ALAMO TRUST INC.

ALAMO SITE: AREA 5 - LOWER PASEO

50% CONSTRUCTION DOCUMENT

JUNE 13, 2024

321 Alamo Plaza
124 Losoya Street
San Antonio, TX 78205

PROJECT NUMBER: 122.0076.500

TABS NUMBER: TABS#

Gensler
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San Antonio, TX 78205
United States

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San Antonio, TX 78205
Tel 210.225.1391

Owner's Rep
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Landscape Architect
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711 Louisiana Street,
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Houston, TX 77002
Tel 713.529.9919

MEP, Lighting, Security, and Acoustics Consultant
ARUP
10370 Richmond Ave., Ste 475
Houston, TX 77042
Tel 713.782.2787

Structural Engineer
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311 Sixth Street
San Antonio, TX 78215
Tel 210.858.2880
Fax F-2819

Civil Engineer
Pape-Dawson Engineers
2000 NW Loop 410
San Antonio, TX 78213
Tel 210.375.9000

AV/IT/Security
DataCom Design Group, LLC.
7600 Burnet Rd #350,
Austin, TX 78757
Tel 512.478.6001

JUNE 13, 2024

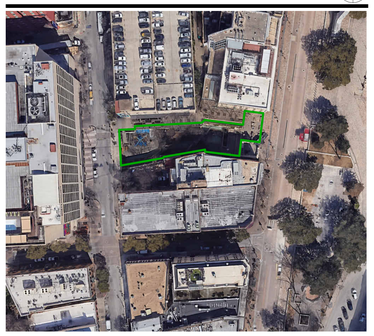
CONSTRUCTION DOCUMENT

50%

122.0076.500

VICINITY MAP

LOCATION MAP



GENERAL NOTES

1 COMPLY WITH ALL APPLICABLE CODES, LAWS, ORDINANCES, ORDERS, RULES, AND REGULATIONS OF AUTHORITIES HAVING JURISDICTION.
2 OBTAIN AND PAY FOR PERMITS AND INSPECTIONS REQUIRED BY PUBLIC AUTHORITIES GOVERNING THE WORK EXCEPT AS PROVIDED OTHERWISE IN THE SPECIFICATIONS OR OWNER CONTRACTOR AGREEMENT.
3 REVIEW DOCUMENTS, VERIFY DIMENSIONS AND FIELD CONDITIONS AND CONFIRM THAT WORK IS BUILDABLE AS SHOWN. REPORT ANY CONFLICTS OR OMISSIONS TO THE ARCHITECT FOR CLARIFICATION PRIOR TO PERFORMING ANY WORK IN QUESTION.
4 COORDINATE WORK WITH THE OWNER, INCLUDING SCHEDULING TIME AND LOCATIONS FOR DELIVERIES, BUILDING ACCESS, USE OF BUILDING SERVICES AND FACILITIES, AND USE OF ELEVATORS. MINIMIZE DISTURBANCE OF BUILDING FUNCTIONS AND OCCUPANTS.
5 OWNER WILL PROVIDE WORK NOTED "BY OTHERS" OR "NIC" UNDER SEPARATE CONTRACT. INCLUDE SCHEDULE REQUIREMENTS IN CONSTRUCTION PROGRESS SCHEDULE AND COORDINATE TO ASSURE ORDERLY SEQUENCE OF INSTALLATION.
6 MAINTAIN WORK AREAS SECURE AND LOCKABLE DURING CONSTRUCTION. COORDINATE WITH OWNER AND/OR PROPERTY MANAGER TO ENSURE SECURITY.
7 MAINTAIN EXITS, EXIT LIGHTING, FIRE PROTECTIVE DEVICES, AND ALARMS IN CONFORMANCE WITH APPLICABLE CODES AND ORDINANCES.
8 DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN. IN CASE OF CONFLICT, CONSULT THE ARCHITECT.

PROJECT INFORMATION

PROJECT DESCRIPTION:	AN EXTERIOR ELEVATOR, RENOVATING THE BIERGARTEN SPACE INTO A TICKETING CENTER AND RESTROOMS, IMPROVING THE LOSOYA ACCESS STAIR, ADDRESSING THE HYATT PUMP ROOM, THE HYATT LOBBY ACCESS, AND THE RIPLEY'S BUILDING ENTRANCE. THE EXISTING RETAINING WALLS WILL BE EXAMINED FOR REPAIRS AND ENHANCED WITH VERTICAL TRELLIS AND ARTISTIC PANELS FOR PLANTINGS AND HISTORICAL INTERPRETATIONS.
BUILDING ADDRESS:	124 LOSOYA ST, SAN ANTONIO, TX 78205
BLOCK AND LOT NO.:	104179
ZONING BUILDING CODE:	2021 INTERNATIONAL BUILDING CODE W/ COSA AMENDMENTS
OCCUPANCY TYPE:	A-3, B, U
CONSTRUCTION TYPE:	TYPE III
PROJECT AREA:	20,918 SF
FIRE PROTECTION:	N/A
APPLICABLE MUNICIPAL BUILDING CODE:	
BUILDING CODE:	2021 INTERNATIONAL BUILDING CODE - LOCAL AMENDMENTS
PLUMBING CODE:	2021 UNIFORM PLUMBING CODE (UPC) - LOCAL AMENDMENTS
MECHANICAL CODE:	2021 UNIFORM MECHANICAL CODE (UMC) - LOCAL AMENDMENTS
ELECTRICAL CODE:	2020 NATIONAL ELECTRICAL CODE - LOCAL AMENDMENTS
FIRE/LIFE SAFETY CODE:	2021 INTERNATIONAL FIRE CODE - LOCAL AMENDMENTS
ACCESSIBILITY CODE:	2012 STATE OF TEXAS ACCESSIBILITY STANDARDS
ENERGY CODE:	2021 INTERNATIONAL ENERGY CONSERVATION CODE - LOCAL AMENDMENTS

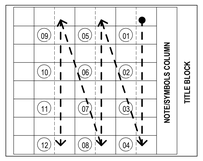
CODE COMPLIANCE NOTE

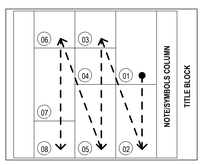
CURRENT CONSTRUCTION DOES NOT CHANGE THE OCCUPANCY TYPE.

ADD/ALTERNATES

1. ADD ALTERNATE FOR CHAIN INSTALLATION AND COLUMN METAL WRAP. REF SHEET A1.201

DETAIL NUMBERING LAYOUT





DETAIL NUMBERING LAYOUT / EXAMPLES

DETAILS ARE GENERALLY NUMBERED CONSECUTIVELY ACCORDING TO THEIR LOCATION ON EACH SHEET PER THE EXAMPLES SHOWN.

THE DETAILS ARE NUMBERED ACCORDING TO A MODULAR SYSTEM AND MAY OCCUPY ONE OR MORE MODULES.

IN GENERAL, DETAIL NUMBERING BEGINS AT THE TOP RIGHT OF EACH SHEET AND MAY BE NUMBERED AS SHOWN IN THESE EXAMPLES, OR A COMBINATION THEREOF.

AREA 5 DRAWING INDEX

SHEET NO.	SHEET NAME	CURRENT ISSUE DATE	50% SCHEMATIC DESIGN	100% SCHEMATIC DESIGN	DEMOLITION PACKAGE FOR ARCHAEOLOGICAL PERMIT - WESTERN SCOPE	100% DESIGN DEVELOPMENT	AREA 5 DEMOLITION MOBILIZATION	50% CONSTRUCTION DOCUMENT
G0.000	COVER	06/13/2024	•	•	•	•	•	•
GENERAL								
G0.001	DRAWING INDEX	06/13/2024	•	•	•	•	•	•
G0.010	GRAPHIC SYMBOLS AND ABBREVIATIONS	06/13/2024	•	•	•	•	•	•
G1.000	CODE SUMMARY	06/13/2024						•
G1.200	LIFE SAFETY PLAN - EGRESS - SITE AND RIVER LEVEL	06/13/2024						•
G2.000	TEMPORARY EMERGENCY EGRESS - DEMOLITION	06/13/2024	•	•	•	•	•	•
G3.001	UL DESIGN ASSEMBLIES	06/13/2024	•	•	•	•		•
G4.001	TYPICAL DETAILS AND MOUNTING DIAGRAMS	06/13/2024	•	•	•	•		•
G4.002	TYPICAL DETAILS AND MOUNTING DIAGRAMS	06/13/2024	•	•	•	•		•
G5.001	PARTITION TYPES	06/13/2024	•	•	•	•		•
G6.001	DOOR, FRAME, AND HARDWARE SCHEDULES	06/13/2024	•	•	•	•		•
G7.001	FINISH SCHEDULE	06/13/2024	•	•	•	•		•
12								
CIVIL								
C0.01	GENERAL CONSTRUCTION NOTES	06/13/2024	•	•		•		•
C0.10	EXISTING CONDITION PLAN	06/13/2024	•	•		•		•
C0.20	STORM WATER POLLUTION PREVENTION PLAN	06/13/2024	•	•		•		•
C0.30	STORM WATER POLLUTION PREVENTION DETAILS	06/13/2024	•	•		•		•
C0.40	DEMOLITION PLAN	06/13/2024			•	•	•	•
C1.00	DIMENSIONAL CONTROL PLAN	06/13/2024	•	•		•		•
C1.10	CIVIL DETAILS	06/13/2024	•	•		•		•
C1.20	FIRE PROTECTION PLAN	06/13/2024	•	•		•		•
C2.00	SUBSLAB PLAN	06/13/2024	•	•		•		•
C3.00	OVERALL GRADING PLAN	06/13/2024	•	•		•		•
C3.10	DETAILED GRADING PLAN	06/13/2024				•		•
C3.20	DETAILED GRAPHIC PLAN	06/13/2024				•		•
C4.00	DRAINAGE PLAN	06/13/2024	•	•		•		•
C4.10	DRAINAGE DETAILS	06/13/2024	•	•		•		•
C5.00	EXISTING UTILITY PLAN	06/13/2024		•		•		•
C5.10	DRY UTILITY GENERAL NOTES	11/02/2023		•				
C6.00	UTILITY DEMOLITION PLAN	06/13/2024		•		•	•	•
C6.10	UTILITY DETAILS	11/02/2023		•				
C7.00	PROPOSED WET UTILITY PLAN	06/13/2024		•		•		•
C7.10	PROPOSED WET UTILITY DETAILS	06/13/2024				•		•
C8.00	PROPOSED DRY UNIT PLAN	06/13/2024				•		•
C8.10	PROPOSED DRY UTILITY DETAILS	06/13/2024						•
CU-0.00	OVERALL UTILITY VALIDATION PLAN	11/02/2023	•	•				
CU-01.00	UNDERGROUND TELECOM VALIDATION PLAN	11/02/2023	•	•				
CU-2.00	UNDERGROUND ELECTRICAL VALIDATION PLAN	11/02/2023	•	•				
CU-3.00	UNDERGROUND NATURAL GAS VALIDATION PLAN	11/02/2023	•	•				
CU-4.00	SANITARY SEWER VALIDATION PLAN	11/02/2023	•	•				
CU-5.00	DOMESTIC WATER VALIDATION PLAN	11/02/2023	•	•				
CU-6.00	STORM SEWER AND CIRCULATION LINES VALIDATION PLAN	11/02/2023	•	•				
29								
LANDSCAPE								
L0.00	ILLUSTRATIVE ORIENTATION PLAN	06/13/2024	•	•		•		•
L0.00B	TREE PROTECTION PLANS	06/13/2024				•		•
L0.01	ORIENTATION PLAN	06/13/2024	•	•		•		•
L0.10	TREE PROTECTION LEGEND AND NOTES	06/13/2024				•		•
L0.20	TREE PROTECTION PLANS	11/02/2023				•		
L1.00	CONSTRUCTION SCHEDULE	06/13/2024		•		•		•
L1.00A	CONSTRUCTION SCHEDULE	11/02/2023	•	•				
L1.00B	CONSTRUCTION NOTES	06/13/2024						•
L1.01	CONSTRUCTION PLANS - LOWER PASEO	06/13/2024	•	•		•		•
L1.01C	BOULDER PLAN - LOWER LEVEL	06/13/2024						•
L1.02	CONSTRUCTION PLANS - UPPER LEVEL	06/13/2024				•		•
L1.11	LAYOUT PLANS	11/02/2023				•		
L2.01	SITE SECTIONS	06/13/2024		•		•		•
L3.00	CONSTRUCTION DETAILS	06/13/2024	•	•		•		•
L3.01	CONSTRUCTION DETAILS	06/13/2024		•		•		•
L3.01A	CONSTRUCTION DETAILS	11/02/2023	•	•				
L3.01B	CONSTRUCTION DETAILS	11/02/2023	•	•				
L3.01C	CONSTRUCTION DETAILS	11/02/2023	•	•				
L3.02	CONSTRUCTION DETAILS	06/13/2024		•		•		•
L3.03	CONSTRUCTION DETAILS - STAIRS AND RAILINGS	11/02/2023		•		•		
L3.04	CONSTRUCTION DETAILS - GATES	11/02/2023				•		
L3.05	CONSTRUCTION DETAILS, GRAND STAIR SECTIONS	06/13/2024				•		•
L3.06	CONSTRUCTION DETAILS, GRAND STAIR SECTIONS	06/13/2024				•		•
L3.07	CONSTRUCTION DETAILS, STAIRS AT WF SECTIONS	06/13/2024				•		•
L3.08	CONSTRUCTION DETAILS, STAIRS AT WF SECTIONS	06/13/2024						•
L3.09	CONSTRUCTION DETAILS, STAIRS	06/13/2024						•
L3.10	CONSTRUCTION DETAILS, STAIRS, HANDRAILS + WALLS	06/13/2024				•		•
L3.15	CONSTRUCTION DETAILS, BENCHES	06/13/2024						•
L3.20	CONSTRUCTION DETAILS - WATER FEATURE	06/13/2024				•		•
L3.21	CONSTRUCTION DETAILS - WATER FEATURE	06/13/2024				•		•
L3.22	CONSTRUCTION DETAILS - WATER FEATURE	06/13/2024				•		•
L3.23	CONSTRUCTION DETAILS - WATER FEATURE	06/13/2024						•
L3.24	CONSTRUCTION DETAILS - WATER FEATURE	06/13/2024						•
L3.25	CONSTRUCTION DETAILS - SPRING WALL	06/13/2024						•
L3.26	CONSTRUCTION DETAILS - SPRING WALL	06/13/2024						•
L4.01	SOILS PLAN - LOWER LEVEL	06/13/2024				•		•
L4.02	SOILS PLAN - UPPER LEVEL	06/13/2024						•
L4.50	SOILS DETAILS	06/13/2024				•		•
L5.00	IRRIGATION LEGEND & NOTES	06/13/2024		•				•
L5.01	IRRIGATION PLANS	06/13/2024		•				•
L5.02	IRRIGATION DETAILS	06/13/2024						•
L5.03	IRRIGATION DETAILS	06/13/2024						•
L6.00	PLANTING SCHEDULE	06/13/2024	•	•		•		•
L6.01	PLANTING PLANS	11/02/2023	•	•		•		
L6.01A	PLANTING PLANS, TREES - LOWER LEVEL	06/13/2024						•
L6.01B	PLANTING PLANS, UNDERSTORY - LOWER LEVEL	06/13/2024						•
L6.02A	PLANTING PLANS, TREES - UPPER LEVEL	06/13/2024						•
L6.02B	PLANTING PLANS, UNDERSTORY - UPPER LEVEL	06/13/2024						•
L7.00	PLANTING DETAILS	06/13/2024	•	•		•		•
L8.00	SITE FURNISHINGS SCHEDULE AND NOTES	06/13/2024				•		•
L8.01	SITE FURNISHINGS PLAN	06/13/2024				•		•
LD0.11	TREE PROTECTION PLAN	01/05/2024					•	
LD1.00	DEMOLITION SCHEDULE	01/05/2024					•	
LD1.01	DEMOLITION PLAN	01/05/2024					•	
LD1.02	SITE REFERENCE PHOTOS - SALVAGE	01/05/2024					•	
LD1.03	SITE REFERENCE PHOTOS	01/05/2024					•	
WF0.0	SITE LOCATION & SHEET INDEX	06/13/2024		•		•		•
WF0.1	WATER FEATURES SITE PLAN	06/13/2024				•		•
WF0.2	WATER FEATURES UTILITY CONNECTIONS	06/13/2024				•		•
WF1.0	WATER FEATURES LAYOUT PLAN & DETAILS	06/13/2024		•		•		•
WF1.1	WATER FEATURES DETAILS	06/13/2024				•		•
WF2.0	WATER FEATURE PIPE ROUTING	06/13/2024		•		•		•
WF3.0	WATER FEATURE EQUIPMENT SPACE PLAN	06/13/2024		•		•		•
WF3.1	WATER FEATURE EQUIPMENT SPACE PIPING ELEVATIONS	11/02/2023				•		
WF5.0	PIPING & INSTRUMENT DIAM (P&ID)	06/13/2024		•		•		•
WF5.1	WATER FEATURES ELECTRICAL ONE-LINE (EOL)	06/13/2024		•		•		•
WF5.2	WATER FEATURES BILL OF MATERIAL (BOM)	06/13/2024				•		•
WF6.0	STANDARD DETAILS	06/13/2024				•		•

AREA 5 DRAWING INDEX

SHEET NO.	SHEET NAME	CURRENT ISSUE DATE	50% SCHEMATIC DESIGN	100% SCHEMATIC DESIGN	DEMOLITION PACKAGE FOR ARCHAEOLOGICAL PERMIT - WESTERN SCOPE	100% DESIGN DEVELOPMENT	AREA 5 DEMOLITION MOBILIZATION	50% CONSTRUCTION DOCUMENT
68								
DEMOLITION								
5A - D1.100	OVERALL DEMOLITION PLAN	01/05/2024		•	•	•	•	
5A - D1.101	ENLARGED DEMOLITION PLAN - LOWER PASEO	01/05/2024		•	•	•	•	
5A - D1.102	ENLARGED DEMOLITION PLAN - MID TERRACE	01/05/2024		•	•	•	•	
5A - D1.103	ENLARGED DEMOLITION PLAN - LOSOYA ST LEVEL	01/05/2024		•	•	•	•	
5A - D1.104	REFLECTED CEILING PLAN	01/05/2024		•	•	•	•	
5B - D1.100	OVERALL DEMOLITION PLAN	06/13/2024		•	•	•		•
5B - D1.101	ENLARGED DEMOLITION PLAN	06/13/2024		•	•	•		•
5B - D2.000	BUILDING ELEVATION - LOWER PASEO	06/13/2024		•	•	•		•
5D - D1.100	OVERALL DEMOLITION PLAN	11/02/2023		•	•	•		
9								
ARCHITECTURE								
A0.100	ARCHITECTURAL SITE PLAN	06/13/2024	•	•		•		•
A1.101	CONSTRUCTION PLAN - LOWER PASEO	06/13/2024		•		•		•
A1.102	CONSTRUCTION PLAN - UNDER BRIDGE / MID TERRACE	06/13/2024		•		•		•
A1.200	REFLECTED CEILING PLAN - LOWER PASEO / UNDER BRIDGE	06/13/2024		•		•		•
A1.201	ADD-ALT 01 - CHAIN INSTALLATION & COLUMN WRAP	06/13/2024		•		•		•
A1.300	FINISH PLAN	06/13/2024		•		•		•
A2.000	BUILDING ELEVATIONS - LOWER PASEO	06/13/2024		•		•		•
A3.000	OVERALL BUILDING SECTIONS - LOWER PASEO	06/13/2024		•		•		•
A3.001	OVERALL BUILDING SECTIONS - LOWER PASEO	06/13/2024		•		•		•
A4.000	WALL SECTIONS & SECTION DETAILS	06/13/2024		•		•		•
A4.001	SECTION DETAILS	06/13/2024		•		•		•
A5.001	ENLARGED PLANS AND INTERIOR ELEVATIONS	06/13/2024		•		•		•
A5.002	EXTERIOR STAIR - PLAN AND ELEVATIONS	06/13/2024		•		•		•
A5.003	EXTERIOR ELEVATOR - PLAN AND ELEVATIONS	06/13/2024		•		•		•
A5.004	EXTERIOR ELEVATOR - SECTIONS AND CAB FINISH	06/13/2024						•
A6.000	EXTERIOR PLAN DETAILS	06/13/2024		•		•		•
A7.001	INTERIOR AND MILLWORK DETAILS	06/13/2024				•		•
A7.002	CEILING AND FINISH DETAILS	06/13/2024				•		•
18								
STRUCTURE								
S1.01	TYPICAL ABBREVIATIONS, SYMBOLS AND PLAN NOTES	06/13/2024		•		•	•	•
S1.02	GENERAL NOTES	06/13/2024		•		•		•
S2.01	DEMO SITE PLAN	06/13/2024		•		•	•	•
S2.02	SITE PLAN	06/13/2024				•		•
S3.00	TYPICAL DETAILS	06/13/2024		•		•		•
S3.01	EXPANSIVE CLAY SOIL DETAILS	06/13/2024				•		•
S3.02	UNCASED STRAIGHT SHAFT PIERS	06/13/2024				•		•
S3.03	TYPICAL FOUNDATION AND GRADE BEAM DETAILS	06/13/2024				•		•
S3.04	CONCRETE SLAB AND BEAMS	06/13/2024				•		•
S3.05	CONCRETE WALLS	06/13/2024				•		•
S3.06	MASONRY LINTEL SCHEDULE AND DETAILS	06/13/2024				•		•
S3.10	DEMOLITION DETAILS	06/13/2024		•		•	•	•
S3.20	CONCRETE SECTIONS - RESTROOM AREA	06/13/2024				•		•
S3.21	CONCRETE SECTIONS - RESTROOM AREA	06/13/2024				•		•
S3.30	ELEVATOR SECTIONS	06/13/2024				•		•
S3.40	LANDSCAPE STRUCTURES	06/13/2024				•		•
S3.41	LANDSCAPE STRUCTURES	06/13/2024				•		•
S3.42	LANDSCAPE STRUCTURES	06/13/2024						•
18								
MECHANICAL								
M0.00	MECHANICAL AREA 5 SYMBOLS ABBREVIATIONS & SHEETS LIST	06/13/2024				•		•
M0.11	MECHANICAL AREA 5 SCHEDULES	06/13/2024				•		•
M1.00	MECHANICAL AREA 5 ORIENTATION PLAN	06/13/2024				•		•
M1.01	MECHANICAL AREA 5 DEMOLITION PLAN LOWER PASEO	06/13/2024				•		•
M1.11	MECHANICAL AREA 5 FLOOR PLAN LOWER PASEO	06/13/2024				•		•
M5.01	MECHANICAL AREA 5 DIAGRAMS, PART PLANS	06/13/2024				•		•
M6.01	MECHANICAL AREA 5 DETAILS	06/13/2024				•		•
M6.02	MECHANICAL AREA 5 DETAILS	06/13/2024				•		•
M6.03	MECHANICAL AREA 5 DETAILS	06/13/2024				•		•
9								
PLUMBING								
P0.00	PLUMBING AREA 5 SYMBOLS ABBREVIATIONS & SHEET LIST	06/13/2024				•		•
P0.01	PLUMBING AREA 5 GENERAL NOTES	06/13/2024				•		•
P0.11	PLUMBING AREA 5 SCHEDULES	06/13/2024				•		•
P1.00	PLUMBING AREA 5 ORIENTATION PLAN	06/13/2024				•		•
P1.01	PLUMBING AREA 5 DEMOLITION PLAN LOWER PASEO	06/13/2024				•		•
P1.11	PLUMBING AREA 5 FLOOR PLAN LOWER PASEO	06/13/2024				•		•
P5.01	PLUMBING AREA 5 DIAGRAMS, PART PLANS	06/13/2024				•		•
P6.01	PLUMBING AREA 5 DETAILS	06/13/2024				•		•
8								
ELECTRICAL								
E0.00	ELECTRICAL AREA 5 SYMBOLS, ABBREVIATIONS & SHEET LIST	06/13/2024		•		•		•
E0.01	ELECTRICAL AREA 5 GENERAL NOTES	06/13/2024		•		•		•
E0.11	ELECTRICAL AREA 5 SCHEDULES	06/13/2024		•		•		•
E1.00	ELECTRICAL AREA 5 ORIENTATION PLAN	06/13/2024		•		•		•
E1.01	ELECTRICAL AREA 5 DEMOLITION PLAN- LOWER PASEO	06/13/2024		•		•		•
E1.11	ELECTRICAL AREA 5 ELECTRICAL PLAN - LOWER PASEO	06/13/2024		•		•		•
E5.01	ELECTRICAL AREA 5 DIAGRAMS, PART PLANS	06/13/2024		•		•		•
E5.02	ELECTRICAL AREA 5 TICKETING CENTER	06/13/2024				•		•
E5.03	ELECTRICAL AREA 5 TICKETING CENTER	06/13/2024				•		•
9								
FIRE PROTECTION								
F0.00	FIRE PROTECTION AREA 5 SYMBOLS, ABBREVIATIONS & SHEET LIST	06/13/2024				•		•
F0.01	FIRE PROTECTION AREA 5 GENERAL NOTES	06/13/2024				•		•
F1.00	FIRE PROTECTION AREA 5 ORIENTATION PLAN	06/13/2024				•		•
F1.11	FIRE PROTECTION AREA 5 FLOOR PLAN LOWER PASEO	06/13/2024				•		•
F5.01	FIRE PROTECTION AREA 5 DIAGRAMS, PART PLANS	06/13/2024				•		•
F6.01	FIRE PROTECTION AREA 5 DETAILS	06/13/2024				•		•
6								
DATA								
T0.001	LEGEND AND NOTES - COMMUNICATIONS	11/02/2023		•		•		•
T0.100	AREA 5 LOWER PASEO SITE PLAN MAJOR PATHWAY COMMUNICATIONS	11/02/2023		•		•		•
T0.110	AREA 5 LOWER PASEO SITE PLAN MAJOR PATHWAY COMMUNICATIONS	11/02/2023		•		•		•
T4.001	GENERAL DETAILS COMMUNICATIONS	11/02/2023				•		•
4								

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Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
DRAWING INDEX

Scale
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ABBREVIATIONS

	CENTERLINE
#	NUMBER
&	AND

A	
ACCESS	ACCESSORY
ACOUS	ACOUSTIC(AL)
ACT	ACOUSTICAL CEILING TILE
AD	ACCESS DOOR OR AREA DRAIN
ADO	AUTOMATIC DOOR OPERATOR
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE
ALUM	ALUMINUM
ANNUNC	ANNUNCIATOR
ANOD	ANODIZED
APPL	APPLIANCE
ARCH	ARCHITECT(URAL)
AUTO	AUTOMATIC
AUX	AUXILIARY
AVG	AVERAGE

B	
B/B	BACK TO BACK
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BOH	BACK OF HOUSE
BOLLD	BOLLARD
BRDLM	BROADLOOM
BU	BUILT UP

C	
CAB	CABINET
CC	CONCRETE CURB
CEM	CEMENT(ITIOUS)
CER	CERAMIC
CG	CORNER GUARD
CIP	CAST-IN-PLACE
CJ	CONSTRUCTION JOINT OR CONTROL JOINT
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
COATG	COATING
COC	CENTER ON CENTER
COILG	COILING
CONC	CONCRETE
CONSTR	CONSTRUCTION
CONT	CONTINUOUS(ATION)
CONTR	CONTRACT(OR)
COV	COVER
CPT	CARPET

D	
DBL	DOUBLE
DEM	DEMOLITION/DEMOLISH
DEPT	DEPARTMENT
DES	DESIGN(ED)
DET	DETAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIFF	DIFFUSER
DIM	DIMENSION
DISP	DISPENSER
DIST	DISTANCE
DIV	DIVISION
DN	DOWN
DR	DOOR
DSCON	DISCONNECT
DWG	DRAWING
DWR	DRAWER

E	
EA	EACH
EJ	EXPANSION JOINT
EJC	EXPANSION JOINT COVER
ELAST	ELASTOMERIC
ELEC	ELECTRICAL
EMBED	EMBEDD(ED)(ING)
ENGR	ENGINEER(ED)
ENTR	ENTRANCE
EQ	EQUAL
EQUIP	EQUIPMENT
ET	EPOXY TERRAZZO
EXIST	EXISTING
EXPS	EXPOSED(D)
EXT	EXTERIOR

F	
FA	FIRE ALARM
FAB	FABRICATION
FAR	FLOOR AREA RATIO
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER AND CABINET
FHC	FIRE HOSE AND CABINET
FIN	FINISH
FIXT	FIXTURE
FLASH	FLASHING
FLDG	FOLDING
FLO	FLUORESCENT
FLR	FLOOR(ING)
FO	FINISH OPENING
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOS	FACE OF STUD
FOW	FACE OF WALL
FPLC	FIREPLACE
FR	FIRE RAT(ING)(ED)
FRMG	FRAMING
FURN	FURNITURE
FWC	FABRIC WALL COVERING
FXD	FIXED

G	
GA	GAUGE
GALV	GALVANIZED
GFRC	GLASS FIBER REINFORCED CONCRETE
GFRG	GLASS FIBER REINFORCED GYPSUM
GFRP	GLAS FIBER REINFORCED PLASTER
GL	GLASS
GR	GRADE(ING)
GRD	GROUND
GRFL	GROUND FLOOR
GYP	GYPSUM

H	
HB	HOSE BIB
HC	HOLLOW CORE
HD	HEAD
HDG	HOT DIPPED GALVANIZED
HDO	HIGH DENSITY OVERLAY
HDWD	HARDWOOD
HDWE	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HP	HIGH POINT
HR	HOUR
HSS	HOLLOW STRUCTURAL SECTION
HT	HEIGHT
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING

I	
IBC	INTERNATIONAL BUILDING CODE
ID	INSIDE DIAMETER OR INTERIOR DESIGN (ER)
IE	INVERT ELEVATION
INFILTR	INFILTRATION
INFO	INFORMATION
INSTRUM	INSTRUMENT(ATION)
INSUL	INSULATION
INT	INTERIOR
INTLK	INTERLOCK(ING)

J	
JAN	JANITOR
JT	JOINT

K	
KIT	KITCHEN
KO	KNOCK OUT

L	
LAB	LABORATORY
LAM	LAMINATE
LAM GL	LAMINATED GLASS
LAV	LAVATORY
LB	POUND
LP	LOW POINT
LT	LIGHT
LV	LOW VOLTAGE
LVLG	LEVELING
LVR	LOUVER (ED)

M	
MAINT.	MAINTENANCE
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MEMB	MEMBRANE
MET	METAL
MEZZ	MEZZANINE
MFD	MANUFACTURED
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MLWK	MILLWORK
MO	MASONRY OPENING
MOIST	MOISTURE
MOT	MOTOR(IZED)
MTD	MOUNTED
MULL	MULLION

N	
NA	NOT APPLICABLE
NIC	NOT IN CONTRCT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE

O	
OA	OUTSIDE AIR OR OVERALL
OD	OUTSIDE DIAMETER
OH	OVERHANG
OHD	OVERHEAD
OPH	OPPOSITE HAND
OPNG	OPENING(S)
OPP	OPPOSITE
OPR	OPERABLE
ORD	OVERFLOW ROOF DRAIN
ORNA	ORNAMENTAL
OVFL	OVERFLOW

P	
PA	PUBLIC ADDRESS
PBD	PARITICLE BOARD
PEDTR	PEDESTRIAN
PL	PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLSTC	PLASTIC
PLYWD	PLYWOOD
PNL	PANEL
POLYST	POLYSTRENE
PORT	PORTABLE
PREFAB	PREFABRICATED
PREFIN	PREFINISHED
PRTECN	PROTECTION
PTN	PARTITION

R	
RD	ROOF DRAIN
RDL	ROOF DRAIN LEADER
RDR	READER
RECES	RECESSED
RECPT	RECEPTACLE
REF	REFER(ENCE)
REFL	REFLECTED
REFR	REFRIGERATOR
REINF	REINFORCED(D)(ING)(MENT)
REQD	REQUIRED
RESIL	RESILIENT
RESIS	RESIST(ANT)(IVE)
RFG	ROOFING
RM	ROOM
RND	ROUND
RO	ROUGH OPENING

S	
SC	SOLID CORE
SCR	SCRIBE
SECUR	SECURITY
SF	SQUARE FEET
SG	SINGLE
SHORG	SHORING
SIM	SIMILAR
SPKR	SPEAKER
SPR	SPRINKLER
SS	STAINLESS STEEL
SST	STAINLESS STEEL
ST	STREET
STD	STANDARD
STL	STEEL
STRFR	STOREFRONT
STRUCT	STRUCTURAL
SURF	SURFACE
SUSP	SUSPENDED
SYM	SYMBOL
SYMM	SYMMETRICAL
SYS	SYSTEM(S)

T	
T&G	TONGUE AND GROOVE
TC	TERRA COTA
TEM	TEMPORARY
TERR	TERRAZZO
THK	THICK (NESS)
TLT	TOILET
TOC	TOP OF CONCRETE
TOFF	TOP OF FINISH FLOOR
TOS	TOP OF STEEL
TOW	TOP OF WALL
TRAF	TRAFFIC
TRANS	TRANSPARENT
TRTD	TREATED
TSTAT	THERMOSTAT
TV	TELEVISION
TYP	TYPICAL

U	
U/C	UNDERCUT
U/S	UNDERSIDE
UNDRLAY	UNDERLAYMENT
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
UTIL	UTILITY

V	
VAR	VARIES
VCT	VINYL COMPOSITION TILE
VEH	VEHICLE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VNR	VENEER
VT	VINYL TILE

W	
W/	WITH
W/O	WITHOUT
WW	WALL TO WALL
WC	WATER CLOSET
WD	WOOD
WDW	WINDOW
WF	WIDE FLANGE
WPM	WATERPROOF MEMBRANE
WT	WEIGHT
WTRPRF	WATERPROOFING

GRAPHIC SYMBOLS

REFLECTED CEILING

- 24"X24" ACOUSTIC CEILING TILE CL0X
- PAINTED GYPSUM CEILING CL0X
- WOOD SLAT CEILING CL0X
- XX'-XX" / XX'-XX" — CEILING HEIGHT CHANGE
- XXXX / X'-X" — FINISH CEILING TYPE AND HEIGHT SYMBOL
- CEILING MOUNTED CAMERA
- CEILING MOUNTED SPRINKLER HEAD
- CEILING MOUNTED SMOKE DETECTOR
- CEILING MOUNTED STROBE LIGHT
- EXIT SIGN
- E — EXISTING TO REMAIN
- R — EXISTING TO BE RELOCATED
- OR — ACCESS DOOR

LIGHT FIXTURES

- LIGHT FIXTURE
- LIGHT FIXTURE / EMERGENCY CIRCUIT
- EXISTING LIGHT FIXTURE TO BE REMOVED
- CONCEALED LIGHT FIXTURE
- LINEAR LIGHT FIXTURE
- LINEAR PENDANT LIGHT FIXTURE
- OR — RECESSED DOWNLIGHT
- OR — RECESSED ADJUSTABLE DOWNLIGHT
- OR — RECESSED WALL WASHER
- TRACK LIGHTING
- SURFACE MOUNTED / PENDANT LIGHT FIXTURE
- WALL SCONCE
- $ — LIGHT SWITCH
- D / $ — DIMMER SWITCH

MECHANICAL FIXTURES

- RETURN AIR
- SUPPLY AIR
- CIRCULAR DIFFUSER
- LINEAR DIFFUSER
- EXHAUST FAN

FINISH

- XXXX / XXXX — WALL FINISH TAG / BASE FINISH TAG
- EXTENT OF FINISH TYP
- XXXX — WALL FINISH TAG
- XXXX — SPECIAL FINISH TAG
- XXXX — FLOOR FINISH TAG
- XXXX — CEILING FINISH TAG
- CHANGE IN FLOOR FINISH

LEGEND OF COMMON SYMBOLS

- WALL MTD SINGLE RECPT
- WALL MTD DUPLEX RECPT
- WALL MTD QUADRAPLEX RECPT
- WALL MTD VOICE/DATA RECPT
- WALL MTD DATA RECPT
- WALL MTD VOICE RECPT
- AV — WALL MTD AV RECPT
- P — WALL MTD SYS WORKSTATION PANEL POWER INFEED
- V — WALL MTD SYS WORKSTATION PANEL VOICE INFEED
- SURF FLR MTD DUPLEX RECPT
- SURF FLR MTD QUADRAPLEX RECPT
- SURF FLR MTD VOICE/DATA RECPT
- SURF FLR MTD DATA RECPT
- SURF FLR MTD VOICE RECPT
- AV — SURF FLR MTD AV RECPT
- P — SURF FLR MTD SYS WORKSTATION PANEL POWER INFEED
- V — SURF FLR MTD SYS WORKSTATION PANEL VOICE INFEED
- SURF FLR MTD DUPLEX & VOICE/DATA
- SURF FLR MTD QUADRAPLEX & VOICE/DATA
- AV — SURF FLR MTD DUPLEX, AUDIO VISUAL AND VOICE/DATA
- AV — SURF FLR MTD QUADRAPLEX, AV & VOICE/DATA
- FLUSH FLR MTD DUPLEX RECPT
- FLUSH FLR MTD QUADRAPLEX RECPT
- FLUSH FLR MTD VOICE/DATA RECPT
- FLUSH FLR MTD DATA RECPT
- FLUSH FLR MTD VOICE RECPT
- AV — FLUSH FLR MTD AV RECPT
- P — FLUSH FLR MTD SYS WORKSTATION PANEL POWER INFEED
- V — FLUSH FLR MTD SYS WORKSTATION PANEL VOICE INFEED
- FLUSH FLR MTD DUPLEX & VOICE/DATA
- FLUSH FLR MTD QUADRAPLEX & VOICE/DATA
- AV — FLUSH FLR MTD DUPLEX, AUDIO VISUAL AND VOICE/DATA
- AV — FLUSH FLR MTD QUADRAPLEX, AV & VOICE/DATA
- PP — FURN MTD, POWER POLE
- P/D — COMBINATION POWER, VOICE/DATA
- P/A — RAISED FLR BOX, COMBINATION POWER, VOICE/DATA, A/V
- A/V — RAISED FLR BOX, AV
- CONDUIT STUB UP, AV
- CONDUIT STUB UP, POWER
- CONDUIT STUB UP, VOICE/DATA

WALL MTD DEVICES

- XX — EQUIP TAG (REFER TO EQUIP SCHEDULE)
- ST — WALL MTD FIRE ALARM STROBE
- FA — FIRE ALARM PULL
- FW — FIRE WARDEN STATION
- T — THERMOSTAT
- CTV — CABLE TV RECPT
- AV — AV RECPT
- AVT — AV TROUGH
- J — ELECTRICAL JUNCTION BOX
- VJ — VOICE/DATA JUNCTION BOX
- P — SYS WORKSTATION PANEL POWER INFEED
- V — SYS WORKSTATION PANEL VOICE/DATA INFEED
- CONDUIT STUB-OUT POWER
- CONDUIT STUB-OUT VOICE AND DATA
- CONDUIT STUB-OUT A/V
- PLUG MOLD

WALL MOUNTED SECURITY DEVICES

- CAMERA
- CR — CARD READER
- B — ELECTRIC DOOR BELL PUSH
- B — ELECTRIC DOOR BELL
- IC — INTERCOM
- DR — REMOTE DOOR RELEASE BUTTON
- MS — MOTION SENSOR
- IA — INTRUSION ALARM
- H — ELECTRICAL DOOR HOLD OPEN
- DR — ELECTRICAL DOOR RELEASE
- DC — ELECTRICAL DOOR MONITOR CONTACT
- DDC — DOUBLE DOOR MONITOR CONTACT
- EL — ELECTRIC LOCKSET
- KS — ELECTRIC KEY SWITCH
- ES — ELECTRIC STRIKE
- ML — MAGNETIC LOCKSET
- PB — PANIC BUTTON

MATERIALS IN SECTION

- ACOUSTICAL CEILING TILE
- ALUMINUM
- BRICK
- CARPET
- CONCRETE
- CONCRETE MASONRY UNIT
- CUT STONE
- EARTH
- FABRIC WRAPPED PANEL
- GLASS
- GRAVEL
- GYPSUM PLASTER
- INSULTATION (LOOSE OR BATT)
- INSULATION (RIGID)
- METAL
- PLASTIC
- PLYWOOD
- PRE-CAST PANELS
- SAND OR GROUT
- STONE
- WOOD (FINISHED)
- WOOD (CONTINUOUS MEMBER)
- WOOD (INTERRUPTED MEMBER

MATERIALS IN ELEVATION

- GLASS
- MASONRY COURSING
- WOOD VENEER
- STONE

KEYNOTE DESCRIPTION

00 00 00 XX00 DESCRIPTION

- PROJECT MANUAL SPECIFICATION REFERENCE
- FOR INTERNAL ARCHITECTURAL REFERENCE ONLY NOT FOR CONTRACTOR USE
- PRODUCT, MATERIAL, SYSTEM DESCRIPTION

CONSTRUCTION

- 1 — COLUMN GRID REFERENCE NUMBER
- COLUMN GRID LINES AND REFERENCE NUMBER
- EXISTING CONSTRUCTION TO REMAIN
- EXISTING CONSTRUCTION TO BE DEMOLISHED
- NEW PARTITION
- 1 HR. RATED PARTITION
- 2 HR. RATED PARTITION
- 3 HR. RATED PARTITION
- 4 HR. RATED PARTITION
- EXIT ACCESS TRAVEL DISTANCE/ COMMON PATH OF TRAVEL
- MILLWORK / MILLWORK ABOVE
- XX — DETAIL NUMBER
- XX.XXX — SHEET NUMBER / DESCRIPTION OF SIMILAR OR OPPOSITE
- SIM
- AREA TO BE DETAILED
- 1 / 2 A11.XX — LOCATION ON SHEET WHERE ELEVATION IS SHOWN / DIRECTION OF ELEVATION / SHEET NUMBER WHERE ELEVATION IS SHOWN / INTERIOR AND EXTERIOR ELEVATION MARKER
- 1 — REVISION REFERENCE NUMBER / REVISION CLOUD DEPICTING AREA REVISED
- NAME / 1234 — ROOM NAME / ROOM NUMBER
- SOUND ATTENUATION (ALL ENCLOSING PARTITIONS)
- 01 — SHEET NOTE REFERENCE
- 1 / A3A — PARTITION TYPE REFERENCE / SOUND ATTENUATION (PARTITION ONLY) / FIRE RATING - HOURS
- XXX — DOOR REFERENCE NUMBER (REFER TO DOOR SCHEDULE)
- XX / XX — DOOR NUMBER / DOOR TYPE
- XXX / X | X — DOOR NUMBER / DOOR TYPE | HARDWARE TYPE
- XX — WINDOW REFERENCE NUMBER (REFER TO WINDOW SCHEDULE)
- MW01 — MILLWORK REFERENCE NUMBER (REFER TO MILLWORK SCHEDULE)
- ELEVATION DATUM REFERENCE
- +6" / 0" — FLOOR ELEVATION TRANSITION
- MATCH LINE SEE XX/XX — MATCH LINE SYMBOL
- ALIGN — ALIGN WITH ESTABLISHED / ADJACENT SURFACES

WALL MOUNTED LIFE SAFETY EQUIPMENT AND DEVICES

- FEC — WALL MOUNTED, FIRE EXTINGUISHER CABINET
- WALL MOUNTED FIRE EXTINGUISHER
- FHC — WALL MOUNTED FIRE HOSE CABINET
- WALL MOUNTED FIRE VALVE
- FVC — WALL MOUNTED FIRE VALVE CABINET

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06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
GRAPHIC SYMBOLS AND ABBREVIATIONS

Scale

G0.010

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MINIMUM PLUMBING FACILITIES

REQUIRED

OCCUPANTS: 4	(2 MALE, 2 FEMALE)						
OCCUPANCY: STORAGE, S-1, S-2	WATER CLOSET		LAVATORIES		BATHTUBS OR SHOWERS	DRINKING FOUNTAINS	OTHER
	MALE	FEMALE	MALE	FEMALE			
RATIO:	1:100		1:100			1:1,000	
REQUIRED:	0.02	0.02	0.02	0.02	[a]	0.00	NOTE 1

NOTE [a]: EMERGENCY SHOWERS AND EYEWASH STATIONS SHALL CONFORM TO ISEA Z358.1

REQUIRED

OCCUPANTS: 11	(6 MALE, 6 FEMALE)						
OCCUPANCY: BUSINESS - B	WATER CLOSET		LAVATORIES		BATHTUBS OR SHOWERS	DRINKING FOUNTAINS	OTHER
	MALE	FEMALE	MALE	FEMALE			
RATIO:	1:25 FIRST 50 1:50 REMAIN		1:40 FIRST 80 1:80 REMAIN			1:100	
REQUIRED:	0.24	0.24	0.15	0.15	--	0.11	NOTE 1

REQUIRED

OCCUPANTS: 32	(16 MALE, 16 FEMALE)						
OCCUPANCY: ASSEMBLY - A-3 (AUDITORIUMS, ETC.)	WATER CLOSET		LAVATORIES		BATHTUBS OR SHOWERS	DRINKING FOUNTAINS	OTHER
	MALE	FEMALE	MALE	FEMALE			
RATIO:	1:125	1:65	1:200	1:200		1:500	
REQUIRED:	0.13	0.25	0.08	0.08	--	0.06	NOTE 1

PROVIDED

OVERALL BUILDING SUMMARY	WATER CLOSET		LAVATORIES		BATHTUBS OR SHOWERS	DRINKING FOUNTAINS	OTHER
	MALE	FEMALE	MALE	FEMALE			
SUBTOTAL REQUIRED:	0.39	0.51	0.25	0.25	0	0.17	1 SERVICE SINK
TOTAL REQUIRED:	1	1	1	1	0	1	1 SERVICE SINK
WC PROVIDED:	2	4	--	--	--	--	--
LAV PROVIDED:	--	--	4	4	--	--	--
URINALS PROVIDED: (NOTE 2)	2	--	--	--	--	--	--
DF PROVIDED: (NOTE 6)	--	--	--	--	--	2	--
TOTAL PROVIDED:	4	4	4	4	0	2	1 SERVICE SINK

SINGLE-OCCUPANT RESTROOMS INCLUDED IN THE ABOVE TOTALS	(NOTE 3): 0
FAMILY RESTROOMS PROVIDED IN ADDITION TO ABOVE TOTALS	(NOTE 4): 0
FAMILY BATHING ROOMS PROVIDED IN ADDITION TO ABOVE TOTALS	(NOTE 5): 0

NOTE 1:
THE CODE REQUIRES ONLY (1) SERVICE SINK PER BUILDING IF ALL OCCUPANCIES HAVE ACCESS TO THE SERVICE SINK AT ALL TIMES. IN HOSPITALS: (1) SERVICE SINK PER FLOOR ARE REQUIRED.

NOTE 2:
IN 'A' AND 'E' OCCUPANCIES: URINALS SHALL NOT BE SUBSTITUTED FOR MORE THAN 67% OF THE REQ'D WC. IN ALL OTHER OCCUPANCIES: URINALS SHALL NOT BE SUBSTITUTED FOR MORE THAN 50% OF THE REQ'D WC.

NOTE 3:
SINGLE-OCCUPANT RESTROOM = (1) WC AND (1) LAV PROVIDED FIXTURES DISTRIBUTED AMONGST EACH SEX

NOTE 4:
FAMILY OR ASSITED-USE TOILET ROOMS = (1) WC AND (1) LAV PROVIDED

NOTE 5:
FAMILY OR ASSITED-USE BATHING ROOMS = (1) WC AND (1) LAV PROVIDED AND (1) SHOWER OR (1) BATH

NOTE 6:
WATER COOLERS OR BOTTLED WATER DISPENSERS SHALL BE PERMITTED TO BE SUBSTITUTED FOR NOT MORE THAN 50 PERCENT OF THE REQUIRED DRINKING FOUNTAINS.

OCCUPANCY CLASSIFICATION

IBC CHAPTER 3

OCCUPANCY

ASSEMBLY ☐ A-1 ☐ A-2 ■ A-3 ☐ A-4 ☐ A-5
BUSINESS ■
EDUCATIONAL ☐
FACTORY ☐ F-1 MODERATE ☐ F-2 LOW
HAZARDOUS ☐ H-1 DETONATE ☐ H-2 DEFLAGRATE ☐ H-3 COMBUST ☐ H-4 HEALTH ☐ H-5 HPM
INSTITUTIONAL ☐ I-1 ☐ I-2 ☐ I-3 ☐ I-4
I-3 CONDITION ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
MERCANTILE ☐
RESIDENTIAL ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4
STORAGE ☐ S-1 MODERATE ☐ S-2 LOW ☐ HIGH-PILED
☐ PARKING GARAGE ☐ OPEN ☐ ENCLOSED ☐ REPAIR GARAGE
UTILITY AND MISC. ■

ACCESSORY OCCUPANCIES

ASSEMBLY ☐ A-1 ☐ A-2 ☐ A-3 ☐ A-4 ☐ A-5
BUSINESS ☐
EDUCATIONAL ☐
FACTORY ☐ F-1 MODERATE ☐ F-2 LOW
HAZARDOUS ☐ H-1 DETONATE ☐ H-2 DEFLAGRATE ☐ H-3 COMBUST ☐ H-4 HEALTH ☐ H-5 HPM
INSTITUTIONAL ☐ I-1 ☐ I-2 ☐ I-3 ☐ I-4
I-3 CONDITION ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
MERCANTILE ☐
RESIDENTIAL ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4
STORAGE ☐ S-1 MODERATE ☐ S-2 LOW ☐ HIGH-PILED
☐ PARKING GARAGE ☐ OPEN ☐ ENCLOSED ☐ REPAIR GARAGE
UTILITY AND MISC. ☐

INCIDENTAL USES (TABLE 508.2.5)

☐ FURNACE ROOM WHERE AND PIECE OF EQUIPMENT IS OVER 400,00 BTU PER HOUR INPUT
☐ ROOMS WITH BOILERS WHERE THE LARGEST PIECE OF EQUIPMENT IS OVER 15 PSI AND 10 HORSEPOWER
☐ REFRIGERANT MACHINE ROOM *(T508.2.5 SEPARATION: 1 HR OR PROVIDE AUTOMATIC SPRINKLER SYSTEM)*
☐ HYDROGEN CUTOFF ROOMS, NOT CLASSIFIED AS GROUP H
☐ INCINERATOR ROOMS
☐ PAINT SHOPS, NOT CLASSIFIED AS GROUP H, LOCATED IN OCCUPANCIES OTHER THAN GROUP F
☐ LABORATORIES AND VOCATIONAL SHOPS, NOT CLASSIFIED AS GROUP H, LOCATED IN A GROUP E OR I-2 OCC.
☐ LAUNDRY ROOMS OVER 100 SQUARE FEET
☐ GROUP I-3 CELLS EQUIPPED WITH PADDED SURFACES
☐ GROUP I-2 WASTE AND LINEN COLLECTION ROOMS
☐ WASTE AND LINEN COLLECTION ROOMS OVER 100 SQUARE FEET
☐ STATIONARY STORAGE BATTERY SYSTEMS HAVING A LI QUID ELECTROLYTE CAPACITY OF MORE THAN 50 GALLONS, OR A LITHIUM-ION CAPACITY OF 1,00 POUNDS USED FOR FACILITY STANDBY POWER, EMERGENCY POWER OR UNINTERRUPTED POWER SUPPLIES (T508.2.5 SEPARATION: 1 HR)
☐ ROOMS CONTAINING FIRE PUMPS (T508.2.5 SEPARATION: 1 HR AND PROVIDE AUTOMATIC SPRINKLER SYSTEM THROUGHOUT BUILDING)
☐ GROUP I-2 STORAGE ROOMS OVER 100 SQUARE FEET
☐ GROUP I-2 COMMERCIAL KITCHENS
☐ GROUP I-2 LAUNDRIES EQUAL TO OR LESS THAN 100 SQUARE FEET
☐ GROUP I-2 ROOMS OR SPACES THAT CONTAIN FUEL-FIRED HEATING EQUIPMENT

SPECIAL USES ☐ 402 ☐ 403 ☐ 404 ☐ 405 ☐ 406 ☐ 407 ☐ 408 ☐ 409 ☐ 410 ☐ 411 ☐ 412 ☐ 413 ☐ 414 ☐ 415 ☐ 416 ☐ 417 ☐ 418 ☐ 419 ☐ 420 ☐ 421 ☐ 422 ☐ 423 ☐ 424 ☐ 425 ☐ 426 ☐ 427

SPECIAL PROVISIONS: ☐ 509.2 ☐ 509.3 ☐ 509.4 ☐ 509.5 ☐ 509.6 ☐ 509.7 ☐ 509.8 ☐ 509.9

MIXED OCCUPANCY: ☐ NO ☐ YES SEPARATION: ____ HR EXCEPTION: _____

☐ INCIDENTAL USES SEPARATION (508.2.5) ☐ ACCESSORY OCCUPANCY (508.2) - A-3 CONFERENCE ROOMS
THIS SEPARATION IS NOT EXEMPT AS A NON-SEPARATED USE (SEE EXCEPTIONS)
☐ NON-SEPARATED USE (508.3) - B AND S-2
THE REQUIRED TYPE OF CONSTRUCTION FOR THE BUILDING SHALL BE DETERMINED BY APPLYING THE HEIGHT AND AREA LIMITATIONS FOR EACH OF THE APPLICABLE OCCUPANCIES TO THE ENTIRE BUILDING. THE MOST RESTRICTIVE TYPE OF CONSTRUCTION, SO DETERMINED, SHALL APPLY TO THE ENTIRE BUILDING.
☐ SEPARATED USE (508.4) - SEE BELOW FOR AREA CALCULATIONS
FOR EACH STORY, THE AREA OF THE OCCUPANCY SHALL BE SUCH THAT THE SUM OF THE RATIOS OF THE ACTUAL FLOOR AREA OF EACH USE DIVIDED BY THE ALLOWABLE FLOOR AREA FOR EACH USE SHALL NOT EXCEED 1. (508.4.2)

$$\frac{\text{ACTUAL AREA OF OCCUPANCY A}}{\text{ALLOWABLE AREA OF OCCUPANCY A}} + \frac{\text{ACTUAL AREA OF OCCUPANCY B}}{\text{ALLOWABLE AREA OF OCCUPANCY B}} \leq 1$$

$$\frac{\text{ACTUAL} = ?}{\text{ALLOWABLE} = ?} + \frac{\text{ACTUAL} = ?}{\text{ALLOWABLE} = ?} = ? \qquad \leq 1$$

SPRINKLERS: ■ NO ☐ YES ☐ PARTIAL

STANDPIPES: ■ NO ☐ YES CLASS: ☐ I ☐ II ☐ III ☐ WET ☐ DRY

FIRE PROTECTION: APPROVED AUTOMATIC SPRINKLER SYSTEM PER NFPA 13 WITH MULTIPURPOSE DRY-CHEMICAL PORTABLE FIRE EXTINGUISHERS TYPE 2A 10BC, 5 LB. CAPACITY, SPACED AT 75'-0" TRAVEL DISTANCE AROUND THE FLOOR.

INTERIOR FINISHES

IBC CHAPTER 8

WALL AND CEILING FINISHES
CLASS A: FLAME SPREAD 0-25; SMOKE-DEVELOPED 0-450
CLASS B: FLAME SPREAD 26-75; SMOKE-DEVELOPED 0-450
CLASS C: FLAME SPREAD 76-200; SMOKE-DEVELOPED 0-450

GROUP	CLASS
EXIT ENCL/EXIT PASSAGEWAYS	B
CORRIDORS	C
ROOMS AND ENCL SPACES	C

EGRESS ANALYSIS

OCCUPANT LOAD =	47
EGRESS WIDTH PER OCCUPANT SERVED: IBC TABLE 1005.1 STAIRWAYS OTHER EGRESS COMPONENTS	 0.30" PER OCCUPANT SERVED 0.20" PER OCCUPANT SERVED
EGRESS WIDTH CALCULATIONS: STAIRWAY EGRESS WIDTH REQUIRED = STAIRWAY EGRESS WIDTH PROVIDED = OTHER EGRESS COMPONENT (DOORS) WIDTH REQUIRED = OTHER EGRESS COMPONENT (DOORS) WIDTH PROVIDED = OTHER EGRESS COMPONENT (CORRIDORS) WIDTH REQUIRED = OTHER EGRESS COMPONENT (CORRIDORS) WIDTH PROVIDED =	 14.1" 57" 9.4" 68" 9.4" 60"
EGRESS ACCESS TRAVEL DISTANCE: IBC TABLE 1016.1 MAXIMUM EXIT ACCESS TRAVEL DISTANCE ALLOWED = MAXIMUM EXIT ACCESS TRAVEL DISTANCE PROVIDED = MIN. EXIT ACCESS DOORWAY SEPARATION DISTANCE ALLOWED = EXIT ACCESS DOORWAY SEPARATION DISTANCE PROVIDED =	 75'-0" 72'-0"
PORTABLE FIRE EXTINGUISHERS: WHERE REQUIRED PER IFC SECTION 906 AND TABLE 906.1 2A MAXIMUM FLOOR AREA PER UNIT OF A ALLOWED = MAXIMUM FLOOR AREA PER UNIT OF A PROVIDED = MAXIMUM FLOOR AREA FOR EXTINGUISHER ALLOWED = MAXIMUM FLOOR AREA FOR EXTINGUISHER PROVIDED = MAXIMUM TRAVEL DISTANCE TO EXTINGUISHER ALLOWED = MAXIMUM TRAVEL DISTANCE TO EXTINGUISHER PROVIDED =	 1,500 SF 11,250 SF 75' 75'

EXIT OR EXIT ACCESS DOORWAYS REQUIRED (IBC SECTION 1015.1 AND TABLE 1015.1):

TWO EXITS OR EXIT ACCESS DOORWAYS FROM ANY SPACE SHALL BE PROVIDED WHERE ONE OF THE FOLLOWING CONDITIONS EXISTS:

1. THE OCCUPANT LOAD OF THE SPACE EXCEEDS THE FOLLOWING:
OCCUPANCY GROUP A = 50 OCCUPANTS. (50 X 15 = 750 SF)
OCCUPANCY GROUP B = 50 OCCUPANTS. (50 X 100 = 5,000 SF)

2. THE COMMON PATH OF EGRESS TRAVEL EXCEEDS THE LIMITATIONS OF SECTION 1014.3.

TICKET CENTER - EGRESS PATH PTC-01

ROUTE ID	EGRESS LENGTH
PTC-01	72' - 0"

TICKET CENTER - EGRESS PATH PTC-02

ROUTE ID	EGRESS LENGTH
PTC-02	58' - 5"

RIVER LEVEL - EGRESS PATH RL-01

ROUTE ID	EGRESS LENGTH
RL-01	150' - 7"

RIVER LEVEL - EGRESS PATH RL-02

ROUTE ID	EGRESS LENGTH
RL-02	284' - 8"

TERRACE LEVEL - EGRESS PATH TL-01

ROUTE ID	EGRESS LENGTH
TL-01	74' - 8"

OCCUPANT LOAD - TICKET CENTER (IBC 2021 TABLE 1004.5)

NAME	OCCUPANCY TYPE	AREA	SQFT PER OCCUPANT	OCCUPANT LOAD	WIDTH REQUIRED	
					OTHER (IN)	STAIRS (IN)
IT	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM (IBC)	101.82 SF	300	1	0.07	0.1
JANITOR	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM (IBC)	77.21 SF	300	1	0.05	0.08
PUMP ROOM	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM (IBC)	335.52 SF	300	2	0.22	0.34
		514.56 SF		4	0.34	0.51
WAITING AREA	ASSEMBLY STANDING (IBC)	157.67 SF	5	32	6.31	9.46
		157.67 SF		32	6.31	9.46
GENERAL	BUSINESS AREAS - GENERAL (IBC)	580.27 SF	100	6	1.16	1.74
LOBBY	BUSINESS AREAS - GENERAL (IBC)	76.45 SF	100	1	0.15	0.23
TICKETING CONCIERGE	BUSINESS AREAS - GENERAL (IBC)	238.11 SF	100	3	0.48	0.71
WORK AREA	BUSINESS AREAS - GENERAL (IBC)	89.27 SF	100	1	0.18	0.27
		984.1 SF		11	1.97	2.95
		1,656.34 SF		47	8.62	12.93

OCCUPANT LOAD - RIVER LEVEL (IBC 2021 TABLE 1004.5)

NAME	OCCUPANCY TYPE	AREA	SQFT PER OCCUPANT	OCCUPANT LOAD	WIDTH REQUIRED	
					OTHER (IN)	STAIRS (IN)
OUTDOOR ASSEMBLY	ASSEMBLY UNCONCENTRATED - TABLES/CHAIRS (IBC)	111.04 SF	15	8	1.48	2.22
OUTDOOR ASSEMBLY	ASSEMBLY UNCONCENTRATED - TABLES/CHAIRS (IBC)	268.01 SF	15	18	3.57	5.36
OUTDOOR ASSEMBLY	ASSEMBLY UNCONCENTRATED - TABLES/CHAIRS (IBC)	84 SF	15	6	1.12	1.68
OUTDOOR ASSEMBLY	ASSEMBLY UNCONCENTRATED - TABLES/CHAIRS (IBC)	51.28 SF	15	4	0.68	1.03
OUTDOOR ASSEMBLY	ASSEMBLY UNCONCENTRATED - TABLES/CHAIRS (IBC)	168.82 SF	15	12	2.25	3.38
OUTDOOR ASSEMBLY	ASSEMBLY UNCONCENTRATED - TABLES/CHAIRS (IBC)	44 SF	15	3	0.59	0.88
OUTDOOR ASSEMBLY	ASSEMBLY UNCONCENTRATED - TABLES/CHAIRS (IBC)	111.04 SF	15	8	1.48	2.22
OUTDOOR ASSEMBLY	ASSEMBLY UNCONCENTRATED - TABLES/CHAIRS (IBC)	31.93 SF	15	3	0.43	0.64
OUTDOOR ASSEMBLY	ASSEMBLY UNCONCENTRATED - TABLES/CHAIRS (IBC)	49.04 SF	15	4	0.65	0.98
		919.14 SF		66	12.26	18.38
		919.14 SF		66	12.26	18.38

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△	Date	Description
	06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
CODE SUMMARY

Scale

G1.000

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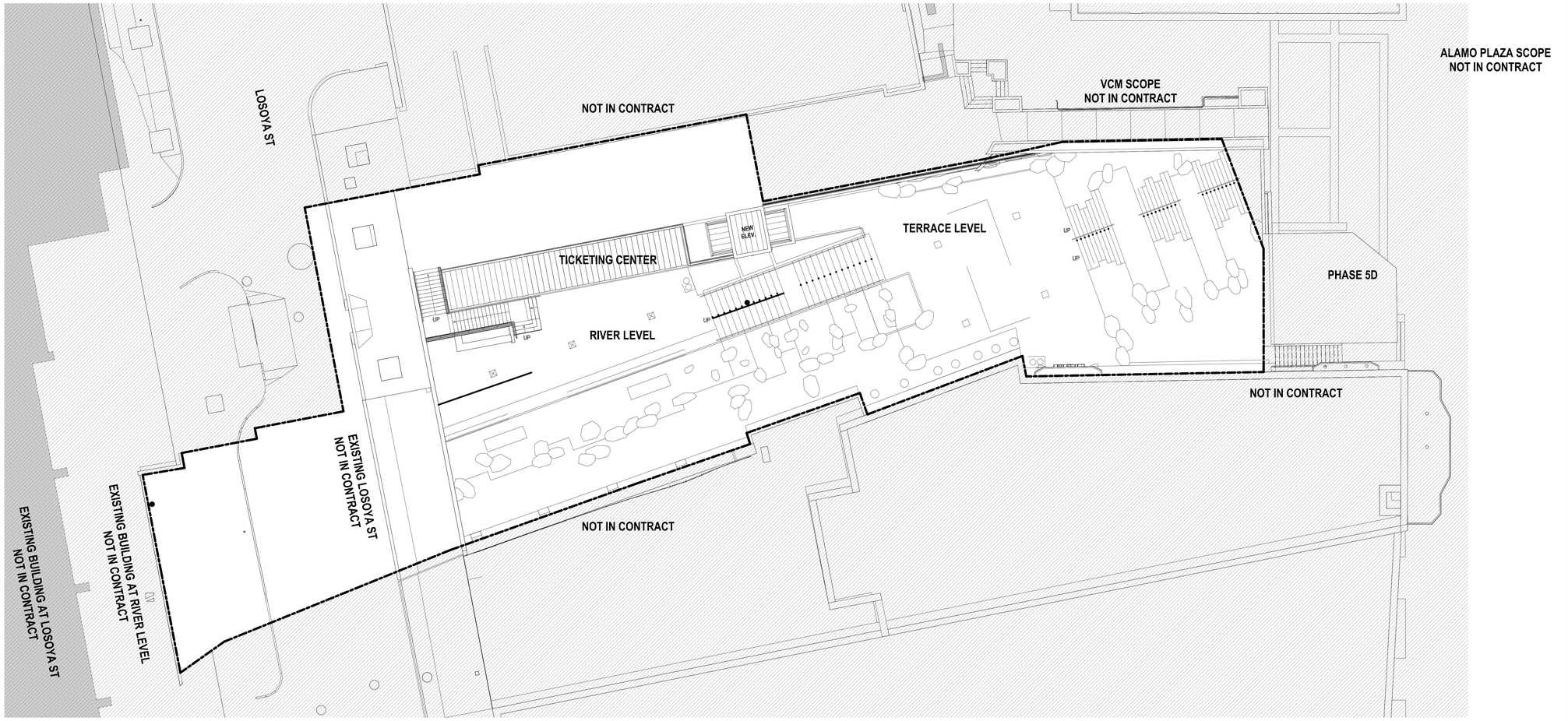
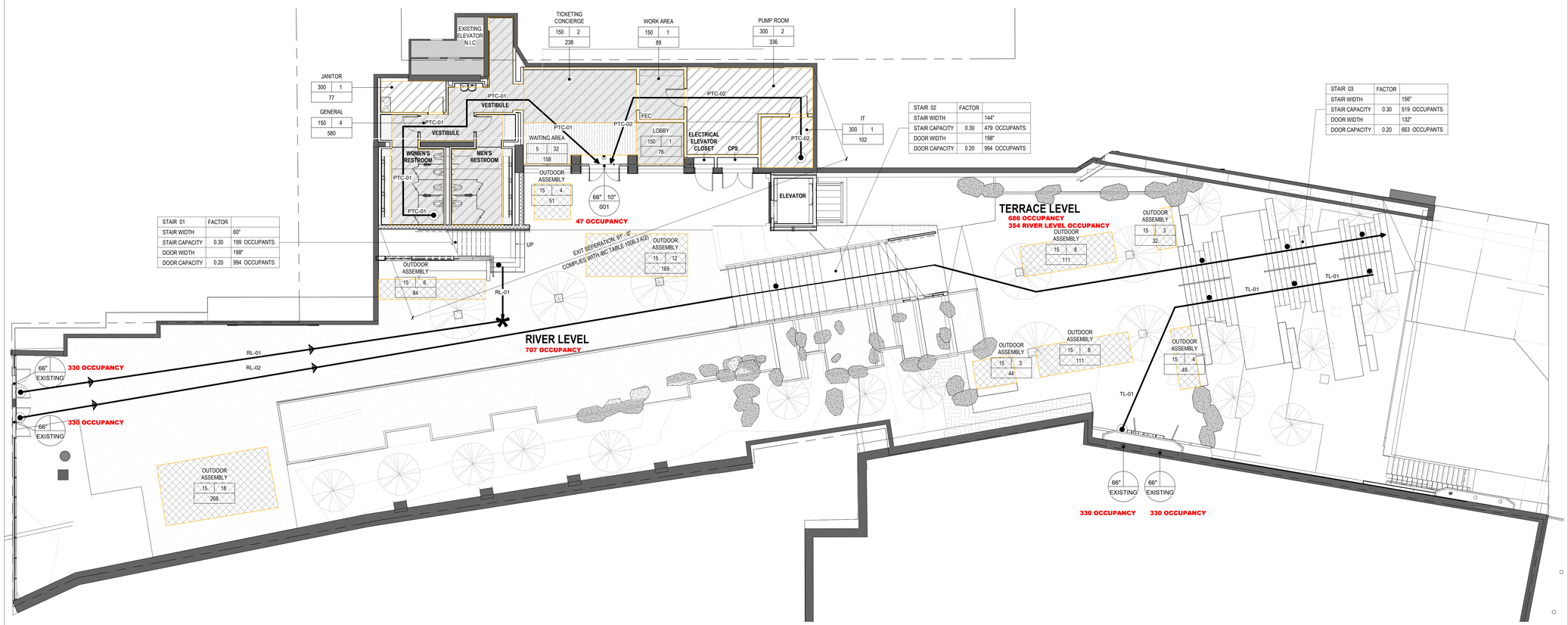


01 LIFE SAFETY - AREA 5 - OVERALL LOWER PASEO SITE PLAN

SCALE: 1" = 10'-0"

REF: 02 / 5B - D2.000



STAIR 01	FACTOR	
STAIR WIDTH		60"
STAIR CAPACITY	0.30	199 OCCUPANTS
DOOR WIDTH		198"
DOOR CAPACITY	0.20	994 OCCUPANTS

STAIR 02	FACTOR	
STAIR WIDTH		144"
STAIR CAPACITY	0.30	479 OCCUPANTS
DOOR WIDTH		198"
DOOR CAPACITY	0.20	994 OCCUPANTS

STAIR 03	FACTOR	
STAIR WIDTH		156"
STAIR CAPACITY	0.30	519 OCCUPANTS
DOOR WIDTH		132"
DOOR CAPACITY	0.20	663 OCCUPANTS

02 LIFE SAFETY - WELCOME CENTER - RIVER LEVEL

SCALE: 1/8" = 1'-0"

REF: 01 / 5B - D2.000

SHEET SYMBOLS LEGEND

- EGRESS TRAVEL PATH: DISTANCE NOTED IS ACTUAL
- OCCUPANCY / 15 | 4 / S.F. — SPACE NAME; OCCUPANCY LOAD; SPACE SF; OCCUPANCY LOAD FACTOR AND METHOD
- 32" | 10" / ED-01 — EXIT DOOR WIDTH PROVIDED; EXIT WIDTH REQUIRED; EXIT DOOR NAME
- 48" | 17" / ST-01 — EXIT STAIR WIDTH PROVIDED; EXIT WIDTH REQUIRED; EXIT STAIRS NAME
- CR — CARD READER
- HO — HOLD OPEN
- KP — KEY PAD
- PD — PANIC DEVICE
- EM — ELECTROMAGNETIC LOCK
- FEC — FIRE EXTINGUISHER CABINET W/ FIRE EXTINGUISHER
- EXIT SIGN - SEE ELECTRICAL
- AREA NOT IN CONTRACT
- COMMON PATH OF TRAVEL
- TRAVEL DISTANCE
- POINT OF DECISION

GENERAL NOTES

A. PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A WITHIN 75-FOOT TRAVEL DISTANCE TO ALL PORTIONS OF THE BUILDING ON EACH FLOOR, AND ADDITIONAL EXTINGUISHERS AS REQUIRED BY AUTHORITY HAVING JURISDICTION.

B. PROVIDE EXIT SIGN WITH 6" LETTERS OVER REQUIRED EXITS, WHERE SHOWN ON DRAWINGS AND AS REQUIRED BY APPLICABLE CODES, AND ADDITIONAL SIGNS AS REQUIRED BY AUTHORITY HAVING JURISDICTION. CONNECT EXIT SIGNS TO EMERGENCY POWER CIRCUITS AS REQUIRED. COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS.

C. DOORS OPENING INTO REQUIRED 1-HOUR, FIRE-RESISTIVE CORRIDORS SHALL BE PROTECTED WITH A SMOKE OR DRAFT STOP ASSEMBLY HAVING A 20-MINUTE RATING AND SHALL BE SELF-CLOSING.

D. 20-MINUTE DOOR JAMBS TO BE TIGHT-FITTING, SMOKE AND DRAFT CONTROLLED.

E. STORAGE, DISPENSING OR USE OF ANY FLAMMABLE OR COMBUSTIBLE LIQUIDS, FLAMMABLE GAS AND HAZARDOUS SUBSTANCES SHALL COMPLY WITH ALL APPLICABLE LAWS AND REGULATIONS.

F. WOOD BLOCKING WHERE PERMITTED SHALL BE FIRE TREATED IN ACCORDANCE WITH APPLICABLE CODE REQUIREMENTS.

G. EXTEND OR MODIFY EXISTING FIRE/LIFE SAFETY SYSTEM AS REQUIRED TO PROVIDE AN APPROVED FIRE/ LIFE SAFETY SYSTEM. SUBMIT PLANS TO AUTHORITY HAVING JURISDICTION WITH COMPLETE DESCRIPTION OF SEQUENCE OF OPERATION, AND OBTAIN APPROVAL PRIOR TO INSTALLATION.

H. EXTEND OR MODIFY EXISTING AUTOMATIC FIRE EXTINGUISHING SYSTEM AS REQUIRED TO PROVIDE AN APPROVED AUTOMATIC FIRE EXTINGUISHING SYSTEM. SUBMIT PLANS TO AUTHORITY HAVING JURISDICTION AND OBTAIN APPROVAL PRIOR TO INSTALLATION.

I. AUTOMATIC SPRINKLER SYSTEMS SHALL BE SUPERVISED BY AN APPROVED CENTRAL, PROPRIETARY OR REMOTE STATION SERVICE OR A LOCAL ALARM WHICH WILL GIVE AN AUDIBLE SIGNAL AT A CONSTANTLY ATTENDED LOCATION.

FUNCTION OF SPACE

- ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM (IBC)
- ASSEMBLY STANDING (IBC)
- ASSEMBLY UNCONCENTRATED - TABLES/CHAIRS (IBC)
- BUSINESS AREAS - GENERAL (IBC)

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△	Date	Description
	06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
LIFE SAFETY PLAN - EGRESS - SITE AND RIVER LEVEL

Scale
As indicated

G1.200

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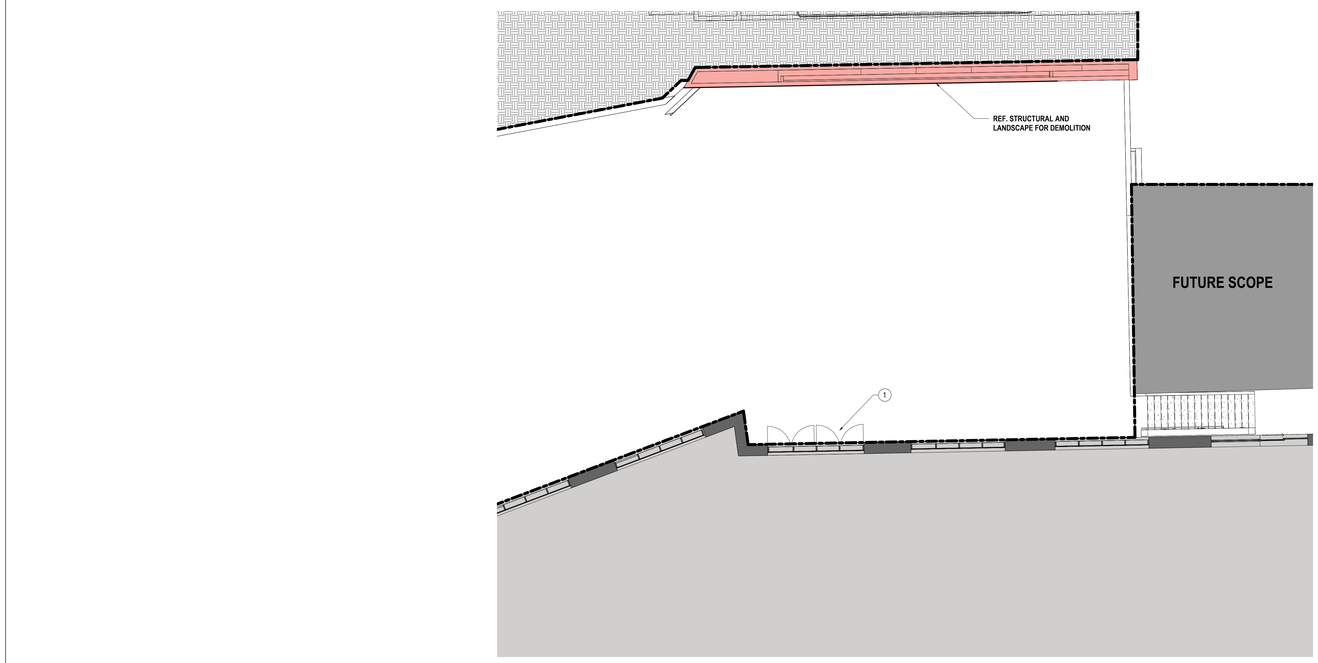
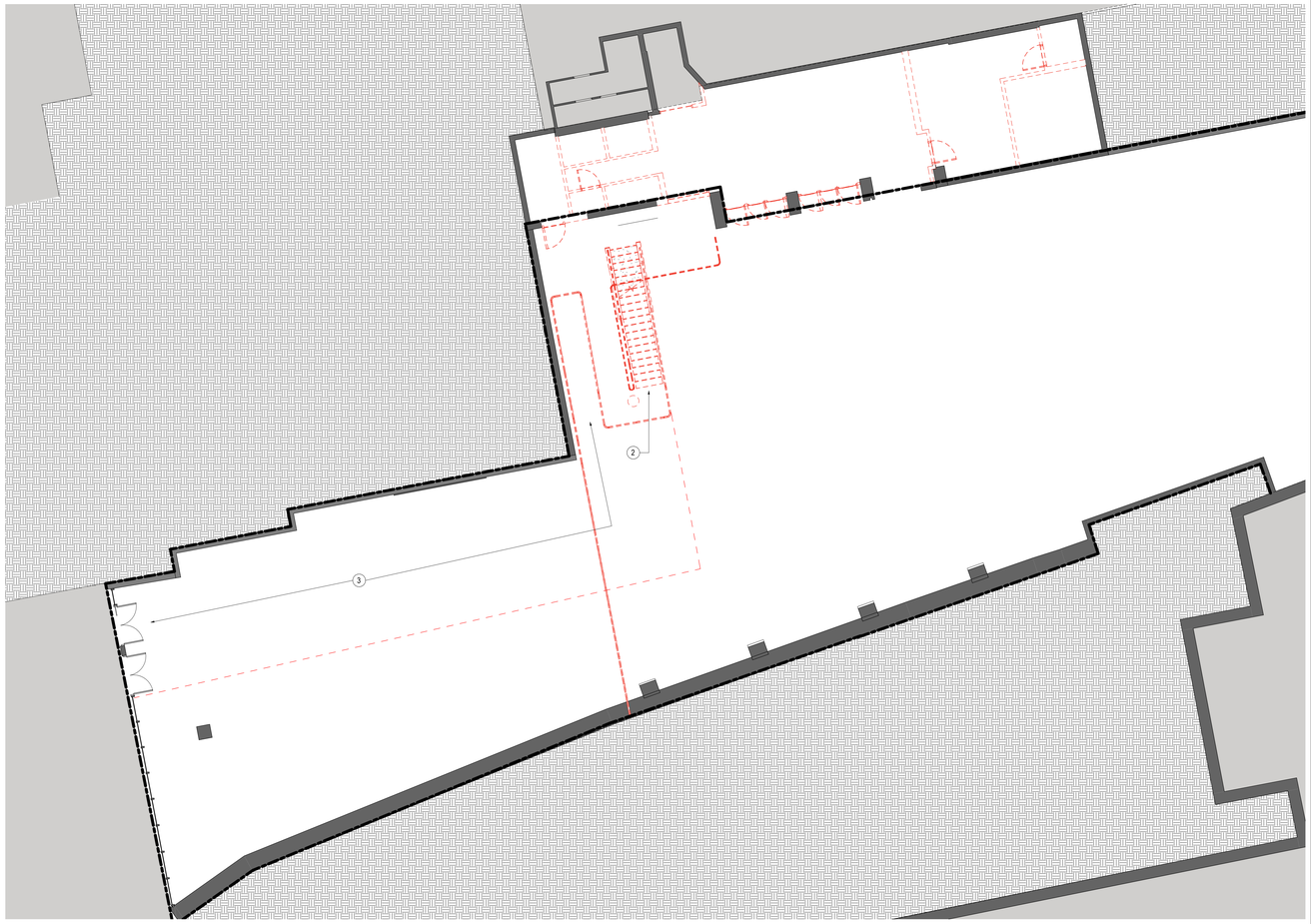


01 TEMPORARY EMERGENCY EGRESS - DEMOLITION - MID PASEO

SCALE: 1/8" = 1'-0"

REF: 01 / 5B - D2.000



02 TEMPORARY EMERGENCY EGRESS - DEMOLITION - LOWER PASEO

SCALE: 1/8" = 1'-0"

REF: 01 / 5B - D2.000

SHEET NOTES

1. PROVIDE CONTINUOUS EGRESS ACCESS FOR PUBLIC EXITING FROM EXISTING RIPLEY'S EXIT ON THE SOUTH.
2. RETAIN ACCESS FROM HOTEL THROUGH EXISTING STAIRS AS LONG AS POSSIBLE.
3. AFTER MAIN STAIR DEMO, PROVIDE TEMPORARY VERTICAL EGRESS FROM THE HYATT TO THE POCKET PARK ON THE SOUTH SIDE AS REQUIRED BY AHJ.

GENERAL NOTES

1. PROVIDE CONTINUOUS EGRESS ACCESS FOR PUBLIC.
2. PROVIDE TEMPORARY COVERED WALKWAY, STAIRS, RAILING, ETC. AS NECESSARY.
3. PROVIDE EGRESS PLAN TO OWNER/ARCHITECT FOR APPROVAL PRIOR TO START OF DEMOLITION.

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Date	Description
05/19/2023	50% SCHEMATIC DESIGN
08/10/2023	100% SCHEMATIC DESIGN
09/07/2023	DEMOLITION PACKAGE FOR ARCHAEOLOGICAL PERMIT - WESTERN SCOPE
11/02/2023	100% DESIGN DEVELOPMENT
01/05/2024	AREA 5 DEMOLITION MOBILIZATION
01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
TEMPORARY EMERGENCY EGRESS - DEMOLITION

Scale
1/8" = 1'-0"

G2.000

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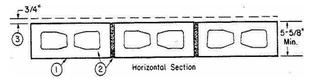
Design No. U906

September 30, 2010

BEARING WALL RATING - 2 HR.
NONBEARING WALL RATING - 2 HR.



1. Concrete Blocks* - Nominal 6 by 8 by 16 in, hollow or solid.
Classification D-2 (2 hr.)
ANCHOR CONCRETE PRODUCTS INC
GAGNE & SON CONCRETE BLOCK INC
Allowable compressive stress of 57% of max allowable compressive stress in accordance with the emperical design method.
BETCO BLOCK & PRODUCTS INC
ARTHUR WITCOMB
WESTBROOK CONCRETE BLOCK CO INC
Allowable compressive stress of 75.6% of max allowable compressive stress in accordance with the emperical design method.

2. Mortar - Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.

3. Portland Cement Stucco or Gypsum Plaster - Add 1/2 hr to Classification if used. Attached to concrete blocks (Item 1).

4. Foamed Plastic* - (Optional - Not Shown) - 1-1/2 in. thick max, 4 ft wide sheathing attached to concrete blocks (Item 1).
THE DOW CHEMICAL CO - Type Thermax

*Bearing the UL Classification Mark

NOTE:
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Design No. U419 (cont.)

6A. Steel Framing Members (Not Shown)* -- (Optional on one or both sides, not shown, for single or double layer systems) -- As an alternate to Item 6, furring channels and Steel Framing Members as described below:
a. Furring Channels -- Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep,spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 5. Not for use with Item 4A.
b. Steel Framing Members* -- Used to attach furring channels (Item 6Aa) to studs (Item 2). Clips spaced max. 48 in. OC., and secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips.
PAC INTERNATIONAL INC -- Type RSIC-1.

6B. Steel Framing Members (Optional, Not Shown)* -- As an alternate to Item 6, furring channels and Steel Framing Members on only one side of studs as described below:
a. Furring Channels -- Formed of No. 25 MSG galv steel, spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Batts and Blankets placed in stud cavity as described in Item 4. Two layers of gypsum board attached to furring channels as described in Item 4. Not for use with Item 4A.
b. Steel Framing Members* -- Used to attach furring channels (Item 6Ba) to one side of studs (Item 2) only. Clips spaced 48 in. OC., and secured to studs with two No. 8 x 2-1/2 in. coarse drywall screws, one through the hole at each end of the clip. Furring channels are friction fitted into clips.
KINETICS NOISE CONTROL INC -- Type Isomax

7. Joint Tape and Compound -- Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layer panels. Paper tape and joint compound may be omitted when gypsum panels are supplied with a square edge.

8. Siding, Brick or Stucco -- (Optional, not shown) -- Aluminum, vinyl or steel siding, brick veneer or stucco, meeting the requirements of local code agencies, installed over gypsum panels. Brick veneer attached to studs with corrugated metal wall ties attached to each stud with steel screws, not more than each sixth course of brick.

9. Caulking and Sealants* -- (Optional, not shown) -- A bead of acoustical sealant applied around the partition perimeter for sound control.
UNITED STATES GYPSUM CO -- Type AS

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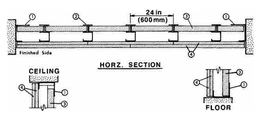
Design No. U438

July 01, 2010

NONBEARING WALL RATING -- 2 HR.



1. Floor and Ceiling Runners -- "J"- shaped runner, 2-1/2 in. wide with unequal legs of 1 in. and 2 in., fabricated from 24 MSG galv steel. Runners positioned with short leg toward finished side of wall. Runners attached to structural supports with steel fasteners located not greater than 2 in. from ends and not greater than 24 in. OC.

2. Steel Studs -- "C-H" -shaped studs, 2-1/2 in. wide by 1-1/2 in. deep, fabricated from 25 MSG galv steel. Cut to lengths 3/8 to 1/2 in. less than floor to ceiling height and spaced 24 in. or 600 mm OC.

2A. Steel Studs -- (Not shown)-"E" -shaped studs installed in place of "C-H" -shaped studs (Item 2) to secure the closure liner panels at the ends of walls. Fabricated from 25 MSG galv steel, 2-1/2 in. wide, with one leg 1 in. long and two legs 3/4 in. long. Shorter legs 1 in. apart to engage gypsum liner panels. Cut to lengths 3/8 in. less than floor to ceiling height. Sill and lintel of opening formed with "J" -shaped runners (Item 1) secured to "E" -shaped studs with angle clips and steel screws.

3. Gypsum Board* -- 1 in. thick gypsum wallboard liner panels, supplied in nom 24 in. or 600 mm (for metric spacing) widths. Panels cut 1 in. less in length than floor to ceiling height. Vertical edges inserted in "H" -shaped section of "C-H" studs. Free edge of end panels attached to long leg of "J" -runners with 1-3/8 in. long Type S steel screws spaced not greater than 12 in. OC.
CANADIAN GYPSUM COMPANY -- Type SLX.
UNITED STATES GYPSUM CO -- Type SLX.
USG MEXICO S A DE C V -- Type SLX.

4. Gypsum Board* -- 1/2 in. thick, 4 ft. or 1200 mm (for metric spacing) wide wallboard applied vertically in two layers. Inner or base layer attached to studs with 1 in. long Type S steel screws spaced 24 in. OC along the edges and in the field of the boards. Outer or face layer attached to studs and "J" -runners with 1-5/8 in. long Type S steel screws spaced 12 in. along the edges and in the field of he boards, staggered.
Outer layer joints covered with paper tape and joint compound. Exposed screw heads covered with joint compound. As an alternate method, inner wallboard layer applied vertically, outer wallboard layer applied horizontally. Inner layer attached to studs with 1 in. Type S steel screws spaced 24 in. OC along vertical edges and in the field. Outer layer attached to the studs and "J" runners over the inner layer with 1-5/8 in. long Type S steel screws spaced 12 in. OC in the field, along the vertical edges and to the floor and ceiling runners. Outer layer secured to inner layer wallboard with 1-1/2 in. long
Type G steel screws located midway between studs and 1 in. from the horizontal joint.
AMERICAN GYPSUM CO -- Types AG-C.
BPB AMERICA INC -- Type FRPC, ProRoc Type C.
BPB CANADA INC -- ProRoc Type C.
CANADIAN GYPSUM COMPANY -- Type C, IP-X2, or WRC.
G-P GYPSUM CORP, SUB OF
GEORGIA-PACIFIC CORP -- Type 5.
LAFARGE NORTH AMERICA INC -- Types LGFC-C, LGFC-C/A.
NATIONAL GYPSUM CO -- Types FSK-C, FSW-C, FSMR-C.
PABCO GYPSUM, DIV OF
PACIFIC COAST BUILDING PRODUCTS INC -- Types PG-C.
STANDARD GYPSUM L L C -- Type SG-C.
TEMPLE-INLAND FOREST PRODUCTS CORP -- Type TG-C.
UNITED STATES GYPSUM CO -- Type C, IP-X2 or WRC.
USG MEXICO S A DE C V -- Type C, IP-X2 or WRC.

4A. Gypsum Board* -- (As an alternate to Item 4) -- 5/8 in. thick, 4 ft wide. Attached as described in Item 4.
CANADIAN GYPSUM COMPANY -- Type AR, IP-AR, IP-X1, SCX or WRX.
UNITED STATES GYPSUM CO -- Type AR, FRX-G, IP-AR, IP-X1, SCX or WRX.
USG MEXICO S A DE C V -- Type AR, IP-AR, IP-X1, SCX or WRX.

5. Batts and Blankets* -- (Optional) -- (Not shown) -- Mineral wool or glass fiber batts partially or completely filling stud cavity. Any mineral wool or glass fiber batt material bearing the UL Classification Marking as to Fire Resistance.

5A. Fiber, Sprayed* -- As an alternate to Batts and Blankets (Item 5) -- Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 3.0 lb/ft3. Alternate application method: The fiber is applied with U.S. Greenfiber LLC Type AD100 hot melt adhesive at a nominal ratio of one part adhesive to 6.6 parts fiber to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 2.5 lb/ft3.
U S GREENFIBER L L C -- Cocoon2 Stabilized or Cocoon-FRM (Fire Rated Material)

5B. Fiber, Sprayed* -- As an alternate to Batts and Blankets (Item 5) and Item 5A - Spray applied cellulose insulation material. The fiber is applied with water to interior surfaces in accordance with the application instructions supplied with the product. Applied to completely fill the enclosed cavity. Minimum dry density of 4.3 pounds per cubic ft.
NU-WOOL CO INC -- Cellulose Insulation

*Bearing the UL Classification Mark

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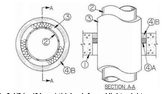
Design No. C-AJ-5001

March 05, 2007

THROUGH-PENETRATION FIRESTOP SYSTEM--2H.



1. Floor or Wall Assembly -- Min 2-1/2 in. (64 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/.m3) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 18 in. (457 mm) See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
1A. Steel Sleeve -- (Optional, not shown) -- Nom 10 in. (254 mm) (or smaller) Schedule 10 (or heavier) steel sleeve cast or grouted into floor or wall assembly. Sleeve may extend a max of 2 in. (51 mm) above top of floor or beyond either surface of wall. T Rating is 0 Hr when sleeve is used.

2. Through Penetrant -- Nom 4 in. (102 mm) diam (or smaller) Type L (or heavier) copper pipe, nom 12 in. (305 mm) diam (or smaller) service weight (or heavier) cast iron soil pipe, nom 12 in. (305 mm) diam (or smaller) Class 50 (or heavier) ductile iron pressure pipe or nom 12 in. (305 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe centered in the opening and rigidly supported on both sides of the floor or wall assembly.

3. Pipe Covering* -- Nom 1/2 to 2 in. (13 to 51 mm) thick hollow cylindrical heavy density (min. 3.5 pcf or 56 kg/m3) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt strip tape supplied with the product. See Pipe and Equipment Covering -- Materials* (BRGU) category in Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

4. Firestop System -- The details of the firestop system shall be as follows:
A. Packing Material -- Min 1 in. (25 mm) thickness of firmly packed mineral wool batt insulation used as a permanent form. Packing material to be recessed from top surface of floor or sleeve or from both surfaces of wall as required to accommodate the required thickness of caulk fill material (Item B).
B. Fill, Void or Cavity Material* -- Caulk or Sealant -- Applied to fill the annular space flush with the top surface of the floor or sleeve or flush with both surfaces of wall. When nom pipe covering thickness is 2 in. (51 mm), min thickness of caulk fill material is 2 in. (51 mm). When nom pipe covering thickness is 1-1/2 in. (38 mm) or less, min thickness of caulk fill material is 1 in. (25 mm). The hourly F and T Ratings of the firestop system are dependent upon the thickness of the floor or wall, the size of pipe, the thickness of pipe covering material and the size of the annular space (between the pipe covering material and the edge of the circular through opening), as shown in the following table:

3M COMPANY -- CP 25WB+ or FB-3000 WT

*Bearing the UL Classification Mark

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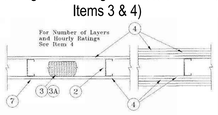
Min Floor or Wall Thkns In.	Max Pipe Diam In.	Nom Pipe Covering Thkns In.	Annular Space In.	F Rating Hr	T Rating Hr
2-1/2 (64)	4 (102)	1 or 1-1/2 (25 or 38)	1/2 to 2-3/8 (13 to 60)	2	1
4-1/2 (114)	4 (102)	2 (51)	1/4 to 3-5/8 (6 to 92)	2	1-1/2
2-1/2 (64)	12 (305)	1 (25)	1/2 to 1-1/2 (13 to 38)	2	1/2
4-1/2 (114)	12 (305)	1 (25)	1/2 to 2-3/8 (13 to 60)	3	1
2-1/2 (64)	12 (305)	1/2 (13)	1/2 to 2-3/8 13 to 60)	2	0

Design No. U419

August 14, 2010

Nonbearing Wall Ratings -- 1,2,3, or 4 HR. (See Items 3 & 4)



1. Floor and Ceiling Runners -- (Not shown) -- Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min width to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners 24 in. OC max.

