

ALAMO TRUST INC.

ALAMO SITE - AREA 2C - PROMENADE

ISSUE FOR CONSTRUCTION JUNE 19, 2024

317-323 Alamo Plaza
518 E. Houston Street
San Antonio, TX 78205

PROJECT NUMBER: 122.0076.202
TABS NUMBER: TABS# 2024021316



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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 "N/C" 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.

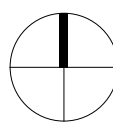
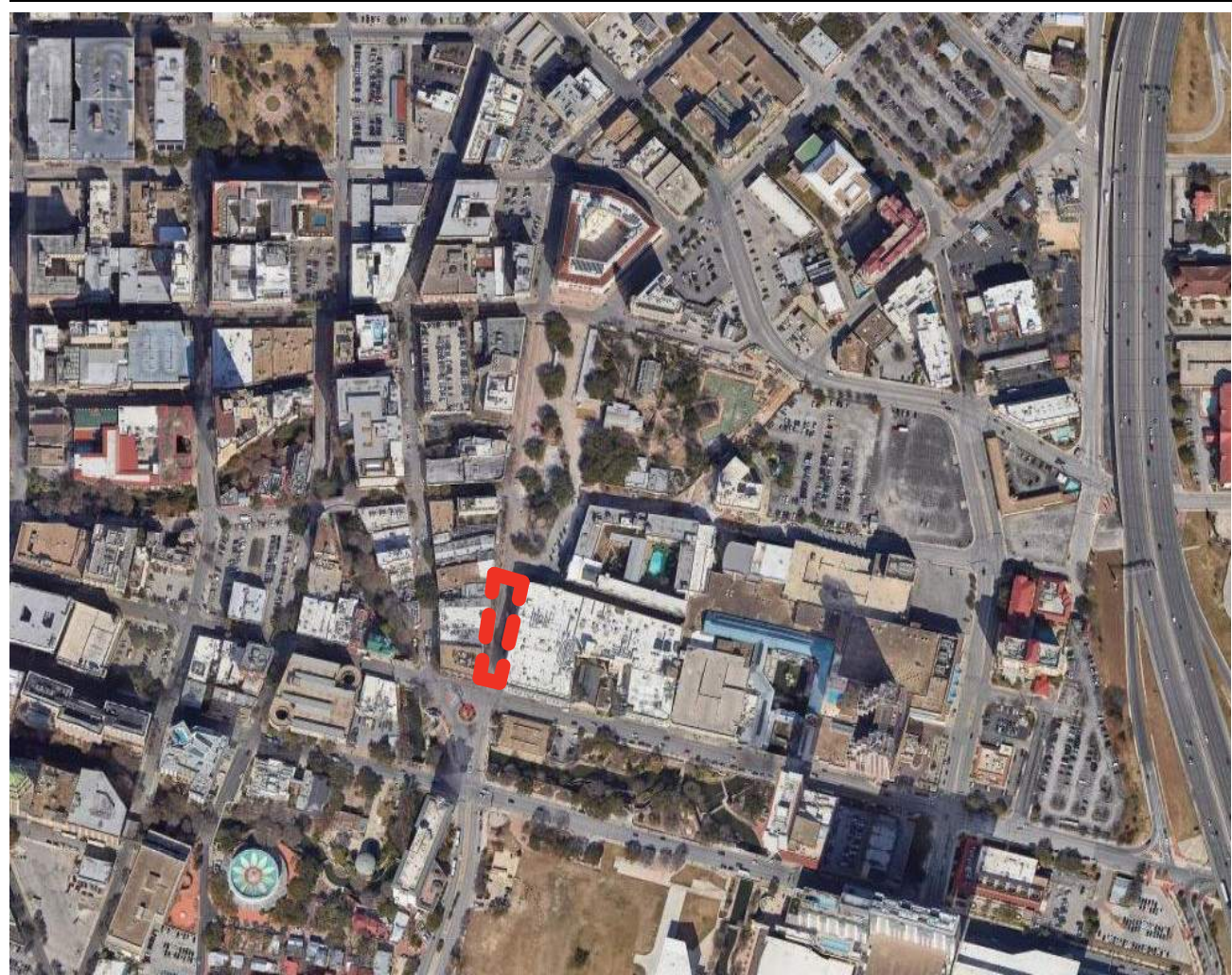
PROJECT INFORMATION

PROJECT DESCRIPTION:	THE ALAMO PROMENADE, LOCATED IN SAN ANTONIO, TEXAS, WILL BE PEDESTRIANIZED, RESURFACED AND REPAVED, WITH NEW TREES AND PLANTINGS, IN-GRADE PLANTERS, INTERPRETIVE SIGNAGE AND ARTWORK WILL FRAME WALKWAYS, SUPPORTED BY UPDATED SITE UTILITIES, 313 ALAMO PLAZA, SAN ANTONIO, TX 78205
BUILDING ADDRESS:	
BLOCK AND LOT NO.:	N/A
ZONING BUILDING CODE:	2021 INTERNATIONAL BUILDING CODE W/ COSA AMENDMENTS
OCCUPANCY TYPE:	--
CONSTRUCTION TYPE:	--
PROJECT AREA:	23965 SF
FIRE PROTECTION:	FIRE LANE ACCESS ADJACENT
APPLICABLE MUNICIPAL BUILDING CODE:	
BUILDING CODE:	2021 INTERNATIONAL BUILDING CODE - LOCAL AMENDMENTS
PLUMBING CODE:	2021 INTERNATIONAL PLUMBING CODE (IPC) - LOCAL AMENDMENTS
MECHANICAL CODE:	2021 INTERNATIONAL MECHANICAL CODE (IMC) - LOCAL AMENDMENTS
ELECTRICAL CODE:	2020 NATIONAL ELECTRICAL CODE - LOCAL AMENDMENTS
FIRE/LIFE SAFETY CODE:	2021 INTERNATIONAL FIRE CODE - LOCAL AMENDMENTS
ACCESSIBILITY CODE:	2021 STATE OF TEXAS ACCESSIBILITY STANDARDS
ENERGY CODE:	2021 INTERNATIONAL ENERGY CONSERVATION CODE - LOCAL AMENDMENTS

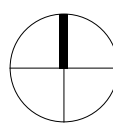
CODE COMPLIANCE NOTE

CURRENT CONSTRUCTION DOES NOT CHANGE THE OCCUPANCY TYPE.

VICINITY MAP



LOCATION MAP



DRAWING INDEX - 2C			
SHEET NO.	SHEET NAME	CURRENT ISSUE DATE	ISSUE FOR CONSTRUCTION
GENERAL			
G0.000	COVER	06/19/2024	•
G0.001	DRAWING INDEX	06/19/2024	•
G0.010	GENERAL INFORMATION	06/19/2024	•
CIVIL			
C0.01	GENERAL CONSTRUCTION NOTES	06/19/2024	•
C0.10	EXISTING CONDITION PLAN	06/19/2024	•
C0.20	STORMWATER POLLUTION PREVENTION PLAN	06/19/2024	•
C0.30	STORMWATER POLLUTION PREVENTION DETAILS	06/19/2024	•
C0.40	DEMOLITION PLAN	06/19/2024	•
C0.40A	DEMOLITION PLAN (ALTERNATE BID)	06/19/2024	•
C1.00	DIMENSIONAL CONTROL PLAN	06/19/2024	•
C1.00A	DIMENSIONAL CONTROL PLAN (ALTERNATE BID)	06/19/2024	•
C1.10	CIVIL DETAILS	06/19/2024	•
C2.00	SUBSLAB PLAN	06/19/2024	•
C2.00A	SUBSLAB PLAN (ALTERNATE BID)	06/19/2024	•
C3.00	GRADING PLAN	06/19/2024	•
C3.00A	GRADING PLAN (ALTERNATE BID)	06/19/2024	•
C4.00	DRAINAGE PLAN	06/19/2024	•
C4.00A	DRAINAGE PLAN (ALTERNATE BID)	06/19/2024	•
C4.10	DRAINAGE DETAILS	06/19/2024	•
C5.00	UTILITY GENERAL NOTES	06/19/2024	•
C5.10	DRY UTILITY GENERAL NOTES	06/19/2024	•
C6.00	UTILITY DEMOLITION PLAN	06/19/2024	•
C6.00A	UTILITY DEMOLITION PLAN (ALTERNATE BID)	06/19/2024	•
C7.00	UTILITY PLAN	06/19/2024	•
C7.00A	UTILITY PLAN (ALTERNATE BID)	06/19/2024	•
C7.01	SEWER PROFILE	06/19/2024	•
C7.02	SEWER PROFILE	06/19/2024	•
C7.03	SEWER PROFILE	06/19/2024	•
C7.04	SEWER PROFILE	06/19/2024	•
C7.10	UTILITY PLAN DETAILS	06/19/2024	•
C8.00	DRY UTILITY PLAN	06/19/2024	•
C8.00A	DRY UTILITY PLAN (ALTERNATE BID)	06/19/2024	•
C8.10	DRY UTILITY PLAN DETAILS	06/19/2024	•
CS100	ALAMO SITE - AREA 2C - PROMENADE	06/19/2024	•

LANDSCAPE		
L0.00	ORIENTATION PLAN	06/19/2024 •
L0.10	TREE PROTECTION LEGEND & NOTES	06/19/2024 •
L0.11	TREE PROTECTION PLANS	06/19/2024 •
L1.00	CONSTRUCTION LEGEND & NOTES	06/19/2024 •
L1.01	CONSTRUCTION PLANS - EAST SCULPTURE TRAIL	06/19/2024 •
L1.02	CONSTRUCTION PLANS - WEST PROMENADE	06/19/2024 •
L2.01	SITE SECTIONS	06/19/2024 •
L3.00	CONSTRUCTION DETAILS	06/19/2024 •
L3.01	CONSTRUCTION DETAILS	06/19/2024 •
L3.02	CONSTRUCTION DETAILS	06/19/2024 •
L3.03	CONSTRUCTION DETAILS	06/19/2024 •
L3.04	CONSTRUCTION DETAILS	06/19/2024 •
L3.05	CONSTRUCTION DETAILS	06/19/2024 •
L4.01A	SOIL PLANS - EAST SCULPTURE TRAIL	06/19/2024 •
L4.01B	GRADING PLAN - EAST SCULPTURAL TRAIL	06/19/2024 •
L4.02	SOIL PLANS - WEST PROMENADE	06/19/2024 •
L4.50	SOILS DETAILS	06/19/2024 •
L5.00	IRRIGATION LEGEND & NOTES	06/19/2024 •
L5.01	IRRIGATION PLANS	06/19/2024 •
L5.02	IRRIGATION DETAILS	06/19/2024 •
L6.00	PLANTING SCHEDULE & NOTES	06/19/2024 •
L6.01A	TREE PLANS - EAST SCULPTURE TRAIL	06/19/2024 •
L6.01B	PLANTING PLANS - EAST SCULPTURE TRAIL	06/19/2024 •
L6.02A	TREE PLANS - WEST PROMENADE	06/19/2024 •
L6.02B	PLANTING PLANS - EAST PROMENADE	06/19/2024 •
L7.01	PLANTING DETAILS	06/19/2024 •
L7.02	PLANTING DETAILS	06/19/2024 •

STRUCTURAL		
S1.01	TYPICAL ABBREVIATIONS, SYMBOLS AND PLAN NOTES	06/19/2024 •
S1.02	GENERAL NOTES	06/19/2024 •
S2.01	PROMENADE SITE PLAN	06/19/2024 •
S3.00	TYPICAL CONCRETE DETAILS	06/19/2024 •

ELECTRICAL		
E0.00	ELECTRICAL - AREA 2C - SYMBOLS, ABBREVIATIONS & SHEET LIST	06/19/2024 •
E0.01	ELECTRICAL - AREA 2C - GENERAL NOTES	06/19/2024 •
E0.11	ELECTRICAL - AREA 2C - SCHEDULES	06/19/2024 •
E1.04	ELECTRICAL - AREA 2C - DEMOLITION PLAN - PROMENADE	06/19/2024 •
E1.14	ELECTRICAL - AREA 2C - ELECTRICAL PLAN - PROMENADE	06/19/2024 •
E5.01	ELECTRICAL - AREA 2C - DIAGRAMS, PART PLANS	06/19/2024 •

DATA		
T0.001	LEGEND AND NOTES - COMMUNICATIONS	06/19/2024 •
T0.100	2C MAJOR PATHWAY SITE PLAN - COMMUNICATIONS	06/19/2024 •
T0.110	FULL BUILD 2C MINOR PATHWAY - SITE PLAN - COMMUNICATIONS	06/19/2024 •
T4.001	GENERAL DETAILS - COMMUNICATIONS	06/19/2024 •

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Seal / Signature

Date	Description
06/19/2024	ISSUE FOR CONSTRUCTION

Project Name

ALAMO SITE - AREA 2C -
PROMENADE

Project Number

122.0076.202

Description

DRAWING INDEX

Scale

NOT TO SCALE

G0.001

ABBREVIATIONS

# &	CENTERLINE NUMBER AND	H	HC HOSE BIB HD HOLLOW CORE HDG HOT DIPPED GALVANIZED HWD HARDWOOD HWE HOLLOW METAL HORIZ HORIZONTAL HP HIGH POINT HR HOUR HSS HOLLOW STRUCTURAL SECTION HT HEIGHT HVAC HEATING, VENTILATING, AND AIR CONDITIONING	S	SC SOLID CORE SCR SCRIBE SECUR SECURITY SF SQUARE FEET SG SINGLE SHDRG SHORING SIM SIMILAR SPKR SPEAKER SPR SPRINKLER STL STAINLESS STEEL ST ST STD STANDARD STEEL STRFR STOREFRONT STRUCT STRUCTURAL SURF SURFACE SUSP SUSPENDED SYMBOL SYMBOL SYMM SYMMETRICAL SYSTEM(S)
A	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	I	IBC INTERNATIONAL BUILDING CODE ID INSIDE DIAMETER OR INTERIOR DESIGN (ER) IE INVERT ELEVATION INFILTR INFILTRATION INFO INFORMATION INSTRUM INSTRUMENTATION INSUL INSULATION INT INTERIOR INTLK INTERLOCK(ING)	T	T&G TONGUE AND GROOVE TC TERRAZZO TEMPORARY TERR TERRAZZO THK THICK (NESS) TILE TILE TLC TOP OF CONCRETE TOFF TOP OF FINISH FLOOR TOS TOP OF STEEL TOW TOP OF WALL TRAF TRAFFIC TRANSP TRANSPARENT TRTD TREATED TSTAT THERMOSTAT TV TELEVISION TYP TYPICAL
B	BB BACK TO BACK BD BOARD BLOG BUILDING BLDG BLOCKING BOH BACK OF HOUSE BOLL BOLLARD BRODM BROADLOOM BU BUILT UP	J	JAN JANITOR JT JOINT	U	UC UNDERCUT US UNDERSIDE UNDRLAY UNDERLAYMENT UNO UNLESS NOTED OTHERWISE URNAL URINAL UTIL UTILITY
C	CAB CABINET CC CONCRETE CURB CEM CEMENT(THOUS) 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 COLG COILING CONC CONCRETE CONSTR CONSTRUCTION CONT CONTINUOUS(ATION) CONTR CONTRACT(OR) COV COVER COP CARPET	K	KIT KITCHEN KO KNOCK OUT	V	VAR VARIES VCT VINYL COMPOSITION TILE VEH VEHICLE VERT VERTICAL VERIF VERIFY IN FIELD VNR VENEER VT VINYL TILE
D	DBL DOUBLE DEM DEMOLITION/DEMOLISH DEPT DEPARTMENT DES DESIGNED DET DETAIL DF DRINKING FOUNTAIN DIA DIAMETER DIFF DIFFUSER DIM DIMENSION DISP DISPENSER DIST DISTANCE DIV DIVISION DN DOWN DND DOWN DISCON DISCONNECT DWG DRAWING DWR DRAWER	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)	W	WI WITH WIO WITHOUT WW WALL TO WALL WC WATER CLOSET WD WOOD WDO WINDOW WF WIDE FLANGE WPM WATERPROOF MEMBRANE WT WEIGHT WTRPRF WATERPROOFING
E	EA EACH EJ EXPANSION JOINT EIC EXPANSION JOINT COVER ELAST ELASTOMERIC ELEC ELECTRICAL EMBED EMBEDDED(ING) ENR ENGINEERED ENTR ENTRANCE EQH EQUAL EQUIP EQUIPMENT ET EPOXY TERRAZZO EXIST EXISTING EXPS EXPOSED(D) EXT EXTERIOR	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	X	NOT APPLICABLE NOT IN CONSTRUCT NUMBER NOM NOMINAL NTS NOT TO SCALE
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 RATING(ED) FRMG FRAMING FURN FURNITURE FWC FABRIC WALL COVERING FXD FIXED	N	NA NOT APPLICABLE NC NOT IN CONSTRUCT NO NUMBER NOM NOMINAL NTS NOT TO SCALE	Y	YIELD
G	GA GAUGE GALV GALVANIZED GFRG GLASS FIBER REINFORCED CONCRETE GFRG GLASS FIBER REINFORCED GYPSUM GFRP GLASS FIBER REINFORCED PLASTER GL GLASS GR GRADIE(ING) GRD GROUND GRL GROUND FLOOR GYP GYPSUM	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	Z	ZONE

GRAPHIC SYMBOLS

REFLECTED CEILING

LEGEND OF COMMON SYMBOLS

MATERIALS IN SECTION

CONSTRUCTION

MATERIALS IN ELEVATION

KEYNOTE DESCRIPTION

MECHANICAL FIXTURES

FINISH

WALL MTD DEVICES

WALL MOUNTED SECURITY DEVICES

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Description
GENERAL INFORMATION

Scale
NOT TO SCALE

G0.010

Date: Jun 17, 2024, 3:50pm User ID: mcdawson
File: P:\Projects\2024\250pm User ID: mcdawson

DEMOLITION NOTES	PAVEMENT & STRIPING NOTES	DIMENSIONAL CONTROL NOTES	GRADING NOTES	DRAINAGE NOTES	COSA GENERAL NOTES
<div>1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL NECESSARY PERMITS/APPROVALS BEFORE BEGINNING DEMOLITION.</div> <div>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.</div> <div>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.</div> <div>4. CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH ALL UTILITY COMPANIES REGARDING REMOVAL OF EXISTING SERVICES, POWER LINES 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.</div> <div>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.</div> <div>6. ALL NECESSARY EROSION CONTROL MEASURES ARE TO BE MAINTAINED AND IN WORKING CONDITION AT ALL TIMES.</div> <div>7. CONTRACTOR SHALL CONFORM WITH THE OWNER OR HIS DESIGNATE WHETHER TO SALVAGE AND MAKE ARRANGEMENTS TO STORE TRANSPLANTABLE TREES PRIOR TO REMOVAL.</div> <div>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.</div> <div>9. NO PARKING AND/OR STORAGE SHALL BE ALLOWED WITHIN THE DRIP LINE OF THE TREES TO REMAIN.</div> <div>10. THE CONTRACTOR SHALL SAW CUT EXISTING PAVEMENT, CURBS AND SIDEWALKS AT NEW PAVEMENT, CURB AND SIDEWALK JUNCTIONS, NO JAGGED OR IRREGULAR CUTS WILL BE ACCEPTED.</div> <div>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.</div> <div>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.</div> <div>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.</div> <div>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 GROUND FREE OF REBAR, WIRE MESH AND DEBRIS AND CAN MEET GEOTECHNICAL SPECIFICATIONS.</div> <div>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.</div> <div>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.</div> <div>17. THE USE OF EXPLOSIVES WILL NOT BE PERMITTED.</div> <div>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.</div> <div>19. THE CONTRACTOR SHALL MAINTAIN THE SITE IN A CLEAN AND ORDERLY MANNER.</div> <div>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.</div>	<div>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 TDOT STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (LATEST EDITION).</div> <div>2. THE CONTRACTOR SHALL LOCATE AND PROTECT ALL EXISTING UTILITY AND STORM DRAIN SYSTEMS PRIOR TO CONSTRUCTION.</div> <div>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).</div> <div>4. THE CONTRACTOR SHALL VERIFY ELEVATIONS AND LOCATIONS OF EXISTING FACILITIES AND NOTIFY THE ENGINEER OF ANY CONFLICTS PRIOR TO BEGINNING CONSTRUCTION.</div> <div>5. ALL PAINT SHALL BE A WIDE REFLECTIVE PAINT: WHITE ON ASPHALT PAVING AND YELLOW ON CONCRETE UNLESS OTHERWISE NOTED ON THE DRAWINGS.</div> <div>6. ALL PAVEMENT MARKINGS SHALL RECEIVE TWO COATS OF PAINT.</div> <div>7. NO WORK SHALL BE PERFORMED IN A PUBLIC RIGHT-OF-WAY WITHOUT A PERMIT.</div> <div>8. ALL SIGNS SHALL CONFORM TO MUTCD, LATEST EDITION.</div> <div>9. THE CONTRACTOR SHALL SAW CUT EXISTING PAVING, CURB, AND SIDEWALKS TO PROVIDE A SMOOTH TRANSITION. NO JAGGED OR IRREGULAR EDGES WILL BE ALLOWED.</div> <div>10. ALL CURBS WITHIN PRIVATE PROPERTY SHALL BE 6" HIGH AND ALL CURBS WITHIN PUBLIC RIGHT-OF-WAY SHALL BE 7" HIGH UNLESS OTHERWISE NOTED.</div> <div>11. ALL STANDARD PERPENDICULAR PARKING STALLS ARE 9' X 18' AND COMPACT PARKING STALLS ARE 8' X 16' UNLESS DIMENSIONED OTHERWISE.</div>	<div>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.</div> <div>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.</div> <div>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.</div> <div>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.</div> <div>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 BEAR 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 BEAR COUNTY.)</div> <div>6. BENCHMARK ELEVATIONS ARE BASED ON NAVD 88, GEOID 03.</div> <div>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.</div> <div>8. CURB RADI ARE 3' UNLESS OTHERWISE NOTED ON THE DRAWINGS.</div> <div>9. REFER TO THE ARCHITECTURAL, STRUCTURAL, AND LANDSCAPE PLANS AS APPLICABLE FOR ADDITIONAL DIMENSIONAL CONTROL INFORMATION.</div> <div>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.</div>	<div>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 TDOT STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (LATEST EDITION).</div> <div>2. SITE PREPARATION, GRADING, EXCAVATION AND FILL SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT GEOTECHNICAL REPORT AND SPECIFICATIONS.</div> <div>3. ALL SELECT FILL MATERIAL PROVIDED SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING AND COMPACTING.</div> <div>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.</div> <div>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.</div> <div>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.</div> <div>7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS, TESTS, APPROVALS AND ACCEPTANCES REQUIRED TO COMPLETE CONSTRUCTION OF THIS PROJECT.</div> <div>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.</div> <div>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.</div> <div>10. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS (EROSION CONTROL MEASURES) TO KEEP DRAINAGE AND SILT FROM WASHING ONTO ADJACENT PROPERTY, STREETS, OR DRAINAGEWAYS. CONTRACTOR SHALL IMMEDIATELY REMOVE SILT/DEBRIS WHICH WASHES OFFSITE OR INTO EXISTING STORM DRAIN SYSTEMS. (SEE SWPPP PLANS & TPDES BOOK).</div> <div>11. THE CONTRACTOR SHALL OBTAIN GRADES SHOWN HEREON WITHIN +/- ONE-TENTH (0.10) FOOT.</div> <div>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 2:08 UNLESS OTHERWISE SHOWN.</div> <div>13. ACCESSIBILITY: SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%. SIDEWALK LONGITUDINAL SLOPE ALONG ACCESSIBLE ROUTES SHALL NOT EXCEED 3%, UNLESS OTHERWISE NOTED. SIDEWALK CURB RAMP 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.</div> <div>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).</div> <div>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.</div> <div>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.</div> <div>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.</div> <div>18. NO WORK SHALL BE PERFORMED IN A PUBLIC RIGHT-OF-WAY WITHOUT A PERMIT.</div>	<div>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 TADOT.</div> <div>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.</div> <div>3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING TO ORIGINAL OR BETTER CONDITION DAMAGE DONE TO EXISTING FENCES, CURBS, STREETS, DRIVEWAYS, LANDSCAPING AND STRUCTURES.</div> <div>4. CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ALL WASTE MATERIALS UPON PROJECT COMPLETION.</div> <div>5. WATER JETTING THE BACKFILL OF STORM DRAIN TRENCHES WILL NOT BE PERMITTED.</div> <div>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.</div> <div>7. CONTRACTOR SHALL ENSURE PROPER SIZE OF JUNCTION BOXES NEEDED WHERE INDICATED ON PLAN. CONTRACTOR SHALL CONNECT STORM DRAIN PIPE TO JUNCTION BOXES PER MANUFACTURER'S SPECIFICATIONS.</div> <div>8. ALL STORM DRAIN TO JUNCTION BOX CONNECTIONS SHALL HAVE CONCRETE COLLARS.</div> <div>9. ALL GRATE INLETS MUST BE H200 EQUIVALENT RATED GRATES.</div> <div>10. TOPS OF MANHOLES, JUNCTION BOXES AND GRATES SHALL BE SET FLUSH TO FINISHED SURFACE BASED UPON GRADING PLAN.</div> <div>11. CONTRACTOR SHALL GROUT INVERTS OF ALL STORM DRAIN INLETS, JUNCTION BOXES, AND DROP STRUCTURES TO DRAIN.</div>	<div>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.</div> <div>2. ALL TREES SHALL REMAIN UNLESS NOTED ON THE PLANS.</div> <div>3. NO SITE PREPARATION WORK SHALL BEGIN IN AREAS WHERE TREE PRESERVATION AND TREATMENT MEASURES HAVE NOT BEEN COMPLETED AND APPROVED.</div> <div>4. TREE PROTECTION FENCING SHALL BE REQUIRED. TREE PROTECTION FENCING SHALL BE INSTALLED, MAINTAINED AND REPAIRED BY THE CONTRACTOR DURING SITE CONSTRUCTION.</div> <div>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.</div> <div>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 WOULD 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.</div> <div>7. ACCESS TO FENCED AREAS WILL BE PERMITTED ONLY WITH THE APPROVAL OF THE ENGINEER OR CITY INSPECTOR.</div> <div>8. GRADING, IF REQUIRED, SHALL BE LIMITED TO A 3 INCH CUT OR FILL WITHIN THE FENCED ROOT ZONE AREAS.</div> <div>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.</div> <div>10. TREES DAMAGED OR LOST DUE TO CONTRACTOR'S NEGLIGENCE DURING CONSTRUCTION SHALL BE MITIGATED TO THE ENGINEER'S SATISFACTION.</div> <div>11. EXPOSED ROOTS SHALL BE COVERED AT THE END OF EACH DAY USING TECHNIQUES SUCH AS COVERING WITH SOIL, MULCH OR WET BURLAP.</div> <div>12. ANY TREE REMOVAL SHALL BE APPROVED BY THE CITY ARBORIST PRIOR TO ITS REMOVAL.</div>

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6/17/2024
Seal/Signature
Date Description
06/19/2024 ISSUE FOR CONSTRUCTION

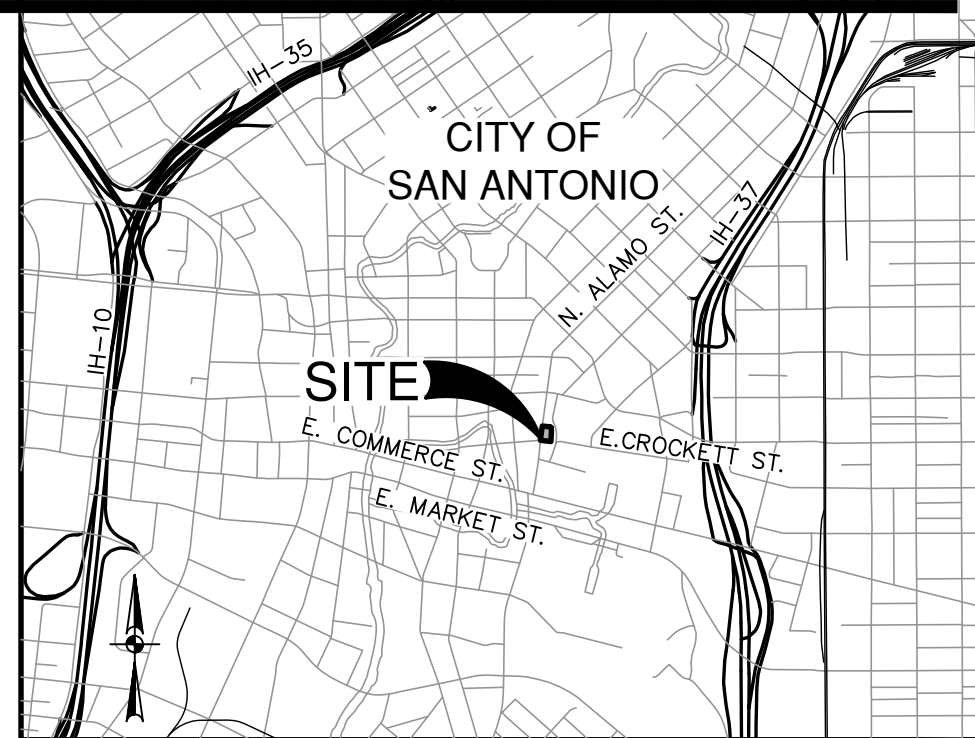
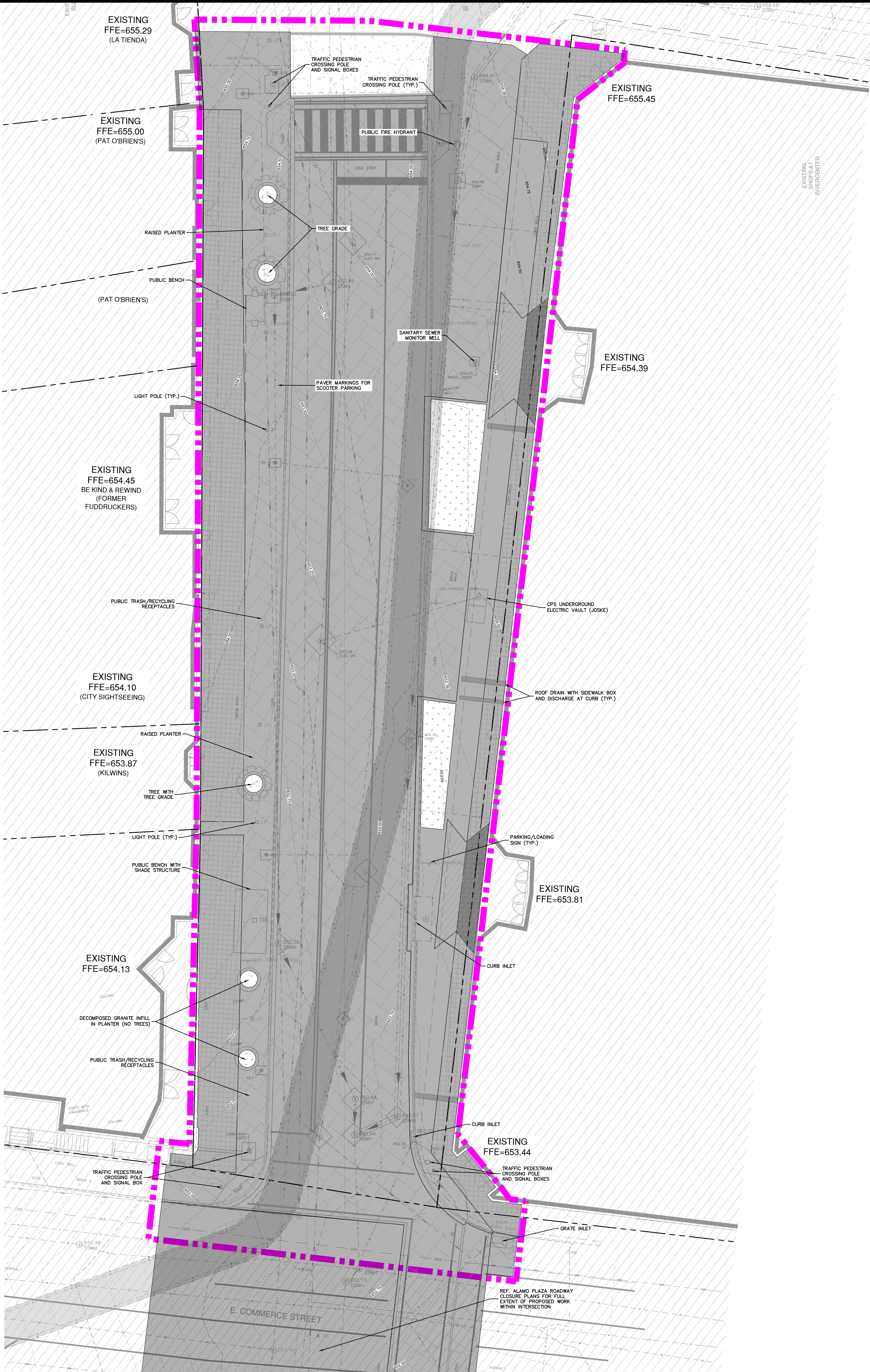
Project Name
ALAMO SITE - AREA 2C - PROMENADE
Project Number
11078-68
Description
GENERAL CONSTRUCTION NOTES
Scale

PAPE-DAWSON
ENGINEERS
SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TYPE FIRM REGISTRATION #470 | TYPE L FIRM REGISTRATION #1022860

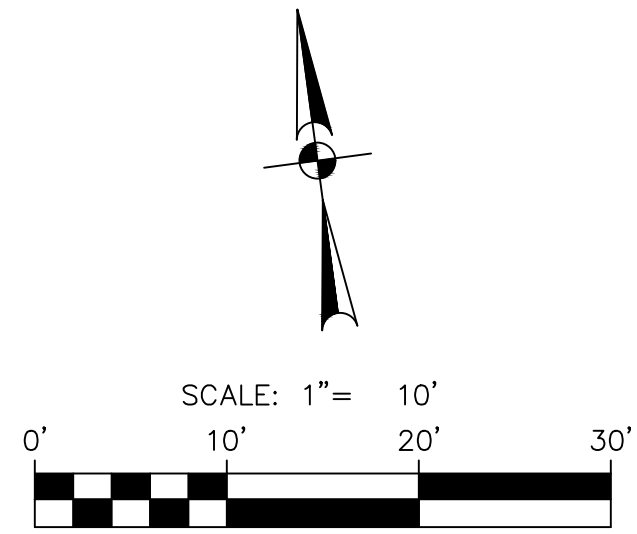
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LOCATION MAP
NOT-TO-SCALE



LEGEND

PROPERTY LINE	---
EXISTING UTILITIES	---
WATER	---
SEWER	---
DRAINAGE	---
DRAINAGE (BOX CULVERT)	---
ELECTRIC	---
COMMUNICATION	---
GAS	---
EXISTING CURB	---
EXISTING BUILDING	---
EXISTING TREES	---
LIMITS OF WORK	---
EXISTING SIDEWALKS, PAVEMENT, STRUCTURES, CURB, STRIPING, ETC.	---
EXISTING CONCRETE/BRICK PAVERS ROAD/SIDEWALK	---
EXISTING ASPHALT	---
EXISTING TERRAZZO	---
EXISTING CONCRETE/PAVERS OVER BASEMENT	---
EXISTING PLANTER AREA/SOD	---
EXISTING TEMPORARY CONCRETE (PHASE 2B)	---

NOTE:
REFERENCE SHEET C0.01 FOR GENERAL CONSTRUCTION NOTES

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AVITT SECURITY

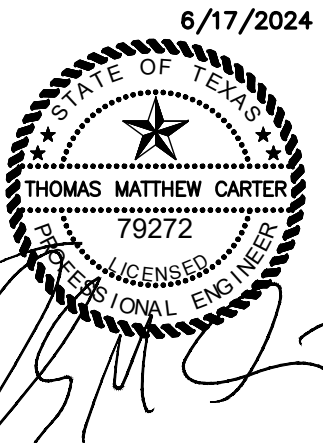
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Seal / Signature

Date	Description
06/19/2024	ISSUE FOR CONSTRUCTION

Project Name

ALAMO SITE - AREA 2C -
PROMENADE

Project Number

11078-68

Description

EXISTING CONDITION PLAN

Scale

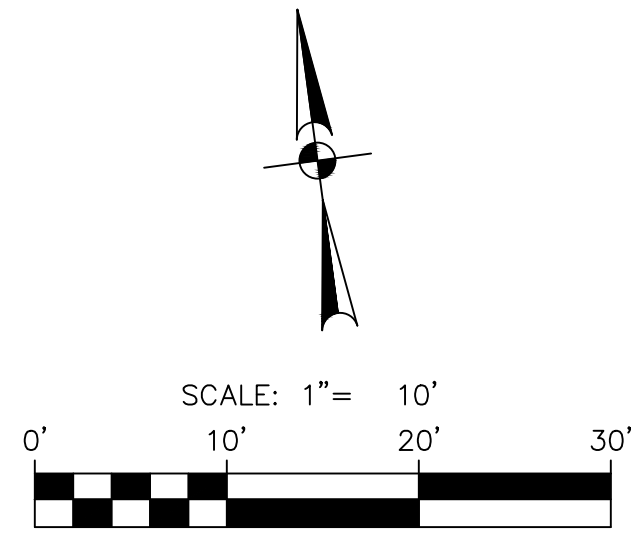
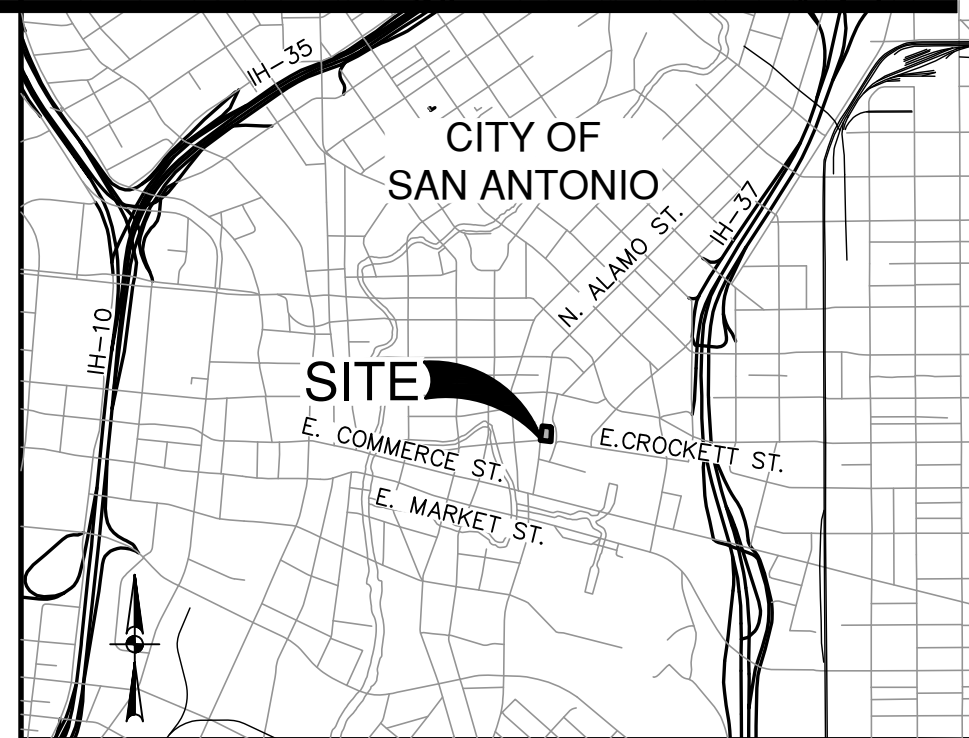
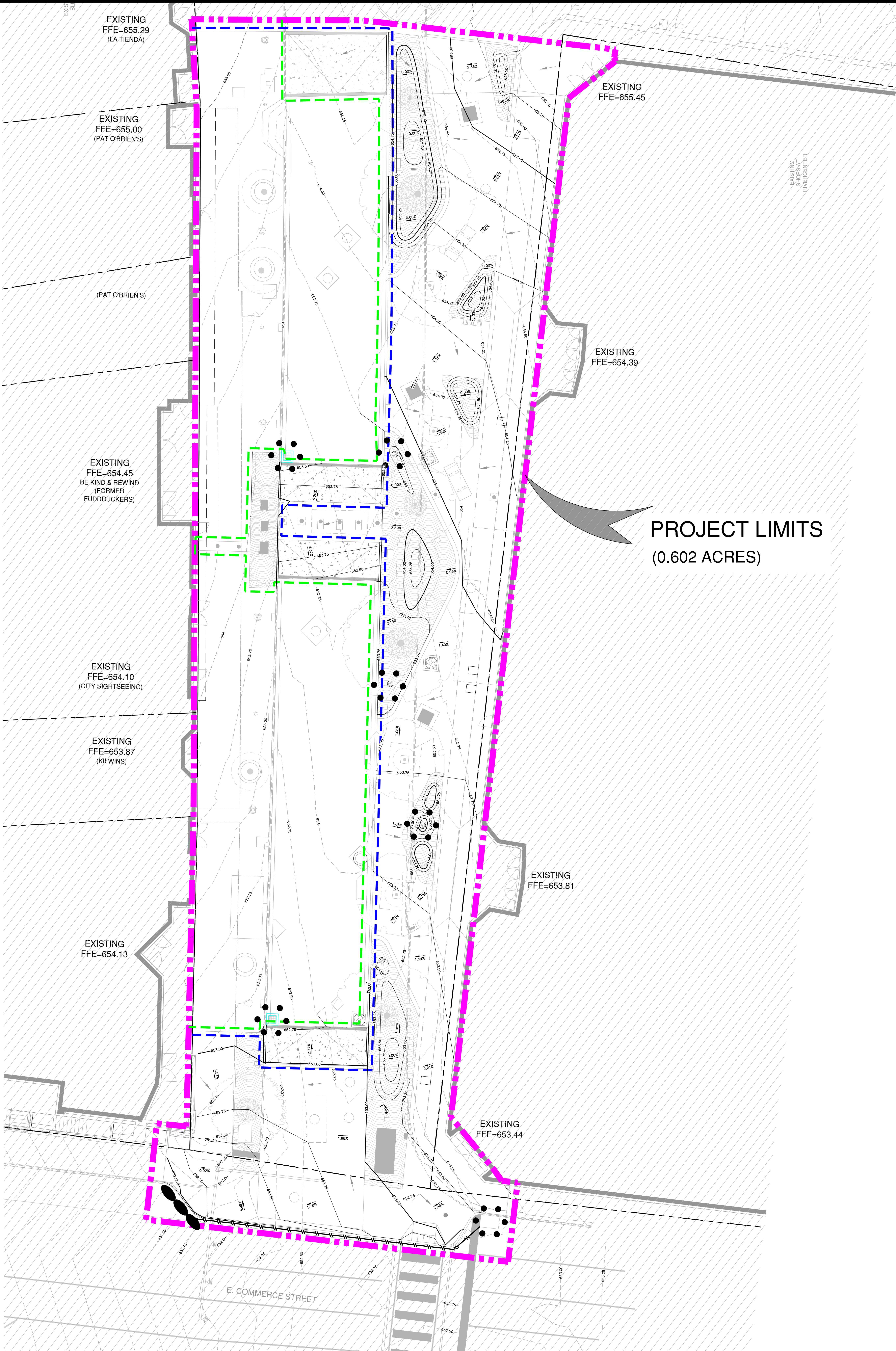
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LEGEND

PROPERTY LINE	---
PHASE 2C PROJECT LIMITS	---
EXISTING CONTOURS	---
1 FT CONTOUR	---
0.25 FT CONTOUR	---
PROPOSED CONTOURS	---
1 FT CONTOUR	---
0.25 FT CONTOUR	---
BASE BID PROJECT LIMITS	---
ALTERNATE BID 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 OR SEDIMENT CONTROL ROLLS	---
INLET PROTECTION	---
PROPOSED DIRECTIONAL FLOW ARROW WITH SLOPE	---
EXISTING DIRECTIONAL FLOW ARROW WITH SLOPE	---
GRAVEL FILTER BAGS	---

NOTE: REFERENCE SHEET C0.01 FOR GENERAL CONSTRUCTION NOTES

GENERAL NOTES

- DO NOT DISTURB VEGETATED AREAS (TREES, GRASS, WEEDS, BRUSH, ETC.) ANY MORE THAN NECESSARY FOR CONSTRUCTION.
- CONSTRUCTION ENTRANCE/EXIT LOCATION, CONCRETE WASH-OUT PIT, AND CONSTRUCTION EQUIPMENT AND MATERIAL STORAGE YARD TO BE DETERMINED IN THE FIELD.
- 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.
- RESTRICT ENTRY/EXIT TO THE PROJECT SITE TO DESIGNATED LOCATIONS BY USE OF ADEQUATE FENCING, IF NECESSARY.
- ALL STORM WATER POLLUTION PREVENTION CONTROLS ARE TO BE MAINTAINED AND IN WORKING CONDITIONS AT ALL TIMES.
- FOR A COMPLETE LISTING OF TEMPORARY STORM WATER POLLUTION PREVENTION CONTROLS - REFER TO THE TPDES STORM WATER POLLUTION PREVENTION PLAN.
- 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.
- 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.
- BEST MANAGEMENT PRACTICES MAY BE INSTALLED IN STAGES TO COINCIDE WITH THE DISTURBANCE OF UPGRADIENT AREAS.
- 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.
- 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.
- GPS CENGRY WILL FUNCTION AS A SECONDARY OPERATOR ON THIS PROJECT AND BE INSTALLING EXISTING 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.	EXHIBIT 2
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.	

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Seal / Signature

Date Description

06/19/2024 ISSUE FOR CONSTRUCTION

Project Name

ALAMO SITE - AREA 2C -
PROMENADE

Project Number

11078-68

Description

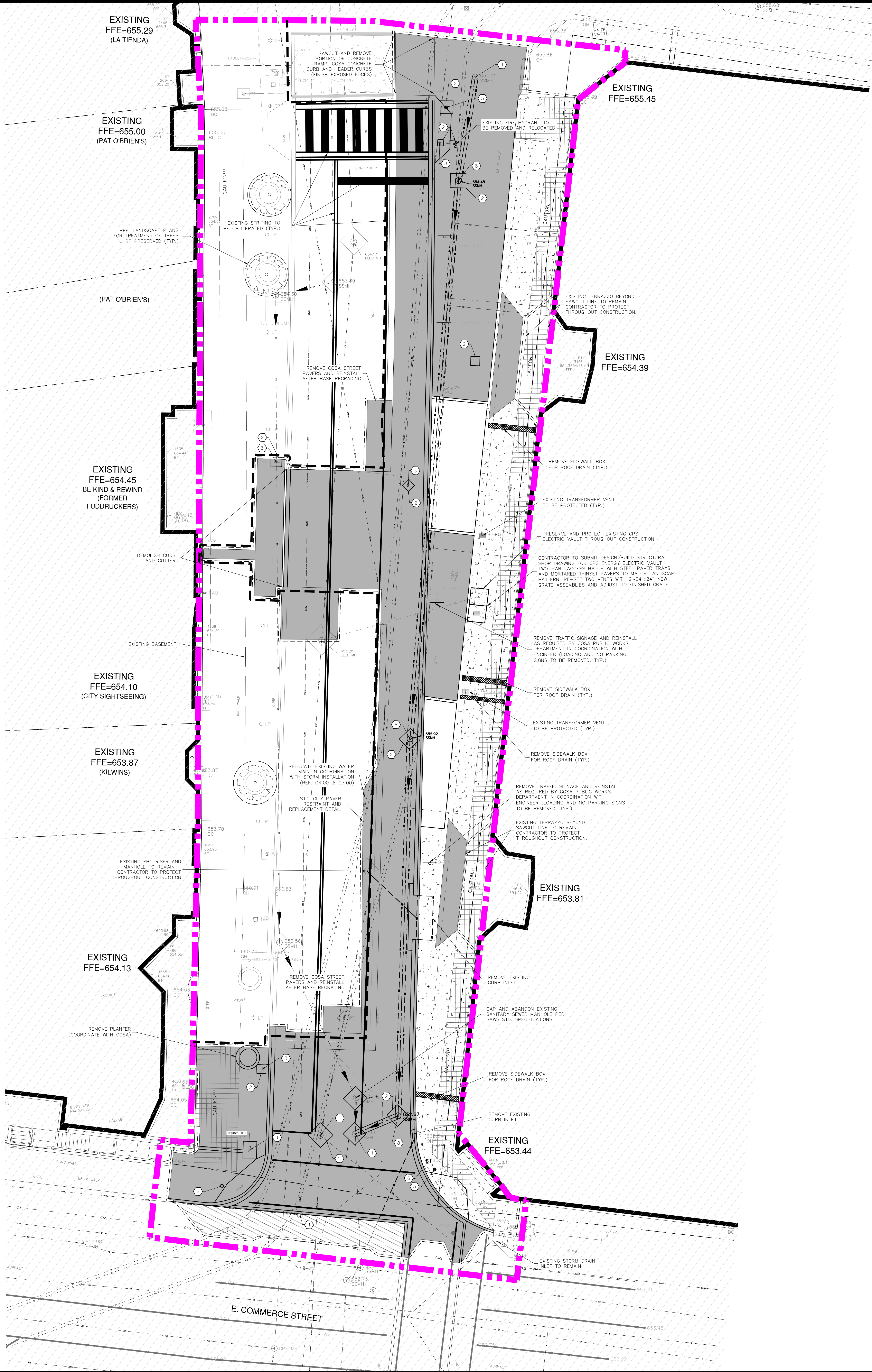
STORMWATER POLLUTION
PREVENTION PLAN

Scale

C0.20

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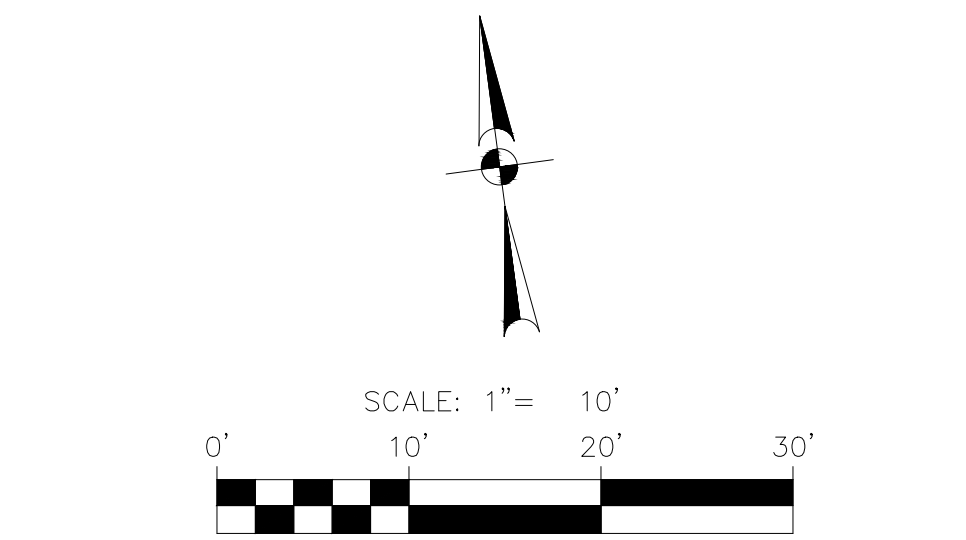
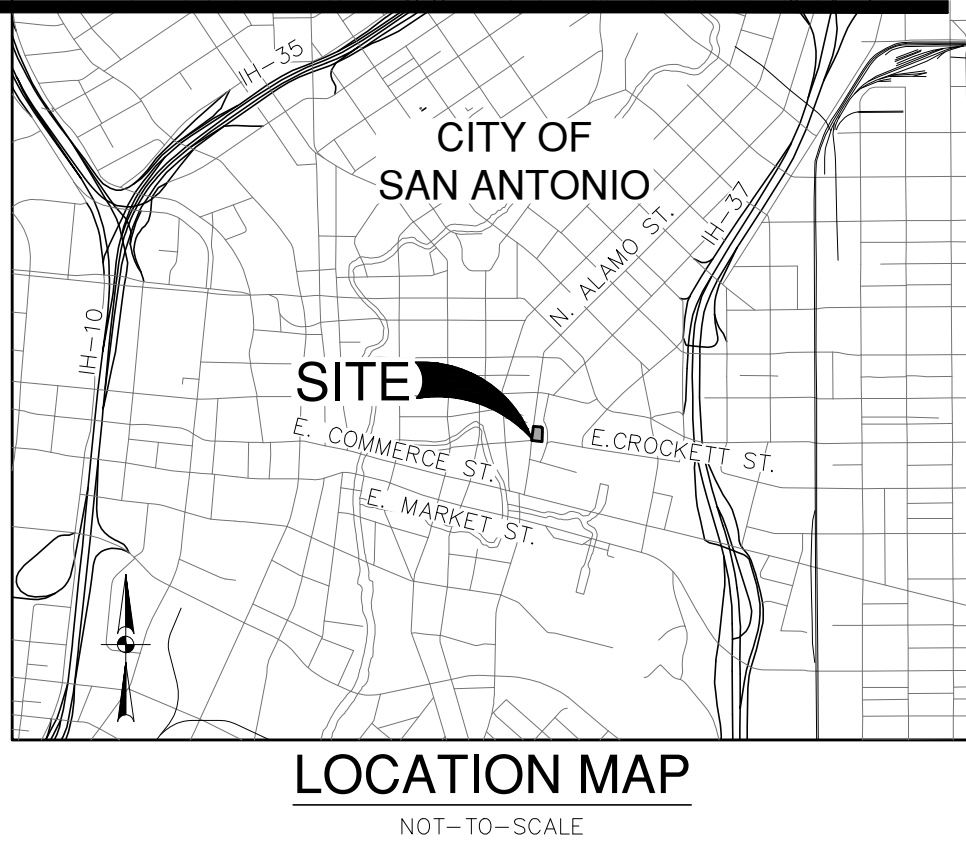
NOTE:
REFERENCE C6.00 FOR WATER, SANITARY SEWER, ELECTRIC, TELECOM, GAS AND IRRIGATION DEMOLITION UNLESS OTHERWISE NOTED

- KEYED NOTES**
1. PRESERVE EXISTING MANHOLE/ADJUST TOP TO MATCH PROPOSED GRADE
 2. DEMOLISH CONCRETE APRON
 3. PRESERVE EXISTING LIGHT, VALVE, VAULT; ADJUST TOP TO MATCH PROPOSED GRADE
 4. EXISTING MANHOLE TO BE ABANDONED
 5. REMOVE TRAFFIC POLE, SIGNAL HEADS, AND PEDESTRIAN SIGNAL HEAD (COORDINATE WITH COSA PMO FOR RELOCATION), TO BE REINSTALLED FOR MODIFIED COMMERCIAL ST CROSSWALK
 6. REMOVE TRAFFIC SIGNAL BOX (TYP.) (COORDINATE WITH COSA PMO)
 7. REMOVE EXISTING LIGHT POLE AND STOCKPILE FOR CPS ENERGY TO COLLECT, DISPOSE IF CPS DECLINES TO COLLECT (TYP.)
 8. EXISTING SANITARY SEWER/ELECTRIC/TELECOM MANHOLES AND WATER/IRRIGATION/GAS STRUCTURES TO BE DEMOLISHED (REF. C6.00 FOR DETAILS)

- 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. IN ACCORDANCE WITH LANDSCAPE PLANS 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 LANDSCAPE 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 DRP LINE OF THE TREES TO REMAIN.
 10. THE CONTRACTOR SHALL SAW CUT EXISTING PAVEMENT, CURBS AND SIDEWALKS AT NEW PAVEMENT, CURB AND SIDEWALK JUNCTIONS, NO JACKED OR IRREGULAR CUTS WILL BE ACCEPTED.
 11. THE CONTRACTOR SHALL PROTECT ALL PROPERTY PINS, BENCH MARKS, CONSTRUCTION STAKES, MARKS, 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 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 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 EXISTING IRRIGATION PIPING ON SITE, CUT AND CAP LATERALS AT PROJECT LIMITS TO ALLOW PROPER FUNCTIONING OF ZONES EXTENDING OFF-SITE (REF. L3.00 SERIES PLANS FOR IRRIGATION DEMOLITION SCOPE).
 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 INSTALLED, 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.

CAUTION!!!
CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITED TO: WATER, SEWER, TELEPHONE AND OTHER OPTIC LINES, SITE LOCATING, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONTACTS THAT ARE NOT IDENTIFIED OR COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 800-TRY-LESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE 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.

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 1-800-545-6505
SAMS 233-7093
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.



- LEGEND**
- PROPERTY LINE
 - PHASE 2C PROJECT LIMITS
 - BID PROJECT LIMITS
 - EXISTING CURB
 - EXISTING FEATURE TO REMAIN
 - EXISTING UTILITIES
 - WATER
 - SEWER
 - DRAINAGE
 - UNDERGROUND ELECTRIC
 - OVERHEAD ELECTRIC
 - COMMUNICATION
 - GAS
 - DEMOLISHED FEATURES
 - PROPOSED CONSTRUCTION
 - SAWCUT LINE
 - EXISTING BUILDING
 - TREES TO REMAIN (REF. LANDSCAPE TREE PROTECTION/DEMO PLANS)
 - TREES TO BE REMOVED (REF. LANDSCAPE TREE PROTECTION/DEMO PLANS)
 - EXISTING BRICK PAVERS
 - ROAD/SIDEWALKS TO BE DEMOLISHED PRIOR TO CONSTRUCTION
 - EXISTING ASPHALT ROAD TO BE DEMOLISHED PRIOR TO CONSTRUCTION
 - EXISTING CONCRETE SIDEWALKS TO BE DEMOLISHED PRIOR TO CONSTRUCTION
 - TREE PROTECTION FENCING FOR GRAPHICAL PURPOSE ONLY (REF. LANDSCAPE PLANS FOR DETAILS)
 - EXISTING CONCRETE/PAVERS OVER BASEMENT TO BE REMOVED, AVOID DAMAGE TO EXISTING BASEMENT AND WATERPROOFING (COORDINATE WITH ARCHITECT FOR STRUCTURE PRESERVATION THROUGHOUT CONSTRUCTION) (NOTE: BASEMENT LIMITS SHOWN ARE GRAPHICAL; CONTRACTOR TO FIELD VERIFY EXTENT/DEPTH)

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 LANDSCAPE PLAN. ALL TREES TO REMAIN SHALL BE PROTECTED AS SPECIFIED BY LANDSCAPE ARCHITECT. CONTRACTOR SHALL IMMEDIATELY NOTIFY LANDSCAPE ARCHITECT SHOULD ANY QUESTIONS ARISE REGARDING EXISTING TREES.
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS, TESTS, APPROVALS, AND ACCEPTANCES REQUIRED TO COMPLETE CONSTRUCTION OF THIS PROJECT.
 4. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND ENGINEER REGARDING ANY QUESTIONS FOR DEMOLITION WORK ON THIS PROJECT.
 5. 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.
 6. 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.
 7. IF CONTAMINATED SOIL OR MATERIALS ARE PRESENT, COMPLY WITH ALL REGULATIONS AND ENVIRONMENTAL RECOMMENDATIONS.

TREE PRESERVATION
REFERENCE LANDSCAPE PLANS FOR REQUIREMENTS

TRENCH EXCAVATION SAFETY PROTECTION
CONTRACTOR AND/OR CONTRACTORS INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN, GEOTECHNICAL, SAFETY, EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL, DESIGN, 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 SHALL BE RESPONSIBLE FOR THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

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6/17/2024
75272
Seal / Signature

06/19/2024 ISSUE FOR CONSTRUCTION

Project Name
ALAMO SITE - AREA 2C - PROMENADE

Project Number
11078-68
Description
DEMOLITION PLAN

Scale

C0.40

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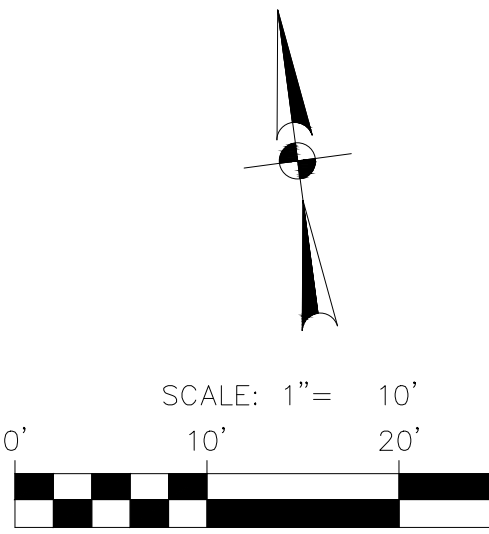
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 Date	Description
06/19/2024	ISSUE FOR CONSTRUCTION

LOCATION MAP
NOT-TO-SCALE





PROPERTY LINE

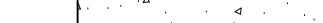
PHASE 2C PROJECT LIMITS

BID PROJECT LIMITS

- | EXISTING LUMPS | |
|----------------------------|--------------|
| EXISTING FEATURE TO REMAIN | |
| EXISTING UTILITIES | FIRE HYDRANT |
| WATER | ⊕ |
| SEWER | ⊖ |
| DRAINAGE | ⊗ |
| UNDERGROUND ELECTRIC | ⊙ |
| OVERHEAD ELECTRIC | ⊕ |
| COMMUNICATION | ⊖ |
| GAS | ⊗ |
| DEMOLISHED FEATURES | |
| PROPOSED CONSTRUCTION | |
| SAWYOT LINE | |
| EXISTING BUILDING | |

- TREES TO REMAIN
(REF. LANDSCAPE TREE
PROTECTION/DEMO PLANS)
- TREES TO BE REMOVED
(REF. LANDSCAPE TREE
PROTECTION/DEMO PLANS)

- | | |
|--|---|
| EXISTING BRICK PAVERS
ROAD/SIDEWALKS TO BE
DEMOLISHED PRIOR TO
CONSTRUCTION |  |
| EXISTING ASPHALT ROAD
TO BE DEMOLISHED
PRIOR TO CONSTRUCTION |  |

- EXISTING CONCRETE
SIDEWALKS TO BE
DEMOLISHED PRIOR TO
CONSTRUCTION
- 
- — — — —
- TREE PROTECTION FENCING FOR
GRAPHICAL PURPOSE ONLY
(REF. LANDSCAPE PLANS FOR
DETAILS)

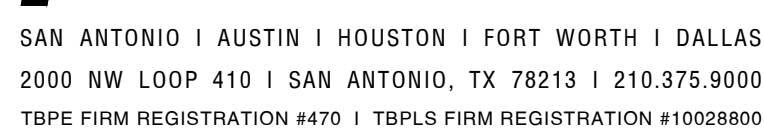
- EXISTING CONCRETE/PAVERS OVER
BASEMENT TO BE REMOVED. AVOID
DAMAGE TO EXISTING BASEMENT
AND WATERPROOFING (COORDINATE
WITH ARCHITECT FOR STRUCTURE
PRESERVATION THROUGHOUT
CONSTRUCTION)
(NOTE: BASEMENT LIMITS SHOWN
ARE GRAPHICAL. CONTRACTOR TO
FIELD VERIFY EXTENT/DEPTH)

NOTE:
REFERENCE SHEET C0.01 FOR GENERAL CONSTRUCTION NOTES

1. ALL EXISTING UTILITIES/NOT SPECIFICALLY NOTED TO BE REMOVED SHALL REMAIN AND SHALL BE PROTECTED FROM DAMAGE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DURING THE PROJECT TO REMAIN SHALL BE REPLACED BY CONTRACTOR AT CONTRACTOR'S OWN RISK AND EXPENSE.
2. ALL EXISTING TREES SHALL REMAIN UNLESS IDENTIFIED FOR DEMOLITION OR REMOVAL BY THE LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL, AS SPECIFIED BY LANDSCAPE ARCHITECT, PROTECT ALL TREES IDENTIFIED AS SPECIFIED BY LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL ARISE REGARDING EXISTING TREES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS, TESTS, APPROVALS, AND ACCEPTANCES REQUIRED TO CONDUCT THE PROJECT.
4. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND ENGINEER REGARDING ANY QUESTIONS FOR DEMOLITION WORK ON THIS PROJECT.
5. EXISTING UTILITIES SHOWN ON THIS LAYOUT WERE OBTAINED FROM A PUBLIC UTILITY PROVIDER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND EXPOSING CONFLICTS PRIOR TO CONSTRUCTION.
6. CONTRACTOR IS RESPONSIBLE FOR PROTECTING AND MAINTAINING ALL UTILITIES AT EXISTING FACILITIES AT ALL TIMES. OWNER TO BE NOTIFIED 48 HOURS IN ADVANCE OF ANY UTILITY STOPPAGE.
7. IF CONTAMINATED SOILS OR MATERIALS ARE PRESENT, COMPLY WITH ALL APPLICABLE REGULATIONS AND PERMITS.

REFERENCE LANDSCAPE PLANS FOR REQUIREMENTS

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 AREA AND DETERMINE THE NECESSITY FOR 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 TO EMPLOYEES AND MINIMIZE THE RISK OF INJURY FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS CONCERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.



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TBPE FIRM REGISTRATION #470 | TBPLS FIRM REGISTRATION #10028850

REFERENCE 06.00 FOR WATER, SANITARY SEWER
ELECTRIC, TELECOM, GAS AND IRRIGATION
DEMOLITION UNLESS OTHERWISE NOTED

- ① PRESERVE EXISTING MANHOLE/ADJUST TOP TO MATCH PROPOSED GRADE
- ② DEMOLISH CONCRETE APRON
- ③ PRESERVE EXISTING LIGHT, VALVE, VAULT, ADJUST TOP TO MATCH PROPOSED GRADE
- ④ EXISTING MANHOLE TO BE ABANDONED
- ⑤ REMOVE TRAFFIC POLE, SIGNAL HEADS, AND PROTECTIVE SCUM. COORDINATE WITH CDSA FWD FOR RELOCATION
- ⑥ REMOVE TRAFFIC SIGNAL BOX (TYP.) (COORDINATE WITH CDSA FWD)
- ⑦ REMOVE EXISTING LIGHT POLE AND STOCKPILE FOR OPS ENERGY TO COLLECT. DISPOSE IF OPS DECLINES TO COLLECT (TYP.)
- ⑧ EXISTING SANITARY SEWER/ELECTRIC/TELECOM MANHOLES AND WATER/IRRIGATION/GAS STRUCTURES TO BE DEMOLISHED

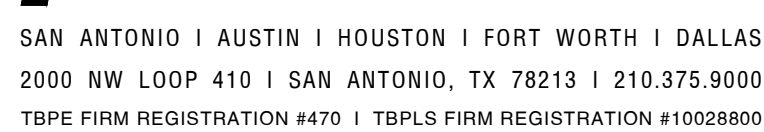
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL NECESSARY PERMITS/APPROVALS BEFORE BEGINNING DEMOLITION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING FROM THE SITE ALL MATERIALS, DEBRIS AND WASTE THAT ARE NOT SPECIFICALLY INDICATED. ALL MATERIALS SHALL BE DEMOLISHED AND REMOVED FROM THE SITE IN ACCORDANCE WITH ALL APPLICABLE, FEDERAL, STATE AND LOCAL REGULATIONS.
4. ALL EXISTING ITEMS NOT SPECIFICALLY NOTED TO BE DEMOLISHED SHALL BE REMOVED FROM THE SITE PRIOR TO REMOVING EXISTING ITEMS REMOVED DURING DEMOLITION THAT WERE TO REMAIN.
5. CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH ALL UTILITIES TO BE REMOVED, VERIFYING UTILITIES ARE SHUT OFF OR DISCONNECTED, AND PROVIDING ADEQUATE SAFETY MEASURES AND WARNING SIGNS TO ENSURE THE SAFEST ENVIRONMENT FOR ALL PERSONNEL.
6. LOCATION AND DEPTH OF EXISTING UTILITIES SHOWN HEREON ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF UTILITIES BY THE CONTRACTOR PRIOR TO THE CONSTRUCTION AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION AND DEPTH OF UTILITIES SHOWN ON THE PLANS OR NOT, THROUGHOUT ALL PHASES OF CONSTRUCTION.
7. ALL NECESSARY EROSION CONTROL MEASURES ARE TO BE IN PLACE PRIOR TO CONSTRUCTION. EROSION CONTROL MEASURES ARE TO BE MAINTAINED THROUGHOUT CONSTRUCTION.
8. IN ACCORDANCE WITH LANDSCAPE PLANS CONTRACTOR SHALL COMPLY WITH THE OWNER OR HIS DESIGNATE WHETHER TO SALVAGE AND MAKE REUSE OF OR REMOVE AND DESTROY ALL EXISTING PLANTS AND TREES.
9. FOR TREES SHOWN TO REMAIN, THE CONTRACTOR SHALL INSTALL TREE PROTECTION IN ACCORDANCE WITH LANDSCAPE PLANS AND SPECIFICATIONS. CONTRACTOR SHALL NOT REMOVE OR DAMAGE ANY TREES WITHOUT A PERMIT TO DO SO.

NOTE:
REFERENCE SHEET C0.01 FOR GENERAL CONSTRUCTION NOTES

1. ALL EXISTING UTILITIES/NOT SPECIFICALLY NOTED TO BE REMOVED SHALL REMAIN AND SHALL BE PROTECTED FROM DAMAGE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DURING THE PROJECT TO REMAIN SHALL BE REPLACED BY CONTRACTOR AT CONTRACTOR'S OWN RISK AND EXPENSE.
2. ALL EXISTING TREES SHALL REMAIN UNLESS IDENTIFIED FOR DEMOLITION OR REMOVAL BY THE LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL, AS SPECIFIED BY LANDSCAPE ARCHITECT, PROTECT ALL TREES IDENTIFIED AS SPECIFIED BY LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL ARISE REGARDING EXISTING TREES.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS, TESTS, APPROVALS, AND ACCEPTANCES REQUIRED TO CONDUCT THE PROJECT.
4. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND ENGINEER REGARDING ANY QUESTIONS FOR DEMOLITION WORK ON THIS PROJECT.
5. EXISTING UTILITIES SHOWN ON THIS LAYOUT WERE OBTAINED FROM A PUBLIC UTILITY PROVIDER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND EXPOSING CONFLICTS PRIOR TO CONSTRUCTION.
6. CONTRACTOR IS RESPONSIBLE FOR PROTECTING AND MAINTAINING ALL UTILITIES AT EXISTING FACILITIES AT ALL TIMES. OWNER TO BE NOTIFIED 48 HOURS IN ADVANCE OF ANY UTILITY STOPPAGE.
7. IF CONTAMINATED SOILS OR MATERIALS ARE PRESENT, COMPLY WITH ALL APPLICABLE REGULATIONS AND PERMITS.

REFERENCE LANDSCAPE PLANS FOR REQUIREMENTS

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 AREA AND DETERMINE THE NECESSITY FOR 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 TO EMPLOYEES AND MINIMIZE THE RISK OF INJURY FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS CONCERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.



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TBPE FIRM REGISTRATION #470 | TBPLS FIRM REGISTRATION #10028850

CAUTION!!!

CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITED TO: WATER, SEWER, TELEPHONE AND CABLE, OPTIC LINES, GAS, AND SECONDARY ELECTRICAL LINES, PRIMARY ELECTRICAL DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE FORWARDED TO THE UTILITY COMPANY 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 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.

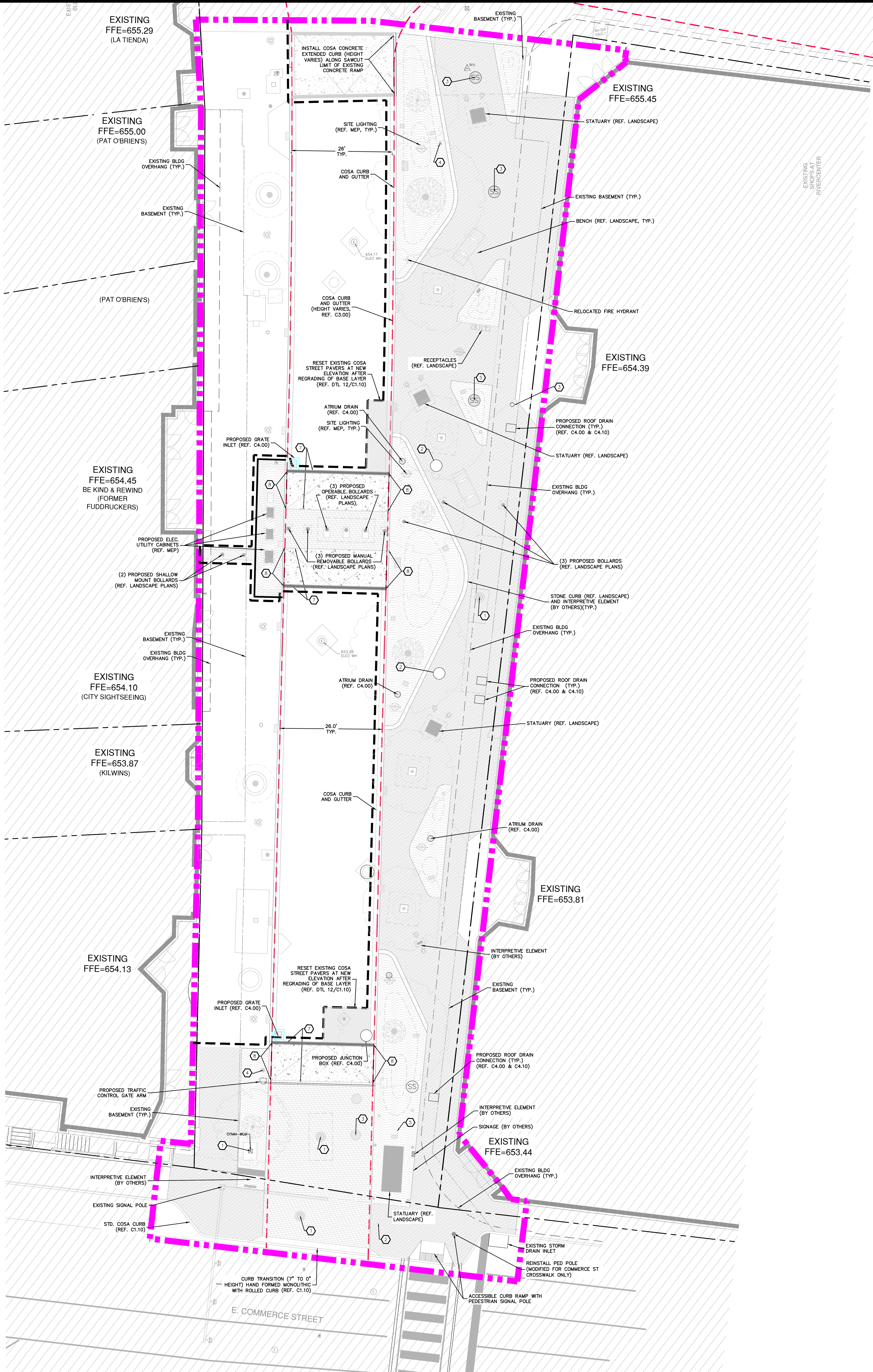
THE LOCATIONS OF EXISTING UTILITIES, SITE LIGHTING CIRCUIT, AND IRRIGATION LINES SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND DEPTH OF UNDERGROUND UTILITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

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.

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Date: Jun 17, 2024, 5:07pm User: D:\hobbs
File: C:\Users\hobbs\OneDrive\Documents\ALAMO SITE - AREA 2C - 110768.dwg



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

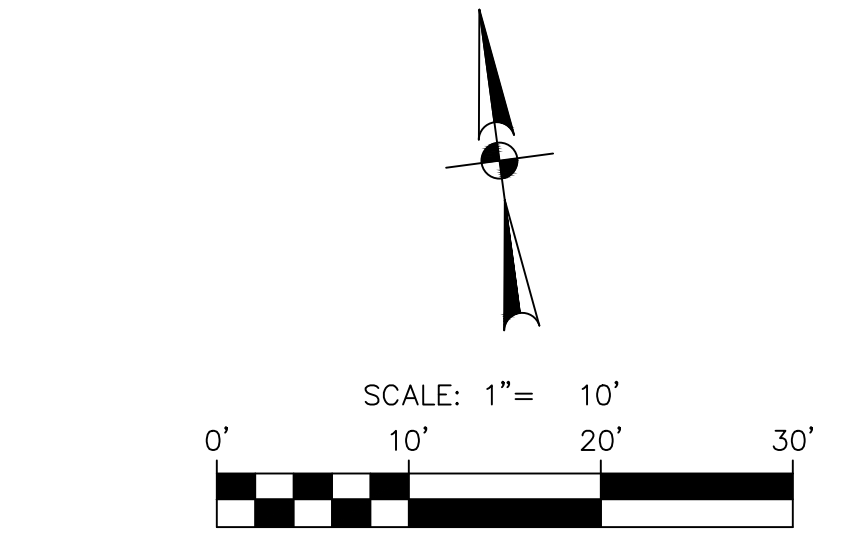
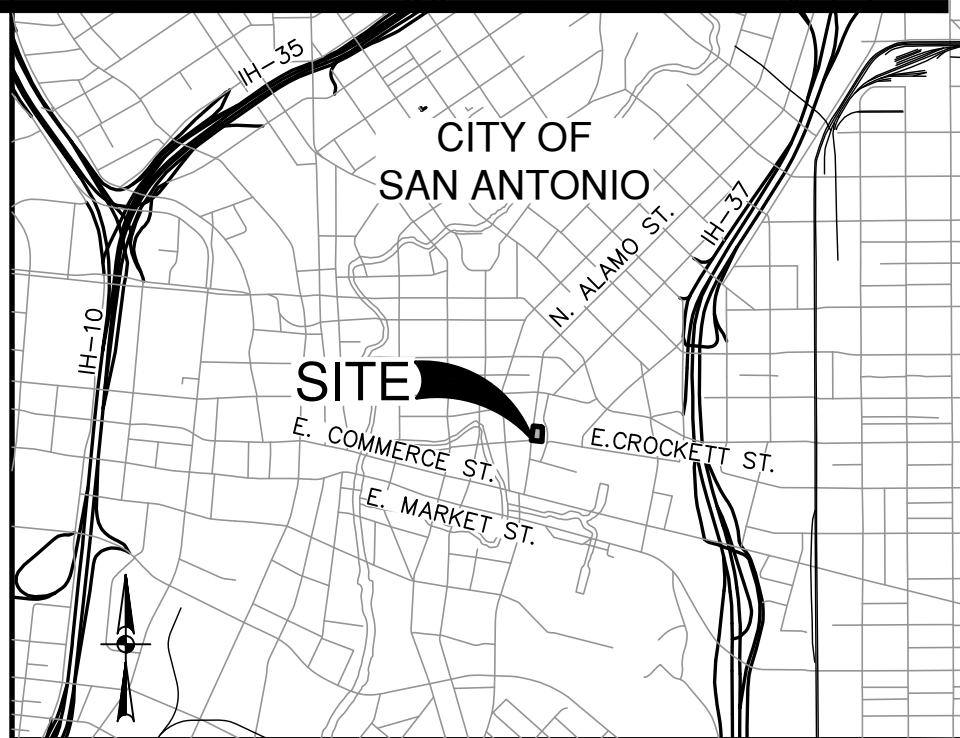
NOTE: SEPARATE CONTROL SHEET AVAILABLE UPON REQUEST. CONTRACTOR TO CONFIRM CONTROL IS CONSISTENT WITH FINAL LANDSCAPE AND STRUCTURAL PLANS.

NOTE: PER UDC SECTION 35-506 (a)(1)(C)(2), EXISTING AND PROPOSED SIDEWALK, CURB, RAMPS, AND DRIVE APPROACHES, WHETHER ON-SITE 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).

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.



LEGEND	
PROPERTY LINE	---
EXISTING EDGE OF CURB	---
PROPOSED 3" COSA CURB (REF. DTL'S 5 & 6/C1.10) (INSTALL EXTENDED CURB ALONG LANDSCAPE EDGE)	---
PROPOSED HEADER CURB (REF. C1.10)	---
PROPOSED CONCRETE UNIT PAVING (REF. LANDSCAPE PLANS)	---
PROPOSED UNIT PAVING (REF. LANDSCAPE PLANS)	---
PROPOSED PLANTING/SOFTSCAPE (REF. LANDSCAPE PLANS)	---
LIMITS OF WORK	---
BID PROJECT LIMITS	---
EMERGENCY VEHICLE ROUTE (REF. LANDSCAPE PLANS FOR "TIRE LANE" PAVERS)	---

NOTE:
REFERENCE SHEET C0.01 FOR GENERAL CONSTRUCTION NOTES

KEYED NOTES

- EXISTING OR PROPOSED CPS/TELECOM MANHOLE/STRUCTURE SURFACE EXPRESSION, CPS MANHOLE APRON FLUSH WITH FINISHED GRADE (EXISTING-NOT RECESSED) OR APRON FLUSH WITH SUB-SLAB (REF. 13B/C1.10 FOR CPS DTL'S)
- PROPOSED STORM DRAIN MANHOLE WITH 4'-4" RECESSED APRON FLUSH WITH SUB-SLAB (REF. 13A/C1.10)
- EXISTING OR PROPOSED SANITARY SEWER MANHOLE WITH 4'-4" RECESSED APRON (REF. 13A/C1.10)
- EXISTING OR PROPOSED VALVE BOX TO BE ADJUSTED AND SET TO PROPOSED GRADE AND ROLLED OUT OR POURED INTO SUB-SLAB SO THAT PAVERS CAN BE SET FLUSH WITH VALVE BOX COVER
- SEWER MANHOLE IN PLANTING SET FLUSH WITH GRADE (NO RING ENCASEMENT)
- PROPOSED SITE LIGHTING (REF. ELECTRICAL PLANS)
- CONCRETE RAMP AND HEADER CURB, PROVIDE CONSTRUCTION JOINT AT PROPOSED PAPER SUBSLAB TO ALLOW FOR FUTURE DISSECTION OF RAMP WITHOUT DAMAGING PROPOSED SUBSLAB
- COSA CONCRETE EXTENDED CURB ALONG LIMITS OF PROPOSED CONC RAMP DIRECTION (VARIABLE HEIGHT, TO BE POURED MONOLITHICALLY WITH RAMP)

DIMENSIONAL CONTROL NOTES

- 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.
- THE CONTRACTOR SHALL PRESERVE ALL CONTROL POINTS, PROPERTY PINS, BENCH MARKS, CURBS 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.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO THE START OF CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING ALL HORIZONTAL AND VERTICAL CONTROL FOR THE CONSTRUCTION DRAWINGS.
- UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL USE THE PROPERTY PINS FOR HORIZONTAL CONTROL POINTS. BENCHMARKS ARE NOT TO BE USED FOR HORIZONTAL CONTROL.
- 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.
- REFER TO THE ARCHITECTURAL PLANS FOR ADDITIONAL DIMENSIONAL CONTROL INFORMATION.
- CURB RADI ARE 3' UNLESS OTHERWISE NOTED ON THE DRAWINGS.

PAVEMENT & STRIPING NOTES

- 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).
- THE CONTRACTOR SHALL LOCATE AND PROTECT ALL EXISTING UTILITY AND STORM DRAIN SYSTEMS PRIOR TO CONSTRUCTION.
- 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).
- THE CONTRACTOR SHALL VERIFY ELEVATIONS AND LOCATIONS OF EXISTING FACILITIES AND NOTIFY THE ENGINEER OF ANY CONFLICTS PRIOR TO BEGINNING CONSTRUCTION.
- ALL PAINT SHALL BE 4" WIDE REFLECTIVE PAINT, WHITE OR ASPHALT PAVING AND YELLOW ON CONCRETE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- ALL PAVEMENT MARKINGS SHALL RECEIVE TWO COATS OF PAINT.
- NO WORK SHALL BE PERFORMED IN A PUBLIC RIGHT-OF-WAY WITHOUT A PERMIT.
- ALL SIGNS SHALL CONFORM TO MUTCD, LATEST EDITION.
- THE CONTRACTOR SHALL SAW OUT EXISTING PAVING, CURB, AND SIDEWALKS TO PROVIDE A SMOOTH TRANSITION. NO JAGGED OR IRREGULAR EDGES WILL BE ALLOWED.
- ALL CURBS SHALL BE 6" UNLESS OTHERWISE NOTED.
- ALL STANDARD PERPENDICULAR PARKING STALLS ARE 9' X 18' AND COMPACT PARKING STALLS ARE 8' X 16' UNLESS DIMENSIONED OTHERWISE.

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Fax: 2-2819

PARRA

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110 E. Houston Street, Floor 7
San Antonio, TX 78205
Tel: 210.819.4948

6/17/2024



Seal / Signature

Date Description
06/19/2024 ISSUE FOR CONSTRUCTION

Project Name

ALAMO SITE - AREA 2C - PROMENADE

Project Number

11078-68

Description

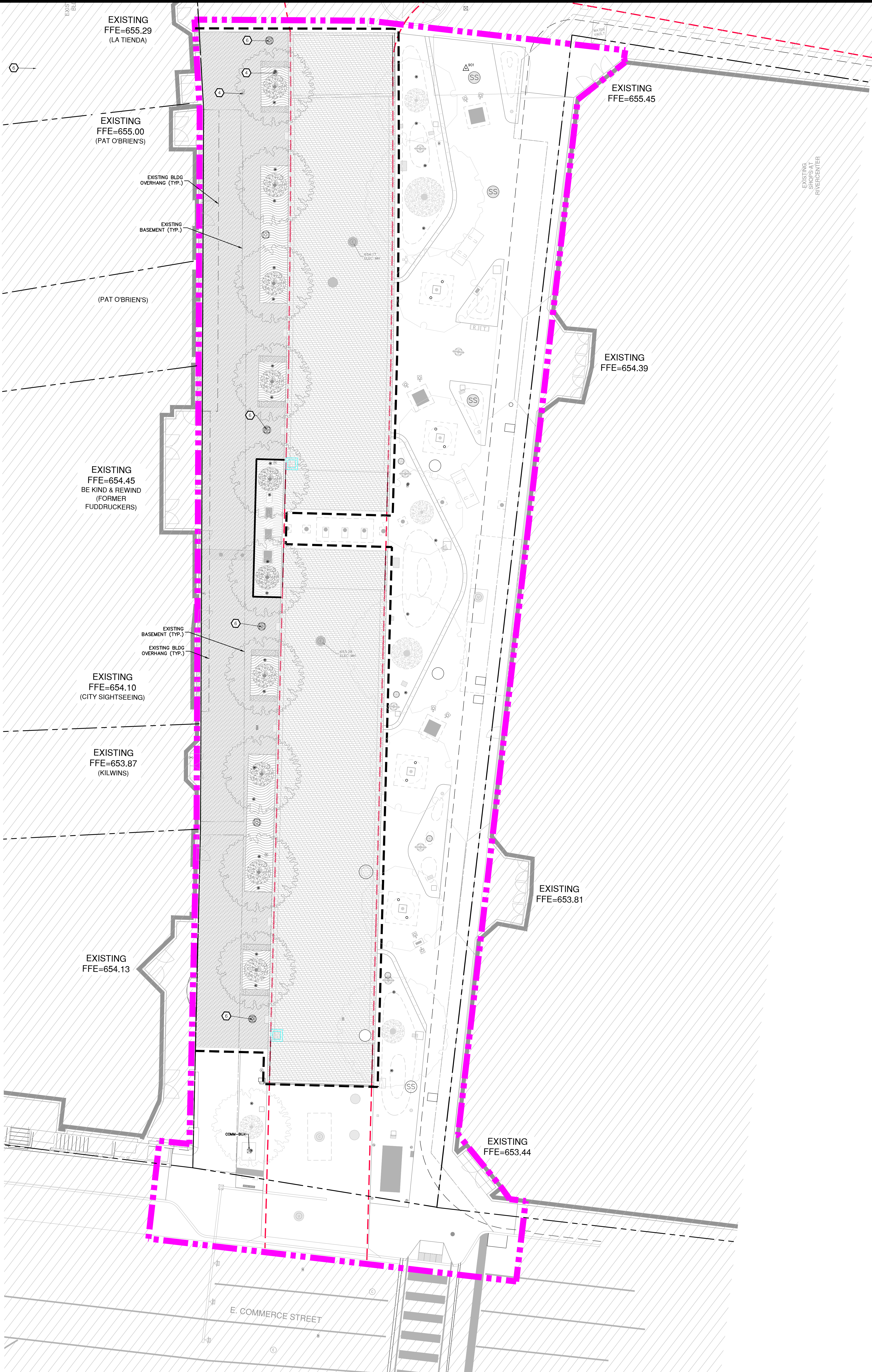
DIMENSIONAL CONTROL PLAN

Scale

C1.00

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Date: Jun 17, 2024, 5:09pm User: D: hicks
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NOTE:
REFERENCE LANDSCAPE SHEETS FOR ADDITIONAL DIMENSIONAL CONTROL,
JOINTING PLAN AND MATERIAL DESCRIPTIONS.

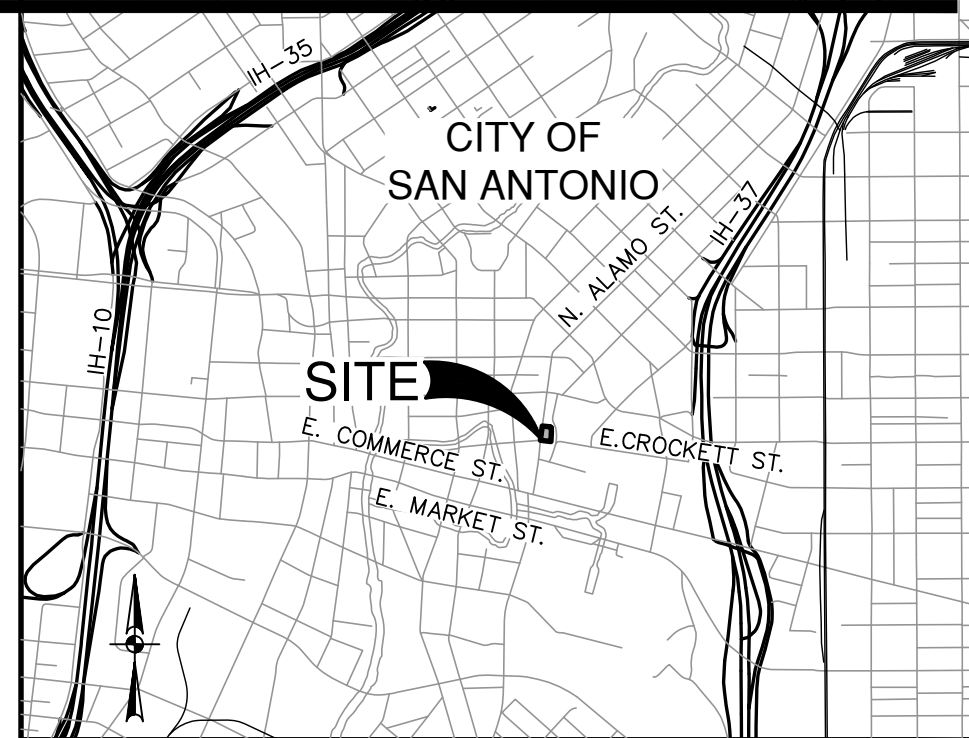
NOTE: SEPARATE CONTROL SHEET AVAILABLE UPON REQUEST. CONTRACTOR TO
CONFIRM CONTROL IS CONSISTENT WITH FINAL LANDSCAPE AND STRUCTURAL
PLANS.

NOTE: PER UDC SECTION 35-506 (a)(1)(C)(2), EXISTING AND PROPOSED
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AND CURRENT CITY OF SAN ANTONIO DESIGN STANDARDS.

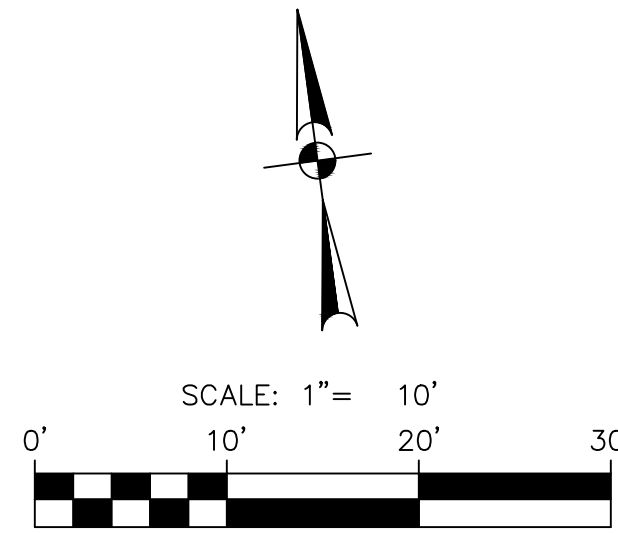
NOTE: ALL RIGHT-OF-WAY IMPROVEMENTS TO BE INSPECTED AND ACCEPTED
BY CITY OF SAN ANTONIO (COSA).

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



LEGEND

PROPERTY LINE	---
EXISTING EDGE OF CURB	---
PROPOSED 3" COSA CURB (REF. DTLS 5 & 6/C1.10) (INSTALL EXTENDED CURB ALONG LANDSCAPE EDGE)	---
PROPOSED HEADER CURB (REF. C1.10)	---
PROPOSED CONCRETE UNIT PAVING (REF. LANDSCAPE PLANS)	---
PROPOSED UNIT PAVING (REF. LANDSCAPE PLANS)	---
PROPOSED PLANTING/SOFTSCAPE (REF. LANDSCAPE PLANS)	---
LIMITS OF WORK	---
BID PROJECT LIMITS	---
EMERGENCY VEHICLE ROUTE (REF. LANDSCAPE PLANS FOR "TWO LANE" PAVES)	---

NOTE:
REFERENCE SHEET C0.01 FOR GENERAL CONSTRUCTION NOTES

KEYED NOTES

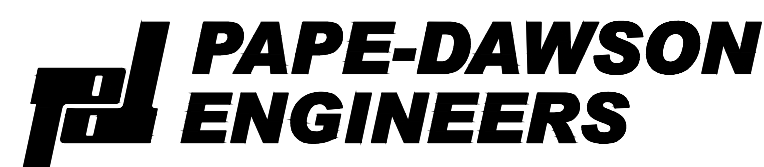
- EXISTING OR PROPOSED GPS/TELECOM
MANHOLE/STRUCTURE SURFACE EXPRESSION, GPS
MANHOLE APRON FLUSH WITH FINISHED GRADE
(EXISTING-NOT RECESSED) OR APRON FLUSH WITH
SUB-SLAB (REF. 13B/C1.10 FOR GPS DTLS)
- PROPOSED STORM DRAIN MANHOLE WITH 4'-4" RECESSED
APRON FLUSH WITH SUB-SLAB (REF. 13A/C1.10)
- EXISTING OR PROPOSED SANITARY SEWER MANHOLE
WITH 4'-4" RECESSED APRON (REF. 13A/C1.10)
- EXISTING OR PROPOSED VALVE BOX TO BE ADJUSTED
AND SET TO PROPOSED GRADE AND BORED OUT OR
POURED INTO SUB-SLAB SO THAT PAVERS CAN BE
SET FLUSH WITH VALVE BOX COVER
- SEWER MANHOLE IN PLANTING SET FLUSH
WITH GRADE (NO RING ENCASEMENT)
- PROPOSED SITE LIGHTING
(REF. ELECTRICAL PLANS)

DIMENSIONAL CONTROL NOTES

- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY
QUESTIONS THAT MAY ARISE CONCERNING THE INTENT, PLACEMENT OR
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ALL DIMENSIONS ARE PERPENDICULAR TO THE POINT OF REFERENCE.
- REFER TO THE ARCHITECTURAL PLANS FOR ADDITIONAL DIMENSIONAL
CONTROL INFORMATION.
- CURB RADI ARE 3' UNLESS OTHERWISE NOTED ON THE DRAWINGS.

PAVEMENT & STRIPING NOTES

- 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 "TODD" STANDARD SPECIFICATIONS FOR PUBLIC WORKS
CONSTRUCTION (LATEST EDITION).
- THE CONTRACTOR SHALL LOCATE AND PROTECT ALL EXISTING UTILITY
AND STORM DRAIN SYSTEMS PRIOR TO CONSTRUCTION.
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OTHERWISE.



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TYPE FIRM REGISTRATION #470 | TYPE L FIRM REGISTRATION #1028280

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AVIT/SECURITY

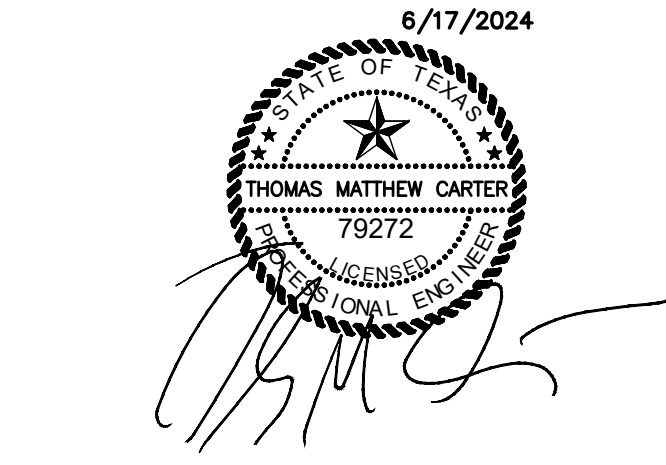
AVIT/Security
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Tel 210.819.4948



Seal / Signature

△	Date	Description
	06/19/2024	ISSUE FOR CONSTRUCTION

Project Name

ALAMO SITE - AREA 2C -
PROMENADE

Project Number

11078-68

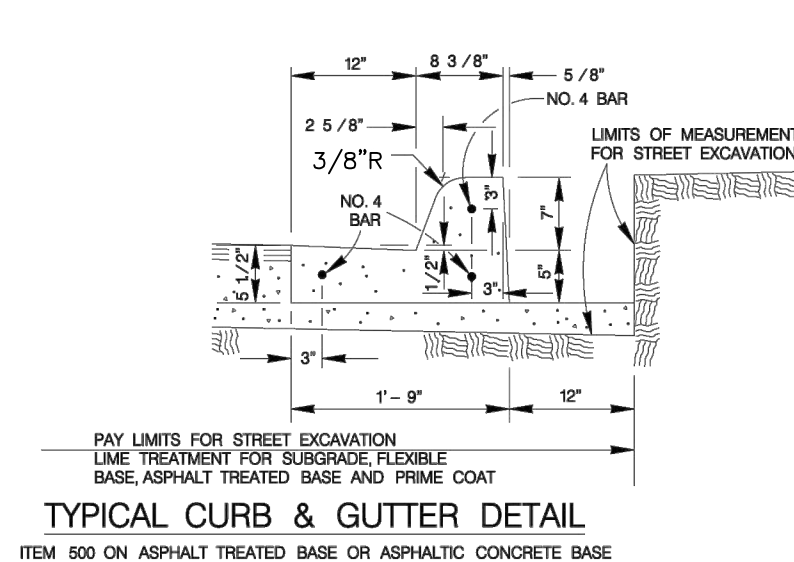
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DIMENSIONAL CONTROL PLAN
(ALTERNATE BID)

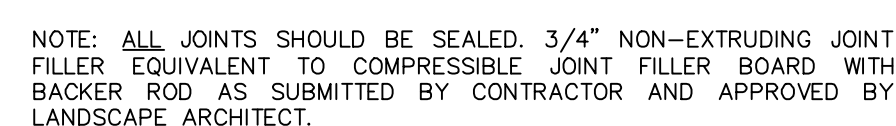
Scale

C1.00A

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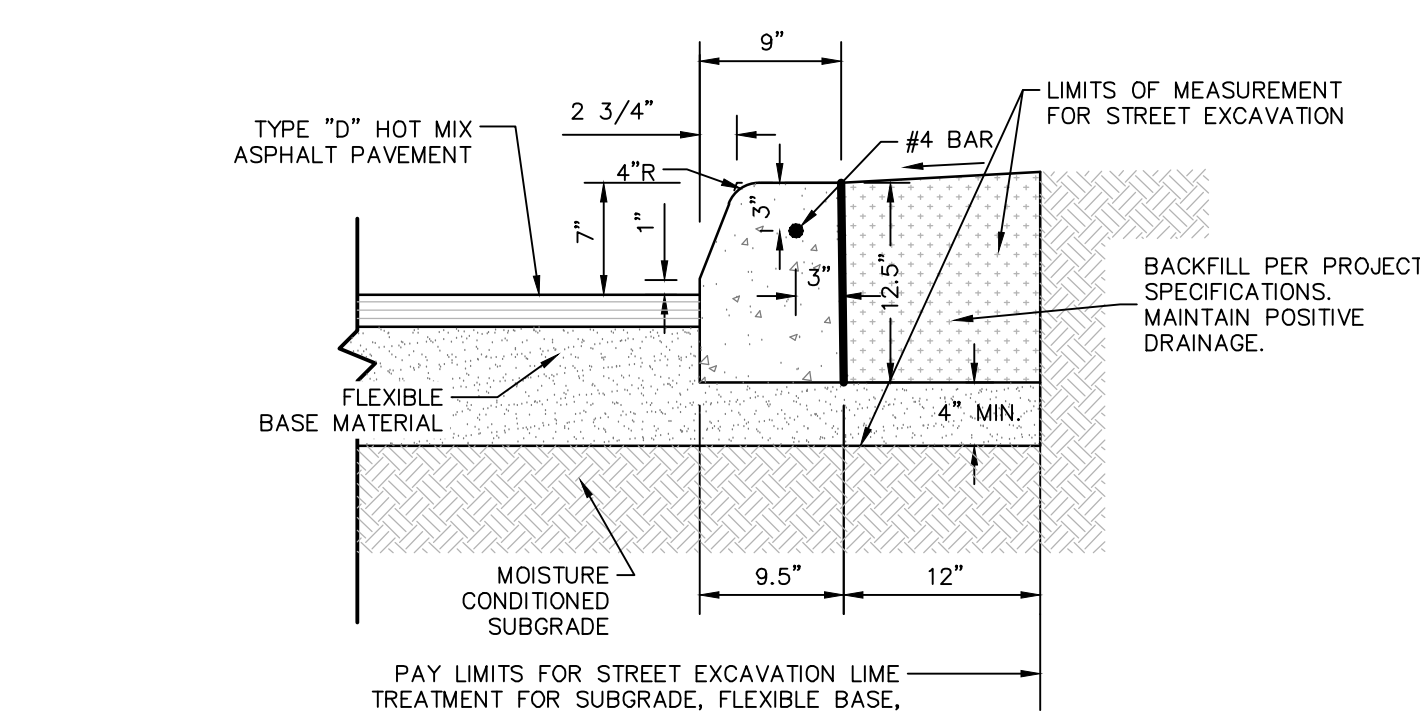


5 MODIFIED COSA 7" CONCRETE
CURB & GUTTER DETAIL
NOT-TO-SCALE

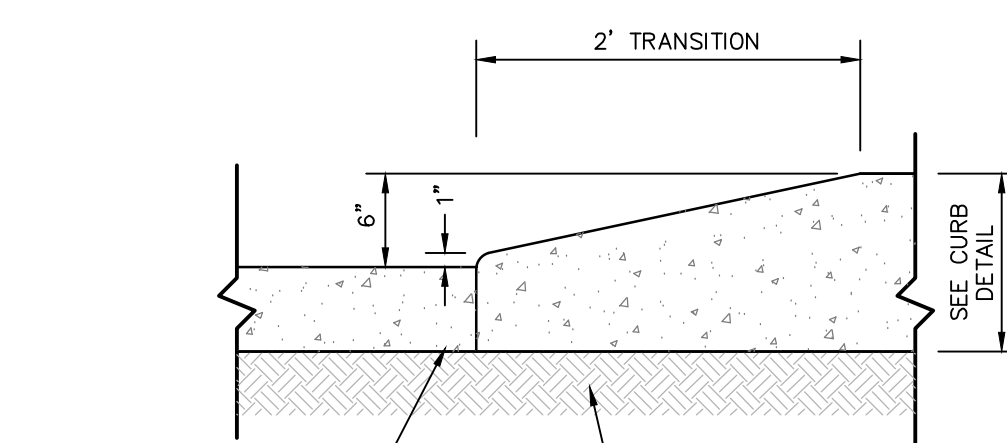


A cross-sectional diagram of a concrete slab joint. A vertical line represents the joint, with a small gap labeled "1/4\" JOINT". This gap is filled with a material labeled "JOINT SEALANT". The concrete slab is shown with a textured surface and is labeled "REINFORCED" with an arrow pointing to the interior. A dimension line on the right indicates the "1/4\" SLAB THICKNESS OR 2\" MINIMUM." for the sealant application.