2. Steel Studs -- Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min width as indicated under Item 4, min 1-1/4 in. flanges and 1/4 in. return, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

3. Batts and Blankets* -- (Required as indicated under Item 4) -- Mineral wool batts, friction fitted between studs and runners. Min nom thickness as indicated under Item 4. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

3A. Batts and Blankets* -- (Optional) -- Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

4. Gypsum Board* -- Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

Wallboard Protection on Each Side of Wall

Rating Hr	Min Stud Depth & Thkns of Panel	No. of Layers of (Item 3)Insulation	
1	3-1/2	1 layer, 5/8 in. thick	Optional
1	2-1/2	1 layer, 1/2 in. thick	1-1/2 in.
1	1-5/8	1 layer, 3/4 in. thick	Optional
2	1-5/8	2 layers, 1/2 in. thick	Optional
2	1-5/8	2 layers, 5/8 in. thick	Optional
2	3-1/2	1 layer, 3/4 in. thick	3 in.
3	1-5/8	3 layers, 1/2 in. thick	Optional
3	1-5/8	2 layers, 3/4 in. thick	Optional
3	1-5/8	3 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 5/8 in. thick	Optional
4	1-5/8	4 layers, 1/2 in. thick	Optional
4	2-1/2	2 layers, 3/4 in. thick	2 in.

CANADIAN GYPSUM COMPANY -- 1/2 in. thick Type C, IP-X2 or IPC-AR; WRC, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX or WRC; 3/4 in. thick Types IP-X3 or ULTRACODE
UNITED STATES GYPSUM CO -- 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type SCX, SHX, WRX, IP-X1, AR, C, WRC, FRX-G, IP-AR, IP-X2, IPC-AR ; 3/4 in. thick Types IP-X3 or ULTRACODE
USG MEXICO S A DE C V -- 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRC or; 3/4 in. thick Types IP-X3 or ULTRACODE

When Item 6B, Steel Framing Members*, is used, Nonbearing Wall Rating is limited to 1 Hr. Min. stud depth is 3-1/2 in., min. thickness of insulation (Item 3) is 3 in., and two layers of gypsum board panels (1/2 in. or 5/8 in. thick) shall be attached to furring channels as described in Item 5. One layer of gypsum board panels (1/2 in. or 5/8 in. thick) attached to opposite side of stud without furring channels as described in Item 5.

4A. Gypsum Board* -- (As an alternate to Item 4) -- 5/8 in. thick, 2 ft. wide, tongue and groove edge, applied horizontally as the outer layer to one side of the assembly. Secured as described in Item 5. Joint covering (Item 7) not required.
CANADIAN GYPSUM COMPANY -- Type SHX.
UNITED STATES GYPSUM CO -- Type SHX.
USG MEXICO S A DE C V -- Type SHX.

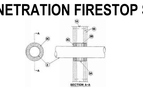
5. Fasteners -- (Not shown) -- Type S or S-12 steel screws used to attach panels to studs (Item 2) or furring channels (Item 6). Single layer systems: 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 8 in. OC when panels are applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. Two layer systems: First layer- 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC with screws offset 8 in. from first layer. Three-layer systems: First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in., 5/8 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below. Four-layer systems: First layer- 1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 24 in. OC. Fourth layer- 2-5/8 in. long for 1/2 in. thick panels or 3 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below.

6. Furring Channels -- (Optional, not shown, for single or double layer systems) -- Resilient furring channels fabricated from min 25 MSG corrosion-protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 in. long Type S-12 steel screws. Not for use with Item 4A.

Design No. W-L-2014

February 01, 2001

THROUGH-PENETRATION FIRESTOP SYSTEM--2H.



1. Wall Assembly -- The fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
A. Studs -- Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC.
B. Gypsum Board* -- Two layers of nom 5/8 in. thick gypsum wallboard, as specified in the individual Wall and Partition Design. Max diam of opening is 8 in.

2.Nonmetallic Pipe -- Nom 4 in. diam (or smaller) Schedule 40 polyvinyl chloride (PVC) or SDR17 chlorinated polyvinyl chloride (CPVC) pipe for use in closed (process or supply) piping systems. Pipe to be rigidly supported on both sides of wall assembly.

3. Firestop System -- The hourly F and T Rating for the firestop systems are dependent upon the size of pipe, annular space, and min forming and fill material thicknesses as described in the table below. When the annular space in the table shows a range of distances, the penetrating item may be installed either concentrically or eccentrically within the firestop system. The firestop systems shall consist of the following:
A. Steel Sleeve or Wire Mesh -- No. 8 steel wire mesh having a min 1 in. lap along the longitudinal seam. Length of sleeve to be 1/4 to 1/2 in. less than overall thickness of wall such that, when installed in circular opening, the ends of the sleeve are recessed 1/8 to 1/4 in. from each surface of the wall. Sleeve may also be formed of min 0.034 in. thick (20 MSG) galv steel sheet.
B. Packing Material -- Mineral wool batt insulation firmly packed into opening as a permanent form at the thickness shown in the table below. Packing material to be recessed from both surfaces of wall as required to accommodate the required thickness of fill material. As an option to the above, backer rod and/or foamed plastic backer material may be used.
C. Fill, Void or Cavity Material* -- Caulk -- Applied within the annulus, flush with both surfaces of wall as shown in the table below:

*Bearing the UL Classification Mark

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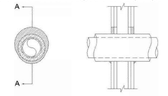
Max Pipe Diam In.	Annular Space In.	Min Forming Mtl Depth In.	Min Fill Mtl Depth In.	F Rating Hr	T Rating Hr
4	3/4 to 3-1/2	1-1/8	1-1/4	2	1-1/2
2	1-3/8	3/4	3/4	1	1

Design No. W-L-5028

February 08, 2006

THROUGH-PENETRATION FIRESTOP SYSTEM--2H.



1. Wall Assembly -- The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
A. Studs -- Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC.
B. Gypsum Board* -- 5/8 in. thick, 4 ft wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max diam of opening is 7-1/2 in. The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.

2. Through Penetrants -- One metallic pipe or tubing to be centered within the firestop system. Pipe or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes or tubing may be used:
A. Steel Pipe -- Nom 4 in. diam (or smaller) Schedule 40 (or heavier) steel pipe.
B. Copper Tubing -- Nom 2 in. diam (or smaller) Type L (or heavier) copper tubing.
C. Copper Pipe -- Nom 2 in. diam (or smaller) Regular (or heavier) copper pipe.

3. Tube Insulation -- Plastics* -- Nom 3/4 in. thick acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the form of tubing. An annular space of min 0 in. (point contact) to max 1-1/2 in. is required within the firestop system. See Plastics* (QMFZ2) category in the Recognized Component Directory for names of manufacturers. Any Recognized Component tube insulation material meeting the above specifications and having a UL 94 Flammability Classification of 94-5VA may be used. The hour T Rating of the firestop system is dependent on the hourly fire rating of the wall assembly in which it is installed, the size and type of through penetrant and the pipe covering thickness, as shown in the table below:

4. Fill, Void or Cavity Material* -- Sealant -- Min 5/8 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. At the point contact location between pipe covering and gypsum wallboard, a min 1/2 in. diam bead of fill material shall be applied at the pipe covering/gypsum wallboard interface on both surfaces of wall.
HILTI CONSTRUCTION CHEMICALS, DIV OF
HILTI INC -- FS-ONE Sealant

*Bearing the UL Classification Mark

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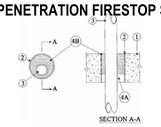
Wall Assembly Rating Hr	Type +	hrough Penetrant Max Diam In.
1	A	4
1	A, B or C	2
2	A	4
2	A, B or C	2

Design No. C-AJ-2169

February 14, 2006

THROUGH-PENETRATION FIRESTOP SYSTEM--2H.



1. Floor or Wall Assembly -- Min 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete floor. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 4 in. See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. Metallic Sleeve -- (Optional) -- Nom 4 in. diam (or smaller) Schedule 10 (or heavier) steel sleeve cast or grouted into floor or wall assembly, flush with floor or wall surfaces.

3. Through Penetrants -- One nonmetallic pipe or conduit to be installed either concentrically or eccentrically within the firestop system. The annular space between the pipe or conduit and the periphery of the opening shall be a min of 1/2 in. to max 1-3/8 in. Pipe or conduit to be rigidly supported on both sides of floor or wall. The following types and sizes of pipes or conduits may be used:
A. Polyvinyl Chloride (PVC) Pipe -- Nom 2 in. diam (or smaller) Schedule 40 solid core PVC pipe for use in closed (process or supply) or vented (drain, waste, or vent) piping systems.
B. Chlorinated Polyvinyl Chloride (CPVC) Pipe -- Nom 2 in. diam (or smaller) SDR 17 CPVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
C. Rigid Nonmetallic Conduit* -- Nom 2 in. diam (or smaller) Schedule 40 PVC conduit installed in accordance with Article 347 of the National Electrical Code, (NFPA No. 70).

4. Firestop System -- The firestop system shall consist of the following:
A. Forming Material* -- Min 1-1/2 in. thickness foamed into opening as a permanent form. Forming material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.
HILTI CONSTRUCTION CHEMICALS, DIV OF
HILTI INC -- CF128-DW or CF511 Foam Sealant
B. Fill, Void or Cavity Material* -- Sealant -- Min 3 in. thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall.

*Bearing the UL Classification Mark
NOTE:
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01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
UL DESIGN ASSEMBLIES

Scale
NOT TO SCALE

G3.001

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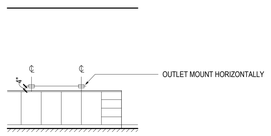
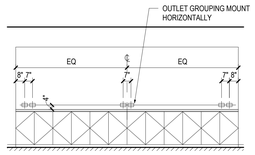
MOUNTING DIAGRAMS



17 **LOCATIONS at MILLWORK COUNTERS MAX 25" DEPTH**
OUTLETS



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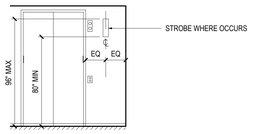
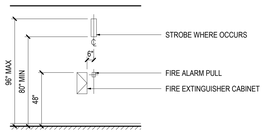
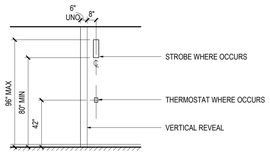


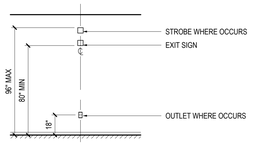
19 **LOCATIONS at FREIGHT ELEVATORS**
STROBES



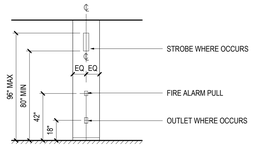
20 **LOCATIONS at FIRE EXTINGUISHER CABINET**
STROBES and FIRE ALARM PULLS



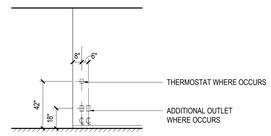
21 **LOCATIONS at CORNERS with REVEALS**
STROBES and THERMOSTATS



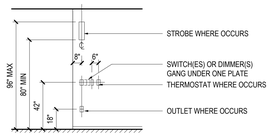
22 **LOCATION FOR EXIT SIGNS**
(WALL MOUNTED)



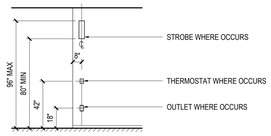
9 **LOCATIONS at COLUMNS, BETWEEN DOORS, ETC.**
OUTLETS, STROBES and FIRE ALARM PULLS



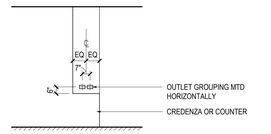
10 **LOCATIONS at CORNERS**
OUTLETS



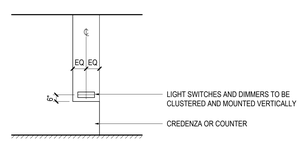
11 **LOCATIONS at CORNERS**
SWITCHES, OUTLETS, STROBES and THERMOSTATS



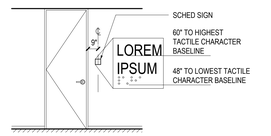
12 **LOCATIONS at CORNERS**
OUTLETS, STROBES and THERMOSTATS



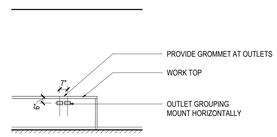
13 **LOCATIONS at CREDENZAS or COUNTERS**
OUTLETS



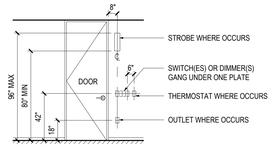
14 **LOCATIONS at CREDENZAS or COUNTERS**
SWITCHES



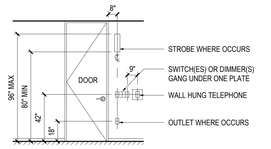
15 **LOCATION FOR TYPICAL SIGNS**



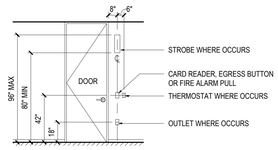
16 **LOCATIONS at WORK SURFACES**
OUTLETS



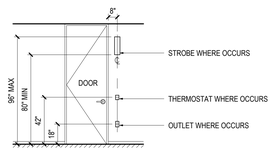
1 **LOCATIONS at DOOR JAMBS**
SWITCH and THERMOSTAT



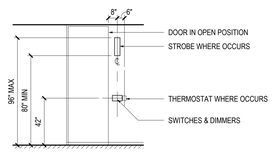
2 **LOCATIONS at DOOR JAMBS**
SWITCH and TELEPHONE



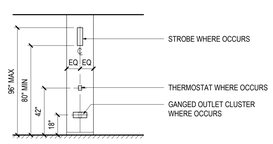
3 **LOCATIONS at DOOR JAMBS**
CARD READER, EGRESS BUTTON or FIRE ALARM PULL



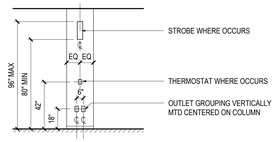
4 **LOCATIONS at DOOR JAMBS**
THERMOSTAT, STROBE or OUTLET



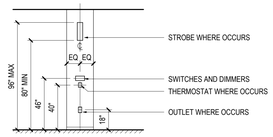
5 **LOCATIONS at OPEN DOORS**
SWITCHES, STROBES and THERMOSTATS



6 **LOCATIONS at COLUMNS, BETWEEN DOORS, ETC**
OUTLETS, STROBES and THERMOSTATS



7 **LOCATIONS at COLUMNS, BETWEEN DOORS, ETC**
OUTLET GROUPS, STROBES and THERMOSTATS



8 **LOCATIONS at COLUMNS, BETWEEN DOORS, ETC**
SWITCHES, STROBES and THERMOSTATS

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06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
TYPICAL DETAILS AND MOUNTING DIAGRAMS

Scale
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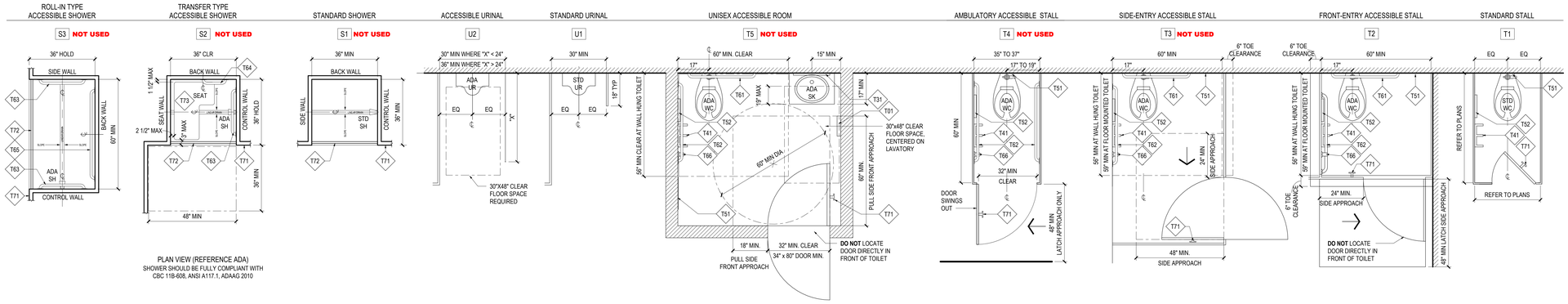
TYPICAL STALL TYPES - FIXTURE AND ACCESSORY LOCATIONS



NOTE:
REFER TO TDLR MANUAL FOR REQUIREMENTS AT TRANSIENT HOUSING SHOWERS

NOTE:
SINGLE LEVER CONTROL VALVE. INSTALL ON THE CONTROL WALL ACROSS FROM THE SEAT & LOCATE ABOVE THE GRAB BAR BUT NO HIGHER THAN 48" AFF WITH THE CENTERLINE AT 39" TO 41" AFF

NOTE:
AT ALL SHOWERS, COORDINATE LOCATION OF TRENCH DRAIN WITH SLAB CONDITIONS. IF ALLOWED, DRAIN CAN BE LOCATED ALONG BACK WALL. COORDINATE SLOPE ACCORDINGLY.

NOTE:
1. 60"x56" MINIMUM CLEAR SPACE SHALL BE PROVIDED AT WALL HUNG TOILETS. 60"x59" MINIMUM CLEAR FLOOR SPACE SHALL BE REQUIRED AT FLOOR MOUNTED TOILETS.
2. DOOR SWING SHALL NOT OVERLAP TOILET CLEARANCE.
3. VERTICAL GRAB BAR WHERE REQUIRED BY ICC ANSI A117.1
4. PROVIDE REQUIRED ADA MANEUVERING CLEARANCES AT ALL DOORS (BOTH SIDES.)
5. MIRRORS LOCATED ABOVE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITH THE REFLECTING SURFACE 40" MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. MIRRORS NOT LOCATED ABOVE LAVATORIES OR COUNTERTOPS SHALL BE INSTALLED WITH THE BOTTOM EDGE OF THE REFLECTING SURFACE 35" MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.

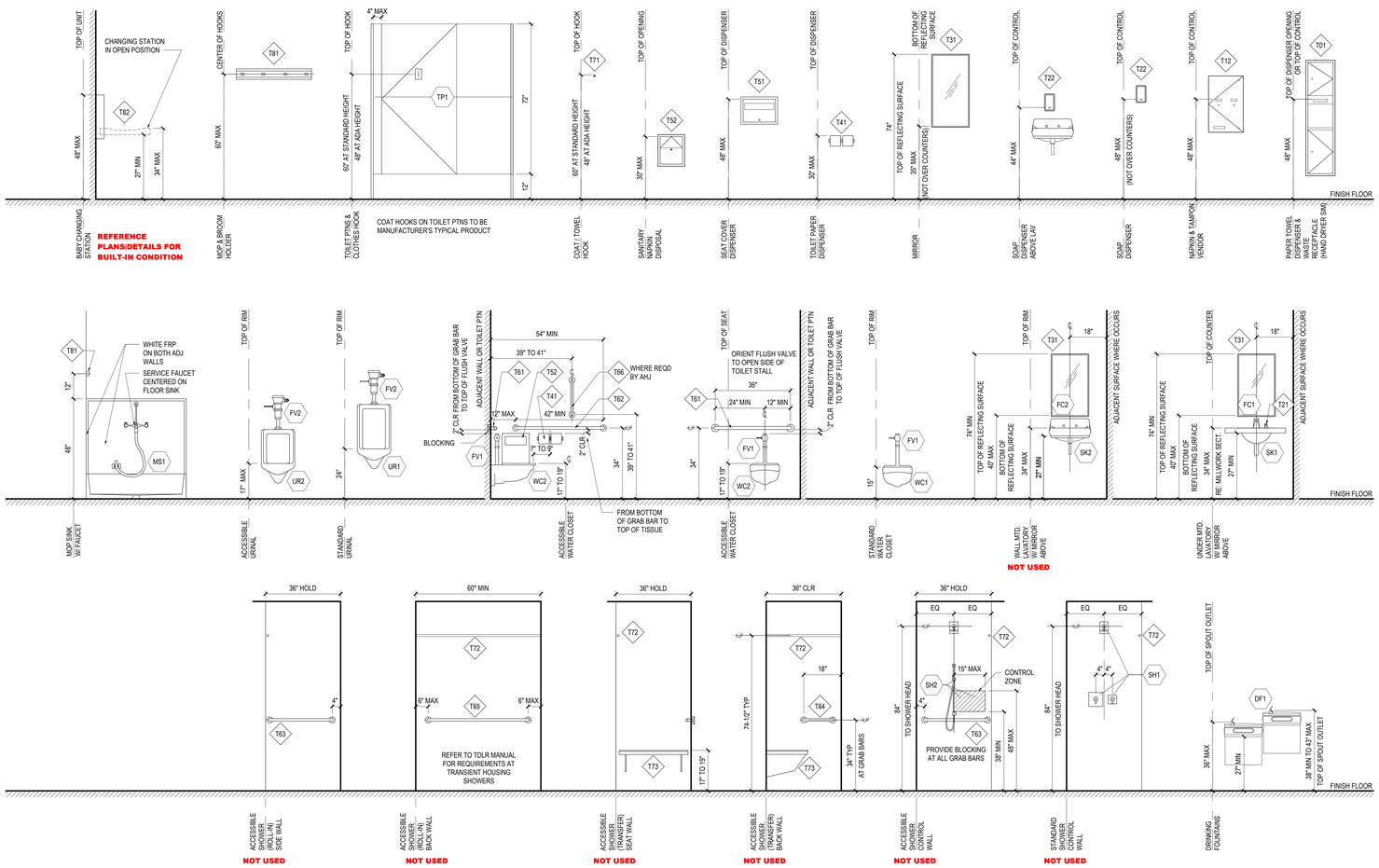
NOTE:
WHERE SIX OR MORE FIXTURES INCLUDING TOILETS AND URINALS ARE PROVIDED WITHIN A MULTIPLE-ACCOMMODATION TOILET ROOM, AT LEAST ONE STALL, IN ADDITION TO A WHEELCHAIR ACCESSIBLE STALL, SHALL BE PROVIDED THAT IS 36" WIDE WITH SELF CLOSING DOOR AND PARALLEL GRAB BARS (FOR SEMI-AMBULATORY USE).

NOTE:
1. DOOR MAY SWING MAY BE REVERSED WHEN ADA FLOOR CLEARANCE IS PROVIDED
2. DOOR MAY NOT SWING INTO TOILET CLEAR FLOOR SPACE
3. LINE OF 6" TOE CLEARANCE MAY EXTEND UNDER TOILET PARTITIONS. IF SOLID WALLS ARE PROVIDED, ADDITIONAL CLEARANCE GREATER THAN 6" MUST BE PROVIDED WITHIN STALL

NOTE:
1. DOOR SWING MAY BE REVERSED WHEN DOOR CLEARANCE IS PROVIDED
2. DOOR MAY NOT SWING INTO TOILET CLEAR FLOOR SPACE
3. PROVIDE ADA DOOR CLEARANCES FOR PUSH & PULL SIDE OF DOOR
4. LINE OF 6" TOE CLEARANCE MAY EXTEND UNDER TOILET PARTITIONS. IF SOLID WALLS ARE PROVIDED, ADDITIONAL CLEARANCE GREATER THAN 6" MUST BE PROVIDED WITHIN STALL

TYPICAL NOTE AT ALL STALLS:
REFER TO RESTROOM PLANS FOR CONFIGURATIONS, TYPICAL FIXTURE AND ACCESSORY SHEET FOR SPECIFICATIONS, AND TYPICAL FIXTURE AND ACCESSORY MOUNTING DIAGRAMS FOR HEIGHTS

TYPICAL STALL TYPES - FIXTURE AND ACCESSORY LOCATIONS



TOILET ACCESSORY LEGEND

◇	REFER TO TOILET ACCESSORY SCHEDULE SHEET FOR SPECS
T01	PAPER TOWEL / TRASH RECEPTACLE
T11	NAPKIN & TAMPON VENDOR
T21	SOAP DISPENSER - LAVATORY MOUNTED
T22	SOAP DISPENSER - WALL MOUNTED
T31	MIRROR
T41	TOILET PAPER DISPENSER
T51	SEAT COVER DISPENSER
T52	SANITARY NAPKIN DISPOSAL
T61	GRAB BAR - 36 INCH
T62	GRAB BAR - 42 INCH
T63	GRAB BAR - 30 INCH
T64	GRAB BAR - 12 INCH
T65	GRAB BAR - 48 INCH
T66	GRAB BAR - 18 INCH (WHEN REQUIRED BY AHJ)
T71	COAT / TOWEL HOOK
T72	SHOWER ROD (CURTAIN & HOOKS NOT SHOWN FOR CLARITY)
T73	SHOWER SEAT - FOLDING
T81	MOP & BROOM HOLDER
T82	BABY CHANGING STATION

PLUMBING FIXTURE LEGEND

⬡	REFER TO PLUMBING FIXTURE SCHEDULE SHEET FOR SPEC
DF1	DRINKING FOUNTAIN - HI-LO
FC1	FAUCET
FV1	FLUSH VALVE - TOILET
FV2	FLUSH VALVE - URINAL
MS1	MOP SINK WITH FAUCET
SH1	SHOWER - STANDARD
SH2	SHOWER - ACCESSIBLE
SK1	SINK - WALL MOUNT
SK2	SINK - UNDER MOUNT
TP1	TOILET PARTITIONS
UR1	URINAL - STANDARD
UR2	URINAL - ACCESSIBLE
WC1	TOILET - STANDARD
WC2	TOILET - ACCESSIBLE

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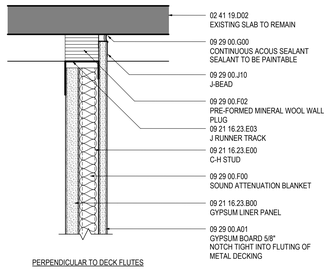

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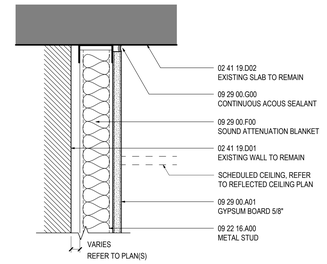

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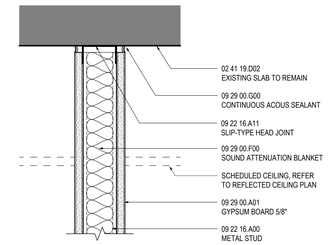

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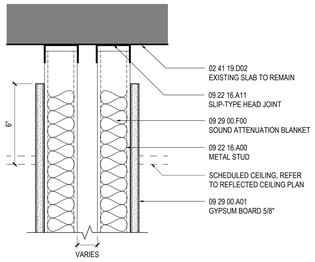

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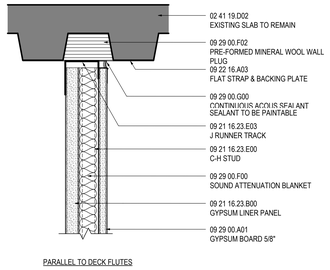

PARALLEL TO DECK FLUTES

17 H T011
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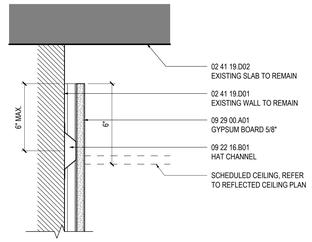

12 F T06
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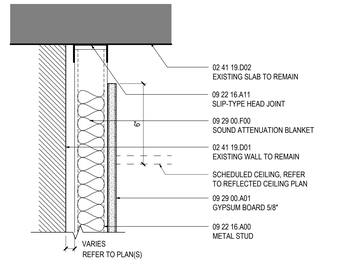

07 D T06
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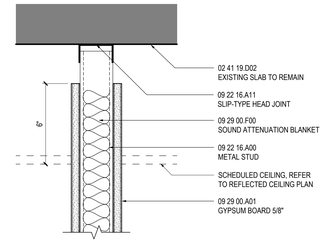


02 A T06
SCALE: 3" = 1'-0" REF: /

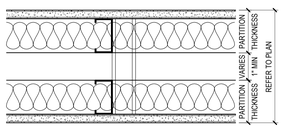
23 K B01
SCALE: 3" = 1'-0" REF: /

18 H B03
SCALE: 3" = 1'-0" REF: /

13 F B01
SCALE: 3" = 1'-0" REF: /

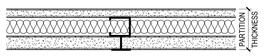
08 D B01
SCALE: 3" = 1'-0" REF: /

03 A B01
SCALE: 3" = 1'-0" REF: /



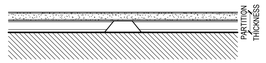
PARTITION TYPE MARK	FRAMING THK (IN)	FRAMING DEPTH	FRAMING SPACING	DETAILS TOP	DETAILS BOT	ATTEN THK	FIRE RTG	TESTED ASSEMBLY	STC RTG	SHEET NOTES
K3B	.0312"	3 5/8"	16"	K T06	K B01	3"				MOISTURE RESISTANT GYPSUM BOARD AT ALL WET AREAS

24 K SERIES PARTITION TYPES
SCALE: 3" = 1'-0" REF: /



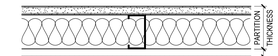
PARTITION TYPE MARK	FRAMING THK (IN)	FRAMING DEPTH	FRAMING SPACING	DETAILS TOP	DETAILS BOT	ATTEN THK	FIRE RTG	TESTED ASSEMBLY	STC RTG	SHEET NOTES
H5A		6"		H T11	H B03	5"				

19 H SERIES PARTITION TYPES
SCALE: 3" = 1'-0" REF: /



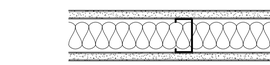
PARTITION TYPE MARK	FRAMING THK (IN)	FRAMING DEPTH	FRAMING SPACING	DETAILS TOP	DETAILS BOT	ATTEN THK	FIRE RTG	TESTED ASSEMBLY	STC RTG	SHEET NOTES
F0B	.0312"	7/8"	16"	F T06	F B01					

14 F SERIES PARTITION TYPES
SCALE: 3" = 1'-0" REF: /



PARTITION TYPE MARK	FRAMING THK (IN)	FRAMING DEPTH	FRAMING SPACING	DETAILS TOP	DETAILS BOT	ATTEN THK	FIRE RTG	TESTED ASSEMBLY	STC RTG	SHEET NOTES
D2B	.0312"	2 1/2"	16"	D T06	D B01					
D3A	.0312"	3 5/8"	16"	D T04	D B01					
D3B	.0312"	3 5/8"	16"	D T06	D B01					
D6A	.0312"	6"	16"	D T04	D B01					
D6B	.0312"	6"	16"	D T06	D B01					

09 D SERIES PARTITION TYPES
SCALE: 3" = 1'-0" REF: /



PARTITION TYPE MARK	FRAMING THK (IN)	FRAMING DEPTH	FRAMING SPACING	DETAILS TOP	DETAILS BOT	ATTEN THK	FIRE RTG	TESTED ASSEMBLY	STC RTG	SHEET NOTES
A3A	.0312"	3 5/8"	16"	A T04	A B01	3"				
A6A	.0312"	6"	16"	A T04	A B01	6"				
A6B	.0312"	6"	16"	A T04	A B01					

04 A SERIES PARTITION TYPES
SCALE: 3" = 1'-0" REF: /

PARTITION TYPE LEGEND

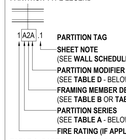


TABLE A- PARTITION SERIES CONSTRUCTION ASSEMBLY

SERIES	SHEATHING	FRAMING MEMBERS	SHEATHING
A	1-LAYER	METAL C STUD	1-LAYER
B	2-LAYERS	METAL C STUD	2-LAYERS
C	1-LAYER	METAL C STUD	2-LAYERS
D	1-LAYER	METAL C STUD	NONE
E	2-LAYERS	METAL C STUD	NONE
F	1-LAYER	MTL HAT CHANNEL	NONE
G	1-LAYER	NONE	NONE
H	1-LAYER	METAL C-H STUD	NONE
J	2-LAYERS	METAL C-H STUD	LINER PNL
K	1-LAYER	(2) METAL C STUD	1-LAYER
L	2-LAYERS	(2) METAL C STUD	2-LAYERS
M	NONE	CMU	NONE
N	1-LAYER	MTL C STUD + RC	1-LAYER
O	1-LAYER	WOOD STUD	1-LAYER
P	1-LAYER	WOOD STUD+RC	1-LAYER
Q	2-LAYERS	WOOD STUD+RC	2-LAYERS
R	1-LAYER	WOOD STUD	2- LAYERS
S	1-LAYER	WOOD STUD	NONE
T	2-LAYERS	WOOD STUD	NONE
U	1-LAYER	(2) WOOD STUDS	1-LAYER
V	2-LAYERS	(2) WOOD STUDS	2-LAYERS
W	1-LAYER	STAGGERED WD STUD	1-LAYER
X		SPECIAL	

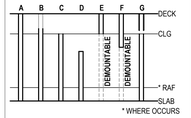
TABLE B- FRAMING DEPTH SCHEDULE

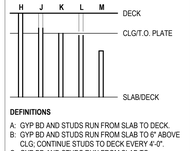
TAG NUMBER DESIGNATION	MTL STUD DEPTH	MTL C-H STUD DEPTH	WOOD STUD DEPTH
-	NO FRAMING		
0	7/8" FURRING	CHANNEL	N/A
1	1 5/8"	N/A	N/A
2	2 1/2"	2 1/2"	N/A
3	3 5/8"	N/A	N/A
4	4"	4"	4"
6	6"	6"	6"
8	8"	N/A	N/A
10	10"	N/A	N/A

TABLE C- MASONRY WIDTH SCHEDULE

TAG NUMBER DESIGNATION	CMU WIDTH
4	3 5/8"
6	5 5/8"
8	7 5/8"
10	9 5/8"
12	11 5/8"

TABLE D - PARTITION MODIFIER DIAGRAM



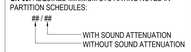


DEFINITIONS

A: GYP BD AND STUDS RUN FROM SLAB TO DECK.
B: GYP BD AND STUDS RUN FROM SLAB TO 6" ABOVE CLG; CONTINUE STUDS TO DECK EVERY 4'-0".
C: GYP BD AND STUDS RUN FROM SLAB TO UNDERSIDE OF CLG.
D: GYP BD AND STUDS RUN FROM SLAB TO DESIGNATED HEIGHT.
E: GYP BD AND STUDS RUN FROM CLG TO DECK WITH DEMOUNTABLE PARTITION BELOW WHERE OCCURS.
F: GYP BD AND STUDS RUN FROM DESIGNATED HEADER HEIGHT TO DECK WITH DEMOUNTABLE PARTITION BELOW WHERE OCCURS.
G: GYP BD AND STUDS RUN FROM SLAB TO UNDERSIDE OF CLG AND FROM CEILING TO DECK.
H: GYP BD AND STUDS RUN FROM RAF TO DECK.
J: GYP BD AND STUDS RUN FROM RAF TO 6" ABOVE CLG; CONTINUE STUDS TO DECK EVERY 4'-0".
K: GYP BD AND STUDS RUN FROM RAF TO UNDERSIDE OF CLG.
L: GYP BD AND STUDS RUN FROM RAF TO DESIGNATED HEIGHT.
M: GYP BD AND STUDS RUN FROM CLG TO DECK WITH DEMOUNTABLE PARTITION BELOW WHERE OCCURS.
N: GYP BD AND STUDS RUN FROM DESIGNATED HEADER HEIGHT TO DECK WITH DEMOUNTABLE PARTITION BELOW WHERE OCCURS.
P: GYP BD AND STUDS RUN FROM RAF TO UNDERSIDE OF CLG AND FROM CEILING TO DECK.

GENERAL NOTES

GN-01. PARTITION TYPES ARE NOT SEQUENTIAL.
GN-02. PARTITION SHEATHING TO BE 5/8"GYPSUM BOARD U.N.O.
GN-03. REFER TO 10 SERIES FOR TOP AND BOTTOM OF PARTITION CONDITIONS.
GN-04. PARTITIONS SHALL BE COORDINATED WITH SCHEDULED FINISHES FOR PARTITION LAYOUT AND REQUIRED CLEARANCES.
GN-05. PROVIDE BLOCKING IN PARTITIONS FOR WALL SUPPORTED ELEMENTS INCLUDING BUT NOT LIMITED TO ARCHITECTURAL WOODWORK, ACCESSORIES, FURNITURE, ART, AV VENDORS.
GN-06. FOR INTERIOR FRAMING LIMITING HEIGHTS REFER TO SSMA TABLES FOR INTERIOR NON-STRUCTURAL NON-COMPOSITE PARTITIONS
GN-07. CONTRACTOR TO CONFIRM STUD SIZING AND SPACING PER CRITERIA IN SPECIFICATIONS.
GN-08. PROVIDE 16 AND 18 GAUGE METAL FOR STRUCTURAL FRAMING; AND 20, 22, AND 25 GAUGE FOR NON-STRUCTURAL FRAMING. ADJUST GAUGE ACCORDINGLY FOR VERTICALLY SPANNING WALLS.
GN-09. REQUIRED MINIMUM STC RATING NOTED IN PARTITION SCHEDULES:



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Seal / Signature

△	Date	Description
	11/02/2023	100% DESIGN DEVELOPMENT
	01/05/2024	AREA 5 DEMOLITION MOBILIZATION
	01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
	06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
PARTITION TYPES

Scale
3" = 1'-0"

G5.001

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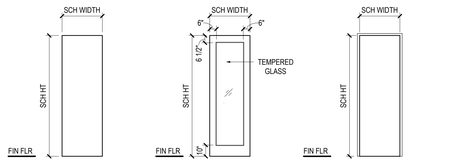
6/13/2024 4:02:12 PM Autodesk Docs://122.0076.500 - Alamo Site/122.0076.500 Phase 5 R22.rvt

DOOR SCHEDULE



F1: 08 11 13 FLUSH HOLLOW METAL

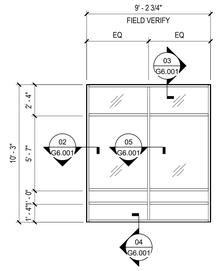
FF1: 08 11 13 FLUSH HOLLOW METAL

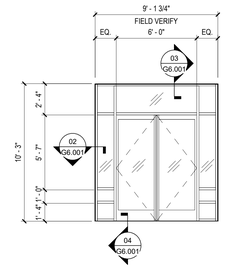
CO1: 08 11 13 HOLLOW METAL, CASED OPENING
CO3: 08 12 16 INTERIOR ALUM., CASED OPENING

DOOR SCHEDULE

		ASSEMBLY: DOOR					ASSEMBLY: FRAME						ASSEMBLY: RATING				
			DIMENSIONS				DETAILS										
NUMBER	LOCATION	TYPE	WIDTH	HEIGHT	THICKNESS	FINISH	HEAD	JAMB	SILL	MATERIAL	FINISH	FIRE RATING	TEMP RISE	SMOKE LABEL	HARDWARE SET	REMARKS
001	TICKETING	FF1	6' - 0"	7' - 11"	0' - 1 3/4"	GL / DARK BRONZE	03 / G6.001	02 / G6.001	04 / G6.001	ALUM	DARK BRONZE	0			REFER TO SPECIFICATIONS	
003	VESTIBULE	F1	3' - 0"	7' - 0"	0' - 1 3/4"	PT03	08 / G6.001	07 / G6.001		HM	PT03	0			REFER TO SPECIFICATIONS	
004	WOMEN'S RESTROOM	F1	3' - 0"	7' - 0"	0' - 1 3/4"	PT03	08 / G6.001	07 / G6.001		HM	PT03	0			REFER TO SPECIFICATIONS	
005	VESTIBULE	F1	3' - 0"	7' - 0"	0' - 1 3/4"	PT03	08 / G6.001	07 / G6.001	05 / A7.002	HM	PT03	0			REFER TO SPECIFICATIONS	
007	PUMP ROOM	F1	3' - 6"	8' - 0"	0' - 1 3/4"	PT03	08 / G6.001	07 / G6.001	05 / A7.002	HM	PT03	0			REFER TO SPECIFICATIONS	
008	PUMP ROOM	F1	3' - 6"	8' - 0"	0' - 1 3/4"	PT03	08 / G6.001	07 / G6.001	06 / A7.002	HM	PT03	0			REFER TO SPECIFICATIONS	
010	ELECTRICAL ELEVATOR CLOSET	F1	3' - 6"	8' - 0"	0' - 1 3/4"	PT04	08 / G6.001	07 / G6.001		HM	PT04	0			REFER TO SPECIFICATIONS	ADD ALT 1 - CONCEALED DOOR - 09 / G6.001 & 10 / G6.001
011	CPS	F1	6' - 0"	8' - 0"	0' - 1 3/4"	PT04	08 / G6.001	07 / G6.001		HM	PT04				REFER TO SPECIFICATIONS	ADD ALT 1 - CONCEALED DOOR - 09 / G6.001 & 10 / G6.001

STOREFRONT ELEVATIONS





06 OPENING - W02

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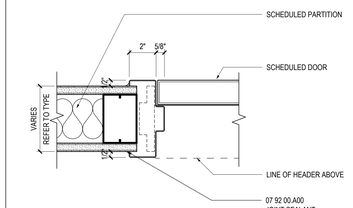

01 OPENING - W01

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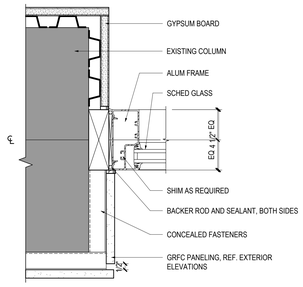
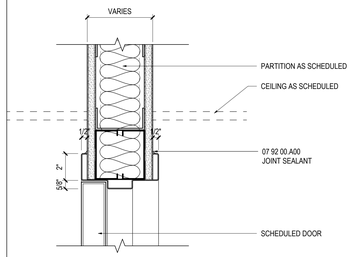


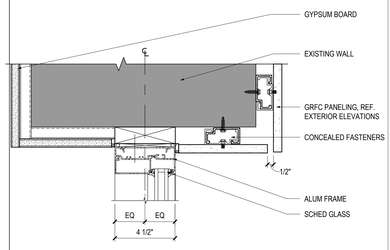
07 HM FRAME JAMB

SCALE: 3" = 1'-0" REF: /



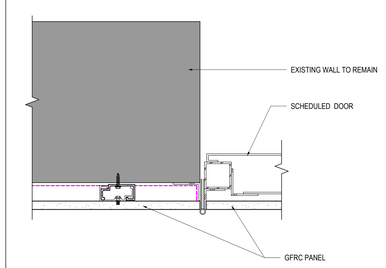
02 ALUM GLAZING JAMB

SCALE: 3" = 1'-0" REF: 01 / G6.001



08 HM FRAME HEAD

SCALE: 3" = 1'-0" REF: /



03 ALUM GLAZING HEAD

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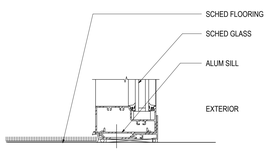
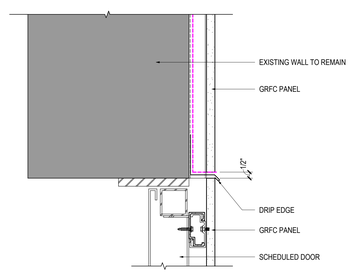


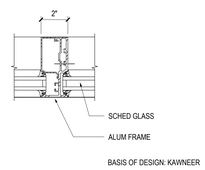
09 ADD ALT 01 - CONCEALED DOOR JAMB

SCALE: 3" = 1'-0" REF: /



04 ALUM GLAZING SILL

SCALE: 3" = 1'-0" REF: 01 / G6.001



10 ADD ALT 01 - CONCEALED DOOR HEAD

SCALE: 3" = 1'-0" REF: /

05 ALUM DOOR JAMB - THIN STILE

SCALE: 3" = 1'-0" REF: 06 / G6.001

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Date	Description
11/02/2023	100% DESIGN DEVELOPMENT
01/05/2024	AREA 5 DEMOLITION MOBILIZATION
01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
DOOR, FRAME, AND HARDWARE SCHEDULES

Scale
As indicated

G6.001

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TOILET ACCESSORY SCHEDULE

TP1 TOILET PARTITION - ADA
TP1

SPECIFICATION SECTION: 10 21 13
MANUFACTURER: ASI GROUP
PRODUCT NAME: BLACK CORE PHENOLIC PARTITIONS
TYPE: CEILING HUNG
COLOR: TAUPE #9096
LOCATION: REF. TO PLANS AND ELEVATIONS
NOTES: STAINLESS STEEL HARDWARE

T8 SINK TRAP COVER
T8

SPECIFICATION SECTION: 10 28 00
MANUFACTURER: LA CAVA
PRODUCT NUMBER: #RA098
FINISH: 21 BRUSHED STAINLESS STEEL
SIZE: 4 5/8" W X 4 3/4" D X 11 3/4" H
LOCATION: REF. TO PLANS AND ELEVATIONS
NOTES: GC TO MONITOR FOR ADA COMPLIANCE AT INSTALL

TP2 TOILET PARTITION
TP2

SPECIFICATION SECTION: 10 21 13
MANUFACTURER: ASI GROUP
PRODUCT NAME: BLACK CORE PHENOLIC PARTITIONS
TYPE: CEILING HUNG
COLOR: TAUPE #9096
LOCATION: REF. TO PLANS AND ELEVATIONS
NOTES: STAINLESS STEEL HARDWARE

T10 MOP AND BROOM HOLDER
T10

SPECIFICATION SECTION: 10 28 00
MANUFACTURER: BOBRICK WASHROOM EQUIPMENT INC.
PRODUCT NAME: SHELF WITH 4 MOP AND BROOM HOLDERS AND 3 HOOKS
PRODUCT NUMBER: B-224
FINISH: STAINLESS STEEL
SIZE: 36" W X 6" H X 8" D
LOCATION: JANITOR'S CLOSET

TP3 URINAL PARTITION
TP3

SPECIFICATION SECTION: 10 21 13
MANUFACTURER: ASI GROUP
PRODUCT NAME: PHENOLIC URINAL SCREEN
TYPE: CEILING HUNG
COLOR: TAUPE #9096
LOCATION: REF. TO PLANS AND ELEVATIONS

T11 COMBINATION TOWEL/WASTE UNIT
T11

SPECIFICATION SECTION: 10 28 00
MANUFACTURER: BOBRICK WASHROOM AND ACCESSORIES
PRODUCT NAME: RECESSED PAPER TOWEL DISPENSER AND WASTE RECEPTACLE
PRODUCT NUMBER: B-38034
FINISH: STAINLESS STEEL, SATIN
LOCATION: RESTROOMS

T1 PARTITION MOUNTED DUAL TISSUE / SEAT COVER - MEN'S
T1

SPECIFICATION SECTION: 10 28 00
MANUFACTURER: ASI GROUP
PRODUCT NUMBER: 0484-HC
FINISH: STAINLESS STEEL
LOCATION: MEN'S RESTROOM AT PARTITION STALLS
NOTES: DUAL ACCESS

T3 SOAP DISPENSER - AUTOMATIC LAVATORY MOUNTED
T3

SPECIFICATION SECTION: 10 28 00
MANUFACTURER: SLOAN
PRODUCT NAME: SLOAN DECK-MOUNTED FOAM SOAP DISPENSER
PRODUCT NUMBER: ESD-410
FINISH: BRUSHED STAINLESS
UTILITY REQUIREMENTS: BATTERY OPERATED
LOCATION: RESTROOMS

T4.1 GRAB BAR - 36 INCHES
T4.1

SPECIFICATION SECTION: 10 28 00
MANUFACTURER: BOBRICK WASHROOM AND ACCESSORIES
PRODUCT NAME: STRAIGHT GRAB BAR
PRODUCT NUMBER: B-5806
FINISH: STAINLESS STEEL, SATIN
SIZE: 1 1/4" DIAMETER X 36"
LOCATION: ADA RESTROOMS

T4.2 GRAB BAR - 42 INCHES
T4.2

SPECIFICATION SECTION: 10 28 00
MANUFACTURER: BOBRICK WASHROOM AND ACCESSORIES
PRODUCT NAME: STRAIGHT GRAB BAR
PRODUCT NUMBER: B-5806
FINISH: STAINLESS STEEL, SATIN
SIZE: 1 1/4" DIAMETER X 42"
LOCATION: ADA RESTROOMS

T5 MIRROR
T5

SPECIFICATION SECTION: 08 83 00
MANUFACTURER: TBD
PRODUCT NAME: TBD
COLOR: TBD
SIZE: 42" H x 144" L
LOCATION: REF. TO PLANS

T6 CLOTHES HOOK
T6

SPECIFICATION SECTION: 10 28 00
MANUFACTURER: BOBRICK WASHROOM EQUIPMENT
PRODUCT NAME: CLOTHES HOOK WITH CONCEALED MOUNTING
PRODUCT NUMBER: B-2116
FINISH: STAINLESS STEEL
SIZE: 2-3/4" DIAMETER BY PROJECTION 3-7/16"
LOCATION: REF. TO PLANS

T7 PARTITION MOUNTED DUAL TISSUE / SEAT COVER / SANITARY DISPENSER
T7

SPECIFICATION SECTION: 10 28 00
MANUFACTURER: ASI GROUP
PRODUCT NUMBER: 0481
FINISH: STAINLESS STEEL
LOCATION: WOMEN'S RESTROOM AT TOILET PARTITION STALLS
NOTES: DUAL ACCESS

PLUMBING FIXTURE SCHEDULE

P-1 WATER CLOSET - AUTOMATIC FLUSH
P-1

SPECIFICATION SECTION: DIVISION 22
TYPE: STAINLESS STEEL
FINISH: WHITE POWDERCOAT
UTILITY REQUIREMENTS: WATER LINE, DRAIN LINE
LOCATION: RESTROOMS

P-1A ACCESSIBLE WATER CLOSET - AUTOMATIC FLUSH
P-1A

SPECIFICATION SECTION: DIVISION 22
TYPE: STAINLESS STEEL
FINISH: WHITE POWDERCOAT
UTILITY REQUIREMENTS: WATER LINE, DRAIN LINE
LOCATION: RESTROOMS
NOTES: 15" SEAT HEIGHT MAX FOR ADA COMPLIANCE

P-2 URINAL - STANDARD
P-2

SPECIFICATION SECTION: DIVISION 22
TYPE: STAINLESS STEEL
FINISH: WHITE POWDERCOAT
UTILITY REQUIREMENTS: WATER LINE, DRAIN LINE
LOCATION: RESTROOMS

P-2A ACCESSIBLE URINAL - STANDARD
P-2A

SPECIFICATION SECTION: DIVISION 22
TYPE: STAINLESS STEEL
FINISH: WHITE POWDERCOAT
UTILITY REQUIREMENTS: WATER LINE, DRAIN LINE
LOCATION: RESTROOMS
NOTES: 17" RIM HEIGHT FOR ADA COMPLIANCE

P-3 SINK
P-3

SPECIFICATION SECTION: DIVISION 22
MANUFACTURER: CORIAN
PRODUCT NAME: FUTRUS AQUAGUARD SINK
TYPE: INTEGRAL TROUGH SINK
COLOR: TBD
SIZE: 144" L x 24" D
UTILITY REQUIREMENTS: WATER LINE, DRAIN LINE
LOCATION: RESTROOMS

P-4 FLOOR MOUNTED MOP SINK
P-4

SPECIFICATION SECTION: DIVISION 22
MANUFACTURER: PROFLO
PRODUCT NUMBER: PFMB3624S
COLOR: WHITE
SIZE: 36" W X 24" L X 10" D
UTILITY REQUIREMENTS: WATER LINE, DRAIN LINE
LOCATION: JANITOR'S CLOSET
NOTES: INCLUDE PFBG24S AND PFBG36S BUMPER GUARDS

P-5 FAUCET - AUTOMATIC LAVATORY
P-5

SPECIFICATION SECTION: DIVISION 22
MANUFACTURER: SLOAN
PRODUCT NAME: OPTIMA BATTERY-POWERED DECK-MOUNTED LOW BODY
PRODUCT NUMBER: ETF-415
FINISH: BRUSHED STAINLESS
UTILITY REQUIREMENTS: BATTERY OPERATED, WATER LINE, DRAIN LINE
LOCATION: RESTROOMS

P-6 DRINKING FOUNTAIN - HI-LO
P-6

SPECIFICATION SECTION: DIVISION 22
ITEM: DRINKING FOUNTAIN
MANUFACTURER: ELKAY
PRODUCT NAME: TWO STATION WALL MOUNT WATER COOLERS BARRIER-FREE ACCESS
PRODUCT NUMBER: LZSTL8WSLP
TYPE: HI-LOW
UTILITY REQUIREMENTS: WATER LINE, DRAIN LINE
FURNISHED BY: CONTRACTOR
INSTALLED BY: CONTRACTOR
LOCATION: REF. TO PLANS
NOTES: WITH LKAPREZL-ELKAY CANE APRON FOR EZ GRAY / CONFIRM CHILLER AND FILTER SPECIFICATIONS

P-7 SERVICE HOSE
P-7

SPECIFICATION SECTION: DIVISION 22
MANUFACTURER: PROFLO
PRODUCT NUMBER: PFSHE
UTILITY REQUIREMENTS: WATER LINE,
LOCATION: JANITOR'S CLOSET

EXTERIOR MATERIALS

ST04 ULTRA HIGH PERFORMANCE CONCRETE (UPHC) PANELS
ST04

SPECIFICATION SECTION: 07 42 47
MANUFACTURER: TAKTL
PRODUCT NAME: STANDARD
MATERIAL: FIBER CEMENT
FINISH: ROUGH 2 MEDIABLAST
SIZE: 6"x48" STAGGERED
INSTALLATION: CONCEALED FASTENERS
FINISH TREATMENT: MICROSEAL
COLOR NAME: SAND 72 VARIATION
INSTALLED BY: TAKTL
LOCATION: EXTERIOR WALL
NOTES: REF. TO ELEVATIONS AND DETAILS FOR CUSTOM LAYOUT

MT04 DECORATIVE METAL
MT04

SPECIFICATION SECTION: 05 75 00
MANUFACTURER: MOZ
PRODUCT NAME: MOZ
MATERIAL: CLASSIC MEDIUM BRONZE FOG FLAT
FINISH: TBD
THICKNESS: .040"
LOCATION: EXTERIOR WALLS
NOTES: REF. TO ELEVATIONS AND DETAILS

MT05 DECORATIVE METAL CHAIN CLADDING
MT05

SPECIFICATION SECTION: 05 70 00
MANUFACTURER: KRISKADECOR
MATERIAL: ALUMINUM
FINISH: BRILLIANT/SATIN
NAME / NO. / COLOR: COFFEE #20021 #20221/ BROWN #20006 #20206/ APRICOT #20020 #20220 /AMETHYST #20026 #20226
INSTALLED BY: TBD
LOCATION: BRIDGE CEILING
NOTES: REF. TO RCP, ELEVATIONS, AND DETAILS FOR CUSTOM LAYOUT

MT06 STANDING SEAM METAL ROOF PANELS
MT06

SPECIFICATION SECTION: 07 41 13.16
MANUFACTURER: BERRIDGE
TYPE: DOUBLE-LOCK ZEE-LOCK
COLOR: DARK BRONZE OR MATCH MT04
FINISH: TWO COAT FLUOROPOLYMER
WIDTH: 16" NOMINAL WIDTH PANEL
LOCATION: EXTERIOR ROOF AND CANOPY
NOTES: REF. TO ELEVATION AND DETAILS

MT07 METAL SOFFIT PANELS
MT07

SPECIFICATION SECTION: 07 41 13.13
MANUFACTURER: BERRIDGE
TYPE: THIN LINE OR COMPARABLE
COLOR: DARK BRONZE OR MATCH MT04
FINISH: SMOOTH, TWO COAT FLUOROPOLYMER
CONSTRUCTION: CONCEALED
WIDTH: 3 5/8" NOMINAL WIDTH PANEL
LOCATION: EXTERIOR CANOPY SOFFIT
NOTES: REF. TO ELEVATION AND DETAILS

ST02 STONE FLOORING
ST02

SPECIFICATION SECTION: 09 63 40
TYPE: LIMESTONE
SOURCE: APEX STONE
FINISH: HONED AND SEALED
SIZE: 12" X 24"
INSTALLATION METHOD: [TCNA F111] [TCNA F113] [TCNA F113A] [MEDIUM SET] <INSERT METHOD>
LOCATION: FIELD TILE
NOTES: REF. FINISH PLANS

ELEVATOR MATERIALS

MT10 DECORATIVE METAL
MT10

SPECIFICATION SECTION: 14 21 00
MATERIAL: STAINLESS STEEL 304
FINISH: BRUSHED
LOCATION: REF. TO ELEVATOR CAB DRAWINGS
NOTES: ANTI-GRAFFITI, ANTI-VANDALISM FINISH.

MT11 DECORATIVE METAL
MT11

SPECIFICATION SECTION: 14 21 00
MANUFACTURER: KONE
MATERIAL: TEXTURED STAINLESS STEEL
FINISH: FLEMISH LINEN
LOCATION: REF. TO ELEVATOR CAB DRAWINGS
NOTES: ANTI-GRAFFITI, ANTI-VANDALISM FINISH.

INTERIOR MATERIALS

TL06 TILING
TL06

SPECIFICATION SECTION: 09 30 00
MANUFACTURER: DALTILE
PRODUCT NAME: PORTFOLIO
TYPE: PORCELAIN FLOOR TILE
COLOR: CREAM
SIZE: 4" X 12"
THICKNESS: 5/16"
JOINT WIDTH: 3/16"
GROUT MFR AND COLOR: MAPEI EXPOXY - 5039 IVORY
FLAME SPREAD INDEX / RESISTANCE: CLASS A
LOCATION: WALL BASE AT PUBLIC AREAS
NOTES: CUT TILE TO BE 4" X 12", REF. FINISH PLANS.

PT02 INTERIOR PAINTING
PT02

SPECIFICATION SECTION: 09 91 23
MANUFACTURER: BENJAMIN MOORE
COLOR NUMBER: OC-57
COLOR NAME: WHITE HERON
GLOSS: FLAT
LOCATION: CEILING PAINT
NOTES: MOISTURE-RESISTANT

PT03 INTERIOR PAINTING
PT03

SPECIFICATION SECTION: 09 91 23
MANUFACTURER: BENJAMIN MOORE
COLOR NUMBER: 987
COLOR NAME: BUCKHORN
GLOSS: SEMI-GLOSS
LOCATION: HOLLOW METAL DOORS
NOTES: REFER TO DOOR SCHEDULE

PT04 INTERIOR PAINTING
PT04

SPECIFICATION SECTION: 09 91 23
MANUFACTURER: BENJAMIN MOORE
COLOR NUMBER: 235
COLOR NAME: OAK RIDGE
GLOSS: SEMI-GLOSS
LOCATION: EXTERIOR HOLLOW METAL DOORS
NOTES: REFER TO DOOR SCHEDULE

RB01 RESILIENT WALL BASE AND ACCESSORIES
RB01

SPECIFICATION SECTION: 09 65 13
MANUFACTURER: TARKETT
PRODUCT NAME: JOHNSONITE BASEWORKS RUBBER BASE
COLOR: SNOWBOUND
SIZE: 4 INCHES
LOCATION: RUBBER BASE AT BOH
NOTES: REF. TO FINISH PLANS AND ELEVATIONS

RS01 STATIC-CONTROL RESILIENT SHEET FLOORING
RS01

SPECIFICATION SECTION: 09 65 36
MANUFACTURER: NORA BY INTERFACE
PRODUCT NAME: NORAPLAN SENTICA ED
PRODUCT NUMBER: 6520
COLOR: SNOW DAY
SIZE: CUSTOM TO FIT
THICKNESS: .08"
LOCATION: IT CLOSET

SO02 SOLID SURFACE COUNTERS
SO02

SPECIFICATION SECTION: 12 36 61
MANUFACTURER: CORIAN
PRODUCT NAME: SOLID SURFACE
COLOR: CAMEO WHITE
FLAME SPREAD INDEX / RESISTANCE: CLASS A
LOCATION: CHANGING STATION AT RESTROOMS
NOTES: TO MATCH CONCRETE SINK

TL02 TILING
TL02

SPECIFICATION SECTION: 09 30 00
MANUFACTURER: DALTILE
PRODUCT NAME: KEYSTONES
TYPE: 2" HEXAGON MOSAIC, RANDOM BLEND PATTERN
MATERIAL: COLORBODY PORCELAIN MOSAICS
COLOR: TILE 1 (50%): D617 ARCTIC WHITE. TILE 2 (50%): D117 MOONSHINE.
SIZE: 12" X 24" SHEET
THICKNESS: 1/4"
GROUT MFR AND COLOR: MAPEI EPOXY - 5093 WARM GRAY.
FLAME SPREAD INDEX / RESISTANCE: CLASS A
LOCATION: DRINKING FOUNTAIN WALL
NOTES: REF. TO ELEVATIONS

TL03 TILING
TL03

SPECIFICATION SECTION: 09 30 00
MANUFACTURER: DALTILE
PRODUCT NAME: AVERY
COLOR: WHITE
SIZE: 12" X 24"
THICKNESS: 5/16"
JOINT WIDTH: 3/16"
GROUT MFR AND COLOR: MAPEI EPOXY - 5093 WARM GRAY
FLAME SPREAD INDEX / RESISTANCE: CLASS A
LOCATION: FIELD WALL TILE AT RESTROOMS

TL04 TILING
TL04

SPECIFICATION SECTION: 09 30 00
MANUFACTURER: DALTILE
PRODUCT NAME: KEYSTONES
PRODUCT NUMBER: SP8135
TYPE: 1 X 1 SQUARE
MATERIAL: COLORBODY PORCELAIN MOSAICS
COLOR: TILE 1 (28%): TBD. TILE 2 (53%): D117 MOONSHINE. TILE 3 (19%): D617 ARCTIC WHITE.
SIZE: 12" X 24" SHEET
THICKNESS: 1/4"
GROUT MFR AND COLOR: MAPEI EPOXY - 5093 WARM GRAY.
FLAME SPREAD INDEX / RESISTANCE: CLASS A
LOCATION: ACCENT WALL TILE AT RESTROOMS
NOTES: REF. TO ELEVATIONS

TL05 TILING
TL05

SPECIFICATION SECTION: 09 30 00
MANUFACTURER: DALTILE
PRODUCT NAME: PORTFOLIO
TYPE: PORCELAIN FLOOR TILE
COLOR: CREAM
SIZE: 12" X 24"
THICKNESS: 5/16"
INSTALLATION PATTERN: 1/3 RUNNING BOND
JOINT WIDTH: 3/16"
GROUT MFR AND COLOR: MAPEI EXPOXY - 5039 IVORY
FLAME SPREAD INDEX / RESISTANCE: CLASS A
LOCATION: FIELD FLOOR TILE
NOTES: REF. TO FINISH PLANS

CL01 ACOUSTICAL PANEL CEILINGS
CL01

SPECIFICATION SECTION: 09 51 13
MANUFACTURER: ARMSTRONG
PRODUCT NAME: ULTIMA
PRODUCT NUMBER: 1910
COLOR: WHITE
SIZE: 24" X 24"
PANEL EDGE: SQUARE, LAY-IN
GRID SYSTEM: 15/16" PRELUDE SUSPENSION SYSTEM, BLIZZARD WHITE FINISH
FLAME SPREAD INDEX / RESISTANCE: CLASS A
LOCATION: GENERAL CEILING TILE

CL02 GYPSUM BOARD CEILING
CL02

SPECIFICATION SECTION: 09 29 00
FINISH: FLAT
FLAME SPREAD INDEX / RESISTANCE: CLASS A
LOCATION: REFER TO RCP
NOTES: TO BE SAG-RESISTANT

CO01 SEALED CONCRETE
CO01

SPECIFICATION SECTION: 09 61 23
MANUFACTURER: TBD
MATERIAL: SEALED CONCRETE
COLOR: TBD
SHEEN: FLAT
LOCATION: GENERAL FLOOR AT BOH

GL10 GLAZING
GL10

SPECIFICATION SECTION: 08 80 00
ITEM: VISION GLASS IGU ASSEMBLY (SEE SPECIFICATION FOR ASSEMBLY)
TYPE: BASIS OF DESIGN LOW-E COATING UNIT WITH LOW IRON GLASS
MATERIAL: EXTERIOR INSULATED GLAZING UNIT WITH LOW IRON GLASS
SUPPLIER: TBD
LOCATION: EXISTING PUNCHED OPENINGS

MT02 METAL TRIM
MT02

SPECIFICATION SECTION: 05 70 00
MANUFACTURER: FRY REGLET
PRODUCT NAME: Z REVEAL
PRODUCT NUMBER: DRMZ-50-50
MATERIAL: ALUMINUM
FINISH: TBD
LOCATION: EDGE REVEAL AT MILLWORK PORTALS
NOTES: REF. TO ELEVATIONS AND DETAILS

PL02 PLASTIC LAMINATE - INT ARCHITECTURAL WOODWORK
PL02

SPECIFICATION SECTION: 06 40 23
MANUFACTURER: WILSONART
PRODUCT NAME: WILSONART THERMALLY FUSED LAMINATE
COLOR: NEOWALNUT
FINISH: FINE VELVET TEXTURE
LOCATION: RESTROOM MILLWORK
NOTES: MOISTURE RESISTANT MDF

PL03 PLASTIC LAMINATE - INT ARCHITECTURAL WOODWORK
PL03

SPECIFICATION SECTION: 06 40 23
MANUFACTURER: WILSONART
PRODUCT NAME: WILSONART COMPACT LAMINATE
COLOR: NEOWALNUT
FINISH: FINE VELVET TEXTURE
LOCATION: LOBBY PORTALS
NOTES: MOISTURE RESISTANT MDF

PP01 PLASTIC PANELING
PP01

SPECIFICATION SECTION: 06 64 00
PRODUCT NAME: FIBERLITE FRP WALL PANELS
PRODUCT NUMBER: LP-S9-FR
MATERIAL: NUDO
FINISH: SMOOTH
SIZE: 4' X 3' PANEL
THICKNESS: 0.090"
NAME / NO. / COLOR: SMOOTH WHITE 151
FLAME SPREAD INDEX / RESISTANCE: CLASS A FIRE RATING
NOTES: JANITOR MOP SINK

PT01 INTERIOR PAINTING
PT01

SPECIFICATION SECTION: 09 91 23
MANUFACTURER: BENJAMIN MOORE
COLOR NUMBER: 2143-70
COLOR NAME: SIMPLY WHITE
GLOSS: EGGSHELL
LOCATION: FIELD PAINT
NOTES: MILDEW RESISTANT

FINISH LEGEND

CL##	ACOUSTICAL PANEL CEILINGS
CL##	LINEAR WOOD CEILINGS
CO##	POLISHED CONCRETE
CO##	SEALED CONCRETE
CO##	HIGH-PERFORMANCE COATINGS
DP##	DECORATIVE PLASTER
FA##	FLUID-APPLIED RESINOUS FLOORING
GL##	GLAZING
GL##	DECORATIVE GLAZING
IS##	VISUAL DISPLAY UNITS
MT##	DECORATIVE METAL
PL##	PLASTIC LAMINATE
PP##	PLASTIC PANELING
PR##	WALL AND DOOR PROTECTION
PT##	EXTERIOR PAINTING
PT##	INTERIOR PAINTING
RB##	RESILIENT WALL BASE AND ACCESSORIES
RS##	STATIC-CONTROL RESILIENT SHEET FLOORING
RT##	RESILIENT TILE FLOORING
RT##	STATIC-CONTROL RESILIENT TILE FLOORING
SC##	SIMULATED STONE COUNTERTOPS
SO##	SOLID SURFACE COUNTERTOPS
ST##	STONE COUNTERTOPS
ST##	STONE FACING
ST##	STONE FLOORING
ST##	STONE TILING
TL##	TILING
UM##	UNIT MASONRY
WC##	WALL COVERINGS
WD##	WOOD

NOTES:
1. ALL ITEMS LISTED ABOVE MAY NOT BE USED.
2. LOCATIONS NOTED IN SCHEDULE DO NOT INDICATE ALL LOCATIONS. SEE DRAWINGS FOR EXTENT OF WORK.

GENERAL NOTES

A. RE: G0 SHEET SERIES FOR LEGENDS, SYMBOLS AND ABBREVIATIONS.
B. RE: G7.001 FOR FINISH CODES.
C. ENSURE SURFACES TO RECEIVE FINISHES ARE CLEAN, TRUE, AND FREE OF IRREGULARITIES. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
D. REPAIR EXISTING SURFACES TO REMAIN AS REQUIRED FOR APPLICATION OF NEW FINISHES.
E. PROVIDE STRAIGHT, FLUSH RESILIENT BASE AT CARPETED AREAS, AND COVED, TOP SET RESILIENT BASE AT RESILIENT OR CONCRETE FLOORING, UNO
F. PROVIDE LEVEL 4 GYP BOARD FINISH ON ALL PARTITIONS, UNO
G. PROVIDE MINIMUM 3-COAT PAINT SYSTEMS FOR EACH SUBSTRATE, UNO
H. PROVIDE PAINT "PT01", EGGSHELL SHEEN ON ALL WALLS, UNO
I. PROVIDE RESILIENT BASE "RB01", UNO
J. PAINT ALL DRYWALL CEILINGS "PT02", FLAT SHEEN, UNO
K. PAINT ALL OPEN PLENUM SPACE, INCLUDING DUCTWORK, CONDUIT AND OTHER EQUIPMENT "PT01" DRYFALL, UNO
L. RE: DOOR SCHEDULE FOR COLOR OF DOORS AND FRAMES.
M. RE: ELEVATIONS FOR MILLWORK FINISHES.
N. RE: A7 SERIES FOR FLOORING TRANSITION DETAILS. COORDINATE TRANSITIONS WITH ARCHITECT.
O. PROVIDE ALL "FEC" IN FACTORY WHITE FINISH, UNO

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Seal / Signature

△	Date	Description
	11/02/2023	100% DESIGN DEVELOPMENT
	01/05/2024	AREA 5 DEMOLITION MOBILIZATION
	01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
	06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
FINISH SCHEDULE

Scale

G7.001

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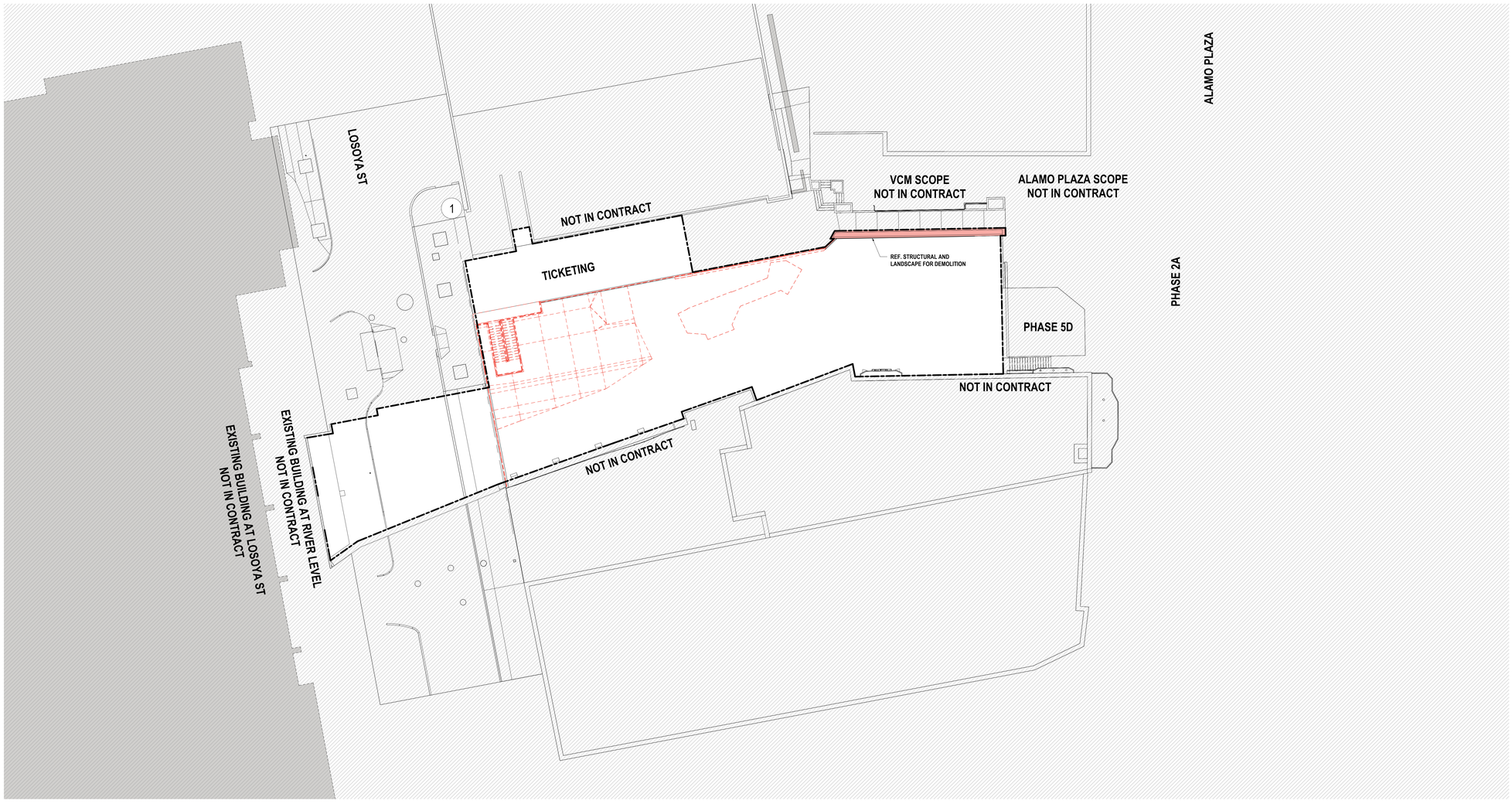

01 ARCHITECTURAL SITE PLAN - DEMOLITION

SCALE: 1/16" = 1'-0"

REF: 02 / 5B - D2.000

GENERAL NOTES

A. RE: G0.010 SHEET SERIES FOR LEGENDS, SYMBOLS AND ABBREVIATIONS.
B. FOR CONSTRUCTION PLAN AND OTHER PLAN REFERENCES, RE: A1 SHEET SERIES.
C. COORDINATE WITH PROPERTY MANAGER FOR STORAGE AND RETURN OF SALVAGED ITEMS TO BUILDING OWNER FOR FUTURE REUSE. COORDINATE WITH PROPERTY MANAGER FOR ITEMS REQUIRED.
D. REMOVE EXISTING INTERIOR PARTITIONS, DOORS, FRAMES, HARDWARE, FLOOR AND WALL FINISHES, LIGHTS AND CEILING SYSTEMS NOT SHOWN TO REMAIN OR AS REQUIRED FOR NEW WORK.
E. REMOVE EXISTING COMMUNICATIONS CABLING NOT SHOWN TO REMAIN ON CONSULTANT'S PLANS OR AS REQUIRED FOR NEW WORK.
F. REMOVE EXISTING MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEMS NOT SHOWN TO REMAIN ON CONSULTANT'S PLANS OR AS REQUIRED FOR NEW WORK.
G. PATCH, REPAIR, AND PREPARE ALL AFFECTED AREAS IN PREPARATION FOR NEW WORK.
H. ERECT AND MAINTAIN DUSTPROOF PARTITIONS AS REQUIRED TO PREVENT SPREAD OF DUST, FUMES, AND SMOKE, ETC. TO OTHER PARTS OF THE BUILDING. UPON COMPLETION, REMOVE PARTITIONS AND REPAIR DAMAGED SURFACES TO MATCH ADJACENT SURFACES.
I. IF DEMOLITION IS PERFORMED IN EXCESS OF THAT REQUIRED, RESTORE AFFECTED AREAS AT NO COST TO THE OWNER.
J. REMOVE FROM SITE DAILY AND LEGALLY DISPOSE OF REFUSE, DEBRIS, RUBBISH, AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS.
K. REMOVE EXISTING FLOOR FINISHES AND PREPARE SUBFLOOR AS REQUIRED FOR NEW FLOOR FINISHES.
L. PROVIDE AND MAINTAIN BARRICADES, LIGHTING, AND GUARDRAILS AS REQUIRED BY APPLICABLE CODES AND REGULATIONS TO PROTECT OCCUPANTS OF BUILDING AND OTHER WORKERS.
M. DEMO ALL CEILING ACCESSORIES IN THE DELINEATED AREA UNLESS NOTED OTHERWISE.
N. REF. STRUCTURAL DOCUMENTS FOR SELECTIVE ELEMENT REMOVAL AND REQUIRED SHORING OF ELEMENTS.
O. FIELD VERIFY ALL EXISTING OPENINGS IN EXISTING WALLS PRIOR TO CUTTING.
P. REFER TO STRUCTURAL FOR DEMOLITION SEQUENCING AND EXTENT OF SHORING WORK.
Q. PROVIDE CONTINUOUS EGRESS ACCESS FOR PUBLIC. PROVIDE EGRESS PLAN TO OWNER/ARCHITECT FOR APPROVAL PRIOR TO DEMOLITION.

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Date	Description
08/10/2023	100% SCHEMATIC DESIGN
09/07/2023	DEMOLITION PACKAGE FOR ARCHAEOLOGICAL PERMIT - WESTERN SCOPE
11/02/2023	100% DESIGN DEVELOPMENT
01/05/2024	AREA 5 DEMOLITION MOBILIZATION
01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
OVERALL DEMOLITION PLAN

Scale
1/16" = 1'-0"

5B - D1.100

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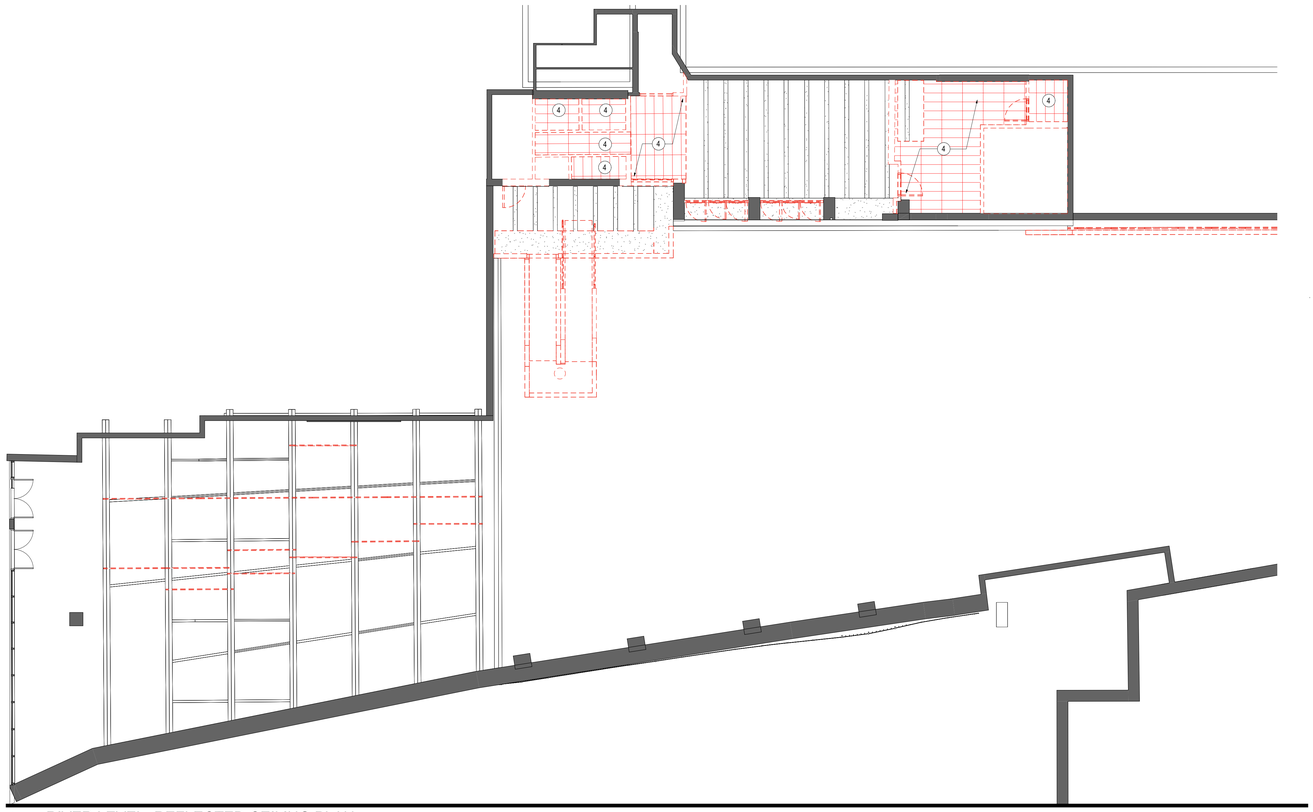
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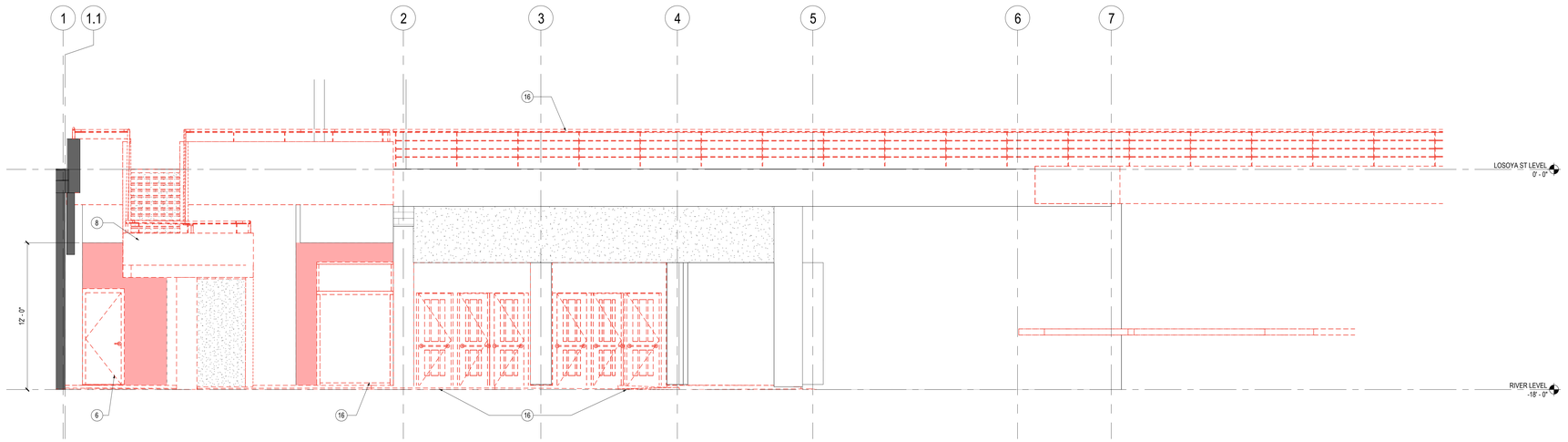
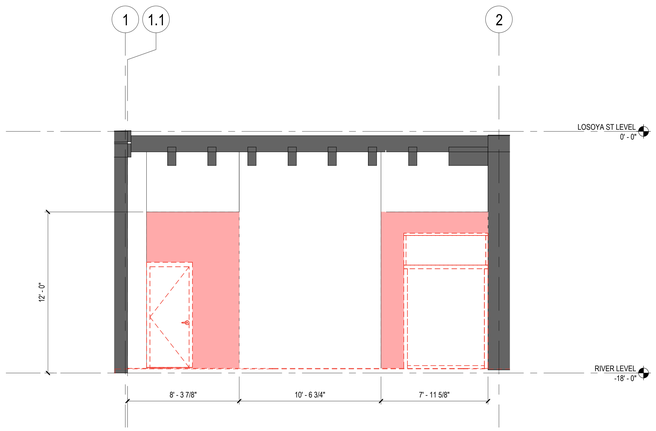


01 RIVER LEVEL - NORTH DEMO

SCALE: 1/4" = 1'-0"

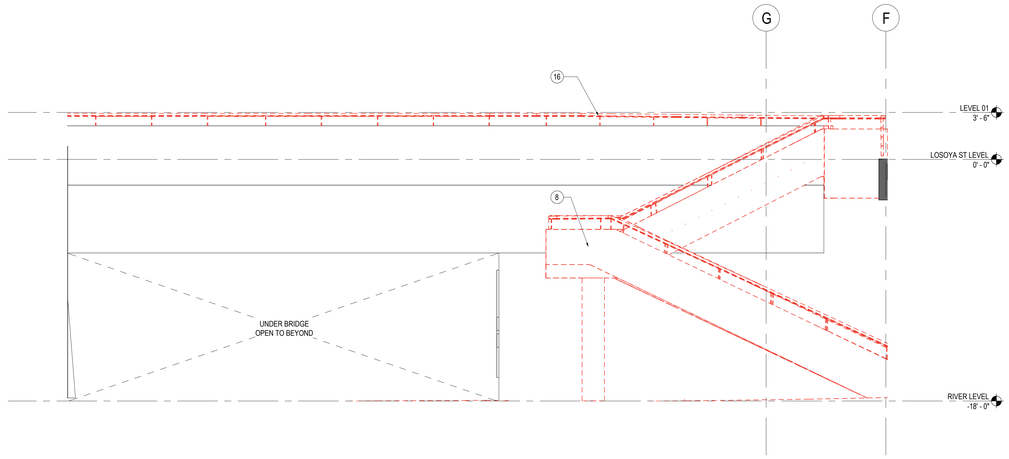
REF: 01 / 5B - D1.101



03 RIVER LEVEL - SECTION DEMOLITION

SCALE: 1/4" = 1'-0"

REF: /



02 RIVER LEVEL - WEST ELEVATION

SCALE: 1/4" = 1'-0"

REF: 01 / 5B - D1.101

SHEET NOTES

1. TONED AREA IS EXISTING TO REMAIN. NO DEMO WORK IN THIS AREA U.N.O. PROTECT ALL AREAS IN THIS AREA DURING DEMOLITION AND CONSTRUCTION. REPAIR ANY INSTANCES IMPACTED BY DEMO WORK.
2. REMOVE EXISTING FLOORING AND PREP SURFACE FOR NEW MATERIAL. REFER TO FINISH PLAN FOR NEW FINISH INSTALL INTENTS.
3. REMOVE EXISTING STOREFRONT. PREPARE FOR NEW STOREFRONT REPLACEMENT.
4. REMOVE EXISTING CEILING SYSTEM.
5. REMOVE EXISTING CASEWORK.
6. REMOVE EXISTING DOORS AND FRAMES.
7. REPAIR ANY INSTANCES EXISTING STRUCTURE TO REMAIN, PROTECT IN PLACE.
8. REMOVE EXISTING STAIRS, LANDINGS, LANDING COLUMN, HANDRAILS, FANS MOUNTED TO OUTSIDE OF LANDING, GUARDS. REF. CIVIL
9. DEMOLISH EXISTING WALLS, BAR, MEP FIXTURES. PREPARE EXISTING COLUMNS FOR NEW CONSTRUCTION. ENSURE ADJACENT OPENING IS TEMPORARILY WEATHER PROOFED AND ENCLOSED.
10. REMOVE EXISTING PLUMBING FIXTURES AND ASSOCIATED PIPES, REFER TO PLUMBING DRAWINGS FOR EXTENTS. CAP LINES AND MAKE SAFE READY FOR CONSTRUCTION.
11. REFER TO CIVIL FOR AREAS OF CUT OR FILL, TYP.
12. REMOVE ALL IVY, PROTECT EXISTING WALLS AND GUARDRAILS ABOVE. REF. LANDSCAPE/CIVIL
13. PROVIDE TEMPORARY FALL PROTECTION. TO BE APPROVED BY OWNER.
14. RETAINING WALL TO REMAIN IN PLACE.
15. DEMO ALL EXISTING LIGHTS ON UNDERSIDE OF SLAB, AND PATCH HOLES.
16. REMOVE GUARDRAIL AND ATTACHMENTS IN ITS ENTIRELY, AND PATCH HOLES. CLEAN EXISTING CONDITIONS FOR PREPARATION OF NEW CONSTRUCTION.
17. PROTECT MURAL IN PLACE. REF. CIVIL
18. EXISTING SIGNAGE/ HISTORICAL MARKERS TO BE UNINSTALLED, STORED AND PROTECTED. REF. LANDSCAPE
19. EXISTING EXPANSION JOINTS IN IT'S ENTIRETY ALONG WALLS, FLOORS, AND SIDEWALKS TO BE REMOVED. CLEAN EXISTING CONDITIONS FOR PREPARATION OF NEW EXPANSION JOINTS.
20. COLUMN TO BE PROTECTED IN PLACE.

GENERAL NOTES

A. RE: G0.010 SHEET SERIES FOR LEGENDS, SYMBOLS AND ABBREVIATIONS.
B. FOR CONSTRUCTION PLAN AND OTHER PLAN REFERENCES, RE: A1 SHEET SERIES.
C. COORDINATE WITH PROPERTY MANAGER FOR STORAGE AND RETURN OF SALVAGED ITEMS TO BUILDING OWNER FOR FUTURE REUSE. COORDINATE WITH PROPERTY MANAGER FOR ITEMS REQUIRED.
D. REMOVE EXISTING INTERIOR PARTITIONS, DOORS, FRAMES, HARDWARE, FLOOR AND WALL FINISHES, LIGHTS AND CEILING SYSTEMS NOT SHOWN TO REMAIN OR AS REQUIRED FOR NEW WORK.
E. REMOVE EXISTING COMMUNICATIONS CABLING NOT SHOWN TO REMAIN ON CONSULTANT'S PLANS OR AS REQUIRED FOR NEW WORK.
F. REMOVE EXISTING MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEMS NOT SHOWN TO REMAIN ON CONSULTANTS PLANS OR AS REQUIRED FOR NEW WORK.
G. PATCH, REPAIR, AND PREPARE ALL AFFECTED AREAS IN PREPARATION FOR NEW WORK.
H. ERECT AND MAINTAIN DUSTPROOF PARTITIONS AS REQUIRED TO PREVENT SPREAD OF DUST, FUMES, AND SMOKE, ETC. TO OTHER PARTS OF THE BUILDING. UPON COMPLETION, REMOVE PARTITIONS AND REPAIR DAMAGED SURFACES TO MATCH ADJACENT SURFACES.
I. IF DEMOLITION IS PERFORMED IN EXCESS OF THAT REQUIRED, RESTORE AFFECTED AREAS AT NO COST TO THE OWNER.
J. REMOVE FROM SITE DAILY AND LEGALLY DISPOSE OF REFUSE, DEBRIS, RUBBISH, AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS.
K. REMOVE EXISTING FLOOR FINISHES AND PREPARE SUBFLOOR AS REQUIRED FOR NEW FLOOR FINISHES.
L. PROVIDE AND MAINTAIN BARRICADES, LIGHTING, AND GUARDRAILS AS REQUIRED BY APPLICABLE CODES AND REGULATIONS TO PROTECT OCCUPANTS OF BUILDING AND OTHER WORKERS.
M. DEMO ALL CEILING ACCESSORIES IN THE DELINEATED AREA UNLESS NOTED OTHERWISE.
N. REF. STRUCTURAL DOCUMENTS FOR SELECTIVE ELEMENT REMOVAL AND REQUIRED SHORING OF ELEMENTS.
O. FIELD VERIFY ALL EXISTING OPENINGS IN EXISTING WALLS PRIOR TO CUTTING.
P. REFER TO STRUCTURAL FOR DEMOLITION SEQUENCING AND EXTENT OF SHORING WORK.
Q. PROVIDE CONTINUOUS EGRESS ACCESS FOR PUBLIC. PROVIDE EGRESS PLAN TO OWNER/ARCHITECT FOR APPROVAL PRIOR TO DEMOLITION.

LEGEND

- EXISTING ELEMENT/STRUCTURE TO REMAIN
- EXISTING ELEMENT/STRUCTURE TO BE REMOVED
- EXISTING DOOR, FRAME, AND HARDWARE TO BE REMOVED.
- EXISTING WINDOW, FRAME, AND HARDWARE TO BE REMOVED.