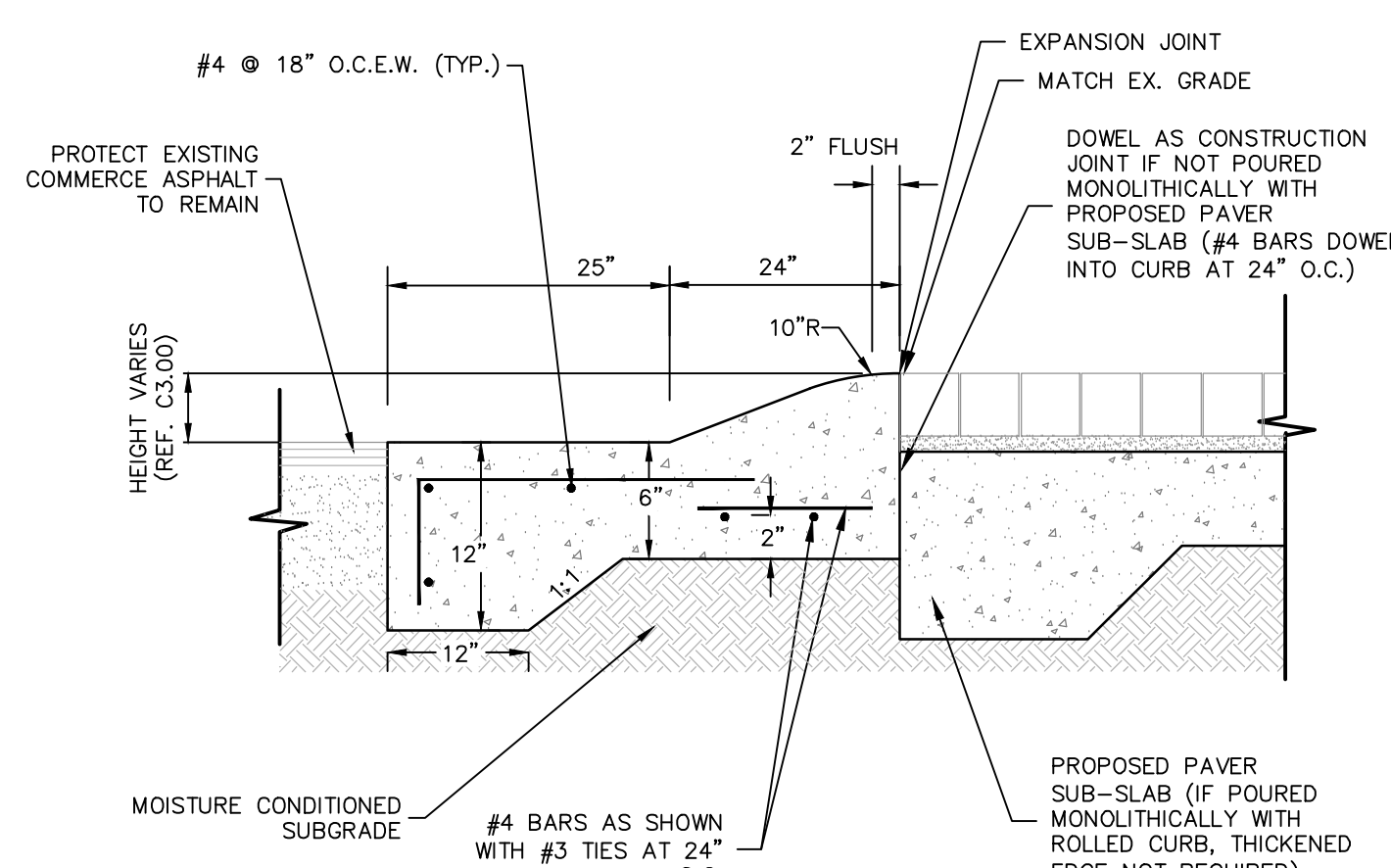
2 CONCRETE JOINT DETAILS



6 COSA 7" CONCRETE CURB DETAIL

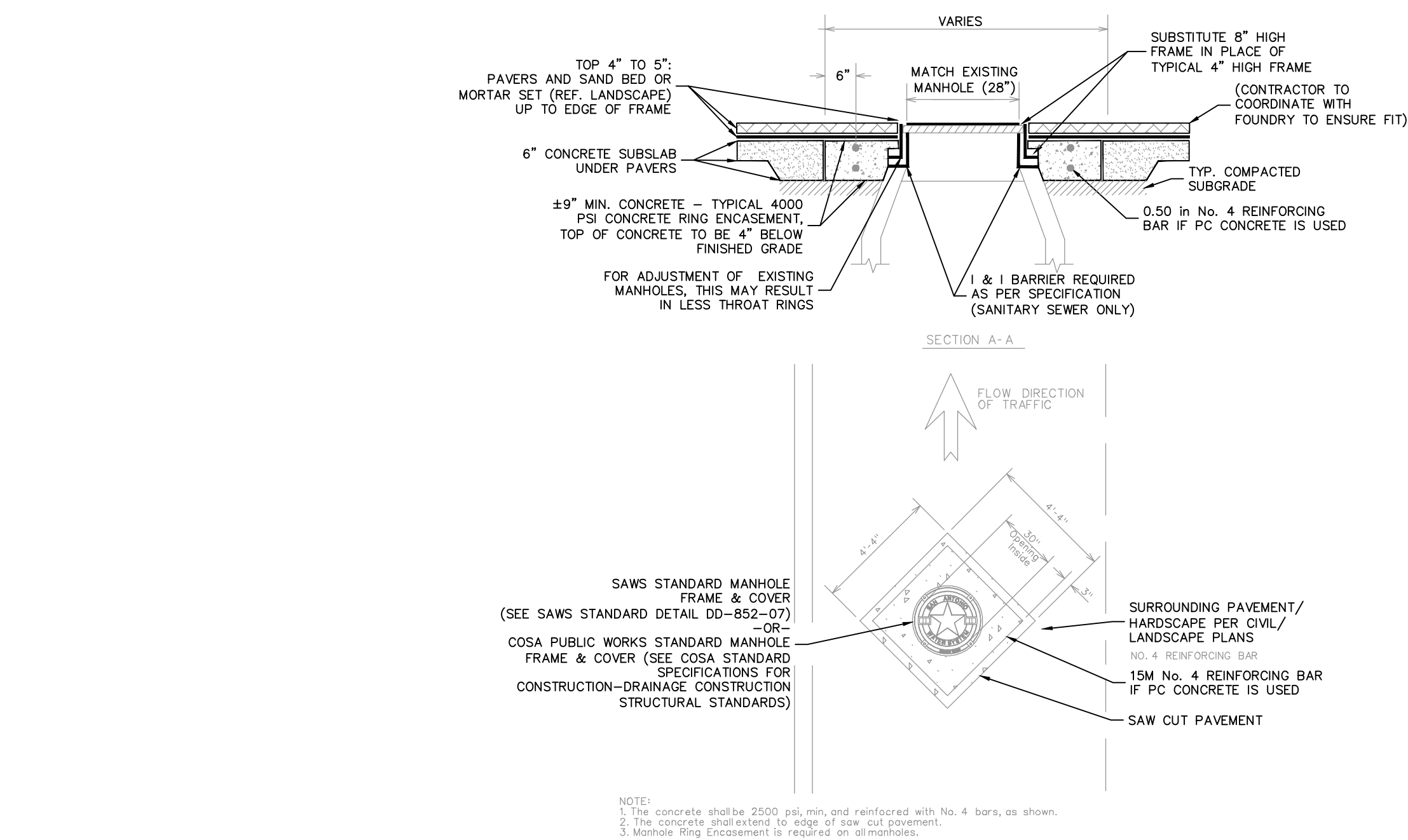


10 CURB TRANSITION DETAIL



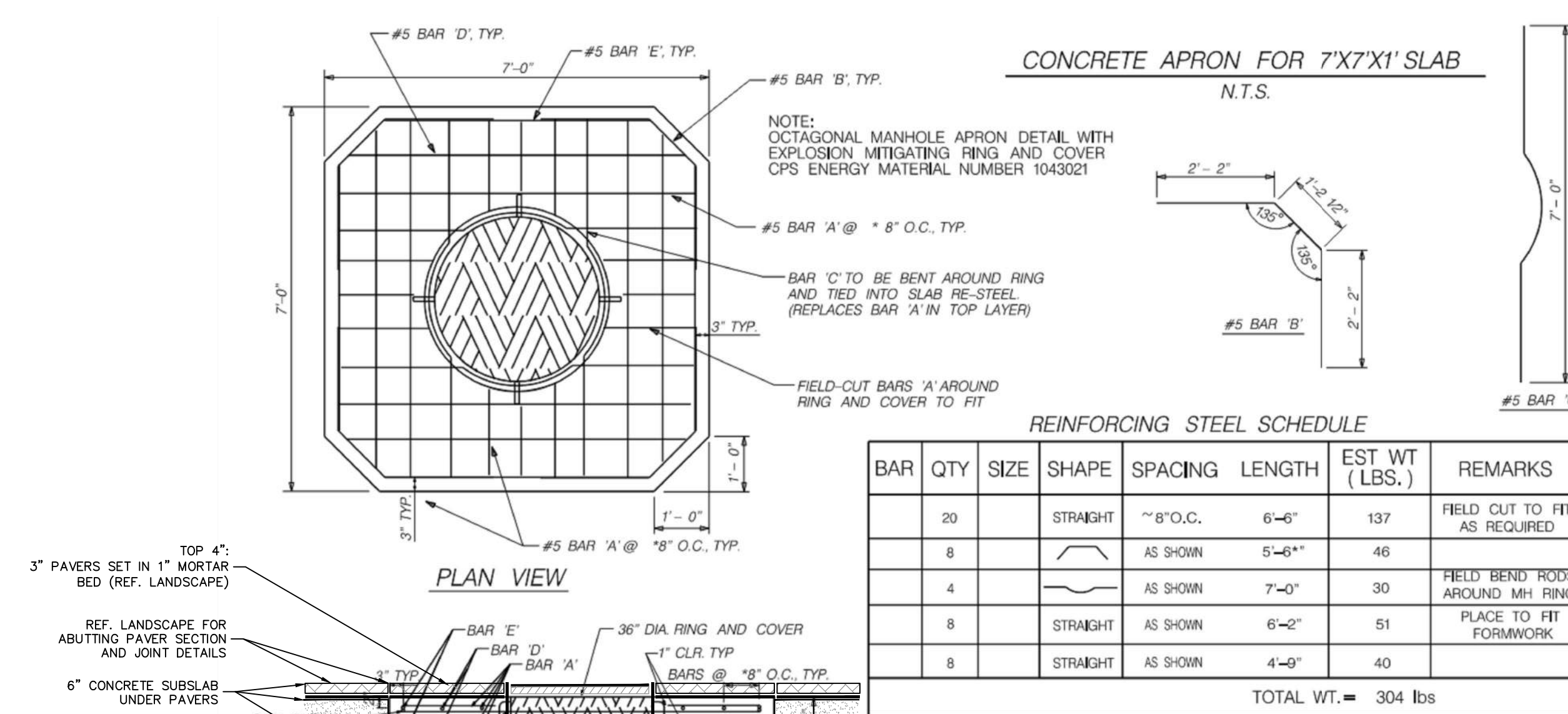
10A

COMMERCE STREET
ROLLED CURB DETAIL
NOT-TO-SCALE

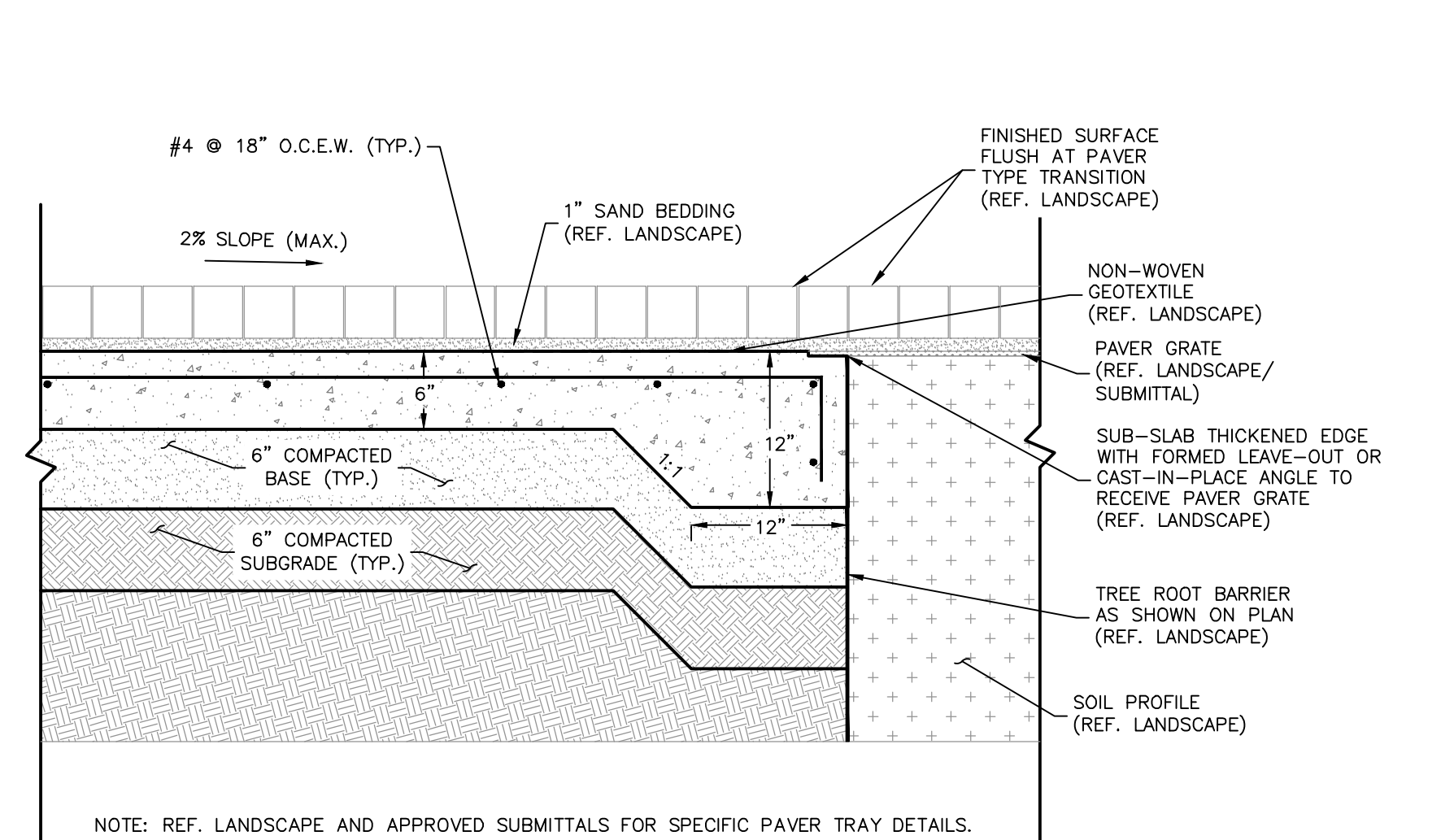


13A MODIFIED MANHOLE RING ENCASEMENT DETAIL

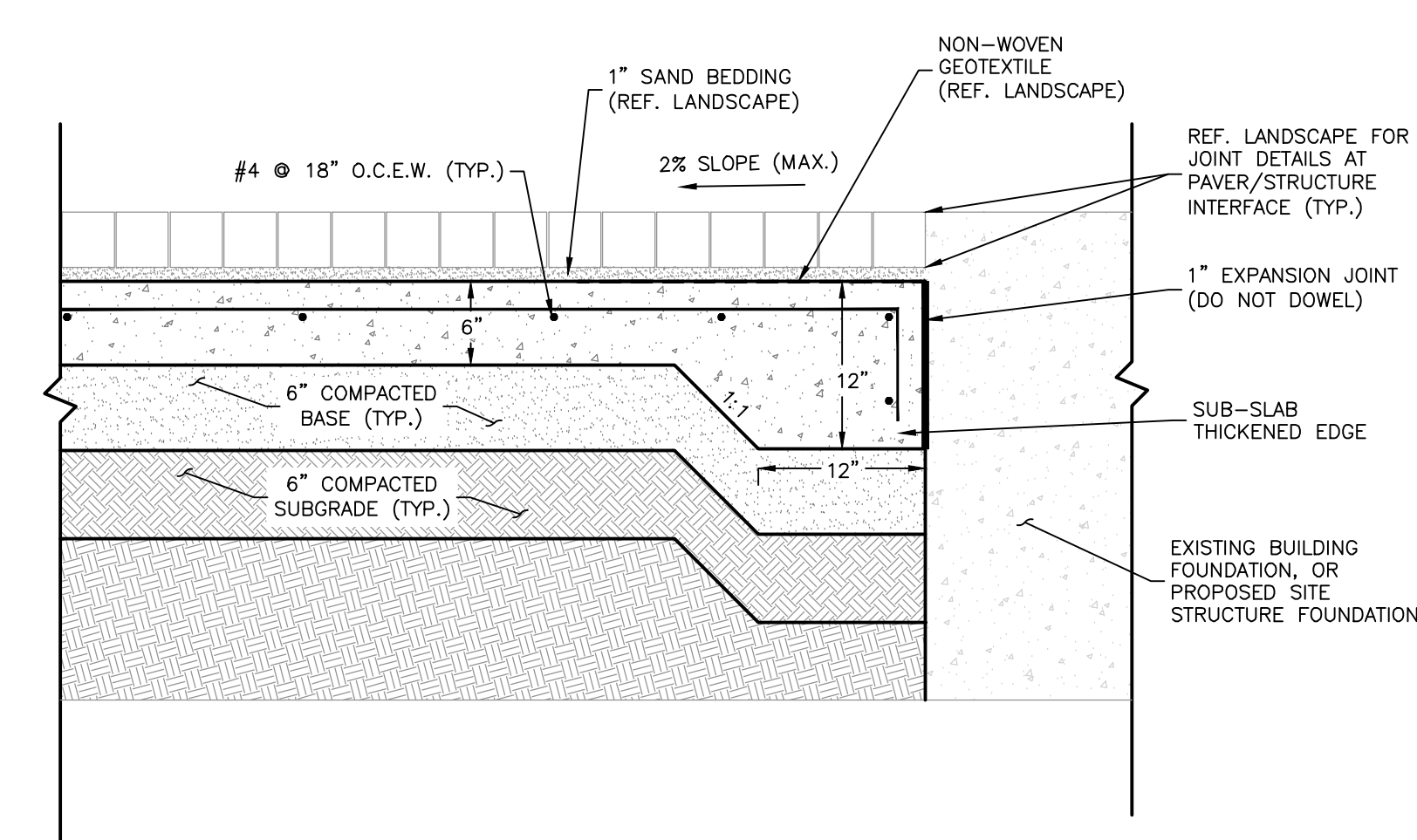
NOTE: FINISH EXPOSED SURFACE MANHOLE COVERS WITH BLACK MAX RUST CONVERTER (REF. LANDSCAPE FOR SPECIFICATION)



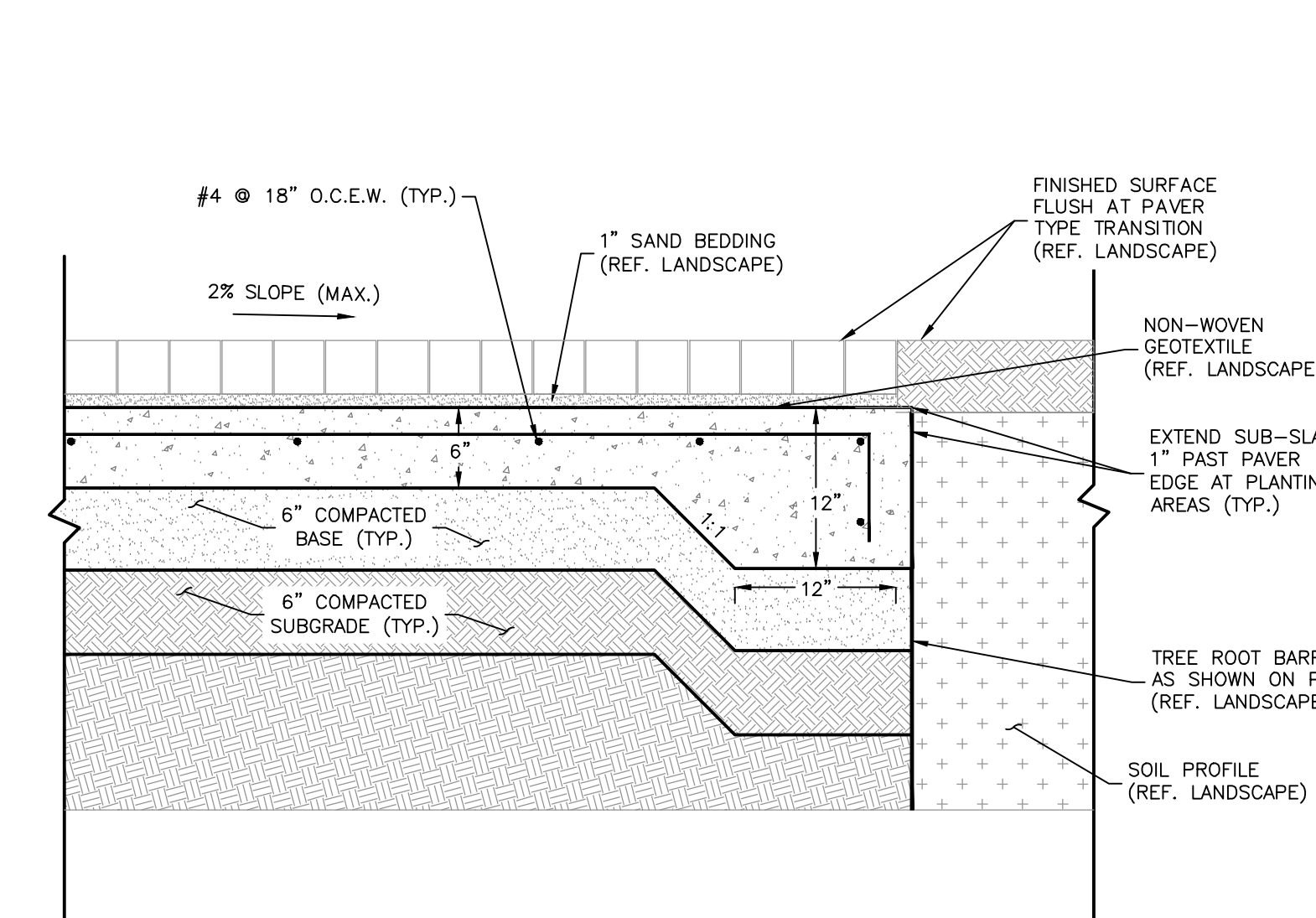
13B MODIFIED MANHOLE RING ENCASEMENT DETAIL



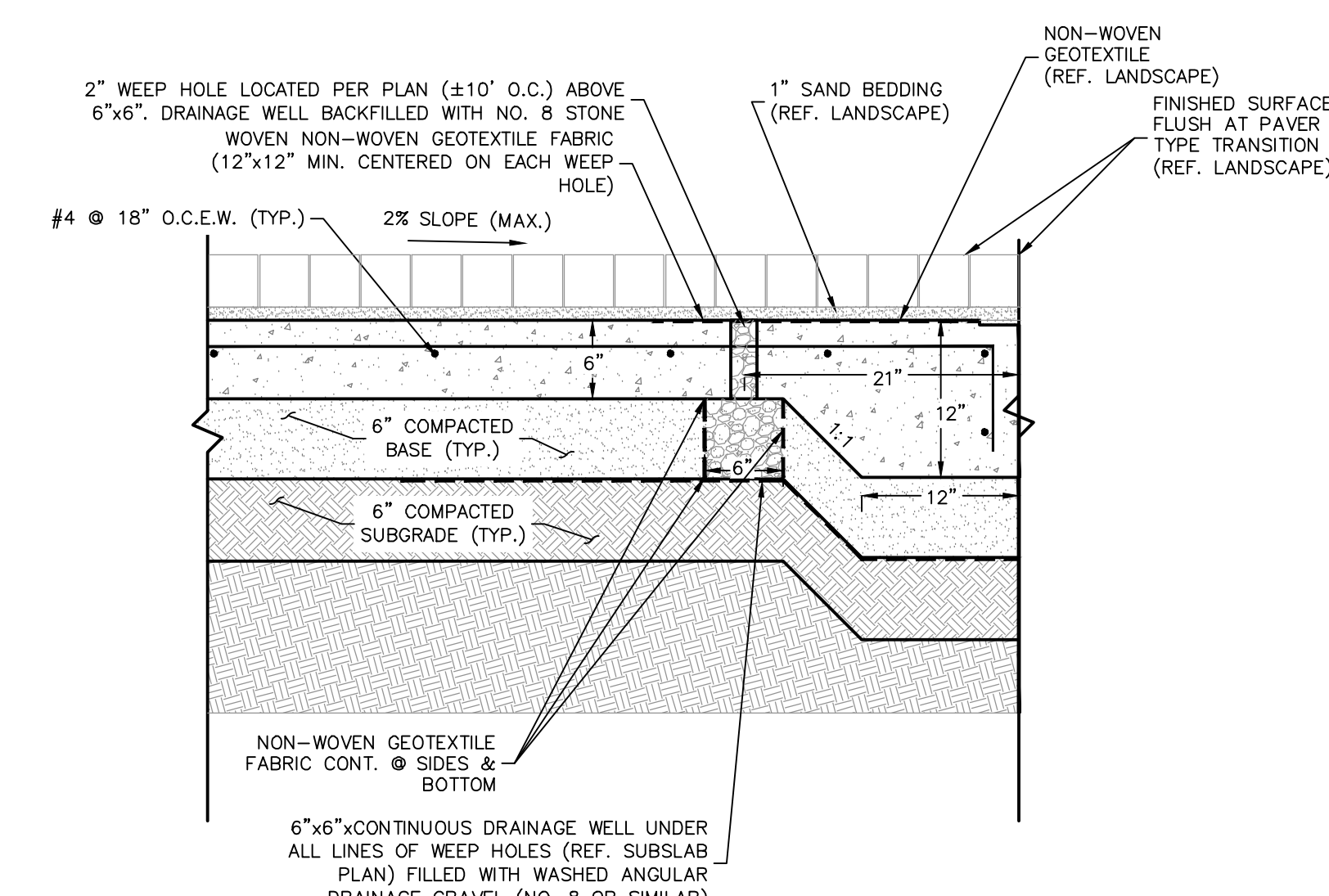
14A SUB-SLAB AT PAVER GRATE DETAIL



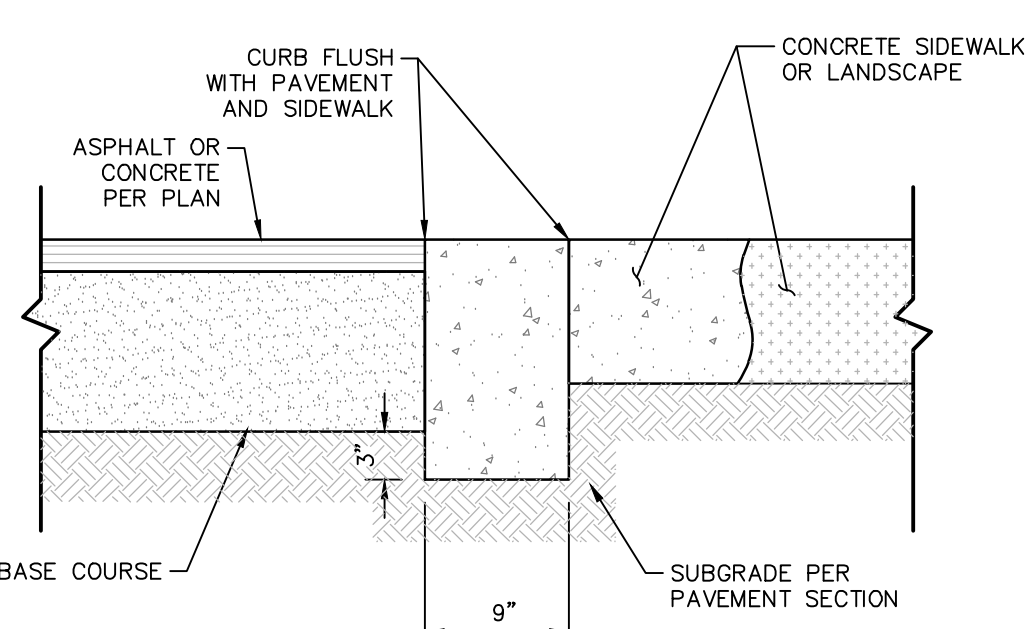
14C SUB-SLAB AT ADJACENT STRUCTURE DETAIL



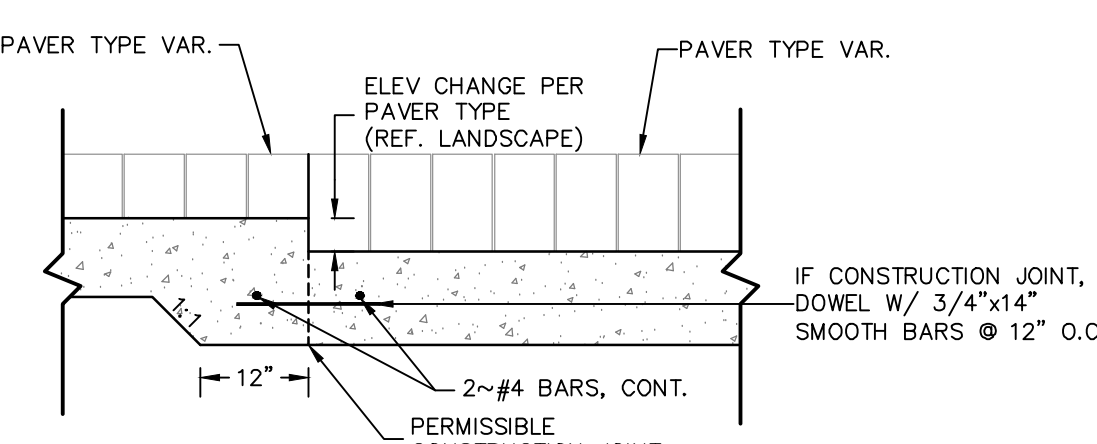
14B SUB-SLAB AT PLANTER EDGE DETAIL



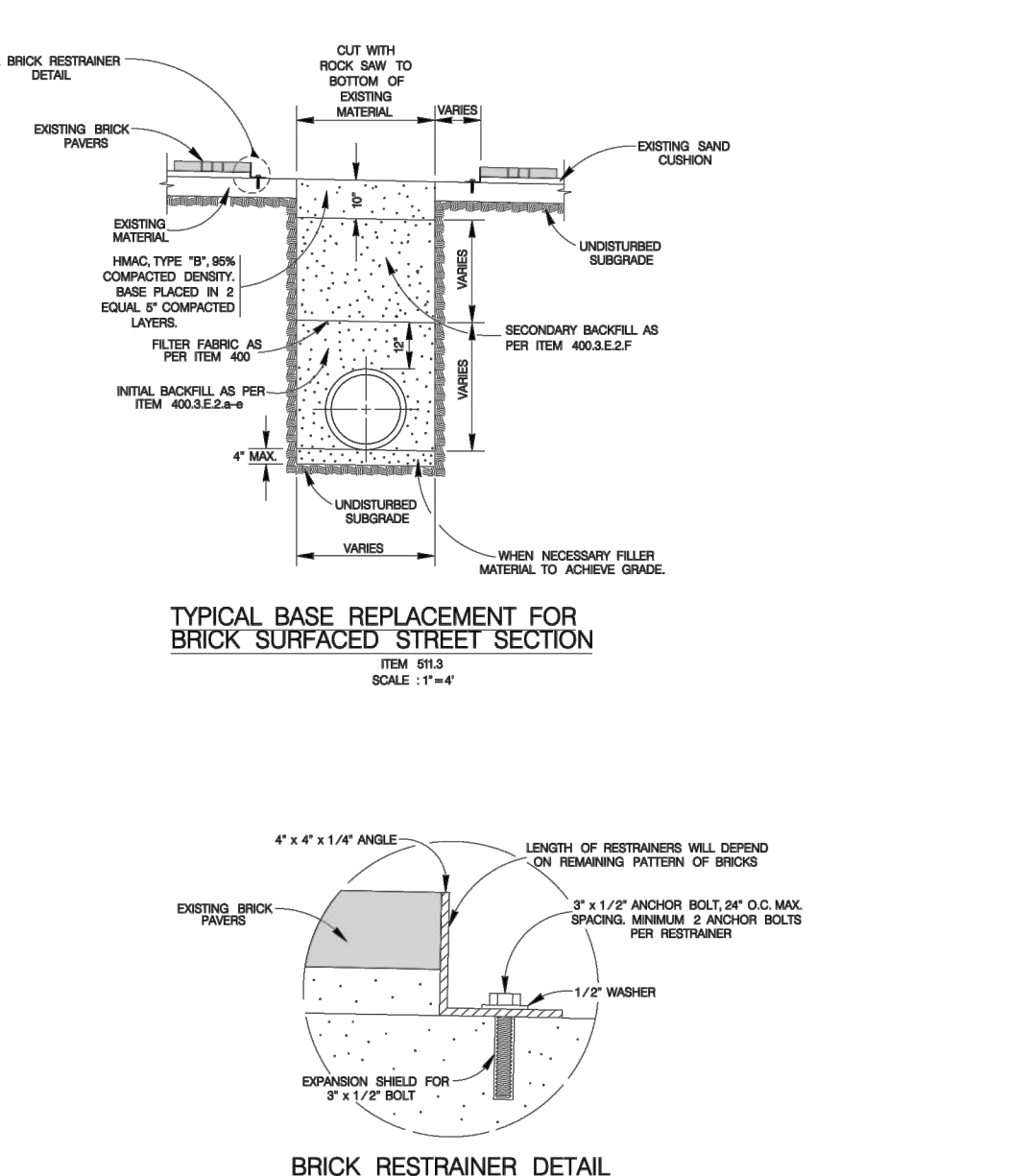
14D SUB-SLAB DRAINAGE DETAIL



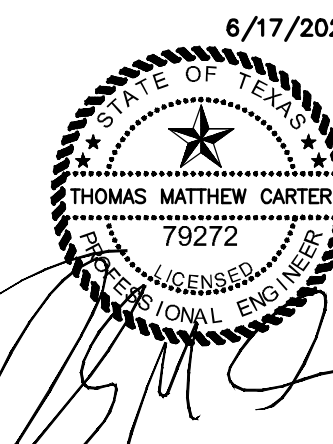
4 HEADER CURB DETAIL
NOT TO SCALE



9A SUB-SLAB AT PAVER
TRANSITION DETAIL
NOT-TO-SCALE



12 PAVER SURFACED STREET
PAVEMENT REPLACEMENT
NOT-TO-SCALE



Seal / Signature

△ Date	Description
06/19/2024	ISSUE FOR CONSTRUCTION

Project Name

ALAMO SITE - AREA 2C -
PROMENADE

Project Number

11078-68

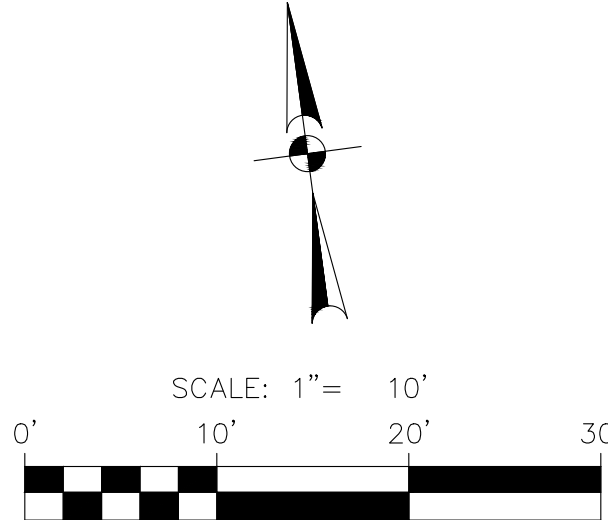
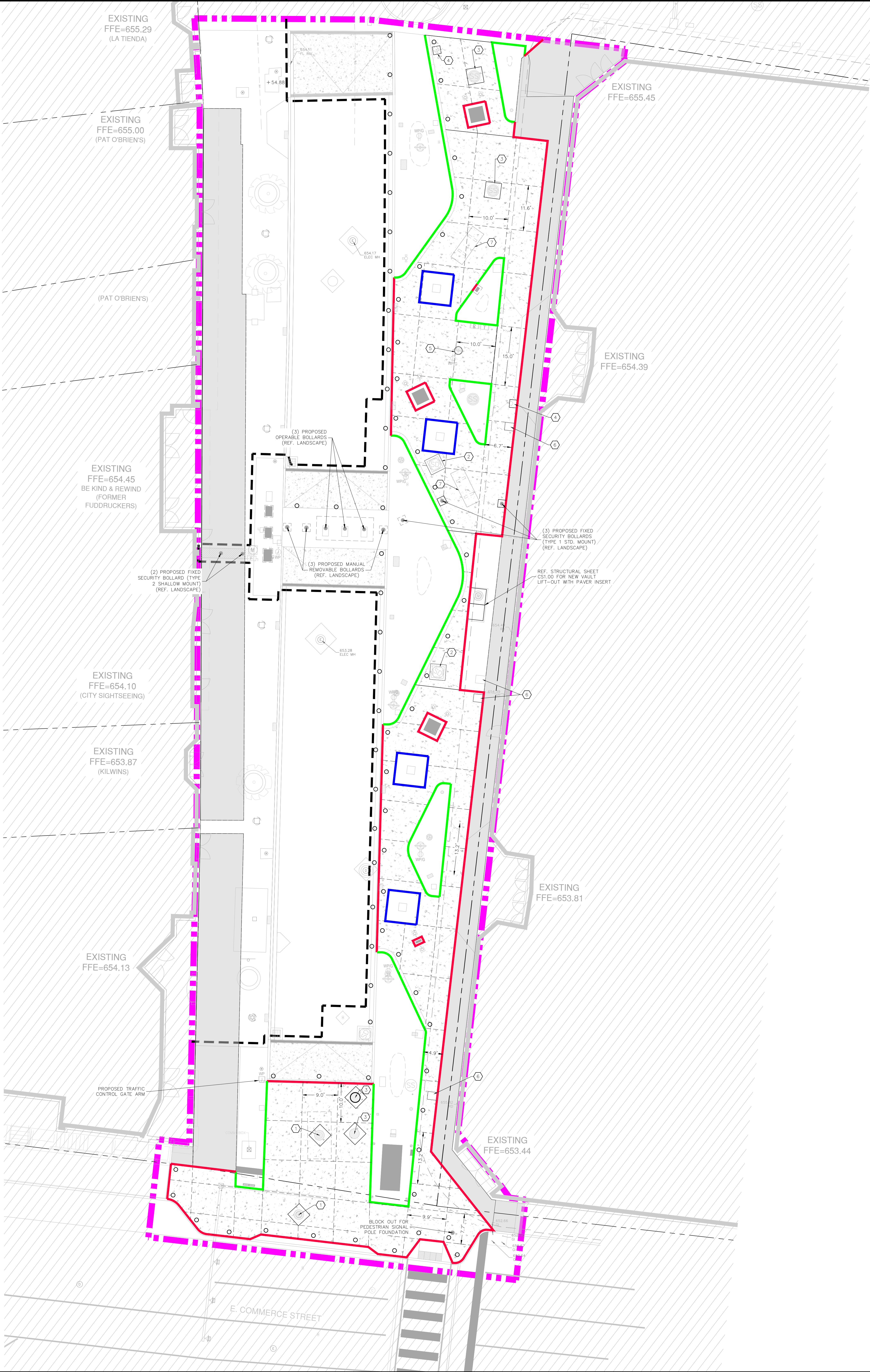
Description
CIVIL DETAILS

Scale

C1.10

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Date: Jun 17, 2024, 5:21pm User: G:\Users\Gensler\OneDrive\Documents\Projects\ALAMO TRUST\ALAMO TRUST SITE - AREA 2C - PROMENADE.dwg Plot: ALAMO TRUST SITE - AREA 2C - PROMENADE.dwg Plot Date: 6/17/2024 5:21pm



LEGEND

PROPERTY LINE	---
PHASE 2C PROJECT LIMITS	---
BID PROJECT LIMITS	---
PROPOSED SUB-SLAB CONSTRUCTION JOINT (REF. C1.10)	---
PROPOSED SUB-SLAB EXPANSION JOINT (REF. C1.10)	---
PROPOSED WEEP HOLE (REF. 14D/C1.10)	○
CROSS SECTION DETAIL	C1.10
PROPOSED CONCRETE SUB-SLAB (REF. C1.10 PLANS)	---
PROPOSED CONCRETE RAMP (REF. C1.10 FOR DETAILS)	---
PROPOSED SUB-SLAB EDGE CONDITION TYPE A (REF. 14A/C1.10)	---
PROPOSED SUB-SLAB EDGE CONDITION TYPE B (REF. 14B/C1.10)	---
PROPOSED SUB-SLAB EDGE CONDITION TYPE C (REF. 14C/C1.10)	---
EXISTING BUILDING BASEMENT	---

NOTE: REFERENCE SHEET C0.01 FOR GENERAL CONSTRUCTION NOTES

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 (G)(1)(C)(2), EXISTING AND PROPOSED SIDEWALK, CURB, RAMPS, AND DRIVE APPROACHES, WHETHER ON-SITE 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: UTILITIES WITH SURFACE EXPRESSIONS ALIGNING WITH THE BRICK PAVEMENT SHADING PATTERN SHALL BE BOXED OUT AS NEEDED. THE SUB-SLAB SHALL BE POURED TO ALLOW FLEXIBILITY IN THE PLACEMENT OF MANHOLE COVERS TO ALIGN WITH BANDING.

NOTE: ALLOW FOR 50 WEEP HOLES WITH APPROXIMATE LOCATIONS SHOWN (REF. 14D/C1.10 FOR DETAILS)

NOTE: PER UDC SECTION 35-506 (G)(1)(C)(2), EXISTING AND PROPOSED SIDEWALK, CURB, RAMPS, AND DRIVE APPROACHES, WHETHER ON-SITE 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).

KEYED NOTES

- EXISTING OR PROPOSED CPS/TELECOM MANHOLE SURFACE EXPRESSION WITH APRON POURED FLUSH WITH SUB-SLAB (REF. 13B/C1.10 FOR CPS DTLS)
- EXISTING OR PROPOSED STORM DRAIN MANHOLE WITH 4'-4" RECESSED APRON FLUSH WITH SUB-SLAB (REF. 13A/C1.10)
- EXISTING OR PROPOSED SANITARY SEWER MANHOLE WITH 4'-4" RECESSED APRON FLUSH WITH SUB-SLAB (REF. 13A/C1.10)
- EXISTING OR PROPOSED VALVE BOX TO BE ADJUSTED AND SET TO PROPOSED GRADE AND BOXED OUT OR POURED INTO SUB-SLAB SO THAT PAVERS CAN BE SET FLUSH WITH VALVE BOX COVER
- 2' DIAMETER (TYP.) LIGHT POLE BASE (REF. STRUCTURAL FOR DETAIL)
- ROOF DRAIN CONNECTION (REF. C4.00 FOR TYPE AND C4.10 FOR DETAILS)
- BENCH WITH STRUCTURAL FOOTING (REF. STRUCTURAL FOR REINFORCEMENT AND THICKENED SLAB DETAILS)

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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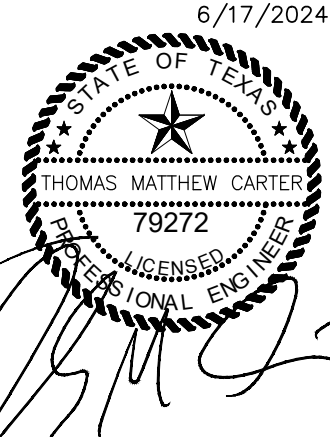
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Seal / Signature

Date Description

06/19/2024 ISSUE FOR CONSTRUCTION

Project Name

ALAMO SITE - AREA 2C -
PROMENADE

Project Number

11078-68

Description

SUBSLAB PLAN

Scale

C2.00

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Fax 2-2819



Seal / Signature

Date Description

06/19/2024 ISSUE FOR CONSTRUCTION

Project Name

ALAMO SITE - AREA 2C -
PROMENADE

Project Number

11078-68

Description

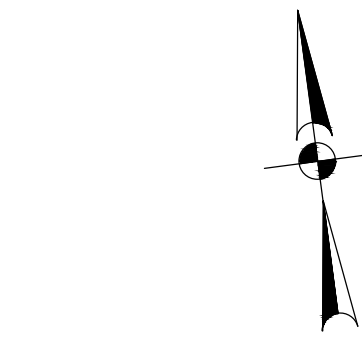
SUBSLAB PLAN (ALTERNATE BID)

Scale

C2.00A



LOCATION MAP
NOT-TO-SCALE



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

LEGEND

PROPERTY LINE	---
PHASE 2C PROJECT LIMITS	---
BID PROJECT LIMITS	---
PROPOSED SUB-SLAB CONTRACTION JOINT (REF. C1.10)	---
PROPOSED SUB-SLAB EXPANSION JOINT (REF. C1.10)	---
PROPOSED WEEP HOLE (REF. 14D/C1.10)	○
CROSS SECTION DETAIL	C1.10
PROPOSED CONCRETE SUB-SLAB (REF. C1.10 PLANS)	---
PROPOSED CONCRETE RAMP (REF. C1.10 FOR DETAILS)	---
PROPOSED SUB-SLAB EDGE CONDITION TYPE A (REF. 14A/C1.10)	---
PROPOSED SUB-SLAB EDGE CONDITION TYPE B (REF. 14B/C1.10)	---
PROPOSED SUB-SLAB EDGE CONDITION TYPE C (REF. 14C/C1.10)	---
EXISTING BUILDING BASEMENT	---

NOTE:
REFERENCE SHEET C0.01 FOR GENERAL CONSTRUCTION NOTES

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 ON-SITE 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 (CCSA).

NOTE:
UTILITIES WITH SURFACE EXPRESSIONS ALIGNING WITH THE BRICK PAVEMENT
BANDING PATTERN SHALL BE BOXED OUT AS NEEDED. THE SUB-SLAB SHALL
BE POURED TO ALLOW FLEXIBILITY IN THE PLACEMENT OF MANHOLE COVERS
TO ALIGN WITH BANDING.

NOTE:
ALLOW FOR 50' WEEP HOLES WITH APPROXIMATE LOCATIONS AS SHOWN
(REF. 14E/C1.10 FOR DETAILS)

NOTE: PER UDC SECTION 35-506 (a)(1)(C)(2), EXISTING AND PROPOSED
SIDEWALK, CURB, RAMPS, AND DRIVE APPROACHES, WHETHER ON-SITE 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 (CCSA).

KEYED NOTES

- EXISTING OR PROPOSED OPS/TELECOM
MANHOLE SURFACE EXPRESSION WITH
APRON POURED FLUSH WITH SUB-SLAB
(REF. 13B/C1.10 FOR OPS DTLS)
- EXISTING OR PROPOSED STORM DRAIN
MANHOLE WITH 4'-4" RECESSED
APRON FLUSH WITH SUB-SLAB
(REF. 13A/C1.10)
- EXISTING OR PROPOSED SANITARY
SEWER MANHOLE WITH 4'-4" RECESSED
APRON FLUSH WITH SUB-SLAB
(REF. 13A/C1.10)
- EXISTING OR PROPOSED VALVE BOX
TO BE ADJUSTED AND SET TO
PROPOSED GRADE AND BOXED OUT
OR POURED INTO SUB-SLAB SO
THAT PAVEMENT CAN BE SET FLUSH
WITH VALVE BOX COVER
- 2" DIAMETER (TYP.) LIGHT POLE BASE
(REF. STRUCTURAL FOR DETAIL)
- ROOF DRAIN CONNECTION
(REF. C4.00 FOR TYPE AND
C4.10 FOR DETAILS)
- BENCH WITH STRUCTURAL FOOTING
(REF. STRUCTURAL FOR REINFORCEMENT
AND THICKENED SLAB DETAILS)

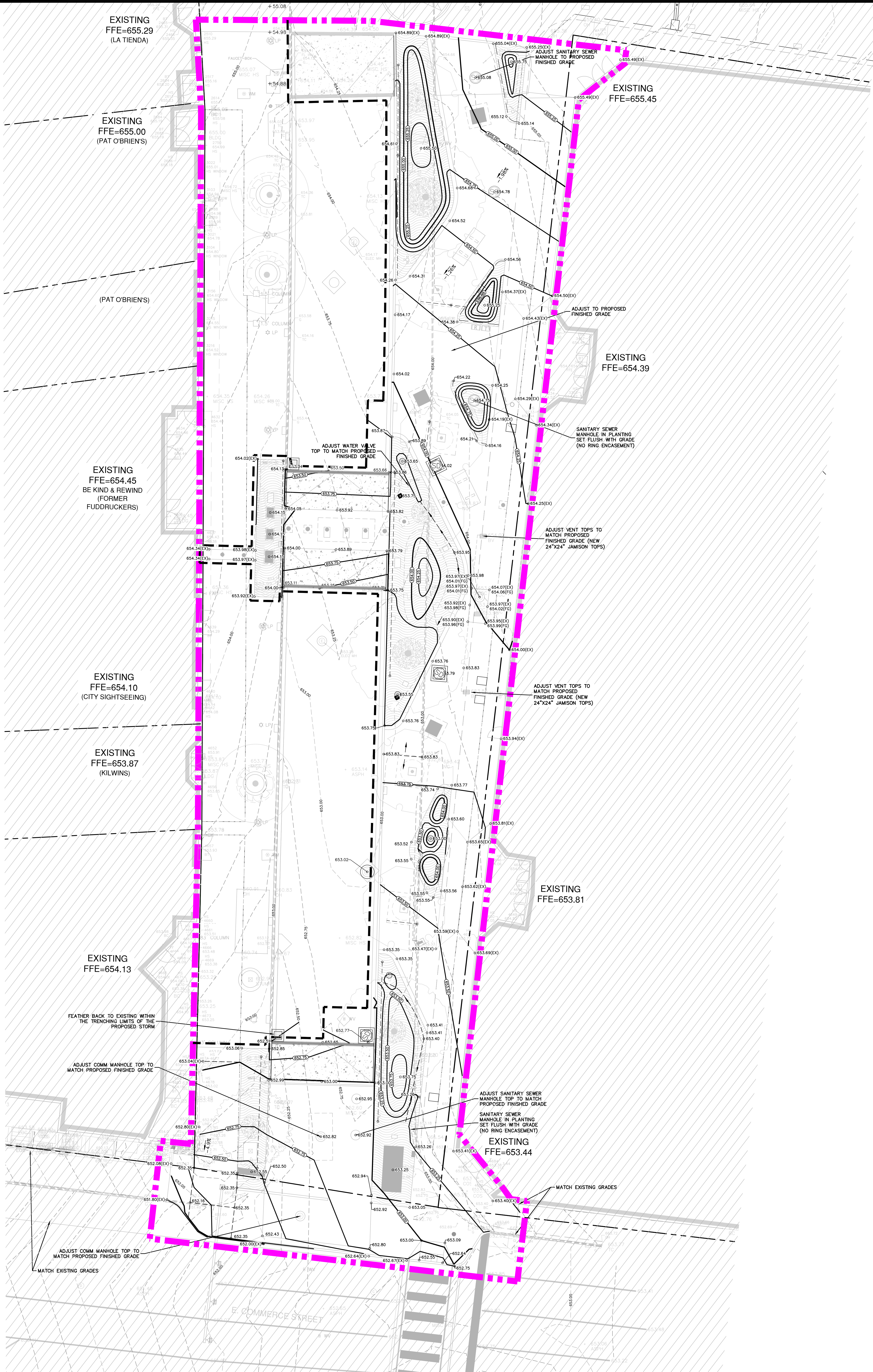
TRENCH EXCAVATION SAFETY PROTECTION

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
COMPLIES 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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Date: Jun 18, 2024, 9:45am User: D:\hines
File: C:\Users\hines\OneDrive\Documents\ALAMO SITE - AREA 2C - PROMENADE.dwg



NOTE: PER UDC SECTION 35-506 (a)(1)(C)(2), EXISTING AND PROPOSED SIDEWALK, CURB RUMPS, AND DRIVE APPROACHES, WHETHER ON-SITE 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:

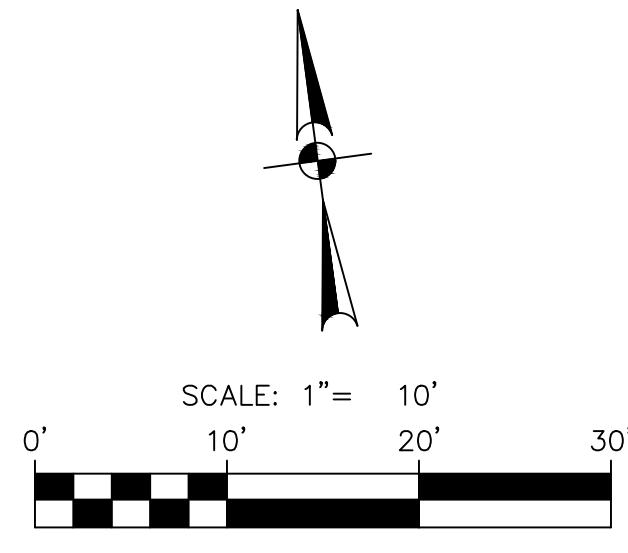
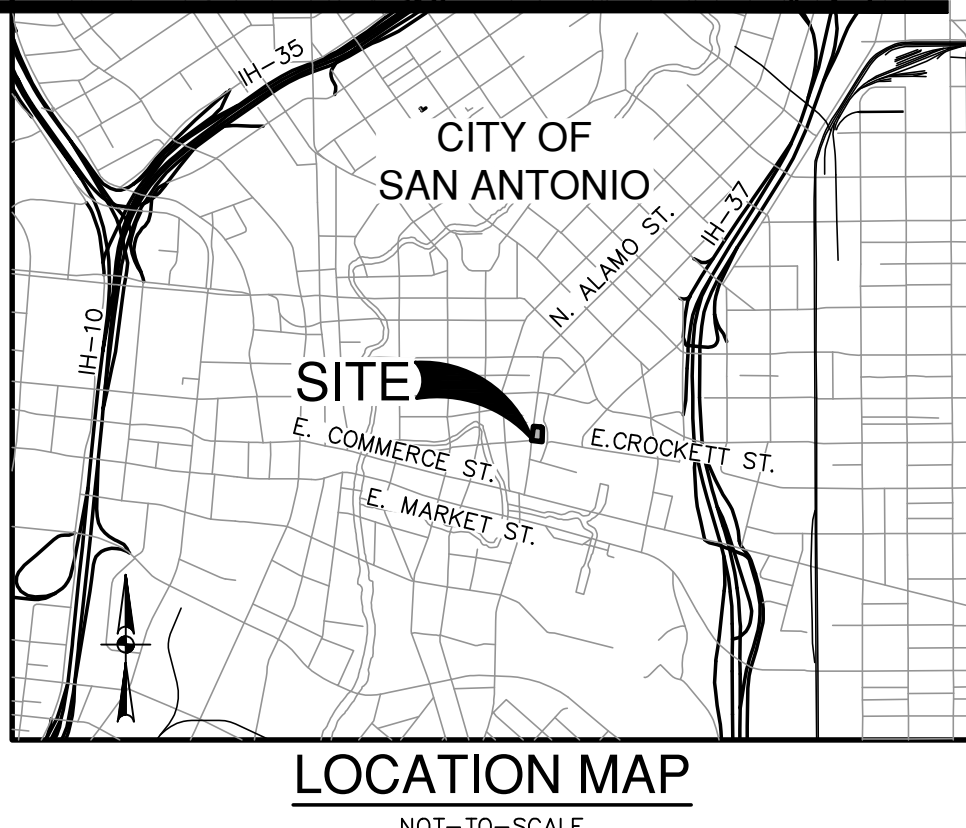
1. ALL STORM DRAIN JUNCTION BOX RINGS AND COVERS SHALL BE BOLTED. ALL GRATE INLETS SHALL HAVE GRATES TACK WELDED ON ALL SIDES.
2. CONTRACTOR SHALL GROUT ALL STORM DRAIN JUNCTION BOXES AND DROP STRUCTURES TO DRAIN.
3. CONTRACTOR SHALL PROVIDE MATERIAL SUBMITTALS TO ENGINEER PRIOR TO STORM DRAINAGE CONSTRUCTION. GENERALLY 300-26 PVC STORM DRAIN PIPE IS ACCEPTABLE UNDER 18" OR HOPE PIPE IS ACCEPTABLE FROM 18" TO 30", AND ROP IS ACCEPTABLE AT 36" AND ABOVE. OTHER MATERIALS MAY BE CONSIDERED.
4. CONTRACTOR SHALL CONCRETE COLLAR ALL STORM DRAINS DIRECT THE-INS AND CONNECTIONS TO STRUCTURES.
5. ALL ATTRUM DRAINS TO BE ROUND NOS, POLYULFVN GRATE WITH U.V. INHIBITORS, BLACK HOPE (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 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 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.



LEGEND

- PROPERTY LINE
PHASE 2C PROJECT LIMITS
BID PROJECT LIMITS
EXISTING CURB
PROPOSED STANDARD CURB
EXISTING CONTOURS
5 FT CONTOUR
1 FT CONTOUR
PROPOSED CONTOURS
5 FT CONTOUR
1 FT CONTOUR
EXISTING SPOT ELEVATIONS
PROPOSED SPOT ELEVATIONS
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 BY 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 DIMENSIONS 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. THESE MATERIALS ARE NOT SUITABLE FOR DRAINAGE 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 PREP/SMPP 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 DRAINAGEWAYS, CONTRACTOR SHALL IMMEDIATELY REMOVE SILT/DEBRIS WHICH WASHES OFFSITE OR INTO EXISTING STORM DRAIN SYSTEMS. (SEE SWPPP PLANS & PREP/SMPP REQUIREMENTS).
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 1:05 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 RECOVER 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 CONTRACTOR'S 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 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.
3. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES. THE CONTRACTOR SHOULD EXERCISE EXTREME CAUTION WHEN WORKING NEAR EXISTING UTILITIES AND SHOULD 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 GRATE 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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San Antonio, TX 78205
Tel 210.819.4948

Seal / Signature

Date Description

06/19/2024 ISSUE FOR CONSTRUCTION

Project Name

ALAMO SITE - AREA 2C - PROMENADE

Project Number

11078-68

Description

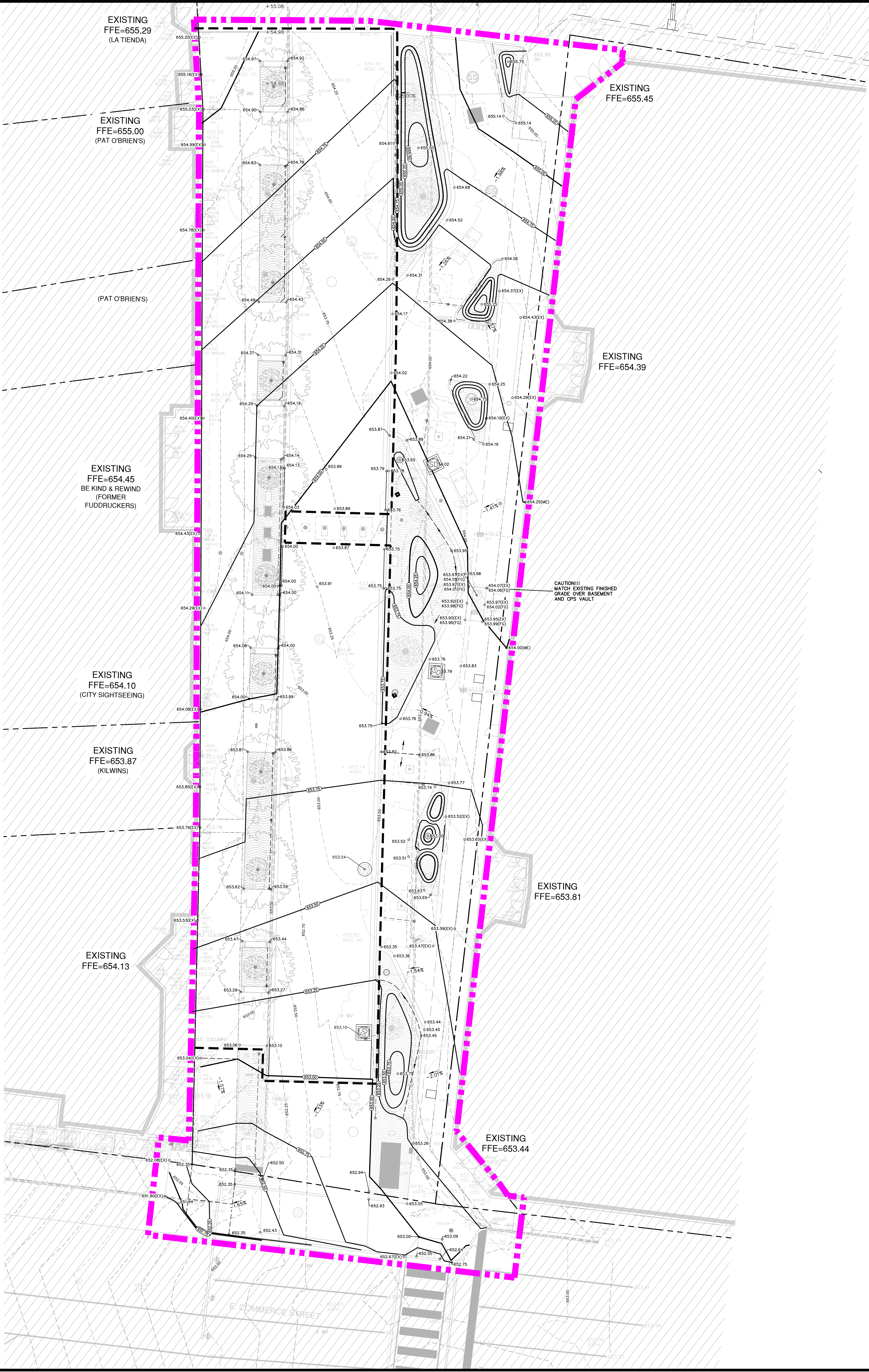
GRADING PLAN

Scale

C3.00

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Date: Jun 18, 2024, 9:57am User: D:\hrous
File: C:\Users\hrous\OneDrive\Documents\ALAMO SITE - AREA 2C - PROMENADE.dwg



NOTE: PER UDC SECTION 35-506 (a)(1)(C)(2), EXISTING AND PROPOSED SIDEWALK, CURB RAMP, AND DRIVE APPROACHES, WHETHER ON-SITE 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:

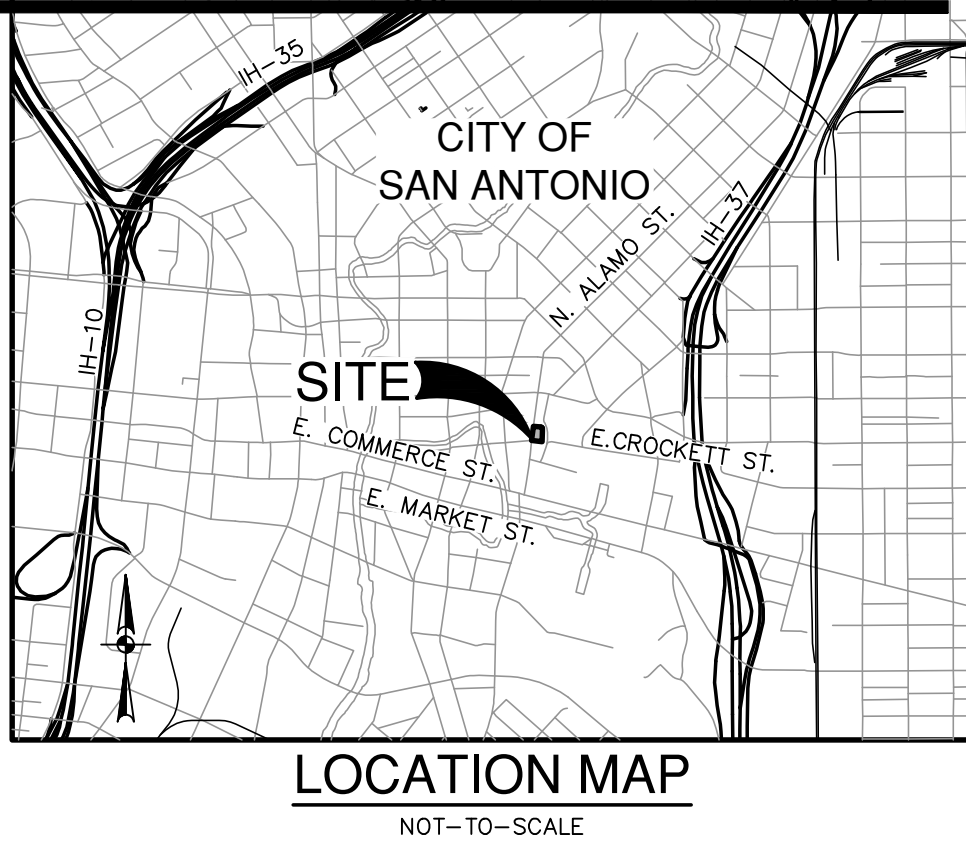
1. ALL STORM DRAIN JUNCTION BOX RINGS AND COVERS SHALL BE BOLTED. ALL GRATE INLETS SHALL HAVE GRATES TACK WELDED ON ALL SIDES.
2. CONTRACTOR SHALL GROUT ALL STORM DRAIN JUNCTION BOXES AND DROP STRUCTURES TO DRAIN.
3. CONTRACTOR SHALL PROVIDE MATERIAL SUBMITTALS TO ENGINEER PRIOR TO STORM DRAINAGE CONSTRUCTION. GENERALLY 300-26 PVC STORM DRAIN PIPE IS ACCEPTABLE UNDER 18" RCP OR HOPE 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 THE-INS AND CONNECTIONS TO STRUCTURES.
5. ALL ATTIUM DRAINS TO BE ROUND NOS, POLYDEFIN GRATE WITH U.V. INHIBITORS, BLACK HOPE (OR APPROVED EQUAL)
6. CONTRACTOR TO SUBMIT ROOF DRAIN DOWNSPOUT BOOT TO UNDERGROUND STORM FOR LANDSCAPE/ARCHITECT APPROVAL PRIOR TO INSTALLATION

CAUTION!!!

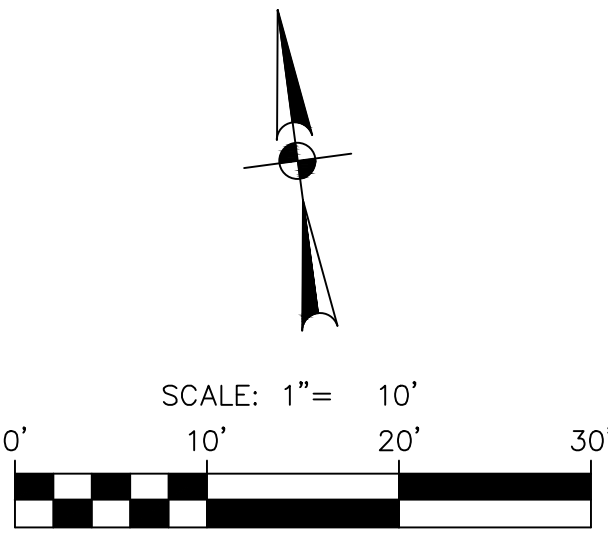
CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITED TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL, DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE 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 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.



LOCATION MAP
NOT-TO-SCALE



LEGEND

PROPERTY LINE	---
PHASE 2C PROJECT LIMITS	---
BID PROJECT LIMITS	---
EXISTING CURB	---
PROPOSED STANDARD CURB	---
EXISTING CONTOURS	---
5 FT CONTOUR	---
1 FT CONTOUR	---
PROPOSED CONTOURS	---
5 FT CONTOUR	---
1 FT CONTOUR	---
EXISTING SPOT ELEVATIONS	+
PROPOSED SPOT ELEVATIONS	+
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 DIMAS 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 DRAINAGE AND TOPSOIL, CLEAN STEPPINGS 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 TREES/SHRUB 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 DRAINAGEWAYS. CONTRACTOR SHALL IMMEDIATELY REMOVE SILT/DEBRIS WHICH WASHES OFFSITE OR INTO EXISTING STORM DRAIN SYSTEMS. (SEE SWPPP PLANS & TIES 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 1:05 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 RECOVER 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 CONTRACTOR'S 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.
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3. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES. THE CONTRACTOR SHOULD EXERCISE EXTREME CAUTION WHEN WORKING NEAR EXISTING UTILITIES AND SHOULD IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES. THE CONTRACTOR WILL BE REQUIRED TO REPAIR OR REPLACE THE DAMAGED FACILITIES AT CONTRACTOR'S EXPENSE.
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Seal / Signature

Date Description

06/19/2024 ISSUE FOR CONSTRUCTION

Project Name

ALAMO SITE - AREA 2C -
PROMENADE

Project Number

11078-68

Description

GRADING PLAN (ALTERNATE BID)

Scale

C3.00A

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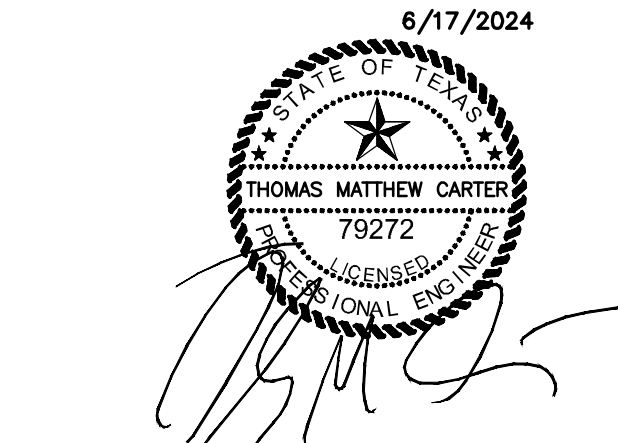
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Seal / Signature

△	Date	Description
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06/19/2024 ISSUE FOR CONSTRUCTION

Project Name

ALAMO SITE - AREA 2C -
PROMENADE

Project Number

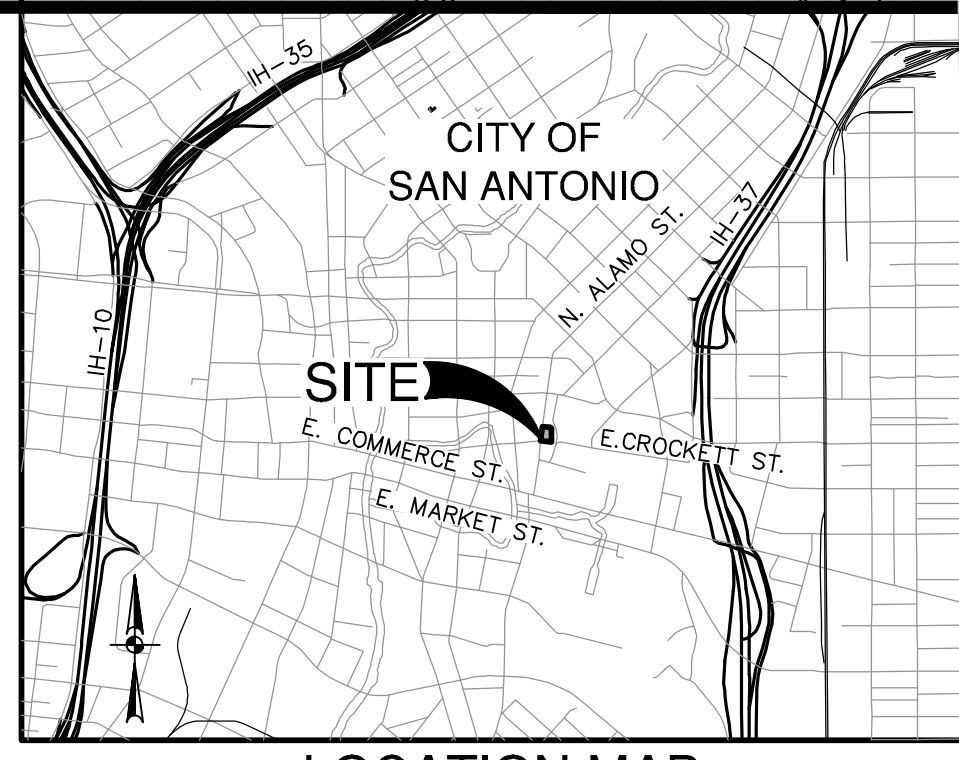
11078-68

Description

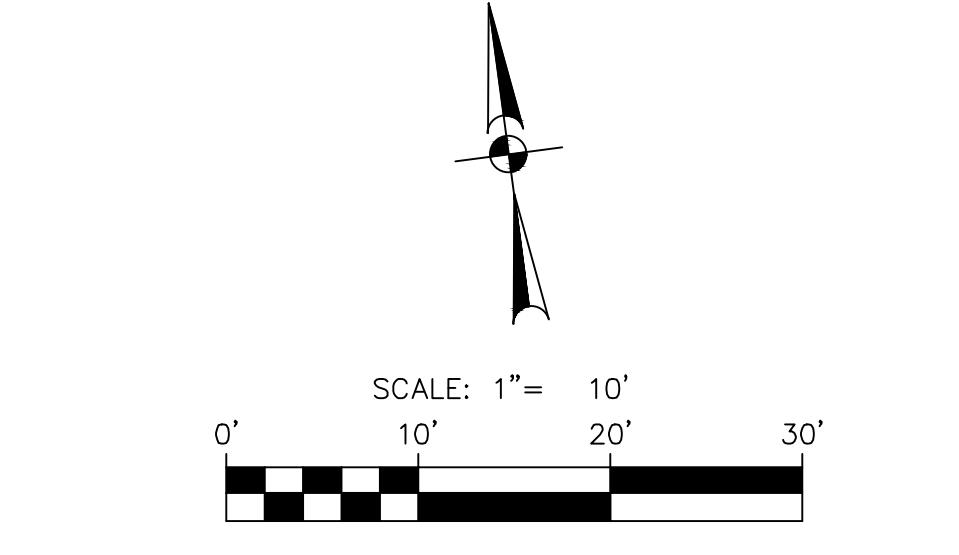
DRAINAGE PLAN (ALTERNATE BID)

Scale

C4.00A



LOCATION MAP
NOT-TO-SCALE



LEGEND

PROPERTY LINE	---
PHASE 2C PROJECT LIMITS	---
BID PROJECT LIMITS	---
EXISTING CURB	---
PROPOSED STANDARD CURB	---
EXISTING CONTOURS	---
1 FT CONTOUR	---
0.25 FT CONTOUR	---
PROPOSED CONTOURS	---
1 FT CONTOUR	---
0.25 FT CONTOUR	---
EXISTING SPOT ELEVATIONS	---
PROPOSED SPOT ELEVATIONS	---
EXISTING DIRECTIONAL FLOW ARROW	---
PROPOSED DIRECTIONAL FLOW ARROW	---

NOTE:
REFERENCE SHEET C0.01 FOR GENERAL CONSTRUCTION NOTES

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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.
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9. THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR SITE STABILIZATION. ALL DISTURBED AREAS SHALL BE REVEGETATED IN ACCORDANCE WITH PROJECT SPECIFICATIONS AND PREP/SMPP 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 DRAINAGEWAYS. CONTRACTOR SHALL IMMEDIATELY REMOVE SILT/DEBRIS WHICH WASHES OFFSITE OR INTO EXISTING STORM DRAIN SYSTEMS. (SEE SWPPP PLANS & TIDES 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 EXISTING SLOPES SHALL BE A MAXIMUM OF 3:1 AND A MINIMUM OF 1:0% UNLESS OTHERWISE SHOWN.
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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 BEHAVIOR.
19. NO WORK SHALL BE PERFORMED IN A PUBLIC RIGHT-OF-WAY WITHOUT A PERMIT.

DRAINAGE NOTES:

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9. ALL STORM DRAIN TO JUNCTION BOX CONNECTIONS SHALL HAVE CONCRETE COLLARS.
10. ALL GRATE INLETS MUST BE HS20 RATED GRATES.



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2000 HW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TPE FIRM REGISTRATION #470 | TPELS FIRM REGISTRATION #1022800

NOTE: PER LDC SECTION 35-506 (a)(1)(C)(2), EXISTING AND PROPOSED SIDEWALK, CURB RAMP, AND DRIVE APPROACHES, WHETHER ON-SITE 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 OR BOLTED SECURELY WITH MANUFACTURER-PROVIDED HARDWARE.
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 SUP-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 ATXDM DRAINS TO BE ROUND NDS, POLYOLEFIN GRATE WITH U.V. INHIBITORS, BLACK HOPE (OR APPROVED EQUAL).
6. CONTRACTOR TO SUBMIT ROOF DRAIN DOWNSPOUT BOOT TO UNDERGROUND STORM FOR LANDSCAPE/ARCHITECT APPROVAL PRIOR TO INSTALLATION.
7. SLOTTED DRAINS SHALL BE ACQ DRAIN BRICKSLOT 100 (OR APPROVED EQUAL) AT 0.00% INTERNAL SLOPE WITH HELL RESISTANT GRATE. SLOTTED DRAIN OUTLETS TO BE BOTTOM OUTLETS WITH 4"x6" ROUND ACQ 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 CONCRETE SUBSLAB AND RECEIVE 150MM X 150MM WANDERCOVER. ALL STORM DRAIN CAST IRON CLEANOUT CAPS IN HARDSCAPE AREAS SHALL BE INSTALLED FLUSH WITH CONCRETE SUBSLAB AND RECEIVE 50MM X 30MM WANDERCOVER.
9. PROVIDE ALLOWANCE FOR ADDITIONAL 200 LF-12"SD AND 500 LF-2"SD UNTIL ISSUE FOR CONSTRUCTION.

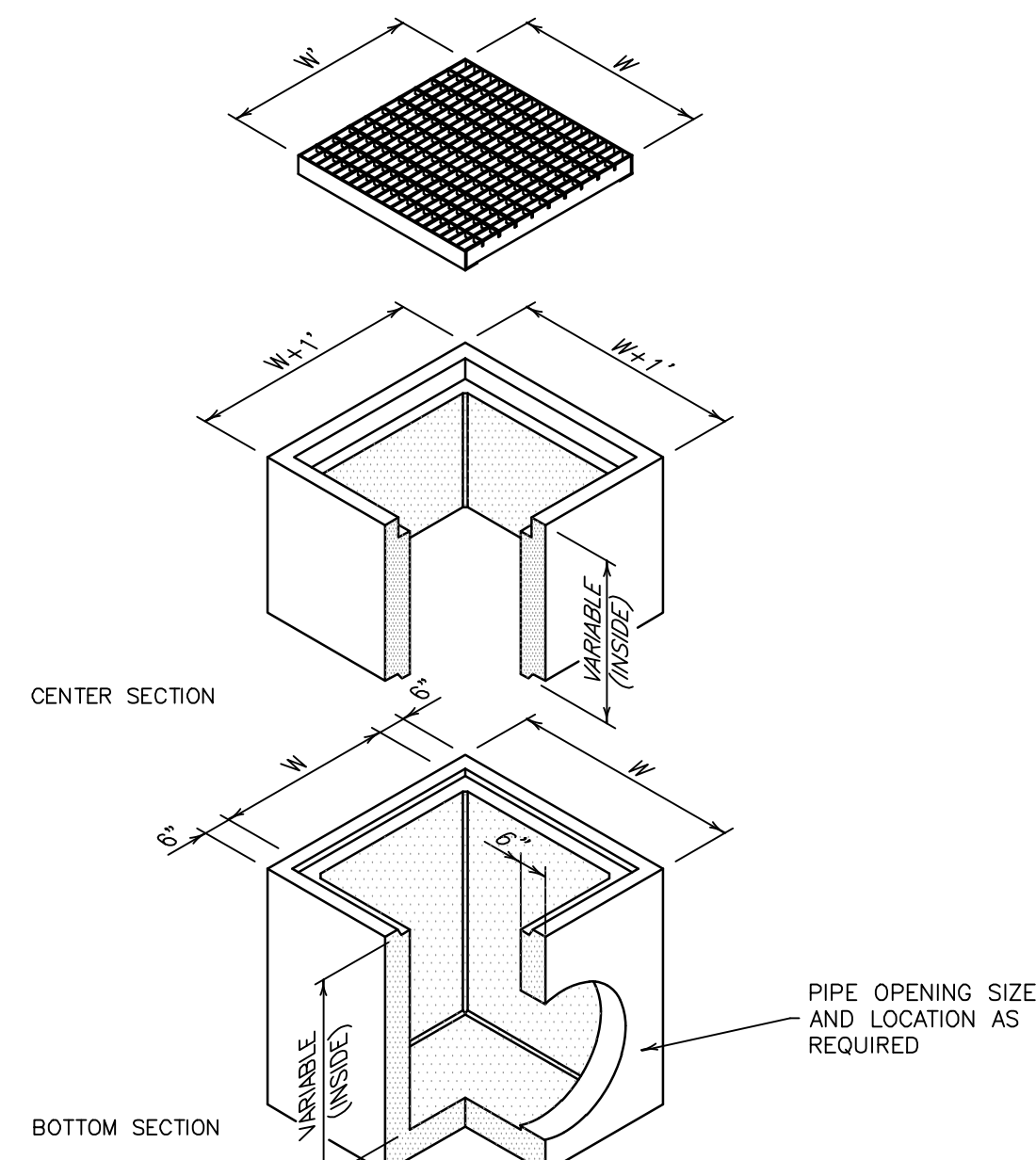
CAUTION!!!

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.

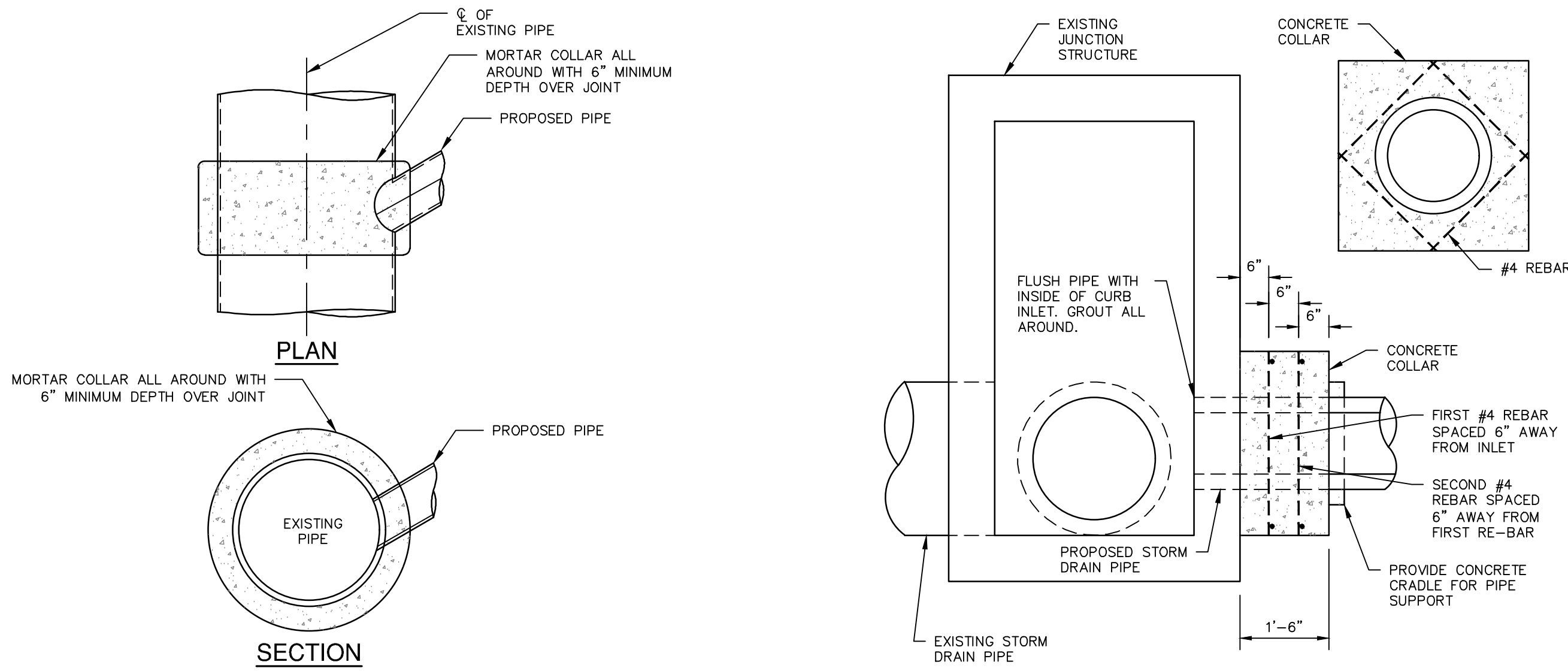
TRENCH EXCAVATION SAFETY PROTECTION

CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL/SAFETY EQUIPMENT INSULTANT, 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 EXCAVATION. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS CONCERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

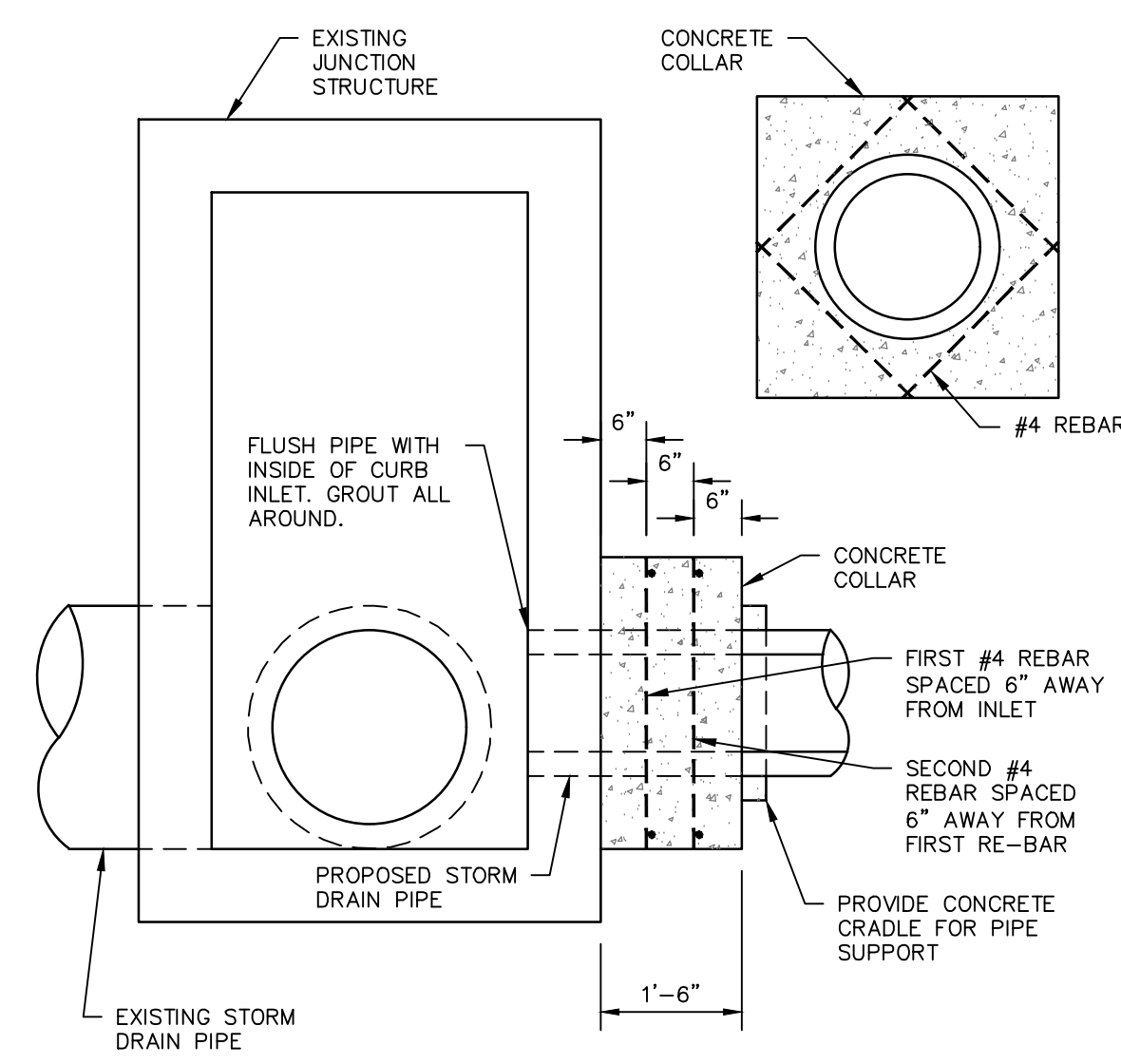
Date: Jun 17, 2024, 10:12am User: D:\mcaurion
File: C:\Users\mcaurion\OneDrive\Documents\ALAMO SITE - AREA 2C - PROMENADE.dwg



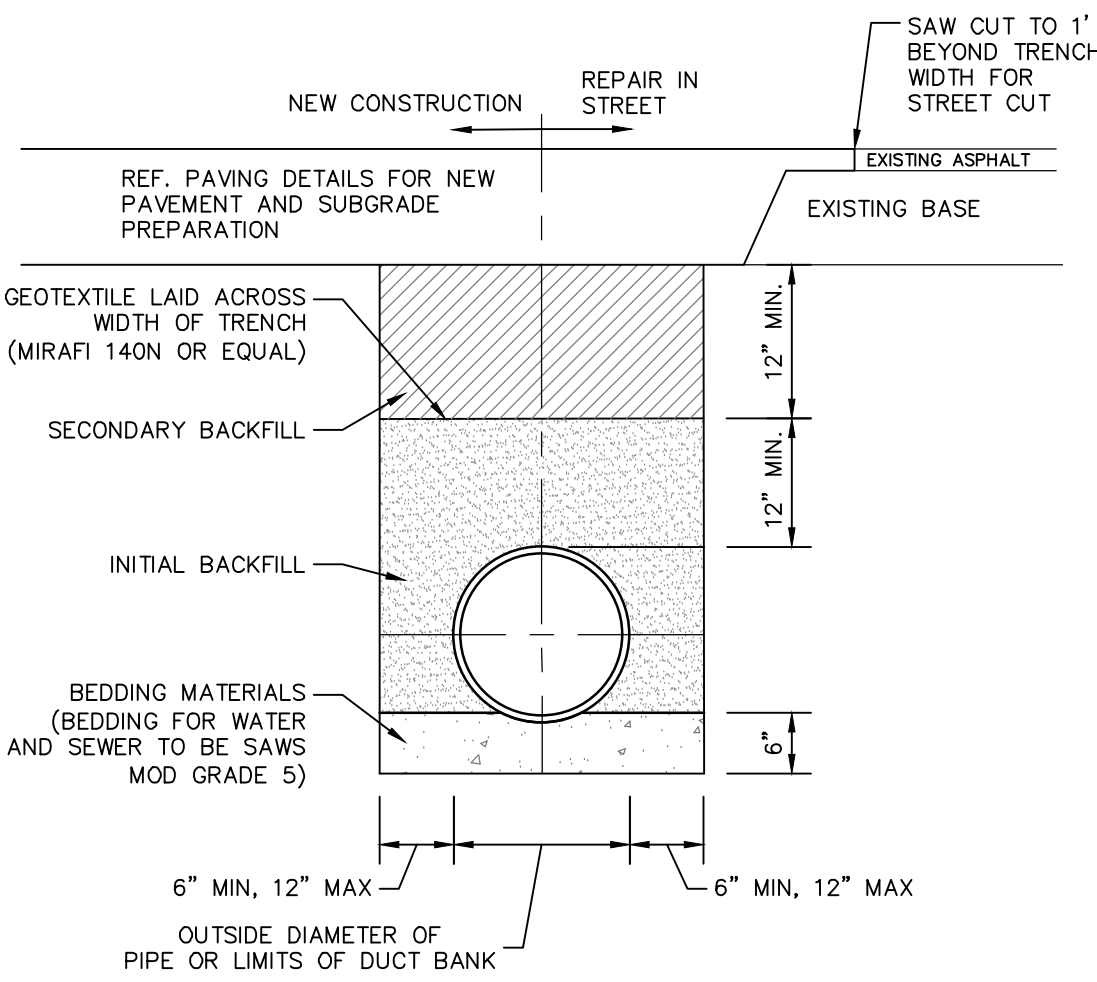
1 TYPICAL GRATE INLET
NOT-TO-SCALE



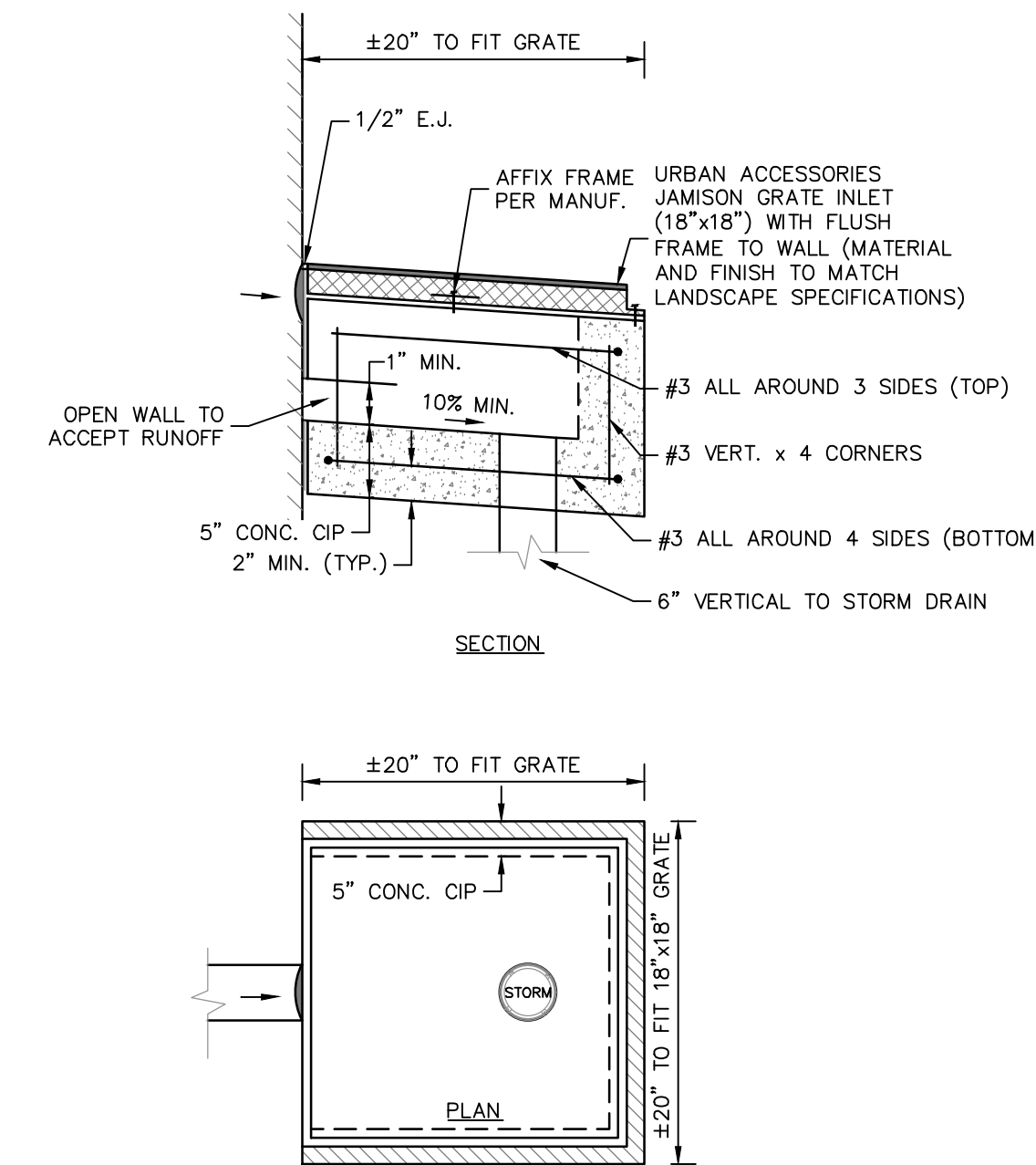
5 STORM PIPE CONNECTION
NOT-TO-SCALE



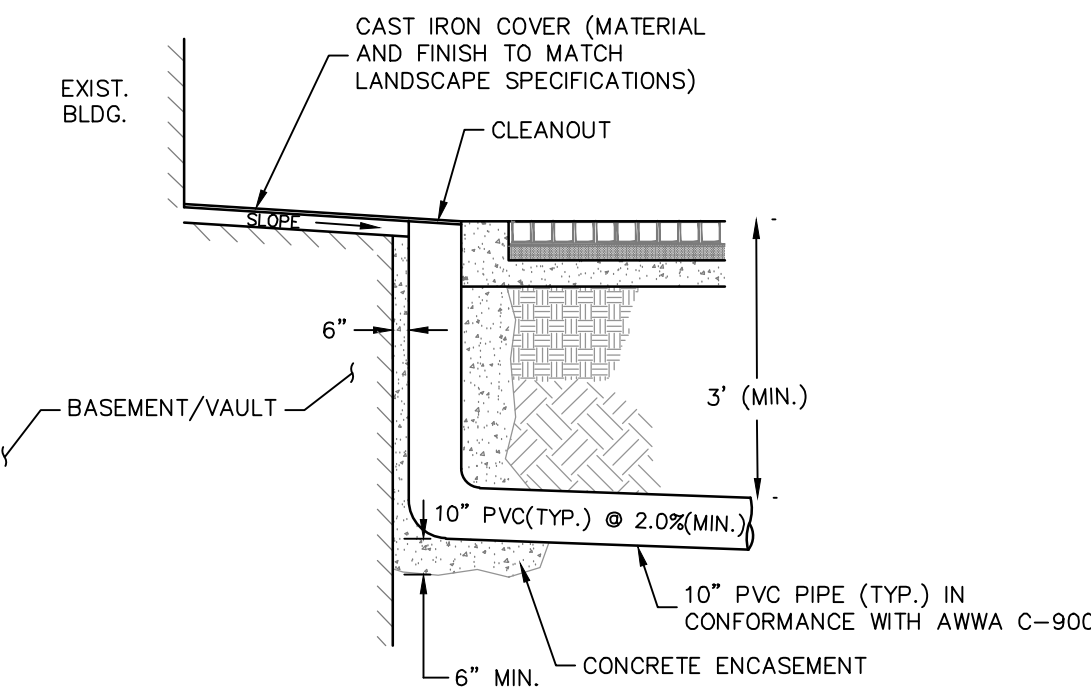
9 JUNCTION BOX/GRATE INLET TIE-IN
NOT-TO-SCALE



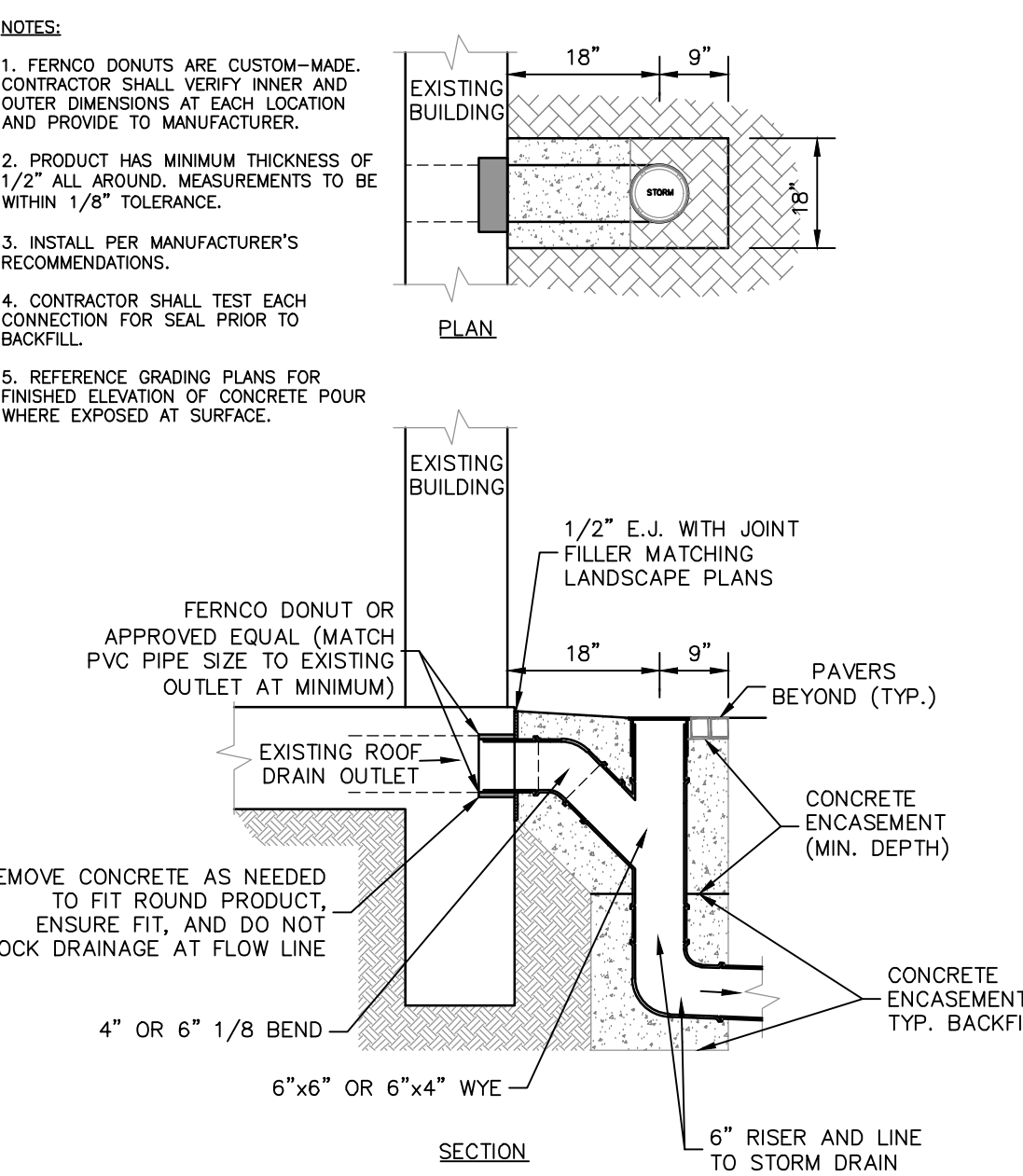
2 UTILITY & STORM DRAINAGE TRENCH
NOT-TO-SCALE



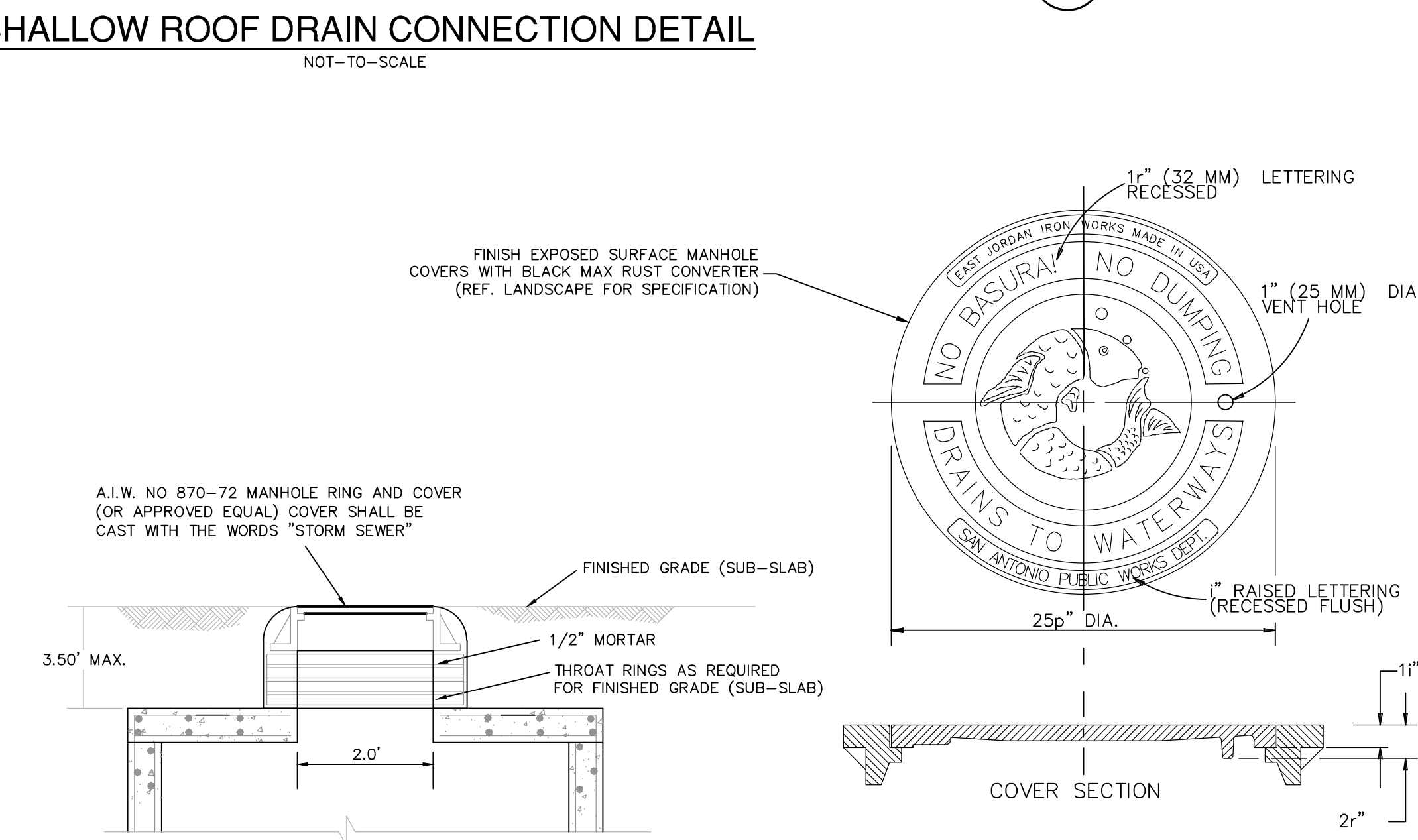
6 SHALLOW ROOF DRAIN CONNECTION DETAIL
NOT-TO-SCALE



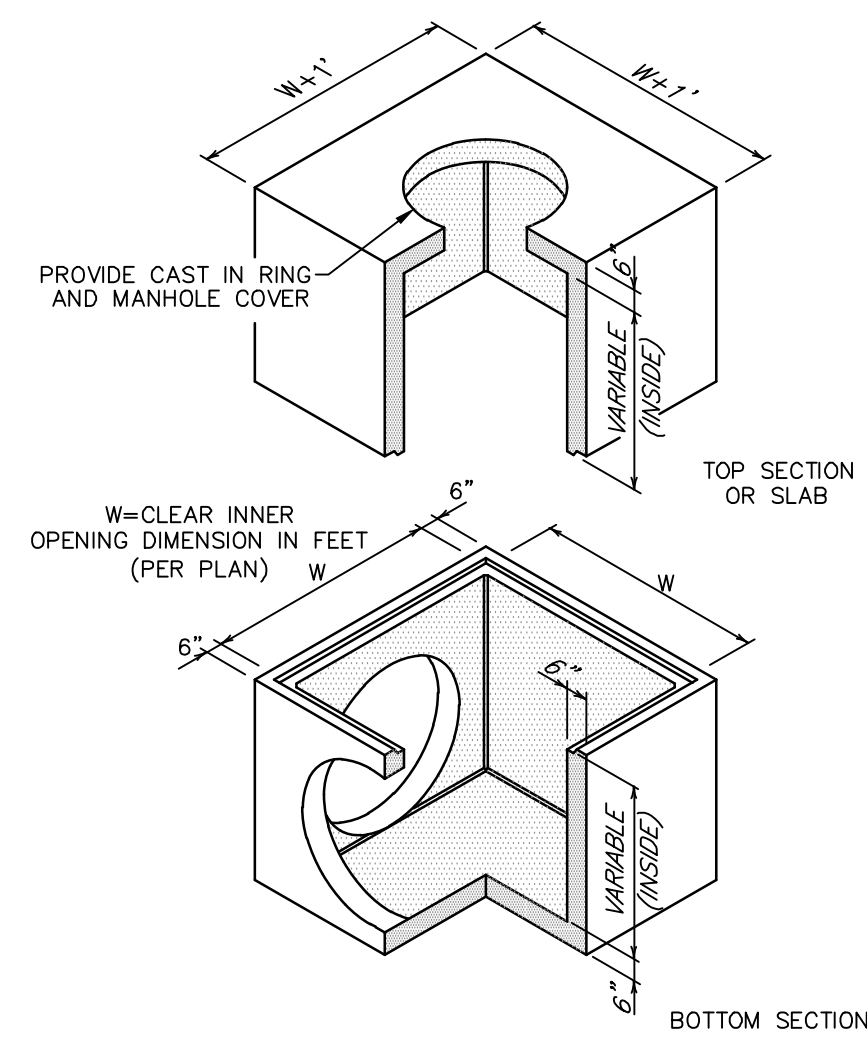
10 SIDEWALK DRAIN OVER BASEMENT (TYPE "A")
NOT-TO-SCALE



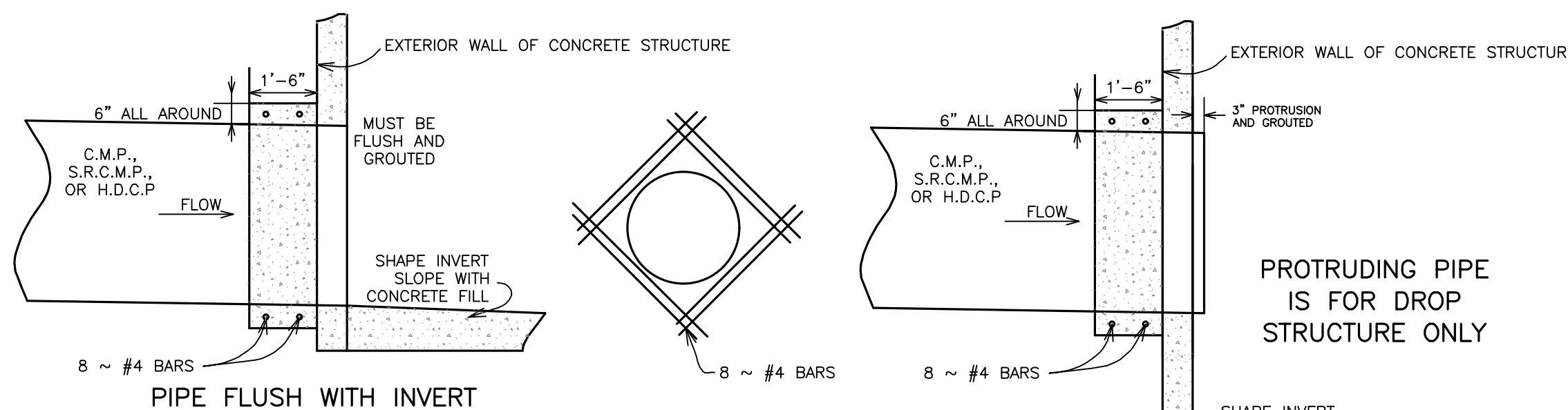
3 ROOF DRAIN CONNECTION DETAIL
NOT-TO-SCALE



7 JUNCTION BOX MANHOLE LID DETAIL
NOT-TO-SCALE



4 TYPICAL JUNCTION BOX
NOT-TO-SCALE



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 BULLET 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

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: 16 JANUARY 2006
CHECKED BY:			SHEET: 1 OF 1
SAM SHY, P.E.			

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518 E. Houston Street
San Antonio, TX 78205

Gensler

229 E. Houston St.
Suite 200
San Antonio, TX 78205
United States

Tel 210.222.8059



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Austin, TX 78701
Tel 1.800.998.4456
Fax 512.463.3001



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Acoustics Consultant
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Tel 713.782.2787

PAPE-DAWSON ENGINEERS

Civil Engineer
Pape-Dawson Engineers
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Tel 210.375.9000

OJB

Landscape Architect
OJB
711 Louisiana Street,
Suite 111
Houston, TX 77002
Tel 713.529.9919

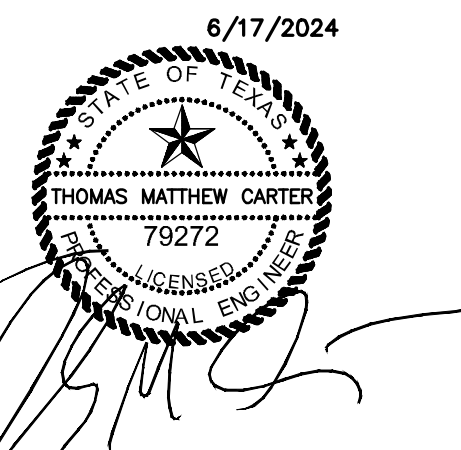
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2000 NW Loop 410
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311 South Street
San Antonio, TX 78215
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Fax 2-2819

PARRA

Civil Engineer
Parra & Co
110 E. Houston Street, Floor 7
San Antonio, TX 78205
Tel 210.819.4948



Seal / Signature

Date	Description
06/19/2024	ISSUE FOR CONSTRUCTION

Project Name

ALAMO SITE - AREA 2C -
PROMENADE

Project Number

11078-68

Description

DRAINAGE DETAILS

Scale

PAPE-DAWSON ENGINEERS

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TYPE F FIRM REGISTRATION #470 | TYPE L FIRM REGISTRATION #1022809

C4.10

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UTILITY GENERAL NOTES

- 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 COMPLIES WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATION. 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.
- ALL MATERIALS AND WORKMANSHIP INVOLVED WITH THE CONSTRUCTION OF THE WATER SERVICES), INTERIOR WATER LINES AND SANITARY SEWER LINES MUST BE IN STRICT ACCORDANCE WITH APPLICABLE PORTIONS OF THE UNIFORM PLUMBING CODE (CURRENT EDITION).
- THIS SHEET IS TO BE USED FOR UTILITY CONSTRUCTION ONLY.
- ALL EXISTING UTILITIES MAY NOT BE SHOWN ON THIS DRAWING. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES (VERTICALLY AND HORIZONTALLY).
- THE CONTRACTOR IS REQUIRED TO FURNISH AND INSTALL ALL NECESSARY FITTINGS AND APPURTENANCES REQUIRED TO COMPLETE THE INSTALLATION OF THE SYSTEMS AS SHOWN ON THE DRAWING.
- CONNECTIONS TO WATER MAINS AND SERVICES, METERS AND METER VAULTS SHALL BE IN STRICT ACCORDANCE WITH CODES AND REGULATIONS.
- SEE IRRIGATION PLAN FOR DETAILS CONCERNING IRRIGATION METER.
- ALL WATER LINES TO BE INSTALLED A MINIMUM OF 12" ABOVE SANITARY LINES (MEASURED FROM BOTTOM OF WATER TO TOP OF SEWER).
- ALL CLEANOUTS LOCATED IN VEHICULAR AREAS SHALL BE INSTALLED WITHIN A TRAFFIC BEARING BOX. THE BOX SHALL BE SET IN A CONCRETE SLAB EXTENDING 6" FROM THE BOX PERIMETER. SLAB TO BE 6" THICK WITH 3000 P.S.I. CONCRETE. SEE DETAIL SHEET.
- WHEN SEWER LINES ARE INSTALLED IN THE VICINITY OF WATER MAINS, SUCH INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH THE TCEQ REGULATION 317.13 APP.E OR ANY REVISION THERETO (NO SEPARATE PAY ITEM).
- TOPS OF CLEANOUTS SHALL BE SET TO MATCH FINISHED GRADE.
- CONTRACTOR TO INSTALL THRUST BRACING FOR ALL WATER PIPE BENDS/FITTINGS (3" AND GREATER DIAMETER)
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE MEP PLANS AND THE GRADING PLAN TO INSURE THAT UTILITY INSTALLATIONS DO NOT HAVE CONFLICTS WITH OTHER IMPROVEMENTS.
- CONTRACTOR IS RESPONSIBLE FOR BOTH VERTICAL AND HORIZONTAL CONTROL.
- THE CONTRACTOR SHALL DISPOSE OF ALL EXCESS MATERIAL OFF-SITE.
- ALL DEBRIS AND OTHER OBJECTIONABLE MATERIALS SHALL BE DISPOSED OF OFF-SITE BY CONTRACTOR.
- ALL SANITARY SEWERS ARE 6" PIPE WITH COMPRESSION JOINTS UNLESS OTHERWISE NOTED.
- ALL WORK WITHIN PUBLIC RIGHT-OF-WAYS SHALL BE IN CONFORMANCE WITH APPLICABLE CODES AND SPECIFICATIONS.
- ALL MATERIALS AND INSTALLATION ASSOCIATED WITH THE FIRE PROTECTION SYSTEM MUST COMPLY WITH REQUIREMENTS OF THE FIRE MARSHAL'S OFFICE AND N.F.P.A. #24. THIS INCLUDES REQUIRED INSPECTIONS. IF THE RESULTS OF ANY MEETINGS BETWEEN THE CONTRACTOR AND THE FIRE MARSHAL MAY AFFECT THE CONSTRUCTION, THE CONTRACTOR MUST NOTIFY OWNER AND THE ENGINEERS IMMEDIATELY (IN WRITING).
- ALL WORK INVOLVING FIRE MAIN TO BE PERFORMED BY A STATE LICENSED SPRINKLER CONTRACTOR.
- FIRE MAIN TO BE C900 P.V.C. AND LISTED BY UNDERWRITER LABORATORIES, INC. AS SUITABLE FOR FIRE PROTECTION USE.
- FIRE MAIN TO HAVE A MINIMUM 4' OF COVER AS MEASURED FROM TOP OF PIPE TO FINISHED PAVEMENT OR TOPSOIL.
- THE FIRE MAIN TO BE FLUSHED AND TESTED IN ACCORDANCE WITH N.F.P.A. PROVIDE THRUST BRACING AS REQUIRED.
- THE FIRE MAIN CONNECTION TO THE PUBLIC WATER MAIN IS PART OF THIS CONTRACT. COORDINATE WITH SAN ANTONIO WATER SYSTEMS.
- LOCATION OF EXISTING UTILITIES, AS SHOWN ON THESE PLANS, IS BASED ON A COMBINATION OF FIELD SURVEYING AND AVAILABLE UTILITY MAPS. CONTRACTOR TO DETERMINE VERTICAL AND HORIZONTAL LOCATIONS OF ALL UTILITIES (WHETHER SHOWN ON PLANS OR NOT) BY COORDINATING WITH THE RESPECTIVE UTILITY AGENCIES PRIOR TO CONSTRUCTION. THE FOLLOWING ARE NUMBERS OF THE RESPECTIVE AGENCIES:

SAN ANTONIO WATER SYSTEM (SEWER).....	(210)-233-2009
SAN ANTONIO WATER SYSTEM (WATER).....	(210)-233-2009
CPS ENERGY (GAS & ELECTRIC).....	(210)-978-3500
AT&T (TELEPHONE).....	(210)-820-6229
TIME WARNER CABLE (CABLE TELEVISION).....	(210)-675-4560
VALERO ENERGY CORP.....	(210)-246-2394
TEXAS-STATEWIDE ONE CALL DAMAGE PREVENTION SYSTEM FOR BURIED UTILITIES.....	1-800-DIG-TESS OR 811

IF ANY NUMBERS HAVE CHANGED OR ARE INCORRECT, THE CONTRACTOR IS STILL RESPONSIBLE FOR CONTACTING THE AGENCIES.

- ON ALL GRAVITY LINES, CONTRACTOR MUST START AT DOWNSTREAM END AND PROCEED UPSTREAM TAKING CARE TO EXPOSE ALL EXISTING UTILITIES AND STRUCTURES WHICH MAY CONFLICT WITH THE PROPOSED LINE. ANY OTHER SEQUENCE OF CONSTRUCTION WILL BE AT THE CONTRACTOR'S RISK.
- CONTRACTOR TO APPLY FOR WATER METER PERMITS AND COORDINATE PAYMENT OF APPLICABLE IMPACT FEES AT THE START OF CONSTRUCTION. CONTRACTOR TO INSTALL WATER METERS AND MAKE APPROPRIATE MAIN CONNECTIONS AS EARLY AS POSSIBLE IN THE WATER SYSTEM INSTALLATION PROCESS. REPORT CONFLICTS TO THE ENGINEER AND OWNER AS THESE ARE DISCOVERED SO THAT ADJUSTMENTS TO THE PLANS CAN BE MADE.
- CONTRACTOR TO PLAN UTILITY LINE INSTALLATIONS IN A MANNER TO AVOID CONFLICTS WITH PROPOSED GRAVITY LINES. CONTRACTOR SHALL EXPOSE ALL EXISTING UTILITIES CROSSING PROPOSED GRAVITY LINES AND INSURE THERE WILL BE NO CONFLICTS PRIOR TO BEGINNING CONSTRUCTION. ADDITIONALLY, CONTRACTOR TO PLAN UTILITY LINE INSTALLATIONS IN A MANNER TO AVOID CONFLICTS WITH PROPOSED GRAVITY LINES. ON ALL GRAVITY LINES, CONTRACTOR MUST START AT DOWNSTREAM END AND PROCEED UPSTREAM TAKING CARE TO EXPOSE ALL EXISTING UTILITIES AND STRUCTURES WHICH MAY CONFLICT WITH THE PROPOSED LINE. ANY OTHER SEQUENCE OF CONSTRUCTION WILL BE AT THE CONTRACTOR'S RISK.

SAWS GENERAL CONSTRUCTION NOTES GENERAL SECTION

- ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THE SCOPE OF THIS CONTRACT SHALL BE APPROVED BY THE SAN ANTONIO WATER (SAWS) AND COMPLY WITH THE PLANS, SPECIFICATIONS, GENERAL CONDITIONS AND WITH THE FOLLOWING AS APPLICABLE:
 - CURRENT TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) "DESIGN CRITERIA FOR DOMESTIC WASTEWATER SYSTEM", TEXAS ADMINISTRATIVE CODE (TAC) TITLE 30 PART 1 CHAPTER 217 AND "PUBLIC DRINKING WATER", TAC TITLE 30 PART 1 CHAPTER 290.
 - CURRENT TXDOT "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, STREETS AND DRAINAGE"
 - CURRENT "SAN ANTONIO WATER SYSTEM STANDARD SPECIFICATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION"
 - CURRENT CITY OF SAN ANTONIO "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION"
 - CURRENT CITY OF SAN ANTONIO "UTILITY EXCAVATION CRITERIA MANUAL"

(UECM).

- THE CONTRACTOR SHALL NOT PROCEED WITH ANY PIPE INSTALLATION WORK UNTIL THEY OBTAIN A COPY OF THE APPROVED COUNTER PERMIT OR GENERAL CONSTRUCTION PERMIT (GCP) FROM THE CONSULTANT AND HAS BEEN NOTIFIED BY SAWS CONSTRUCTION INSPECTION DIVISION TO PROCEED WITH THE WORK AND HAS ARRANGED A MEETING WITH THE INSPECTOR AND CONSULTANT FOR THE WORK REQUIREMENTS. WORK COMPLETED BY THE CONTRACTOR WITHOUT AN APPROVED COUNTER PERMIT AND/OR A GCP WILL BE SUBJECT TO REMOVAL AND REPLACEMENT AT THE EXPENSE OF THE CONTRACTORS AND/OR THE DEVELOPER.
- THE CONTRACTOR SHALL OBTAIN THE SAWS STANDARD DETAILS FROM THE SAWS WEBSITE. [HTTP://WWW.SAWS.ORG/BUSINESS_CENTER/SPECS](http://www.saws.org/business_centers/specs). UNLESS OTHERWISE NOTED WITHIN THE DESIGN PLANS.
- THE CONTRACTOR IS TO MAKE ARRANGEMENTS WITH THE SAWS CONSTRUCTION INSPECTION DIVISION AT (210) 233-2973, ON NOTIFICATION PROCEDURES THAT WILL BE USED TO NOTIFY AFFECTED HOME RESIDENTS AND/OR PROPERTY OWNERS 48 HOURS PRIOR TO BEGINNING ANY WORK.
- LOCATION AND DEPTH OF EXISTING UTILITIES AND SERVICE LATERALS SHOWN ON THE PLANS ARE UNDERSTOOD TO BE APPROXIMATE. ACTUAL LOCATIONS AND DEPTHS MUST BE FIELD VERIFIED BY THE CONTRACTOR AT LEAST 1 WEEK PRIOR TO CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE UTILITY SERVICE LINES AS REQUIRED FOR CONSTRUCTION AND TO PROTECT THEM DURING CONSTRUCTION AT NO COST TO SAWS.
- THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES AT LEAST 1-2 WEEKS PRIOR TO CONSTRUCTION WHETHER SHOWN ON PLANS OR NOT. PLEASE ALLOW UP TO 7 BUSINESS DAYS FOR LOCATES REQUESTING PIPE LOCATION MARKERS ON SAWS FACILITIES. THE FOLLOWING CONTACT INFORMATION ARE SUPPLIED FOR VERIFICATION PURPOSES:
 - SAWS UTILITY LOCATES: [HTTP://WWW.SAWS.ORG/SERVICE/LOCATES](http://www.saws.org/service/locates)
 - COSA DRAINAGE (210) 207-6724 OR (210) 207-6026
 - COSA TRAFFIC SIGNAL OPERATIONS (210) 206-9480
 - COSA TRAFFIC SIGNAL DAMAGES (210) 207-3951
 - TEXAS STATE WIDE ONE CALL LOCATOR 1-800-545-6005 OR 811
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING EXISTING FENCES, CURBS, STRUTS, DRIVEWAYS, SIDEWALKS, LANDSCAPING AND STRUCTURES TO ITS ORIGINAL OR BETTER CONDITION IF DAMAGES ARE MADE AS A RESULT OF THE PROJECT'S CONSTRUCTION.
- ALL WORK IN TEXAS DEPARTMENT OF TRANSPORTATION (TXDOT) AND/OR BEXAR COUNTY RIGHT-OF-WAY SHALL BE DONE IN ACCORDANCE WITH RESPECTIVE CONSTRUCTION SPECIFICATIONS AND PERMIT REQUIREMENTS.
- THE CONTRACTOR SHALL COMPLY WITH CITY OF SAN ANTONIO OR OTHER GOVERNING MUNICIPALITY'S TREE ORDINANCES WHEN EXCAVATING NEAR TREES.
- THE CONTRACTOR SHALL NOT PLACE ANY WASTE MATERIALS IN THE 100-YEAR FLOOD PLAIN WITHOUT FIRST OBTAINING AN APPROVED FLOOD PLAIN PERMIT.
- HOLIDAY WORK: CONTRACTORS WILL NOT BE ALLOWED TO PERFORM SAWS WORK ON SAWS RECOGNIZED HOLIDAYS. REQUEST SHOULD BE SENT TO CONSTWORKREQ@SAWS.ORG.
- WEEKEND WORK: CONTRACTORS ARE REQUIRED TO NOTIFY THE SAWS INSPECTION CONSTRUCTION DEPARTMENT 48 HOURS IN ADVANCE TO REQUEST WEEKEND WORK. REQUEST SHOULD BE SENT TO CONSTWORKREQ@SAWS.ORG.

ANY AND ALL SAWS UTILITY WORK INSTALLED WITHOUT HOLIDAY/WEEKEND APPROVAL WILL BE SUBJECT TO BE UNCOVERED FOR PROPER INSPECTION.

- COMPACTION NOTE (ITEM 804): THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING THE COMPACTION REQUIREMENTS ON ALL TRENCH BACKFILL AND FOR PAYING FOR THE TESTS PERFORMED BY A THIRD PARTY. COMPACTION TESTS WILL BE DONE AT ONE LOCATION POINT RANDOMLY SELECTED, OR AS INDICATED BY THE SAWS INSPECTOR AND/OR THE TEST ADMINISTRATOR. PER EACH 12-INCH LOOSE LIFT PER 400 LINEAR FEET AT A MINIMUM. THIS PROJECT WILL NOT BE ACCEPTED AND FINALIZED BY SAWS WITHOUT THIS REQUIREMENT BEING MET AND VERIFIED BY PROVIDING ALL NECESSARY DOCUMENTED TEST RESULTS.

- A COPY OF ALL TESTING REPORTS SHALL BE FORWARDED TO SAWS CONSTRUCTION INSPECTION DIVISION.

WATER SECTION

- PRIOR TO TIE-INS, ANY SHUTDOWNS OF EXISTING MAINS OF ANY SIZE MUST BE COORDINATED WITH THE SAWS CONSTRUCTION INSPECTION DIVISION AT LEAST ONE WEEK IN ADVANCE OF THE SHUTDOWN. THE CONTRACTOR MUST ALSO PROVIDE A SEQUENCE OF WORK AS RELATED TO THE TIE-INS. THIS IS AT NO ADDITIONAL COST TO SAWS OR THE PROJECT AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SEQUENCE THE WORK ACCORDINGLY.
 - FOR WATER MAINS 12" OR HIGHER: SAWS EMERGENCY OPERATIONS CENTER (210) 233-2014
- ASBESTOS CEMENT (AC) PIPE, ALSO KNOWN AS TRANSITE PIPE WHICH IS KNOWN TO CONTAIN ASBESTOS-CONTAINING MATERIAL (ACM), MAY BE LOCATED WITHIN THE PROJECT LIMITS. SPECIAL WASTE MANAGEMENT PROCEDURES AND HEALTH AND SAFETY REQUIREMENTS WILL BE APPLICABLE WHEN REMOVAL AND/OR DISTURBANCE OF THIS PIPE OCCURS. SUCH WORK IS TO BE MADE UNDER SPECIAL SPECIFICATION ITEM NO. 3000, "SPECIAL SPECIFICATION FOR HANDLING ASBESTOS CEMENT PIPE".
- VALVE REMOVAL: WHERE THE CONTRACTOR IS TO ABANDON A WATER MAIN, THE CONTROL VALVE LOCATED ON THE ABANDONING BRANCH WILL BE REMOVED AND REPLACED WITH A CAP/PLUG. (NSPI)
- SUITABLE ANCHORAGE/THRUST BLOCKING OR JOINT RESTRAINT SHALL BE PROVIDED AT ALL OF THE FOLLOWING MAIN LOCATIONS: DEAD ENDS, PLUGS, CAPS, TEES, CROSSES, VALVES, AND BENDS, IN ACCORDANCE WITH THE STANDARD DRAWINGS DD-839 SERIES AND ITEM NO. 839. IN THE SAWS STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- ALL VALVES SHALL READ "OPEN RIGHT".
- PRVs REQUIRED: CONTRACTOR TO VERIFY THAT NO PORTION OF THE TRACT IS BELOW GROUND ELEVATION OF 643 FEET WHERE THE STATIC PRESSURE WILL NORMALLY EXCEED 80 PSI AT ALL SUCH LOCATIONS WHERE THE GROUND LEVEL IS BELOW 643 FEET. THE DEVELOPER OR BUILDER SHALL INSTALL AT EACH LOT, ON THE CUSTOMER'S SIDE OF THE METER, AN APPROVED TYPE PRESSURE REGULATOR IN CONFORMANCE WITH THE PLUMBING CODE OF THE CITY OF SAN ANTONIO. NO DUAL SERVICES ALLOWED FOR ANY LOT(S) IF:
 - PRV IS/ARE REQUIRED FOR SUCH LOT(S), ONLY SINGLE SERVICE CONNECTIONS SHALL BE ALLOWED.
 - *NOTE: A PRESSURE REGULATOR IS ALSO KNOWN AS A PRESSURE REDUCING VALVE (PRV).
- PIPE DISINFECTION WITH DRY HTH FOR PROJECTS LESS THAN 800 LINEAR FEET. (ITEM NO. 847.3): MAINS SHALL BE DISINFECTED WITH DRY HTH WHERE SHOWN IN THE CONTRACT DOCUMENTS OR AS DIRECTED BY THE INSPECTOR, AND SHALL NOT EXCEED A TOTAL LENGTH OF 800 FEET. THIS METHOD OF DISINFECTION WILL ALSO BE FOLLOWED FOR MAIN REPAIRS. THE CONTRACTOR SHALL UTILIZE ALL APPROPRIATE SAFETY MEASURE TO PROTECT HIS PERSONNEL DURING DISINFECTION OPERATIONS.
- BACKFLOW PREVENTION DEVICES:
 - ALL IRRIGATION SERVICES WITHIN RESIDENTIAL AREAS ARE REQUIRED TO HAVE BACKFLOW PREVENTION DEVICES.
 - ALL COMMERCIAL BACKFLOW PREVENTION DEVICES MUST BE APPROVED BY SAWS PRIOR TO INSTALLATION.
- FINAL CONNECTION TO THE EXISTING WATER MAIN SHALL NOT BE MADE UNTIL THE WATER MAIN HAS BEEN PRESSURE TESTED, CHLORINATED, AND SAWS HAS RELEASED

THE MAIN FOR TIE-IN AND USE.

- DIVISION VALVES: DIVISION VALVES SHOWN ON PLANS OR NOT SHOWN ON PLANS BUT FOUND IN THE FIELD SHALL ONLY BE OPERATED BY SAWS DISTRIBUTION AND COLLECTION STAFF AND ONLY WITH PRIOR WRITTEN APPROVAL OF THE SAWS DIRECTOR OF PRODUCTION AND OPERATIONS AND PROPER COORDINATION WITH ALL SAWS DEPARTMENTS. CONTRACTOR SHALL PROVIDE WRITTEN NOTIFICATION TO THE INSPECTOR A MINIMUM OF TWO WEEKS IN ADVANCE TO START THE COORDINATION PROCESS AND WILL BE INFORMED BY THE INSPECTOR WHEN THE DIVISION VALVE WILL BE OPERATED BY THE SAWS DISTRIBUTION AND COLLECTION STAFF. THE DIVISION VALVE CAN ONLY BE OPERATED BY SAWS DISTRIBUTION AND COLLECTION STAFF MEMBER NOT THE INSPECTOR OR THE CONTRACTOR. OPERATION OF A DIVISION VALVE WITHOUT THE EXPRESS PRIOR WRITTEN APPROVAL OF THE SAWS DISTRIBUTION AND COLLECTION STAFF WILL CONSTITUTE A MATERIAL BREACH OF ANY WRITTEN SAWS CONTRACT OR PERMIT IN ADDITION TO SUBJECTING THE CONTRACTOR TO LIABILITY FOR ANY AND ALL FINES, FEES, OR OTHER DAMAGES, DIRECT OR CONSEQUENTIAL, THAT MAY ARISE FROM OR BE CAUSED BY THE OPERATION OF THE VALVE WITHOUT PRIOR WRITTEN PERMISSION. PLEASE BE INFORMED THAT THE APPROVAL OF THE OPERATION OR OPENING OR CLOSING OF A DIVISION VALVE CAN TAKE SEVERAL WEEKS FOR APPROVAL. DIVISION VALVES WILL ALSO HAVE A VALVE LID LABELED DIVISION VALVE AND A LOCKING MECHANISM INSTALLED WITH A KEY. THE LOCK AND KEY MECHANISM WILL BE PAID FOR BY THE CONTRACTOR BUT WILL BE INSTALLED BY SAWS DISTRIBUTION AND COLLECTION STAFF.

SEWER SECTION

- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT NO SANITARY SEWER OVERFLOW (SSO) OCCURS AS A RESULT OF THEIR WORK. ALL CONTRACTOR PERSONNEL RESPONSIBLE FOR SSO PREVENTION AND CONTROL SHALL BE TRAINED ON PROPER RESPONSE. SHOULD AN SSO OCCUR, THE CONTRACTOR SHALL:
 - IDENTIFY THE SOURCE OF THE SSO AND NOTIFY SAWS EMERGENCY OPERATIONS CENTER (EOC) IMMEDIATELY AT (210) 233-2014. PROVIDE THE ADDRESS OF THE SPILL AND AN ESTIMATED VOLUME OR FLOW.
 - ATTEMPT TO ELIMINATE THE SOURCE OF THE SSO.
 - CONTAIN SEWAGE FROM THE SSO TO THE EXTENT OF PREVENTING A POSSIBLE CONTAMINATION OF WATERWAYS.
 - CLEAN UP SPILL SITE (RETURN CONTAINED SEWAGE TO THE COLLECTION SYSTEM IF POSSIBLE) AND PROPERLY DISPOSE OF CONTAMINATED SOLID MATERIALS.
 - CLEAN THE AFFECTED SEWER MAINS AND REMOVE ANY DEBRIS.
 - MEET ALL POST-SSO REQUIREMENTS AS PER THE EPA CONSENT DECREE, INCLUDING LINE CLEANING AND TELEVISIONING THE AFFECTED SEWER MAINS (AT SAWS DIRECTION) WITHIN 24 HOURS.

SHOULD THE CONTRACTOR FAIL TO ADDRESS AN SSO IMMEDIATELY AND TO SAWS SATISFACTION, THEY WILL BE RESPONSIBLE FOR ALL COSTS INCURRED BY SAWS, INCLUDING ANY FINES FROM EPA, TCEQ AND/OR ANY OTHER FEDERAL, STATE OR LOCAL AGENCIES.

NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE FOR THIS WORK. ALL WORK SHALL BE DONE ACCORDING TO GUIDELINES SET BY THE TCEQ AND SAWS.

- IF BYPASS PUMPING IS REQUIRED, THE CONTRACTOR SHALL PERFORM SUCH WORK IN ACCORDANCE WITH SAWS STANDARD SPECIFICATION FOR WATER AND SANITARY SEWER CONSTRUCTION, ITEM NO. 864, "BYPASS PUMPING".
- PRIOR TO TIE-INS, ANY SHUTDOWNS OF EXISTING FORCE MAINS OF ANY SIZE MUST BE COORDINATED WITH THE SAWS CONSTRUCTION INSPECTION DIVISION AT (210) 233-2973 AT LEAST ONE WEEK IN ADVANCE OF THE SHUTDOWN. THE CONTRACTOR MUST ALSO PROVIDE A SEQUENCE OF WORK AS RELATED TO THE TIE-INS. THIS IS AT NO ADDITIONAL COST TO SAWS OR THE PROJECT AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SEQUENCE THE WORK ACCORDINGLY.
- SEWER PIPE WHERE WATER LINE CROSSES SHALL BE 160 PSI AND MEET THE REQUIREMENTS OF ASTM D2241, TAC 217.53 AND TCEQ 290.44(E)(4)(B). CONTRACTOR SHALL CENTER A 20" JOINT OF 160 PSI PRESSURE RATED PVC AT THE PROPOSED WATER CROSSING.
- ELEVATIONS POSTED FOR TOP OF MANHOLES ARE FOR REFERENCE ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE ALLOWANCES AND ADJUSTMENTS FOR TOP OF MANHOLES TO MATCH THE FINISHED GRADE OF THE PROJECT'S IMPROVEMENTS. (NSPI)
- SPILLS, OVERFLOWS, OR DISCHARGES OF WASTEWATER: ALL SPILLS, OVERFLOWS, OR DISCHARGES OF WASTEWATER, RECYCLED WATER, PETROLEUM PRODUCTS, OR CHEMICALS MUST BE REPORTED IMMEDIATELY TO THE SAWS INSPECTOR ASSIGNED TO THE COUNTER PERMIT OR GENERAL CONSTRUCTION PERMIT (GCP). THIS REQUIREMENT APPLIES TO EVERY SPILL, OVERFLOW, OR DISCHARGE REGARDLESS OF SIZE.
- MANHOLE AND ALL PIPE TESTING (INCLUDING THE TV INSPECTION) MUST BE PERFORMED AND PASSED PRIOR TO FINAL FIELD ACCEPTANCE BY SAWS CONSTRUCTION INSPECTION DIVISION. AS PER THE SAWS SPECIFICATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION.
- ALL PVC PIPE OVER 14 FEET OF COVER SHALL BE EXTRA STRENGTH WITH MINIMUM PIPE STIFFNESS OF 115 PSI.

ADDITIONAL WATER NOTES

- LEAD FREE FIRE HYDRANTS: "SAWS REQUIRES GCPs AND COUNTER PERMITS TO USE LEAD FREE (< 0.25% LEAD) FREE FIRE HYDRANT."
- THE WATER LINES WILL BE SET FROM THE STREET HUBS BEFORE THIS CONTRACT BEGINS AND STREET CUT STREETS WILL BE SUPPLIED TO THE CONTRACTOR. THERE SHOULD BE NO ADDITIONAL STAKES REQUIRED, AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSPECT THE SITE AND VERIFY THAT ALL STAKES REQUIRED FOR THIS WORK ARE IN PLACE AT THE TIME THE CONSTRUCTION BEGINS. IF ANY STAKES ARE MISSING, THE ENGINEER SHOULD BE NOTIFIED IMMEDIATELY. AFTER CONSTRUCTION BEGINS, ALL CONSTRUCTION STAKES, MARKS, ETC., SHALL BE CAREFULLY PRESERVED BY THE CONTRACTOR, AND IN CASE OF DESTRUCTION OR REMOVAL BY THE CONTRACTOR, HIS EMPLOYEE OR ANY OTHER MEANS, SUCH STAKES, MARKS, ETC., SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL FURNISH THE ENGINEER WITH ALL THE FINAL MEASUREMENTS, TAPS AND LENGTH OF SERVICE CONNECTIONS.
- FINAL CONNECTION TO THE EXISTING WATER MAIN SHALL NOT BE MADE UNTIL WATER MAIN HAS BEEN PRESSURE TESTED, CHLORINATED AND THE SAWS RELEASES THE MAIN FOR TIE-IN AND USE.
- UNIT PRICE BID FOR "STANDARD FIRE HYDRANT ASSEMBLY" SHALL INCLUDE FIRE HYDRANT, 6-INCH GATE VALVE AND 6-INCH VALVE BOX COMPLETE, ANCHOR BEND, AND ALL 6-INCH DI PIPE REQUIRED (DI PIPE REQUIRED SHALL INCLUDE ALL PIPE FROM TEE ON THE MAIN LINE TO THE FIRE HYDRANT).
- FIRE HYDRANTS SHALL BE PLACED NO FURTHER THAN 7" AND NO CLOSER THAN 1' FROM FACE OF CURB.

MISCELLANEOUS NOTES

- ALL FENCING, SIGNS AND ANY OTHER IMPROVEMENTS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED TO ITS ORIGINAL CONDITION OR BETTER AT NO ADDITIONAL COST TO OWNER.
- ALL PIPE FITTINGS AND PIPE RESTRAINTS SHALL BE CONSIDERED SUBSIDIARY TO THE WATER MAIN PIPE UNIT PRICE.
- CONTRACTOR SHALL REPAIR OR REPLACE ANY ADJACENT CURB, PAVEMENT, PAVEMENT MARKINGS, FENCES, ETC. DAMAGED BY CONSTRUCTION TO THE PRE-EXISTING CONDITIONS, AT CONTRACTOR'S EXPENSE.

CONTRACTOR NOTES

- ALL SHOP DRAWINGS AND SUBMITTALS REQUIRED FOR THIS PROJECT SHALL BE IN

ACCORDANCE WITH THE PROJECT SPECIFICATIONS.

- ALL AREAS WITHIN THE RIGHT-OF-WAY AND THE WATER LINE EASEMENT THAT ARE NECESSARY FOR INSTALLATION OF THE PROPOSED WATER LINE ARE TO BE CLEARED EXCEPT AS OTHERWISE NOTED ON THE PLANS AND/OR AS DIRECTED IN THE CONTRACT DOCUMENTS SPECIAL CONSTRUCTION CONDITIONS. CONTRACTOR SHALL REMOVE TREES WITHIN THE RIGHT-OF-WAY AND WATER LINE EASEMENT ONLY AS NECESSARY, FOR INSTALLATION OF THE PROPOSED WATER LINE. NO HERITAGE TREES SHALL BE REMOVED. OTHERWISE ALL TREES WITHIN 15- FEET OF THE WORK SHALL BE PROTECTED, SEE TREE PROTECTION NOTES AND DETAILS.
- CONTRACTOR SHALL NOTIFY AND COORDINATE WITH LANDOWNER(S) PRIOR TO ENTERING ANY PROPERTY OUTSIDE THE COUNTY RIGHT-OF-WAY.
- CONTRACTOR SHALL REMOVE AND REPLACE, TO AS GOOD OR BETTER CONDITION THAN EXISTING, ANY CROSS FENCING LOCATED WITHIN THE WATER LINE EASEMENT AS NECESSARY FOR INSTALLATION OF THE PROPOSED WATER MAIN. N.S.P.I
- VALVE BOXES SHALL BE INSTALLED SO THAT THE VALVE OPERATING NUT IS CENTERED IN THE BOX. VALVES INSTALLED ON SLOPING TERRAIN SHALL HAVE THE VALVE BOX INSTALLED PERPENDICULAR TO THE VALVE WITH THE OPERATING NUT CENTERED IN THE BOX IN ORDER TO ALLOW THE VALVE WRENCH EASE ACCESS TO THE VALVE OPERATING NUT.
- CONTRACTOR SHALL NOT OPERATE ANY EXISTING WATER VALVES WITHIN THE SAWS SYSTEM WITHOUT FIRST NOTIFYING & OBTAINING ASSISTANCE FROM THE SAWS STAFF.
- CONTRACTOR SHALL REFER TO THE CONTRACT DOCUMENTS SPECIAL CONSTRUCTION CONDITIONS FOR ADDITIONAL INFORMATION REGARDING WORK ASSOCIATED WITH THIS PROJECT.
- ALL PVC PIPING SHALL BE C900 CLASS 235, DR 18. ALL PIPE, FITTINGS AND VALVES SHALL MEET SAWS STANDARDS.
- ALL VALVES IN THE POTABLE WATER SYSTEM MUST OPEN "RIGHT (CLOCKWISE);" FOR RECYCLED WATER AND PUMP STATIONS, VALVES WILL OPEN "LEFT (COUNTER-CLOCKWISE)".
- ALL FIRE HYDRANTS SHALL BE PAINTED APPROPRIATE SAWS COLORS.

UNDERGROUND TELEPHONE/ COMMUNICATION LINES NOTE

THE EXISTING AND LOCATION OF UNDERGROUND CABLE AS SHOWN ON THESE PLANS HAS BEEN TAKEN FROM THE BEST INFORMATION AVAILABLE AND ARE NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. CONTRACTOR SHALL CONTACT THE TELEPHONE/COMMUNICATION COMPANY CABLE LOCATOR 48 HOURS PRIOR TO EXCAVATION AT 1-800-545-6005. CONTRACTOR SHALL PROTECT AND (AS NECESSARY) INSTALL SHORING FOR TELEPHONE COMPANY FACILITIES DURING 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 COMPLIES WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATION. 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 UNDERGROUND UTILITIES

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 DUCT BANKS, 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 UTILITIES 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.

EXISTING IMPROVEMENT

ALL EXISTING IMPROVEMENTS WITHIN THE PROJECT AREA, WHICH ARE NOT COVERED UNDER THE UNIT PRICE BID PROPOSAL, SHALL BE PROTECTED OR RENVED AND REPLACE TO EXISTING CONDITION OR BETTER AT NO ADDITIONAL COST TO THE OWNER.

TREE PROTECTION NOTES

REFERENCE LANDSCAPE PLANS FOR REQUIREMENTS

NOTE:
REFERENCE SHEET C0.01 FOR GENERAL CONSTRUCTION NOTES



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Civil Engineer
Parra & Co
110 E. Houston Street, Floor 7
San Antonio, TX 78205
Tel 210.819.4848



△	Date	Description
	06/19/2024	ISSUE FOR CONSTRUCTION

Project Name

ALAMO SITE - AREA 2C -
PROMENADE

Project Number

122.0076.000

Description

UTILITY GENERAL NOTES

Scale



Civil Engineer
110 E Houston Street Floor 7
San Antonio, TX 78205
Tel 210.819.4848

C5.00

HELPFUL CPS ENERGY TELEPHONE NUMBERS:

- TO OBTAIN LOCATION OF UNDERGROUND GAS AND ELECTRIC LINES:
BEFORE DIGGING, CALL THE TEXAS ONE CALL CENTER BY DIALING 811. A 48-HOUR (EXCLUDING WEEKENDS AND HOLIDAYS) NOTICE IS REQUIRED PRIOR TO EXCAVATION.
- TO REPORT DAMAGE TO UNDERGROUND CPS ENERGY GAS AND ELECTRIC LINES:
TELEPHONE: (210) 353-HELP (4357)
TOLL FREE: (800) 870-1006
TDD FOR HEARING-IMPAIRED CUSTOMERS (210) 353-2224
- TO REPORT CPS ENERGY GAS OR ELECTRIC TROUBLE (ALL HOURS):
TELEPHONE: (210) 353-HELP (4357)
TOLL FREE: (800) 870-1006
TDD FOR HEARING-IMPAIRED CUSTOMERS (210) 353-2224
- TO APPLY FOR A NEW GAS OR ELECTRIC METER AND SERVICE:
TELEPHONE: (210) 353-4050
TDD FOR HEARING-IMPAIRED CUSTOMERS (210) 353-2224
WEBSITE:
[HTTPS://WWW.CPSENERGY.COM/EN/DEVELOPERS-BUILDERS/CUSTOMER-ENGINEERING.HTML](https://www.cpsenergy.com/en/developers-builders/customer-engineering.html)
- FOR ASSISTANCE WITH AN EXISTING GAS OR ELECTRIC METER AND SERVICE:
TELEPHONE: (210) 353-2222
TDD FOR HEARING-IMPAIRED CUSTOMERS (210) 353-2224
NOTE: A COPY OF THIS MANUAL IS AVAILABLE ONLINE AT WWW.CPSENERGY.COM

ONE CALL SYSTEM (UNDERGROUND UTILITIES LOCATOR SERVICE)

THE DAMAGE PREVENTION BILL FOR TEXAS (HOUSE BILL 2295) TOOK EFFECT OCTOBER 1998, AND IS KNOWN AS UTILITIES CODE TITLE 5, CHAPTER 251. THIS LAW REQUIRES MOST FACILITY OWNERS TO JOIN A NOTIFICATION (OR ONE CALL) CENTER AND REQUIRES EXCAVATORS TO CALL 48 HOURS PRIOR TO DIGGING. IT ALSO REQUIRES ANY NOTIFICATION OR ONE CALL CENTER OPERATING IN TEXAS TO SHARE MESSAGES THEY RECEIVE BETWEEN THE NOTIFICATION CENTERS. THIS PROVISION IS TO ENSURE THAT EXCAVATORS NEED ONLY MAKE ONE CALL TO NOTIFY MOST BURIED FACILITY OWNERS. THE DIG SAFELY PROGRAM WAS INTRODUCED NATIONWIDE IN JUNE 1999. ITS PURPOSE IS TO HELP PROTECT UNDERGROUND UTILITY LINES FROM DAMAGE BY EXCAVATORS, AND PROTECT EXCAVATORS FROM THE EFFECTS OF DAMAGE TO UNDERGROUND LINES. THE DIG SAFELY PROGRAM STRESSES THAT SAFE EXCAVATION IS A FOUR-STEP PROCESS:

- CALL BEFORE YOU DIG. THE ONE CALL CENTER IS AN IMPORTANT PART OF THE DAMAGE PREVENTION PROCESS. THE ONE CALL CENTER OPERATES A TOLL FREE NUMBER 24 HOURS PER DAY FOR EXCAVATORS TO USE AND CAN BE REACHED BY CALLING 811. CPS DOES NOT PROVIDE DIRECT ACCESS TO CPS' UTILITY LOCATING SERVICE. ALL NATURAL GAS OR UNDERGROUND ELECTRIC FACILITY LOCATING IS COORDINATED THROUGH "ONE CALL."
- WAIT THE REQUIRED AMOUNT OF TIME. TEXAS LAW REQUIRES AT LEAST TWO WORKING DAYS NOTICE BEFORE BEGINNING EXCAVATION. THIS MEANS A HOMEOWNER WHO IS PUTTING IN A FENCE ON SATURDAY MUST CALL NO LATER THAN WEDNESDAY.
- RESPECT THE MARKS. IF A POTENTIAL PROBLEM EXISTS, THE UTILITIES OR THEIR AGENTS WILL MARK THE APPROXIMATE LOCATION OF BURIED FACILITIES, USING PAINT, FLAGS, STAKES, OR A COMBINATION. DURING THE PROJECT, IT IS THE EXCAVATOR'S RESPONSIBILITY TO MAKE SURE THE UTILITY MARKS REMAIN VISIBLE. IF THEY ARE OBLITERATED, THE EXCAVATOR MUST CALL FOR A RE-MARK.
- DIG SAFELY. ONCE THE WORK BEGINS, IT IS UP TO THE EXCAVATOR TO USE SAFE, ACCEPTED DIGGING PRACTICES.

REGARDLESS OF HOW CAREFUL THE PREPARATION HAS BEEN, THE EXCAVATION WORK MUST BE PERFORMED IN A PRUDENT AND CAREFUL MANNER. THE DIG SAFELY CAMPAIGN IS THE RESULT OF COOPERATION BETWEEN THE NATIONAL TRANSPORTATION SAFETY BOARD, OFFICE OF PRELINE SAFETY, AND REPRESENTATIVES FROM THE INDUSTRIES THAT OWN AND OPERATE UNDERGROUND FACILITIES. THESE INDUSTRIES INCLUDE COMMUNICATIONS (LOCAL, LONG DISTANCE, AND CATV), ELECTRIC POWER AND GAS UTILITIES, PIPELINES, MUNICIPALITIES, AND LOCAL, STATE, AND FEDERAL REGULATORY AGENCIES.

EXTERNAL RESOURCES:

- TITLE 49, CODE OF FEDERAL REGULATIONS (CFR) (MOST RECENT & ACCEPTED REVISION);
- TITLE 16, TEXAS ADMINISTRATIVE CODE (TAC) (MOST RECENT & ACCEPTED REVISION);
- NATIONAL FUEL GAS CODE (NFPA 54 OR ANSI Z223.1, MOST RECENT & ACCEPTED REVISION; SEE NATIONAL FUEL GAS CODE AT [HTTP://WWW.NFPA.ORG](http://www.nfpa.org));
- INTERNATIONAL FUEL GAS CODE (IFGC), LATEST EDITION (CURRENTLY THE CITY OF SAN ANTONIO AND AREA MUNICIPALITIES HAVE INCORPORATED THIS RESOURCE FOR CODE REQUIREMENTS).

TO VERIFY AVAILABILITY AND PLAN NATURAL GAS JOBS:

- FOR NEW CONSTRUCTION, MAXIMUM CONSUMPTION < 800 CFH, CALL (210) 353- 4050 OR VISIT THE CPS ENERGY CONSTRUCTION AND RENOVATION WEBSITE AT [HTTPS://CPSENERGY.COM/EN/CONSTRUCTION-AND-RENOVATION/STEP-BY-STEP-PROCESS.HTML](https://cpsenergy.com/en/construction-and-renovation/step-by-step-process.html)
- FOR NEW CONSTRUCTION, MAXIMUM CONSUMPTION > 800 CFH CALL (210) 353- 4050 OR VISIT THE CPS ENERGY CONSTRUCTION AND RENOVATION WEBSITE AT [HTTPS://CPSENERGY.COM/EN/CONSTRUCTION-AND-RENOVATION/STEP-BY-STEP-PROCESS.HTML](https://cpsenergy.com/en/construction-and-renovation/step-by-step-process.html)
- FOR REMODELING, INCREASING OR DECREASING GAS PRESSURE, ADDING OR REDUCING LOAD, MOVING OR REMOVING A SERVICE OR INITIATING OR TURNING OFF GAS FLOW, OR ABANDONING A SERVICE CALL CPS ENERGY AT (210) 353-2222 AFTER RECEIVING ALL REQUIRED RELEASES FROM ANY AUTHORITY HAVING JURISDICTION.
- CPS ENERGY REQUIRES THE CUSTOMER'S NAME, CONTACT INFORMATION, SERVICE LOCATION, A SITE PLAN SHOWING THE DESIRED ROUTE OF GAS SERVICE, A "NEED-BY" DATE, REQUESTED GAS DELIVERY PRESSURE, AND THE TYPE AND OPERATING SCHEDULE OF FACILITIES TO BE SERVED (INCLUDING THE RATED CFH OR MBTU CONSUMPTION CAPACITY OF ALL PROPOSED GAS DEVICES).

CPS ELECTRICS GENERAL INFORMATION:

90.1 TO ARCHITECTS, CONSULTING ENGINEERS AND ELECTRICAL CONTRACTORS: THESE STANDARDS ARE ISSUED BY CPS ENERGY TO PROVIDE MINIMUM TECHNICAL STANDARDS FOR MATERIALS AND CONSTRUCTION PRACTICES UTILIZED IN THE INSTALLATION OF ELECTRIC SERVICE. CPS ENERGY DOCUMENTS ENTITLED: "POLICY FOR ELECTRIC LINE EXTENSIONS AND SERVICE INSTALLATIONS" AND "RULES AND REGULATIONS APPLYING TO RETAIL ELECTRIC AND GAS SERVICE" WILL OUTLINE CONDITIONS FOR SERVICE.

90.1.1 REVISIONS:
THE STANDARDS HEREIN SUPERSEDE ALL PREVIOUS PUBLICATIONS OF "CPS ENERGY'S ELECTRIC SERVICE STANDARDS".

90.1.2 SUPPLEMENTAL RULES AND REGULATIONS:
THE STANDARDS HEREIN ARE SUPPLEMENTARY TO THE RULES AND REGULATIONS OF THE CITY OF SAN ANTONIO, OTHER MUNICIPALITIES' ADOPTED CODES, COUNTY ORDINANCES, THE NESC, AND THE NEC.

90.2 CUSTOMER CHARGES AND AGREEMENTS:
CUSTOMER CHARGES, INCLUDING ESTIMATES ASSOCIATED WITH ELECTRIC LINE EXTENSIONS, NEW SERVICE INSTALLATIONS, AND MODIFICATIONS TO EXISTING SERVICES ARE IN ACCORDANCE WITH CPS ENERGY DOCUMENTS ENTITLED: "POLICY FOR ELECTRIC LINE EXTENSIONS AND SERVICE INSTALLATIONS" AND "RULES AND REGULATIONS APPLYING TO RETAIL ELECTRIC AND GAS SERVICE". COPIES OF THESE DOCUMENTS ARE AVAILABLE FROM CPS ENERGY'S CUSTOMER SERVICE REPRESENTATIVE.

90.3 COORDINATION OF SERVICE INSTALLATION REQUIREMENTS:
SERVICE INSTALLATIONS AND MODIFICATIONS MUST BE COORDINATED WITH CPS ENERGY'S CUSTOMER SERVICE REPRESENTATIVE. CUSTOMER WILL BE REQUIRED TO FURNISH ELECTRICAL DRAWINGS DEEMED NECESSARY BY CPS ENERGY'S CUSTOMER SERVICE REPRESENTATIVE. THE CUSTOMER IS ENCOURAGED TO STAY IN CONTACT WITH CPS ENERGY'S CUSTOMER SERVICE REPRESENTATIVE DURING THE DESIGN STAGES OF A PROJECT TO ENSURE THAT ALL ELECTRIC SERVICE INSTALLATION REQUIREMENTS ARE MET.

90.3.1 COORDINATION WITH CUSTOMER SERVICE REPRESENTATIVE:
THE CPS ENERGY CUSTOMER SERVICE REPRESENTATIVE WILL COORDINATE ALL SERVICE INSTALLATION REQUIREMENTS BETWEEN THE CUSTOMER AND INTERNAL CPS ENERGY ENGINEERING AND CONSTRUCTION DEPARTMENTS. THIS COORDINATION WILL INCLUDE: ARRANGING MEETINGS WHEN REQUIRED, COMMUNICATING TECHNICAL STANDARDS AND SPECIFICATIONS, AND FURNISHING FINAL CONSTRUCTION SKETCHES, IF APPLICABLE.

90.3.2 PLANS AND SPECIFICATIONS PREPARED BY ENGINEER:
NEW ELECTRIC SERVICE INSTALLATIONS OR MODIFICATIONS TO EXISTING ELECTRIC SERVICES INVOLVING CUSTOMER CALCULATED LOADS RATED OVER 600 AMPERES AT 250 VOLTS TO GROUND OR LESS, OR RATED AT OVER 400 AMPERES AND GREATER THAN 250 VOLTS TO GROUND, OR ANY SYSTEM ABOVE 600 VOLTS NOMINAL SHALL HAVE THE ELECTRICAL PLANS SEALED BY A PROFESSIONAL ENGINEER, LICENSED OR REGISTERED WITH THE STATE OF TEXAS.

THE FOLLOWING LIST IDENTIFIES THE SERVICE VOLTAGES OFFERED BY CPS ENERGY AND THE CORRESPONDING AMPERE VALUES THAT WILL REQUIRE A LICENSED OR REGISTERED PROFESSIONAL ENGINEER:

- 480Y/277-VOLT, FOUR-WIRE, THREE-PHASE, 400 AMPERES (333 KVA)
- 208Y/120-VOLT, FOUR-WIRE, THREE-PHASE, 600 AMPERES (216 KVA)
- 240/120-VOLT DELTA, FOUR-WIRE, THREE-PHASE, 600 AMPERES (250 KVA)
- 120/240-VOLT, THREE-WIRE, SINGLE-PHASE, 600 AMPERES (144 KVA)

EXCEPTION 1: WHERE DESIGNS INVOLVE THE INSTALLATION OR MODIFICATION OF CPS ENERGY SUPPLY FACILITIES ON THE LINE-SIDE OF THE POINT OF DELIVERY, CPS ENERGY MAY REQUIRE DOCUMENTS TO BE PREPARED BY A LICENSED OR REGISTERED ENGINEER AT LESSER KVA VALUES WHEN DEEMED NECESSARY DUE TO SPECIAL CONDITIONS OR OTHER CONSIDERATIONS (REFER TO DEFINITION OF "SUPPLY FACILITIES").

EXCEPTION 2: WHERE DISTRIBUTED GENERATION (DG) SYSTEMS ARE DESIGNED TO BE INTERCONNECTED ON THE LINE-SIDE OR LOAD-SIDE OF THE CUSTOMER'S SERVICE DISCONNECTING MEANS, CPS ENERGY WILL REQUIRE DOCUMENTS TO BE PREPARED BY A LICENSED OR REGISTERED ENGINEER FOR ALL DESIGNS OF 25 KWAC AND ABOVE FOR ANY VOLTAGE (REFER TO SECTION 2000).

EXCEPTION 3: WHERE OTHERWISE REQUIRED BY THE TEXAS ENGINEERING PRACTICE ACT THE ELECTRICAL PLANS SHALL BE SEALED BY A LICENSED OR REGISTERED ENGINEER.

90.4 METERING EQUIPMENT DESIGN:
CPS ENERGY NO LONGER PROVIDES SINGLE-PHASE, SELF-CONTAINED METER SOCKETS TO ELECTRICAL CONTRACTORS. SINGLE-PHASE, SELF-CONTAINED METER SOCKETS APPROVED BY CPS ENERGY ARE LISTED ON FIGURE 1800.1 AND MAY BE PURCHASED THROUGH LOCAL DISTRIBUTORS. ALL OTHER METERING EQUIPMENT LISTED IN TABLE 1800.1 WILL BE FURNISHED BY CPS ENERGY. CUSTOMER MAY ORDER CPS ENERGY FURNISHED METERING EQUIPMENT AT COMPLETION OF APPLICATION FOR SERVICE. THE CUSTOMER IS ADVISED TO PLAN THEIR JOB IN ACCORDANCE WITH THESE STANDARDS AND TO SPECIFY CODE NUMBERS FROM TABLE 1800.1 WHEN ORDERING METERING EQUIPMENT.

CUSTOMER MUST COORDINATE WITH CPS ENERGY'S CUSTOMER SERVICE REPRESENTATIVE TO ORDER NECESSARY METERING EQUIPMENT BEFORE WIRING IS STARTED. WHERE CUSTOMER DESIGN REQUIRES THE USE OF METERING INSTRUMENT TRANSFORMER ENCLOSURES LARGER OR DIFFERENT THAN THOSE LISTED IN TABLE 1800.1, CUSTOMER MUST SUBMIT MANUFACTURER'S SHOP DRAWINGS AND SPECIFICATIONS FOR REVIEW BY CPS ENERGY. SUCH ENCLOSURES MUST BE APPROVED BY CPS ENERGY PRIOR TO INSTALLATION AND BE FURNISHED AND INSTALLED BY CUSTOMER AT CUSTOMER'S EXPENSE (REFER TO SECTION 1800).

90.4.1 METER LOCATIONS:
CUSTOMER SHALL CONSULT WITH CPS ENERGY'S CUSTOMER SERVICE REPRESENTATIVE REGARDING THE LOCATION OF METERING EQUIPMENT. CPS ENERGY'S CUSTOMER SERVICE REPRESENTATIVE WILL MAKE FINAL DETERMINATION ON THE LOCATION OF METERING EQUIPMENT (REFER TO SECTION 1800).

90.4.2 INSTRUMENT TRANSFORMER RATED METERING EQUIPMENT:
ESTIMATED THREE-PHASE DEMAND OR CALCULATED LOADS OVER 288 AMPERES ON 208Y/120-VOLT, 240/120-VOLT CLOSED-DELTA, OR 480Y/277-VOLT SERVICES WILL REQUIRE THE USE OF INSTRUMENT TRANSFORMER RATED METERING EQUIPMENT.

ESTIMATED SINGLE-PHASE DEMAND OR CALCULATED LOADS OVER 288 AMPERES ON 120/240-VOLT SERVICE WILL REQUIRE THE USE OF INSTRUMENT TRANSFORMER RATED METERING EQUIPMENT.

NOTE 1: SERVICES WITH SINGLE OR PARALLEL CONDUCTORS THAT EXCEED THE SELF-CONTAINED METER SOCKETS' CABLE SPECIFICATIONS AND ALL SERVICES WITH VOLTAGES GREATER THAN 480 VOLTS WILL REQUIRE THE USE OF INSTRUMENT TRANSFORMER RATED METERING EQUIPMENT (REFER TO SECTION 1800).

NOTE 2: THE CUSTOMER, WHEN COORDINATING ANY SERVICE INSTALLATION OR MODIFICATION, SHOULD ALWAYS CONSIDER THE POSSIBILITY THAT INSTRUMENT TRANSFORMER RATED METERING EQUIPMENT MAY BE NEEDED IN THE DESIGN OF THE METER LOOP.

90.5 ACCESS FOR CPS ENERGY EMPLOYEES AND AGENTS:
THE CUSTOMER SHALL GIVE EMPLOYEES OF CPS ENERGY AND ITS AUTHORIZED AGENTS, WHEN PROPERLY IDENTIFIED, ACCESS TO THE PREMISES OF THE CUSTOMER AT ALL REASONABLE HOURS AND ANY TIME DURING AN EMERGENCY. THIS ACCESS WILL BE FOR INSTALLING, READING, INSPECTING, ADJUSTING, REPAIRING, MAINTAINING, REPLACING, OR REMOVING ANY CPS ENERGY EQUIPMENT ON CUSTOMER'S PREMISES, OR FOR ANY OTHER PURPOSE INCIDENTAL TO THE ELECTRIC SERVICE SUPPLIED BY CPS ENERGY.

90.6 EASEMENTS:
CUSTOMER SHALL FURNISH CPS ENERGY, WITHOUT CHARGE, APPROPRIATE EASEMENTS AS SPECIFIED BY CPS ENERGY'S CUSTOMER SERVICE REPRESENTATIVE. CUSTOMER SHALL BE RESPONSIBLE FOR PROVIDING UNRESTRICTED ACCESS AND MAKING ALL CPS ENERGY EQUIPMENT READILY ACCESSIBLE TO CPS ENERGY.

90.6.1 TYPES OF EASEMENTS:
CPS ENERGY'S CUSTOMER SERVICE REPRESENTATIVE WILL COORDINATE WITH CUSTOMER AND SPECIFY APPROPRIATE TYPES AND LOCATIONS OF EASEMENTS NECESSARY FOR THE PROVISION OF ELECTRICAL SERVICE TO CUSTOMER'S PREMISES.

90.6.2 USE RESTRICTIONS:
BUILDINGS, SIGNS, SWIMMING POOLS, DECKS, EQUIPMENT, OR ANY OTHER PERMANENT STRUCTURES WITHIN ELECTRICAL EASEMENTS ARE PROHIBITED. CPS ENERGY EASEMENTS MUST COMPLY WITH THE PROVISIONS ESTABLISHED BY CPS ENERGY.

90.7 METER TAMPERING:
THE CUSTOMER SHALL NOT BYPASS, TAMPER WITH, OR OTHERWISE INTERFERE WITH THE PROPER OPERATION AND REGISTRATION OF CPS ENERGY METERING EQUIPMENT.

NOTE 1: EQUIPMENT AND WIRING SHALL NOT BE CONNECTED TO FACILITIES IN SUCH A MANNER AS TO BYPASS METERING EQUIPMENT REQUIRED BY CPS ENERGY.

NOTE 2: VIOLATIONS OF THE PROVISIONS OUTLINED IN THIS SECTION WILL CAUSE SERVICE TO BE DISCONNECTED AND THOSE RESPONSIBLE TO INCUR CRIMINAL AND CIVIL PENALTIES AS PROVIDED FOR BY THE CITY OF SAN ANTONIO AND STATE OF TEXAS STATUTES.

90.8 ATTACHMENT TO CPS ENERGY UTILITY/STREETLIGHT POLES:
ATTACHING ANY UTILITY FACILITIES OR BANNER EQUIPMENT TO UTILITY/STREETLIGHT POLES SHALL BE PROHIBITED WITHOUT FIRST OBTAINING APPROVAL FROM CPS ENERGY'S POLE ATTACHMENT SERVICES (REFER TO "HELPFUL NUMBERS" LISTED ON THE INSIDE FRONT COVER PAGE).

90.9 DISCONTINUOUS OR INTERRUPTION OF SERVICE:
CPS ENERGY RESERVES THE RIGHT TO DISCONTINUE, INTERRUPT OR CURTAIL SERVICE TO ANY CUSTOMER OR REFUSE SERVICE TO ANY CUSTOMER, WHEN IN THE JUDGMENT OF CPS

ENERGY, SUPPLY OF SERVICE WOULD CONSTITUTE A SAFETY OR HEALTH HAZARD, FOR ANY CONDITION OUTLINED IN CPS ENERGY'S DOCUMENT ENTITLED: "RULES AND REGULATIONS APPLYING TO RETAIL ELECTRIC AND GAS SERVICE" OR IN ACCORDANCE WITH ANY OTHER POLICIES ADOPTED BY CPS ENERGY.

90.10 REQUESTS FOR VARIANCE FROM STANDARDS:

REQUESTS FOR VARIANCE FROM CPS ENERGY'S ELECTRIC SERVICE STANDARDS AND SPECIFICATIONS (SERVICE VOLTAGE, MINIMUM AND MAXIMUM LOADS, ETC.) WHICH ARE DEFINED, DESCRIBED, DETAILED, OR OTHERWISE NOTED HEREIN, WILL BE EVALUATED ON A CASE BY CASE BASIS. CONSULTATION WITH CPS ENERGY'S CUSTOMER SERVICE REPRESENTATIVE WILL BE REQUIRED PRIOR TO A VARIANCE REQUEST BEING REVIEWED AND CONSIDERED BY CPS ENERGY. IF A VARIANCE IS NOT APPROVED, THE CUSTOMER WILL BE REQUIRED TO REDESIGN THEIR INSTALLATION TO COMPLY WITH THESE STANDARDS.

NOTE:
REFERENCE SHEET C0.01 FOR GENERAL CONSTRUCTION NOTES



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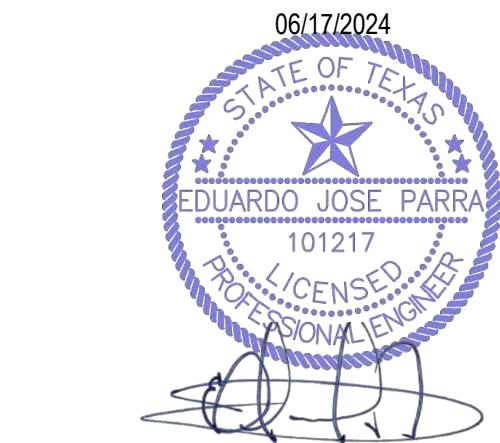
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△ Date	Description
06/19/2024	ISSUE FOR CONSTRUCTION

Project Name

ALAMO SITE - AREA 2C - PROMENADE

Project Number

122.0076.000

Description

DRY UTILITY GENERAL NOTES

Scale



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C5.10

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B A T A C O W D E S I G N C O

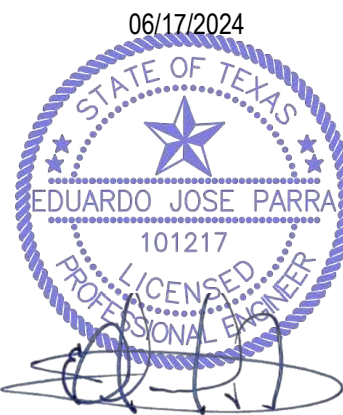
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Project Name

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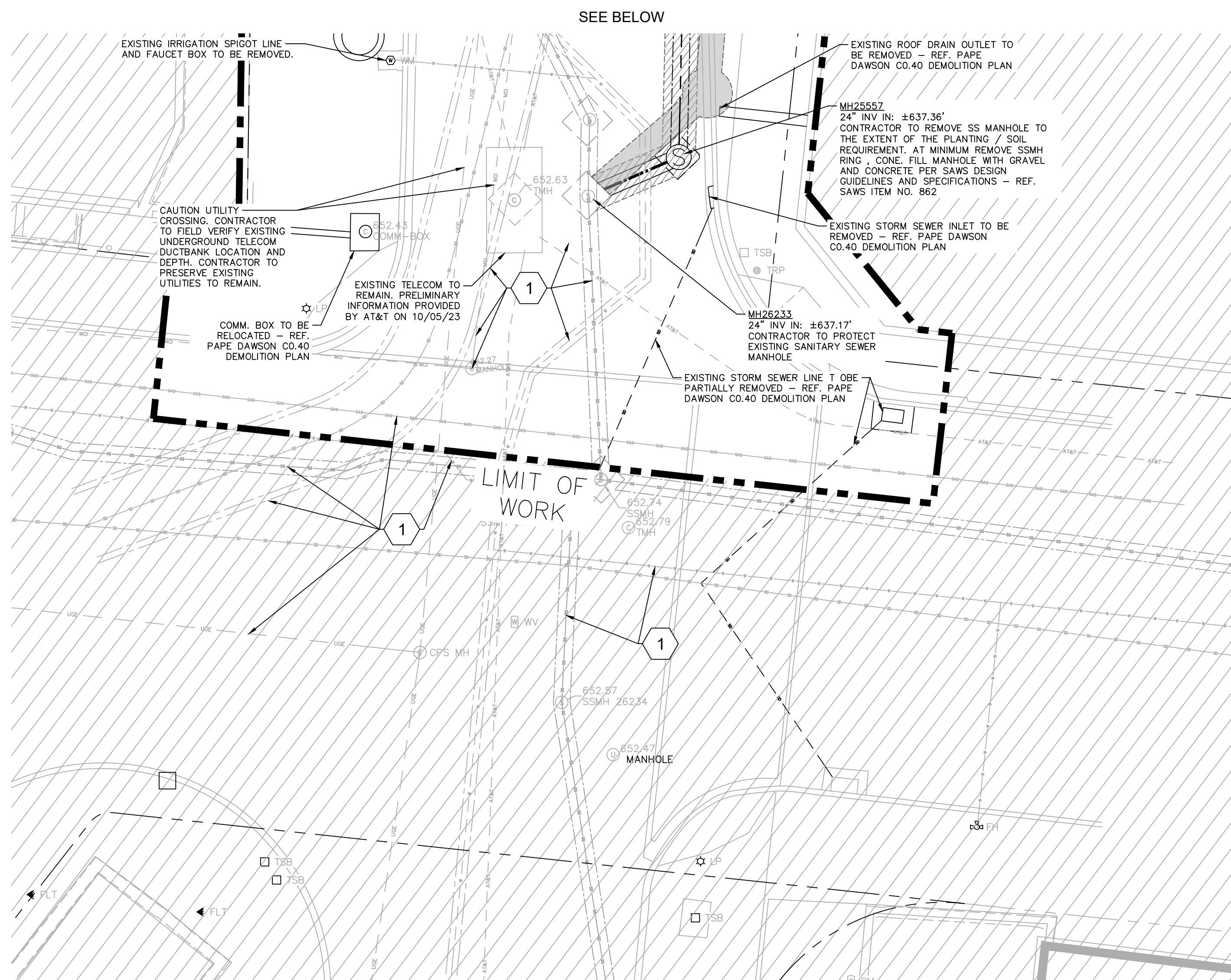
Description
UTILITY DEMOLITION PLAN

Scale

 $1'' = 10'$

C6.00

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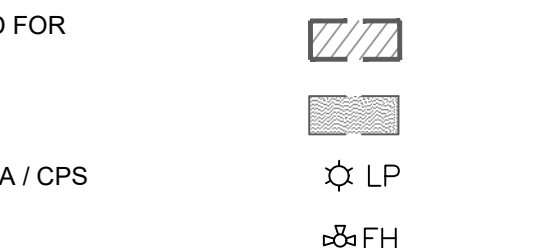
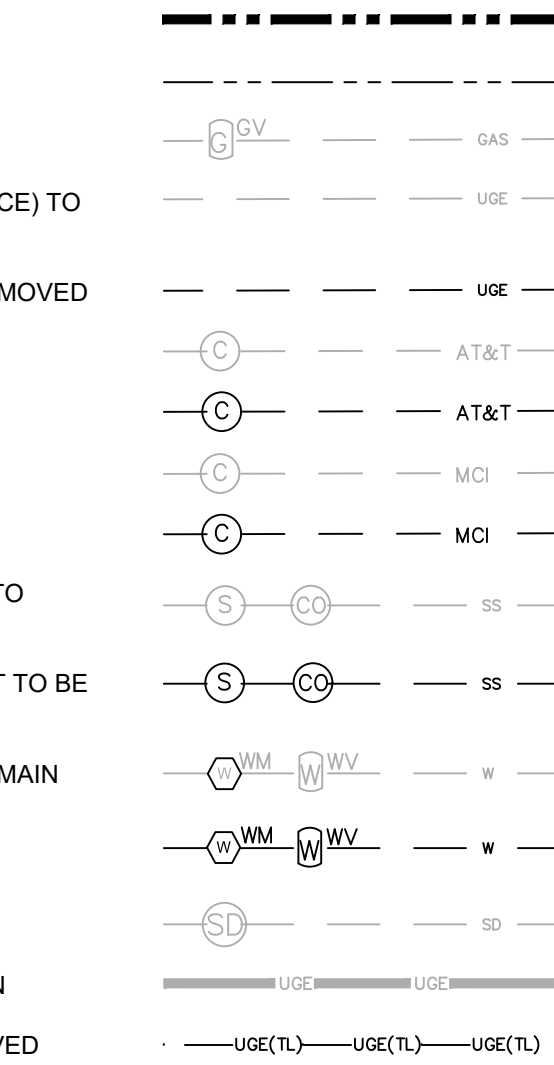
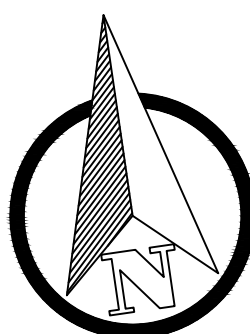


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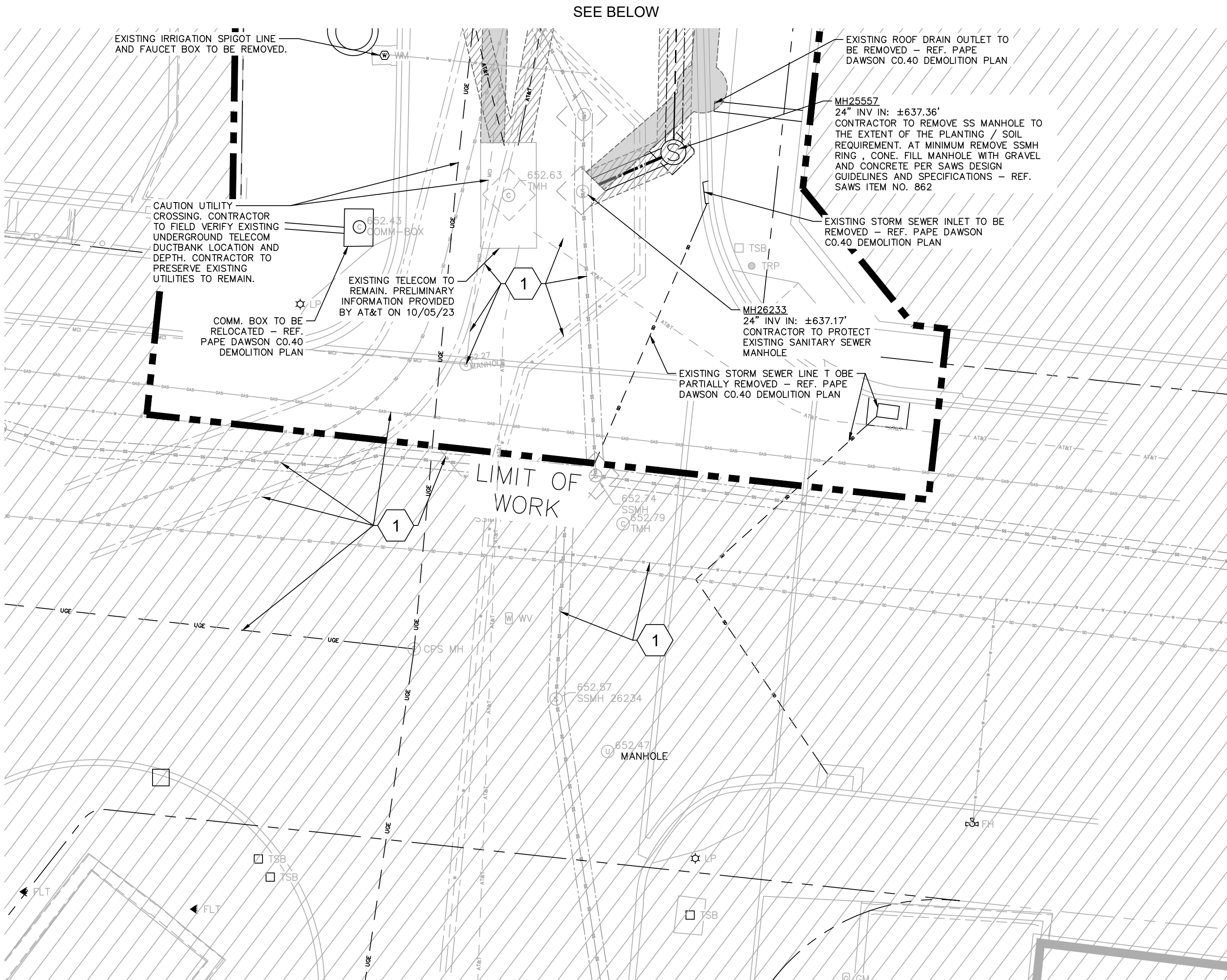
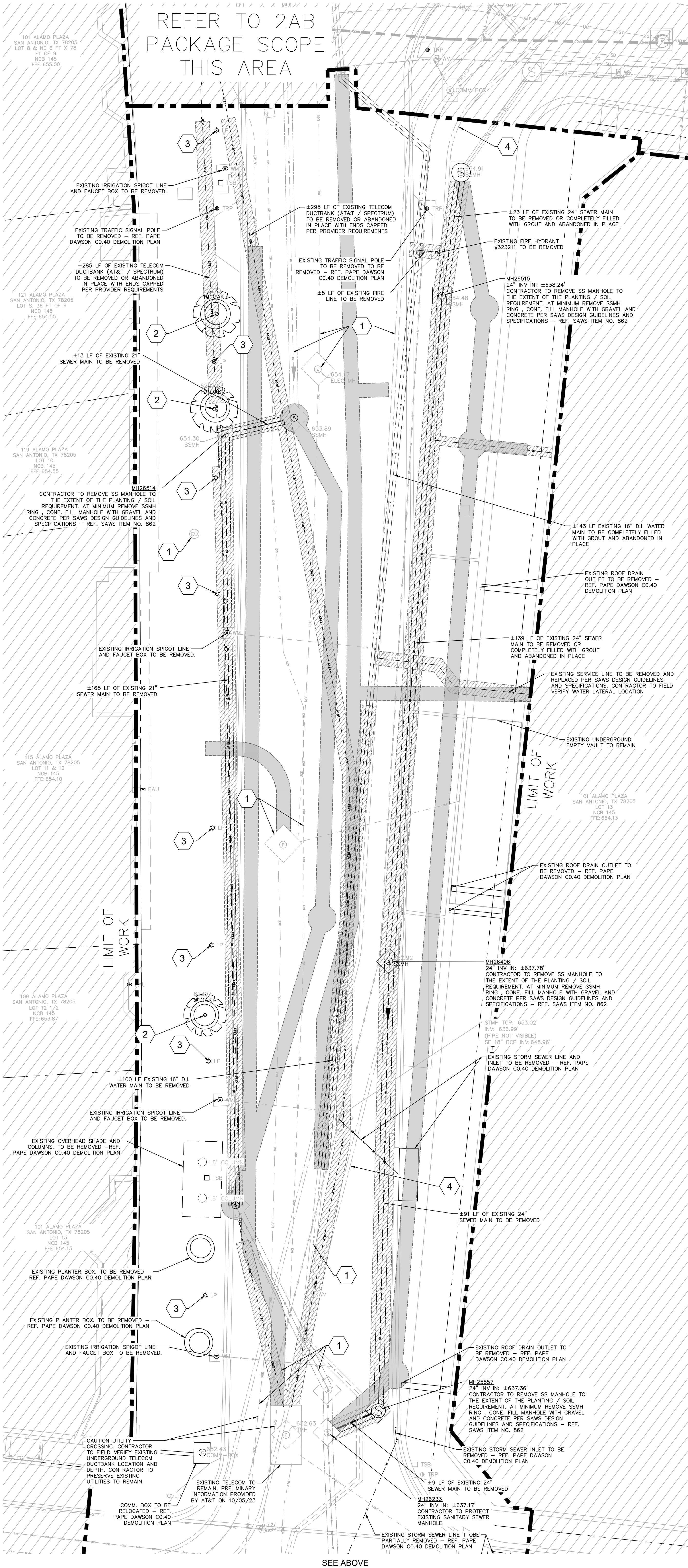
PHASE 2C LIMIT OF WORK
 COSA 2' W / GLO LEASE LINE
 EXISTING NATURAL GAS LINE / VALVE TO REMAIN
 EXISTING UNDERGROUND ELECTRICAL UTILITY (N-SERVICE) TO REMAIN
 EXISTING UNDERGROUND ELECTRICAL UTILITY TO BE REMOVED
 EXISTING AT&T LINE / MANHOLE TO REMAIN
 EXISTING MTG LINE / MANHOLE TO REMAIN
 EXISTING MCI LINE / MANHOLE TO BE REMOVED
 EXISTING SANSARY SEWER MAIN / MANHOLE / CLEANOUT TO REMAIN
 EXISTING SANITARY SEWER MAIN / MANHOLE / CLEANOUT TO BE GROUTED OR REMOVED
 EXISTING WATER MAIN / LATERAL / METER / VALVE TO REMAIN
 EXISTING WATER MAIN / LATERAL / METER / VALVE TO BE REMOVED (SEE QUANTITIES FOR REMOVAL)
 EXISTING STORM DRAIN / MANHOLE
 EXISTING UNDERGROUND ELECTRICAL VAULT TO REMAIN
 EXISTING UNDERGROUND TRAFFIC UTILITY TO BE REMOVED
 EXISTING PAVEMENT / CURB / SIDEWALK TO BE REMOVED FOR EXISTING UTILITY REMOVAL / GROUTING
 PROPOSED UTILITY TRENCH AND UTILITY STRUCTURES
 EXISTING STREET-LIGHT POLES TO BE REMOVED BY COSA / CPS
 EXISTING FIRE-HYDRAULIC HOLES TO REMAIN

KEYED NOTES

- ⑦ EXISTING UNDERGROUND UTILITIES, STRUCTURES TO REMAIN
- ⑧ EXISTING TREES TO BE PROTECTED IN PLACE AND REMAIN. REF LANDSCAPE PLANS FOR DETAILS.
- ⑨ EXISTING STREET LIGHTS TO BE REMOVED - REF TO DEMOLITION PLAN C0.40
- ⑩ EXISTING STORM SEWER INFRASTRUCTURE TO REMAIN. REF TO DEMOLITION PLAN C0.40



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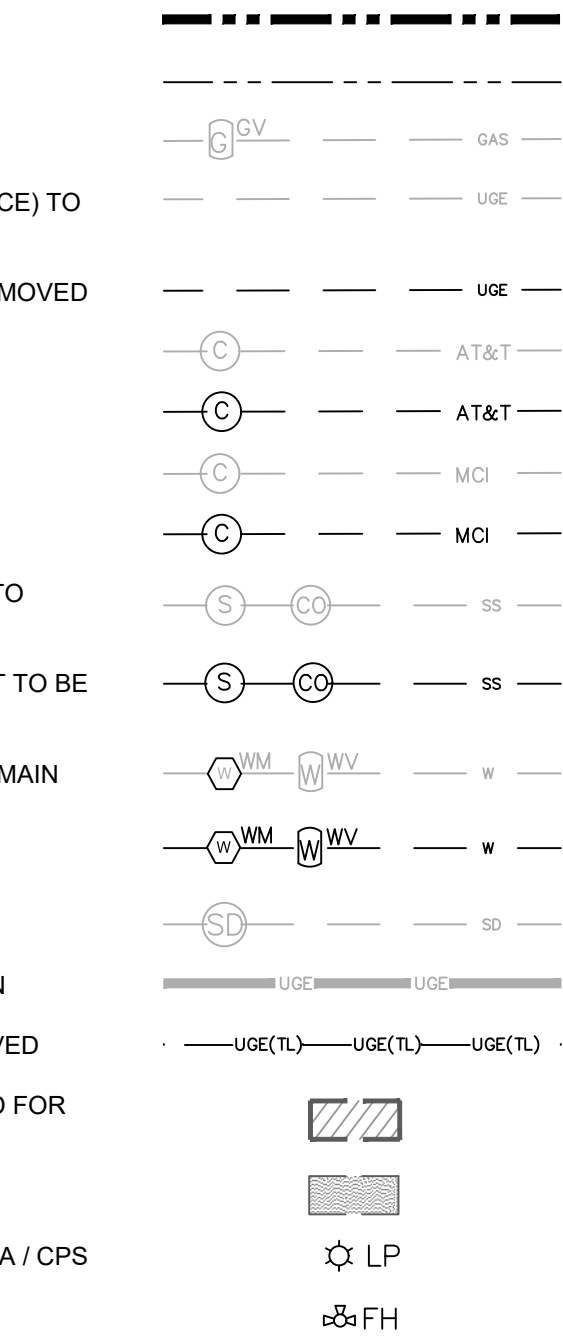
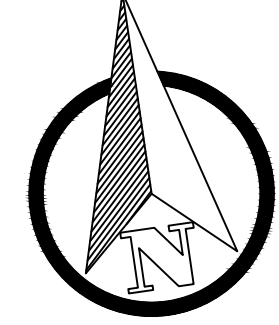


LEGEND

- PHASE 2C LIMIT OF WORK
- COSA R.O.W / GLO LEASE LINE
- EXISTING NATURAL GAS LINE / VALVE TO REMAIN
- EXISTING UNDERGROUND ELECTRICAL UTILITY (IN-SERVICE) TO REMAIN
- EXISTING UNDERGROUND ELECTRICAL UTILITY TO BE REMOVED
- EXISTING AT&T LINE / MANHOLE TO REMAIN
- EXISTING AT&T LINE / MANHOLE TO BE REMOVED
- EXISTING MCI LINE / MANHOLE TO REMAIN
- EXISTING MCI LINE / MANHOLE TO BE REMOVED
- EXISTING SANITARY SEWER LINE / MANHOLE / CLEANOUT TO REMAIN
- EXISTING SANITARY SEWER MAIN / MANHOLE / CLEANOUT TO BE GROUDED OR REMOVED
- EXISTING WATER MAIN / LATERAL / METER / VALVE TO REMAIN
- EXISTING WATER MAIN / LATERAL / METER / VALVE TO BE REMOVED OR ABANDONED IN PLACE
- EXISTING STORM DRAIN / MANHOLE
- EXISTING UNDERGROUND ELECTRICAL VAULT TO REMAIN
- EXISTING UNDERGROUND TRAFFIC UTILITY TO BE REMOVED
- EXISTING PAVEMENT / CURB / SIDEWALK TO BE REMOVED FOR EXISTING UTILITY REMOVAL / GROUTING.
- PROPOSED UTILITY TRENCH AND UTILITY STRUCTURES
- EXISTING STREET-LIGHT POLES TO BE REMOVED BY COSA / CPS
- EXISTING FIRE HYDRANT

KEYED NOTES

- EXISTING UNDERGROUND UTILITIES, STRUCTURES TO REMAIN
- EXISTING TREES TO BE REMOVED. REF LANDSCAPE PLANS FOR DETAILS.
- EXISTING STREET LIGHTS TO BE REMOVED - REF TO DEMOLITION PLAN C0-00A
- EXISTING STORM SEWER INFRASTRUCTURE TO REMAIN. REF TO DEMOLITION PLAN C0-00A



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06/19/2024	ISSUE FOR CONSTRUCTION

Project Name
ALAMO SITE - AREA 2C - PROMENADE

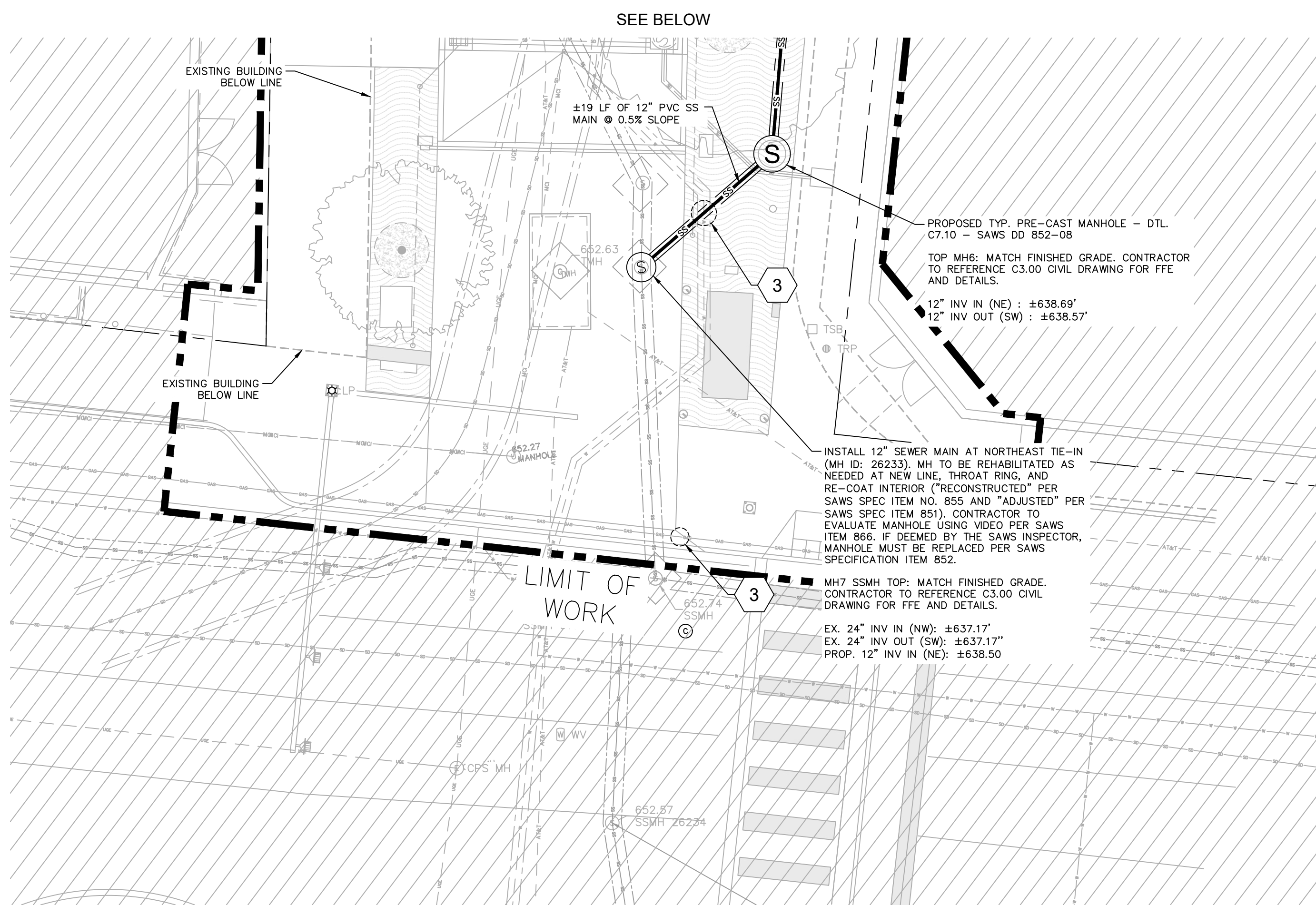
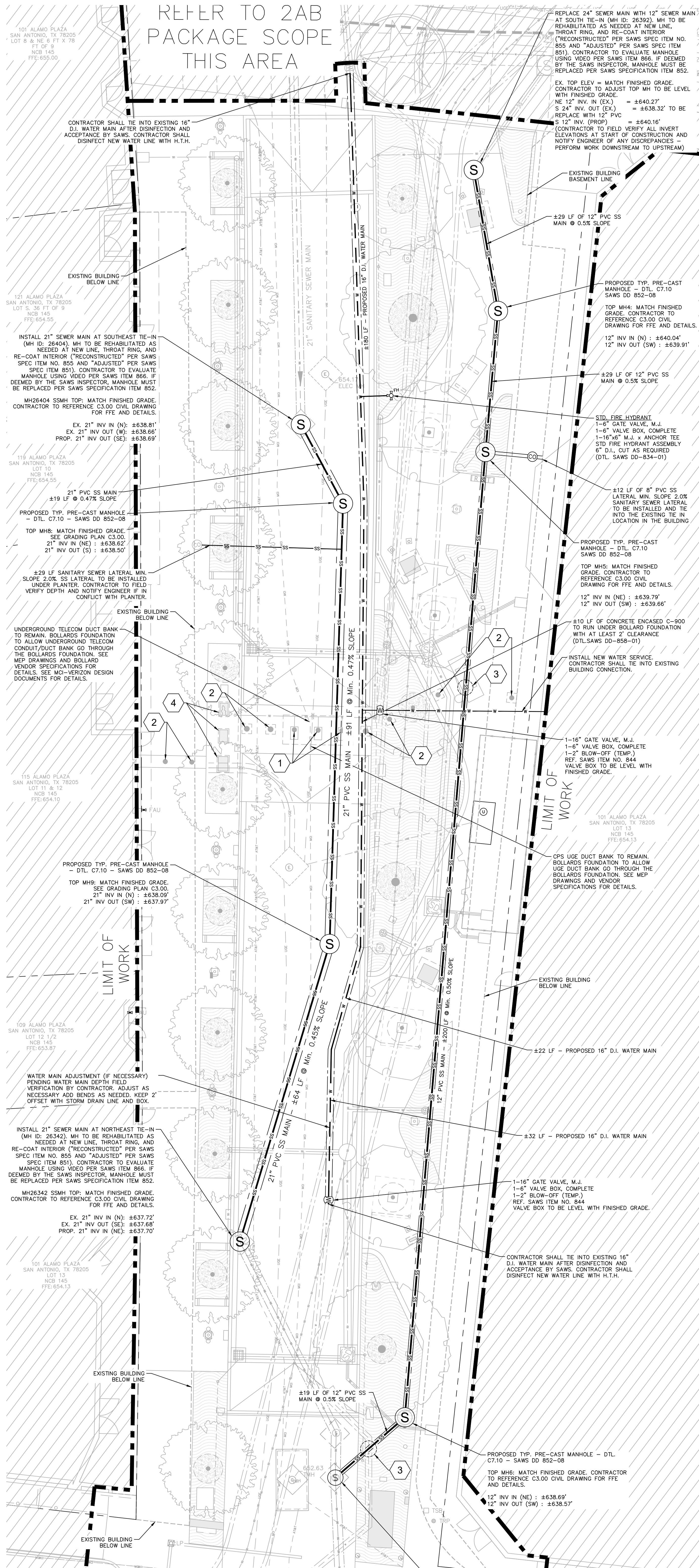
Project Number
122.0076.000

Description
UTILITY DEMOLITION PLAN
(ALTERNATE BID)

Scale
1" = 10'

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C6.00A

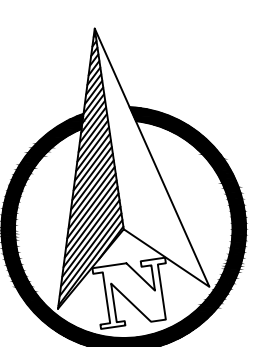


LEGEND

- PHASE 2C LIMIT OF WORK
COSA R.O.W / GLO LEASE LINE
PROPOSED SCULPTURE / SIGNAGE
- PROPOSED UTILITIES
WATER LINE / VALVE
WATER METER
FIRE HYDRANT
SANITARY SEWER LINE / MANHOLE
SANITARY SEWER CLEANOUT
STORM DRAIN LINE / MANHOLE
ELECTRIC LINE / MANHOLE
AT&T LINE / MANHOLE
NATURAL GAS LINE / VALVE
- EXISTING UTILITIES
WATER LINE / VALVE
WATER METER
SANITARY SEWER LINE / MANHOLE
SANITARY SEWER CLEANOUT
ELECTRIC LINE (IN-SERVICE) / MANHOLE
ELECTRIC LINE (UN-CARRIED SERVICE)
AT&T LINE / MANHOLE
NATURAL GAS LINE / VALVE

KEYED NOTES

- 1. PROPOSED RETRACTABLE BOLLARDS - REF. TO MEP DRAWINGS FOR DETAILS. MAINTAIN AT LEAST 3' CLEARANCE FROM TOP OF UTILITIES BELOW.
- 2. PROPOSED FIXED BOLLARDS - REF. TO LANDSCAPE DRAWINGS FOR DETAILS.
- 3. CAUTION "UTILITY CROSSING"
- 4. PROPOSED BOLLARD CONTROL PANEL. REFER TO MEP FOR POWER CONNECTION.



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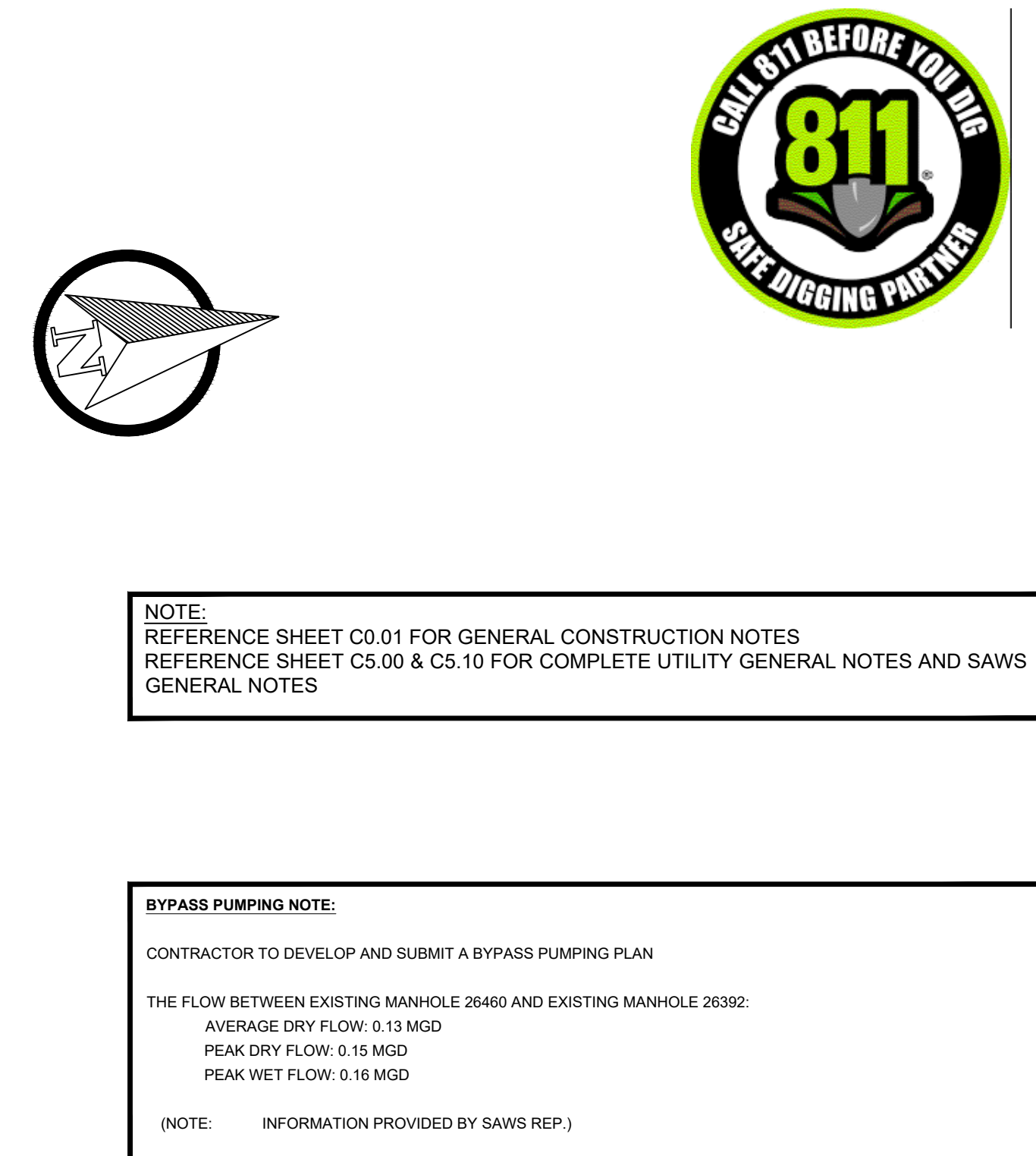
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Project Name
ALAMO SITE - AREA 2C - PROMENADE

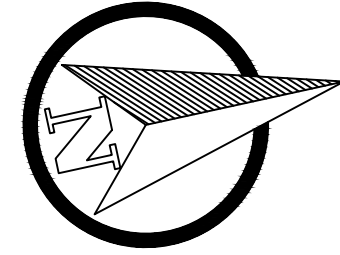
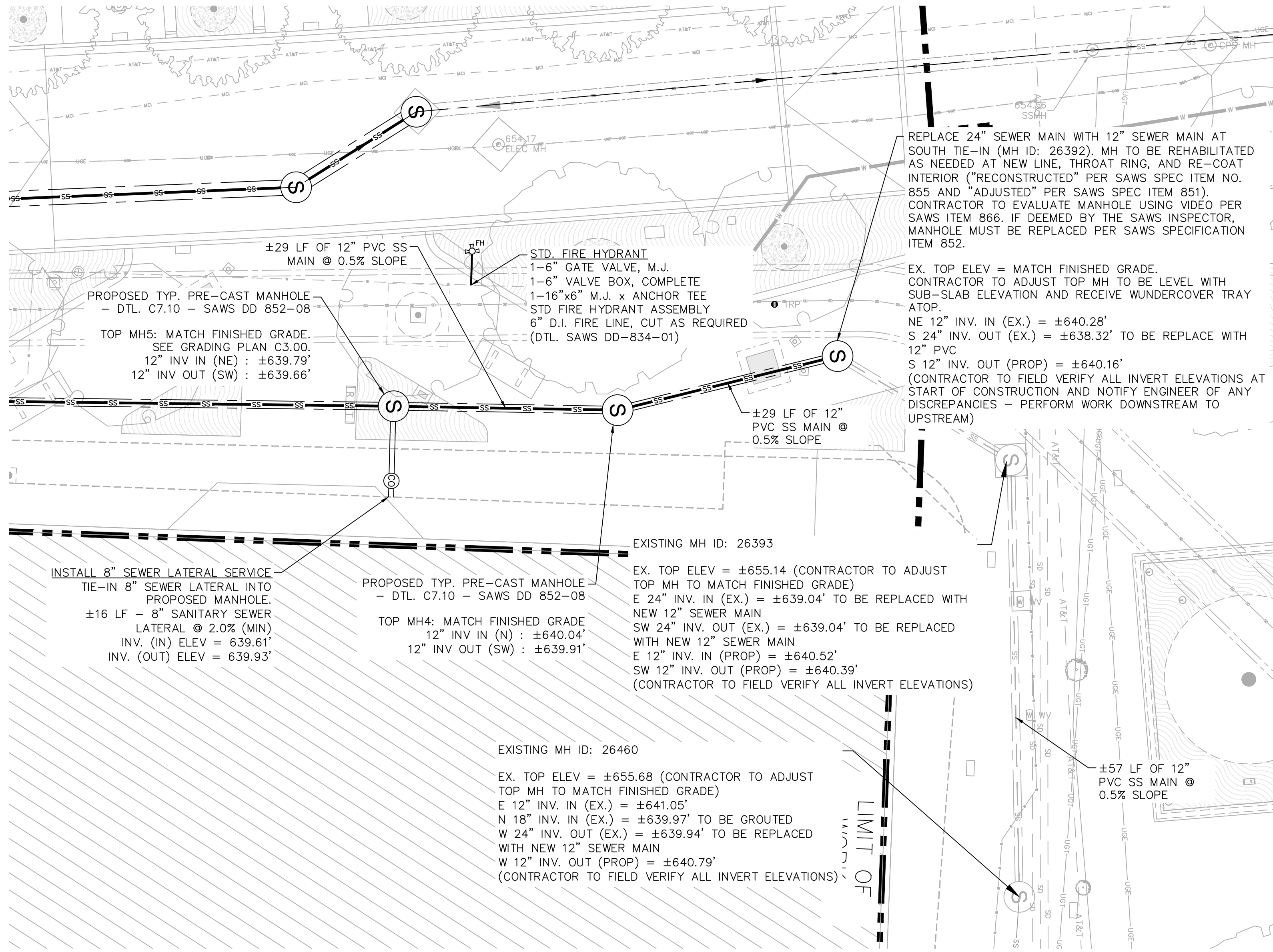
Project Number
122.0076.000
Description
UTILITY PLAN (ALTERNATE BID)

Scale
1" = 10'

C7.00A



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LEGEND

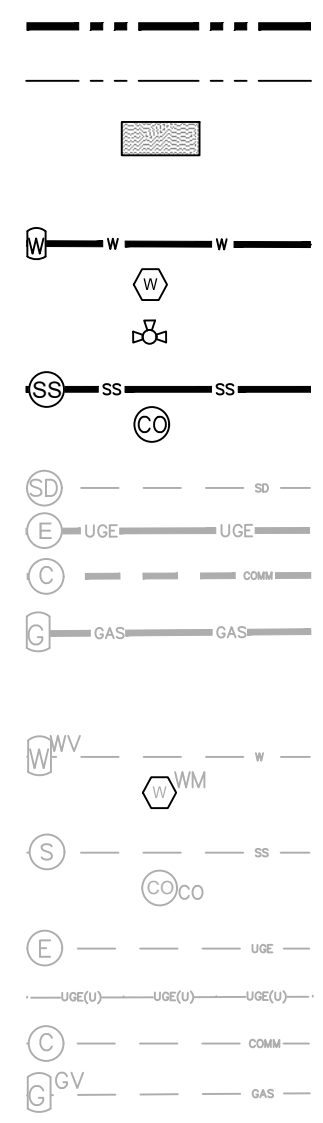
PHASE 2A2B LIMIT OF WORK
COSA R.O.W/ GLO LEASE LINE
PROPOSED SCULPTURE/ SIGNAGE

PROPOSED UTILITIES

WATER LINE/ VALVE
WATER METER
FIRE HYDRANT
SANITARY SEWER LINE/ MANHOLE
SANITARY SEWER CLEANOUT
STORM DRAIN LINE/ MANHOLE
ELECTRIC LINE/ MANHOLE
COMMUNICATION LINE/ MANHOLE
NATURAL GAS LINE/ VALVE

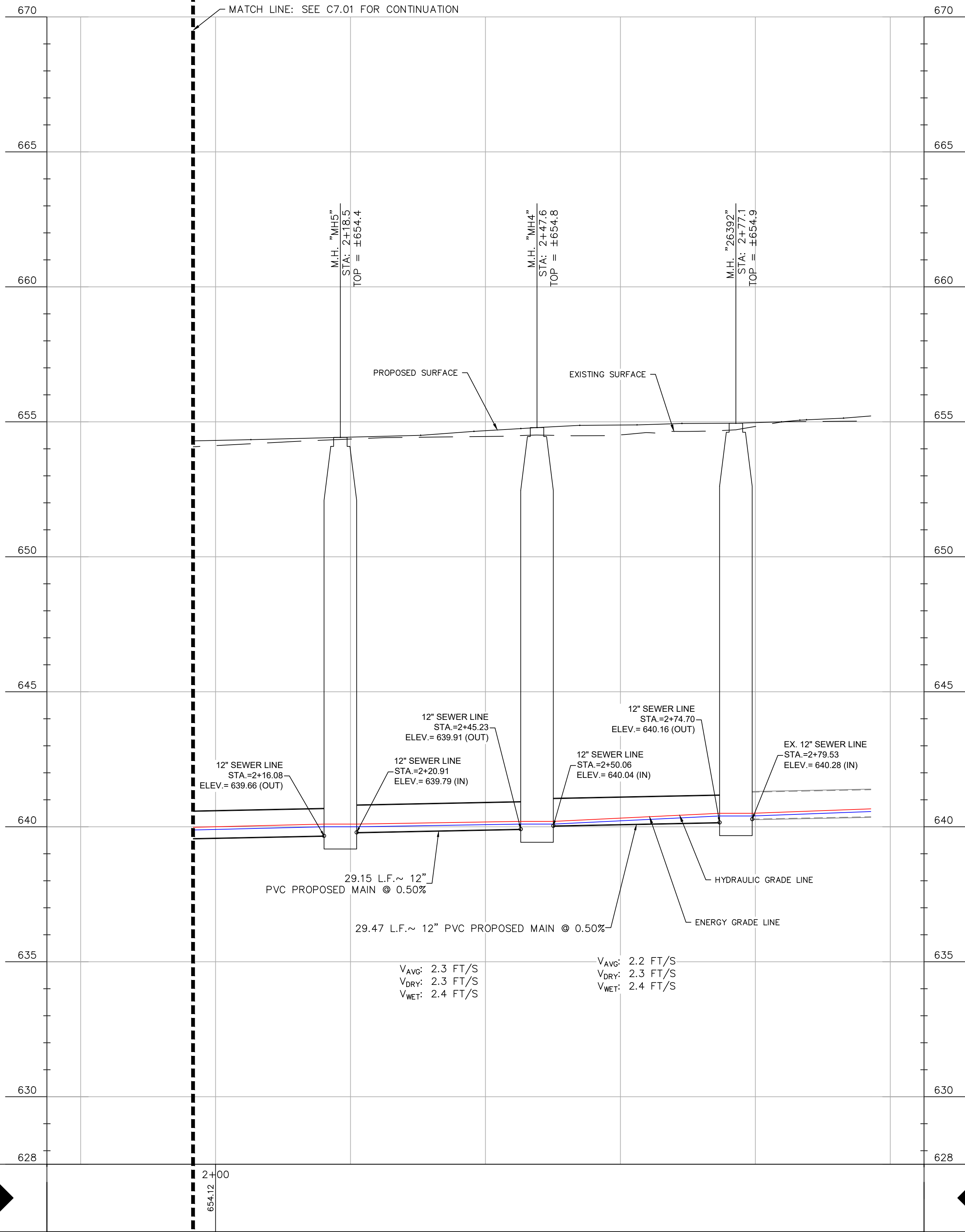
EXISTING UTILITIES

WATER LINE/ VALVE
WATER METER
SANITARY SEWER LINE/ MANHOLE
SANITARY SEWER CLEANOUT
ELECTRIC LINE (N-SERVICE) MANHOLE
ELECTRIC LINE (UNCONFIRMED SERVICE)
COMMUNICATION LINE/ MANHOLE
NATURAL GAS LINE/ VALVE



12" SANITARY SEWER LINE - PROFILE

VERTICAL SCALE: 1" = 2.5'
HORIZONTAL SCALE: 1" = 10'



NOTE:
REFERENCE SHEET C0.01 FOR GENERAL CONSTRUCTION NOTES
REFERENCE SHEET C5.00 & C5.10 FOR COMPLETE UTILITY GENERAL NOTES AND SAWS GENERAL NOTES

BYPASS PUMPING NOTE:
CONTRACTOR TO DEVELOP AND SUBMIT A BYPASS PUMPING PLAN
THE FLOW BETWEEN EXISTING MANHOLE 26460 AND EXISTING MANHOLE 26392
AVERAGE DRY FLOW: 0.13 MGD
PEAK DRY FLOW: 0.18 MGD
PEAK WET FLOW: 0.18 MGD
(NOTE: INFORMATION PROVIDED BY SAWS REP.)