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Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
BUILDING ELEVATION - LOWER PASEO

Scale
As indicated

5B - D2.000

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DEMOLITION NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL NECESSARY PERMITS/APPROVALS BEFORE BEGINNING DEMOLITION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING FROM THE SITE ALL ITEMS SHOWN TO BE DEMOLISHED UNLESS OTHERWISE INDICATED. ALL MATERIALS SHALL BE DEMOLISHED AND REMOVED FROM SITE IN ACCORDANCE WITH ALL APPLICABLE, FEDERAL, STATE AND LOCAL REGULATIONS.
3. ALL EXISTING ITEMS NOT SPECIFICALLY NOTED TO BE DEMOLISHED SHALL REMAIN. CONTRACTOR IS RESPONSIBLE FOR REPLACING EXISTING ITEMS REMOVED DURING DEMOLITION THAT WERE TO REMAIN.
4. CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH ALL UTILITY COMPANIES REGARDING REMOVAL OF EXISTING SERVICES, POWER POLES TO BE REMOVED, VERIFYING UTILITIES ARE SHUT OFF OR DISCONNECTED, AND THAT ALL POSSIBLE SAFETY PRECAUTIONS HAVE BEEN ENACTED TO ENSURE THE SAFEST ENVIRONMENT FOR ALL PERSONNEL.
5. LOCATION AND DEPTH OF EXISTING UTILITIES SHOWN HEREON ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO THE CONSTRUCTION AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, THROUGHOUT ALL PHASES OF CONSTRUCTION.
6. ALL NECESSARY EROSION CONTROL MEASURES ARE TO BE IN PLACE PRIOR TO CONSTRUCTION. EROSION CONTROL MEASURES ARE TO BE MAINTAINED AND IN WORKING CONDITION AT ALL TIMES.
7. CONTRACTOR SHALL CONFIRM WITH THE OWNER OR HIS DESIGNATE WHETHER TO SALVAGE AND MAKE ARRANGEMENTS TO STORE TRANSPLANTABLE TREES PRIOR TO REMOVAL.
8. FOR TREES SHOWN TO REMAIN, THE CONTRACTOR SHALL INSTALL TREE PROTECTION IN ACCORDANCE WITH THE PROJECT PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL NOT REMOVE OR DAMAGE ANY TREES WITHOUT A PERMIT TO DO SO.
9. NO PARKING AND/OR STORAGE SHALL BE ALLOWED WITHIN THE DRIP LINE OF THE TREES TO REMAIN.
10. THE CONTRACTOR SHALL SAW CUT EXISTING PAVEMENT, CURBS AND SIDEWALKS AT NEW PAVEMENT, CURB AND SIDEWALK JUNCTURES, NO JAGGED OR IRREGULAR CUTS WILL BE ACCEPTED.
11. THE CONTRACTOR SHALL PROTECT ALL PROPERTY PINS, BENCH MARKS, CONSTRUCTION STAKES, HUBS, OR OTHER KEY CONTROL POINTS. THE CONTRACTOR SHALL BE RESPONSIBLE TO RE-ESTABLISH ANY SUCH POINTS AT THEIR OWN EXPENSE.
12. DEMOLITION CONTRACTOR IS RESPONSIBLE FOR CLEARING THE SITE OF ALL OBSTRUCTIONS THAT EXIST ON THIS SITE PRIOR TO THE START OF CONSTRUCTION OR DURING THE CONSTRUCTION SO AS TO NOT IMPEDE THE BUILDING CONSTRUCTION CONTRACTOR.
13. CONTRACTOR SHALL COORDINATE WITH THE OWNER TO IDENTIFY ANY MATERIAL OR EQUIPMENT SCHEDULED FOR REMOVAL TO BE SALVAGED AND REUSED. CONTRACTOR SHALL REPLACE AT HIS EXPENSE ANY DESTROYED MATERIAL OR EQUIPMENT THAT WAS MARKED FOR SALVAGE.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL HAZARDOUS MATERIAL OFFSITE FOLLOWING ALL APPLICABLE DISPOSABLE REGULATIONS. ON SITE CONCRETE PROPOSED FOR DEMOLITION MAY BE REUSED ON SITE AS FILL AS LONG AS IT IS CRUSHED, FREE OF REBAR, WIRE MESH AND DEBRIS AND CAN MEET GEOTECHNICAL SPECIFICATIONS.
15. CONTRACTOR SHALL REMOVE ALL EXISTING IRRIGATION PIPING ON SITE UNLESS SHOWN OTHERWISE. CUT AND CAP LATERALS AT PROJECT LIMITS TO ALLOW PROPER FUNCTION OF ZONES INTENDED TO REMAIN OR EXTEND OFF-SITE.
16. CONTRACTOR SHALL NOT DEMOLISH ANY PUBLIC WATER OR SANITARY SEWER LINES WITHOUT APPROVAL. EXISTING WATER AND SANITARY SEWER SERVICES SHALL REMAIN OPERATIONAL UNTIL NEW SERVICE IS COMPLETE. CUT AND CAP ANY ABANDONED SANITARY SEWER AND WATER SERVICES AT THE EXISTING MAIN. NO ABANDONED SERVICES SHALL REMAIN CONNECTED TO THE PUBLIC MAIN.
17. THE USE OF EXPLOSIVES WILL NOT BE PERMITTED.
18. ALL WASTE MATERIAL REMAINING AFTER OWNER SALVAGE IS COMPLETE AND RESULTING FROM DEMOLITION OPERATIONS BECOMES THE PROPERTY OF THE CONTRACTOR. APPROPRIATE DISPOSAL OF WASTE MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT HIS OWN EXPENSE. OWNER WILL PROVIDE LIST OF ITEMS TO BE SALVAGED.
19. THE CONTRACTOR SHALL MAINTAIN THE SITE IN A CLEAN AND ORDERLY MANNER.
20. THE CONTRACTOR SHALL MEET ALL LOCAL, STATE, AND FEDERAL REGULATIONS FOR DUST CONTROL. THE CONTRACTOR SHALL BE RESPONSIBLE AT THEIR OWN EXPENSE FOR ANY FUGITIVE DUST ON ADJOINING PROPERTIES.

PAVEMENT & STRIPING NOTES

1. ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THIS SCOPE OF WORK WHERE NOT SPECIFICALLY COVERED IN THE SPECIFICATIONS OR GEOTECHNICAL REPORT SHALL CONFORM TO ALL APPLICABLE CITY, COUNTY OR TXDOT STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (LATEST EDITION).
2. THE CONTRACTOR SHALL LOCATE AND PROTECT ALL EXISTING UTILITY AND STORM DRAIN SYSTEMS PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING TO ITS ORIGINAL, OR BETTER, CONDITION ANY DAMAGE DONE TO EXISTING TREES, BUILDINGS, UTILITIES, FENCES, PAVEMENT, CURBS, OR DRIVEWAYS (NO SEPARATE PAY ITEMS).
4. THE CONTRACTOR SHALL VERIFY ELEVATIONS AND LOCATIONS OF EXISTING FACILITIES AND NOTIFY THE ENGINEER OF ANY CONFLICTS PRIOR TO BEGINNING CONSTRUCTION.
5. ALL PAINT SHALL BE 4" WIDE REFLECTIVE PAINT: WHITE ON ASPHALT PAVING AND YELLOW ON CONCRETE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
6. ALL PAVEMENT MARKINGS SHALL RECEIVE TWO COATS OF PAINT.
7. NO WORK SHALL BE PERFORMED IN A PUBLIC RIGHT-OF-WAY WITHOUT A PERMIT.
8. ALL SIGNS SHALL CONFORM TO MUTCD, LATEST EDITION.
9. THE CONTRACTOR SHALL SAW CUT EXISTING PAVING, CURB, AND SIDEWALKS TO PROVIDE A SMOOTH TRANSITION. NO JAGGED OR IRREGULAR EDGES WILL BE ALLOWED.
10. ALL CURBS WITHIN PRIVATE PROPERTY SHALL BE 6" HIGH AND ALL CURBS WITH IN PUBLIC RIGHT-OF-WAY SHALL BE 7" HIGH UNLESS OTHERWISE NOTED.
11. ALL STANDARD PERPENDICULAR PARKING STALLS ARE 9' X 18' AND COMPACT PARKING STALLS ARE 8' X 16' UNLESS DIMENSIONED OTHERWISE.

DIMENSIONAL CONTROL NOTES

1. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY QUESTIONS THAT MAY ARISE CONCERNING THE INTENT, PLACEMENT OR LIMITS OF DIMENSIONS NECESSARY FOR CONSTRUCTION OF THE PROJECT.
2. THE CONTRACTOR SHALL PRESERVE ALL CONTROL POINTS, PROPERTY PINS, BENCH MARKS, HUBS OR OTHER KEY CONTROL POINTS. THE CONTRACTOR SHALL BE RESPONSIBLE TO RE-ESTABLISH ANY SUCH POINTS AT THEIR OWN EXPENSE IN THE EVENT THEY ARE REMOVED.
3. DIMENSIONAL CONTROL FOR ANY STRUCTURE IS BASED ON INFORMATION PROVIDED BY THE ARCHITECT, LANDSCAPE ARCHITECT, OR STRUCTURAL ENGINEER. THE CONTRACTOR SHALL VERIFY ALL PROJECT DIMENSIONS WITH THE PROJECT DRAWINGS PRIOR TO CONSTRUCTION AND TO COMMUNICATE TO THE ENGINEER OF ANY DISCREPANCIES.
4. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL USE THE TRAVERSE CONTROL POINTS FOR HORIZONTAL CONTROL POINTS. IF TRAVERSE CONTROL POINTS ARE NOT PROVIDED, THE CONTRACTOR MAY USE PROPERTY CORNER PINS. BENCHMARKS ARE NOT TO BE USED FOR HORIZONTAL CONTROL.
5. COORDINATES FOR HORIZONTAL CONTROL POINTS ARE BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE, AND 83(96) DISPLAYED IN SURFACE VALUES USING A SURFACE ADJUSTMENT FACTOR FOR EACH COUNTY. (THE SURFACE ADJUSTMENT FACTOR FOR BEXAR COUNTY IS 1.00017. OTHER COUNTIES WILL HAVE A DIFFERENT FACTOR. CHECK WITH THE SURVEYOR TO OBTAIN THE CORRECT SURFACE ADJUSTMENT FACTOR FOR PROJECTS LOCATED OUTSIDE OF BEXAR COUNTY.
6. BENCHMARK ELEVATIONS ARE BASED ON NAVD 88, GEOID 03.
7. ALL DIMENSIONAL CONTROL POINTS OR DIMENSIONS ARE TO THE FACE OF CURB, FACE OF RETAINING WALL AT THE BOTTOM TOE OF SLOPE, AND CENTER OF PAINT STRIPING. ALL DIMENSIONS ARE PERPENDICULAR TO THE POINT OF REFERENCE.
8. CURB RADII ARE 3' UNLESS OTHERWISE NOTED ON THE DRAWINGS.
9. REFER TO THE ARCHITECTURAL, STRUCTURAL, AND LANDSCAPE PLANS AS APPLICABLE FOR ADDITIONAL DIMENSIONAL CONTROL INFORMATION.
10. THE CONTRACTOR SHALL RELY ON THE INFORMATION PROVIDED ON THE SIGNED AND SEALED CONSTRUCTION DRAWINGS, SUBJECT TO A SIGNED RELEASE AGREEMENT, CAD FILES MAY BE OBTAINED FROM THE ENGINEER FOR THE CONVENIENCE AND USE OF THE CONTRACTOR.

GRADING NOTES

1. ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THIS SCOPE OF WORK WHERE NOT SPECIFICALLY COVERED IN THE SPECIFICATIONS OR GEOTECHNICAL REPORT SHALL CONFORM TO ALL APPLICABLE CITY, COUNTY AND TXDOT STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (LATEST EDITION).
2. SITE PREPARATION, GRADING, EXCAVATION AND FILL SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT GEOTECHNICAL REPORT AND SPECIFICATIONS.
3. ALL SELECT FILL MATERIAL PROVIDED SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING AND COMPACTING.
4. ALL ELEVATIONS AND PROPOSED CONTOURS SHOWN ON THIS GRADING PLAN REFLECT FINISHED GRADES. THE THICKNESS OF PAVING, BASE, GRASS, TOPSOIL, AND MULCH MUST BE SUBTRACTED TO OBTAIN SUBGRADE ELEVATIONS.
5. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY QUESTIONS THAT MAY ARISE CONCERNING THE INTENT, PLACEMENT, OR LIMITS OF DIMENSIONS OR GRADES NECESSARY FOR CONSTRUCTION OF THIS PROJECT.
6. THE CONTRACTOR SHALL VERIFY THE SUITABILITY OF ALL EXISTING AND PROPOSED SITE CONDITIONS INCLUDING GRADES AND DIMENSIONS BEFORE COMMENCEMENT OF CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS, TESTS, APPROVALS AND ACCEPTANCES REQUIRED TO COMPLETE CONSTRUCTION OF THIS PROJECT.
8. THE CONTRACTOR SHALL REMOVE TOP SOIL, GRASS, ROOTS, DEBRIS, ETC. AND DISPOSE OFF SITE THOSE MATERIALS NOT SUITABLE FOR EMBANKMENT AND TOPSOIL. CLEAN STRIPPINGS AND TOPSOIL MAY BE STOCKPILED ON SITE FOR REUSE IN A LOCATION SPECIFIED BY THE OWNER.
9. THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR SITE STABILIZATION. ALL DISTURBED AREAS SHALL BE REVEGETATED IN ACCORDANCE WITH PROJECT SPECIFICATIONS AND TPDES/SWPPP REQUIREMENTS. REFERENCE THE LANDSCAPE ARCHITECT'S PLAN, IF APPLICABLE.
10. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS (EROSION CONTROL MEASURES) TO KEEP DRAINAGE AND SILT FROM WASHING ONTO ADJACENT PROPERTY, STREETS, OR DRAINAGE WAYS. CONTRACTOR SHALL IMMEDIATELY REMOVE SILT/DEBRIS WHICH WASHES OFFSITE OR INTO EXISTING STORM DRAIN SYSTEMS. (SEE SWPPP PLANS & TPDES BOOK).
11. THE CONTRACTOR SHALL OBTAIN GRADES SHOWN HEREON WITHIN +/- ONE-TENTH (0.10) FOOT.
12. IN PROPOSED PAVING AREAS, IT IS INTENDED THAT THE MINIMUM GRADE IS 1% ALL EARTHEN SLOPES SHALL BE A MAXIMUM OF 3:1 AND A MINIMUM OF 2.0% UNLESS OTHERWISE SHOWN.
13. ACCESSIBILITY: SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% SIDEWALK LONGITUDINAL SLOPE ALONG ACCESSIBLE ROUTES SHALL NOT EXCEED 5%, UNLESS OTHERWISE NOTED. SIDEWALK CURB RAMPS SHALL NOT EXCEED 8.33% (SEE CURB RAMP DETAILS). CURB RAMP LANDINGS SHALL NOT EXCEED 2% ACCESSIBLE PARKING STALLS SHALL NOT EXCEED 2% IN ANY DIRECTION
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING TO ITS ORIGINAL, OR BETTER, CONDITION ANY DAMAGE DONE TO EXISTING TREES, BUILDINGS, UTILITIES, FENCES, PAVEMENT, CURBS, OR DRIVEWAYS (NO SEPARATE PAY ITEMS).
15. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN WORKING NEAR UTILITIES. GAS LINES, SEWER, OR EXISTING APPURTENANCES. PRIOR TO PERFORMING ANY EXCAVATION, CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND ENSURE UTILITIES HAVE BEEN ADEQUATELY LOCATED AND IDENTIFIED. THE ENGINEER SHALL BE NOTIFIED IF ANY UTILITY CONFLICTS ARE DISCOVERED.
16. POSITIVE DRAINAGE SHALL BE MAINTAINED THROUGHOUT THE SCOPE OF THE PROJECT. DRAINAGE SHALL BE DIRECTED AWAY FROM ALL BUILDING FOUNDATIONS. CONTRACTOR SHOULD TAKE PRECAUTIONS NOT TO ALLOW ANY PONDING OF WATER.
17. FOR FILL PLACEMENT ON HILL SIDES OR STEEP SLOPE AREAS, THE CONTRACTOR SHALL REFERENCE THE PROJECT SPECIFICATIONS AND GEOTECHNICAL REPORT FOR SPECIAL INSTRUCTIONS REGARDING BENCHING.
18. NO WORK SHALL BE PERFORMED IN A PUBLIC RIGHT-OF-WAY WITHOUT A PERMIT.

DRAINAGE NOTES

1. ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THIS SCOPE OF WORK SHALL COMPLY WITH THE PROJECT GEOTECH REPORT, THE PROJECT SPECIFICATIONS, AND THE CURRENT CITY, COUNTY OR TXDOT.
2. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES. THE CONTRACTOR SHOULD EXERCISE EXTREME CAUTION WHEN WORKING NEAR EXISTING UTILITIES AND SHOULD THEY BE DAMAGED DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR WILL BE REQUIRED TO REPAIR OR REPLACE THE DAMAGED FACILITIES AT CONTRACTOR'S EXPENSE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING TO ORIGINAL OR BETTER CONDITION EAMAGE DONE TO EXISTING FENCES, CURBS, STREETS, DRIVEWAYS, LANDSCAPING AND STRUCTURES.
4. CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ALL WASTE MATERIALS UPON PROJECT COMPLETION.
5. WATER JETTING THE BACKFILL OF STORM DRAIN TRENCHES WILL NOT BE PERMITTED.
6. NORTHINGS AND EASTINGS LISTED ON THESE PLANS ARE TO CENTER OF BOX FOR JUNCTION BOXES AND GRATE INLETS AND TO OUTSIDE CORNER FACE OF CURB FOR ALL CURB AND COMBINATION INLETS. ALL LENGTHS OF PIPE ARE TO INSIDE FACE OF STRUCTURES.
7. CONTRACTOR SHALL ENSURE PROPER SIZE OF JUNCTION BOXES NEEDED WHERE INDICATED ON PLAN. CONTRACTOR SHALL CONNECT STORM DRAIN PIPE TO JUNCTION BOXES PER MANUFACTURES SPECIFICATIONS.
8. ALL STORM DRAIN TO JUNCTION BOX CONNECTIONS SHALL HAVE CONCRETE COLLARS.
9. ALL GRATE INLETS MUST BE HS20 EQUIVALENT RATED GRATES.
10. TOPS OF MANHOLES, JUNCTION BOXES AND GRATES SHALL BE SET FLUSH TO FINISHED SURFACE BASED UPON GRADING PLAN.
11. CONTRACTOR SHALL GROUT INVERTS OF ALL STORM DRAIN INLETS, JUNCTION BOXES, AND DROP STRUCTURES TO DRAIN.

COSA GENERAL NOTES

1. ALL THE TREES WITH A DIAMETER GREATER THAN 3 INCHES AFFECTED BY CONSTRUCTION SHALL HAVE THE LIMBS AND ROOTS TRIMMED AND PRUNED ACCORDING TO ITEM No. 802, TREE PRUNING, SOIL AMENDING AND FERTILIZATION, UNLESS SPECIFIED TREES SHALL RECEIVE LEVEL 2 PROTECTION AS PER ITEM No. 802. TREES TO RECEIVE LEVEL 1 PROTECTION AS PER ITEM No. 802 ARE SHOWN ON TREE PROTECTION TABLE ON THIS SHEET.
2. ALL TREES SHALL REMAIN UNLESS NOTED ON THE PLANS.
3. NO SITE PREPARATION WORK SHALL BEGIN IN AREAS WHERE TREE PRESERVATION AND TREATMENT MEASURES HAVE NOT BEEN COMPLETED AND APPROVED.
4. TREE PROTECTION FENCING SHALL BE REQUIRED. TREE PROTECTION FENCING SHALL BE INSTALLED, MAINTAINED AND REPAIRED BY THE CONTRACTOR DURING SITE CONSTRUCTION.
5. THE CONTRACTOR SHALL AVOID CUTTING ROOTS LARGER THAN THREE INCHES IN DIAMETER WHEN EXCAVATING NEAR EXISTING TREES. EXCAVATION IN THE VICINITY OF TREES SHALL PROCEED WITH CAUTION. THE CONTRACTOR SHALL CONTACT THE CITY INSPECTOR.
6. THE ROOT PROTECTION ZONE IS THAT AREA SURROUNDING A TREE, AS MEASURED BY A RADIUS FROM THE TREE TRUNK, IN WHICH NO EQUIPMENT, VEHICLES OR MATERIALS MAY OPERATE OR BE STORED. THE REQUIRED RADIUS LENGTH IS 1 FOOT PER DIAMETER INCH OF THE TREE. FOR EXAMPLE, A 10-INCH DIAMETER TREE SHALL HAVE A 5-FOOT RADIUS ROOT PROTECTION ZONE AROUND THE TREE. ROOTS OR BRANCHES THAT ARE IN CONFLICT WITH THE CONSTRUCTION SHALL BE CUT CLEANLY ACCORDING TO PROPER PRUNING METHODS. LIVE OAK WOUNDS SHALL BE PAINTED OVER, WITHIN 20 MINUTES TO PREVENT OAK WILT.
7. ACCESS TO FENCED AREAS WILL BE PERMITTED ONLY WITH THE APPROVAL OF THE ENGINEER OR CITY INSPECTOR.
8. GRADING, IF REQUIRED, SHALL BE LIMITED TO A 3 INCH CUT OR FILL WITHIN THE FENCED ROOT ZONE AREAS.
9. TREES, SHRUBS OR BUSHES TO BE CLEARED FROM PROTECTED ROOT ZONE AREAS SHALL BE REMOVED BY HAND AS DIRECTED BY THE PROJECT MANAGER OR CITY INSPECTOR.
10. TREES DAMAGED OR LOST DUE TO CONTRACTOR'S NEGLIGENCE DURING CONSTRUCTION SHALL BE MITIGATED TO THE ENGINEER'S SATISFACTION.
11. EXPOSED ROOTS SHALL BE COVERED AT THE END OF EACH DAY USING TECHNIQUES SUCH AS COVERING WITH SOIL, MULCH OR WET BURLAP.
12. ANY TREE REMOVAL SHALL BE APPROVED BY THE CITY ARBORIST PRIOR TO ITS REMOVAL.

CAUTION UNDERGROUND UTILITIES

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES; AND WHERE POSSIBLE MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITED TO; WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES AND GAS LINES. THE CONTRACTOR MUST CONTACT 1-800-DIG-TESS AND CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION AND/OR START OF CONSTRUCTION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES (WHETHER SHOWN ON PLANS OR NOT) WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTORS SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

TRENCH EXCAVATION SAFETY PROTECTION

CONTRACTOR AND/ OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/ GEOTECHNICAL/ SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND /OR PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLY WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

CAUTION!!

EXISTING UTILITIES ARE LOCATED WITHIN THE LIMITS OF THE CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL EXERCISE EXTRA CARE IN DIGGING ANY TRENCH FOR PROPOSED UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING, VERIFYING THE EXACT LOCATION AND IDENTIFYING ANY AREAS OF CONFLICTS WITH EXISTING UTILITIES AND WILL NOTIFY THE ENGINEER IMMEDIATELY IF CONFLICTS ARE FOUND.
UTILITY LOCATES (POTHOLES) ARE PENDING AT THIS TIME. DEPTHS AND EXACT LOCATIONS OF EXISTING UTILITIES ARE THEREFORE UNKNOWN AND CONFLICTS MAY EXIST AT THIS TIME. THESE MAY CAUSE ADDITIONAL COST AND/OR TIME DURING CONSTRUCTION.

CAUTION!!

CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITING TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

ARCHAEOLOGY NOTE

THE SITE IS WITHIN THE LIMITS OF THE ALAMO PLAN AND IS SUBJECT TO PERMIT APPROVAL BY THE TEXAS HISTORIC COMMISSION AND, WHERE NOT ON PROPERTY OWNED BY THE STATE OF TEXAS, TO PERMIT APPROVAL BY THE CITY OF SAN ANTONIO OFFICE OF HISTORIC PRESERVATION. CONTRACTOR SHALL CONTACT ALAMO TRUST, INC. (AT) ARCHAEOLOGIST PRIOR TO COMMENCING ANY WORK AND COORDINATE WORK IN DETAIL WITH ATI ARCHAEOLOGIST THROUGHOUT CONSTRUCTION. ALL EXCAVATION AND RELATED WORK IS TO BE SUBJECT TO CONDITIONS OF THE PROJECT-SPECIFIC PERMIT.

ALAMO TRUST INC.
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Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
11078-71

Description
GENERAL CONSTRUCTION NOTES

Scale

C0.01

PAPE-DAWSON ENGINEERS
SAN ANTONIO I AUSTIN I HOUSTON I FORT WORTH I DALLAS
2000 NW LOOP 410 I SAN ANTONIO, TX 78213 I 210.375.9000
TBPE FIRM REGISTRATION #470 I TBPLS FIRM REGISTRATION #10028800

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LOSOYA STREET
LOSOYA STREET
EXISTING BLDG
EXISTING BLDG
CONC DRIVE
CONC STRIP
BRICK
CONC WALL
STEPS
RAMP
TREE
SIGN
BENCH
TRASH
CONC
BRICK WALL
GATE
DOOR
WALL
CURB
EBOX
MH
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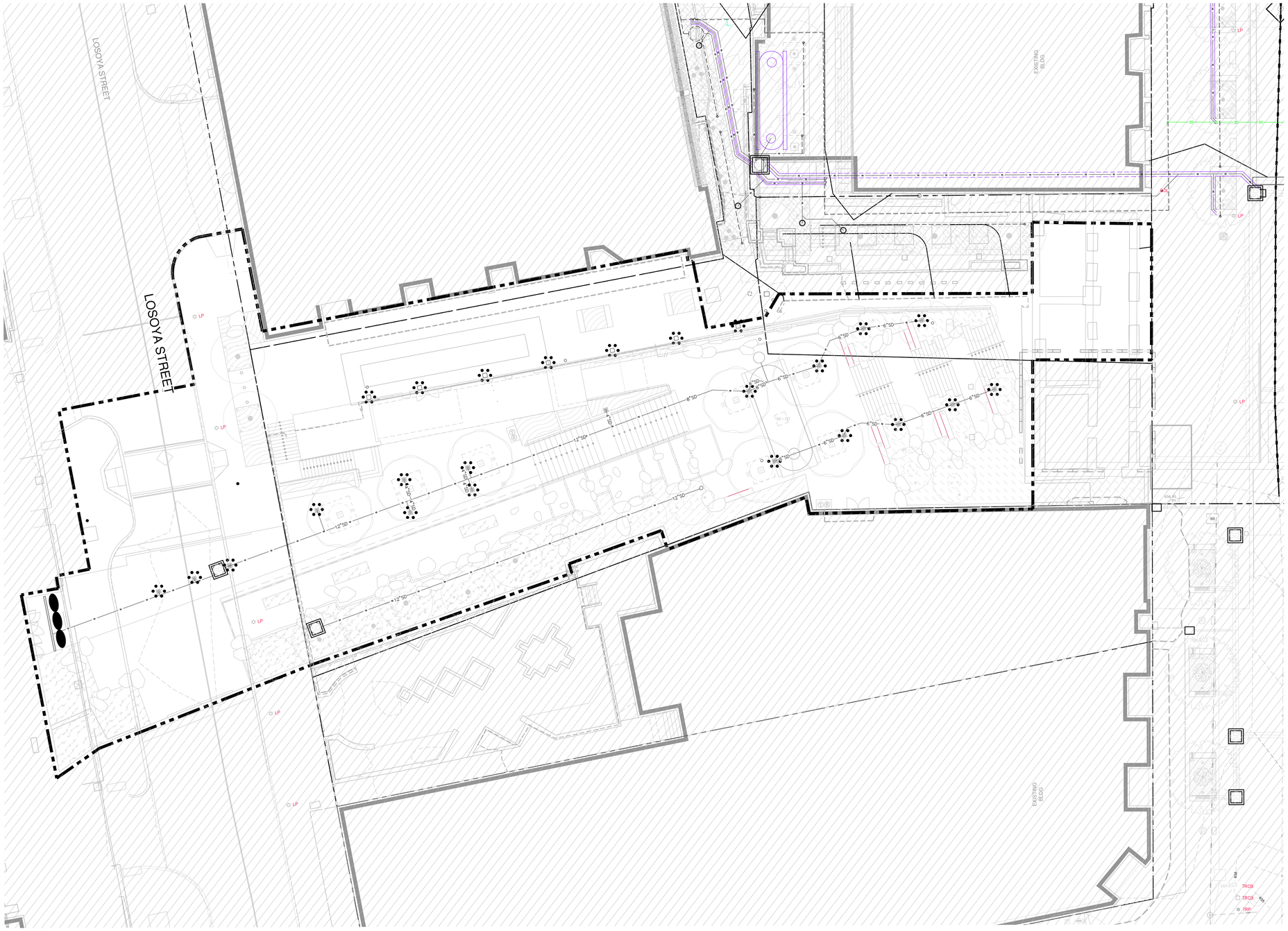
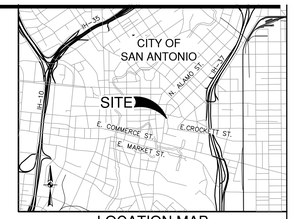
TRCB
INLET
LP
SEAM
CONC WALL
CONC WALL
CONC WALL





LOCATION MAP
NOT-TO-SCALE

SCALE: 1"= 10'
0' 10' 20' 30'

LEGEND

- PROPERTY LINE
- PHASE 5 PROJECT LIMITS < 1 AC
- EXISTING CONTOURS
  - 5 FT CONTOUR (885)
  - 1 FT CONTOUR (884)
- PROPOSED CONTOURS
  - 5 FT CONTOUR (885)
  - 1 FT CONTOUR (884)
- 100-YR FLOODPLAIN
- PROJECT LIMITS
- STABILIZED CONSTRUCTION ENTRANCE/EXIT (TO BE FIELD LOCATED)
- CONCRETE TRUCK WASHOUT PIT (TO BE FIELD LOCATED)
- CONSTRUCTION STAGING AREA (TO BE FIELD LOCATED)
- SILT FENCE
- INLET PROTECTION
- PROPOSED DIRECTIONAL FLOW ARROW WITH SLOPE (1.0%)
- EXISTING DIRECTIONAL FLOW ARROW WITH SLOPE
- GRAVEL FILTER BAGS
- SEDIMENT CONTROL ROLLS

NOTE:
REFERENCE SHEET C0.01 FOR GENERAL CONSTRUCTION NOTES

GENERAL NOTES

1. DO NOT DISTURB VEGETATED AREAS (TREES, GRASS, WEEDS, RUSH, ETC.) ANY MORE THAN NECESSARY FOR CONSTRUCTION.

2. CONSTRUCTION ENTRANCE/EXIT LOCATION, CONCRETE WASH-OUT PIT, AND CONSTRUCTION EQUIPMENT AND MATERIAL STORAGE YARD TO BE DETERMINED IN THE FIELD.

3. STORM WATER POLLUTION PREVENTION CONTROLS MAY NEED TO BE MODIFIED IN THE FIELD TO ACCOMPLISH THE DESIRED EFFECT. ALL MODIFICATIONS ARE TO BE NOTED ON THIS EXHIBIT AND SIGNED AND DATED BY THE RESPONSIBLE PARTY.

4. RESTRICT ENTRY/EXIT TO THE PROJECT SITE TO DESIGNATED LOCATIONS BY USE OF ADEQUATE FENCING, IF NECESSARY.

5. ALL STORM WATER POLLUTION PREVENTION CONTROLS ARE TO BE MAINTAINED AND IN WORKING CONDITIONS AT ALL TIMES.

6. FOR A COMPLETE LISTING OF TEMPORARY STORM WATER POLLUTION PREVENTION CONTROLS REFER TO THE TPDES STORM WATER POLLUTION PREVENTION PLAN.

7. STORM WATER POLLUTION PREVENTION STRUCTURES SHOULD BE CONSTRUCTED WITHIN THE SITE BOUNDARIES. SOME OF THESE FEATURES MAY BE SHOWN OUTSIDE THE SITE BOUNDARIES ON THIS PLAN FOR VISUAL CLARITY.

8. AS SOON AS PRACTICAL, ALL DISTURBED SOIL THAT WILL NOT BE COVERED BY IMPERVIOUS COVER SUCH AS PARKWAY AREAS, EASEMENT AREAS, EMBANKMENT SLOPES, ETC. WILL BE STABILIZED PER APPLICABLE PROJECT SPECIFICATIONS.

9. BEST MANAGEMENT PRACTICES MAY BE INSTALLED IN STAGES TO COINCIDE WITH THE DISTURBANCE OF UPGRADIENT AREAS.

10. BEST MANAGEMENT PRACTICES MAY BE REMOVED IN STAGES ONCE THE WATERSHED FOR THAT PORTION CONTROLLED BY THE BEST MANAGEMENT PRACTICES HAS BEEN STABILIZED IN ACCORDANCE WITH TPDES REQUIREMENTS.

11. UPON COMPLETION OF THE PROJECT, INCLUDING SITE STABILIZATION, AND BEFORE FINAL PAYMENT IS ISSUED, CONTRACTOR SHALL REMOVE ALL SEDIMENT AND EROSION CONTROL MEASURES, PAYING SPECIAL ATTENTION TO ROCK BERMS IN DRAINAGE FEATURES.

12. CPS ENGERY WILL FUNCTION AS A SECONDARY OPERATOR ON THIS PROJECT AND BE INSTALLING ELECTRIC UTILITIES FOR ON-SITE CONSTRUCTION AND OFF-SITE FEED TO THE PROJECT.

SWP3 MODIFICATIONS

DATE	SIGNATURE	DESCRIPTION

THE ENGINEERING SEAL HAS BEEN AFFIXED TO THIS SHEET ONLY FOR THE PURPOSE OF DEMONSTRATING COMPLIANCE WITH THE TPDES-STORM WATER POLLUTION PREVENTION PLAN (SWP3) REGULATIONS.

THIS SHEET HAS BEEN PREPARED FOR PURPOSES OF THE SWP3 ONLY. ALL OTHER CIVIL ENGINEERING RELATED INFORMATION SHOULD BE ACQUIRED FROM THE APPROPRIATE SHEET IN THE CIVIL IMPROVEMENT PLANS.

EXHIBIT 2

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06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
11078-71

Description
STORMWATER POLLUTION PREVENTION PLAN

Scale

C0.20

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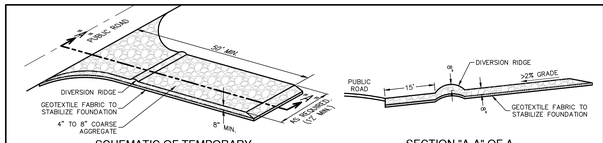


SCHEMATIC OF TEMPORARY CONSTRUCTION ENTRANCE/EXIT

SECTION "A-A" OF A CONSTRUCTION ENTRANCE/EXIT

MATERIALS

1. THE AGGREGATE SHOULD CONSIST OF 4–INCH TO 8–INCH WASHED STONE OVER A STABLE FOUNDATION AS SPECIFIED IN THE PLAN.

2. THE AGGREGATE SHOULD BE PLACED WITH A MINIMUM THICKNESS OF 8–INCHES.

3. THE GEOTEXTILE FABRIC SHOULD BE DESIGNED SPECIFICALLY FOR USE AS A SOIL FILTRATION MEDIA WITH AN APPROXIMATE WEIGHT OF 6 OZ/YD², A MULLEN BURST RATING OF 140 LB/IN², AND AN EQUIVALENT OPENING SIZE GREATER THAN A NUMBER 50 SIEVE.

4. IF A WASHING FACILITY IS REQUIRED, A LEVEL AREA WITH A MINIMUM OF 4–INCH DIAMETER WASHED STONE OR COMMERCIAL ROCK SHOULD BE INCLUDED IN THE PLANS. DIVERT WASTEWATER TO A SEDIMENT TRAP OR BASIN.

INSTALLATION

1. AVOID CURVES ON PUBLIC ROADS AND STEEP SLOPES. REMOVE VEGETATION AND OTHER OBJECTIONABLE MATERIAL FROM THE FOUNDATION AREA. GRADE CROWN FOUNDATION FOR POSITIVE DRAINAGE.

2. THE MINIMUM WIDTH OF THE ENTRANCE/EXIT SHOULD BE 12 FEET OR THE FULL WIDTH OF EXIT ROADWAY, WHICHEVER IS GREATER.

3. THE CONSTRUCTION ENTRANCE SHOULD BE AT LEAST 50 FEET LONG.

4. IF THE SLOPE TOWARD THE ROAD EXCEEDS 2%, CONSTRUCT A RIDGE, 6–INCHES TO 8–INCHES HIGH WITH 3:1 (H:V) SIDE SLOPES, ACROSS THE FOUNDATION APPROXIMATELY 15 FEET FROM THE ENTRANCE TO DIVERT RUNOFF AWAY FROM THE PUBLIC ROAD.

5. PLACE GEOTEXTILE FABRIC AND GRADE FOUNDATION TO IMPROVE STABILITY, ESPECIALLY WHERE WET CONDITIONS ARE ANTICIPATED.

6. PLACE STONE TO DIMENSIONS AND GRADE SHOWN ON PLANS. LEAVE SURFACE SMOOTH AND SLOPE FOR DRAINAGE.

7. DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE STONE PAD TO A SEDIMENT TRAP OR BASIN.

8. INSTALL PIPE UNDER PAD AS NEEDED TO MAINTAIN PROPER PUBLIC ROAD DRAINAGE.

COMMON TROUBLE POINTS

1. INADEQUATE RUNOFF CONTROL–SEDIMENT WASHES ONTO PUBLIC ROAD.

2. STONE TOO SMALL OR GEOTEXTILE FABRIC ABSENT, RESULTS IN MUDDY CONDITION AS STONE IS PRESSED INTO SOIL.

3. PAD TOO SHORT FOR HEAVY CONSTRUCTION TRAFFIC–EXTEND PAD BEYOND THE MINIMUM 50–FOOT LENGTH AS NECESSARY.

4. PAD NOT FLARED SUFFICIENTLY AT ROAD SURFACE, RESULTS IN MUD BEING TRACKED ON TO ROAD AND POSSIBLE DAMAGE TO ROAD.

5. UNSTABLE FOUNDATION — USE GEOTEXTILE FABRIC UNDER PAD AND/OR IMPROVE FOUNDATION DRAINAGE.

INSPECTION AND MAINTENANCE GUIDELINES

1. THE ENTRANCE SHOULD BE MAINTAINED IN A CONDITION, WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS–OF–WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

2. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS–OF–WAY SHOULD BE REMOVED IMMEDIATELY BY CONTRACTOR.

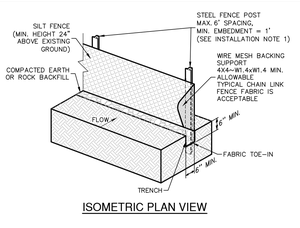
3. WHEN NECESSARY, WHEELS SHOULD BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT–OF–WAY.

4. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

5. ALL SEDIMENT SHOULD BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATER COURSE BY USING APPROVED METHODS.

1 STABILIZED CONSTRUCTION ENTRANCE/EXIT DETAIL

NOT–TO–SCALE



ISOMETRIC PLAN VIEW

SILT FENCE

A SILT FENCE IS A BARRIER CONSISTING OF GEOTEXTILE FABRIC SUPPORTED BY METAL POSTS TO PREVENT SOIL AND SEDIMENT LOSS FROM A SITE. WHEN PROPERLY USED, SILT FENCES CAN BE HIGHLY EFFECTIVE AT CONTROLLING SEDIMENT FROM DISTURBED AREAS. THEY CAUSE RUNOFF TO POND, ALLOWING HEAVIER SOLIDS TO SETTLE OUT. IF NOT PROPERLY INSTALLED, SILT FENCES ARE NOT LIKELY TO BE EFFECTIVE.

THE PURPOSE OF A SILT FENCE IS TO INTERCEPT AND DETAIN WATER–BORN SEDIMENT FROM UNPROTECTED AREAS OF A LIMITED EXTENT. SILT FENCE IS USED DURING THE PERIOD OF CONSTRUCTION NEAR THE PERIMETER OF A DISTURBED AREA TO INTERCEPT SEDIMENT WHILE ALLOWING WATER TO PERCOLATE THROUGH. THIS FENCE SHOULD REMAIN IN PLACE UNTIL THE DISTURBED AREA IS PERMANENTLY STABILIZED. SILT FENCE SHOULD NOT BE USED WHERE THERE IS A CONCENTRATION OF WATER IN A CHANNEL OR DRAINAGE WAY. IF CONCENTRATED FLOW OCCURS AFTER INSTALLATION, CORRECTIVE ACTION MUST BE TAKEN SUCH AS PLACING A ROCK BERM IN THE AREAS OF CONCENTRATED FLOW.

SILT FENCING WITHIN THE SITE MAY BE TEMPORARILY MOVED DURING THE DAY TO ALLOW CONSTRUCTION ACTIVITY PROVIDED IT IS REPLACED AND PROPERLY ANCHORED TO THE GROUND AT THE END OF THE DAY. SILT FENCES ON THE PERIMETER OF THE SITE OR AROUND DRAINAGE WAYS SHOULD NOT BE MOVED AT ANY TIME.

MATERIALS

1. SILT FENCE MATERIAL SHOULD BE POLYPROPYLENE, POLYETHYLENE, OR POLYAMIDE WOVEN OR NONWOVEN FABRIC. THE FABRIC SHOULD BE 36 INCHES, WITH A MINIMUM UNIT WEIGHT OF 4.5 OZ/YD, MULLEN BURST STRENGTH EXCEEDING 190 LB/IN2, ULTRAVIOLET STABILITY EXCEEDING 70%, AND MINIMUM APPARENT OPENING SIZE OF U.S. SIEVE NUMBER 30.

2. FENCE POSTS SHOULD BE MADE OF HOT ROLLED STEEL, AT LEAST 4 FEET LONG WITH TEE OR Y–BAR CROSS SECTION, SURFACE PAINTED OR GALVANIZED, MINIMUM WEIGHT 1.25 LB/FT, AND BRINDELL HARDNESS EXCEEDING 140.

3. WOVEN WIRE BACKING TO SUPPORT THE FABRIC SHOULD BE GALVANIZED 2" X 4" WELDED WIRE, 12 GAUGE MINIMUM.

INSTALLATION

1. STEEL POSTS, WHICH SUPPORT THE SILT FENCE, SHOULD BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POSTS MUST BE EMBEDDED A MINIMUM OF 1–FOOT DEEP AND SPACED NOT MORE THAN 8 FEET ON CENTER. WHERE WATER CONCENTRATES, THE MAXIMUM SPACING SHOULD BE 6 FEET.

2. LAY OUT FENCING DOWN–SLOPE OF DISTURBED AREA, FOLLOWING THE CONTOUR AS CLOSELY AS POSSIBLE. THE FENCE SHOULD BE SITED SO THAT THE MAXIMUM DRAINAGE AREA IS ¼ ACRE/100 FEET OF FENCE.

3. THE TOE OF THE SILT FENCE SHOULD BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWN–SLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (E.G., PAVEMENT OR ROCK OUTCROP), WEIGHT FABRIC FLAP WITH 3 INCHES OF PEA GRAVEL ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.

4. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.

5. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IS IN TURN ATTACHED TO THE STEEL FENCE POST. THERE SHOULD BE A 3–FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.

6. SILT FENCE SHOULD BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

COMMON TROUBLE POINTS

1. FENCE NOT INSTALLED ALONG THE CONTOUR CAUSING WATER TO CONCENTRATE AND FLOW OVER THE FENCE.

2. FABRIC NOT SEATED SECURELY TO GROUND (RUNOFF PASSING UNDER FENCE).

3. FENCE NOT INSTALLED PERPENDICULAR TO FLOW LINE (RUNOFF ESCAPING AROUND SIDES).

4. FENCE TREATING TOO LARGE AN AREA, OR EXCESSIVE CHANNEL FLOW (RUNOFF OVERTOPS OR COLLAPSES FENCE).

INSPECTION AND MAINTENANCE GUIDELINES

1. INSPECT ALL FENCING WEEKLY, AND AFTER RAINFALL.

2. REMOVE SEDIMENT WHEN BUILDUP REACHES 6 INCHES.

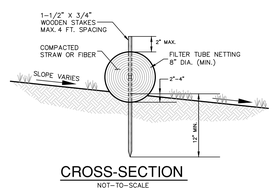
3. REPLACE TORN FABRIC OR INSTALL A SECOND LINE OF FENCING PARALLEL TO THE TORN SECTION.

4. REPLACE OR REPAIR SECTIONS CRUSHED OR COLLAPSED IN THE COURSE OF CONSTRUCTION ACTIVITY. IF A SECTION OF FENCE IS OBSTRUCTING VEHICULAR ACCESS, CONSIDER RELOCATING IT TO A SPOT WHERE IT WILL PROVIDE EQUAL PROTECTION, BUT WILL NOT OBSTRUCT VEHICLES. A TRIANGULAR FILTER DIKE MAY BE PREFERABLE TO A SILT FENCE AT COMMON VEHICLE ACCESS POINTS.

5. WHEN CONSTRUCTION IS COMPLETE, THE SEDIMENT SHOULD BE DISPOSED OF IN A MANNER THAT WILL NOT CAUSE ADDITIONAL SILTATION AND THE PRIOR LOCATION OF THE SILT FENCE SHOULD BE REVEGETATED. THE FENCE ITSELF SHOULD BE DISPOSED OF IN AN APPROVED LANDFILL.

2 SILT FENCE DETAIL

NOT–TO–SCALE



CROSS–SECTION

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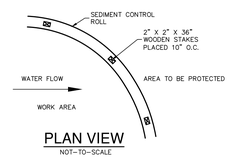


PLAN VIEW

NOT–TO–SCALE

SEDIMENT CONTROL ROLLS

SEDIMENT CONTROL ROLLS ARE ELONGATED TUBES OF COMPACTED STRAW AND/OR OTHER FIBERS THAT ARE INSTALLED ALONG CONTOURS OR AT THE BASE OF SLOPES TO HELP REDUCE SOIL EROSION AND RETAIN SEDIMENT. THEY FUNCTION BY SHORTENING SLOPE LENGTH, REDUCING RUNOFF WATER VELOCITY, TRAPPING DISLODGED SOIL PARTICLES AND REDUCING THE EFFECTS OF SLOPE STEEPNESS.

MATERIALS

CORE MATERIAL: CORE MATERIALS SHALL BE BIODEGRADABLE NAD NOXIOUS WEED FREE. MATERIAL MAY BE COMPOST, MULCH, ASPEN EXCELSIOR WOOD FIBERS, CHIPPED SITE VEGETATION, AGRICULTURAL RICE OR WHEAT STRAW, COCONUT FIBER, OR OTHER 100% BIODEGRADABLE FIBERS.
CONTAINMENT MESH: CONTAINMENT MESH SHALL BE 100% BIODEGRADABLE, PHOTODEGRADABLE OR RECYCLABLE SUCH AS BURLAP TWINE, UV PHOTODEGRADABLE PLASTIC OR POLYESTER.
USE BIODEGRADABLE OR PHOTODEGRADABLE MESH WHEN WATTLE WILL REMAIN IN PLACE AS PART OF A VEGETATIVE SYSTEM. USE RECYCLABLE MESH FOR TEMPORARY INSTALLATIONS.
WATTLES SHALL HAVE A MINIMUM DIAMETER OF 8 INCHES AND A MAXIMUM DIAMETER OF 20 INCHES.
NO MORE THAN 5% OF THE FILL MATERIAL SHALL BE PERMITTED TO ESCAPE FROM THE CONTAINING MESH. MESH SHALL BE 0.5" X 0.5" HIGH DENSITY POLYETHYLENE AND ETHYLY VINYL ACETATE AND CONTAIN ULTRA–VIOLET INHIBITORS. WATTLE ENDS SHALL BE TIED CLOSED.

SEDIMENT CONTROL ROLLS IN A TEMPORARY EROSION CONTROL APPLICATION

WHEN NO LONGER REQUIRED FOR THE INTENDED PURPOSE, TEMPORARY ROLLS SHALL BE REMOVED FROM THE SITE. AS AN OPTION, THE STRAW ROLLS MAY BE SLIT DOWN THE LENGTH OF THE NETTING AND THE STRAW MAY BE USED ON SLOPES OR OTHER AREAS.

TRENCHES, DEPRESSIONS OR ANY OTHER GROUND DISTURBANCES CAUSED BY THE REMOVAL OF THE TEMPORARY STRAW ROLLS SHALL BE BACKFILLED AND REPAIRED WITH THE EXCESS SEDIMENT CAPTURED BY THE ROLLS, PRIOR TO SPREADING THE STRAW OR OTHER FINAL EROSION CONTROL PROTECTION.

SEDIMENT CONTROL ROLLS IN A PERMANENT EROSION CONTROL APPLICATION

LEAVE ROLLS AS INSTALLED TO PHOTODEGRADE OR BIODEGRADE OVER TIME AS NATIVE AND APPLIED VEGETATION ULTIMATELY STABILIZE THE REPAIRED SITE.

INSTALLATION

1. REMOVE ALL ROCKS, CLODS, VEGETATION OR OTHER OBSTRUCTIONS SO THAT THE INSTALLED ROLLS WILL HAVE DIRECT CONTACT WITH THE SOIL.

2. A SMALL TRENCH, 2–4 INCHES IN DEPTH SHOULD BE EXCAVATED ON THE SLOPE CONTOUR AND PERPENDICULAR TO WATER FLOW. SOIL FROM THE EXCAVATION SHOULD BE PLACED UPSLOPE NEXT TO THE TRENCH.

3. INSTALL THE ROLLS IN THE TRENCH, INSURING THAT NO GAPS EXIST BETWEEN THE SOIL AND THE BOTTOM OF THE ROLL. ROLL SHOULD BE LAPPED 6" MINIMUM TO PREVENT SEDIMENT PASSING THROUGH THE FIELD JOINT.

4. WOODEN STAKES SHOULD BE USED TO FASTEN THE ROLLS TO THE SOIL. WHEN CONDITIONS WARRANT, A STRAIGHT METAL BAR CAN BE USED TO DRIVE A "PILOT HOLE" THROUGH THE ROLL AND INTO THE SOIL.

5. WOODEN STAKES SHOULD BE PLACED 6" FROM THE ROLL END ANGLED TOWARDS THE ADJACENT ROLL AND SPACED AT 4 FEET CENTERS LEAVING LESS THAN 1–2 INCHES OF STAKE EXPOSED ABOVE THE ROLL. ALTERNATELY, STAKES MAY BE PLACED ON EACH SIDE OF THE ROLL TYING ACROSS WITH WITH A NATURAL FIBER TWINE OR STAKING IN A CROSSING MANNER ENSURING DIRECT SOIL CONTACT AT ALL TIMES.

6. TERMINAL ENDS OF ROLLS MAY BE "DOG LEGGED" UP SLOPE TO ENSURE CONTAINMENT AND PREVENT CHANNELING OF SEDIMENT.

7. BACKFILL THE UPSLOPE LENGTH OF THE ROLL WITH THE EXCAVATED SOIL AND COMPACT.

8. CARE SHALL BE TAKEN DURING INSTALLATION SO AS TO AVOID DAMAGE OCCURRING TO THE ROLL AS A RESULT OF THE INSTALLATION PROCESS. SHOULD THE ROLL BE DAMAGED DURING INSTALLATION, A WOODEN STAKE SHALL BE PLACED EITHER SIDE OF THE DAMAGED AREA TERMINATING THE LOG SEGMENT.

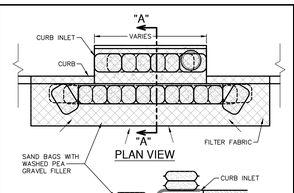
INSPECTION AND MAINTENANCE

1. THE SEDIMENT CONTROL ROLLS SHALL BE INSPECTED AFTER INSTALLATION TO INSURE THAT THEY ARE TRENCHED–IN AND THAT NO GAPS EXIST UNDER THE ROLLS OR BETWEEN ADJACENT ENDS OF THE ROLLS.

2. ROLLS SHALL BE INSPECTED AFTER SIGNIFICANT RAINFALL EVENTS. RILLS OR GULLIES UPSLOPE OF THE ROLL AND ANY UNDERCUTTING IS TO BE REPAIRED.

3 SEDIMENT CONTROL ROLLS

NOT–TO–SCALE



PLAN VIEW

SECTION "A–A"

GENERAL NOTES

1. CONTRACTOR TO INSTALL 2"x4"–W1.4xW1.4 WIRE MESH SUPPORTING FILTER FABRIC OVER THE INLET OPENING. FABRIC MUST BE SECURED TO WIRE BACKING WITH CLIPS OR WIRE TIES AT THIS LOCATION. SAND BAGS FILLED WITH WASHED PEA GRAVEL SHOULD BE PLACED ON TOP OF WIRE MESH ON TOP OF THE INLET AS SHOWN ON THIS DETAIL TO HOLD WIRE MESH IN PLACE. SANDBAGS FILLED WITH WASHED PEA GRAVEL SHOULD ALSO BE PLACED ALONG THE GUTTER AS SHOWN ON THIS DETAIL TO HOLD WIRE MESH IN PLACE. SAND BAGS TO BE STACKED TO FORM A CONTINUOUS BARRIER AROUND INLETS.

2. THE BAGS SHOULD BE TIGHTLY ABUTTED AGAINST EACH OTHER TO PREVENT RUNOFF FROM FLOWING BETWEEN THE BAGS.

INSPECTION AND MAINTENANCE GUIDELINES

1. INSPECTION SHOULD BE MADE WEEKLY AND AFTER EACH RAINFALL. REPAIR OR REPLACEMENT SHOULD BE MADE PROMPTLY AS NEEDED BY THE CONTRACTOR.

2. REMOVE SEDIMENT WHEN BUILDUP REACHES A DEPTH OF 3 INCHES. REMOVED SEDIMENT SHOULD BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.

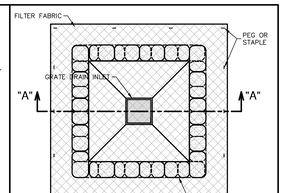
3. CHECK PLACEMENT OF DEVICE TO PREVENT GAPS BETWEEN DEVICE AND CURB.

4. INSPECT FILTER FABRIC AND PATCH OR REPLACE IF TORN OR MISSING.

5. STRUCTURES SHOULD BE REMOVED AND THE AREA STABILIZED ONLY AFTER THE REMAINING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

4 BAGGED GRAVEL CURB INLET PROTECTION DETAIL

NOT–TO–SCALE



SECTION "A–A"

GENERAL NOTES

1. THE SANDBAGS SHOULD BE FILLED WITH WASHED PEA GRAVEL AND STACKED TO FORM A CONTINUOUS BARRIER ABOUT 1 FOOT HIGH AROUND INLETS.

2. THE BAGS SHOULD BE TIGHTLY ABUTTED AGAINST EACH OTHER TO PREVENT RUNOFF FROM FLOWING BETWEEN THE BAGS.

INSPECTION AND MAINTENANCE GUIDELINES

1. INSPECTION SHOULD BE MADE WEEKLY AND AFTER EACH RAINFALL. REPAIR OR REPLACEMENT SHOULD BE MADE PROMPTLY AS NEEDED BY THE CONTRACTOR.

2. REMOVE SEDIMENT WHEN BUILDUP REACHES A DEPTH OF 3 INCHES. REMOVED SEDIMENT SHOULD BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MATTER THAT IT WILL NOT ERODE.

3. CHECK PLACEMENT OF DEVICE TO PREVENT GAPS BETWEEN DEVICE AND CURB.

4. INSPECT FILTER FABRIC AND PATCH OR REPLACE IF TORN OR MISSING.

5. STRUCTURES SHOULD BE REMOVED AND THE AREA STABILIZED ONLY AFTER THE REMAINING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

5 BAGGED GRAVEL GRATE INLET PROTECTION DETAIL

NOT–TO–SCALE

PLAN VIEW

SECTION "A–A"

GENERAL NOTES

1. DETAIL ABOVE ILLUSTRATES MINIMUM DIMENSIONS. PIT CAN BE INCREASED IN SIZE DEPENDING ON EXPECTED FREQUENCY OF USE.

2. WASHOUT PIT SHALL BE LOCATED IN AN AREA EASILY ACCESSIBLE TO CONSTRUCTION TRAFFIC.

3. WASHOUT PIT SHALL NOT BE LOCATED IN AREAS SUBJECT TO INUNDATION FROM STORM WATER RUNOFF.

4. LOCATE WASHOUT AREA AT LEAST 50 FEET FROM SENSITIVE FEATURES, STORM DRAINS, OPEN DITCHES OR WATER BODIES.

5. TEMPORARY CONCRETE WASHOUT FACILITY SHOULD BE CONSTRUCTED WITH SUFFICIENT QUANTITY AND VOLUME TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.

MATERIALS

PLASTIC LINING MATERIAL SHOULD BE A MINIMUM OF 10 MIL IN POLYETHYLENE SHEETING AND SHOULD BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL.

MAINTENANCE

1. WHEN TEMPORARY CONCRETE WASHOUT FACILITIES ARE NO LONGER REQUIRED FOR THE WORK, THE HARDENED CONCRETE SHOULD BE REMOVED AND DISPOSED OF.

2. MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES SHOULD BE REMOVED FROM THE SITE OF THE WORK AND DISPOSED OF.

3. HOLES, DEPRESSIONS OR OTHER GROUND DISTURBANCES CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITIES SHOULD BE BACKFILLED AND REPAIRED.

6 CONCRETE TRUCK WASHOUT PIT DETAIL

NOT–TO–SCALE

PLAN VIEW

SECTION "A–A"

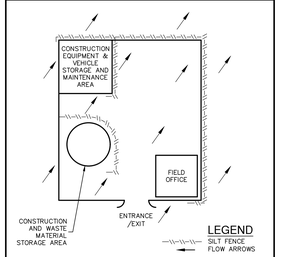
NOTES:
1. THE FILTER BAG MATERIAL SHALL BE MADE OF POLYPROPYLENE, POLYETHYLENE OR POLYAMIDE WOVEN FABRIC, MIN. UNIT WEIGHT OF 4 OUNCES/SY, HAVE A MULLEN BURST STRENGTH EXCEEDING 300 PSI AND ULTRAVIOLET STABILITY EXCEEDING 70%.

2. THE FILTER BAG SHALL BE FILLED WITH CLEAN, MEDIUM WASHED PEA GRAVEL TO COARSE GRAVEL (0.31 TO 0.75 INCH DIAMETER).

3. SAND SHALL NOT BE USED TO FILL THE FILTER BAGS.

GRAVEL FILTER BAG DETAIL

NOT–TO–SCALE



7 CONSTRUCTION STAGING AREA

NOT–TO–SCALE

THE ENGINEERING SEAL HAS BEEN AFFIXED TO THIS SHEET ONLY FOR THE PURPOSE OF DEMONSTRATING COMPLIANCE WITH THE TPDES–STORM WATER POLLUTION PREVENTION PLAN (SWP3) REGULATIONS.

THIS SHEET HAS BEEN PREPARED FOR PURPOSES OF THE SWP3 ONLY. ALL OTHER CIVIL ENGINEERING RELATED INFORMATION SHOULD BE ACQUIRED FROM THE APPROPRIATE SHEET IN THE CIVIL IMPROVEMENT PLANS.

EXHIBIT 3

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This document is not to be used for CONSTRUCTION.

Seal / Signature

△ Date	Description
05/19/2023	50% SCHEMATIC DESIGN
08/24/2023	100% SCHEMATIC DESIGN
09/08/2023	50% DD PROGRESS PRINT
10/26/2023	100% DESIGN DEVELOPMENT
01/05/2024	AREA 5 DEMOLITION MOBILIZATION
06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
11078-71

Description
STORMWATER POLLUTION PREVENTION PLAN

Scale

PAPE-DAWSON ENGINEERS
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TBPE FIRM REGISTRATION #470 | TBPLS FIRM REGISTRATION #10028800

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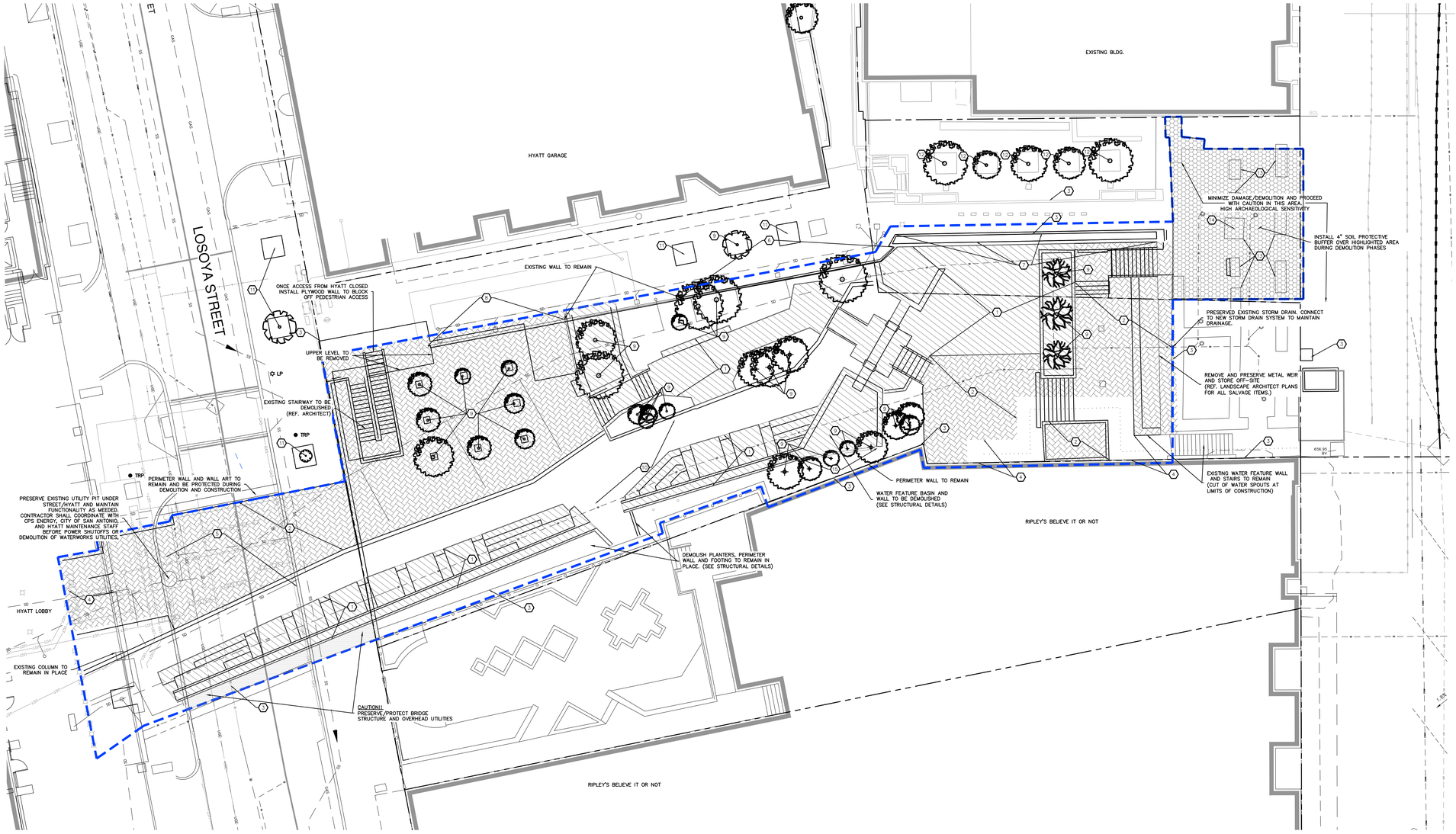

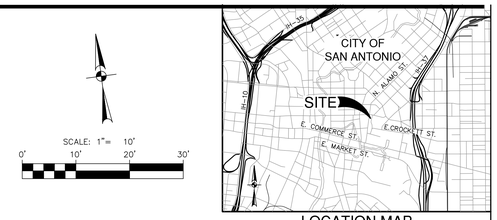

LOCATION MAP
NOT-TO-SCALE

SCALE: 1" = 10'
0' 10' 20' 30'

PROPERTY LINE
PHASE 5 PROJECT LIMITS
DEMOLITION LIMITS – PHASE 1
EXISTING CURB
EXISTING FEATURE TO REMAIN
EXISTING UTILITIES
FIRE HYDRANT
WATER
SEWER
DRAINAGE
UNDERGROUND ELECTRIC
OVERHEAD ELECTRIC
COMMUNICATION
GAS
DEMOLISHED FEATURES
PROPOSED CONSTRUCTION
SAWCUT LINE
EXISTING BUILDING
EXISTING TREES (REF. LANDSCAPE TREE PROTECTION/DEMO PLANS)
TREES TO BE REMOVED (REF. LANDSCAPE TREE PROTECTION/DEMO PLANS)
REMOVE EXISTING PAVERS AND HARDSCAPE TO GROUND SURFACE
DEMOLISH EXISTING PASEO DE ALAMO HARDSCAPE ABOVE 24" CONCRETE MAT SLAB
INSTALL 4" PROTECTIVE BUFFER OVER HIGHLIGHTED AREA DURING DEMOLITION
TREE PROTECTION FENCING FOR GRAPHICAL PURPOSE ONLY (REF. LANDSCAPE PLANS FOR DETAILS)

KEYED NOTES

1. DEMOLISH EXISTING PASEO DE ALAMO HARDSCAPE ABOVE 24" CONCRETE MAT SLABS (REF. STRUCTURAL FOR LIMITS OF STEPPED SLABS).
2. REMOVE EXISTING PAVERS AND HARDSCAPE TO GROUND SURFACE
3. PRESERVE AND PROTECT EXISTING WALL/BUILDING(TYP.)
4. MAINTAIN BUILDING EXIT IN COORDINATION WITH ADJACENT BUILDING OWNER AND LIFE SAFETY REQUIREMENTS.(5' MIN. WIDTH) PROVIDE EXIT TO STREET LEVEL AT ALL TIMES DURING DEMOLITION.
5. PRIOR TO DISTURBING EXISTING FLATWORK AT LEVEL OF RIVERWALK/BEER GARDEN/ATT WALKWAY, CONTRACTOR SHALL PREPARE AN APPROPRIATE DEWATERING PLAN
6. EXISTING WALL TO BE PARTIALLY DEMOLISHED (REFER TO STRUCTURAL PLANS FOR DETAILS)
7. EXISTING PLANTER/WATER FEATURE TO BE DEMOLISHED (REFER TO STRUCTURAL PLANS FOR DETAILS)
8. EXISTING WALL TO BE MODIFIED (REFER TO STRUCTURAL AND ARCHITECTURAL PLANS FOR DETAILS)
9. EXISTING TREE TO BE REMOVED (REF. LANDSCAPE PLANS FOR TREE PROTECTION/REMOVAL)
10. WATER BASIN SLAB TO BE DEMOLISHED. PRESERVE 24" MAT SLAB UNDERNEATH. (REFER TO STRUCTURAL PLANS FOR DETAILS)
11. EXISTING TREE TO REMAIN (REF. LANDSCAPE PLANS FOR PRESERVATION AND PROTECTION)
12. EXISTING TREE TO REMAIN DURING PHASE 1 DEMOLITION. COORDINATION WITH ARBORIST IS REQUIRED TO PROTECT AND PRESERVE TREES
13. DEMOLISH ROCK WALL TO GRADE OF PAVEMENT. COODINATE WITH ATI ARCHAEOLOGIST TO DOCUMENT REMOVED STONE AND STORE WITH ATI AS DIRECTED.
14. CAUTION!! ARCHEOLOGICAL FEATURE. AVOID DEBRIS, DUST AND MOISTURE ENTERING FEATURE. ONCE ENCLOSURE REMOVED, ONCE LEVEL WITH GROUND, COVER WITH 1" STEEL PLATE/CAULK AROUND PERIMETER, AND COVER STEEL PLATE/CAULK. CONFIRM WITH ARCHAEOLOGIST BEST PRACTICE TO PROTECT DURING DEMOLITION AND CONSTRUCTION.
15. SOIL AND EXISTING WALL TO REMAIN

TREE PRESERVATION

REFERENCE LANDSCAPE PLANS FOR REQUIREMENTS

UTILITY DEMOLITION

SEE SHEET C6.00 FOR UTILITY DEMOLITION

DEMOLITION NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL NECESSARY PERMITS/APPROVALS BEFORE BEGINNING DEMOLITION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING FROM THE SITE ALL ITEMS SHOWN TO BE DEMOLISHED UNLESS OTHERWISE INDICATED. ALL MATERIALS SHALL BE DEMOLISHED AND REMOVED FROM SITE IN ACCORDANCE WITH ALL APPLICABLE, FEDERAL, STATE AND LOCAL REGULATIONS.
3. ALL EXISTING ITEMS NOT SPECIFICALLY NOTED TO BE DEMOLISHED SHALL REMAIN. CONTRACTOR IS RESPONSIBLE FOR REPLACING EXISTING ITEMS REMOVED DURING DEMOLITION THAT WERE TO REMAIN.
4. CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH ALL UTILITY COMPANIES REGARDING REMOVAL OF EXISTING SERVICES. POWER POLES TO BE REMOVED, VERIFYING UTILITIES ARE SHUT OFF OR DISCONNECTED, AND THAT ALL POSSIBLE SAFETY PRECAUTIONS HAVE BEEN ENACTED TO ENSURE THE SAFEST ENVIRONMENT FOR ALL PERSONNEL.
5. LOCATION AND DEPTH OF EXISTING UTILITIES SHOWN HEREON ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO THE CONSTRUCTION AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, THROUGHOUT ALL PHASES OF CONSTRUCTION.
6. ALL NECESSARY EROSION CONTROL MEASURES ARE TO BE IN PLACE PRIOR TO CONSTRUCTION. EROSION CONTROL MEASURES ARE TO BE MAINTAINED AND IN WORKING CONDITION AT ALL TIMES.
7. THE CONTRACTOR SHALL SAW CUT EXISTING PAVEMENT, CURBS AND SIDEWALKS AT NEW PAVEMENT, CURB AND SIDEWALK JUNCTURES, NO JAGGED OR IRREGULAR CUTS WILL BE ACCEPTED.
8. THE CONTRACTOR SHALL PROTECT ALL PROPERTY PINS, BENCH MARKS, CONSTRUCTION STAKES, HUBS, OR OTHER KEY CONTROL POINTS. THE CONTRACTOR SHALL BE RESPONSIBLE TO RE-ESTABLISH ANY SUCH POINTS AT THEIR OWN EXPENSE.
9. DEMOLITION CONTRACTOR IS RESPONSIBLE FOR CLEARING THE SITE OF ALL OBSTRUCTIONS THAT EXIST ON THIS SITE PRIOR TO THE START OF CONSTRUCTION OR DURING THE CONSTRUCTION SO AS TO NOT IMPEDE THE BUILDING CONSTRUCTION CONTRACTOR.
10. CONTRACTOR SHALL COORDINATE WITH THE OWNER TO IDENTIFY ANY MATERIAL OR EQUIPMENT SCHEDULED FOR REMOVAL TO BE SALVAGED AND REUSED. CONTRACTOR SHALL REPLACE AT HIS EXPENSE ANY DESTROYED MATERIAL OR EQUIPMENT THAT WAS MARKED FOR SALVAGE.
11. NO EXISTING ASPHALT OR CONCRETE PAVING SCHEDULED FOR REMOVAL SHALL REMAIN ON-SITE OR BE USED AS FILL MATERIAL. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL HAZARDOUS MATERIAL OFFSITE FOLLOWING ALL APPLICABLE DISPOSABLE REGULATIONS.
12. CONTRACTOR SHALL REMOVE ALL EXISTING IRRIGATION PIPING ON SITE CUT AND CAP LATERALS AT PROJECT LIMITS TO ALLOW PROPER FUNCTION OF ZONES EXTENDING OFF-SITE.
13. CONTRACTOR SHALL NOT DEMOLISH ANY PUBLIC WATER OR SANITARY SEWER LINES WITHOUT APPROVAL. EXISTING WATER AND SANITARY SEWER SERVICES SHALL REMAIN OPERATIONAL UNTIL NEW SERVICE IS COMPLETE. CUT AND CAP ANY ABANDONED SANITARY SEWER AND WATER SERVICES AT THE EXISTING MAIN. NO ABANDONED SERVICES SHALL REMAIN CONNECTED TO THE PUBLIC MAIN.
14. THE USE OF EXPLOSIVES WILL NOT BE PERMITTED.
15. ALL WASTE MATERIAL REMAINING AFTER OWNER SALVAGE IS COMPLETE AND RESULTING FROM DEMOLITION OPERATIONS BECOMES THE PROPERTY OF THE CONTRACTOR. APPROPRIATE DISPOSAL OF WASTE MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT HIS OWN EXPENSE. OWNER WILL PROVIDE LIST OF ITEMS TO BE SALVAGED.
16. THE CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITED TO: WATER, SEWER, TELEPHONE, FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCT BANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT THE CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.
17. THE CONTRACTOR SHALL MAINTAIN THE SITE IN A CLEAN AND ORDERLY MANNER.
18. THE CONTRACTOR SHALL MEET ALL LOCAL, STATE, AND FEDERAL REGULATIONS FOR DUST CONTROL. THE CONTRACTOR SHALL BE RESPONSIBLE AT THEIR OWN EXPENSE FOR ANY FUGITIVE DUST ON ADJOINING PROPERTIES.

NOTE:
REFERENCE SHEET C0.01 FOR GENERAL CONSTRUCTION NOTES

GENERAL NOTES

1. ALL EXISTING ITEMS/UTILITIES NOT SPECIFICALLY NOTED TO BE REMOVED SHALL REMAIN AND SHALL BE PROTECTED FROM DAMAGE. ANY ITEMS OR UTILITIES REMOVED OR DAMAGED DURING DEMOLITION THAT WERE TO REMAIN SHALL BE REPLACED BY CONTRACTOR AT CONTRACTOR'S OWN EXPENSE.
2. ALL EXISTING TREES SHALL REMAIN UNLESS IDENTIFIED FOR DEMOLITION ON PLAN. ALL TREES TO REMAIN SHALL BE PROTECTED. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER SHOULD ANY QUESTIONS ARISE REGARDING EXISTING TREES. ALL TREE WOUNDS AND CUT ROOTS SHALL BE PAINTED IMMEDIATELY TO PREVENT SPREAD OF OAK WILT DISEASE.
3. THE CONTRACTOR SHALL SAW CUT EXISTING PAVEMENT, CURBS, AND SIDEWALKS AT LOCATIONS SHOWN ON THE PLANS. NO JAGGED OR IRREGULAR CUTS IN PAVEMENT, CURBS, OR SIDEWALK WILL BE ALLOWED OR ACCEPTED.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS, TESTS, APPROVALS, AND ACCEPTANCES REQUIRED TO COMPLETE CONSTRUCTION OF THIS PROJECT.
5. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND ENGINEER REGARDING ANY QUESTIONS FOR DEMOLITION WORK ON THIS PROJECT.
6. EXISTING UTILITIES SHOWN ON THIS LAYOUT WERE OBTAINED FROM A SURVEY OF VISIBLE FEATURES AT THE SITE AND RECORD MAPS. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND EXPOSING CONFLICTS PRIOR TO CONSTRUCTION.
7. CONTRACTOR SHALL BE REQUIRED TO LOCATED ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITED TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT THE CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THE PLANS OR NOT.
8. CONTRACTOR IS RESPONSIBLE FOR PROTECTING AND MAINTAINING UTILITY SERVICE TO ANY EXISTING FACILITIES AT ALL TIMES. OWNER TO BE NOTIFIED 48 HOURS IN ADVANCE OF ANY UTILITY SHUTDOWN.
9. REF. LANDSCAPE PLANS FOR TREE REMOVAL IF CONTAMINATED SOILS OR MATERIALS ARE PRESENT, COMPLY WITH ALL REGULATIONS AND ENVIRONMENTAL RECOMMENDATIONS.

CAUTION!!!
CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITED TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT THE CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

CAUTION!!!
THE LOCATIONS OF EXISTING UTILITIES, SITE LIGHTING CIRCUIT, AND IRRIGATION LINES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND DEPTH OF UNDERGROUND UTILITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION:

TEXAS ONE CALL 1-800-545-6005
SAWS 233-2009

WHETHER SHOWN ON PLANS OR NOT, AND TO PROTECT THE SAME DURING CONSTRUCTION. CONTRACTOR SHALL EXPOSE PROPOSED UTILITY CROSSINGS PRIOR TO CONSTRUCTION OF SANITARY SEWER, STORM DRAINAGE, AND OTHER UTILITIES. CONTRACTOR SHALL COORDINATE WORK WITH SHOPPING CENTER OWNER.

TRENCH EXCAVATION SAFETY PROTECTION

CONTRACTOR AND/ OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/ GEOTECHNICAL/ SAFETY/ EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLY WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

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06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
11078-71

Description
DEMOLITION PLAN

Scale

C0.40

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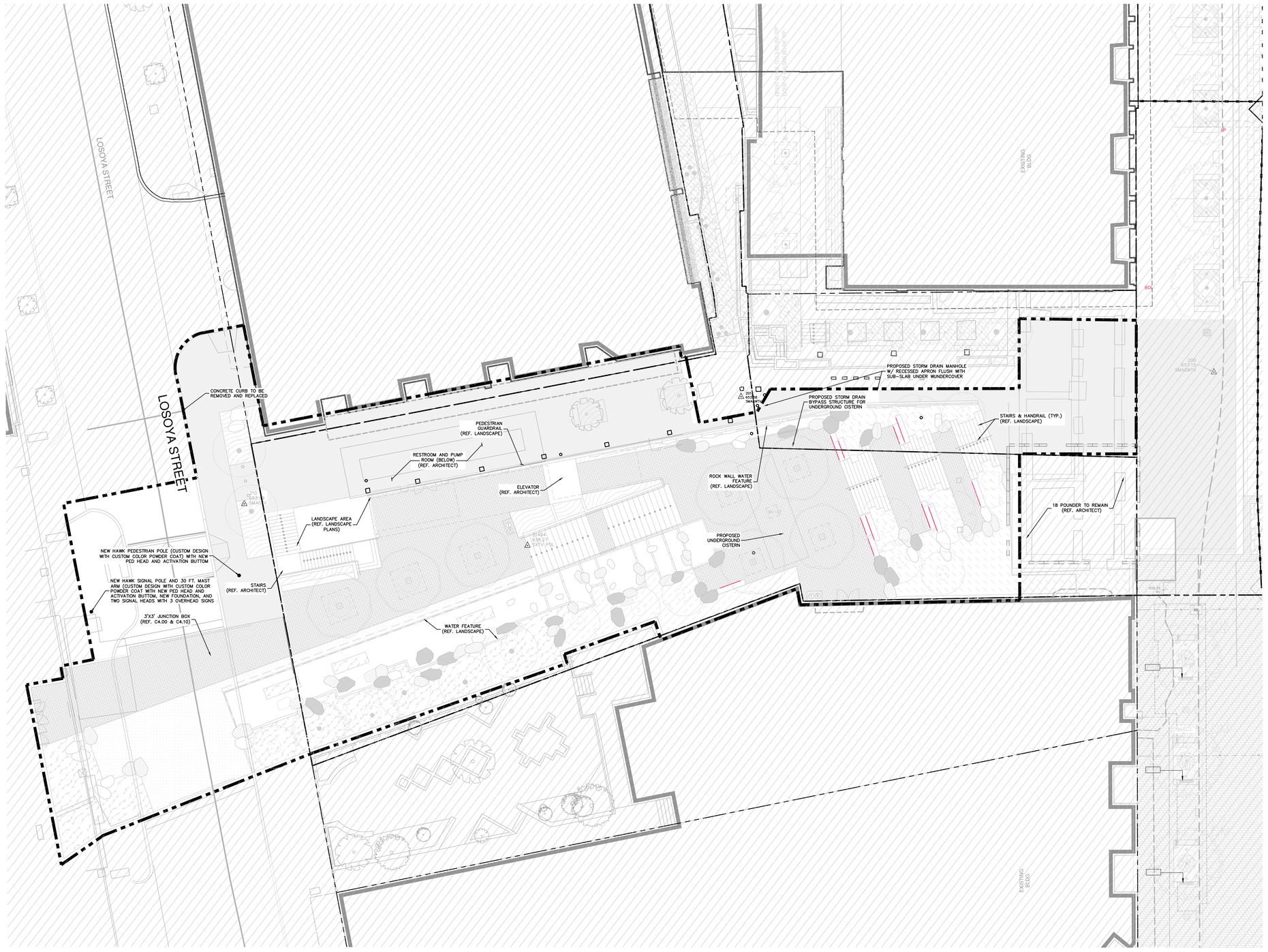

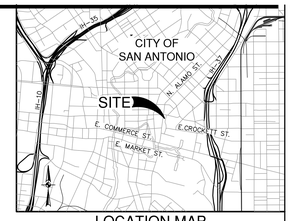

LOCATION MAP
NOT-TO-SCALE

SCALE: 1"= 10'
0' 10' 20' 30'

LEGEND

- PROPERTY LINE
- EXISTING EDGE OF CURB
- PROPOSED STANDARD CURB (REF. C1.10)
- PROPOSED HEADER CURB (REF. C1.10)
- PROPOSED PAVERS (REF. LANDSCAPE PLANS)
- PROPOSED PLANTING/SOFTSCAPE (REF. LANDSCAPE PLANS)
- LIMITS OF WORK

NOTE:
REFERENCE SHEET C0.01 FOR GENERAL CONSTRUCTION NOTES

"NAD83 DATUM" CONTROL/BENCHMARK POINTS (SEE NOTE #1 BELOW)

POINT #	NORTHING	EASTING	ELEVATION	FULL DESCRIPTION
200	13,705,003.87	2,132,158.17	657.15	SET MAG NAIL & WASHER
210	13,705,003.13	2,131,890.56	653.49	SET MAG NAIL
21494	13,704,981.63	2,131,965.83	638.27	FOUND BRASS DISK

DIMENSIONAL CONTROL NOTES

1. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY QUESTIONS THAT MY ARISE CONCERNING THE INTENT, PLACEMENT OR LIMITS OF DIMENSIONS NECESSARY FOR CONSTRUCTION OF THE PROJECT.
2. THE CONTRACTOR SHALL PRESERVE ALL CONTROL POINTS, PROPERTY PINS, BENCH MARKS, HUBS OR OTHER KEY CONTROL POINTS. THE CONTRACTOR SHALL BE RESPONSIBLE TO RE-ESTABLISH ANY SUCH POINTS AT THEIR OWN EXPENSE IN THE EVENT THEY ARE REMOVED.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO THE START OF CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING ALL HORIZONTAL AND VERTICAL CONTROL PER THE CONSTRUCTION DRAWINGS.
5. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL USE THE PROPERTY PINS FOR HORIZONTAL CONTROL POINTS. BENCHMARKS ARE NOT TO BE USED FOR HORIZONTAL CONTROL.
6. ALL DIMENSIONAL CONTROL POINTS OR DIMENSIONS ARE TO THE FACE OF CURB, FACE OF RETAINING WALL, AND CENTER OF PAINT STRIPING. ALL DIMENSIONS ARE PERPENDICULAR TO THE POINT OF REFERENCE.
7. REFER TO THE ARCHITECTURAL PLANS FOR ADDITIONAL DIMENSIONAL CONTROL INFORMATION.
8. CURB RADII ARE 3' UNLESS OTHERWISE NOTED ON THE DRAWINGS.

PAVEMENT & STRIPING NOTES

1. ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THIS SCOPE OF WORK WHERE NOT SPECIFICALLY COVERED IN THE SPECIFICATIONS OR GEOTECHNICAL REPORT SHALL CONFORM TO ALL APPLICABLE CITY, COUNTY OR TXDOT STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (LATEST EDITION).
2. THE CONTRACTOR SHALL LOCATE AND PROTECT ALL EXISTING UTILITY AND STORM DRAIN SYSTEMS PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING TO ITS ORIGINAL, OR BETTER, CONDITION ANY DAMAGE DONE TO EXISTING TREES, BUILDINGS, UTILITIES, FENCES, PAVEMENT, CURBS, OR DRIVEWAYS (NO SEPARATE PAY ITEMS).
4. THE CONTRACTOR SHALL VERIFY ELEVATIONS AND LOCATIONS OF EXISTING FACILITIES AND NOTIFY THE ENGINEER OF ANY CONFLICTS PRIOR TO BEGINNING CONSTRUCTION.
5. ALL PAINT SHALL BE 4" WIDE REFLECTIVE PAINT: WHITE ON ASPHALT PAVING AND YELLOW ON CONCRETE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
6. ALL PAVEMENT MARKINGS SHALL RECEIVE TWO COATS OF PAINT.
7. NO WORK SHALL BE PERFORMED IN A PUBLIC RIGHT-OF-WAY WITHOUT A PERMIT.
8. ALL SIGNS SHALL CONFORM TO MUTCD, LATEST EDITION.
9. THE CONTRACTOR SHALL SAW CUT EXISTING PAVING, CURBS, AND SIDEWALKS TO PROVIDE A SMOOTH TRANSITION. NO JAGGED OR IRREGULAR EDGES WILL BE ALLOWED.
10. ALL CURBS SHALL BE 6" UNLESS OTHERWISE NOTED.
11. ALL STANDARD PERPENDICULAR PARKING STALLS ARE 9' X 18' AND COMPACT PARKING STALLS ARE 8' X 16' UNLESS DIMENSIONED OTHERWISE.

NOTE: SEPARATE CONTROL SHEET AVAILABLE UPON REQUEST. CONTRACTOR TO CONFIRM CONTROL IS CONSISTENT WITH FINAL LANDSCAPE AND STRUCTURAL PLANS.

NOTE: PER UDC SECTION 35-506 (a)(1)(C)(2), EXISTING AND PROPOSED SIDEWALK, CURB, RAMPS, AND DRIVE APPROACHES, WHETHER ONSITE OR IN THE RIGHT-OF-WAY, SHALL COMPLY WITH TEXAS ACCESSIBILITY STANDARDS AND CURRENT CITY OF SAN ANTONIO DESIGN STANDARDS.

NOTE: ALL RIGHT-OF-WAY IMPROVEMENTS TO BE INSPECTED AND ACCEPTED BY CITY OF SAN ANTONIO (COSA).

NOTE:
REFERENCE LANDSCAPE SHEETS FOR ADDITIONAL DIMENSIONAL CONTROL, JOINTING PLAN AND MATERIAL DESCRIPTIONS

NOTE:
ALL TREES TO SIT IN SILVA CELL STRUCTURES. REFERENCE LANDSCAPE ARCHITECT PLANS FOR DETAILS

TRENCH EXCAVATION SAFETY PROTECTION

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Project Name
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Project Number
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Description
DIMENSIONAL CONTROL PLAN

Scale

C1.00

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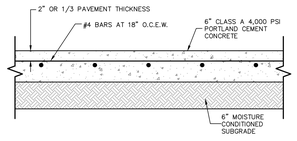

1 CONCRETE PAVEMENT SECTION

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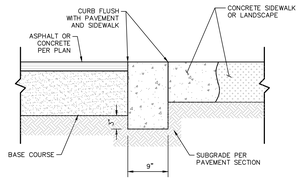

4 HEADER CURB DETAIL

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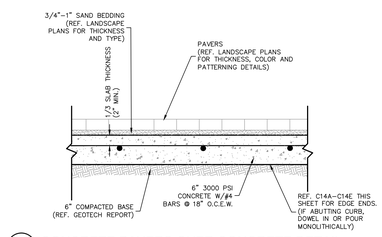

8 CONCRETE PAVERS OVER CONCRETE DETAIL

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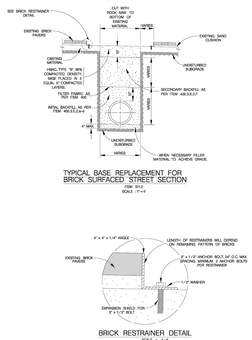

12 PAVER SURFACED STREET PAVEMENT REPLACEMENT

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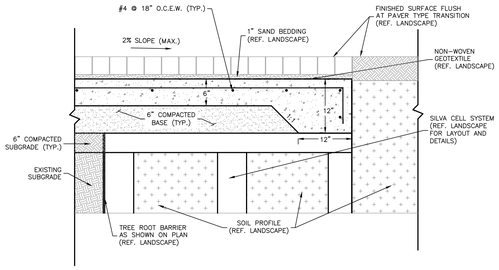
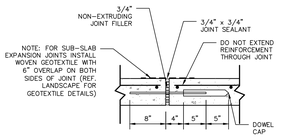


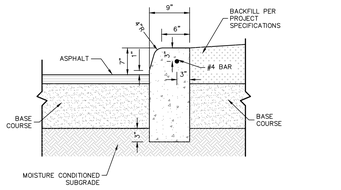
14C SUB-SLAB AT PAVER WITH SOIL CELL DETAIL

NOT-TO-SCALE



NOTE: ALL JOINTS SHOULD BE SEALED. 3/4" NON-EXTRUDING JOINT FILLER EQUIVALENT TO COMPRESSIBLE JOINT FILLER BOARD WITH BACKER ROD AS SUBMITTED BY CONTRACTOR AND APPROVED BY LANDSCAPE ARCHITECT.

EXPANSION JOINT



5 7" CONCRETE CURB EXTENDED THROUGH BASE

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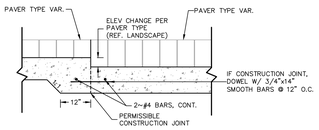

9 SUB-SLAB AT PAVER TRANSITION DETAIL

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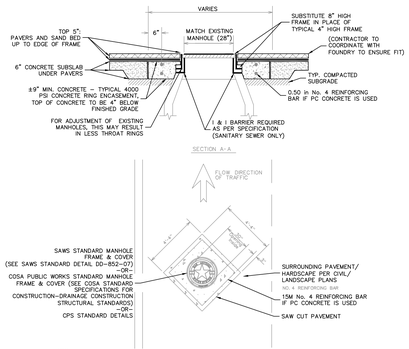

13 MODIFIED MANHOLE RING ENCASEMENT DETAIL

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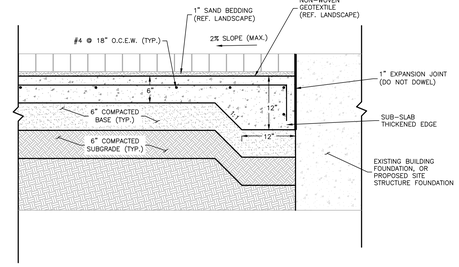
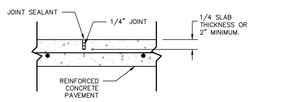


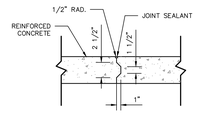
14D SUB-SLAB AT ADJACENT STRUCTURE DETAIL

NOT-TO-SCALE



NOTE: CONTRACTION JOINT MAY BE SAWED, HAND FORMED, OR CREATED BY USE OF PREMOLDED JOINT FILLER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT CONCRETE PAVEMENT MEETS ALL FINISHING REQUIREMENTS AFTER INSTALLATION OF CONTRACTION JOINT.

CONTRACTION JOINT



LONGITUDINAL JOINT

2 CONCRETE JOINT DETAILS

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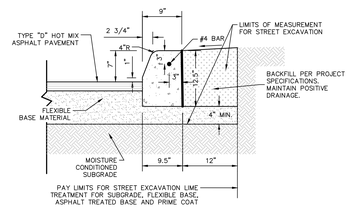

6 COSA 7" CONCRETE CURB DETAIL

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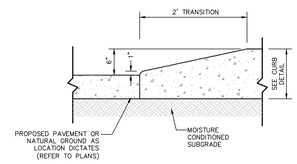

10 CURB TRANSITION DETAIL

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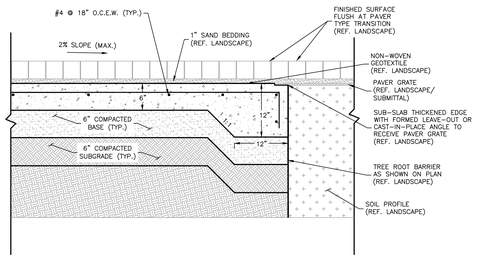
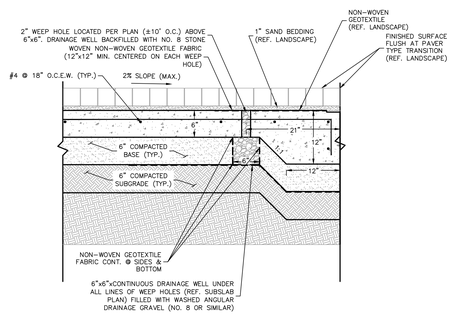


NOTE: REF. LANDSCAPE AND APPROVED SUBMITTALS FOR SPECIFIC PAVER TRAY DETAILS.