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PROMENADE

Project Number

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Description

SEWER PROFILE

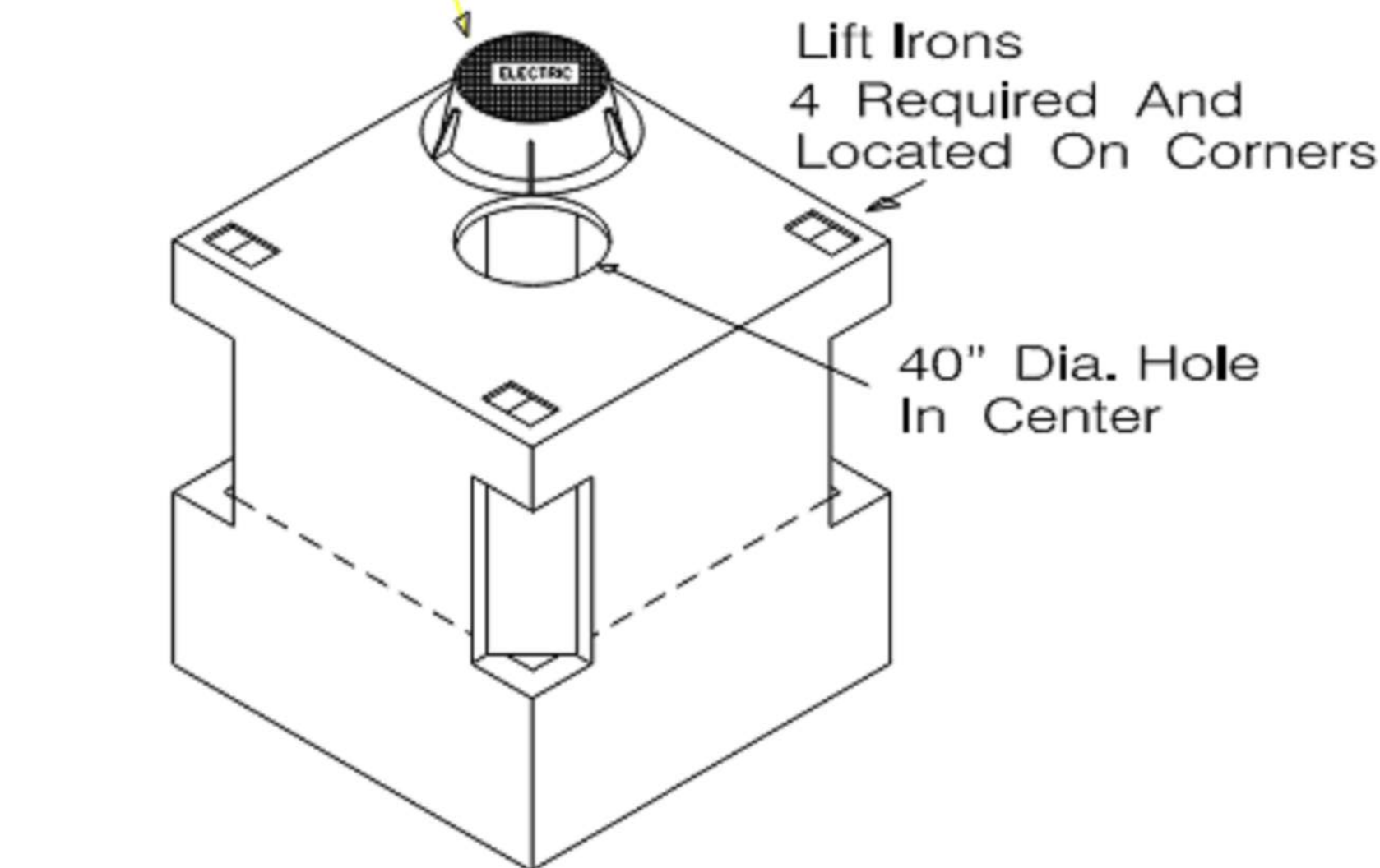
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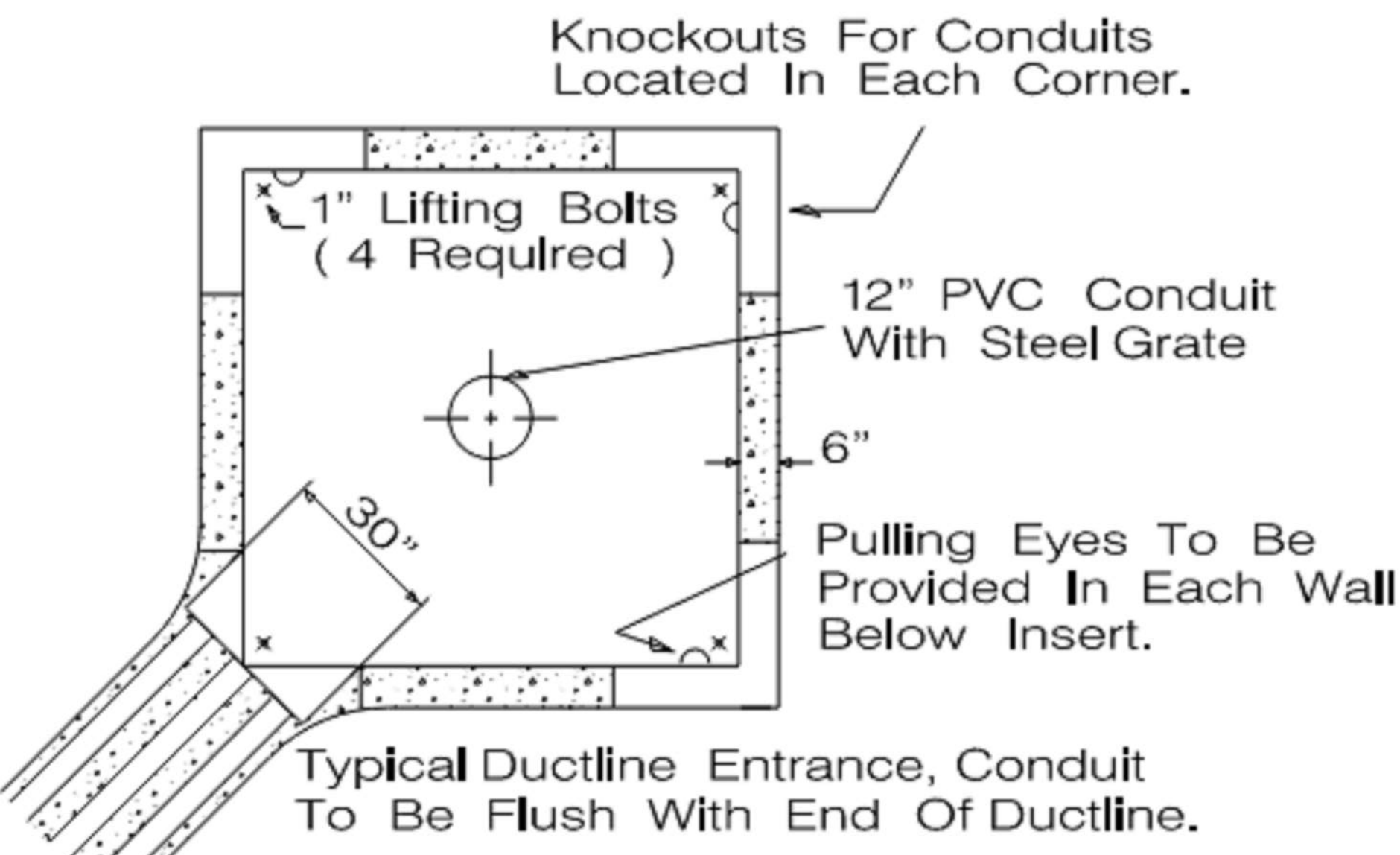
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C7.02

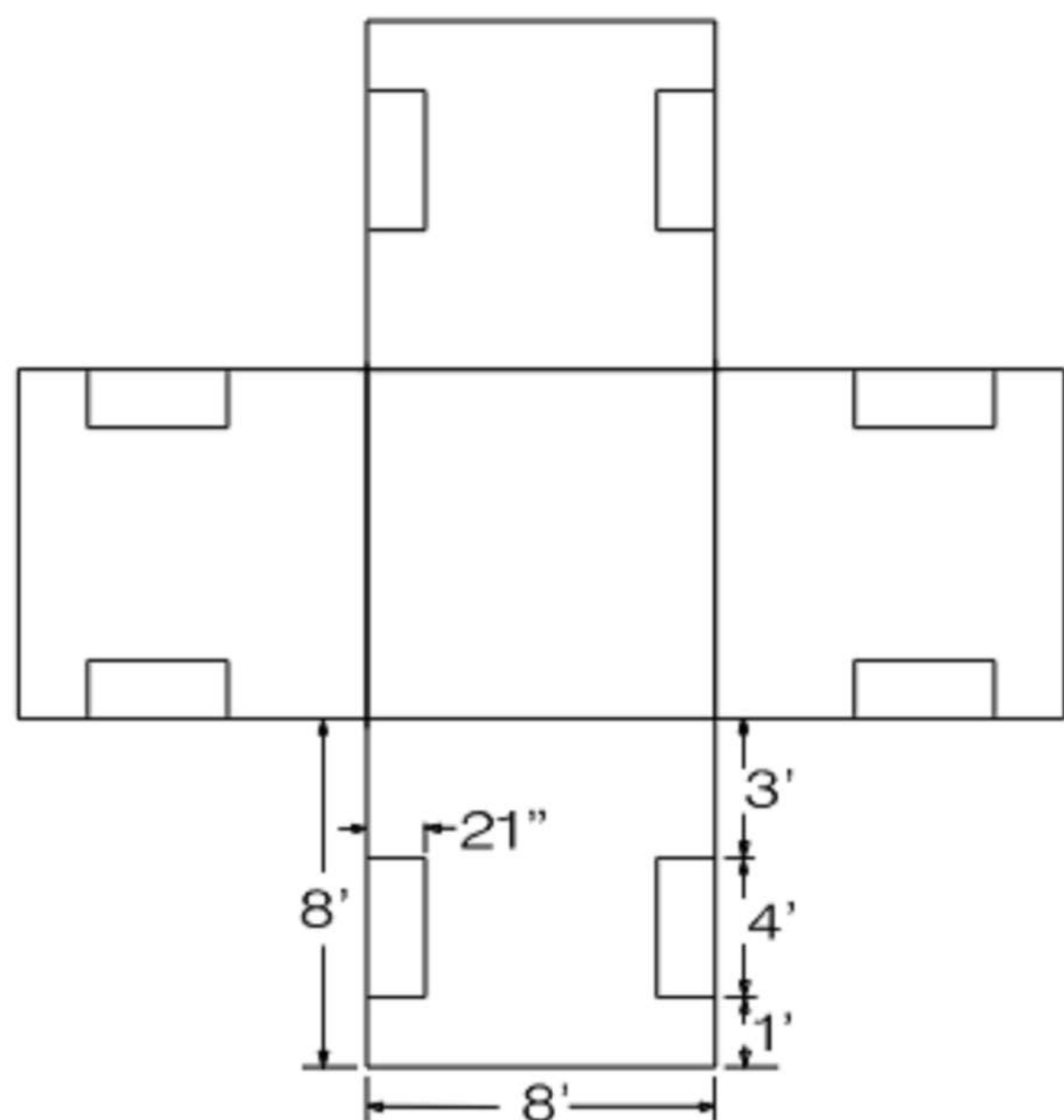
36" Cast Iron Ring And Cover
East Jordan Iron Works Product# 47058104



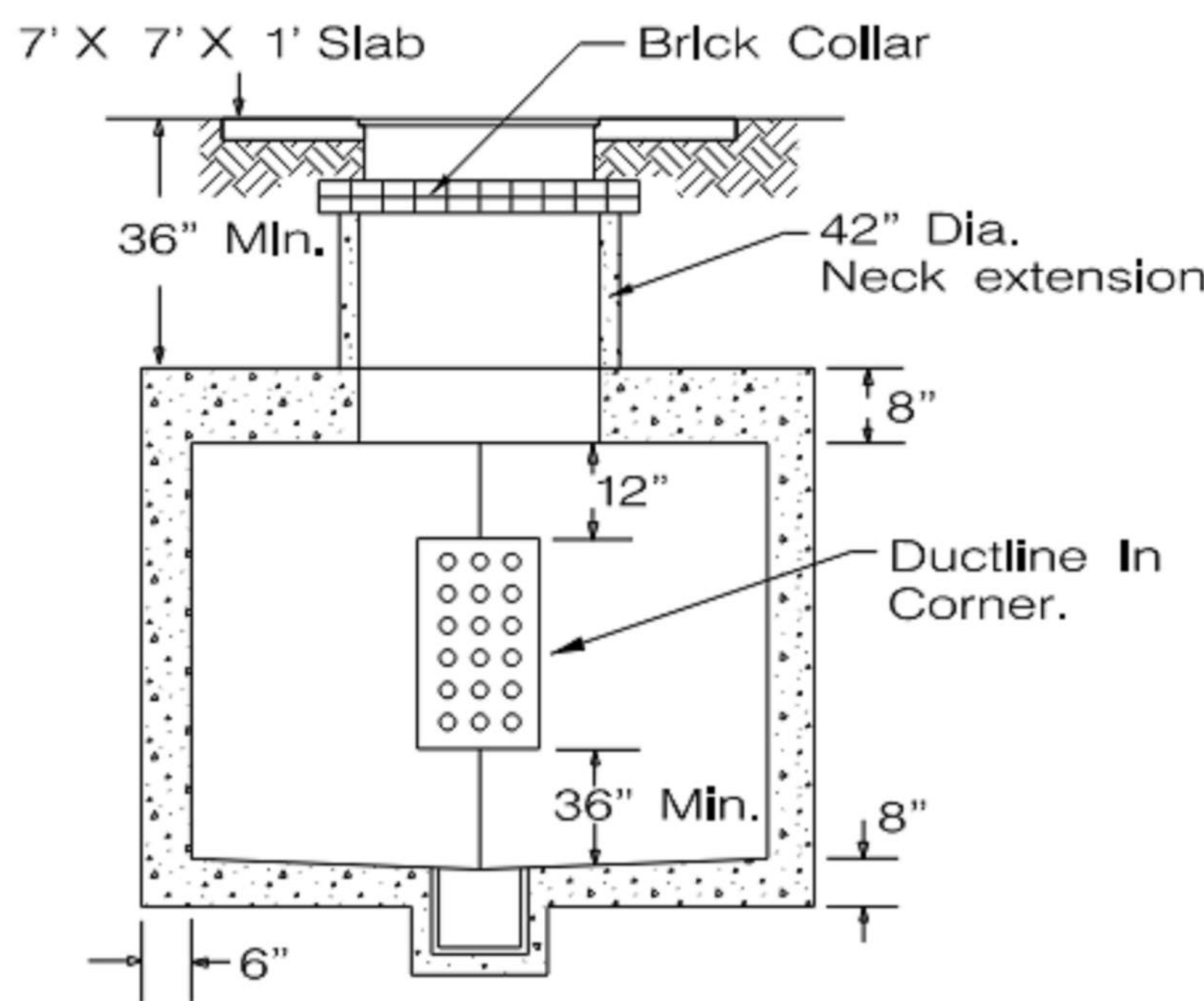
Design Load Shall Be For
H-20 Bridge Loading (See Note Above)



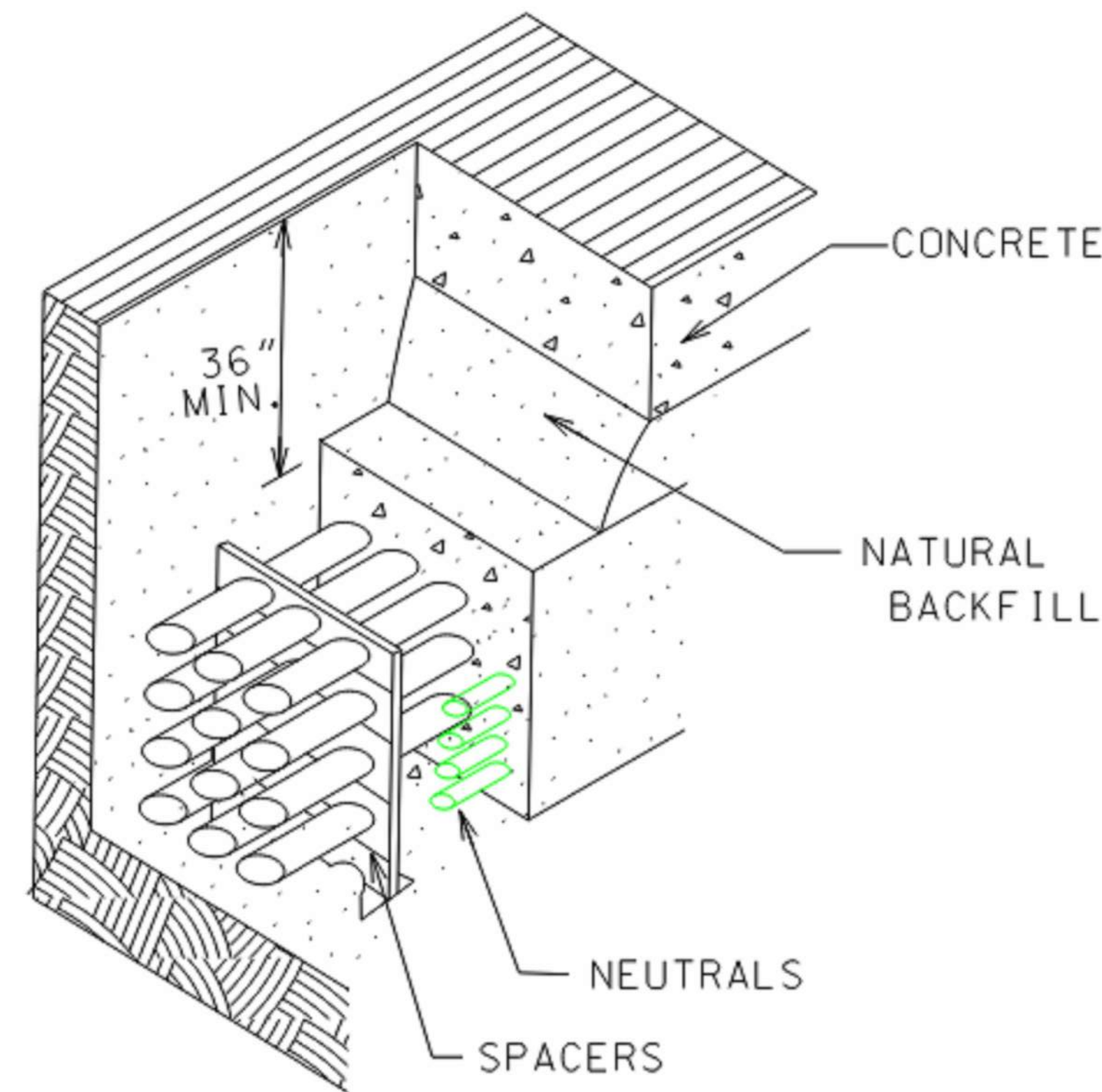
Top View Of Bottom Section



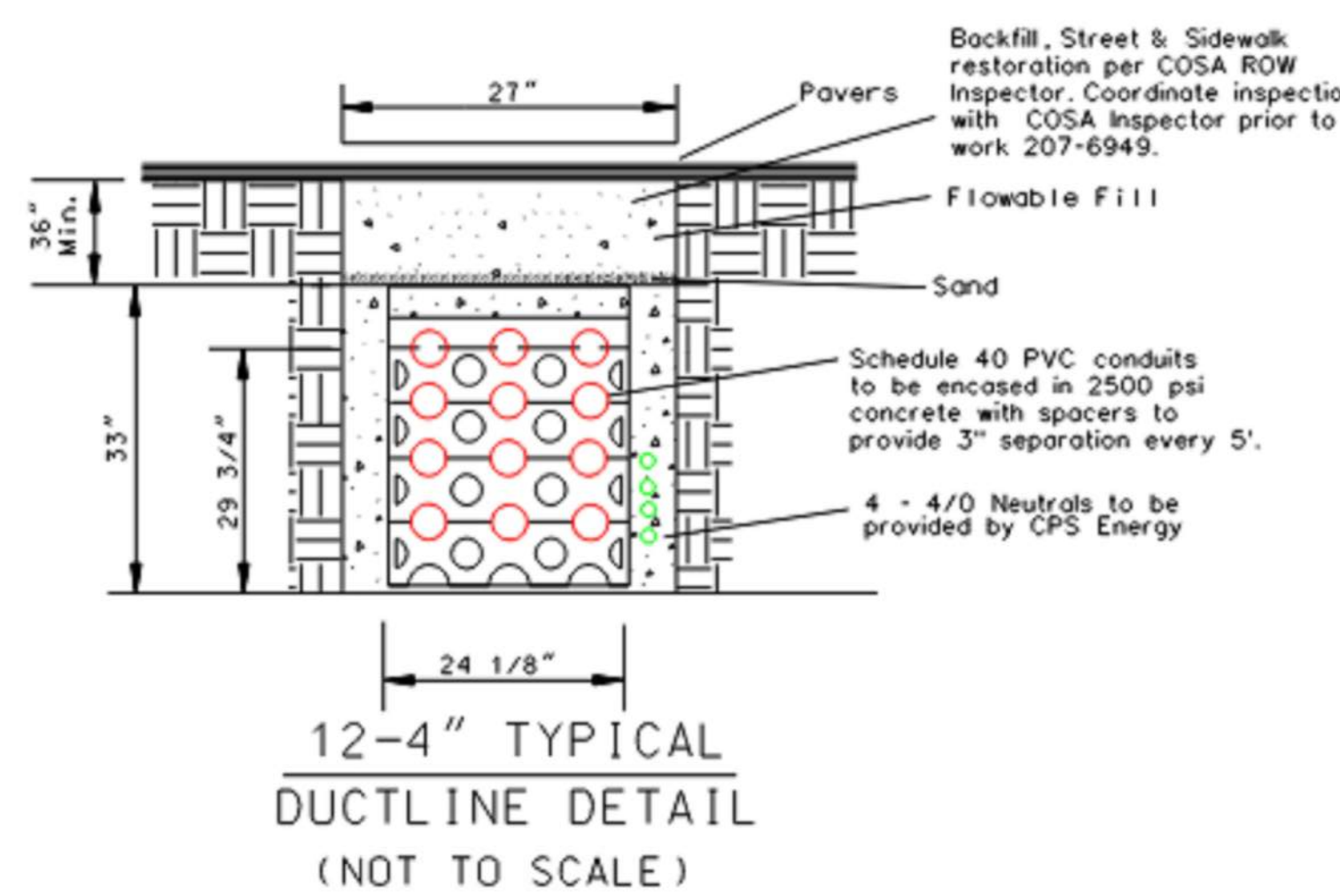
Inside Dimensions



Cross Section View Of Manhole



TYPICAL SECTION



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 AS INDICATED.

MANUFACTURE 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 AS PRECAST SECTIONS.

THE FLOOR WILL HAVE 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 RING AND COVER MARKED "ELECTRIC" (CPS ENERGY TO PROVIDE). THE RING AND COVER SHALL HAVE A 36" DIAMETER OPENING.

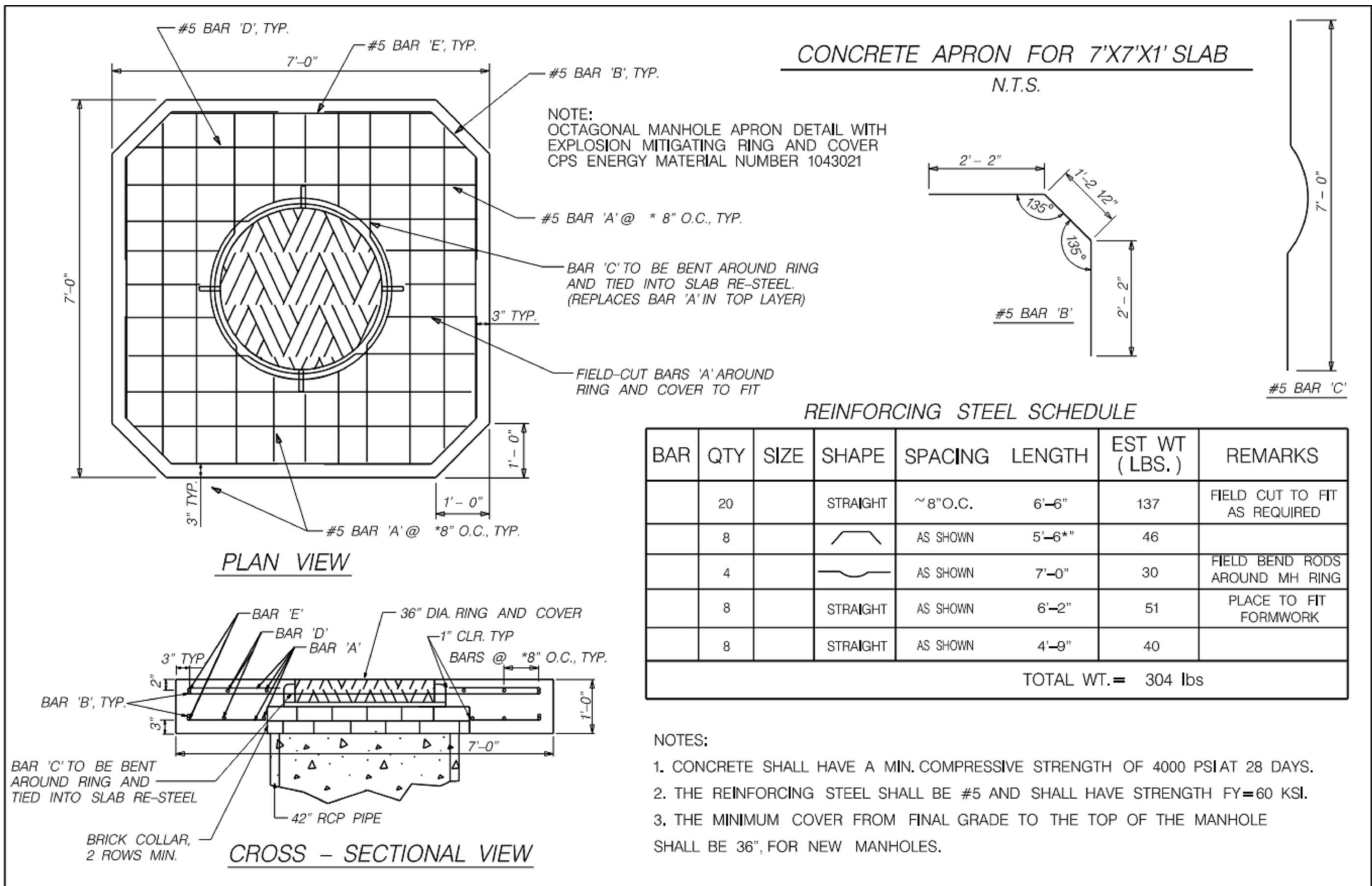
CONTRACTOR SHALL INSTALL A 42" DIAMETER NECK EXTENSION (CPS ENERGY TO PROVIDE), IN ADDITION TO BRICK COLLAR. (PLASTERED AND SEALED) 2 ROWS HIGH MIN. 5 ROWS HIGH MAX. (CPS ENERGY TO PROVIDE), BETWEEN THE ROOF OF THE MANHOLE AND THE BOTTOM OF THE RING AND COVER. THE MINIMUM COVER FROM FINAL GRADE TO TOP OF MANHOLE SHALL BE 36".

CONTRACTOR SHALL INSTALL A 7' X 7' X 1' CONCRETE SLAB AROUND THE RING AND COVER. SEE APRON DETAILS.

CONDUIT ENTERING MANHOLE SHALL HAVE BELL ENDS.

CONTRACTOR SHALL SUPPLY AND INSTALL 300 PSI FLOWABLE FILL AROUND ENTIRE MANHOLE UP TO TOP OF THE NECK.

CONTRACTOR MUST ENSURE MANHOLE IS LEVEL BY STABILIZING FLOOR WITH 4 INCHES OF COMPACTED BASE MATERIAL WHILE PROVIDING A 24" BY 24" SQUARE VOID REQUIRED FOR SUMP PUMP BY USING 2X4 LUMBER.



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Seal / Signature

Date Description

06/19/2024 ISSUE FOR CONSTRUCTION

Project Name

ALAMO SITE - AREA 2C -
PROMENADE

Project Number

122.0076.000

Description

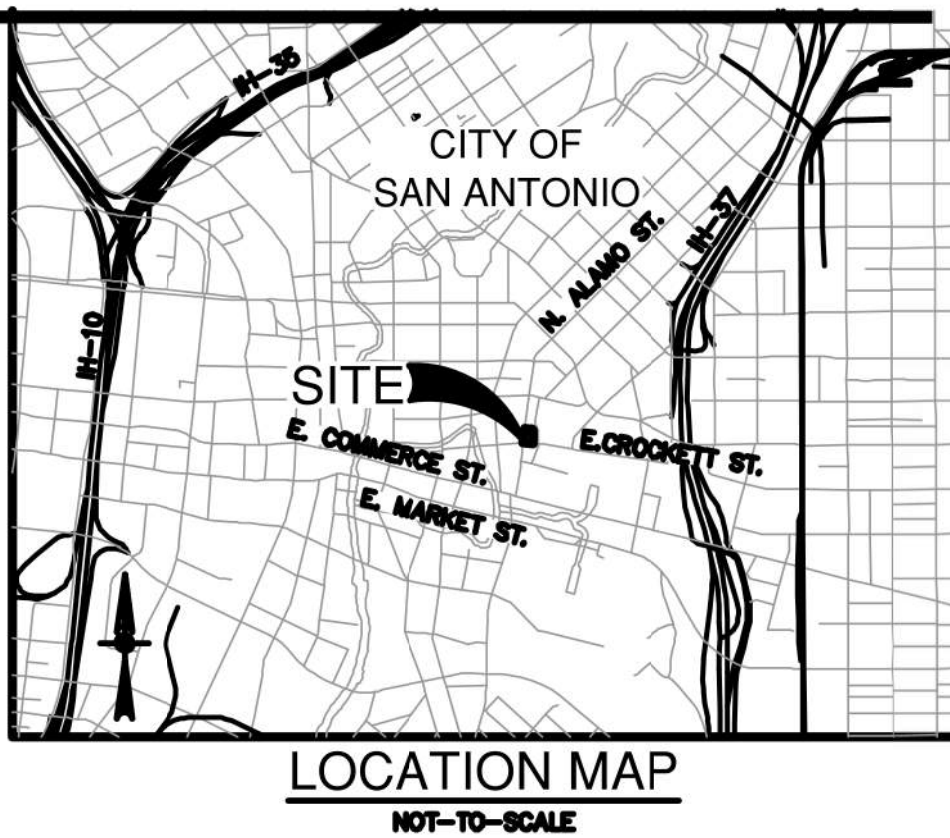
DRY UTILITY PLAN DETAILS

Scale



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C8.10



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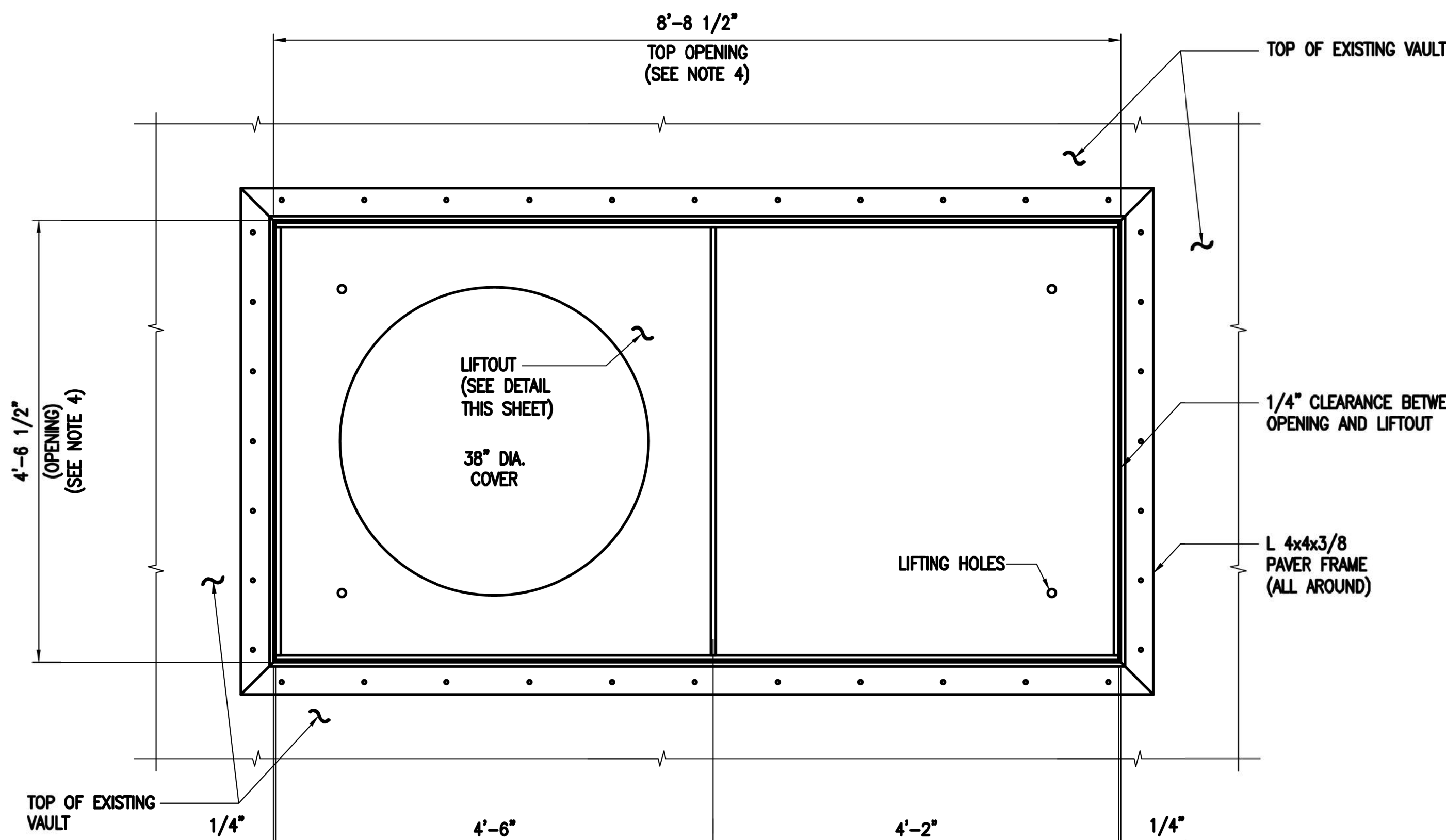
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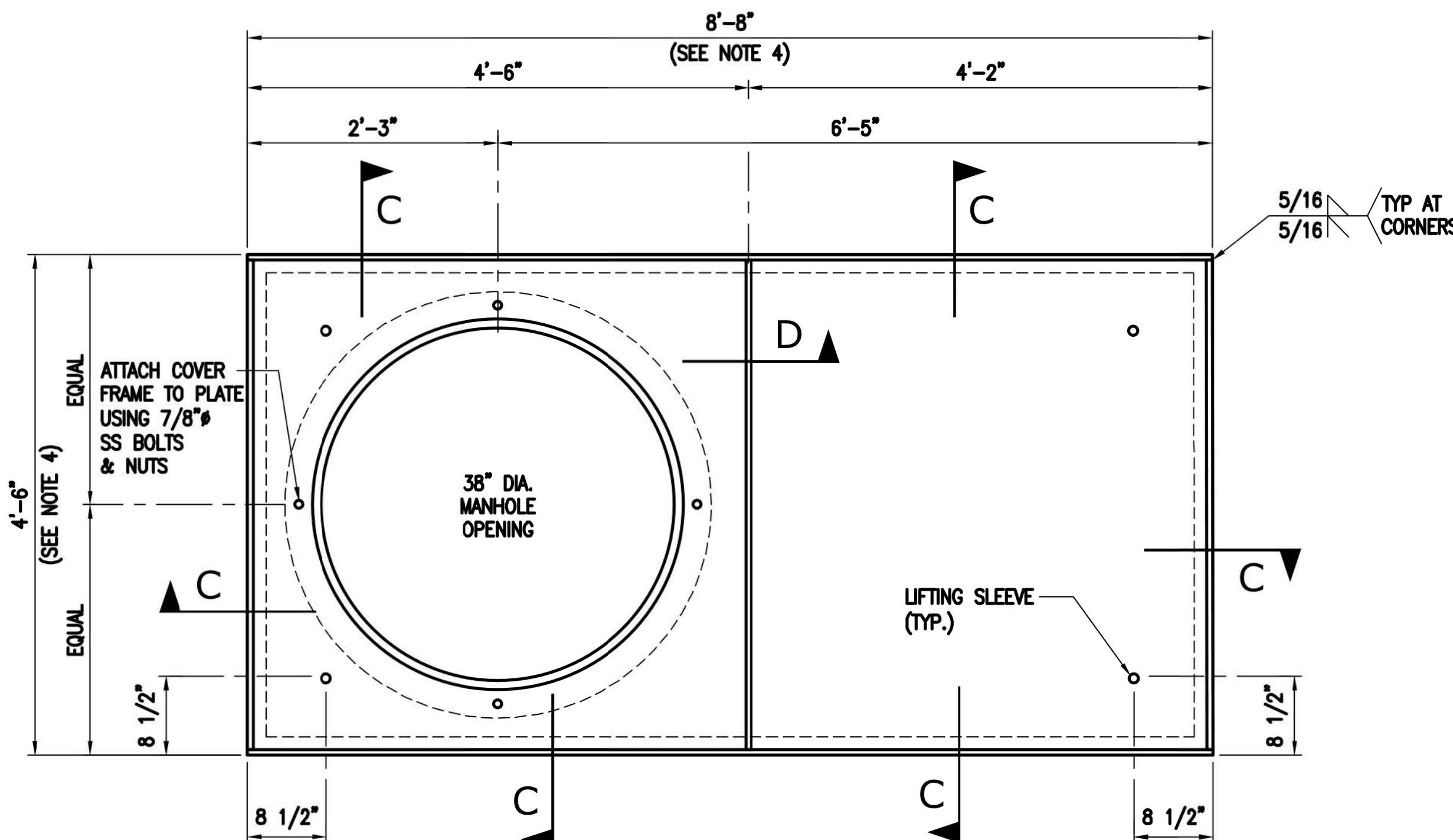
Seal / Signature

Date Description

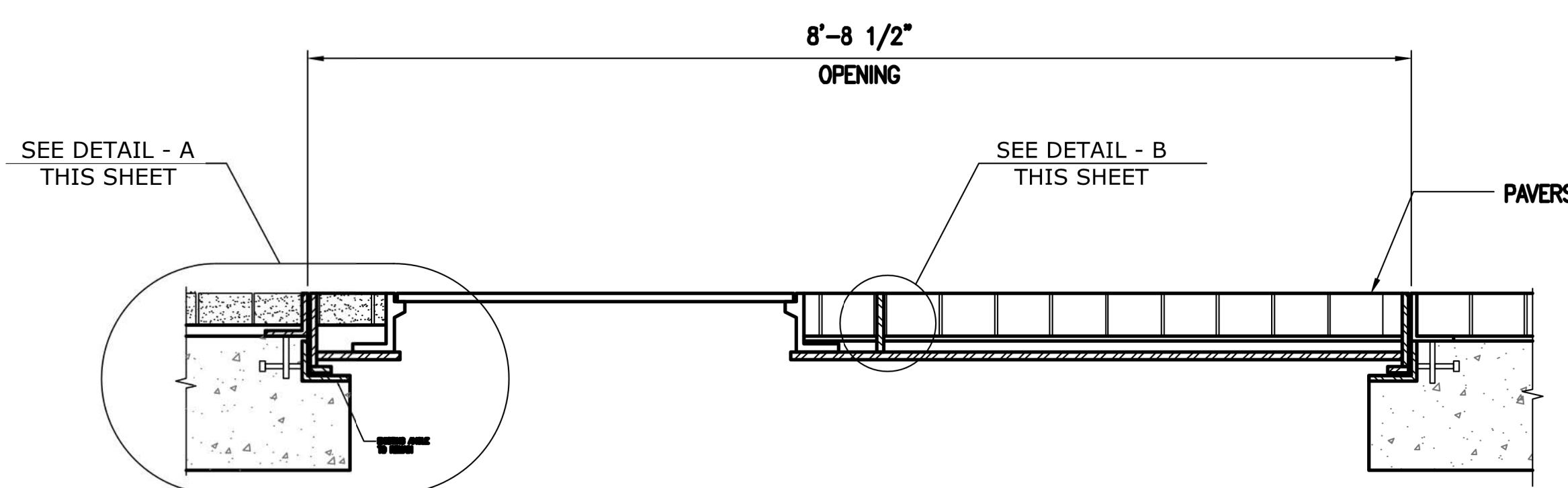
06/19/2024 ISSUE FOR CONSTRUCTION



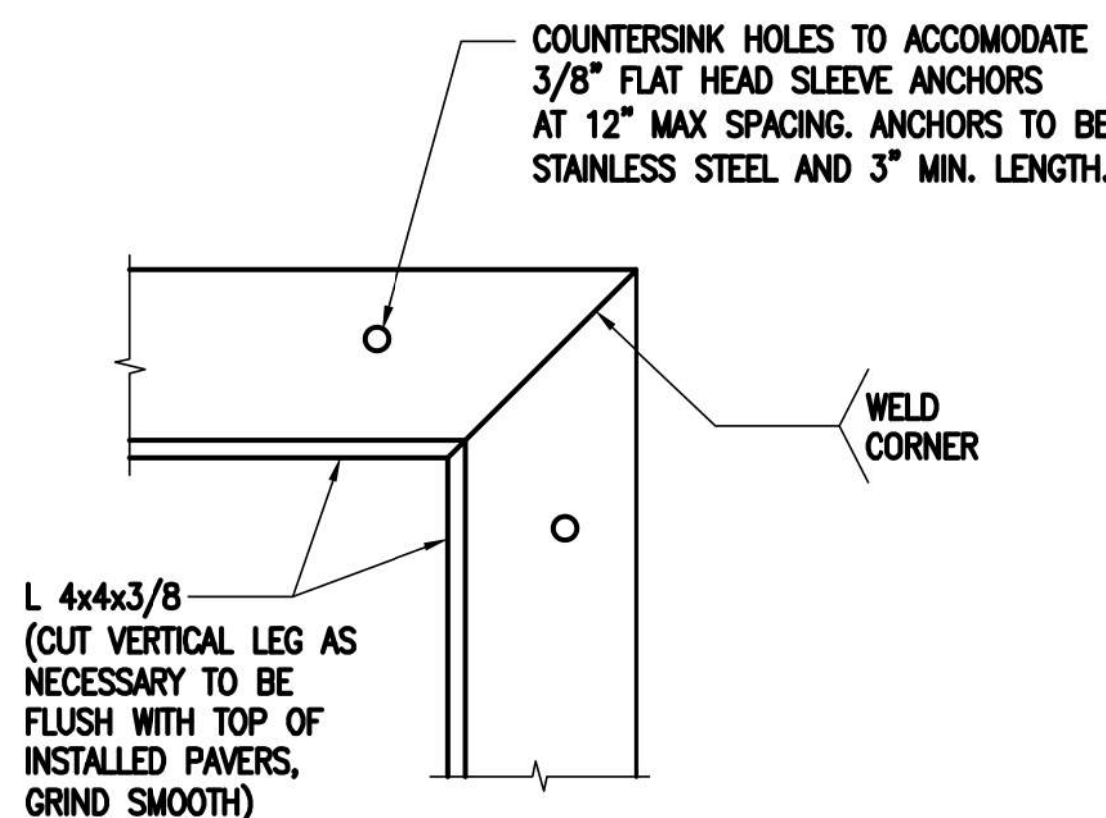
PLAN VIEW



LIFTOUT PLAN
(WITH OPENING)



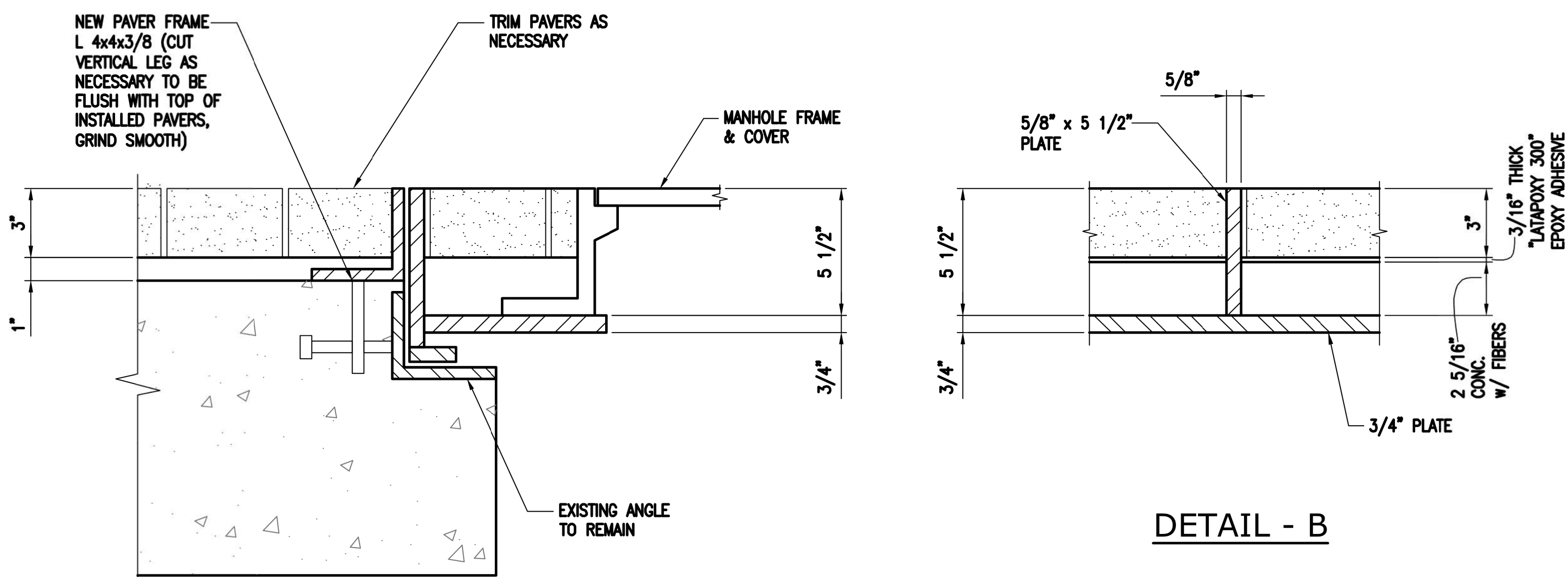
SECTION



PAVER FRAME DETAIL

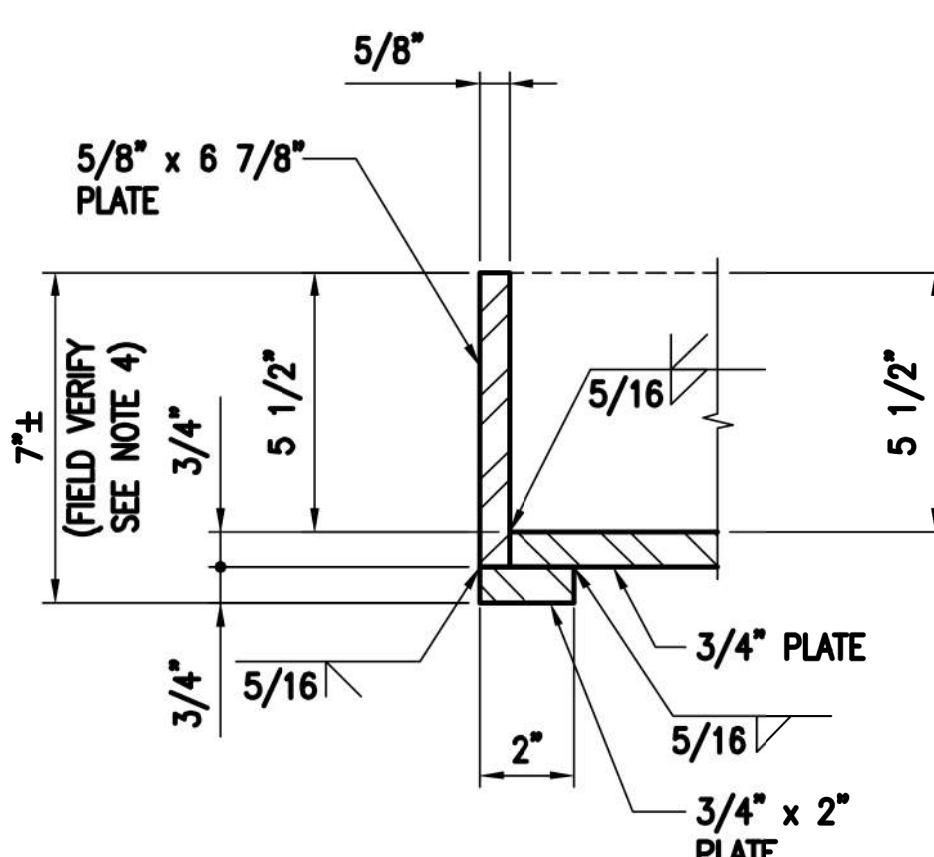
STRUCTURAL NOTES (FOR VAULT LIFTOUT ONLY)

- MODIFIED VAULT LIFTOUT IS DESIGNED FOR DEAD LOADS OF PAVERS AND 150 PSF LIVE LOAD, OR AASHTO H-5 WHEEL LOAD (4,000 LBS).
- EXISTING VAULT ROOF DESIGN LOADING IS UNKNOWN AND MAY BE LESS THAN THE LOAD SHOWN ABOVE.
- APPROXIMATE WEIGHT OF LIFTOUT IS 4,000 LBS. ALL FOUR LIFTING SLEEVES SHOULD BE USED WHEN LIFTING. IF EYE BOLTS ARE USED AS LIFTING ATTACHMENTS, THEY SHOULD HAVE A MINIMUM DIA. OF 1" WITH A MIN. W.L.L. OF 10,000 LBS. A 3/8" THICK X 3" DIA. (OR SQUARE) PLATE WASHER SHOULD BE USED BELOW THE LIFTING SLEEVE.
- FIELD VERIFY ALL DIMENSIONS OF EXISTING VAULT OPENING PRIOR TO ORDERING MATERIALS. LIFTOUT SHALL HAVE 1/4" CLEARANCE ALL AROUND.
- REFER TO ARCHITECTURAL, LANDSCAPE DETAILS FOR ADDITIONAL INFORMATION.
- GALVANIZE ALL STEEL AFTER FABRICATION.
- STEEL MATERIALS:
PLATE - ASTM 572 GR. 50
ANGLES - ASTM A36
- WELD METAL SHALL BE E70XX.
- MANHOLE RING AND COVER SHOWN IS EJCO 3406A V1600-5 EM3 ASSEMBLY, PRODUCT NO. 003406A7A02. SHOP DRAWING SHALL BE PROVIDED BY THE CONTRACTOR SHOWING THE SPECIFIC MAKE AND MODEL OF MANHOLE FRAME AND COVER TO BE APPROVED BY CPS ENERGY. MODIFICATIONS TO THE DETAILS MAY BE NEEDED TO SUIT THE MANHOLE FRAME USED.



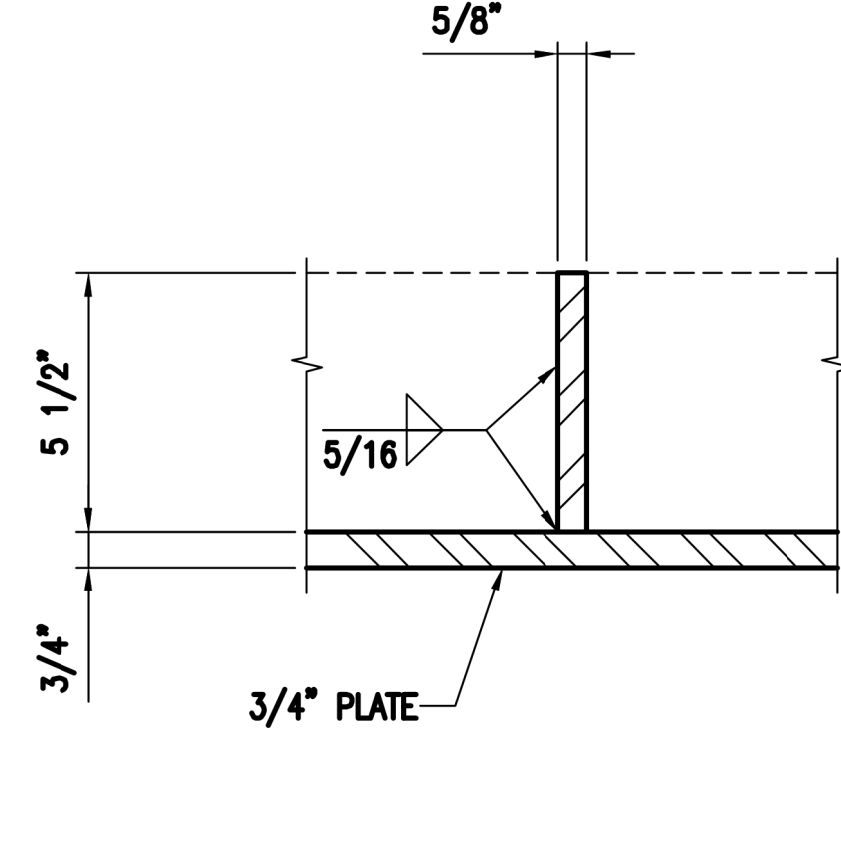
DETAIL - A

DETAIL - B

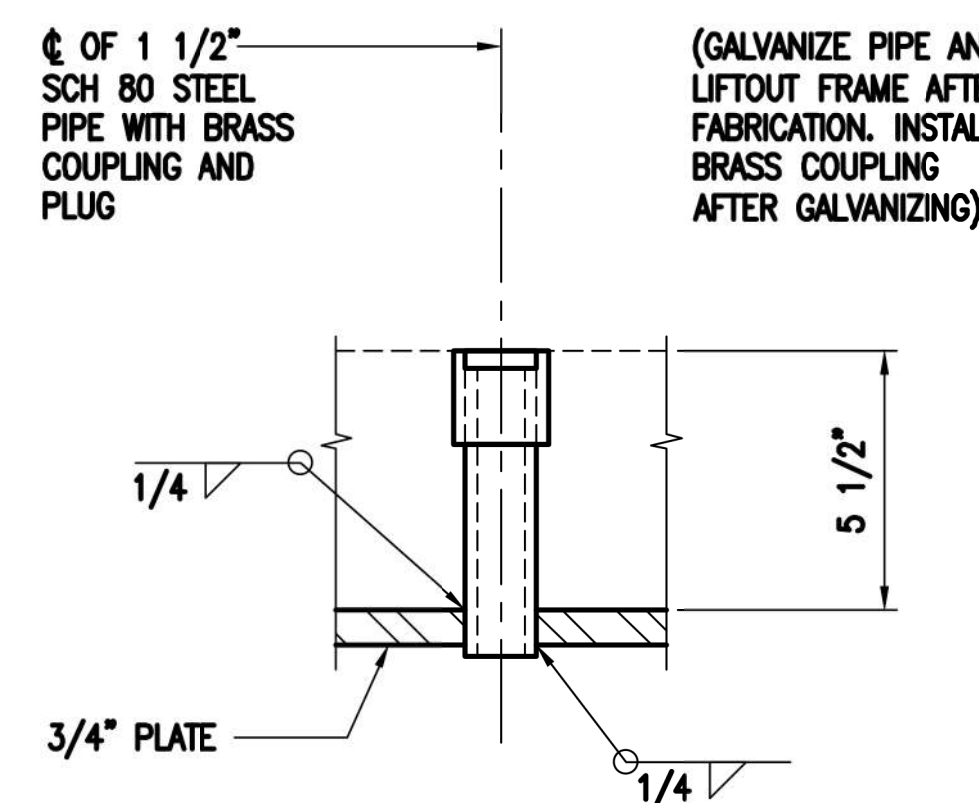


SECTION - C

FABRICATOR MAY PROVIDE AN ALTERNATIVE WELDING DETAIL FOR 3/4" x 2" PLATE IN CASES OF LIMITED WELDING ACCESS.



SECTION - D



LIFTING SLEEVE DETAIL
(SEE NOTE 3 THIS SHEET)

NOTE:
LIFTING SLEEVES ARE DESIGNED TO BE COMPATIBLE WITH THE EJCO'S EJ VAULT LID RETENTION ASSEMBLY. THIS SYSTEM MAY BE INSTALLED IN THE FUTURE BY CPS ENERGY.



Project Name

ALAMO SITE - AREA 2C -
PROMENADE
JOSKE'S
VAULT LID

Project Number

11078-68

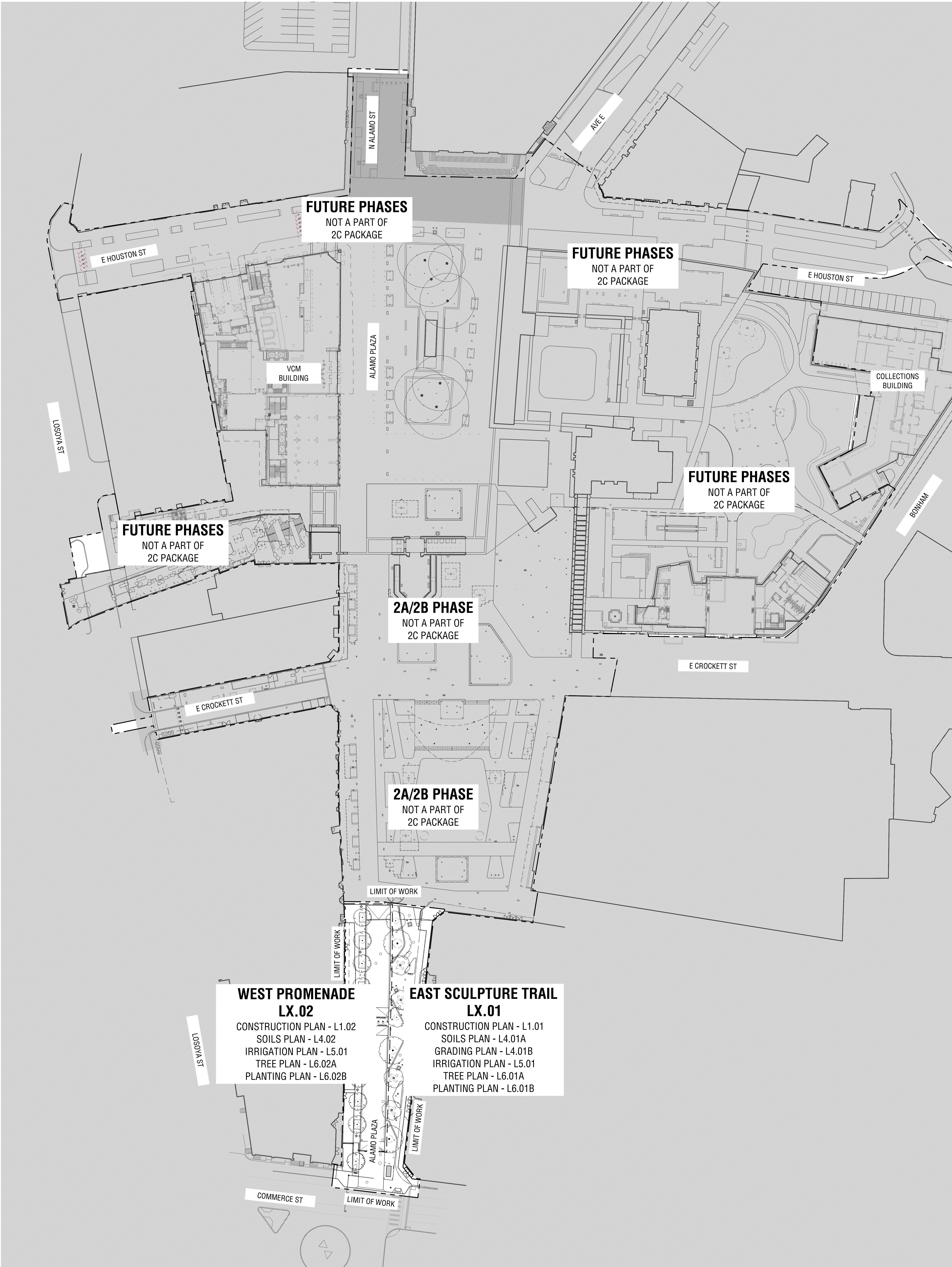
Description

Scale

CS100

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Plotted By: Graphics PH Sheet: East AL-AMO-2C- Alamo Promenade Layout: L0.00 Version: June 18, 2024 08:09:26am Stored: T:\AL-AMO-2C- Alamo Promenade\AL-AMO-SHEETS\AL-AMO-2C-L0-ORIENTATION PLN.dwg

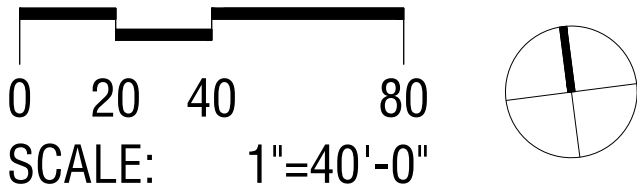


LANDSCAPE SHEET INDEX

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L0.10	TREE PROTECTION LEGEND & NOTES
L0.11	TREE PROTECTION PLAN
L1.00	CONSTRUCTION LEGEND & NOTES
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L1.02	CONSTRUCTION PLAN - WEST PROMENADE
L2.01	SITE SECTIONS
L3.00	CONSTRUCTION DETAILS
L3.01	CONSTRUCTION DETAILS
L3.02	CONSTRUCTION DETAILS
L3.03	CONSTRUCTION DETAILS
L3.04	CONSTRUCTION DETAILS
L3.05	CONSTRUCTION DETAILS
L4.01A	SOILS PLAN - EAST SCULPTURE TRAIL
L4.01B	GRADING PLAN - EAST SCULPTURE TRAIL
L4.02	SOILS PLAN - WEST PROMENADE
L4.50	SOILS DETAILS
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L6.00	PLANTING LEGEND & NOTES
L6.01A	TREE PLANS - EAST SCULPTURE TRAIL
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L6.02A	TREE PLANS - WEST PROMENADE
L6.02B	PLANTING PLANS - WEST PROMENADE
L7.01	PLANTING DETAILS
L7.02	PLANTING DETAILS

GENERAL NOTES

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE FAMILIAR WITH AND TO LOCATE ALL EXISTING SITE CONDITIONS, STRUCTURES AND UNDERGROUND UTILITIES, PIPES, AND OTHER SUBSTRUCTURES, AND TO PROTECT THEM FROM DAMAGE. THE EXPENSE OF REPAIR, BODY INJURY OR REPLACEMENT OF SAID SUBSTRUCTURES INCLUDING DAMAGE TO THE OWNER'S PROPERTY SHALL BE BORNE BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR CONTRACTING ALL UTILITIES COMPANIES TO VERIFY EXISTING CONDITIONS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL REPAIR, AT HIS OWN EXPENSE, ALL DAMAGE RESULTING FROM HIS OPERATIONS OR NEGLIGENCE.
- 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.
- LOCATION AND ELEVATION OF ALL EXISTING IMPROVEMENTS WITHIN AND ADJACENT TO THE AREA OF WORK PERFORMED BY THE CONTRACTOR SHALL BE CONFIRMED BY FIELD MEASUREMENT AND VERIFICATION OF FIELD CONDITIONS PRIOR TO EXCAVATION AND CONSTRUCTION OF NEW WORK. EXTREME CARE SHALL BE EXERCISED IN EXCAVATION AND WORKING NEAR EXISTING STRUCTURES AND UTILITIES. REFER TO CIVIL DRAWING FOR GENERAL REFERENCE. CONTRACTOR WILL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND UTILITIES, PIPES AND OTHER SUBSTRUCTURES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS, DETAILS AND SPECIFICATIONS IF REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATION IN THE FIELD. 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 IMMEDIATELY REPORTED TO THE RESIDENT ENGINEER.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO ENFORCE SAFETY MEASURES OR REGULATIONS.
- IN AN EMERGENCY THREATENING THE SAFETY OF LIFE, WORK OR ADJOINING PROPERTY, THE CONTRACTOR IS HEREBY INSTRUCTED TO ACT AT HIS DISCRETION TO PREVENT SUCH LOSS OR INJURY.
- ANY CONFLICTING INFORMATION SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE AND OWNER OR THE OWNER IS AUTHORIZED REPRESENTATIVE. THE DRAWINGS FORM PART OF THE DOCUMENTS TO THE EXTENT STATED. WHERE DIFFERENCES EXIST BETWEEN CODES, STANDARDS, AUTHORITIES HAVING JURISDICTION, AND THE DOCUMENTS, THE ONE AFFORDING THE GREATEST PROTECTION AND/OR STRINGENT CONDITION SHALL APPLY.
- DO NOT WILLFULLY PROCEED WITH CONSTRUCTION OF DESIGN WHEN CONFLICTS AND/OR UNKNOWN OBSTRUCTIONS AND/OR GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE AND OWNER. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF THE SUBCONTRACTOR'S SCOPE OF WORK. CONTRACTOR SHALL COORDINATE CONSTRUCTION WITH OTHER TRADES WORKING ON THE SITE SIMULTANEOUSLY.
- CONTRACTOR SHALL NOTIFY OWNER'S AUTHORIZED REPRESENTATIVE A MINIMUM OF 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF WORK TO COORDINATE PROJECT INSPECTION SCHEDULES.
- CONTRACTOR IS RESPONSIBLE FOR SETTING GRADES ON ALL HARD AND SOFT SURFACES. CONTRACTOR SHALL BE RESPONSIBLE FOR POSITIVE DRAINAGE FROM HARD SURFACES FOR THIS PROJECT.
- ALL MATERIALS SHALL BE OF SPECIFIED, APPROVED AND FIRST GRADE QUALITY AND SHALL BE IN PRIME CONDITION WHEN INSTALLED AND ACCEPTED. ANY COMMERCIALY PROCESSED OR PACKAGED MATERIAL SHALL BE DELIVERED TO THE SITE IN THE ORIGINAL UNOPENED PACKAGING BEARING THE MANUFACTURER'S GUARANTEED ANALYSIS.
- THE CONTRACTOR AGREES, TO THE EXTENT PERMITTED BY LAW, TO INDEMNIFY AND HOLD HARMLESS THE AUTHORITIES HAVING JURISDICTION AND DESIGN TEAM ANY CLAIMS ARISING OUT OF HIS OPERATIONS OR THE OPERATIONS OF ANY OF HIS SUBCONTRACTORS, MATERIALS SUPPLIERS, OR AGENTS.
- THE CONTRACT DRAWINGS DO NOT INDICATE METHODS, PROCEDURES, OR SEQUENCE OF CONSTRUCTION. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO MAINTAIN THE INTEGRITY OF STRUCTURES DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN, CONSTRUCTION, AND MAINTENANCE OF ALL SAFETY DEVICES, INCLUDING SHORING AND BRACING.
- 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 THE PROJECT SPECIFICATIONS AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR THE ENFORCEMENT OF FEDERAL AND MUNICIPAL OCCUPATIONAL SAFETY AND HEALTH REGULATIONS AND REQUIREMENTS.



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Date Description

06/19/2024 ISSUE FOR CONSTRUCTION

Project Name

ALAMO SITE - AREA 2C -
PROMENADE

Project Number

122.0076.202

Description

ORIENTATION PLAN

Scale

1" = 40'-0"

L0.00

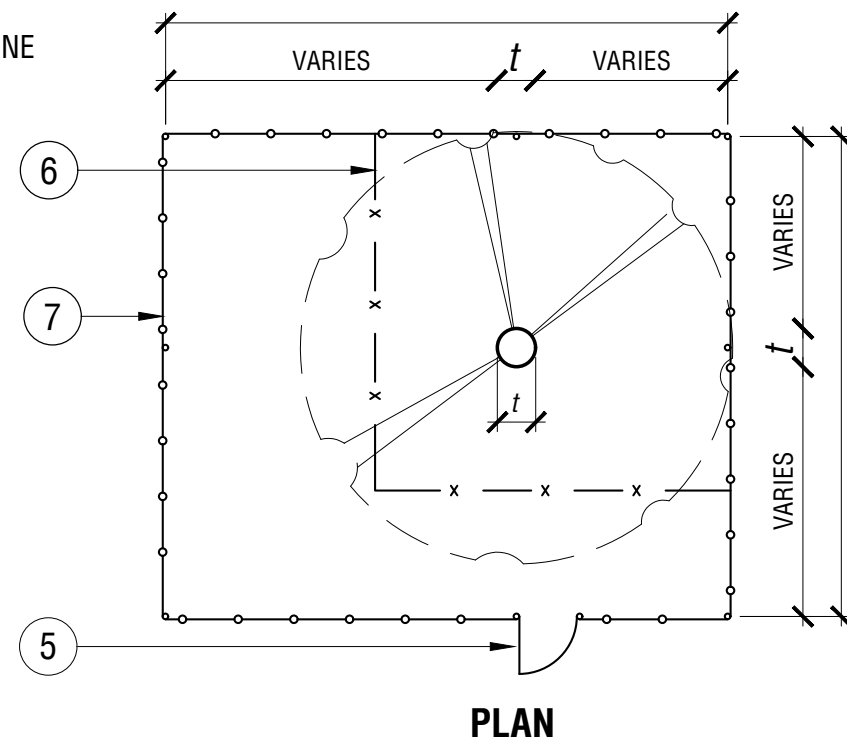
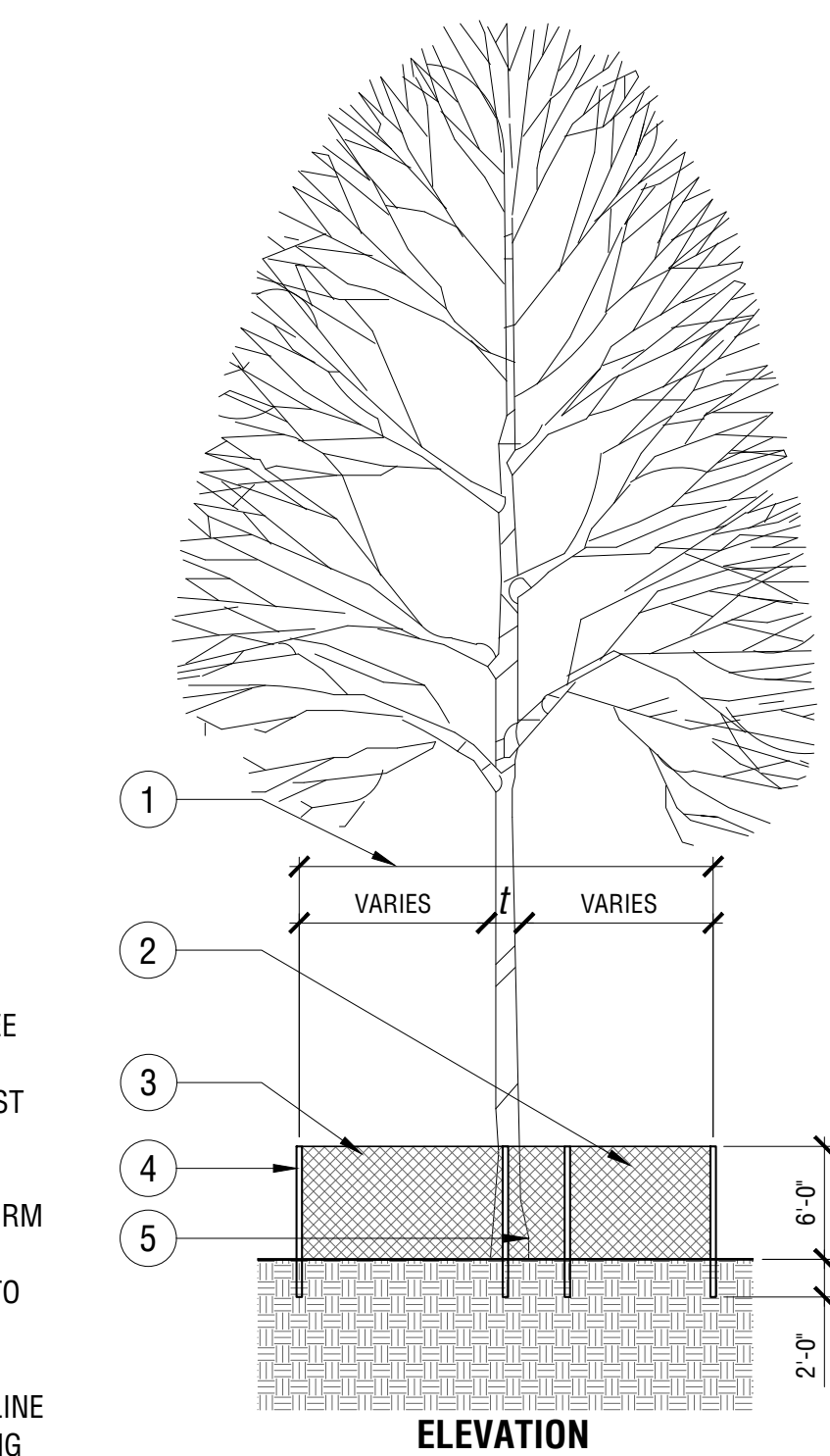
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- 1 RE PLANS, DIMENSION SHOWN ON PLAN OR IF NO DIMENSION SHOWN, EXTENTS OF DRIPLINE
- 2 TIE OVERLAPPING ENDS W/ METAL FASTENERS
- 3 6" HIGH CHAIN LINK FENCING
- 4 METAL POSTS DRIVEN INTO GRADE 2'-POSTS AS REQUIRED, 8'-O" O.C. MAX
- 5 GATE FOR ACCESS
- 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.

t = TRUNK DIAMETER

SCALE: 1" = 10'



TREE PROTECTION FENCING

TREE PRESERVATION SCHEDULE

TREE TAG NUMBER (CURRENT 2023)	PREVIOUS TREE NUMBER (2016 TREE SURVEY)	LATIN NAME	COMMON NAME	DBH (IN.)	SIGNIFICANT PRESERVED	SIGNIFICANT TRANSPLANTED	SIGNIFICANT REMOVED	HERITAGE PRESERVED	HERITAGE REMOVED	STREET PRESERVED	STREET REMOVED	COMMENTS
153	143	Quercus rubra	RED OAK	13						13		MITIGATION REQUIRED: STREET: 36.5' EXISTING ACTUAL STREET PRESERVED: 36.5' TOTAL MITIGATION REQUIRED: 0'
154	142	Quercus rubra	RED OAK	12						12		
155	141	Quercus rubra	RED OAK	11.5						11.5		
TOTALS				36.5	0	0	0	0	0	36.5	0	

TREE PROTECTION NOTES

NOTE: GUIDELINES PER PRELIMINARY ARBORIST REPORT PROVIDED BY CERTIFIED CONSULTING ARBORIST (CCA): BARTLETT TREE EXPERTS. CONTACT ZACHARY POWERS, 704.566.1503

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 UNINCLUDING 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 ANSI 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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Seal / Signature



Date Description

06/19/2024 ISSUE FOR CONSTRUCTION

Project Name

ALAMO SITE - AREA 2C -
PROMENADE

Project Number

122.0076.202

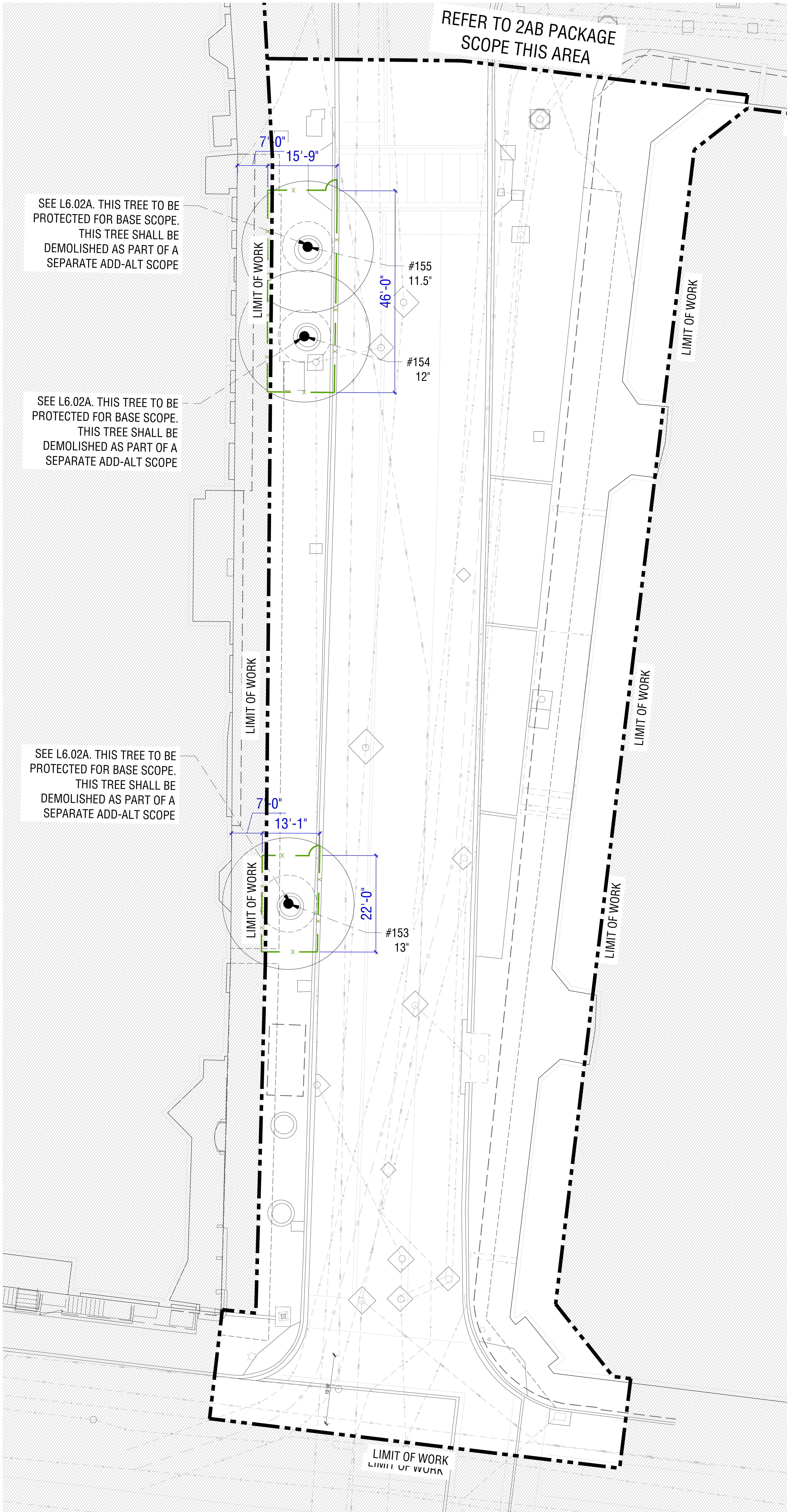
Description

TREE PROTECTION LEGEND & NOTES

Scale

L0.10

Plotted By: Graphics PH Sheet Edit: AL-AMO-2C - Alamo Promenade Layout: L0.11 Version: June 18, 2024 08:09:23am Stored: T:\AL-AMO-Plans\Visual Center\AL-AMO-SHEETS\AL-AMO-2C-LO-TREE PROTECTION PLANS.dwg



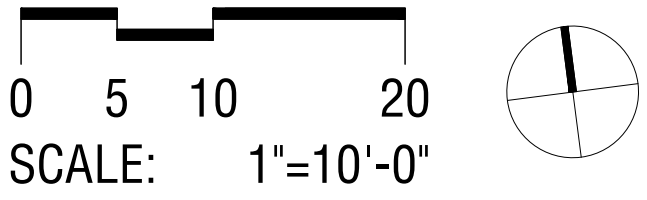
TREE PROTECTION SCHEDULE

SYMBOL	DESCRIPTION	COMMENTS
	TREE TO BE PROTECTED IN PLACE	RE: SPECIFICATION 01 56 38 FOR ADDITIONAL INFORMATION
	TEMPORARY TREE PROTECTION FENCING	EXISTING SITE ELEMENTS ONLY
	TREE PROTECTION ZONE	RE: PROJECT CERTIFIED CONSULTING ARBORIST FOR ADDITIONAL INFORMATION

TREE	LATIN NAME	COMMON NAME	ACTION
153	Quercus rubra	RED OAK	PRESERVED
154	Quercus rubra	RED OAK	PRESERVED
155	Quercus rubra	RED OAK	PRESERVED

ROOT PROTECTION ZONE NOTES

- REFERENCE DETAIL SHEET L6.10 FOR TREE PROTECTION NOTES AND DETAILS. REFERENCE THIS PROTECTION SPECIFICATION SECTION 01 56 38.
- CONFIRM EXTENTS OF ALL ROOT PROTECTION ZONES WITH LANDSCAPE ARCHITECT AND ARBORIST PRIOR TO GRUBBING AND ROOT PRUNING. NOTIFY LANDSCAPE ARCHITECT OF ANY CONFLICTS BETWEEN ROOT PROTECTION ZONE AND EXTENT OF DEMOLITION.
- REFERENCE TREE PROTECTION PLANS AND CONSTRUCTION PLANS TO LOCATE ROOT PROTECTION ZONES. COORDINATE ROOT PROTECTION ZONE AVOIDANCE SYSTEMS WITH CONSTRUCTION PLANS AND CONSTRUCTION DETAILS. NOTIFY LANDSCAPE ARCHITECT AND PROJECT ENGINEER THROUGH THE ARBORIST OF ANY CONFLICT PRIOR TO SITE WORK WITHIN ROOT PROTECTION ZONES.



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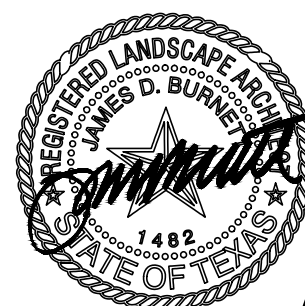
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Date Description

06/19/2024 ISSUE FOR CONSTRUCTION

Project Name

ALAMO SITE - AREA 2C -
PROMENADE

Project Number

122.0076.202

Description

TREE PROTECTION PLANS

Scale

1" = 10'-0"

L0.11

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EXISTING ELEMENTS TO REMAIN									
EXIST	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-01	EXISTING TREE TO REMAIN	01.02 / L0.10	01 56 39	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 PROPHORATION 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-02	EXISTING TRAFFIC POLE LIGHT TO REMAIN	RE: CIVIL	-	-	-	-	-		
EX-03	EXISTING 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-04	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 CIVIL ENGINEER AND LANDSCAPE ARCHITECT. REFERENCE CIVIL ENGINEER'S DEMOLITION PLANS FOR ADDITIONAL INFORMATION.	

CONSTRUCTION NOTES:

- CONTRACTOR RESPONSIBLE FOR VERIFYING QUANTITIES FOR ALL MATERIALS, FIXTURES, FURNISHINGS, ETC. QUANTITIES ARE PROVIDED HERE FOR REFERENCE ONLY.
- 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.
- 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.
- CONTRACTOR TO PROTECT ALL HARDSCAPE IN PLACE ONCE CONSTRUCTED, AND TO REPLACE ANY DAMAGED OR CRACKED STONE DURING THE COURSE OF CONSTRUCTION.
- CONTRACTOR RESPONSIBLE FOR COORDINATION OF ALL MEP AND IRRIGATION SLEEVING BENEATH AND THROUGH HARDSCAPE.
- 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:

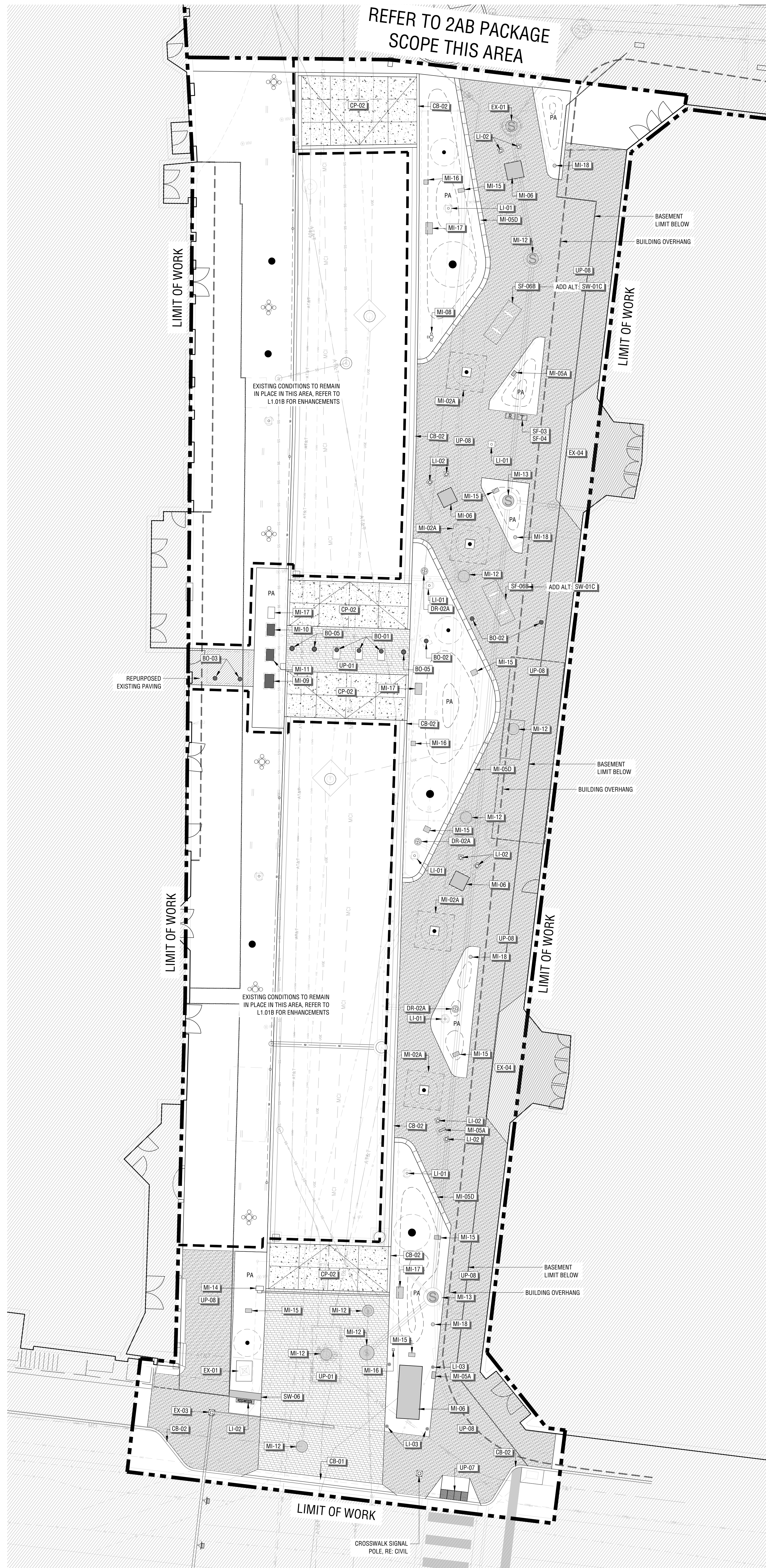
- CONTRACTOR SHALL VERIFY EXISTING CONDITIONS, LAYOUT COORDINATES, AND WORK FROM PREVIOUS AND ONGOING CONTRACTS IN THE FIELD. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT FOR DIRECTION IMMEDIATELY BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
- CONTRACTOR SHALL REQUEST A FIELD REVIEW BY THE LANDSCAPE ARCHITECT OR OWNER'S AUTHORIZED REPRESENTATIVE OF THE LAYOUT OF ALL ELEMENTS, AS SHOWN. CONTRACTOR SHALL STATE ALL LOCATIONS AND OBTAIN APPROVAL FROM THE LANDSCAPE ARCHITECT PRIOR TO THE COMMENCEMENT OF WORK.
- 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 STATE ALL LOCATIONS AND OBTAIN APPROVAL FROM THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- 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.
- CONTRACTOR SHALL COORDINATE ALL LAYOUT WORK POINTS, MONUMENTS, GRID LINES, AND CONTROLS, AMONG ALL TRADES, SPECIFICALLY, BUT NOT LIMITED TO, SITE FORMATION, PLANTWORK, AND WALL WORK.
- 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.
- CONTRACTOR SHALL ERECT AND INSTALL ALL WORK LEVEL, PLUMB, SQUARE, TRUE, STRAIGHT, AND IN PROPER ALIGNMENT.
- CONTRACTOR SHALL NOT SCALE DRAWINGS; CONTRACTOR SHALL USE DIMENSIONS SHOWN.
- NO DIMENSIONS ARE ADJUSTABLE WITHOUT THE REVIEW AND APPROVAL OF LANDSCAPE ARCHITECT UNLESS NOTED (+/-) FV (FIELD VERIFY).
- SIMILAR (SIM) MEANS COMPARABLE CHARACTERISTICS FOR THE CONDITIONS NOTED. CONTRACTOR SHALL VERIFY DIMENSIONS AND ORIENTATION ON THE PLANS AND ELEVATIONS.
- DIMENSIONS NOTED CLEAR (CLR) MUST BE STRICTLY MAINTAINED ALLOWING FOR THICKNESS OF ALL FINISHES. CONTRACTOR SHALL FIELD VERIFY (FV) PRIOR TO CONSTRUCTION.
- TYPICAL (TYP) MEANS IDENTICAL FOR ALL CONDITIONS UNLESS OTHERWISE NOTED.
- ALIGN MEANS ACCURATELY LOCATE FINISH FACES IN THE SAME PLANE.
- EXISTING (EX) MEANS THAT INDICATED FEATURE EXISTS AT TIME OF INSTALLATION AND SHALL BE PROTECTED IN PLACE.
- ALL ANGLES ARE ASSUMED TO BE 90 DEGREES UNLESS OTHERWISE NOTED.
- 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.

PAINTING NOTES:

- CONTRACTOR RESPONSIBLE FOR PROVIDING PAINT DRAWDOWN MOCK-UP TO BE REVIEWED ON-SITE WITH LANDSCAPE ARCHITECT, ARCHITECT, AND OWNER'S REPRESENTATIVE.
- CONTRACTOR SHALL COORDINATE COLOR SELECTIONS PRIOR TO MOCK-UP. NO LESS THAN FIVE (5) COLOR OPTIONS TO BE SELECTED BY LANDSCAPE ARCHITECT FOR DRAWDOWN.
- FINAL PAINT COLOR SELECTIONS TO BE MADE AFTER FIELD REVIEW OF CONTRACTOR PROVIDED OPTIONS.

CONSTRUCTION SCHEDULE

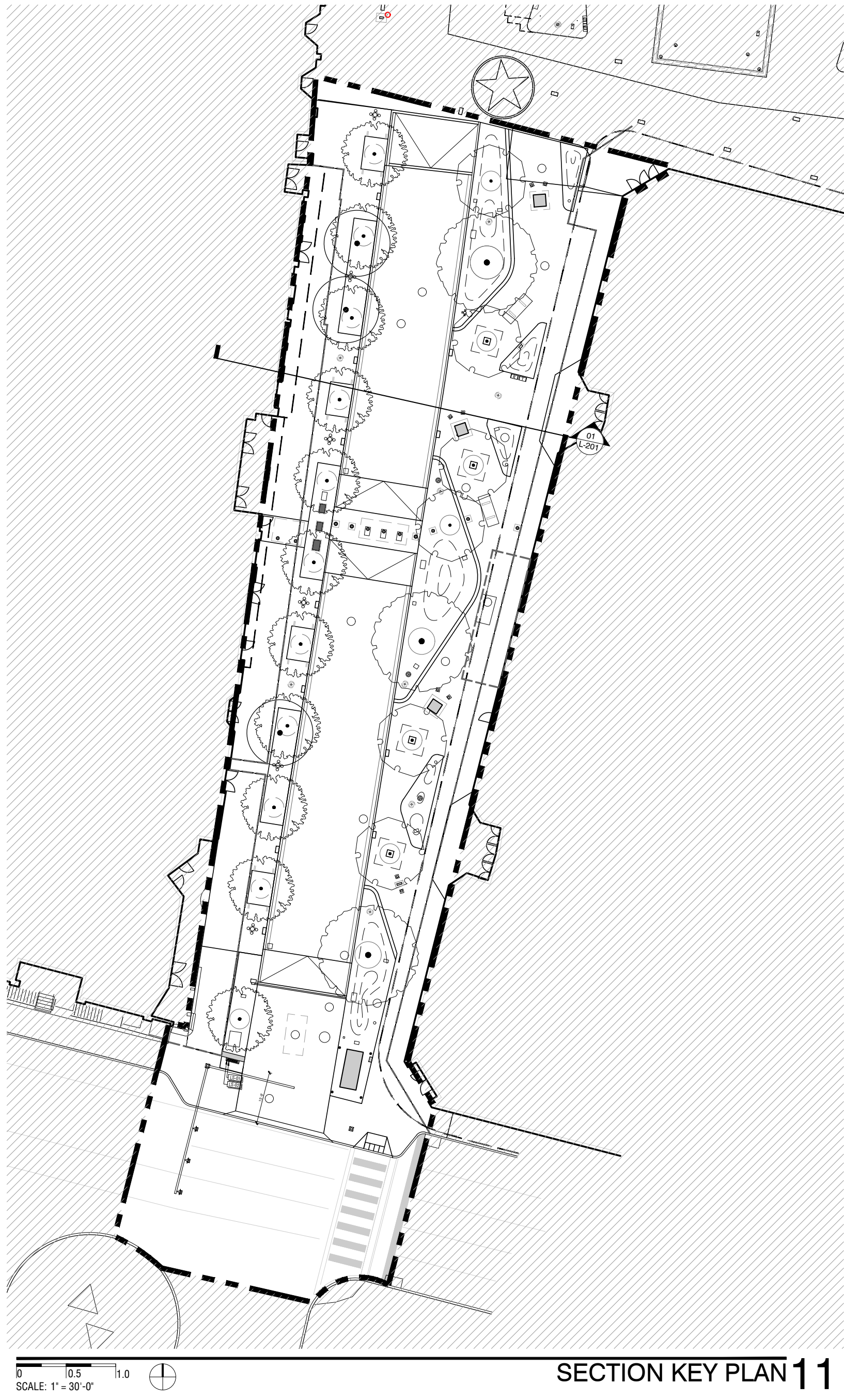
SYMBOL	DESCRIPTION	DETAIL	SPECIFICATION	MANUF. / MODEL	MATERIAL	FINISH	COLOR	COMMENTS	
CONCRETE CURBS									
CE-01	CONCRETE ROLLED CURB (TYPE 1)	10 / C1.40	RE: CIVIL	NATURAL GREY CONCRETE TO MATCH COSA STANDARD	TO MATCH COSA STANDARD CONCRETE	TO MATCH COSA STANDARD CONCRETE	TO MATCH COSA STANDARD CONCRETE	TO MATCH COSA STANDARD CONCRETE. REFER TO CIVIL ENGINEER PLANS FOR ADDITIONAL INFORMATION.	
CE-02	CONCRETE CURB (TYPE 2)	09 10 / L3.00	32 13 14	NATURAL GREY CONCRETE TO MATCH COSA STANDARD	TO MATCH COSA STANDARD CONCRETE	TO MATCH COSA STANDARD CONCRETE	TO MATCH COSA STANDARD CONCRETE	TO MATCH COSA STANDARD CONCRETE. REFER TO CIVIL ENGINEER PLANS FOR ADDITIONAL INFORMATION.	
CONCRETE PAVING									
CE-03	NOT USED THIS PACKAGE	-	-	-	-	-	-	-	
CE-04	CONCRETE PAVING, TYPE 2	07.12 / L3.00	32 13 14	NATURAL GREY CONCRETE TO MATCH COSA STANDARD	TO MATCH COSA STANDARD CONCRETE	TO MATCH COSA STANDARD CONCRETE	TO MATCH COSA STANDARD CONCRETE	TO MATCH COSA STANDARD CONCRETE. REFER TO CIVIL ENGINEER FOR ADDITIONAL INFORMATION.	
CONCRETE UNIT PAVING									
CE-05	CONCRETE UNIT PAVING, TYPE 1	01.03.07 / L3.00 01 / L3.01	32 14 00	HANOVER #89-1914	3" THICK PRECAST CONCRETE UNIT PAVING SIZE: 6"x12" NOMINAL	SEALED, GROUND FLOOR FINISH NO BEVEL, SQUARE EDGE, 1/32" RUNNING BOND PATTERN	TO MATCH CONTROL SAMPLE #89-1914 BOLDIRON TAN JOINT SAND	SAND SET ON CONCRETE SUB-SLAB WITH 1 1/2" POLYMERIC SAND 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.	
CE-06	NOT USED THIS PACKAGE	-	-	-	-	-	-	-	
CE-07	NOT USED THIS PACKAGE	-	-	-	-	-	-	-	
CE-08	NOT USED THIS PACKAGE	-	-	-	-	-	-	-	
CE-09	CONCRETE UNIT PAVING, TYPE 4 EV ENGRAVED PAVES	04 / L3.00 03 / L3.01	32 14 00	HANOVER #H1914	2.5" THICK PRECAST CONCRETE UNIT PAVES SIZE: 12"x24" NOMINAL	SEALED, TO MATCH CONTROL SAMPLES, NO BEVEL, SQUARE EDGE, ENGRAVED LETTERING BY MANUFACTURER	TO MATCH CONTROL SAMPLES	MORTAR SET ON CONCRETE SUB-SLAB WITH POLYMERIC SAND JOINTS. CONTRACTOR TO APPLY MANUFACTURER APPROVED PENETRATING SEALER, PERMA-SHIELD #200 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.	
CE-10	NOT USED THIS PACKAGE	-	-	-	-	-	-	-	
CE-11	NOT USED THIS PACKAGE	-	-	-	-	-	-	-	
CE-12	UNIT PAVES, TACTILE SURFACING	13.14 / L3.00	-	DURALAST 18"x24" DETACHABLE WARNING PLATE OR APPROVED EQUAL	GRAY IRON, OXIDIZED	BLACK MAX RUST CONVERTER, SPRAY OR DIP APPLIED TO ALL METAL	-	INSTALL PER MANUFACTURER RECOMMENDATIONS. PROVIDE SAMPLES AND SHOP DRAWINGS FOR LANDSCAPE ARCHITECT REVIEW AND APPROVAL.	
CE-13	BELDEN PLANK PAVERS - LIGHT (FROM PHASE 1 STORAGE)	02-06.08-10 / L3.00 02 / L3.01	32 14 00 32 94 43	BELDEN BRICK FROM EXISTING ATTIC STOCK	2.25" THICK PRECAST CONCRETE UNIT PAVES SIZE: 4"x12"	EXISTING FROM ATTIC STOCK, 1/32" RUNNING BOND PATTERN	RAGLAND BLEND	SAND SET ON CONCRETE SUB-SLAB WITH POLYMERIC SAND JOINTS. SEALER IS NOT RECOMMENDED BY MANUFACTURER. REFER TO CIVIL ENGINEER'S DRAWINGS FOR ADDITIONAL INFO ON CONCRETE SUB-SLAB THICKNESS AND REINFORCING. UTILITY 3" PERMALOCK ASPHALT/EDGE, BLACK DURALAST EDGING AT ALL PLANTING EDGES, TYPICAL.	
SITE WALLS									
SE-01	NOT USED THIS PACKAGE	-	-	-	-	-	-	-	
SE-02	NOT USED THIS PACKAGE	-	-	-	-	-	-	-	
SE-03	STONE SEAT WALL (10' LENGTH) - ADD ALT FOR SF-08	01 / L3.02	32 93 20	APEX STONE OR APPROVED EQUAL	18" x 10" x 1 1/2" SEALED LIMESTONE BLOCK, CUT BLOCKS EDGES SEGMENTS ON AGGREGATE BASE	FRONTBACK: CHOPPED TOP EDGES: HONED	GREY LEUDERS	REFERENCE PLANS FOR APPROXIMATE 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.	
SE-04	NOT USED THIS PACKAGE	-	-	-	-	-	-	-	
SE-05	NOT USED THIS PACKAGE	-	-	-	-	-	-	-	
SE-06	NOT USED THIS PACKAGE	-	-	-	-	-	-	-	
SE-07	NOT USED THIS PACKAGE	-	-	-	-	-	-	-	
SE-08	NOT USED THIS PACKAGE	-	-	-	-	-	-	-	
SE-09	STONE OLD WALL	02 / L3.02	03 30 05 04 43 20	APEX STONE OR APPROVED EQUAL	FOUNDATION / WALL: RE: STRUCT CLADDING: CAP: 2.5" THICK LIMESTONE	FOUNDATION: RE: STRUCT. WALL: SMOOTH-FORMED CLADDING: CAP: GREY LEUDERS GROUT: WALNUT	WALL: NAT. GREY CLADDING: CAP: GREY LEUDERS GROUT: WALNUT	CONTRACTOR IS TO VERIFY ALL LAYOUTS IN FIELD WITH DESIGN TEAM PRIOR TO INSTALLATION. REFERENCE DETAILS FOR STONE MATERIAL SIZING. CONTRACTOR TO PROVIDE SAMPLES AND DETAILED SHOP DRAWINGS OF ALL WALLS FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO INSTALL. REFERENCE STRUCTURAL DRAWINGS FOR FOUNDATION AND WALL REINFORCEMENT.	
BOLLARDS									
BO-01	OPERABLE BOLLARD	01 / L3.04	09 91 13	DELTA SCIENTIFIC OSCOCON OPERABLE BOLLARD OR APPROVED EQUAL	38", 10-3/4" DIA. STAINLESS STEEL, M50 CRASH RATING	HIGH PERFORMANCE COATING	RAL #8019	CONTRACTOR TO CONFIRM WITH SECURITY CONSULTANT ALL SECURITY REQUIREMENTS ARE MET PRIOR TO COMMENCING WORK. VALIDATE 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 POWER AND SAFETY EQUIPMENT REQUIREMENTS FOR REVIEW AND APPROVAL. INCLUDE ALL ADJACENT SITE FEATURES. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFO.	
BO-02	FIXED SECURITY BOLLARD, TYPE 1 STANDARD MOUNT	10 / L3.04	09 91 13	GIBRALTAR G-1350 FIXED BOLLARD OR APPROVED EQUAL	38", 10-3/4" DIA. STAINLESS STEEL, M50 CRASH RATING	HIGH PERFORMANCE COATING	RAL #8019	CONTRACTOR TO CONFIRM WITH SECURITY CONSULTANT ALL SECURITY REQUIREMENTS ARE MET PRIOR TO COMMENCING WORK. VALIDATE 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 POWER AND SAFETY EQUIPMENT REQUIREMENTS FOR REVIEW AND APPROVAL. INCLUDE ALL ADJACENT SITE FEATURES. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFO.	
BO-03	FIXED SECURITY BOLLARD, TYPE 2 SHALLOW MOUNT	09 / L3.04	09 91 13	SHALLOW MOUNTED FIXED BOLLARD (OVER BASEMENTS)	38", 10-3/4" DIA. STAINLESS STEEL, M50 CRASH RATING	HIGH PERFORMANCE COATING	RAL #8019	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 COORDINATED WITH EXISTING SUB-GRADE CONDITIONS AND STRUCTURAL FOOTING REQUIREMENTS FOR REVIEW AND APPROVAL. INCLUDE ALL ADJACENT SITE FEATURES.	
BO-04	NOT USED THIS PACKAGE	-	-	-	-	-	-	-	
BO-05	MANUAL REMOVABLE BOLLARD	05 / L3.04	09 91 13	AMERISTAR REMOVABLE BOLLARD OR APPROVED EQUAL	38", 10-3/4" DIA. STAINLESS STEEL, M50 CRASH RATING	HIGH PERFORMANCE COATING	RAL #8019	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 COORDINATED WITH EXISTING SUB-GRADE CONDITIONS AND STRUCTURAL FOOTING REQUIREMENTS FOR REVIEW AND APPROVAL. INCLUDE ALL ADJACENT SITE FEATURES.	
LANDSCAPE MATERIALS									
LE-01	LANDSCAPE EDGING, TYPE 1	02 / L3.02	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.	
LE-02	DECORATIVE AGGREGATE	02 / L3.02	32 15 50	APEX STONE OR APPROVED EQUAL	1/2" CRUSHED LIMESTONE, POLYMER BONDING	ANGULAR, PERMEABLE FINISH	SABINO GRAVEL	PROVIDE SAMPLE FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALL. INCLUDE AS PART OF PLANTING MOCK-UP.	
DRAINAGE									
DE-01	NOT USED THIS PACKAGE	-	-	-	-	-	-	-	
DE-02	PLANTING OVERFLOW DRAIN, TYPE 1	RE: CIVIL	RE: CIVIL	JAY B. SMITH OR APPROVED EQUAL	12" PLANTING AREA DRAIN #5075, OXIDIZED CAST IRON	BLACK MAX RUST CONVERTER, SPRAY OR DIP APPLIED TO DRAIN BODY	BLACK PAINT AT ST. STEEL MESH	RE: CIVIL ENGINEER PLANS FOR ADDITIONAL INFO. INSTALL WITH STAINLESS STEEL MESH FOR DEBRIS CATCH. PROVIDE DETAILED SHOP DRAWINGS COORDINATED WITH ADJACENT PAVING AND SITE FEATURES FOR LANDSCAPE ARCHITECT REVIEW AND APPROVAL. CONTACT ROMAR INDUSTRIES FOR RUST CONVERTER. 1.800.888.6221.	
SITE FURNISHINGS									
SE-01	FIXED WOOD BENCH	01.09 / L3.03	09 91 13 12 93 00	SITE PIECES OR APPROVED EQUAL	WOOD: THERMORY BENDMAK ASH METAL: HIGH PERFORMANCE COATED STEEL	WOOD: NO OIL OR SEALER 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.	
SE-02	NOT USED THIS PACKAGE	-	-	-	-	-	-	-	
SE-03	WASTE RECEPTACLE	01 / L3.05	12 93 00	SITE PIECES MONOLINE LITTER BIN, ML-LITTER, SURFACE MOUNTED	ALUMINUM	POWDER COATED, LITTER SYMBOL	BODY: RAL 8019 SYMBOL: WHITE	INSTALL PER MANUFACTURER RECOMMENDATIONS. CONTRACTOR TO SUBMIT SHOP DRAWINGS OF ATTACHMENT COORDINATED WITH PAVING ASSEMBLY AT EACH LOCATION PRIOR TO INSTALL. PROVIDE SAMPLES AND SHOP DRAWINGS FOR LANDSCAPE ARCHITECT REVIEW AND APPROVAL. CONTACT SITE PIECES: 1.800.484.0797.	
SE-04	RECYCLING RECEPTACLE	01 / L3.05	12 93 00	SITE PIECES MONOLINE LITTER BIN, ML-LITTER, SURFACE MOUNTED	ALUMINUM	POWDER COATED, RECYCLE SYMBOL	BODY: RAL 8019 SYMBOL: WHITE	INSTALL PER MANUFACTURER RECOMMENDATIONS. CONTRACTOR TO SUBMIT SHOP DRAWINGS OF ATTACHMENT COORDINATED WITH PAVING ASSEMBLY AT EACH LOCATION PRIOR TO INSTALL. PROVIDE SAMPLES AND SHOP DRAWINGS FOR LANDSCAPE ARCHITECT REVIEW AND APPROVAL. CONTACT SITE PIECES: 1.800.484.0797.	
SE-05	NOT USED THIS PACKAGE	-	-	-	-	-	-	-	
SE-06	NOT USED THIS PACKAGE	-	-	-	-	-	-	-	
SE-07	PRECAST CONCRETE BENCH - 9.5'L (FROM PHASE 1 STORAGE)	03 / L3.03	12 93 00	PRECAST CONCRETE BENCHES FROM EXISTING ATTIC STOCK	3.5' x 9.5' PRECAST CONCRETE BENCH WITH STAINLESS STEEL HARDWARE AND ANCHORS	PRECAST CONCRETE BENCH WITH STAINLESS STEEL HARDWARE AND ANCHORS	ANCHOR HARDWARE: OIL-DURED TO MATCH PHASE 1	INSTALL PER MANUFACTURER RECOMMENDATIONS. 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.	
MISCELLANEOUS									
ME-01	NOT USED THIS PACKAGE	-	-	-	-	-	-	-	
ME-02	TREE PAVER GRATE - TYPE 1	15 / L3.00	32 94 43	URBAN ACCESSORIES OR PROMDTHM	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. COORDINATE A REMOVABLE PAVES THAT TO BE FIELD INSTALLED OVER THE INSPECTION TUBE FOR TREE UNDERDRAINAGE. INSTALL PER MANUFACTURER RECOMMENDATIONS. RE: CIVIL ENGINEER FOR ADJACENT CONCRETE SUB-SLAB CONDITIONS.	
ME-03	NOT USED THIS PACKAGE	-	-	-	-	-	-	-	
ME-04	NOT USED THIS PACKAGE	-	-	-	-	-	-	-	
ME-05	NOT USED THIS PACKAGE	-	-	-	-	-	-	-	
ME-06	NOT USED THIS PACKAGE	-	-	-	-	-	-	-	
ME-07	NOT USED THIS PACKAGE	-	-	-	-	-	-	-	
ME-08	INTERPRETIVE ELEMENTS	RE: INTERPRETIVE	RE: INTERPRETIVE	RE: INTERPRETIVE	RE: INTERPRETIVE	RE: INTERPRETIVE	RE: INTERPRETIVE	RE: INTERPRETIVE PACKAGE FOR ADDITIONAL INFO. CONTRACTOR TO PROVIDE DETAILED SHOP DRAWINGS COORDINATED WITH ADJACENT PAVING AND ATTACHMENT INFO. RE: LIGHTING AND ELECTRICAL FOR INTEGRATED LIGHTING FIXTURES.	
ME-09	NOT USED THIS PACKAGE	-	-	-	-	-	-	-	
ME-10	NOT USED THIS PACKAGE	-	-	-	-	-	-	-	
ME-11	INTERPRETIVE ELEMENT (STONE CURB)	08 / L3.00	RE: INTERPRETIVE	09 63 41	APEX STONE, ALAMO STONE OR APPROVED EQUAL	2 1/2" X 12" WIDE LIMESTONE CURB WITH SEALER AND COLOR ENHANCER	MOCHA LEUDERS	MORTAR SET ON CONCRETE SUB-SLAB WITH GROUT JOINTS. CONTRACTOR TO APPLY MANUFACTURER APPROVED PENETRATING SEALER; LANTONITE STONETECH HEAVY DUTY SEALER 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. CONTACT APEX STONE: 879.987.6017. UTILITY PERMALOCK ASPHALT, BLACK DURALAST EDGING AT ALL PLANTING EDGES, TYPICAL.	
ME-12	STATUARY	03 / L3.05	32 93 30	RE: INTERPRETIVE	SALVAGED STATUARY MONUMENT, GRANITE BLOCK, SEALED	STATUE BASE: MONUMENT, GRANITE BLOCK, SEALED	THERMAL FINISH	MASON GRANITE	RE: INTERPRETIVE PACKAGE FOR ADDITIONAL INFO. CONTRACTOR TO PROVIDE SAMPLES AND MOCK-UP FOR LANDSCAPE ARCHITECT REVIEW AND APPROVAL. PROVIDE DETAILED SHOP DRAWINGS COORDINATED WITH ADJACENT PAVING, UP-LIGHTING, AND INTERPRETIVE ELEMENTS.
ME-13	NOT USED THIS PACKAGE	-	-	-	-	-	-	-	
ME-14	FIRE HYDRANT	RE: CIVIL	-	-	-	-	-	-	
ME-15	HPU CONTROL PANEL	RE: ELECTRICAL	RE: ELECTRICAL	RE: ELECTRICAL	RE: ELECTRICAL	POWDERCOATED CABINET, RE: ELECTRICAL	CABINET: RAL #8019	PEDESTAL MOUNTED CUSTOM COLORED ENCLOSURE FOR BOLLARD EQUIPMENT. REFER TO ELECTRICAL ENGINEER PLANS AND SECURITY CONSULTANT FOR INTERNAL EQUIPMENT REQUIREMENTS. CONTRACTOR SHALL PROVIDE INSTALLATION DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO START OF WORK. INSTALL CONCRETE PEDESTAL FLUSH TO FINISH GRADE.	
ME-16	AV CABINET	RE: LOW VOLTAGE	RE: LOW VOLTAGE	RE: LOW VOLTAGE	RE: LOW VOLTAGE	POWDERCOATED CABINET, RE: LOW VOLTAGE	CABINET: RAL #8019	PEDESTAL MOUNTED CUSTOM COLORED ENCLOSURE FOR DATA SYSTEM EQUIPMENT. REFER TO ELECTRICAL ENGINEER AND LOW VOLTAGE FOR INTERNAL EQUIPMENT REQUIREMENTS. CONTRACTOR SHALL PROVIDE INSTALLATION DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO START OF WORK. INSTALL CONCRETE PEDESTAL FLUSH TO FINISH GRADE.	
ME-17	ELECTRICAL UTILITY CABINET	RE: ELECTRICAL	RE: ELECTRICAL	RE: ELECTRICAL	RE: ELECTRICAL	POWDERCOATED CABINET, RE: ELECTRICAL	CABINET: RAL #8019	PEDESTAL MOUNTED CUSTOM COLORED ENCLOSURE FOR ELECTRICAL SYSTEM EQUIPMENT. REFER TO ELECTRICAL ENGINEER PLANS FOR INTERNAL EQUIPMENT REQUIREMENTS. CONTRACTOR SHALL PROVIDE INSTALLATION DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO START OF WORK. INSTALL CONCRETE PEDESTAL FLUSH TO FINISH GRADE.	
ME-18	UTILITY STRUCTURES (EXPRESSED IN PAVING AREA)	RE: ENGINEERS	RE: ENGINEERS	RE: ENGINEERS	METAL LID, OXIDIZED	BLACK MAX RUST CONVERTER, SPRAY OR DIP APPLIED TO ALL METAL	-	ALL UTILITY LIDS (EXISTING AND PROPOSED) VISIBLE AT SURFACE OF HARDSCAPE AREAS NOT COVERED BY M-11 (UNDERGROUNDER) SHALL BE METAL LID TO RECEIVE BLACK MAX RUST CONVERTER FINISH. NO CONCRETE, PLASTIC, OR OTHER LID MATERIAL SHALL EXPRESS AT HARDSCAPE SURFACES. PROVIDE DETAILED SHOP DRAWINGS WITH EDGES OF UTILITY LIDS PRECISELY ALIGNED TO PAVING FIELD JOINTS AT EACH LOCATION. CONTRACTOR SHALL FIELD VERIFY ALIGNMENTS WITH INSTALLED PAVING. PROVIDE IN-PLACE MOCK-UPS FOR ALL TYPICAL UTILITY CONDITIONS PRIOR TO INSTALLING ALL UTILITIES. PROVIDE SAMPLES OF METAL LIDS WITH APPLIED FINISH. CONTRACTOR SHALL REVIEW ALL CONSULTANT DRAWINGS FOR ALL UTILITY STRUCTURES WITH LIDS VISIBLE AT SURFACE OF HARDSCAPE.	
ME-19	UTILITY STRUCTURES (EXPRESSED IN PLANTING AREA)	RE: ENGINEERS	RE: ENGINEERS	RE: ENGINEERS	METAL LID	UTILITY STRUCTURE BELOW BY ENGINEERS	POWDER COATED	RAL #8019	ALL UTILITY LIDS (EXISTING AND PROPOSED) VISIBLE AT SURFACE OF PLANTING AREAS. LOCATE MINIMUM 2" IF FROM ALL ADJACENT STRUCTURES OR EDGES OF HARDSCAPE. PROVIDE DETAILED SHOP DRAWINGS SHOWING PROPER SETBACK FROM ADJACENT CONDITIONS AT EACH LOCATION. CONTRACTOR SHALL FIELD VERIFY ALIGNMENTS. PROVIDE IN-PLACE MOCK-UPS FOR ALL TYPICAL UTILITY CONDITIONS PRIOR TO INSTALLING ALL UTILITIES. PROVIDE SAMPLES OF LIDS WITH CORRECT FINISH. CONTRACTOR SHALL REVIEW ALL CONSULTANT DRAWINGS FOR ALL UTILITY STRUCTURES WITH LIDS VISIBLE AT SURFACE OF PLANTING AREAS.
ME-20	TRAFFIC CONTROL GATE ARM	-	09 91 13	RE: SECURITY	SINGLE GATE ARM AND MOTOR HOUSING	RE: SECURITY CONSULTANT	POWDERCOATED HOUSING OR APPROVED EQUAL	RAL #8019	CONTRACTOR SHALL CONFIRM ALL SECURITY REQUIREMENTS ARE MET PRIOR TO COMMENCING WORK. RE: SECURITY CONSULTANT DRAWINGS AND SPECIFICATIONS. COORDINATE SEQUENCE OF OPERATION WITH OWNER PRIOR TO PROCUREMENT. CONFIRMED SPECIFIED DIMENSIONS SHOWN COMPLY WITH MANUFACTURER REQUIREMENTS. CONTRACTOR SHALL PROVIDE MATERIAL AND FINISH SAMPLES FOR DESIGN TEAM REVIEW AND APPROVAL. PRIOR TO INSTALL, PROVIDE DETAILED SHOP DRAWINGS COORDINATED WITH EXISTING SUBGRADE CONDITIONS AND STRUCTURAL FOOTING REQUIREMENTS FOR REVIEW AND APPROVAL. INCLUDE ALL ADJACENT SITE FEATURES.
ME-21	ELECTRICAL HAND HOLE	RE: ELECTRICAL	RE: ELECTRICAL	RE: ELECTRICAL	RE: M-12 AND M-13	RE: M-12 AND M-13	RE: M-12 AND M-13	REFERENCE M-12 AND M-13 CALLOUTS FOR FINISHES BASED ON LOCATION IN SITE LAYOUT. M-15 CALLOUT FOR SPECIFIC SYSTEM REFERENCE ONLY. REFER TO ELECTRICAL ENGINEER PLANS FOR ADDITIONAL INFORMATION.	
ME-22	TELECOM PULL BOX	RE: TELECOM	RE: TELECOM	RE: TELECOM	RE: M-12 AND M-13	RE: M-12 AND M-13	RE: M-12 AND M-13	REFERENCE M-12 AND M-13 CALLOUTS FOR FINISHES BASED ON LOCATION IN SITE LAYOUT. M-15 CALLOUT FOR SPECIFIC SYSTEM REFERENCE ONLY. REFER TO ELECTRICAL ENGINEER PLANS FOR ADDITIONAL INFORMATION.	
ME-23	IRRIGATION VALVE BOX	RE: IRRIGATION	RE: IRRIGATION	RE: IRRIGATION	RE: M-12 AND M-13	RE: M-12 AND M-13	RE: M-12 AND M-13	REFERENCE M-12 AND M-13 CALLOUTS FOR FINISHES BASED ON LOCATION IN SITE LAYOUT. M-15 CALLOUT FOR SPECIFIC SYSTEM REFERENCE ONLY. REFER TO ELECTRICAL ENGINEER PLANS FOR ADDITIONAL INFORMATION.	
ME-24	QUICK COUPLER BOX	RE: IRRIGATION	RE: IRRIGATION	RE: IRRIGATION	RE: M-12 AND M-13	RE: M-12 AND M-13	RE: M-12 AND M-13	REFERENCE M-12 AND M-13 CALLOUTS FOR FINISHES BASED ON LOCATION IN SITE LAYOUT. M-15 CALLOUT FOR SPECIFIC SYSTEM REFERENCE ONLY. REFER TO ELECTRICAL ENGINEER PLANS FOR ADDITIONAL INFORMATION.	
SIGHT LIGHTING									
LI-01	POLE LIGHTING FIXTURES	02.07 / L3.05	RE: ELEC. LIGHT	09 91 13	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, TOP OF FOOTING ELEVATIONS, AND CANNOT MOUNTED FIXTURES PRIOR TO FABRICATION. VIVID WARP COLOR RAL #8019 AND FIXTURES WHERE MANUFACTURER IS UNABLE TO MATCH POLE COLOR. TYPICAL.	
LI-02	IN-GRADE LIGHTING FIXTURES	RE: LIGHTING	09 91 13	RE: ELECTRICAL, LIGHTING PLANS	RE: ELECTRICAL, LIGHTING PLANS	RE: ELECTRICAL, LIGHTING PLANS	COVER RING RAL #8019	REFERENCE SITE LIGHTING PACKAGE FOR PROPOSED LAYOUT AND QUANTITY OF FIXTURES. REFERENCE ELECTRICAL DRAWINGS FOR POWER AND CONTROL. CONTRACTOR TO PROVIDE SAMPLES, SHOP DRAWINGS, AND IN-PLACE MOCK-UP FOR REVIEW AND APPROVAL. CONFIRM FINAL LOCATION OF ALL LIGHTS AND ALL FIXTURES MOUNTED TO POLE WITH LANDSCAPE ARCHITECT PRIOR TO INSTALL.	
LI-03	STONE-MOUNTED LIGHTING FIXTURES	RE: LIGHTING	09 91 13	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 POWER AND CONTROL. CONTRACTOR TO PROVIDE SAMPLES, SHOP DRAWINGS, AND IN-PLACE MOCK-UP FOR REVIEW AND APPROVAL. CONFIRM FINAL LOCATION OF ALL LIGHTS AND ALL FIXTURES MOUNTED TO POLE WITH LANDSCAPE ARCHITECT PRIOR TO INSTALL.	



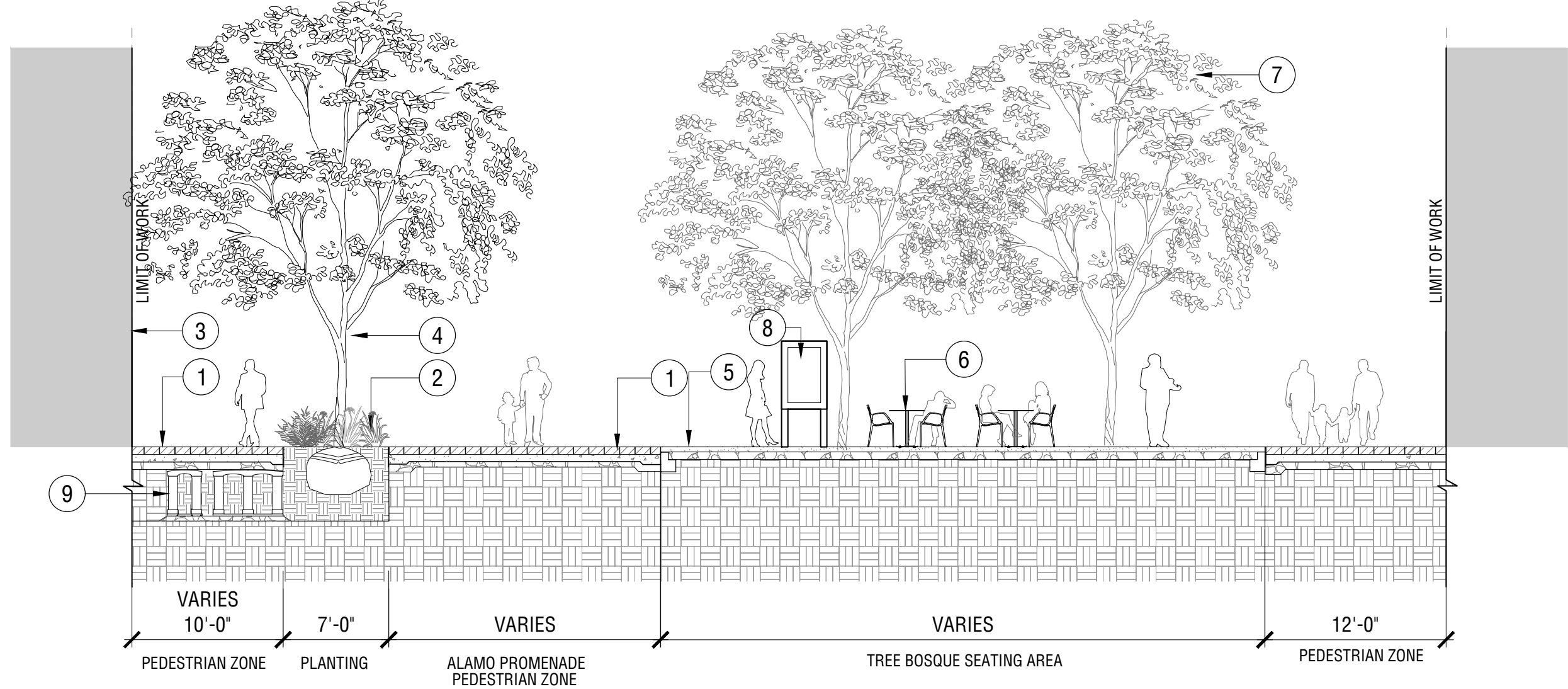
2. THIS PLAN FOR THE PURPOSE OF HORIZONTAL CONTROL, STAKING OF CONSTRUCTION FEATURES NOT LOCATED BY PROJECT SURVEY, SHALL BE BASED ON THE HORIZONTAL CONTROL SHOWN ON DRAWINGS AND FOR CONSTRUCTION REFERENCE OF SITE LOCATIONS.
3. REFER TO CIVIL ENGINEER DRAWINGS FOR THE VERTICAL CONTROL OF ALL CONSTRUCTION FEATURES.
4. ALL DIMENSIONS ARE STAKED PERPENDICULAR OR PARALLEL, UNLESS OTHERWISE NOTED.
5. ALL ACCESSIBILITY REFERENCES SHALL CORRELATE TO CURRENT STATE OF TEXAS ACCESSIBILITY CODE.
6. RIGHT OF WAY IMPROVEMENTS SHALL BE OBTAINED IN PLACE PRIOR TO ANY NOTED IMPROVEMENTS OR ENLARGEMENTS OF CONSTRUCTION PLANS. DAMAGE THAT OCCURS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
7. REFER TO SHEET 1.0.10 FOR FULL GENERAL, TREE PROTECTION NOTES.
8. REFER TO SHEET 1.0.11 FOR FULL CONSTRUCTION AND LAYOUT NOTES.
9. THE LIMIT OF WORK (L.O.W.) IS FOR REFERENCE ONLY. ACTUAL LIMIT OF WORK SHALL BE DETERMINED BY THE ENGINEER IN CHARGE BY CONTRACTOR WITH OWNER'S APPROVAL PRIOR TO START OF CONSTRUCTION.

CONSTRUCTION SCHEDULE		
SYMBOL	DESCRIPTION	DETAIL
CONCRETE CURB		
CP-01	CONCRETE ROLLED CURB (TYPE 1)	10 / C1.40
CP-02	CONCRETE CURB (TYPE 2)	09.10 / L3.00 RE: CIVIL
CONCRETE PAVING		
CP-03	NOT USED THIS PACKAGE	-
CP-04	CONCRETE PAVING, TYPE 2	07.12 / L3.00 RE: CIVIL
CONCRETE UNIT PAVING		
UP-01	CONCRETE UNIT PAVING, TYPE 1	01.03.07 / L3.00 01 / L3.01
UP-02	NOT USED THIS PACKAGE	-
UP-03	NOT USED THIS PACKAGE	-
UP-04A	NOT USED THIS PACKAGE	-
UP-04B	NOT USED THIS PACKAGE	-
UP-04C	NOT USED THIS PACKAGE	-
UP-05	CONCRETE UNIT PAVING, TYPE 4 EV ENGRAVED PAVER	04 / L3.00 03 / L3.01
UP-06	NOT USED THIS PACKAGE	-
UP-07	NOT USED THIS PACKAGE	-
UP-08	UNIT PAVER, TACTILE SURFACING	13.14 / L3.00
UP-09	BELDEN PLANK PAVERS - LIGHT (FROM PHASE 1 STORAGE)	02.06.08-10 / L3.00 02 / L3.02
SITE WALLS		
SW-01A	NOT USED THIS PACKAGE	-
SW-01B	NOT USED THIS PACKAGE	-
SW-01C	STONE SEAT WALL (10' LENGTH) +ADD ALT FOR SF-068	01 / L3.02
SW-02A	NOT USED THIS PACKAGE	-
SW-02B	NOT USED THIS PACKAGE	-
SW-03A	NOT USED THIS PACKAGE	-
SW-03B	NOT USED THIS PACKAGE	-
SW-04	NOT USED THIS PACKAGE	-
SW-05	NOT USED THIS PACKAGE	-
SW-06	NOT USED THIS PACKAGE	-
SW-06	STONE CLAD WALL	02 / L3.02
BOLLARDS		
BO-01	OPERABLE BOLLARD	01 / L3.04
BO-02	FIXED SECURITY BOLLARD, TYPE 1 STANDARD MOUNT	10 / L3.04
BO-03	FIXED SECURITY BOLLARD, TYPE 2 SHALLOW MOUNT	09 / L3.04
BO-04	NOT USED THIS PACKAGE	-
BO-05	MANUAL REMOVABLE BOLLARD	05 / L3.04
LANDSCAPE MATERIALS		
LS-01	LANDSCAPE EDGING, TYPE 1	02 / L3.02
LS-02	DECORATIVE AGGREGATE	02 / L3.02
DRAINAGE		
DR-01A	NOT USED THIS PACKAGE	-
DR-01B	PLANTING OVERFLOW DRAIN, TYPE 1	RE: CIVIL
SITE FURNISHINGS		
SF-01	FIXED WOOD BENCH	01/09 / L3.03
SF-02	NOT USED THIS PACKAGE	-
SF-03	WASTE RECEPTACLE	01/ / L3.05
SF-04	RECYCLING RECEPTACLE	01/ / L3.05
SF-05	NOT USED THIS PACKAGE	-
SF-06A	NOT USED THIS PACKAGE	-
SF-06B	PRECAST CONCRETE BENCH - 9.5 L (FROM PHASE 1 STORAGE)	03 / L3.03
MISCELLANEOUS		
MF-001	NOT USED THIS PACKAGE	-
MF-002	TREE PAVER GRATE - TYPE 1	15 / L3.00
MF-003	NOT USED THIS PACKAGE	-
MF-004	NOT USED THIS PACKAGE	-
MF-005	NOT USED THIS PACKAGE	-
MF-006	NOT USED THIS PACKAGE	-
MF-007	INTERPRETIVE ELEMENTS	RE: INTERPRETIVE
MF-008	NOT USED THIS PACKAGE	-
MF-009	NOT USED THIS PACKAGE	-
MF-010	INTERPRETIVE ELEMENT (STONE CURB)	08 / L3.00 RE: INTERPRETIVE
MF-01	STATUARY	03 / L3.05
MF-02	NOT USED THIS PACKAGE	-
MF-03	FIRE HYDRANT	RE: CIVIL
MF-04	HPU CONTROL PANEL	RE: ELECTRICAL
MF-05	AV CABINET	RE: LOW VOLTAGE
MF-06	ELECTRICAL UTILITY CABINET	RE: ELECTRICAL
MF-07	UTILITY STRUCTURES (EXPRESSED IN PAVING AREA)	RE: ENGINEERS
MF-08	UTILITY STRUCTURES (EXPRESSED IN PLANTING AREA)	RE: ENGINEERS
MF-09	TRAFFIC CONTROL GATE ARM	RE: ELECTRICAL
MF-10	ELECTRICAL HAND HOLE	RE: ELECTRICAL
MF-11	TELECOM PULL BOX	RE: TELECOM
MF-12	IRRIGATION VALVE BOX	RE: IRRIGATION
MF-13	QUICK COUPLER BOX	RE: IRRIGATION
SIGN LIGHTING		
SL-01	POLE LIGHTING FIXTURES	02.07 / L3.05 RE: ELEC. LIGHT
SL-02	IN-GRADE LIGHTING FIXTURES	RE: LIGHTING
SL-03	STAKE-MOUNTED LIGHTING FIXTURES	RE: LIGHTING
EXISTING ELEMETS TO REMAIN		
EX-01	EXISTING UTILITY TO REMAIN	RE: CIVIL
EX-02	EXISTING TREE TO REMAIN	01.02 / L0.10
EX-03	EXISTING TRAFFIC POLE LIGHT TO REMAIN	RE: CIVIL
EX-04	EXISTING PAVING (TO REMAIN)	RE: CIVIL
EX-05	EXISTING CURB (TO REMAIN)	RE: CIVIL

06/19/2024 ISSUE FOR CONSTRUCTION



- 1 CONCRETE UNIT PAVERS, RE: CONSTRUCTION PLANS AND SCHEDULE
- 2 ORNAMENTAL PLANTING, RE: PLANTING PLANS
- 3 BUILDING FACADE, RE: ARCH
- 4 STREET TREE, RE: PLANTING PLANS
- 5 DECOMPOSED GRANITE, RE: CONSTRUCTION PLANS AND SCHEDULE
- 6 MOVABLE FURNISHINGS, RE: CONSTRUCTION SCHEDULE
- 7 CANOPY TREES, RE: PLANTING PLANS
- 8 INTERPRETIVE SIGNAGE, RE: ARCH DWGS
- 9 SILVA CELLS SYSTEM



SECTION - ALAMO PROMENADE 01

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ARUP

MEP, Lighting, Security, and
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PAPE, DAWSON ENGINEERS

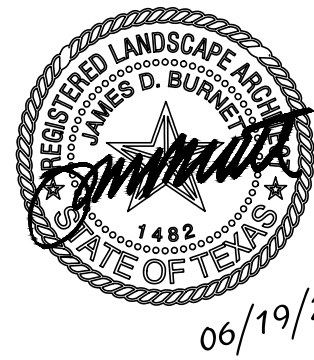
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PARRA & CO

Civil Engineer
Parra & Co
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AVIT/Security
DataCom Design Group, LLC
7800 Burnet Rd #350,
Austin, TX 78757
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Seal / Signature



△ Date Description

06/19/2024 ISSUE FOR CONSTRUCTION

Project Name

ALAMO SITE - AREA 2C -
PROMENADE

Project Number

122.0076.202

Description

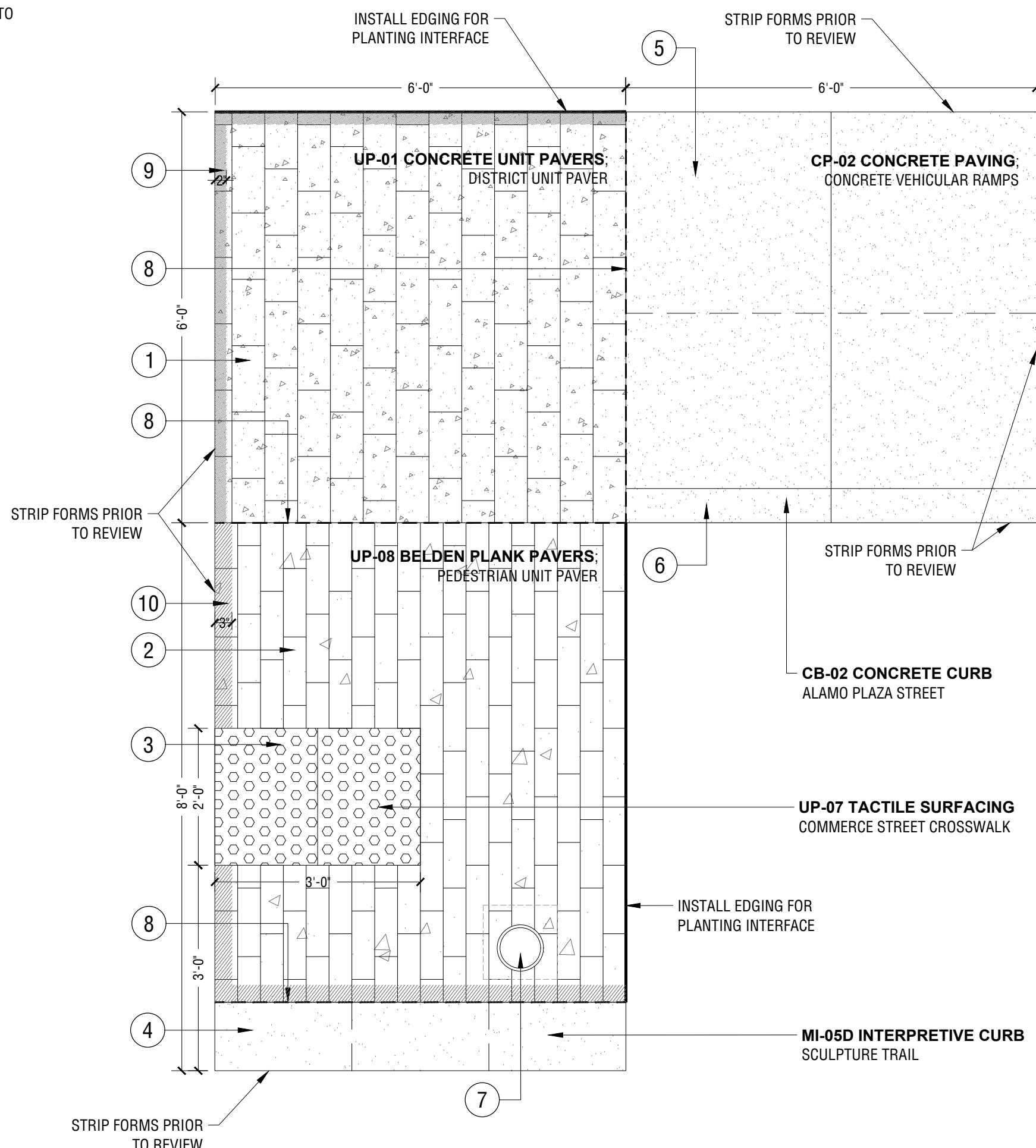
SITE SECTIONS

Scale

L2.01

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- UP-01 CONCRETE UNIT PAVES, RE: CONSTRUCTION SCHEDULE
 - UP-08 UNIT PAVES, RE: CONSTRUCTION SCHEDULE
 - UP-07 TACTILE SURFACING, RE: CONSTRUCTION SCHEDULE
 - MI-05D INTERPRETIVE CURB, RE: CONSTRUCTION SCHEDULE
 - CP-02 CONCRETE PAVING, RE: CONSTRUCTION SCHEDULE
 - CB-02 CONCRETE CURB, RE: CONSTRUCTION SCHEDULE
 - LI-02 CIRCULAR IN-GRADE UPLIGHT FIXTURES, RE: LIGHTING SCHEDULE SHEET E0.11
 - 3/16" EXPANSION JOINT, COLOR TO MATCH ADJACENT PAVING JOINTS, RE: SPECIFICATIONS
 - OVERSIZE UP-01 PAVERS TO BE UTILIZED AND CUT TO FIT WHEN PERIMETER CONDITIONS LIMIT PAVES SIZE TO LESS THAN 2"
 - CONTRACTOR SHALL AVOID INSTALLING UP-08 PERIMETER CONDITIONS WHEN PAVES SIZE IS LIMITED TO LESS THAN 3". CONTRACTOR SHALL CUT BACK MINIMALLY (3) ROWS TO MAINTAIN PERIMETER PAVES SIZE AT LEAST 3"
- NOTE:**
- MOCKUPS TO BE INSTALLED PER SPECIFICATIONS AND CONTRACT DRAWINGS TO DEMONSTRATE FINAL INSTALLED CONDITIONS, INCLUDING FULL PAVING ASSEMBLY, TRANSITIONS, AND EDGE CONDITIONS APPLICABLE FOR EACH PAVING TYPE WITHIN THIS SCOPE OF WORK. REFER TO SPECIFICATIONS AND LANDSCAPE DETAIL SHEETS L3.00 - L3.11 FOR FULL MOCKUP REQUIREMENTS.
 - REFERENCE L1.00 LANDSCAPE CONSTRUCTION SCHEDULE FOR FULL PAVING MATERIAL INFORMATION.
 - ALL MATERIALS TO INCLUDE SPECIFIED SEALER AND/OR ENHANCER PRODUCTS WHERE REQUIRED.
 - INSTALLATION TO MEET ADA COMPLIANCE. NO UPPAGE GREATER THAN 3/16" WITHIN MATERIAL OR BETWEEN ADJACENT PAVERS WILL BE ACCEPTED.
 - ALL FORMS ARE TO BE STRIPPED PRIOR TO REVIEW.** INTENT IS FOR DESIGN TEAM AND OWNER TO REVIEW PAVING PROFILE AND SUBSTRATE.
 - AT JOINTS BETWEEN DIFFERENT PAVING TYPES, CONTRACTOR SHALL INSTALL JOINT MATERIAL OF LIGHTER COLOR. REFERENCE JOINT MATERIAL AND COLOR SELECTIONS BY LANDSCAPE ARCHITECT SELECTED DURING MOCK-UP REVIEW.
 - MOCK-UP REVIEW PROCESS SHALL REQUIRE MINIMALLY (3) REVIEWS TO ASSESS LAYOUT AND MATERIALS, JOINTS AND ASSEMBLY, AND SEALER AND COMPLETE INSTALLATION QUALITY.
 - ALL MOCKUPS SHALL BE PROTECTED DURING ACTIVE CONSTRUCTION. CLEAN MOCKUPS PRIOR TO DESIGN TEAM AND OWNER REVIEW.

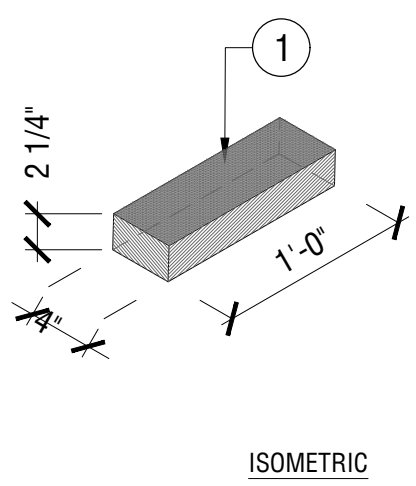


DETAIL - MOCK-UP 11

- CONCRETE UNIT PAVES 12"x4" NOMINAL, ARRANGED IN 1/3 RUNNING BOND, RE: CONSTRUCTION SCHEDULE FOR COLOR AND FINISH, RE: CONSTRUCTION PLANS FOR PAVING ORIENTATION
- 1/8" POLYMERIC SAND JOINTS, RE: SPECS

NOTES:

- CONTRACTOR TO VERIFY START LOCATION OF ALL PAVES COURSES WITH LANDSCAPE ARCHITECT PRIOR TO COMMENCING WORK.
- CONTRACTOR TO PROVIDE SHOP DRAWINGS OF ALL JOINT CONNECTIONS FOR REVIEW BY LANDSCAPE ARCHITECT
- SEE PLAN FOR START LOCATION OF PAVING PATTERN

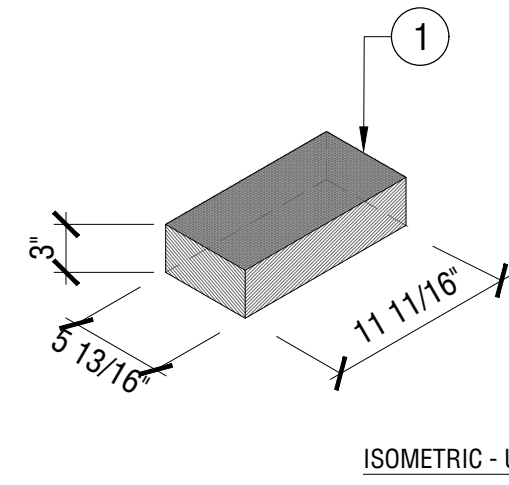


ISOMETRIC - UP-01

- UP-01 CONCRETE UNIT PAVES, ARRANGED IN 1/3 RUNNING BOND, RE: CONSTRUCTION SCHEDULE FOR COLOR AND FINISH, RE: CONSTRUCTION PLANS FOR PAVING ORIENTATION
- 1/16" SAND SWEEP JOINT, RE: SPECS

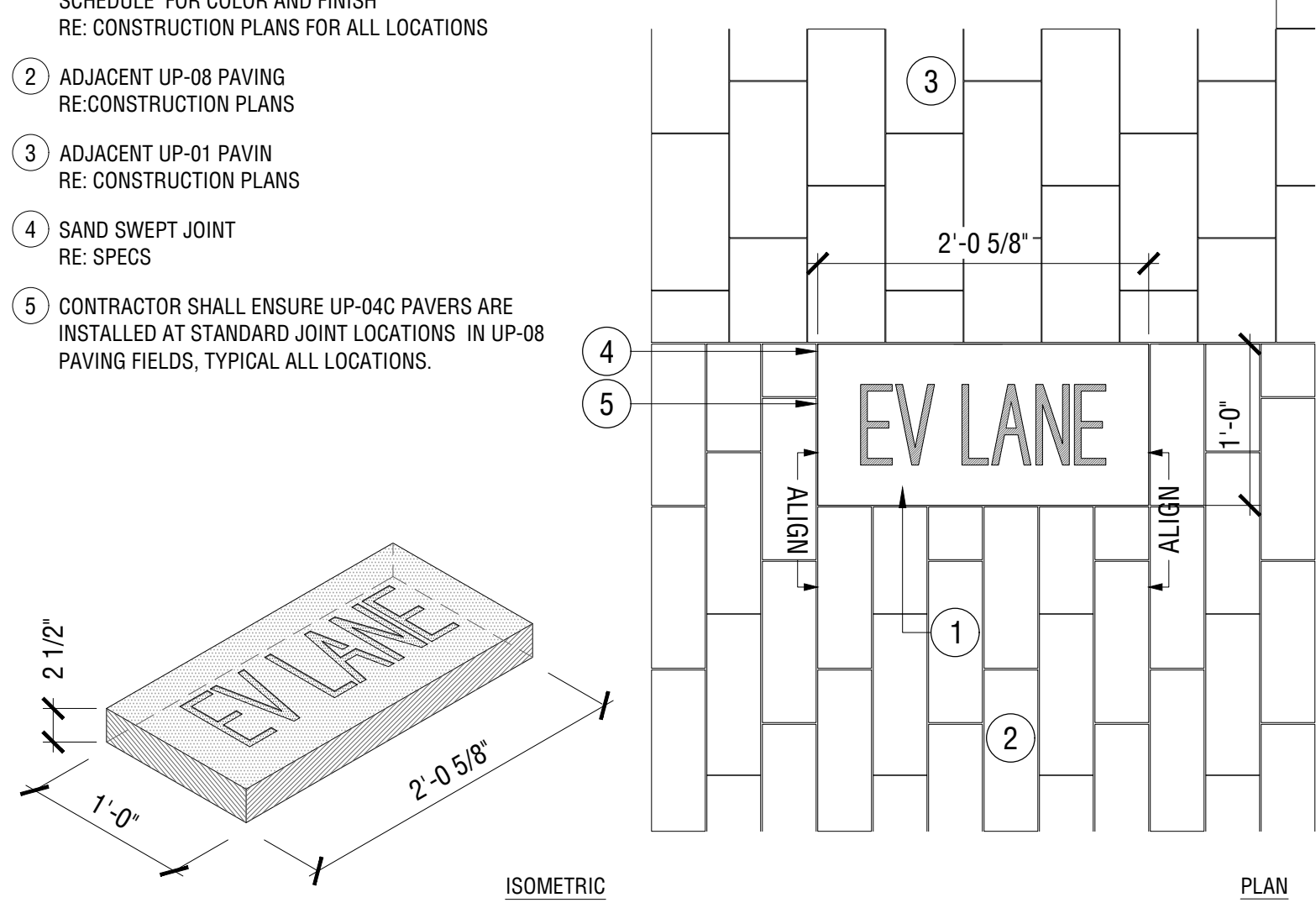
NOTES:

- CONTRACTOR TO VERIFY START LOCATION OF ALL PAVES COURSES WITH LANDSCAPE ARCHITECT PRIOR TO COMMENCING WORK
- CONTRACTOR TO PROVIDE SHOP DRAWINGS OF ALL JOINT CONNECTIONS FOR REVIEW BY LANDSCAPE ARCHITECT
- 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 PAVES TO BE USED

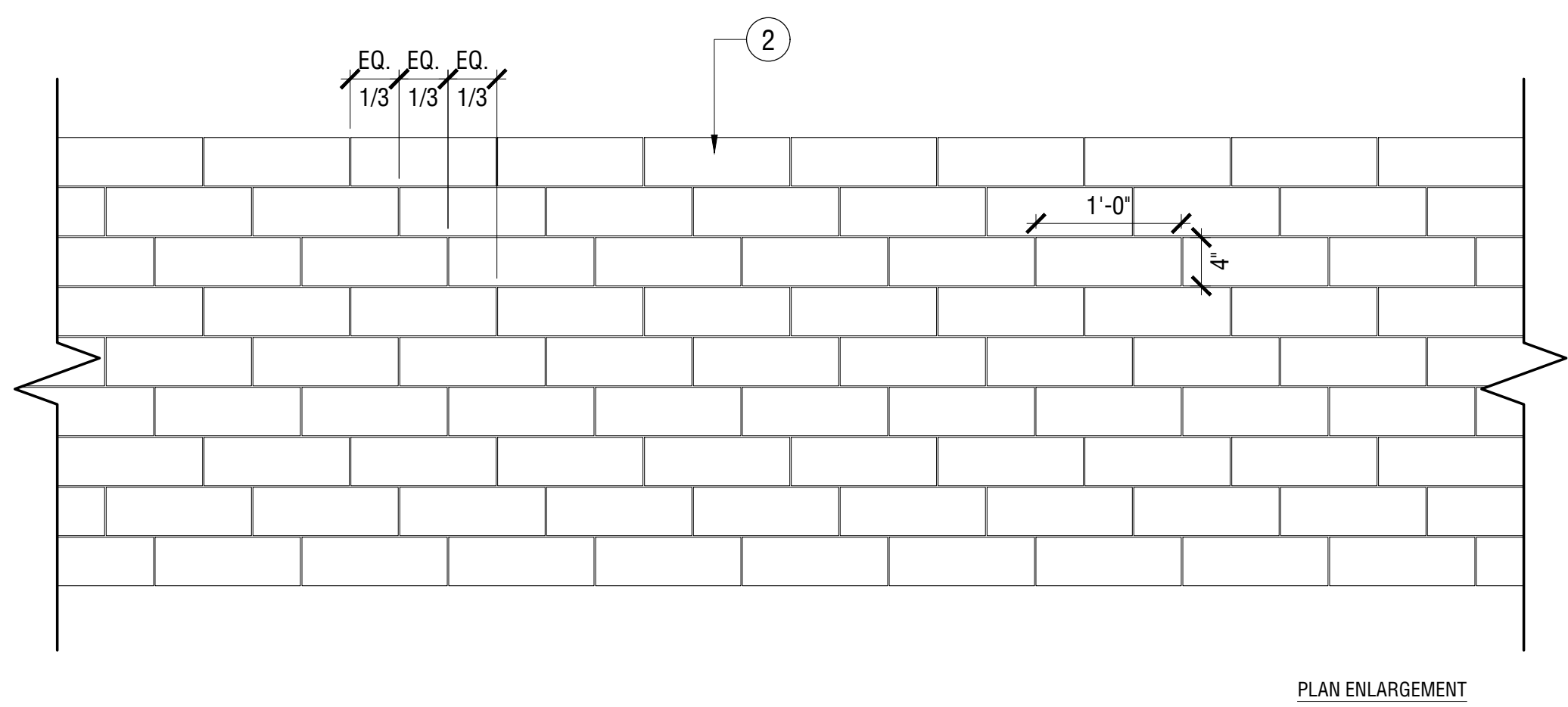


ISOMETRIC - UP-01

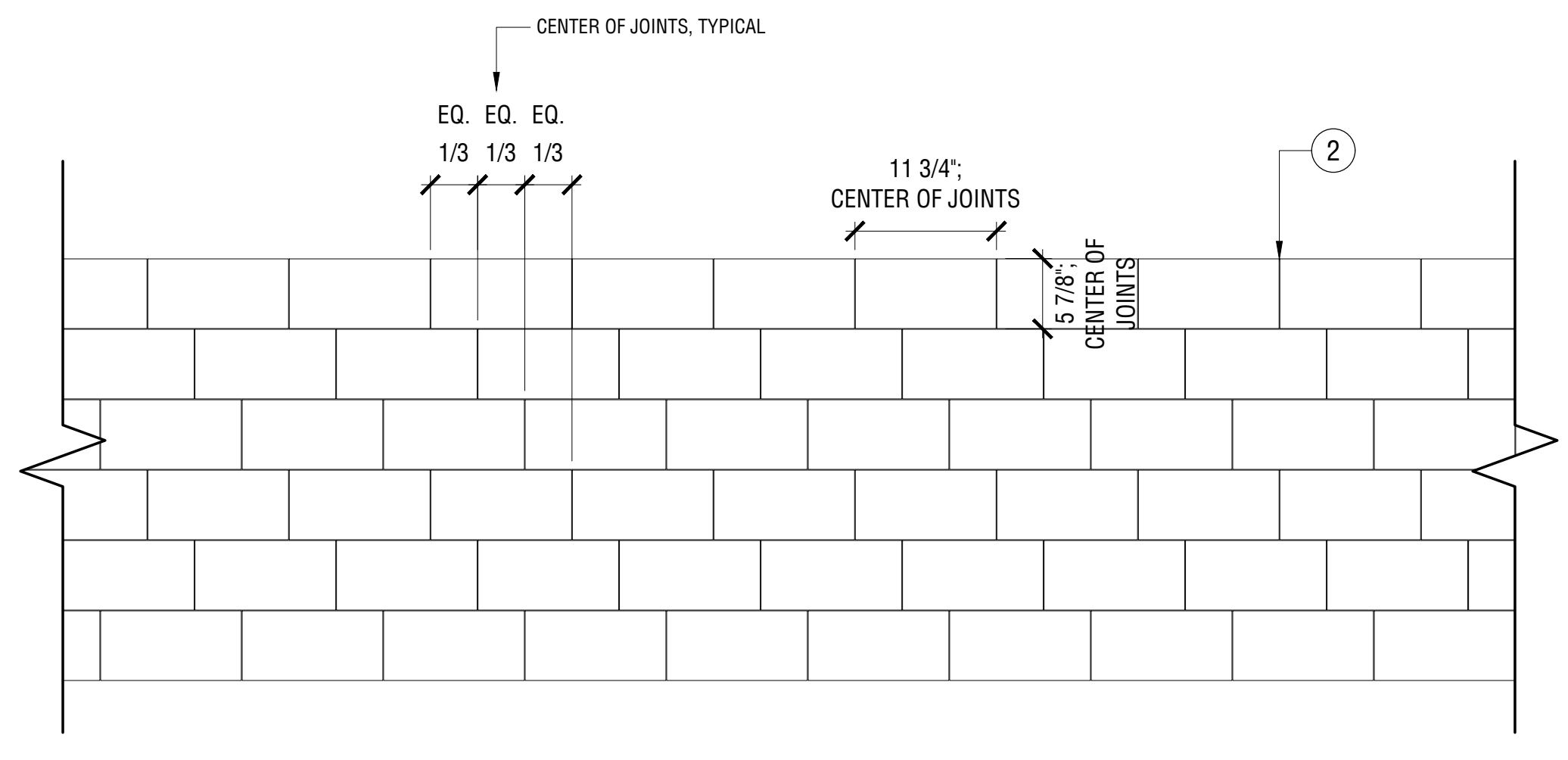
- UP-04C CUSTOM ENGRAVED CONCRETE UNIT PAVES, DELINEATES EMERGENCY VEHICLE LANE, RE: CONSTRUCTION SCHEDULE FOR COLOR AND FINISH, RE: CONSTRUCTION PLANS FOR ALL LOCATIONS
- ADJACENT UP-08 PAVING, RE: CONSTRUCTION PLANS
- ADJACENT UP-01 PAVER, RE: CONSTRUCTION PLANS
- SAND SWEEP JOINT, RE: SPECS
- CONTRACTOR SHALL ENSURE UP-04C PAVERS ARE INSTALLED AT STANDARD JOINT LOCATIONS IN UP-08 PAVING FIELDS, TYPICAL ALL LOCATIONS.



PLAN ENLARGEMENT - CUSTOM CONCRETE UNIT PAVES (UP-04C) 03



PLAN ENLARGEMENT - BELDEN PLANK PAVERS (UP-08) 02



PLAN ENLARGEMENT - (UP-01) CONCRETE UNIT PAVES 01

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Date Description

06/19/2024 ISSUE FOR CONSTRUCTION

Project Name

ALAMO SITE - AREA 2C -
PROMENADE

Project Number

122.0076.202

Description

CONSTRUCTION DETAILS

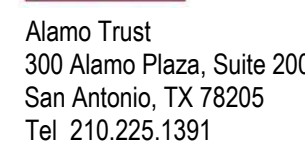
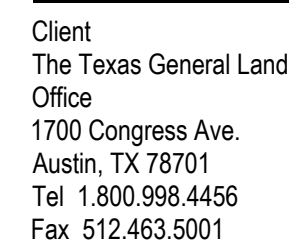
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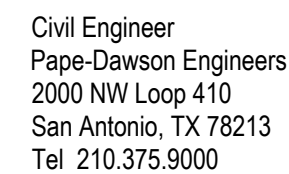
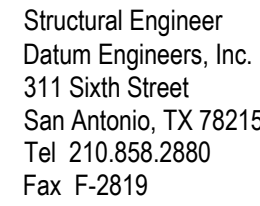
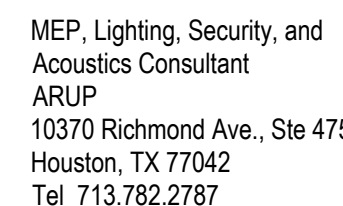
317-323 Alamo Plaza
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San Antonio, TX 78205

229 E. Houston St.
Suite 200
San Antonio, TX 78205
United States

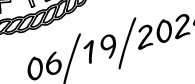


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△ Date	Description
06/19/2024	ISSUE FOR CONSTRUCTION

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Project Name

ALAMO SITE - AREA 2C -
PROMENADE

Project Number:

122.0076.202

Category	Description
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CONSTRUCTION DETAILS

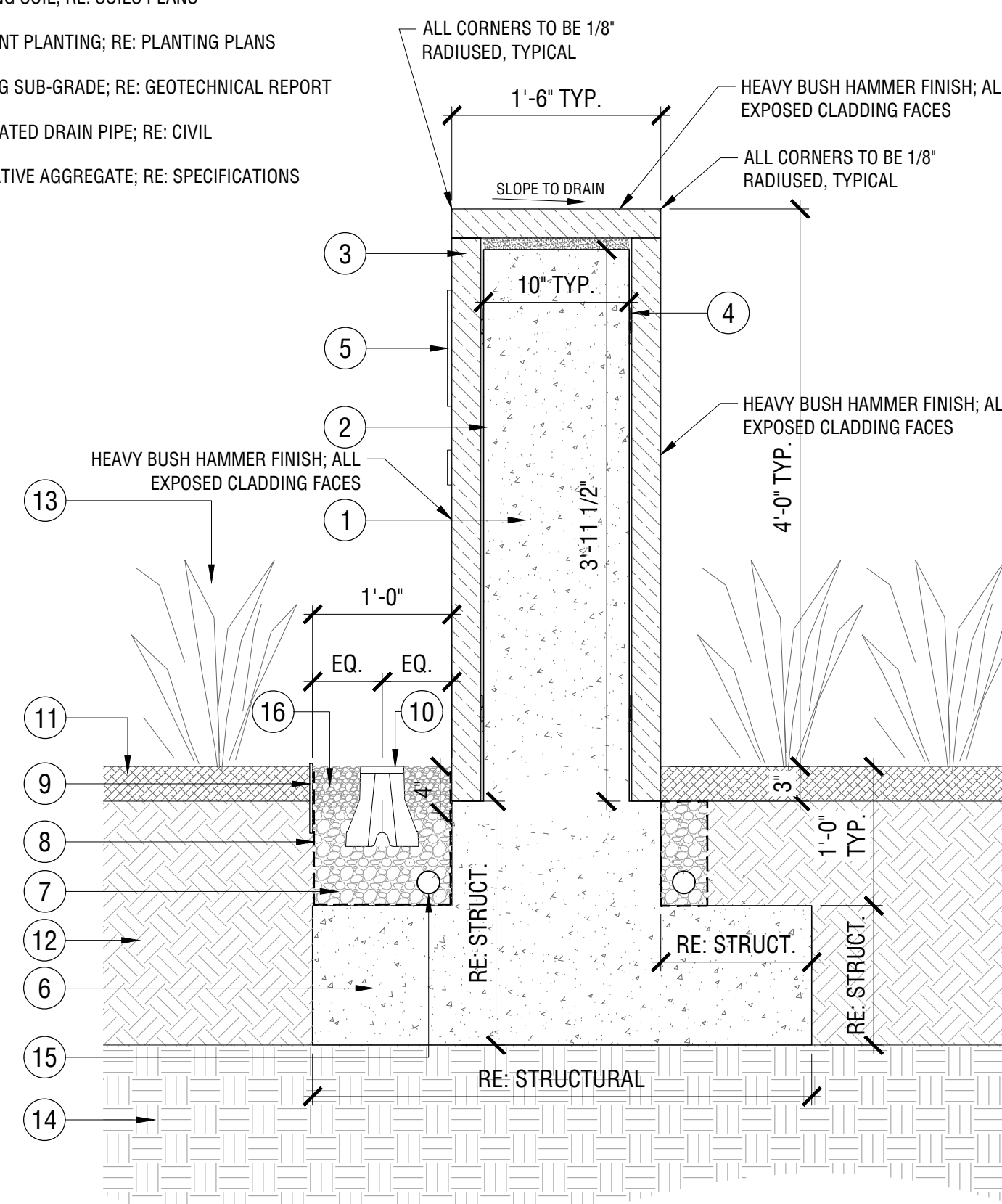
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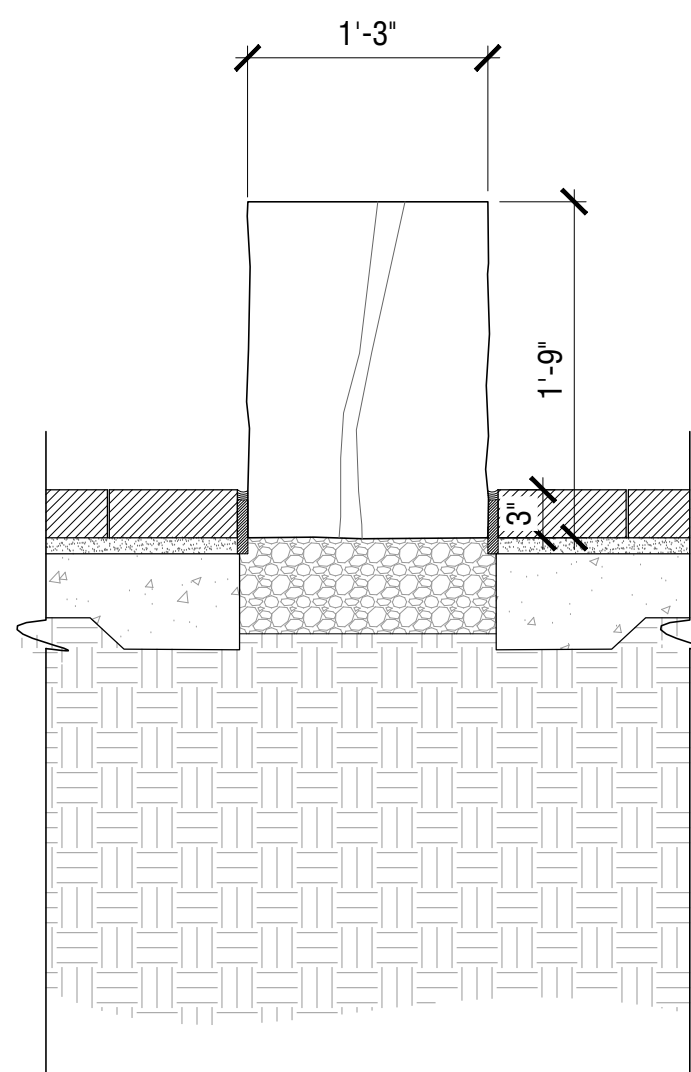
- 1 REINFORCED CONCRETE WALL: RE STRUCTURAL
- 2 1" THICK MIN. MORTAR BED: RE SPECIFICATIONS
- 3 STONE CLADDING: TO EXTEND 3' BELOW GRADE
RE CONSTRUCTION SCHEDULE AND PLANS
- 4 STAINLESS STEEL HIDDEN FASTENER: RE SPECIFICATIONS
- 5 METAL LETTERING ADHESIVE TO WALL: RE INTERIATIVE PACKAGE
- 6 REINFORCED CONCRETE FOOTING, HELD 12" BELOW ADJACENT GRADE
RE STRUCTURAL
- 7 DRAINAGE AGGREGATE: RE SPECS
- 8 FILTER FABRIC: RE SPECS
- 9 METAL LANDSCAPE LIGHTING: RE PLANTING PLANS AND SPECIFICATIONS
- 10 LINEAR IN-GRADE LIGHTING FIXTURE: RE CONSTRUCTION SCHEDULE FOR
FINISH: RE CONSTRUCTION PLANS FOR LAYOUT. RE LIGHTING PLANS FOR
PRODUCT DATA
- 11 MULCH LAYER: RE SPECS
- 12 PLANTING SOIL: RE SOILS PLANS
- 13 ADJACENT PLANTING: RE PLANTING PLANS
- 14 EXISTING SUB-GRADE: RE GEOTECHNICAL REPORT
- 15 PERFORATED DRAIN PIPE: RE CIVIL
- 16 DECORATIVE AGGREGATE: RE SPECIFICATIONS

- NOTES:**
1. WALL TO BE CLAD ON ALL SIDES (AND TOP BY STONE CLADDING, (FIVE) TOTAL CLADDING PIECES (ONE) PER WALL FACE.
 2. INCLUDE HAND TOOLING WHERE WALL ABUTS ADJACENT UNIT PAVING, TYPICAL.
 3. ALL STONE WALLS TO RECEIVE MATT SEALER PRODUCT.
 4. CONTRACTOR SHALL PROVIDE SAMPLES, PRODUCE AND SUBMIT DRAWINGS PRIOR TO START OF WORK PER SPECIFICATIONS, PROVIDE MOCK-UP FOR REVIEW AND APPROVAL WITH INTERPRETIVE SIGNAGE.
 5. CONTRACTOR SHALL FIELD VERIFY EXISTING SUBGRADE CONDITIONS AT LOCATIONS SHOWN ON PLANS. INTEGRATE ALL EXISTING CONDITIONS TO SHOP DRAWINGS. COORDINATE WITH DESIGN TEAM IF ANY CONFLICTS FOUND IN FIELD PRIOR TO INSTALLATION OF CONSTRUCTED CONCRETE WALL PRIOR TO INSTALLING CLADDING.
 7. REFER TO CIVIL ENGINEER'S DRAWINGS FOR ADJACENT GRADING INFORMATION.



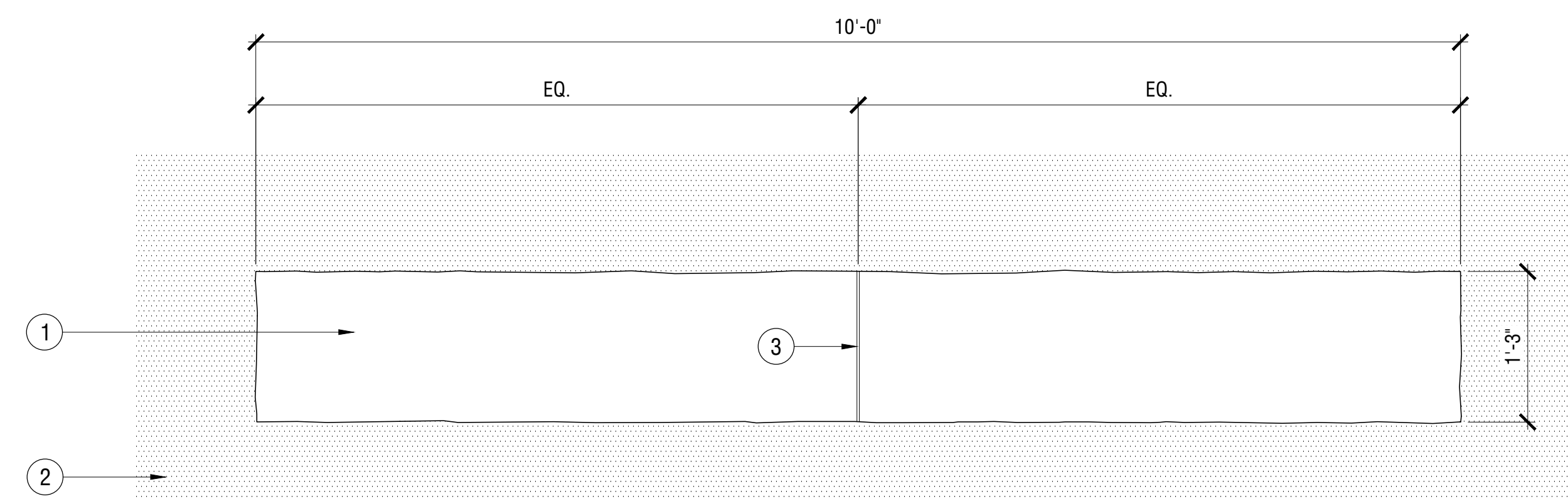
SECTION - STONE CLAD WALL (SW-06)
PP-AL-AM-20-CS-231

- ① LIMESTONE BLOCK, SPLIT FACE ON ALL VERTICAL SURFACES, HONED FINISH ON TO SURFACE RE: CONSTRUCTION SCHEDULE
- ② STONE BLOCKS SET 3" BELOW ADJACENT FINISH GRADE, RE: CONSTRUCTION PLANS
- ③ COMPACTED AGGREGATE BASE; RE: GEOTECHNICAL REPORT
- ④ COMPACTED SUB-GRADE; RE: GEOTECHNICAL REPORT
- ⑤ ADJACENT PAVING, VARIES PER PLAN RE: CONSTRUCTION PLANS
- ⑥ 1/4" FOAM EXPANSION JOINT WITH ELASTOMERIC JOINT SEALANT. MAINTAIN 1/4" GAP AT ALL EDGES



- ① LIMESTONE BLOCK, SPLIT FACE ON ALL VERTICAL SURFACES, HONED FINISH ON TOP SURFACE
RE: CONSTRUCTION SCHEDULE
- ② ADJACENT PAVING, VARIES PER PLAN RE: CONSTRUCTION PLANS
- ③ HONED SURFACE WHERE STONE BLOCK ARE JOINED TOGETHER

- 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.



PLAN - STONE SEAT WALL (SW-01C) 01

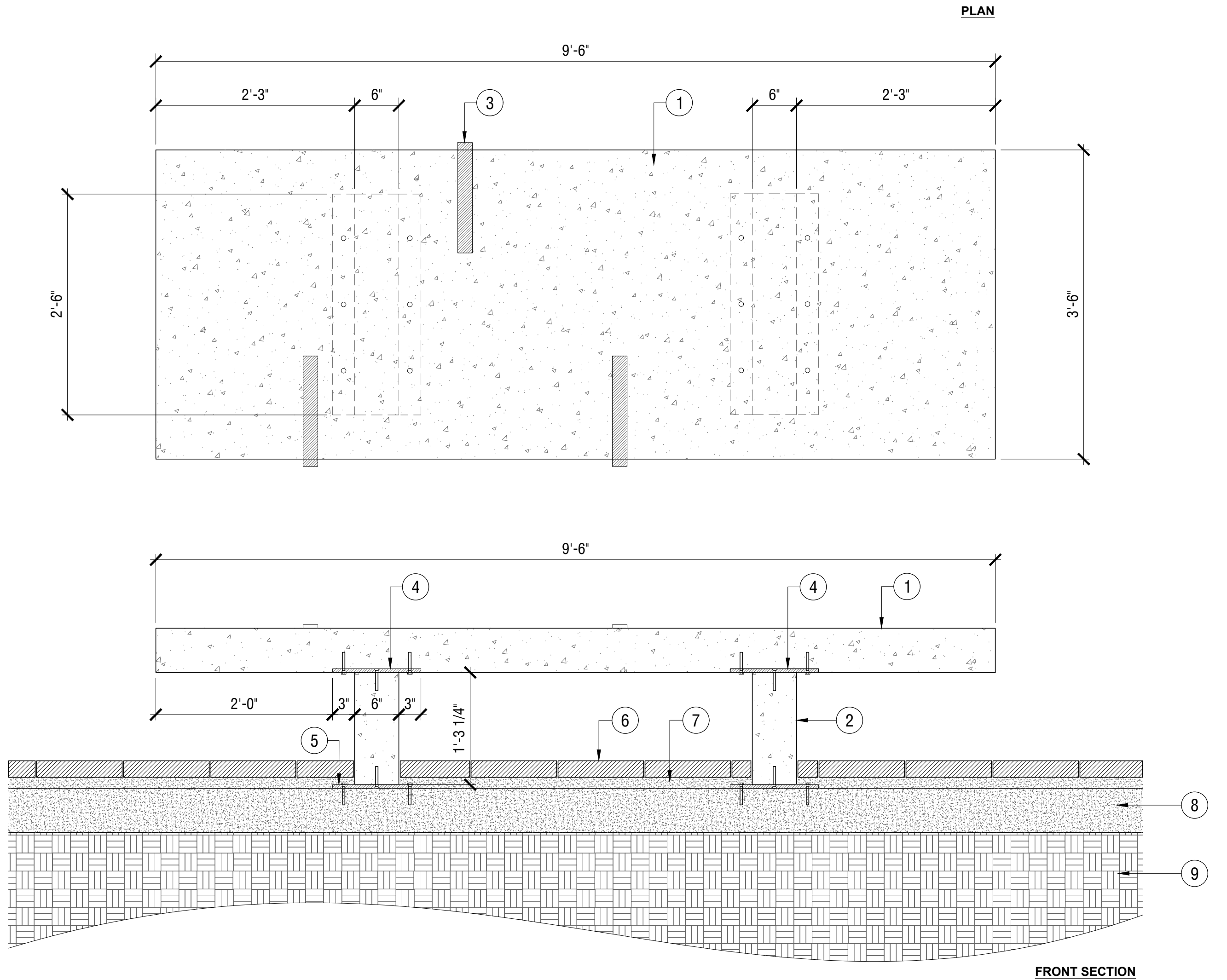
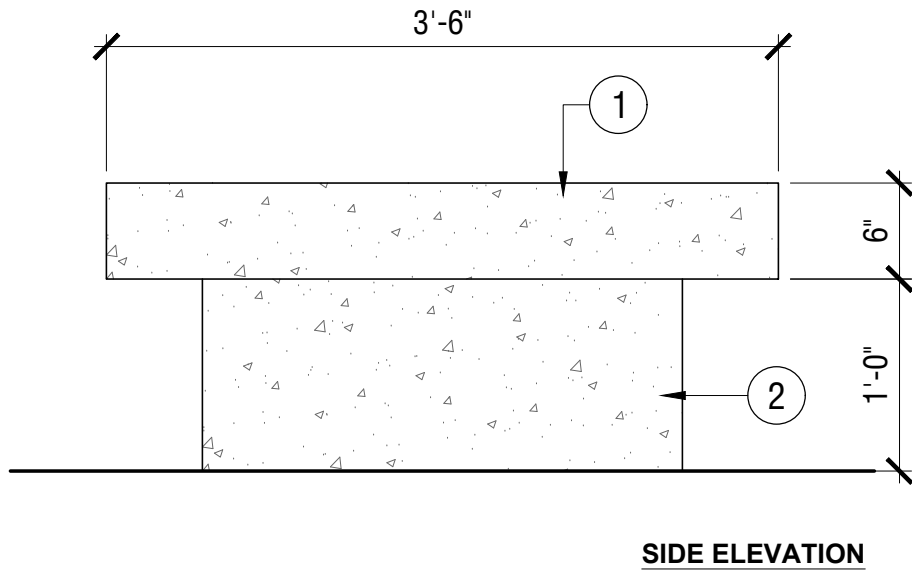
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SECTION - STONE SEAT WALL (SW-01C) 09

SCALE: 1" = 1'-0"

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- 1 PRECAST CONCRETE BENCH
RE: PHASE 1 STORAGE
- 2 PRECAST CONCRETE SUPPORT
RE: PHASE 1 STORAGE
- 3 SKATE DETERRENTS PRE-INSTALLED INTO CONCRETE BENCH
- 4 1/2" THICK METAL PLATE FLUSH WITH BOTTOM OF PRECAST BENCH
- 5 1/2" THICK METAL PLATE BOLTED TO CONCRETE FOOTING
- 6 ADJACENT PAVING
RE: CONSTRUCTION PLANS
RE: CONSTRUCTION SCHEDULE
- 7 SAND SETTING BED
RE: SPECS
- 8 REINFORCED CONCRETE SUB-SLAB;
RE: CIVIL ENGINEER
- 9 COMPACTED SUBGRADE
RE: GEOTECH



SCALE: 1" = 1'-0"

- 1 WOOD MEMBERS, DIMENSIONS VARY;
RE: CONSTRUCTION SCHEDULE
- 2 METAL LEG SUPPORTS ANCHORED TO CONCRETE
SLAB BELOW RE: CONSTRUCTION SCHEDULE
- 3 MAINTENANCE OUTLET CONCEALED ON UNDERSIDE
OF BENCH RE: MEP
- 4 LIGHT FIXTURE AND ASSOCIATED
ELECTRICAL JUNCTION BOX CONCEALED ON
UNDERSIDE OF BENCH RE: ELECTRICAL PLANS RE:
LIGHTING PLANS
- 5 METAL BRACKETS SUPPORT WOOD MEMBERS

WOOD MEMBER TYPOLOGIES:

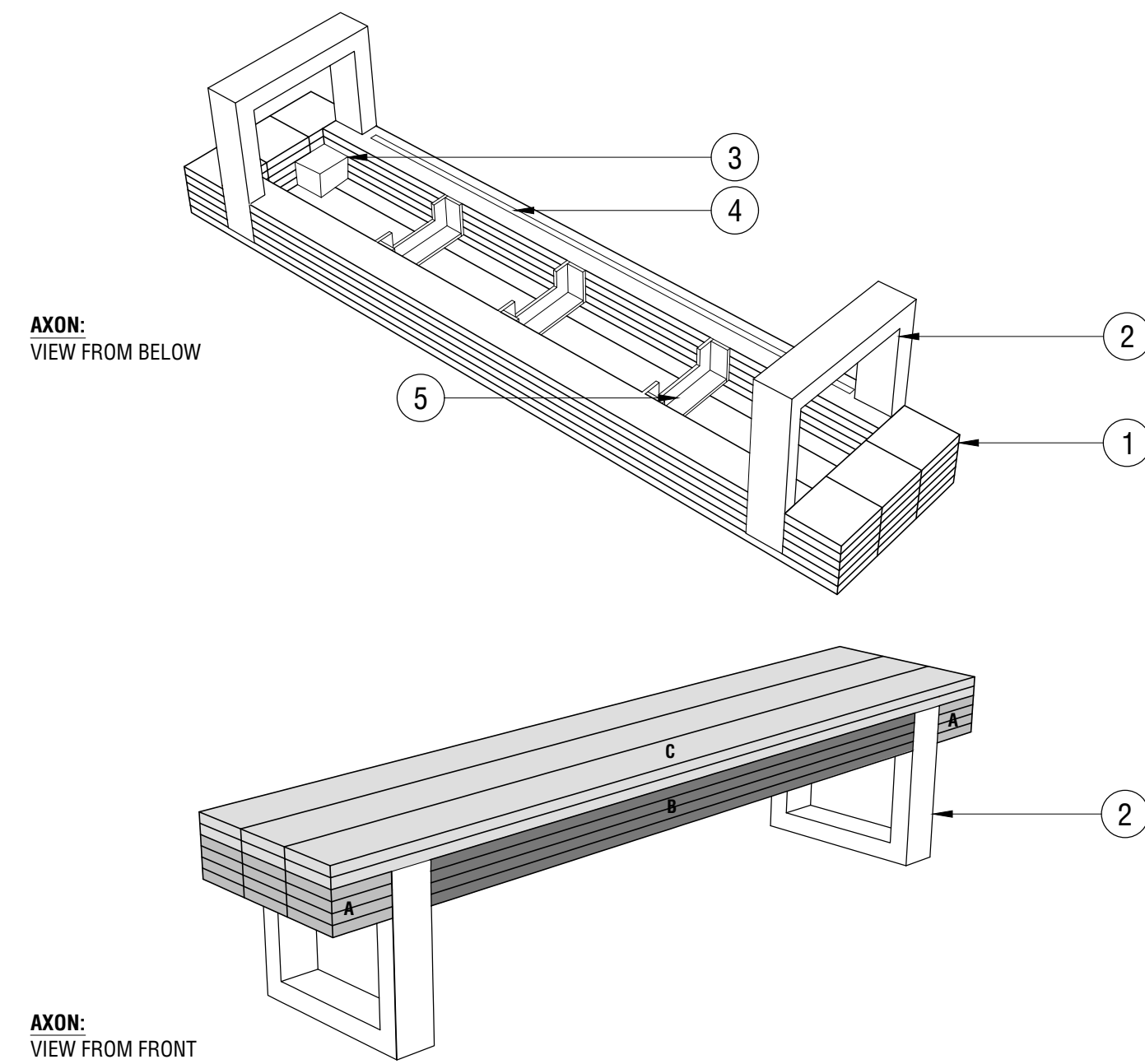
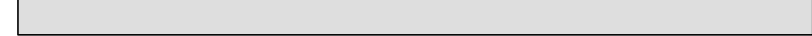
TYPOLOGY A: 6" X 6"



TYPOLOGY B: 6" X 72"



TYPOLOGY C: 6" X 84"

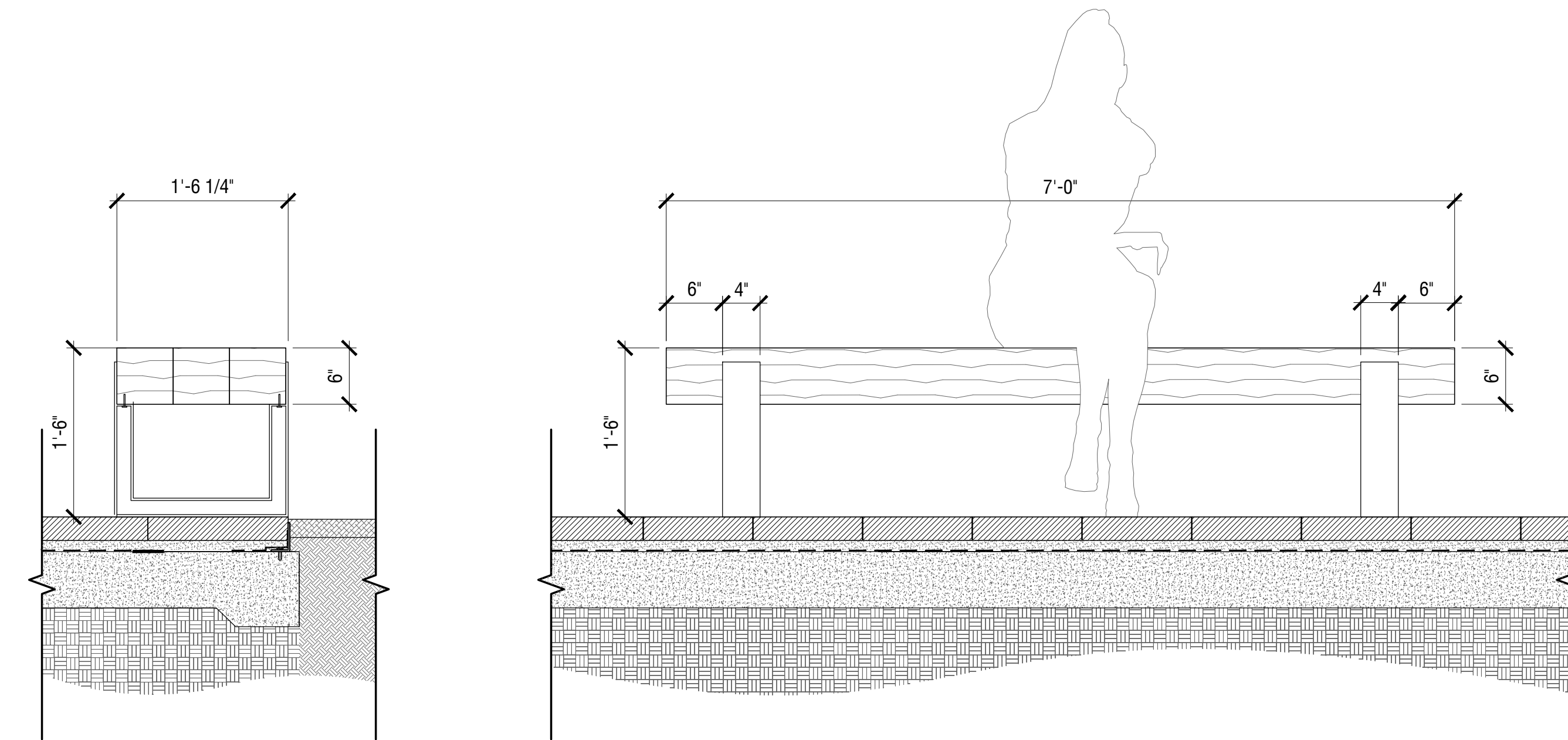
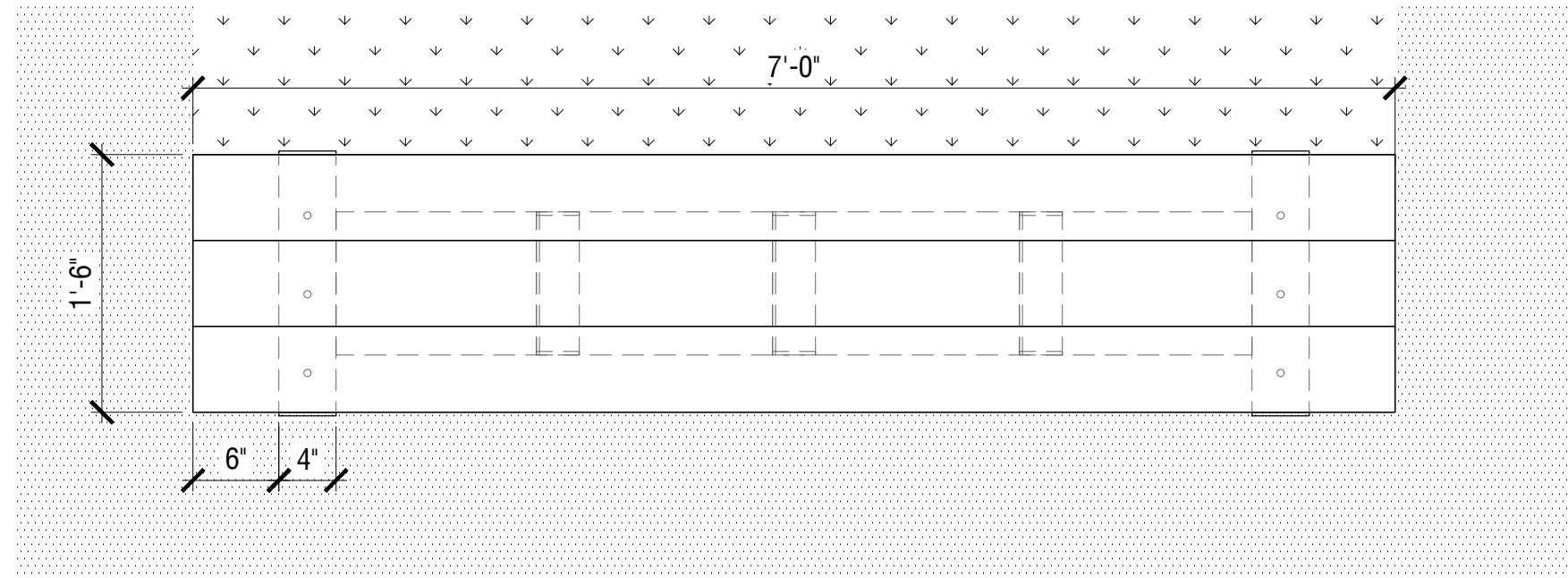


SCALE: 1/8" = 1'-0"

PERSPECTIVE - WOOD BENCH (SF-01) 09

SCALE: 1" = 1'-0"

DETAIL - PRECAST CONCRETE BENCH (SF-06B) 03



DETAIL - CUSTOM WOOD BENCH (SF-01A) 01

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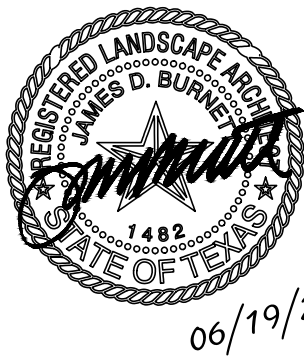
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Description

CONSTRUCTION DETAILS

Scale

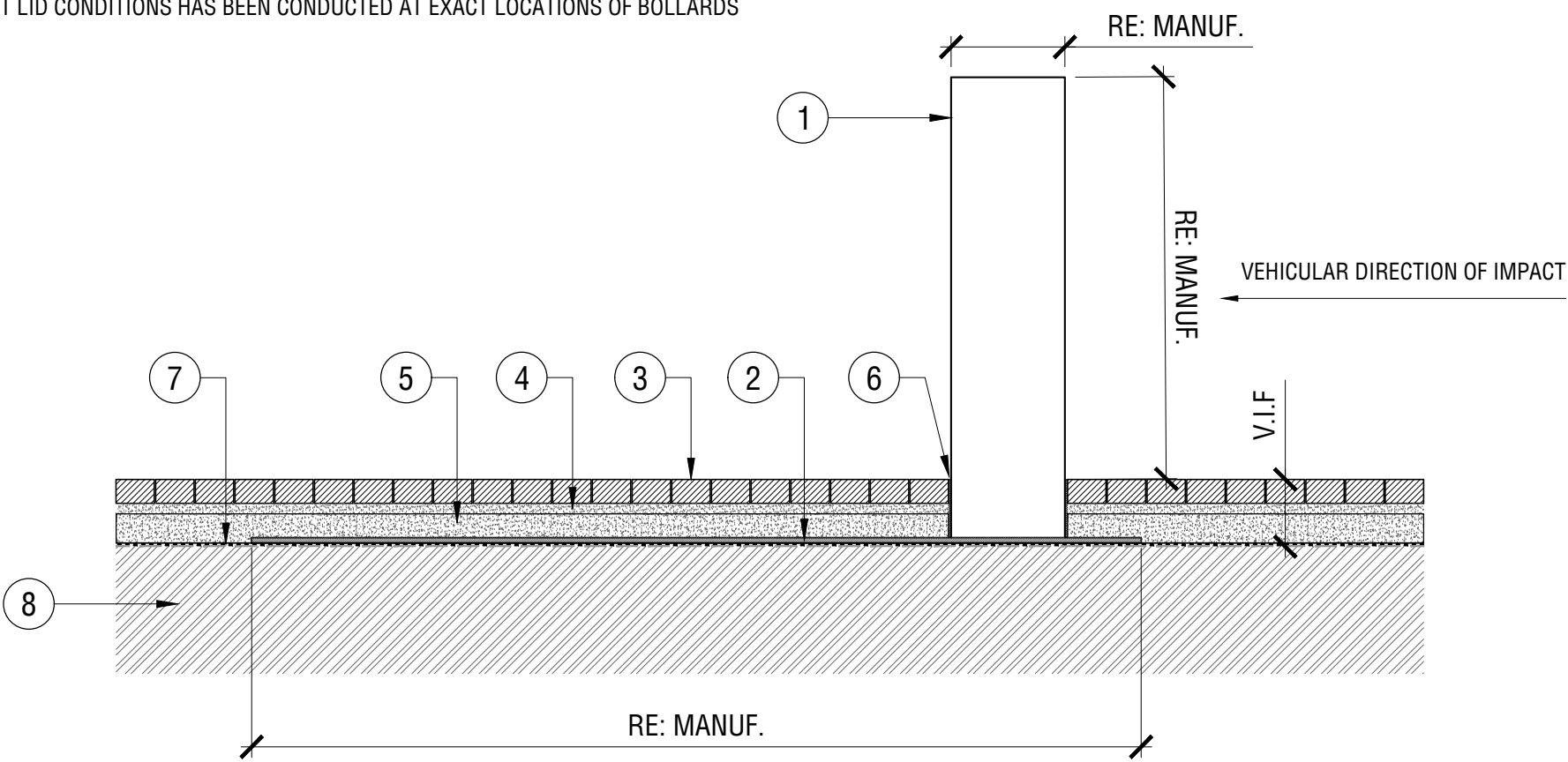
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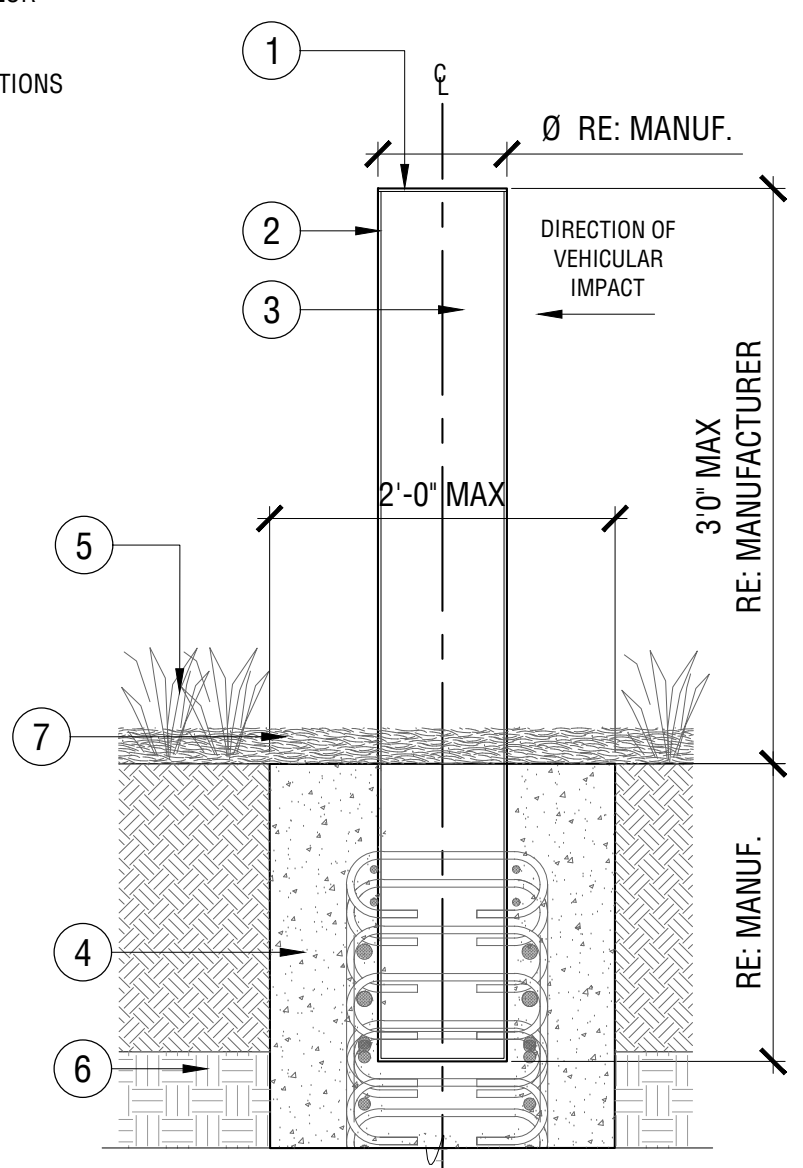
- STEEL BOLLARD MOUNTED TO SPREAD BASE PLATE
RE: CONSTRUCTION SCHEDULE AND SPECIFICATIONS
- STEEL MOUNTING PLATE
RE: MANUFACTURER'S RECOMMENDATIONS FOR DIMENSIONS
- ADJACENT PAVING
RE: CONSTRUCTION SCHEDULE AND PLANS
- SAND SETTING BED
RE: SPECS
- REINFORCED CONCRETE SUB-SLAB;
RE: CIVIL ENGINEER
- EXPANSION JOINT
RE: SPECS
- EXISTING WATERPROOFING ASSEMBLY AT OUTER
FACES OF BUILDING, RE: FIELD CONDITIONS AND ARCHITECT
- EXISTING BASEMENT
RE: SURVEYED FIELD CONDITIONS

- NOTES:
- STEEL MOUNTING PLATE DESIGN INCLUDING LAYOUT AND THICKNESS WILL BE PROVIDED BY INSTALLING CONTRACTOR. CONTRACTOR SHALL ENSURE DIMENSIONS MEET MANUFACTURER RECOMMENDATIONS PRIOR TO FABRICATION
 - CONTRACTOR TO PROVIDE DETAILED SHOP DRAWINGS FOR REVIEW AND APPROVAL BY DESIGN TEAM PRIOR TO FABRICATION.
 - CONTRACTOR TO FIELD VERIFY BOLLARD LAYOUT AND ALL STRUCTURAL CONDITIONS PRIOR TO SHOP DRAWING PREPARATION AND PRIOR TO INSTALLATION
 - REFER TO ARCHITECT FOR REQUIRED WATERPROOFING SCOPE OF WORK AT EXISTING BUILDINGS/BASEMENTS. TYPICAL CONTRACTOR SHALL FIELD VERIFY CONDITIONS AT EXISTING BASEMENTS WITH DESIGN TEAM. PROVIDE SHOP DRAWINGS AS REQUIRED TO FULLY COORDINATE REQUIRED WORK AROUND BASEMENT LIDS PRIOR TO START OF WORK
 - ANCHORING OPTIONS FOR BOLLARD AND STEEL MOUNTING PLATE OVER BASEMENTS TO BE COORDINATED WITH DESIGN AND ENGINEERING TEAM AFTER PRECISE SURVEYING OF BASEMENT LID CONDITIONS HAS BEEN CONDUCTED AT EXACT LOCATIONS OF BOLLARDS



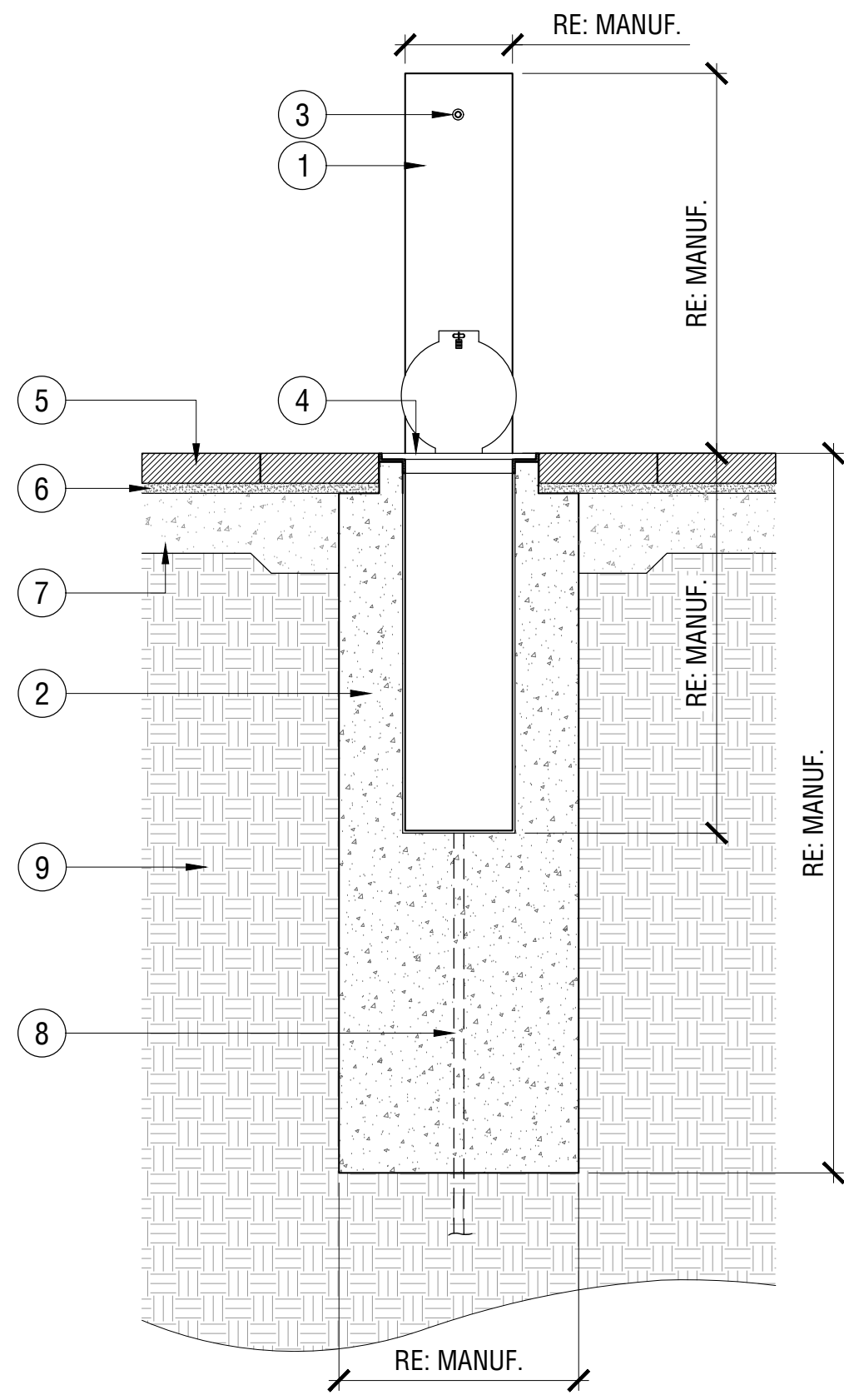
SECTION - SHALLOW MOUNT FIXED BOLLARD (BO-03) 09

- 1/4" FLAT CAP WELDED TO STEEL PIPE, RE: MANUFACTURER, COLOR AND FINISH PER CONSTRUCTION SCHEDULE
- STEEL BOLLARD; RE: CONSTRUCTION SCHEDULE AND SPECIFICATIONS
- CONCRETE INFILL; RE: MANUFACTURER
- CONCRETE FOOTING AND REINFORCEMENT; RE: MANUFACTURER
- ADJACENT PLANTING BED; RE: PLANTING PLANS
- EXISTING SUB-GRADE; RE: GEOTECHNICAL REPORT
- MULCH LAYER; RE: SPECIFICATIONS



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

- STEEL REMOVABLE BOLLARD
RE: CONSTRUCTION SCHEDULE AND SPECIFICATIONS
- CONCRETE FOOTING AND REINFORCEMENT
RE: MANUFACTURER
- INTERNAL LOCKING MECHANISM
RE: MANUFACTURER
- EMBEDMENT SLEEVE AND HINGING LID, LID SHALL BE H20 VEHICULAR LOAD COMPLIANT
RE: MANUFACTURER
- ADJACENT PAVING
RE: CONSTRUCTION SCHEDULE AND PLANS
- SAND SETTING BED
RE: SPECS
- REINFORCED CONCRETE SUB-SLAB
RE: CIVIL ENGINEER
- DRAIN TIE-INS TO REMOVABLE BOLLARD SLEEVE
RE: CIVIL ENGINEER
- EXISTING SUB-GRADE
RE: GEOTECHNICAL REPORT

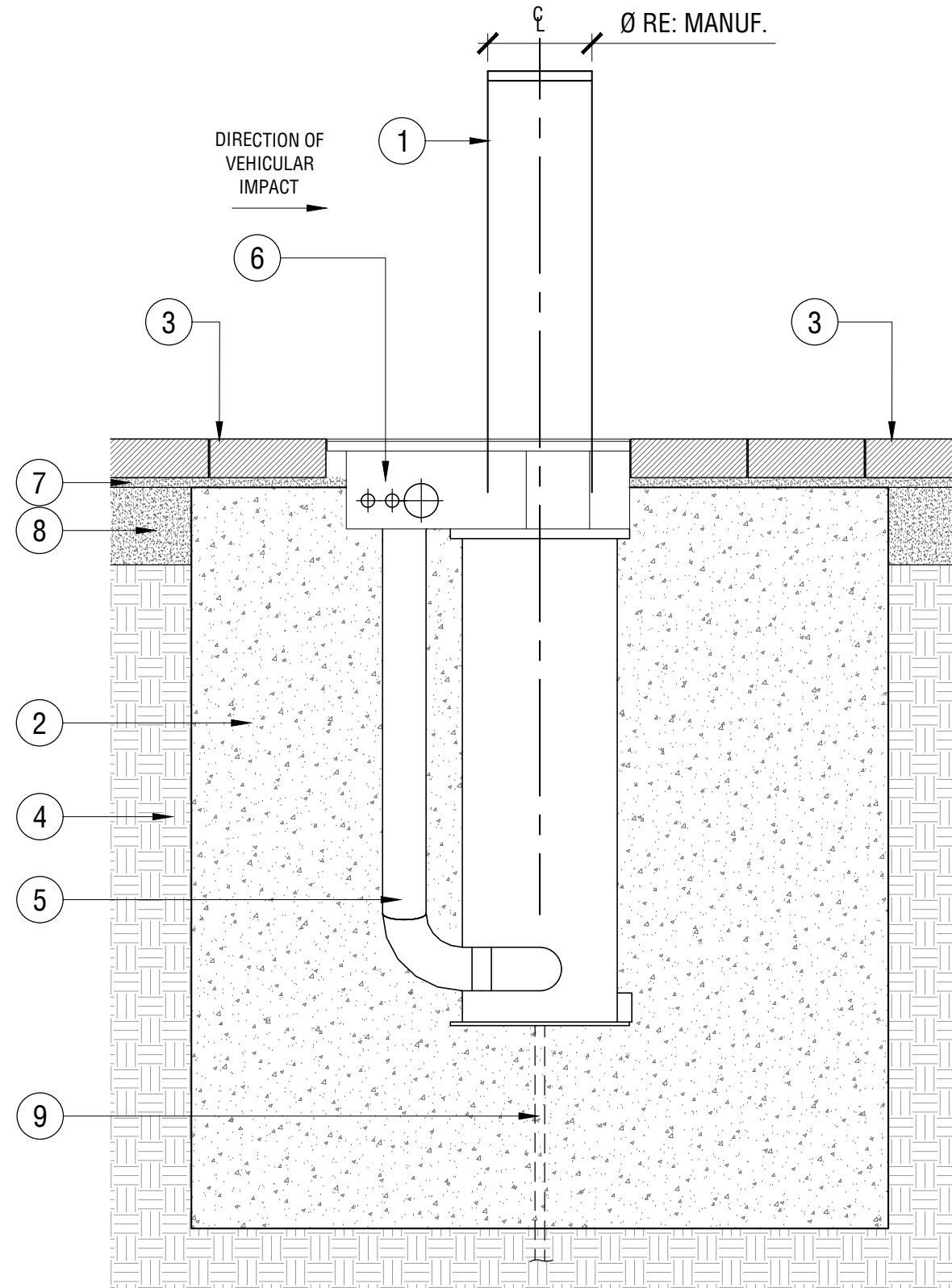


SECTION - MANUAL REMOVABLE BOLLARD (BO-05) 05

- NOTES:
- CONTRACTOR TO PROVIDE DETAILED SHOP DRAWINGS FOR REVIEW AND APPROVAL BY DESIGN TEAM PRIOR TO FABRICATION
 - REFER TO CONSTRUCTION SCHEDULE FOR ALL COLORS AND FINISHES
 - CONTRACTOR SHALL ENSURE PROPER DRAINAGE FROM BOLLARD SLEEVE PER CIVIL ENGINEER, TYPICAL

- STEEL RETRACTABLE BOLLARD; RE: CONSTRUCTION SCHEDULE AND SPECIFICATIONS
- CONCRETE FOOTING AND REINFORCEMENT; RE: MANUFACTURER
- ADJACENT PAVING; RE: CONSTRUCTION PLANS
- EXISTING SUB-GRADE; RE: GEOTECHNICAL REPORT
- INTERNAL HARDWARE; RE: MANUFACTURER
- BOLLARD INTERCONNECTION BOX; RE: MANUFACTURER
- SAND SETTING BED RE: SPECS
- REINFORCED CONCRETE SUB-SLAB; RE: CIVIL ENGINEER
- DRAIN TIE-INS TO OPERABLE BOLLARD SLEEVES; RE: CIVIL ENGINEER

- NOTES:
- CONTRACTOR TO PROVIDE DETAILED SHOP DRAWINGS FOR REVIEW AND APPROVAL BY DESIGN TEAM PRIOR TO FABRICATION
 - REFER TO CONSTRUCTION SCHEDULE FOR ALL COLORS AND FINISHES
 - CONTRACTOR SHALL ENSURE PROPER DRAINAGE FROM BOLLARD SLEEVE PER CIVIL ENGINEER, TYPICAL



SECTION - OPERABLE SECURITY BOLLARD (BO-01) 01

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Seal / Signature



△ Date Description

06/19/2024 ISSUE FOR CONSTRUCTION

Project Name

ALAMO SITE - AREA 2C -
PROMENADE

Project Number

122.0076.202

Description

CONSTRUCTION DETAILS

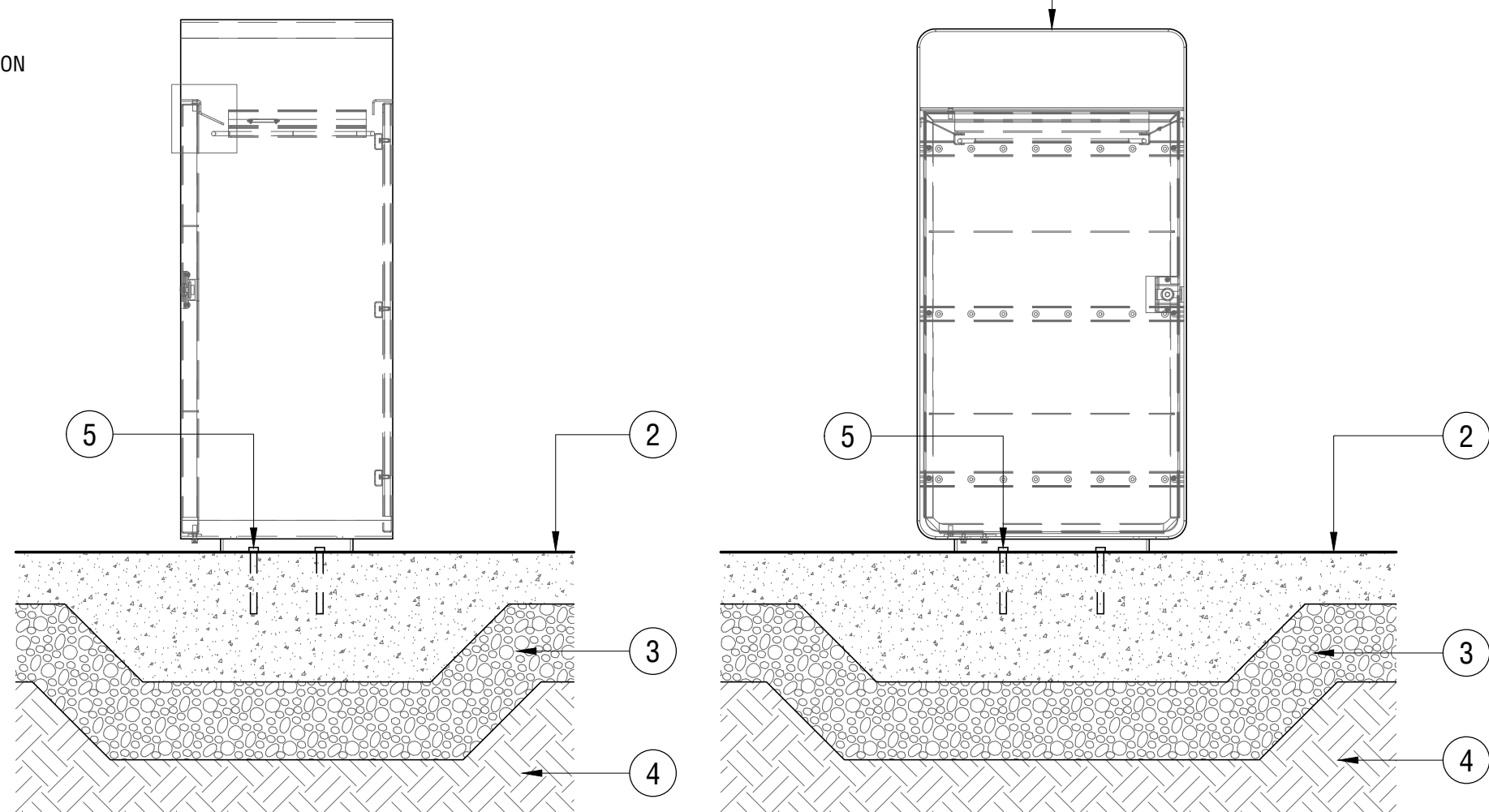
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L3.04

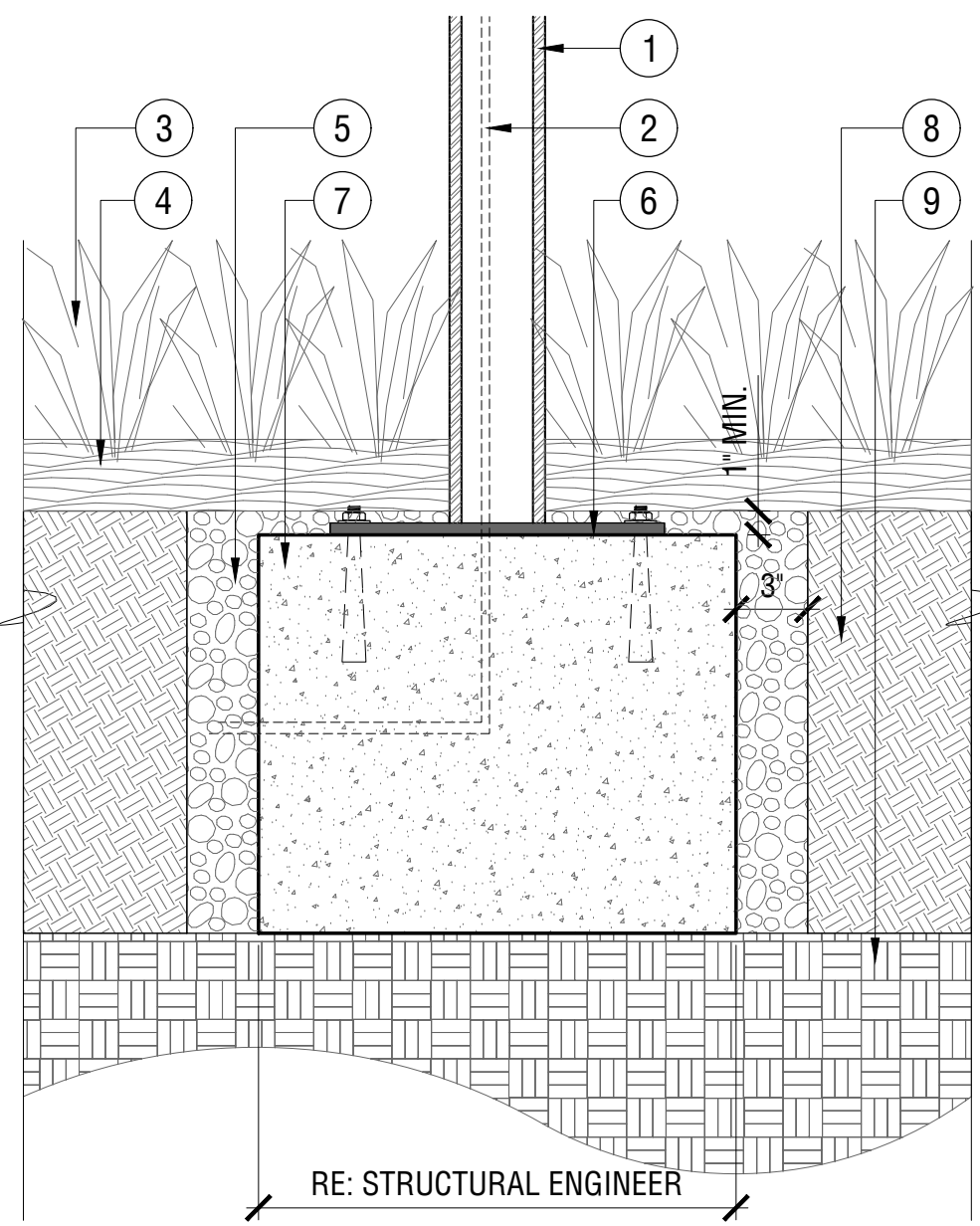
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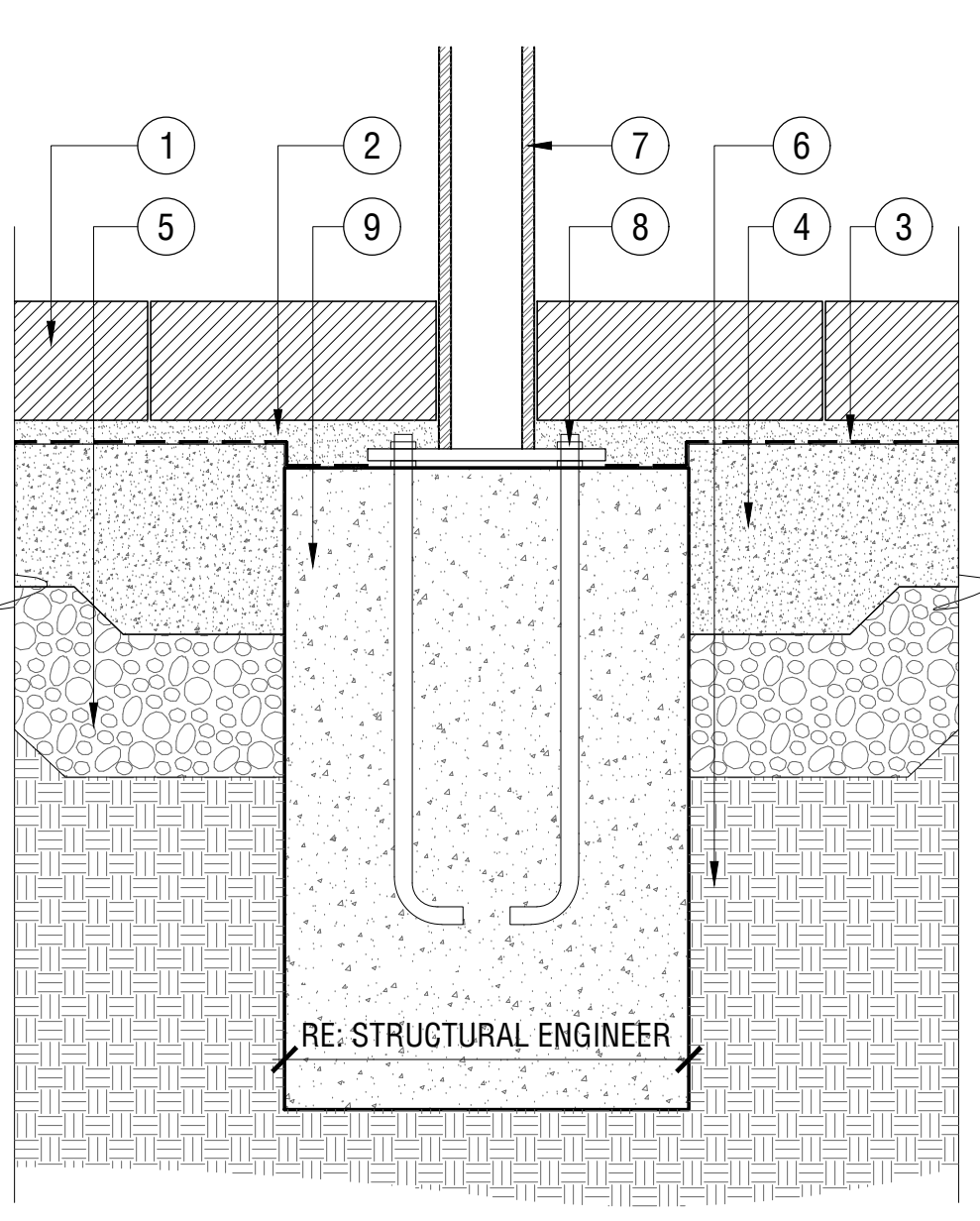
- 1 LITTER AND RECEPTACLE
RE: CONSTRUCTION SCHEDULE L100A AND DETAIL
D11.100C FOR FINISH AND COLOR.
- 2 ADJACENT CONCRETE PAVING. RE: CONSTRUCTION
PLAN AND SCHEDULE
- 3 COMPACTED AGGREGATE SUB-BASE
- 4 PREPARED SUBGRADE
- 5 CONCRETE ANCHOR



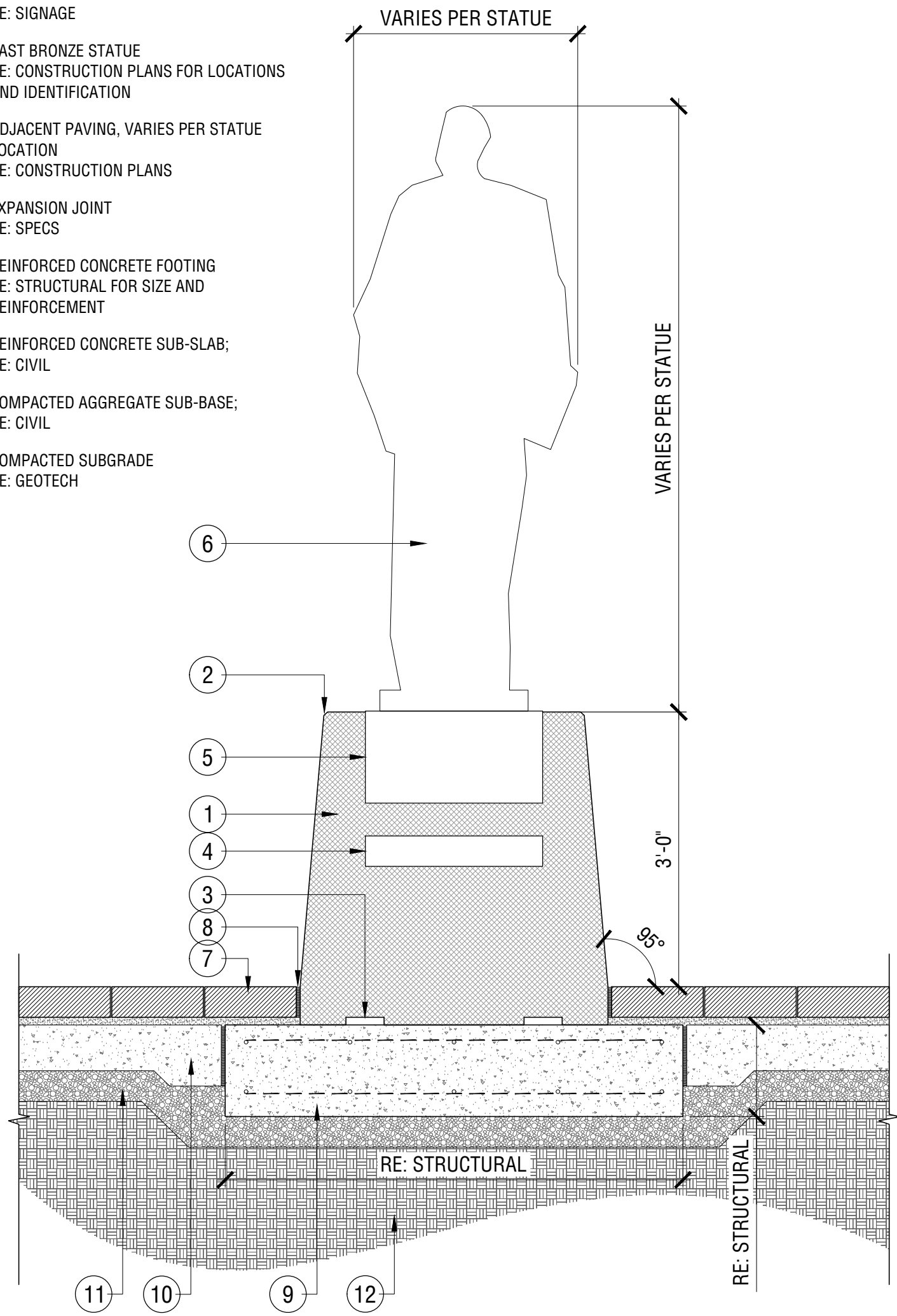
- 1 POLE LIGHT; RE: LIGHTING PLANS
- 2 ELECTRICAL CONDUIT; RE: ELECTRICAL
PLANS
- 3 ADJACENT PLANTING; RE: PLANTING
PLANS
- 4 3" MINIMUM MULCH
- 5 3" OVERALL GRAVEL BAND WITH 1"
MINIMUM AT TOP OF CONCRETE BASE
- 6 BASE PLATE AND ANCHORING BOLTS; RE:
MANUFACTURER
- 7 REINFORCED CONCRETE FOOTING; RE:
STRUCTURAL ENGINEER
- 8 PLANTING SOIL
- 9 COMPACTED SUBGRADE



- 1 ADJACENT CONCRETE UNIT PAVEN; RE:
CONSTRUCTION SCHEDULE
- 2 MORTAR SETTING BED; RE: SPECS
- 3 GEOTEXTILE FABRIC; EXTEND 6" BEYOND
ALL SIDES OF JOINTS; RE: SPECS
- 4 REINFORCED CONCRETE SUB-SLAB; RE:
CIVIL
- 5 COMPACTED AGGREGATE SUB-BASE; RE:
CIVIL
- 6 COMPACTED SUBGRADE; RE: GEOTECH
- 7 POLE LIGHT; RE: LIGHTING PLANS
- 8 BASE PLATE AND ANCHOR BOLTS; RE:
MANUFACTURER
- 9 REINFORCED CONCRETE FOOTING; RE:
STRUCTURAL



- 1 MONOLITHIC GRANITE BLOCK BASE
RE: CONSTRUCTION SCHEDULE FOR COLOR
AND FINISH
RE: CONSTRUCTION PLANS FOR LOCATIONS
- 2 1/2" CHAMFER ON TOP EDGE OF GRANITE
- 3 SLOTS TO BE CUT INTO BASE OF GRANITE
BLOCK TO AD LIFTING INTO PLACE DURING
INSTALLATION
- 4 ETCHED AND FILLED SIGNAGE ELEMENT
RE: SIGNAGE
- 5 1/8" GRAPHIC PLATE ADHERED TO GRANITE
RE: SIGNAGE
- 6 CAST BRONZE STATUE
RE: CONSTRUCTION PLANS FOR LOCATIONS
AND IDENTIFICATION
- 7 ADJACENT PAVING; VARIES PER STATUE
LOCATION
RE: CONSTRUCTION PLANS
- 8 EXPANSION JOINT
RE: SPECS
- 9 REINFORCED CONCRETE FOOTING
RE: STRUCTURAL FOR SIZE AND
REINFORCEMENT
- 10 REINFORCED CONCRETE SUB-SLAB;
RE: CIVIL
- 11 COMPACTED AGGREGATE SUB-BASE;
RE: CIVIL
- 12 COMPACTED SUBGRADE
RE: GEOTECH



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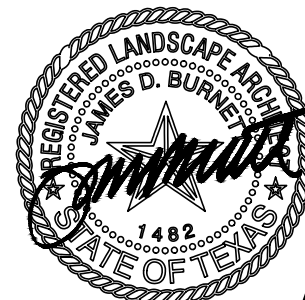
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06/19/2024

06/19/2024 ISSUE FOR CONSTRUCTION

Project Name

ALAMO SITE - AREA 2C -
PROMENADE

Project Number

122.0076.202

Description

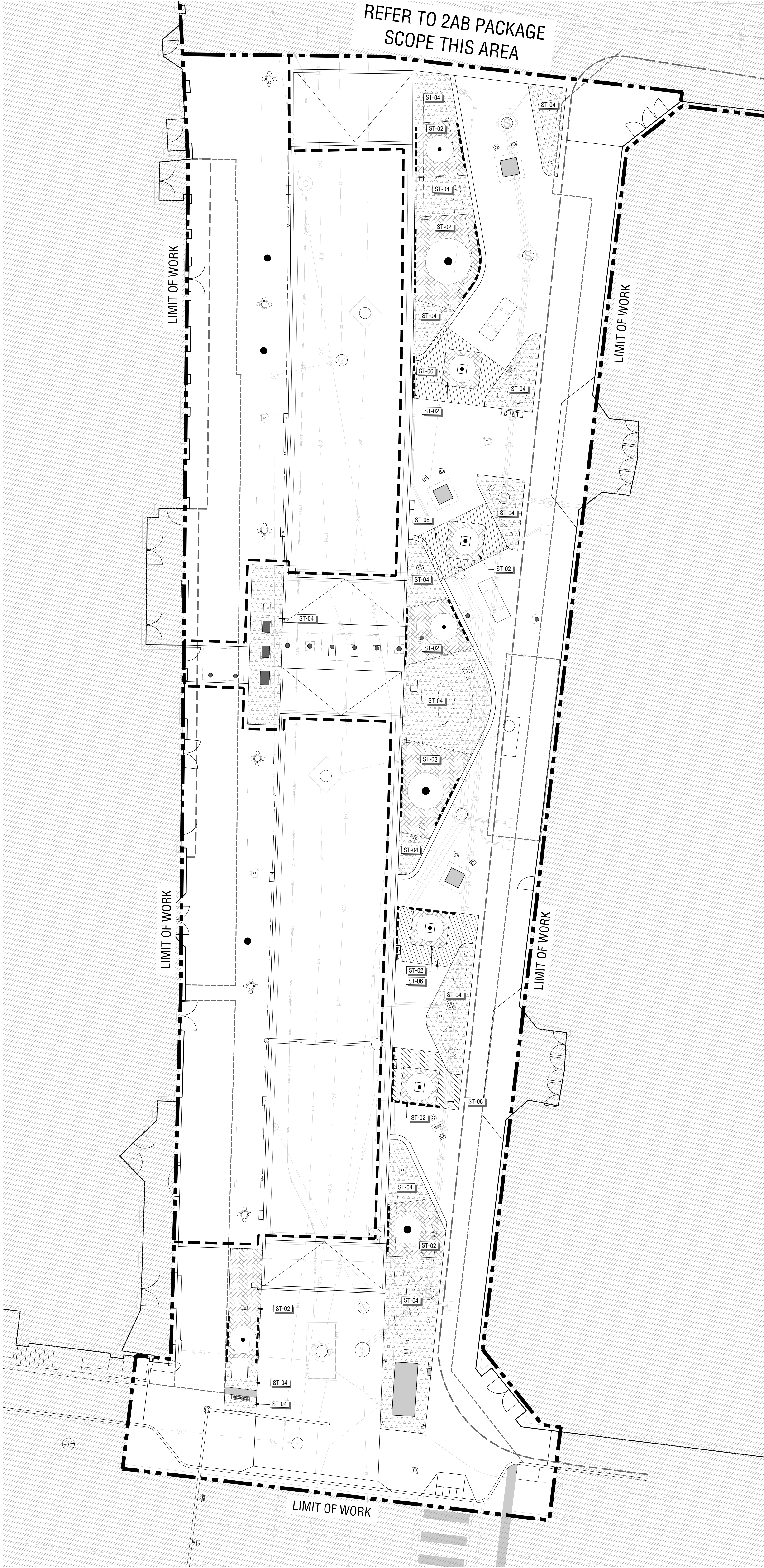
CONSTRUCTION DETAILS

Scale

L3.05

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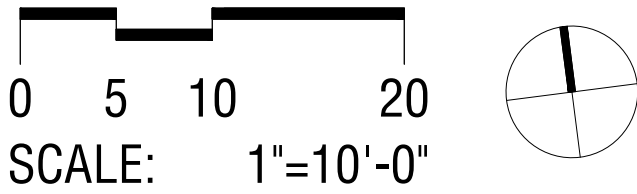


SOIL LEGEND

HATCH	CODE	DESCRIPTION
[Pattern]	ST-01	NOT USED THIS PHASE
[Pattern]	ST-02	IMPORTED PLANTING SOIL: 42" MIN. DEPTH
[Pattern]	ST-03	NOT USED THIS PHASE
[Pattern]	ST-04	IMPORTED PLANTING SOIL: 24" MIN. DEPTH
[Pattern]	ST-05	NOT USED THIS PHASE
[Pattern]	ST-06	SAND BASED STRUCTURAL SOIL AT 36" DEPTH
[Symbol]		ROOTBALL LOCATION PER PLANTING PLANS
[Symbol]		ROOT BARRIER, RE. SPECIFICATION 32 93 00

NOTES

1. REFER TO SPECIFICATION 32 91 15 - LANDSCAPE SOIL PREPARATION.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF SOILS AS INDICATED ON THE PLANS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING WATERPROOFING, PROTECTION BOARD AND ALL APPURTENANCES. PLAN PROVIDED FOR REFERENCE.
4. 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.
5. CONTRACTOR TO REFER TO SPECIFICATION SECTION 32 91 15 FOR ADDITIONAL INFORMATION.
6. 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.
7. 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.
8. 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.
9. EXCAVATION FOR SOIL INSTALLATION SHALL TAKE INTO ACCOUNT THE LIFE AND GOOD HEALTH OF THE EXISTING TREES ON SITE. THE EXISTING TREE PROTECTION DRAWINGS (L4.01) AND TEMPORARY TREE PROTECTION SPECIFICATION 01 56 39 SHALL BE REVIEWED AND FOLLOWED TO ENSURE TREE PROTECTION.
10. PRIOR TO BEGINNING WORK, THE CONTRACTOR IS REQUIRED TO MEET WITH THE PROJECT ARBORIST AT THE SITE TO REVIEW ALL WORK PROCEDURES, ACCESS ROUTES, STORAGE AREAS AND TREE PROTECTION MEASURES.
11. ALL EXCAVATION WORK DONE WITHIN THE TREE PROTECTION FENCE AND CRITICAL ROOT ZONE TO BE DONE BY HAND AND REQUIRES PERMISSION PRIOR TO ENTRY.