14A SUB-SLAB AT PAVER GRATE DETAIL

NOT-TO-SCALE



14E SUB-SLAB DRAINAGE DETAIL

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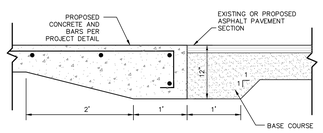

3 CONCRETE/ASPHALT JUNCTURE DETAIL

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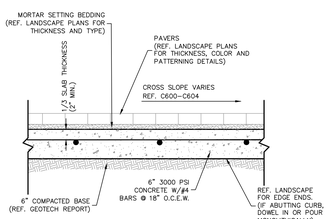
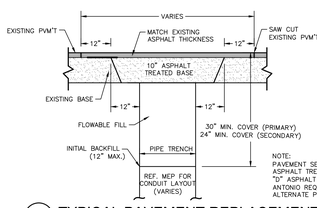


7 STONE PAVERS OVER CONCRETE DETAIL

NOT-TO-SCALE



11 TYPICAL PAVEMENT REPLACEMENT

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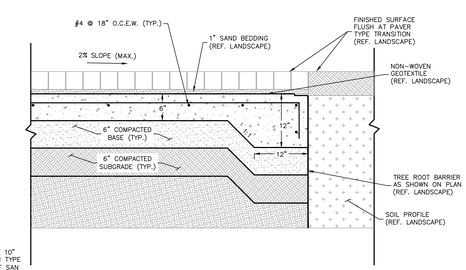

14B SUB-SLAB AT PLANTER EDGE DETAIL

NOT-TO-SCALE

ALAMO TRUST INC.
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518 E. Houston Street
San Antonio, TX 78205

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10/26/2023	100% DESIGN DEVELOPMENT
01/05/2024	AREA 5 DEMOLITION MOBILIZATION
06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name

ALAMO SITE: AREA 5 - LOWER PASEO

Project Number

11078-71

Description

CIVIL DETAILS

Scale

C1.10

PAPE-DAWSON ENGINEERS
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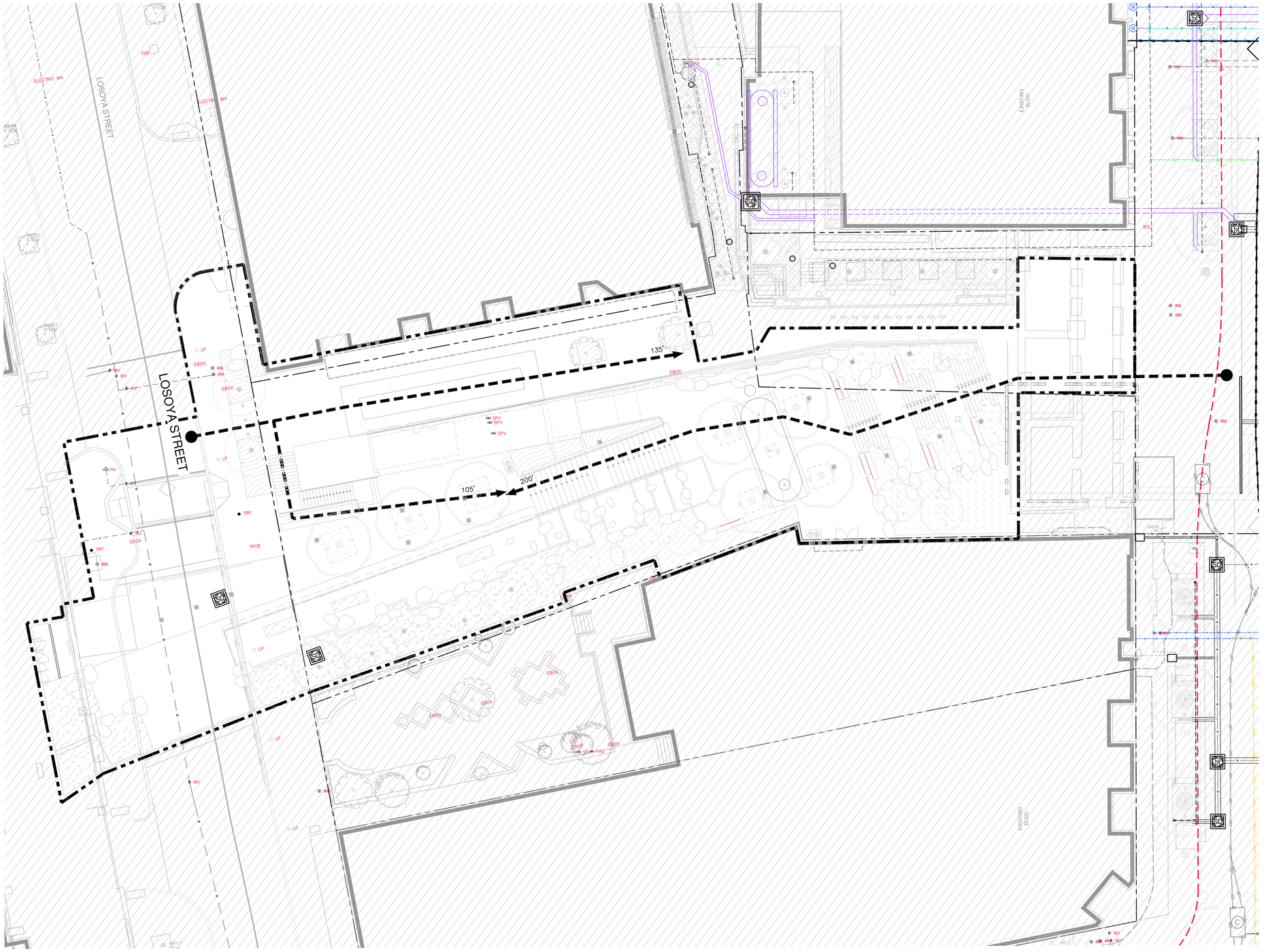
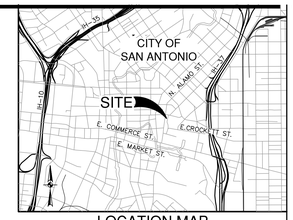
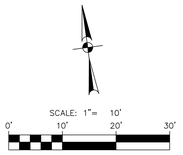




LOCATION MAP
NOT-TO-SCALE



LEGEND

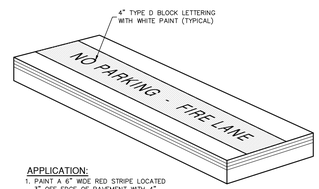
- PROPERTY LINE
- PHASE 5 PROJECT LIMITS
- PROPOSED WATER/FIRE — FIRE HYDRANT; VALVE TEE/RDCR; END CAP
- EXISTING WATER/FIRE — FIRE HYDRANT; END CAP
- HAND PULL FIRE HOSE LAY — 200' MAX
- TRUCK PULL FIRE HOSE LAY — 500' MAX
- PROPOSED FIRE LANE
- EXISTING FIRE LANE

NOTE:
LOSOYA AND ALAMO PLAZA ALL EXISTING LANES (DO NOT STRIPE)

NOTE:
REFERENCE SHEET C0.01 FOR GENERAL CONSTRUCTION NOTES

FIRE PROTECTION NOTES

1. FIRE LANES SHALL HAVE A MINIMUM 20 FT. WIDTH, A MINIMUM INSIDE TURNING RADIUS OF 25 FT., & A MINIMUM OUTSIDE TURNING RADIUS OF 50 FT., UNLESS OTHERWISE NOTED.
2. FIRE LANES NEXT TO FIRE HYDRANTS OR DESIGNATED FOR AERIAL APPARATUS SHALL BE A MINIMUM OF 26 FT.
3. FIRE LANES SHALL BE DESIGNATED IN ACCORDANCE TO THE LATEST INTERNATIONAL FIRE CODE AND PER APPLICABLE LOCAL AMENDMENTS.
4. CONTRACTOR SHALL COORDINATE WITH THE FIRE MARSHAL TO CONFIRM EXISTING FIRE LANE SIGNAGE MEETS CODE REQUIREMENTS AND/OR TO CONFIRM LOCATION OF ANY NEW SIGNAGE REQUIRED.
5. NON-SPRINKLERED BUILDINGS TRUCK HOSE LAY WILL CONSIST OF 350 FT. OF SUPPLY LINE AS DEPLOYED BY TRUCK, AND 150 FT. OF HOSE DEPLOYED BY HAND.
6. SPRINKLERED BUILDINGS WILL BE INCREASED TO 550 FT. OF SUPPLY LINE AS DEPLOYED BY TRUCK, AND 200 FT. OF HOSE DEPLOYED BY HAND.



APPLICATION:
1. PAINT A 6" WIDE RED STRIPE LOCATED 3" OFF EDGE OF PAVEMENT WITH 4" WHITE LETTERING ON RED STRIPE.
2. SEE THIS SHEET FOR CURB TYPES & LOCATIONS.
3. 40 FOOT SPACING BETWEEN THE BEGINNING OF THE WHITE LETTERING.

NOTE:
LIMITS OF FIRE LANE STRIPE AS SHOWN ON THE FIRE PROTECTION SITE PLAN

COSA - FIRE LANE MARKING DETAIL
NOT-TO-SCALE

NOTE: REF. ARCHITECTURAL AND FIRE PROTECTION PLANS FOR BUILDING FIRE PROTECTION

NOTE: PRESSURE ZONE 3 – ALL PIPE SHALL BE C-900 CLASS 150 (DR18) UNLESS OTHERWISE NOTED ON THE PLAN

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Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
11078-71

Description
FIRE PROTECTION PLAN

Scale

C1.20

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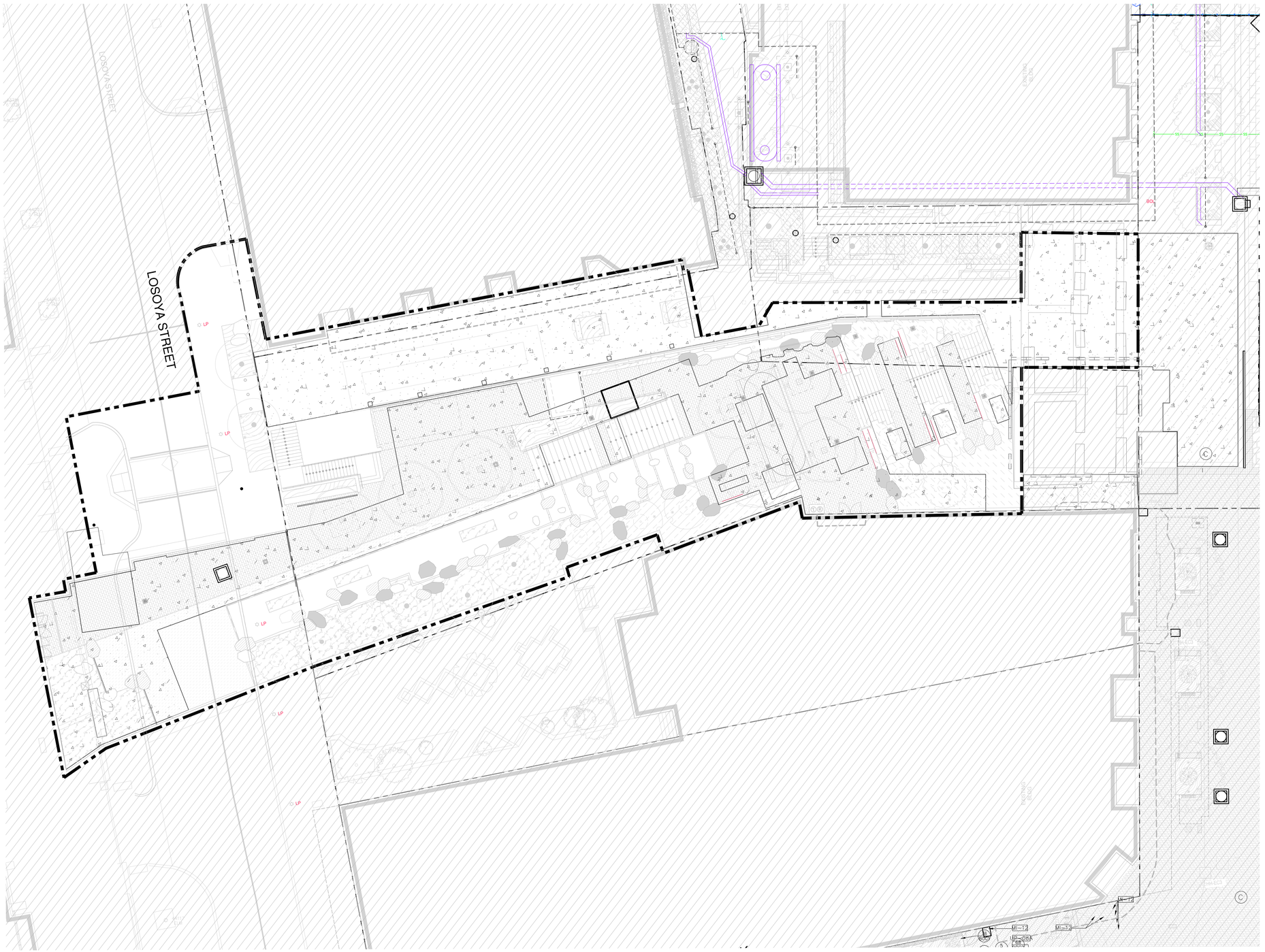
LOSOYA STREET
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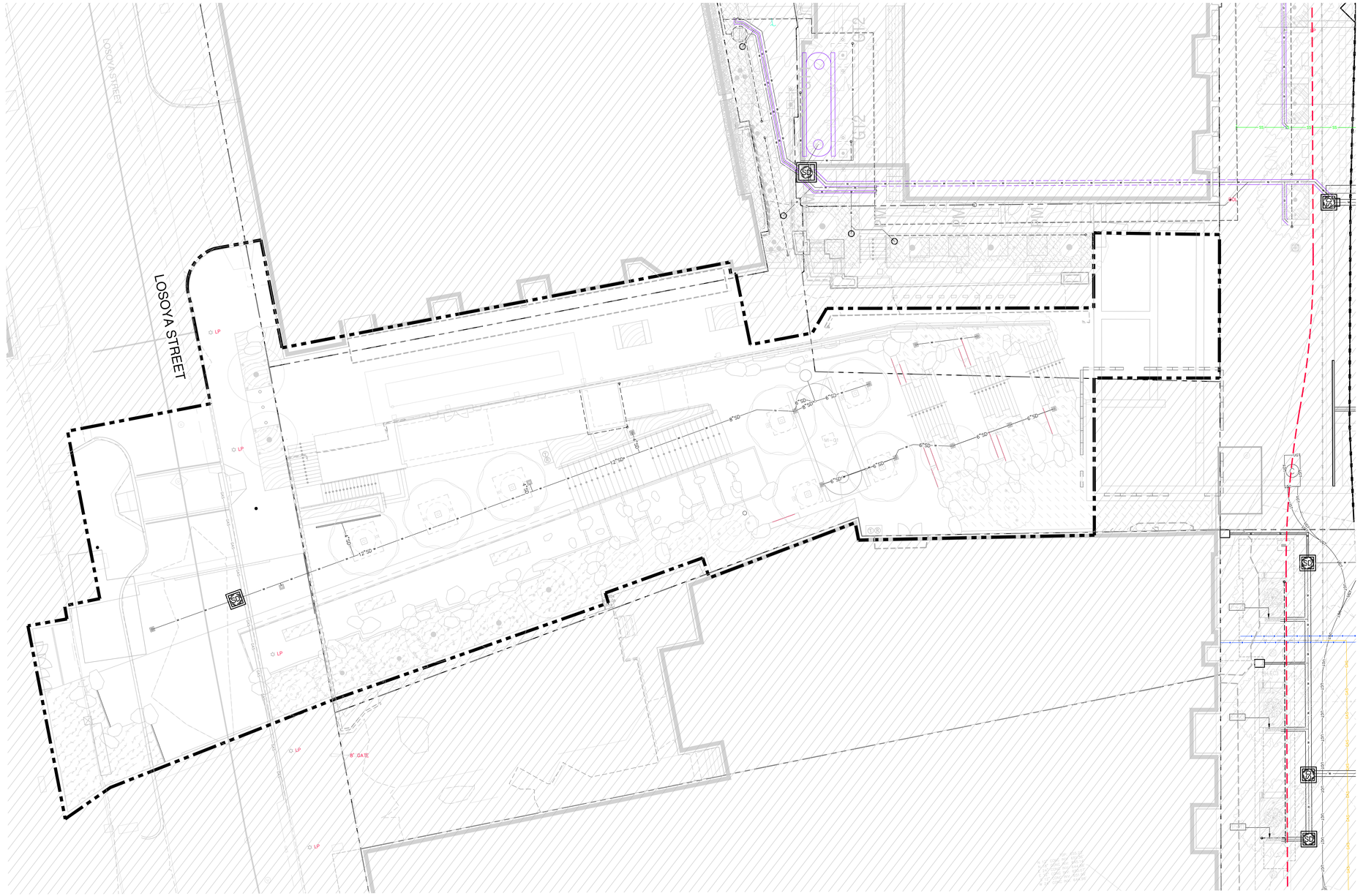
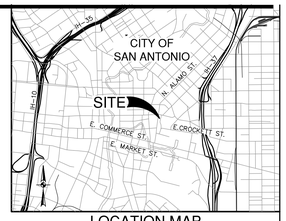
LP





LOCATION MAP
NOT-TO-SCALE

SCALE: 1"= 10'
0' 10' 20' 30'

LEGEND

- PROPERTY LINE
- PHASE 2C PROJECT LIMITS
- EXISTING CURB
- PROPOSED STANDARD CURB
- EXISTING CONTOURS
  - 5 FT CONTOUR (885)
  - 1 FT CONTOUR (884)
- PROPOSED CONTOURS
  - 5 FT CONTOUR (885)
  - 1 FT CONTOUR (884)
- EXISTING SPOT ELEVATIONS (+885.00)
- PROPOSED SPOT ELEVATIONS (+85.00)
- EXISTING DIRECTIONAL FLOW ARROW
- PROPOSED DIRECTIONAL FLOW ARROW

NOTE:
REFERENCE SHEET C0.01 FOR GENERAL CONSTRUCTION NOTES

NOTE: PER UDC SECTION 35-506 (a)(1)(C)(2), EXISTING AND PROPOSED SIDEWALK, CURB RAMPS, AND DRIVE APPROACHES, WHETHER ONSITE OR IN THE RIGHT-OF-WAY, SHALL COMPLY WITH TEXAS ACCESSIBILITY STANDARDS AND CURRENT CITY OF SAN ANTONIO DESIGN STANDARDS.

NOTE: ALL RIGHT-OF-WAY IMPROVEMENTS TO BE INSPECTED AND APPROVED BY CITY OF SAN ANTONIO (COSA)

STORM DRAIN NOTES:

1. ALL STORM DRAIN JUNCTION BOX RINGS AND COVERS SHALL BE BOLTED. ALL GRATE INLETS SHALL HAVE GRATES TACK WELDED ON ALL SIDES.
2. CONTRACTOR SHALL GROUT ALL STORM DRAIN JUNCTION BOXES AND DROP STRUCTURES TO DRAIN.
3. CONTRACTOR SHALL PROVIDE MATERIAL SUBMITTALS TO ENGINEER PRIOR TO STORM DRAINAGE CONSTRUCTION. GENERALLY SDR-26 PVC STORM DRAIN PIPE IS ACCEPTABLE UNDER 18", RCP OR HDPE PIPE IS ACCEPTABLE FROM 18" TO 30", AND RCP IS ACCEPTABLE AT 36" AND ABOVE. OTHER MATERIALS MAY BE CONSIDERED.
4. CONTRACTOR SHALL CONCRETE COLLAR ALL STORM DRAINS DIRECT TIE-INS AND CONNECTIONS TO STRUCTURES.
5. ALL ATRIUM DRAINS TO BE ROUND NDS, POLYOLEFIN GRATE WITH U.V. INHIBITORS, BLACK HDPE (OR APPROVED EQUAL)
6. CONTRACTOR TO SUBMIT ROOF DRAIN DOWNSPOUT BOOT TO UNDERGROUND STORM FOR LANDSCAPE/ARCHITECT APPROVAL PRIOR TO INSTALLATION

CAUTION!!!

CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITED TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE, SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT THE CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

TRENCH EXCAVATION SAFETY PROTECTION

CONTRACTOR AND/ OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/ GEOTECHNICAL/ SAFETY/ EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLY WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

GRADING NOTES:

1. ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THIS SCOPE OF WORK WHERE NOT SPECIFICALLY COVERED IN THE SPECIFICATIONS OR GEOTECHNICAL REPORT SHALL CONFORM TO ALL APPLICABLE CITY, COUNTY AND TXDOT STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (LATEST EDITION).
2. SITE PREPARATION, GRADING, EXCAVATION AND FILL SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT GEOTECHNICAL REPORT AND SPECIFICATIONS.
3. ALL SELECT FILL MATERIAL PROVIDED SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING AND COMPACTING.
4. ALL ELEVATIONS AND PROPOSED CONTOURS SHOWN ON THIS GRADING PLAN REFLECT FINISHED GRADES. THE THICKNESS OF PAVING, BASE, GRASS, TOPSOIL, AND MULCH MUST BE SUBTRACTED TO OBTAIN SUB-GRADE ELEVATIONS.
5. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY QUESTIONS THAT MAY ARISE CONCERNING THE INTENT, PLACEMENT, OR LIMITS OF DIMENSIONS OR GRADES NECESSARY FOR CONSTRUCTION OF THIS PROJECT.
6. THE CONTRACTOR SHALL VERIFY THE SUITABILITY OF ALL EXISTING AND PROPOSED SITE CONDITIONS INCLUDING GRADES AND DIMENSIONS BEFORE COMMENCEMENT OF CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS, TESTS, APPROVALS AND ACCEPTANCES REQUIRED TO COMPLETE CONSTRUCTION OF THIS PROJECT.
8. THE CONTRACTOR SHALL REMOVE TOP SOIL, GRASS, ROOTS, DEBRIS, ETC. AND DISPOSE OFF SITE. THOSE MATERIALS NOT SUITABLE FOR EMBANKMENT AND TOPSOIL. CLEAN STRIPPINGS AND TOPSOIL MAY BE STOCKPILED ON SITE FOR REUSE IN A LOCATION SPECIFIED BY THE OWNER.
9. THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR SITE STABILIZATION. ALL DISTURBED AREAS SHALL BE REVEGETATED IN ACCORDANCE WITH PROJECT SPECIFICATIONS AND TPDES/SWPPP REQUIREMENTS. REFERENCE THE LANDSCAPE ARCHITECT'S PLAN, IF APPLICABLE.
10. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS (USE OF SILT FENCES, ETC.) TO KEEP DRAINAGE AND SILT FROM WASHING ONTO ADJACENT PROPERTY, STREETS, OR DRAINAGE WAYS. CONTRACTOR SHALL IMMEDIATELY REMOVE SILT/DEBRIS WHICH WASHES OFFSITE OR INTO EXISTING STORM DRAIN SYSTEMS. (SEE SWPPP PLANS & TPDES BOOK).
11. THE CONTRACTOR SHALL OBTAIN GRADES SHOWN HEREON WITHIN +/- ONE-TENTH (0.10) FOOT.
12. IN PROPOSED PAVING AREAS, IT IS INTENDED THAT THE MINIMUM GRADE IS 1% ALL EARTHEN SLOPES SHALL BE A MAXIMUM OF 3:1 AND A MINIMUM OF 1.0% UNLESS OTHERWISE SHOWN.
13. THE CONTRACTOR SHALL PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING SITE AND PROPOSED IMPROVEMENTS.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING TO ITS ORIGINAL, OR BETTER, CONDITION ANY DAMAGE DONE TO EXISTING TREES, BUILDINGS, UTILITIES, FENCES, PAVEMENT, CURBS, OR DRIVEWAYS (NO SEPARATE PAY ITEMS).
15. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN WORKING NEAR UTILITIES, GAS LINES, SEWER, OR EXISTING APPURTENANCES. PRIOR TO PERFORMING ANY EXCAVATION, CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND ASSURE HIMSELF THAT ALL UTILITIES HAVE BEEN ADEQUATELY LOCATED AND IDENTIFIED. THE ENGINEER SHALL BE NOTIFIED IF ANY UTILITY CONFLICTS ARE DISCOVERED.
16. UTILITIES SHOWN ON THE PLANS ARE FROM INFORMATION SOURCES AVAILABLE AT THE TIME OF DESIGN BUT MAY NOT REPRESENT ALL EXISTING UTILITIES ON SITE. THE CONTRACTOR WILL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL UTILITIES WHETHER SHOWN ON THE PLANS OR NOT. THE CONTRACTOR SHALL UNCOVER EXISTING UTILITIES PRIOR TO CONSTRUCTION AND VERIFY SIZE, GRADE AND LOCATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY DEVIATIONS FROM PLANS PRIOR TO BEGINNING CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR, AT HIS OWN EXPENSE.
17. POSITIVE DRAINAGE SHALL BE MAINTAINED THROUGHOUT THE SCOPE OF THE PROJECT. DRAINAGE SHALL BE DIRECTED AWAY FROM ALL BUILDING FOUNDATIONS. CONTRACTOR SHOULD TAKE PRECAUTIONS NOT TO ALLOW ANY PONDING OF WATER.
18. FOR FILL PLACEMENT ON HILL SIDES OR STEEP SLOPE AREAS, THE CONTRACTOR SHALL REFERENCE THE PROJECT SPECIFICATIONS AND GEOTECHNICAL REPORT FOR SPECIAL INSTRUCTIONS REGARDING BENCHING.
19. NO WORK SHALL BE PERFORMED IN A PUBLIC RIGHT-OF-WAY WITHOUT A PERMIT.

DRAINAGE NOTES:

1. ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THIS SCOPE OF WORK SHALL COMPLY WITH THE PROJECT GEOTECH REPORT, THE PROJECT SPECIFICATIONS, AND THE CURRENT CITY, COUNTY OR TXDOT STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION'.
2. THE CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITED TO: WATER, SEWER, TELEPHONE, AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCT BANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHALL BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT THE CONTRACTORS SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.
3. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES. THE CONTRACTOR SHOULD EXERCISE EXTREME CAUTION WHEN WORKING NEAR EXISTING UTILITIES AND SHOULD THEY BE DAMAGED DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR WILL BE REQUIRED TO REPAIR OR REPLACE THE DAMAGED FACILITIES AT CONTRACTOR'S EXPENSE.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING TO ORIGINAL OR BETTER CONDITION DAMAGE DONE TO EXISTING FENCES, CURBS, STREETS, DRIVEWAYS, LANDSCAPING AND STRUCTURES.
5. CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ALL WASTE MATERIALS UPON PROJECT COMPLETION.
6. WATER JETTING THE BACKFILL OF UTILITY TRENCHES WILL NOT BE PERMITTED.
7. NORTHINGS AND EASTINGS LISTED ON THESE PLANS ARE TO CENTER OF BOX FOR JUNCTION BOXES AND GRATE INLETS AND TO OUTSIDE CORNER FACE OF CURB FOR ALL CURB AND COMBINATION INLETS. ALL LENGTHS OF PIPE ARE TO INSIDE FACE OF STRUCTURES.
8. CONTRACTOR SHALL ENSURE PROPER SIZE OF JUNCTION BOXES NEEDED WHERE INDICATED ON PLAN. CONTRACTOR SHALL CONNECT STORM DRAIN PIPE TO JUNCTION BOXES PER MANUFACTURES SPECIFICATIONS.
9. ALL STORM DRAIN TO JUNCTION BOX CONNECTIONS SHALL HAVE CONCRETE COLLARS.
10. ALL GRATE INLETS MUST BE H20 RATED GRATES.
11. TOPS OF MANHOLES, JUNCTION BOXES AND GRATES SHALL BE SET FLUSH TO FINISHED SURFACE BASED UPON GRADING PLAN.

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Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
11078-71

Description
C3.00 OVERALL GRADING PLAN

Scale

C3.00

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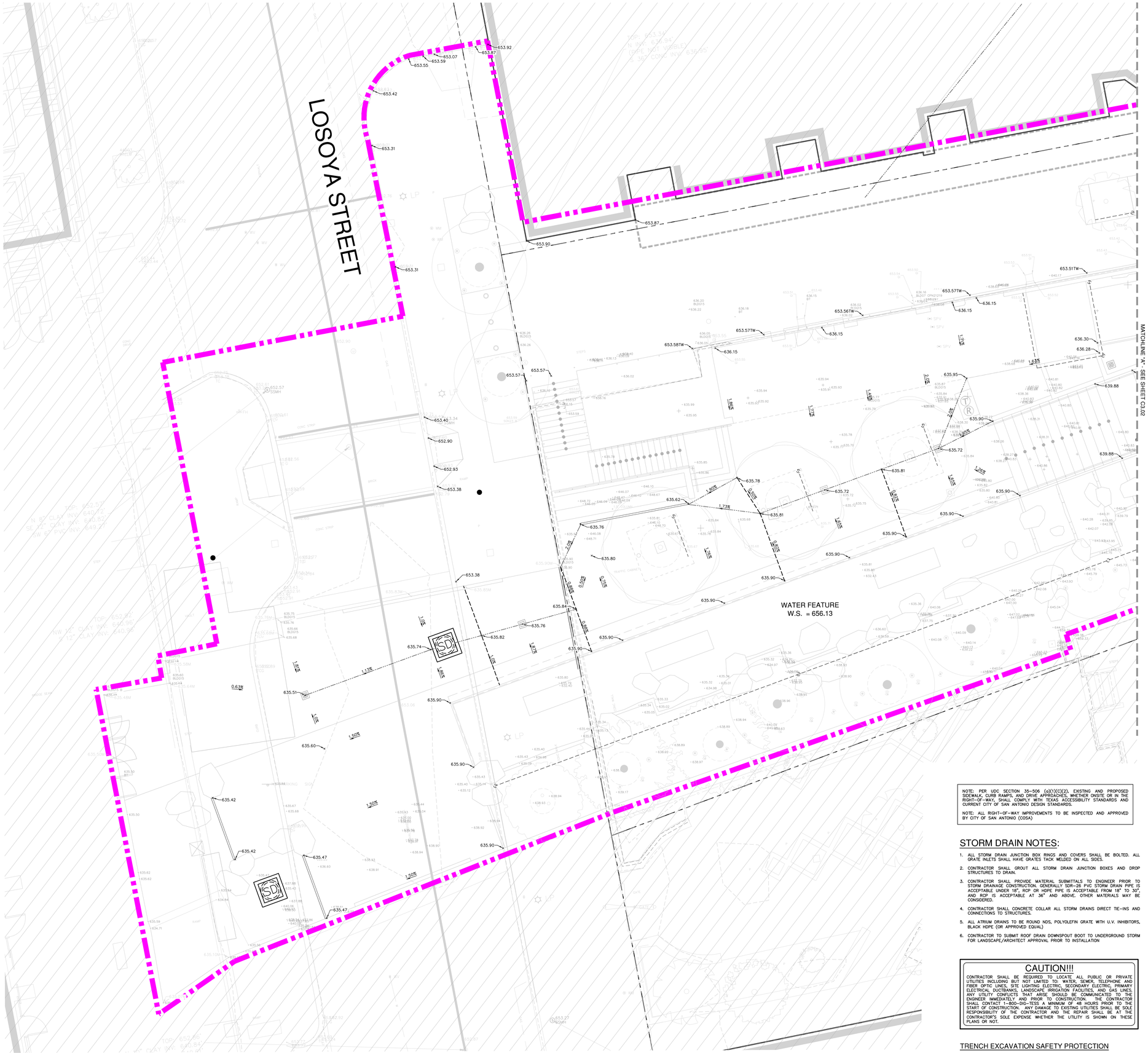
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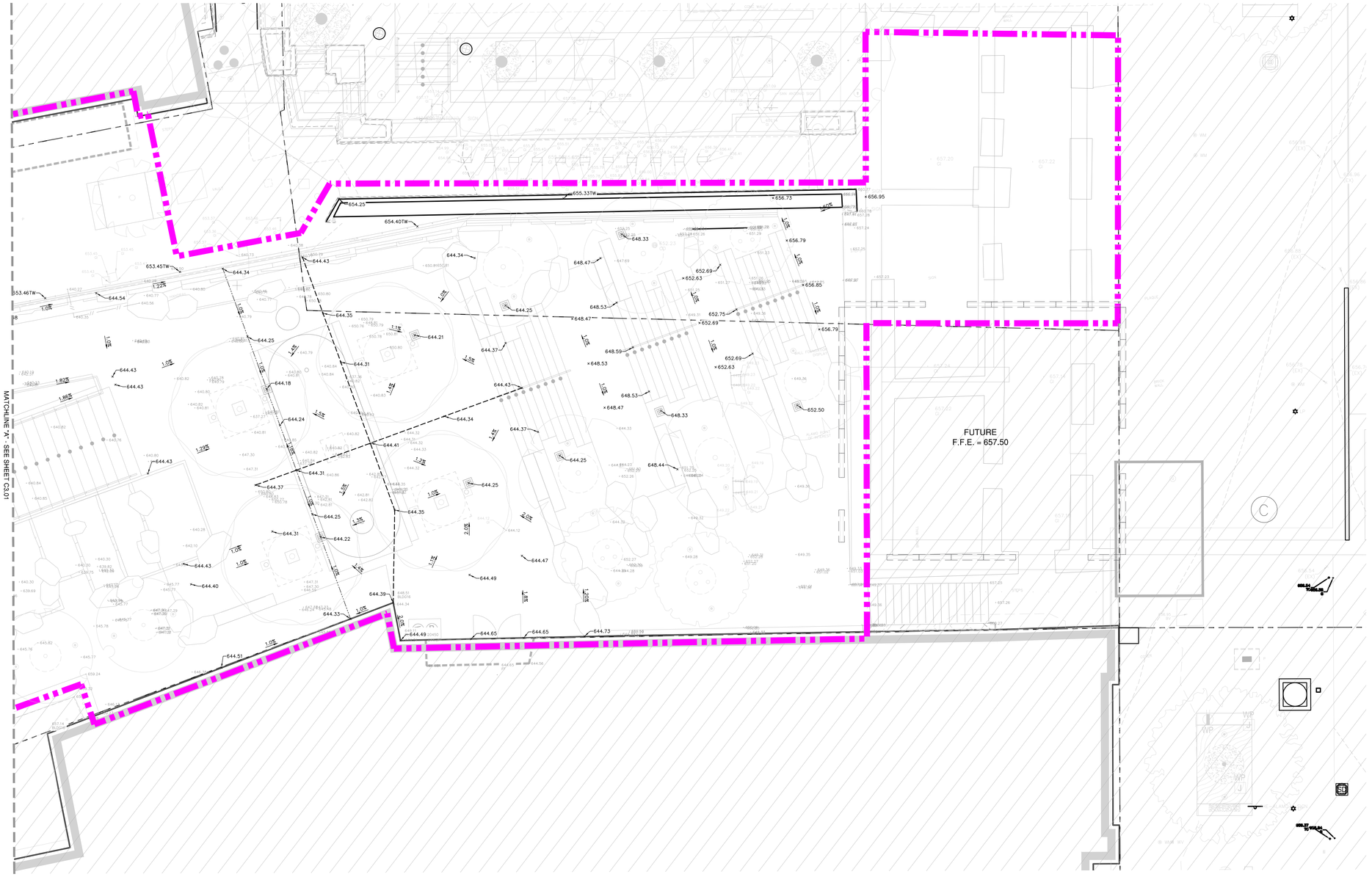
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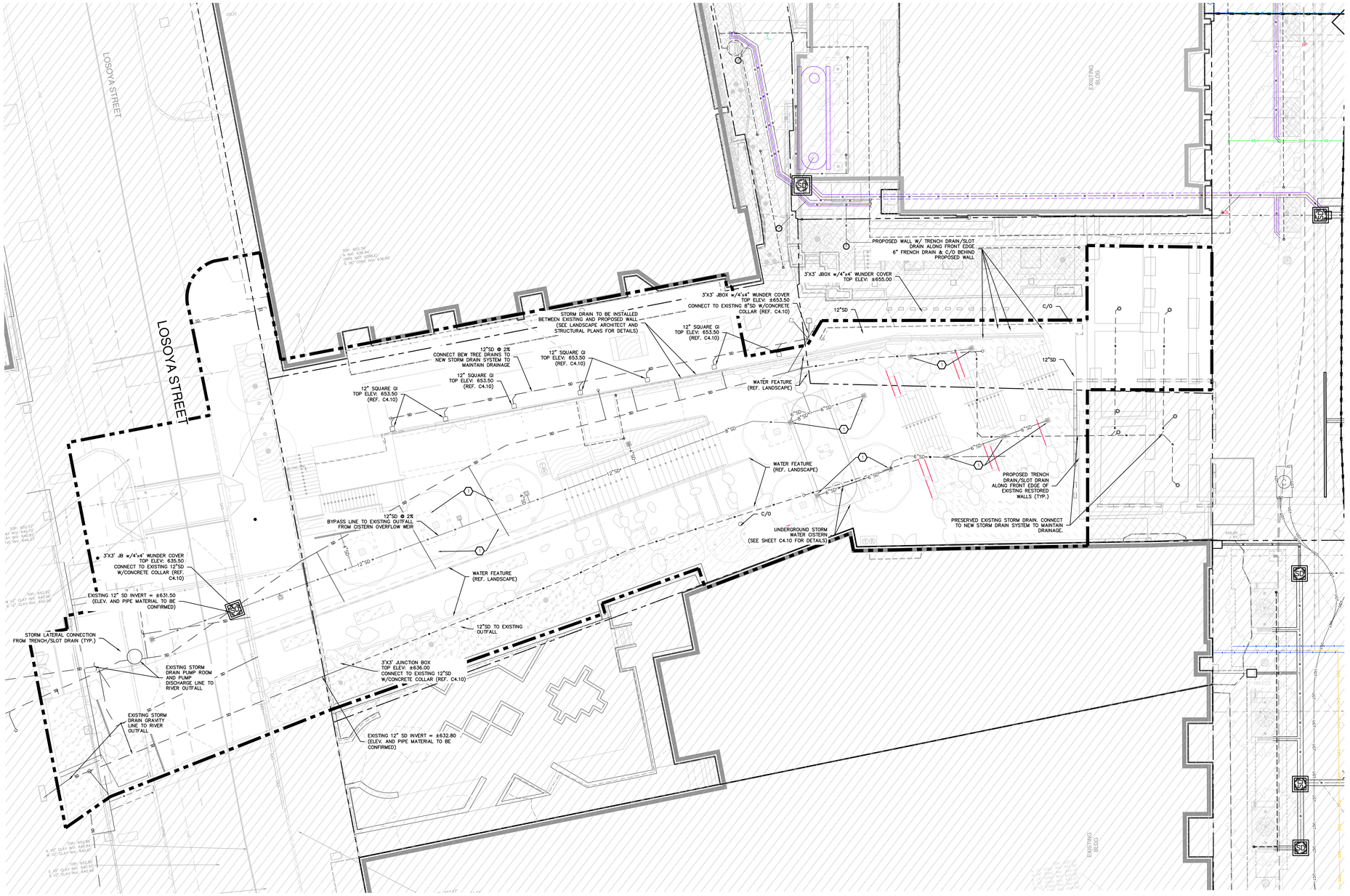


KEYED NOTES

1. LANDSCAPE DRAIN (REF. LANDSCAPE ARCHITECT PLANS FOR DETAILS)

CAUTION!!!

CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITED TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT THE CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

NOTE: PER UDC SECTION 35-506 (a)(1)(C)(2), EXISTING AND PROPOSED SIDEWALK, CURB RAMPS, AND DRIVE APPROACHES, WHETHER ONSITE OR IN THE RIGHT-OF-WAY, SHALL COMPLY WITH TEXAS ACCESSIBILITY STANDARDS AND CURRENT CITY OF SAN ANTONIO DESIGN STANDARDS.

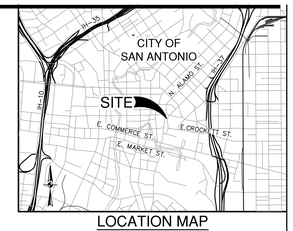
NOTE: ALL RIGHT-OF-WAY IMPROVEMENTS TO BE INSPECTED AND APPROVED BY CITY OF SAN ANTONIO (COSA)

STORM DRAIN NOTES:

1. ALL STORM DRAIN JUNCTION BOX RINGS AND COVERS SHALL BE BOLTED. ALL GRATE INLETS SHALL HAVE GRATES TACK WELDED ON ALL SIDES.
2. CONTRACTOR SHALL GROUT ALL STORM DRAIN JUNCTION BOXES AND DROP STRUCTURES TO DRAIN.
3. CONTRACTOR SHALL PROVIDE MATERIAL SUBMITTALS TO ENGINEER PRIOR TO STORM DRAINAGE CONSTRUCTION. GENERALLY SDR-26 PVC STORM DRAIN PIPE IS ACCEPTABLE UNDER 18", RCP OR HDPE PIPE IS ACCEPTABLE FROM 18" TO 30", AND RCP IS ACCEPTABLE AT 36" AND ABOVE. OTHER MATERIALS MAY BE CONSIDERED.
4. CONTRACTOR SHALL CONCRETE COLLAR ALL STORM DRAINS DIRECT TIE-INS AND CONNECTIONS TO STRUCTURES.
5. ALL ATRIUM DRAINS TO BE ROUND NDS, POLYOLEFIN GRATE WITH U.V. INHIBITORS, BLACK HDPE (OR APPROVED EQUAL)
6. CONTRACTOR TO SUBMIT ROOF DRAIN DOWNSPOUT BOOT TO UNDERGROUND STORM FOR LANDSCAPE/ARCHITECT APPROVAL PRIOR TO INSTALLATION
7. SLOT DRAINS SHALL BE ACO DRAIN BRICKSLOT 100 (OR APPROVED EQUAL) AT 0.50% INTERNAL SLOPE WITH HEEL RESISTANT GRATE. SLOT DRAIN OUTLETS TO BE BOTTOM OUTLETS WITH 4"x 6" ROUND ACO ADAPTERS, FITTINGS INSTALLED VERTICALLY TO ADJUST TO OUTLET PIPE SIZE INDICATED ON PLAN, AND RADIUS ELBOW OF PIPE SIZE INDICATED ON PLAN TO MEET INVERT ELEVATION INDICATED.
8. ALL STORM DRAIN MANHOLES SHALL BE INSTALLED WITH RING AND COVERS FLUSH WITH COMPLETE SUBSLAB AND RECEIVE 1.30MM x 1.30MM WUNDERCOVER. ALL STORM DRAIN CAST IRON CLEANOUT CAPS IN HARDSCAPE AREAS SHALL BE INSTALLED FLUSH WITH CONCRETE SUBSLAB AND RECEIVE 30MM x 30MM WUNDERCOVER.
9. PROVIDE ALLOWANCE FOR ADDITIONAL 200 LF ~ 12" SD AND 500 LF ~ 2" SD UNTIL ISSUE FOR CONSTRUCTION.

TRENCH EXCAVATION SAFETY PROTECTION

CONTRACTOR AND/ OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/ GEOTECHNICAL/ SAFETY/ EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLY WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.



LOCATION MAP
NOT-TO-SCALE

SCALE: 1"= 10'
0' 10' 20' 30'

LEGEND

- PROPERTY LINE
- PHASE 5 PROJECT LIMITS
- EXISTING CURB
- PROPOSED STANDARD CURB
- EXISTING CONTOURS
  - 5 FT CONTOUR — 885
  - 1 FT CONTOUR — 884
- PROPOSED CONTOURS
  - 5 FT CONTOUR — 885
  - 1 FT CONTOUR — 884
- EXISTING SPOT ELEVATIONS +885.00
- PROPOSED SPOT ELEVATIONS +85.00
- EXISTING DIRECTIONAL FLOW ARROW
- PROPOSED DIRECTIONAL FLOW ARROW

NOTE:
REFERENCE SHEET C0.01 FOR GENERAL CONSTRUCTION NOTES

GRADING NOTES:

1. ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THIS SCOPE OF WORK WHERE NOT SPECIFICALLY COVERED IN THE SPECIFICATIONS OR GEOTECHNICAL REPORT SHALL CONFORM TO ALL APPLICABLE CITY, COUNTY AND TXDOT STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (LATEST EDITION).
2. SITE PREPARATION, GRADING, EXCAVATION AND FILL SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT GEOTECHNICAL REPORT AND SPECIFICATIONS.
3. ALL SELECT FILL MATERIAL PROVIDED SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING AND COMPACTING.
4. ALL ELEVATIONS AND PROPOSED CONTOURS SHOWN ON THIS GRADING PLAN REFLECT FINISHED GRADES. THE THICKNESS OF PAVING, BASE, GRASS, TOPSOIL, AND MULCH MUST BE SUBTRACTED TO OBTAIN SUB-GRADE ELEVATIONS.
5. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY QUESTIONS THAT MAY ARISE CONCERNING THE INTENT, PLACEMENT, OR LIMITS OF DIMENSIONS OR GRADES NECESSARY FOR CONSTRUCTION OF THIS PROJECT.
6. THE CONTRACTOR SHALL VERIFY THE SUITABILITY OF ALL EXISTING AND PROPOSED SITE CONDITIONS INCLUDING GRADES AND DIMENSIONS BEFORE COMMENCEMENT OF CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS, TESTS, APPROVALS AND ACCEPTANCES REQUIRED TO COMPLETE CONSTRUCTION OF THIS PROJECT.
8. THE CONTRACTOR SHALL REMOVE TOP SOIL, GRASS, ROOTS, DEBRIS, ETC. AND DISPOSE OFF SITE THOSE MATERIALS NOT SUITABLE FOR EMBANKMENT AND TOPSOIL. CLEAN STRIPPINGS AND TOPSOIL MAY BE STOCKPILED ON SITE FOR REUSE IN A LOCATION SPECIFIED BY THE OWNER.
9. THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR SITE STABILIZATION. ALL DISTURBED AREAS SHALL BE REVEGETATED IN ACCORDANCE WITH PROJECT SPECIFICATIONS AND TPDES/SWPPP REQUIREMENTS. REFERENCE THE LANDSCAPE ARCHITECT'S PLAN, IF APPLICABLE.
10. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS (USE OF SILT FENCES, ETC.) TO KEEP DRAINAGE AND SILT FROM WASHING ONTO ADJACENT PROPERTY, STREETS, OR DRAINAGE WAYS. CONTRACTOR SHALL IMMEDIATELY REMOVE SILT/DEBRIS WHICH WASHES OFFSITE OR INTO EXISTING STORM DRAIN SYSTEMS. (SEE SWPPP PLANS & TPDES BOOK).
11. THE CONTRACTOR SHALL OBTAIN GRADES SHOWN HEREON WITHIN +/- ONE-TENTH (0.10) FOOT.
12. IN PROPOSED PAVING AREAS, IT IS INTENDED THAT THE MINIMUM GRADE IS 1% ALL EARTHEN SLOPES SHALL BE A MAXIMUM OF 3:1 AND A MINIMUM OF 1.0% UNLESS OTHERWISE SHOWN.
13. THE CONTRACTOR SHALL PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING SITE AND PROPOSED IMPROVEMENTS.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING TO ITS ORIGINAL, OR BETTER, CONDITION ANY DAMAGE DONE TO EXISTING TREES, BUILDINGS, UTILITIES, FENCES, PAVEMENT, CURBS, OR DRIVEWAYS (NO SEPARATE PAY ITEMS).
15. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN WORKING NEAR UTILITIES, GAS LINES, SEWER, OR EXISTING APPURTENANCES. PRIOR TO PERFORMING ANY EXCAVATION, CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND ASSURE HIMSELF THAT ALL UTILITIES HAVE BEEN ADEQUATELY LOCATED AND IDENTIFIED. THE ENGINEER SHALL BE NOTIFIED IF ANY UTILITY CONFLICTS ARE DISCOVERED.
16. UTILITIES SHOWN ON THE PLANS ARE FROM INFORMATION SOURCES AVAILABLE AT THE TIME OF DESIGN BUT MAY NOT REPRESENT ALL EXISTING UTILITIES ON SITE. THE CONTRACTOR WILL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL UTILITIES WHETHER SHOWN ON THE PLANS OR NOT. THE CONTRACTOR SHALL UNCOVER EXISTING UTILITIES PRIOR TO CONSTRUCTION AND VERIFY SIZE, GRADE AND LOCATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY DEVIATIONS FROM PLANS PRIOR TO BEGINNING CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR, AT HIS OWN EXPENSE.
17. POSITIVE DRAINAGE SHALL BE MAINTAINED THROUGHOUT THE SCOPE OF THE PROJECT. DRAINAGE SHALL BE DIRECTED AWAY FROM ALL BUILDING FOUNDATIONS. CONTRACTOR SHOULD TAKE PRECAUTIONS NOT TO ALLOW ANY PONDING OF WATER.
18. FOR FILL PLACEMENT ON HILL SIDES OR STEEP SLOPE AREAS, THE CONTRACTOR SHALL REFERENCE THE PROJECT SPECIFICATIONS AND GEOTECHNICAL REPORT FOR SPECIAL INSTRUCTIONS REGARDING BENCHING.
19. NO WORK SHALL BE PERFORMED IN A PUBLIC RIGHT-OF-WAY WITHOUT A PERMIT.

DRAINAGE NOTES:

1. ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THIS SCOPE OF WORK SHALL COMPLY WITH THE PROJECT GEOTECH REPORT, THE PROJECT SPECIFICATIONS, AND THE CURRENT CITY, COUNTY OR TXDOT STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
2. THE CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITED TO: WATER, SEWER, TELEPHONE, AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCT BANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHALL BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT THE CONTRACTORS SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.
3. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES. THE CONTRACTOR SHOULD EXERCISE EXTREME CAUTION WHEN WORKING NEAR EXISTING UTILITIES AND SHOULD THEY BE DAMAGED DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR WILL BE REQUIRED TO REPAIR OR REPLACE THE DAMAGED FACILITIES AT CONTRACTOR'S EXPENSE.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING TO ORIGINAL OR BETTER CONDITION DAMAGE DONE TO EXISTING FENCES, CURBS, STREETS, DRIVEWAYS, LANDSCAPING AND STRUCTURES.
5. CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ALL WASTE MATERIALS UPON PROJECT COMPLETION.
6. WATER JETTING THE BACKFILL OF UTILITY TRENCHES WILL NOT BE PERMITTED.
7. NORTHINGS AND EASTINGS LISTED ON THESE PLANS ARE TO CENTER OF BOX FOR JUNCTION BOXES AND GRATE INLETS AND TO OUTSIDE CORNER FACE OF CURB FOR ALL CURB AND COMBINATION INLETS. ALL LENGTHS OF PIPE ARE TO INSIDE FACE OF STRUCTURES.
8. CONTRACTOR SHALL ENSURE PROPER SIZE OF JUNCTION BOXES NEEDED WHERE INDICATED ON PLAN. CONTRACTOR SHALL CONNECT STORM DRAIN PIPE TO JUNCTION BOXES PER MANUFACTURES SPECIFICATIONS.
9. ALL STORM DRAIN TO JUNCTION BOX CONNECTIONS SHALL HAVE CONCRETE COLLARS.
10. ALL GRATE INLETS MUST BE H20 RATED GRATES.
11. TOPS OF MANHOLES, JUNCTION BOXES AND GRATES SHALL BE SET FLUSH TO FINISHED SURFACE BASED UPON GRADING PLAN.

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10/26/2023	100% DESIGN DEVELOPMENT
01/05/2024	AREA 5 DEMOLITION MOBILIZATION
06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
11078-71

Description
DRAINAGE PLAN

Scale

C4.00

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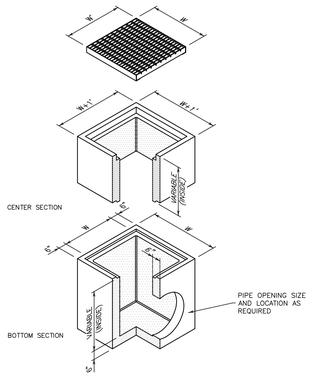
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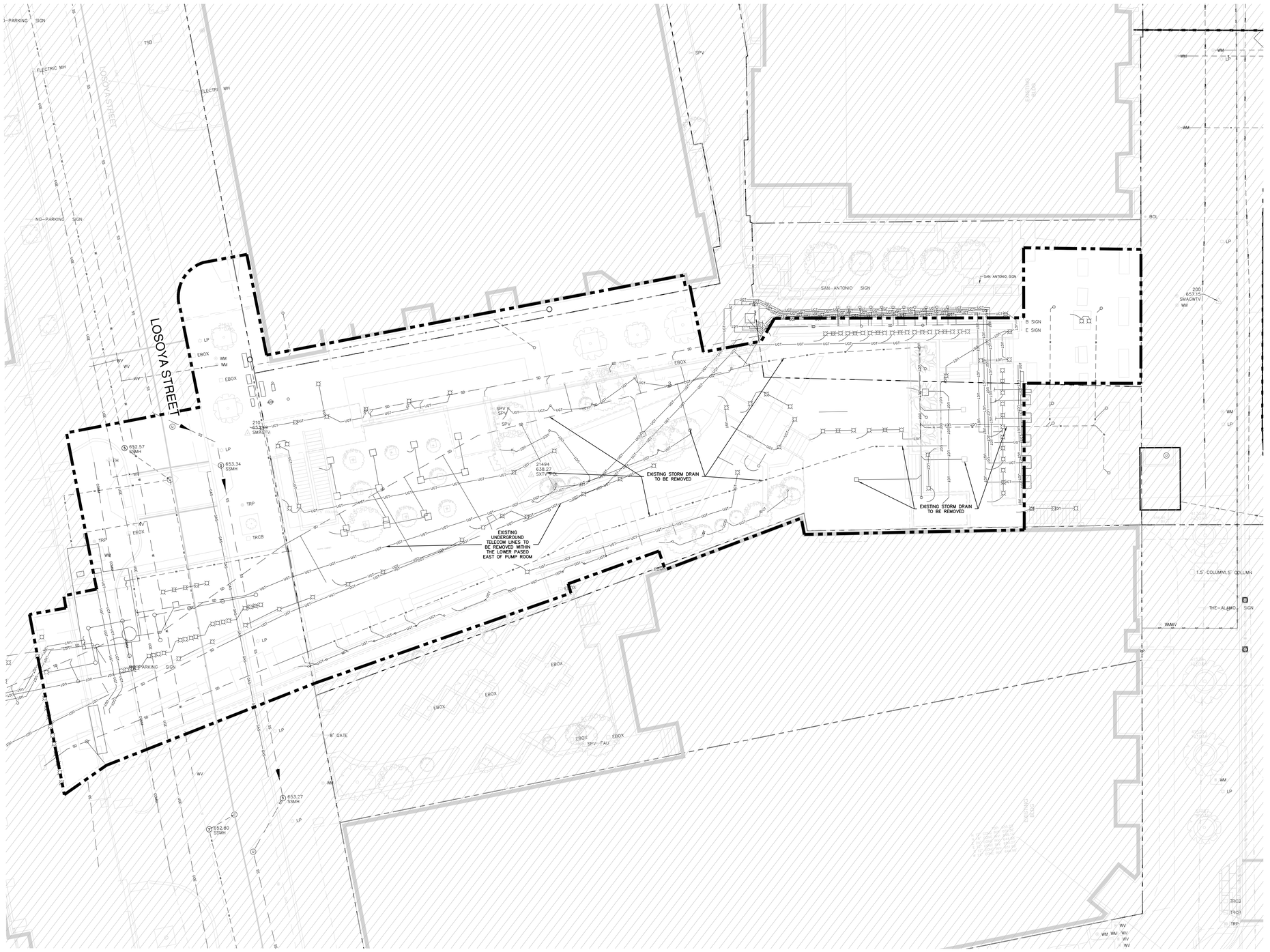

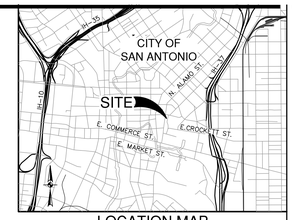

LOCATION MAP
NOT-TO-SCALE

SCALE: 1"= 10'
0' 10' 20' 30'

LEGEND

- PROPERTY LINE
- PHASE 5 PROJECT LIMITS
- EXISTING CURB
- EXISTING FEATURE
- EXISTING UTILITIES
  - FIRE HYDRANT
  - WATER
  - SEWER
  - DRAINAGE
  - UNDERGROUND ELECTRIC
  - OVERHEAD ELECTRIC
  - COMMUNICATION
  - GAS
- EXISTING BUILDING
- EXISTING TREES

NOTE:
REFERENCE SHEET C0.01 FOR GENERAL CONSTRUCTION NOTES

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ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
11078-71

Description
EXISTING UTILITY PLAN

Scale

C5.00

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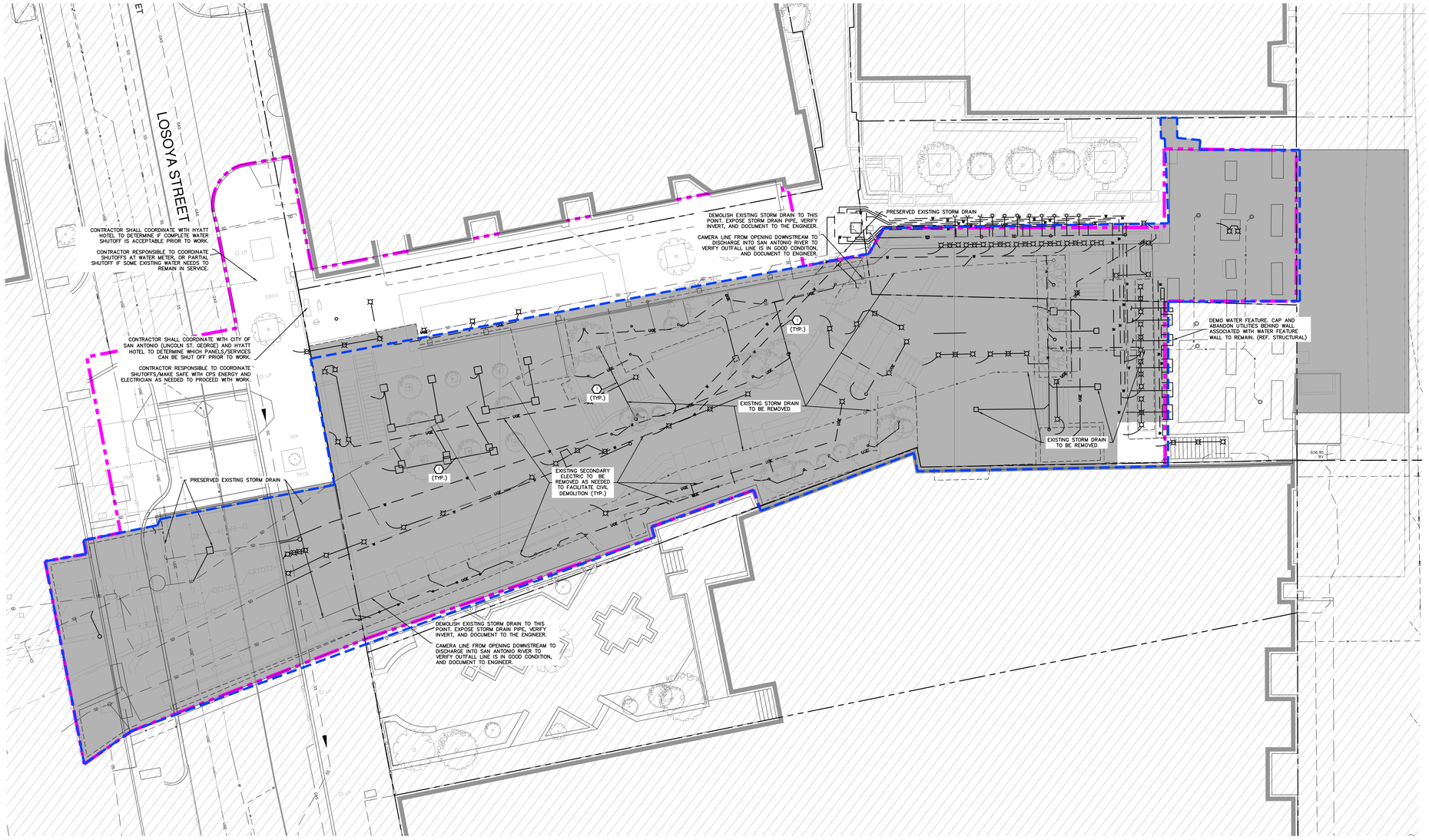
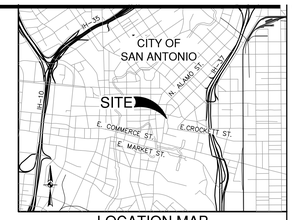


KEYED NOTES

⬡ STORM DRAIN LATERALS ABOVE 24" CONCRETE SLAB TO BE REMOVED..

DEMOLITION NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL NECESSARY PERMITS/APPROVALS BEFORE BEGINNING DEMOLITION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING FROM THE SITE ALL ITEMS SHOWN TO BE DEMOLISHED UNLESS OTHERWISE INDICATED. ALL MATERIALS SHALL BE DEMOLISHED AND REMOVED FROM SITE IN ACCORDANCE WITH ALL APPLICABLE, FEDERAL, STATE AND LOCAL REGULATIONS.
3. ALL EXISTING ITEMS NOT SPECIFICALLY NOTED TO BE DEMOLISHED SHALL REMAIN. CONTRACTOR IS RESPONSIBLE FOR REPLACING EXISTING ITEMS REMOVED DURING DEMOLITION THAT WERE TO REMAIN.
4. CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH ALL UTILITY COMPANIES REGARDING REMOVAL OF EXISTING SERVICES. POWER POLES TO BE REMOVED, VERIFYING UTILITIES ARE SHUT OFF OR DISCONNECTED, AND THAT ALL POSSIBLE SAFETY PRECAUTIONS HAVE BEEN ENACTED TO ENSURE THE SAFEST ENVIRONMENT FOR ALL PERSONNEL.
5. LOCATION AND DEPTH OF EXISTING UTILITIES SHOWN HEREON ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO THE CONSTRUCTION AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, THROUGHOUT ALL PHASES OF CONSTRUCTION.
6. ALL NECESSARY EROSION CONTROL MEASURES ARE TO BE IN PLACE PRIOR TO CONSTRUCTION. EROSION CONTROL MEASURES ARE TO BE MAINTAINED AND IN WORKING CONDITION AT ALL TIMES.
7. CONTRACTOR SHALL CONFIRM WITH THE OWNER OR HIS DESIGNATE WHETHER TO SALVAGE AND MAKE ARRANGEMENTS TO STORE TRANSPLANTABLE TREES PRIOR TO REMOVAL.
8. FOR TREES SHOWN TO REMAIN, THE CONTRACTOR SHALL INSTALL TREE PROTECTION IN ACCORDANCE WITH THE PROJECT PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL NOT REMOVE OR DAMAGE ANY TREES WITHOUT A PERMIT TO DO SO.
9. NO PARKING AND/OR STORAGE SHALL BE ALLOWED WITHIN THE DRIP LINE OF THE TREES TO REMAIN.
10. THE CONTRACTOR SHALL SAW CUT EXISTING PAVEMENT, CURBS AND SIDEWALKS AT NEW PAVEMENT, CURB AND SIDEWALK JUNCTURES, NO JAGGED OR IRREGULAR CUTS WILL BE ACCEPTED.
11. THE CONTRACTOR SHALL PROTECT ALL PROPERTY PINS, BENCH MARKS, CONSTRUCTION STAKES, HUBS, OR OTHER KEY CONTROL POINTS. THE CONTRACTOR SHALL BE RESPONSIBLE TO RE-ESTABLISH ANY SUCH POINTS AT THEIR OWN EXPENSE.
12. DEMOLITION CONTRACTOR IS RESPONSIBLE FOR CLEARING THE SITE OF ALL OBSTRUCTIONS THAT EXIST ON THIS SITE PRIOR TO THE START OF CONSTRUCTION OR DURING THE CONSTRUCTION SO AS TO NOT IMPEDE THE BUILDING CONSTRUCTION CONTRACTOR.
13. CONTRACTOR SHALL COORDINATE WITH THE OWNER TO IDENTIFY ANY MATERIAL OR EQUIPMENT SCHEDULED FOR REMOVAL TO BE SALVAGED AND REUSED. CONTRACTOR SHALL REPLACE AT HIS EXPENSE ANY DESTROYED MATERIAL OR EQUIPMENT THAT WAS MARKED FOR SALVAGE.
14. NO EXISTING ASPHALT OR CONCRETE PAVING SCHEDULED FOR REMOVAL SHALL REMAIN ON-SITE OR BE USED AS FILL MATERIAL. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL HAZARDOUS MATERIAL OFFSITE FOLLOWING ALL APPLICABLE DISPOSABLE REGULATIONS.
15. CONTRACTOR SHALL REMOVE ALL EXISTING IRRIGATION PIPING ON SITE. CUT AND CAP LATERALS AT PROJECT LIMITS TO ALLOW PROPER FUNCTION OF ZONES EXTENDING OFF-SITE.
16. CONTRACTOR SHALL NOT DEMOLISH ANY PUBLIC WATER OR SANITARY SEWER LINES WITHOUT APPROVAL. EXISTING WATER AND SANITARY SEWER SERVICES SHALL REMAIN OPERATIONAL UNTIL NEW SERVICE IS COMPLETE. CUT AND CAP ANY ABANDONED SANITARY SEWER AND WATER SERVICES AT THE EXISTING MAIN. NO ABANDONED SERVICES SHALL REMAIN CONNECTED TO THE PUBLIC MAIN.
17. THE USE OF EXPLOSIVES WILL NOT BE PERMITTED.
18. ALL WASTE MATERIAL REMAINING AFTER OWNER SALVAGE IS COMPLETE AND RESULTING FROM DEMOLITION OPERATIONS BECOMES THE PROPERTY OF THE CONTRACTOR. APPROPRIATE DISPOSAL OF WASTE MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT HIS OWN EXPENSE. OWNER WILL PROVIDE LIST OF ITEMS TO BE SALVAGED.
19. THE CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITED TO: WATER, SEWER, TELEPHONE, FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCT BANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT THE CONTRACTORS SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.
20. THE CONTRACTOR SHALL MAINTAIN THE SITE IN A CLEAN AND ORDERLY MANNER.
21. THE CONTRACTOR SHALL MEET ALL LOCAL, STATE, AND FEDERAL REGULATIONS FOR DUST CONTROL. THE CONTRACTOR SHALL BE RESPONSIBLE AT THEIR OWN EXPENSE FOR ANY FUGITIVE DUST ON ADJOINING PROPERTIES.



LOCATION MAP
NOT-TO-SCALE

SCALE: 1" = 10'
0' 10' 20' 30'

PROPERTY LINE
PHASE 5 PROJECT LIMITS
DEMOLITION LIMITS – PHASE 1
EXISTING CURB
EXISTING FEATURE TO REMAIN
EXISTING UTILITIES
FIRE HYDRANT
WATER
SEWER
DRAINAGE
UNDERGROUND ELECTRIC
OVERHEAD ELECTRIC
COMMUNICATION
GAS
DEMOLISHED FEATURES
PROPOSED CONSTRUCTION

NOTE:
EXPOSE ALL PIPES BEFORE REMOVAL. ANY NEW PIPES FOUND SHOULD BE DOCUMENTED AND GIVEN TO THE CIVIL ENGINEER TO DETERMINE ACTIVITY AND REDESIGN IF NECESSARY.

NOTE:
REFERENCE SHEET C0.01 FOR GENERAL CONSTRUCTION NOTES

GENERAL NOTES

1. ALL EXISTING ITEMS/UTILITIES NOT SPECIFICALLY NOTED TO BE REMOVED SHALL REMAIN AND SHALL BE PROTECTED FROM DAMAGE. ANY ITEMS OR UTILITIES REMOVED OR DAMAGED DURING DEMOLITION THAT WERE TO REMAIN SHALL BE REPLACED BY CONTRACTOR AT CONTRACTOR'S OWN EXPENSE.
2. ALL EXISTING TREES SHALL REMAIN UNLESS IDENTIFIED FOR DEMOLITION ON PLAN. ALL TREES TO REMAIN SHALL BE PROTECTED. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER SHOULD ANY QUESTIONS ARISE REGARDING EXISTING TREES. ALL TREE WOUNDS AND CUT ROOTS SHALL BE PAINTED IMMEDIATELY TO PREVENT SPREAD OF OAK WILT DISEASE.
3. THE CONTRACTOR SHALL SAW CUT EXISTING PAVEMENT, CURBS, AND SIDEWALKS AT LOCATIONS SHOWN ON THE PLANS. NO JAGGED OR IRREGULAR CUTS IN PAVEMENT, CURBS, OR SIDEWALK WILL BE ALLOWED OR ACCEPTED.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS, TESTS, APPROVALS, AND ACCEPTANCES REQUIRED TO COMPLETE CONSTRUCTION OF THIS PROJECT.
5. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND ENGINEER REGARDING ANY QUESTIONS FOR DEMOLITION WORK ON THIS PROJECT.
6. EXISTING UTILITIES SHOWN ON THIS LAYOUT WERE OBTAINED FROM A SURVEY OF VISIBLE FEATURES AT THE SITE AND RECORD MAPS. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND EXPOSING CONFLICTS PRIOR TO CONSTRUCTION.
7. CONTRACTOR SHALL BE REQUIRED TO LOCATED ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITED TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT THE CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.
8. CONTRACTOR IS RESPONSIBLE FOR PROTECTING AND MAINTAINING UTILITY SERVICE TO ANY EXISTING FACILITIES AT ALL TIMES. OWNER TO BE NOTIFIED 48 HOURS IN ADVANCE OF ANY UTILITY SHUTDOWN.
9. IF CONTAMINATED SOILS OR MATERIALS ARE PRESENT, COMPLY WITH ALL REGULATIONS AND ENVIRONMENTAL RECOMMENDATIONS.

CAUTION!!!

CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITED TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT THE CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

CAUTION!!!

THE LOCATIONS OF EXISTING UTILITIES, SITE LIGHTING CIRCUIT, AND IRRIGATION LINES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND DEPTH OF UNDERGROUND UTILITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION:

TEXAS ONE CALL 1-800-545-6005
SAWS 233-2009

WHETHER SHOWN ON PLANS OR NOT, AND TO PROTECT THE SAME DURING CONSTRUCTION. CONTRACTOR SHALL EXPOSE PROPOSED UTILITY CROSSINGS PRIOR TO CONSTRUCTION OF SANITARY SEWER, STORM DRAINAGE, AND OTHER UTILITIES. CONTRACTOR SHALL COORDINATE WORK WITH SHOPPING CENTER OWNER.

TRENCH EXCAVATION SAFETY PROTECTION

CONTRACTOR AND/ OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/ GEOTECHNICAL/ SAFETY/ EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLY WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

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2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
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08/24/2023	100% SCHEMATIC DESIGN
09/08/2023	50% DD PROGRESS PRINT
10/26/2023	100% DESIGN DEVELOPMENT
01/05/2024	AREA 5 DEMOLITION MOBILIZATION
06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
11078-71

Description
UTILITY DEMOLITION PLAN

Scale

C6.00

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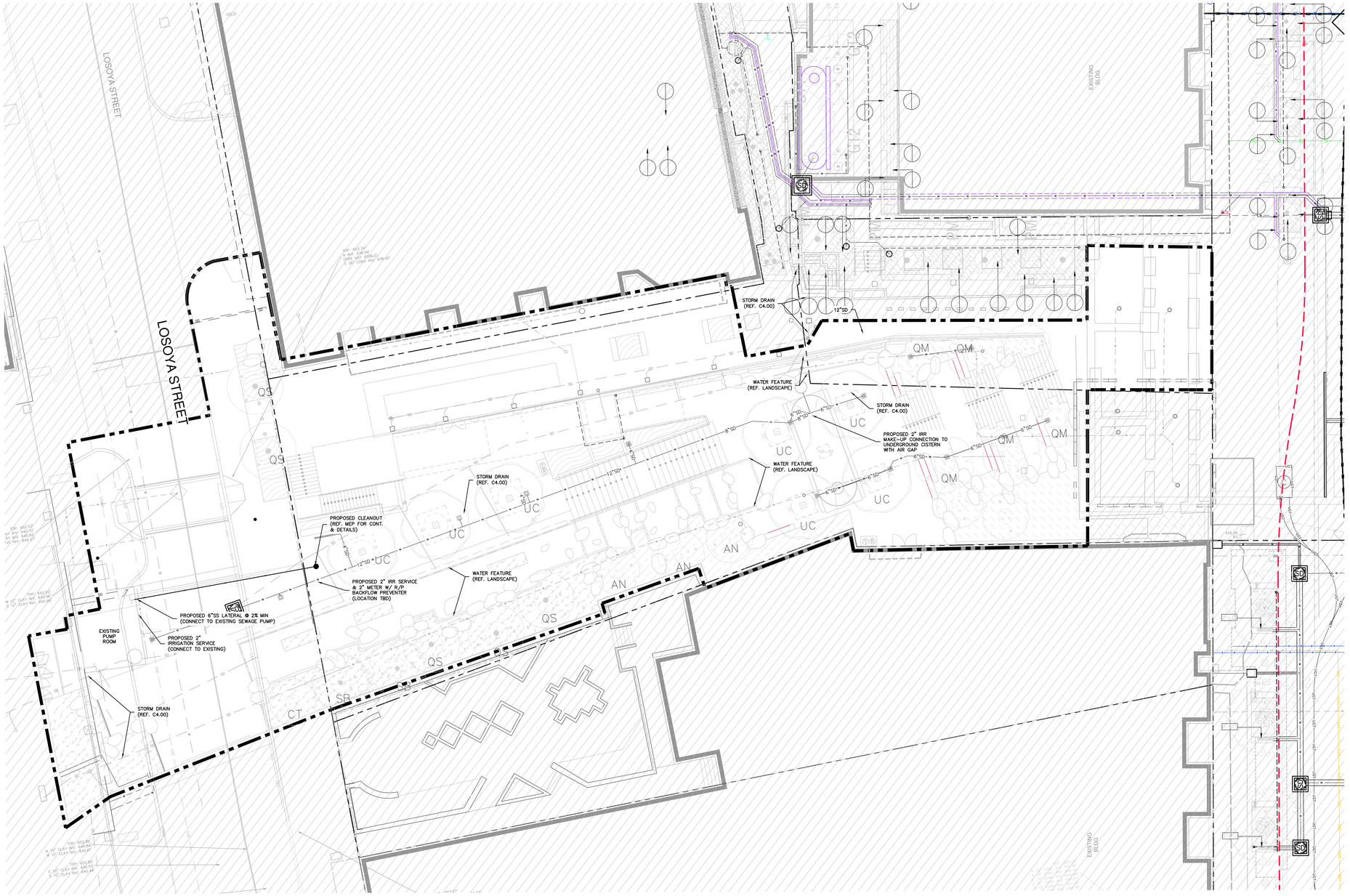

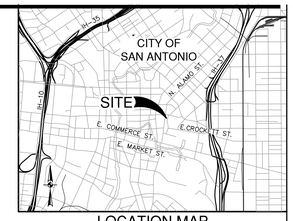

LOCATION MAP
NOT-TO-SCALE

SCALE: 1"= 10'
0' 10' 20' 30'

LEGEND

- PROPERTY LINE
- PHASE 7 PROJECT LIMITS
- EXISTING CURB
- EXISTING FEATURE

PROPOSED UTILITIES
- WATER
- SEWER
- DRAINAGE
- ELECTRIC
- COMMUNICATION
- GAS

EXISTING UTILITIES
- WATER
- SEWER
- DRAINAGE
- UNDERGROUND ELECTRIC
- OVERHEAD ELECTRIC
- COMMUNICATION
- GAS

- EXISTING BUILDING
- EXISTING TREES

NOTE:
REFERENCE SHEET C0.01 FOR GENERAL CONSTRUCTION NOTES

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06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
11078-71

Description
PROPOSED WET UTILITY PLAN

Scale

C7.00

PAPE-DAWSON ENGINEERS
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TBPE FIRM REGISTRATION #470 | TBPLS FIRM REGISTRATION #10028800

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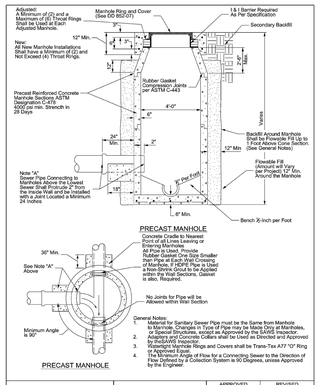
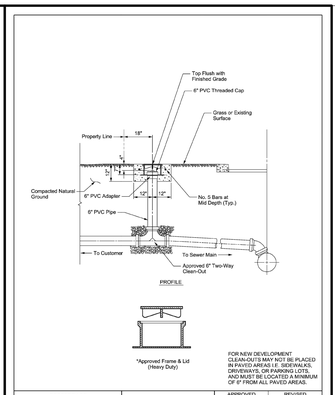


PROPERTY OF	STANDARD	APPROVED	REVISED
SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS	PRECAST MANHOLE	MAY 2013	AUG 2019
	DD-852-01		SHEET 1 of 2

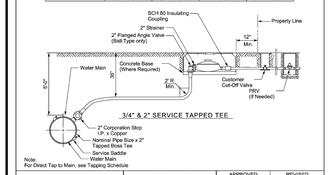


FOR NEW DEVELOPMENT CLEANOUTS MAY NOT BE PLACED IN PAVED AREAS I.E. SIDEWALKS, DRIVEWAYS, OR PARKING LOTS, AND MUST BE LOCATED A MINIMUM OF 6' FROM ALL PAVED AREAS.

PROPERTY OF	TYPICAL CLEANOUT DETAIL	APPROVED	REVISED
SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS		MARCH 2008	AUG 2019
	DD-854-02		SHEET 1 of 3

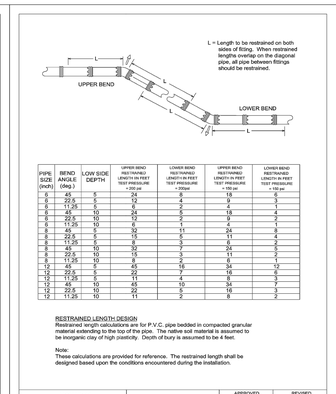
PIPE TAPPING SCHEDULE

PIPE DIAMETER	SERVICE SIZE			
	3/4"	1"	1½"	2"
6" A.C.	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle
6" C.I., D.I.	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle
8" A.C.	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle
8" C.I., D.I.	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle
8" PVC	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle
10" A.C.	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle
10" C.I., D.I.	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle
10" PVC	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle
12" A.C.	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle
12" C.I., D.I.	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle
12" PVC	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle
16" A.C.	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle
16" C.I., D.I.	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle
6" - 16" HDPE	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle	Tap With Service Saddle



Note:
For Direct Tap to Main, see Tapping Schedule

PROPERTY OF	COPPER & HDPE SERVICE INSTALLATION TAPPING SCHEDULE	APPROVED	REVISED
SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS		MARCH 2008	AUG 2019
	DD-824-01		SHEET 3 of 3

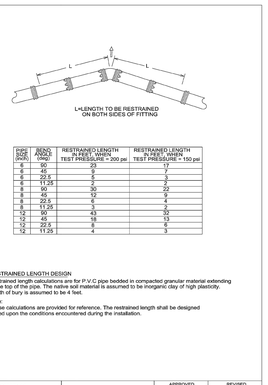


PIPE SIZE (inch)	BEND ANGLE (deg.)	LOW SIDE DEPTH	UPPER BEND RESTRAINED LENGTH IN FEET WHEN TEST PRESSURE = 200 psi	LOWER BEND RESTRAINED LENGTH IN FEET WHEN TEST PRESSURE = 200psi	UPPER BEND RESTRAINED LENGTH IN FEET WHEN TEST PRESSURE = 150 psi	LOWER BEND RESTRAINED LENGTH IN FEET WHEN TEST PRESSURE = 150 psi
6	45	5	24	8	18	6
6	22.5	5	12	4	9	3
6	11.25	5	6	2	4	1
6	45	10	24	8	18	6
6	22.5	10	12	4	9	3
6	11.25	10	6	2	4	1
8	45	5	32	11	24	8
8	22.5	5	15	5	11	4
8	11.25	5	8	3	6	2
8	45	10	32	7	24	5
8	22.5	10	15	3	11	2
8	11.25	10	8	2	5	1
12	45	5	49	16	36	12
12	22.5	5	22	7	16	6
12	11.25	5	11	4	8	3
12	45	10	45	10	34	7
12	22.5	10	22	5	16	3
12	11.25	10	11	2	8	2

RESTRAINED LENGTH DESIGN
Restrained length calculations are for P.V.C pipe bedded in compacted granular material extending to the top of the pipe. The native soil material is assumed to be inorganic clay of high plasticity. Depth of bury is assumed to be 4 feet.

Note:
These calculations are provided for reference. The restrained length shall be designed based upon the conditions encountered during the installation.

PROPERTY OF	RESTRAINED LENGTHS VERTICAL OFFSETS	APPROVED	REVISED
SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS		MARCH 2008	AUG 2019
	DD-839-06		SHEET 1 of 1

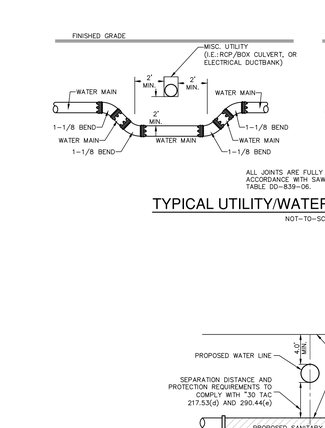


PIPE SIZE (inch)	BEND ANGLE (deg.)	RESTRAINED LENGTH IN FEET, WHEN TEST PRESSURE = 200 psi	RESTRAINED LENGTH IN FEET, WHEN TEST PRESSURE = 150 psi
6	90	29	22
6	45	9	7
6	22.5	5	3
6	11.25	2	2
8	90	30	22
8	45	12	9
8	22.5	6	5
8	11.25	3	2
12	90	43	32
12	45	18	13
12	22.5	8	6
12	11.25	4	3

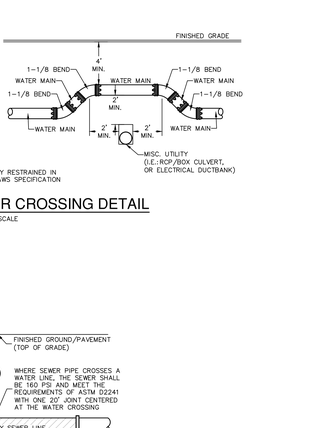
RESTRAINED LENGTH DESIGN
Restrained length calculations are for P.V.C pipe bedded in compacted granular material extending to the top of the pipe. The native soil material is assumed to be inorganic clay of high plasticity. Depth of bury is assumed to be 4 feet.

Note:
These calculations are provided for reference. The restrained length shall be designed based upon the conditions encountered during the installation.

PROPERTY OF	RESTRAINED LENGTHS FOR HORIZONTAL BENDS	APPROVED	REVISED
SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS		MARCH 2008	AUG 2019
	DD-839-08		SHEET 1 of 1



PROPERTY OF	THRUST BLOCKS FOR FITTINGS (WATER ONLY)	APPROVED	REVISED
SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS		March 2008	AUG 2019
	DD-839-01		SHEET 1 of 2



RESTRAINED LENGTH FOR TEES

PIPE SIZE (inch)	BRANCH SIZE (inch)	LENGTH OF RUN (ft.)	RESTRAINED LENGTH IN FEET, WHEN TEST PRESSURE = 200 psi	RESTRAINED LENGTH IN FEET, WHEN TEST PRESSURE = 150 psi
6	4	0	42	31
6	4	5	7	1
6	6	0	59	44
6	6	5	35	20
6	6	10	11	1
8	4	0	42	31
8	4	5	7	1
8	6	0	59	44
8	6	5	35	20
8	6	10	11	1
8	8	0	77	66
8	8	5	53	34
8	8	10	30	11
8	8	15	6	1

RESTRAINED LENGTH DESIGN
Restrained length calculations are for P.V.C pipe bedded in compacted granular material extending to the top of the pipe.The native soil material is assumed to be inorganic clay of high plasticity. Depth of bury is assumed to be 4 feet.

Note:
These calculations are provided for reference. The restrained length shall be designed based upon the conditions encountered during the installation.

PROPERTY OF	RESTRAINED LENGTHS FOR TEES	APPROVED	REVISED
SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS		March 2008	AUG 2019
	DD-839-04		SHEET 1 of 2

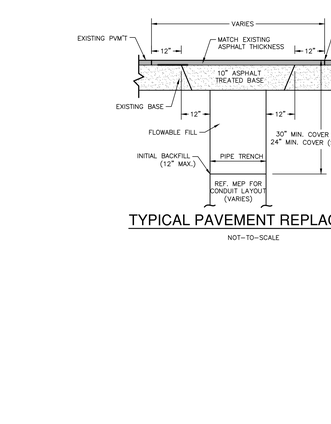
RESTRAINED LENGTH FOR TEES (Cont'd)

PIPE SIZE (inch)	BRANCH SIZE (inch)	LENGTH OF RUN (ft.)	RESTRAINED LENGTH IN FEET, WHEN TEST PRESSURE = 200 psi	RESTRAINED LENGTH IN FEET, WHEN TEST PRESSURE = 150 psi
12	4	0	42	31
12	4	5	1	1
12	6	0	59	44
12	6	5	13	1
12	6	10	1	
12	8	0	77	58
12	8	5	42	23
12	8	10	7	1
12	8	15	1	
12	12	0	109	82
12	12	5	86	59
12	12	10	63	35
12	12	15	39	12

RESTRAINED LENGTH DESIGN
Restrained length calculations are for P.V.C pipe bedded in compacted granular material extending to the top of the pipe.The native soil material is assumed to be inorganic clay of high plasticity. Depth of bury is assumed to be 4 feet.

Note:
These calculations are provided for reference. The restrained length shall be designed based upon the conditions encountered during the installation.

PROPERTY OF	RESTRAINED LENGTHS FOR TEES	APPROVED	REVISED
SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS		MARCH 2008	AUG 2019
	DD-839-04		SHEET 2 of 2



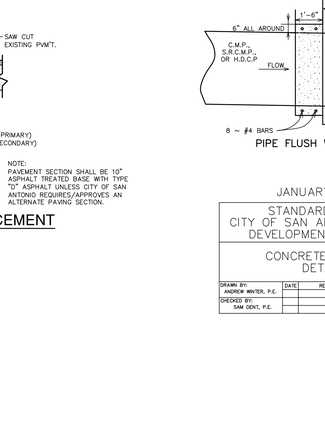
PIPE SIZE (inch)	RESTRAINED LENGTH IN FEET, WHEN TEST PRESSURE = 200 psi	RESTRAINED LENGTH IN FEET, WHEN TEST PRESSURE = 150 psi
4"	99	44
6	77	58
10	93	69
12	109	82

RESTRAINED LENGTH DESIGN

Restrained length calculations are for P.V.C. pipe bedded in compacted granular material extending to the top of the pipe. The native soil material is assumed to be inorganic clay of high plasticity. Depth of bury is assumed to be 4 feet.

Note:
These calculations are provide for reference. The restrained length shall be designed based upon the conditions encountered during the installation.

PROPERTY OF	RESTRAINED LENGTHS FOR DEAD ENDS / INLINE VALVES	APPROVED	REVISED
SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS		MARCH 2008	AUG 2019
	DD-839-05		SHEET 1 of 1



PROPERTY OF	DOUBLE CHECK ASSEMBLY (DCVA) ABOVE GRADE INSTALLATION	APPROVED	REVISED
SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS		June 2009	AUG 2019
	DD-824-22		SHEET 1 of 1

PROPERTY OF	TYPICAL CONCRETE DETAILS	APPROVED	REVISED
SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS		MARCH 2008	DEC 2018
	DD 858-02		SHEET 1 OF 1

PROPERTY OF	TYPICAL VERTICAL STACK DETAIL	APPROVED	REVISED
SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS		MARCH 2008	AUG 2019
	DD 860-01		SHEET 1 OF 1

NOTE:
1. The Concrete Shall be 4000 PSI Minimum and Reinforced with No. 4 Bars as Shown.
2. The Concrete Shall Extend to Edge of Saw Cut Pavement.
3. Manhole Ring Encasement is Required on all Manholes.
4. Manhole Lid shall Open in the Direction of Traffic or Downstream in Parkway

PROPERTY OF	MANHOLE RING ENCASEMENT DETAIL	APPROVED	REVISED
SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS		AUGUST 2009	AUG 2019
	DD 852-03		SHEET 1 of 2

Notes:
1) All concrete encasement shall be poured at a plane 6" above the pipe between excavated trench walls.
2) All pipe with less than 3' of cover to subgrade shall be concrete-encased.
3) All Force mains shall be provided with thrust blocks, where changes in direction occur, at Tees, Bends, Crosses, changes in size, stops, or as directed by SAWS.

PROPERTY OF	TYPICAL CONCRETE ENCASEMENT DETAILS	APPROVED	REVISED
SAN ANTONIO WATER SYSTEM SAN ANTONIO, TEXAS		MARCH 2008	APRIL 2014
	DD-858-01		SHEET 1 of 1

ALL JOINTS ARE FULLY RESTRAINED IN ACCORDANCE WITH SAWS SPECIFICATION TABLE DD-839-06.

TYPICAL UTILITY/WATER CROSSING DETAIL

NOT-TO-SCALE

UTILITY & STORM DRAINAGE TRENCH

NOT-TO-SCALE

NOTE:
PAVEMENT SECTION SHALL BE 10" ASPHALT TREATED BASE WITH TYPE "D" ASPHALT UNLESS CITY OF SAN ANTONIO REQUIRES/APPROVES AN ALTERNATE PAVING SECTION.

TYPICAL PAVEMENT REPLACEMENT

NOT-TO-SCALE

JANUARY 2006

STANDARD PLANS
CITY OF SAN ANTONIO, TEXAS
DEVELOPMENT SERVICES

CONCRETE COLLAR DETAIL

DRAWN BY:	DATE	REVISIONS	SCALE: SEE ABOVE
ANDREW WINTER, P.E.			DATE: 19 JANUARY 2006
CHECKED BY:			SHEET: 1 OF 1
SAM DENT, P.E.			

1. CONCRETE FOR STRUCTURE SHALL BE CLASS "A," 3,000 P.S.I. AT 28 DAYS.

2. ALL EXPOSED EDGES SHALL BE CHAMFERED 3/4".

3. REINFORCING STEEL SHALL BE NEW BILLET STEEL, INTERMEDIATE GRADE, ASTM A-15. THE DEFORMATION SHALL CONFORM TO ASTM. A-305.

4. ALL DIMENSIONS RELATING TO REINFORCING STEEL ARE TO CENTER OF BARS.

5. ALL BARS INTERCEPTING MANHOLE OPENING AND REINFORCED CONCRETE PIPE SHALL BE FIELD-CUT.

6. WHERE LAPPING OF BARS IS REQUIRED, A MINIMUM LAP OF 33 DIAMETERS SHALL BE USED.

7. INVERT OF JUNCTION BOX TO BE SHAPED WITH CONCRETE FILL (3,000 P.S.I. MIN.) TO EFFECT DRAINAGE TO OUTLET PIPE. COST SUBSIDIARY TO CLASS "A" CONCRETE (JUNCTION BOXES).

CONCRETE COLLAR DETAIL

NOT-TO-SCALE

TYPICAL SANITARY SEWER/WATER CROSSING DETAIL

NOT-TO-SCALE

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Tel 210.222.8059

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08/24/2023	100% SCHEMATIC DESIGN
09/08/2023	50% DD PROGRESS PRINT
10/26/2023	100% DESIGN DEVELOPMENT
01/05/2024	AREA 5 DEMOLITION MOBILIZATION
06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
11078-71

Description
PROPOSED WET UTILITY DETAILS

Scale

C7.10

PAPE-DAWSON ENGINEERS
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TBPE FIRM REGISTRATION #470 | TBPLS FIRM REGISTRATION #10028800

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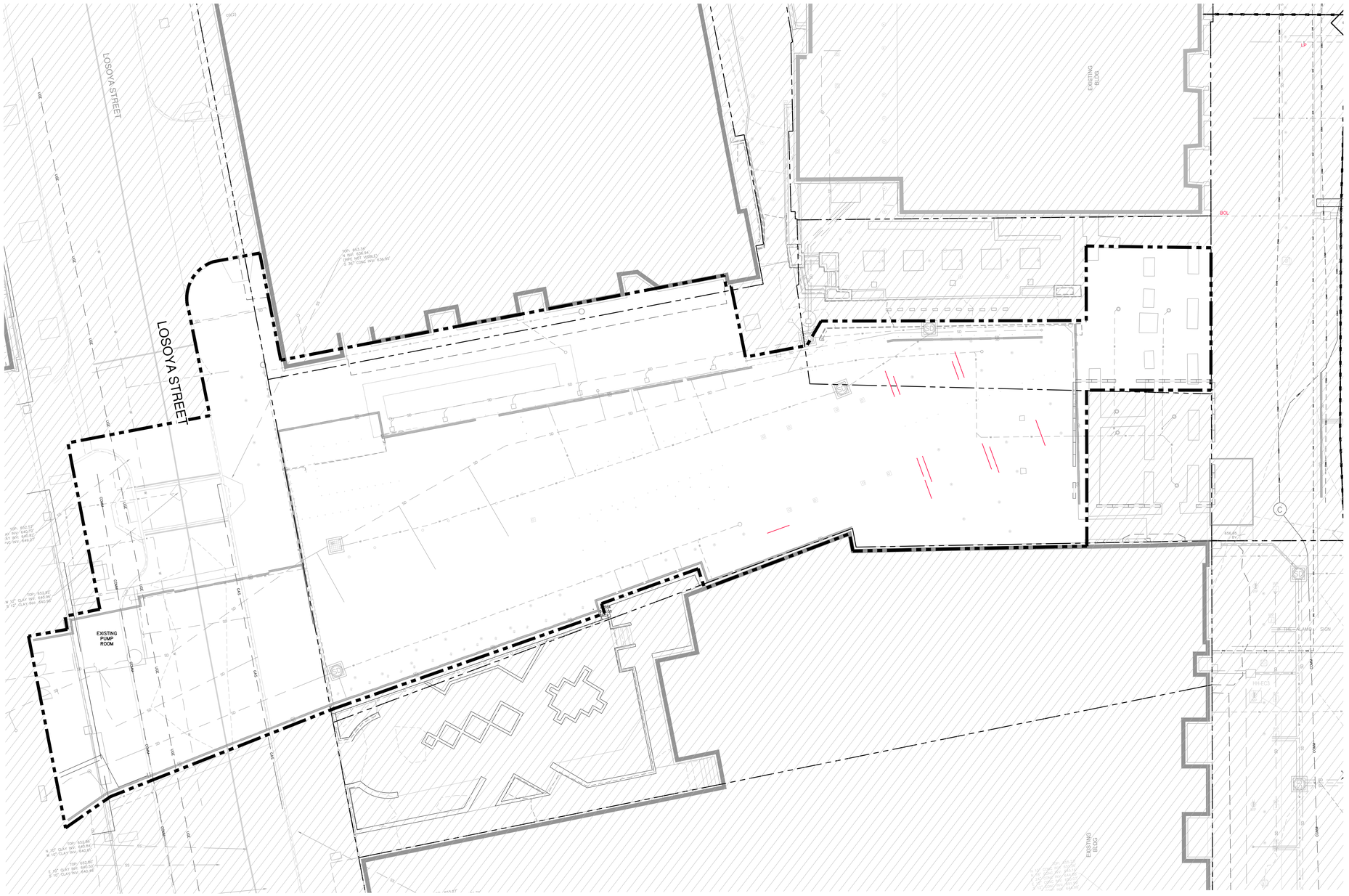

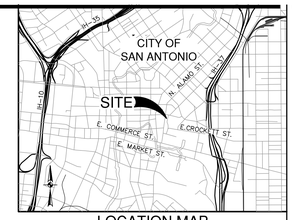

LOCATION MAP
NOT-TO-SCALE

SCALE: 1"= 10'
0' 10' 20' 30'

LEGEND

- PROPERTY LINE
- PHASE 7 PROJECT LIMITS
- EXISTING CURB
- EXISTING FEATURE

PROPOSED UTILITIES
- WATER — VALVE, TEE/BEND, FIRE HYDRANT, END CAP
- SEWER — CLEANOUT, FLOW DIRECTION, END CAP
- DRAINAGE
- ELECTRIC — DUCTBANK, OVERHEAD
- COMMUNICATION
- GAS

EXISTING UTILITIES
- WATER — FIRE HYDRANT
- SEWER
- DRAINAGE
- UNDERGROUND ELECTRIC
- OVERHEAD ELECTRIC
- COMMUNICATION
- GAS

- EXISTING BUILDING
- EXISTING TREES

NOTE:
REFERENCE SHEET C0.01 FOR GENERAL CONSTRUCTION NOTES

CAUTION!!!

CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITED TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT THE CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

TRENCH EXCAVATION SAFETY PROTECTION

CONTRACTOR AND/ OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/ GEOTECHNICAL/ SAFETY/ EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLY WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

PAPE-DAWSON ENGINEERS
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TBPE FIRM REGISTRATION #470 | TBPLS FIRM REGISTRATION #10028800

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Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
11078-71

Description
PROPOSED DRY UTILITY PLAN

Scale

C8.00

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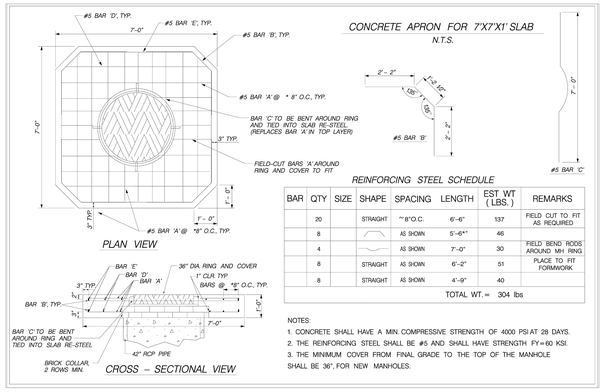
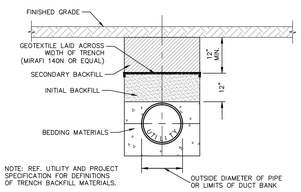


CONCRETE APRON FOR 7'X7'X1' SLAB
N.T.S.