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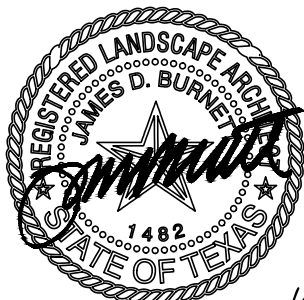
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Date Description

06/19/2024 ISSUE FOR CONSTRUCTION

Project Name

ALAMO SITE - AREA 2C -
PROMENADE

Project Number

122.0076.202

Description

SOILS PLANS - EAST SCULPTURE TRAIL

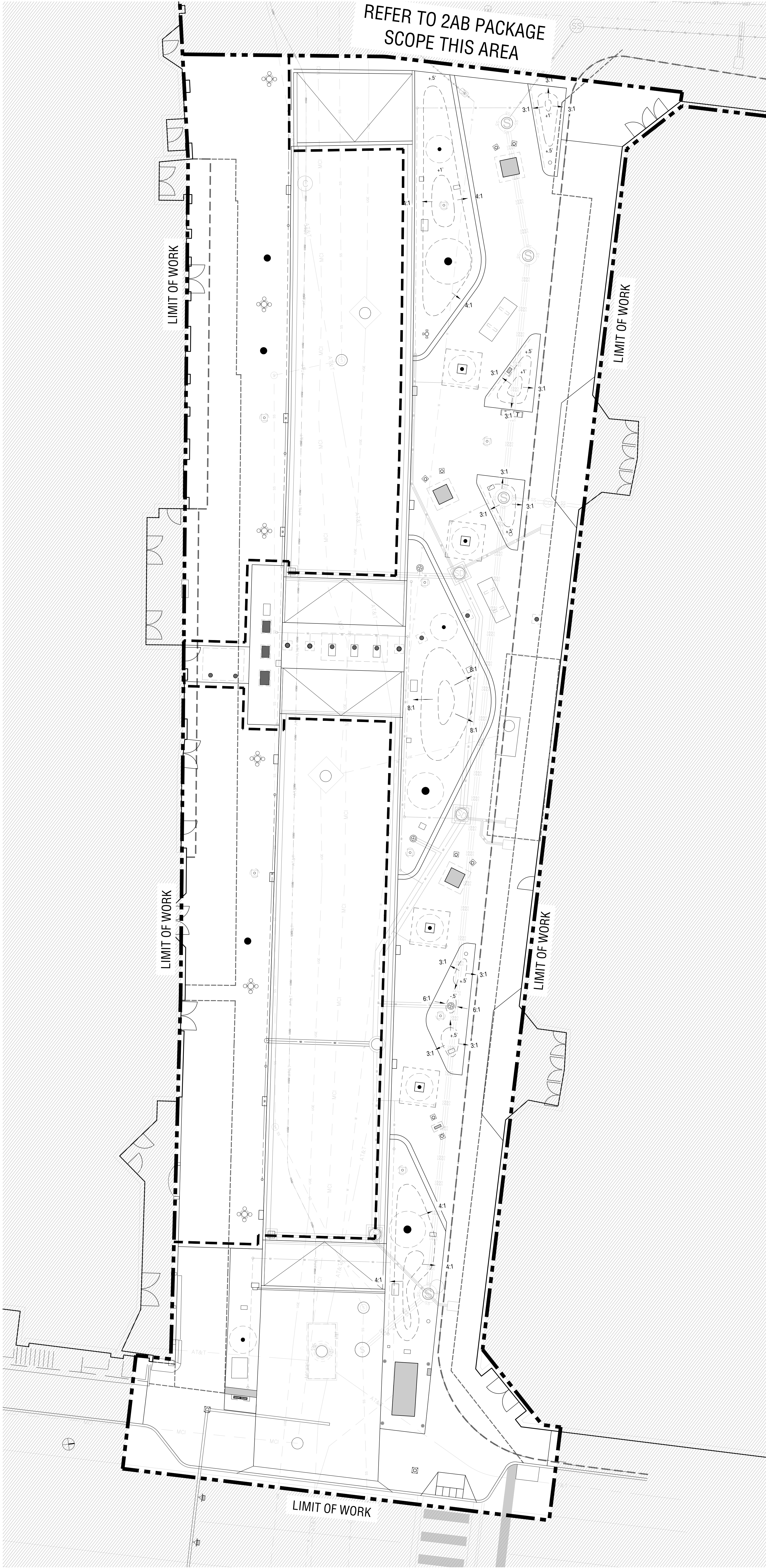
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L4.01A

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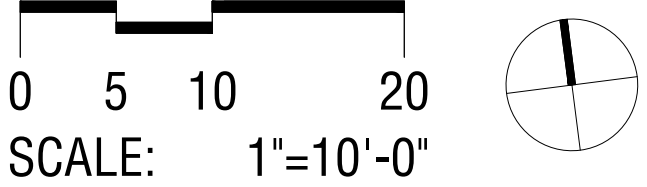


GRADING LEGEND

SYMBOL	DESCRIPTION
-----	6" CONTOUR LINE
-----	1" CONTOUR LINE
→	MAX SLOPE

NOTES

1. FINE GRADING PLANS REFER TO SCULPTING OF THE BURNED PLANTER AREAS ONLY
2. ALL FINE GRADING OF BERMS TO BE REVIEWED AND APPROVED IN THE FIELD BY THE LANDSCAPE ARCHITECT
3. REFER TO CIVIL PLANS FOR GRADING ELEVATIONS OF ALL PAVING AREAS



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ALAMO SITE - AREA 2C -
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Project Number

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Description

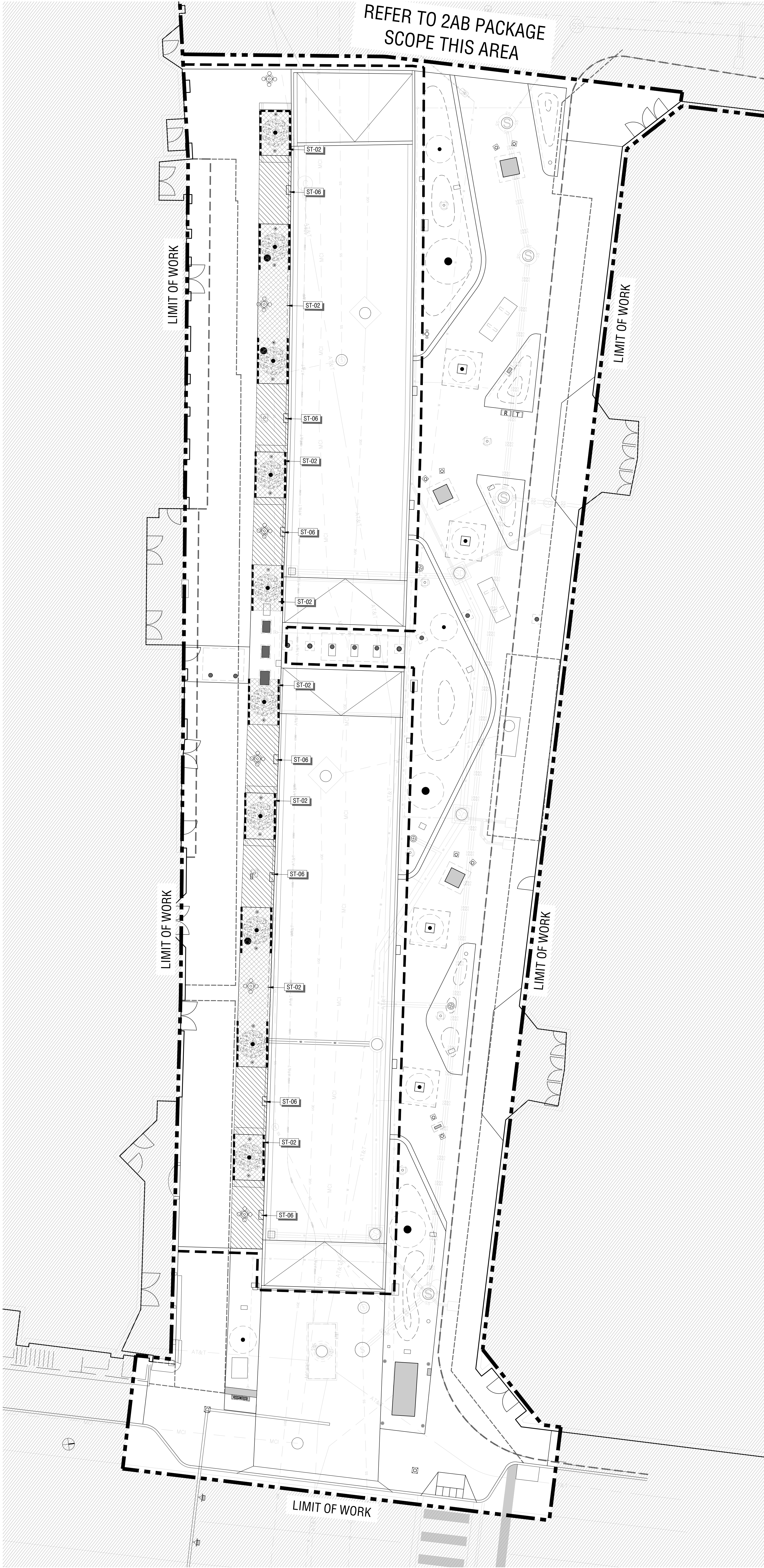
GRADING PLANS - EAST SCULPTURE
TRAIL

Scale

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L4.01B

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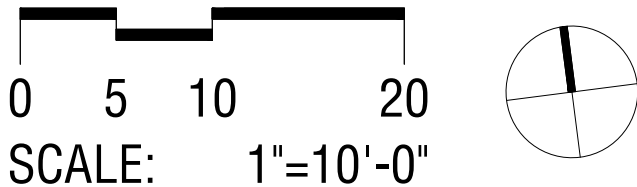


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[Pattern]	ST-02	IMPORTED PLANTING SOIL: 42" MIN. DEPTH
[Pattern]	ST-03	NOT USED THIS PHASE
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[Symbol]		ROOTBALL LOCATION PER PLANTING PLANS
[Symbol]		ROOT BARRIER, RE. SPECIFICATION 32 93 00

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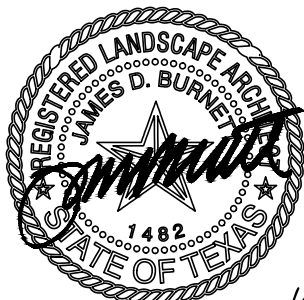
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06/19/2024

Date Description

06/19/2024 ISSUE FOR CONSTRUCTION

Project Name

ALAMO SITE - AREA 2C -
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Project Number

122.0076.202

Description

SOILS PLANS - WEST PROMENADE

Scale

1" = 10'-0"

L4.02

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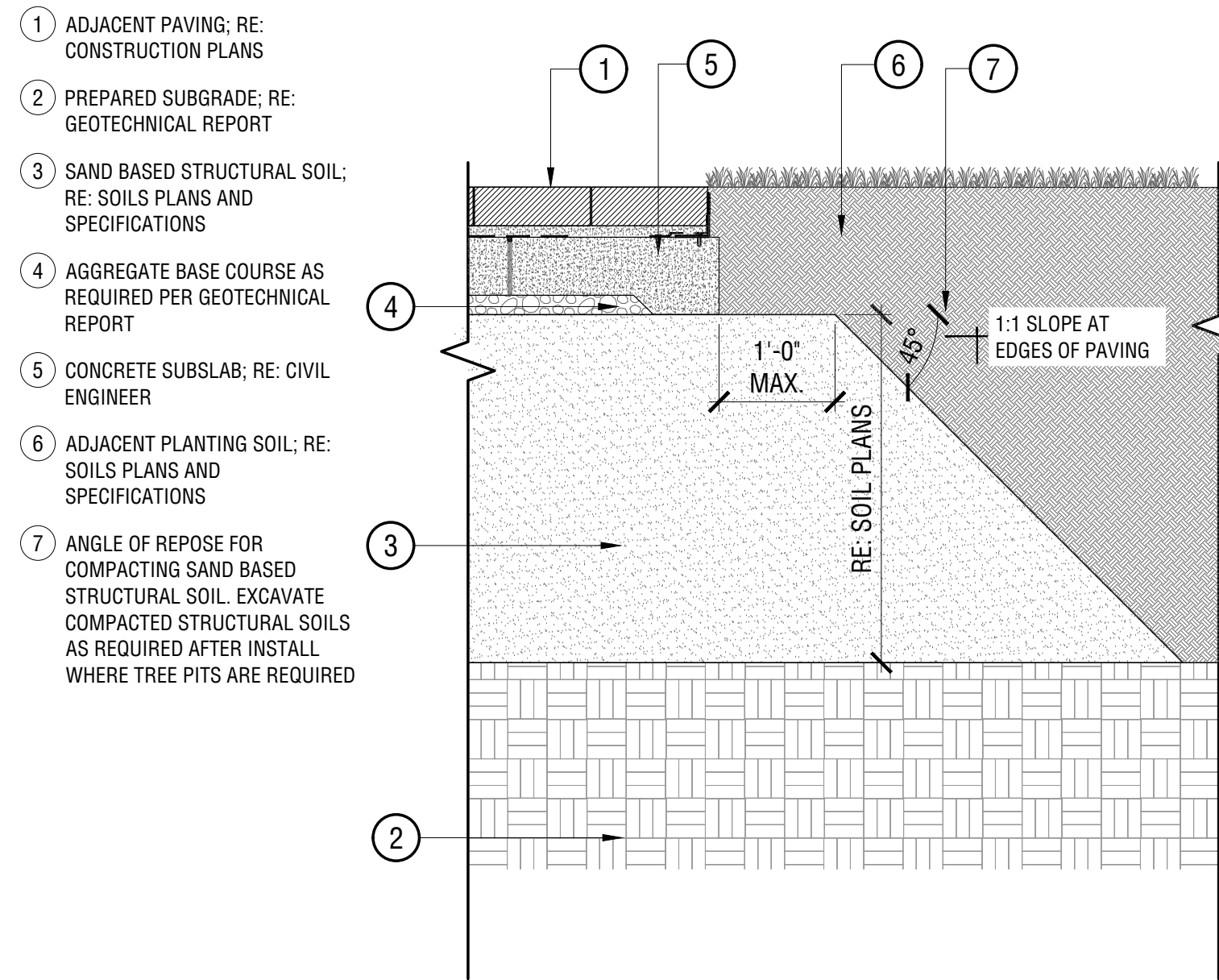
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SOILS DETAILS

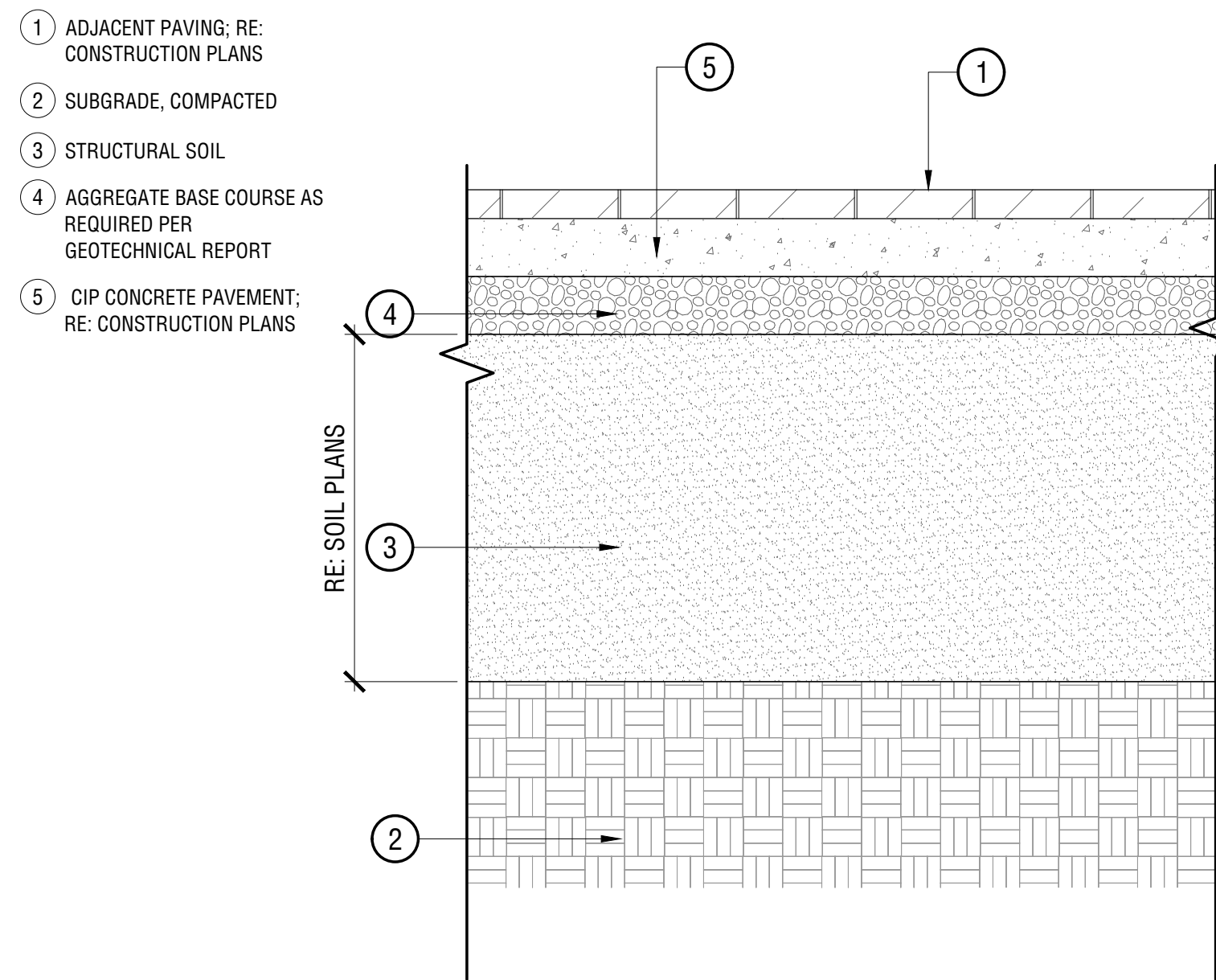
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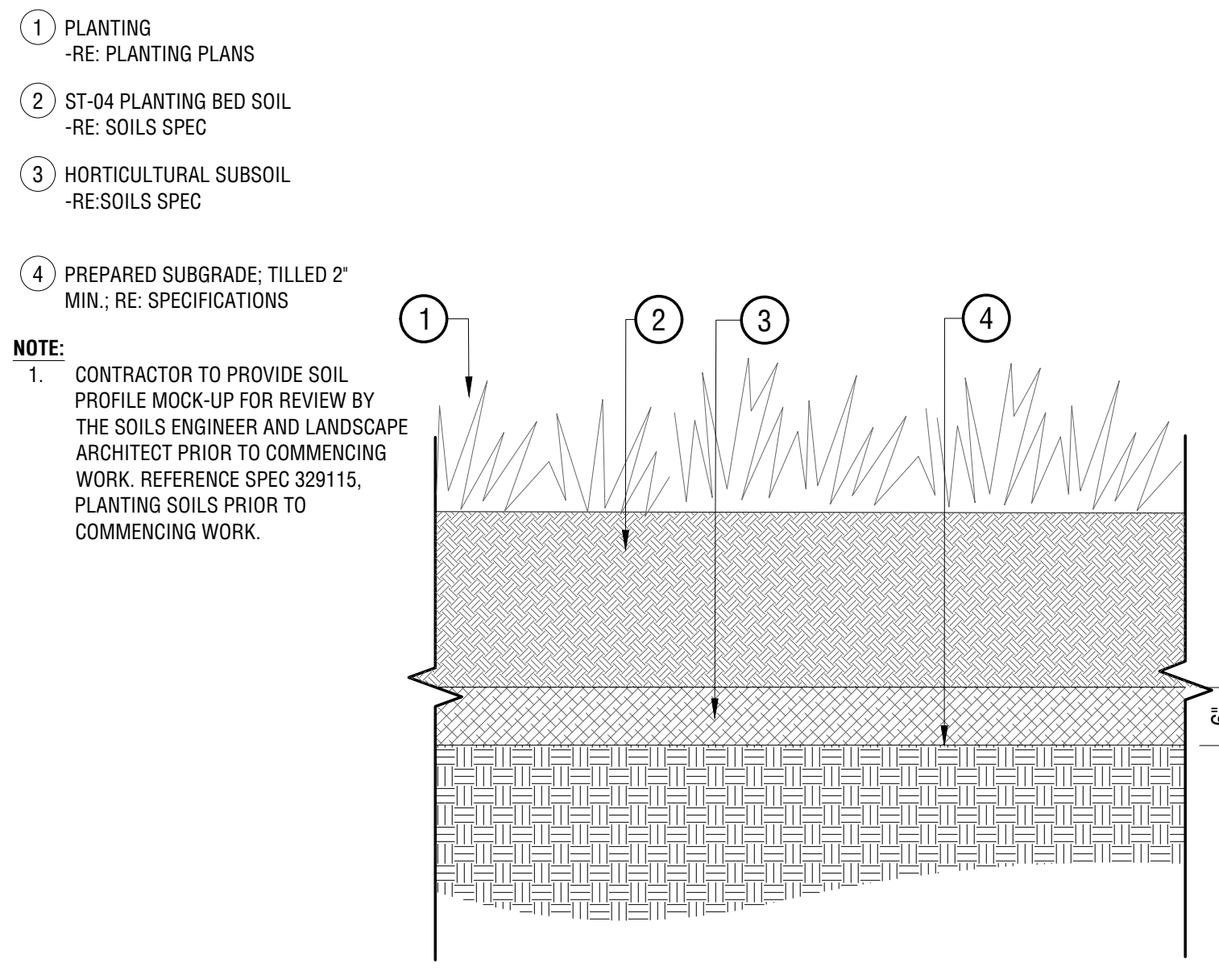
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SECTION - SAND BASED STRUCTURAL SOIL AT PAVING EDGES 03



SECTION - SAND BASED STRUCTURAL SOIL 02



SECTION - ORNAMENTAL PLANTING SOIL (ST-04) 01

- 1 ADJACENT PAVING, RE: CONSTRUCTION PLANS
- 2 SUBGRADE, COMPACTED
- 3 STRUCTURAL SOIL
- 4 AGGREGATE BASE COURSE AS REQUIRED PER GEOTECHNICAL REPORT
- 5 DIP CONCRETE PAVEMENT, RE: CONSTRUCTION PLANS

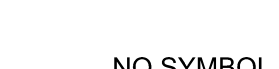


- 1 PREPARED SUBGRADE, TILLED 2" MIN., RE: SPECIFICATIONS

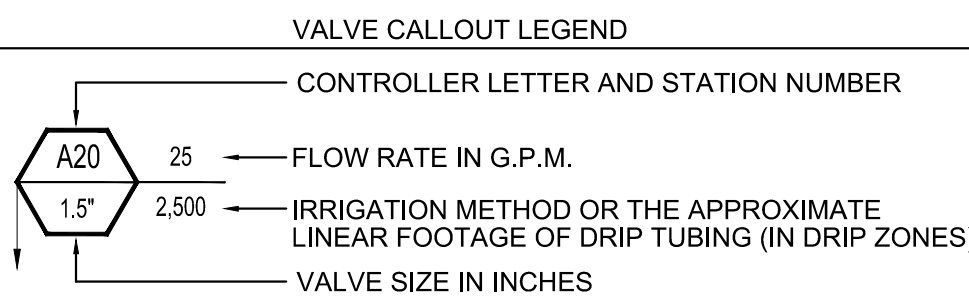
NOTE:
1. CONTRACTOR TO PROVIDE SOIL PROFILE MOCK-UP FOR REVIEW BY THE SOILS ENGINEER AND LANDSCAPE ARCHITECT PRIOR TO COMMENCING WORK. REFERENCE SPEC 259115, PLANTING SOILS PRIOR TO COMMENCING WORK.

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 BE RESPONSIBLE FOR LOCATING AND TESTING THE EXISTING IRRIGATION WATER METER, BACKFLOW DEVICE, MASTER CONTROL VALVE, FLOW SENSOR, DECODER CONTROLLER, AND ANY OTHER SENSORS AND MAJOR SYSTEM COMPONENTS INSTALLED AS PART OF PHASE 1 ALAMO PLAN IMPROVEMENTS THAT COULD AFFECT THE OPERABILITY OF THE PROPOSED AUTOMATIC IRRIGATION SYSTEM.
8. 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 DEMAND NECESSARY BY THE OWNER.
9. 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.
10. 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.
11. ALL QUICK COUPLER AND REMOTE CONTROL VALVES ARE TO BE INSTALLED IN SHRUB OR GROUND COVER 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 "I" REGARDING EQUIPMENT LOCATION SHOP DRAWINGS.
12. CONTRACTOR SHALL INSTALL ADDITIONAL CHECK VALVES TO HEADS AND LATERALS AS REQUIRED TO PREVENT LOW HEAD DRAINAGE.
13. 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.
14. 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.

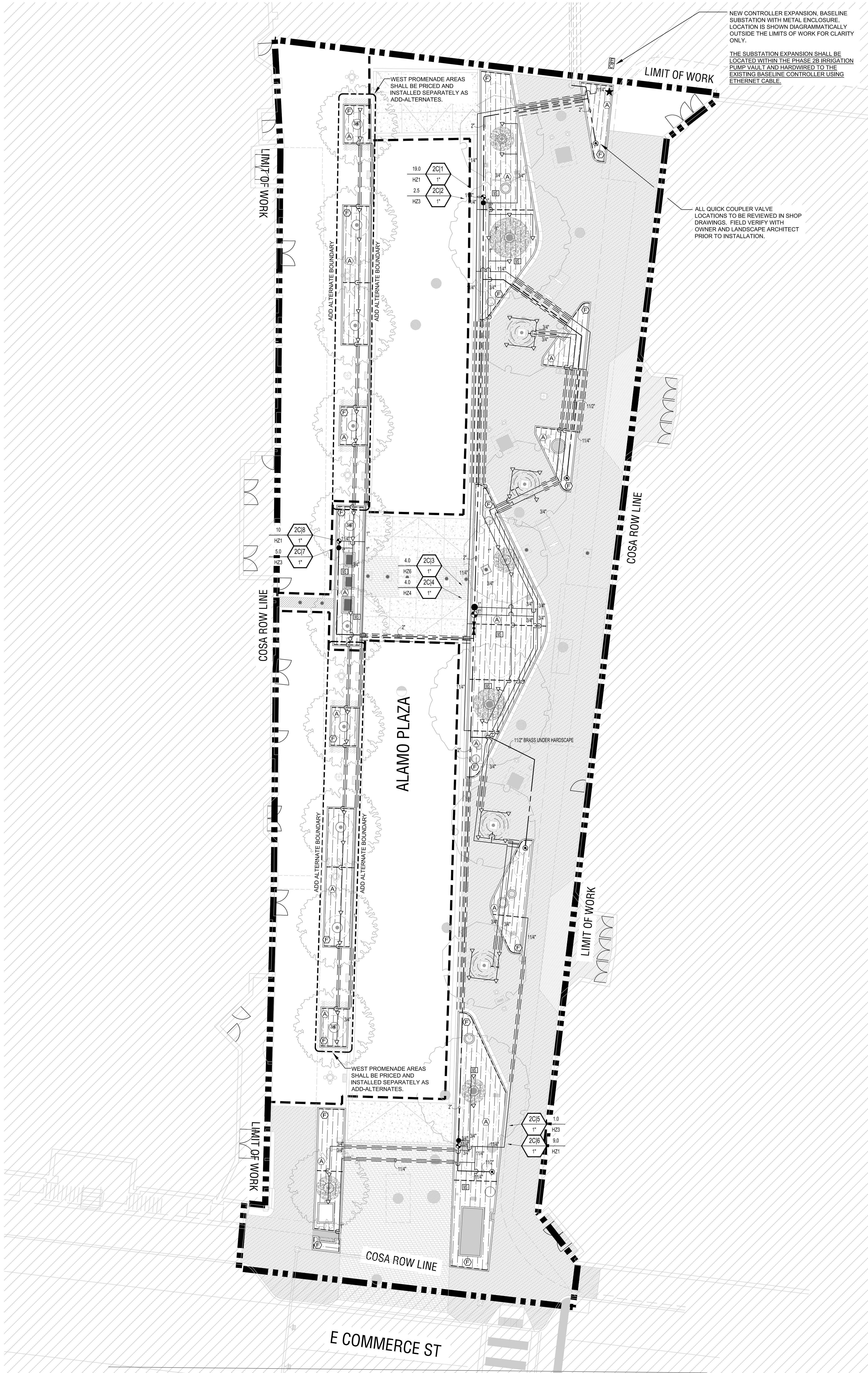
IRRIGATION MATERIAL LEGEND

SYMBOL	MANUFACTURER	MODEL NO. / DESCRIPTION	FLOW RATE (GPM)	PSI	RADIUS	PR. RATE	DETAIL
	RAIN BIRD	RWS-B-6-1401RWS-GRATE-P SERIES ROOT WATERING SYSTEM, WITH 36" SEMI-RIGID MESH TUBE, 0.25 GPM BUBBLER HEAD, CHECK VALVE AND SPIRAL BARB ELBOW WITH 1/2" MNPT INLET. CONNECT TO SERVICE LATERAL USING SPIRAL 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: XFSR-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 18" 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 18" 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 #GOTS140900 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.	0.60 GPH / EMITTER	40	N/A	0.70 IN./HR.	B,C
	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" MPT X FIFT FLEXIBLE NIPPLE, AND A XFF-MA-550 17mm BARB X 1/2" MPT 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" MPT X FIFT FLEXIBLE NIPPLE, AND TWO (2) XFF-MA-550 17mm BARB X 1/2" MPT ADAPTERS. ALL END RUNS OF TUBING SHALL BE CONNECTED WITH A PVC DISCHARGE HEADER. FLEXIBLE NIPPLES SHALL BE MODEL WGN050600 AS MANUFACTURED BY GPH IRRIGATION PRODUCTS (866) 582-9684.					B,C
	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 FITNS-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.					B,C,H
	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,D
	RAIN BIRD	35-DNP 3/4" QUICK COUPLER WITH LASCO G13T-212 SWING JOINT AND 2" SHUT-OFF VALVE. INSTALL INSIDE A 10" ROUND VALVE BOX WITH PURPLE LID. PROVIDE TWO VALVE 35-M KEYS AND TWO SH-40 HOSE KEYS AS TURNOVER ITEMS TO OWNER.					E
	RAIN BIRD	PE88-100 PLASTIC REMOTE CONTROL VALVE (RCV), WITH OPTIONAL PE8N-PH4N(2) PURPLE FLOW CONTROL HANDLE. INSTALL WITH BASELINE VALVE BODDER.					F
	RAIN BIRD	FIELD ASSEMBLED DRIP CONTROL KIT, CONSISTING OF A PE88-100-PRS-D VALVE WITH LCRB100D 1" DISC FILTER. INSTALL WITH BASELINE VALVE BODDER.					G
	RAIN BIRD	CONTROL VALVES SHALL BE GROUPED TOGETHER AND PLACED IN SUPER JUMBO VALVE BOXES WHERE INDICATED ON THE PLANS OR AS DIRECTED BY THE LANDSCAPE ARCHITECT.					K,L,M
	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.					N
	BASELINE	GROUNDING PLATES AND BL-1401 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 80 FEET. PLATES SHALL BE PLACED WITH THE LONGEST END ALIGNED PERPENDICULAR TO THE WIRE PATH. SURGE PROTECTION SHALL BE AS RECOMMENDED BY THE MANUFACTURER TO INSURE WARRANTY PROTECTION.					K,L,M
	BASELINE	SUBSTATION X-CM-BL-CLOUD-TEA-T-X SERIES WITH METAL 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. THE SUBSTATION SHALL BE CONFIGURED TO COMMUNICATE WITH THE SITE BASISTATION 3200 CONTROLLER.					O
	N/A	120 VOLT ELECTRICAL POWER FOR CONTROLLER, PROVIDED BY ELECTRICIAN, VERIFY ACTUAL LOCATION IN FIELD					N/A
	BASELINE	BL-5315B SERIES SOIL MOISTURE SENSOR. INSTALL WITHIN DRIP LINE OF EXISTING HERITAGE TREES 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 TREE ROOT ZONE. MAKE WIRE SPICES WITHIN A 10" ROUND VALVE BOX.					N/A
	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					H
	AS APPROVED	HOPE IRON PIPE SIZE (IPS) PRESSURE PIPE (PE4710), DR 11 (RATED AT 202 PSI) 2" SIZE AS MAINLINE PIPE. HOPE PIPE SHALL BE BLACK WITH PURPLE STRIPE INDICATING USE OF NON-POTABLE WATER. PIPE MUST BE SET SO THAT STRIPING IS VISIBLE. ALL HOPE 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 HOPE PIPING SHALL BE 2" SIZE WITH 2" HDPE RISERS TO THE CONTROL VALVES REGARDLESS OF CONTROL VALVE SIZE.					H
	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.					I
	AS APPROVED	PERFORATED PVC PIPE SCH. 40 AS COMBINATION SLEEVE AND DRAINAGE PIPE BETWEEN TREE GRATE PITS IN SILVA CELLS. SIZE SHALL BE 3" MINIMUM WITH 2 ROWS OF 1/2" DIA. HOLES. SET PIPE WITH HOLES FACING DOWN.					N
	AS APPROVED	ALL HDPE MAINLINE 3" AND LARGER IN SIZE SHALL HAVE BUTT FUSED HDPE FITTINGS FOR DIRECTIONAL CHANGES. 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
	LASCO	ALL PVC FITTINGS USED WITH SOLVENT WELD MAINLINE PIPE SHALL BE TYPE SCH. 80, RAIN 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
	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 MANUFACTURERS RECOMMENDATIONS.					N/A
	PAIGE ELECTRIC	FT3540 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.					H,I
	3M	DBRY-6 DIRECT BURIAL WATER-PROOF WIRE CONNECTORS FOR USE ON ALL WIRE SPICES AND CONNECTIONS					J
	ARLON, OR APPROVED EQUAL	RECYCLED WATER SIGNAGE FOR ONSITE FACILITIES. REFER TO SAN ANTONIO WATER SYSTEMS FOR MORE INFORMATION.					N/A
	T CHRISITY	ID-MAX-PC-RC09 SERIES DOUBLE SIDED VALVE IDENTIFICATION TAGS, PURPLE IN COLOR, WITH THE WORDS "WARNING: RECYCLED WATER DO NOT DRINK". INSTALL ON ALL AUTOMATIC CONTROL VALVES SERVED BY PROPOSED STORM WATER RE-USE SYSTEM.					N/A
	RAIN BIRD	ALL VALVE BOXES SHALL BE VB SERIES, PLASTIC TYPE WITH OVERLAPPING LIDS. VALVE BOX BODIES AND LIDS SHALL BE BLACK, WITH THE EXCEPTION OF QUICK COUPLER VALVE ASSEMBLIES WHOSE LIDS SHALL BE PURPLE. 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							



Alamo District - Phase 2C												IRRIGATION DEMAND - STAGE 2 DROUGHT RESTRICTIONS, "WORST CASE"												Prepared June 10, 2024			
MONTHLY LANDSCAPE IRRIGATION WATER USE ESTIMATES																								By Sweeney & Associates, Inc.			
ESTIMATED YEARLY IRRIGATION DEMAND:												101,256		Peak Daily Irrigation Demand:				2,211									
PEAK MONTHLY IRRIGATION DEMAND:												19,211		Peak Daily GPM:				19									

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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 OWNERS 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 OWNERS AUTHORIZED REPRESENTATIVE. THE CONTRACTOR SHALL CONFIRM ALL LAYOUT IN FIELD WITH OWNERS AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.

NOTE D:
CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING WITHIN THE DRIPLINE OF EXISTING TREES. NO MECHANICAL TRENCHING WITHIN THE DRIPLINE OF THE EXISTING TREE WILL BE ALLOWED. CONTRACTOR SHALL REFER TO ARBORIST REPORT, TREE DISPOSITION OR TREE PROTECTION PLAN FOR ADDITIONAL PRECAUTIONS REQUIRED FOR THE EXISTING TREES. VERIFY ALL LAYOUT IN FIELD WITH OWNERS AUTHORIZED REPRESENTATIVE.

NOTE E:
ALL PROPOSED IRRIGATION COMPONENTS ARE TO BE COLOR CODED PURPLE INDICATING USE OF NON-POTABLE WATER.

NOTE F:
THE ACTUAL CONTRACTOR PROPOSED LOCATIONS FOR THE VARIOUS IRRIGATION EQUIPMENT LISTED BELOW SHALL BE REVIEWED AND APPROVED PRIOR TO INSTALLATION. CONTRACTOR SHALL SUBMIT TO THE OWNER AND LANDSCAPE ARCHITECT A SHOP DRAWING FOR VALVE BOX LAYOUTS PRIOR TO INSTALLATION. THE SHOP DRAWING SHALL BE PREPARED TO THE SATISFACTION OF THE OWNER AND LANDSCAPE ARCHITECT. SHOP DRAWINGS MUST INCLUDE LOCATIONS FOR THE FOLLOWING ITEMS: 1) POINT OF CONNECTION (INCLUDING WATER POC AND LOW VOLTAGE ELECTRICAL WIRE), 2) ISOLATION VALVES, 3) AUTOMATIC REMOTE CONTROL VALVES INDICATE STATION NUMBER AND SIZE), 4) QUICK COUPLING VALVES, 5) ANY OTHER RELATED EQUIPMENT AS MAY BE DIRECTED. EACH PIECE OF AFOREMENTIONED EQUIPMENT SHALL ITS LOCATION INCLUDED ON THE SHOP DRAWINGS. LOCATIONS OF THIS EQUIPMENT SHALL BE INDICATED WITH TWO DIMENSIONS BASED FROM TWO PERMANENT POINTS OF REFERENCE (SUCH AS BUILDINGS, SIDEWALKS, CURBS, STREETLIGHTS, HYDRANTS, ETC.). WHERE MULTIPLE COMPONENTS ARE INSTALLED WITH NO REASONABLE REFERENCE POINT BETWEEN THEM, DIMENSIONING MAY BE BASED OFF OF OTHER IRRIGATION EQUIPMENT THAT HAS BEEN DEFINED BY TWO PERMANENT POINTS. ALL SHOP DRAWING IRRIGATION SYMBOLS SHALL BE CLEARLY SHOWN AND SHALL MATCH THE SYMBOLS SHOWN ON THE IRRIGATION LEGEND OF THE DRAWINGS. CONTRACTOR SHALL INSTALL ALL VALVE BOXES AND RELATED EQUIPMENT PER THE OWNER APPROVED SHOP DRAWINGS. ONCE SHOP DRAWING LOCATIONS ARE APPROVED, THE LANDSCAPE ARCHITECT OR OWNERS AUTHORIZED REPRESENTATIVE WILL ALLOW NO ADJUSTMENTS WITHOUT PRIOR WRITTEN ACCEPTANCE.

NOTE G:
RECYCLED WATER SIGNAGE FOR ONSITE FACILITIES. THE RECYCLED WATER SYSTEM SIGN WILL BE AN 18.0-INCH 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 WRISO 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.



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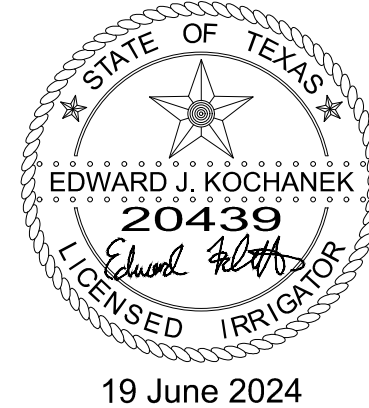
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Seal / Signature



19 June 2024

△ Date Description
06/19/2024 ISSUE FOR CONSTRUCTION

Project Name

ALAMO SITE - AREA 2C -
PROMENADE

Project Number

122.0076.202

Description

IRRIGATION PLANS

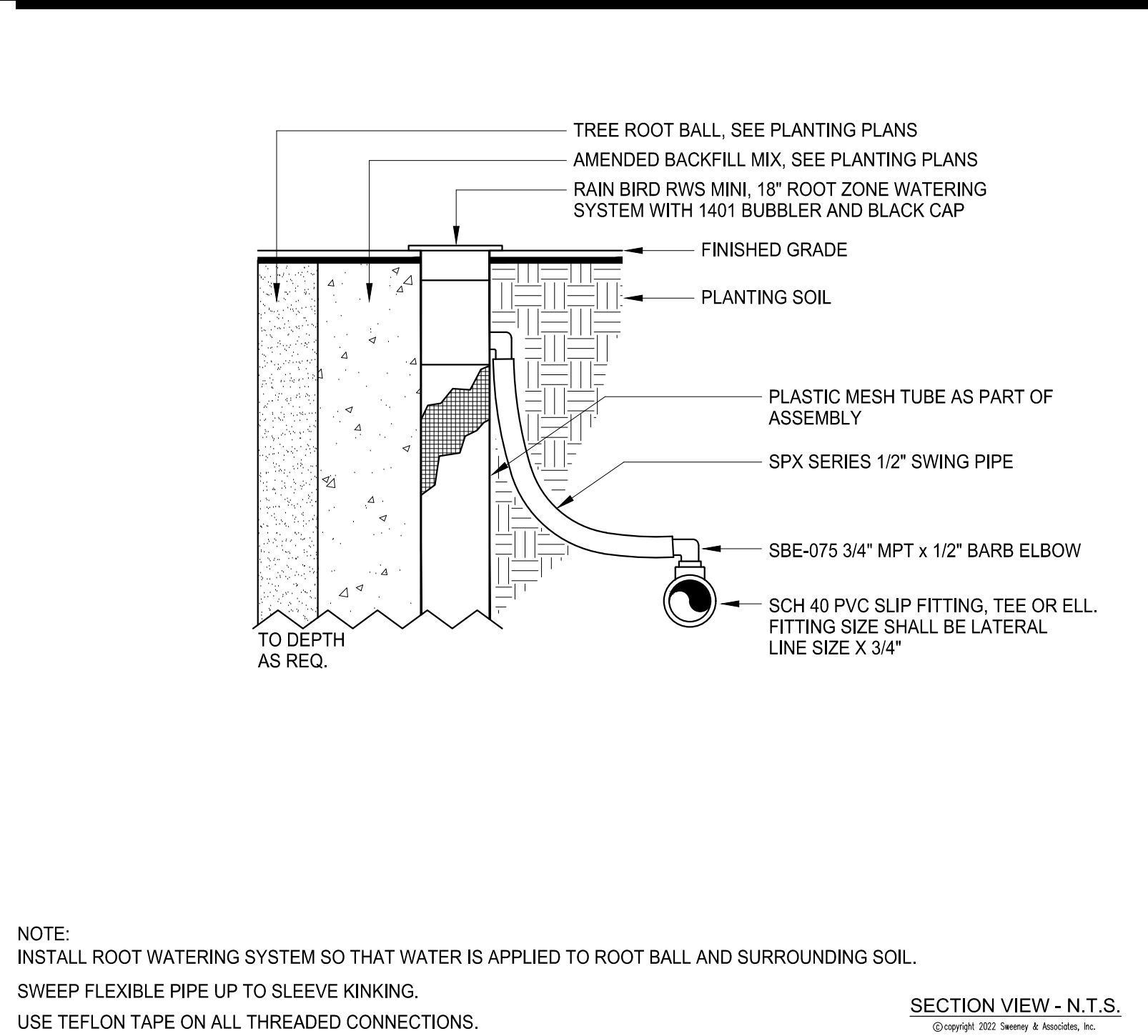
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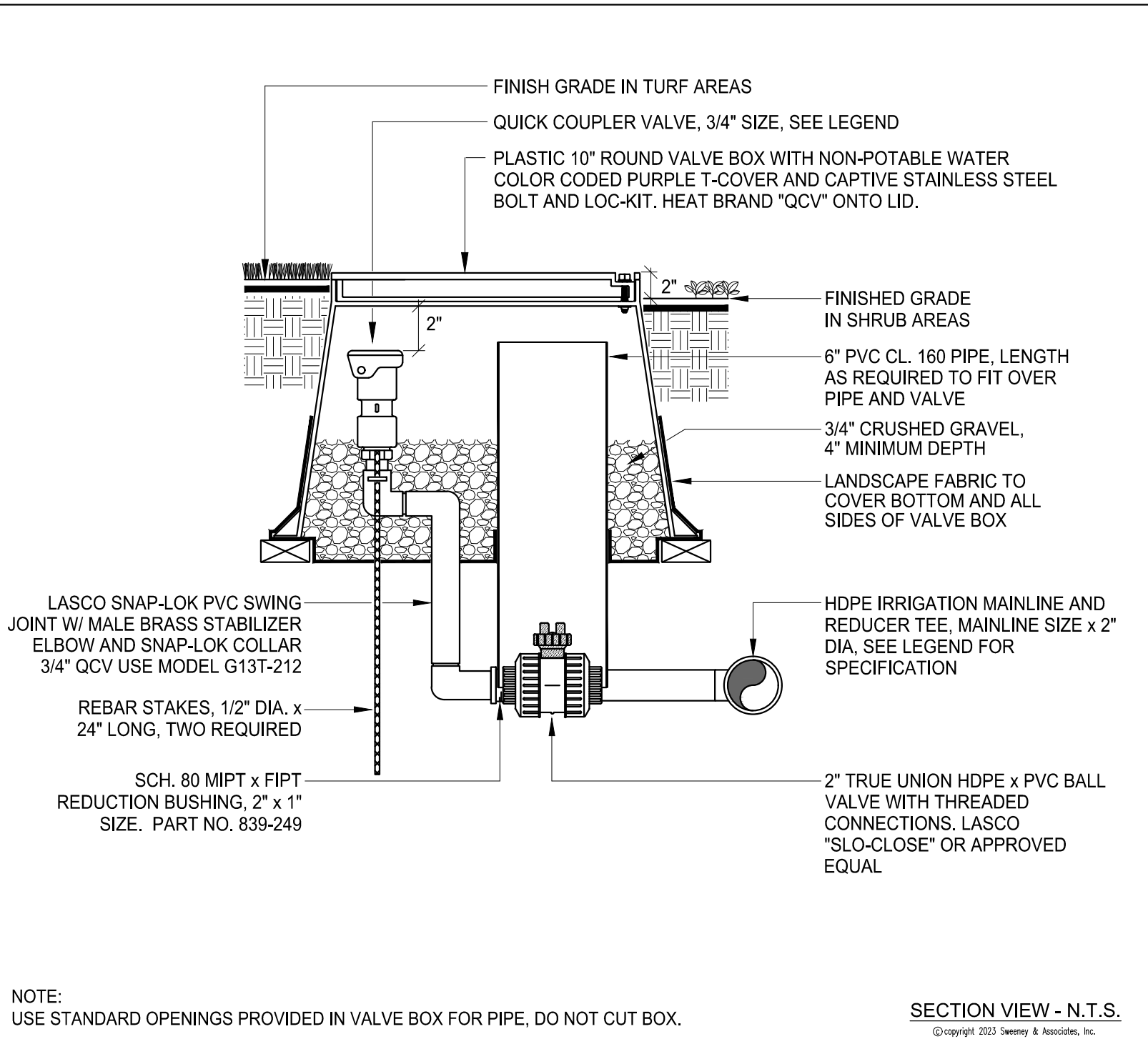
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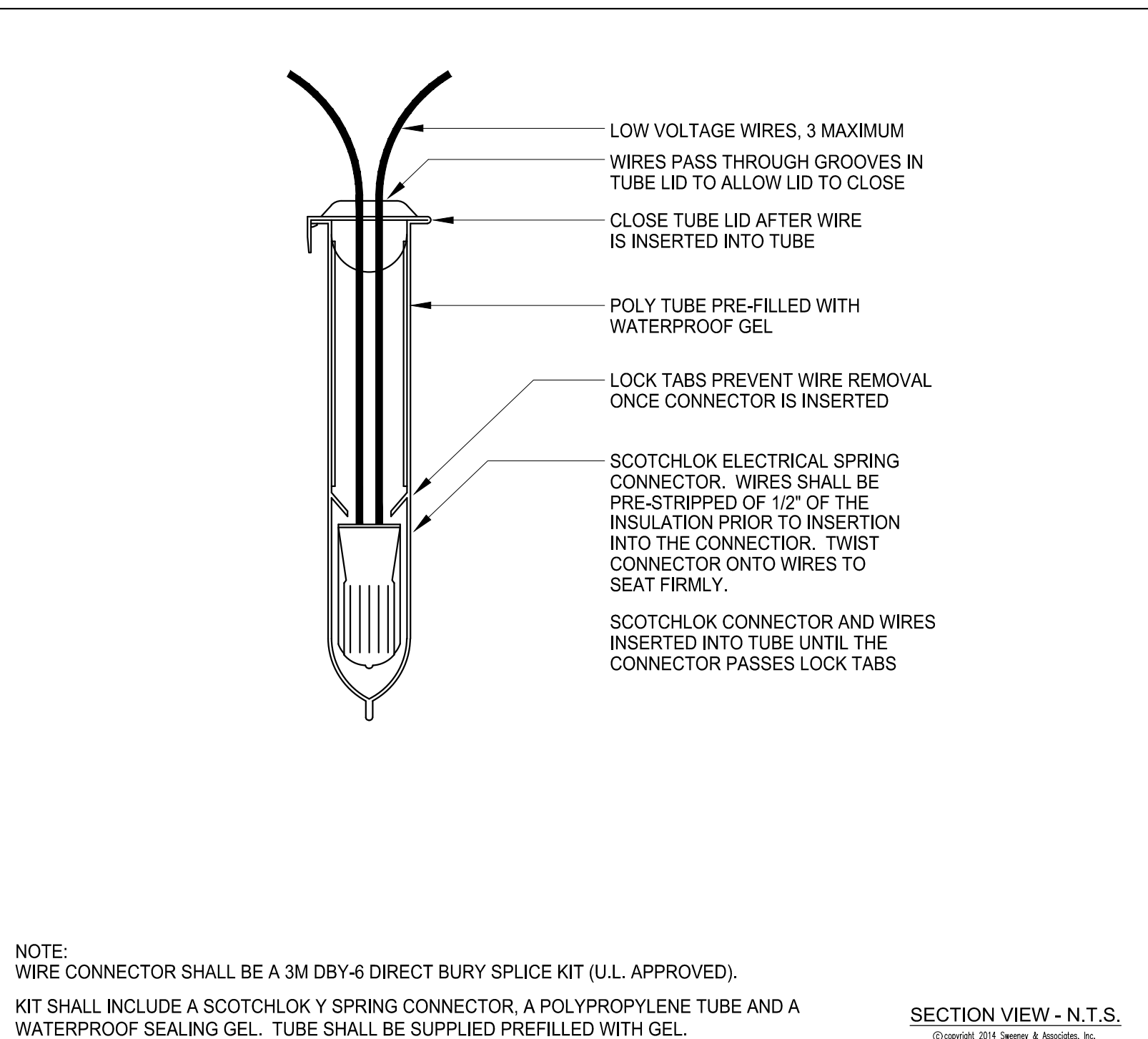
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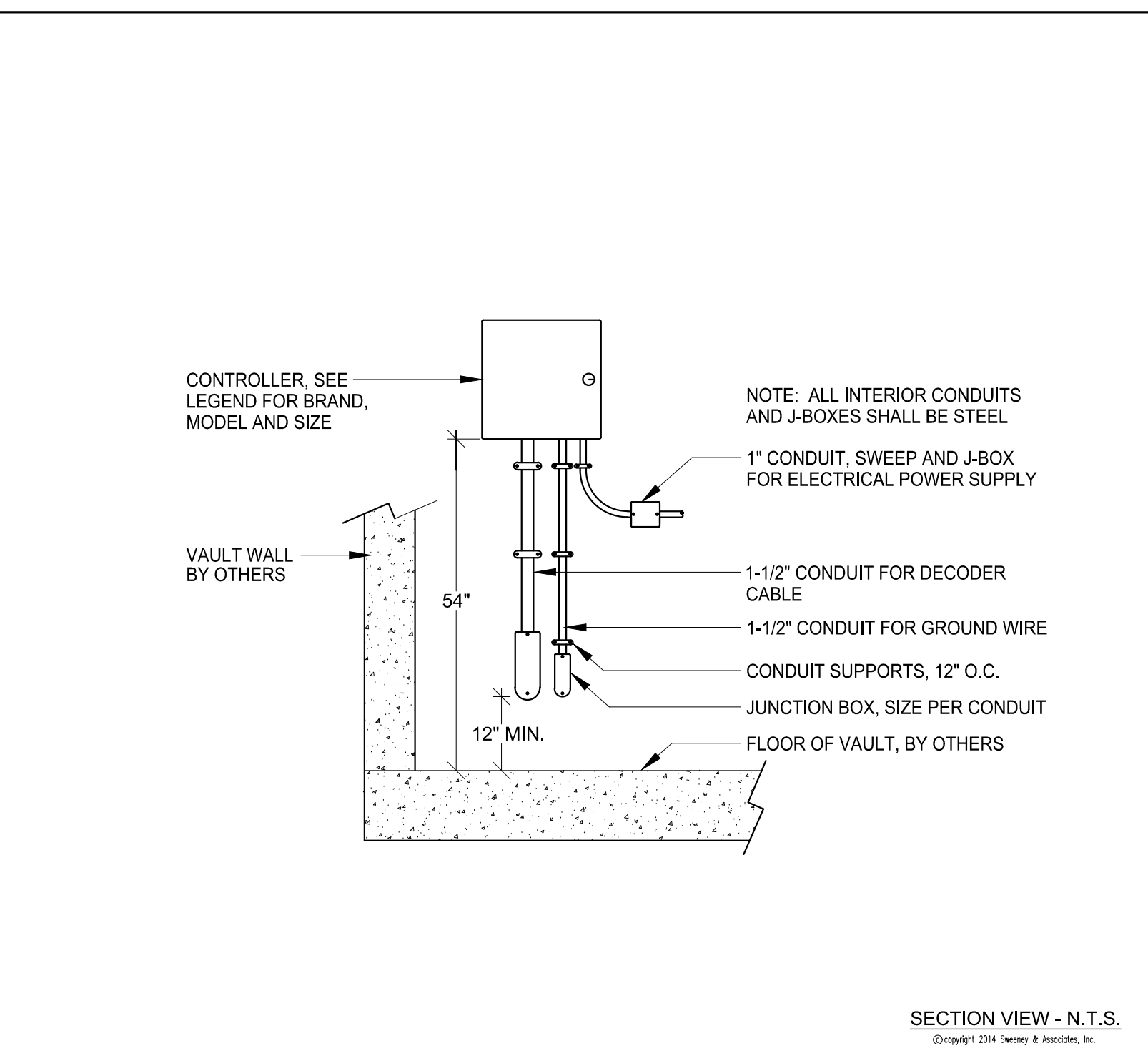
A TREE ROOT ZONE WATERING SYSTEM



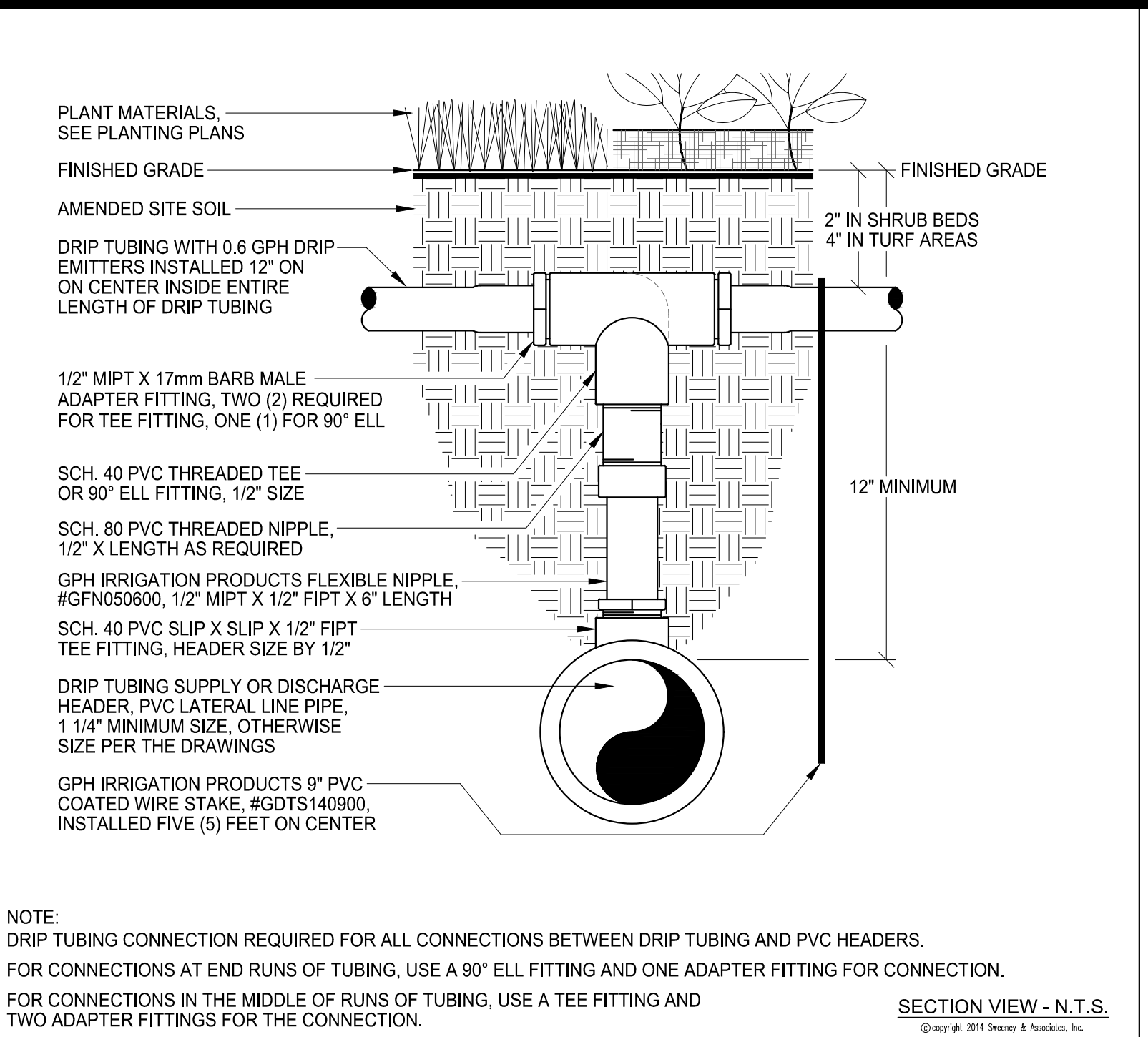
E QUICK COUPLER VALVE



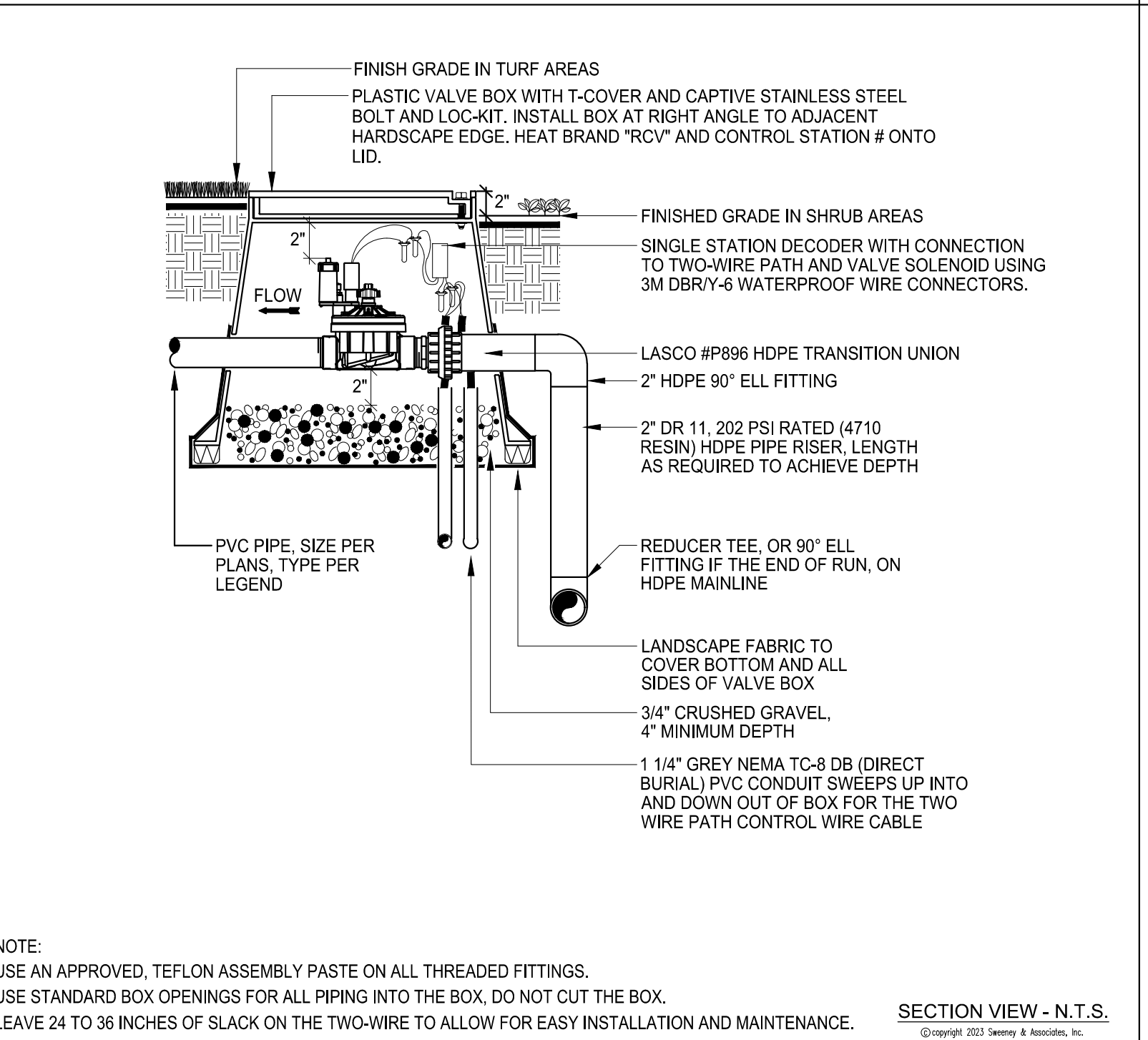
J WIRE CONNECTORS



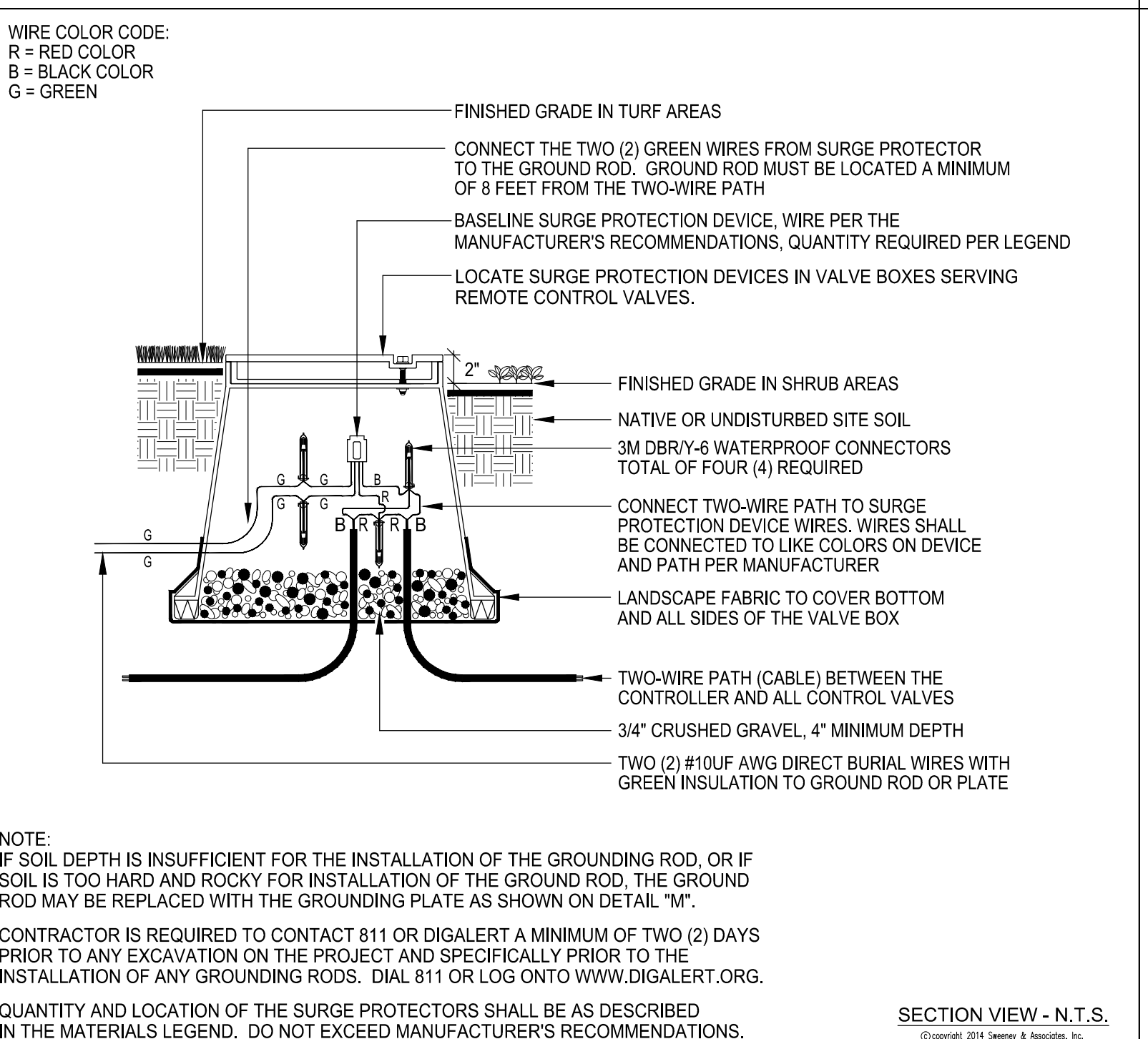
O CONTROLLER CABINET



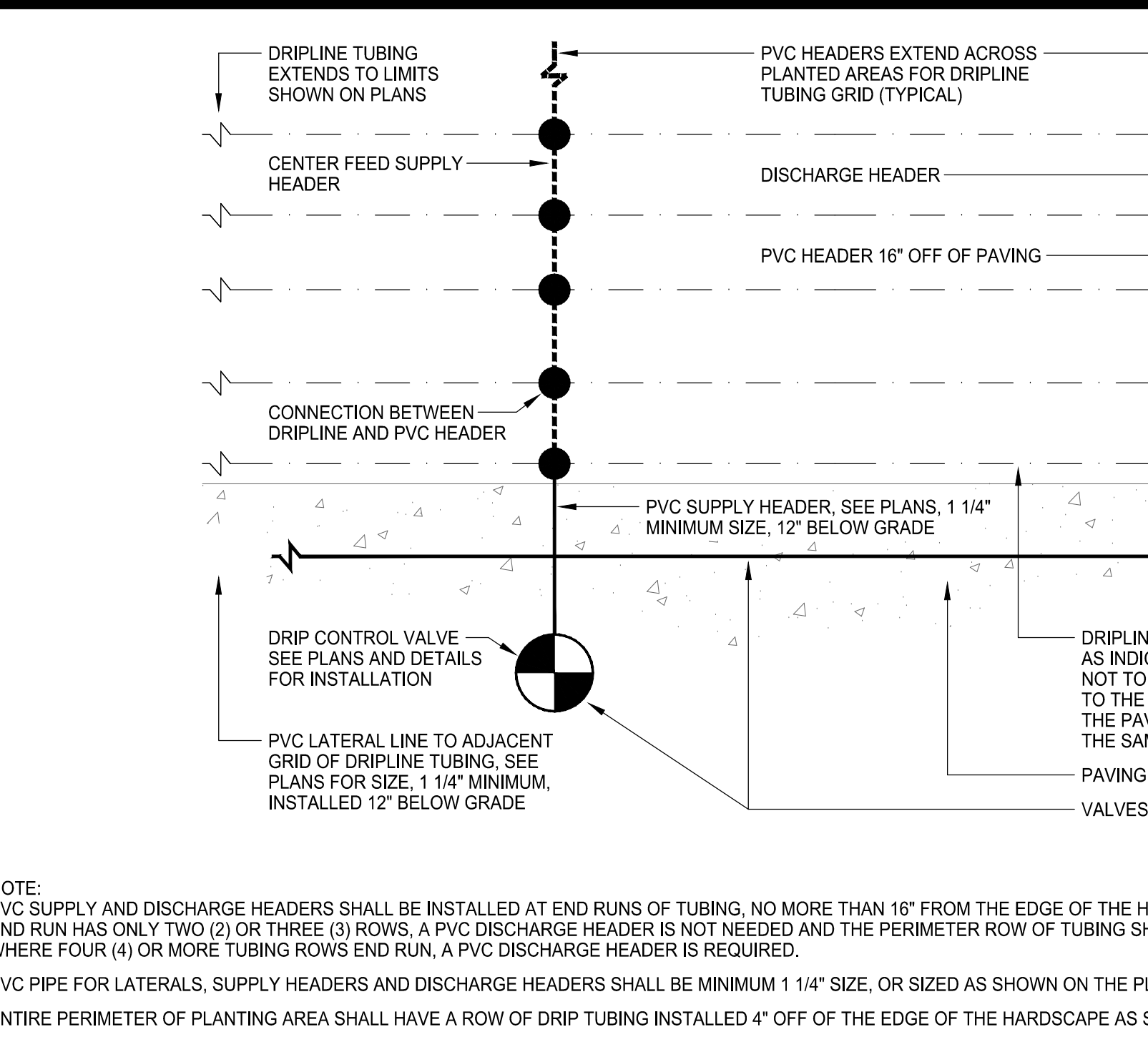
B PLANTER BED DRIP TUBING CONNECTION



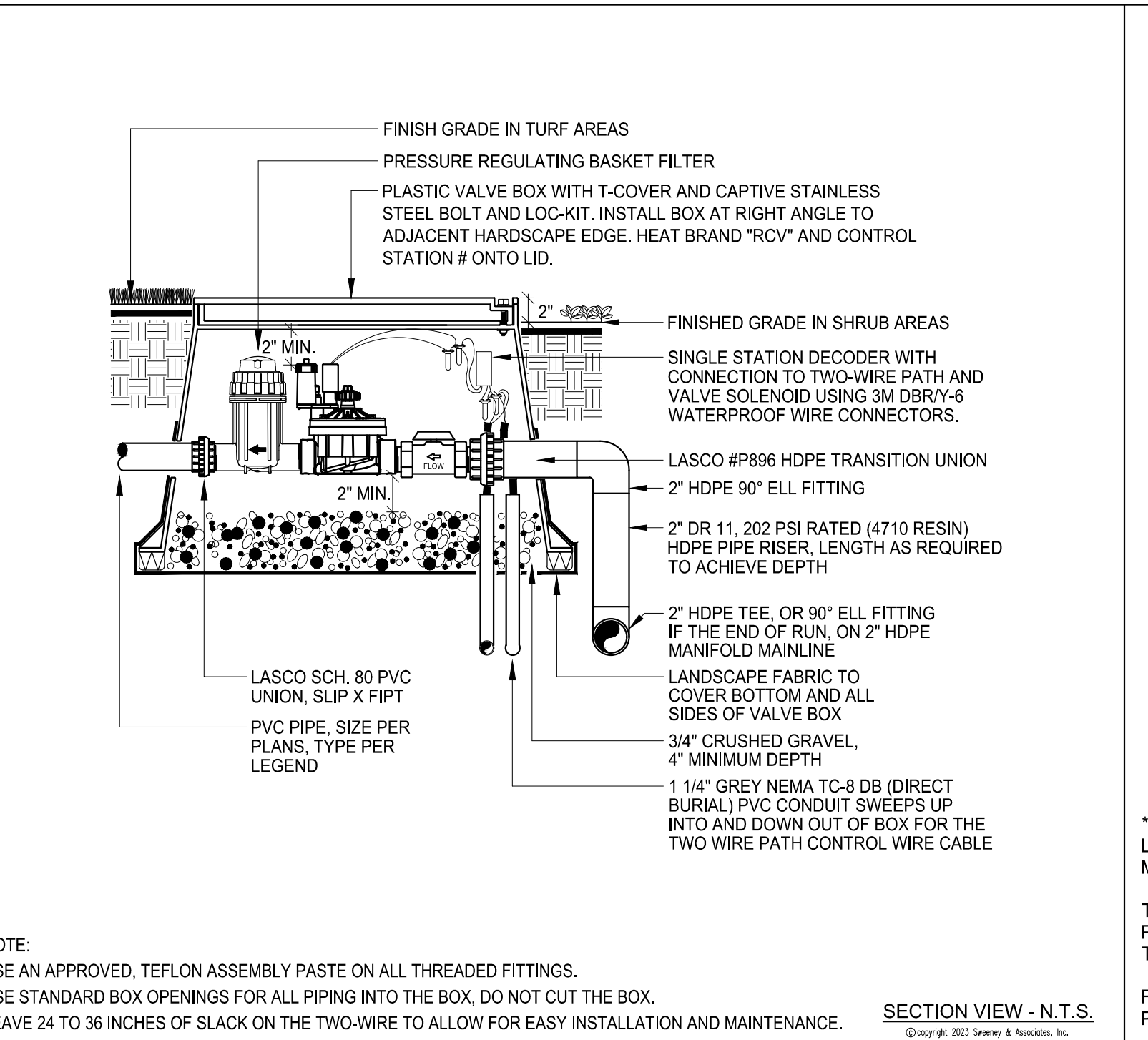
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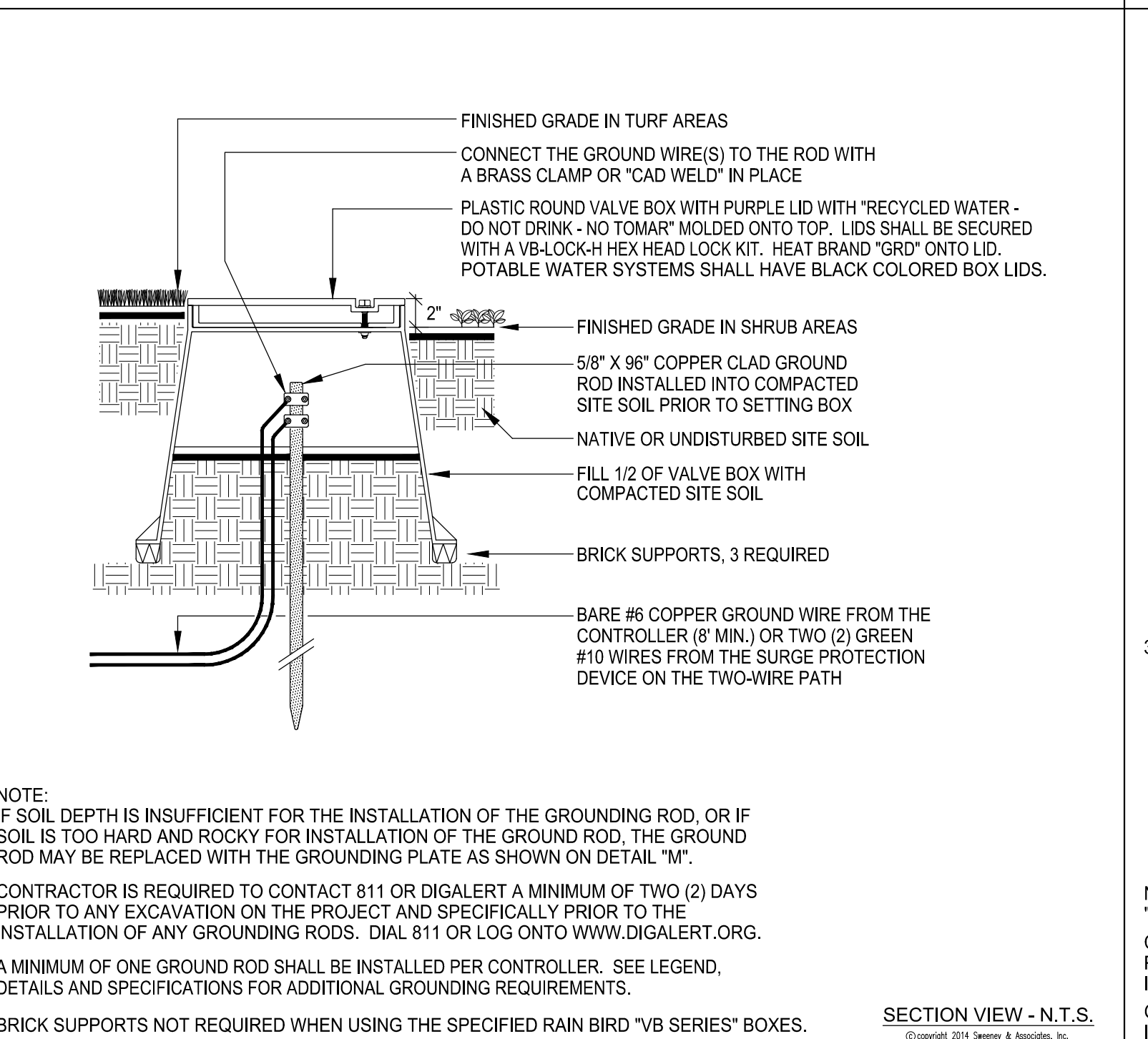
K TWO-WIRE SURGE PROTECTION



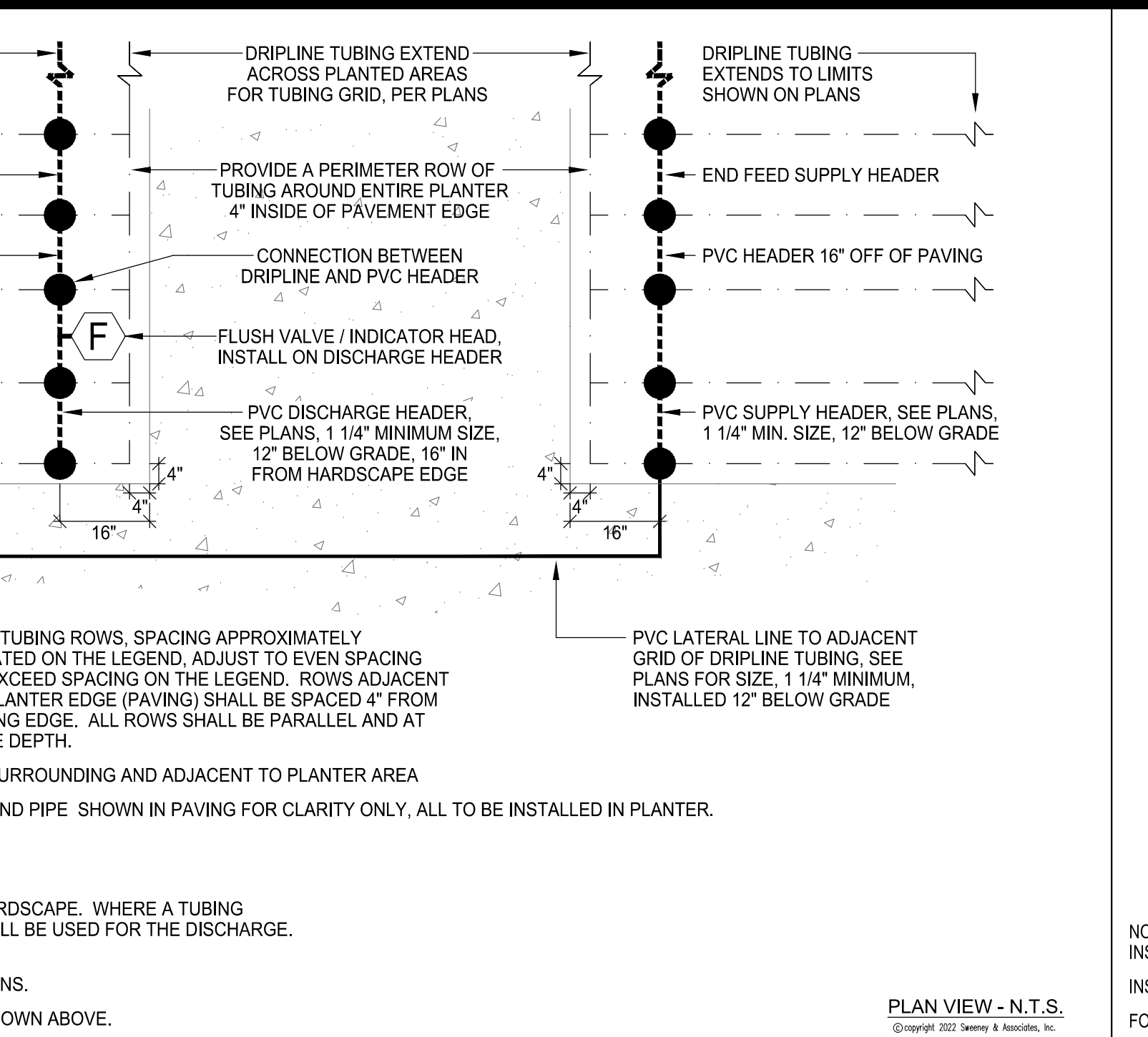
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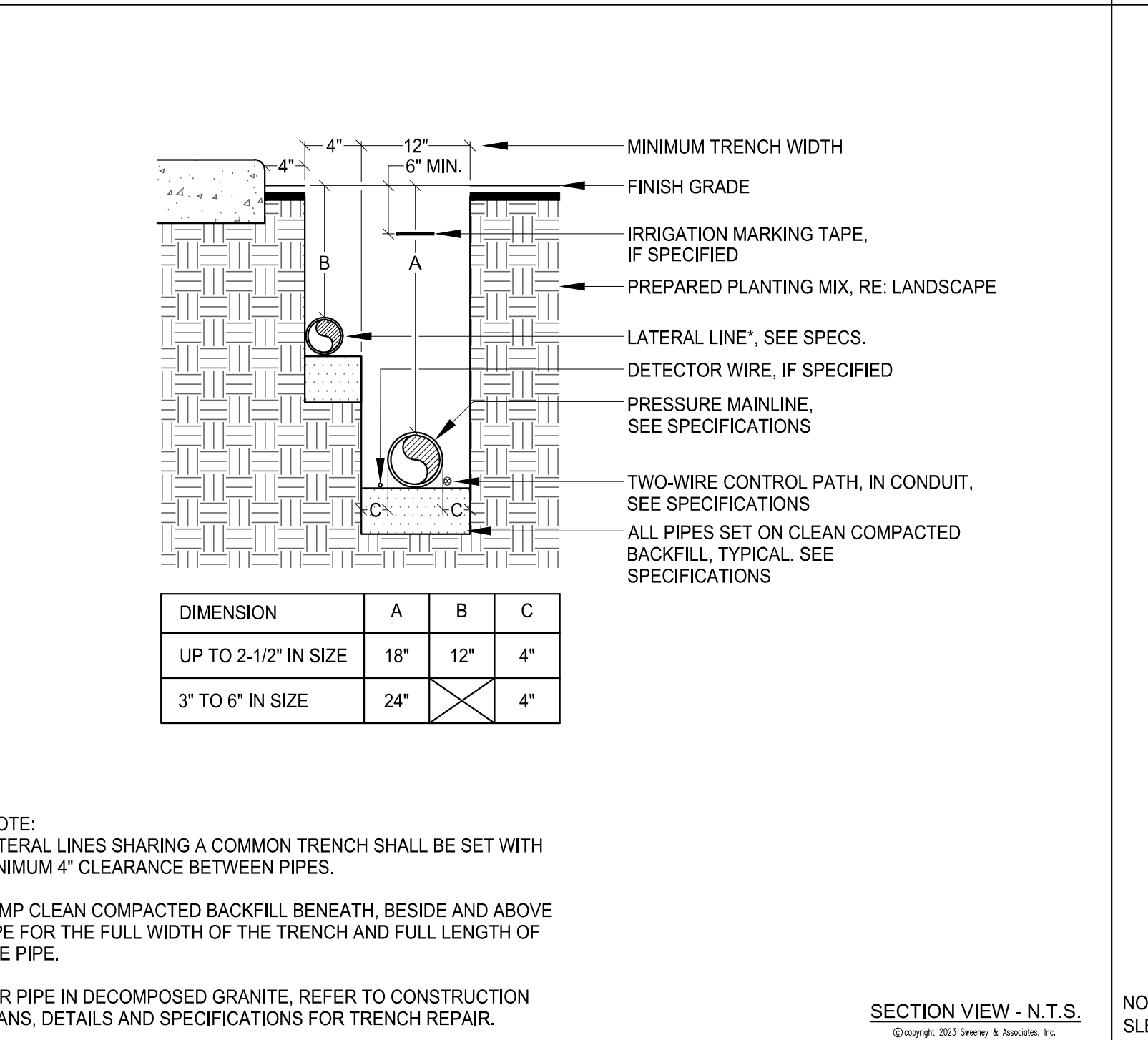
G DRIP R.C.V. ASSEMBLY



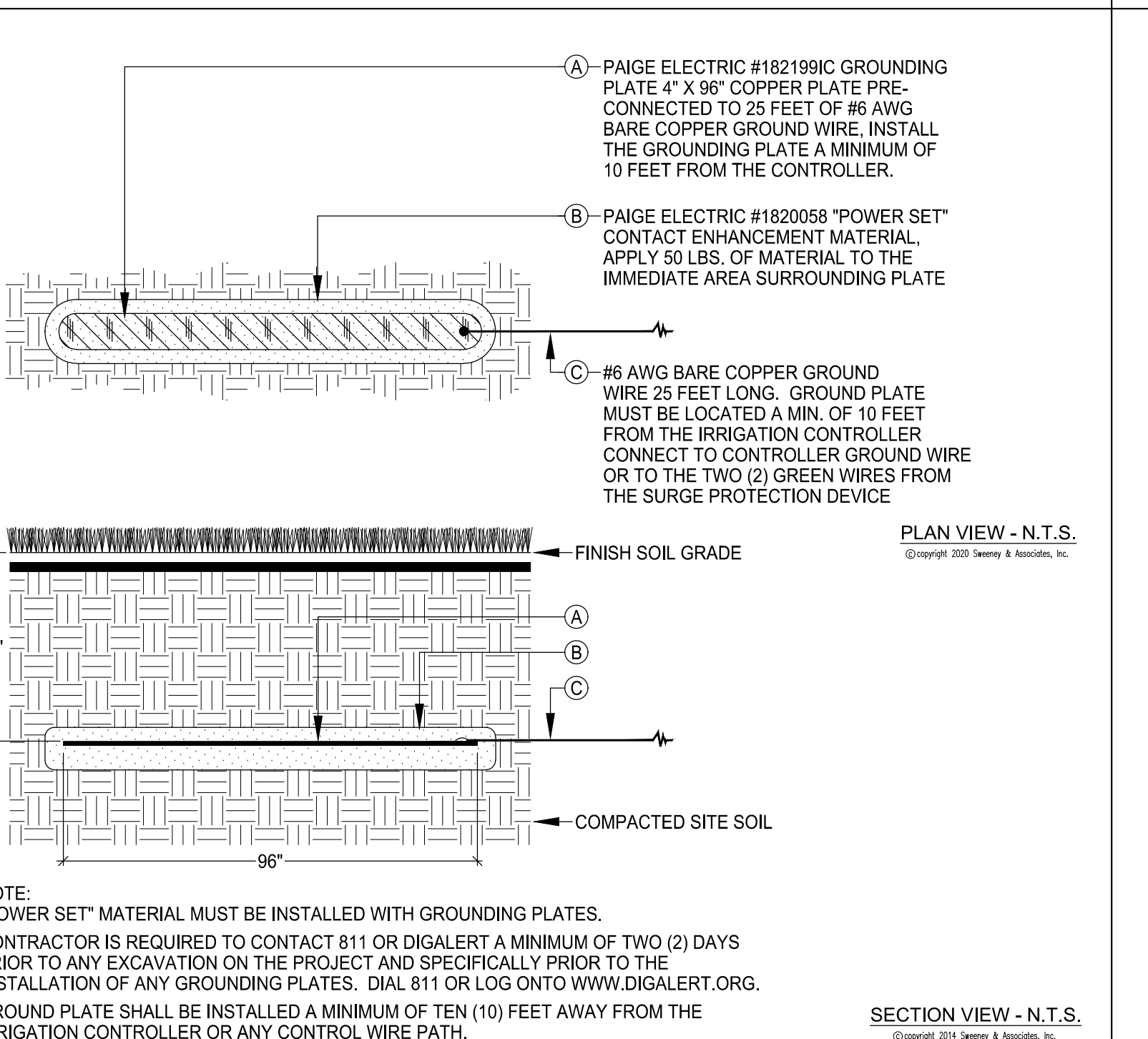
L GROUND ROD



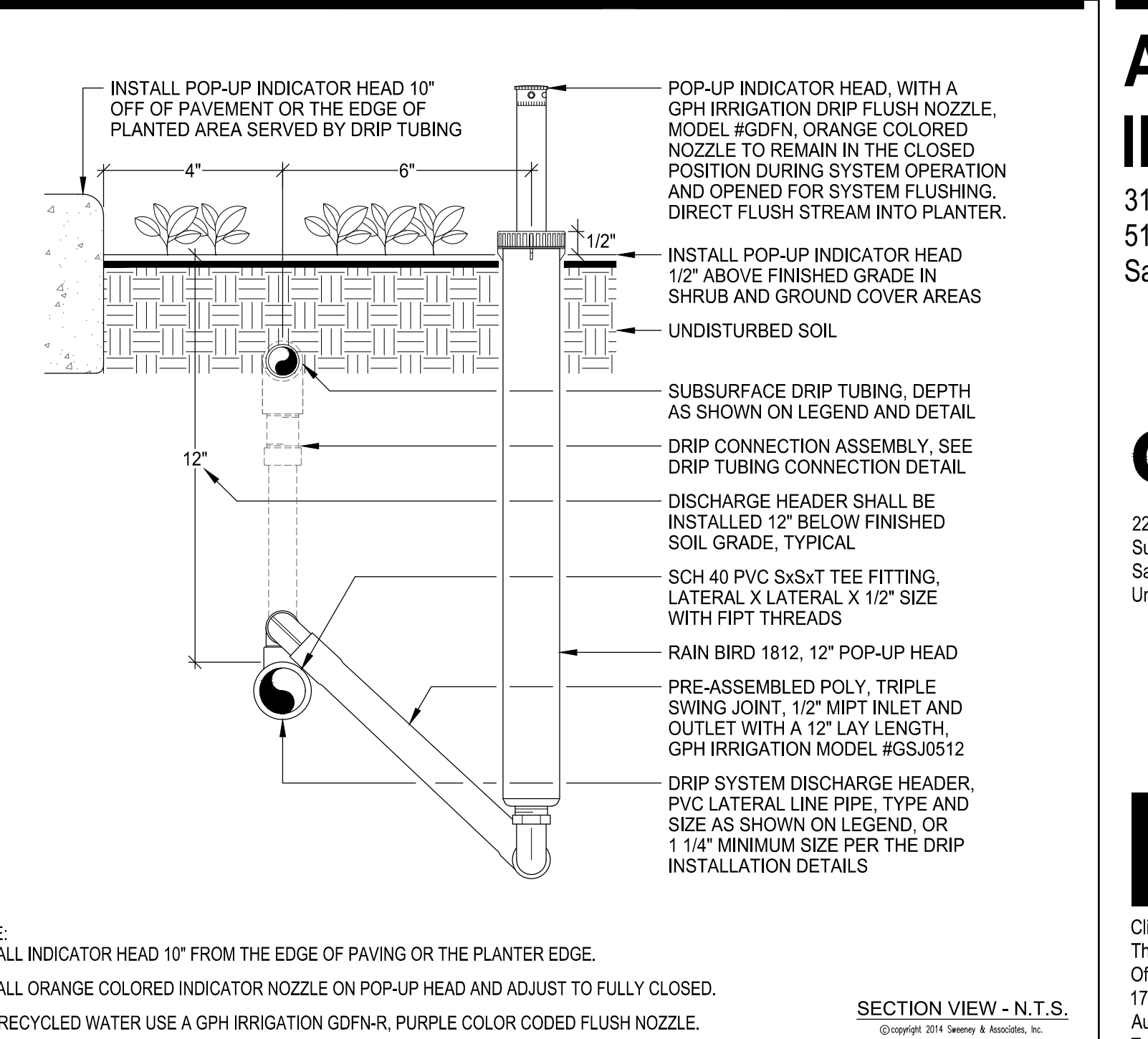
H PIPE TRENCHING



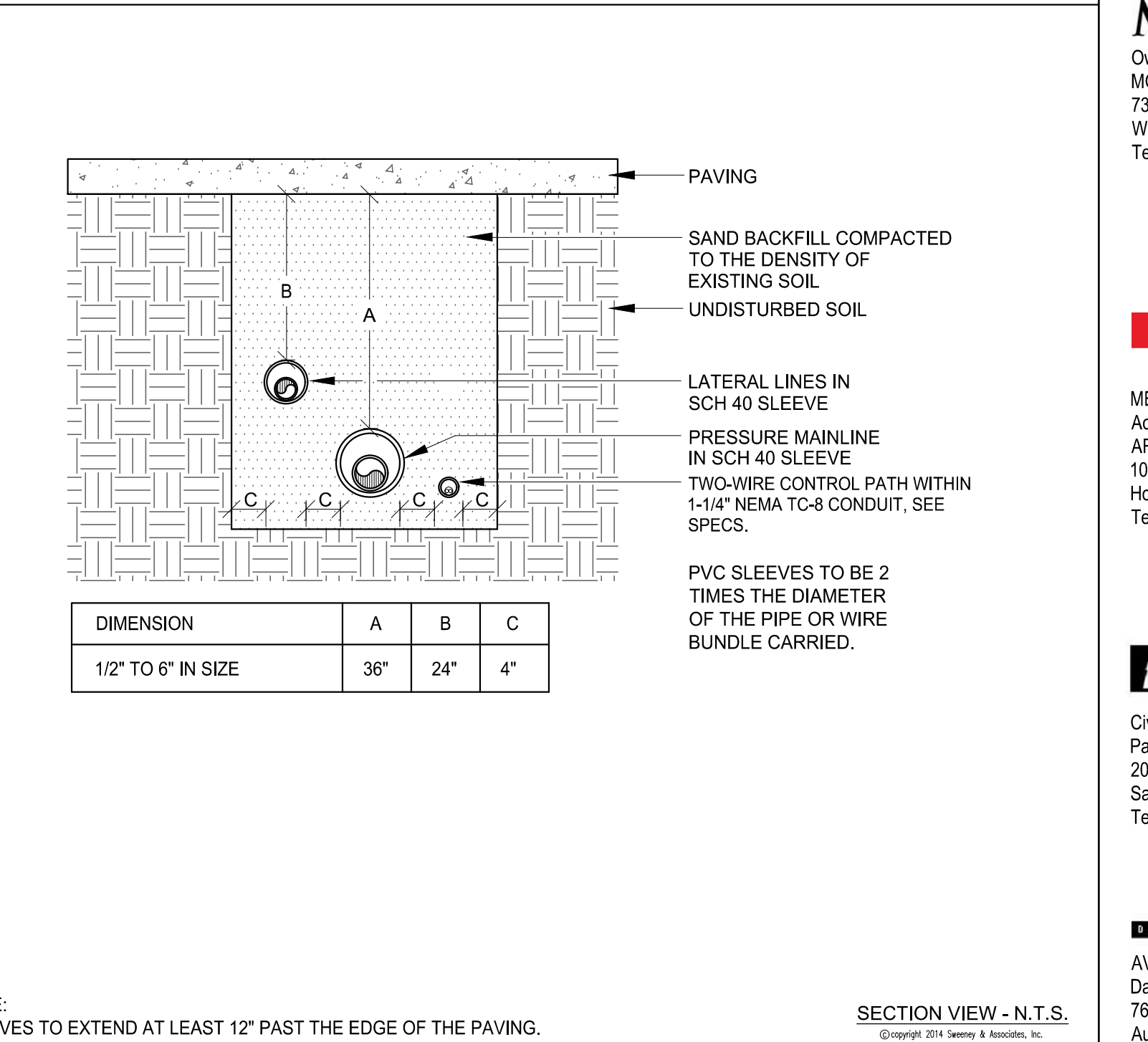
M GROUND PLATE



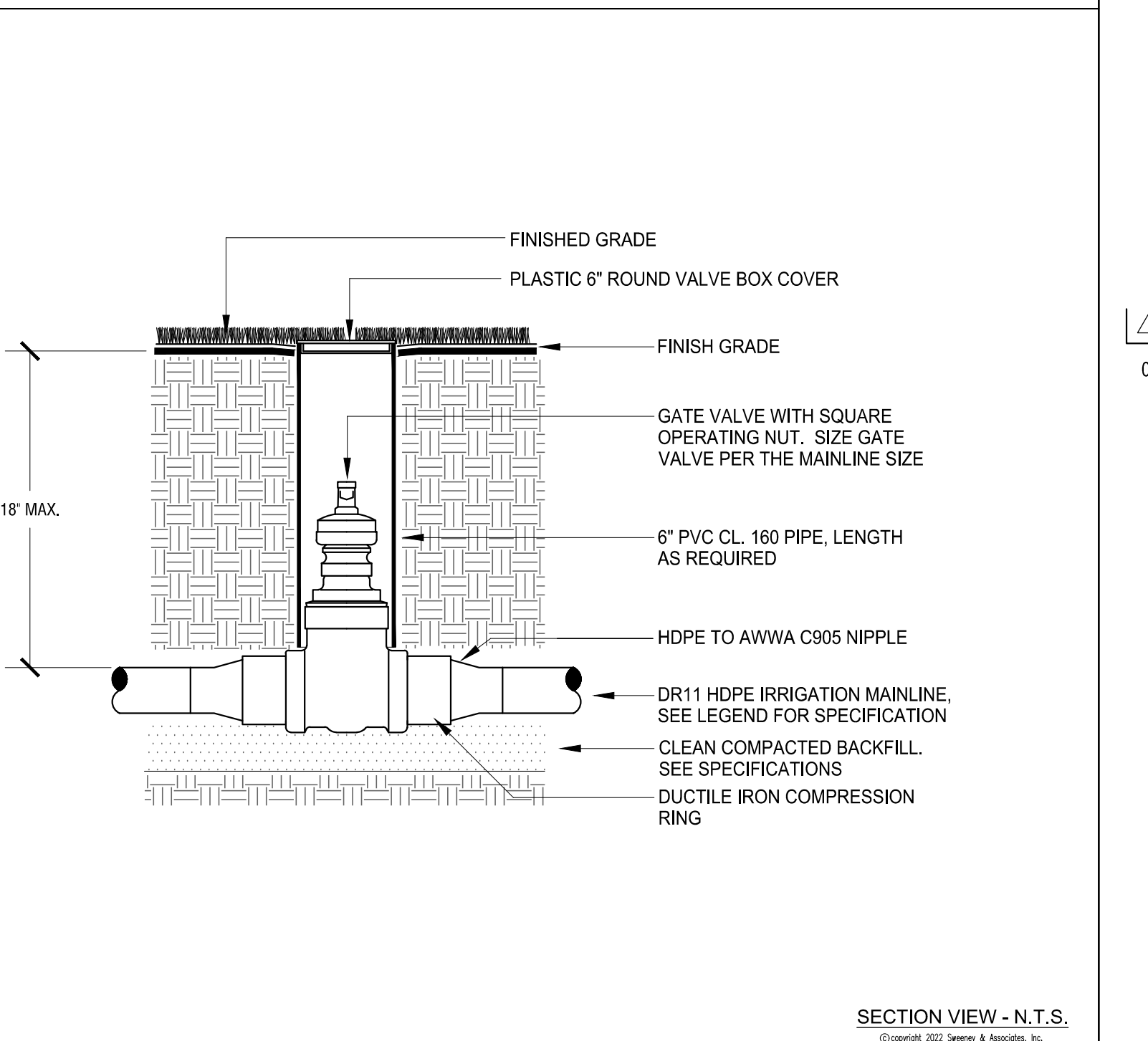
N GATE VALVE



D DRIP BED FLUSH / INDICATOR HEAD



I PIPE SLEEVE INSTALLATION



P GATE VALVE

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Seal / Signature

19 June 2024

Date	Description
06/19/2024	ISSUE FOR CONSTRUCTION

Project Name

ALAMO SITE - AREA 2C - PROMENADE

Project Number

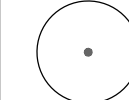
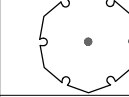
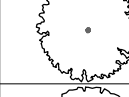


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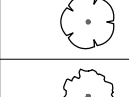
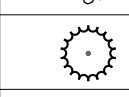
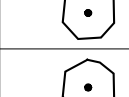
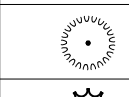

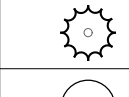
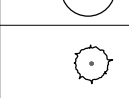

Description


IRRIGATION DETAILS

Scale

PLANT SCHEDULE

TREES												
SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONTAINER	CALIPER	SPREAD	HEIGHT	FORM	CLEAR TRUNK	REMARKS	DETAILS	SPECS
	EX	PER PLAN	EXISTING TREE TO REMAIN	PER SURVEY	EXISTING	PER SURVEY	PER SURVEY	PER SURVEY	PER SURVEY	EXISTING TREE TO REMAIN. RE: TREE PROTECTION PLANS L&10 AND ARBORIST REPORT	L7.00 - L7.01	01 98 39
	PM2	PER PLAN	PLATANUS MEXICANA / MEXICAN SYCAMORE	FIELD DUG TO BAB	8" MIN	15" MIN	18" MIN	STANDARD	7" MIN	SPECIMEN QUALITY - BEST QUALITY WITH UNIFORM SYMMETRICAL HABIT. REQUIRE EARLY PROCUREMENT. LANDSCAPE ARCHITECT TO REVIEW AND TAG IN FIELD. SOURCE ALL TREES FROM SAME SUPPLIER FOR CONSISTENCY.	L7.00 - L7.01	32 01 15 32 02 00 33 46 00
	QM1	PER PLAN	QUERCUS MUEHLBERGII / CHINKAPI OAK	FIELD DUG TO BAB	8" MIN	12" MIN	18" MIN	STANDARD	7" MIN	SPECIMEN QUALITY - BEST QUALITY WITH UNIFORM SYMMETRICAL HABIT. REQUIRE EARLY PROCUREMENT. LANDSCAPE ARCHITECT TO REVIEW AND TAG IN FIELD. SOURCE ALL TREES FROM SAME SUPPLIER FOR CONSISTENCY.	L7.00 - L7.01	32 01 15 32 02 00 33 46 00
	QV2	PER PLAN	QUERCUS VIRGINIANA / LIVE OAK	FIELD DUG TO BAB	10" MIN	15" MIN	20" MIN	STANDARD	7" MIN	SPECIMEN QUALITY - BEST QUALITY WITH UNIFORM SYMMETRICAL HABIT. REQUIRE EARLY PROCUREMENT. LANDSCAPE ARCHITECT TO REVIEW AND TAG IN FIELD. SOURCE ALL TREES FROM SAME SUPPLIER FOR CONSISTENCY.	L7.00 - L7.01	32 01 15 32 02 00 33 46 00
	QV3	PER PLAN	QUERCUS VIRGINIANA / LIVE OAK	FIELD DUG TO BAB	8" MIN	15" MIN	18" MIN	STANDARD	7" MIN	SPECIMEN QUALITY - BEST QUALITY WITH UNIFORM SYMMETRICAL HABIT. REQUIRE EARLY PROCUREMENT. LANDSCAPE ARCHITECT TO REVIEW AND TAG IN FIELD. SOURCE ALL TREES FROM SAME SUPPLIER FOR CONSISTENCY.	L7.00 - L7.01	32 01 15 32 02 00 33 46 00

SHRUBS												
SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONTAINER	SPACING	SPREAD	HEIGHT	FORM	REMARKS	DETAILS	SPECS	
	ACM	PER PLAN	ACHILLEA MILLEFOLIUM / COMMON YARROW	1 GAL	PER PLAN	1'-2"	1'-2"	ACCENT	FULL DENSE, MATCHED SPECIMEN	L7.00 - L7.01	32 01 15 32 02 00 33 46 00	
	AGH	PER PLAN	AGERATINA HAWAIIENSIS / HAWAII SNAKEROOT	1 GAL	PER PLAN	1'-2"	1'-2"	ACCENT	FULL DENSE, MATCHED SPECIMEN	L7.00 - L7.01	32 01 15 32 02 00 33 46 00	
	CAC1	PER PLAN	CAREX OBERDUNKENSIS / OBERDUNK SEEDGE	3 GAL	PER PLAN	1'-2"	1'-2"	ACCENT	FULL DENSE, MATCHED SPECIMEN	L7.00 - L7.01	32 01 15 32 02 00 33 46 00	
	CAD1	PER PLAN	CAREX DINDLSA / EUROPEAN GREY SEEDGE	3 GAL	PER PLAN	1'-2"	1'-2"	GROUND COVER	FULL DENSE, MATCHED SPECIMEN	L7.00 - L7.01	32 01 15 32 02 00 33 46 00	
	CAD2	PER PLAN	CAREX DINDLSA / EUROPEAN GREY SEEDGE	4" POT	PER PLAN	6"-8"	6"-8"	GROUND COVER	FULL DENSE, MATCHED SPECIMEN	L7.00 - L7.01	32 01 15 32 02 00 33 46 00	
	CAT1	PER PLAN	CAREX TEXENSIS / TEXAS SEEDGE	1 GAL	PER PLAN	1'-2"	1'-2"	GROUND COVER	FULL DENSE, MATCHED SPECIMEN	L7.00 - L7.01	32 01 15 32 02 00 33 46 00	
	CAT2	PER PLAN	CAREX TEXENSIS / TEXAS SEEDGE	4" POT	PER PLAN	6"-8"	6"-8"	GROUND COVER	FULL DENSE, MATCHED SPECIMEN	L7.00 - L7.01	32 01 15 32 02 00 33 46 00	
	CEA	PER PLAN	CELANOTHUS AMERICANUS / NEW JERSEY TEA	15 GAL	PER PLAN	2'-3"	2'-3"	FULL DENSE	FULL DENSE, MATCHED SPECIMEN	L7.00 - L7.01	32 01 15 32 02 00 33 46 00	
	DEC2	PER PLAN	DESCHAMPSIA COCCYDOSA / TUFTED HAIR GRASS	1 GAL	PER PLAN	1'-2"	1'-2"	ACCENT	FULL DENSE, MATCHED SPECIMEN	L7.00 - L7.01	32 01 15 32 02 00 33 46 00	
	GAL	PER PLAN	GAURA LINDHEIMERI WHIRLING BUTTERFLIPS / WHIRLING BUTTERFLIPS GAURA	1 GAL	PER PLAN	1'-2"	1'-2"	ACCENT	FULL DENSE, MATCHED SPECIMEN	L7.00 - L7.01	32 01 15 32 02 00 33 46 00	
	ILV	PER PLAN	ILEX VOMITORIA NANA / DWARF YALPOIN HOLLY	5 GAL	PER PLAN	18"-24"	18"-24"	FULL DENSE	FULL DENSE, MATCHED SPECIMEN	L7.00 - L7.01	32 01 15 32 02 00 33 46 00	
	SYD	PER PLAN	SYMPHYOTRICHUM DRUMMONDII / DRUMMOND'S ASTER	1 GAL	PER PLAN	1'-2"	1'-2"	ACCENT	FULL DENSE, MATCHED SPECIMEN	L7.00 - L7.01	32 01 15 32 02 00 33 46 00	

LANDSCAPE MATERIALS								
SYMBOL	DESCRIPTION	DETAIL	SPECIFICATION	MANUF. / MODEL	MATERIAL	FINISH	COLOR	COMMENTS
	LANDSCAPE EDGING, TYPE 1	06.07 / L7.02	32 31 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.
	DECORATIVE AGGREGATE	06.07 / L7.02	32 15 50	APEX STONE OR APPROVED EQUAL	1/2" CRUSHED LIMESTONE, POLYMER BINDER	ANGULAR, PERMEABLE BRICKER	SABINO GRAVEL	PROVIDE SAMPLE FOR REVIEW AND APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO INSTALL. INCLUDE AS PART OF PLANTING MOCK-UP.

PLANTING GENERAL NOTES

- 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.
- 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH SUBCONTRACTORS AS REQUIRED TO ACCOMPLISH HIS PLANTING OPERATIONS.
- ANY DISCREPANCIES BETWEEN THE SPECIFICATIONS, NOTES AND PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR RESOLUTION.
- 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.
- 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.
- 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.
- REFER TO THE SPECIFICATIONS FOR PLANTING REQUIREMENTS, MATERIALS, AND EXECUTION.
- ALL TREES SHALL BE TAGGED BY THE LANDSCAPE ARCHITECT AND THE OWNER'S REPRESENTATIVE AS PER SPECS.
- 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.

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.

ALL SHRUB AND GROUND COVER AREAS (EXCLUDING TURF) ARE TO BE MULCHED WITH WOOD PER SPECIFICATIONS. REFER TO THE DRAWINGS FOR SPECIFIC LOCATIONS.

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.

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

- 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.
- 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.
- 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.
- ALL PLANTS IN RAISED PLANTERS TO BE RETAIL QUALITY.

LANDSCAPE MAINTENANCE BY THE CONTRACTOR

- 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.
- CONTINUOUSLY MAINTAIN ALL INVOLVED AREAS DURING THE PROGRESS OF THE LANDSCAPING OPERATIONS AND DURING THE MAINTENANCE PERIOD UNTIL THE FINAL ACCEPTANCE OF THE WORK.
- 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.
- 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.
- 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.
- CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR MAINTAINING ADEQUATE PROTECTION OF LANDSCAPE AREAS. REPAIR DAMAGED AREAS IMMEDIATELY.

GUARANTEES & REPLACEMENTS BY THE CONTRACTOR

- 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.
- PLANTS FOUND TO BE DEAD OR NOT IN VIGOROUS CONDITION AS DETERMINED BY THE LANDSCAPE ARCHITECT NOTED WITHIN THE GUARANTEE PERIOD MUST BE REPLACED WITHIN 14 DAYS OF NOTIFICATION.
- 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:

- PLANT MATERIAL IS A DYNAMIC, UNPREDICTABLE, LIVING ORGANISM THAT CAN CREATE HAZARDS TO PEOPLE AND BUILT STRUCTURES.
- 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.
- 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 DISCLAIMS ANY RESPONSIBILITY FOR DAMAGES CAUSE BY PLANT GROWTH AND/OR THE APPLICATION OF IRRIGATION WATER.
- 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.
- 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.

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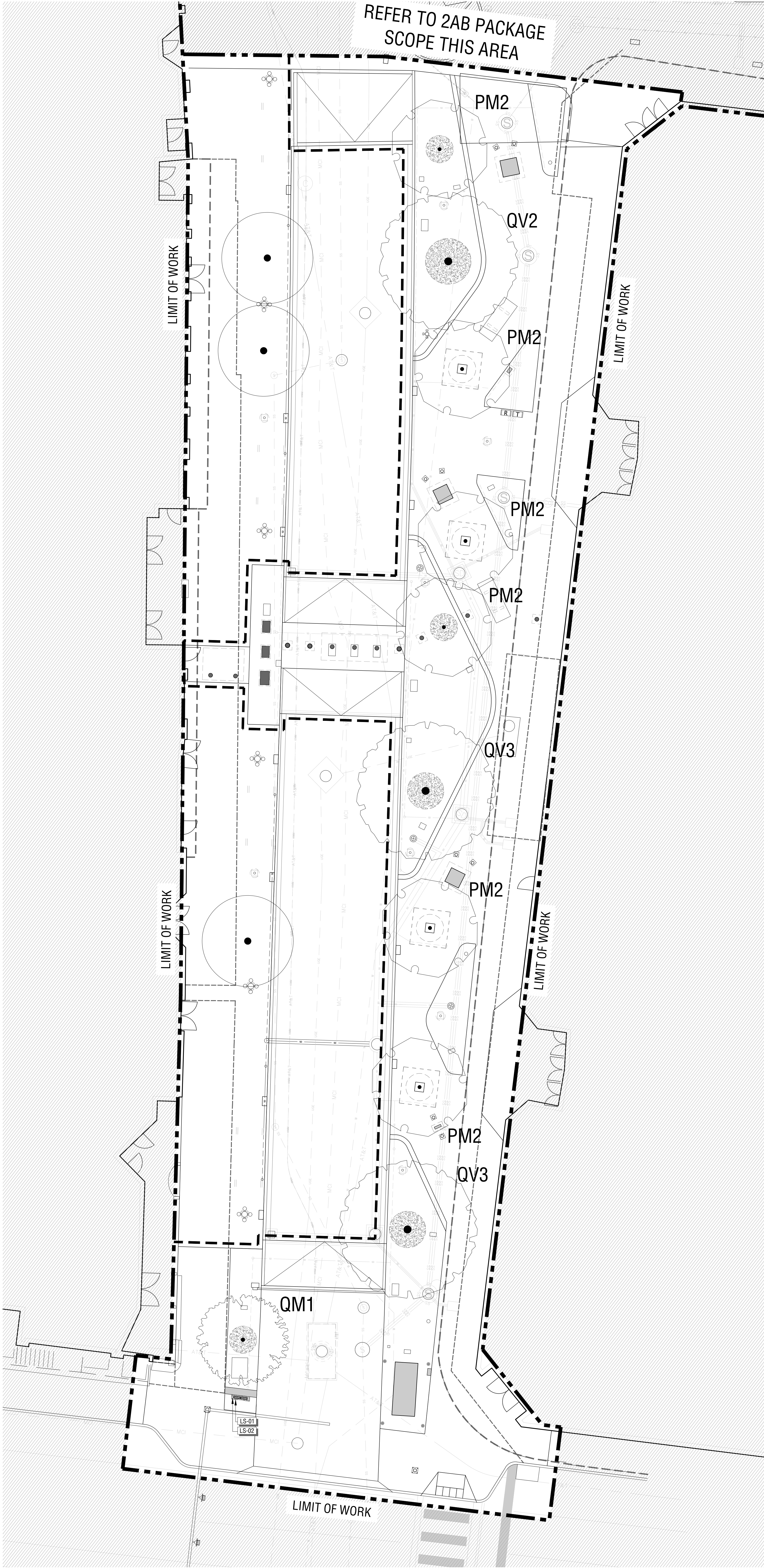
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 06/19/2024
Date Description
06/19/2024 ISSUE FOR CONSTRUCTION

Project Name
ALAMO SITE - AREA 2C - PROMENADE
Project Number
122.0076.202
Description
PLANTING SCHEDULE & NOTES
Scale

L6.00



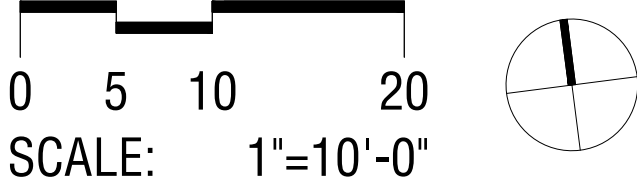
PLANT SCHEDULE

TREES			
SYMBOL	CODE	BOTANICAL / COMMON NAME	CALIPER
	EX	EXISTING TREE TO REMAIN	EXISTING
	PM3	PLATANUS MEXICANA / MEXICAN SYCAMORE	8" MIN.
	QM1	QUERCUS MUEHLENBERGII / CHINKAPIN OAK	8" MIN.
	QV2	QUERCUS VIRGINIANA / LIVE OAK	10" MIN.
	QV3	QUERCUS VIRGINIANA / LIVE OAK	8" MIN.
SHRUBS			
SYMBOL	CODE	BOTANICAL / COMMON NAME	CONTAINER
	ADM	ACHILLEA MILLEFOLIUM / COMMON YARROW	1 GAL.
	ASH	ASPIDISTRA HAWAIIENSIS / HAWAII SNAKEROOT	1 GAL.
	CAC1	CAREX CHEROKEENSIS / CHEROKEE SEDGE	3 GAL.
	CAD1	CAREX DIVULSIA / EUROPEAN GRAY SEDGE	3 GAL.
	CAO2	CAREX DIVULSIA / EUROPEAN GRAY SEDGE	4" POT.
	CAT1	CAREX TEXENSIS / TEXAS SEDGE	1 GAL.
	CAT2	CAREX TEXENSIS / TEXAS SEDGE	4" POT.
	CEA	CEANOTHUS AMERICANUS / NEW JERSEY TEA	15 GAL.
	DEC2	DESCHAMPSIA CESPITOSA / TUFTED HAIR GRASS	1 GAL.
	GAL	GAILLARDIA LINDHEIMERI / WHIRLING BUTTERFLIES / WHIRLING BUTTERFLIES GAUdia	1 GAL.
	ILV	ILEX VOMITORIA / BANANA / SHARP YACAPON HOLLY	3 GAL.
	SYD	SYMPHYOTRICHUM DRUMMONDII / DRUMMOND'S ASTER	1 GAL.

ROOTBALL LOCATION PER PLAN

PLANTING NOTES

- 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.
- 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.
- 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.
- 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.
 - SHRUBS - LAY OUT THE ACTUAL CONTAINERS ONSITE PRIOR TO DIGGING HOLES.
 - 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.
- REFER TO CIVIL ENGINEER DRAWINGS FOR ALL EXISTING CONDITIONS, SURVEY INFORMATION AND MISCELLANEOUS FEATURES.
- 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.
- REFER TO SHEET L0.10 FOR FULL GENERAL TREE PROTECTION NOTES.
- REFER TO SHEET L1.00 FOR FULL CONSTRUCTION AND LAYOUT NOTES.
- 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.
- CONTRACTOR SHALL AVOID ROUTING ALL UTILITIES THROUGH TREE PITS, TYPICAL REFER TO SHEET L4.01 FOR LIMITS OF TREE PITS.



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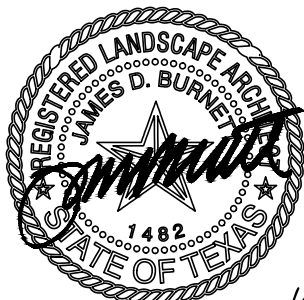
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Seal / Signature



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ALAMO SITE - AREA 2C -
PROMENADE

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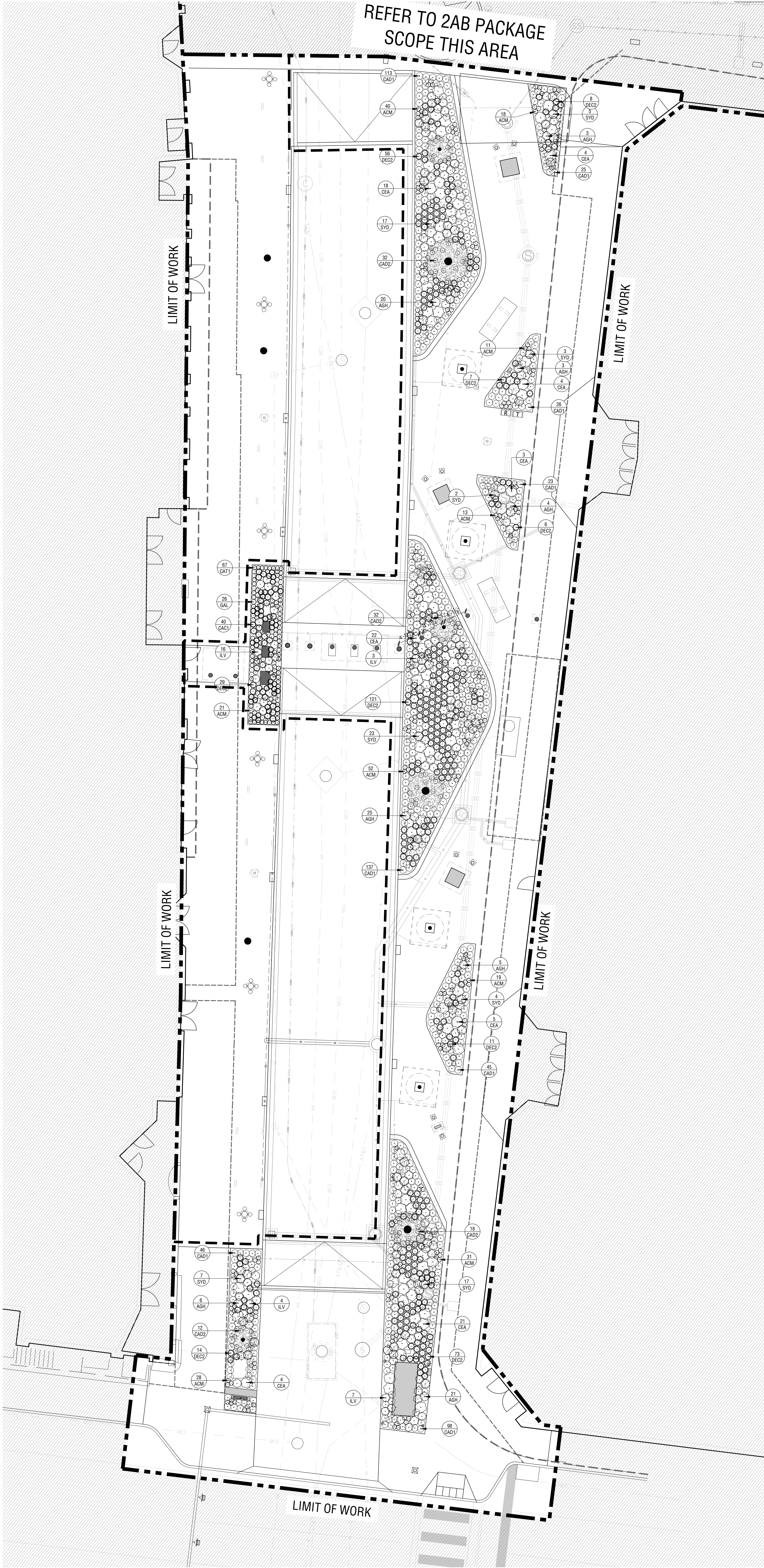
Description

TREE PLANS - EAST SCULPTURE TRAIL

Scale

1" = 10'-0"

L6.01A



PLANT SCHEDULE

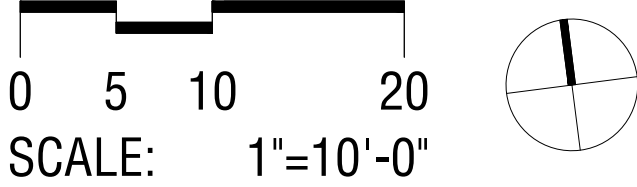
TREES			
SYMBOL	CODE	BOTANICAL / COMMON NAME	CALIPER
EX	EX	EXISTING TREE TO REMAIN	EXISTING
PM3	PM3	PLATANUS MEXICANA / MEXICAN SYCAMORE	8" MIN.
QMT1	QMT1	QUERCUS MUEHLBERGII / CHINKAPIN OAK	8" MIN.
QV2	QV2	QUERCUS VIRGINIANA / LIVE OAK	10" MIN.
QV3	QV3	QUERCUS VIRGINIANA / LIVE OAK	8" MIN.

SHRUBS			
SYMBOL	CODE	BOTANICAL / COMMON NAME	CONTAINER
ADM	ADM	ACHILLEA MILLEFOLIUM / COMMON YARROW	1 GAL.
ASH	ASH	ASERATINA HAWAIIENSIS / HAWAII SNAKEROOT	1 GAL.
CAC1	CAC1	CAREX CHEROKEENSIS / CHEROKEE SEDGE	3 GAL.
CAC1	CAC1	CAREX DIVULSA / EUROPEAN GREY SEDGE	3 GAL.
CAC2	CAC2	CAREX DIVULSA / EUROPEAN GREY SEDGE	4" POT.
CAT1	CAT1	CAREX TEXENSIS / TEXAS SEDGE	1 GAL.
CAT2	CAT2	CAREX TEXENSIS / TEXAS SEDGE	4" POT.
CEA	CEA	CELANOTHUS AMERICANUS / NEW JERSEY TEA	15 GAL.
DEC2	DEC2	DESCHAMPSIA DESPITOIDA / TUFTED HAIR GRASS	1 GAL.
GAL	GAL	GAURA LINDHEIMERI / WHIRLING BUTTERFLIES / WHIRLING BUTTERFLIES GAURA	1 GAL.
ILV	ILV	ILEX VOMITORIA / HAWK / SHARP YACUPON HOLLY	5 GAL.
SYD	SYD	SYMPHYOTRICUM DRUMMONDII / DRUMMOND'S ASH	1 GAL.

ROOTBALL LOCATION PER PLAN

PLANTING NOTES

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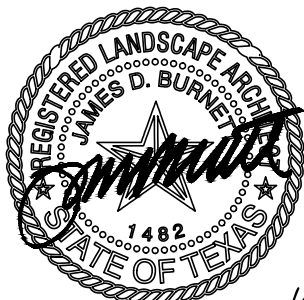
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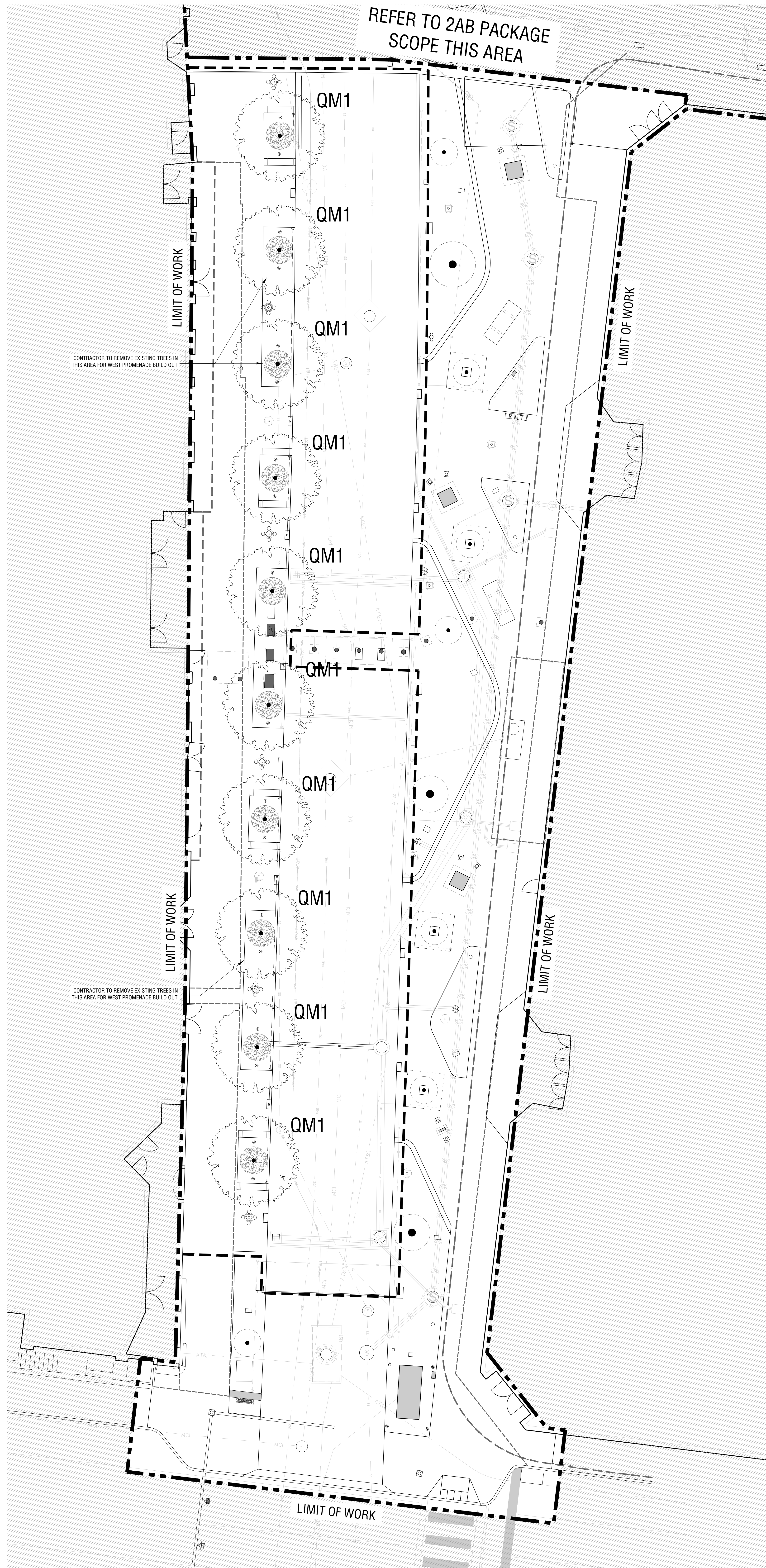
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PLANTING PLANS - EAST SCULPTURE
TRAIL


















Scale

1" = 10'-0"

L6.01B

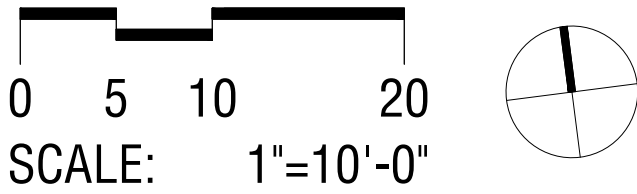


PLANT SCHEDULE

TREES			
SYMBOL	CODE	BOTANICAL / COMMON NAME	CALIPER
	EX	EXISTING TREE TO REMAIN	EXISTING
	PM3	PLATANUS MEXICANA / MEXICAN SYCAMORE	8" MIN.
	QM1	QUERCUS MUEHLENBERGII / CHINKAPIN OAK	6" MIN.
	QV2	QUERCUS VIRGINIANA / LIVE OAK	10" MIN.
	QV3	QUERCUS VIRGINIANA / LIVE OAK	8" MIN.
SHRUBS			
SYMBOL	CODE	BOTANICAL / COMMON NAME	CONTAINER
	ADM	ACHILLEA MILLEFOLIUM / COMMON YARROW	1 GAL.
	AGH	AGERATINA HAVANENSIS / HAVANA SNAKEROOT	1 GAL.
	CA1	CAREX CHEROKEENSIS / CHEROKEE SEDGE	3 GAL.
	CA21	CAREX DIVULSA / EUROPEAN GREY SEDGE	3 GAL.
	CA22	CAREX DIVULSA / EUROPEAN GREY SEDGE	4" POT
	CA11	CAREX TEXENSIS / TEXAS SEDGE	1 GAL.
	CA12	CAREX TEXENSIS / TEXAS SEDGE	4" POT
	CEA	CLEOMEUTHUS AMERICANUS / NEW JERSEY TEA	15 GAL.
	DEC2	DESCHAMPSIA CESPITOSA / TUFTED HAIR GRASS	1 GAL.
	GAU	GAURA LINDHEIMERI / WHIRLING BUTTERFLIES / WHIRLING BUTTERFLIES GAURA	1 GAL.
	ILV	ILEX VOMITORIA / WAX / DWARF YALPOON HOLLY	5 GAL.
	SYD	SYMPHYOTRICHUM DRUMMONDII / DRUMMOND'S ASTER	1 GAL.

PLANTING NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL SOLIDS AS REQUIRED BY THE SOLIDS AND LIQUIDS DISPOSAL PERMITS. REFERENCE TO 4 SERIES DRAWINGS FOR SOLIDS INFORMATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES THROUGHOUT THE PROTECTION BOARD AND ALL APPURTENANCES. REFERENCE CIVIL ENGINEER'S ARCHITECT'S AND SURVEY BASIS FOR ADDITIONAL INFORMATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH THE FULL CONTRACT (DRAWINGS AND SPECIFICATIONS) PRIOR TO COMMENCING WORK. SUBCONTRACTORS AS REQUIRED TO ACCOMPLISH PLANTING OPERATIONS.
- FINAL LOCATION OF ALL PLANT MATERIAL SHALL BE SUBJECT TO REVIEW AND APPROVAL OF THE LANDSCAPE ARCHITECT AND THE LANDSCAPE ARCHITECT SHALL ADVISE THE CONTRACTOR OF ANY SCHEDULE SITE VISITS AT MINIMUM OF SEVEN (7) DAYS PRIOR TO VISIT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BEGINNING PLANTING INSTALLATION OPERATIONS.
- ALL SHRUBS - LAY OUT THE ACTUAL CONTAINERS ONSITE
- ALL TREES - STAKE THE LOCATIONS PRIOR TO DIGGING HOLES FOR PLANTING. THE CONTRACTOR SHALL BE RESPONSIBLE TO APPROVE BY THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE. ANY DAMAGE TO TREES SHALL BE RELOCATED AT THE EXPENSE OF THE CONTRACTOR.
- REFER TO CIVIL ENGINEER DRAWINGS FOR ALL EXISTING CONDITIONS, SURVEY INFORMATION AND MISCELLANEOUS PLANTING INFORMATION.
- RIGHT OF WAY IMPROVEMENTS SHALL BE PROTECTED IN PLACE UNLESS EXPLICITLY NOTED IN CIVIL ENGINEER OR LANDSCAPE ARCHITECT'S DRAWINGS. ANY DAMAGE OCCURS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- REFER TO SHEET L10 FOR FULL PROTECTION NOTES. TREE PROTECTION NOTES.
- REFER TO SHEET L10 FOR FULL PROTECTION AND LANDSCAPE NOTES.
- THE LIMIT OF WORK (L.O.W.) IS FOR REFERENCE ONLY. ALL LIMITS OF WORK ARE TO BE VERIFIED AND DELINEATED IN FIELD BY OWNER'S APPROVAL. PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
- REFER TO SHEET L10 ABOUT ROUTING ALL UTILITIES THROUGH TREE PITTS. TYPICAL. REFER TO SHEET L10 FOR LIMITS OF WORK.



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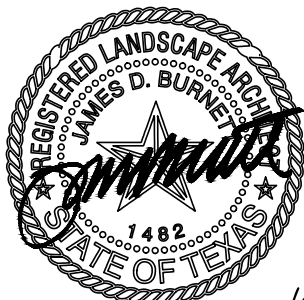
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Seal / Signature



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ALAMO SITE - AREA 2C -
PROMENADE

Project Number

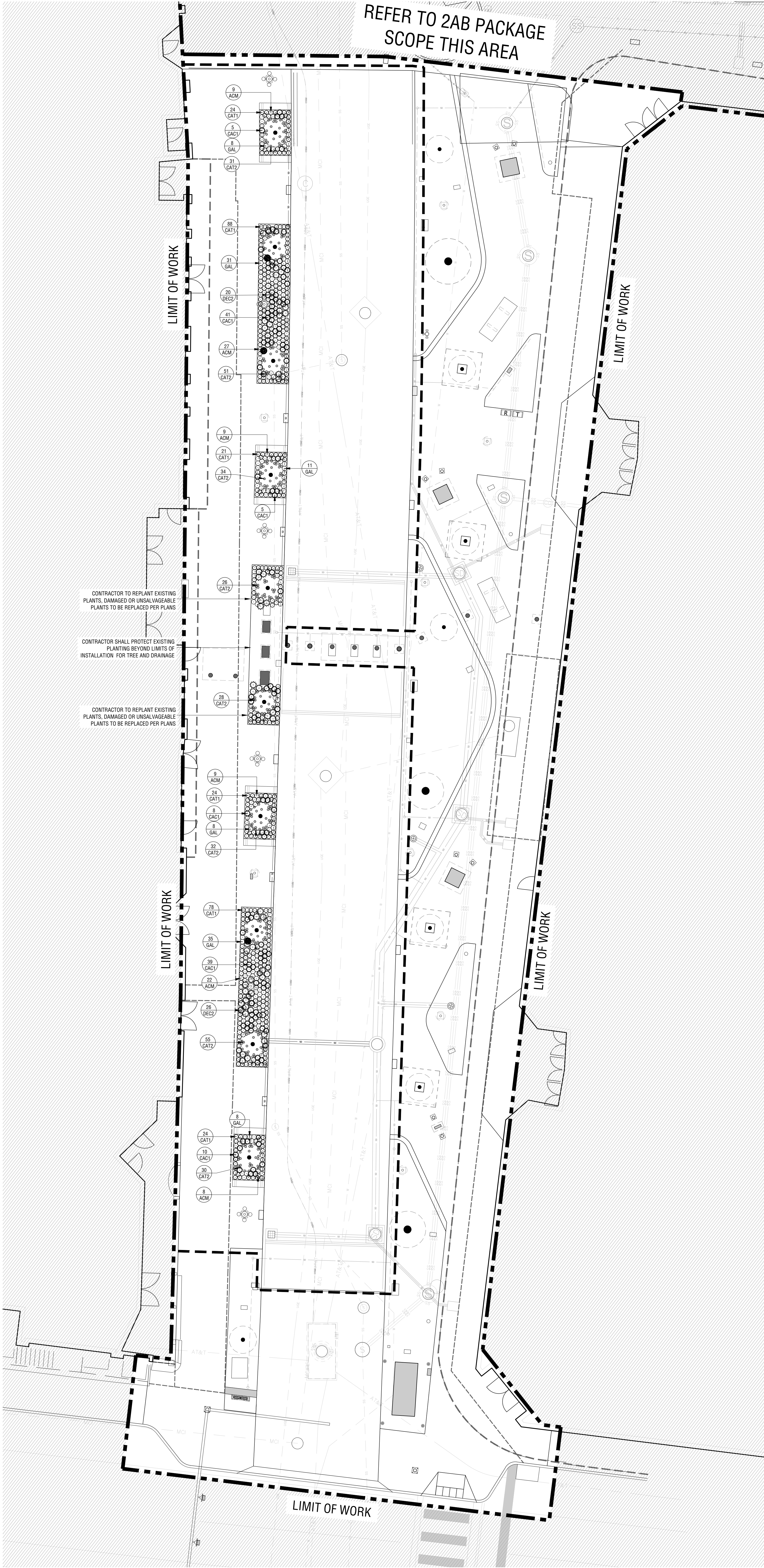
122.0076.202

Description
TREE PLANS - WEST PROMENADE

Scale

1" = 10'-0"

L6.02A



PLANT SCHEDULE

TREES

SYMBOL	CODE	BOTANICAL / COMMON NAME	CALIPER
EX	EX	EXISTING TREE TO REMAIN	EXISTING
PM3	PM3	PLATANUS MEXICANA / MEXICAN SYCAMORE	8" MIN.
QMT1	QMT1	QUERCUS MUEHLBERGII / CHINKAPIN OAK	8" MIN.
QV2	QV2	QUERCUS VIRGINIANA / LIVE OAK	10" MIN.
QV3	QV3	QUERCUS VIRGINIANA / LIVE OAK	8" MIN.

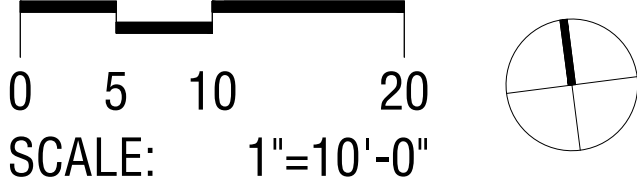
SHRUBS

SYMBOL	CODE	BOTANICAL / COMMON NAME	CONTAINER
ADM	ADM	ACHILLEA MILLEFOLIUM / COMMON YARROW	1 GAL.
ASH	ASH	ADONIS HAVANENSIS / HAVANA SNAKEROOT	1 GAL.
CAC1	CAC1	CAREX CHEROKEENSIS / CHEROKEE SEDGE	3 GAL.
CAC1	CAC1	CAREX DIVULSA / EUROPEAN GREY SEDGE	3 GAL.
CAC2	CAC2	CAREX DIVULSA / EUROPEAN GREY SEDGE	4" POT.
CAT1	CAT1	CAREX TEXENSIS / TEXAS SEDGE	1 GAL.
CAT2	CAT2	CAREX TEXENSIS / TEXAS SEDGE	4" POT.
CEA	CEA	CELANOTHUS AMERICANUS / NEW JERSEY TEA	15 GAL.
DEC2	DEC2	DESCHAMPSIA DESPOTOSA / TUFTED HAIR GRASS	1 GAL.
GAL	GAL	GAURA LINDHEIMERI / WHIRLING BUTTERFLIES / WHIRLING BUTTERFLIES GAURA	1 GAL.
ILV	ILV	ILEX VOMITORIA 'NANA' / DWARF YAPON HOLLY	3 GAL.
SYD	SYD	SYMPHYOTRICUM DRUMMONDII / DRUMMOND'S ASTER	1 GAL.

ROOTBALL LOCATION PER PLAN

PLANTING NOTES

- 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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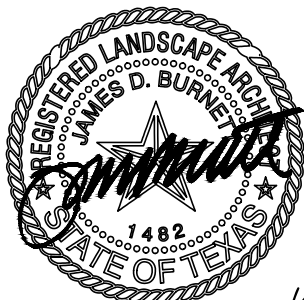
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06/19/2024 ISSUE FOR CONSTRUCTION

Project Name

ALAMO SITE - AREA 2C -
PROMENADE

Project Number

122.0076.202

Description

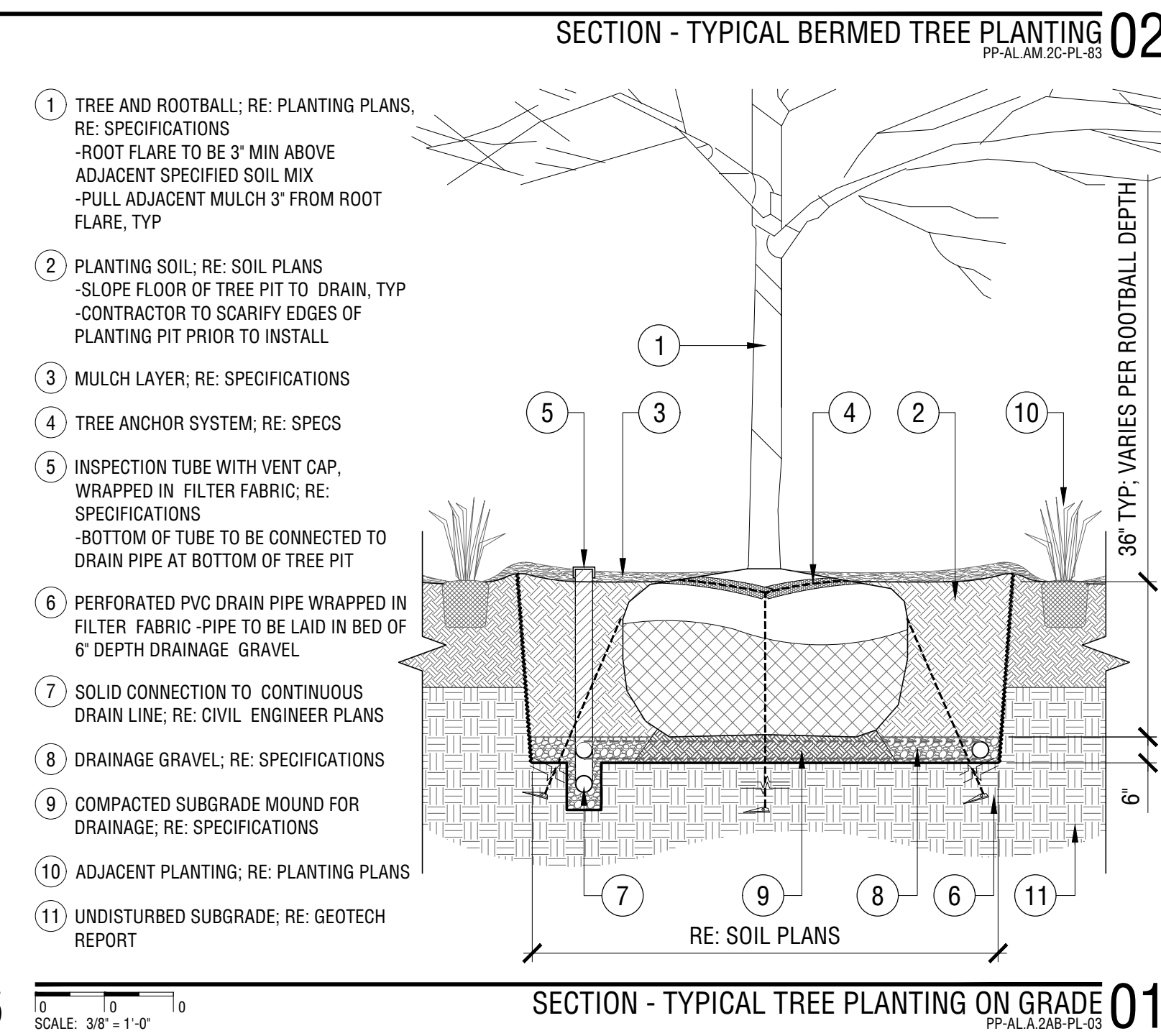
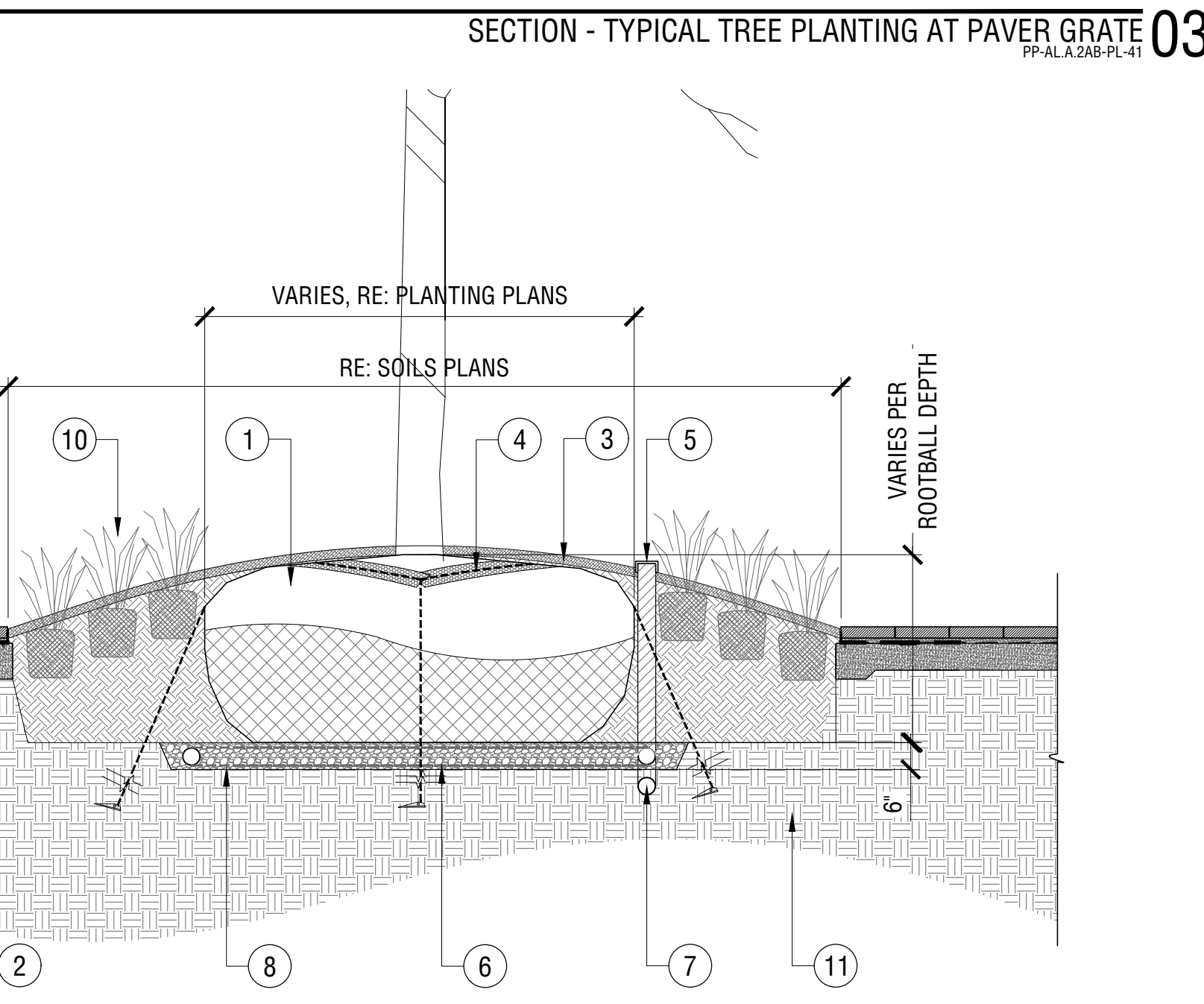
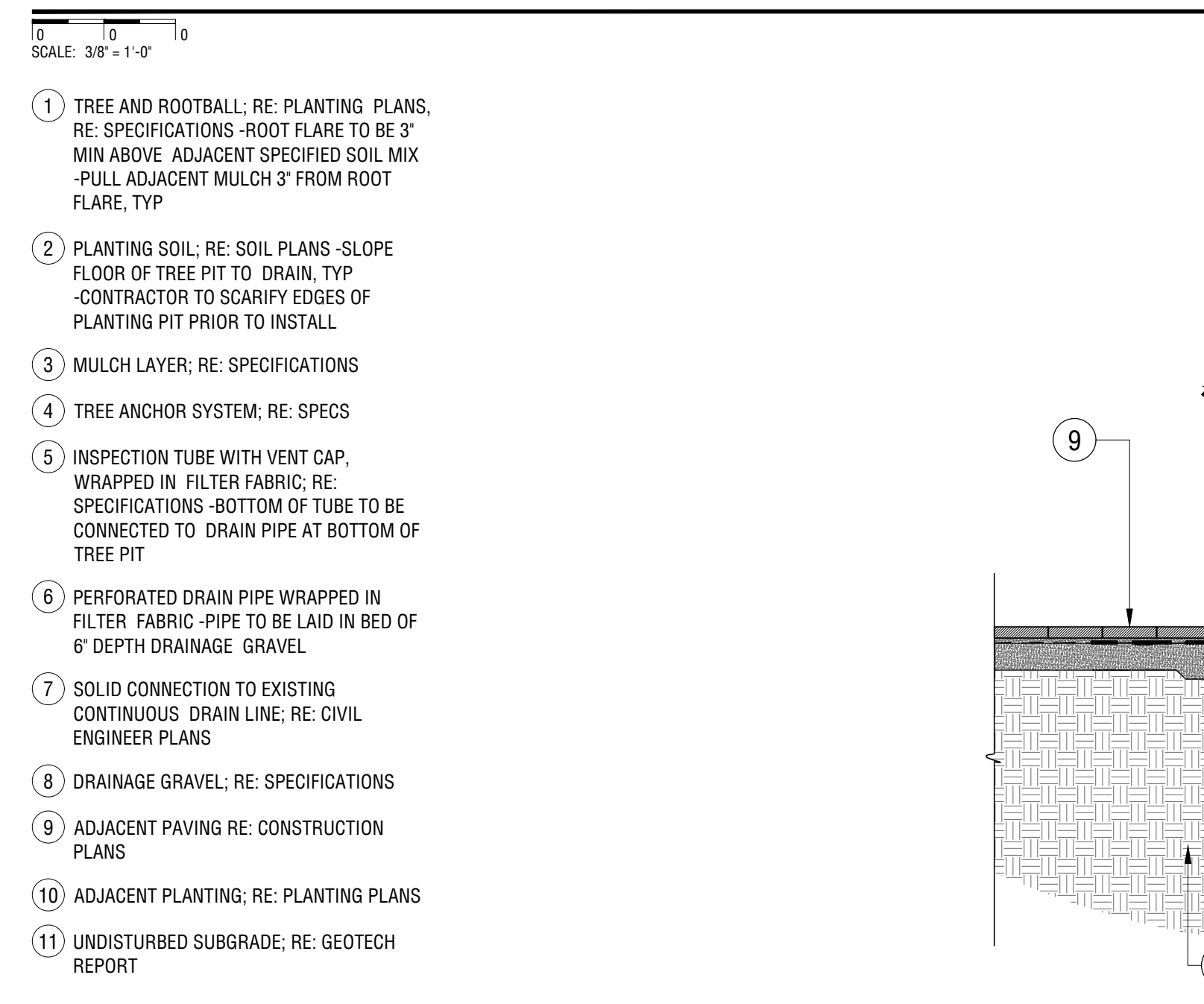
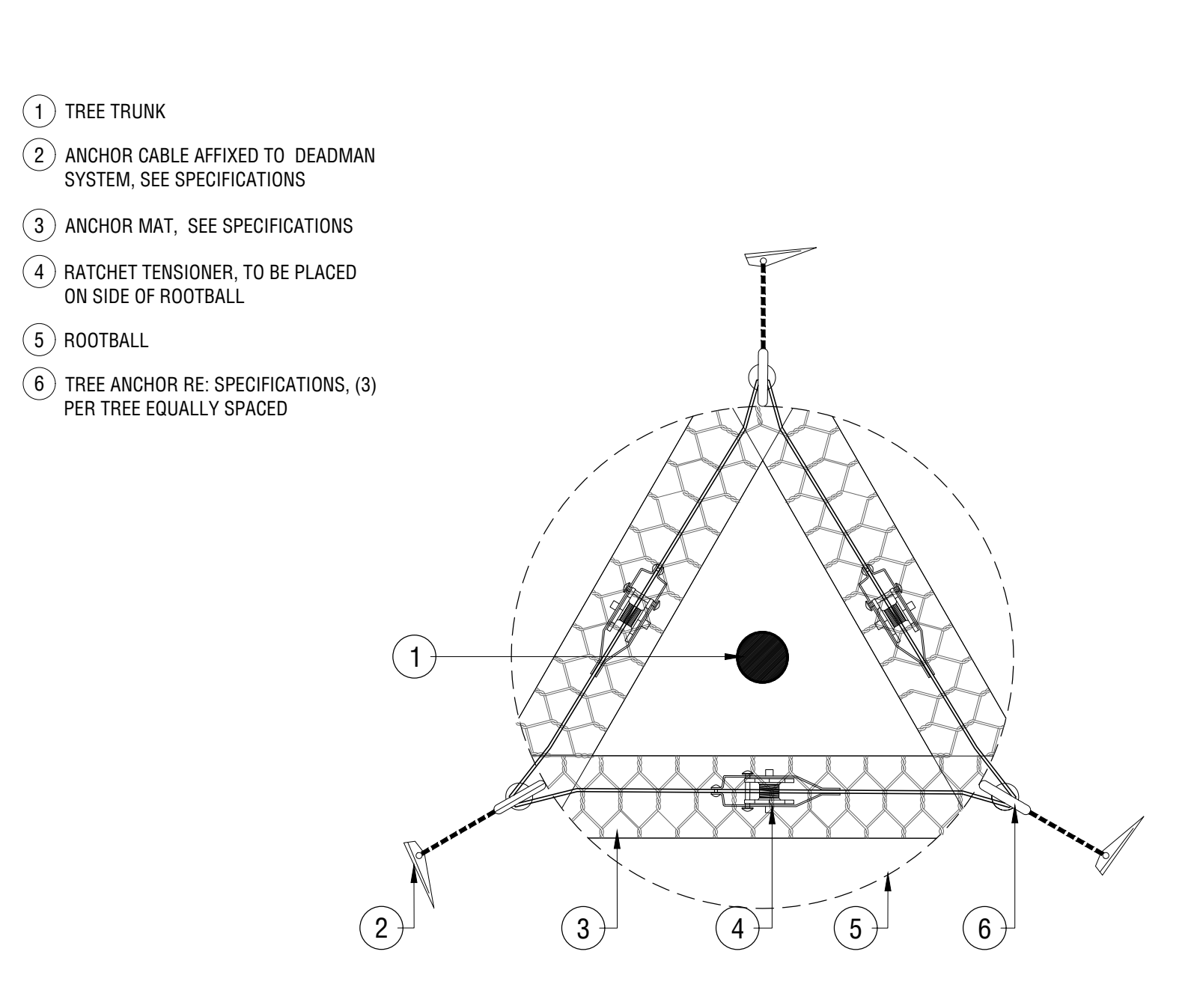
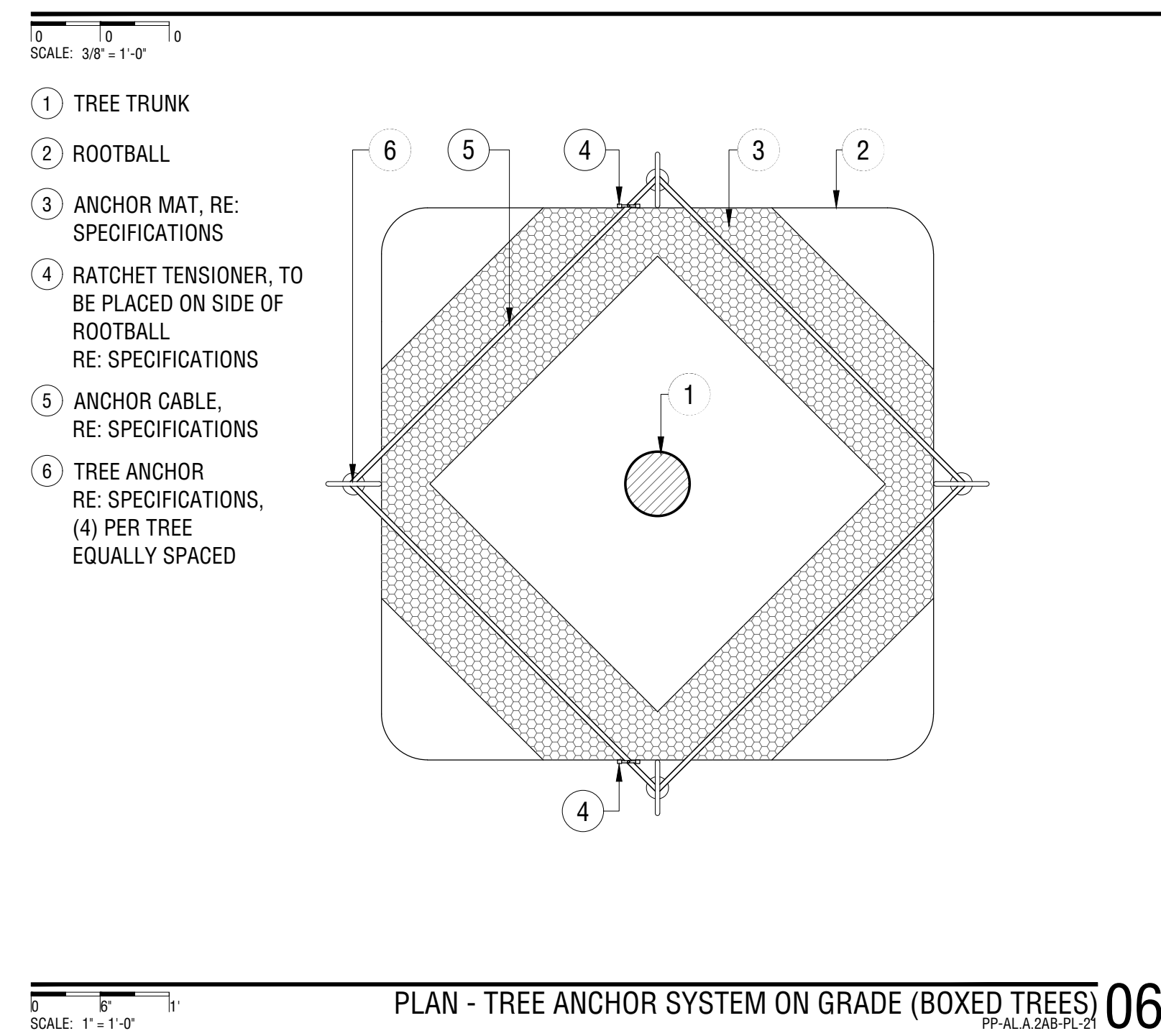
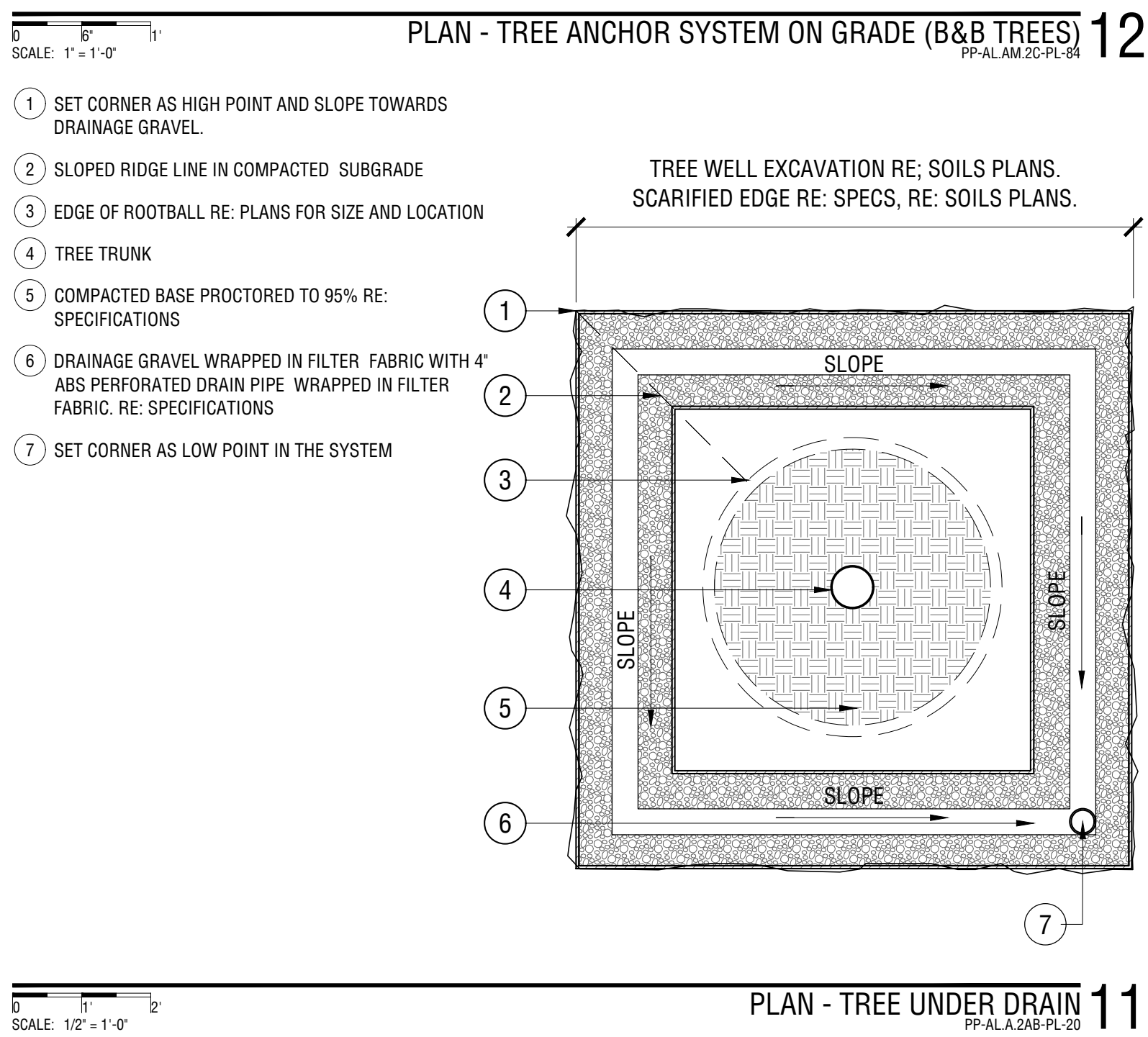
PLANTING PLANS - EAST PROMENADE

Scale

1" = 10'-0"

L6.02B

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Seal / Signature

06/19/2024

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PLANTING DETAILS

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06/19/2024

△ Date	Description
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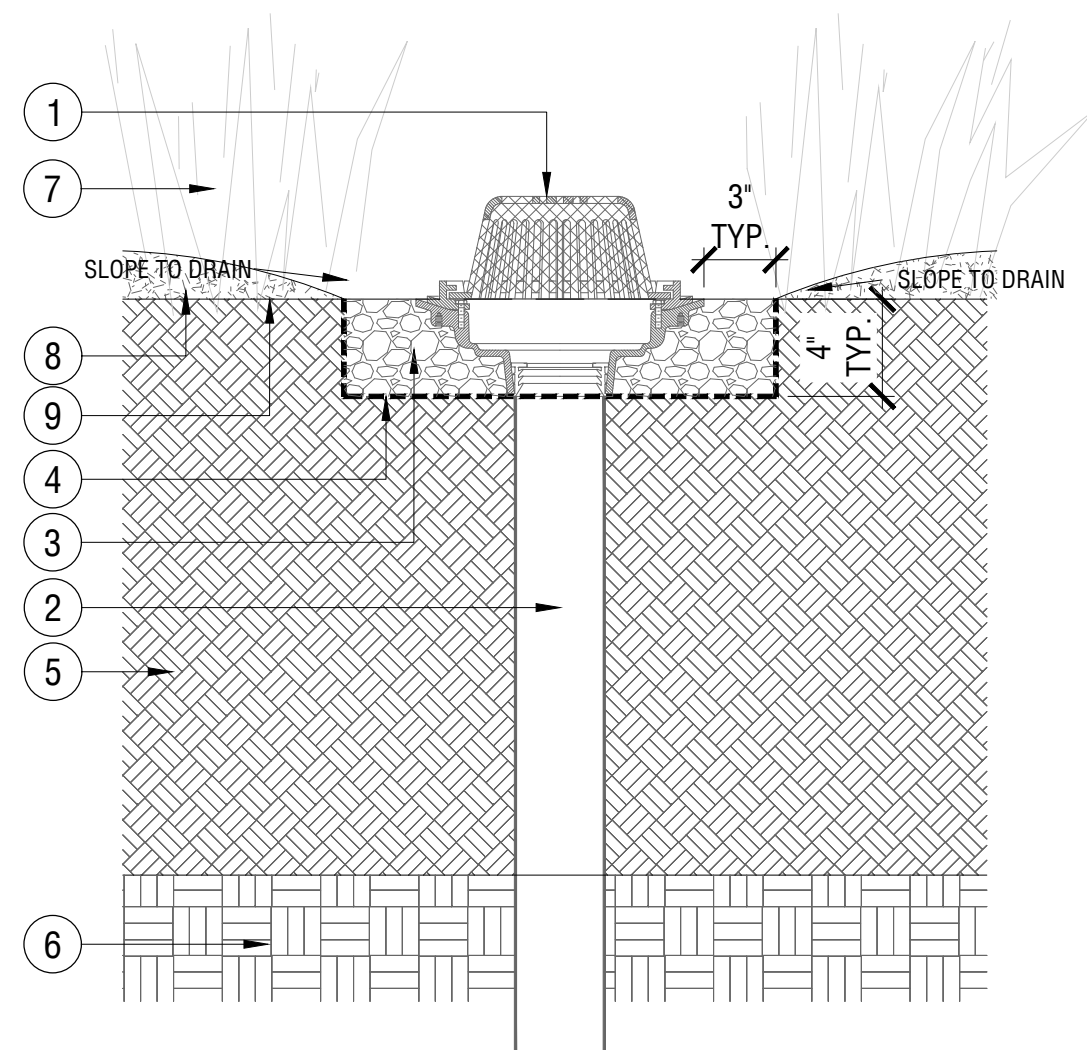
Description
PLANTING DETAILS

Scale

L7.02

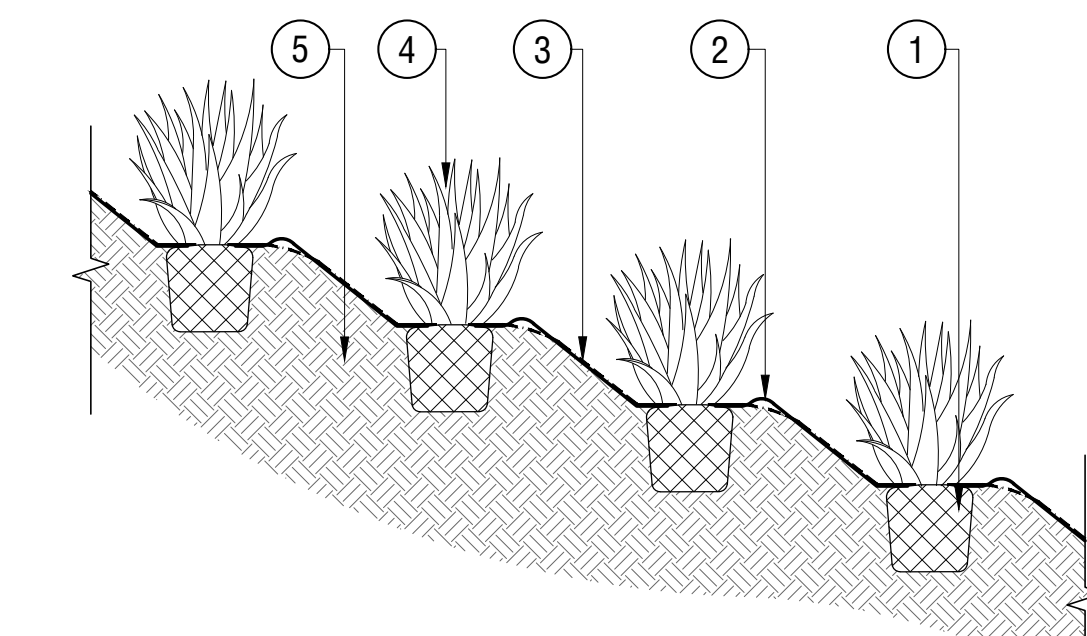
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- | | |
|--|--|
| <p>① ATRIUM DRAIN INLET; RE: CONSTRUCTION SCHEDULE</p> <p>② DRAIN PIPE RISER; RE: CIVIL ENGINEER</p> | <p>NOTE:</p> <p>1. CONTRACTOR TO VERIFY ALL DRAIN BODY DIMENSIONS PRIOR TO INSTALLATION OF DRAINAGE GRAVE</p> |
|--|--|



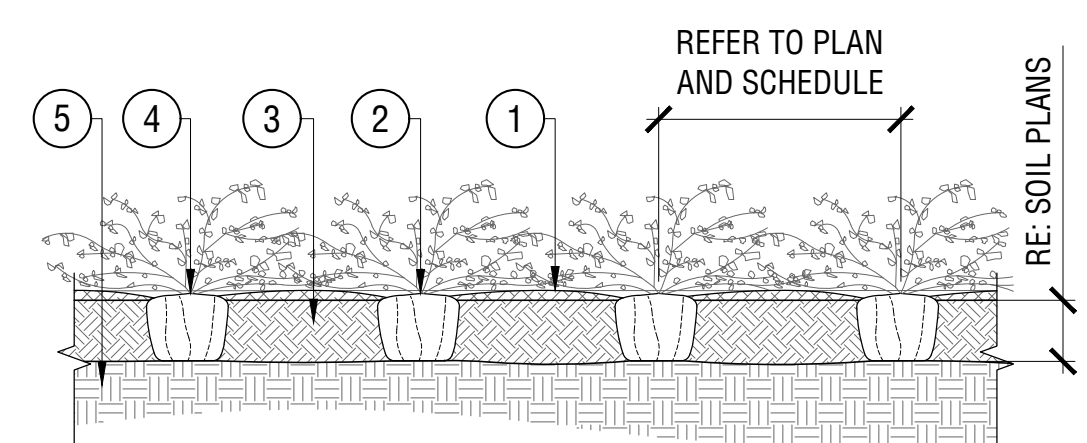
SECTION - DRAIN INLET IN PLANTER

- ① TOP OF ROOTBALL TO BE 1" ABOVE SOIL MIX, TYPE _____
- ② 3" BERM AND WATERING SAUCER
- ③ GEOSYNTHETIC ROOT REINFORCEMENT MATRIX,
RE: SPECIFICATIONS
- ④ PLANTS
RE: PLANS FOR LOCATIONS
- ⑤ PLANTING MIX
RE: SPECIFICATIONS



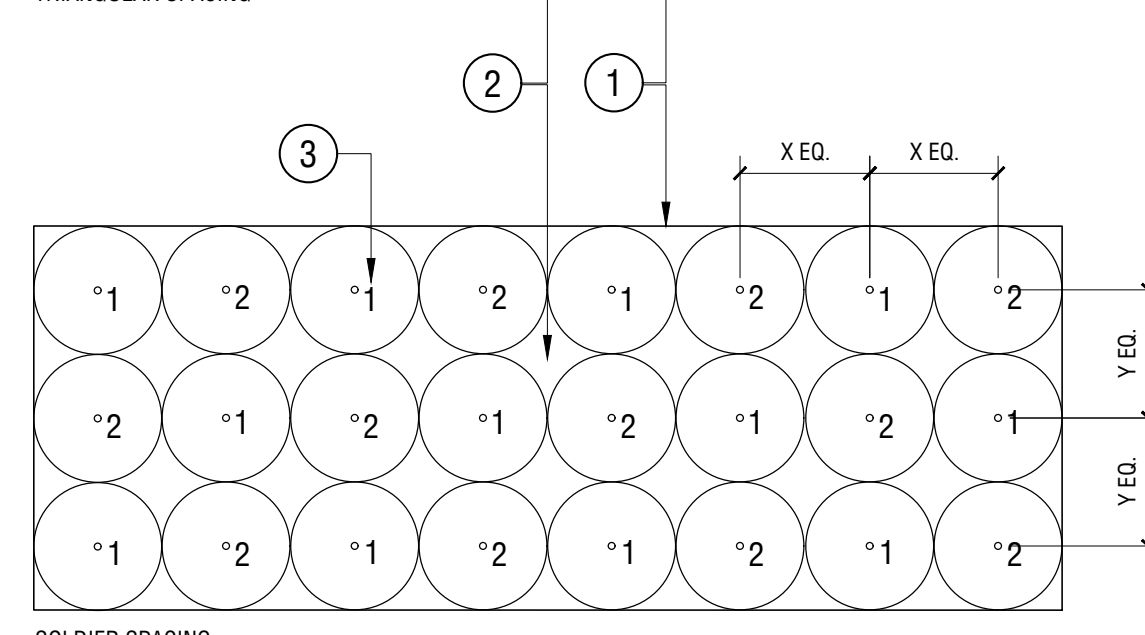
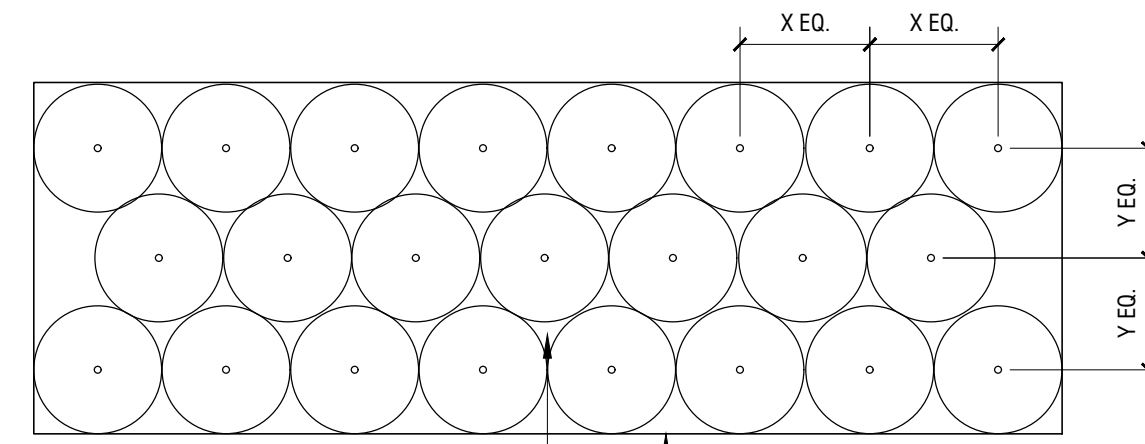
SECTION - GROUNDCOVER AND SHRUB PLANTING ON SLOPE

- ① MULCH LAYER; RE: SPECIFICATION
- ② LOOSEN ROOTBALL OF ANY ROOT BOUND PLANTS, TYP.
- ③ PLANTING MIX, RE: SOILS PLANS
- ④ TOP OF ROOTBALL TO BE 1" ABOVE SOIL MIX, TYP.
- ⑤ UNDISTURBED SUBGRADE FOR COMPACTED BACKFILL SOIL



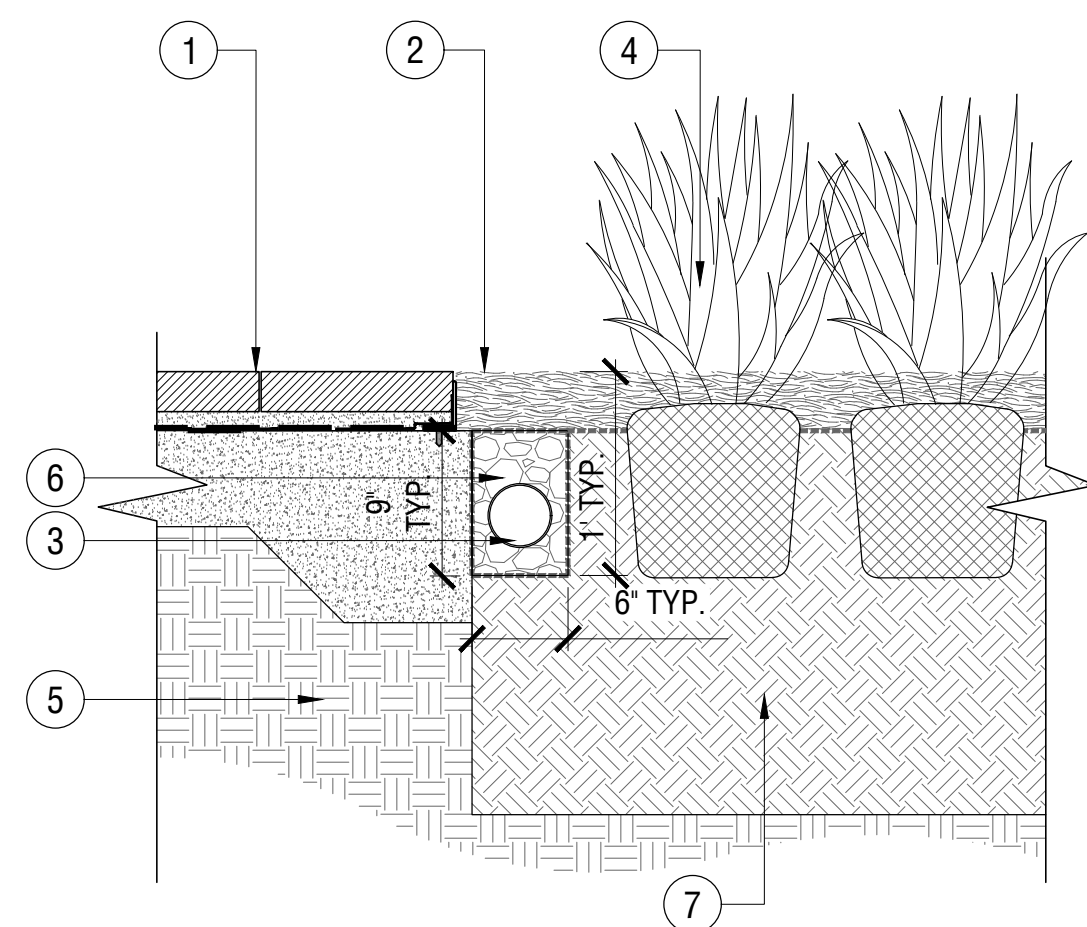
SECTION - GROUND COVER AND SHRUB PLANTING

- 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



X AND Y = ON CENTER SPACING
RE: PLANTING PLANS

- 1 ADJACENT PAVING, RE: CONSTRUCTION PLANS AND SCHEDULE
- 2 MULCH LAYER, RE: SPECIFICATIONS
- 3 PERFORATED SCH40 P/V C DRAIN PIPE. LAYOUT PER CIVIL DRAINAGE PLANS. SOLID TIE-IN TO CIVIL STORM DRAIN LINE, RE: CIVIL ENGINEER
- 4 ADJACENT PLANTING, RE: PLANTING PLANS
- 5 PREPARED SUB-GRADE, RE: GEOTECHNICAL REPORT
- 6 DRAINAGE AGGREGATE WRAPPED IN FILTER FABRIC, RE: SPECIFICATIONS. INSTALL DRAINAGE ASSEMBLY MAXIMUM 1'-0" BELOW ADJACENT FINISHED PAVING SURFACE, RE: CIVIL DRAINAGE AND GRADING PLANS
- 7 PLANTING SOILS, RE: SOILS PLAN



SECTION - PERFORATED DRAIN PIPES AT PAVING EDGES 06

- PLAN - SHRUB AND GROUND COVER SPACING-TYPICAL

TYPICAL STRUCTURAL ABBREVIATIONS				ALL ABBREVIATIONS SHOWN ARE NOT NECESSARILY USED			
A				K			
ABOVE FINISH FLOOR	—	AFF		KIPS (1000 LBS)	—	k	
ADDITIONAL	—	ADDNL		KIP PER LINEAR FOOT	—	KLF	
ADJACENT	—	ADJ.		KIP PER SQUARE FOOT	—	KSF	
AGGREGATE	—	AGGR					
ALTERNATE	—	ALT.		L			
ANCHOR BOLT	—	A.B.					
AND	—	&		LIGHTWEIGHT CONCRETE	—	LWT. CONC.	
ANGLE	—	L		LIVE LOAD	—	LL	
APPROVED	—	APPD.		LONGITUDINAL	—	LONG.	
APPROXIMATE	—	APPROX.		LONG LEG HORIZONTAL	—	LLH	
ARCHITECT	—	ARCH.		LONG LEG VERTICAL	—	LLV	
ARCHITECTURAL	—	ARCHL.		LONG SIDE HORIZONTAL	—	LSH	
ARCHL. FINISH SURFACE	—	A.F.S.		LONG SIDE VERTICAL	—	LSV	
AT	—	@		LOW POINT	—	L.P.	
AIR CONDITIONER	—	AC					
AIR HANDLING UNIT	—	AHU		M			
B				MANUFACTURE(R)			
BACK FACE	—	B.F.		MASONRY OPENING	—	MFR.	
BACK TO BACK	—	B.T.O.B.		MATERIAL	—	M.O.	
BASEMENT	—	BSMT.		MAXIMUM	—	MAT.	
BEAM	—	BM.		MECHANICAL	—	MAX.	
BEARING	—	BRG.		MEZZANINE	—	MECH.	
BELOW FINISH FLOOR	—	BFL		MIDDLE	—	MEZZ.	
BETWEEN	—	BTWN.		MINIMUM	—	MD.	
BEVEL (ED)	—	BEV (D)		MISCELLANEOUS	—	MIN.	
BLOCK	—	BLK		MOMENT	—	MISC.	
BLOCKING	—	BLKG.		MOMENT CONNECTION(S)	—	M	
BLOCK-OUT	—	B.O.				M.C. OR	
BOTTOM	—	BOT.		N			
BRACKET	—	BRKT.		NEAR FACE	—	N.F.	
BRICK LEDGE ELEVATION	—	B.L.E.		NOMINAL	—	NOM.	
BRIDGING	—	BRDG.		NON-SHRINK	—	N.S.	
BUILDING	—	BLDG.		NOT IN CONTRACT	—	N.I.C.	
BUILDING LINE	—	B.L.		NOT TO SCALE	—	N.T.S.	
				NUMBER	—	NO. OR #	
C				O			
CANTILEVER	—	CANT.		ON CENTER	—	O.C.	
CAST IRON	—	C.I.		OPENING(S)	—	OPNG(S)	
CAST-IN-PLACE	—	C.I.P.		OPPOSITE	—	OPP.	
CEILING	—	CLG.		OPPOSITE HAND	—	O.P.	
CENTER LINE	—	C.L.		OUTSIDE FACE	—	O.F.	
CENTER OF GRAVITY	—	C.G.		OUTSIDE DIAMETER	—	O.D.	
CENTER TO CENTER	—	C.T. TO C.		OUTSTANDING	—	OSTG.	
CHANNEL	—	C					
CLEAR OR CLEARANCE	—	CLR.		P			
COLUMN	—	COL.		PAN	—	P	
COMPRESSION	—	C OR COMP.		PARALLEL	—	PAR.	
CONCRETE	—	CONC.		PARTITION	—	PARTN.	
CONCRETE MASONRY UNIT	—	CMU		PENETRATION	—	PEN.	
CONNECTION (S)	—	CONN(S)		PERPENDICULAR	—	PERP.	
CONTINUOUS	—	CONT.		PIECE	—	PC.	
CONTRACTOR	—	CONTR.		PLATE	—	PL.	
CONTROL JOINT	—	CT.J.		POINT	—	PT.	
CONSTRUCTION	—	CONST.		POUNDS PER SQUARE FOOT	—	P.S.F.	
CONSTRUCTION JOINT	—	C.J.		POUNDS PER SQUARE INCH	—	P.S.I.	
CORNER	—	COR.		PRECAST CONCRETE	—	P.C.	
COVER PLATE	—	COV. PL.		PRE-ENGINEERED BUILDING MANUFACTURER	—	PEBM	
D				R			
DETAIL	—	DET.		PRE-ENGINEERED	—	PEMB	
DEAD LOAD	—	DL		METAL BUILDING	—	PREFAB	
DEFORMED BAR ANCHOR	—	D.B.A.		PREFABRICATED	—	PREFAB	
DIAGONAL	—	DIAG.		PRELIMINARY	—	PRELIM.	
DIAMETER	—	DIA.		PROJECTION	—	PROJ.	
DIMENSION(S)	—	DIM(S)					
DOVETAIL	—	DVTL.		R			
DOWNSPOUT	—	DS.		RADIUS	—	R	
DRAWING(S)	—	DWG(S)		REINFORCED CONCRETE PIPE	—	RCP	
DOUBLE	—	DBL.		REINFORCE(ING) (ED) (MENT)	—	REINF.	
DOWEL(S)	—	DWL(S)		REMAINDER	—	REM. OR R	
E				S			
EACH	—	EA.		REQUIRE	—	REQ.	
EACH FACE	—	E.F.		RETENTION SYSTEM	—	RET. SYS.	
EACH WAY	—	E.W.		REQUIRED	—	REQD.	
EDGE ANGLE OFFSET	—	E.A.O.		RISER	—	RIS.	
ELECTRICAL	—	ELEC.		ROOF	—	RF.	
ELEVATION	—	EL.		ROOF DRAIN	—	R.D.	
ELEVATOR	—	ELEV.		ROOF OPENING	—	RF. OPNG.	
ENGINEER	—	ENGR.		ROUND	—	RND.	
ENTRANCE	—	ENT.					
EQUAL	—	EQ.		S			
EQUIPMENT	—	EQUIP.		SCHEDULE(D)	—	SCHED.	
EXPANSION	—	EXP.		SECTION	—	SECT.	
EXPANSION JOINT	—	E.J.		SHEAR	—	V	
EXISTING	—	EXIST.		SHEET	—	SH.	
EXTERIOR	—	EXT.		SIDEWALK	—	SW.	
EXTRA STRONG	—	X-STR.		SIMILAR	—	SM.	
F				T			
FACE TO FACE	—	F. TO F.		SPACE	—	SPA.	
FABRICATOR	—	FABR.		SPECIFICATION(S)	—	SPEC(S)	
FAR SIDE	—	F.S.		SPECIFIED	—	SPEC'D.	
FIELD VERIFY	—	(F.V.)		SQUARE FOOT (FEET)	—	S.F.	
FINISHED	—	FIN.		STANDARD	—	STD.	
FINISHED FLOOR	—	FIN. FL.		STEEL	—	STL.	
FIREPROOF(ING)	—	FP.		STIFFENER	—	STIFF.	
FLANGE	—	FLG.		STRAIGHT	—	STR.	
FLOOR	—	FL.		STRUTS	—	STR.	
FLOOR DRAIN	—	F.D.		STRUCTURE	—	STRUCT.	
FOUNDATION	—	FDN.		STRUCTURAL	—	STRUCTL.	
				SYMMETRICAL	—	SYM.	
				SUBCONTRACTOR	—	SUBCONTR.	
				SUPPORT(S)	—	SUPPT(S)	
G				T			
GAGE OR GAUGE	—	GA.		TAPERED BEAM	—	T.B.	
GALVANIZED	—	GALV.		TEMPERATURE	—	TEMP.	
GALVANIZED IRON	—	G.I.		TENSION	—	T.	
GALVANIZED STEEL	—	G.S.		TERRAZZO	—	TERR.	
GENERAL CONTRACTOR	—	G.C.		THICK	—	THK.	
				TONGUE & GROOVE	—	T & G	
GOVERNMENT	—	GEN. CONTR.		TOP AND BOTTOM	—	T & B	
GRADE	—	GR.		TOP OF	—	T.O.	
GRADE BEAM	—	GR. BM.		TOP OF BEAM	—	T.O.B.	
H				T.O.F.			
HEADED STUDS	—	H.S.		TOP OF PIER	—	T.O.P.	
HEIGHT	—	HT.		TOP OF PIER CAP	—	T.O.P.C.	
HIGH POINT	—	H.P.		TOP OF RETAINING WALL	—	T.R.W.	
HOLLOW STRUCTURAL SHAPE	—	HSS		TOP OF STEEL	—	T.O.S.	
HORIZONTAL	—	HORIZ.		TOP OF STRUCTURAL CONCRETE	—	T.O.S.C.	
HOOK	—	HK.		TOP OF WALL	—	T.O.W.	
				TREAD	—	TR.	
				TUBE STEEL	—	TS	
				TYPICAL	—	TYP.	
I				U			
INFORMATION	—	INFO.		UNLESS NOTED OTHERWISE	—	U.N.O.	
INSIDE DIAMETER	—	I.D.					
INSIDE FACE	—	I.F.		VERTICAL	—	VERT.	
INTERIOR	—	INT.					
INTERMEDIATE	—	INTERM.					
J				W			
JOINT(S)	—	JT(S).		WATERSTOP	—	WS.	
JOIST(S)	—	JST(S).		WATERPROOFING	—	W.P.F.G.	
K				W.W.M.			
				WELDED WIRE MESH	—	W.W.M.	
				WIND BRACE	—	WB	
				WIND LOAD	—	WL	
				WINDOW	—	WDW.	
				WITH	—	W.	
				WORK POINT	—	W.P.	
				WOOD	—	WD.	
				WROUGHT IRON	—	W.I.	

TYPICAL SYMBOLS LEGEND

WB-1 INDICATES WIND BRACE - SEE WIND BRACE ELEVATIONS.

TRUSS INDICATES TRUSS - SEE TRUSS ELEVATIONS.

INDICATES MOMENT CONNECTION - SEE MOMENT CONNECTION DETAILS.

INDICATES STEEL BEAM SPICE - SEE STRUCTURAL STEEL SIMPLE BEAM CONNECTION DETAILS SBX-1.

INDICATES STRUCTURE OVER VOID - SEE EXPENSIVE CLAY SOIL DETAILS CES-1.

INDICATES THAT COLUMN STARTS UPWARD FROM THIS LEVEL.

INDICATES THAT COLUMN STOPS AT THIS LEVEL.

STRUCTURAL SYMBOLS

THE FOLLOWING SYMBOLS ARE USED TO REPRESENT THE MATERIALS SHOWN ON THE STRUCTURAL DRAWINGS. SEE SPECIFICATIONS AND GENERAL NOTES FOR MATERIAL QUALITIES REQUIRED.

A.F.S. ARCHITECTURAL FINISHED SURFACE

CAST-IN-PLACE CONCRETE

CAST-IN-PLACE CONCRETE CUT IN PLAN

STRUCTURAL PRECAST CONCRETE

SAND GRAVEL, OR LOW P.I. FILL

EARTH

ROCK

ARCHITECTURAL PRECAST CONCRETE

NON-SHRINK GROUT

SAND CEMENT GROUT

STYROFOAM

EXISTING

C.M.U.

BRICK

STRUCTURAL STEEL

WOOD (CONTINUOUS)

WOOD (NON-CONTINUOUS)

PLYWOOD

GLUE LAMINATED LUMBER (GLU-LAM)

MICRO LAMINATED LUMBER (MICRO-LAM)

ROOF TOP MECHANICAL UNIT ON PLAN

BEAM BOTTOM CHORD BRACING ON PLAN

TYPICAL PLAN NOTES:

1. SEE ARCHITECTURAL DRAWINGS FOR ACTUAL SEA LEVEL ELEVATION RELATED TO DATUM ELEVATION = 100'-0" SHOWN ON DRAWINGS.

• SEE PLAN FOR TOP OF STRUCTURAL CONCRETE (T.O.S.C.) ELEVATION.
• T.O.S. EL. = BOTTOM OF METAL DECK ELEVATION SEE PLAN FOR TOP OF STEEL (T.O.S.) ELEVATION.
• T.O. WOOD EL. = TOP OF PLYWOOD DECK / TONGUE & GROOVE DECK ELEVATION. SEE PLAN FOR TOP OF WOOD ELEVATION.

2. SHEET INDEX
THE DETAILS IN THE DRAWINGS, INCLUDING THOSE DRAWINGS REFERENCED BY THIS INDEX, WHICH ARE DESIGNATED AS "TYPICAL DETAILS" APPLY GENERALLY TO THE CONSTRUCTION IN ALL AREAS WHERE THE CONDITIONS ARE SIMILAR TO THOSE DESCRIBED IN THE DETAILS. REGARDLESS OF WHETHER OR NOT THE DETAILS ARE SPECIFICALLY REFERENCED IN THE DRAWINGS.

SHEET LIST (Current Revision)				
SHT. NO.	SHEET NAME	ISSUE DATE	Current Revision	

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CONCRETE MIX

1. PROVIDE CONCRETE HAVING THE FOLLOWING GENERAL CHARACTERISTICS:

- | CLASS | 28 DAY STRENGTH (PSI) | SUMP (IN) | AGG. TYPE | MAX. SIZE (IN.) | USAGE |
|-------|-----------------------|-----------|-----------|-----------------|--|
| B | 3000 | 3-5 | HDRK | 1 | GRADE BEAMS, SLABS-ON-GRADE, FOOTINGS |
| C | 4000 | 3-5 | HDRK | 1 | FORMED SLABS, BEAMS, WALLS, COLUMNS, SLABS-ON-VOID BOXES |
2. IN ADDITION TO THE CONCRETE PROPERTIES SCHEDULED ABOVE, THE WATER/CEMENTITIOUS MATERIALS (W/C) RATIO FOR THE FOLLOWING CONCRETE APPLICATIONS SHALL BE LIMITED TO THE MAXIMUM VALUES NOTED:
- a. SLABS ON GRADE: 0.50 (SEE NOTE 3)
 - b. SLABS ON VOID BOXES 0.50 (SEE NOTE 3)
3. MAXIMUM WATER/CEMENT RATIO FOR CONCRETE SLABS-ON-GRADE AND SLABS-ON-VOID BOXES SHALL BE AS SCHEDULED IN NOTE 3 ABOVE. CONTRACTOR SHALL USE LOWER WATER/CEMENT RATIO IF IT IS DETERMINED THAT THIS IS NEEDED TO PLACE FLOORING AS SCHEDULED.
4. WORKABILITY ADMIXTURES, PROVIDED THAT BATCH PROPORTIONS ARE DETERMINED AND SUBMITTED IN THE MANNER DESCRIBED IN THE SPECIFICATIONS. WHEN A WORKABILITY ADMIXTURE IS USED, SUMP SHALL CONFORM TO THE REQUIREMENTS OF THE ACCEPTED MIX DESIGN, WHICH SHALL NOT EXCEED 3 INCHES (WITH A TOLERANCE OF +0 AND -2.5 INCHES) AT TIME OF DISCHARGE.
5. SUMP LIMITS APPLY AT THE TRUCK AT THE TIME OF DISCHARGE EXCEPT THAT PUMPED CONCRETE SHALL BE SAMPLED AT THE DISCHARGE END OF THE HOSE.
6. FLY ASH WILL NOT BE PERMITTED IN ARCHITECTURALLY EXPOSED CONCRETE. FLY ASH MAY BE USED ELSEWHERE, WITHIN THE SPECIFIED PROPORTION LIMITS, BUT THE CONTRACTOR SHALL FIRST VERIFY COMPATIBILITY WITH CURING COMPOUNDS, SEALERS, BOND BREAKER, FLOORING ADHESIVES AND OTHER MATERIALS PROPOSED TO BE IN CONTACT WITH THE CONCRETE.
7. USE OF ACCELERATING OR SET-RETARDING ADMIXTURES REQUIRES PRIOR APPROVAL OF THE ARCHITECT. IN GENERAL, USE OF CALCIUM CHLORIDE WILL NOT BE PERMITTED.
- CEMENT SHALL BE TYPE I OR TYPE II (ASTM C 150).

CONCRETE REINFORCING

1. REINFORCING STEEL SHALL BE NEW OR RECYCLED DOMESTIC DEFORMED BILLET STEEL, CONFORMING TO ASTM A 615, GRADE 60.
2. REINFORCING STEEL SHOWN IN SECTIONS OF BEAMS, WALLS AND COLUMNS IS SCHEMATIC INDICATION THAT REINFORCING EXISTS. SEE SCHEDULES, SECTION NOTES, AND GENERAL NOTES FOR ACTUAL REINFORCING REQUIRED.
3. REFER TO DOWEL SCHEDULE, SHEET 3.00 FOR ALL BARS MARKED "DWL" ON THE DRAWINGS.
4. DETAIL REINFORCING BARS AND PROVIDE BAR SUPPORTS AND SPACERS IN ACCORDANCE WITH THE ACI DETAILING MANUAL.
5. WHERE BAR TYPES FROM THE BAR BENDING DIAGRAM ARE SPECIFIED, PROVIDE BARS ACCORDINGLY. OTHERWISE, DETAIL BARS IN BEAMS, COLUMNS, SLABS, AND WALLS AS FOLLOWS:
- A. RUN TOP AND BOTTOM BARS CONTINUOUS, WITH SPLICES AND HOOKS AS DESCRIBED BELOW.
 - B. PROVIDE STANDARD 90 DEGREE HOOK ON TOP BARS AT CANTILEVER ENDS.
 - C. SPLICE TOP AND INTERMEDIATE BARS AT THE CENTER LINE BETWEEN MEMBER SUPPORTS, UNLESS NOTED OTHERWISE.
 - D. SPLICE BOTTOM BARS DIRECTLY OVER MEMBER SUPPORTS, UNLESS NOTED OTHERWISE.
 - E. SPLICE VERTICAL BARS IN WALLS ONLY AT FLOOR LINES, UNLESS NOTED OTHERWISE. HORIZONTAL BARS SHALL BE SPLICED AS SPECIFIED FOR TOP, BOTTOM, AND INTERMEDIATE BARS OF BEAMS.
 - F. CENTER BARS NOTED AS "AT SUPTS." OVER MEMBER SUPPORTS, AND CENTER BARS NOTED AS "BTWN. SUPT'S." BETWEEN SUPPORTS.
 - G. PLACE BARS NOTED AS "2ND LAYER" BELOW THE PRIMARY TOP BARS (OR ABOVE THE PRIMARY BOTTOM BARS) AND PROVIDE #1 SPACER BARS PLACED AT INTERVALS OF 4'-0" BETWEEN THE TWO LAYERS OF BARS.
 - H. ALL BAR SPLICES IN BEAMS, SLABS, AND WALLS (OTHER THAN CORE WALLS AND BASEMENT WALLS) SHALL BE 30 BAR DIAMETERS, EXCEPT THAT SPLICES IN HORIZONTAL WALL BARS AND INTERMEDIATE BEAM BARS SHALL BE 60 BAR DIAMETERS.
 - I. PROVIDE CORNER BARS FOR EACH HORIZONTAL BAR AT THE INSIDE AND OUTSIDE FACES OF INTERSECTING BEAMS OR WALLS. REFER TO CORNER BAR DETAILS ON SHEET 3.00.
6. BARS SHOWN IN THE SCHEDULE TO HOOK AT DISCONTINUOUS ENDS SHALL HAVE THE HOOK PLACED HORIZONTALLY AT EXTERIOR CORNERS.
7. PROVIDE NO. 3 DOWELS X 2'-0" AT 1'-0" ON CENTER, WITH A 90 DEGREE HOOK AT ALL EDGES OF CONCRETE SLABS, UNLESS DETAILED OTHERWISE.
8. PROVIDE FOUNDATION DOWELS TO MATCH MASONRY WALL REINFORCEMENT. DOWELS SHALL EXTEND A MINIMUM OF 60 BAR DIAMETERS ABOVE AND 30 BAR DIAMETERS BELOW TOP OF FOUNDATION.
9. CONCRETE COVER FOR REINFORCING STEEL SHALL BE AS FOLLOWS, MEASURED TO NEAREST BAR, STIRRUP OR TIE:
- A. AT SLABS-ON-GRADE, BEAM AND WALL SURFACES DEPOSITED AGAINST THE GROUND (WITH OR WITHOUT VAPOR RETARDER): 3".
 - B. AT FORMED FACES OF BEAMS, COLUMNS AND WALLS EXPOSED TO RAIN OR IN CONTACT WITH THE GROUND: 2".
 - C. AT FORMED FACES OF BEAMS NOT EXPOSED TO RAIN OR SOL: 1 1/2".
 - D. AT INTERIOR AND PROTECTED EXTERIOR FACES OF WALLS: 1".
 - E. AT BEAM AND SLAB BOTTOMS FORMED WITH FIBERBOARD VOID BOXES: 2".
 - F. FORMED SURFACES OF SLABS: 2".
 - G. INTERIOR EXPOSURE: 1".
 - H. #5 BAR AND SMALLER, EXPOSED TO WEATHER: 1 1/2".
 - I. #6 BAR AND LARGER, EXPOSED TO WEATHER: 2".
 - L. TOP STEEL IN SLABS AND JOISTS: 1".
 - M. INTERIOR EXPOSURE: 2".
 - N. TOP STEEL IN BEAMS: 2".
 - O. INTERIOR EXPOSURE: 1 1/2".
 - P. EXPOSED TO WEATHER: 2".
10. MAINTAIN THE SPECIFIED COVER DIMENSION WITHIN A TOLERANCE OF PLUS OR MINUS 3/8" EXCEPT FOR SLABS-ON-GRADE AND SOL-FORMED MEMBERS, WHERE 5/8" TOLERANCE IS PERMITTED. EXTRA COVER WEAKENS THE MEMBER AND REDUCED COVER LEADS TO CORROSION.
11. PROVIDE 1.0 TONS OF ADDITIONAL REINFORCING STEEL (#3 BARS AND LARGER) TO BE USED IN THE FIELD AS DIRECTED BY THE ARCHITECT/ENGINEER. LABOR FOR BENDING, CUTTING, BENDING, AND PLACEMENT SHALL BE INCLUDED. ANY UNUSED PORTION OF THIS QUANTITY SHALL BE CREDITED TO THE OWNER AT THE RATE OF \$3.00 PER TON.

CAST-IN-PLACE CONCRETE

1. CONSTRUCTION JOINTS IN BEAMS, SLABS AND WALLS SHALL ONLY OCCUR WITHIN 2'-0" OF MIDSPAN BETWEEN SUPPORTS. CONSTRUCTION JOINTS IN SOL-SUPPORTED SLABS-ON-GRADE SHALL BE WHERE SHOWN ON PLAN. SEE NOTES ON TYPICAL SLAB-ON-GRADE DETAIL FOR LOCATING SLAB JOINTS. COLUMN PLASTERS ON THE SIDES OF GRADE BEAMS AND WALLS SHALL BE CAST WITH THE GRADE BEAM OR WALL UNLESS SHOWN OTHERWISE. SUBMIT A DIAGRAM OF ALL PROPOSED CONSTRUCTION JOINTS WHICH ARE NOT SPECIFICALLY SHOWN ON THESE DRAWINGS (REFER TO SPECIFICATIONS).
2. SLEEVES, MECHANICAL OPENINGS, CONDUITS, PIPES, RECESSES, DEPRESSIONS, CURBS AND ALL EMBEDDED ITEMS SHALL BE PROVIDED FOR AS SHOWN ON THE ARCHITECTURAL AND MECHANICAL DRAWINGS AND AS REQUIRED BY EQUIPMENT MANUFACTURERS. MINIMUM CONCRETE BETWEEN SLEEVES SHALL BE 6". INSTALLATION OF THESE ITEMS SHALL BE COORDINATED WITH SHOP DRAWINGS OF TRADES REQUIRING THESE ITEMS.
3. SET FORMS TO FOLLOW SLOPES AND GRADES DEFINED ON PLAN, KEEPING MEMBER DEPTHS CONSTANT AT DEPTHS DETAILED OR SCHEDULED, UNLESS NOTED OTHERWISE. SLOPE UNIFORMLY BETWEEN ELEVATIONS GIVEN. BUILD IN CAMBER WHERE SPECIFIED.
4. ALL CONDUITS AND PIPES EMBEDDED IN CONCRETE SHALL COMPLY WITH ALL PROVISIONS SPECIFIED IN ACI 318, SECTION 6.3, WITH THE FOLLOWING SPECIFIC REQUIREMENTS:
- A. THE MAXIMUM OUTSIDE DIAMETER OF THE CONDUITS AND PIPES SHALL BE 1 1/2". NONE PERMITTED IN SLABS THINNER THAN 4 1/2".
 - B. THE MINIMUM CLEAR DISTANCE BETWEEN CONDUITS AND PIPES SHALL BE 6".
 - C. AT FORMED SLABS, LOCATE IN MIDDLE THIRD OF SLAB THICKNESS BETWEEN THE TOP AND BOTTOM MAT OF REINFORCING. AT BEAMS, LOCATE INSIDE BEAM STIRRUP. IN JOISTS, LOCATE AT CENTER LINE, AT LEAST 6" FROM BOTTOM.
 - D. NONE PERMITTED IN SLABS-ON-GRADE WHICH WILL BE PERMANENTLY EXPOSED OR SCHEDULED TO RECEIVE THIN SETTLER. PLACE ALL PIPES AND CONDUITS IN THE FILL BENEATH THE VAPOR RETARDER. RECOMPACT AS SPECIFIED.
 - E. IN NON-EXPOSED SLABS-ON-GRADE, LIMIT SIZE TO 1" O.D. IN 5" SLAB AND 1 1/4" O.D. IN 6" SLAB. SPACE 12" APART AND TIE TO UNDERSIDE OF REINFORCING MAT. WHERE LINES CONVERGE AT A SOURCE, DOUBLE UP THE SLAB REINFORCING IN THE CONVERGENCE ZONE AND 3'-0" BEYOND. PLACE ALL LARGER LINES IN THE FILL BENEATH THE VAPOR RETARDER.
 - F. DO NOT DISPLACE REINFORCING STEEL FROM ITS PROPER POSITION.
5. SLEEVES OR PIPES PASSING HORIZONTALLY THROUGH BEAMS OR JOISTS MUST BE LOCATED IN THE MIDDLE THIRD OF THE SPAN AND WITHIN THE MIDDLE THIRD OF THE BEAM DEPTH. MAXIMUM DIAMETER SHALL BE ONE THIRD OF THE MEMBER DEPTH. SPACE AT LEAST 3 DIAMETERS CLEAR APART AND ADD ONE STIRRUP EACH SIDE OF EACH SLEEVE.
6. PROVIDE SHEAR KEYS IN ALL CONSTRUCTION JOINTS IN BEAMS AND WALLS, IN ACCORDANCE WITH THE TYPICAL CONCRETE DETAILS.
7. TOP SURFACES OF CONCRETE BEAMS WHICH SUPPORT PRECAST CONCRETE MEMBERS SHALL RECEIVE A TROWELED SMOOTH FINISH AND SHALL BE STRAIGHT, TRUE AND LEVEL.
8. PLACE WATERSTOPS IN ALL EXTERIOR CONSTRUCTION JOINTS BELOW GRADE AND ELSEWHERE AS CALLED FOR.
9. WHERE GRADE BEAMS ARE TRENCH FORMED, THE TOP OF THE EXTERIOR FACE SHALL BE WOOD FORMED TO AT LEAST 1'-0" BELOW EXTERIOR FINISHED GRADE LEVEL.
10. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO ENSURE COMPLETE CONSOLIDATION OF CONCRETE BEHIND ALL POST-TENSIONING ANCHORAGES.
11. GROUT OR CONCRETE CONTAINING CHLORIDES, FLUORIDES, SULFIDES, NITRATES, OR OTHER SUBSTANCES DETRIMENTAL TO PRESTRESSING STEEL SHALL NOT BE USED.

CONCRETE FOOTINGS

1. THE FOUNDATION IS BASED ON THE SOL REPORT PREPARED BY RABA KISTNER, REPORT NO ASA23-085-00, DATED JANUARY 25, 2024.
2. THE SPREAD FOOTINGS ARE DESIGNED FOR AN ALLOWABLE NET SOL PRESSURE OF 2,500 PSF PSF.
3. THE FOOTING EXCAVATIONS SHALL BE MADE TO NEAT LINES AND SHALL BE FREE OF LOOSE OR WET MATERIALS. CONCRETE SHALL BE PLACED DIRECTLY AGAINST THE SOL WITHOUT FORMING.
4. ALL FOOTINGS SHALL BE INSPECTED BY THE SOL ENGINEER, PRIOR TO PLACING CONCRETE, IN ORDER TO ASSURE THAT THE BEARING SURFACES ARE CONSISTENT WITH DESIGN RECOMMENDATIONS.
5. WHERE SOFT AREAS ARE ENCOUNTERED, THE AREA SHALL BE UNDERCUT AS REQUIRED AND REPLACED WITH COMPACTED FILL OR CONCRETE. THE FILL SHALL BE PLACED IN LAYERS NOT TO EXCEED 1'-0" AND SHALL BE COMPACTED TO A MINIMUM OF 95 PERCENT OF MAXIMUM DENSITY, AS DETERMINED BY THE STANDARD PROCTOR MOISTURE - DENSITY TEST, ASTM D 698.
6. FOOTING EXCAVATIONS SHALL NOT BE PERMITTED TO STAND OPEN LONGER THAN 48 HOURS BEFORE PLACING CONCRETE.
7. UTILITY TRENCHES AND OTHER EXCAVATIONS IN THE VICINITY OF STRUCTURAL FOOTINGS SHALL NOT BE PERMITTED TO EXTEND DEEPER THAN THE BOTTOM OF ANY ADJACENT FOOTING. MAINTAIN A CLEAR SEPARATION OF 2'-0" FOR EACH 1'-0" OF ADDITIONAL DEPTH NEEDED, MEASURED FROM THE BOTTOM EDGE OF ANY NEARBY FOOTING. FOOTINGS SHALL NOT BE DEEPENED WITHOUT SUCH WRITTEN DIRECTION FROM THE ARCHITECT.