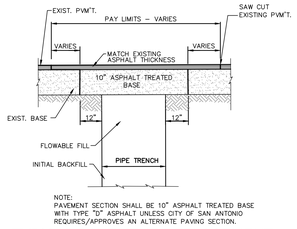
REINFORCING STEEL SCHEDULE

BAR	QTY	SIZE	SHAPE	SPACING	LENGTH	EST WT (LBS.)	REMARKS
	20		STRAIGHT	~*8"O.C.	6'-6"	137	FIELD CUT TO FIT AS REQUIRED
	8			AS SHOWN	5'-6"*	46	
	4			AS SHOWN	7'-0"	30	FIELD BEND RODS AROUND MH RING
	8		STRAIGHT	AS SHOWN	6'-2"	51	PLACE TO FIT FORMWORK
	8		STRAIGHT	AS SHOWN	4'-9"	40	
					TOTAL WT. =	304 lbs	

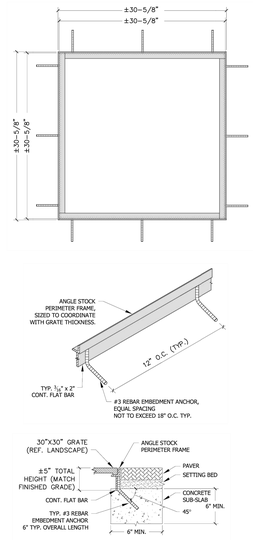
NOTES:
1. CONCRETE SHALL HAVE A MIN. COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
2. THE REINFORCING STEEL SHALL BE #5 AND SHALL HAVE STRENGTH FY=60 KSI.
3. THE MINIMUM COVER FROM FINAL GRADE TO THE TOP OF THE MANHOLE SHALL BE 36", FOR NEW MANHOLES.



TYPICAL UTILITY IN TRENCH
NOT-TO-SCALE



TYPICAL PAVEMENT REPLACEMENT
NOT-TO-SCALE



CPS VAULT VENT REPLACEMENT
NOT-TO-SCALE

8' X 8' X 8' MANHOLE SPECIFICATIONS (PAVED AREAS)

Manhole (vaults) furnished under this request will be used as an enclosure for energized underground primary cables used to supply electrical energy to residential, commercial, of industrial loads.

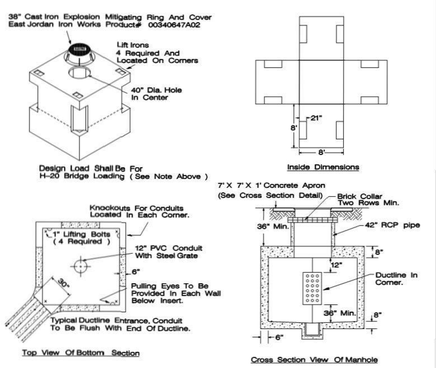
All components shall meet traffic bearing design loads as specified in HS20-44 bridge loading in accordance with American Association of State Highway Officials Standard Specifications.

Construction of the unit shall be such that it can be lifted and lowered into position. Suitable lift bolts shall be provided on both top and lower sections of the vault as indicated.

Manufacturer shall supply an adequate amount of joint sealing compound for each manhole (vault). The sealing compound is placed in the grooves to act as a water tight joining of precast sections.

The floor will have a slight slope towards the center to provide drainage into the sump hole. Sump hole will be 12" deep with bottom sealed.

Pulling eyes for bottom section shall not be in the floor. The eyes should be in the corners below the conduit knockouts.



Contractor Notes

Contractor shall install a traffic bearing cast iron explosion mitigating ring and cover marked "ELECTRIC" (Contractor to procure)

The ring and cover shall have a 36" diameter opening.

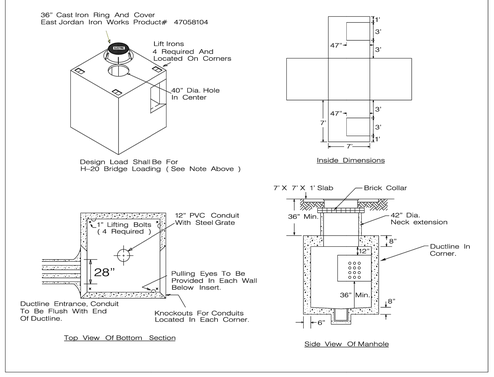
Contractor shall install a 42" RCP pipe-collar (Contractor to procure), in addition to a brick collar, 2 rows high (Contractor to procure), between the roof of the manhole and the bottom of the ring and cover. The minimum cover from final grade to top of manhole shall be 36".

Contractor shall install a 7'-X 7'-X 1' concrete apron around the ring and cover. The slab shall be reinforced as shown in the concrete apron detail.

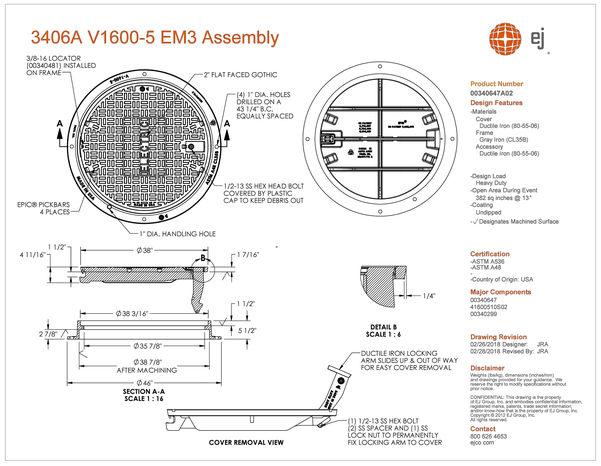
Conduits entering manhole shall have bell ends.

ELECTRICAL 8'x8'x8' MANHOLE
NOT-TO-SCALE

7x7x7 Manhole Dimensions



ELECTRICAL 7'x7'x7' MANHOLE
NOT-TO-SCALE



Product Number
00340647A02
Design Features
-Materials
Cover
Ductile Iron (80-55-06)
Frame
Gray Iron (CL35B)
Accessory
Ductile Iron (80-55-06)
-Design Load
Heavy Duty
-Open Area During Event
382 sq inches @ 13"
-Coating
Undipped
-✓ Designates Machined Surface
Certification
-ASTM A536
-ASTM A48
-
-Country of Origin: USA
Major Components
00340647
41600510S02
00340299
Drawing Revision
02/26/2018 Designer: JRA
02/28/2018 Revised By: JRA
Disclaimer
Weights (lbs/kg), dimensions (inches/mm) and drawings provided for your guidance. We reserve the right to modify specifications without prior notice.
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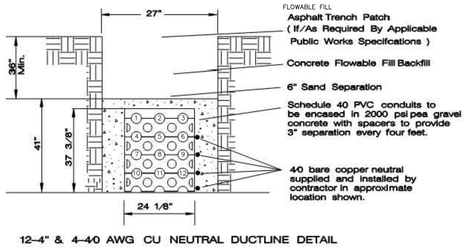
Contact
800 626 4653
ejco.com

NOTE: FINAL TOP ELEVATIONS FOR ALL MANHOLES ARE NOT FINAL AND WILL BE DETERMINED AT A LATER DATE WITH FINAL GRADING AND LANDSCAPE DETAILS.

NOTE: MANHOLES WITH CONCRETE APRON WILL BE MARKED ON PLANS. REFERENCE SHEETS C9.00 & C9.10 FOR DETAILS

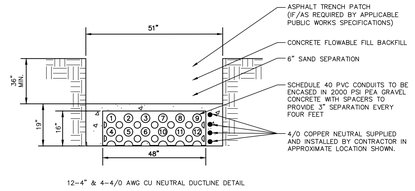
NOTE: CALL CPS INSPECTIONS AND COORDINATE ANY CPS RELATED WORK (Mfg# XXXXXX). THIS INCLUDES, BUT NOT LIMITED TO, INSPECTIONS BEFORE AND AFTER CONCRETE POURS, REMOVAL OF FORMWORK AND MANHOLE TIE-IN COORDINATION.



12-4" & 4-4/0 AWG CU NEUTRAL DUCTLINE DETAIL

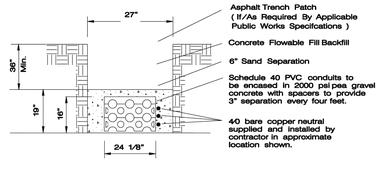
Note: 2' Vertical & Horizontal Utility Clearance Required.
All materials shall be procured by the Customer/Contractor.

CPS ENERGY 12-4" DUCTLINE
NOT-TO-SCALE



12-4" & 4-4/0 AWG CU NEUTRAL DUCTLINE DETAIL

CPS ENERGY 12-4" DUCTLINE (CROSSING)
NOT-TO-SCALE



6-4" & 3-4/0 AWG CU NEUTRAL DUCTLINE DETAIL

CPS ENERGY 6-4" DUCTLINE
NOT-TO-SCALE

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Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
11078-71

Description
PROPOSED DRY UTILITY DETAILS

Scale

C8.10

PAPE-DAWSON ENGINEERS
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TBPE FIRM REGISTRATION #470 | TBPLS FIRM REGISTRATION #10028800

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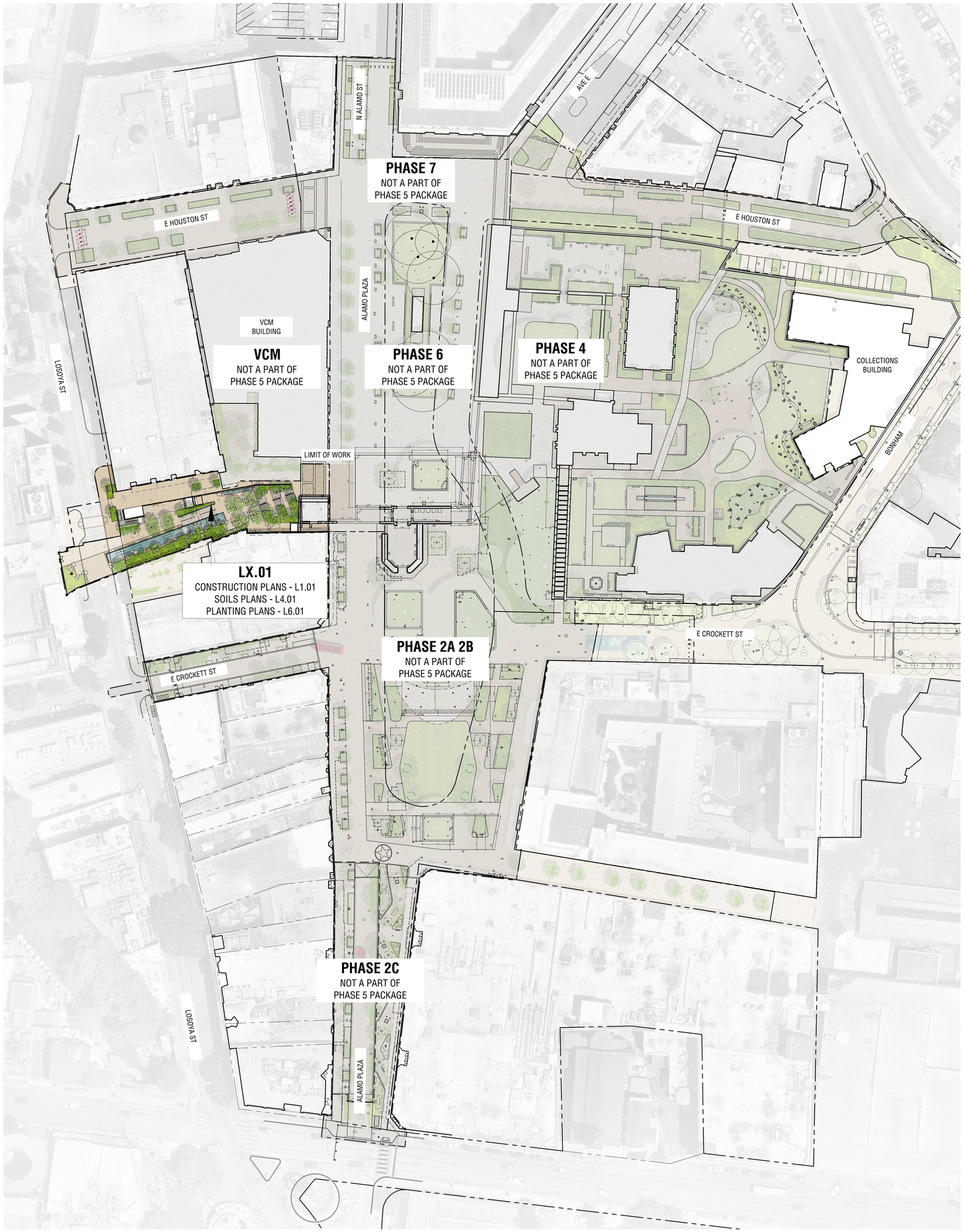

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WF5.0	PIPING & INSTRUMENT DIAGRAM (P&ID)
WF5.1	ELECTRICAL ONE-LINE (EOL)
WF5.2	WATER FEATURES BILL OF MATERIALS

GENERAL NOTES

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2. ATTENTION IS DRAWN TO THE FACT THAT THE SCALE OF THESE DRAWINGS MAY HAVE BEEN DISTORTED DURING THE REPRODUCTION PROCESS. THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY THE OFFICE OF JAMES BURNETT SHALL BE WITHOUT LIABILITY TO THE OFFICE OF JAMES BURNETT.
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Seal / Signature

JAMES D. BURNETT 1485 REGISTERED LANDSCAPE ARCHITECT STATE OF TEXAS
01/05/2024

Date	Description
05/19/2023	50% SCHEMATIC DESIGN
08/10/2023	100% SCHEMATIC DESIGN
09/07/2023	DEMOLITION PACKAGE FOR ARCHAEOLOGICAL PERMIT - WESTERN SCOPE
11/02/2023	100% DESIGN DEVELOPMENT
01/05/2024	AREA 5 DEMOLITION MOBILIZATION
01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
ILLUSTRATIVE ORIENTATION PLAN

Scale
1" = 40'-0"

L0.00

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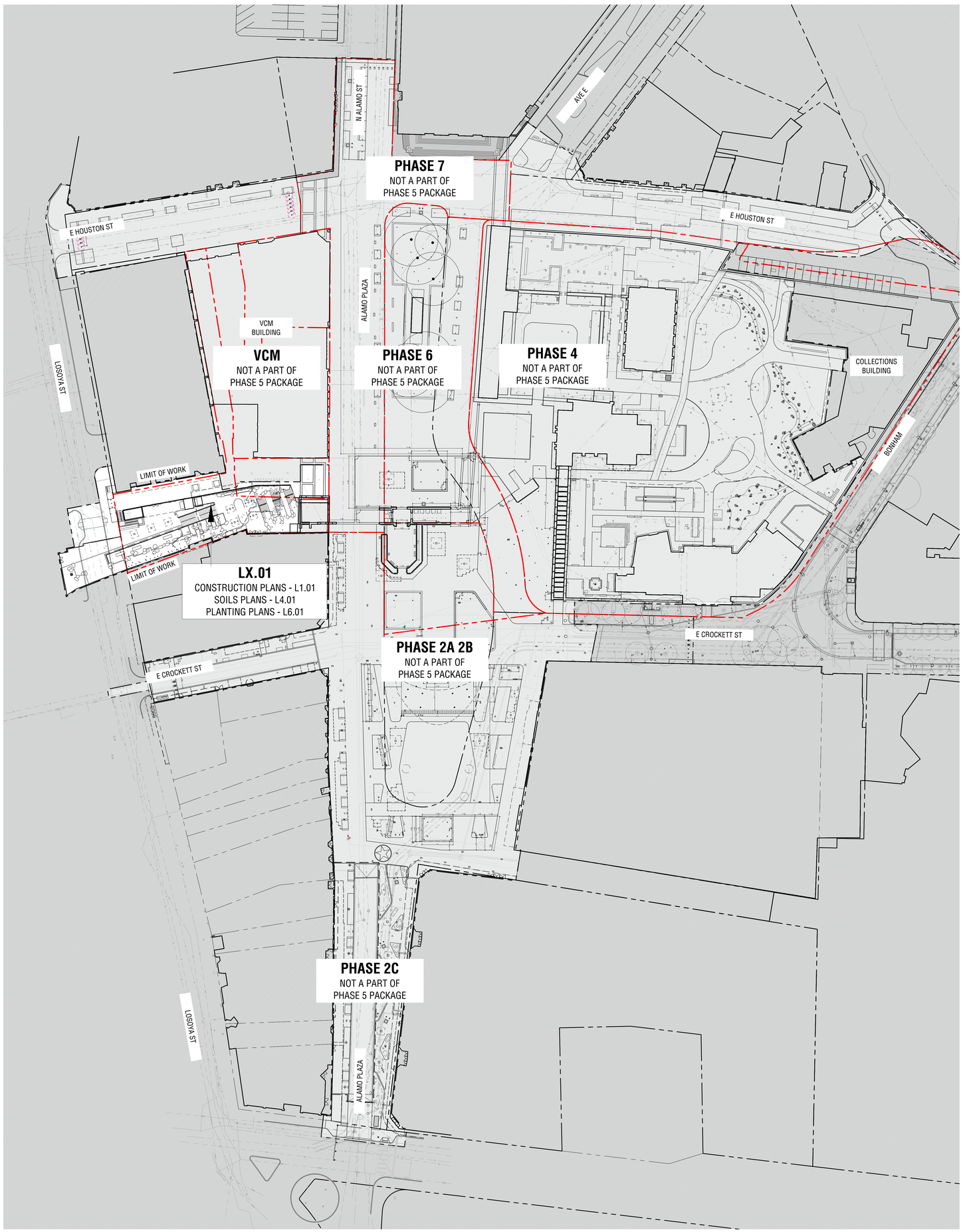

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Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
ORIENTATION PLAN

Scale
1" = 40'-0"

L0.01

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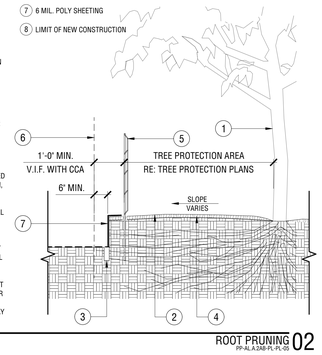
1. EXISTING TREE. RE: TREE PROTECTION PLAN
2. EXISTING GRADE, RE: CIVIL ENGINEER PLANS.
3. ROOT PRUNING TRENCH, 6" MAX WIDTH AND 24" MIN. DEPTH OR AS DETERMINED AT PRE CONSTRUCTION MEETING BY CCA
4. 3" HARDWOOD BARK MULCH LAYER
5. TREE PROTECTION FENCE TO FOLLOW LIMIT OF DISTURBANCE; RE: TREE PROTECTION PLAN

NOTE:
1. ROOTS AND SOIL WITHIN ROOT PRUNING SHALL NOT BE DISTURBED DURING DEMOLITION, EXCAVATION, FORMING INSTALLATION AND FINISHING.
2. EXACT LOCATION OF TRENCH SHALL BE DETERMINED IN THE FIELD IN COORDINATION WITH CCA AND DESIGN TEAM.
3. TRENCH SHOULD BE IMMEDIATELY BACKFILLED WITH EXCAVATED SOIL OR OTHER AMENDED SOIL AS SPECIFIED BY CCA.
4. ALL ROOTS SHALL BE CLEANLY CUT USING VIBRATORY KNIFE OR OTHER APPROVED EQUIPMENT BY CCA.
5. PROVIDE POSITIVE DRAINAGE AWAY FROM ROOT FLARE.

6. LIMIT OF NEW CONSTRUCTION
7. 6 MIL. POLY SHEETING
8. LIMIT OF NEW CONSTRUCTION

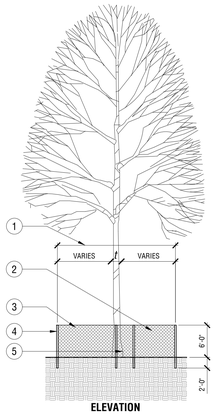


0 16" 32"
SCALE: 3/8" = 1'-0"

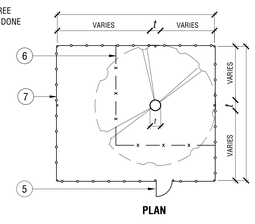
ROOT PRUNING 02
PP-ALA2SIP-PL-01

1. RE PLANS; DIMENSION SHOWN ON PLAN OR IF NO DIMENSION SHOWN, EXTENTS OF DRIPLINE
2. TIE OVERLAPPING ENDS W/ METAL FASTENERS
3. 6' HIGH CHAIN LINK FENCING
4. METAL POSTS DRIVEN INTO GRADE 2' POSTS AS REQUIRED, 8'-0" O.C. MAX.
5. GATE FOR ACCESS
6. DEMOLITION PHASE TREE PROTECTION FENCING, MAINTAIN 6" SPACING FROM ALL EXISTING HARDSCAPE, TYP. RE: TREE PROTECTION PLANS
7. CONSTRUCTION PHASE TREE PROTECTION FENCING, MAINTAIN 6' CLEAR OF ALL PROPOSED HARDSCAPE, TYP. RE: TREE PROTECTION PLANS

NOTES:
1. COORDINATE SITE FENCING WITH TREE PROTECTION FENCING. CONSULT LANDSCAPE ARCHITECT AND ARBORIST REGARDING ANY CHANGES IN TREE PROTECTION FENCING.
2. CONSULTING ARBORIST SHALL CONFIRM SIZE OF AND APPROVE ALL TREE PROTECTION ZONES IN FIELD PRIOR TO CONSTRUCTION.
3. TREE PROTECTION FENCING SHALL ALWAYS EXTEND TO LIMITS OF DRIPLINE WHERE POSSIBLE WITHOUT VIOLATING 6' CLEARANCE OF EXISTING OR PROPOSED HARDSCAPE. DIMENSIONS SHOWN AS REFERENCE ONLY, CONSULT LANDSCAPE ARCHITECT AND ARBORIST PRIOR TO CONSTRUCTION.
4. ALL WORK PERFORMED WITHIN TREE PROTECTION FENCING SHOULD BE DONE BY HAND, NO HEAVY MACHINERY.



ELEVATION



PLAN

0 10' 1b
SCALE: 1" = 10'

TREE PROTECTION FENCING 01
PP-ALA2SIP-PL-01

TREE PRESERVATION SCHEDULE

TREE TAG NUMBER (CURRENT 2023)	PREVIOUS TREE NUMBER (2016 TREE SURVEY)	LATIN NAME	COMMON NAME	CONDITION	DBH (IN.)	SIGNIFICANT PRESERVED	SIGNIFICANT REMOVED	HERITAGE PRESERVED	HERITAGE REMOVED	COMMENTS
124	123	*Quercus polymorpha*	MEXICAN WHITE OAK	GOOD	9		9			**TREE CANOPY CALCULATIONS** GROSS PROJECT AREA: 24,940 SF EXISTING TREE CANOPY COVERAGE: 1,463 SF PROPOSED TREE CANOPY COVERAGE: 21,150 SF **FINAL TREE CANOPY COVERAGE: 85%**
125	N/A	*Ulmus crassifolia*	CEDAR ELM	GOOD	10		10			
126	N/A	*Ulmus crassifolia*	CEDAR ELM	GOOD	8		8			**MITIGATION REQUIRED:**
127	N/A	*Ulmus crassifolia*	CEDAR ELM	FAIR	10.5		10.5			SIGNIFICANT: 121.5" EXISTING ACTUAL SIGNIFICANT PRESERVED:0" (0%)
128	N/A	*Quercus kelloggii*	CALIFORNIA BLACK OAK	GOOD	13.5		13.5			HERITAGE: 0" EXISTING ACTUAL HERITAGE PRESERVED: 0" (0%)
129	N/A	*Quercus kelloggii*	CALIFORNIA BLACK OAK	GOOD	8.5		8.5			TOTAL MITIGATION REQUIRED: 121.5"
130	N/A	*Quercus kelloggii*	CALIFORNIA BLACK OAK	FAIR	10		10			**TREES ADDED** ACER NEGUNDO (3Ø6"): 18" CERCIS CANADENSIS TEXENSIS(4Ø6"): 24" QUERCUS MACROCARPA (5Ø6"): 30" QUERCUS CANBYI (11Ø6"): 66" SALIX NIGRA (3Ø6"): 12" ULMUS CRASSIFOLIA (4Ø6"): 24"
131	N/A	*Quercus kelloggii*	CALIFORNIA BLACK OAK	FAIR	8		8			
132	N/A	*Quercus kelloggii*	CALIFORNIA BLACK OAK	FAIR	13		13			**TOTAL NEW: 174"** **121.5" ABOVE REQUIRED**
133	N/A	Lagerstroemia indica	CRAPEMYRTLE COMMON	POOR	7, 7, 6, 5, 5, 4		7			
134	N/A	Lagerstroemia indica	CRAPEMYRTLE COMMON	POOR	5.00, 5.00, 4.00		5			
135	N/A	Washington robusta	MEXICAN FAN PALM	DEAD	10		N/A			
136	N/A	Washington robusta	MEXICAN FAN PALM	DEAD	12		N/A			
137	N/A	Washington robusta	MEXICAN FAN PALM	DEAD	13		N/A			
138	N/A	Lagerstroemia indica	CRAPEMYRTLE COMMON	POOR	6, 6		6			
139	N/A	Dermatophyllum secundiflorum	TEXAS MOUNTAIN LAUREL	POOR	6, 5, 5, 5		6			
140	N/A	Lagerstroemia indica	CRAPEMYRTLE COMMON	DEAD	6, 6, 5		N/A			
141	N/A	Lagerstroemia indica	CRAPEMYRTLE COMMON	FAIR	7, 5		7			
TOTALS					121.5	0	121.50	0	0	

LANDSCAPE POINTS CALCULATIONS

**PER UDC LANDSCAPE ORDINANCE SECTION (E) - ELECTIVE CRITERIA; REQUIRED POINTS FOR PROJECTS WHICH DO NOT INCLUDE OFF-STREET PARKING WITHIN THE STREET YARD = (25) POINTS*

FULL CREDIT EARNED FOR PRESERVING TREES WITHIN THE STREET YARD UP TO (30) POINTS.
HALF CREDIT EARNED FOR PRESERVING TREES WITHIN THE STREET YARD ABOVE (30) POINTS.
HALF CREDIT MAY BE EARNED FOR PRESERVING TREES OUTSIDE THE STREET YARD UP TO MAXIMUM (15) POINTS.

THESE POINTS SHALL BE INCLUDED WITHIN THE MAXIMUM (40) POINTS PERMITTED BY THIS ELECTIVE. POINTS SHALL BE TABULATED FOR EACH TREE RETAINED IN ACCORDANCE WITH THE FOLLOWING CRITERIA:

TREE PRESERVATION POINTS
DBH 4-6" = 3 POINTS PER TREE
DBH 6-12" = 4 POINTS PER TREE
DBH 12-18" = 6 POINTS PER TREE
DBH 18" OR GREATER = 8 POINTS PER TREE

PHASE 5 TREE PRESERVATION POINTS:

**PER TREE PRESERVATION SCHEDULE ABOVE*

DBH 4-6" = 0 TREES PRESERVED
DBH 6-12" = 0 TREES PRESERVED
DBH 12-18" = 0 TREES PRESERVED
DBH 18" OR GREATER = 0 TREES PRESERVED

TREE PROTECTION NOTES

NOTE: GUIDELINES PER PRELIMINARY ARBORIST REPORT PROVIDED BY CERTIFIED CONSULTING ARBORIST (CCA); BARTLETT TREE EXPERTS. CONTACT ZACHARY POWERS, 704.588.1503

1. TREES TO BE PRESERVED AND TREE PROTECTION ZONES (TPZs) ARE INCLUDED ON ALL CONSTRUCTION PLANS.
2. PROJECT PLANS AFFECTING THE TREES SHALL BE REVIEWED BY THE CONSULTING ARBORIST WITH REGARD TO TREE IMPACTS. THESE INCLUDE, BUT ARE NOT LIMITED TO, DEMOLITION PLANS, SITE PLANS, IMPROVEMENT PLANS, UTILITY AND DRAINAGE PLANS, GRADING PLANS, AND LANDSCAPE AND IRRIGATION PLANS.
3. A TREE PROTECTION ZONE SHALL BE ESTABLISHED AROUND EACH TREE TO BE PRESERVED. NO GRADING, EXCAVATION, CONSTRUCTION, OR STORAGE OF MATERIALS SHALL OCCUR WITHIN THAT ZONE.
4. NO UNDERGROUND SERVICES UNCLUDING UTILITIES, SUB-DRAINS, WATER OR SEWER SHALL BE PLACED IN THE TREE PROTECTION ZONE.
5. IRRIGATION SYSTEMS MUST BE DESIGNED SO THAT NO TRENCHING WILL OCCUR WITHIN THE TREE PROTECTION ZONE.
6. AS TREES WITHDRAW WATER FROM THE SOIL, EXPANSIVE SOILS MAY SHRINK WITHIN THE ROOT AREA. THEREFORE, FOUNDATIONS, FOOTINGS AND PAVEMENTS ON EXPANSIVE SOILS NEAR TREES SHOULD BE DESIGNED TO WITHSTAND DIFFERENTIAL DISPLACEMENT.
7. IMMEDIATELY BEGIN IRRIGATING TREES TO BE PRESERVED AND TRANSPLANTED AND CONTINUE THROUGHOUT THE CONSTRUCTION PROCESS AT A SCHEDULE DETERMINED BY THE PROJECT ARBORIST.
8. FENCE ALL TREES TO BE RETAINED TO COMPLETELY ENCLOSE THE TREE PROTECTION ZONE PRIOR TO DEMOLITION, GRUBBING, OR GRADING. FENCES SHALL BE 6' CHAIN LINK OR EQUIVALENT AS APPROVED BY THE CONSULTING ARBORIST. FENCES ARE TO REMAIN UNTIL ALL GRADING AND CONSTRUCTION IS COMPLETED.
9. TREES MAY REQUIRE PRUNING TO PROVIDE CONSTRUCTION CLEARANCE. ALL PRUNING SHALL BE COMPLETED BY A CERTIFIED ARBORIST OR TREE WORKER AND ADHERE TO THE LATEST EDITION OF THE ANSI Z133 AND A300 STANDARDS AS WELL AS THE BEST MANAGEMENT PRACTICES -- TREE PRUNING PUBLISHED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE. BRUSH SHALL BE CHIPPED AND SPREAD BENEATH THE TREES WITHIN THE TREE PROTECTION ZONE.
10. TREES TO BE REMOVED THAT HAVE BRANCHES EXTENDING INTO THE CANOPY OF TREES TO REMAIN MUST BE REMOVED BY A QUALIFIED ARBORIST AND NOT BY CONSTRUCTION CONTRACTORS. THE QUALIFIED ARBORIST SHALL REMOVE THE TREE IN A MANNER THAT CAUSES NO DAMAGE TO THE TREES AND UNDERSTORY TO REMAIN. TREE STUMPS SHALL BE GROUND 12" BELOW GROUND SURFACE.
11. PRIOR TO BEGINNING WORK, THE CONTRACTORS WORKING IN THE VICINITY OF TREES TO BE PRESERVED ARE REQUIRED TO MEET WITH THE CONSULTING ARBORIST AT THE SITE TO REVIEW ALL WORK PROCEDURES, ACCESS ROUTES, STORAGE AREAS, AND TREE PROTECTION MEASURES.
12. ALL CONTRACTORS SHALL CONDUCT OPERATIONS IN A MANNER THAT WILL PREVENT DAMAGE TO TREES TO BE PRESERVED.
13. ANY GRADING, CONSTRUCTION, DEMOLITION OR OTHER WORK THAT IS EXPECTED TO ENCOUNTER TREE ROOTS SHOULD BE MONITORED BY THE CONSULTING ARBORIST.
14. TREE PROTECTION FENCES ARE TO REMAIN UNTIL ALL SITE WORK HAS BEEN COMPLETED. FENCES MAY NOT BE RELOCATED OR REMOVED WITHOUT PERMISSION OF THE CONSULTING ARBORIST.
15. CONSTRUCTION TRAILERS, TRAFFIC AND STORAGE AREAS MUST REMAIN OUTSIDE FENCED AREAS AT ALL TIMES.
16. ANY ROOT PRUNING REQUIRED FOR CONSTRUCTION PURPOSES SHALL RECEIVE THE PRIOR APPROVAL OF AND BE SUPERVISED BY THE CONSULTING ARBORIST.
17. IF INJURY SHOULD OCCUR TO ANY TREE DURING CONSTRUCTION, IT SHOULD BE EVALUATED AS SOON AS POSSIBLE BY THE CONSULTING ARBORIST SO THAT APPROPRIATE TREATMENTS CAN BE APPLIED.
18. NO EXCESS SOIL, CHEMICALS, DEBRIS, EQUIPMENT OR OTHER MATERIALS, SHALL BE DUMPED OR STORED WITHIN THE TREE PROTECTION ZONE.
19. ANY ADDITIONAL TREE PRUNING NEEDED FOR CLEARANCE DURING CONSTRUCTION MUST BE PERFORMED BY A CERTIFIED ARBORIST AND NOT BY CONSTRUCTION PERSONNEL.
20. PRESERVED TREES WILL EXPERIENCE A PHYSICAL ENVIRONMENT DIFFERENT FROM THE PRE-DEVELOPMENT. AS A RESULT, TREE HEALTH AND STRUCTURAL STABILITY SHOULD BE MONITORED. OCCASIONAL PRUNING, FERTILIZATION, MULCH, PEST MANAGEMENT, REPLANTING AND IRRIGATION MAY BE REQUIRED. IN ADDITION, PROVISIONS FOR MONITORING BOTH TREE HEALTH AND STRUCTURAL STABILITY FOLLOWING CONSTRUCTION MUST BE MADE A PRIORITY. AS TREES AGE, THE LIKELIHOOD OF FAILURE OF BRANCHES OR ENTIRE TREES INCREASES. THEREFORE, ANNUAL INSPECTION FOR STRUCTURAL CONDITION IS RECOMMENDED.
21. DO NOT BURN, BURY, OR LANDFILL DEMOLISHED TREES. CHIP, GRIND, CRUSH, OR SHRED DEMOLISHED TREES ON SITE FOR MULCHING, COMPOSTING DURING CONSTRUCTION.

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Development Manager
MGAC
730 11th St NW
Washington, DC 20001
Tel 512.828.7434

Seal / Signature

REGISTERED LANDSCAPE ARCHITECT STEVEN D. BUNTING 2485 STATE OF TEXAS
01/05/2024

△ Date	Description
05/19/2023	50% SCHEMATIC DESIGN
08/10/2023	100% SCHEMATIC DESIGN
09/07/2023	DEMOLITION PACKAGE FOR ARCHAEOLOGICAL PERMIT - WESTERN SCOPE
11/02/2023	100% DESIGN DEVELOPMENT
01/05/2024	AREA 5 DEMOLITION MOBILIZATION
01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
TREE PROTECTION LEGEND AND NOTES

Scale

L0.10

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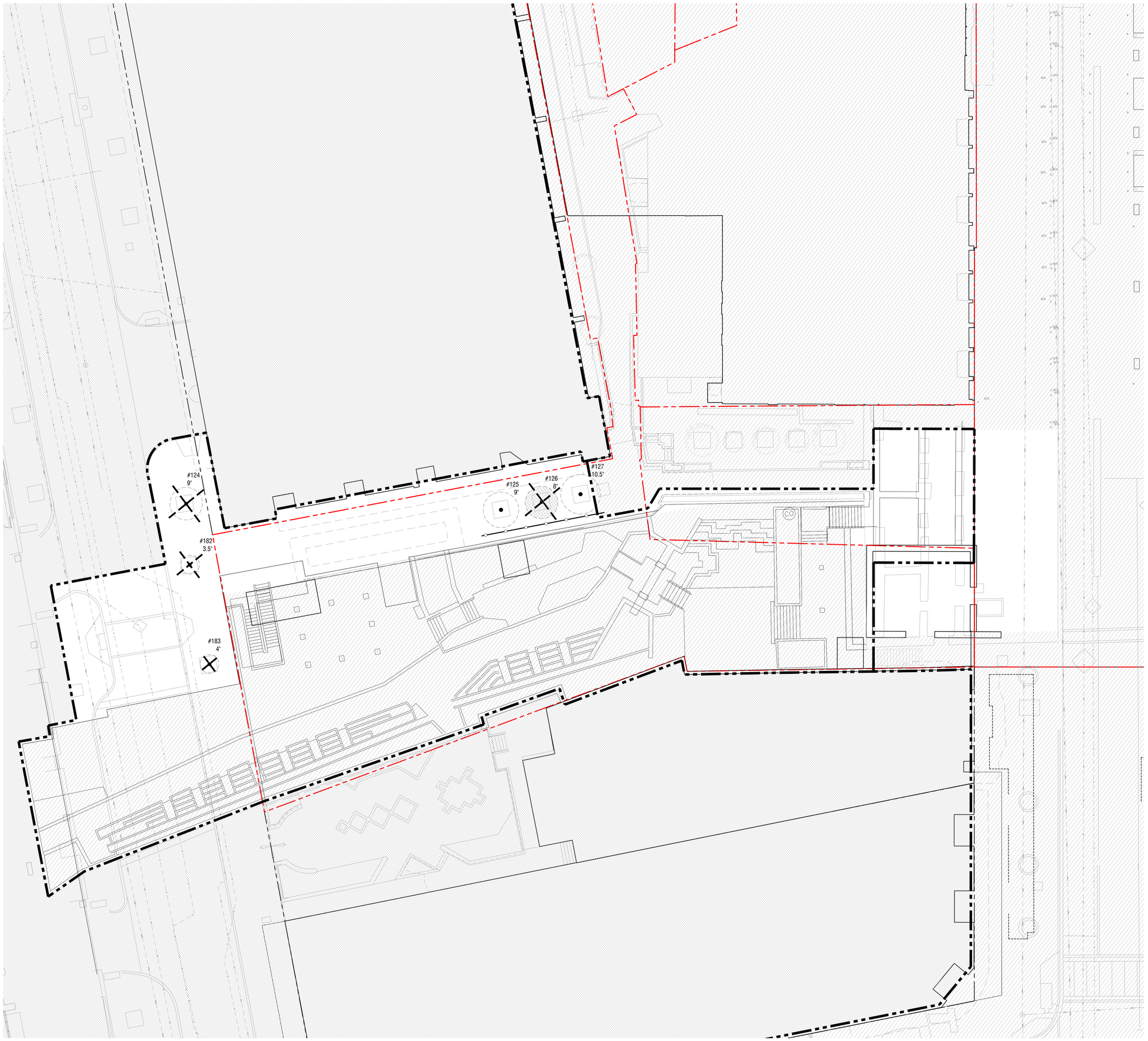

0 5 10 20
SCALE: 1"=10'-0"

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Seal / Signature

LICENSED LANDSCAPE ARCHITECT
JAMES D. RUNNELS
1482
STATE OF TEXAS

01/05/2024

Date	Description
05/19/2023	50% SCHEMATIC DESIGN
08/10/2023	100% SCHEMATIC DESIGN
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06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name

ALAMO SITE: AREA 5 - LOWER PASEO

Project Number

122.0076.500

Description

TREE PROTECTION PLANS

Scale

1" = 10'-0"

L0.00

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Version: June 06, 2024 07:44:26pm
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6/4/2024 9:59:45 AM
Plotted by: Antonio Walker

CONSTRUCTION SCHEDULE

SYMBOL	DESCRIPTION	DETAIL	SPECIFICATION	MANUF./ MODEL	MATERIAL	FINISH	COLOR	COMMENTS
CONCRETE UNIT PAVING								
CP-01	CONCRETE UNIT PAVING, TYPE 1	01, 03, 04, 05, 06/ L3.01	32 14 00	HANOVER #89-1914 OR WAUSAU #W23-123VS, TO MATCH PHASE 2AB	6'x12' PRECAST CONCRETE UNIT PAVER THICKNESS VARIES BY MANUFACTURER	SEALED, TO MATCH CONTROL SAMPLES. NO BEVEL, SQUARE EDGE	TO MATCH CONTROL SAMPLES	SAND SET ON CONCRETE SUB-SLAB WITH POLYMERIC SAND JOINTS. CONTRACTOR TO APPLY MANUFACTURER APPROVED PENETRATING SEALER; PERMASHIELD #4200 OR APPROVED EQUAL. CONTRACTOR TO PROVIDE SAMPLES, MOCK-UP, AND SHOP DRAWINGS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT. REFER TO CIVIL ENGINEER'S DRAWINGS FOR ADDITIONAL INFO ON CONCRETE SUB-SLAB THICKNESS AND REINFORCING. UTILIZE 5'H PERMALOCK ASPHALTEDGE, BLACK DURAFLEX EDGING AT ALL PLANTING EDGES, TYPICAL.
UP-02	CONCRETE UNIT PAVING, TYPE 2		32 14 00	HANOVER PREST #M3777	6'X12' PRECAST CONCRETE UNIT PAVER THICKNESS VARIES BY MANUFACTURER STANDARD h-20 THICKNESS	GROUND TUDOR	#M3777	SAND SET ON CONCRETE SUB-SLAB WITH POLYMERIC SAND JOINTS. CONTRACTOR TO APPLY MANUFACTURER APPROVED PENETRATING SEALER; PERMASHIELD #4200 OR APPROVED EQUAL. CONTRACTOR TO PROVIDE SAMPLES, MOCK-UP, AND SHOP DRAWINGS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT. REFER TO CIVIL ENGINEER'S DRAWINGS FOR ADDITIONAL INFO ON CONCRETE SUB-SLAB THICKNESS AND REINFORCING.
STONE PAVING								
SP-01	STONE PAVER, TYPE 1 LIMESTONE PAVER		09 63 41	APEX STONE OR APPROVED EQUAL	3" THICK PAVER, DIMENSIONALLY CUT LIMESTONE SIZE: 20" x 40"	SEALED, BUSH HAMMER. EXCLUDE INCLUSIONS. 1/3 RUNNING BOND PATTERN	MOCHA LIMESTONE. WALNUT GROUT.	MORTAR SET ON CONCRETE SUB-SLAB WITH 3/16" GROUTED JOINTS. GROUT COLOR SHALL BE WALNUT. CONTRACTOR TO PROVIDE SAMPLES, MOCK-UP, AND SHOP DRAWINGS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT. RE: CIVIL DRAWINGS FOR CONCRETE SUB-SLAB THICKNESS AND REINFORCING. CONTACT APEX STONE; 979.987.6017. ALIGN COLOR BETWEEN STONE UNITS, EXCLUDE INCLUSIONS.
SP-02A	STONE PAVER, TYPE 2 LIMESTONE PAVER		09 63 41	APEX STONE OR APPROVED EQUAL	3" THICK PAVER, DIMENSIONALLY CUT LIMESTONE SIZE: VARIES, RE: DETAIL	SPLIT-FACE, HAND-TOOLED TO ELIMINATE LIPPAGE. ACID WASH AND SEALED. DIMENSIONAL BANDING PATTERN	MOCHA LUEDERS LIMESTONE. DESERT KHAKI GROUT.	FINISH TO MEET ALL STATE AND FEDERAL ADA REQUIREMENTS; NOT VARYING MORE THAN 3/16" ABOVE AND 1/8" BELOW UNIT EDGES. MORTAR SET ON CONCRETE SUB-SLAB WITH 3/16" GROUTED JOINTS. CONTRACTOR TO PROVIDE SAMPLES, MOCK-UP, AND SHOP DRAWINGS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT. REFER TO CIVIL ENGINEER'S DRAWINGS FOR ADDITIONAL INFO ON CONCRETE SUB-SLAB THICKNESS AND REINFORCING. CONTACT APEX STONE; 979.987.6017.
SP-03A	STONE PAVER, TYPE 3 LIMESTONE PAVER		09 63 41	APEX STONE OR APPROVED EQUAL	2-1/2" THICK PAVER, DIMENSIONALLY CUT LIMESTONE SIZE: VARIES, RE: DETAIL	UNSEALED, TUMBLED, HAND-TOOLED TO ELIMINATE LIPPAGE	MOCHA LUEDERS	PROVIDE ALTERNATE 'LARGE CHOP' FINISH FOR REVIEW AND FINAL APPROVAL TO MEET ADA REQUIREMENTS. MORTAR SET ON CONCRETE SUB-SLAB WITH GROUT JOINTS. CONTRACTOR TO PROVIDE SAMPLES, MOCK-UP, AND SHOP DRAWINGS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT. REFER TO CIVIL ENGINEER'S DRAWINGS FOR ADDITIONAL INFO ON CONCRETE SUB-SLAB THICKNESS AND REINFORCING. CONTACT APEX STONE; 979.987.6017.
CURBING								
CB-51	ALT. 5-12 STONE CURB	03/L3.01	09 63 41	APEX STONE OR APPROVED EQUAL	4" LIMESTONE CURB	SEALED, BUSHHAMMER	CINNAMON	PROVIDE SAMPLE, SHOP DRAWINGS, AND MOCK-UP. RE: CIVIL AND ARCHITECT FOR ADDITIONAL INFORMATION.
SITE WALLS								
SW-01A	STONE SEAT WALL (8' LENGTH)		32 93 20	APEX STONE OR APPROVED EQUAL	**8'L** x 1.5'W x 1.75'H SEALED LIMESTONE BLOCK, CUT IN (2) EQUAL SEGMENTS ON AGGREGATE BASE	**FRONT/BACK:** KERFED AND CHISELED **TOP/ENDS:** HONED	GREY LEUDERS	REFERENCE PLANS FOR ORIENTATION. BLOCKS WILL HAVE ONE LONG EDGE WITH NO QUARRY DRILL HOLES. CONTRACTOR IS TO VERIFY ALL LAYOUTS IN FIELD WITH DESIGN TEAM PRIOR TO INSTALLATION. CONTRACTOR TO PROVIDE SAMPLES, MOCK-UP AND DETAILED SHOP DRAWINGS OF ALL WALLS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT AND CIVIL ENGINEER PRIOR TO INSTALL.
SW-01B	STONE SEAT WALL (12' LENGTH)	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE
SW-51A	ALT. 5-6 INTEGRATED STONE BENCH, TYPE 1 (6' LENGTH)		04 43 00	APEX STONE OR APPROVED EQUAL	**8'L** x 1.5'W x 1.75'H SEALED LIMESTONE BLOCK, CUT IN (2) EQUAL SEGMENTS ON AGGREGATE BASE	**FRONT/BACK:** KERFED AND CHISELED **TOP/ENDS:** HONED	CINNAMON	CONTRACTOR IS TO VERIFY ALL LAYOUTS IN FIELD WITH PROJECT ARBORIST AND DESIGN TEAM PRIOR TO INSTALLATION. REFERENCE DETAILS FOR STONE MATERIAL SIZING. CONTRACTOR TO COORDINATE AT LEAST (2) QUARRY VISITS TO REVIEW AND SELECT STONE. CONTRACTOR TO PROVIDE SAMPLES AND DETAILED SHOP DRAWINGS OF ALL WALLS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO INSTALL. CONTRACTOR TO ALLOW FOR AT LEAST (2) ROUNDS OF MOCK-UPS TO REVIEW MATERIAL COLOR/ FINISH/ SIZES WITH MORTAR/ GROUT COLOR AND STONE LAYOUTS. REFERENCE STRUCTURAL DRAWINGS FOR FOUNDATION AND WALL REINFORCEMENT.
SW-51B	ALT. 5-6 INTEGRATED STONE BENCH, TYPE 2 (8' LENGTH)		04 43 00	APEX STONE OR APPROVED EQUAL	**8'L** x 1.5'W x 1.75'H SEALED LIMESTONE BLOCK, CUT IN (2) EQUAL SEGMENTS ON AGGREGATE BASE			
SW-52	RETAINING WALL WITH STONE CLADDING		32 93 20	APEX STONE OR APPROVED EQUAL	**FOUNDATION:** RE: STRUC. **WALL:** RE: STRUC. **CLADDING:** 3" THICK LIMESTONE	**FOUNDATION:** EXISTING OR NEW CONCRETE **FACE:** HEAVY BUSH HAMMER **TOP:** HONED	GREY LEUDERS	CONTRACTOR IS TO VERIFY ALL LAYOUTS IN FIELD WITH PROJECT ARBORIST AND DESIGN TEAM PRIOR TO INSTALLATION. REFERENCE DETAILS FOR STONE MATERIAL SIZING. CONTRACTOR TO COORDINATE AT LEAST (2) QUARRY VISITS TO REVIEW AND SELECT STONE. CONTRACTOR TO PROVIDE SAMPLES AND DETAILED SHOP DRAWINGS OF ALL WALLS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO INSTALL. CONTRACTOR TO ALLOW FOR AT LEAST (2) ROUNDS OF MOCK-UPS TO REVIEW MATERIAL COLOR/ FINISH/ SIZES WITH MORTAR/ GROUT COLOR AND STONE LAYOUTS. REFERENCE STRUCTURAL DRAWINGS FOR FOUNDATION AND WALL REINFORCEMENT.
SW-53	CHEEK WALL (AT ST-52)			APEX STONE OR APPROVED EQUAL				
STRATIGRAPHY WALL								
SW-54	ALT. 5-13 STRATIGRAPHY WALL			RE: WATER FEATURE SHEETS FOR PIPING; RE: INTERPRETATION RE: LANDSCAPE FOR STONE LAYOUT RE: STRUCTURAL FOR FOUNDATIONS	APEX STONE OR APPROVED EQUAL	**STONE TYPE 1**: ROUGHBACK **STONE TYPE 2**: ROUGHBACK **STONE TYPE 3**: ROUGHBACK	**STONE TYPE 1**: CINNAMON **STONE TYPE 2**: EDWARDS AQUIFER **STONE TYPE 3**: MOCHA LEUDERS	
STAIRS								
SR-51	ALT. 5-5 STONE BLOCK STAIRS, TYPE 1		09 63 41	APEX STONE OR APPROVED EQUAL	**FOUNDATION:** RE: STRUC. **TREAD:** LENGTH VARIES; RE: PLAN 1'W x 0.5'H SEALED LIMESTONE BLOCK	**SUB-SLAB:** RE: STRUCT. **STAIR FACE:** KERFED AND CHISELED **STAIR TOP:** HONED, TOP & BOTTOM TREAD INCL. WARNING GROOVES	CINNAMON	REFERENCE PLANS FOR BLOCK ORIENTATIONS. BLOCKS WILL HAVE ONE LONG EDGE WITH NO QUARRY DRILL HOLES. CONTRACTOR IS TO VERIFY ALL LAYOUTS IN FIELD WITH DESIGN TEAM PRIOR TO INSTALLATION. CONTRACTOR TO PROVIDE SAMPLES, MOCK-UP, AND DETAILED SHOP DRAWINGS OF ALL BLOCKS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO INSTALL.
SR-52	ALT. 5-5 STONE BLOCK STAIRS, TYPE 2		09 63 41	APEX STONE OR APPROVED EQUAL	**FOUNDATION:** RE: STRUC. **TREAD:** 12'L x 1.5'W x 0.33'H SEALED LIMESTONE BLOCK	**SUB-SLAB:** RE: STRUCT. **STAIR FACE:** KERFED AND CHISELED **STAIR TOP:** HONED, TOP & BOTTOM TREAD INCL. WARNING GROOVES	CINNAMON	REFERENCE PLANS FOR BLOCK ORIENTATIONS. BLOCKS WILL HAVE ONE LONG EDGE WITH NO QUARRY DRILL HOLES. CONTRACTOR IS TO VERIFY ALL LAYOUTS IN FIELD WITH DESIGN TEAM PRIOR TO INSTALLATION. CONTRACTOR TO PROVIDE SAMPLES, MOCK-UP, AND DETAILED SHOP DRAWINGS OF ALL BLOCKS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO INSTALL.
BOLLARDS								
BO-01	OPERABLE BOLLARD	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE
BO-09	FIXED SECURITY BOLLARD, TYPE 1 STANDARD MOUNT		09 91 13 RE: SECURITY	AMERISTAR DS22 FIXED BOLLARD OR APPROVED EQUAL	38"H, 10-3/4" DIA. WITH ST. STEEL SLEEVE	HIGH PERFORMANCE COATING	CUSTOM COLOR PER LANDSCAPE ARCH. TBD	CONTRACTOR TO CONFIRM ALL SECURITY REQUIREMENTS ARE MET PRIOR TO COMMENCING WORK; RE: SECURITY CONSULTANT DRAWINGS AND SPECIFICATIONS. CONFIRM SPECIFIED DIMENSIONS SHOWN COMPLY WITH MANUFACTURER CRASH RATING TESTING. CONTRACTOR SHALL PROVIDE SAMPLES FOR DESIGN TEAM REVIEW AND APPROVAL PRIOR TO INSTALL. PROVIDE DETAILED SHOP DRAWINGS INCLUDING ALL ADJACENT SITE FEATURES FOR REVIEW AND APPROVAL.
HANDRAILS & GUARDRAILS								
HR-01	STAIR HANDRAIL		05 50 10 05 52 13 06 15 37 09 91 13	CUSTOM	1.5" DIA. STEEL HANDRAIL POSTS, WOODEN HANDRAIL CAP ON TUBE STEEL	**WOOD:** KEBONY, **METAL:** BLACKENED STAINLESS STEEL	**WOOD:** CLEAR **METAL:** BLACKENED STAINLESS STEEL	VERIFY ALL LAYOUTS IN FIELD. CONTRACTOR TO SUBMIT SAMPLES AND MOCK-UP FOR LANDSCAPE ARCHITECT REVIEW AND APPROVAL. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL HANDRAIL CONFIGURATIONS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALL.
FR-01	GUARDRAIL		05 50 10 05 52 13 06 15 37 09 91 13	CUSTOM	STEEL POSTS WITH WOODEN TOPRAIL AND WIRE MESH FILL	**WOOD:** KEBONY; METAL: POWDER-COATED STEEL	**WOOD:** CLEAR **METAL:** BLACKENED STAINLESS STEEL	VERIFY ALL LAYOUTS IN FIELD. CONTRACTOR TO SUBMIT SAMPLES AND MOCK-UP FOR LANDSCAPE ARCHITECT REVIEW AND APPROVAL. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL GUARDRAIL CONFIGURATIONS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALL.
FR-02	GUARDRAIL WITH HANDRAIL		05 50 10 05 52 13 06 15 37 09 91 13	CUSTOM	1.5" DIA. STEEL HANDRAIL POSTS, WOODEN HANDRAIL CAP ON TUBE STEEL	**WOOD:** KEBONY; METAL: POWDER-COATED STEEL	**WOOD:** CLEAR **METAL:** BLACKENED STAINLESS STEEL	VERIFY ALL LAYOUTS IN FIELD. CONTRACTOR TO SUBMIT SAMPLES AND MOCK-UP FOR LANDSCAPE ARCHITECT REVIEW AND APPROVAL. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL FENCE AND GATE CONFIGURATIONS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALL.
WATER FEATURE - ALAMO FOUNTAIN								
WF-51	ALAMO FOUNTAIN - CASCADES		RE: WATER FEATURE DRAWINGS; RE: LANDSCAPE FOR STONE LAYOUT AND SIZES	APEX STONE OR APPROVED EQUAL	**FOUNDATION:** RE: STRUCTURAL **WALL:** RE: STRUCTURAL **WEIR:** 3" THICK LIMESTONE CLAD	ROUGHBACK	CINNAMON	CONTRACTOR TO PROVIDE SAMPLES AND DETAILED SHOP DRAWINGS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO STONE FABRICATION AND INSTALL. FIELD MOCKUP OF WATER FEATURE IS REQUIRED. RE: STRUCTURAL ENGINEER AND WATER FEATURE DRAWINGS FOR RETAINING WALL BACKING, PLUMBING, ELECTRICAL, AND WATERPROOFING.
WF-52	ALAMO FOUNTAIN - BASIN		RE: WATER FEATURE DRAWINGS; RE: LANDSCAPE FOR STONE LAYOUT AND SIZES	APEX STONE OR APPROVED EQUAL	**FOUNDATION:** RE: STRUCTURAL **WALL:** RE: STRUCTURAL **WALL:** 3" THICK LIMESTONE CLAD	FINISH VARIES; RE: L3.14	CINNAMON	CONTRACTOR TO PROVIDE SAMPLES AND DETAILED SHOP DRAWINGS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO STONE FABRICATION AND INSTALL. FIELD MOCKUP OF WATER FEATURE IS REQUIRED. RE: STRUCTURAL ENGINEER AND WATER FEATURE DRAWINGS FOR RETAINING WALL BACKING, PLUMBING, ELECTRICAL, AND WATERPROOFING.
WF-53	ALAMO FOUNTAIN - WALLS		RE: WATER FEATURE DRAWINGS; RE: LANDSCAPE FOR STONE LAYOUT AND SIZES	APEX STONE OR APPROVED EQUAL	**FOUNDATION:** RE: STRUCTURAL 3" THICK LIMESTONE CLAD	SEALED BUSH HAMMER	CINNAMON	CONTRACTOR TO PROVIDE SAMPLES AND DETAILED SHOP DRAWINGS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO STONE FABRICATION AND INSTALL. FIELD MOCKUP OF WATER FEATURE IS REQUIRED. RE: STRUCTURAL ENGINEER AND WATER FEATURE DRAWINGS FOR RETAINING WALL BACKING, PLUMBING, ELECTRICAL, AND WATERPROOFING.
WF-54	ALAMO FOUNTAIN - WEIR		RE: WATER FEATURE DRAWINGS; RE: LANDSCAPE FOR STONE LAYOUT AND SIZES	APEX STONE OR APPROVED EQUAL				CONTRACTOR TO PROVIDE SAMPLES AND DETAILED SHOP DRAWINGS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO STONE FABRICATION AND INSTALL. FIELD MOCKUP OF WATER FEATURE IS REQUIRED. RE: STRUCTURAL ENGINEER AND WATER FEATURE DRAWINGS FOR RETAINING WALL BACKING, PLUMBING, ELECTRICAL, AND WATERPROOFING.
WF-55	ALAMO FOUNTAIN - SOUND CHAMBER		RE: WATER FEATURE DRAWINGS					CONTRACTOR TO PROVIDE SAMPLES AND DETAILED SHOP DRAWINGS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO STONE FABRICATION AND INSTALL. FIELD MOCKUP OF WATER FEATURE IS REQUIRED. RE: STRUCTURAL ENGINEER AND WATER FEATURE DRAWINGS FOR RETAINING WALL BACKING, PLUMBING, ELECTRICAL, AND WATERPROOFING.
LANDSCAPE MATERIALS								
LS-01	LANDSCAPE EDGING, TYPE 1		32 93 00	RE: SPECIFICATIONS	RE: SPECIFICATIONS	RE: SPECIFICATIONS	BLACK	CONTRACTOR IS TO VERIFY ALL LAYOUTS IN FIELD WITH DESIGN TEAM PRIOR TO INSTALLATION. CONTRACTOR TO PROVIDE SAMPLES AND PRODUCT DATA FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. INCLUDE AS PART OF PLANTING MOCK-UP.
LS-02	DECORATIVE AGGREGATE		32 15 50	APEX STONE OR APPROVED EQUAL	1/2" CRUSHED LIMESTONE, POLYMER BOUND	ANGULAR, PERMEABLE BINDER	TO MATCH PERGAMINO	PROVIDE SAMPLE FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALL. INCLUDE AS PART OF PLANTING MOCK-UP.
A	LANDSCAPE BOULDER, A		32 93 20	APEX STONE OR APPROVED EQUAL	LIMESTONE, APPROXIMATE DIMENSIONS: 5'L x 3'W x 2'H; APPROXIMATE ALLOWANCE: 30+	NATURAL	TIMBERLAND	PROVIDE SAMPLE AND FIELD PHOTOS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALL. LANDSCAPE ARCHITECT TO FIELD SELECT AND PLACE IN FIELD FOR BOULDERS.
B	LANDSCAPE BOULDER, B		32 93 20	APEX STONE OR APPROVED EQUAL	LIMESTONE, APPROXIMATE DIMENSIONS: 3'L x 2'W x 2'H; APPROXIMATE ALLOWANCE: 35+	NATURAL	TIMBERLAND	PROVIDE SAMPLE AND FIELD PHOTOS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALL. LANDSCAPE ARCHITECT TO FIELD SELECT AND PLACE IN FIELD FOR BOULDERS.
C	LANDSCAPE BOULDER, C		32 93 20	APEX STONE OR APPROVED EQUAL	LIMESTONE, APPROXIMATE DIMENSIONS: 3'L x 3'W x 1'H; APPROXIMATE ALLOWANCE: 35+	NATURAL	TIMBERLAND	PROVIDE SAMPLE AND FIELD PHOTOS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALL. LANDSCAPE ARCHITECT TO FIELD SELECT AND PLACE IN FIELD FOR BOULDERS.
DRAINAGE								
DR-01	AREA DRAIN	RE: CIVIL	33 46 00 RE: CIVIL	RE: CIVIL	STAINLESS STEEL GRATES	BRUSHED	-	RE: CIVIL ENGINEER PLANS FOR ADDITIONAL INFO. INSTALL PER MANUFACTURER RECOMMENDATIONS. CONNECT TO STORM DRAINAGE SYSTEM. PROVIDE SHOP DRAWINGS COORDINATED WITH DECK AND ADJACENT STRUCTURES FOR REVIEW AND APPROVAL PRIOR TO INSTALL.
DR-02A	PLANTING OVERFLOW DRAIN, TYPE 1	RE: CIVIL	RE: CIVIL	URBAN ACCESSORIES JAMESON GRATE	GRAY IRON GRATE	BLACK MAX RUST CONVERTER	-	RE: CIVIL ENGINEER PLANS FOR ADDITIONAL INFO. INSTALL WITH ATRIUM DRAIN COVER FOR DEBRIS CATCH. PROVIDE DETAILED SHOP DRAWINGS COORDINATED WITH ADJACENT PAVING AND SITE FEATURES FOR LANDSCAPE ARCHITECT REVIEW AND APPROVAL. CONTACT RHOMAR INDUSTRIES FOR RUST CONVERTER; 1.800.688.6221.
DR-02B	PLANTING OVERFLOW DRAIN, TYPE 2	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE
DR-03	TRENCH DRAIN	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE
DR-04A	SLOT DRAIN (EXISTING)	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE
DR-04B	SLOT DRAIN (NEW)	03 / L3.02 RE: CIVIL	33 46 00 RE: CIVIL	ACO DRAIN OR APPROVED EQUAL	BRICKSLOT 100 HEEL RESISTANT, CUSTOM 4"H OR 5"H RISER	STAINLESS STEEL	-	RISER HEIGHT CUSTOM SIZED TO MEET TOP OF PAVING ASSEMBLY, VARIES PER PAVING CONDITION. SEE L3.00 PAVING ASSEMBLY DETAILS AND CIVIL ENGINEER PLANS FOR ADDITIONAL INFO. CONTRACTOR SHALL PROVIDE DETAILED SHOP DRAWINGS COORDINATED WITH EXISTING SITE WALLS AND PROPOSED PAVING FOR LANDSCAPE ARCHITECT REVIEW AND APPROVAL.

CONSTRUCTION SCHEDULE CONTINUED

SYMBOL	DESCRIPTION	DETAIL	SPECIFICATION	MANUF./ MODEL	MATERIAL	FINISH	COLOR	COMMENTS
MISCELLANEOUS								
MI-01	WUNDERCOVER AT UTILITIES	06,07,08 / L3.02	12 93 00	WUNDERCOVERS OR APPROVED EQUAL	H-20 LOAD RATED STAINLESS STEEL TRAYS	TO RECEIVE ADJACENT PAVING MATERIAL	-	UTILITY STRUCTURES TO RECEIVE WUNDERCOVER, RE: ELECTRICAL, DATA, AND CIVIL DRAWINGS FOR UTILITY LOCATIONS. CONTRACTOR TO SURVEY EXISTING IN-GROUND UTILITY LOCATIONS AS REQUIRED. WUNDERCOVER TO BE SIZED BY MANUFACTURER TO COVER EACH UTILITY LID. INSTALL PER MANUFACTURER AND CIVIL ENGINEER RECOMMENDATION. PROVIDE SAMPLES, COORDINATED SHOP DRAWINGS, AND MOCK-UP FOR LANDSCAPE ARCHITECT REVIEW AND APPROVAL PRIOR TO INSTALL. CONTACT WUNDERCOVER; 508-829-2112.
MI-02A	TREE PAVER GRATE - TYPE 1	17 / L3.00	32 94 43	URBAN ACCESSORIES OR IRONSMITH	8' SQUARE, HOT DIP GALVANIZED STEEL	TO RECEIVE ADJACENT PAVING MATERIAL	-	CONTRACTOR TO PROVIDE SAMPLES AND DETAILED SHOP DRAWINGS COORDINATED WITH PAVING, PLANTING AND UTILITIES FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALL. COORDINATE UPLIGHT LOCATIONS IN SHOP DRAWINGS AND PRIOR TO FABRICATION. INSTALL PER MANUFACTURER RECOMMENDATIONS. RE: CIVIL ENGINEER FOR ADJACENT CONCRETE SUB-SLAB CONDITIONS.
MI-02 - MI-10 NOT IN USE								
MI-12	CISTERN	RE: CIVIL						
MI-51	SMALL CISTERN	RE: WATER FEATURE						
MI-52	OVERFLOW PIPE	RE: WATER FEATURE						
SITE FURNISHINGS								
SF-01	CUSTOM FIXED WOOD BENCH		09 91 13 12 93 00	CUSTOM	WOODEN BOARDS ON ON METAL SUPPORTS	**WOOD:** THERMORY BENCHMARK ASH OR ALT. KEBONY **METAL:** HIGH PERFORMANCE COATED STEEL	**WOOD:** NO OIL OR SEALER ALT KEBONY: CLEAR **METAL:** RAL #8019	RE: ELECTRICAL PLANS FOR ADDITIONAL INFO. REFERENCE DETAILS FOR MEMBER SIZING. CONTRACTOR TO SUBMIT SAMPLES AND COLOR CHIPS FOR LANDSCAPE ARCHITECT REVIEW AND APPROVAL. CONTRACTOR TO PROVIDE DETAILED AND COORDINATED SHOP DRAWINGS INCLUDING LAYOUT AND ATTACHMENTS FOR REVIEW BY LANDSCAPE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO COMMENCING WORK. REFER TO STRUCTURAL ENGINEER DETAILS FOR FOOTING INFORMATION.
SF-02	NOT USED THIS PACKAGE	-	-	-	-	-	-	-
SF-03	WASTE RECEPTACLE		12 93 00	SITE PIECES MONOLINE LITTER BIN; ML-I GLITTER	ALUMINUM	POWDER COATED, LITTER SYMBOL	RAL #8019	INSTALL PER MANUFACTURER RECOMMENDATIONS FOR SURFACE MOUNT CONDITION. PROVIDE SAMPLES AND SHOP DRAWINGS FOR LANDSCAPE ARCHITECT REVIEW AND APPROVAL. CONTACT SITE PIECES; 1.800.484.0797.
SF-04	RECYCLING RECEPTALE		12 93 00	SITE PIECES MONOLINE LITTER BIN; ML-I GLITTER	ALUMINUM	POWDER COATED, RECYCLE SYMBOL	RAL #8019	INSTALL PER MANUFACTURER RECOMMENDATIONS FOR SURFACE MOUNT CONDITION. PROVIDE SAMPLES AND SHOP DRAWINGS FOR LANDSCAPE ARCHITECT REVIEW AND APPROVAL. CONTACT SITE PIECES; 1.800.484.0797.
SITE LIGHTING								
LI-01	POLE LIGHTING FIXTURES	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE
LI-02	IN-GRADE LIGHTING FIXTURES	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE	NOT IN USE
LI-03	STAKE MOUNTED LIGHTING FIXTURES		09 91 13 RE: ELECTRICAL AND LIGHTING	RE: ELECTRICAL, LIGHTING PLANS	RE: ELECTRICAL, LIGHTING PLANS	RE: ELECTRICAL, LIGHTING PLANS	RAL #8019	REFERENCE SITE LIGHTING PACKAGE FOR PROPOSED LAYOUT AND QUANTITY OF FIXTURES. REFERENCE ELECTRICAL DRAWINGS FOR LIGHTING POWER AND CONTROL. CONTRACTOR TO PROVIDE SAMPLES, SHOP DRAWINGS, AND IN-PLACE MOCK-UP FOR REVIEW AND APPROVAL. CONFIRM FINAL LOCATION OF ALL POLES AND CUSTOM MOUNTED FIXTURES PRIOR TO FABRICATION. INCLUDE ALLOWANCE FOR VINYL WRAPPING ANY MOUNTED FIXTURES WHERE MANUFACTURER IS UNABLE TO MATCH POLE COLOR, TYPICAL.
LI-04	PAVER GRATE LIGHTING		09 91 13 RE: ELECTRICAL AND LIGHTING	RE: ELECTRICAL, LIGHTING PLANS	RE: ELECTRICAL, LIGHTING PLANS	RE: ELECTRICAL, LIGHTING PLANS	-	
LI-05	RAIL LIGHTING (TYPE 1)		09 91 13 RE: ELECTRICAL AND LIGHTING	RE: ELECTRICAL, LIGHTING PLANS	RE: ELECTRICAL, LIGHTING PLANS	RE: ELECTRICAL, LIGHTING PLANS	-	
LI-06	RAIL LIGHTING (TYPE 2)		09 91 13 RE: ELECTRICAL AND LIGHTING	RE: ELECTRICAL, LIGHTING PLANS	RE: ELECTRICAL, LIGHTING PLANS	RE: ELECTRICAL, LIGHTING PLANS	-	
LI-07	WATER FEATURE LIGHTING (TYPE 2)							
LI-08	WATER FEATURE LIGHT (TYPE 2)							
LI-09	MONUMENTAL SIGANGE LIGHTING							
EXISTING ELEMENTS TO REMAIN								
EX-01	EXISTING UTILITY (TO REMAIN)	RE: CIVIL	-	RE: CIVIL DEMOLITION PLANS	CLEAN AND TOUCH UP PAINT	CLEAN AND TOUCH UP PAINT	SELECT PAINT COLOR W/ OWNER TO MATCH EXIST.	CONTRACTOR IS TO VERIFY ALL LIMITS AND LOCATIONS OF EXISTING UTILITIES IN FIELD WITH PROJECT ARBORIST, DESIGN TEAM AND OWNER'S REPRESENTATIVE PRIOR TO DEMOLITION AND OR CONSTRUCTION ACTIVITIES. CONTRACTOR IS TO PROTECT IN PLACE ALL EXISTING UTILITIES UNLESS NOTED OTHERWISE. CONTRACTOR TO REFERENCE CIVIL ENGINEER'S DEMOLITION & GRADING PLANS FOR ADDITIONAL INFORMATION.
EX-02	EXISTING TREE (TO REMAIN)	01.02 / L0.10	01 56 39	RE: TREE PROTECTION PLANS FOR ADDITIONAL INFORMATION	RE: TREE PROTECTION PLANS FOR ADDITIONAL INFORMATION	RE: TREE PROTECTION PLANS FOR ADDITIONAL INFORMATION	RE: TREE PROTECTION PLANS FOR ADDITIONAL INFORMATION	CONTRACTOR IS TO VERIFY ALL LOCATIONS OF EXISTING TREES IN FIELD WITH PROJECT ARBORIST AND DESIGN TEAM PRIOR TO DEMOLITION AND OR CONSTRUCTION ACTIVITIES. CONTRACTOR IS TO COORDINATE TREE PROTECTION, ROOT PRUNING AND GENERAL SOIL/ ROOT PREPARATION PRIOR TO COMMENCEMENT OF DEMOLITION AND OR CONSTRUCTION ACTIVITIES. CONTRACTOR IS TO REFERENCE TREE PROTECTION PLANS AS WELL AS CIVIL ENGINEER'S DEMOLITION & GRADING PLANS FOR ADDITIONAL INFORMATION.
EX-03	EXISTING POLE LIGHT (TO REMAIN)	RE: CIVIL RE: ELECTRICAL	-	-	-	-	-	CONTRACTOR SHALL REMOVE EXISTING PLANTERS CLAMPED TO LIGHT POLES, TYPICAL. FIELD VERIFY EXPOSED POLE CONDITIONS WITH DESIGN TEAM AND OWNER AFTER REMOVAL OF PLANTING CLAMPS.
EX-04	EXISTING CONCRETE PAVING (TO REMAIN)	RE: CIVIL	-	-	-	-	-	CONTRACTOR SHALL PROTECT IN PLACE EXISTING CONCRETE TO REMAIN. VERIFY IN FIELD LIMITS OF EXISTING CONCRETE WITH CIVIL ENGINEER AND LANDSCAPE ARCHITECT. REFERENCE CIVIL ENGINEER'S DEMOLITION PLANS FOR ADDITIONAL INFORMATION.
EX-05	EXISTING CURB (TO REMAIN)	RE: CIVIL	-	-	-	-	-	CONTRACTOR SHALL PROTECT IN PLACE EXISTING CONCRETE CURB TO REMAIN. VERIFY IN FIELD LIMITS OF EXISTING CONCRETE CURB WITH

CONSTRUCTION NOTES:

1. CONTRACTOR RESPONSIBLE FOR VERIFYING QUANTITIES FOR ALL MATERIALS, FIXTURES, FURNISHINGS, ETC. QUANTITIES ARE PROVIDED HERE FOR REFERENCE ONLY.
2. CONTRACTOR TO PROVIDE PHYSICAL SAMPLES OF EACH FINISH TYPE, AND PROVIDE SHOP DRAWINGS OF ALL FABRICATED CONDITIONS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
3. CONTRACTOR TO VERIFY THE LAYOUT OF ALL MATERIALS IN THE FIELD FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. INCLUDING PAVING, BOLLARDS, TREE GRATES, LIGHT POLE BASES, FOUNTAINS, STEPS, SEATS AND WALLS.
4. CONTRACTOR TO PROTECT ALL HARDSCAPE IN PLACE ONCE CONSTRUCTED, AND TO REPLACE ANY DAMAGED OR CRACKED STONE DURING THE COURSE OF CONSTRUCTION.
5. CONTRACTOR RESPONSIBLE FOR COORDINATION OF ALL MEP AND IRRIGATION SLEEVING BENEATH AND THROUGH HARDSCAPE.
6. MAINTENANCE: ALL REQUIRED LANDSCAPE AREAS SHALL BE MAINTAINED BY OWNER. THE LANDSCAPE AREAS SHALL BE MAINTAINED FREE OF DEBRIS AND LITTER AND ALL PLANT MATERIAL SHALL BE MAINTAINED IN A HEALTHY GROWING CONDITION. DISEASED OR DEAD PLANT MATERIAL SHALL BE SATISFACTORY TREATED OR REPLACED PER THE CONDITIONS OF THE PERMIT.

LAYOUT NOTES:

1. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS, LAYOUT COORDINATES, AND WORK FROM PREVIOUS AND ONGOING CONTRACTS IN THE FIELD. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT FOR DIRECTION IMMEDIATELY BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
2. CONTRACTOR SHALL REQUEST A FIELD REVIEW BY THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE OF THE LAYOUT OF ALL ELEMENTS, AS SHOWN. CONTRACTOR SHALL STAKE ALL LOCATIONS AND OBTAIN APPROVAL FROM THE LANDSCAPE ARCHITECT PRIOR TO THE COMMENCEMENT OF WORK.
3. CONTRACTOR SHALL REQUEST A FIELD REVIEW BY THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE OF ALL SITE LIGHTING FIXTURES, JUNCTION BOXES, TRANSFORMERS, AND PANELS. CONTRACTOR SHALL STAKE ALL LOCATIONS AND OBTAIN APPROVAL FROM THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
4. CONTRACTOR SHALL REQUEST A FIELD REVIEW BY THE LANDSCAPE ARCHITECT OF ALL FORMWORK OR A TYPICAL PORTION OF FORMWORK REPRESENTING SIMILAR WORK. CONTRACTOR SHALL OBTAIN APPROVAL FROM THE LANDSCAPE ARCHITECT OF ALL FORMWORK FOR FLATWORK AND WALL WORK PRIOR TO CONCRETE POURING.
5. CONTRACTOR SHALL COORDINATE ALL LAYOUT WORK POINTS, MONUMENTS, GRID LINES, AND CONTROLS, AMONG ALL TRADES; SPECIFICALLY, BUT NOT LIMITED TO, SITE FORMATION, FLATWORK, AND WALL WORK.
6. CONTRACTOR SHALL REFER TO PAVING OR MATERIALS PLAN(S) FOR ALL FLATWORK AND WALL WORK JOINT LOCATIONS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS VERIFYING JOINT LAYOUT PRIOR TO INSTALLATION.
7. CONTRACTOR SHALL ERECT AND INSTALL ALL WORK LEVEL, PLUMB, SQUARE, TRUE, STRAIGHT, AND IN PROPER ALIGNMENT.
8. CONTRACTOR SHALL NOT SCALE DRAWINGS; CONTRACTOR SHALL USE DIMENSIONS SHOWN.
9. NO DIMENSIONS ARE ADJUSTABLE WITHOUT THE REVIEW AND APPROVAL OF LANDSCAPE ARCHITECT UNLESS NOTED [+/-] FV (FIELD VERIFY).
10. SIMILAR (SIM) MEANS COMPARABLE CHARACTERISTICS FOR THE CONDITIONS NOTED. CONTRACTOR SHALL VERIFY DIMENSIONS AND ORIENTATION ON THE PLANS AND ELEVATIONS.
11. DIMENSIONS NOTED CLEAR [CLR] MUST BE STRICTLY MAINTAINED ALLOWING FOR THICKNESS OF ALL FINISHES. CONTRACTOR SHALL FIELD VERIFY [FV] PRIOR TO CONSTRUCTION.
12. TYPICAL [TYP] MEANS IDENTICAL FOR ALL CONDITIONS UNLESS OTHERWISE NOTED.
13. ALIGN MEANS ACCURATELY LOCATE FINISH FACES IN THE SAME PLANE.
14. EXISTING [EX.] MEANS THAT INDICATED FEATURE EXISTS AT TIME OF INSTALLATION AND SHALL BE PROTECTED IN PLACE.
15. ALL ANGLES ARE ASSUMED TO BE 90 DEGREES UNLESS OTHERWISE NOTED.
16. ALL CURVES FOR PAVING, BANDS, PATHS, EDGING, AND HEADER BOARDS SHALL BE ALIGNED IN A SMOOTH AND CONTINUOUS FASHION AND SHALL MEET ADJACENT SURFACES AT 90 DEGREES, UNLESS OTHERWISE INDICATED. ALL WALK RADII AND CURVES SHALL BE SMOOTH AND CONTINUOUS WITHOUT ABRUPT CHANGES OR BENDS UNLESS OTHERWISE SHOWN.

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Seal / Signature

△ Date	Description
05/19/2023	50% SCHEMATIC DESIGN
08/10/2023	100% SCHEMATIC DESIGN
09/07/2023	DEMOLITION PACKAGE FOR ARCHAEOLOGICAL PERMIT - WESTERN SCOPE
11/02/2023	100% DESIGN DEVELOPMENT
01/05/2024	AREA 5 DEMOLITION MOBILIZATION
01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
CONSTRUCTION NOTES

Scale

L1.00B

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Plotted: 6/4/2024 9:59:45 AM
By: Raffondo Wolker
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Sheet Set: AL-AMO-5
Layout: L1.00B
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Time: 06:13:22pm
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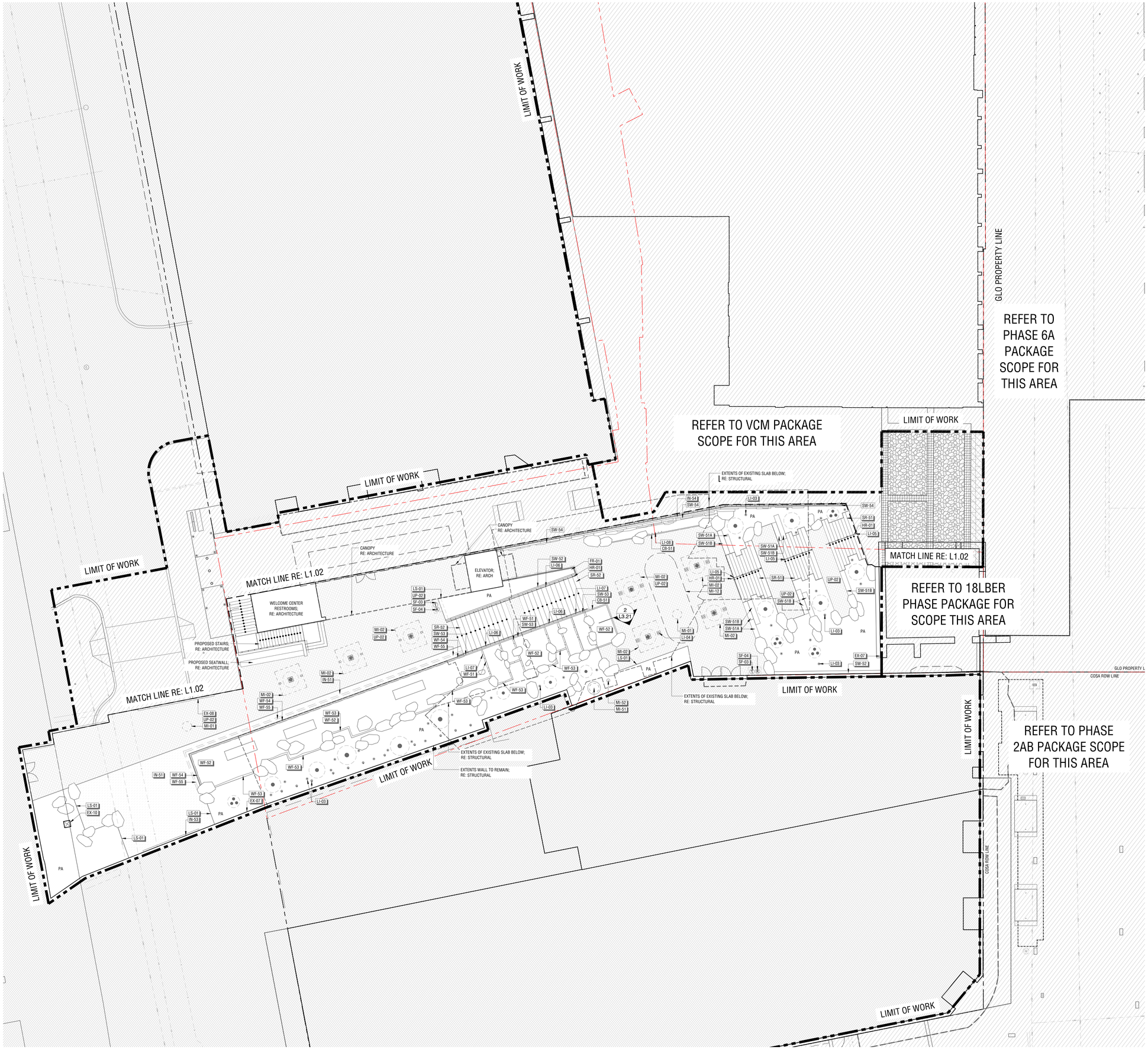

CONSTRUCTION LEGEND

REFER TO CONSTRUCTION SCHEDULE ON L1.00

SYMBOL	DESCRIPTION	DETAIL
CONCRETE UNIT PAVING		
UP-01	CONCRETE UNIT PAVING, TYPE 1	01, 03, 04, 05, 06/ L3.01
STONE PAVING		
SP-01	STONE PAVER, TYPE 1 GRANITE PAVER	02, 05 / L3.01
SP-02A	STONE PAVER, TYPE 2 LIMESTONE PAVER	02, 05 / L3.01
SP-03A	STONE PAVER, TYPE 2 LIMESTONE PAVER OVER STRUCTURE	02, 05 / L3.01
SP-51	STONE PAVER, TYPE 5 (BASE BID) SEE UP-01 AS DEDUCT ALT	02, 05 / L3.01
SITE WALLS		
SW-01A	STONE SEAT WALL (8' LENGTH)	05, 06/ L3.02
SW-51	INTEGRATED SEAT WALL	02, 03, 04/ L3.02
SW-52	RETAINING WALLS WITH STONE CLADDING, TYPE 1	01 / L3.02
STAIRS		
SR-01	STONE BLOCK STAIRS (TYPE 1)	01, 03, 11, 12/ L3.03
BOLLARDS		
BO-02	FIXED SECURITY BOLLARD, TYPE 1 STANDARD MOUNT	01 / L3.05
HANDRAILS & GUARDRAILS		
HR-03	STAIR HANDRAIL	01,03,13,14/ L3.03
FR-01	GUARDRAIL	03, 04 / L3.04
FR-02	SECURITY FENCE	01, 02 / L3.04
FR-03	GUARDRAIL WITH HANDRAIL	09 / L3.04
WATER FEATURE		
WF-03	RIVERINE FOUNTAIN	L3.10 & L3.11
WF-53	SPRING WALL WATER FEATURE	L3.12, L3.13
LANDSCAPE MATERIALS		
LS-01	LANDSCAPE EDGING, TYPE 1	06/ L3.01
LS-51	SPECIMEN BOULDERS	7 / L3.02
LS-52	LANDSCAPE BOULDERS	7 / L3.02
DRAINAGE		
DR-02A	PLANTING OVERFLOW DRAIN, TYPE 1	RE: CIVIL
DR-04B	SLOT DRAIN (NEW)	12 / L3.01, RE: CIVIL
SITE FURNISHINGS		
SF-03	WASTE RECEPTACLE	02/ L3.05
SF-04	RECYCLING RECEPTALE	02/ L3.05
MISCELLANEOUS		
MI-01	WUNDERCOVER AT UTILITIES	09, 10, 11 / L3.01
	TREE PAVER GRATE	07, 08 / L3.01
SITE LIGHTING		
LI-01	NOT IN USE	
LI-02	NOT IN USE	RE: LIGHTING
LI-03	STAKE MOUNTED LIGHTING FIXTURES	RE: LIGHTING
LI-04	PAVER GRATE LIGHTING	RE: LIGHTING
LI-05	RAIL LIGHTING (TYPE 1)	RE: LIGHTING
LI-06	RAIL LIGHTING (TYPE 2)	RE: LIGHTING
LI-07	WATER FEATURE LIGHTING (TYPE 2)	RE: LIGHTING
LI-08	WATER FEATURE LIGHT (TYPE 2)	RE: LIGHTING
LI-09	MONUMENTAL SIGANGE LIGHTING	RE: LIGHTING
PLANTING		
	TREE ROOTBALL LOCATION	
PA	PLANTING AREA	

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Seal / Signature

JAMES D. RUNNELS 1483 STATE OF TEXAS LANDSCAPE ARCHITECT
01/05/2024

Date	Description
05/19/2023	50% SCHEMATIC DESIGN
08/10/2023	100% SCHEMATIC DESIGN
09/07/2023	DEMOLITION PACKAGE FOR ARCHAEOLOGICAL PERMIT - WESTERN SCOPE
11/02/2023	100% DESIGN DEVELOPMENT
01/05/2024	AREA 5 DEMOLITION MOBILIZATION
01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
CONSTRUCTION PLAN - LOWER LEVEL

Scale
1" = 10'-0"

L1.01

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Layout: L1.01
Plotted by: Antonio
6/6/2024 5:59:45 AM

LIMIT OF WORK

GLO PROPERTY LINE

REFER TO PHASE 6A PACKAGE SCOPE FOR THIS AREA

REFER TO VCM PACKAGE SCOPE FOR THIS AREA

LIMIT OF WORK

LIMIT OF WORK

REFER TO 18LBER PHASE PACKAGE FOR SCOPE THIS AREA

LIMIT OF WORK

MATCH LINE RE: L1.01

ELEVATOR, RE: ARCH

WELCOME CENTER RESTROOMS; RE: ARCHITECTURE

EXISTING ROAD

SIDEWALK IMPROVEMENTS, RE: CIVIL

MATCH LINE RE: L1.01

LIMIT OF WORK

LIMIT OF WORK

STAIRS, RE: ARCHITECTURE FUTURE PHASE

GLO PROPERTY L

COSA ROW LINE

LIMIT OF WORK

REFER TO PHASE 2AB PACKAGE SCOPE FOR THIS AREA

COSA ROW LINE

LIMIT OF WORK

LIMIT OF WORK

EX-04 IN-52 LI-09 LI-03 BO-02 LI-03 EX-05 EX-03 EX-04 LI-06 UP-01 FR-01 LI-06 SF-01 UP-01 FR-01 LI-06 SF-01 UP-01 FR-01 LI-06 SP-01 SP-02A SP-03A UP-51 SP-02A

QM QM QM QM QM UC UC UC UC UC UC UC UC AN AN AN QS QS QS SB SB CT

0 5 10 20
SCALE: 1"=10'-0"

CONSTRUCTION LEGEND

REFER TO CONSTRUCTION SCHEDULE ON L1.00

SYMBOL	DESCRIPTION	DETAIL
CONCRETE UNIT PAVING		
SP-01	CONCRETE UNIT PAVING, TYPE 1	01, 03, 04, 05, 06/ L3.01
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SP-01	STONE PAVER, TYPE 1 GRANITE PAVER	02, 05 / L3.01
SP-02A	STONE PAVER, TYPE 2 LIMESTONE PAVER	02, 05 / L3.01
SP-03A	STONE PAVER, TYPE 2 LIMESTONE PAVER OVER STRUCTURE	02, 05 / L3.01
SP-51	STONE PAVER, TYPE 5 (BASE BID) SEE UP-01 AS DEDUCT ALT	02, 05 / L3.01
SITE WALLS		
SW-01A	STONE SEAT WALL (8' LENGTH)	05, 06/ L3.02
SW-51	INTEGRATED SEAT WALL	02, 03, 04/ L3.02
SW-52	RETAINING WALLS WITH STONE CLADDING, TYPE 1	01 / L3.02
STAIRS		
SR-01	STONE BLOCK STAIRS (TYPE 1)	01, 03, 11, 12/ L3.03
BOLLARDS		
BO-02	FIXED SECURITY BOLLARD, TYPE 1 STANDARD MOUNT	01 / L3.05
HANDRAILS & GUARDRAILS		
HR-01	STAIR HANDRAIL	01,03,13,14/ L3.03
FR-01	GUARDRAIL	03, 04 / L3.04
FR-02	SECURITY FENCE	01, 02 / L3.04
FR-03	GUARDRAIL WITH HANDRAIL	09 / L3.04
WATER FEATURE		
WF-51	RIVERINE FOUNTAIN	L3.10 & L3.11
WF-52	SPRING WALL WATER FEATURE	L3.12, L3.13
LANDSCAPE MATERIALS		
LE-01	LANDSCAPE EDGING, TYPE 1	06/ L3.01
LS-51	SPECIMEN BOULDERS	7 / L3.02
LS-52	LANDSCAPE BOULDERS	7 / L3.02
DRAINAGE		
DR-02A	PLANTING OVERFLOW DRAIN, TYPE 1	RE: CIVIL
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MISCELLANEOUS		
MI-01	WUNDERCOVER AT UTILITIES	09, 10, 11 / L3.01
	TREE PAVER GRATE	07, 08 / L3.01
SITE LIGHTING		
LI-01	NOT IN USE	
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PLANTING		
	TREE ROOTBALL LOCATION	
PA	PLANTING AREA	

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JAMES D. RUNNELS 1483 STATE OF TEXAS REGISTERED LANDSCAPE ARCHITECT
01/05/2024

Date	Description
05/19/2023	50% SCHEMATIC DESIGN
08/10/2023	100% SCHEMATIC DESIGN
09/07/2023	DEMOLITION PACKAGE FOR ARCHAEOLOGICAL PERMIT - WESTERN SCOPE
11/02/2023	100% DESIGN DEVELOPMENT
01/05/2024	AREA 5 DEMOLITION MOBILIZATION
01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
CONSTRUCTION PLAN
- UPPER LEVEL

Scale
1" = 10'-0"

L1.02

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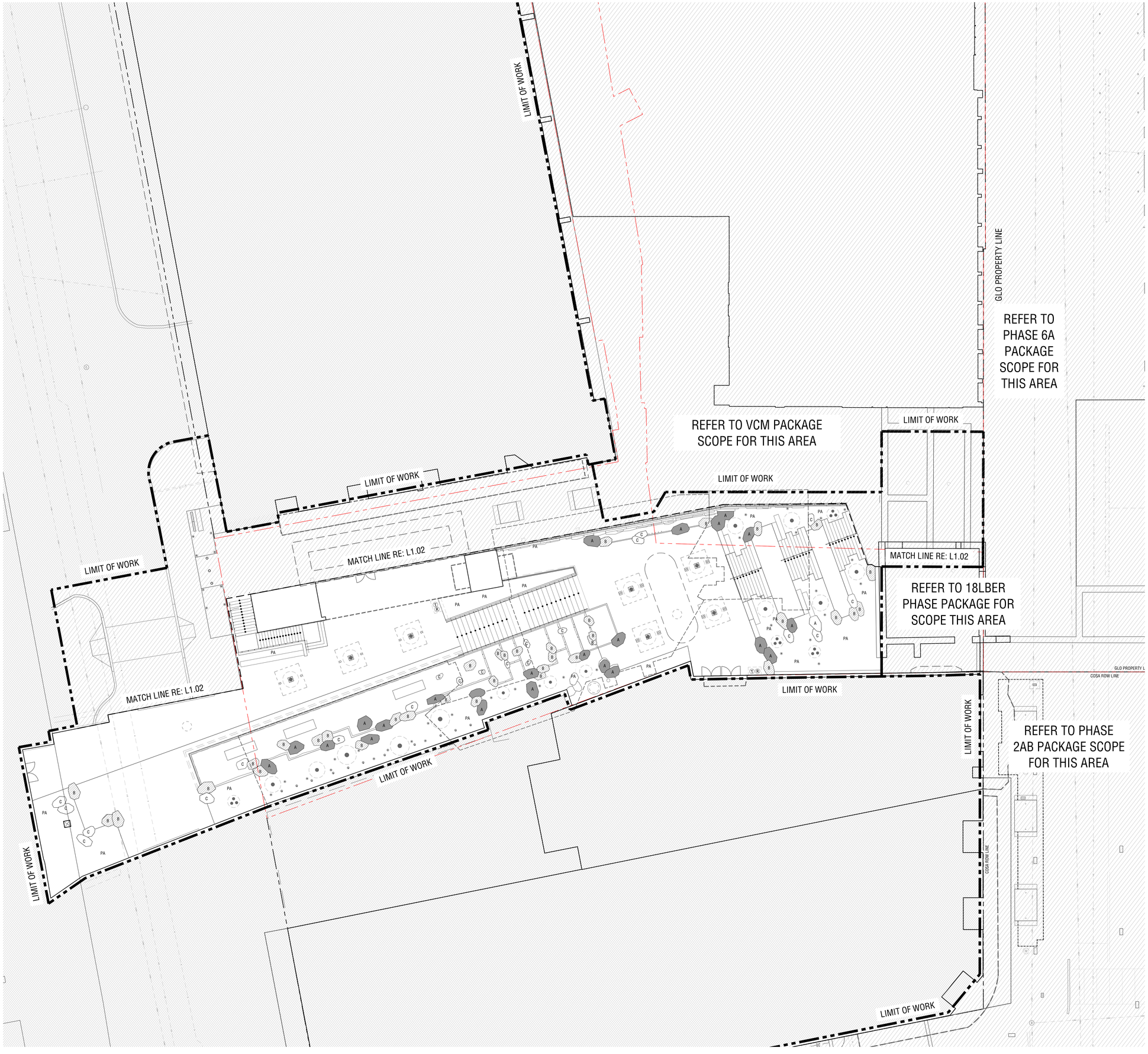

BOULDER LEGEND

SYMBOL	DESCRIPTION	DETAIL
LANDSCAPE BOULDERS		
A	LANDSCAPE BOULDER, A (LARGE)	
B	LANDSCAPE BOULDER, B (MEDIUM)	
C	LANDSCAPE BOULDER, C (SMALL)	

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01/05/2024

Date	Description
05/19/2023	50% SCHEMATIC DESIGN
08/10/2023	100% SCHEMATIC DESIGN
09/07/2023	DEMOLITION PACKAGE FOR ARCHAEOLOGICAL PERMIT - WESTERN SCOPE
11/02/2023	100% DESIGN DEVELOPMENT
01/05/2024	AREA 5 DEMOLITION MOBILIZATION
01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
BOULDER PLAN
- LOWER LEVEL

Scale
1" = 10'-0"

L1.01C

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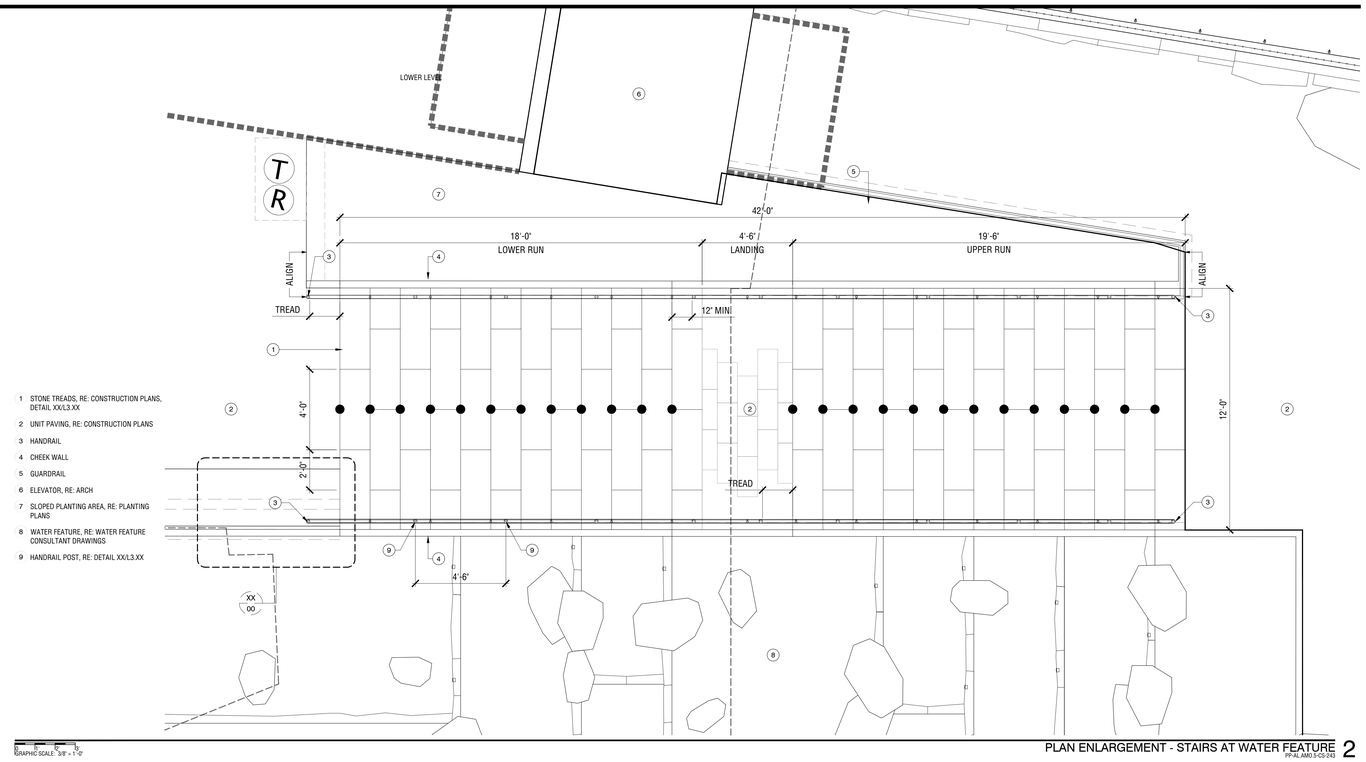
Plotted by: Alfonso Wolker

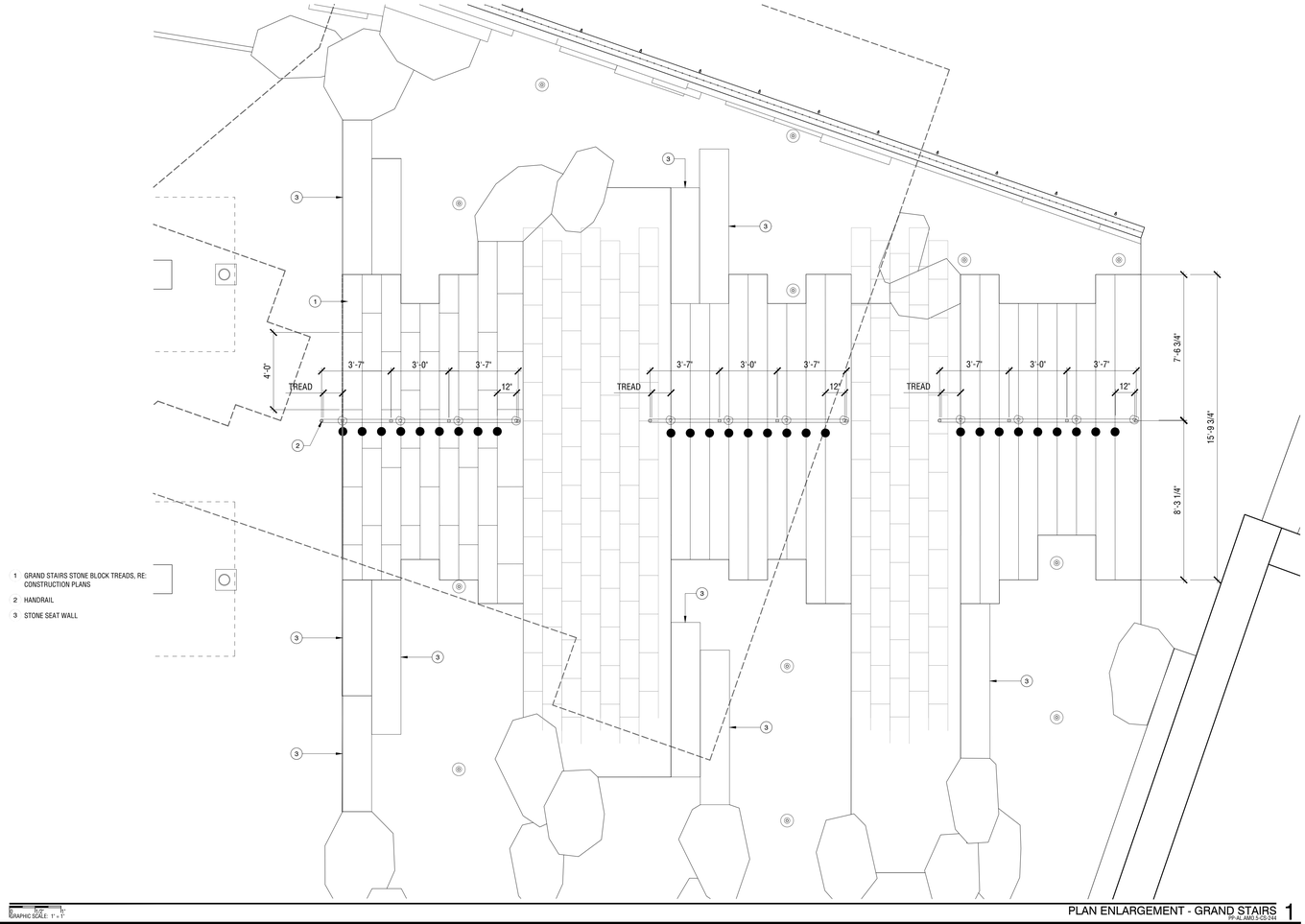


1 STONE TREADS, RE: CONSTRUCTION PLANS, DETAIL XX/L3.XX
2 UNIT PAVING, RE: CONSTRUCTION PLANS
3 HANDRAIL
4 CHEEK WALL
5 GUARDRAIL
6 ELEVATOR, RE: ARCH
7 SLOPED PLANTING AREA, RE: PLANTING PLANS
8 WATER FEATURE, RE: WATER FEATURE CONSULTANT DRAWINGS
9 HANDRAIL POST, RE: DETAIL XX/L3.XX

GRAPHIC SCALE: 3/8" = 1'-0"

PLAN ENLARGEMENT - STAIRS AT WATER FEATURE 2

RP-AL-AMO.1-03.043



1 GRAND STAIRS STONE BLOCK TREADS, RE: CONSTRUCTION PLANS
2 HANDRAIL
3 STONE SEAT WALL

GRAPHIC SCALE: 1" = 1'

PLAN ENLARGEMENT - GRAND STAIRS 1

RP-AL-AMO.1-03.044

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REGISTERED LANDSCAPE ARCHITECT JAMES D. BURNETT 1482 STATE OF TEXAS

01/05/2024

Date	Description
05/19/2023	50% SCHEMATIC DESIGN
08/10/2023	100% SCHEMATIC DESIGN
09/07/2023	DEMOLITION PACKAGE FOR ARCHAEOLOGICAL PERMIT - WESTERN SCOPE
11/02/2023	100% DESIGN DEVELOPMENT
01/05/2024	AREA 5 DEMOLITION MOBILIZATION
01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name

ALAMO SITE: AREA 5 - LOWER PASEO

Project Number

122.0076.500

Description

SITE SECTIONS

Scale

L2.01

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Seal / Signature

REGISTERED LANDSCAPE ARCHITECT
JAMES D. BURNETT
1402
STATE OF TEXAS

01/05/2024

△ Date	Description
05/19/2023	50% SCHEMATIC DESIGN
08/10/2023	100% SCHEMATIC DESIGN
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01/05/2024	AREA 5 DEMOLITION MOBILIZATION
01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name

ALAMO SITE: AREA 5 - LOWER PASEO

Project Number

122.0076.500

Description

CONSTRUCTION DETAILS

Scale

L3.00

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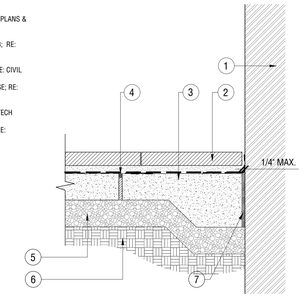
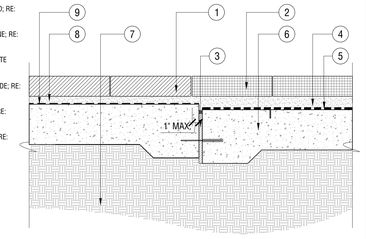
1. ADJACENT ARCHITECTURE OR OTHER VERTICAL SURFACE; RE: CONSTRUCTION PLANS
2. UNIT PAVING; RE: CONSTRUCTION PLANS & SCHEDULE
3. REINFORCED CONCRETE SUB-SLAB; RE: CIVIL ENGINEER
4. EXPANSION JOINT IN SUB-SLAB; RE: CIVIL
5. COMPACTED AGGREGATE SUB-BASE; RE: CIVIL
6. COMPACTED SUBGRADE, RE: GEOTECH
7. EXPANSION JOINT AT SUB-SLAB; RE: SPECIFICATIONS

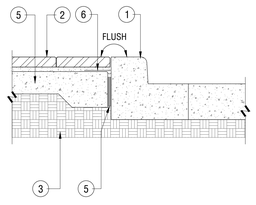


SCALE: 1 1/2" = 1'-0" — SECTION - UNIT PAVER AT VERTICAL SURFACE — PP-AL AMO 6-CS-01 — 04

1. CONCRETE UNIT PAVING; RE: CONSTRUCTION SCHEDULE
2. STONE PAVER; RE: CONSTRUCTION SCHEDULE
3. DOWELED EXPANSION JOINT; RE: CIVIL
4. MORTAR SETTING BED; RE: SPECS
5. CLEAVAGE MEMBRAINE; RE: SPECS
6. REINFORCED CONCRETE SUB-SLAB; RE: CIVIL
7. COMPACTED SUBGRADE; RE: GEOTECH REPORT
8. SAND SETTING BED; RE: SPECS
9. GEOTEXTILE FABRIC; RE: SPECS

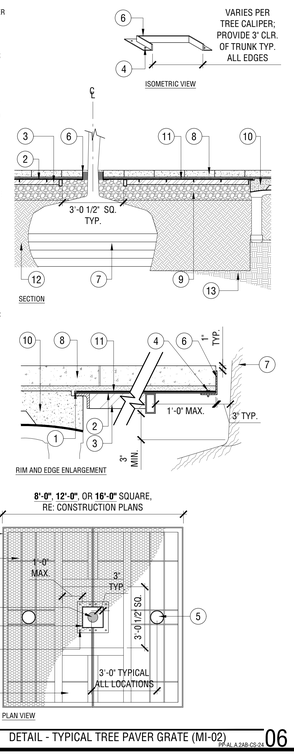


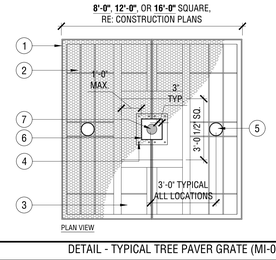
1. VEHICULAR PAVEMENT OF CURB, RE: CIVIL
2. CONCRETE UNIT PAVERS, RE: CONSTRUCTION PLAN
3. COMPACTED SUBGRADE, RE: GEOTECH
4. PLANTING EDGING, RE: SPECIFICATIONS
5. EXPANSION JOINT
6. GEOTEXTILE FABRIC



GRAPHIC SCALE: 1" = 1'-0" — SECTION - UNIT PAVERS AT CONCRETE PAVING — PP-AL AMO-5-CS-201 — 07

1. 1/2" SQ. BAR STOCK TRIM; RE: MANUFACTURER
2. EXPANDED STEEL GRATING; RE: MANUFACTURER
3. PAVER GRATE WELDED STEEL FRAME BELOW; RE: MANUFACTURER
4. FASTENERS; RE: MANUFACTURER
5. OPENING TO RECEIVE UPLIGHTING FIXTURES; RE: SPECIFICATIONS. COORDINATE UPLIGHT LOCATIONS WITH LIGHTING PLANS PRIOR TO FABRICATION
6. REMOVABLE COLLAR AT TREE OPENING; RE: MANUFACTURER. OPENING SIZE VARIES PER TREE CALIPER; PROVIDE 3" CLEAR OF TRUNK TYPICAL ALL EDGES
7. TREE ROOTBALL AND TRUNK; RE: PLANTING PLANS. REFER TO L6.00 PLANTING SCHEDULE FOR TRUNK CALIPERS EACH TREE. PROVIDE SHOP DRAWINGS CONFIRMING INSTALLED DEPTH WITH PAVER GRATE
8. ADJACENT PAVING ASSEMBLY; RE: CONSTRUCTION PLANS
9. LIGHTWEIGHT EXPANDED GLASS GRAVEL
10. ADJACENT PAVING SUB-SLAB; RE: CIVIL ENGINEER. REFER TO MANUFACTURER FOR SLAB ANCHORING AND ATTACHMENTS
11. STEEL PLATE FITTED ON TOP OF GRATING; RE: MANUFACTURER
12. PLANTING SOIL; RE: SOILS PLANS
13. EXISTING SUB-GRADE; RE: GEOTECHNICAL REPORT

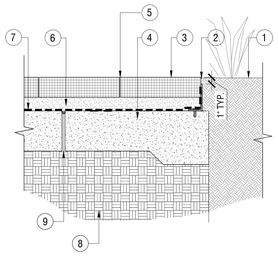




SCALE: 3/8" = 1'-0" — DETAIL - TYPICAL TREE PAVER GRATE (MI-02) — PP-AL A 2AB-CS-24 — 06

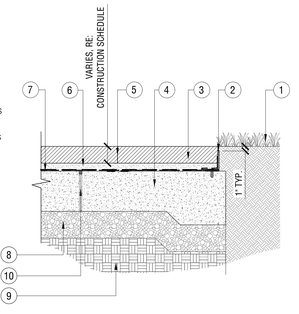
SCALE: 1 1/2" = 1'-0" — SECTION - SAND SET CONCRETE PAVING TO STONE PAVING — PP-AL A 2AB-CS-251 — 03

1. ADJACENT CONDITION VARIES; RE: PLANS
2. METAL ANGLE EDGE RESTRAINT; RE: SPECS
3. STONE PAVER; RE: CONSTRUCTION SCHEDULE
4. REINFORCED CONCRETE SUB-SLAB; RE: CIVIL
5. 3/16" CUSTOM COLOR GROUT JOINT; RE: SPECS
6. 2" THICK REINFORCED MORTAR SETTING BED; RE: SPECS
7. CLEAVAGE MEMBRANE; RE: SPECS
8. COMPACTED SUBGRADE, RE: GEOTECH
9. EXPANSION JOINT IN SUB-SLAB; RE: CIVIL



SCALE: 1 1/2" = 1'-0" — SECTION - STONE PAVING AT PLANTING EDGE — PP-AL A 2AB-CS-250 — 02

1. ADJACENT CONDITION VARIES; RE: PLANS
2. METAL ANGLE EDGE RESTRAINT; RE: SPECIFICATIONS
3. CONCRETE UNIT PAVING; RE: CONSTRUCTION SCHEDULE FOR SIZE, COLOR AND FINISH
4. REINFORCED CONCRETE SUB-SLAB; RE: CIVIL ENGINEER
5. HAND TIGHT, 1/16" POLYMERIC SAND JOINTS; RE: SPECIFICATIONS
6. 1" SAND SETTING BED; RE: SPECIFICATIONS
7. GEOTEXTILE FABRIC, EXTEND 6" BEYOND ALL SIDES OF JOINTS; RE: SPECIFICATIONS
8. COMPACTED AGGREGATE SUB-BASE; RE: CIVIL ENGINEER
9. COMPACTED SUBGRADE, RE: GEOTECH
10. EXPANSION JOINT IN SUB-SLAB; RE: CIVIL ENGINEER



SCALE: 1 1/2" = 1'-0" — SECTION - TYP. SAND SET CONCRETE UNIT PAVERS — PP-AL A 2AB-CS-15 — 01

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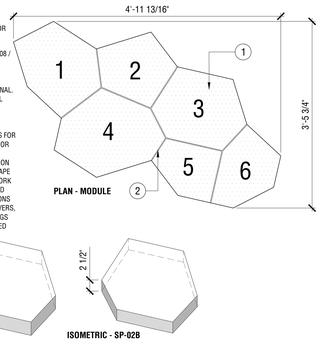
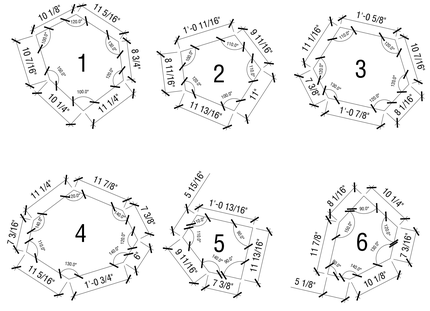
1 SP-02A / SP-02B STONE PAVERS; ARCHITECTURAL FLAG PATTERN. RE: CONSTRUCTION SCHEDULE FOR COLOR AND FINISH

2 3/16" CUSTOM COLOR GROUT JOINT; RE: 08 / L3.00

NOTES:

A. ALL PRECUT PAVER DIMENSIONS NOMINAL. SHOP DRAWINGS SHALL INCLUDE FINAL DIMENSIONS THAT ALLOW FOR JOINT SPACING.
B. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF ALL JOINT CONNECTIONS FOR REVIEW BY LANDSCAPE ARCHITECT PRIOR TO INSTALL.
C. CONTRACTOR TO VERIFY START LOCATION OF ALL PAVER COURSES WITH LANDSCAPE ARCHITECT PRIOR TO COMMENCING WORK
D. OVERSIZED PAVERS TO BE UTILIZED AND CUT TO FIT WHEN PERIMETER CONDITIONS PROHIBIT USE OF STANDARD SIZED PAVERS, PROVIDE COLOR-CODED SHOP DRAWINGS FOR EACH OVERSIZED PAVER TO BE USED





DETAIL - STONE PAVER (SP-02A/B) 13

SCALE: 1" = 1'-0"

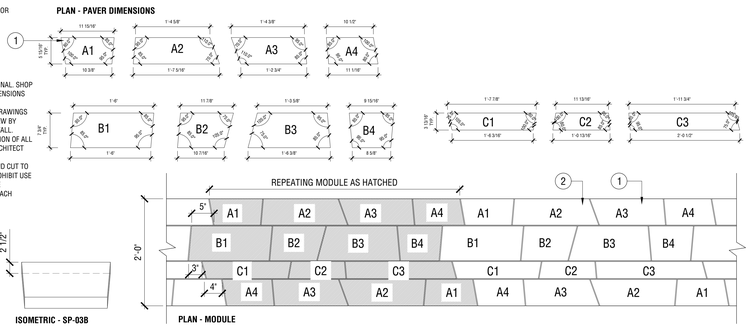
PP-ALA.5AB-CS-190

1 SP-03A / SP-03B STONE PAVERS; DIMENSIONALLY CUT BANDS. RE: CONSTRUCTION SCHEDULE FOR COLOR AND FINISH

2 3/16" CUSTOM COLOR GROUT JOINT; RE: 08 / L3.00

NOTES:

A. ALL PRECUT PAVER DIMENSIONS NOMINAL. SHOP DRAWINGS SHALL INCLUDE FINAL DIMENSIONS THAT ALLOW FOR JOINT SPACING.
B. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF ALL JOINT CONNECTIONS FOR REVIEW BY LANDSCAPE ARCHITECT PRIOR TO INSTALL.
C. CONTRACTOR TO VERIFY START LOCATION OF ALL PAVER COURSES WITH LANDSCAPE ARCHITECT PRIOR TO COMMENCING WORK
D. OVERSIZED PAVERS TO BE UTILIZED AND CUT TO FIT WHEN PERIMETER CONDITIONS PROHIBIT USE OF STANDARD SIZED PAVERS, PROVIDE COLOR-CODED SHOP DRAWINGS FOR EACH OVERSIZED PAVER TO BE USED



DETAIL - STONE PAVER (SP-03A/B) 12

SCALE: 1" = 1'-0"

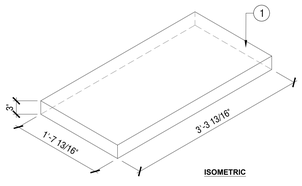
PP-ALA.5AB-CS-191

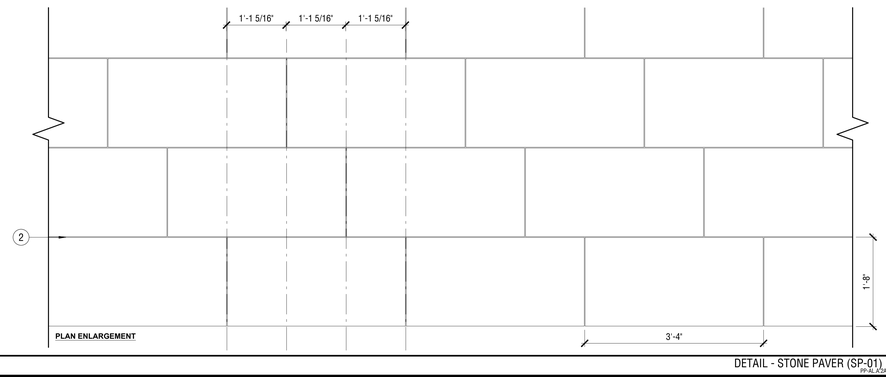
1 SP-01 STONE PAVER; ARRANGED IN 1/3 RUNNING BOND RE: CONSTRUCTION SCHEDULE FOR COLOR AND FINISH RE: CONSTRUCTION PLANS FOR PAVING ORIENTATION

2 3/16" CUSTOM COLOR GROUT JOINT RE: 08 / L3.00

NOTES:

A. CONTRACTOR TO VERIFY START LOCATION OF ALL PAVER COURSES WITH LANDSCAPE ARCHITECT PRIOR TO COMMENCING WORK
B. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF ALL JOINT CONNECTIONS FOR REVIEW BY LANDSCAPE ARCHITECT
C. OVERSIZED PAVERS TO BE UTILIZED AND CUT TO FIT WHEN PERIMETER CONDITIONS PROHIBIT USE OF STANDARD SIZED PAVERS, PROVIDE COLOR-CODED SHOP DRAWINGS FOR EACH OVERSIZED PAVER TO BE USED





DETAIL - STONE PAVER (SP-01) 11

SCALE: 1" = 1'-0"

PP-ALA.5AB-CS-192

1 CONCRETE UNIT PAVER, RE: CONSTRUCTION SCHEDULE FOR COLOR AND FINISH; RE: CONSTRUCTION PLANS FOR PAVING ORIENTATION

2 3/16" CUSTOM COLOR GROUT JOINT RE: SPECS

3 INTERPRETIVE BAND WITH CUSTOM ENGRAVINGS, RE: INTERPRETIVE PACKAGE

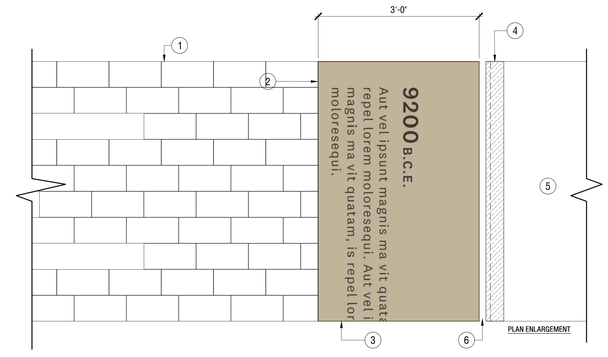
4 STONE WEIR, RE: 01/L3.10

5 WATER FEATURE, RE: WATER FEATURE CONSULTANT DRAWINGS

6 GAP BETWEEN PAVER AND WATER FEATURE STONE WEIR

NOTES:

A. CONTRACTOR TO VERIFY START LOCATION OF ALL PAVER COURSES WITH LANDSCAPE ARCHITECT PRIOR TO COMMENCING WORK
B. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF ALL JOINT CONNECTIONS FOR REVIEW BY LANDSCAPE ARCHITECT
C. OVERSIZED PAVERS TO BE UTILIZED AND CUT TO FIT WHEN PERIMETER CONDITIONS PROHIBIT USE OF STANDARD SIZED PAVERS, PROVIDE COLOR-CODED SHOP DRAWINGS FOR EACH OVERSIZED PAVER TO BE USED



PLAN ENLARGEMENT - CONCRETE UNIT PAVER (UP-02) AT INTERPRETIVE TIMELINE 02

SCALE: 1" = 1'-0"

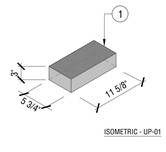
PP-AL.AMO.5-01

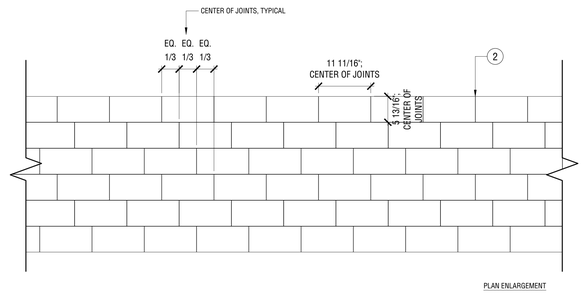
1 CONCRETE UNIT PAVER; ARRANGED IN 1/3 RUNNING BOND RE: CONSTRUCTION SCHEDULE FOR COLOR AND FINISH RE: CONSTRUCTION PLANS FOR PAVING ORIENTATION

2 1/16" SAND SWEPT JOINT; RE: SPECS

NOTES:

A. CONTRACTOR TO VERIFY START LOCATION OF ALL PAVER COURSES WITH LANDSCAPE ARCHITECT PRIOR TO COMMENCING WORK
B. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF ALL JOINT CONNECTIONS FOR REVIEW BY LANDSCAPE ARCHITECT
C. OVERSIZED PAVERS TO BE UTILIZED AND CUT TO FIT WHEN PERIMETER CONDITIONS PROHIBIT USE OF STANDARD SIZED PAVERS, PROVIDE COLOR-CODED SHOP DRAWINGS FOR EACH OVERSIZED PAVER TO BE USED





PLAN ENLARGEMENT - (UP-02) CONCRETE UNIT PAVER 01

SCALE: 1" = 1'-0"

PP-AL.AMO.5-01

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Tel 512.828.7434

Seal / Signature

LANDSCAPE ARCHITECTURE
THOMAS D. BUNN
1405
STATE OF TEXAS

01/05/2024

△ Date	Description
05/10/2023	50% SCHEMATIC DESIGN
08/10/2023	100% SCHEMATIC DESIGN
09/07/2023	DEMOLITION PACKAGE FOR ARCHAEOLOGICAL PERMIT - WESTERN SCOPE
11/02/2023	100% DESIGN DEVELOPMENT
01/05/2024	AREA 5 DEMOLITION MOBILIZATION
01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
CONSTRUCTION DETAILS

Scale

L3.01

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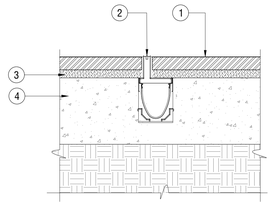
6/4/2024 9:09:45 AM

1 ADJACENT PAVING
RE: CONSTRUCTION PLANS

2 SLOT DRAIN; RE: CIVIL ENGINEER. COORDINATE RISER HEIGHT TO MEET FINISHED GRADE ELEVATIONS AT ALL LOCATIONS, PAVING PROFILES VARY

3 MORTAR BED; RE: SPECS

4 CONCRETE SUB-SLAB; RE: STRUCTURAL ENGINEER



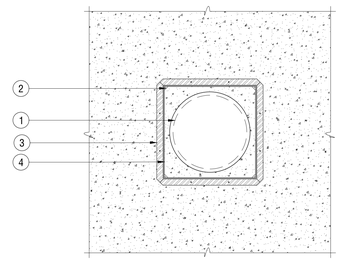
SECTION - SLOT DRAIN IN UNIT PAVING 04
SCALE: 1 1/2" = 1'-0" PP-AL AMO.5-01

1 UTILITY MANHOLE, RE: CIVIL

2 LUG STYLE CORNER LIFTING KEY WITH PLUG, TYPICAL

3 WUNDERCOVERS STANDARD FRAME

4 WUNDERCOVERS STANDARD TRAY



PLAN - WUNDERCOVER FRAME, TYP. 03
SCALE: 3/4" = 1'-0" PP-AL AMO.5-02

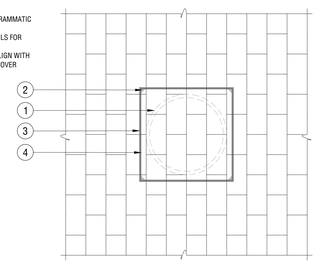
1 OUTLINE OF UTILITY MANHOLE COVER BELOW

2 LUG STYLE, CORNER LIFTING KEY WITH PLUG, TYP.

3 WUNDERCOVERS STANDARD FRAME

4 WUNDERCOVERS STANDARD TRAY

NOTES:
A. PAVING PATTERN IS FOR DIAGRAMMATIC PURPOSES ONLY; REFERENCE HARDSCAPE PLANS AND DETAILS FOR ACTUAL PAVER PATTERN
B. JOINTS IN THE PAVER FIELD ALIGN WITH THE JOINTS ON THE WUNDERCOVER

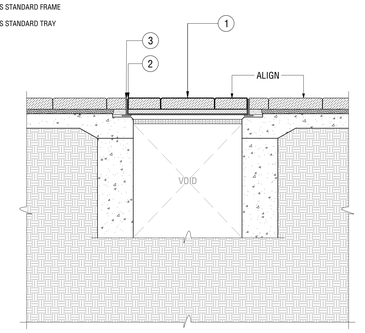


PLAN - WUNDERCOVER FINISH PATTERN, TYP. 02
SCALE: 3/4" = 1'-0" PP-AL AMO.5-19

1 PAVERS IN WUNDERCOVER TRAY

2 WUNDERCOVERS STANDARD FRAME

3 WUNDERCOVERS STANDARD TRAY



WUNDERCOVER SECTION - TYP. 01
SCALE: 1" = 1'-0" PP-AL AMO.5-18

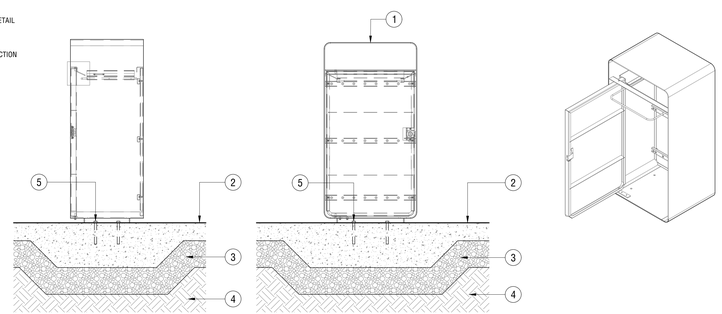
1 LITTER AND RECEPTACLE
RE: CONSTRUCTION SCHEDULE L100A AND DETAIL 01/L100C FOR FINISH AND COLOR.

2 ADJACENT CONCRETE PAVING. RE: CONSTRUCTION PLAN AND SCHEDULE

3 COMPACTED AGGREGATE SUB-BASE

4 PREPARED SUBGRADE

5 CONCRETE ANCHOR



SECTION-TYP. WASTE RECEPTACLE 11
SCALE: 1" = 1'-0" PP-AL AMO.5-03

1 1/4" FLAT CAP WELDED TO STEEL PIPE; RE: MANUFACTURER. COLOR AND FINISH PER CONSTRUCTION SCHEDULE

2 STEEL BOLLARD; RE: CONSTRUCTION SCHEDULE AND SPECIFICATIONS

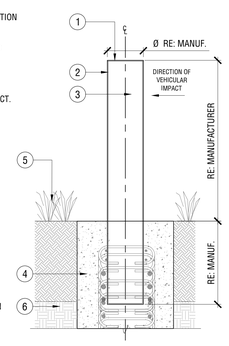
3 CONCRETE INFILL; RE: MANUFACTURER

4 CONCRETE FOOTING AND REINFORCEMENT; RE: STRUCT. ENGINEER

5 ADJACENT PLANTING BED; RE: PLANTING PLANS

6 EXISTING SUB-GRADE; RE: GEOTECHNICAL REPORT

NOTES:
1. CONTRACTOR TO PROVIDE DETAILED SHOP DRAWINGS FOR REVIEW AND APPROVAL BY DESIGN TEAM PRIOR TO FABRICATION.
2. REFER TO CONSTRUCTION SCHEDULE FOR ALL COLORS AND FINISHES.



SECTION - BO-02 FIXED BOLLARD 06
SCALE: 3/4" = 1'-0" PP-AL AMO.5-20

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Seal / Signature

REGISTERED LANDSCAPE ARCHITECT JAMES D. BUNNELL 1405 STATE OF TEXAS
01/05/2024

Date	Description
05/19/2023	50% SCHEMATIC DESIGN
08/10/2023	100% SCHEMATIC DESIGN
09/07/2023	DEMOLITION PACKAGE FOR ARCHAEOLOGICAL PERMIT - WESTERN SCOPE
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06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
CONSTRUCTION DETAILS

Scale
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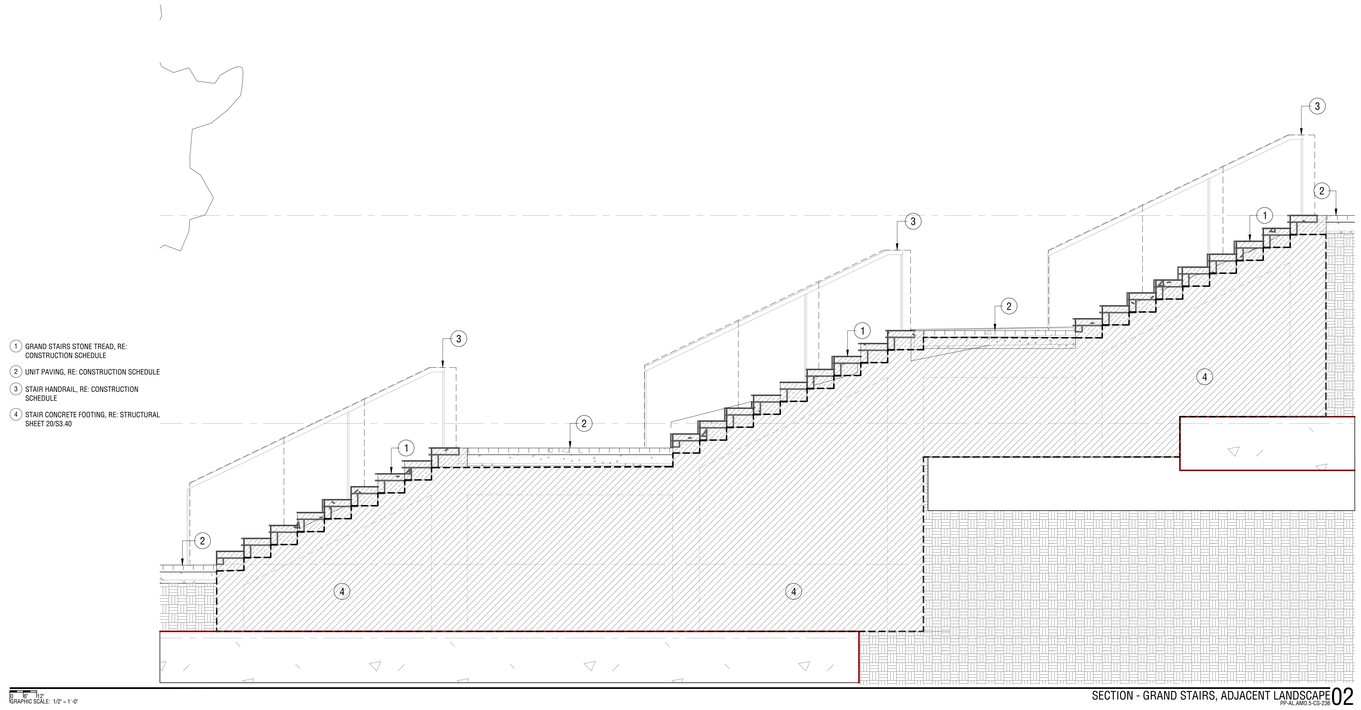
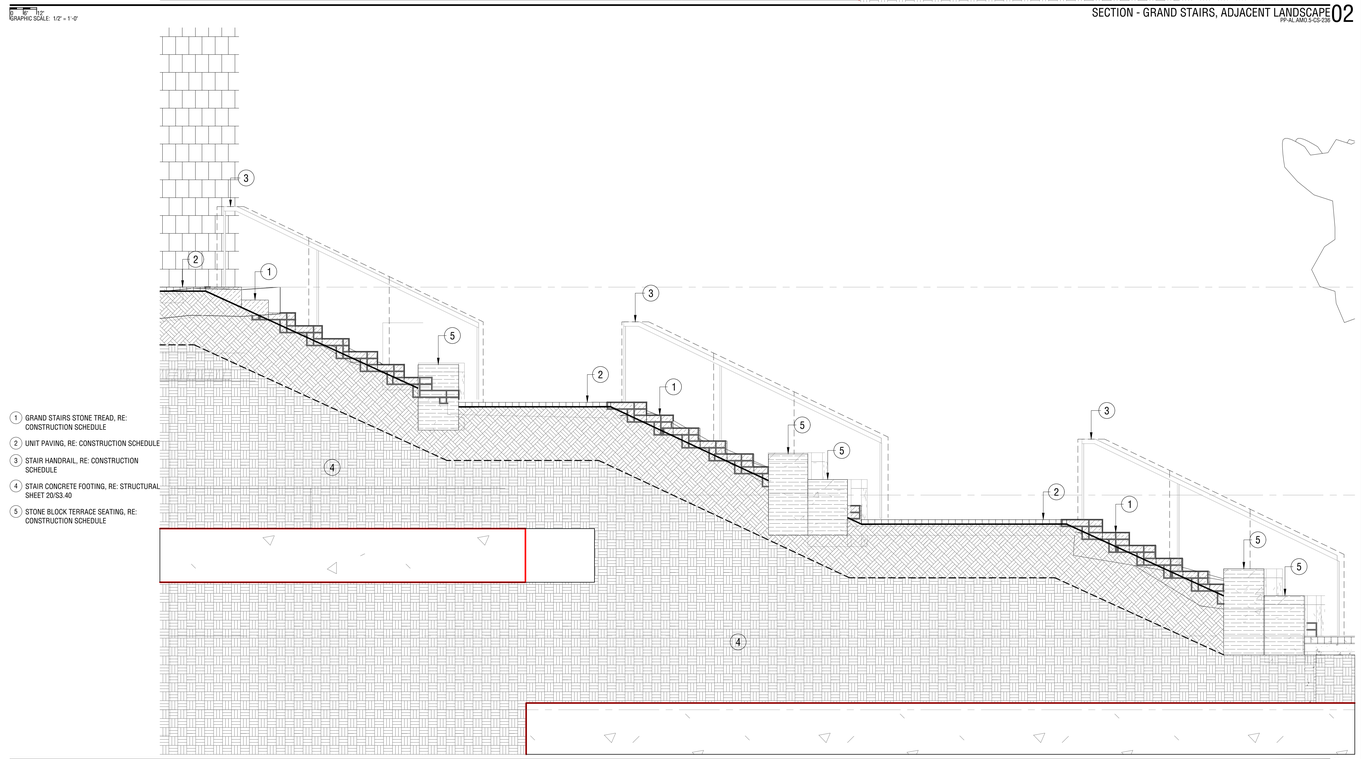


GRAPHIC SCALE: 1/2" = 1'-0"

SECTION - GRAND STAIRS, ADJACENT LANDSCAPE 02
PP-AL_AMO-3-CS-230



GRAPHIC SCALE: 1/2" = 1'-0"

SECTION - GRAND STAIRS, ADJACENT LANDSCAPE 01
PP-AL_AMO-3-CS-230

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REGISTERED LANDSCAPE ARCHITECT JAMES D. BURNETT 1402 STATE OF TEXAS

01/05/2024

△ Date	Description
05/19/2023	50% SCHEMATIC DESIGN
08/10/2023	100% SCHEMATIC DESIGN
09/07/2023	DEMOLITION PACKAGE FOR ARCHAEOLOGICAL PERMIT - WESTERN SCOPE
11/02/2023	100% DESIGN DEVELOPMENT
01/05/2024	AREA 5 DEMOLITION MOBILIZATION
01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
CONSTRUCTION DETAILS, GRAND STAIRS SECTIONS

Scale

L3.05

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REGISTERED LANDSCAPE ARCHITECT
JAMES D. BURNETT
1402
STATE OF TEXAS
01/05/2024

△	Date	Description
	05/19/2023	50% SCHEMATIC DESIGN
	08/10/2023	100% SCHEMATIC DESIGN
	09/07/2023	DEMOLITION PACKAGE FOR ARCHAEOLOGICAL PERMIT - WESTERN SCOPE
	11/02/2023	100% DESIGN DEVELOPMENT
	01/05/2024	AREA 5 DEMOLITION MOBILIZATION
	01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
	06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name

ALAMO SITE: AREA 5 - LOWER PASEO

Project Number

122.0076.500

Description

CONSTRUCTION DETAILS, GRAND STAIRS SECTIONS

Scale

L3.06

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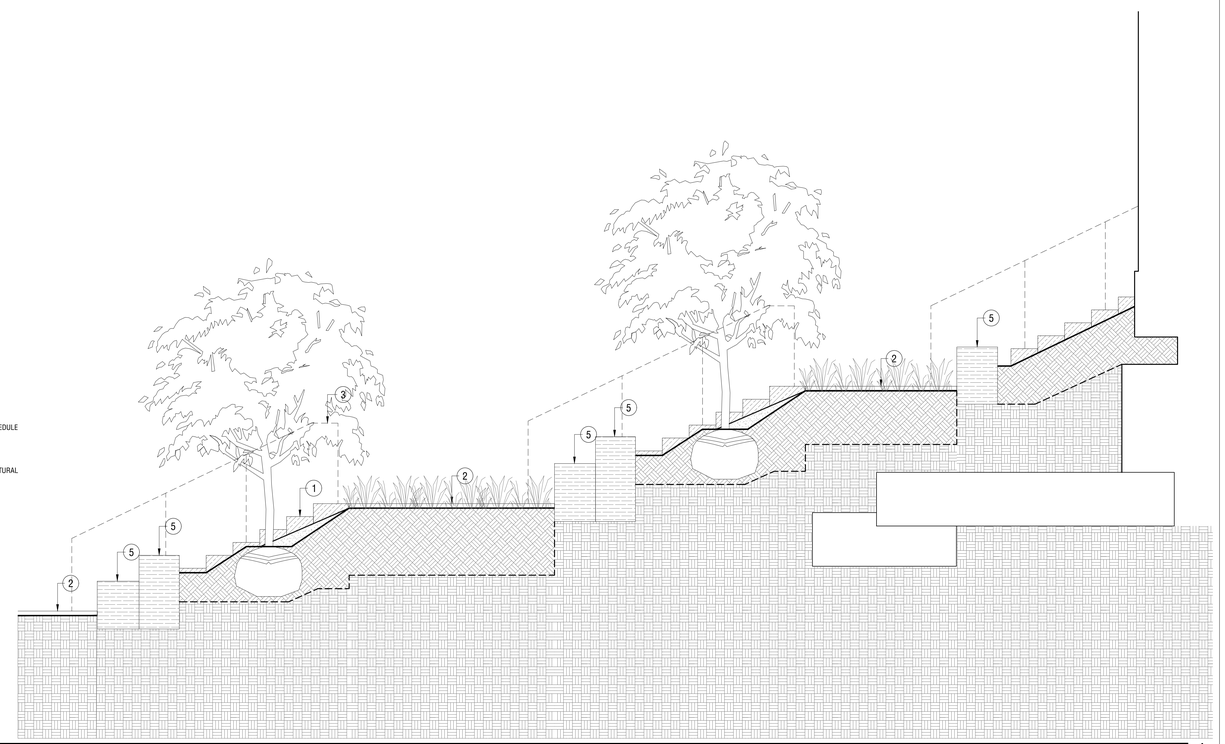
1. GRAND STAIRS STONE TREAD, RE: CONSTRUCTION SCHEDULE
2. UNIT PAVING, RE: CONSTRUCTION SCHEDULE
3. STAIR HANDRAIL, RE: CONSTRUCTION SCHEDULE
4. STAIR CONCRETE FOOTING, RE: STRUCTURAL SHEET 20/S3.40
5. STONE BLOCK TERRACE SEATING, RE: CONSTRUCTION SCHEDULE



GRAPHIC SCALE 1/2" = 1'-0"

SECTION - GRAND STAIRS ADJACENT LANDSCAPE (FACING NORTH) 1
1/2"=1'-0" AT ALAMO 5 SCALE

6/4/2024 5:09:45 AM Autodesk Docs://122.0076.000 - Alamo Site/122.0076.500 Phase 5 R22.rvt
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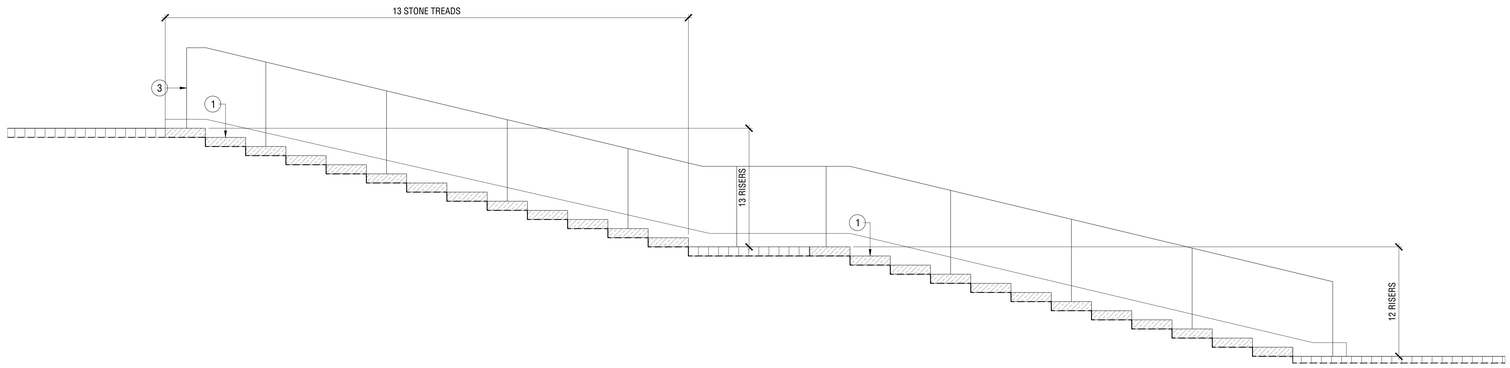
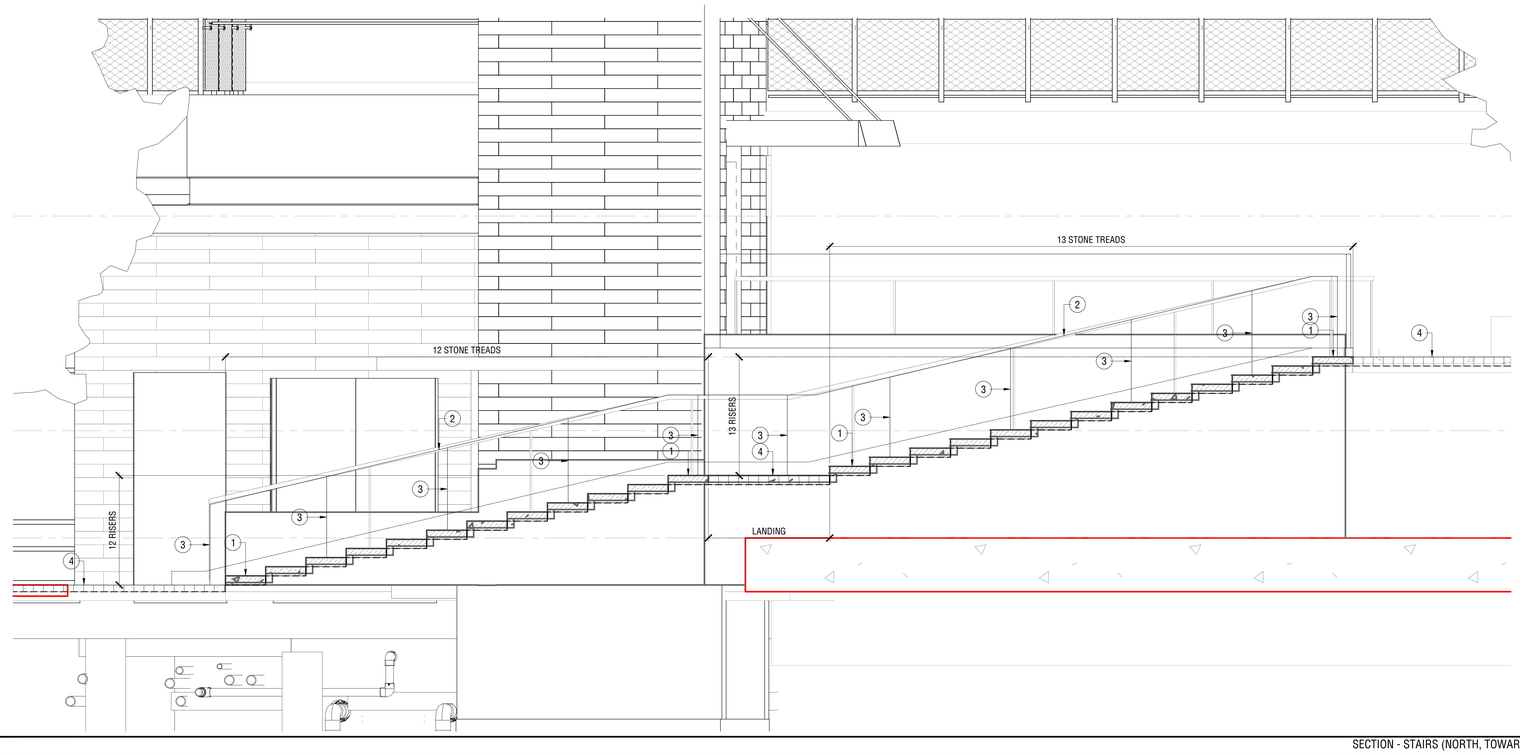
1. STAIR TREADS, RE: CONSTRUCTION SCHEDULE
2. HANDRAIL
3. HANDRAIL POST
4. UNIT PAVERS, RE: CONSTRUCTION SCHEDULE
5. CHEEKWALL



SECTION - STAIRS AND CHEEKWALL (TOWARDS WATER FEATURE) 02
RP-AL-AMO-S-CS-254



SECTION - STAIRS (NORTH, TOWARDS ELEVATOR) 01
RP-AL-AMO-S-CS-254

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LICENSED LANDSCAPE ARCHITECT JAMES D. RUNNELS 1483 STATE OF TEXAS

01/05/2024

Date	Description
05/19/2023	50% SCHEMATIC DESIGN
08/10/2023	100% SCHEMATIC DESIGN
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01/05/2024	AREA 5 DEMOLITION MOBILIZATION
01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name

ALAMO SITE: AREA 5 - LOWER PASEO

Project Number

122.0076.500

Description

CONSTRUCTION DETAILS, STAIRS AT WF SECTIONS

Scale

L3.07

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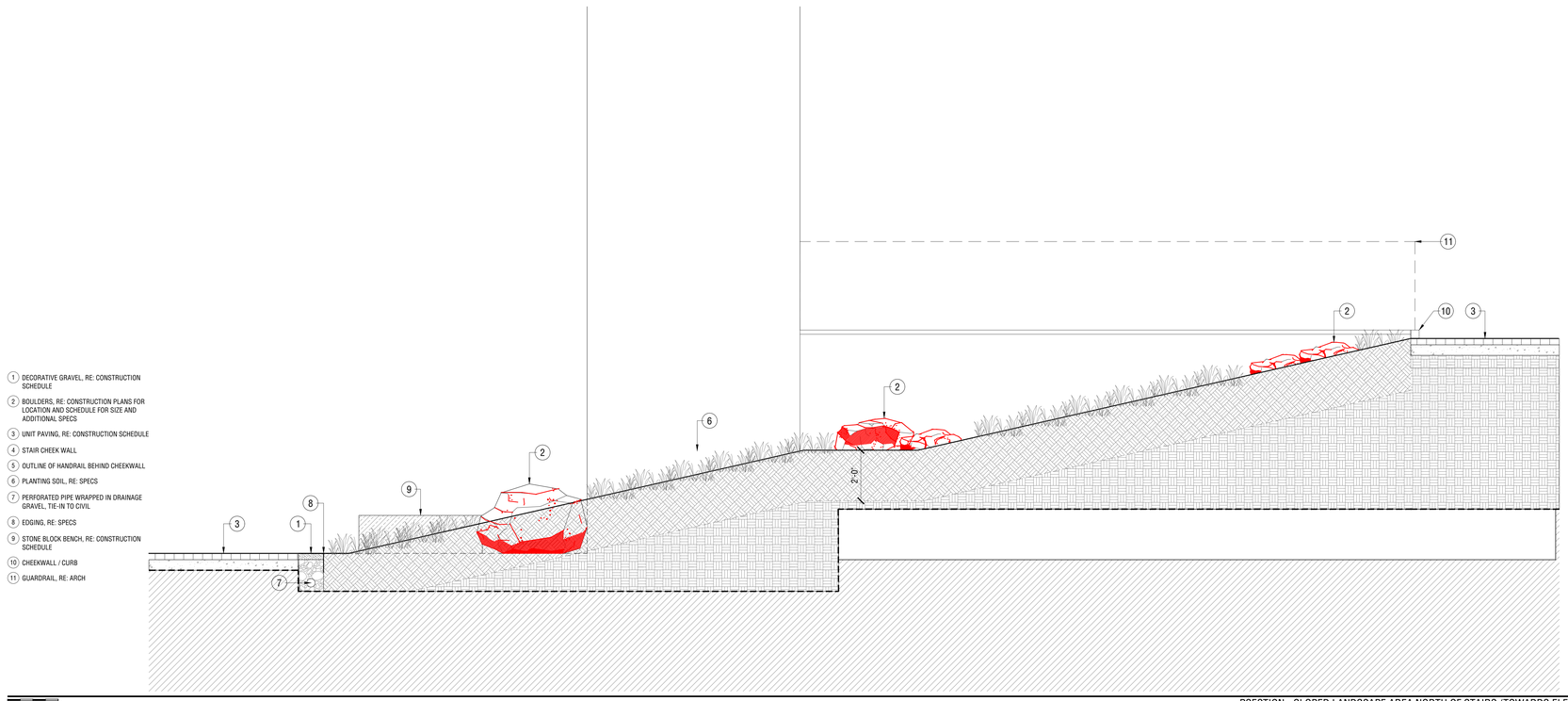
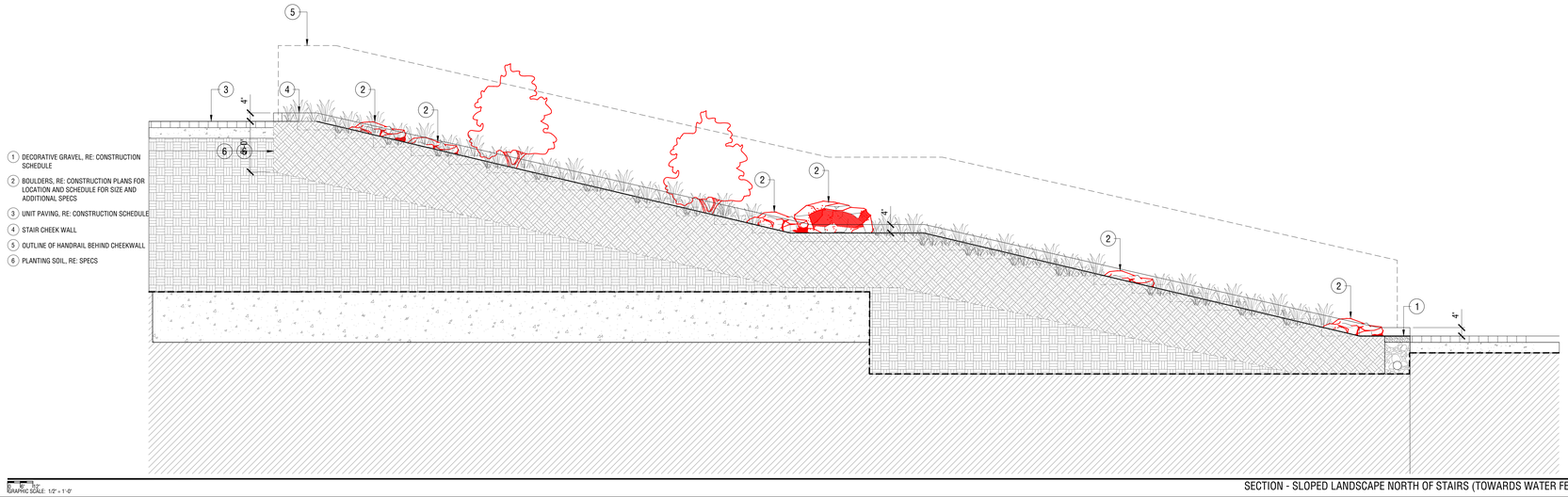


PSECTION - SLOPED LANDSCAPE AREA NORTH OF STAIRS (TOWARDS ELEVATOR) PP-AL AM0.3-CS-253 02



SECTION - SLOPED LANDSCAPE NORTH OF STAIRS (TOWARDS WATER FEATURE) PP-AL AM0.3-CS-253 01

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△ Date	Description
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11/02/2023	100% DESIGN DEVELOPMENT
01/05/2024	AREA 5 DEMOLITION MOBILIZATION
01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name

ALAMO SITE: AREA 5 - LOWER PASEO

Project Number

122.0076.500

Description

CONSTRUCTION DETAILS, STAIRS AT WF SECTIONS

Scale

L3.08

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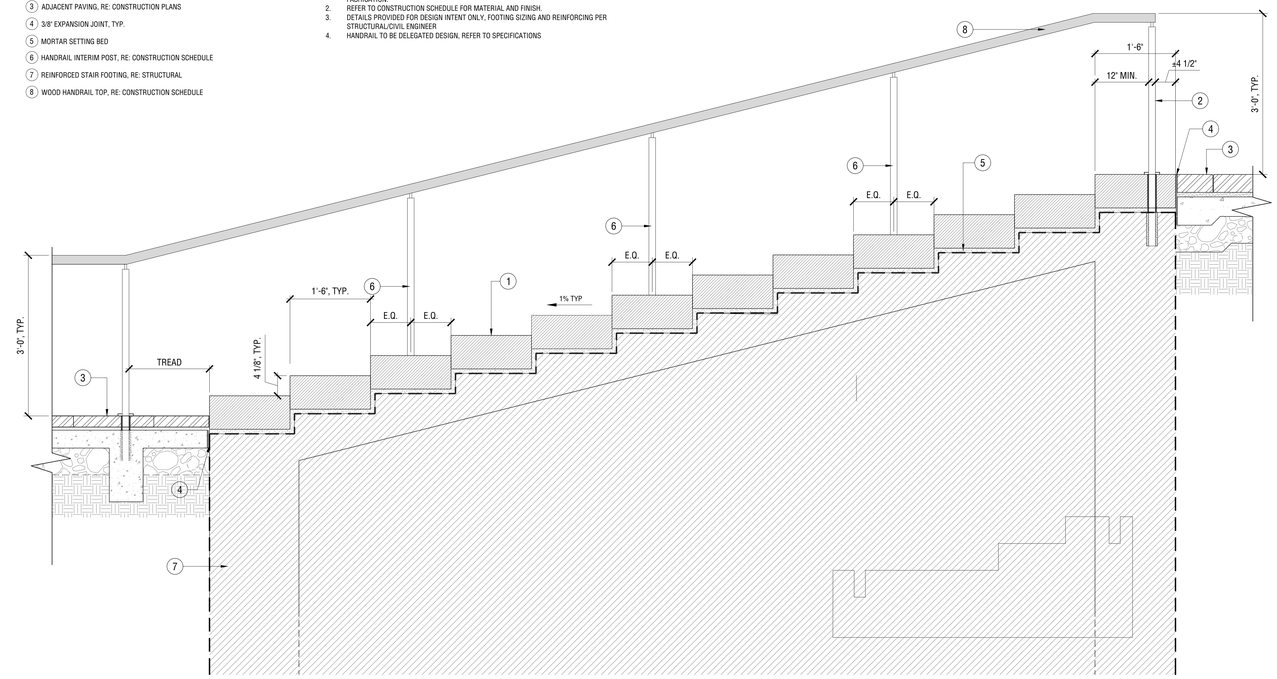
1. MONOLITHIC STONE BLOCK; RE: CONSTRUCTION SCHEDULE FOR COLOR AND FINISH
2. HANDRAIL END POST, RE:CONSTRUCTION SCHEDULE
3. ADJACENT PAVING, RE: CONSTRUCTION PLANS
4. 3/8" EXPANSION JOINT, TYP.
5. MORTAR SETTING BED
6. HANDRAIL INTERIM POST, RE: CONSTRUCTION SCHEDULE
7. REINFORCED STAIR FOOTING, RE: STRUCTURAL
8. WOOD HANDRAIL TOP, RE: CONSTRUCTION SCHEDULE

NOTE:
1. REFER TO CONSTRUCTION PLAN FOR OVERALL LAYOUT. PROVIDE SHOP DRAWINGS OF STAIRS AND HANDRAILS FOR LANDSCAPE ARCHITECT'S REVIEW AND APPROVAL PRIOR TO FABRICATION.
2. REFER TO CONSTRUCTION SCHEDULE FOR MATERIAL AND FINISH.
3. DETAILS PROVIDED FOR DESIGN INTENT ONLY, FOOTING SIZING AND REINFORCING PER STRUCTURAL/CIVIL ENGINEER
4. HANDRAIL TO BE DELEGATED DESIGN, REFER TO SPECIFICATIONS

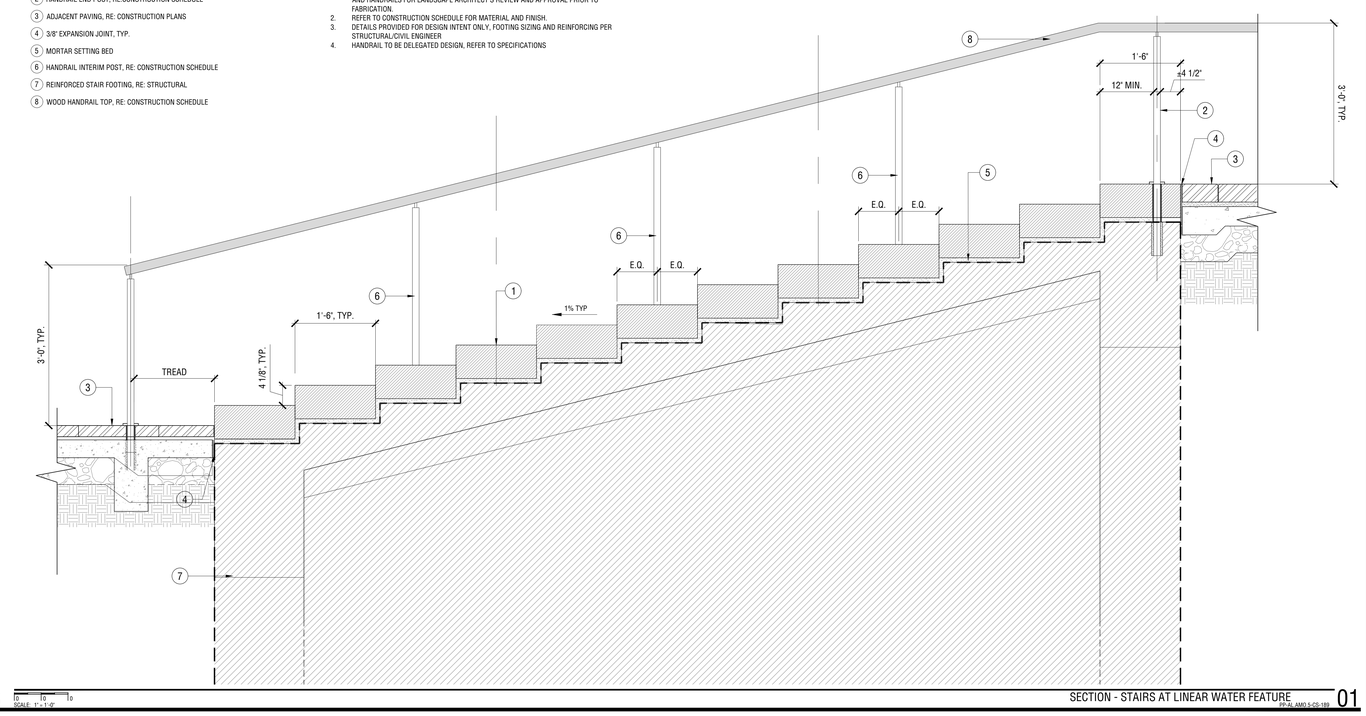


SECTION - UPPER STAIRS AT LINEAR WATER FEATURE PP-AL-AMO-5-CS-242 02

SCALE: 1" = 1'-0"

1. MONOLITHIC STONE BLOCK; RE: CONSTRUCTION SCHEDULE FOR COLOR AND FINISH
2. HANDRAIL END POST, RE:CONSTRUCTION SCHEDULE
3. ADJACENT PAVING, RE: CONSTRUCTION PLANS
4. 3/8" EXPANSION JOINT, TYP.
5. MORTAR SETTING BED
6. HANDRAIL INTERIM POST, RE: CONSTRUCTION SCHEDULE
7. REINFORCED STAIR FOOTING, RE: STRUCTURAL
8. WOOD HANDRAIL TOP, RE: CONSTRUCTION SCHEDULE

NOTE:
1. REFER TO CONSTRUCTION PLAN FOR OVERALL LAYOUT. PROVIDE SHOP DRAWINGS OF STAIRS AND HANDRAILS FOR LANDSCAPE ARCHITECT'S REVIEW AND APPROVAL PRIOR TO FABRICATION.
2. REFER TO CONSTRUCTION SCHEDULE FOR MATERIAL AND FINISH.
3. DETAILS PROVIDED FOR DESIGN INTENT ONLY, FOOTING SIZING AND REINFORCING PER STRUCTURAL/CIVIL ENGINEER
4. HANDRAIL TO BE DELEGATED DESIGN, REFER TO SPECIFICATIONS

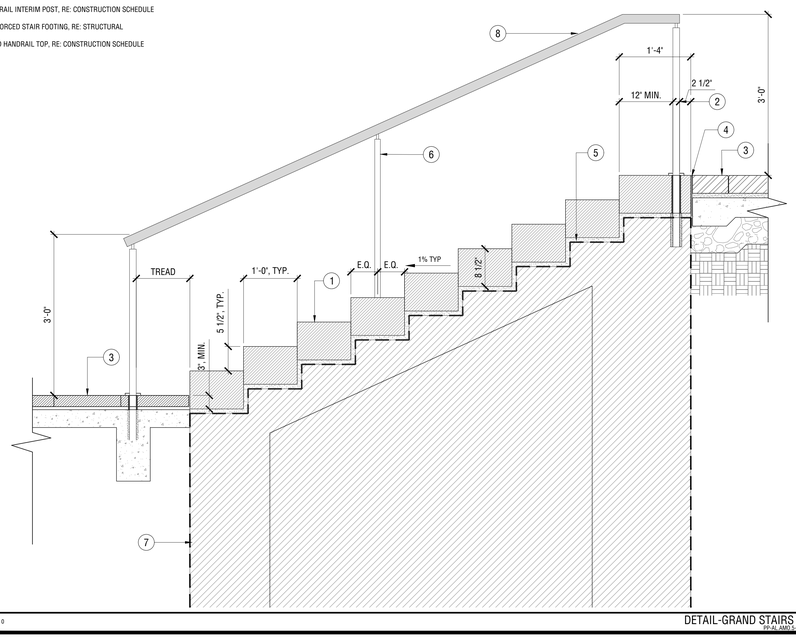


SECTION - STAIRS AT LINEAR WATER FEATURE PP-AL-AMO-5-CS-180 01

SCALE: 1" = 1'-0"

1. MONOLITHIC STONE BLOCK; RE: CONSTRUCTION SCHEDULE FOR COLOR AND FINISH
2. HANDRAIL END POST, RE:CONSTRUCTION SCHEDULE
3. ADJACENT PAVING, RE: CONSTRUCTION PLANS
4. 3/8" EXPANSION JOINT, TYP.
5. MORTAR SETTING BED
6. HANDRAIL INTERIM POST, RE: CONSTRUCTION SCHEDULE
7. REINFORCED STAIR FOOTING, RE: STRUCTURAL
8. WOOD HANDRAIL TOP, RE: CONSTRUCTION SCHEDULE

NOTE:
1. REFER TO CONSTRUCTION PLAN FOR OVERALL LAYOUT. PROVIDE SHOP DRAWINGS OF STAIRS AND HANDRAILS FOR LANDSCAPE ARCHITECT'S REVIEW AND APPROVAL PRIOR TO FABRICATION.
2. REFER TO CONSTRUCTION SCHEDULE FOR MATERIAL AND FINISH.
3. DETAILS PROVIDED FOR DESIGN INTENT ONLY, FOOTING SIZING AND REINFORCING PER STRUCTURAL/CIVIL ENGINEER
4. HANDRAIL TO BE DELEGATED DESIGN, REFER TO SPECIFICATIONS



DETAIL-GRAND STAIRS PP-AL-AMO-5-CS-191 03

SCALE: 1" = 1'-0"

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01/05/2024	AREA 5 DEMOLITION MOBILIZATION
01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
CONSTRUCTION DETAILS, STAIRS

Scale
L3.09

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Layout: L3.09 CONSTRUCTION DETAILS STAIRS
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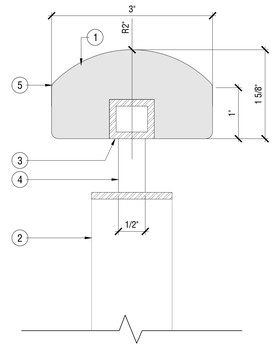
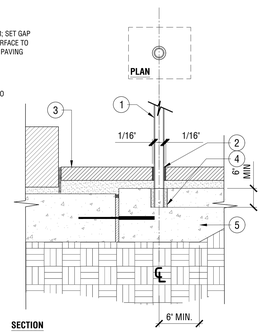
1. WOOD HANDRAIL CAP RE: CONSTRUCTION SCHEDULE
2. STEEL HANDRAIL POST RE: CONSTRUCTION SCHEDULE
3. TUBE STEEL INSERT WELDED TO SOLID STEEL PIN BELOW
4. 1/2" SOLID STEEL PIN WELDED TO TUBE STEEL ABOVE AND STEEL POST BELOW
5. 1/8" RADIUSED EDGES



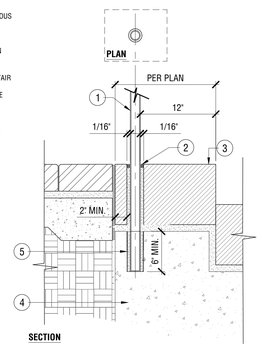
SECTION - WOOD HANDRAIL CAP 08
SCALE: 1" = 1" PP-AL-A.2AB-CS-22

1. 1.5" DIAMETER STEEL HANDRAIL POST- PROVIDE BITUMINOUS PAINT ON PORTION TO BE EMBEDDED; RE: CONSTRUCTION SCHEDULE FOR TYPE AND FINISH
2. CORE DRILL PAVING 1/8" LARGER THAN POST DIAMETER; SET GAP WITH HIGH-STRENGTH, NON-SHRINK GROUT AT TOP SURFACE TO CONCEAL OPENING/CORE, MATCH COLOR TO ADJACENT PAVING
3. CONCRETE UNIT PAVERS; RE: CONSTRUCTION SCHEDULE
4. CORE DRILL SLAB 1/8" LARGER THAN POST DIAMETER TO RECEIVE EMBEDMENT; SET WITH NON-SHRINK GROUT
5. CONCRETE SUB SLAB THICKENED AT EDGE; RE: CIVIL



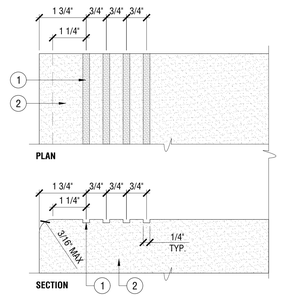
SECTION - HANDRAIL POST MOUNT AT CONCRETE UNIT PAVERS 07
SCALE: 1 1/2" = 1'-0" PP-AL.AMO.5-CS-02

1. 1.5" DIA. STEEL HANDRAIL POST- PROVIDE BITUMINOUS PAINT ON PORTION TO BE EMBEDDED; RE: CONSTRUCTION SCHEDULE FOR TYPE AND FINISH
2. CORE DRILL STONE BLOCK STAIR 1/8" LARGER THAN POST DIAMETER; SET WITH HIGH-STRENGTH, NON-SHRINK GROUT AT TOP SURFACE TO CONCEAL OPENING/CORE, MATCH COLOR TO STONE BLOCK STAIR
3. STONE BLOCK STAIR; RE: CONSTRUCTION SCHEDULE
4. REINFORCED CONCRETE FOUNDATION
5. CORE DRILL CONCRETE FOOTING 1/8" LARGER THAN POST DIAMETER; SET WITH HIGH-STRENGTH, NON-SHRINK GROUT



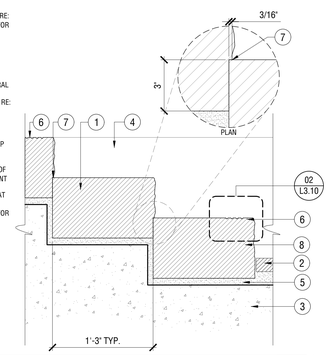
SECTION - HANDRAIL POST MOUNT AT STONE BLOCK 06
SCALE: 1 1/2" = 1'-0" PP-AL.A.2AB-CS-219

1. 1/4" WIDE X 1/8" DEEP TRACTION GROOVE, LOCATE AS SHOWN, GROOVE TO RUN ENTIRE LENGTH OF TREAD
2. MONOLITHIC STONE BLOCK STEP; TOP AND BOTTOM TREAD ONLY; RE: CONSTRUCTION SCHEDULE FOR COLOR AND FINISH



ENLARGEMENT - STAIR TREAD GROOVES 02
SCALE: 6" = 1'-0" PP-AL.A.2AB-CS-244

1. MONOLITHIC STONE BLOCK; RE: CONSTRUCTION SCHEDULE FOR COLOR AND FINISH
2. ADJACENT PAVING; RE: CONSTRUCTION PLANS
3. REINFORCED CONCRETE FOUNDATION; RE: STRUCTURAL
4. STONE CLAD WALL BEYOND; RE: CONSTRUCTION PLANS
5. 1" MORTAR SETTING BED
6. STAIR TREAD GROOVE AT TOP AND BOTTOM STEPS
7. 3/16" MAX GROOVE AT SIDE OF STONE BLOCK FOR ALIGNMENT
8. MONOLITHIC STONE BLOCK AT BOTTOM STEP; RE: CONSTRUCTION SCHEDULE FOR COLOR AND FINISH



SECTION - TYP. STONE BLOCK STEP 01
SCALE: 1 1/2" = 1'-0" PP-AL.A.2AB-CS-245

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Seal / Signature

REGISTERED LANDSCAPE ARCHITECT
JAMES D. BURNETT
5485
STATE OF TEXAS
01/05/2024

Date	Description
05/19/2023	50% SCHEMATIC DESIGN
08/10/2023	100% SCHEMATIC DESIGN
09/07/2023	DEMOLITION PACKAGE FOR ARCHAEOLOGICAL PERMIT - WESTERN SCOPE
11/02/2023	100% DESIGN DEVELOPMENT
01/05/2024	AREA 5 DEMOLITION MOBILIZATION
01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
CONSTRUCTION DETAILS, STAIRS, HANDRAILS + WALLS

L3.10

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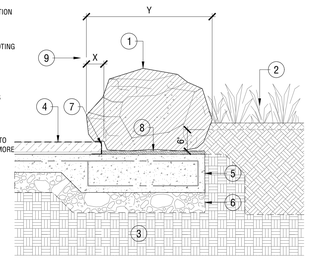
1. STONE BOULDER, RE: CONSTRUCTION SCHEDULE
2. ADJACENT LANDSCAPE PLANTING, RE: PLANTING PLANS
3. COMPACTED SUBGRADE
4. ADJACENT HARDSCAPE, RE: CONSTRUCTION PLANS
5. CONCRETE SUBSLAB OF CONCRETE TO EXTEND PAST PAVERS TO SERVE AS FOOTING FOR BOULDER, REINFORCING PER STRUCTURAL
6. COMPACTED AGGREGATE
7. EDGE RESTRAINT, PER TYPICAL DETAILS
8. LEVELING SAND AND GRAVEL BENEATH BOULDER
9. BOULDER OVER PAVING DIMENSION "X" TO BE A MINIMUM 6" AND NOT TO EXCEED MORE THAN 30% OF BOULDER LENGTH "Y"



NO GRAPHIC SCALE, NOT TO SCALE

DETAIL - STONE FEATURE DESIGN INTENT 19

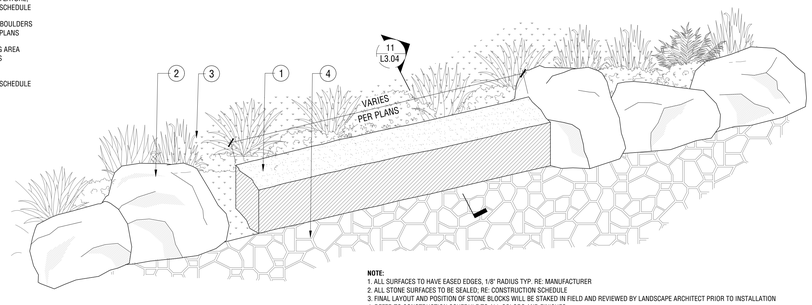
PP-AL.AMO.5-CS-226

GRAPHIC SCALE: 3/4" = 1'-0"

DETAIL - BOULDER AT HARDSCAPE AND LANDSCAPE, TYPICAL 14

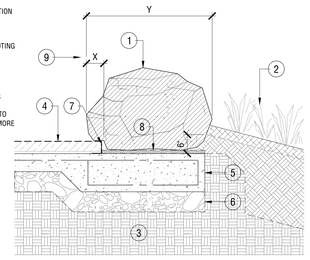
PP-AL.AMO.5-CS-210

1. DECORATIVE STONE FEATURE, RE: CONSTRUCTION SCHEDULE
2. DECORATIVE STONE BOULDERS RE: CONSTRUCTION PLANS
3. ADJACENT PLANTING AREA RE: PLANITNG PLANS
4. ADJACENT PAVING RE: CONSTRUCTION SCHEDULE



NOTE:
1. ALL SURFACES TO HAVE EASED EDGES, 1/8" RADIUS TYP. RE: MANUFACTURER
2. ALL STONE SURFACES TO BE SEALED; RE: CONSTRUCTION SCHEDULE
3. FINAL LAYOUT AND POSITION OF STONE BLOCKS WILL BE STAKED IN FIELD AND REVIEWED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION
4. REFER TO CONSTRUCTION SCHEDULE TO ALL COLORS AND FINISHES
5. FACING MARKS (PAINT OR CHALK) AND ALL UNNATURAL MARKING SHALL BE REMOVED FROM ALL VISIBLE SURFACES OF STONE
6. STONE MASON TO REMOVE ALL DRILL HOLES, DRILL MARKS, AND MACHINE MARKS TO PROVIDE CONSISTENT SPECIFIED FINISH ON ALL VISIBLE SURFACES

1. STONE BOULDER, RE: CONSTRUCTION SCHEDULE
2. ADJACENT LANDSCAPE PLANTING, RE: PLANTING PLANS
3. COMPACTED SUBGRADE
4. ADJACENT HARDSCAPE, RE: CONSTRUCTION PLANS
5. CONCRETE SUBSLAB OF CONCRETE TO EXTEND PAST PAVERS TO SERVE AS FOOTING FOR BOULDER, REINFORCING PER STRUCTURAL
6. COMPACTED AGGREGATE
7. EDGE RESTRAINT, PER TYPICAL DETAILS
9. BOULDER OVER PAVING DIMENSION "X" TO BE A MINIMUM 6" AND NOT TO EXCEED MORE THAN 30% OF BOULDER LENGTH "Y"

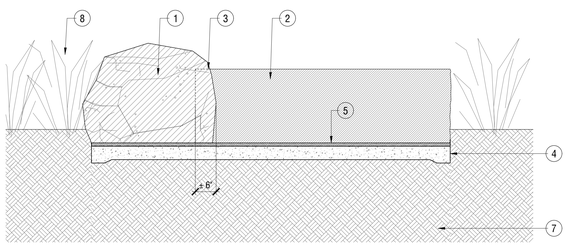


GRAPHIC SCALE: 3/4" = 1'-0"

AXON - DECORATIVE STONE FEATURE 18

PP-AL.AMO.5-CS-207

1. STONE BOULDER RE: CONSTRUCTION PLANS
2. DECORATIVE STONE FEATURE, SPLIT FACE ON ALL VERTICAL SURFACES, HONED FINISH ON TOP SURFACE RE: CONSTRUCTION SCHEDULE
3. SAND LEVELING BED
4. CONCRETE SLAB RE: STRUCTURAL
5. LEVELING SAND RE: SPECS
6. FILTER FABRIC RE: SPECS
7. COMPACTED SUBGRADE PER CIVIL / GEOTECH
8. ADJACENT PLANTING RE: PLANTING PLANS
9. PLANTING SOIL RE: SOIL PLANS
10. ROOT BARRIER; RE: SPECS
11. STRUCTURAL SLAB AND WATERPROOFING RE: ARCH

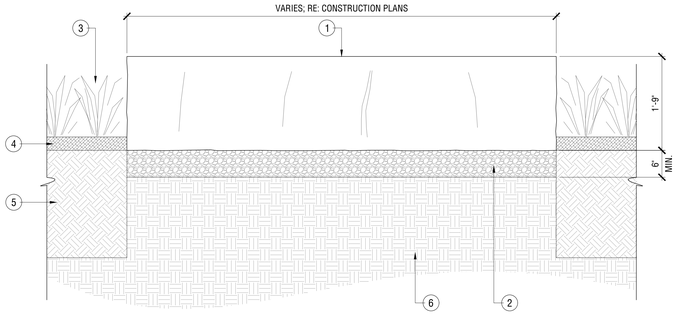


DETAIL - BOULDER AT HARDSCAPE AND SLOPED LANDSCAPE, TYPICAL 13

PP-AL.AMO.5-CS-209

1. LIMESTONE BLOCK, SPLIT FACE ON ALL VERTICAL SURFACES, HONED FINISH ON TOP SURFACE RE: CONSTRUCTION SCHEDULE
2. COMPACTED AGGREGATE BASE; RE: GEOTECHNICAL REPOR
3. ADJACENT PLANTING RE: PLANTING PLANS
4. MULCH LAYER RE: SPECIFICATIONS
5. PLANTING SOIL RE: SOIL PLANS
6. COMPACTED SUB-GRADE; RE: GEOTECHNICAL REPORT

NOTES:
1. STONE BLOCK SHALL BE HAND TOOLED TO FIT WHERE SPLIT FACE FINISH ABUTS UNIT PAVING CONDITION
2. THE FINAL POSITION SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO SETTING IN CONCRETE, BACK FILL AND PAVING
3. ALL STONE BLOCKS LOCATED NEXT TO OR WITHIN IMPERVIOUS SURFACES SHALL HAVE A COMPACTED AGGREGATE BASE.
4. FACING MARKS (PAINT AND CHALK) AND ALL NATURAL MARKINGS SHALL BE REMOVED FROM ALL VISIBLE SURFACES OF THE SLAB.



SCALE: 3/4" = 1'-0"

SECTION/ELEVATION - DECORATIVE STONE FEATURE (SF-03A) 17

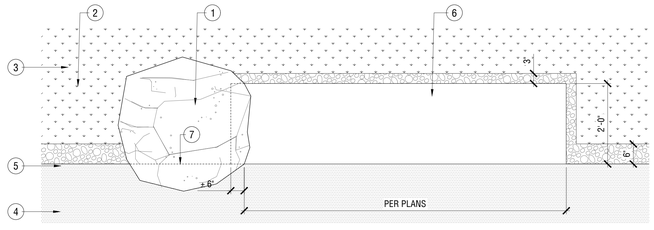
SP-SD.IQHQ-CS-203

SCALE: 1" = 1'-0"

ELEVATION - STONE SEAT WALL (SW-51A, SW-51B) 07

PP-AL.AMO.5-01

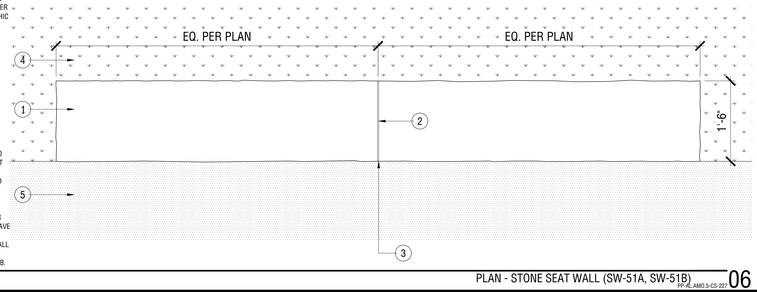
1. DECORATIVE STONE FEATURE, SPLIT FACE ON ALL VERTICAL SURFACES, HONED FINISH ON TOP SURFACE RE: CONSTRUCTION SCHEDULE
2. DECORATIVE BOULDER RE: CONSTRUCTION SCHEDULE RE: CONSTRUCTION PLANS FOR SIZE AND LOCATIONS
3. ADJACENT PLANTING RE: PLANTING PLANS
4. ADJACENT PAVING RE: CONSTRUCTION PLANS
5. DRAINAGE GRAVEL BAND IF SHOWN CONSTRUCTION PLANS; RE: SPECS
6. FLUSH JOINT BETWEEN STONE SEGMENTS RE: MANUFACTURER
7. BOULDER NOTCHED WHERE BOULDER MEETS PAVING



NOTE:
1. ALL SURFACES TO HAVE EASED EDGES, 1/8" RADIUS TYP. RE: MANUFACTURER
2. ALL STONE SURFACES TO BE SEALED; RE: CONSTRUCTION SCHEDULE
3. FINAL LAYOUT AND POSITION OF STONE BLOCKS WILL BE STAKED IN FIELD AND REVIEWED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION
4. REFER TO CONSTRUCTION SCHEDULE TO ALL COLORS AND FINISHES
5. FACING MARKS (PAINT OR CHALK) AND ALL UNNATURAL MARKING SHALL BE REMOVED FROM ALL VISIBLE SURFACES OF STONE
6. STONE MASON TO REMOVE ALL DRILL HOLES, DRILL MARKS, AND MACHINE MARKS TO PROVIDE CONSISTENT SPECIFIED FINISH ON ALL VISIBLE SURFACES

1. LIMESTONE BLOCK, RE: CONSTRUCTION SCHEDULE FOR VERTICAL AND HORIZONTAL FINISHES
2. FLUSH JOINT BETWEEN STONE SEGMENTS RE: MANUFACTURER; HONED ON ENDS THAT ABUT EACH OTHER / FORM JOINTS
3. INTERFACE OF STONE BLOCKS TO BE HAND CHISELED AFTER BEING PLACED TOEGETHER SO THAT SEAT WALL READS AS MONOLITHIC STONE BLOCK
4. ADJACENT PLANTING AREA RE: PLANTING PLANS
5. ADJACENT PAVING, VARIES PER PLAN RE: CONSTRUCTION PLANS

NOTES:
1. STONE BLOCK SHALL BE HAND TOOLED TO FIT WHERE SPLIT FACE FINISH ABUTS UNIT PAVING CONDITION
2. THE FINAL POSITION SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO SETTING IN CONCRETE, BACK FILL AND PAVING
3. ALL STONE BLOCKS LOCATED NEXT TO OR WITHIN IMPERVIOUS SURFACES SHALL HAVE A COMPACTED AGGREGATE BASE.
4. FACING MARKS (PAINT AND CHALK) AND ALL NATURAL MARKINGS SHALL BE REMOVED FROM ALL VISIBLE SURFACES OF THE SLAB.

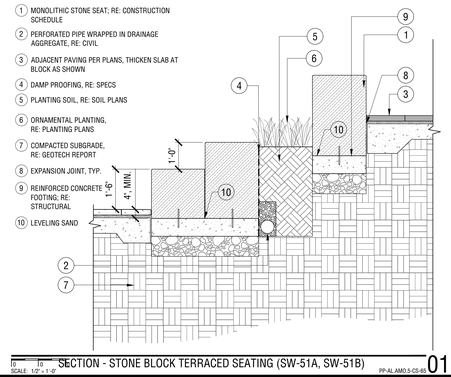


GRAPHIC SCALE: 1" = 1'-0"

PLAN - STONE SEAT WALL (SW-51A, SW-51B) 06

PP-AL.AMO.5-CS-227

1. MONOLITHIC STONE SEAT; RE: CONSTRUCTION SCHEDULE
2. PERFORATED PIPE WRAPPED IN DRAINAGE AGGREGATE, RE: CIVIL
3. ADJACENT PAVING PER PLANS, THICKEN SLAB AT BLOCK AS SHOWN
4. DAMP PROOFING, RE: SPECS
5. PLANTING SOIL, RE: SOIL PLANS
6. ORNAMENTAL PLANTING, RE: PLANTING PLANS
7. COMPACTED SUBGRADE, RE: GEOTECH REPORT
8. EXPANSION JOINT, TYP.
9. REINFORCED CONCRETE FOOTING; RE: STRUCTURAL
10. LEVELING SAND



SCALE: 1/2" = 1'-0"

SECTION - STONE BLOCK TERRACED SEATING (SW-51A, SW-51B) 01

PP-AL.AMO.5-CS-65

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Seal / Signature

01/05/2024

Date	Description
05/19/2023	50% SCHEMATIC DESIGN
08/10/2023	100% SCHEMATIC DESIGN
09/07/2023	DEMOLITION PACKAGE FOR ARCHAEOLOGICAL PERMIT - WESTERN SCOPE
11/02/2023	100% DESIGN DEVELOPMENT
01/05/2024	AREA 5 DEMOLITION MOBILIZATION
01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
CONSTRUCTION DETAILS, BENCHES

Scale

L3.15

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Version: June 06, 2024 - 05:51:07pm
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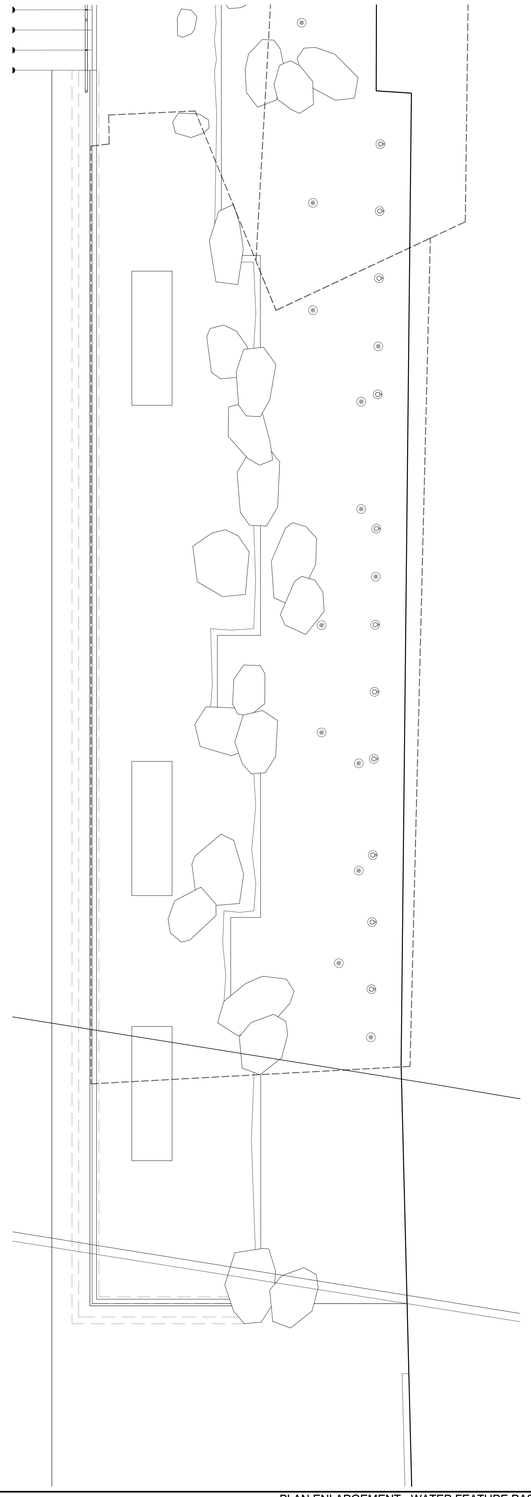
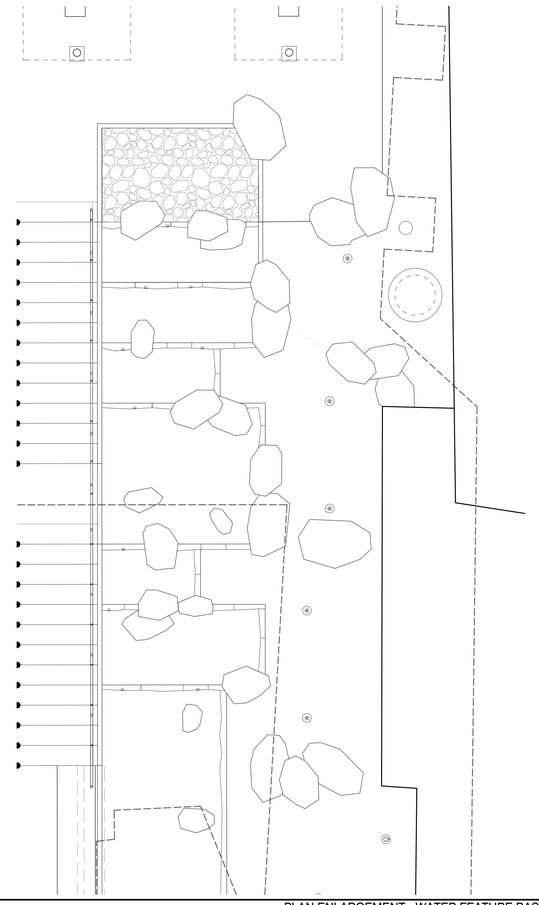


PLAN ENLARGEMENT - WATER FEATURE BASIN, STONE BOTTOM 11
PP-AL-AMO-5-DS-025
GRAPHIC SCALE: 1" = 1'



PLAN ENLARGEMENT - WATER FEATURE BASIN, STONE BOTTOM 01
PP-AL-AMO-5-DS-024
GRAPHIC SCALE: 1" = 1'

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REGISTERED LANDSCAPE ARCHITECT JAMES D. BURNETT 1485 STATE OF TEXAS

01/05/2024

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06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
CONSTRUCTION DETAILS - WATER FEATURE

Scale

L3.20

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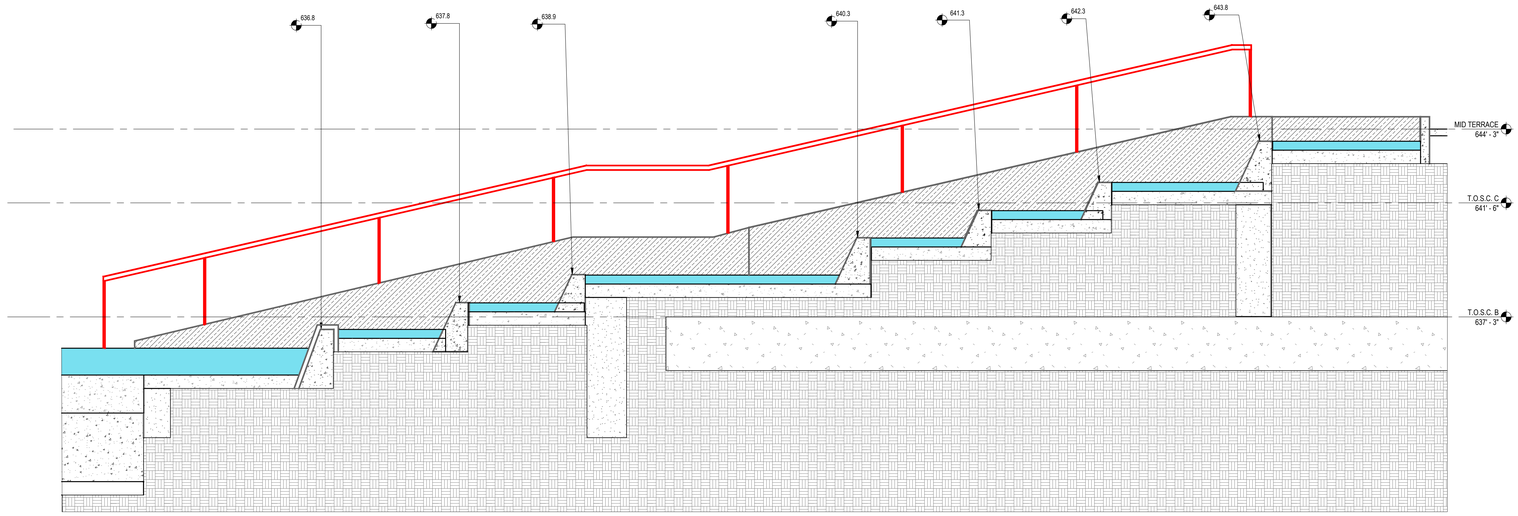
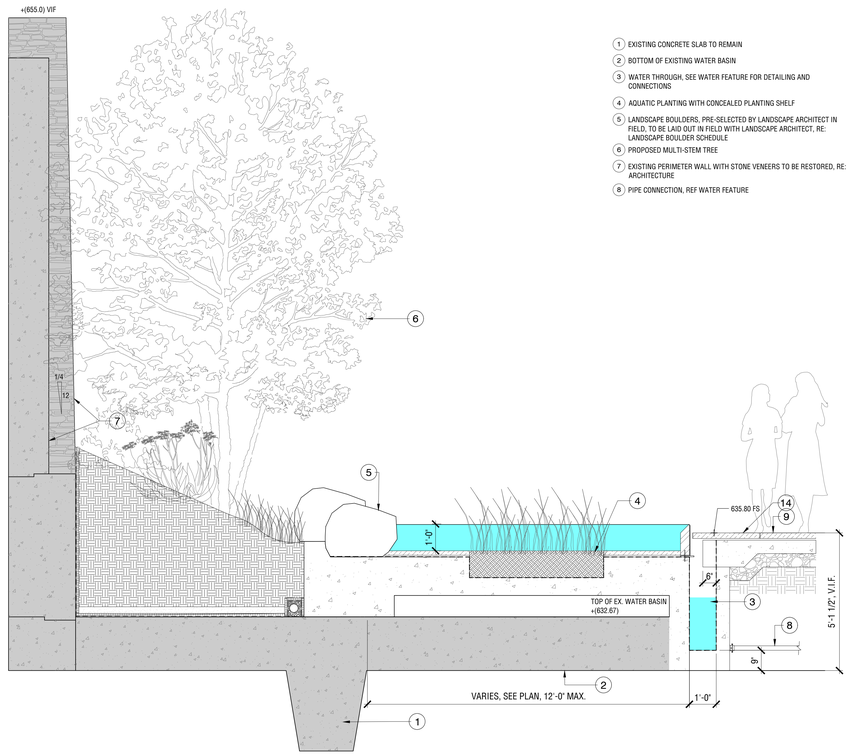


SECTION - WATER FEATURE THROUGH WEIRS 04
PP-AL-AMO-3-CS-250

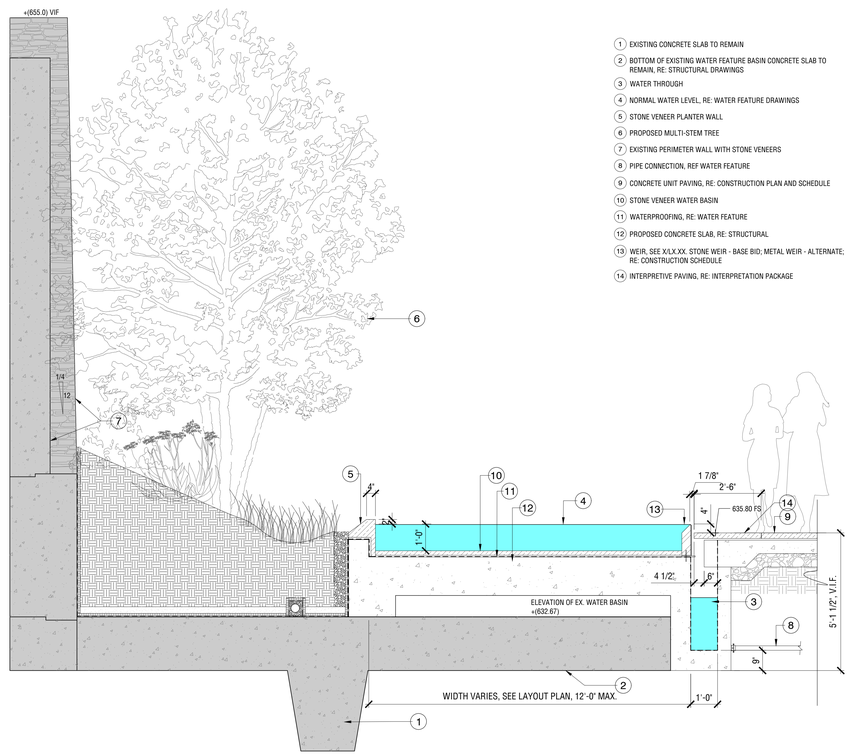
SCALE: 1/2" = 1'-0"



1 EXISTING CONCRETE SLAB TO REMAIN
2 BOTTOM OF EXISTING WATER BASIN
3 WATER THROUGH, SEE WATER FEATURE FOR DETAILING AND CONNECTIONS
4 AQUATIC PLANTING WITH CONCEALED PLANTING SHELF
5 LANDSCAPE BOULDERS, PRE-SELECTED BY LANDSCAPE ARCHITECT IN FIELD, TO BE LAID OUT IN FIELD WITH LANDSCAPE ARCHITECT, RE: LANDSCAPE BOULDER SCHEDULE
6 PROPOSED MULTI-STEM TREE
7 EXISTING PERIMETER WALL WITH STONE VENEERS TO BE RESTORED, RE: ARCHITECTURE
8 PIPE CONNECTION, REF WATER FEATURE

SECTION - WATER BASIN WITH BOULDERS AT LOWER PASEO 3
PP-AL-AMO-3-CS-101

SCALE: 1/2" = 1'-0"



1 EXISTING CONCRETE SLAB TO REMAIN
2 BOTTOM OF EXISTING WATER FEATURE BASIN CONCRETE SLAB TO REMAIN, RE: STRUCTURAL DRAWINGS
3 WATER THROUGH
4 NORMAL WATER LEVEL, RE: WATER FEATURE DRAWINGS
5 STONE VENEER PLANTER WALL
6 PROPOSED MULTI-STEM TREE
7 EXISTING PERIMETER WALL WITH STONE VENEERS
8 PIPE CONNECTION, REF WATER FEATURE
9 CONCRETE UNIT PAVING, RE: CONSTRUCTION PLAN AND SCHEDULE
10 STONE VENEER WATER BASIN
11 WATERPROOFING, RE: WATER FEATURE
12 PROPOSED CONCRETE SLAB, RE: STRUCTURAL
13 WEIR, SEE X/LXX. STONE WEIR - BASE BID; METAL WEIR - ALTERNATE; RE: CONSTRUCTION SCHEDULE
14 INTERPRETIVE PAVING, RE: INTERPRETATION PACKAGE

SECTION - WATER BASIN AT LOWER PASEO 1
PP-AL-AMO-3-CS-178

SCALE: 1/2" = 1'-0"

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Seal / Signature

REGISTERED LANDSCAPE ARCHITECT
JARED D. BUNDICK
1485
STATE OF TEXAS
01/05/2024

Date	Description
05/19/2023	50% SCHEMATIC DESIGN
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11/02/2023	100% DESIGN DEVELOPMENT
01/05/2024	AREA 5 DEMOLITION MOBILIZATION
01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
CONSTRUCTION DETAILS - WATER FEATURE

Scale

L3.21

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Autodesk Docs://22.0076.000 - Alamo Site/22.0076.500 Phase 5 R22.ri
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Plotted By: Dominics PH

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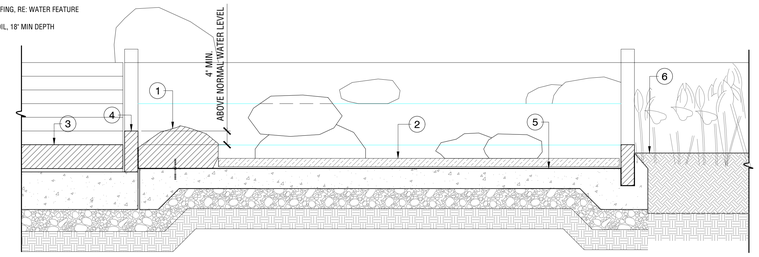
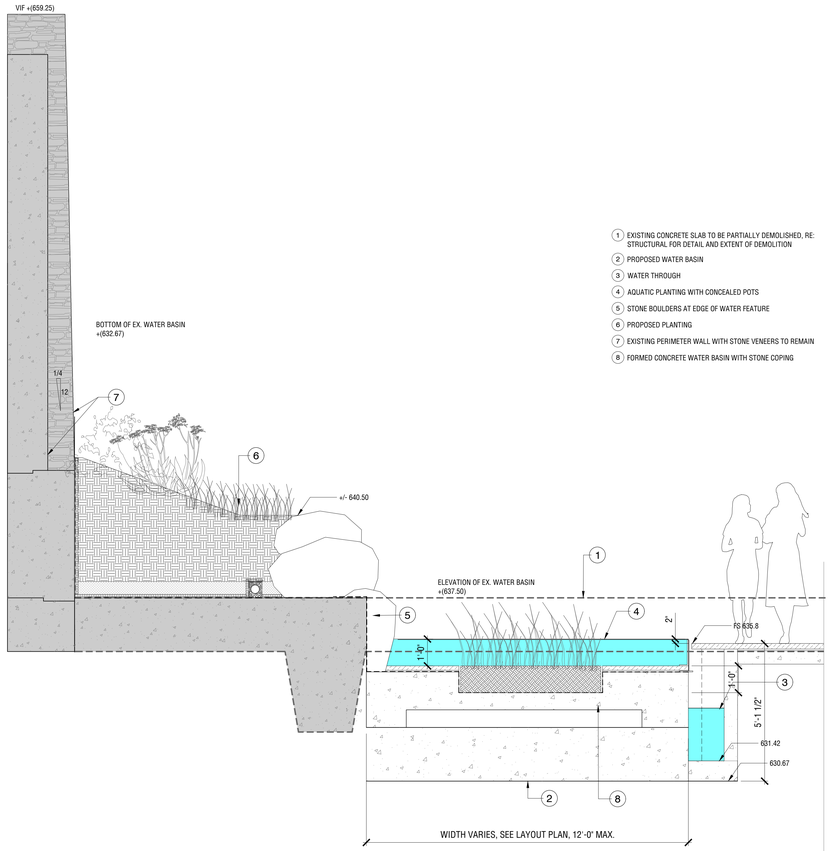
6/4/2024 9:29:45 AM
Plotted By: Grigorios Prt

1 BOULDER, SEE 6/L3.11, TYPICAL, RE: BOULDER SCHEDULE
2 STONE VENEER ON WATER FEATURE BASIN, RE: CONSTRUCTION SCHEDULE.
3 STONE STAIRS, SEE 1/L3.03
4 STONE CHEECK WALL, SEE X/L.XX
5 WATERPROOFING, RE: WATER FEATURE
6 WETLAND SOIL, 18" MIN DEPTH



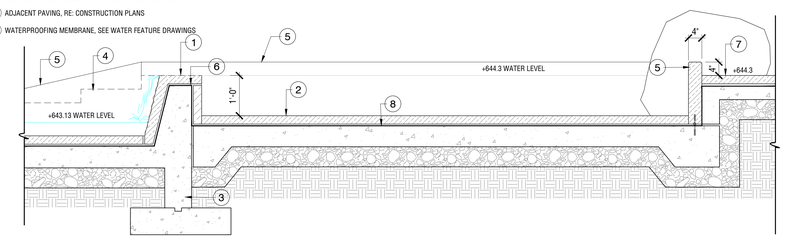
SECTION - LINEAR WATER FEATURE AT STAIRS 03
PP-AL-AMO-S-CS-101
SCALE: 3/4" = 1'-0"

1 EXISTING CONCRETE SLAB TO BE PARTIALLY DEMOLISHED, RE: STRUCTURAL FOR DETAIL AND EXTENT OF DEMOLITION
2 PROPOSED WATER BASIN
3 WATER THROUGH
4 AQUATIC PLANTING WITH CONCEALED POTS
5 STONE BOULDERS AT EDGE OF WATER FEATURE
6 PROPOSED PLANTING
7 EXISTING PERIMETER WALL WITH STONE VENEERS TO REMAIN
8 FORMED CONCRETE WATER BASIN WITH STONE COPING



SECTION - WATER BASIN AT LOWER PASEO SOUTH WALL 04
PP-AL-AMO-S-CS-184
SCALE: 1/2" = 1'-0"

1 STONE WEIR, WITH 1/8" JOINTS, MORTAR TYPE 1, RE: CONSTRUCTION SCHEDULE FOR SIZE AND FINISHES
2 STONE VENEERED WATER BASIN
3 REINFORCED CONCRETE FOOTING, RE: STRUCTURAL DRAWING
4 STAIRS BEYOND
5 STONE CURB AND STONE CHEEK WALL
6 1/2" MORTAR SETTING BED, TYPE 2, RE: WATER FEATURE
7 ADJACENT PAVING, RE: CONSTRUCTION PLANS
8 WATERPROOFING MEMBRANE, SEE WATER FEATURE DRAWINGS



SECTION - WATER FEATURE AT MIDDLE PLAZA 01
PP-AL-AMO-S-CS-102
SCALE: 3/4" = 1'-0"

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Seal / Signature

REGISTERED LANDSCAPE ARCHITECT JAMES D. BURNETT 1485 STATE OF TEXAS
01/05/2024

Date	Description
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ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
CONSTRUCTION DETAILS - WATER FEATURE

Scale

L3.22

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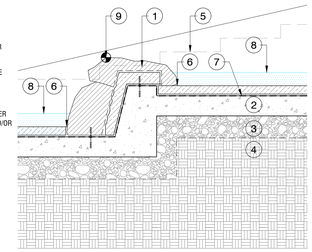
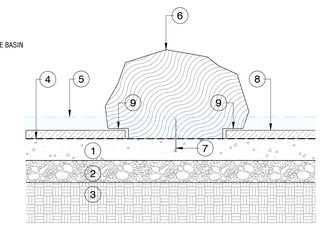
1. STONE WEIR, WITH 1/8" MORTAR FILLED JOINT, RE: CONSTRUCTION SCHEDULE FOR SIZE AND FINISHES
2. WATER FEATURE CONCRETE BASIN, RE: WATER FEATURE CONSULTANT
3. COMPACTED AGGREGATE
4. PREPARED SUBGRADE
5. STAIRS BEYOND
6. 1/2" MORTAR JOINT, TYPE 2, RE: WATER FEATURE
7. WATERPROOFING, SEE WATER FEATURE DRAWINGS
8. TOP OF WATER
9. TOP OF BOULDER ELEVATION, RE: WATER FEATURE CONSULTANT DRAWINGS AND/OR GRADING PLANS



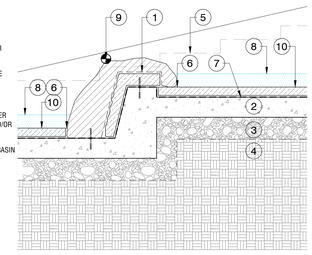
DETAIL - WATER FEATURE BOULDER (DOUBLE) AT WEIR 10

GRAPHIC SCALE: 3/4" = 1'-0" — FP-AL-AMO.3-GS-211

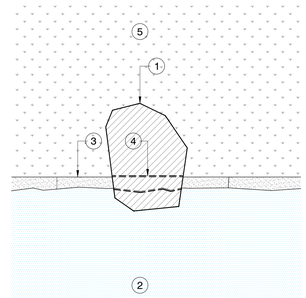
1. REINFORCED CIP CONCRETE FOOTING, RE: STRUCTURAL
2. COMPACTED AGGREGATE
3. PREPARED SUBGRADE
4. WATERPROOFING, SEE WATER FEATURE DRAWINGS
5. TOP OF WATER
6. STONE BOULDER
7. STAINLESS STEEL DOWEL
8. STONE / BOTTOM OF WATER FEATURE BASIN
9. BOULDER NOTCHED AT STONE



1. STONE WEIR, WITH 1/8" MORTAR FILLED JOINT, RE: CONSTRUCTION SCHEDULE FOR SIZE AND FINISHES
2. WATER FEATURE CONCRETE BASIN, RE: WATER FEATURE CONSULTANT
3. COMPACTED AGGREGATE
4. PREPARED SUBGRADE
5. STAIRS BEYOND
6. 1/2" MORTAR JOINT, TYPE 2, RE: WATER FEATURE
7. WATERPROOFING, SEE WATER FEATURE DRAWINGS
8. TOP OF WATER
9. TOP OF BOULDER ELEVATION, RE: WATER FEATURE CONSULTANT DRAWINGS AND/OR GRADING PLANS
10. STONE / BOTTOM OF WATER FEATURE BASIN



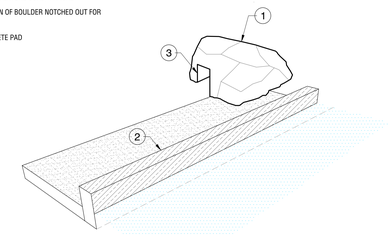
1. STONE BOULDER, RE: CONSTRUCTION SCHEDULE
2. WATER FEATURE BASIN
3. WATER FEATURE CURB, TYPICAL
4. BOULDER NOTCHED AT WEIR
5. PLANTING, RE: PLANTING PLANS



DETAIL - WEIR BOULDER IN WATER FEATURE BASIN, TYPICAL 14

GRAPHIC SCALE: 3/4" = 1'-0" — FP-AL-AMO.4-GS-222

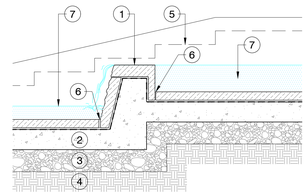
1. STONE BOULDER, RE: CONSTRUCTION PLAN
2. WATER FEATURE CURB, TYPICAL
3. PORTION OF BOULDER NOTCHED OUT FOR CURB
4. CONCRETE PAD



DETAIL - WATER FEATURE BOULDER (SINGLE) AT WEIR 09

GRAPHIC SCALE: 3/4" = 1'-0" — FP-AL-AMO.3-GS-211

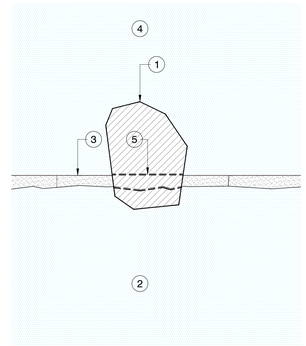
1. STONE WEIR, WITH 1/8" MORTAR FILLED JOINT, RE: CONSTRUCTION SCHEDULE FOR SIZE AND FINISHES
2. WATER FEATURE CONCRETE BASIN, RE: WATER FEATURE CONSULTANT
3. COMPACTED AGGREGATE
4. PREPARED SUBGRADE
5. STAIRS BEYOND
6. 1/2" MORTAR JOINT, TYPE 2, RE: WATER FEATURE
7. STONE / BOTTTOM OF WATER FEATURE BASIN



DETAIL - BOULDER, AT PERIMETER LANDSCAPE / WATER FEATURE 04

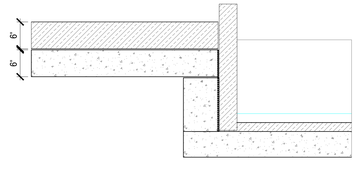
GRAPHIC SCALE: 1" = 1'-0" — FP-AL-AMO.3-GS-215

1. STONE BOULDER, RE: CONSTRUCTION SCHEDULE
2. WATER FEATURE BASIN
3. WATER FEATURE CURB, TYPICAL
4. WATER FEATURE BASIN
5. BOULDER NOTCHED AT WEIR



CHEEKWALL BETWEEN STAIR AND WATER FEATURE 17

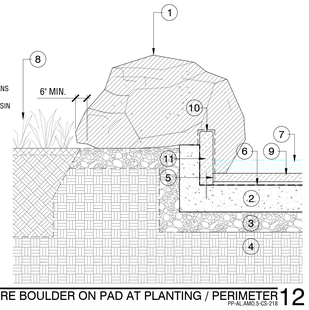
SCALE: 1" = 1'-0" — FP-AL-AMO.3-GS-227



DETAIL - NOTCHED BOULDER AT CURB / WALL, TYPICAL 13

GRAPHIC SCALE: 3/4" = 1'-0" — FP-AL-AMO.3-GS-222

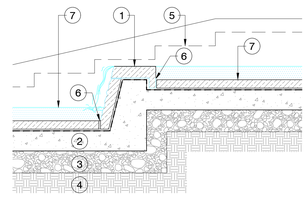
1. STONE BOULDER, RE: CONSTRUCTION SCHEDULE
2. WATER FEATURE CONCRETE BASIN
3. COMPACTED AGGREGATE
4. PREPARED SUBGRADE
5. 1/2" MORTAR JOINT, TYPE 2, RE: WATER FEATURE
6. WATERPROOFING, SEE WATER FEATURE DRAWINGS
7. TOP OF WATER
8. ADJACENT PLANTING, RE: PLANTING PLANS
9. STONE / BOTTOM OF WATER FEATURE BASIN
10. BOULDER NOTCHED AT WATER FEATURE CURB, TYPICAL
11. WATER FEATURE CURB



DETAIL - WATER FEATURE WEIR, DEEPER BASIN CONDITION 08

GRAPHIC SCALE: 3/4" = 1'-0" — FP-AL-AMO.3-GS-224

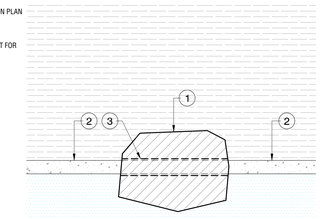
1. STONE WEIR, WITH 1/8" MORTAR FILLED JOINT, RE: CONSTRUCTION SCHEDULE FOR SIZE AND FINISHES
2. WATER FEATURE CONCRETE BASIN, RE: WATER FEATURE CONSULTANT
3. COMPACTED AGGREGATE
4. PREPARED SUBGRADE
5. STAIRS BEYOND
6. 1/2" MORTAR JOINT, TYPE 2, RE: WATER FEATURE
7. STONE / BOTTTOM OF WATER FEATURE BASIN



DETAIL - BOULDER, AT WATER FEATURE WEIR 03

GRAPHIC SCALE: 1/2" = 1'-0" — FP-AL-AMO.3-GS-213

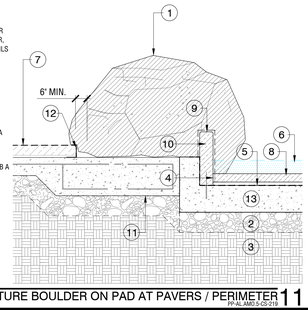
1. STONE BOULDER, RE: CONSTRUCTION PLAN
2. WATER FEATURE CURB, TYPICAL
3. PORTION OF BOULDER NOTCHED OUT FOR CURB



DETAIL - WATER FEATURE BOULDER ON PAD AT PLANTING / PERIMETER 12

GRAPHIC SCALE: 3/4" = 1'-0" — FP-AL-AMO.3-GS-218

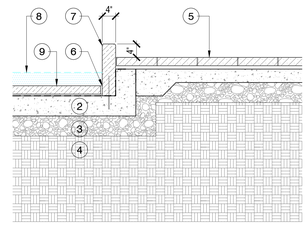
1. STONE BOULDER, RE: CONSTRUCTION SCHEDULE
2. WATER FEATURE CONCRETE BASIN, RE: WATER FEATURE CONSULTANT
3. COMPACTED AGGREGATE
4. PREPARED SUBGRADE
5. TOP OF SLAB ELEVATION TO BE 1" HIGHER THAN TOP OF WATER AND CLOSEST WEIR, RE: WATER FEATURE CONSULTANT DETAILS
6. 1/2" MORTAR JOINT, TYPE 2, RE: WATER FEATURE
7. WATERPROOFING, SEE WATER FEATURE DRAWINGS
8. TOP OF WATER
9. BOULDER TO CANTILEVER OVER WATER A MINIMUM 50 CONCRETE SLAB IS NOT VISIBLE
10. BOULDER TO EXTEND PAST EDGE OF SLAB A MINIMUM 50 CONCRETE SLAB IS NOT VISIBLE
11. CONCRETE SLAB EXTENDS TO SUPPORT BOULDER
12. EDGE CONSTRAINT
13. WATER FEATURE CONCRETE BASIN



DETAIL - WATER FEATURE WEIR, TYPICAL 07

GRAPHIC SCALE: 3/4" = 1'-0" — FP-AL-AMO.3-GS-223

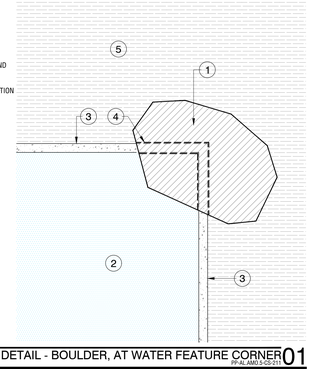
1. STONE WEIR, WITH 1/8" MORTAR FILLED JOINT, RE: CONSTRUCTION SCHEDULE FOR SIZE AND FINISHES
2. WATER FEATURE CONCRETE BASIN, RE: WATER FEATURE CONSULTANT
3. COMPACTED AGGREGATE
4. PREPARED SUBGRADE
5. ADJACENT PAVERS, RE: CONSTRUCTION PLANS
6. 1/2" MORTAR JOINT, TYPE 2, RE: WATER FEATURE
7. WATER FEATURE CURB
8. TOP OF WATER
9. STONE / BOTTTOM OF WATER FEATURE BASIN



DETAIL - NOTCHED BOULDER AT CURB / WALL, TYPICAL 02

GRAPHIC SCALE: 3/4" = 1'-0" — FP-AL-AMO.3-GS-222

1. STONE BOULDER, RE: CONSTRUCTION SCHEDULE
2. WATER FEATURE BASIN
3. WATER FEATURE CURB, TYPICAL
4. PORTION OF BOULDER NOTCHED AROUND CURB
5. ADJACENT HARDSCAPE, RE: CONSTRUCTION PLANS



DETAIL - WATER FEATURE BOULDER ON PAD AT PAVERS / PERIMETER 11

GRAPHIC SCALE: 3/4" = 1'-0" — FP-AL-AMO.3-GS-219

DETAIL - WATER FEATURE PERIMETER 06

GRAPHIC SCALE: 3/4" = 1'-0" — FP-AL-AMO.3-GS-214

DETAIL - BOULDER, AT WATER FEATURE CORNER 01

GRAPHIC SCALE: 1/2" = 1'-0" — FP-AL-AMO.3-GS-212

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Seal / Signature

JAMES D. RUNNELS — 1483 — LICENSED LANDSCAPE ARCHITECT — STATE OF TEXAS

01/05/2024

Date	Description
05/19/2023	50% SCHEMATIC DESIGN
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Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
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Scale

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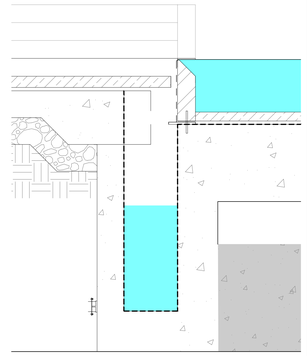
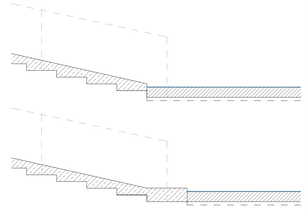
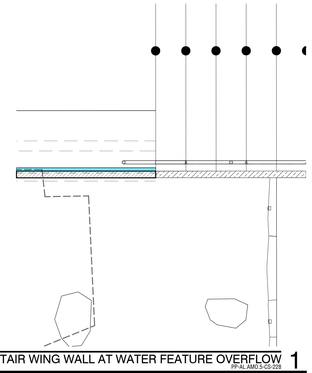


SECTION - WATER FEATURE OVERFLOW 3
GRAPHIC SCALE: 1" = 1'-0"
RP-AL-AM03.2-DS-SW



SECTION - STAIR WING WALL AT WATER FEATURE OVERFLOW 2
GRAPHIC SCALE: 3/8" = 1'-0"
RP-AL-AM03.2-DS-SW



DETAIL - STAIR WING WALL AT WATER FEATURE OVERFLOW 1
GRAPHIC SCALE: 3/8" = 1'-0"
RP-AL-AM03.2-DS-SW

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JAMES D. BURNETT
1402
STATE OF TEXAS
01/05/2024

Date	Description
05/19/2023	50% SCHEMATIC DESIGN
08/10/2023	100% SCHEMATIC DESIGN
09/07/2023	DEMOLITION PACKAGE FOR ARCHAEOLOGICAL PERMIT - WESTERN SCOPE
11/02/2023	100% DESIGN DEVELOPMENT
01/05/2024	AREA 5 DEMOLITION MOBILIZATION
01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
CONSTRUCTION DETAILS - WATER FEATURE

Scale

L3.24

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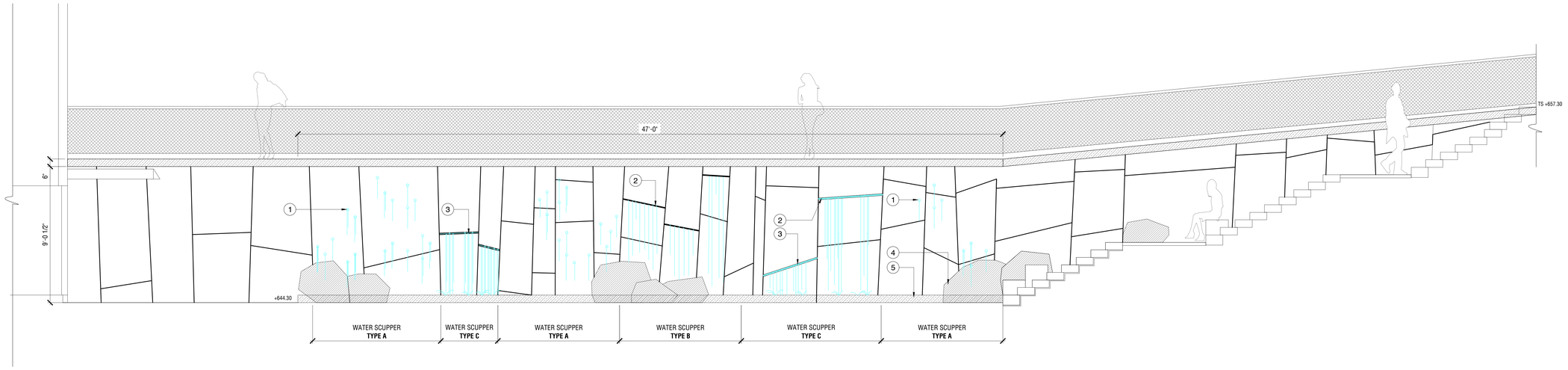
6/4/2024 9:09:45 AM Autodesk Docs://122.0076.000 - Alamo Site/122.0076.500 Phase 5 R22.rvt

1 WATER SCUPPER TYPE A; RE: SCUPPER SCHEDULE
2 WATER SCUPPER TYPE B; RE: SCUPPER SCHEDULE
3 WATER SCUPPER TYPE C; RE: SCUPPER SCHEDULE
4 SPECIMEN BOULDER; RE: BOULDER SCHEDULE
5 STONE CURB; RE:CONSTRUCTION SCHEDULE



0 1' 2'
SCALE: 3/8" = 1'-0"

SECTION - WATER SCUPPER TYPES AT SPRINGWALL 03
PP-AL-AM03-DS-194

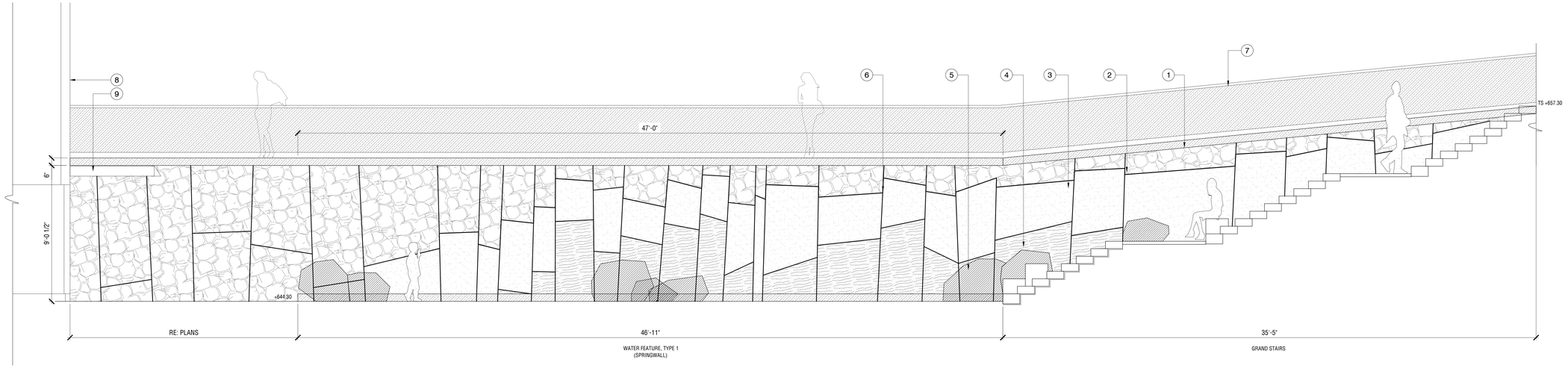
1 STONE COPING; RE: CONSTRUCTION SCHEDULE
2 A SERIES LIMESTONE; RE: CONSTRUCTION SCHEDULE
3 B SERIES LIMESTONE; RE: CONSTRUCTION SCHEDULE
4 C SERIES LIMESTONE; RE: CONSTRUCTION SCHEDULE
5 SPECIMEN BOULDERS; RE: CONSTRUCTION SCHEDULE
6 CUSTOM SCUPPER; RE: WATER FEATURE DRAWINGS
7 GUARDRAIL; RE: CONSTRUCTION SCHEDULE
8 ELEVATOR; RE: ARCH
9 CANOPY; RE: ARCH

NOTES:
A SERIES LIMESTONE:
AREA: 25,000 **SQ FT**

B SERIES LIMESTONE:
AREA: 37,000 **SQ FT**

C SERIES LIMESTONE:
AREA: 14,000 SQ FT

TOTAL AREA: 76,000 SQ FT



0 1' 2'
SCALE: 3/8" = 1'-0"

SECTION - SPRING WALL AT GRAND STAIRS 01
PP-AL-AM03-DS-193

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Seal / Signature

REGISTERED LANDSCAPE ARCHITECT JAMES D. BURNETT 1485 STATE OF TEXAS
01/05/2024

Date	Description
05/19/2023	50% SCHEMATIC DESIGN
08/10/2023	100% SCHEMATIC DESIGN
09/07/2023	DEMOLITION PACKAGE FOR ARCHAEOLOGICAL PERMIT - WESTERN SCOPE
11/02/2023	100% DESIGN DEVELOPMENT
01/05/2024	AREA 5 DEMOLITION MOBILIZATION
01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
CONSTRUCTION DETAILS - SPRING WALL

Scale

L3.25

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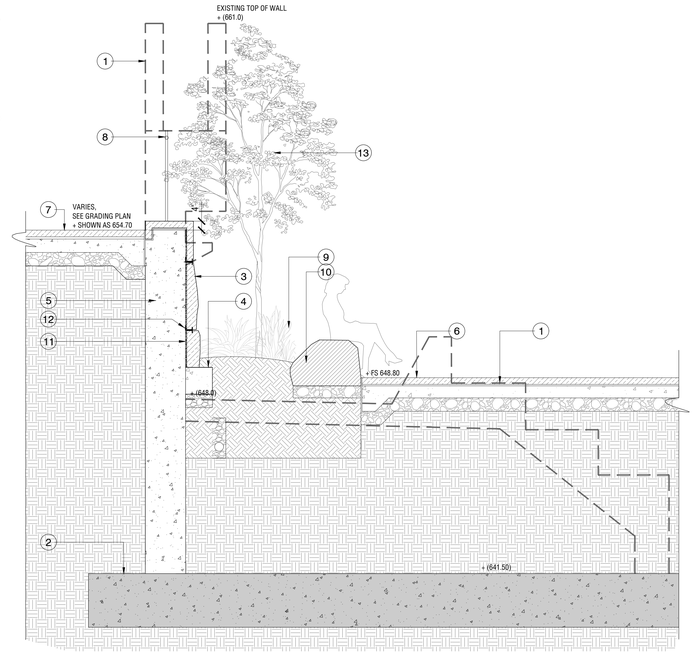
1 EXISTING WALLS TO BE DEMOLISHED, REF CIVIL AND STRUCTURAL DEMO SET
2 EXISTING WALL FOOTING TO REMAIN, RE: STRUCTURAL
3 NATURAL CUT STONE VENEER ON EXISTING WALL, SEE WATER FEATURE MATERIALS SCHEDULE
4 CONCRETE FOOTING FOR STONE VENEER, SEE STRUCTURAL
5 PROPOSED CONCRETE REINFORCED WALL, RE: STRUCTURAL
6 STONE PAVING; RE: CONSTRUCTION PLANS & SCHEDULE
7 PROPOSED PAVING WITH CONCRETE SLAB, TOP OF SLOPED WALKWAY
8 GUARDRAIL; RE: CONSTRUCTION PLANS & SCHEDULE
9 ORNAMENTAL PLANTING; RE: PLANTING PLANS
10 LANDSCAPE BOULDERS; RE: CONSTRUCTION PLANS & SCHEDULE
11 MORTAR SETTING BED
12 STEEL FASTENERS FOR ATTACHING STONE SLABS TO PROPOSED WALL
13 CANOPY TREE, RE: PLANTING PLAN AND SCHEDULE

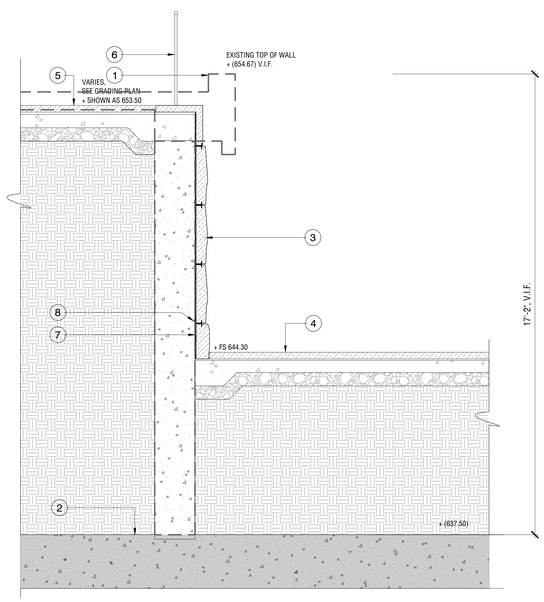


SCALE: 1/2" = 1'-0"

SECTION - ROCKWAL WATER FEATURE, CONDITION 2

03 PP-AL-AMO.5-CS-150

1 EXISTING WALL TO BE DEMOLISHED, REF CIVIL AND STRUCTURAL DEMO SET
2 EXISTING FOOTING TO REMAIN, RE STRUCTURAL
3 NATURAL CUT STONE VENEER ON EXISTING WALL, SEE WATER FEATURE MATERIALS SCHEDULE
4 STONE PAVING; RE: CONSTRUCTION PLANS & SCHEDULE
5 PROPOSED PAVING WITH CONCRETE SLAB, TOP OF SLOPED WALKWAY
6 GUARDRAIL; RE: CONSTRUCTION PLANS & SCHEDULE
7 MORTAR SETTING BED
8 STEEL FASTENERS FOR ATTACHING STONE SLABS TO PROPOSED WALL

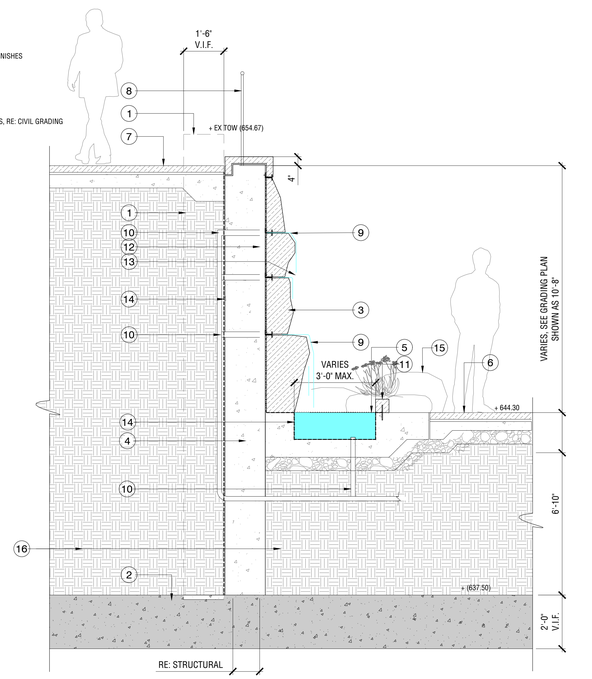


SCALE: 1/2" = 1'-0"

SECTION - ROCKWAL WATER FEATURE ADJACENT TO ELEVATOR

09 PP-AL-AMO.5-CS-155

1 EXISTING WALL TO BE DEMOLISHED, REF CIVIL AND STRUCTURAL DEMO SET
2 EXISTING CONCRETE FOOTING TO REMAIN, RE: STRUCTURAL
3 NATURAL CUT STONE, RE: CONSTRUCTION SCHEDULE FOR STONE TYPE, SIZE AND FINISHES
4 PROPOSED WALL, SEE STRUCTURAL FOR SIZING, FOOTING, AND REINFORCING
5 WATER BASIN WITH WATER RETURN CONNECTIONS BELOW, RE: WATER FEATURE
6 ADJACENT PAVING, SLIP RESISTANT; RE: CONSTRUCTION PLANS & SCHEDULE
7 PROPOSED PAVING AT UPPER PASEO, TOP OF SLOPED WALKWAY ELEVATION VARIES, RE: CIVIL GRADING
8 GUARDRAIL; RE: CONSTRUCTION PLANS & SCHEDULE
9 WATER SPILLWAY, SEE WALL ELEVATION FOR LOCATION AND SIZE
10 PIPE CONNECTIONS, SEE WATER FEATURE DRAWINGS
11 STONE CURB, SEE X/L.X.XX
12 MORTAR SETTING BED
13 STEEL FASTENERS FOR ATTACHING STONE SLABS TO PROPOSED WALL
14 WATERPROOFING, SEE WATER FEATURE PACKAGE
15 LANDSCAPE BOULDERS BEYOND, SEE /
16 PREPARED SUBGRADE



SCALE: 1/2" = 1'-0"

SECTION - ROCKWAL WATER FEATURE, CONDITION 1

01 PP-AL-AMO.5-CS-151

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Seal / Signature

JAMES D. BURNETT 1403 STATE OF TEXAS LANDSCAPE ARCHITECT
01/05/2024

Date	Description
05/19/2023	50% SCHEMATIC DESIGN
08/10/2023	100% SCHEMATIC DESIGN
09/07/2023	DEMOLITION PACKAGE FOR ARCHAEOLOGICAL PERMIT - WESTERN SCOPE
11/02/2023	100% DESIGN DEVELOPMENT
01/05/2024	AREA 5 DEMOLITION MOBILIZATION
01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name

ALAMO SITE: AREA 5 - LOWER PASEO

Project Number

122.0076.500

Description

CONSTRUCTION DETAILS - SPRING WALL

Scale

L3.26

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8/4/2024 4:59:45 AM Autodesk Docs://122.0076.000_Alamo Site/122.0076.500 Phase 5 R22.rvt
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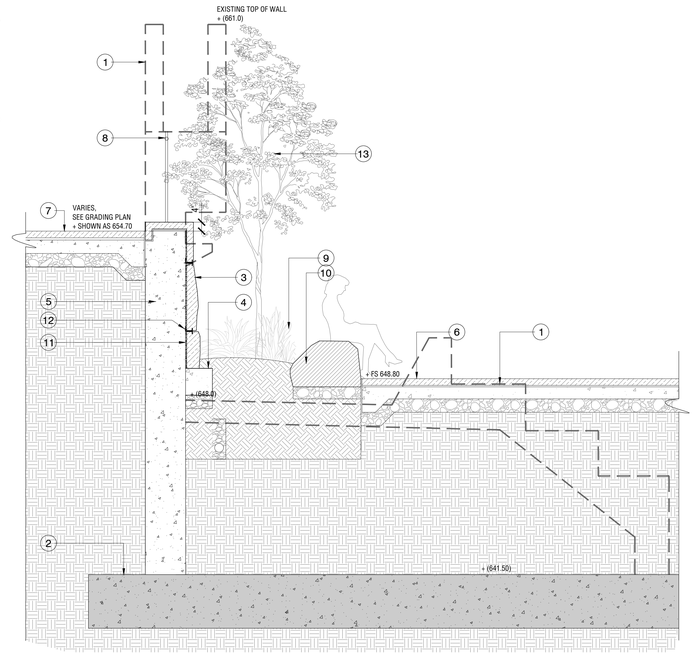
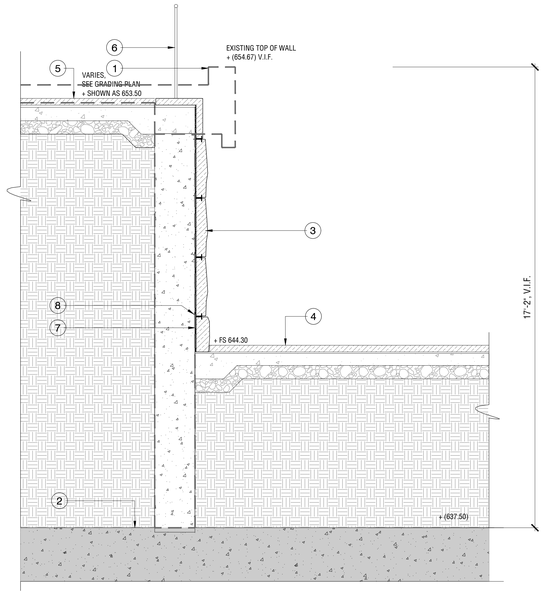
1. EXISTING WALLS TO BE DEMOLISHED, REF CIVIL AND STRUCTURAL DEMO SET
2. EXISTING WALL FOOTING TO REMAIN, RE: STRUCTURAL
3. NATURAL CUT STONE VENEER ON EXISTING WALL, SEE WATER FEATURE MATERIALS SCHEDULE
4. CONCRETE FOOTING FOR STONE VENEER, SEE STRUCTURAL
5. PROPOSED CONCRETE REINFORCED WALL, RE: STRUCTURAL
6. STONE PAVING; RE: CONSTRUCTION PLANS & SCHEDULE
7. PROPOSED PAVING WITH CONCRETE SLAB, TOP OF SLOPED WALKWAY
8. GUARDRAIL; RE: CONSTRUCTION PLANS & SCHEDULE
9. ORNAMENTAL PLANTING; RE: PLANTING PLANS
10. LANDSCAPE BOULDERS; RE: CONSTRUCTION PLANS & SCHEDULE
11. MORTAR SETTING BED
12. STEEL FASTENERS FOR ATTACHING STONE SLABS TO PROPOSED WALL
13. CANOPY TREE, RE: PLANTING PLAN AND SCHEDULE



SECTION - ROCKWAL WATER FEATURE, CONDITION 2 03
PP-AL AMO.5-CS-101

SCALE: 1/2" = 1'-0"

1. EXISTING WALL TO BE DEMOLISHED, REF CIVIL AND STRUCTURAL DEMO SET
2. EXISTING FOOTING TO REMAIN, RE STRUCTURAL
3. NATURAL CUT STONE VENEER ON EXISTING WALL, SEE WATER FEATURE MATERIALS SCHEDULE
4. STONE PAVING; RE: CONSTRUCTION PLANS & SCHEDULE
5. PROPOSED PAVING WITH CONCRETE SLAB, TOP OF SLOPED WALKWAY
6. GUARDRAIL; RE: CONSTRUCTION PLANS & SCHEDULE
7. MORTAR SETTING BED
8. STEEL FASTENERS FOR ATTACHING STONE SLABS TO PROPOSED WALL



SECTION - ROCKWAL WATER FEATURE ADJACENT TO ELEVATOR 09
PP-AL AMO.5-CS-100

SCALE: 1/2" = 1'-0"

1. EXISTING WALL TO BE DEMOLISHED, REF CIVIL AND STRUCTURAL DEMO SET
2. EXISTING CONCRETE FOOTING TO REMAIN, RE: STRUCTURAL
3. NATURAL CUT STONE, RE: CONSTRUCTION SCHEDULE FOR STONE TYPE, SIZE AND FINISHES
4. PROPOSED WALL, SEE STRUCTURAL FOR SIZING, FOOTING, AND REINFORCING
5. WATER BASIN WITH WATER RETURN CONNECTIONS BELOW, RE: WATER FEATURE
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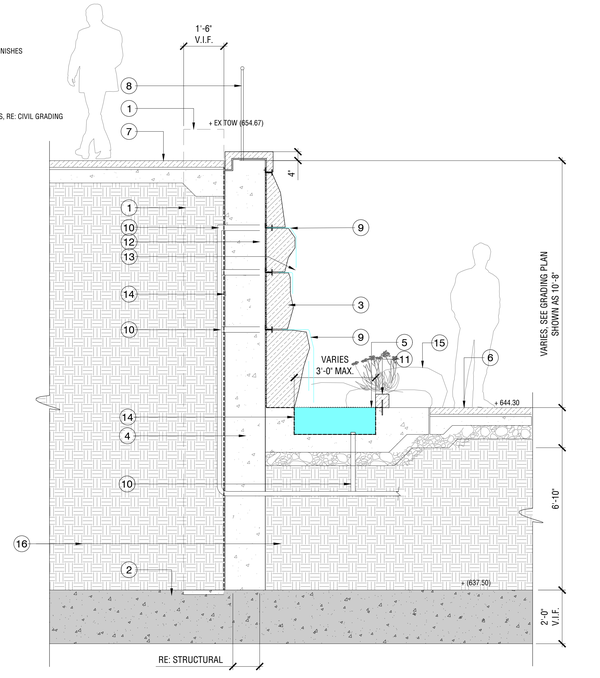
8. GUARDRAIL; RE: CONSTRUCTION PLANS & SCHEDULE
9. WATER SPILLWAY, SEE WALL ELEVATION FOR LOCATION AND SIZE
10. PIPE CONNECTIONS, SEE WATER FEATURE DRAWINGS
11. STONE CURB, SEE X\LX.XX
12. MORTAR SETTING BED
13. STEEL FASTENERS FOR ATTACHING STONE SLABS TO PROPOSED WALL
14. WATERPROOFING, SEE WATER FEATURE PACKAGE
15. LANDSCAPE BOULDERS BEYOND, SEE /
16. PREPARED SUBGRADE



SECTION - ROCKWAL WATER FEATURE, CONDITION 1 01
PP-AL AMO.5-CS-100

SCALE: 1/2" = 1'-0"

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LICENSED LANDSCAPE ARCHITECT
JAMES D. BURNETT
1485
STATE OF TEXAS

01/05/2024

△	Date	Description
	05/19/2023	50% SCHEMATIC DESIGN
	08/10/2023	100% SCHEMATIC DESIGN
	09/07/2023	DEMOLITION PACKAGE FOR ARCHAEOLOGICAL PERMIT - WESTERN SCOPE
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	01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
	06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name

ALAMO SITE: AREA 5 - LOWER PASEO

Project Number

122.0076.500

Description

CONSTRUCTION DETAILS - SPRING WALL

Scale

L3.26

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Sheet Set: AL-AMO-5
Layout: L3.27
Version: June 06, 2024 02:17:21pm
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SOIL LEGEND

HATCH	CODE	DESCRIPTION
	ST-01	NOT USED FOR THIS PHASE
	ST-02	IMPORTED PLANTING SOIL; 42" MIN. DEPTH. FOR SLOPED AREA INCLUDE SLOPE STABILIZATION MATERIALS
	ST-03	NOT USED FOR THIS PHASE
	ST-04	IMPORTED PLANTING SOIL; 24" MIN. DEPTH
	ST-05	IMPORTED PLANTING SOIL AT SOIL CELLS; 43" DEPTH
	ST-06	NOT USED FOR THIS PHASE
	ST-07	BIO-RETENTION SOIL, 60" MIN. DEPTH
	ST-08	LIGHTWEIGHT PLANTING SOIL, 36" DEPTH
		ROOTBALL LOCATION PER PLANTING PLANS
		ROOT BARRIER, RE: SPECIFICATION 32 93 00
		UNDERDRAIN, RE: CIVIL
		CLEANOUT, RE: CIVIL FOR CONNECTION

NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF SOILS AS INDICATED ON THE PLANS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING WATERPROOFING, PROTECTION BOARD AND ALL APPURTENANCES. PLAN PROVIDED FOR REFERENCE.
3. PRIOR TO SOIL INSTALLATION, CONTRACTOR SHALL HAVE A PRE-INSTALLATION MEETING WITH THE OWNER AND LANDSCAPE ARCHITECT TO DETERMINE SCOPE OF WORK AND PROJECT LIMITS.
4. CONTRACTOR TO REFER TO SPECIFICATION SECTION 32 91 15 FOR ADDITIONAL INFORMATION.
5. CONTRACTOR TO PROVIDE SHOP DRAWINGS CONFIRMING SOIL AND WATERPROOFING HEIGHTS AT SW-01 SITE WALLS FOR LANDSCAPE ARCHITECT REVIEW AND APPROVAL PRIOR TO INSTALL. VERIFY IN FIELD SOIL AND WATERPROOFING HEIGHTS WITH LANDSCAPE ARCHITECT, TYPICAL.
6. FOR SOILS LESS THAN 6% ORGANIC MATTER IN THE TOP 6 INCHES OF SOIL, COMPOST AT A RATE OF A MINIMUM OF FOUR CUBIC YARDS PER 1,000 SQUARE FEET OF PERMEABLE AREA SHALL BE INCORPORATED TO A DEPTH OF SIX INCHES INTO THE SOIL.
7. ROOT BARRIER SHALL BE INSTALLED PER LOCATIONS SHOWN ON DRAWINGS & WHEN TREE TRUNK IS WITHIN 10' OF BUILDINGS, WALLS, UTILITIES, OR REQUIRED BY THE CITY.

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JAMES D. BURNETT 1482 STATE OF TEXAS REGISTERED LANDSCAPE ARCHITECT
01/05/2024

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01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
SOILS PLANS - LOWER LEVEL

Scale
1" = 10'-0"

L4.01

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Sheet Set: AC_AMO-S
Layout: L4.01 SOILS PLANS - LOWER LEVEL
Version: June 05, 2024 08:24:56pm
Stored: T:\AC_AMO-Alamo Visitor Center\AC_AMO-SHEETS\AC_AMO-S\AC_AMO-PHS1-L4-SOILS PLANS.dwg
6/4/2024 5:09:45 AM
Plotted by: Antonios Wolker

SOIL LEGEND

HATCH	CODE	DESCRIPTION
	ST-01	NOT USED FOR THIS PHASE
	ST-02	IMPORTED PLANTING SOIL; 42" MIN. DEPTH. FOR SLOPED AREA INCLUDE SLOPE STABILIZATION MATERIALS
	ST-03	NOT USED FOR THIS PHASE
	ST-04	IMPORTED PLANTING SOIL; 24" MIN. DEPTH
	ST-05	IMPORTED PLANTING SOIL AT SOIL CELLS; 43" DEPTH
	ST-06	NOT USED FOR THIS PHASE
	ST-07	BIO-RETENTION SOIL, 60" MIN. DEPTH
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		ROOTBALL LOCATION PER PLANTING PLANS
		ROOT BARRIER, RE: SPECIFICATION 32 93 00
		UNDERDRAIN, RE: CIVIL
		CLEANOUT, RE: CIVIL FOR CONNECTION

NOTES

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4. CONTRACTOR TO REFER TO SPECIFICATION SECTION 32 91 15 FOR ADDITIONAL INFORMATION.
5. CONTRACTOR TO PROVIDE SHOP DRAWINGS CONFIRMING SOIL AND WATERPROOFING HEIGHTS AT SW-01 SITE WALLS FOR LANDSCAPE ARCHITECT REVIEW AND APPROVAL PRIOR TO INSTALL. VERIFY IN FIELD SOIL AND WATERPROOFING HEIGHTS WITH LANDSCAPE ARCHITECT, TYPICAL.
6. FOR SOILS LESS THAN 6% ORGANIC MATTER IN THE TOP 6 INCHES OF SOIL, COMPOST AT A RATE OF A MINIMUM OF FOUR CUBIC YARDS PER 1,000 SQUARE FEET OF PERMEABLE AREA SHALL BE INCORPORATED TO A DEPTH OF SIX INCHES INTO THE SOIL.
7. ROOT BARRIER SHALL BE INSTALLED PER LOCATIONS SHOWN ON DRAWINGS & WHEN TREE TRUNK IS WITHIN 10' OF BUILDINGS, WALLS, UTILITIES, OR REQUIRED BY THE CITY.

ALAMO TRUST INC.
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San Antonio, TX 78205

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Tel 210.222.8059

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Development Manager
MGAC
730 11th St NW
Washington, DC 20001
Tel 512.828.7434

Seal / Signature

01/05/2024

Date	Description
05/19/2023	50% SCHEMATIC DESIGN
08/10/2023	100% SCHEMATIC DESIGN
09/07/2023	DEMOLITION PACKAGE FOR ARCHAEOLOGICAL PERMIT - WESTERN SCOPE
11/02/2023	100% DESIGN DEVELOPMENT
01/05/2024	AREA 5 DEMOLITION MOBILIZATION
01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
SOILS PLANS - UPPER LEVEL

Scale
1" = 10'-0"

L4.02

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Autodesk Docs://122.0076.000 - Alamo Site/122.0076.500 Phase 5 SD22.rvt
Sheet Set: AL - AMD - 5
Layout: L4.02 SOILS PLANS - UPPER LEVEL Version: June 05, 2024 08:28:03pm Stored: T:\AL-AMD-Alamo Visitor Center\AL-AMD-SHEETS\AL-AMD-5\AL-AMD-PHS-L4-SOILS PLANS.dwg
6/4/2024 9:59:45 AM
Plotted by: Alfonso Wolker

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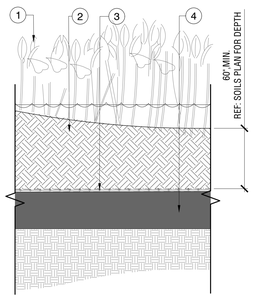
JAMES D. BURNETT 1485 STATE OF TEXAS
01/05/2024

Date	Description
05/19/2023	50% SCHEMATIC DESIGN
08/10/2023	100% SCHEMATIC DESIGN
09/07/2023	DEMOLITION PACKAGE FOR ARCHAEOLOGICAL PERMIT - WESTERN SCOPE
11/02/2023	100% DESIGN DEVELOPMENT
01/05/2024	AREA 5 DEMOLITION MOBILIZATION
01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
06/13/2024	50% CONSTRUCTION DOCUMENTS

1. PLANTING -RE: PLANTING PLANS
2. WETLAND/BIORETENTION SOIL -RE: SOILS SPEC
3. WETLAND LINEAR -RE:SOILS SPEC
4. EXISTING CONCRETE SLAB TO REMAIN, RE: STRUCTURAL

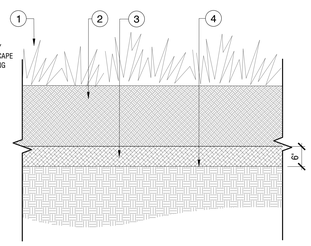
NOTE:
1. CONTRACTOR TO PROVIDE SOIL PROFILE MOCK-UP FOR REVIEW BY THE SOILS ENGINEER AND LANDSCAPE ARCHITECT PRIOR TO COMMENCING WORK. REFERENCE SPEC 329115, PLANTING SOILS PRIOR TO COMMENCING WORK.



SCALE: 3/4" = 1'-0" — SECTION - WETLAND/BIORETENTION PLANTING SOIL 02
PP-AL.AMO.5-PL.21

1. PLANTING -RE: PLANTING PLANS
2. ST-04 PLANTING BED SOIL -RE: SOILS SPEC
3. HORTICULTURAL SUBSOIL -RE:SOILS SPEC
4. PREPARED SUBGRADE; TILLED 2" MIN.; RE: SPECIFICATIONS

NOTE:
1. CONTRACTOR TO PROVIDE SOIL PROFILE MOCK-UP FOR REVIEW BY THE SOILS ENGINEER AND LANDSCAPE ARCHITECT PRIOR TO COMMENCING WORK. REFERENCE SPEC 329115, PLANTING SOILS PRIOR TO COMMENCING WORK.



SCALE: 3/4" = 1'-0" — SECTION - ORNAMENTAL PLANTING SOIL (ST-04) 01
PP-LA.ZAB-PL.01

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
SOILS DETAILS

Scale
AS SHOWN

L4.50

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6/4/2024 9:59:45 AM
Plotted By: Alfonso Wolker
Autodesk Docs://122.0076.000 - Alamo Site/122.0076.500 Project 5.RCT_r24_Sheet Set: AL_AMO-5 Layout: L4.50 SOILS DETAILS Version: June 05, 2024 08:29:14pm Stored: I:\AL-AMO-Alamo Visitor Center\AL-AMO-SHEETS\AL-AMO-51\AL-AMO-PHS-L4-SOILS PLANS.dwg

IRRIGATION NOTES

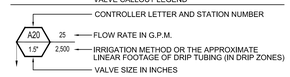
1. ALL LOCAL MUNICIPAL AND STATE LAWS, RULES AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR.
2. THE LANDSCAPE IRRIGATION CONTRACTOR ("CONTRACTOR") SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES AND SERVICES SHOWN IN THESE PLANS ARE APPROXIMATE ONLY. ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE.
3. THE CONTRACTOR SHALL OBTAIN THE PERTINENT ENGINEERING OR ARCHITECTURAL PLANS BEFORE BEGINNING WORK.
4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM THE WORK INDICATED HEREIN BEFORE BEGINNING WORK.
5. THIS DESIGN IS DIAGRAMMATIC. ANY EQUIPMENT SHOWN IN PAVED AREAS IS FOR DESIGN CLARITY ONLY AND IS TO BE INSTALLED WITHIN PLANTING AREAS.
6. THE CONTRACTOR SHALL MARK PROPOSED INSTALLATION LOCATION OF THE FOLLOWING MATERIALS FOR APPROVAL BY OWNER'S AUTHORIZED REPRESENTATIVE: REMOTE CONTROL VALVE AND BOXES, QUICK COUPLER VALVE AND BOXES.
7. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL ANY EQUIPMENT AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN CONDITIONS EXIST THAT WERE NOT EVIDENT AT THE TIME THESE PLANS WERE PREPARED. ANY SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO ANY WORK OR THE IRRIGATION CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY FIELD CHANGES DEEMED NECESSARY BY THE OWNER.
8. INSTALL ALL EQUIPMENT AS SHOWN IN THE DETAILS AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH LOCAL CITY, COUNTY AND STATE REQUIREMENTS FOR BOTH EQUIPMENT AND INSTALLATION.
9. ALL PIPE UNDER PAVED AREAS TO BE INSTALLED IN SLEEVING TWICE THE DIAMETER OF THE PIPE CARRIED. SEE LEGEND FOR TYPE. ALL WIRE UNDER PAVED AREAS TO BE INSTALLED IN A SCH. 40 SLEEVE THE SIZE REQUIRED TO EASILY PULL WIRE THROUGH. ALL SLEEVES TO BE INSTALLED WITH A MINIMUM DEPTH AS SHOWN ON THE SLEEVING DETAILS. SLEEVES TO EXTEND AT LEAST 12" PAST THE EDGE OF THE PAVING.
10. ALL QUICK COUPLER AND REMOTE CONTROL VALVES ARE TO BE INSTALLED IN SHRUB OR GROUNDCOVER AREAS WHERE POSSIBLE. ALL QUICK COUPLER VALVE AND REMOTE CONTROL VALVES ARE TO BE INSTALLED AS SHOWN ON THE INSTALLATION DETAILS. INSTALL ALL QUICK COUPLER AND REMOTE CONTROL VALVES WITHIN 18" OF HARDSCAPE. 24" BOXES SHALL BE SET A MIN. OF 24" APART AND FROM OTHER STRUCTURES. REFER TO PLAN SHEET NOTE "F" REGARDING EQUIPMENT LOCATION SHOP DRAWINGS.
11. CONTRACTOR SHALL INSTALL ADDITIONAL CHECK VALVES TO HEADS AND LATERALS AS REQUIRED TO PREVENT LOW HEAD DRAINAGE.
12. THE CONTRACTOR SHALL USE PROPER GROUNDING TECHNIQUES FOR GROUNDING THE CONTROLLER AND RELATED EQUIPMENT PER MANUFACTURERS SPECIFICATIONS, SWEENEY AND ASSOCIATES RECOMMENDS MEASURING FOR PROPER GROUND AT LEAST ONCE ANNUALLY, AND NECESSARY ADJUSTMENTS MADE TO COMPLY WITH MANUFACTURER SPECIFICATIONS.
13. THE CONTRACTOR IS REQUIRED TO CONTACT DIGALERT OR 811 A MINIMUM OF TWO (2) DAYS PRIOR TO THE START OF ANY EXCAVATIONS ON THE PROJECT AND SPECIFICALLY PRIOR TO THE INSTALLATION OF ANY GROUNDING RODS. DIAL 811 OR LOG ONTO WWW.DIGALERT.ORG TO START A PROJECT TICKET. DIGALERT AND 811 IS A FREE SERVICE PROVIDED TO THE PROJECT. FAILURE TO CONTACT AND HAVE THE EXISTING UTILITIES IDENTIFIED, LOCATED AND MARKED SHALL MAKE THE CONTRACTOR SOLELY RESPONSIBLE FOR ANY AND ALL DAMAGES.

IRRIGATION MATERIAL LEGEND

SYMBOL	MANUFACTURER	MODEL NO. / DESCRIPTION	FLOW RATE (GPM)	PSI	RADIUS	PR. RATE	DETAIL
▽	RAIN BIRD	RWS-M-B-C-1401/RWS-GRATE-P SERIES ROOT WATERING SYSTEM. WITH "MINI" 18" SEMI-RIGID MESH TUBE, 0.25 GPM BUBBLER HEAD, CHECK VALVE AND SPIRAL BARB ELBOW WITH 1/2" M NPT INLET. CONNECT TO SERVICE LATERAL USING SPX-FLEX SWING PIPE AND A SBE-075 3/4" MPT x 1/2" BARB ELBOW CONNECTED TO A 3/4" SxT ELBOW OR TEE FITTING. EACH PROPOSED TREE SHALL RECEIVE TWO ROOT WATERING SYSTEMS, INSTALLED ON OPPOSITE SIDES OF THE ROOT BALL.	.25 (.50 TOTAL)	30	N/A	N/A	A
	RAIN BIRD	SUB-SURFACE DRIP TUBING AS DESCRIBED BELOW: XFSP-06-12 SUBSURFACE DRIP TUBING (PURPLE OVER BLACK) WITH 0.60 GPH PRESSURE COMPENSATING EMITTERS INTERNALLY INSTALLED IN THE DRIP TUBING AT 12" O.C. SPACING. DRIP TUBING SHALL BE EQUIPPED WITH COPPER CHIP TECHNOLOGY TO PREVENT ROOT INTRUSION INTO THE DRIP EMITTER. DRIP TUBING SHALL BE INSTALLED 2" BELOW FINISHED SOIL GRADE (NOT COUNTING MULCH) AND IN PARALLEL ROWS A MAXIMUM OF 16" ON CENTER. THE PERIMETER ROW OF DRIP TUBING SHALL BE INSTALLED A MAXIMUM OF 4" FROM THE EDGE OF ANY HARDSCAPE OR TURF EDGE. ALL SUBSEQUENT INTERIOR ROWS SHALL BE ADJUSTED TO PROVIDE AN EVEN SPACING ACROSS THE PLANTER WITHOUT EXCEEDING 16" MAXIMUM SPACING. INSTALL 9" PVC COATED GALVANIZED TUBING STAKES A MAXIMUM OF FIVE (5) FEET ON CENTER ALONG THE LENGTH OF THE TUBING. TUBING STAKES SHALL BE MODEL #GDTS140900 AS MANUFACTURED BY GPH IRRIGATION PRODUCTS (866) 582-9684. THE HATCH PATTERN SYMBOLS ON THE PLANS REPRESENT THE APPROXIMATE DIRECTION AND SPACING OF THE DRIP TUBING ROWS, SEE ACTUAL SPACING REQUIREMENTS ABOVE AND IN DETAILS.	0.53 GPH / EMITTER	30	N/A	0.70 IN./HR.	C
NO SYMBOL	RAIN BIRD	CONNECTION BETWEEN XFS DRIP TUBING AND PVC SUPPLY AND DISCHARGE HEADERS SHALL BE MADE USING XF DRIP LINE BARBED FITTINGS, SCH. 40 PVC THREADED FITTINGS, SCH. 80 NIPPLES AND FLEXIBLE NIPPLES. WHEN THE CONNECTION IS AT THE END RUN OF THE TUBING USE A 1/2" SCH. 40 PVC THREADED 90° ELBOW, A 1/2" X LENGTH AS REQUIRED SCH. 80 PVC THREADED NIPPLE, A 1/2" X 6" MIPT X FIPT FLEXIBLE NIPPLE, AND A XFF-MA-050 17mm BARB X 1/2" MIPT ADAPTER FITTING. WHEN THE CONNECTION IS IN THE MIDDLE OF THE TUBING RUN USE A 1/2" SCH. 40 PVC THREADED TEE FITTING, A 1/2" X LENGTH AS REQUIRED SCH. 80 PVC THREADED NIPPLE, A 1/2" X 6" MIPT X FIPT FLEXIBLE NIPPLE, AND TWO (2) XFF-MA-050 17mm BARB X 1/2" MIPT ADAPTERS. ALL END RUNS OF TUBING SHALL BE CONNECTED WITH A PVC DISCHARGE HEADER. FLEXIBLE NIPPLES SHALL BE MODEL #GFN050600 AS MANUFACTURED BY GPH IRRIGATION PRODUCTS (866) 582-9684.					C,D
NO SYMBOL	RAIN BIRD	XF SERIES 17mm BARBED FITTINGS FOR ALL CONNECTIONS BETWEEN DRIP TUBING (TUBING-TO-TUBING ONLY). ALL BARBED DRIP TUBING FITTINGS SHALL BE INSTALLED USING A FITINS-TOOL FOR PROPER INSERTION OF THE FITTING INTO THE TUBING. NO HEATING OF TUBING SHALL BE ALLOWED.					N/A
— — — —	AS APPROVED	PVC SUPPLY AND DISCHARGE HEADERS SHALL BE PURPLE PVC LATERAL LINE PIPE (AS SHOWN BELOW), 1 1/4" MINIMUM SIZE WITH SCH. 40 PVC FITTINGS.					C,D,Q
Ⓕ	GPH IRRIGATION / RAIN BIRD	GDFN-R DRIP FLUSH / INDICATOR NOZZLE, PURPLE IN COLOR, INSTALLED ONTO A RAIN BIRD 1812 12" POP-UP SPRINKLER BODY (NO PRS DEVICE). THE FLUSH NOZZLE SHALL BE CLOSED FOR NORMAL OPERATION OF THE DRIP SYSTEM.					C,E
C	BASELINE	BL-3200,P,CM,BL-CLOUD-L,TE-AT-X SERIES BASESTATION WITH METAL STANDARD STAINLESS STEEL PEDESTAL ENCLOSURE AND CELLULAR COMMUNICATIONS MODULE. GROUND THE CONTROLLER AS RECOMMENDED BY THE MANUFACTURER. THE CONTRACTOR SHALL REGISTER THE CONTROLLER AND FULLY PROGRAM THE CONTROLLER FOR AUTOMATIC PROGRAM / SCHEDULE ADJUSTMENT WITH THE INSTALLED MOISTURE SENSOR HYDROZONES.					T
NO SYMBOL	BASELINE	GROUNDING PLATES AND BL-LA01 LIGHTNING ARRESTORS SHALL BE INSTALLED AT 600 FOOT INTERVALS ALONG THE ENTIRE TWO-WIRE PATH AND ON THE END OF EVERY CABLE SPUR THAT EXCEEDS 50 FEET. PLATES SHALL BE PLACED WITH THE LONGEST END ALIGNED PERPENDICULAR TO THE WIRE PATH. A 10" ROUND VALVE BOX SHALL BE PLACED OVER THE GROUND PLATE CONNECTION FOR USE IN TESTING. SURGE PROTECTION SHALL BE AS RECOMMENDED BY THE MANUFACTURER TO INSURE WARRANTY PROTECTION.					N,O,P
R	BASELINE	TIPPING RAIN BUCKET RAIN GAUGE, MAST MOUNT TO SIDE OF WALL IN AN AREA FREE OF OVERHEAD OBSTRUCTION. VERIFY INSTALLATION LOCATION WITH ARCHITECT. RAIN GAUGE SHALL BE CONNECTED TO RAIN BUCKET DECODER PROVIDED AS PART OF KIT AND WIRED TO THE TWO-WIRE CABLE PATH.					N/A
E	N/A	120 VOLT ELECTRICAL POWER FOR CONTROLLER, PROVIDED BY ELECTRICIAN, VERIFY ACTUAL LOCATION IN FIELD					N/A
S	BASELINE	BL-5315B SERIES SOIL MOISTURE SENSOR. INSTALL WITHIN PLANT HYDROZONE AND WIRE TO TWO-WIRE DECODER CABLE. LOCATE SENSOR MAXIMUM 45 FEET FROM THE TWO-WIRE CABLE. SENSORS SHALL BE INSTALLED IN THE TOP THIRD OF THE SUPPORTED ROOT ZONE. MAKE WIRE SPLICES WITHIN A 10" ROUND VALVE BOX.					N/A
B	SPEARS	1-1/2" PVC UTILITY SWING CHECK VALVE INSTALLED UPSTREAM OF INJECTOR COUPLING. INSTALL WITH HDPE x PVC TRANSITION FITTING AND EZ-FLO CBV-150 COUPLING CONNECTION BALL VALVE. SET IN A RECTANGULAR VALVE BOX.					F
N	EZ-FLO	MAIN-LINE SERIES 2.5 GALLON FERTILIZER INJECTOR TANK. SET IN VALVE BOX AND CONNECT 1/4" DISTRIBUTION TUBING TO COUPLING CONNECTION.					G
V	RAIN BIRD	100-PESBR PLASTIC MASTER CONTROL VALVE WITH RECTANGULAR VALVE BOX. INSTALL WITH BL-5201 SINGLE STATION biCODER AND CONNECT TO TWO-WIRE CABLE PATH.					H
F	HYDROPOINT / BASELINE	PFS-100 FLOW SENSOR WITH 1" PVC TEE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. INSTALL WITH BL-5308 FLOW SENSOR biCODER AND CONNECT TO THE TWO-WIRE CABLE PATH.					I
⋈	KENNEDY VALVE	RESILIENT SEATED DUCTILE IRON GATE VALVE WITH DIRECT WELD HDPE CONNECTIONS, LINE SIZE PER MAINLINE. INSTALL WITH 6" DIA. PVC ACCESS SLEEVE AND PLASTIC VALVE CAP.					J
◉	RAIN BIRD	#7 1-1/2" QUICK COUPLER WITH LASCO G33S-212 SWING JOINT AND 2" SHUT-OFF VALVE. INSTALL INSIDE A STANDARD RECTANGULAR VALVE BOX WITH PURPLE LID. PROVIDE TWO VALVE 7-K KEYS AND TWO SH-3 HOSE SWIVEL AS TURNOVER ITEMS TO OWNER.					K
●	RAIN BIRD	PESB-100 PLASTIC REMOTE CONTROL VALVE (RCV), 1" SIZE, WITH OPTIONAL PEB-NP-HAN(2) PURPLE FLOW CONTROL HANDLE. INSTALL WITH BASELINE BL-5201 SINGLE STATION biCODER. SET THE RCV INSIDE A STANDARD RECTANGULAR VALVE BOX.					L
⚽	RAIN BIRD	FIELD ASSEMBLED DRIP CONTROL KIT, CONSISTING OF A 100-PESB-PRS-D VALVE WITH LCRBY100D 1" DISC FILTER. SET ASSEMBLY IN A JUMBO RECTANGULAR VALVE BOX AND WIRE TO TWO-WIRE PATH VIA BASELINE BL-5201 biCODER.					M
———	AS APPROVED	PURPLE "NON-POTABLE" PVC PIPE 3/4" - 1-1/4" CL. 200, SOLVENT WELD WITH SCH. 40 PVC FITTINGS, AS LATERAL LINES INSTALLED MAXIMUM 12" BELOW FINISHED GRADE TO TOP OF PIPE. ALTERNATE: ALL LATERAL LINES SHALL BE DR 11 HDPE TYPE WITH FUSED CONNECTIONS					Q
— - — - —	AS APPROVED	HDPE IRON PIPE SIZE (IPS) PRESSURE PIPE (PE4710), DR 11 (RATED AT 202 PSI) 2" SIZE, AS MAINLINE PIPE (SEE NOTE BELOW REGARDING PIPING AT MASTER VALVE / FLOW SENSOR ASSEMBLIES). HDPE PIPE SHALL BE BLACK WITH PURPLE STRIPE INDICATING USE OF NON-POTABLE WATER. PIPE MUST BE SET SO THAT STRIPING IS VISIBLE. ALL HDPE PIPE SHALL BE FULLY FUSED USING A MANUFACTURER APPROVED FUSING DEVICE, SEE FUSING AND FITTING REQUIREMENTS BY SIZE BELOW. MAXIMUM INSTALLATION DEPTH IS TO BE 18" BELOW FINISHED GRADE TO TOP OF PIPE. FOR CONTROL VALVE MANIFOLDS THE HDPE PIPING SHALL BE 2" SIZE WITH 2" HDPE RISERS TO THE CONTROL VALVES REGARDLESS OF CONTROL VALVE SIZE. NOTE: IRRIGATION MAINLINE BETWEEN P.O.C. COMPONENTS, I.E. CHECK VALVE(S), MASTER CONTROL VALVES AND FLOW SENSORS SHALL BE PURPLE SCH. 40 PVC, 1" DIA. TO MATCH EQUIPMENT SIZES. PIPE SHALL TRANSITION BACK TO HDPE AFTER THE FLOW SENSOR ASSEMBLY.					Q,R
— — — —	AS APPROVED	PURPLE "NON-POTABLE" PVC PIPE SCH. 40 AS SLEEVING, 2 TIMES THE DIAMETER OF PIPE OR WIRE BUNDLE CARRIED (2" MINIMUM SIZE) INSTALL ALL PIPE AND WIRE UNDER PAVING, HARDSCAPE, ETC. (OR AS DIRECTED BY OWNER'S AUTHORIZED REPRESENTATIVE) INSIDE SLEEVES. SLEEVES UNDER PEDESTRIAN PAVING SHALL BE INSTALLED 24" BELOW FINISHED GRADE. SLEEVES UNDER VEHICULAR PAVING SHALL BE INSTALLED 36" BELOW FINISHED GRADE.					R
NO SYMBOL	AS APPROVED	ALL 2" HDPE MAINLINE AND 2" MANIFOLDS SHALL HAVE SOCKET FUSED HDPE FITTINGS. ALL HDPE MAINLINE AND MANIFOLD PIPE SHALL HAVE 100% FUSED CONNECTIONS.					N/A
NO SYMBOL	LASCO	ALL PVC FITTINGS USED WITH SOLVENT WELD MAINLINE PIPE SHALL BE TYPE SCH. 80, GRAY IN COLOR, AND SIZED TO MATCH THE MAINLINE PIPE. ALL FITTINGS USED WITH SOLVENT WELD LATERAL LINE PIPE SHALL BE SCH. 40 PVC, WHITE IN COLOR, AND SIZED TO MATCH THE LATERAL LINE PIPE. ALL THREADED PVC NIPPLES SHALL BE SCH. 80 PVC PIPE, DARK GRAY IN COLOR, WITH MOLDED THREADS.					N/A
NO SYMBOL	WELD-ON	ALL SOLVENT WELD CONNECTIONS FOR BOTH MAINLINE AND LATERAL LINE SHALL BE MADE USING THE TWO-STEP PROCESS OF PRIMER AND SOLVENT CEMENT. PRIMER SHALL BE P-68 LOW VOC "PURPLE PRIMER". SOLVENT CEMENT SHALL BE 705 LOW VOC, GRAY COLORED "MEDIUM BODIED" CEMENT. USE DAUBERS SIZED AT LEAST ONE-HALF THE SIZE OF THE LARGEST PIPE BEING JOINED. ALL SOLVENT CEMENTED JOINTS SHALL BE MADE PER THE PIPE AND FITTING MANUFACTURER'S RECOMMENDATIONS.					N/A
NO SYMBOL	PAIGE ELECTRIC	P7354D DIRECT BURIAL IRRIGATION CONTROL CABLE (TWO-WIRE PATH) WITH TWO PVC INSULATED, SOLID COPPER CONDUCTOR IRRIGATION CONTROL WIRES, #14UF SIZE, WITH A IMPREGNATED POLYETHYLENE, COLOR CODED JACKET. JACKET COLOR SHALL BE RED AND THE CONDUCTORS INSULATION SHALL BE RED AND BLACK. THE CONTRACTOR SHALL ROUTE THE CONTROL CABLE FROM THE CONTROLLER ALONG THE MAINLINE IN ALL DIRECTIONS AWAY FROM THE CONTROLLER. LOOP THE CONTROL CABLE UP AND INTO EACH VALVE BOX ALONG THE MAINLINE, PROVIDING A 3 FOOT MINIMUM LOOP IN EACH VALVE BOX.					Q,R,S
NO SYMBOL	3M	DBR/Y-6 DIRECT BURIAL WATER-PROOF WIRE CONNECTORS FOR USE ON ALL WIRE SPLICES AND CONNECTIONS					S
NO SYMBOL	RAIN BIRD	ALL VALVE BOXES SHALL BE VB SERIES, PLASTIC TYPE WITH OVERLAPPING LIDS. VALVE BOX BODIES SHALL BE STANDARD BLACK AND ALL LIDS SHALL BE PURPLE COLOR. ALL BOXES SHALL BE SECURED WITH A RAIN BIRD VB-LOCK-H HEXAGON HEAD BOLT, WASHER AND CLIP. BOXES SHALL BE AS SHOWN BELOW:					N/A

DESCRIPTION	MODEL #S
7" ROUND BOXES	VB-7RNDB (BOX) AND VB-7RNDPL (LID)
10" ROUND BOXES	VB-10RNDB (BOX) AND VB-10RNDPL (LID)
STANDARD RECTANGULAR BOXES	VB-STDB (BOX) AND VB-STDPL (LID)
JUMBO RECTANGULAR BOXES	VB-JMBB (BOX) AND VB-JMBPL (LID)

VALVE CALLOUT LEGEND



Alamo District - Phase 5
MONTHLY LANDSCAPE IRRIGATION WATER USE ESTIMATES

IRRIGATION DEMAND - STAGE 3 DROUGHT RESTRICTIONS, "WORST CASE"

Prepared May 28, 2024
By Sweeney & Associates, Inc.

ESTIMATED YEARLY IRRIGATION DEMAND:	**100,000**	**Peak Daily Irrigation Demand:**	**2,183**
PEAK MONTHLY IRRIGATION DEMAND:	**18,972**	**Peak Daily GPM:**	**13**

s+a sweeney + associates IRRIGATION DESIGN AND CONSULTING

		Supplemental only during Winter											Supplemental only during Winter		
		Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.		Nov.	Dec.	Year
For the purpose of calculating normal water use, a percentage of the historical monthly rainfall has been counted. Only a portion of the rainfall can be counted as beneficially contributing to the landscape water requirements.	Estimated Evapotranspiration Rates (Inches/Month):	2.42	2.90	4.42	5.47	6.47	6.97	7.31	6.99	5.64	4.44		2.85	2.36	58.24
	Historical Rainfall (Inches/Month):	1.61	1.90	1.68	2.53	3.99	3.57	1.83	2.58	3.29	3.29		2.11	1.72	30.10
	Percentage of Rainfall to be Applied:	100%	100%	35%	35%	35%	35%	35%	35%	35%	35%		100%	100%	35%
	Applied Rainfall (Inches/Month):	1.61	1.90	0.59	0.89	1.40	1.25	0.64	0.90	1.15	1.15		2.11	1.72	15.31

DEFINED LANDSCAPE AREAS	Irrigated Area in SFT	Landscape Percentage	Species Ks	Density Kd	M. Climate Kmc	Landscape KL	Irrigation Efficiency	Jan. Gals./Mo.	Feb. Gals./Mo.	Mar. Gals./Mo.	Apr. Gals./Mo.	May Gals./Mo.	Jun. Gals./Mo.	Jul. Gals./Mo.	Aug. Gals./Mo.	Sep. Gals./Mo.	Oct. Gals./Mo.	Nov. Gals./Mo.	Dec. Gals./Mo.	Year Gals./Year
Moderate Water Use Plantings	3,935	100.0%	50%	100%	100%	50%	81.0%	0	0	4,912	5,601	5,568	6,770	9,129	7,850	5,053	3,236	0	0	**48,118**
Proposed Trees	24		50%	100%	100%	50%	81.0%	0	0	5,296	6,039	6,003	7,300	9,843	8,464	5,448	3,489	0	0	**51,882**
Total Landscaped Area (SFT):	**3,935**	**100%**	**Estimated Monthly Water Use for the Landscape (Gals):**					**0**	**0**	**10,208**	**11,640**	**11,571**	**14,070**	**18,972**	**16,313**	**10,501**	**6,725**	**0**	**0**	**100,000**
	MON/WED/FRI		**Shrub/Groundcover Drip Demand at 1 Hour / Day, 3 Days / Week:**					**0**	**0**	**6**	**7**	**7**	**9**	**12**	**10**	**6**	**4**	**0**	**0**	**12**
	MON/WED/FRI		**Tree Demand at 1 Hour / Day, 3 Days / Week:**					**0**	**0**	**7**	**8**	**8**	**9**	**13**	**11**	**7**	**4**	**0**	**0**	**13**

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Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
IRRIGATION LEGEND & NOTES

Scale

L5.00

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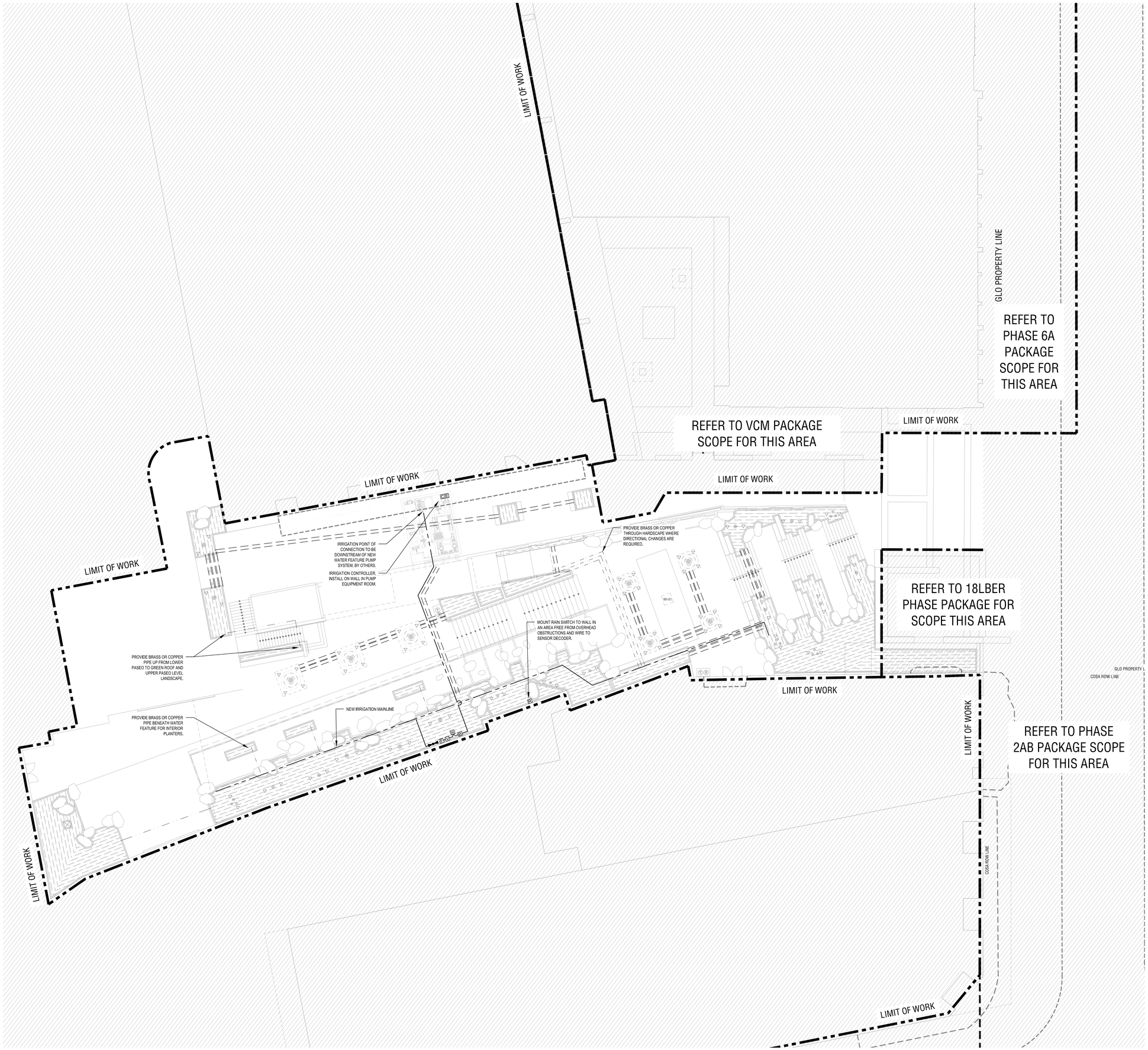

NOTE A:
THESE PLANS ARE DIAGRAMMATIC, THE MAINLINE AND RELATED IRRIGATION EQUIPMENT IS SHOWN WITHIN THE PAVING FOR CLARITY ONLY. THE ACTUAL LOCATION OF MAINLINE AND RELATED IRRIGATION EQUIPMENT SHALL BE WITHIN PLANTER AND A MINIMUM OF 18" OFF ADJACENT HARDSCAPE AND OTHER OBSTACLES, TYPICAL.

NOTE B:
CONTRACTOR SHALL ADJUST ALL HEADS AS REQUIRED TO ACCOMMODATE ANY VERTICAL OBSTRUCTIONS THAT MAY OCCUR IN THE LANDSCAPE, INCLUDING BUT NOT LIMITED TO LIGHT POLES, FIRE HYDRANTS, TREES, ETC. WHEN A SLIGHT RELOCATION OF THE HEAD IS NOT SUFFICIENT TO CLEAR THE OBSTACLE, OR IF IT NEGATIVELY AFFECTS THE COVERAGE, AN ADDITIONAL HEAD SHALL BE INSTALLED TO PLACE ONE HEAD ON EITHER SIDE OF THE OBSTACLE. THE NOZZLES OF THESE TWO HEADS SHALL HAVE ARC PATTERNS THAT ADD UP TO THE ORIGINAL ARC PATTERN OF THE HEAD INDICATED ON THE PLANS. THE CONTRACTOR SHALL VERIFY ALL HEAD LAYOUT WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.

NOTE C:
THESE PLANS ARE DIAGRAMMATIC, TREE BUBBLERS AND LATERAL LINES ARE SHOWN WITHIN THE PAVING FOR CLARITY ONLY. THE ACTUAL LOCATIONS SHALL BE WITHIN THE PLANTER. THE TREE BUBBLERS SHALL BE ALIGNED WITH TREES AS SHOWN ON THE PLANTING PLANS, AND AS DIRECTED BY OWNER'S AUTHORIZED REPRESENTATIVE. THE CONTRACTOR SHALL CONFIRM ALL LAYOUT IN FIELD WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.

NOTE D:
ALL PROPOSED IRRIGATION COMPONENTS ARE TO BE COLOR CODED PURPLE INDICATING USE OF NON-POTABLE WATER.

NOTE E:
RECYCLED WATER SIGNAGE FOR ONSITE FACILITIES THE RECYCLED WATER SYSTEM SIGN WILL BE AN 18.0INCH X 12.0-INCH SIZE PLATE WITH CHAMFERED CORNERS (NO SHARP EDGES). THE TEXT AND LOGO WILL BE AS SHOWN IN DETAIL BELOW. THE FONT TO BE USED IN THE SIGNS WILL BE HELVETICA-MEDIUM. THE SIGN OUTLINE, TEXT AND LOGOS WILL BE 99 BRIGHT PURPLE HIGH PERFORMANCE VINYL COLORING MANUFACTURED BY ARLON OR EQUIVALENT. WHILE THE BACKGROUND WILL BE PRE-FINISHED ALUMINUM MATTE WHITE MANUFACTURED BY WRISCO INDUSTRIES, INC. OR EQUIVALENT. SIGNS WILL ALSO BE POSTED WHERE THERE ARE HOSE BIBS AND FAUCETS. ALL SIGNS WILL BE BOTH IN ENGLISH AND SPANISH.
READING "RECLAIMED WATER, DO NOT DRINK" OR SIMILAR WARNINGS.

Helping Secure Our Water Future
WE USE RECYCLED WATER
USAMOS EL AGUA RECICLADA

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Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
IRRIGATION PLANS

Scale
1" = 10'-0"

L5.01

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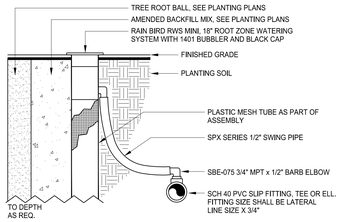
A TREE ROOT ZONE WATERING SYSTEM



NOTE:
INSTALL ROOT WATERING SYSTEM SO THAT WATER IS APPLIED TO ROOT BALL AND SURROUNDING SOIL.

SWEEP FLEXIBLE PIPE UP TO SLEEVE KINKING.

USE TEFLON TAPE ON ALL THREADED CONNECTIONS.

SECTION VIEW - N.T.S.

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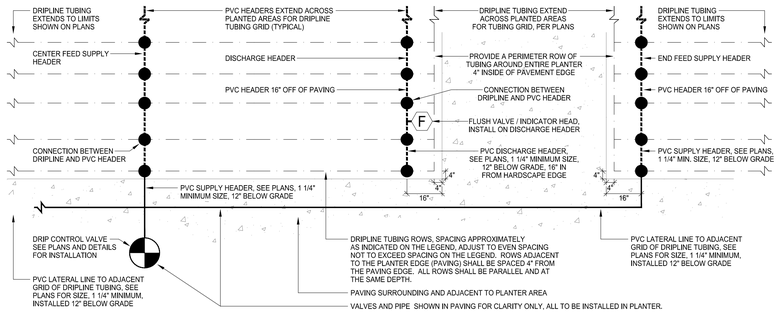
B DETAIL NOT USED

C PLANTER BED DRIP TUBING



NOTE:
PVC SUPPLY AND DISCHARGE HEADERS SHALL BE INSTALLED AT END RUNS OF TUBING, NO MORE THAN 16" FROM THE EDGE OF THE HARDSCAPE. WHERE A TUBING END RUN HAS ONLY TWO (2) OR THREE (3) ROWS, A PVC DISCHARGE HEADER IS NOT NEEDED AND THE PERIMETER ROW OF TUBING SHALL BE USED FOR THE DISCHARGE. WHERE FOUR (4) OR MORE TUBING ROWS END RUN, A PVC DISCHARGE HEADER IS REQUIRED.

PVC PIPE FOR LATERALS, SUPPLY HEADERS AND DISCHARGE HEADERS SHALL BE MINIMUM 1 1/4" SIZE, OR SIZED AS SHOWN ON THE PLANS.

ENTIRE PERIMETER OF PLANTING AREA SHALL HAVE A ROW OF DRIP TUBING INSTALLED 4" OFF OF THE EDGE OF THE HARDSCAPE AS SHOWN ABOVE.

PLAN VIEW - N.T.S.

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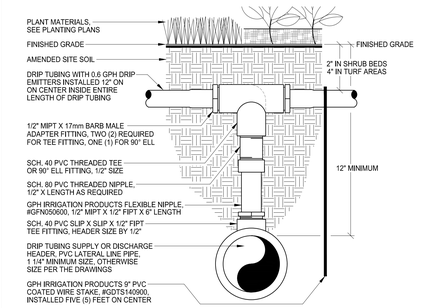
D PLANTER BED DRIP TUBING CONNECTION



NOTE:
DRIP TUBING CONNECTION REQUIRED FOR ALL CONNECTIONS BETWEEN DRIP TUBING AND PVC HEADERS.

FOR CONNECTIONS AT END RUNS OF TUBING, USE A 90° ELL FITTING AND ONE ADAPTER FITTING FOR CONNECTION.

FOR CONNECTIONS IN THE MIDDLE OF RUNS OF TUBING, USE A TEE FITTING AND TWO ADAPTER FITTINGS FOR THE CONNECTION.

SECTION VIEW - N.T.S.

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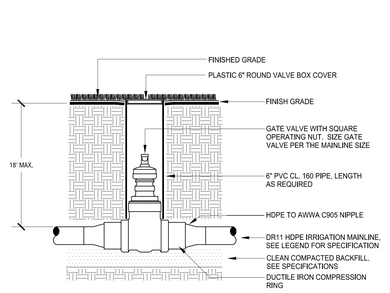
E DRIP BED FLUSH / INDICATOR HEAD



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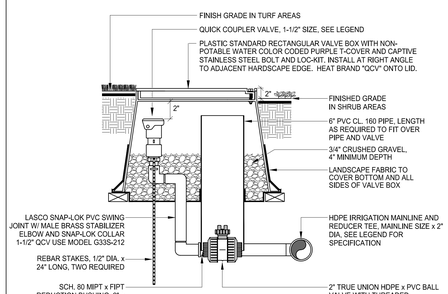
F CHECK VALVE W/ FERTIGATION COUPLING



NOTE:
USE STANDARD OPENINGS PROVIDED IN VALVE BOX FOR PIPE, DO NOT CUT BOX.

SECTION VIEW - N.T.S.

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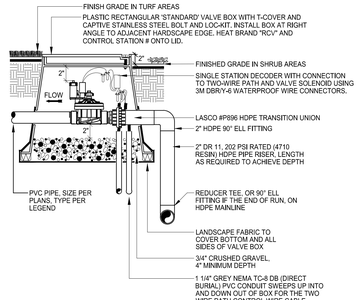
G FERTILIZER INJECTOR SYSTEM



NOTE:
USE AN APPROVED, TEFLON ASSEMBLY PASTE ON ALL THREADED FITTINGS.
USE STANDARD BOX OPENINGS FOR ALL PIPING INTO THE BOX, DO NOT CUT THE BOX.
LEAVE 24 TO 36 INCHES OF SLACK ON THE TWO-WIRE TO ALLOW FOR EASY INSTALLATION AND MAINTENANCE.

SECTION VIEW - N.T.S.

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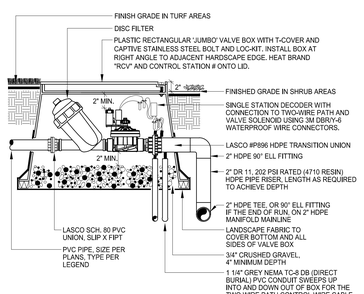
H MASTER CONTROL VALVE



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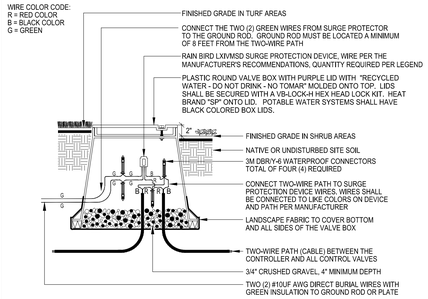
I FLOW SENSOR



NOTE:
IF SOIL DEPTH IS INSUFFICIENT FOR THE INSTALLATION OF THE GROUNDING ROD, OR IF SOIL IS TOO HARD AND ROCKY FOR INSTALLATION OF THE GROUND ROD, THE GROUND ROD MAY BE REPLACED WITH THE GROUNDING PLATE AS SHOWN ON DETAIL "X".

CONTRACTOR IS REQUIRED TO CONTACT 811 OR DIGALERT A MINIMUM OF TWO (2) DAYS PRIOR TO ANY EXCAVATION ON THE PROJECT AND SPECIFICALLY PRIOR TO THE INSTALLATION OF ANY GROUNDING RODS. DIAL 811 OR LOG ONTO WWW.DIGALERT.ORG.

QUANTITY AND LOCATION OF THE SURGE PROTECTORS SHALL BE AS DESCRIBED IN THE MATERIALS LEGEND. DO NOT EXCEED MANUFACTURER'S RECOMMENDATIONS.

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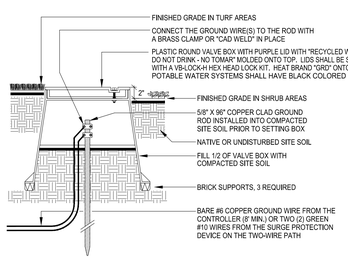
J GATE VALVE



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A MINIMUM OF ONE GROUND ROD SHALL BE INSTALLED PER CONTROLLER. SEE LEGEND, DETAILS AND SPECIFICATIONS FOR ADDITIONAL GROUNDING REQUIREMENTS.

BRICK SUPPORTS NOT REQUIRED WHEN USING THE SPECIFIED RAIN BIRD "VB SERIES" BOXES.

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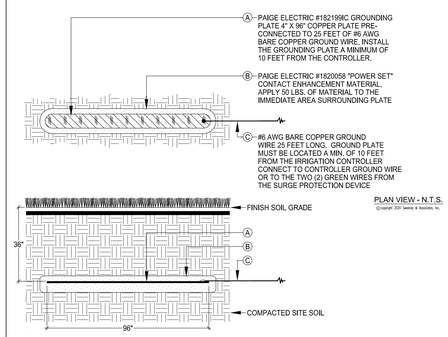
K QUICK COUPLER VALVE



PLAN VIEW - N.T.S.

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NOTE:
"POWER SET" MATERIAL MUST BE INSTALLED WITH GROUNDING PLATES.

CONTRACTOR IS REQUIRED TO CONTACT 811 OR DIGALERT A MINIMUM OF TWO (2) DAYS PRIOR TO ANY EXCAVATION ON THE PROJECT AND SPECIFICALLY PRIOR TO THE INSTALLATION OF ANY GROUNDING PLATES. DIAL 811 OR LOG ONTO WWW.DIGALERT.ORG.

GROUND PLATE SHALL BE INSTALLED A MINIMUM OF TEN (10) FEET AWAY FROM THE IRRIGATION CONTROLLER OR ANY CONTROL WIRE PATH.

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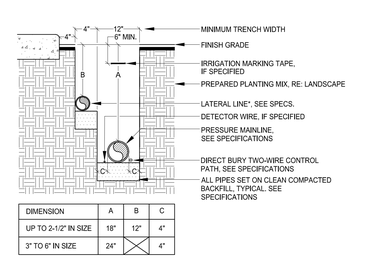
L REMOTE CONTROL VALVE



DIMENSION	A	B	C
UP TO 2-1/2" IN SIZE	18"	12"	4"
3" TO 6" IN SIZE	24"		4"

*NOTE:
LATERAL LINES SHARING A COMMON TRENCH SHALL BE SET WITH MINIMUM 4" CLEARANCE BETWEEN PIPES.

TAMP CLEAN COMPACTED BACKFILL BENEATH, BESIDE AND ABOVE PIPE FOR THE FULL WIDTH OF THE TRENCH AND FULL LENGTH OF THE PIPE.

FOR PIPE IN DECOMPOSED GRANITE, REFER TO CONSTRUCTION PLANS, DETAILS AND SPECIFICATIONS FOR TRENCH REPAIR.

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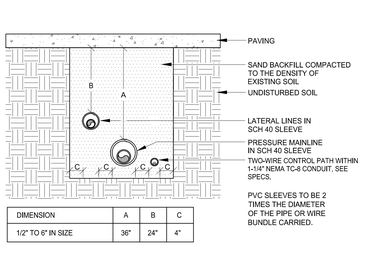
M DRIP R.C.V. ASSEMBLY



DIMENSION	A	B	C
1/2" TO 6" IN SIZE	36"	24"	4"

NOTE:
SLEEVES TO EXTEND AT LEAST 12" PAST THE EDGE OF THE PAVING.

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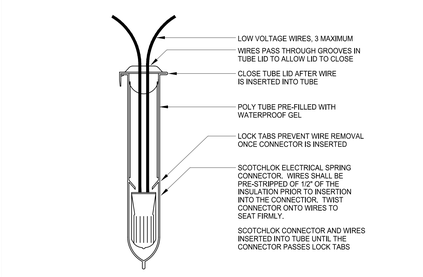
N TWO-WIRE SURGE PROTECTION



NOTE:
WIRE CONNECTOR SHALL BE A 3M DBY-6 DIRECT BURY SPLICE KIT (U.L. APPROVED).

KIT SHALL INCLUDE A SCOTCHLOK Y SPRING CONNECTOR, A POLYPROPYLENE TUBE AND A WATERPROOF SEALING GEL. TUBE SHALL BE SUPPLIED PREFILLED WITH GEL.

SECTION VIEW - N.T.S.

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O GROUND ROD

P GROUND PLATE

Q PIPE TRENCHING

R PIPE SLEEVE INSTALLATION

S WIRE CONNECTORS

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Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
IRRIGATION DETAILS

Scale
N.T.S.

L5.02

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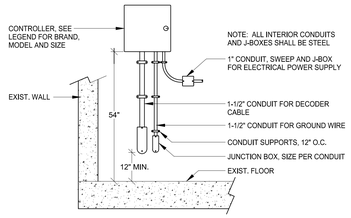

SECTION VIEW - N.T.S.

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(T) IRRIGATION CONTROLLER CABINET

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NOT FOR CONSTRUCTION

Seal / Signature

△	Date	Description
	05/19/2023	50% SCHEMATIC DESIGN
	08/24/2023	100% SCHEMATIC DESIGN
	09/11/2023	PROGRESS PRINT
	10/06/2023	DESIGN DEVELOPMENT PROGRESS PRINT
	11/02/2023	100% DESIGN DEVELOPMENT
	05/28/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
IRRIGATION DETAILS

Scale
N.T.S.

L5.03

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PLANTING GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING HIMSELF FAMILIAR WITH ALL UNDERGROUND UTILITIES AND STRUCTURES. THE CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR ANY COST INCURRED TO DAMAGE OF SAID UTILITIES OR STRUCTURES IF PROPER VERIFICATION BY CONTRACTOR WAS NOT PERFORMED.
2. DO NOT WILLFULLY PROCEED WITH PLANTING OPERATIONS AS DESIGNED WHEN IT IS OBVIOUS THAT OBSTRUCTIONS AND/OR GRADE DIFFERENCES EXIST THAT WERE NOT KNOWN DURING THE DESIGN PROCESS. SUCH CONDITIONS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE OWNER AND LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ALL NECESSARY CHANGES DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH SUBCONTRACTORS AS REQUIRED TO ACCOMPLISH HIS PLANTING OPERATIONS.
4. ANY DISCREPANCIES BETWEEN THE SPECIFICATIONS, NOTES AND PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR RESOLUTION.
5. IF CONFLICTS ARISE BETWEEN THE ACTUAL SIZE OF THE AREAS ON THE SITE AND THE DRAWINGS THE CONTRACTOR SHALL CONTACT THE OWNER'S AUTHORIZED REPRESENTATIVE FOR RESOLUTION. THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
6. THE CONTRACTOR IS TO RECEIVE THE ON-GRADE PORTION OF THE SITE WITHIN .1 OF A FOOT. THE CONTRACTOR SHALL OBTAIN A LETTER OF GRADE CERTIFICATION FROM THE OWNER PRIOR TO BEGINNING WORK.
7. AFTER FINISH GRADES HAVE BEEN ESTABLISHED FOR ALL ON-GRADE PLANTING AREAS, THE CONTRACTOR SHALL HAVE SOIL SAMPLES TESTED BY A QUALIFIED SOILS TESTING LABORATORY FOR SOIL FERTILITY, AGRICULTURAL SUITABILITY, AND SOIL PREPARATION RECOMMENDATIONS. THE CONTRACTOR MAY BE REQUESTED TO AMEND THE SOIL TO CONFORM TO THE RECOMMENDATIONS. HOWEVER, ANY AMENDMENT THAT MIGHT BE REQUESTED OF THE CONTRACTOR SHALL ONLY BE UPON RECEIPT OF A WRITTEN CHANGE ORDER FROM THE OWNER.
8. REFER TO THE SPECIFICATIONS FOR PLANTING REQUIREMENTS, MATERIALS, AND EXECUTION.
9. ALL TREES SHALL BE TAGGED BY THE LANDSCAPE ARCHITECT AND THE OWNER'S REPRESENTATIVE AS PER SPECS.
10. FINAL LOCATION OF ALL PLANT MATERIAL SHALL BE SUBJECT TO THE REVIEW AND APPROVAL OF THE LANDSCAPE ARCHITECT. CONTRACTOR SHALL COMPLETE THE FOLLOWING TASKS BEFORE BEGINNING PLANTING OPERATIONS.

    SHRUBS - STAKE OUT ALL PLANTING BEDS AND THE LAY OUT OF ACTUAL CONTAINER LOCATIONS FOR APPROVAL BY LANDSCAPE ARCHITECT ONSITE PRIOR TO DIGGING HOLES FOR PLANTING .

    TREES - STAKE ALL TREE LOCATIONS FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO DIGGING HOLES. ANY TREE PLANTED WITHOUT ITS FINAL LOCATION APPROVED BY THE LANDSCAPE ARCHITECT IS SUBJECT TO RELOCATION AT THE SOLE EXPENSE OF THE CONTRACTOR. ENSURE PROPER COORDINATION OF ALL FOOTINGS, BOLLARDS, SUB-STRUCTURE, AND UTILITIES.

    ELECTRICAL - STAKE THE LOCATIONS FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. REVIEW WITH PROPOSED TREE STAKING MENTIONED ABOVE. ANY SITE LIGHTING INSTALLED WITHOUT ITS FINAL LOCATION APPROVED BY THE LANDSCAPE ARCHITECT IS SUBJECT TO RELOCATION AT THE SOLE EXPENSE OF THE CONTRACTOR.
12. IT IS THE CONTRACTORS RESPONSIBILITY TO FURNISH PLANT MATERIAL FREE OF PEST OR PLANT DISEASES. PRE-SELECTED "TAGGED" PLANT MATERIAL MUST BE INSPECTED BY THE CONTRACTOR AND BE CERTIFIED PEST AND DISEASE FREE. IT IS THE CONTRACTORS OBLIGATION TO WARRANTY THE PLANT MATERIAL PER SPECIFICATIONS.
13. ALL SHRUB AND GROUND COVER AREAS (EXCLUDING TURF) ARE TO BE MULCHED WITH WOOD PER SPECIFICATIONS. REFER TO THE DRAWINGS FOR SPECIFIC LOCATIONS.
14. THE CONTRACTOR SHALL ALWAYS ASSUME THE SMALLER SIZE OF EACH PLANT WHEN A RANGE IS GIVEN CONCERNING SPACING i.e. PLANT TYPE X IS 12' TO 18' WIDE. THE CONTRACTOR SHALL USE 12' (THE SMALLER SIZE) TO ESTIMATE PLANTS REQUIRED TO FILL ANY GIVEN AREA.
15. A MINIMUM 3-INCH LAYER OF MULCH SHALL BE APPLIED ON ALL EXPOSED SOIL SURFACES OF PLANTING AREAS EXCEPT TURF AREAS, CREEPING OR ROOTING GROUND COVERS, OR DIRECT SEEDING APPLICATIONS WHERE MULCH IS CONTRAINDICATED

PLANT PROCUREMENT

1. FOR TREES SPECIFIED AS 36" BOX SIZE OR GREATER, PROCUREMENT AND SECURING OF MATERIAL TO BEGIN NO LESS THAN 2 YEARS PRIOR TO INSTALLATION. CONTRACTOR AND LANDSCAPE ARCHITECT TO TAG ALL TREES AT SPECIFIED SIZES. ALL APPROVED PLANT MATERIAL SHALL BE BLOCKED AND HELD AT THE NURSERY.
2. REMAINDER OF PLANT MATERIAL (NOT INCLUDING TREES) IS TO BE PROCURED UNDER A CONTRACT GROW AS AGREED TO WITH THE OWNER. PLANT MATERIAL (NOT INCLUDING TREES) IS TO BE SOURCED, TAGGED BY THE LANDSCAPE ARCHITECT AND SECURED AT THE NURSERY NO LESS THAN 12 MONTHS PRIOR TO DELIVERY AND INSTALL. ALL APPROVED PLANT MATERIAL SHALL BE BLOCKED AND HELD AT THE NURSERY.
3. FOR THOSE PLANTS/TREES DESIGNATED AS LIVE INTERIOR PLANTS/TREES: ACCLIMATIZE LIVE INTERIOR PLANTS/TREES BY LOWERING LIGHT, MOISTURE, HUMIDITY AND FERTILIZATION LEVELS FOR NO LESS THAN 18 MONTHS PRIOR TO INSTALL. ACCLIMATIZATION SHALL OCCUR AT A REPUTABLE NURSERY WITH EXPERIENCE IN LOW-LIGHT PLANT CARE.
4. ALL PLANTS IN RAISED PLANTERS TO BE RETAIL QUALITY.

LANDSCAPE MAINTENANCE BY THE CONTRACTOR

1. MAINTENANCE PERIOD SHALL BEGIN ON THE FIRST DAY AFTER ALL LANDSCAPE AND IRRIGATION WORK ON THE PROJECT IS COMPLETE, CHECKED, ACCEPTED AND WRITTEN APPROVAL FROM THE OWNER AND LANDSCAPE ARCHITECT IS GIVEN TO BEGIN THE MAINTENANCE PERIOD. MAINTENANCE PERIOD SHALL CONTINUE THEREAFTER FOR NO LESS THAN 365 CONTINUOUS CALENDAR DAYS.
2. CONTINUOUSLY MAINTAIN ALL INVOLVED AREAS DURING THE PROGRESS OF THE LANDSCAPING OPERATIONS AND DURING THE MAINTENANCE PERIOD UNTIL THE FINAL ACCEPTANCE OF THE WORK.
3. REGULAR PLANTING MAINTENANCE OPERATIONS SHALL BEGIN IMMEDIATELY AFTER EACH PLANT IS PLANTED. PLANTS SHALL BE KEPT IN A HEALTHY, GROWING CONDITION AND IN A VISUALLY PLEASING APPEARANCE BY WATERING, PRUNING, TRIMMING, EDGING, FERTILIZING, RE-STAKING, PEST AND DISEASE CONTROLLING, SPRAYING WEEDING, CLEANING-UP AND OTHER OPERATIONS OF MAINTENANCE. LANDSCAPE AREAS SHALL BE KEPT FREE OF WEEDS, NOXIOUS GRASS, AND OTHER UNDESIRED VEGETATIVE GROWTH AND DEBRIS. PLANTS FOUND TO BE DEAD OR IN AN IMPAIRED CONDITION SHALL BE REPLACED IMMEDIATELY.
5. IRRIGATION SYSTEM SHALL REQUIRE CONTINUOUS MAINTENANCE, CLEANING, ADJUSTMENT, PART REPLACEMENT AND INSPECTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE THESE SERVICES ON A CONTINUAL AND REGULAR BASIS DURING THE MAINTENANCE PERIOD TO INSURE THE IRRIGATION SYSTEM IS PROPERLY OPERATED WITHOUT ANY PROBLEMS.
6. COMPLETION DATE OF THE CONTRACT MAINTENANCE PERIOD WILL BE EXTENDED, WHEN IN THE OPINION OF THE LANDSCAPE ARCHITECT, IMPROPER MAINTENANCE OR THE UNHEALTHY CONDITION OF PLANTED MATERIAL IS EVIDENT AT THE TERMINATION OF THE SCHEDULED MAINTENANCE PERIOD. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ADDITIONAL LANDSCAPE MAINTENANCE UNTIL LANDSCAPING IS COMPLETED AND ACCEPTABLE.
7. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR MAINTAINING ADEQUATE PROTECTION OF LANDSCAPE AREAS. REPAIR DAMAGED AREAS IMMEDIATELY.

GUARANTEES & REPLACEMENTS BY THE CONTRACTOR

1. GUARANTEE TREES, SHRUBS, GROUNDCOVER, AND TURF TO REMAIN HEALTHY AND VIGOROUSLY GROWING FOR A PERIOD OF FIRST DAY AFTER ALL LANDSCAPE AND IRRIGATION WORK ON THE PROJECT IS COMPLETE, CHECKED, ACCEPTED AND WRITTEN APPROVAL FROM THE CITY AND LANDSCAPE ARCHITECT ONE YEAR FROM COMPLETION DATE OF THE CONTRACT MAINTENANCE PERIOD.
2. PLANTS FOUND TO BE DEAD OR NOT IN VIGOROUS CONDITION AS DETERMINED BY THE LANDSCAPE ARCHITECT NOTED WITHIN THE GUARANTEE PERIOD SHALL BE REPLACE WITHIN 14 DAYS OF NOTIFICATION.
3. USE PLANTS FOR REPLACEMENT OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. FURNISH, PLANT AND FERTILIZE AS ORIGINALLY SPECIFIED.

DECLARATIONS AND DISCLAIMERS

BY USE OF THESE DRAWINGS BEARING THE SEAL AND SIGNATURE OF THE LANDSCAPE ARCHITECT, FOR ANY REASON, THE USER ACKNOWLEDGES AND ACCEPTS THE FOLLOWING:

1. PLANT MATERIAL IS A DYNAMIC, UNPREDICTABLE, LIVING ORGANISM THAT CAN CREATE HAZARDS TO PEOPLE AND BUILT STRUCTURES.
2. THIS PROJECT FEATURES PLANTING IN CONTAINERS AND IN SPACES CONFINED ON ALL SIDES BY BUILDING STRUCTURES. PLANTS GROWN IN CONTAINERS OF CONFINED SPACES WILL NOT ACHIEVE SIZES OR CHARACTERISTICS AS THE SAME PLANTS GROWN IN UNRESTRICTED, NATURAL CONDITIONS. ROOTS WILL GROW TO THE EDGES OF CONFINED AREAS AND MUST BE REGULARLY INSPECTED BY PLANT CARE PROFESSIONALS TO INSURE NO DAMAGE TO THE CONTAINER, BUILDING STRUCTURE, OR WATERPROOFING COMPONENTS.
3. PLANT MATERIALS USED ON THIS PROJECT HAVE VARYING WATER USE REQUIREMENTS THAT ARE DETERMINED FROM SEASON TO SEASON, WEATHER CONDITIONS, TYPE OF PLANT, AND BY LOCATION. WATER APPLICATION MUST BE ADJUSTED AS NECESSARY. PLANT MATERIAL, PLANTING SOIL AND IRRIGATION SYSTEMS REQUIRE CONTINUOUS, ON-GOING, PROFESSIONAL MONITORING. IMPROPER MAINTENANCE AND MONITORING CAN LEAD TO SIGNIFICANT DAMAGE. THE LANDSCAPE ARCHITECT HAS NO CONTROL OVER THE MAINTENANCE OF THE WORK REPRESENTED ON THESE DRAWINGS AND THEREFORE DISAVOWS ANY RESPONSIBILITY FOR DAMAGES CAUSE BY PLANT GROWTH AND/OR THE APPLICATION OF IRRIGATION WATER.
4. THE LANDSCAPE ARCHITECT HAS HAD NO CONTROL OVER, AND TAKES NO RESPONSIBILITY FOR ANY COMPONENTS OF THE PROJECT OTHER THAN WHAT IS EXPLICITLY ILLUSTRATED ON THE DRAWINGS SIGNED AND SEALED BY THE LANDSCAPE ARCHITECT. WORK NOTED AS 'BY OTHERS' IS SHOWN FOR REFERENCE ONLY.
5. UNLESS THESE PLANS ARE CLEARLY MARKED "FOR CONSTRUCTION" AND BEAR THE SEAL AND SIGNATURE OF A LICENSED LANDSCAPE ARCHITECT THEY MAY NOT BE USED FOR CONSTRUCTION.

PLANTING SCHEDULE

TREES	CODE	SCIENTIFIC NAME / COMMON NAME	DETAIL	SIZE	QTY.	REMARKS
AN	AN	ACER NEGUNDO / BOX ELDER	01, 02, 04 /L7.01	6" CAL.	PER PLANS	
CT	CT	CERCIS CANADENSIS TEXENSIS 'TEXAS WHITE' / TEXAS WHITE REDBUD	01, 02, 04 /L7.01	20 - 24 FT HEIGHT (7); 12-14 FT (5)	PER PLANS	
QM	QM	QUERCUS MACROCARPA / BURR OAK	01, 02, 04 /L7.01	8" CAL.	PER PLANS	LIMBED UP TO 6' CLEAR TRUNK. SPECIMEN QUALITY - BEST QUALITY WITH UNIFORM SYMMETRICAL HABIT. REQUIRE EARLY PROCUREMENT.
QS	QS	QUERCUS CANBYI / SIERRA RED OAK	01, 02, 04 /L7.01	8" CAL.	PER PLANS	LIMBED UP TO 6' CLEAR TRUNK. SPECIMEN QUALITY - SINGLE STEM- BEST QUALITY WITH UNIFORM SYMMETRICAL HABIT. REQUIRE EARLY PROCUREMENT.
SB	SB	SALIX NIGRA / BLACK WILLOW	01, 02, 04 /L7.01	6" CAL.	PER PLANS	SPECIMEN QUALITY - BEST QUALITY WITH UNIFORM SYMMETRICAL HABIT. REQUIRE EARLY PROCUREMENT.
UC	UC	ULMUS CRASSIFOLIA / CEDAR ELM	01, 02, 04 /L7.01	10" CAL.	PER PLANS	LIMBED UP TO 6' CLEAR TRUNK. SPECIMEN QUALITY - BEST QUALITY WITH UNIFORM SYMMETRICAL HABIT. REQUIRE EARLY PROCUREMENT.
		ROOTBALLS LOCATION				
GROUNDCOVERS	**CODE**	**SCIENTIFIC NAME / COMMON NAME**	**DETAIL**	**MIXES AND SPACING**	**AREA**	**REMARKS**
GC1	GC1	UPLAND PLANTIG MIX / GROUND COVER TYPE 1	01, 02/L7.02	20% 15 GALLON @ 36" O.C. 60% 10 GALLON @ 30" O.C. 10% 5 GALLON @ 24" O.C. 10% 1 GALLON @ 12" O.C.	PER PLANS	FULL, DENSE, MATCHED SPECIMEN. TYPICAL WOOD MULCH PER SPECIFICATIONS.
GC2	GC2	BLACK PRARIE MIX / GROUND COVER TYPE 2	01, 02/L7.02	10% 25 GALLON SHRUBS 50% 5 GALLON SHRUBS 40% 1 GALLON PERENNIALS	PER PLANS	FULL, DENSE, MATCHED SPECIMEN. TYPICAL WOOD MULCH PER SPECIFICATIONS.
RP1	RP1	RIVERINE PLANTING - TYPE 1 / RAIN GARDEN PLANTING MIX TYPE 1	01, 02/L7.02	20% 15 GALLON @ 36" O.C. 60% 10 GALLON @ 30" O.C. 10% 5 GALLON @ 24" O.C. 10% 1 GALLON @ 12" O.C.	PER PLANS	FULL, DENSE, MATCHED SPECIMEN. TYPICAL WOOD MULCH PER SPECIFICATIONS.
RP2	RP2	RIVERINE PLANTING - TYPE 2 / RAIN GARDEN PLANTING MIX TYPE 2	01, 02/L7.02	20% 15 GALLON @ 36" O.C. 60% 10 GALLON @ 30" O.C. 10% 5 GALLON @ 24" O.C. 10% 1 GALLON @ 12" O.C.	PER PLANS	FULL, DENSE, MATCHED SPECIMEN. TYPICAL WOOD MULCH PER SPECIFICATIONS.

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Seal / Signature

REGISTERED LANDSCAPE ARCHITECT
RICHARD D. BUNDY
1405
STATE OF TEXAS
01/05/2024

△	Date	Description
	05/19/2023	50% SCHEMATIC DESIGN
	08/10/2023	100% SCHEMATIC DESIGN
	09/07/2023	DEMOLITION PACKAGE FOR ARCHAEOLOGICAL PERMIT - WESTERN SCOPE
	11/02/2023	100% DESIGN DEVELOPMENT
	01/05/2024	AREA 5 DEMOLITION MOBILIZATION
	01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
	06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
PLANTING SCHEDULE

Scale

L6.00

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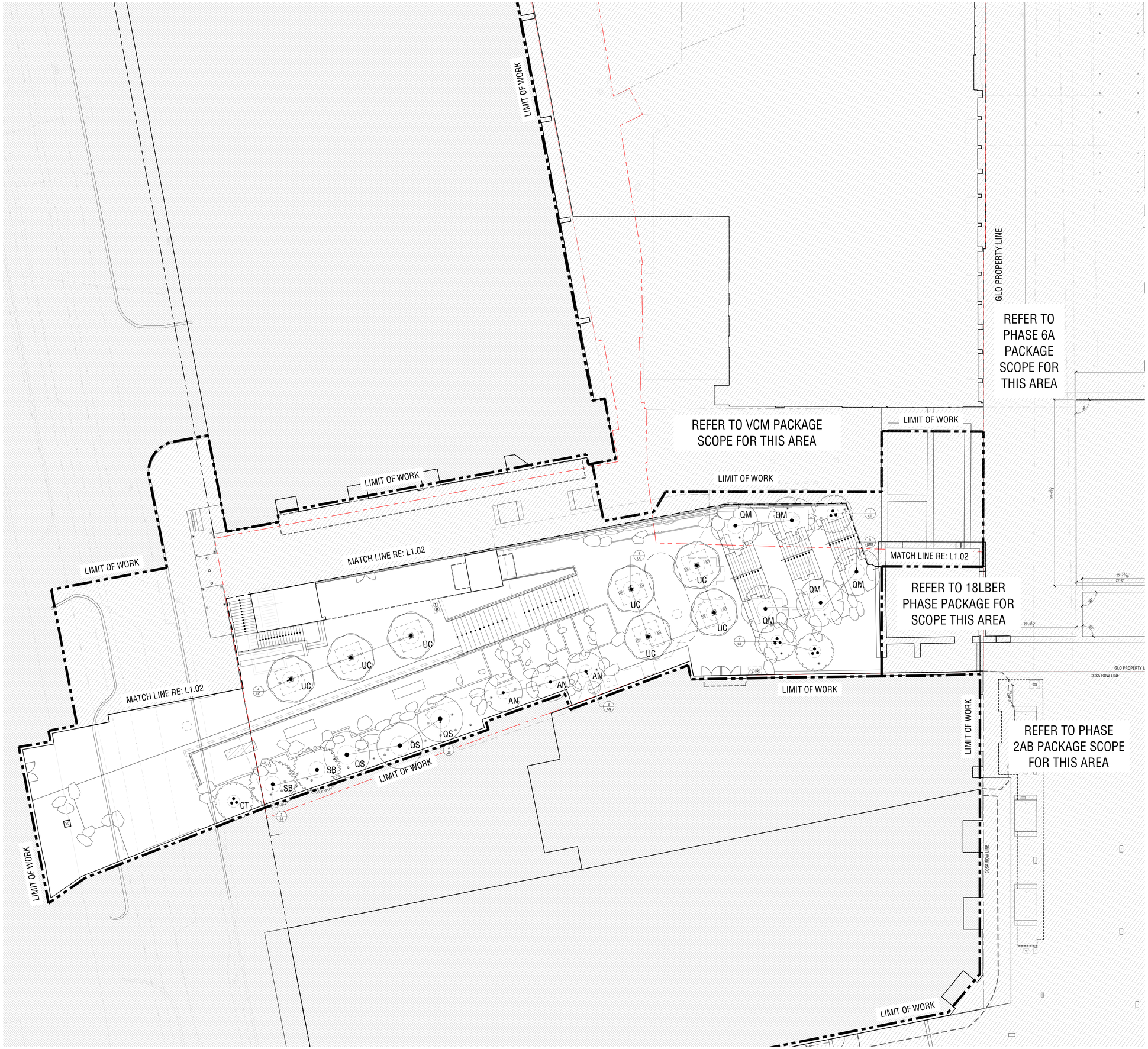

PLANTING SCHEDULE

TREES	CODE	BOTANICAL / COMMON NAME	SIZE
	AN	ACER NEGUNDO / BOX ELDER	6" CAL.
	CT	CERCIS CANADENSIS TEXENSIS 'TEXAS WHITE' / TEXAS WHITE REDBUD	20 - 24 FT HEIGHT (7); 12-14 FT (5)
	QM	QUERCUS MACROCARPA / BURR OAK	8" CAL.
	QS	QUERCUS CANBYI / SIERRA RED OAK	8" CAL.
	SB	SALIX NIGRA / BLACK WILLOW	6" CAL.
	UC	ULMUS CRASSIFOLIA / CEDAR ELM	10" CAL.
		ROOTBALL LOCATION	
VINES	**CODE**	**BOTANICAL / COMMON NAME**	**CONTAINER**
	MD	MERREMIA DISSECTA / ALAMO VINE	10 GAL.
GROUNDCOVER	**CODE**	**BOTANICAL / COMMON NAME**	**CONTAINER**
	GC1	UPLAND PLANTIG MIX / GROUND COVER TYPE 1	SEE SCHEDULE
	GC2	BLACK PRAIRIE MIX / GROUND COVER TYPE 2	SEE SCHEDULE
	RP1	RIVERINE PLANTING - TYPE 1	SEE SCHEDULE
	RP2	RIVERINE PLANTING - TYPE 2	SEE SCHEDULE

PLANTING NOTES

1. REFERENCE SHEET L6.00 FOR FULL PLANTING SCHEDULE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL SOILS AS INDICATED IN THE SOILS AND PLANTING PLANS. REFERENCE L4 SERIES DRAWINGS FOR SOILS INFORMATION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING WATERPROOFING, PROTECTION BOARD AND ALL APPURTENANCES. REFERENCE CIVIL ENGINEER'S, ARCHITECT'S AND SURVEY BASES FOR ADDITIONAL INFORMATION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH THE FULL CONTRACT DRAWINGS AND RESPONSIBLE FOR ANY COORDINATION WITH SUBCONTRACTORS AS REQUIRED TO ACCOMPLISH PLANTING OPERATIONS.
5. FINAL LOCATION OF ALL PLANT MATERIALS SHALL BE SUBJECT TO REVIEW AND APPROVAL OF THE LANDSCAPE ARCHITECT AND OWNER'S AUTHORIZED REPRESENTATIVE. CONTRACTOR IS TO SCHEDULE SITE VISITS A MINIMUM OF SEVEN (7) DAYS PRIOR TO FOLLOWING TASKS BEFORE BEGINNING PLANTING INSTALLATION OPERATIONS:
   5.1. SHRUBS - LAY OUT THE ACTUAL CONTAINERS ONSITE PRIOR TO DIGGING HOLES.
   5.2. TREES - STAKE THE LOCATIONS PRIOR TO DIGGING HOLES. ANY TREES PLANTED WITHOUT ITS FINAL LOCATION APPROVED BY THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE MAY BE REQUESTED TO BE RELOCATED AT THE EXPENSE OF THE CONTRACTOR.
6. REFER TO CIVIL ENGINEER DRAWINGS FOR ALL EXISTING CONDITIONS, SURVEY INFORMATION AND MISCELLANEOUS FEATURES.
7. RIGHT OF WAY IMPROVEMENTS SHALL BE PROTECTED IN PLACE UNLESS EXPLICITLY NOTED IN CIVIL ENGINEER OR LANDSCAPE CONSTRUCTION PLANS. DAMAGE THAT OCCURS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
8. REFER TO SHEET L0.10 FOR FULL GENERAL, TREE PROTECTION NOTES.
9. REFER TO SHEET L1.00 FOR FULL CONSTRUCTION AND LAYOUT NOTES.
10. THE LIMIT OF WORK (L.O.W.) IS FOR REFERENCE ONLY. ACTUAL LIMITS OF WORK ARE TO BE VERIFIED AND DELINEATED IN FIELD BY CONTRACTOR WITH OWNER'S APPROVAL PRIOR TO START OF CONSTRUCTION ACTIVITIES.

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REGISTERED LANDSCAPE ARCHITECT JAMES D. BURNETT 1405 STATE OF TEXAS
01/05/2024

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06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
PLANTING PLANS, TREES - LOWER LEVEL

Scale
1" = 10'-0"

L6.01A

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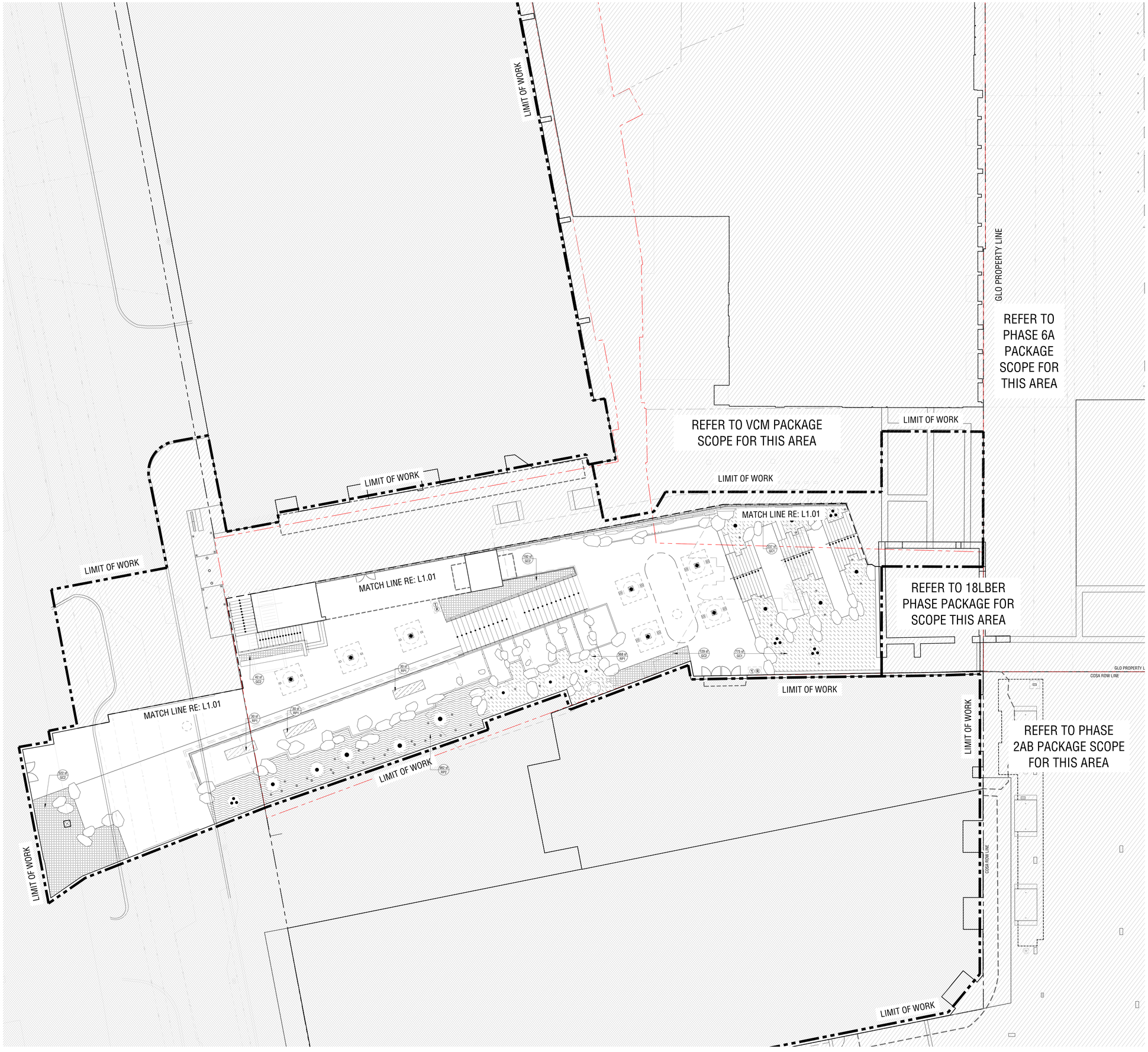
Worker
Plotted by: Antonio



PLANTING SCHEDULE

TREES	CODE	BOTANICAL / COMMON NAME	SIZE
AN	AN	ACER NEGUNDO / BOX ELDER	6" CAL.
CT	CT	CERCIS CANADENSIS TEXENSIS 'TEXAS WHITE' / TEXAS WHITE REDBUD	20 - 24 FT HEIGHT (7); 12-14 FT (5)
QM	QM	QUERCUS MACROCARPA / BURR OAK	8" CAL.
QS	QS	QUERCUS CANBYI / SIERRA RED OAK	8" CAL.
SB	SB	SALIX NIGRA / BLACK WILLOW	6" CAL.
UC	UC	ULMUS CRASSIFOLIA / CEDAR ELM	10" CAL.
		ROOTBALL LOCATION	
VINES	**CODE**	**BOTANICAL / COMMON NAME**	**CONTAINER**
MD	MD	MERREMIA DISSECTA / ALAMO VINE	10 GAL.
GROUNDCOVER	**CODE**	**BOTANICAL / COMMON NAME**	**CONTAINER**
GC1	GC1	UPLAND PLANTIG MIX / GROUND COVER TYPE 1	SEE SCHEDULE
GC2	GC2	BLACK PRAIRIE MIX / GROUND COVER TYPE 2	SEE SCHEDULE
RP1	RP1	RIVERINE PLANTING - TYPE 1	SEE SCHEDULE
RP2	RP2	RIVERINE PLANTING - TYPE 2	SEE SCHEDULE

PLANTING NOTES

1. REFERENCE SHEET L6.00 FOR FULL PLANTING SCHEDULE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL SOILS AS INDICATED IN THE SOILS AND PLANTING PLANS. REFERENCE L4 SERIES DRAWINGS FOR SOILS INFORMATION.
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4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH THE FULL CONTRACT DRAWINGS AND RESPONSIBLE FOR ANY COORDINATION WITH SUBCONTRACTORS AS REQUIRED TO ACCOMPLISH PLANTING OPERATIONS.
5. FINAL LOCATION OF ALL PLANT MATERIALS SHALL BE SUBJECT TO REVIEW AND APPROVAL OF THE LANDSCAPE ARCHITECT AND OWNER'S AUTHORIZED REPRESENTATIVE. CONTRACTOR IS TO SCHEDULE SITE VISITS A MINIMUM OF SEVEN (7) DAYS PRIOR TO FOLLOWING TASKS BEFORE BEGINNING PLANTING INSTALLATION OPERATIONS:
   5.1. SHRUBS - LAY OUT THE ACTUAL CONTAINERS ONSITE PRIOR TO DIGGING HOLES.
   5.2. TREES - STAKE THE LOCATIONS PRIOR TO DIGGING HOLES. ANY TREES PLANTED WITHOUT ITS FINAL LOCATION APPROVED BY THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE MAY BE REQUESTED TO BE RELOCATED AT THE EXPENSE OF THE CONTRACTOR.
6. REFER TO CIVIL ENGINEER DRAWINGS FOR ALL EXISTING CONDITIONS, SURVEY INFORMATION AND MISCELLANEOUS FEATURES.
7. RIGHT OF WAY IMPROVEMENTS SHALL BE PROTECTED IN PLACE UNLESS EXPLICITLY NOTED IN CIVIL ENGINEER OR LANDSCAPE CONSTRUCTION PLANS. DAMAGE THAT OCCURS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
8. REFER TO SHEET L0.10 FOR FULL GENERAL, TREE PROTECTION NOTES.
9. REFER TO SHEET L1.00 FOR FULL CONSTRUCTION AND LAYOUT NOTES.
10. THE LIMIT OF WORK (L.O.W.) IS FOR REFERENCE ONLY. ACTUAL LIMITS OF WORK ARE TO BE VERIFIED AND DELINEATED IN FIELD BY CONTRACTOR WITH OWNER'S APPROVAL PRIOR TO START OF CONSTRUCTION ACTIVITIES.

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Seal / Signature

REGISTERED LANDSCAPE ARCHITECT — JARED D. BUSKE — 1405 — STATE OF TEXAS
01/05/2024

Date	Description
05/19/2023	50% SCHEMATIC DESIGN
08/10/2023	100% SCHEMATIC DESIGN
09/07/2023	DEMOLITION PACKAGE FOR ARCHAEOLOGICAL PERMIT - WESTERN SCOPE
11/02/2023	100% DESIGN DEVELOPMENT
01/05/2024	AREA 5 DEMOLITION MOBILIZATION
01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
PLANTING PLANS, UNDERSTORY - LOWER LEVEL

Scale
1" = 10'-0"

L6.01B

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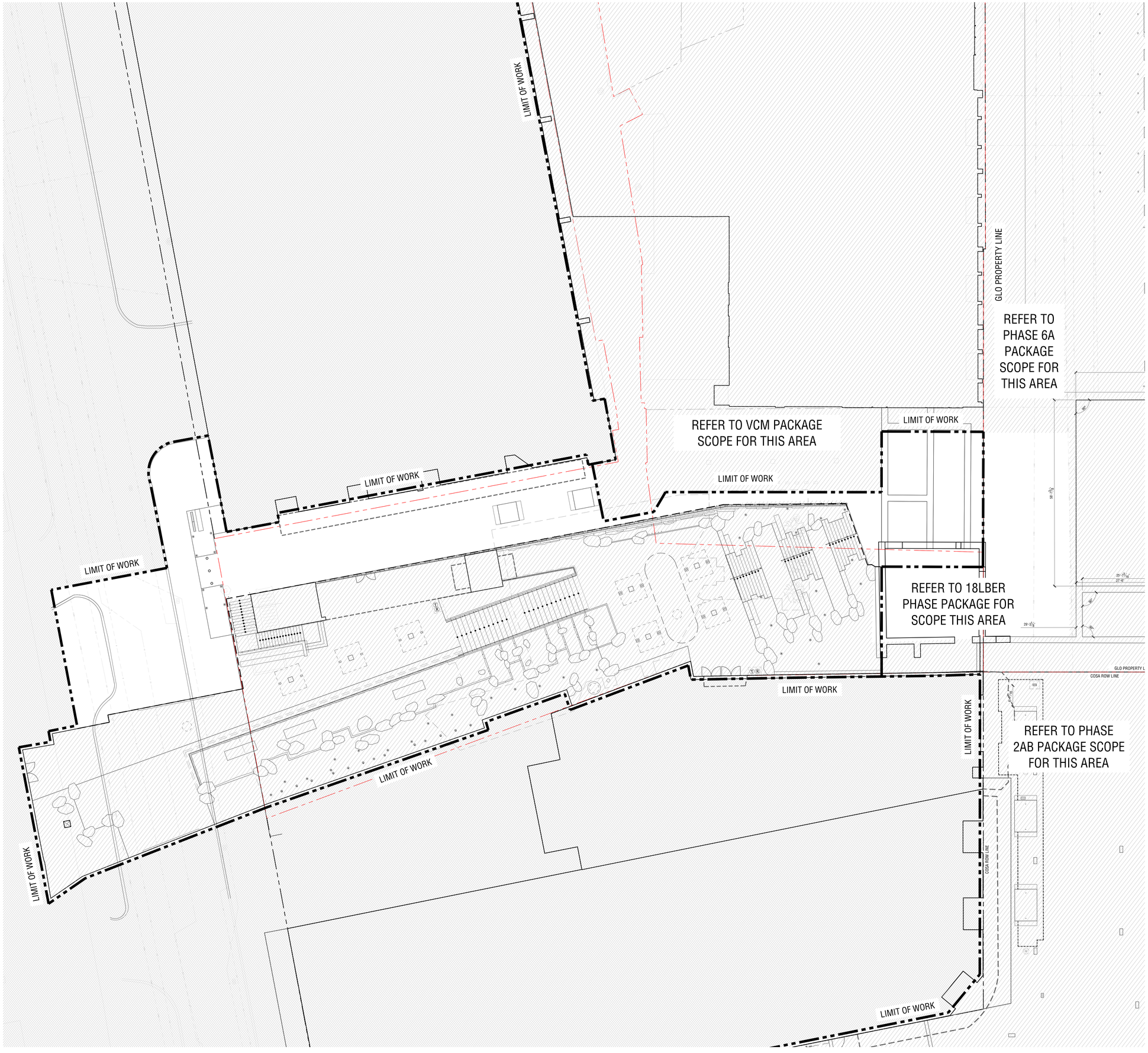

PLANTING SCHEDULE

TREES	CODE	BOTANICAL / COMMON NAME	SIZE
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		ROOTBALL LOCATION	
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GROUNDCOVER	**CODE**	**BOTANICAL / COMMON NAME**	**CONTAINER**
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RP1	RP1	RIVERINE PLANTING - TYPE 1	SEE SCHEDULE
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PLANTING NOTES

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Seal / Signature

LICENSED LANDSCAPE ARCHITECT JAMES D. RUNNELS 1485 STATE OF TEXAS

01/05/2024

Date	Description
05/19/2023	50% SCHEMATIC DESIGN
08/10/2023	100% SCHEMATIC DESIGN
09/07/2023	DEMOLITION PACKAGE FOR ARCHAEOLOGICAL PERMIT - WESTERN SCOPE
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01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
PLANTING PLANS, TREES - UPPER LEVEL

Scale
1" = 10'-0"

L6.02A

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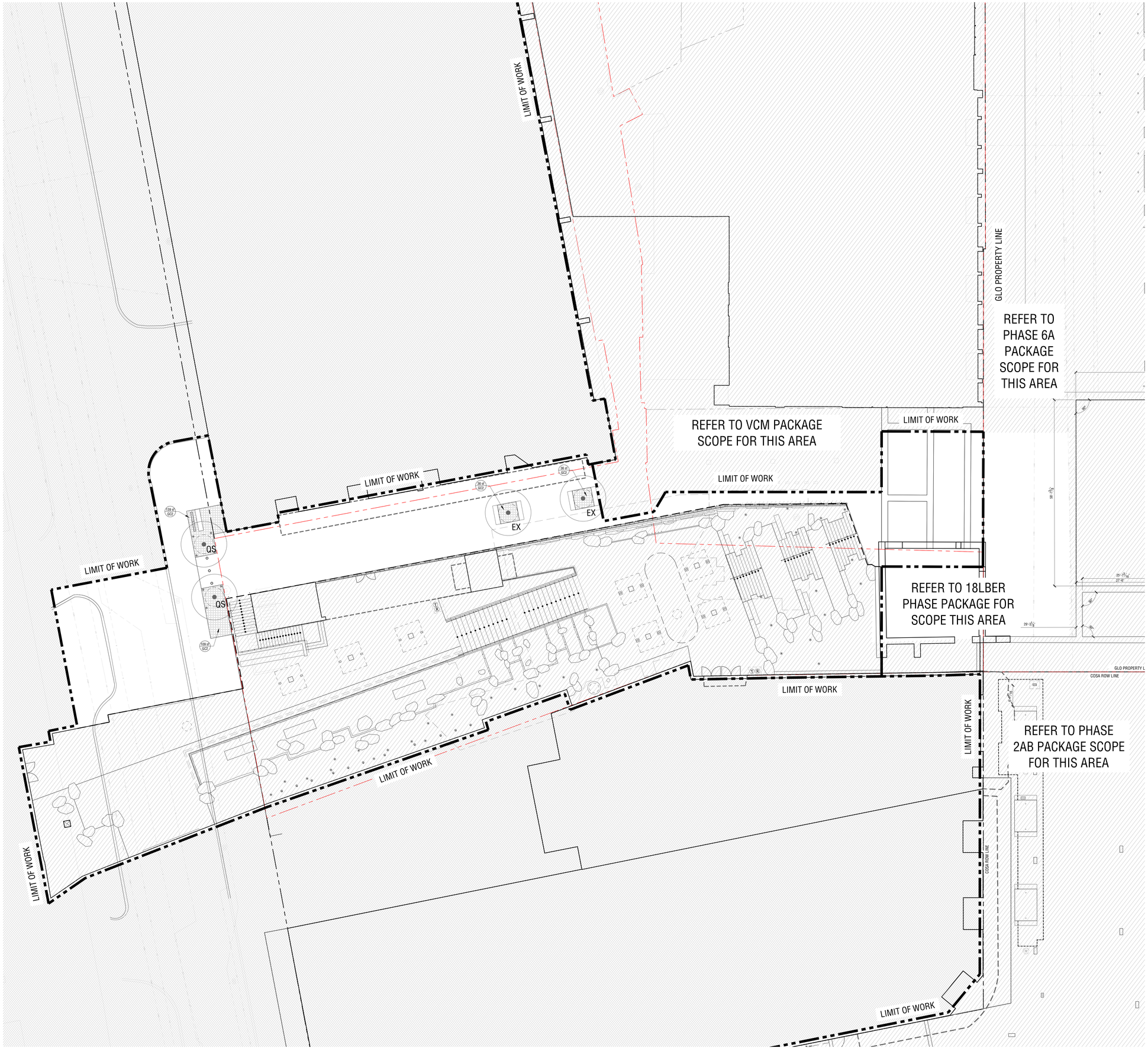

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Seal / Signature

REGISTERED LANDSCAPE ARCHITECT — JAMES D. BURNETT — 1405 — STATE OF TEXAS
01/05/2024

Date	Description
05/19/2023	50% SCHEMATIC DESIGN
08/10/2023	100% SCHEMATIC DESIGN
09/07/2023	DEMOLITION PACKAGE FOR ARCHAEOLOGICAL PERMIT - WESTERN SCOPE
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06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
PLANTING PLANS, UNDERSTORY - UPPER LEVEL

Scale
1" = 10'-0"

L6.02B

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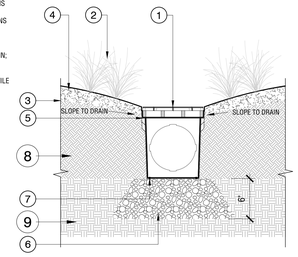
6/4/2024 5:59:45 AM
Plotted by: Antonios Wolker

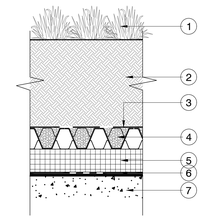
NOTE:
UTILIZE CATCH BASIN RISER TO SUPPORT DRAIN SYSTEM ELEVATIONS

1. ATRIUM DRAIN COVER; RE: CONSTRUCTION SCHEDULE AND CIVIL ENGINEER
2. ADJACENT PLANTING; RE: PLANTING PLANS
3. FINISHED GRADE; RE: CIVIL GRADING PLANS
4. MULCH LAYER; RE: SPECIFICATIONS
5. ATRIUM GRATE ATTACHED TO CATCH BASIN; RE: CIVIL ENGINEER
6. DRAINAGE GRAVEL WRAPPED IN GEOTEXTILE FABRIC BELOW BASIN RE: CIVIL
7. DRILL 1/8" WEEP HOLE TYPICAL; RE: MANUFACTURER
8. PLANTING SOIL; RE: SOILS PLANS
9. EXISTING SUBGRADE; RE: GEOTECHNICAL REPORT



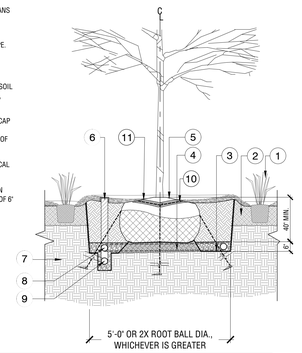
SECTION - AREA DRAIN IN PLANTING BED 12
PP-AL.AMO.3-24
SCALE: 1 1/2" = 1'-0"

1. PLANTING, RE: PLANTING PLANS
2. LIGHTWEIGHT PLANTING SOIL, SEE SOILS PLAN L4.01
3. FILTER FABRIC, SEE SPECS
4. DRAINAGE LAYER, SEE SPECS
5. INSULATION LAYER, RE: ARCHITECTURE DRAWINGS
6. WATERPROOFING, RE: ARCH
7. STRUCTURAL SLAB, RE: STRUCTURAL



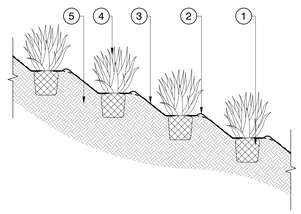
DETAIL-GREEN ROOF PLANTING 08
PP-AL.AMO.5-PL-16
SCALE: 3" = 1'-0"

1. ADJACENT PLANTING; RE: PLANTING PLANS
2. AMENDED SOIL; RE: SPECIFICATIONS
3. SLOPE FLOOR OF TREE PIT TO DRAIN PIPE.
4. COMPACTED ROOTBALL PLINTH; RE: GEOTECHNICAL REPORT
5. ROOT FLARE TO BE 3" ABOVE SPECIFIED SOIL MIX, PULL MULCH 3" FROM ROOT FLARE, TYP.
6. 4" PVC INSPECTION TUBE W/ 4" ROUND CAP NDS PART #11. BOTTOM OF TUBE TO BE CONNECTED TO DRAIN PIPE AT BOTTOM OF PIT VIA 'T' CONNECTION.
7. PREPARED SUB-GRADE; RE: GEOTECHNICAL REPORT
8. 4" PERFORATED DRAIN PIPE WRAPPED IN FILTER FABRIC. PIPE TO BE LAID IN BED OF 6" THICK DRAINAGE GRAVEL; RE: SPECIFICATIONS
9. SOLID CONNECTION TO EXISTING CONTINUOUS DRAIN LINE; RE: CIVIL ENGINEER PLANS
10. PLATIPUS ANCHOR SYSTEM
11. ANCHOR MAT



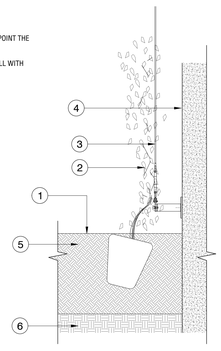
SECTION- TREE ON GRADE WITH DRAINAGE CONNECTION 04
PP-AL.AMO.5-PL-15
SCALE: 3/8" = 1'-0"

1. TOP OF ROOTBALL TO BE 1" ABOVE SOIL MIX, TYP.
2. 3" BERM AND WATERING SAUCER
3. GEOSYNTHETIC ROOT REINFOCEMENT MATRIX, RE: SPECIFICATIONS
4. PLANTS RE: PLANS FOR LOCATIONS
5. PLANTING MIX RE: SPECIFICATIONS



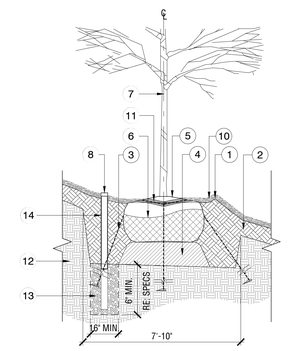
SECTION - GROUNDCOVER AND SHRUB PLANTING ON SLOPE 11
PP-AL.AMO.5-23
SCALE: 1/2" = 1'-0"

1. ADJACENT PLANTING, RE: PLANTING PLAN
2. VINE PLANTING, REMOVE CONTAINER AND LOOSEN ROOTS, POINT THE TOP OF PLANTS TOWARDS THE WALL; RE: PLANTING PLANS
3. CABLE TRELLIS SYSTEM, PANEL ATTACHED TO EXISTING WALL WITH MOUNTING CLIPS; RE: CONSTRUCTION PLANS
4. EXISTING BUILDING FACADE
5. PLANTING SOIL, RE: SOILS PLAN
6. UNDISTURBED SUBGRADE



DETAIL - VINE PLANTING TYPICAL 07
PP-AL.AMO.5-PL-19
SCALE: 1" = 1'-0"

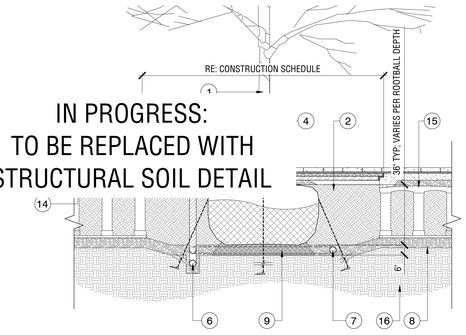
1. 6" BERM AND WATERING SAUCER
2. PLANTING MIX
3. PLATIPUS ANCHOR SYSTEM
4. COMPACTED SUBGRADE MOUND FOR DRAINAGE
5. TOP OF ROOT BALL TO BE 2" ABOVE SPECIFIED SOIL MIX
6. REMOVE BURLAP AND BASKET FROM TOP 1/3 OF ROOTBALL OR SIDES OF BOX AND REMOVE FROM SITE
7. TREE TRUNK
8. 4" PVC INSPECTION TUBE. CAP END WITH 4" ROUND CAP NDS PART #11.
10. 3" MULCH LAYER NOT TO TOUCH TRUNK
11. ANCHOR MAT
12. UNDISTURBED SUBGRADE
13. DRAINAGE GRAVEL IN FILTER FABRIC
14. 4" ABS PERFORATED DRAIN PIPE IN FILTER FABRIC, RE: SPECS



SECTION - TREE PLANTING ON SLOPE 03
PP-AL.AMO.5-PL-17
SCALE: 3/8" = 1'-0"

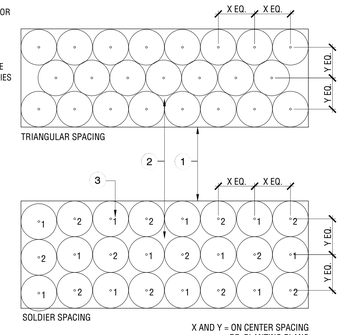
1. TREE AND ROOTBALL; RE: PLANTING PLANTS, RE: SPECIFICATIONS -ROOT FLARE TO BE 3" MIN. ABOVE ADJACENT SPECIFIED SOIL MIX -PULL ADJACENT MULCH 3" FROM ROOT FLARE, TYP.
2. PLANTING SOIL; RE: SOIL PLANS -SLOPE FLOOR OF TREE PIT TO DRAIN, TYP -CONTRACTOR TO SCARIFY EDGES OF PLANTING PIT PRIOR TO INSTALL
3. LIGHTWEIGHT EXPANDED GLASS GRAVEL, RE: 8/L3.01
4. TREE ANCHOR SYSTEM; RE: SPECIFICATIONS
5. INSPECTION TUBE WITH VENT CAP, WRAPPED IN FILTER FABRIC; RE: SPECIFICATIONS -BOTTOM OF TUBE TO BE CONNECTED TO DRAIN PIPE AT BOTTOM OF TREE PIT
6. PERFORATED DRAIN PIPE WRAPPED IN FILTER FABRIC -PIPE TO BE LAID IN BED OF 6" DEPTH DRAINAGE GRAVEL
7. SOLID CONNECTION TO EXISTING CONTINUOUS DRAIN LINE; RE: CIVIL ENGINEER PLANS
8. DRAINAGE GRAVEL; RE: SPECIFICATIONS
9. COMPACTED SUBGRADE MOUND FOR DRAINAGE RE: SPECIFICATIONS
10. ADJACENT HARDSCAPE; RE: CONSTRUCTIN PLANS
11. CONCRETE SUBGRADE RE: CIVIL
12. TREE PAVER GRATE RE: DETAIL 08/ L3.01
13. REMOVALBLE COLLAR RE: DETAIL 08/L3.01
14. COMPACTED AGGREGATE
15. SILVA CELL SYSTEM; RE: 5/L3.01
16. UNDISTURBED SUBGRADE RE: GEOTECH REPORT

IN PROGRESS:
TO BE REPLACED WITH
STRUCTURAL SOIL DETAIL



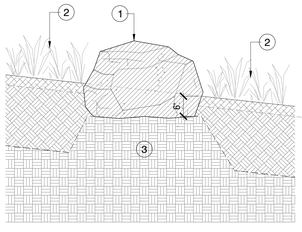
SECTION - TYPICAL TREE PLANTING AT PAVER GRATE 06
PP-AL.AMO.5-41
SCALE: 3/8" = 1'-0"

1. EDGE OF PLANTING BED OR ADJACENT HARDSCAPE
2. PLANT SPACING AS PER PLANS
3. ALTERNATION SEQUENCE WHEN TWO PLANT SPECIES OCCUR IN THE SAME PLANTING AREA



PLAN - SHRUB AND GROUND COVER SPACING 02
PP-AL.AMO.5-PL-1
SCALE: 1/4" = 1'-0"

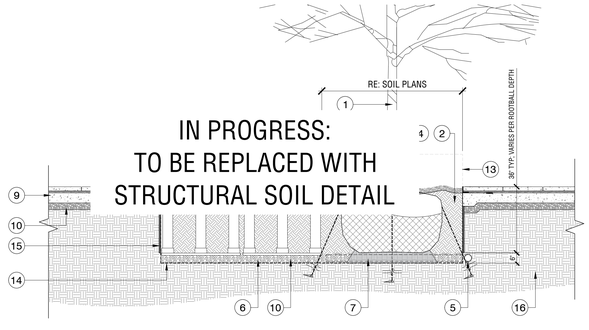
1. STONE BOULDER, RE: CONSTRUCTION SCHEDULE
2. ADJACENT LANDSCAPE PLANTING, RE: PLANTING PLANS
3. COMPACTED SUBGRADE



DETAIL - BOULDER IN LANDSCAPE, TYPICAL 13
PP-AL.AMO.3-CS-209
GRAPHIC SCALE: 3/4" = 1'-0"

1. TREE AND ROOTBALL; RE: PLANTING PLANTS,RE: SPECIFICATIONS -ROOT FLARE TO BE 3" MIN. ABOVE ADJACENT SPECIFIED SOIL MIX -PULL ADJACENT MULCH 3" FROM ROOT FLARE, TYP.
2. PLANTING SOIL; RE: SOIL PLANS -SLOPE FLOOR OF TREE PIT TO DRAIN, TYP -CONTRACTOR TO SCARIFY EDGES OF PLANTING PIT PRIOR TO INSTALL
3. MULCH LAYER; RE: SPECIFICATIONS
4. TREE ANCHOR SYSTEM; RE: SPECIFICATIONS
5. PERFORATED DRAIN PIPE WRAPPED IN FILTER FABRIC -PIPE TO BE LAID IN BED OF 6" DEPTH DRAINAGE GRAVEL
6. DRAINAGE GRAVEL; RE: SPECIFICATIONS
7. COMPACTED SUBGRADE MOUND FOR DRAINAGE RE: SPECIFICATIONS
8. ADJACENT HARDSCAPE; RE: CONSTRUCTIN PLANS
9. CONCRETE SUBGRADE RE: CIVIL
10. COMPACTED AGGREGATE
11. SILVA CELL SYSTEM; RE: 5/L3.01
12. ADJACENT PLANTING RE: PLANTING PLANS
13. FIXED SEATING BEYOND
14. IMPERMEABLE LINER AROUND SIDES AND BOTTOM OF SILVA CELLS AND TREE PITS
15. ROOT BARRIER INSTALLED ALONG SIDES OF SILVA CELLS AND TREE PITS; RE: SOIL PLANS
16. UNDISTURBED SUBGRADE; RE: GEOTECH REPORT

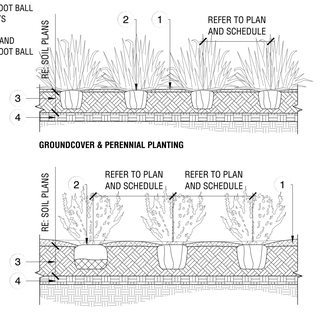
IN PROGRESS:
TO BE REPLACED WITH
STRUCTURAL SOIL DETAIL



SECTION - TYPICAL TREE PLANTING WITH SILVA CELL SUSPENDED TREE PIT 05
PP-AL.AMO.5-14
SCALE: 3/8" = 1'-0"

NOTES:
A. FOR CONTAINER: LOOSEN ROOT BALL OF ANY ROOT BOUND PLANTS
B. FOR B&B: REMOVE BURLAP AND BASKET FROM TOP 2/3 OF ROOT BALL AND REMOVE FROM SITE.

1. 3" MULCH LAYER, TYP.
2. TOP OF ROOT BALL TO BE 1" ABOVE SOIL MIX, TYP.
3. PLANTING MIX, RE: SOIL PLANS
4. PREPARED SUBGRADE, TILLED TO 4"-6" DEPTH, TYP.



SECTION - GROUND COVER AND SHRUB PLANTING, TYP. 01
PP-AL.AMO.5-PL-13
SCALE: 1/2" = 1'-0"

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Seal / Signature

REGISTERED LANDSCAPE ARCHITECT JAMES D. RUNNELS 1483 STATE OF TEXAS

01/05/2024

△ Date	Description
05/19/2023	50% SCHEMATIC DESIGN
08/10/2023	100% SCHEMATIC DESIGN
09/07/2023	DEMOLITION PACKAGE FOR ARCHAEOLOGICAL PERMIT - WESTERN SCOPE
11/02/2023	100% DESIGN DEVELOPMENT
01/05/2024	AREA 5 DEMOLITION MOBILIZATION
01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
PLANTING DETAILS

Scale

L7.00

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Autodesk Docs://22.0076.000 - Alamo Site/22.0076.500 Phase 5.rvt
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Plotted by: Antonio Wolker

CONSTRUCTION NOTES:

1. CONTRACTOR RESPONSIBLE FOR VERIFYING QUANTITIES FOR ALL MATERIALS, FIXTURES, FURNISHINGS, ETC. QUANTITIES ARE PROVIDED HERE FOR REFERENCE ONLY.
2. CONTRACTOR TO PROVIDE PHYSICAL SAMPLES OF EACH FINISH TYPE, AND PROVIDE SHOP DRAWINGS OF ALL FABRICATED CONDITIONS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
3. CONTRACTOR TO VERIFY THE LAYOUT OF ALL MATERIALS IN THE FIELD FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. INCLUDING PAVING, BOLLARDS, TREE GRATES, LIGHT POLE BASES, FOUNTAINS, STEPS, SEATS AND WALLS.
4. CONTRACTOR TO PROTECT ALL HARDSCAPE IN PLACE ONCE CONSTRUCTED, AND TO REPLACE ANY DAMAGED OR CRACKED STONE DURING THE COURSE OF CONSTRUCTION.
5. CONTRACTOR RESPONSIBLE FOR COORDINATION OF ALL MEP AND IRRIGATION SLEEVING BENEATH AND THROUGH HARDSCAPE.
6. MAINTENANCE: ALL REQUIRED LANDSCAPE AREAS SHALL BE MAINTAINED BY OWNER. THE LANDSCAPE AREAS SHALL BE MAINTAINED FREE OF DEBRIS AND LITTER AND ALL PLANT MATERIAL SHALL BE MAINTAINED IN A HEALTHY GROWING CONDITION. DISEASED OR DEAD PLANT MATERIAL SHALL BE SATISFACTORY TREATED OR REPLACED PER THE CONDITIONS OF THE PERMIT.

LAYOUT NOTES:

1. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS, LAYOUT COORDINATES, AND WORK FROM PREVIOUS AND ONGOING CONTRACTS IN THE FIELD. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT FOR DIRECTION IMMEDIATELY BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
2. CONTRACTOR SHALL REQUEST A FIELD REVIEW BY THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE OF THE LAYOUT OF ALL ELEMENTS, AS SHOWN. CONTRACTOR SHALL STAKE ALL LOCATIONS AND OBTAIN APPROVAL FROM THE LANDSCAPE ARCHITECT PRIOR TO THE COMMENCEMENT OF WORK.
3. CONTRACTOR SHALL REQUEST A FIELD REVIEW BY THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE OF ALL SITE LIGHTING FIXTURES, JUNCTION BOXES, TRANSFORMERS, AND PANELS. CONTRACTOR SHALL STAKE ALL LOCATIONS AND OBTAIN APPROVAL FROM THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
4. CONTRACTOR SHALL REQUEST A FIELD REVIEW BY THE LANDSCAPE ARCHITECT OF ALL FORMWORK OR A TYPICAL PORTION OF FORMWORK REPRESENTING SIMILAR WORK. CONTRACTOR SHALL OBTAIN APPROVAL FROM THE LANDSCAPE ARCHITECT OF ALL FORMWORK FOR FLATWORK AND WALL WORK PRIOR TO CONCRETE POURING.
5. CONTRACTOR SHALL COORDINATE ALL LAYOUT WORK POINTS, MONUMENTS, GRID LINES, AND CONTROLS, AMONG ALL TRADES; SPECIFICALLY, BUT NOT LIMITED TO, SITE FORMATION, FLATWORK, AND WALL WORK.
6. CONTRACTOR SHALL REFER TO PAVING OR MATERIALS PLAN(S) FOR ALL FLATWORK AND WALL WORK JOINT LOCATIONS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS VERIFYING JOINT LAYOUT PRIOR TO INSTALLATION.
7. CONTRACTOR SHALL ERECT AND INSTALL ALL WORK LEVEL, PLUMB, SQUARE, TRUE, STRAIGHT, AND IN PROPER ALIGNMENT.
8. CONTRACTOR SHALL NOT SCALE DRAWINGS; CONTRACTOR SHALL USE DIMENSIONS SHOWN.
9. NO DIMENSIONS ARE ADJUSTABLE WITHOUT THE REVIEW AND APPROVAL OF LANDSCAPE ARCHITECT UNLESS NOTED [+/-] FV (FIELD VERIFY).
10. SIMILAR (SIM) MEANS COMPARABLE CHARACTERISTICS FOR THE CONDITIONS NOTED. CONTRACTOR SHALL VERIFY DIMENSIONS AND ORIENTATION ON THE PLANS AND ELEVATIONS.
11. DIMENSIONS NOTED CLEAR (CLR) MUST BE STRICTLY MAINTAINED ALLOWING FOR THICKNESS OF ALL FINISHES. CONTRACTOR SHALL FIELD VERIFY [FV] PRIOR TO CONSTRUCTION.
12. TYPICAL [TYP] MEANS IDENTICAL FOR ALL CONDITIONS UNLESS OTHERWISE NOTED.
13. ALIGN MEANS ACCURATELY LOCATE FINISH FACES IN THE SAME PLANE.
14. EXISTING [EX.] MEANS THAT INDICATED FEATURE EXISTS AT TIME OF INSTALLATION AND SHALL BE PROTECTED IN PLACE.
15. ALL ANGLES ARE ASSUMED TO BE 90 DEGREES UNLESS OTHERWISE NOTED.
16. ALL CURVES FOR PAVING, BANDS, PATHS, EDGING, AND HEADER BOARDS SHALL BE ALIGNED IN A SMOOTH AND CONTINUOUS FASHION AND SHALL MEET ADJACENT SURFACES AT 90 DEGREES, UNLESS OTHERWISE INDICATED. ALL WALK RADII AND CURVES SHALL BE SMOOTH AND CONTINUOUS WITHOUT ABRUPT CHANGES OR BENDS UNLESS OTHERWISE SHOWN.

SITE FURNISHING SCHEDULE

SYMBOL	DESCRIPTION	DETAIL	SPECIFICATION	MANUF./ MODEL	MATERIAL	FINISH	COLOR	QUANTITY	COMMENTS
MOVABLE FURNISHINGS									
MF-01	DINGING CHAIR, TYPE 1	N/A	12 93 00	VESTRE / MUNCH CAFE CHAIR	HOT-DIP GALVANIZED AND POWDER-COATED STEEL	POWDER-COATED	TBD, CUSTOM RAL COLOR	PER PLANS	BASIS OF DESIGN. CONTRACTOR AND OWNER TO HOLD AN ALLOWANCE FOR PURCHASING, TAKING DELIVERY/ STORING, ASSEMBLING AND INSTALLING MOVEABLE & FIXED FURNISHINGS. ALLOWANCE TO BE DETERMINED WITH MEETING BETWEEN CONTRACTOR AND LANDSCAPE ARCHITECT. FURNISHINGS TO INCLUDE LINE ITEMS NOTED HEREIN AND FUTURE ELEMENTS INCORPORATED INTO THE SITE FURNISHING SCOPE. FINAL SITE FURNISHING SELECTIONS TO BE PRESENTED AND SELECTED WITH THE OWNER/ DESIGN TEAM/ CONTRACTOR AT A LATER DATE. https://vestre.com/us/products/chairs/loungechair-1
MF-03	DINING TABLE, TYPE 1	N/A	12 93 00	VESTRE / MUNCH CAFE BISTRO TABLE ROUND	HOT-DIP GALVANIZED AND POWDER-COATED STEEL	POWDER-COATED	TBD, CUSTOM RAL COLOR	PER PLANS	BASIS OF DESIGN. CONTRACTOR AND OWNER TO HOLD AN ALLOWANCE FOR PURCHASING, TAKING DELIVERY/ STORING, ASSEMBLING AND INSTALLING MOVEABLE & FIXED FURNISHINGS. ALLOWANCE TO BE DETERMINED WITH MEETING BETWEEN CONTRACTOR AND LANDSCAPE ARCHITECT. FURNISHINGS TO INCLUDE LINE ITEMS NOTED HEREIN AND FUTURE ELEMENTS INCORPORATED INTO THE SITE FURNISHING SCOPE. FINAL SITE FURNISHING SELECTIONS TO BE PRESENTED AND SELECTED WITH THE OWNER/ DESIGN TEAM/ CONTRACTOR AT A LATER DATE.
MF-10	MOVABLE PLANTER POT, TYPE 1	-	12 93 00	QCP / CASCADE ROUND QR-CE3624P (36"DIA. x 24"H)	GFRC PRECAST CONCRETE	HONED, FACTORY SEALED	LATTE	PER PLANS	LAYOUT PER PLANS. PROVIDE SHOP DRAWINGS, SAMPLES, AND MOCK-UP WITH PLANTING MATERIAL FOR LANDSCAPE ARCHITECT AND OWNER REVIEW AND APPROVAL PRIOR TO INSTALL. ALL PLANTER POTS TO BE FREESTANDING UNLESS NOTED OTHERWISE. INSTALL PER MANUFACTURER RECOMMENDATIONS; CONTACT SCOTT ULRICH AT QCP, 760.500.8609. CONTRACTOR SHALL INCLUDE IRRIGATION RESERVOIR SYSTEM IN EACH PLANTER, TYPICAL.
MF-11	MOVABLE PLANTER POT, TYPE 2	-	12 93 00	QCP / CASCADE ROUND QR-CE3630P (36"DIA. x 30"H)	GFRC PRECAST CONCRETE	HONED, FACTORY SEALED	LATTE	PER PLANS	LAYOUT PER PLANS. PROVIDE SHOP DRAWINGS, SAMPLES, AND MOCK-UP WITH PLANTING MATERIAL FOR LANDSCAPE ARCHITECT AND OWNER REVIEW AND APPROVAL PRIOR TO INSTALL. ALL PLANTER POTS TO BE FREESTANDING UNLESS NOTED OTHERWISE. INSTALL PER MANUFACTURER RECOMMENDATIONS; CONTACT SCOTT ULRICH AT QCP, 760.500.8609. CONTRACTOR SHALL INCLUDE IRRIGATION RESERVOIR SYSTEM IN EACH PLANTER, TYPICAL.

NOTES:
1. REFER TO L1.00 CONSTRUCTION SCHEDULE FOR MISCELLANEOUS ITEMS, BOLLARDS, AND LIGHTING.

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Seal / Signature

JAMES D. BURNETT 1485 STATE OF TEXAS
01/05/2024

Date	Description
05/19/2023	50% SCHEMATIC DESIGN
08/10/2023	100% SCHEMATIC DESIGN
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01/05/2024	AREA 5 DEMOLITION MOBILIZATION
01/24/2024	AREA 5 DEMOLITION MOBILIZATION REV. 1
06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
SITE FURNISHINGS SCHEDULE AND NOTES

Scale

L8.00

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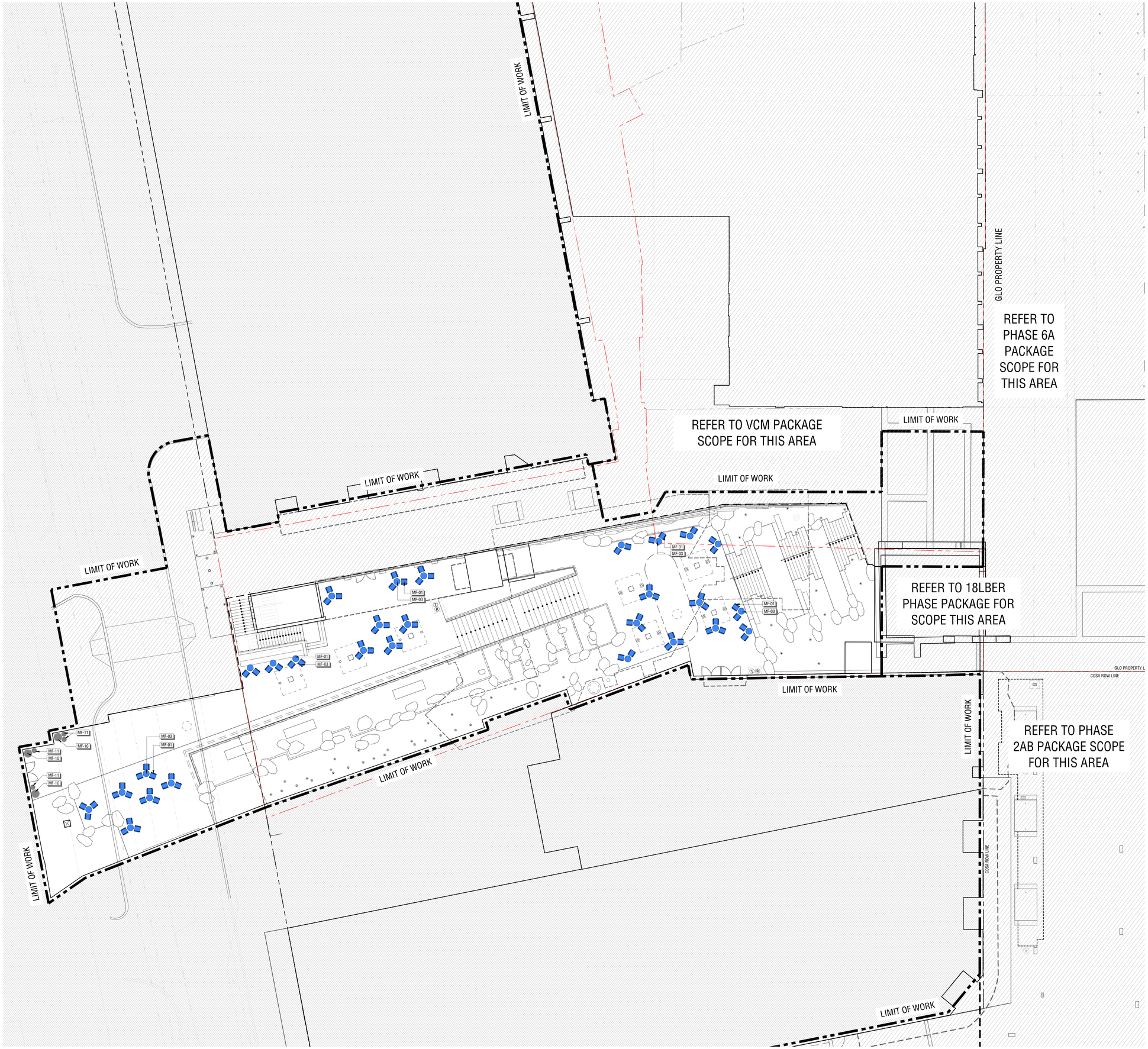

FURNITURE SCHEDULE

REFERENCE L8.00 FOR FULL FURNITURE SCHEDULE

MOVABLE FEATURES		DESCRIPTION
MF-01		DINGING CHAIR, TYPE 1
MF-03		DINING TABLE, TYPE 1
MF-10		MOVABLE PLANTER POT, TYPE 1
MF-11		MOVABLE PLANTER POT, TYPE 2

NOTES:

1. REFERENCE SHEET L8.00 FOR FULL SITE FURNISHING SCHEDULE.
2. CONTRACTOR TO SEND LANDSCAPE ARCHITECT AND CLIENT PURCHASE ORDER OF FURNISHINGS PRIOR TO PLACING FINAL ORDER WITH MANUFACTURER.
3. CONTRACTOR SHALL PROTECT AND MAINTAIN IN PLACE ALL EXISTING HARDSCAPE UNLESS SPECIFICALLY DIRECTED OTHERWISE BY LANDSCAPE ARCHITECT/ CLIENT.
4. ALL FURNITURE FINISHES, LOCATIONS AND QUANTITIES TO BE VERIFIED BY LANDSCAPE ARCHITECT/ CLIENT PRIOR TO PLACEMENT.
5. ALL FURNISHINGS MAY BE SUBJECT TO MOVEMENT AND RELOCATION. LANDSCAPE ARCHITECT/ CLIENT SHALL BE CONSULTED PRIOR TO PLACEMENT.

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REGISTERED LANDSCAPE ARCHITECT JAMES D. BURNETT 1405 STATE OF TEXAS

01/05/2024

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06/13/2024	50% CONSTRUCTION DOCUMENTS

Project Name
ALAMO SITE: AREA 5 - LOWER PASEO

Project Number
122.0076.500

Description
SITE FURNISHINGS PLAN

Scale
1" = 10'-0"

L8.01

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Plotted by: Antonios Wolker