STRUCTURAL STEEL

1. COORDINATION OF THE ROOF STRUCTURE AND THE ARCHITECTURAL SECTIONS AND ELEVATIONS IS CRITICAL TO PROPER STRUCTURAL STEEL FABRICATION. ELEVATIONS OF TOP OF STRUCTURAL STEEL ARE SHOWN ON THE ARCHITECTURAL PLANS AND SECTIONS. REFER TO THESE SECTIONS AND DETAILS TO SET THE STEEL ELEVATIONS AND TO UNDERSTAND THE ARCHITECTURAL INTENT.
2. **TOLERANCE REQUIREMENTS:** STRUCTURAL DRAWINGS INDICATE MISCELLANEOUS STEEL ELEMENTS SUCH AS SHELF ANGLES, LINTELS, SUPPORT MEMBERS FOR CURTAIN WALLS OR MASONRY, AND EDGE ANGLES FOR OPENINGS AND PERIMETER CONDITIONS WHICH ARE INTENDED TO SUPPORT OR BE COORDINATED WITH MATERIALS FURNISHED BY OTHER TRADES. IT IS THE INTENT OF THESE DRAWINGS THAT THESE ELEMENTS BE FIELD ATTACHED BY FIELD WELDING OR BOLTING TO MEET THE TOLERANCES REQUIRED BY OTHER TRADES, WHICH MAY BE MORE STRINGENT THAN A.I.S.C. TOLERANCES FOR STRUCTURAL STEEL. CONTRACTOR SHALL COORDINATE TRADES AND FIELD INSTALL MISCELLANEOUS STEEL ELEMENTS AND THE STRUCTURAL STEEL FRAME TO COMPLY WITH THE TOLERANCE CRITERIA FOR PROPER INSTALLATION OF MATERIALS BY OTHER TRADES.
3. STRUCTURAL STEEL MATERIAL SHALL CONFORM TO THE FOLLOWING DESIGNATIONS:
- | WIDE FLANGE (W) SHAPES AND TEES | A 992 (50 KSI YIELD) |
|---------------------------------------|--|
| OTHER ROLLED SHAPES, PLATES AND RODS | A 36 (36 KSI YIELD) |
| HOLLOW STRUCTURAL SHAPES (HSS OR THS) | A 503, GRADE B OR GRADE C (42 KSI YIELD ROUND/46 KSI YIELD SQUARE) |
| PIPE | A 53, GRADE B (35 KSI YIELD) |
| BOLTS FOR CONNECTIONS | A 325N |
| ANCHOR BOLTS (ANCHOR RODS) | F 1554 (36 KSI YIELD) |
4. PREDESIGNED BEAM CONNECTION DETAILS ARE SHOWN ON SHEET _____. OTHER TYPICAL CONNECTIONS ARE SHOWN IN TYPICAL DETAILS. CONNECTIONS WHICH ARE NOT SPECIFICALLY DETAILED SHALL BE DESIGNED BY THE FABRICATOR IN ACCORDANCE WITH THE CONNECTION NOTES AND SPECIFICATIONS.
5. ALL MOMENT CONNECTIONS SHALL BE FULL WELDED CONNECTIONS DESIGNED TO DEVELOP THE FULL CROSS-SECTION OF THE MEMBER. STIFFENER PLATES, WHERE SHOWN, ARE MANDATORY AND MAY NOT BE OMITTED. MOMENT CONNECTIONS ARE INDICATED ON THE PLANS BY A TRIANGULAR BULB ON THE END OF THE BEAM, OR BY THE LETTERS "MC".
6. CANTILEVER BEAMS MOMENT CONNECTED TO THE FRAME SHALL BE THE SAME SIZE AS THE BACK-UP SPAN IF NO SIZE IS GIVEN.
7. ALL BOLTS SHALL BE TIGHTENED TO A "SNUG TIGHT" CONDITION.
8. ALL BOLTS IN BEAM, GIRDER, COLUMN AND BRACE CONNECTIONS SHALL BE FULLY TENSIONED. ALL OTHER BOLTS MAY BE TIGHTENED TO ONLY A "SNUG TIGHT" CONDITION.
9. BACK TO BACK CHANNELS OR DOUBLE ANGLES ACTING AS COMPRESSION MEMBERS SHALL BE CONNECTED TO EACH OTHER AT THIRD POINTS ALONG THE LENGTH BY WELDING IN SPACER PLATES OF EQUAL THICKNESS TO THE GUSSET PLATES. UNEQUAL LEG ANGLES SHALL BE ORIENTED LONG LEG DOWN UNLESS NOTED OTHERWISE.
10. TEMPORARY CONSTRUCTION BRACING OF STRUCTURAL STEEL FRAME SHALL REMAIN IN PLACE UNTIL AFTER ALL PERMANENT BRACING COMPONENTS HAVE BEEN COMPLETED. THE LATERAL LOAD-RESISTING SYSTEM OF THE BUILDING INCLUDES MOMENT-CONNECTED RIGID FRAMES, DESIGNATED WIND BRACES, CONCRETE SHEAR WALLS, REINFORCED MASONRY SHEAR WALLS, AND CONNECTING DIAPHRAGM ELEMENTS. THE METAL ROOF DECK AND COMPLETED CONCRETE FILL ON METAL FLOOR DECK ARE ESSENTIAL DIAPHRAGM COMPONENTS OF THE PERMANENT BRACING SYSTEM.
11. WHERE WIND SHAPES ARE USED AS ROOF PURLINS, PROVIDE BOTTOM FLANGE BRACING PER DETAIL SEL-40 AT MIDSPAN, MINIMUM, UNLESS OTHERWISE INDICATED ON PLANS.
12. WIND BRACES IN THE VERTICAL PLANE ARE DENOTED BY "WB" ON THE PLAN. SEE WIND BRACE DETAILS FOR CONFIGURATIONS.
13. STEEL ANGLES AND OTHER SHAPES THAT DEFINE THE EDGE OF THE FLOOR OR ROOF AND ARE SHOWN TO BE WELDED TO SUPPORTING BEAMS, SHALL BE FIELD WELDED, NOT SHOP WELDED, SO THAT THEIR POSITION CAN BE ADJUSTED TO CORRECT FOR FABRICATION AND ERECTION TOLERANCES OF THOSE SUPPORTING BEAMS AND PROVIDE AN EDGE THAT IS CONSISTENT WITH THE REQUIREMENTS OF THE FINISHES THAT IT SUPPORTS AND/OR ACCOMMODATES.
14. SHELF ANGLES SHOWN AS CONTINUOUS IN THE SECTIONS SHALL BE INSTALLED IN 20'-0" MAXIMUM LENGTHS, LEAVING A 1/4" GAP BETWEEN ENDS AND AT CORNERS. LOCATE GAPS TO MATCH MASONRY CONTROL JOINTS. AT BUILDING EXPANSION JOINT, LEAVE A GAP TO MATCH EXPANSION JOINT WIDTH.
15. CONNECT MISCELLANEOUS STEEL MEMBERS USING FILLET WELDS SUFFICIENT TO DEVELOP THE TENSILE STRENGTH OF THE SMALLER MEMBER AT THE JOINT UNLESS SHOWN OTHERWISE.
16. ALL STEEL SHALL BE FURNISHED WITH SHOP COAT OF RUST INHIBITIVE PRIMER.
17. WHERE ANGLES ARE NOTED TO BE CONTINUOUS, PROVIDE FULL BUTT WELD AT SPLICES.
18. WHERE TWO OR MORE PIECES ARE TO BE WELDED TOGETHER AND THEN NOT DEEP GALVANIZED, THE SPECIFIED WELD CONNECTING THE PIECES SHALL BE CONTINUOUS ALONG THE ENTIRE LENGTH OF THE INTERFACE (SEAL WELDED).
19. PROVIDE ____ TONS OF ADDITIONAL STRUCTURAL STEEL TO BE USED IN THE FIELD AS DIRECTED BY THE ARCHITECT/ENGINEER. LABOR FOR DETAILING, FABRICATION, AND ERECTION SHALL BE INCLUDED. ANY UNUSED PORTION OF THIS QUANTITY SHALL BE CREDITED TO THE OWNER AT THE RATE OF \$_____/ (1000) PER TON.

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10/26/2023	50% CONSTRUCTION DOCUMENTS
06/19/2024	ISSUE FOR CONSTRUCTION

Project Name

ALAMO SITE - AREA 2C - PROMENADE

Project Number

122.0076.000

Description

GENERAL NOTES

Scale

1/8" = 1'-0"

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1 PROMONADE SITE PLAN NORTH
3/32" = 1'-0"

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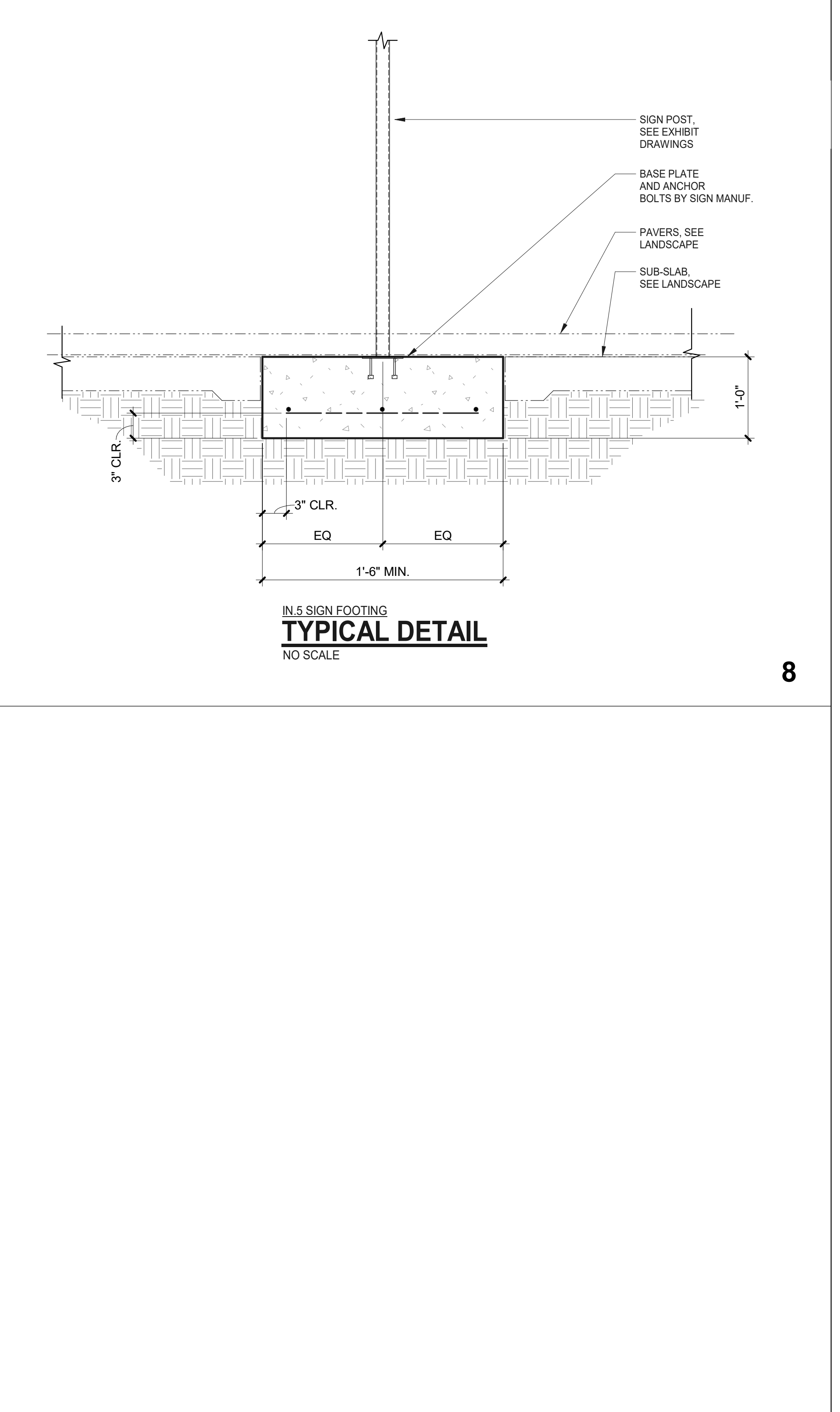
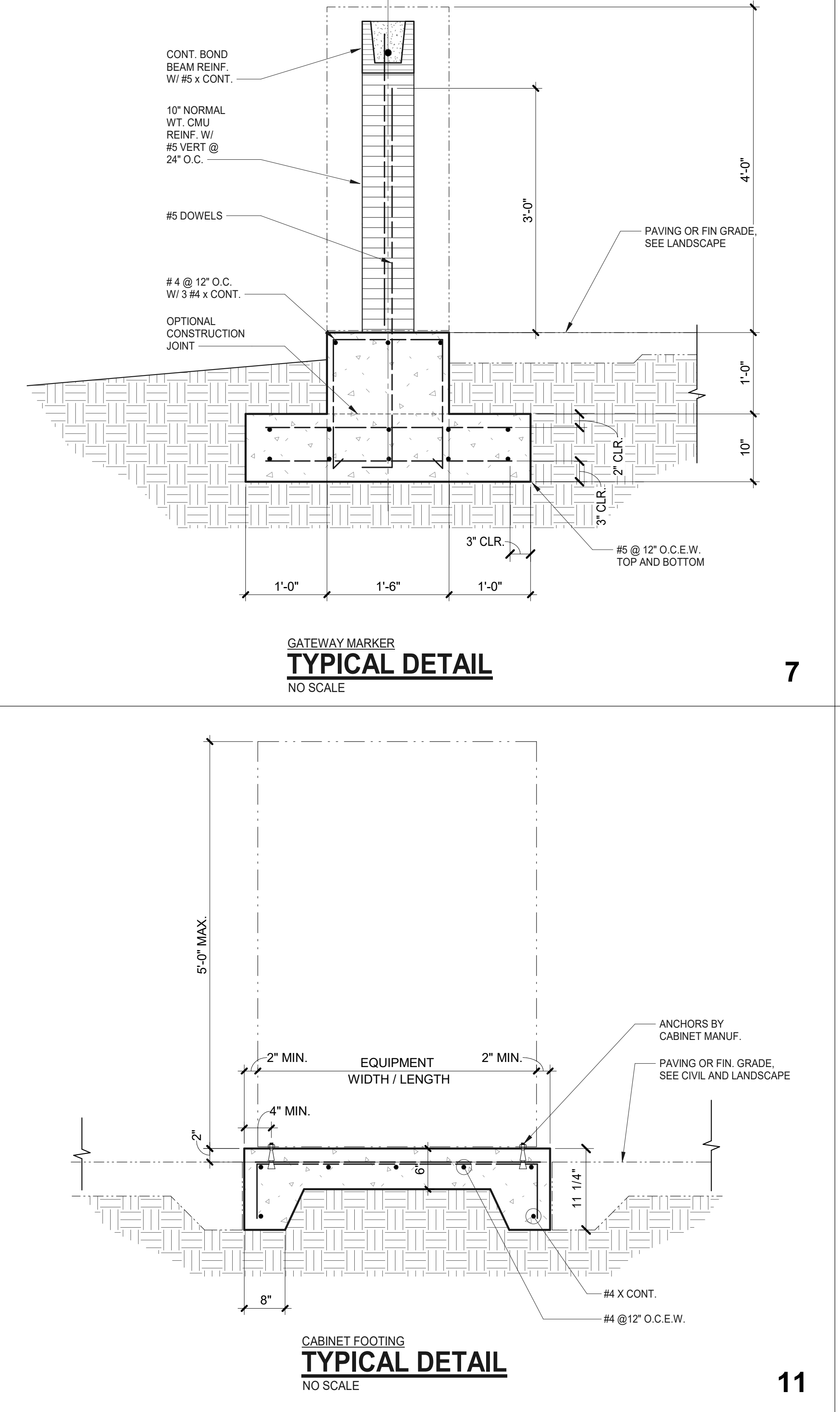
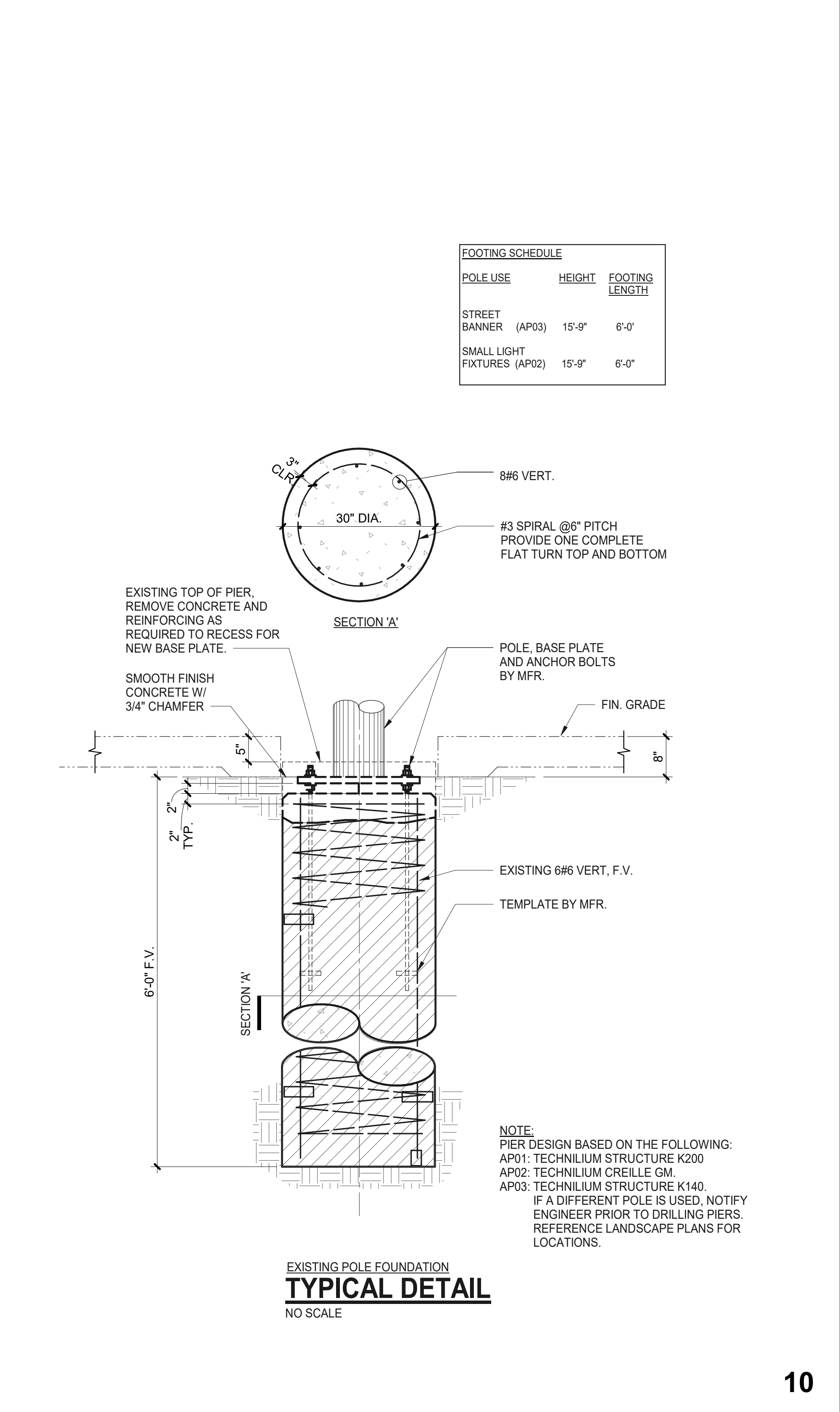
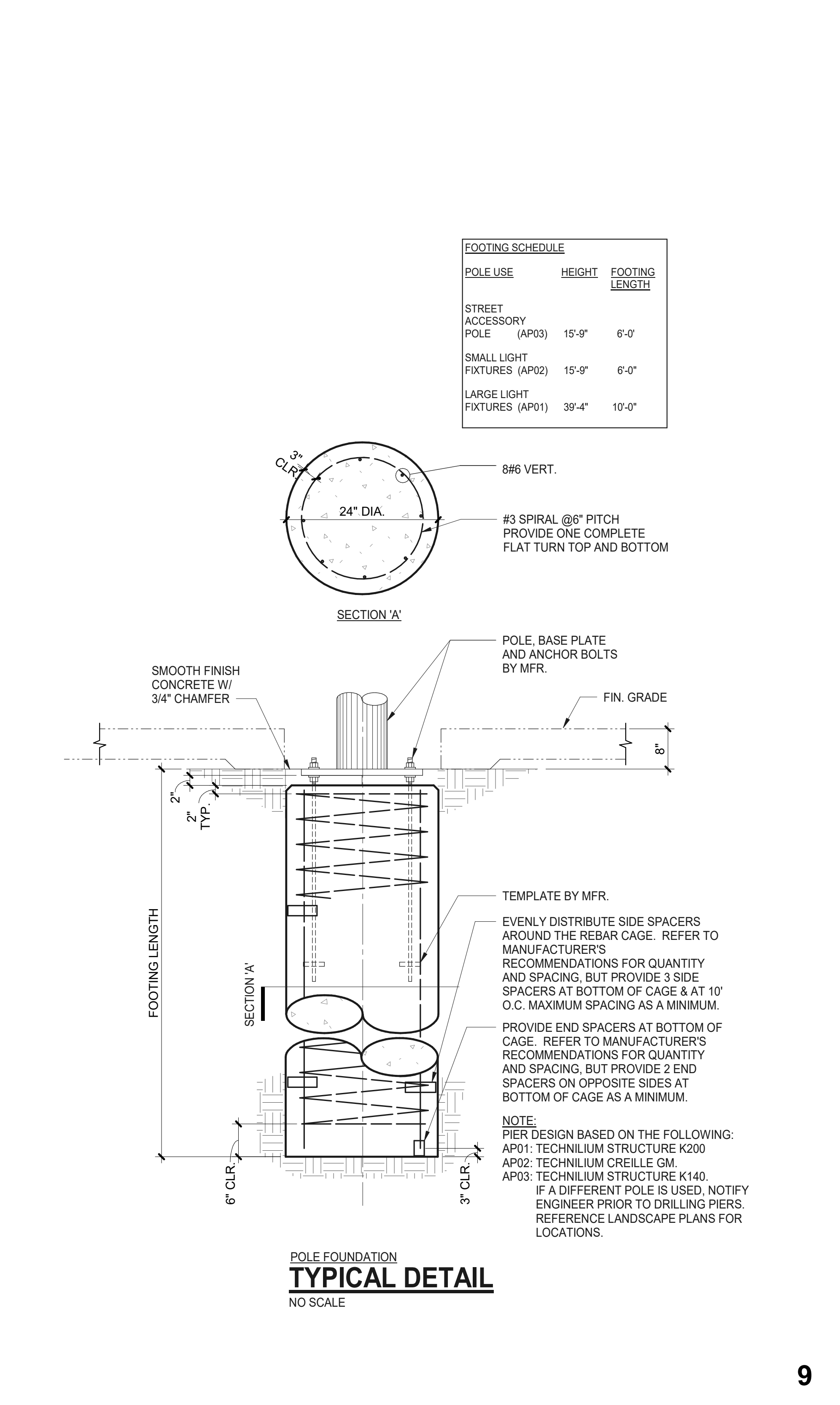
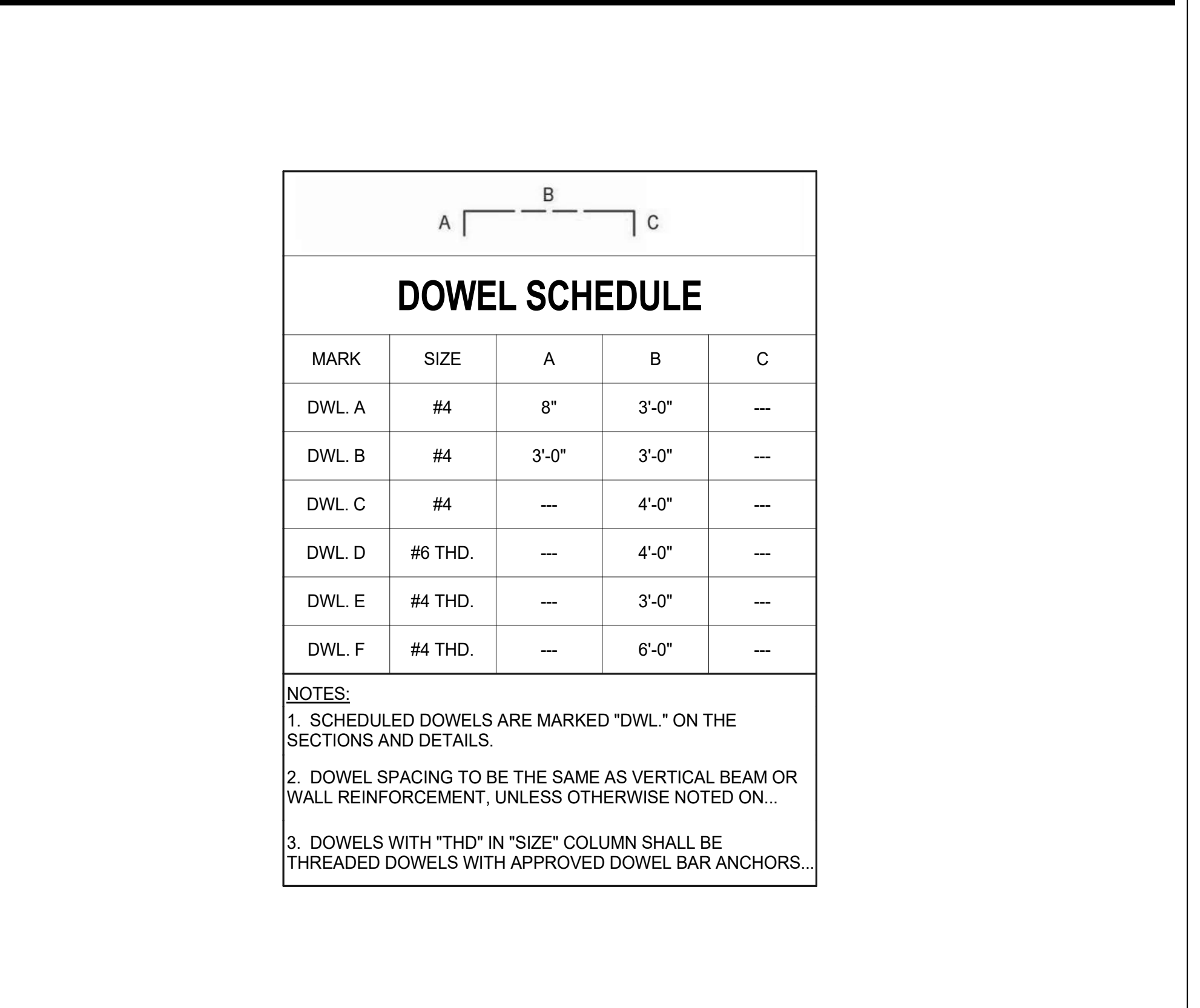
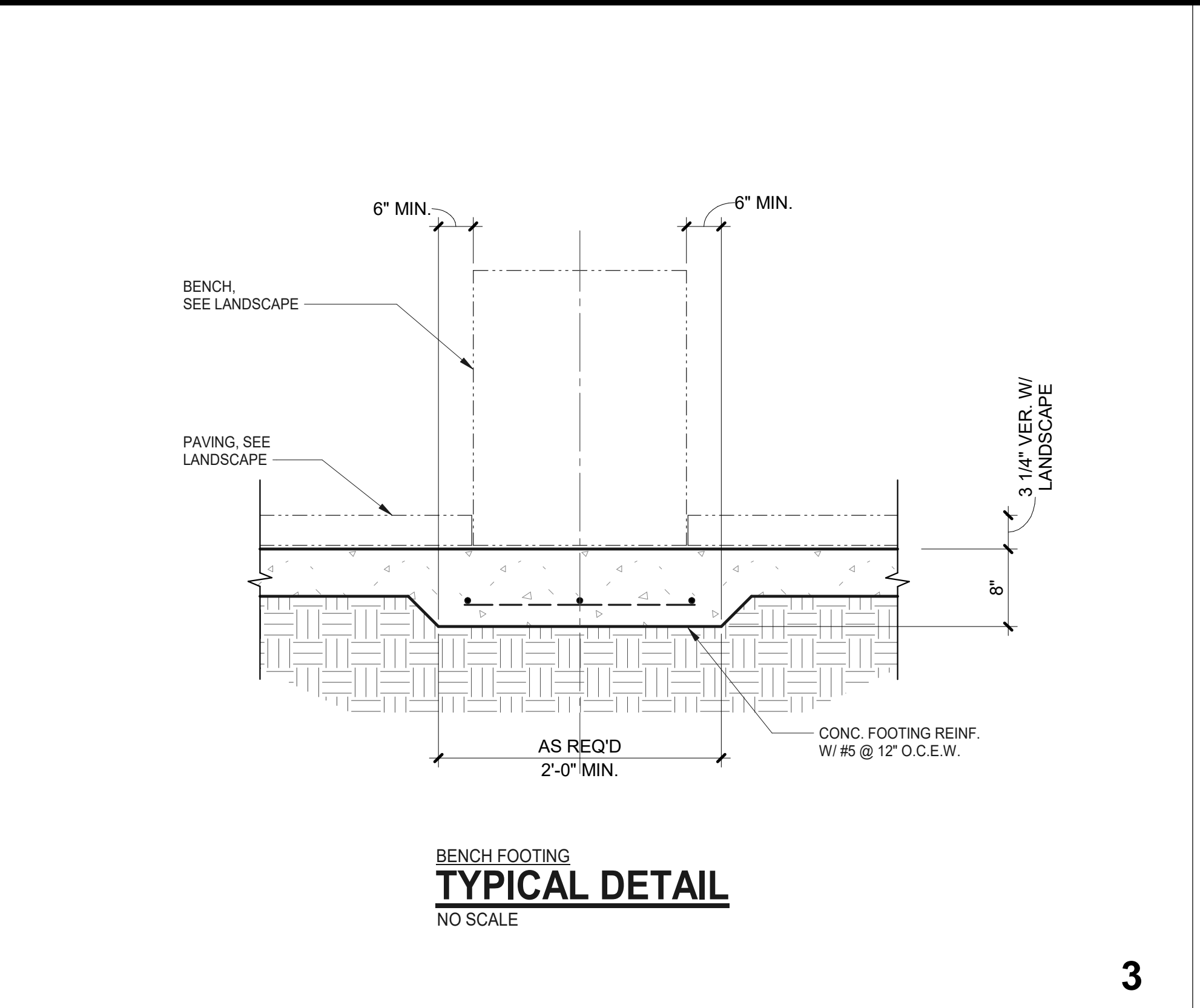
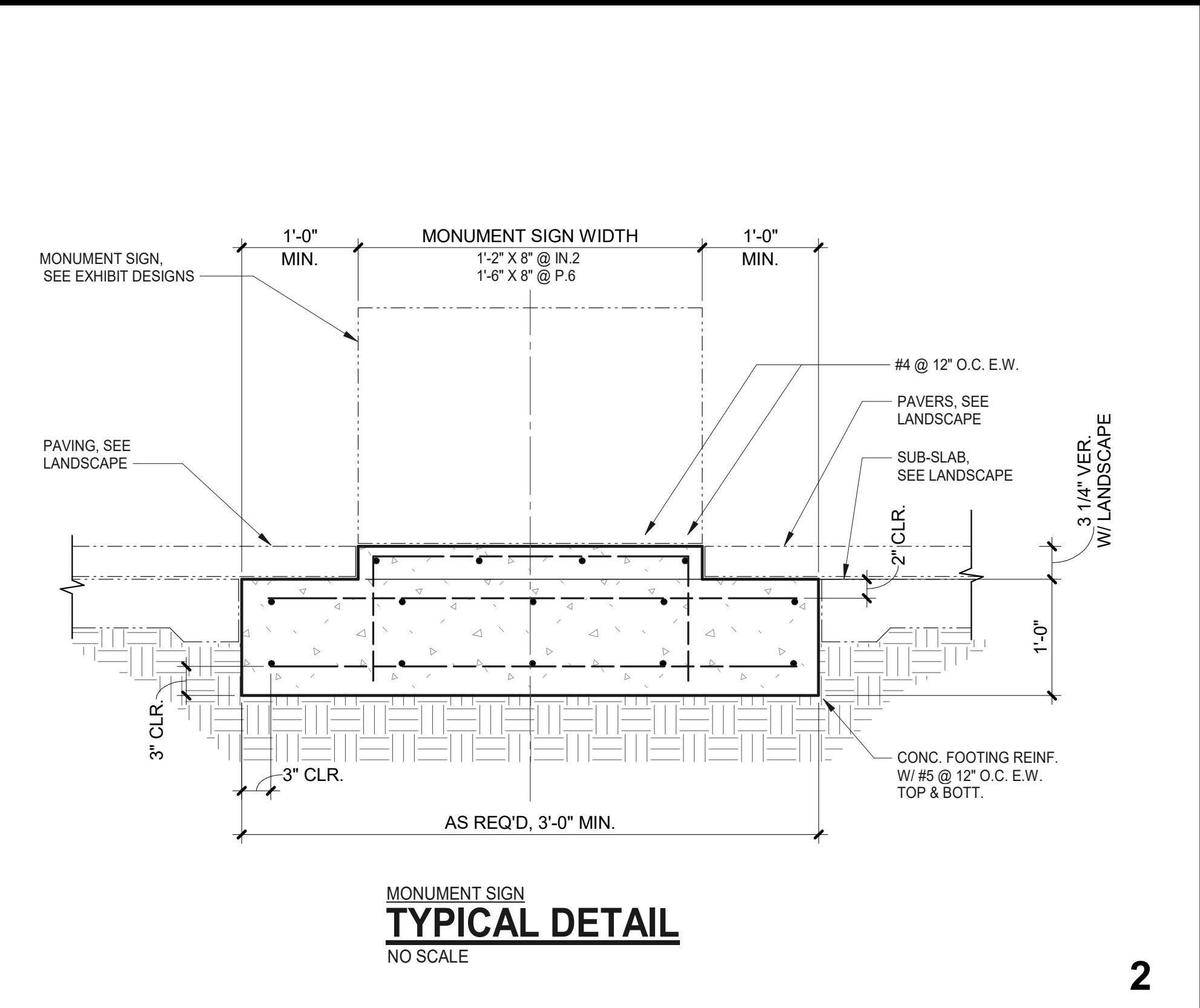
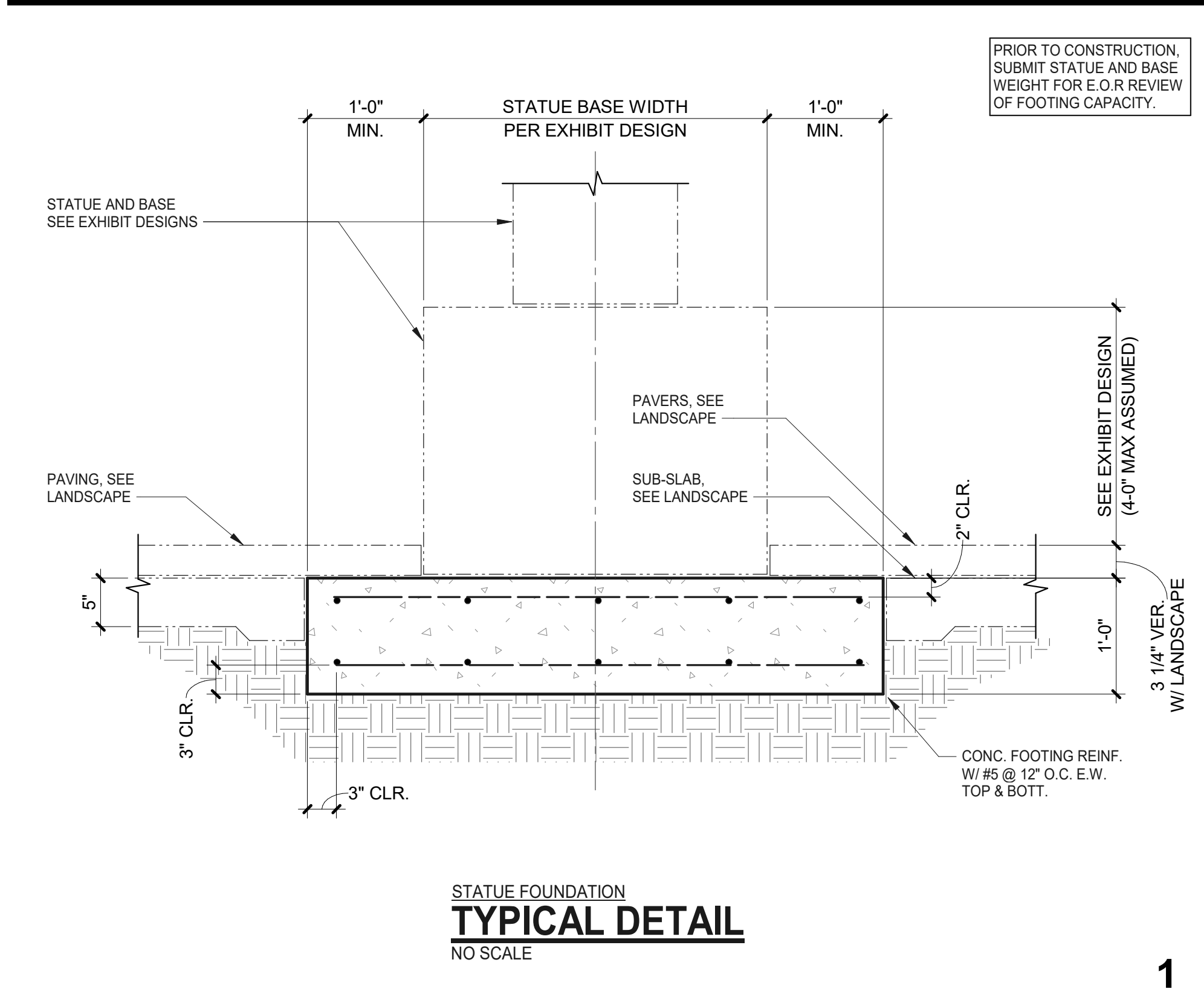
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Scale

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Description
TYPICAL CONCRETE DETAILS

Scale
NOT TO SCALE




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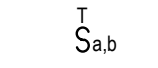

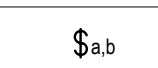



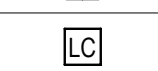
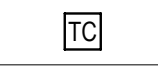
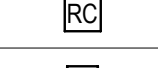



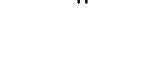





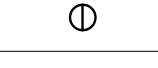





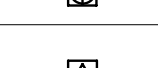


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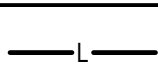




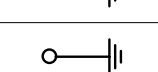
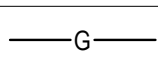

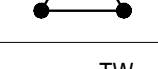

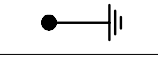

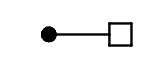
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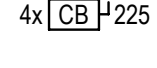
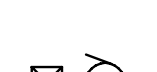




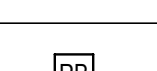

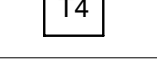

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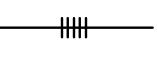


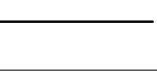
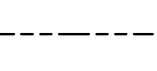
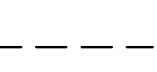
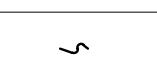
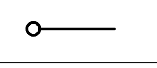
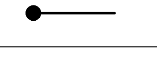
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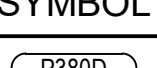

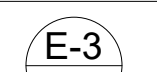

LIGHTING	
SYMBOL	DESCRIPTION
	LIGHTING FIXTURE AND OUTLET BOX.
	- SHADED AREA FIXTURE ON EMERGENCY CIRCUIT
	
NOTE: SEE LIGHT FIXTURE SCHEDULE AND SPECIFICATIONS FOR COMPLETE FIXTURE DESCRIPTION.	



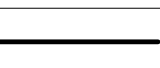
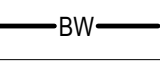
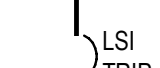
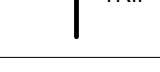
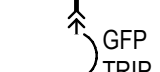

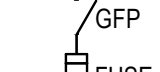
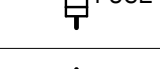
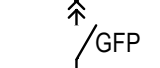
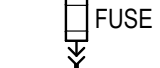



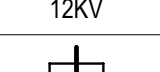
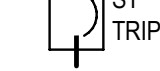
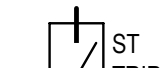

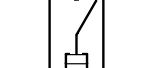
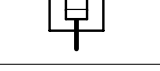

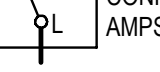
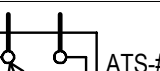

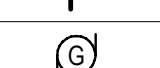


WIRING DEVICES	
SYMBOL	DESCRIPTION
	LINE VOLTAGE SWITCH - LOWER CASE LETTER DENOTES SWITCHING ZONES - "T" DENOTES SWITCH TYPE: NC - MOMENTARY CONTACT D - DIMMER WP - WEATHER PROOF XP - EXPLOSION PROOF
	LOW VOLTAGE SWITCH
	OCCUPANCY SENSOR, CEILING MOUNTED
	OCCUPANCY SENSOR, WALL MOUNTED
	PHOTOCELL CONTROLLER, CEILING MOUNTED
	PHOTOCELL CONTROLLER, WALL MOUNTED
	LIGHTING CONTACTOR
	TIME CLOCK
	REMOTE CONTROL SWITCH
	PUSH BUTTON
	LETTER DESIGNATION ON RECEPTACLES: A = ARC FAULT CIRCUIT INTERRUPTER G = GROUND FAULT CIRCUIT INTERRUPTER IS = ISOLATED GROUND WP = WEATHER PROOF WITH "GFCI" S = SAFETY CT = ABOVE COUNTER CR = CRITICAL EQ = EQUIPMENT LS = LIFE SAFETY +X" = INDICATES MOUNTING HEIGHT SHADING = INDICATES RECEPTACLE ON EMERGENCY
	SIMPLEX RECEPTACLE WALL MOUNTED, +18" AFF. UON
	DUPLEX RECEPTACLE WALL MOUNTED, +18" AFF. UON
	SHADING = INDICATES GFCI RECEPTACLE.
	QUAD RECEPTACLE WALL MOUNTED, +18" AFF. UON
	SPECIAL RECEPTACLE WALL MOUNTED, +18" AFF. UON
	SIMPLEX RECEPTACLE CEILING MOUNTED
	DUPLEX RECEPTACLE CEILING MOUNTED
	SPECIAL RECEPTACLE CEILING MOUNTED
	SIMPLEX RECEPTACLE FLUSH FLOOR MOUNTED
	DUPLEX RECEPTACLE FLUSH FLOOR MOUNTED
	QUAD RECEPTACLE FLUSH FLOOR MOUNTED
	SPECIAL RECEPTACLE FLUSH FLOOR MOUNTED
	POKE THROUGH FLOOR BOX WITH OUTLETS AS SPECIFIED
	ACCESS FLOOR BOX WITH OUTLETS AS SPECIFIED
	JUNCTION BOX RECESSED WALL MOUNTED
	JUNCTION BOX RECESSED CEILING MOUNTED
	JUNCTION BOX RECESSED FLUSH FLOOR MOUNTED

LIGHTNING PROTECTION & GROUNDING	
SYMBOL	DESCRIPTION
	- "L" DENOTES LIGHTNING PROTECTION MAIN CONDUCTOR
	LIGHTING PROTECTION AIR TERMINAL
	THRU ROOF PENETRATION CABLE IN CONDUIT
	THRU ROOF PENETRATION TO STEEL
	FULL DOWNLEAD TO GROUND
	STEEL COLUMN BOND TO GROUND
	EXPOSED DOWNLEAD TO GROUND
	- "G" DENOTES COUNTERPOISE/GROUND CABLE
	TRIANGULAR GROUND GRID - THREE 3/4" x 10'-0" RODS SPACED 30'-0" MINIMUM APART INTERCONNECTED WITH #6 COPPER CONDUCTOR.
	GROUND ELECTRODE 3/4" COPPER ROD, 10'-0" DEEP - "TW" INDICATES TEST WELL
	GROUND ELECTRODE CONNECTION TO EQUIPMENT
	2"x1/4" COPPER GROUND BUS BAR, LENGTH AS INDICATED ON PLANS.
	GROUND PLATE CONNECTION SOLID COPPER, 24"x24"x20 GA.

POWER	
SYMBOL	DESCRIPTION
	SAFETY DISCONNECT SWITCH, 3 POLE UON A: 30A UNFUSED AF: 30A FUSED B: 60A UNFUSED BF: 60A FUSED C: 100A UNFUSED CF: 100A FUSED D: 200A UNFUSED DF: 200A FUSED E: 400A UNFUSED EF: 400A FUSED - "X" DENOTES NEMA ENCLOSURE IF INDICATED
	FUSED DISCONNECT SWITCH - NUMERICAL DENOTES TRIP SIZE - "X" DENOTES NEMA ENCLOSURE IF INDICATED
	MOTOR CONTROL EQUIPMENT AND CONNECTION TO CONTROLLED MOTOR(S). CONTROLLER IS EITHER INTEGRAL TO THE EQUIPMENT OR MOUNTED DIRECTLY ONTO THE EQUIPMENT. SEE MOTOR EQUIPMENT SCHEDULE(S) FOR CIRCUITING, TYPE OF CONTROL EQUIPMENT, QUANTITY OF MOTORS CONNECTED TO CONTROLLER, AND OTHER DETAILS. CONDUCTOR SIZE BETWEEN CONTROLLER AND MOTOR SHALL MATCH THE UPSTREAM OF THE CONTROLLER UNLESS NOTED OTHERWISE ON THE SCHEDULE.
	MOTOR CONTROL EQUIPMENT AND CONNECTION TO CONTROLLED MOTOR(S). CONTROLLER IS EITHER INTEGRAL TO THE EQUIPMENT OR MOUNTED DIRECTLY ONTO THE EQUIPMENT. SEE MOTOR EQUIPMENT SCHEDULE(S) FOR CIRCUITING, TYPE OF CONTROL EQUIPMENT, QUANTITY OF MOTORS CONNECTED TO CONTROLLER, AND OTHER DETAILS. CONDUCTOR SIZE BETWEEN CONTROLLER AND MOTOR SHALL MATCH THE UPSTREAM OF THE CONTROLLER UNLESS NOTED OTHERWISE ON THE SCHEDULE.
	PULLBOX
	TRANSFORMER, SEE SCHEDULE FOR RATING
	AUTOMATIC TRANSFER SWITCH, SEE RISER DIAGRAM FOR RATING
	RELAY - NUMERAL DENOTES NUMBER OF POLES
	SURFACE MOUNTED PANELBOARD
	FLUSH MOUNTED PANELBOARD
	DISTRIBUTION SWITCHBOARD

RACEWAYS	
	CONDUIT AND WIRE - HASH MARKS INDICATE NUMBER OF WIRES - HASH MARKS INDICATES 3/8"12+1#10U+1#12G IN 3/4" CONDUIT UON.
	CONDUIT AND WIRE HOMERUN, CONTINUOUS RUN TO MCC, PANELBOARD, SWITCHBOARD OR EQUIPMENT CABINET.
	CONDUIT AND WIRE RUN IN WALL OR CEILING SPACE, OR RUN EXPOSED IN UNFINISHED SPACE.
	CONDUIT AND WIRE RUN EXPOSED ON WALL OR CEILING IN FINISHED SPACE.
	CONDUIT AND WIRE RUN CONCEALED IN SLAB, UNDER SLAB OR UNDERGROUND
	FLEXIBLE CONNECTION
	CONDUIT TURNING UP
	CONDUIT TURNING DOWN
	CONDUIT CAPPED

MISCELLANEOUS	
SYMBOL	DESCRIPTION
	FEEDER SIZE, SEE FEEDER SCHEDULE
	REFERENCE NOTE
	DETAIL REFERENCE: - DETAIL DESIGNATION - SHEET NUMBER REFERENCE
	EQUIPMENT REFERENCE COORDINATE EQUIPMENT WITH MECHANICAL/PLUMBING TRADES. SEE MECHANICAL/PLUMBING DRAWINGS FOR LOCATIONS.

SINGLE LINE DIAGRAM	
SYMBOL	DESCRIPTION
	PANELBOARD, SEE PANEL SCHEDULE FOR RATINGS.
	FEEDER
	BUSWAY
	MOLDED CASE CIRCUIT BREAKER: - "TEXT" DENOTES CB ACCESSORIES ST, ET, GFF, EO, LSI TRIP FUNCTIONS - NUMERICAL DENOTES TRIP SIZE
	LOW VOLTAGE DRAW OUT CIRCUIT BREAKER: - "TEXT" DENOTES CB ACCESSORIES - NUMERICAL DENOTES TRIP SIZE
	LOW VOLTAGE FUSE/SWITCH UNIT - "TEXT" DENOTES FUSE ACCESSORIES ST, GFR, EO, LO, LOCK OUT PROVISIONS - NUMERICAL DENOTES FUSE SIZE
	MEDIUM VOLTAGE DRAWOUT FUSE/SWITCH UNIT - "TEXT" DENOTES FUSE ACCESSORIES - NUMERICAL DENOTES FUSE SIZE
	MEDIUM VOLTAGE DRAW OUT CIRCUIT BREAKER WITH INTEGRAL TRIP UNIT
	INTERMEDIATE CLASS MOV SURGE ARRESTER - NUMERICAL DENOTES ARRESTOR RATING
	ENCLOSED CIRCUIT BREAKER - "TEXT" DENOTES CB ACCESSORIES - NUMERICAL DENOTES TRIP SIZE
	ENCLOSED SAFETY DISCONNECT SWITCH - "TEXT" DENOTES FUSE ACCESSORIES - NUMERICAL DENOTES SWITCH SIZE
	ENCLOSED FUSED DISCONNECT SWITCH - "TEXT" DENOTES FUSE ACCESSORIES - NUMERICAL DENOTES SWITCH SIZE
	AUTOMATIC TRANSFER SWITCH
	AUTOMATIC TRANSFER SWITCH W/BYPASS ISOLATION
	GENERATOR
	MOTOR
	KEY INTERLOCK
	RELAY NUMERICAL INDICATES TYPE
	UTILITY METER
	DIGITAL MULTIFUNCTION METER WITH CURRENT/POTENTIAL TRANSFORMER AS REQUIRED
	DIGITAL ENERGY METER
	CURRENT TRANSFORMER: - "200%" DENOTES CT RATIO IF INDICATED
	POTENTIAL TRANSFORMER: - NUMERICAL DENOTES QUANTITY OF FUSES
	INVERTER
	RECTIFIER
	BATTERY
	GROUND CONNECTION
	TRANSFORMER WITH PRIMARY AND SECONDARY CONNECTIONS AS INDICATED ON RISER DIAGRAM.

ABBREVIATIONS	
SYMBOL	DESCRIPTION
A, AMP	AMPERE
AIC	AMPS INTERRUPTING CAPACITY
AC	ALTERNATING CURRENT
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AF	ABOVE FINISHED FLOOR
ATC	AUTOMATIC TEMPERATURE CONTROL
ATS	AUTOMATIC TRANSFER SWITCH
BAS	BUILDING AUTOMATION SYSTEM
BMS	BUILDING MANAGEMENT SYSTEM
BFG	BELOW FINISHED GRADE
C, CDT	CONDUIT
CB	CIRCUIT BREAKER
CH	CABINET HEIGHT
CKT	CIRCUIT
C.O., CO	CONDUIT ONLY
CONFIG.	CONFIGURATION
CL	CENTERLINE
CONV	CONVENIENCE
CM	CONSTRUCTION MANAGER
DDC	DIGITAL DATA CONTROL
DWG	DRAWING
E.C.	ELECTRICAL CONTRACTOR
ELEC	ELECTRICAL
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
E.O.	ELECTRICALLY OPERATED "ON-OFF"
EQ	EQUAL
EW	ELECTRIC WATER COOLER
FA	FIRE ALARM
FAI	FURNISH AND INSTALL
FBO	FURNISHED BY OTHERS
FS	FIRE SHUTTER/DOOR
FLA	FULL LOAD AMPS
FSD	FIRE SMOKE DAMPER
G, GND	GROUND
GEN	GENERATOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
HC	HUNG CEILING
HH	handhole
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTOMATIC
HP	HORSE POWER
IBEC	INSTALLED BY ELECTRICAL CONTRACTOR
IG	ISOLATED GROUND
JB, J	JUNCTION BOX
KVA	KILO VOLT-AMPERE
KW	KILO WATT
KWH	KILO WATT HOUR
LC	LOCK & COVER
LCP	LIGHTING CONTROL PANEL
LTG	LIGHTING
LV	LOW VOLTAGE
LVR	LOW VOLTAGE RELAY
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CONTROL PANEL
MER	MECHANICAL EQUIPMENT ROOM
MFRR	MANUFACTURER
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MSB	MAIN SWITCHBOARD
MTD	MOUNTED
NTD	NEUTRAL
NA, N/A	NOT APPLICABLE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
N.C.	NORMALLY CLOSED
NIC	NOT IN CONTRACT
#	NUMBER
N.O.	NORMALLY OPEN
NTS	NOT TO SCALE
OC	ON CENTER
P	POLES
PB	PULL BOX
PFC	POWER FACTOR CORRECTION
PH, a	PHASE
PNL	PANEL
PVC	POLYVINYL CHLORIDE
PWR	POWER
RC	REHEAT COIL
RECP, REC	RECEPTACLE
RM	ROOM
SG	SIGNAGE
SHT	SHEET
SPEC	SPECIFICATIONS
SPDT	SINGLE POLE DOUBLE THROW
SPST	SINGLE POLE SINGLE THROW
SS	SURGE SUPPRESSION
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TYP	TYPICAL
UG	UNDERGROUND
UON, U.O.N.	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
UNF	UNFUSED
V	VOLT
VA	VOLT-AMPERES
VPI	VACUUM PRESSURE IMPREGNATION
VT	VAPOR TIGHT
W	WATT
WP	WEATHERPROOF
XFMR	TRANSFORMER
XP	EXPLOSION PROOF

ELECTRICAL DRAWING LIST - 2C FULL BUILD		
DRG NO.	DRAWING TITLE	SCALE
E0.00	ELECTRICAL - AREA 2C - SYMBOLS, ABBREVIATIONS & SHEET LIST	NTS
E0.01	ELECTRICAL - AREA 2C - GENERAL NOTES	NTS
E0.11	ELECTRICAL - AREA 2C - SCHEDULES	NTS
E1.04	ELECTRICAL - AREA 2C - DEMOLITION PLAN - PROMENADE	1" = 10'-0"
E1.14	ELECTRICAL - AREA 2C - ELECTRICAL PLAN - PROMENADE	1" = 10'-0"
E5.01	ELECTRICAL - AREA 2C - DIAGRAMS, PART PLANS	NTS

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Seal / Signature

06/14/2024

△	Date	Description
	12/12/2022	100% SCHEMATIC DESIGN
	03/02/2023	50% DESIGN DEVELOPMENT
	08/31/2023	100% DESIGN DEVELOPMENT
	10/05/2023	50% CONSTRUCTION DOCUMENTS
	05/24/2024	100% CONSTRUCTION DOCUMENTS
	06/19/2024	ISSUE FOR CONSTRUCTION

Project Name

ALAMO SITE - AREA 2C -
PROMENADE

Project Number

122.0076.202

Description

ELECTRICAL - AREA 2C - SYMBOLS,
ABBREVIATIONS & SHEET LIST

Scale

NTS

E0.00

- GENERAL NOTES
1. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO THE 2020 NATIONAL ELECTRICAL CODE (NEC) WITH THE CITY OF SAN ANTONIO AMENDMENTS AND APPLICABLE LOCAL CODES AND REGULATIONS.
 2. ALL PANELS, SWITCHES, AND WIRING TROUGHS SHALL HAVE SUFFICIENT GUTTER SPACE AND LUGS TO ACCOMMODATE CONDUCTORS SHOWN.
 3. WHERE WIRE SIZES ARE INDICATED ON PLANS, FOR INDIVIDUAL CIRCUITS, THE WIRE SIZE INDICATED SHALL APPLY TO THE COMPLETE CIRCUIT, UNLESS OTHERWISE NOTED.
 4. ALL JUNCTION BOXES AND PULL BOXES SHALL BE SIZED PER CODE TO ACCOMMODATE THE NUMBER OF CONDUITS/CONDUCTORS SHOWN.
 5. ELECTRICAL CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL MECHANICAL, PLUMBING AND OTHER EQUIPMENT REQUIRING ELECTRICAL POWER, PRIOR TO PERFORMANCE OF ANY WORK.
 6. ALL PANELBOARD SHALL HAVE LOCKING DOORS AND BE KEYPED ALIKE UNLESS OTHERWISE NOTED.
 7. ALL MOUNTING HEIGHTS FOR DEVICES SHALL BE AS PER LANDSCAPE ARCHITECTURAL DOCUMENTS.
 8. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED. FOLLOW DRAWINGS IN LAYING OUT WORK AND CHECK DRAWINGS OF OTHER TRADES TO VERIFY SPACE IN WHICH WORK WILL BE INSTALLED. MAINTAIN HEADROOM AND SPACE CONDITIONS AT ALL TIMES.
 9. FURNISH FISH WIRE IN EACH RACEWAY RUN OVER 10' IN LENGTH, IN WHICH PERMANENT WIRING IS NOT INSTALLED.
 10. NOT MORE THAN THREE CURRENT CARRYING CONDUCTORS ARE PERMITTED IN ONE CONDUIT, UNLESS OTHERWISE INDICATED.
 11. PROVIDE UNDERGROUND PULL BOXES WHEREVER NECESSARY TO FACILITATE PULLING OF CONDUCTORS. COORDINATE LOCATIONS OF BOXES WITH OTHER TRADES TO AVOID CONFLICT. CONTRACTOR TO PROVIDE SHOP DRAWINGS INDICATING ALL PULL BOX LOCATIONS FOR LANDSCAPE ARCHITECT APPROVAL PRIOR TO ANY INSTALLATIONS.
 12. ALL EXTERIOR ELECTRICAL DEVICES AND EQUIPMENT SHALL BE WEATHERPROOF TYPE.
 13. ALL FEEDER AND BRANCH CIRCUIT CONDUIT CROSSING UNDER THE PAVED PATHWAYS AND ROADWAYS TO BE ENCASED IN A MINIMUM OF 2" REINFORCED CONCRETE.
 14. ALL LIGHTING POLES AND TREE RECEPTACLES FOR LIGHTING TO BE PHOTOCELL AND TIMECLOCK CONTROLLED VIA LIGHTING CONTROL INTELLIGENT PANEL TO MEET IECC 2021 C405.2.7. COORDINATE TIMECLOCK SETTINGS WITH THE OWNER.
 15. CONTRACTOR TO CALCULATE VOLTAGE DROP FOR ALL BRANCH CIRCUIT CONNECTIONS TO VERIFY CONDUCTOR AND CONDUIT SIZES ARE ADEQUATE PRIOR TO INSTALLATION. VOLTAGE DROP IN EACH POWER FEEDER SHALL BE NO MORE THAN 2%, A MAXIMUM VOLTAGE DROP IN EACH BRANCH SHALL BE NO MORE THAN 3% AND A TOTAL VOLTAGE DROP FROM THE SOURCE TO THE END DEVICE SHALL BE NO MORE THAN 5%.

- LIGHTING NOTES
1. FOR EXACT LOCATION OF ALL SITE LIGHTING FIXTURES REFER TO THE LANDSCAPE ARCHITECTS DRAWINGS.
 2. A GROUND ROD SHALL BE PLACED AND BONDED FOR EACH LIGHTING POLE.
 3. REFER TO SPECIFICATION 26600 - SITE LIGHTING FOR ELECTRICAL REQUIREMENTS OF ALL LIGHTING FIXTURES.
 4. CIRCUIT NUMBERS ARE FOR REFERENCE ONLY. FIELD CONDITIONS PREVAIL.
 5. LIGHTING CONTROLS SYSTEMS SHALL BE FUNCTIONALLY TESTED BY A QUALIFIED PERSON AND A REPORT SHALL BE SUBMITTED DEMONSTRATING COMPLIANCE WITH IECC 2021 C408.3 TO THE INSPECTOR OF RECORD. REFER TO SPECIFICATION SECTION 26 09 43 FOR ADDITIONAL INFORMATION. REFER TO E0.11 FOR LIGHTING CONTROLS NARRATIVE.

- POWER NOTES
1. CIRCUITING IS INDICATED BY NUMBER ADJACENT TO EACH RECEPTACLE. CONTRACTOR SHALL PROVIDE ALL CONDUIT, WIRE, BOXES REQUIRED FOR A COMPLETE INSTALLATION.
 2. USE FLEXIBLE CONDUIT FOR FINAL CONNECTIONS TO MOTORS, VIBRATING EQUIPMENT OR WHERE REQUIRED FOR EQUIPMENT SERVICING.
 3. ALL FEEDERS SHALL BE INDIVIDUAL CONDUCTORS IN RACEWAYS. WIRING FOR BRANCH CIRCUITS AND MOTORS TO BE SIZED PER NEC REQUIREMENTS. ALL POWER WIRING SHALL BE 600V COPPER CONDUCTORS. MINIMUM WIRE SIZE SHALL BE #10 AWG THHNW-2 TYPE CONDUCTORS.
 4. ALL UNDERGROUND CONDUITS SHALL BE PVC SCHEDULE 80. MINIMUM CONDUIT COVER SHALL BE PER NEC 300.5.. CONTRACTOR TO COORDINATE CONDUIT AND DUCTBANK REQUIREMENTS WITH CIVIL DRAWINGS AND CPS REQUIREMENTS.
 5. VERIFY THE CONNECTION REQUIREMENT OF ALL EQUIPMENT WITH SUPPLIER AND PROVIDE JUNCTION BOX OR RECEPTACLES. AND MAKE ALL CONNECTIONS AS REQUIRED.
 6. ALL FINAL ELECTRICAL DEVICES TO BE COORDINATED WITH LANDSCAPE ARCHITECTURAL PLANS AT TIME OF CONSTRUCTION.
 7. ALL ELECTRICAL EQUIPMENT LOCATED IN NON-CONDITIONED SPACE SHALL HAVE A NEMA-3R ENCLOSURE.
 8. ALL RECEPTACLES AND ELECTRICAL DEVICES IN SPACES WITH PUBLIC ACCESS SHALL BE INSTALLED WITH A WATERPROOF AND LOCKABLE ENCLOSURE.

- DEMOLITION NOTES:
1. PLAN DEMOLITION OF WORK TO ENSURE MINIMUM INTERFERENCE WITH THE OPERATION OF THE SITE. COORDINATE POWER SHUTDOWNS OR INTERFERENCE WITH THE ACTIVE AREAS WITH CPS. NOTIFICATION OF THE CITY OF SAN ANTONIO, ATI AND CPS IN WRITING IS REQUIRED PRIOR TO APPROVAL OF ANY SHUTDOWNS. POWER SHUTDOWNS OR INTERFERENCE WITHOUT CITY OF SAN ANTONIO, ATI AND CPS PERMISSION IS UNACCEPTABLE.
 2. CONTRACTOR SHALL EXAMINE EXISTING CONDITIONS AND SHALL PERFORM ALL REQUIRED DEMOLITION AND RELOCATION WORK AS WELL AS PROVISION OF ALL NEW ELECTRICAL EQUIPMENT, WIRING, ETC. AS REQUIRED FOR FULLY FUNCTIONAL SYSTEM.
 3. ALL CIRCUITS AFFECTED BY THE DEMOLITION WORK SHALL BE DE-ENERGIZED AT THEIR SOURCE PRIOR TO BEGINNING ANY DEMOLITION WORK ON SITE.
 4. THE REMOVAL OF LIGHTING POLES SHALL INCLUDE THE REMOVAL OF ALL ASSOCIATED BRANCH CIRCUIT WIRING, RACEWAYS, BOXES AND SUPPORTS UNLESS OTHERWISE NOTED. DUE TO LIMITED DEPTH OF EXCAVATION FOR INTERIM PHASE IT IS ACCEPTABLE TO ABANDON IN PLACE EMPTY UNDERGROUND CONDUIT AFTER WIRING IS REMOVED. CONDUIT TO BE REMOVED IN FUTURE PHASES.
 5. CONTRACTOR SHALL INCLUDE ALL COSTS FOR REMOVALS. THESE COSTS SHALL INCLUDE WORK DESCRIBED IN THE CONTRACT DOCUMENTS WITH ALLOWANCES FOR NORMAL UNFORESEEN DIFFICULTIES WHEN CONCEALED WORK HAS BEEN OPEN.
 6. ALL ELECTRICAL WORK IN ADJOINING AREAS WHICH IS REQUIRED TO FUNCTION BUT IS AFFECTED BY DEMOLITION AND/OR PHASING WORK SHALL BE RECONNECTED AND RESTORED TO ITS PRESENT FUNCTION.
 7. ALL PRESENT MATERIAL AND EQUIPMENT IN USABLE CONDITION, WHICH IS TO BE REMOVED UNDER THIS CONTRACT, REMAIN THE PROPERTY OF THE OWNER AND/OR SHALL BE DISPOSED OF BY THE CONTRACTOR AS DIRECTED.
 8. PORTIONS OF FEEDER LINES THAT HAVE BEEN REMOVED AND ABANDONED AS A RESULT OF DEMOLITION WORK BUT ARE REQUIRED TO CONTINUE TO FUNCTION, SHALL BE CUT AT CONVENIENT LOCATIONS, REROUTED AND RECONNECTED FOR CONTINUATION OF THEIR PRESENT FUNCTION. NEW FEEDER EXTENSIONS SHALL MATCH EXISTING ONES IN ALL RESPECT (CONDUCTOR CAPACITY, CONDUIT SIZE, ETC.).
 9. COORDINATE THE EXTENT OF DEMOLITION WORK WITH CIVIL ENGINEER AND CONSTRUCTION MANAGER.

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Seal / Signature

F-1990

06/14/2024

△ Date	Description
12/12/2022	100% SCHEMATIC DESIGN
03/02/2023	50% DESIGN DEVELOPMENT
08/31/2023	100% DESIGN DEVELOPMENT
10/05/2023	50% CONSTRUCTION DOCUMENTS
05/24/2024	100% CONSTRUCTION DOCUMENTS
06/19/2024	ISSUE FOR CONSTRUCTION

Project Name

ALAMO SITE - AREA 2C -
PROMENADE

Project Number

122.0076.202

Description

ELECTRICAL - AREA 2C - GENERAL
NOTES

Scale

NTS

E0.01

LIGHTING FIXTURE SCHEDULE - AREA 2C											
FIXTURE TYPE	MANUFACTURER	PRODUCT	DESCRIPTION	CCT	LIGHT OUTPUT	LAMPS	VOLTAGE	LOAD	CONTROLS	NOTES	Count
AF02.2	WE-EF	FLC210 - W - 615 - 3000K - CUSTOM BRONZE FIN. - 139-4205 HC LOUVER	FLC 200 SERIES FLOOD LIGHT, SYMMETRIC WIDE FLOOD, MOUNTED TO AP03.2 POLES	3000K	1600 lm	LED	120 V	12 VA	0-10V DIMMING: CONNECTED TO POLE TOP CASAMBI ZHAGA CONNECTOR	UL-WET RATED, WITH CUSTOM MOUNT TO AP03.2 POLE RAIL SYSTEM	12
AG04.2	ERCO	32850.099 - CUSTOM 2700K - GRAZE - CUSTOM ANODIZED BRONZE TRIM FINISH	17.5IN SITE IN-GROUND GRAZING LUMINAIRE	2700K	2500 lm	LED	120 V	29 VA	0-10V DIMMING: CONNECTED TO CASAMBI 16A 0-10V RELAY MODULE	UL-WET RATED, IMPACT-RESISTANT	2
AP03.2	TECHNILUM	CUSTOM ALAMO STRUCTURE X200 POLE, WITH TECHNILUM UNIVERSAL BRACKET FOR LIGHT FIXTURES AND ACCESSORIES	16FT ROUND STRUCTURE K POLE WITH RAILING SYSTEM	N/A	N/A	N/A	0 V	0 VA	0-10V DIMMING: CONNECTED TO POLE TOP CASAMBI ZHAGA CONNECTOR	REFER TO POLE ACCESSORY COORDINATION SCHEDULE FOR ADDITIONAL INFORMATION ON ACCESSORY INTEGRATION NEEDS	6
AT02-WF-2	BK LIGHTING	HU - LED - TR - X118 - WFL - 9 - A: CUSTOM BRONZE RAL 8019 FIN, CUSTOM POWER PIPE CUS-1512-92 WITH INTEGRAL CASAMBI BLUETOOTH ANTENNA, WITH (2)WEEP HOLES IN TOP SNOOT	HUME SERIES STATUE UPLIGHT, 50DEG WIDE FLOOD OPTICS	3000K	1200 lm	LED	120 V	34 VA	ELV DIMMING: INTEGRAL CASAMBI MODULE	UL-WET RATED, TAMPER-RESISTANT, IMPACT-RESISTANT	4
AU01.2	ERCO	35079.099 - CUSTOM 2700K - ADJUSTBALE FLOOD, WITH CUSTOM RECESSED HOUSING 33299.099	TESIS SERIES IN-GROUND STATUE & SIGNAGE UPLIGHT, ADJUSTABLE FLOOD OPTICS	2700K	630 lm	LED	120 V	6 VA	0-10V DIMMING: CONNECTED TO CASAMBI 16A 0-10V RELAY MODULE	UL-WET RATED, TAMPER-RESISTANT, IMPACT-RESISTANT	8

LIGHTING FIXTURE SCHEDULE - AREA 2C - ADD ALTERNATE											
FIXTURE TYPE	MANUFACTURER	PRODUCT	DESCRIPTION	CCT	LIGHT OUTPUT	LAMPS	VOLTAGE	LOAD	CONTROLS	NOTES	Count
AF02.2	WE-EF	FLC210 - W - 615 - 3000K - CUSTOM BRONZE FIN. - 139-4205 HC LOUVER	FLC 200 SERIES FLOOD LIGHT, SYMMETRIC WIDE FLOOD, MOUNTED TO AP03.2 POLES	3000K	1600 lm	LED	120 V	12 VA	0-10V DIMMING: CONNECTED TO POLE TOP CASAMBI ZHAGA CONNECTOR	UL-WET RATED, WITH CUSTOM MOUNT TO AP03.2 POLE RAIL SYSTEM	12
AP03.2	TECHNILUM	CUSTOM ALAMO STRUCTURE X200 POLE, WITH TECHNILUM UNIVERSAL BRACKET FOR LIGHT FIXTURES AND ACCESSORIES	16FT ROUND STRUCTURE K POLE WITH RAILING SYSTEM	N/A	N/A	N/A	0 V	0 VA	N/A	REFER TO POLE ACCESSORY COORDINATION SCHEDULE FOR ADDITIONAL INFORMATION ON ACCESSORY INTEGRATION NEEDS	6
AT01-G-2	ERCO	33409.099 - 3000K - WIDE FLOOD, WITH CUSTOM ERCCO 7" MOUNTING BRACKET 33296.099; CUSTOM ANODIZED BRONZE TRIM FINISH	TESIS SERIES TREE GRATE MOUNTED TREE UPLIGHT, WIDE FLOOD OPTICS	3000K	630 lm	LED	120 V	6 VA	ELV DIMMING: CONNECTED TO CASAMBI 16A ELV RELAY MODULE	UL-WET RATED, TAMPER-RESISTANT, IMPACT-RESISTANT	8
AT03.2	BK LIGHTING	IMN - LED - E68 - FL - A: CUSTOM BRONZE RAL 8019 FIN, CUSTOM POWER PIPE CUS-C1512-87 WITH INTEGRAL CASAMBI MODULE; WITH (2)WEEP HOLES IN TOP SNOOT	MICRO NITE STAR SERIES, 30DEG FLOOD OPTICS	3000K	500 lm	LED	120 V	7 VA	<varies>	ELV DIMMING: INTEGRAL CASAMBI MODULE	32

NOTES:

1. REFER TO SPECIFICATION SECTION 265600 & 260943 FOR ADDITIONAL INFORMATION.
2. QUANTITIES SHOWN DO NOT INCLUDE ANY SPARE COMPONENTS OR SECONDARY STOCK WHICH MAY BE NEEDED FOR COMPLETE INSTALLATION.
3. QUANTITIES SHOWN DO NOT INCLUDE ANY LUMINAIRES REQUIRED FOR MOCKUP PURPOSES.
4. QUANTITIES SHOWN DO NOT DEFINE DRIVERS BREAKDOWNS.
5. IT IS THE RESPONSIBILITY OF CONTRACTOR TO VERIFY FINAL QUANTITY OF FIXTURES, DRIVERS, AND ALL ACCESSORIES NEEDED FOR COMPLETE INSTALLATION.

POLE ACCESSORY COORDINATION SCHEDULE - 2C											
FIXTURE AND DEVICE ATTACHMENTS							ACCESS DOORS NEEDED PER POLE				
TAG	POLE TYPE	LOCATION	FIXTURE AND DEVICE TYPE	MTG. HEIGHT (TO CENTER)	MTG. METHOD	PLAN ORIENTATION	PRE-DRILLED CABLE GLANDS WIRE ENTRY SIZE	CONDUIT ROUTES NEEDED IN POLE		DESIGNATION	ACCESSING
P.2C.01	AP03	ALAMO PROMENADE EAST	AF02.2	15'-0"	TECHNILUM UNIVERSAL BRACKET	PER DRAWINGS	1"	(1)1" C - POWER (LIGHTS + LOW V PS + GFCI) (1)3/4" C - LOW V (FROM PS TO ZHAGA) (2)1" C - DATA (WAP, CAMERA)	DOOR 1	INCOMING CONDUIT + LOW V PS + DATA PORTS	
			AF02.2	15'-0"	TECHNILUM UNIVERSAL BRACKET	PER DRAWINGS	1"				
			ZHAGA TOP		RECESSED AT TOP	CENTERED ON TOP	N/A				
			CAMERA	10'-0"	AVIGILON BRACKET BY OWNER	W	PER MANUF.		DOOR 2	CAMERA WIRING	
P.2C.06				WAP	12'-0"	SURFACE MOUNTED	W		PER MANUF.	DOOR 3	WAP WIRING
		GFCI	1'-6"	RECESSED BACKBOX	W	N/A	DOOR 4	LIGHT FIXTURE WIRING			
		LOW V POWER SUPPLY (PS) (2)DATA PORTS	BOTTOM BOTTOM	INTERNAL AT BASE	N/A (INTERNAL)	N/A	REMOVABLE TOP	ZHAGA WIRING			
NOTES:											
1	FOR THE PURPOSE OF THIS DOCUMENTATION, THE PLAN ORIENTATION IS REFERENCING NORTH AS BEING STRAIGHT UP ON THE PLANS, AND IS NOT REFERENCING TRUE NORTH.										
2	CONTRACTOR SHALL COORDINATE ALL LIGHT POLE INSTANCES AND ACCESSORY INTEGRATION WITH MANUFACTURER AND PROVIDE DETAILED SHOP DRAWINGS FOR DESIGN TEAM AND OWNER REVIEW PRIOR TO PURCHASING ALL LIGHT POLES, AS PER SPECIFICATION 265600.										
3	ACCESS DOORS SHALL BE PROVIDED AT THE BASE OF EACH POLE AND AT EACH ACCESSORY. SIZE OF ACCESS DOORS SHALL BE PER TECHNILUM BASED ON POLE SERIES AND SIZE.										
4	"AF02.2" DENOTES LIGHT FIXTURE. REFER TO LIGHT FIXTURE SCHEDULE AND SPECIFICATION 265600 FOR ADDITIONAL INFORMATION.										
5	"ZHAGA" DENOTES INTEGRAL CASAMBI ZHAGA MODULE WITH TWIST LOCK SOCKET BASE AND CASAMBI ON/OFF RELAY. REFER TO LIGHT FIXTURE SCHEDULE AND SPECIFICATION 260943 FOR ADDITIONAL INFORMATION.										
6	"LOW V POWER SUPPLY" DENOTES INTEGRAL 120-12V WET RATED POWER SUPPLY FOR SUPPLYING LOW VOLTAGE CASAMBI MODULES. REFER TO TYPES "ZHAGA" AND "DMX" IN THIS LIST FOR ADDITIONAL INFORMATION. REFER TO SPECIFICATION 260943 FOR ADDITIONAL INFORMATION.										
7	GFCI RECEPTACLES TO BE PROVIDED WITH IN-USE COVER.										
8	CAMERAS AND MOUNTING BRACKET ACCESSORIES ARE SPECIFIED AND PROVIDED BY THE OWNER. LIGHT POLES SHALL ALLOW FOR BASE INFRASTRUCTURE AS REQUIRED FOR FUTURE CAMERA INTEGRATION OF AVIGILON SERIES TYPE "144 MULTISENSOR CAMERA LINE" WITH AVIGILON MOUNTING BRACKET SERIES TYPE "POLE MOUNTING BRACKET". PRE-DRILLED HOLES FOR MOUNTING BRACKETS AND CABLE GLANDS SHALL BE PER MANUFACTURER SPECIFICATION AND INSTALLATION INSTRUCTION DATA. REFER ALSO TO TELECOM DRAWINGS FOR ADDITIONAL INFORMATION REGARDING LOW VOLTAGE CONDUIT ROUTINGS AND DATA PORTS.										
9	WAPS ARE SPECIFIED AND PROVIDED BY THE OWNER. LIGHT POLES SHALL ALLOW FOR BASE INFRASTRUCTURE AS REQUIRED FOR FUTURE WAP INTEGRATION OF CISCO SERIES TYPE "MERAKI MR86". PRE-DRILLED HOLES FOR MOUNTING AND CABLE GLANDS SHALL BE PER MANUFACTURER SPECIFICATION AND INSTALLATION INSTRUCTION DATA. REFER ALSO TO TELECOM DRAWINGS FOR ADDITIONAL INFORMATION REGARDING LOW VOLTAGE CONDUIT ROUTINGS AND DATA PORTS.										

LIGHTING FIXTURE NAMING LEGEND				LIGHTING CONTROLS NARRATIVE						
EXAMPLE	DESCRIPTION			CASAMBI WIRELESS CONTROL SYSTEM						
<div>AP01.2(A)A</div> <div>P.2C.01B</div> <div>g01C</div> <div>PP-PR1D</div>	A: LIGHT FIXTURE TYPE			AREA TYPE	AREA TYPE DIMMING SETTINGS				AT SUNRISE	NOTES:
	(A) INDICATES FIXTURE IS ADD-ALTERNATE ONLY				AT SUNSET	1 HR AFTER SUNSET	3 HR AFTER SUNSET	AT MIDNIGHT		
	B: LIGHT POLE TAG (IF APPLICABLE)									
	C: LIGHTING CONTROL ZONE									
D: ELECTRICAL CIRCUIT PANEL/NUMBER				PEDESTRIAN PLAZAS	100%	100%	100%	50%	OFF	1. REFER TO LIGHT FIXTURE SCHEDULE "CONTROLS" COLUMN AND LIGHTING CONTROLS SPECIFICATION 260943 FOR ADDITIONAL INFORMATION. 2. CONTRACTOR SHALL COORDINATE WITH LIGHTING CONTROLS MANUFACTURER BASED ON LIGHT FIXTURE DIMMING REQUIREMENTS, AND PROVIDE ALL ACCESSORIES AND WIRING AS REQUIRED TO ACHIEVE A FULL FUNCTIONING SYSTEM. 3. PRIOR TO INSTALLATION, CONTRACTOR SHALL PROVIDE FULL LIGHTING CONTROLS PACKAGE INCLUDING, AT A MINIMUM, THE CONNECTIONS FOR ALL COMPONENTS USED IN THE DESIGN, TYPICAL WIRING DIAGRAMS COVERING ALL SITUATIONS, BILL OF QUANTITIES FOR ALL COMPONENTS, AND PLAN DRAWING INDICATING LOCATIONS OF ALL COMPONENTS. 4. LIGHTING CONTROLS SYSTEM SHALL BE COMMISSIONED BY QUALIFIED PERSON AND A REPORT SHALL BE SUBMITTED TO INSPECTOR OF RECORD. 5. CONTRACTOR SHALL COORDINATE ALL FINAL DEVICE LOCATIONS SUCH THAT ALL DEVICES ARE READILY ACCESSIBLE FOR MAINTENANCE.
LIGHTING CONTROL ZONE DESIGNATION				WALKWAYS >10FT	100%	100%	100%	50%	OFF	
DESIGNATION				WALKWAYS <10FT	100%	100%	100%	50%	OFF	
1z: FIXTURE ZONED INDEPENDENTLY				LANDSCAPE/ SOFTSCAPE	100%	100%	50%	50%	OFF	
g01: FIXTURES ZONED IN A GROUP				MONUMENTS/AREAS OF HISTORIC SIGNIFICANCE	100%	100%	100%	100%	OFF	
"01" THROUGH LAST NUMBER NEEDED PER EACH GROUPED CONTROL ZONE.										

POLE ACCESSORY COORDINATION SCHEDULE - 2C - ADD ALTERNATE													
FIXTURE AND DEVICE ATTACHMENTS							ACCESS DOORS NEEDED PER POLE						
TAG	POLE TYPE	LOCATION	FIXTURE AND DEVICE TYPE	MTG. HEIGHT (TO CENTER)	MTG. METHOD	PLAN ORIENTATION	PRE-DRILLED CABLE GLANDS/WIRE ENTRY SIZE	CONDUIT ROUTES NEEDED IN POLE		DESIGNATION	ACCESSING		
AP03.2 (A) ADD-ALT POLES	AP03	ALAMO PROMENADE WEST	AF02.2	15'-0"	TECHNILUM UNIVERSAL BRACKET	PER DRAWINGS	1"	(1)1" C - POWER (LIGHTS + LOW V PS + GFCI) (1)1" C - DATA (WAP) (1)3/4" C - LOW V (FROM PS TO ZHAGA)		DOOR 1	INCOMING CONDUIT + LOW V PS + DATA PORTS		
			AF02.2	15'-0"	TECHNILUM UNIVERSAL BRACKET	PER DRAWINGS	1"						
			ZHAGA	TOP	RECESSED AT TOP	CENTERED ON TOP	N/A						
			WAP	12'-0"	SURFACE MOUNTED	E	PER MANUF.					DOOR 2	WAP WIRING
			GFCI	1'-6"	RECESSED BACKBOX	E	N/A					DOOR 3	LIGHT FIXTURE WIRING
			LOW V POWER SUPPLY (PS) (2)DATA PORTS	BOTTOM	INTERNAL AT BASE	N/A (INTERNAL)	N/A					REMOVABLE TOP	ZHAGA WIRING
				BOTTOM	INTERNAL AT BASE	N/A (INTERNAL)	N/A						
NOTES:													
1	FOR THE PURPOSE OF THIS DOCUMENTATION, THE PLAN ORIENTATION IS REFERENCING NORTH AS BEING STRAIGHT UP ON THE PLANS, AND IS NOT REFERENCING TRUE NORTH.												
2	CONTRACTOR SHALL COORDINATE ALL LIGHT POLE INSTANCES AND ACCESSORY INTEGRATION WITH MANUFACTURER AND PROVIDE DETAILED SHOP DRAWINGS FOR DESIGN TEAM AND OWNER REVIEW PRIOR TO PURCHASING ALL LIGHT POLES, AS PER SPECIFICATION 265600.												
3	ACCESS DOORS SHALL BE PROVIDED AT THE BASE OF EACH POLE AND AT EACH ACCESSORY. SIZE OF ACCESS DOORS SHALL BE PER TECHNILUM BASED ON POLE SERIES AND SIZE.												
4	"AF02.2" DENOTES LIGHT FIXTURE. REFER TO LIGHT FIXTURE SCHEDULE AND SPECIFICATION 265600 FOR ADDITIONAL INFORMATION.												
5	"ZHAGA" DENOTES INTEGRAL CASAMBI ZHAGA MODULE WITH TWIST LOCK SOCKET BASE AND CASAMBI ON/OFF RELAY. REFER TO LIGHT FIXTURE SCHEDULE AND SPECIFICATION 260943 FOR ADDITIONAL INFORMATION.												
6	"LOW V POWER SUPPLY" DENOTES INTEGRAL 120-12V WET RATED POWER SUPPLY FOR SUPPLYING LOW VOLTAGE CASAMBI MODULES. REFER TO TYPES "ZHAGA" AND "DMX" IN THIS LIST FOR ADDITIONAL INFORMATION. REFER TO SPECIFICATION 260943 FOR ADDITIONAL INFORMATION.												
7	GFCI RECEPTACLES TO BE PROVIDED WITH IN-USE COVER.												
8	CAMERAS AND MOUNTING BRACKET ACCESSORIES ARE SPECIFIED AND PROVIDED BY THE OWNER. LIGHT POLES SHALL ALLOW FOR BASE INFRASTRUCTURE AS REQUIRED FOR FUTURE CAMERA INTEGRATION OF AVIGILON SERIES TYPE "144 MULTISENSOR CAMERA LINE" WITH AVIGILON MOUNTING BRACKET SERIES TYPE "POLE MOUNTING BRACKET". PRE-DRILLED HOLES FOR MOUNTING BRACKETS AND CABLE GLANDS SHALL BE PER MANUFACTURER SPECIFICATION AND INSTALLATION INSTRUCTION DATA. REFER ALSO TO TELECOM DRAWINGS FOR ADDITIONAL INFORMATION REGARDING LOW VOLTAGE CONDUIT ROUTINGS AND DATA PORTS.												
9	WAPS ARE SPECIFIED AND PROVIDED BY THE OWNER. LIGHT POLES SHALL ALLOW FOR BASE INFRASTRUCTURE AS REQUIRED FOR FUTURE WAP INTEGRATION OF CISCO SERIES TYPE "MERAKI MR86". PRE-DRILLED HOLES FOR MOUNTING AND CABLE GLANDS SHALL BE PER MANUFACTURER SPECIFICATION AND INSTALLATION INSTRUCTION DATA. REFER ALSO TO TELECOM DRAWINGS FOR ADDITIONAL INFORMATION REGARDING LOW VOLTAGE CONDUIT ROUTINGS AND DATA PORTS.												

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Project Name

ALAMO SITE - AREA 2C -
PROMENADE

Project Number

122.0076.202

Description

ELECTRICAL - AREA 2C - SCHEDULES

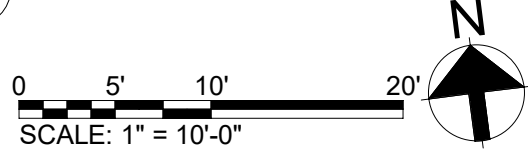
Scale

12" = 1'-0"

E0.11



1 2C - FULL BUILD - DEMOLITION PLAN - PROMENADE



SHEET NOTES

1. REFER TO CIVIL AND ARCHITECTURAL DRAWINGS FOR EXISTING ELECTRICAL INFRASTRUCTURE LOCATIONS AND ADDITIONAL INFORMATION REGARDING SCOPE OF DEMOLITION.
2. CONTRACTOR SHALL COMPLETE SITE INVESTIGATION FOR ALL AREAS AFFECTED BY REMOVAL AND RELOCATION OF EXISTING LIGHTING AND ELECTRICAL DEVICES. OBTAIN AND STUDY AS-BUILT DRAWINGS FOR THIS AREA AND TRACE ALL EXISTING LIGHTING CIRCUITS BACK TO THE SOURCE.
3. CONTRACTOR SHALL PROVIDE SINGLE LINE DIAGRAM OF EXISTING EQUIPMENT TO BE DEMOLISHED TO CPS AFTER TRACING OF ALL EXISTING CIRCUITS ARE COMPLETE.
4. ALL ELECTRICAL PANELS, LIGHTING AND ELECTRICAL DEVICES THAT ARE NOT LOCATED WITHIN THE LIMITS OF WORK FOR THIS PHASE AND FED FROM THE DEMOLISHED ELECTRICAL EQUIPMENT SHALL BE RECONNECTED TO TEMPORARY GENERATOR AS NEEDED AND CONNECT TO NEW SERVICE EQUIPMENT AFTER INSTALLATION. PROVIDE ALL NECESSARY UNDERGROUND CONDUITS AND PULL BOXES TO EXTEND EXISTING CIRCUITS AS REQUIRED.
5. DISCONNECT AND REMOVE ELECTRICAL PANELS, TRANSFORMERS, ASSOCIATED FEEDERS AND BRANCH CIRCUITS THAT ARE LOCATED WITHIN DEMOLITION SCOPE OF AREA. IF APPLICABLE, STORE ELECTRICAL EQUIPMENT AS DIRECTED BY THE OWNER.

KEY NOTES

1. ADD-ALT DEMOLITION AREA. COORDINATE DEMOLITION PLANS WITH LANDSCAPE FOR BASE BUILT AND ADD ALT SCOPE.

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	03/02/2023	50% DESIGN DEVELOPMENT
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	06/19/2024	ISSUE FOR CONSTRUCTION

Project Name

ALAMO SITE - AREA 2C -
PROMENADE

Project Number

122.0076.202

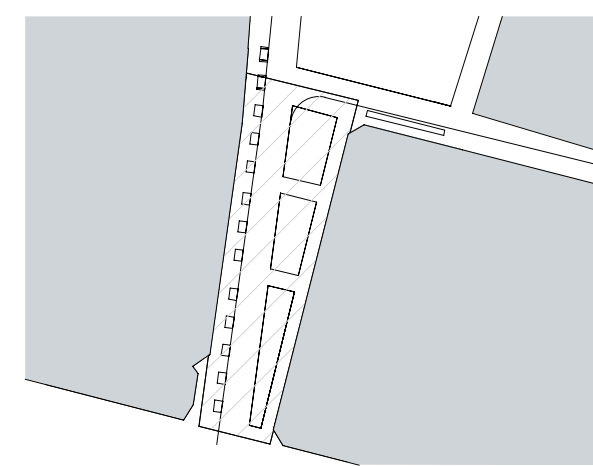
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ELECTRICAL - AREA 2C - DEMOLITION
PLAN - PROMENADE

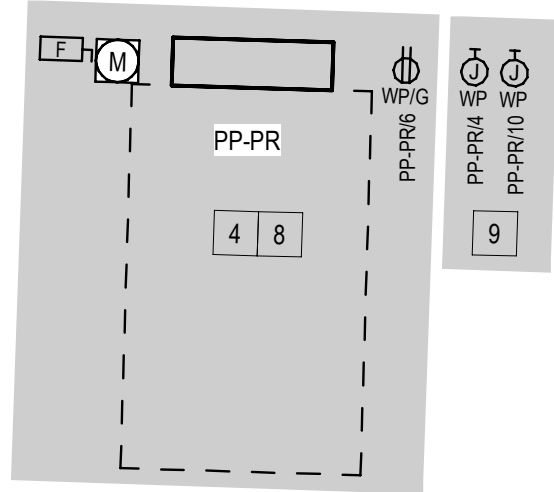
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KEY PLAN

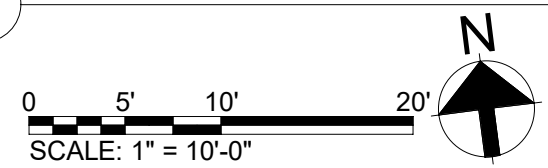


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2 2C FULL BUILD - POWER PLAN - PROMENADE - ENCLOSURE
1/2" = 1'-0"

1 2C FULL BUILD - POWER PLAN - PROMENADE



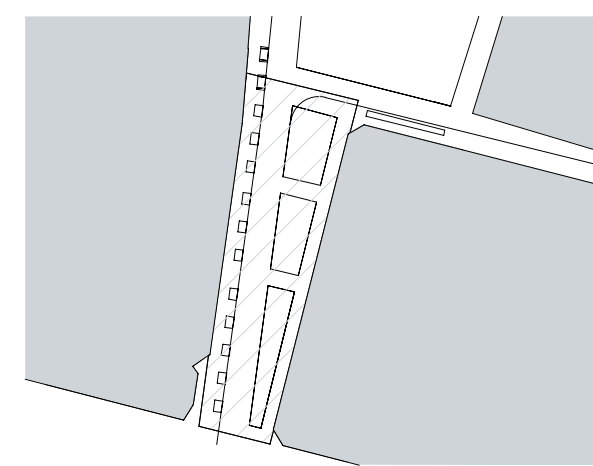
SHEET NOTES

1. REFER TO LANDSCAPE ARCHITECT DRAWINGS FOR EXACT LOCATIONS, MOUNTING AND SUPPORT REQUIREMENT OF ALL DEVICES AND LIGHTING FIXTURES PRIOR TO INSTALLATION.
2. COORDINATE LIGHTING FIXTURE WITH SPECIFICATION 265600 - SITE LIGHTING.
3. WHERE REQUIRED ALL SPLICING TO BE DONE IN THE PULL BOX. CONTRACTOR TO PROVIDE WATERPROOF SPLICING KIT.
4. ALL FIXTURES AND DEVICES THAT ARE SHOWN IN PINK AND/OR LABELLED WITH 'A' ARE PART OF ADD-ALT DESIGN.
5. COORDINATE WITH ARCHITECTURAL AND LANDSCAPE DRAWINGS FOR BASE BUILD AND ADD-ALT SCOPE OF WORKS

KEY NOTES

1. PROVIDE WEATHERPROOF GFCI RECEPTACLE INTEGRATED INTO BENCH RECEPTACLE TO HAVE A LOCKED IN USE COVER. DETAILS OF EXACT ELEVATION AND RECEPTACLE MOUNTING TO BE COORDINATED WITH LANDSCAPE DRAWINGS.
2. CONTRACTOR TO SITE VERIFY IF EXISTING HANDHOLE NEAR THIS LOCATION CAN BE REUSED TO AVOID INSTALLING A NEW HANDHOLE.
3. PROPOSED LOCATION FOR VEHICLE ACCESS CONTROL PANEL. COORDINATE EXACT LOCATION WITH ARCHITECT. FURNISH AND INSTALL 208V 3PH POWER TO SERVE SYSTEM. COORDINATE EXACT REQUIREMENTS WITH SECURITY CONTRACTOR INCLUDING EMERGENCY VEHICLE ACCESS OVERRIDE. CONFIRM EXACT ELECTRICAL REQUIREMENTS WITH SELECTED EQUIPMENT. LOCAL DISCONNECT MAY BE OMITTED IF DISCONNECTING MEANS IS INTEGRAL TO THE CONTROL PANEL.
4. NEW SERVICE IN A NEMA-3R CUSTOM BUILD PEDESTAL ENCLOSURE. COORDINATE LOCATION AND REQUIREMENTS BETWEEN TRADES PRIOR TO ROUGH-IN. ENCLOSURE TO HAVE NEC CLEARANCES. ENCLOSURE TO HOUSE LIGHTING CONTROL DEVICES FOR A001.2 AND A002.3 LIGHT FIXTURES. COORDINATE SPECIAL REQUIREMENTS WITH CASAMBI CONTROLS.
5. APPROXIMATE LOCATION OF AV CABINET. COORDINATE WITH TELECOMS DRAWINGS.
6. RECEPTACLE WITH WEATHERPROOF COVER SHALL BE MOUNTED ON POLE. COORDINATE MOUNTING REQUIREMENT AND LOCATION BETWEEN TRADES.
7. HANDHOLE FOR SPLICING CIRCUITS. EXACT LOCATION TO BE COORDINATED WITH ALL OTHER TRADES DRAWINGS PRIOR TO INSTALLATION.
8. GFCI RECEPTACLE TO BE PROVIDED WITHIN THE CUSTOM ENCLOSURE. SUFFICIENT LIGHTING TO BE PROVIDED WITHIN ON THE ENCLOSURE FOR SAFE MAINTENANCE OF EQUIPMENT WITHIN.
9. (2) HARDWIRED J-BOXES FOR CASAMBI CONTROLS TO BE EXTERNALLY MOUNTED TO ELECTRICAL ENCLOSURE.
10. SINGLE PHASE JUNCTION BOX FOR HPU CONTROL CIRCUIT.
11. LOCAL DISCONNECT IS NOT PROVIDED BUT LOCK-OUT/TAG-OUT OPTION IS PROVIDED AT THE BREAKER WITH LOCKABLE IN OPEN POSITION. COORDINATE REQUIREMENT WITH BARRIER ARM VENDOR FOR FINAL PRODUCT SELECTED.

KEY PLAN



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Project Name

ALAMO SITE - AREA 2C -
PROMENADE

Project Number

122.0076.202

Description

ELECTRICAL - AREA 2C - ELECTRICAL
PLAN - PROMENADE

Scale

As indicated

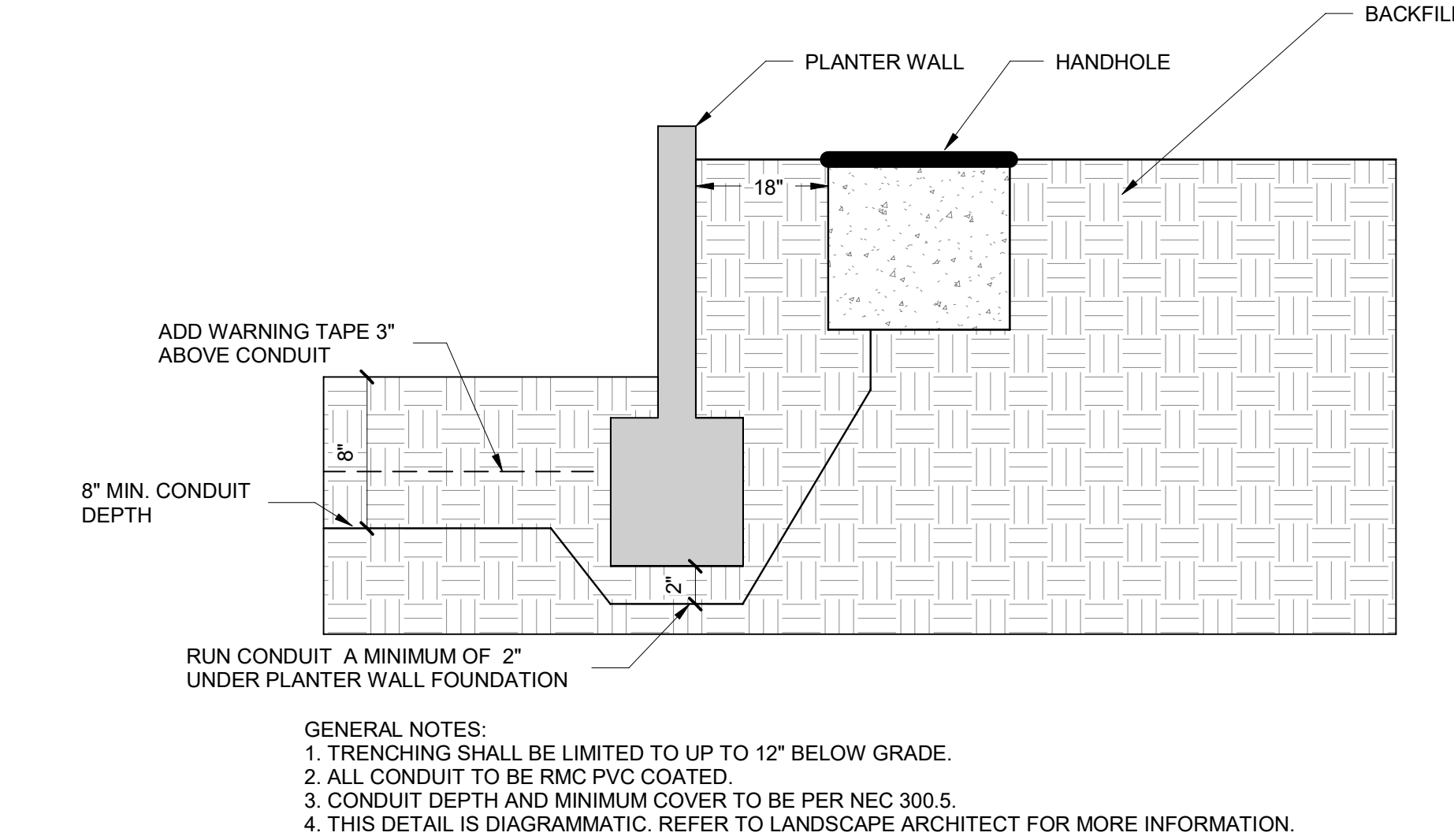
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COPPER FEEDER SCHEDULE							
TAG	MAXIMUM CONDUCTOR AMPACITY (A)	NUMBER OF SETS	MINIMUM CONDUCTOR SIZE (AWG/KCMIL)	MINIMUM GROUNDING SIZE	MINIMUM CONDUIT SIZE (INCLUDES 1 GND)		
					2W	3W	4W
20	20	1	#12	#12	3/4"	3/4"	3/4"
30	30	1	#10	#10	3/4"	3/4"	3/4"
40	40	1	#8	#10	1"	1"	1"
50	55	1	#6	#10	1-1/4"	1-1/4"	1-1/4"
70	70	1	#4	#5	1-1/4"	1-1/4"	1-1/2"
80	85	1	#3	#5	1-1/4"	1-1/2"	1-1/2"
90	95	1	#2	#6	1-1/2"	1-1/2"	1-1/2"
100	110	1	#1	#6	1-1/2"	1-1/2"	2"
125	150	1	#1/2	#5	2"	2"	2"
150	150	1	#1/2	#5	2"	2"	2"
175	175	1	#2/3	#5	2"	2"	2-1/2"
200	200	1	#3/4	#6	2"	2-1/2"	2-1/2"
225	230	1	#4/5	#4	2-1/2"	2-1/2"	2-1/2"
250	285	1	350 kcmil	#4	3-1/2"	3-1/2"	4"
300	310	1	500 kcmil	#4	3-1/2"	3-1/2"	4"
350	380	1	500 kcmil	#3	4"	4"	4"
400	420	1	600 kcmil	#3	4"	4"	4"
450	460	2	#4/5	#2	2-1/2"	2-1/2"	2-1/2"
500	510	2	250 kcmil	#2	3"	3"	3-1/2"
600	620	2	350 kcmil	#1	3"	3"	3"
700	760	2	500 kcmil	#1/2	4"	4"	4"
800	840	2	600 kcmil	#1/2	4"	4"	4"
1000	1140	3	500 kcmil	#2/3	4"	4"	4"
1200	1260	3	600 kcmil	#3/4	4"	4"	4"
1600	1680	4	600 kcmil	#4/5	4"	4"	4"
2000	2280	6	500 kcmil	250 kcmil	4"	4"	4"
2500	2520	6	600 kcmil	350 kcmil	4"	4"	4"
3000	3040	8	500 kcmil	400 kcmil	4"	4"	4"
4000	4200	10	600 kcmil	500 kcmil	4"	4"	4"
5000	5040	12	600 kcmil	600 kcmil	4"	4"	4"

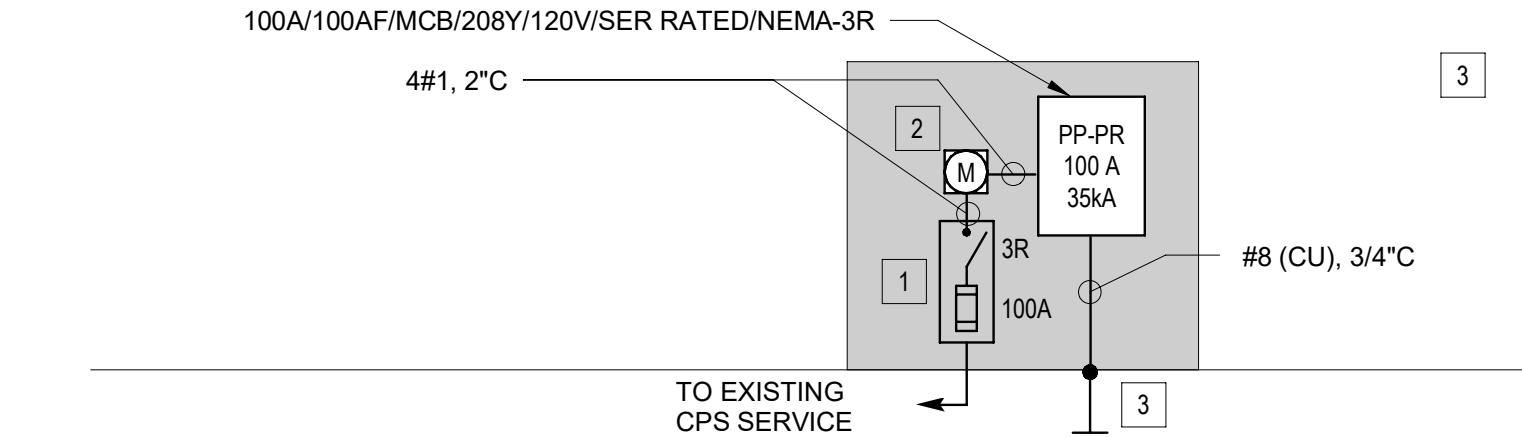
- GENERAL NOTES:
- A. WIRING SHALL BE PROVIDED IN ACCORDANCE WITH THE NEC, UNLESS LARGER SIZES ARE SHOWN TO ACCOMMODATE FUTURE LOADS OR VOLTAGE DROP.
- B. GROUND CONDUCTORS ARE REQUIRED IN ALL FEEDER CONDUITS.
- C. FEEDERS ARE 4 WIRE (WU/L/N).
- D. ALL LOW VOLTAGE (800V) WIRES TO BE THINER THAN UNLESS OTHERWISE INDICATED IN THE DRAWINGS OR SPECIFICATIONS.
- F. 2W INDICATES 2 WIRE FEEDER PLUS EGC.
- G. 3W INDICATES 3 WIRE FEEDER PLUS EGC.
- H. 4W INDICATES 4 WIRE FEEDER PLUS EGC.

PANEL: PP-PR													
LOCATION: CPS				VOLTS: 120/208 Wye				A.I.C. RATING: 3000					
MOUNTING: SURFACE				PHASE: 3				BUS RATING: 100 A					
ENCLOSURE: NEMA 3R				WIRE: 4				MAIN CB: 100 A					
OKT	CIRCUIT DESCRIPTION	LC	TRIP	POLES	A	B	C	POLES	TRIP	LC	CIRCUIT DESCRIPTION	OKT	
1	TREE LIGHTING (A)	Lighting	20 A	1	104 VA	226 VA		1	20 A	Lighting	TREE LIGHTING (A)	2	
3	TREE LIGHTING	Lighting	20 A	1		184 VA	1620 VA		1	20 A	Power	LTG POWER SUPPLY DRIVER	4
5	APQ2 2 POLE LTG (A)	Lighting	20 A	1			144 VA	180 VA	1	20 A	Power	CONVENIENT OUTLET	6
7	Spare	--	20 A	1	0 VA	216 VA			1	20 A	Lighting	APQ2 2 POLE LTG	8
9	Spare	--	20 A	1			500 VA		1	20 A	Power	LTG CONTROL PNL	10
11	UNDER BENCH RECPTS (A)	Power	20 A	1			500 VA	0 VA	1	20 A	--	Spare	12
13	UNDER BENCH RECPTS (A)	Power	20 A	1	500 VA	200 VA			1	20 A	Power	BARRIER MOTOR ARM*	14
15	UNDER BENCH RECPTS (A)	Power	20 A	1			500 VA	0 VA	1	20 A	--	Spare	16
17	UNDER BENCH RECPTS (A)	Power	20 A	1			500 VA	0 VA	1	20 A	--	Spare	18
19	VEHICULAR ACCESS POINT	Motor	30 A	3	1664 VA	500 VA			1	20 A	Power	GFCI POLE RECEPTACLE	20
21	--	--	--	--			1664 VA	500 VA	1	20 A	Power	GFCI POLE RECEPTACLE	22
23	--	--	--	--				500 VA	1	20 A	Power	GFCI POLE RECEPTACLE	24
25	HPU CONTROL PANEL	Power	20 A	1	500 VA	500 VA			1	20 A	Power	GFCI POLE RECEPTACLE	26
27	Spare	--	20 A	1			0 VA	500 VA	1	20 A	Power	GFCI POLE RECEPTACLE	28
29	Spare	--	20 A	1				500 VA	1	20 A	Power	GFCI POLE RECEPTACLE	30
31	Spare	--	20 A	1	0 VA	--			1	--	--	Space	32
33	Spare	--	20 A	1			0 VA	--	1	--	--	Space	34
35	Spare	--	20 A	1				0 VA	1	--	--	Space	36
37	SPD	--	30 A	3	0 VA	--			1	--	--	Space	38
39	--	--	--	--			0 VA	--	1	--	--	Space	40
41	--	--	--	--				0 VA	1	--	--	Space	42
TOTAL LOAD:					4410 VA	5468 VA							
TOTAL AMPS:					37 A	46 A							
CONNECTED LOAD					674 VA	125.00%							
DEMAND FACTOR					4992 VA	125.00%							
ESTIMATED DEMAND					8000 VA	100.00%							
PANEL TOTALS													
TOTAL CONN. LOAD:					13866 VA								
TOTAL EST. DEMAND:					15333 VA								
TOTAL CONN. - 18 A													
TOTAL EST. DEMAND:					43 A								
NOTES:													
(A) TAG & PINK TEXT REPRESENT ADD-ALT DESIGN.													
*LOOK-OUT TAG-OUT PROCEDURE PER NEC 110 TO BE PROVIDED FOR THIS BREAKER. BREAKER TO BE LOCKABLE IN OPEN POSITION.													

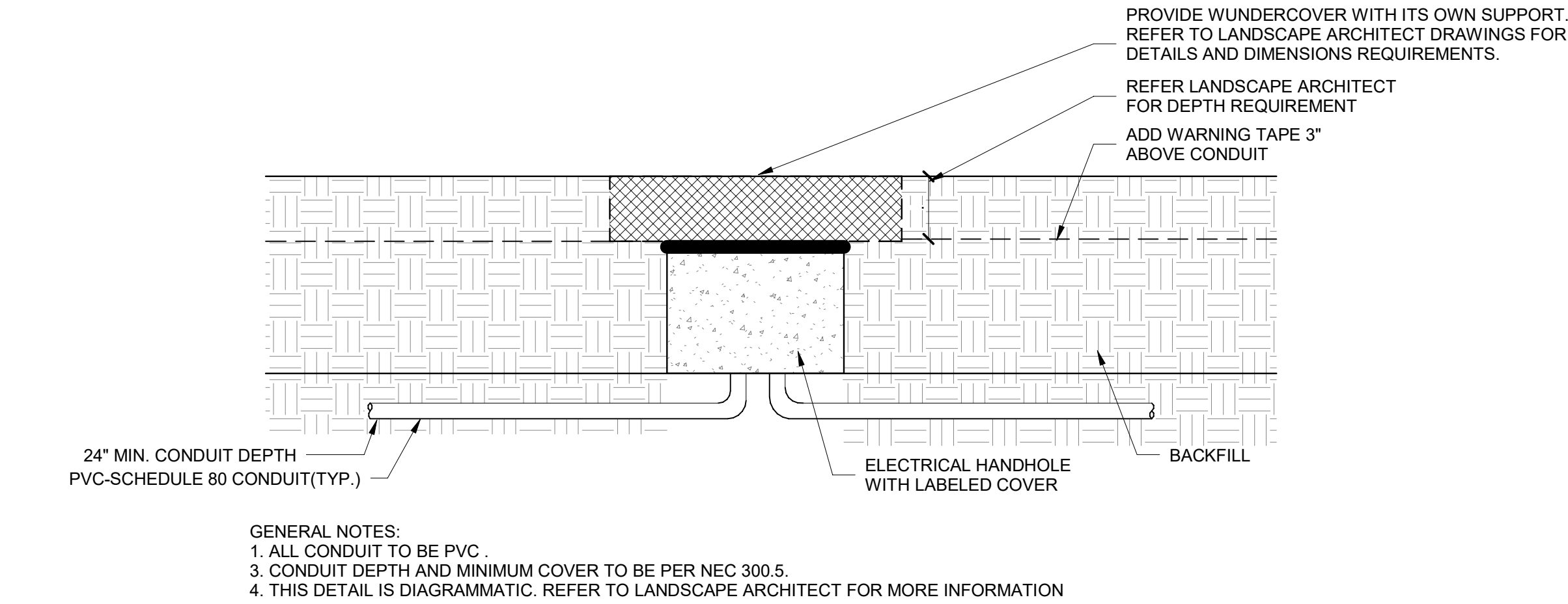
5 TYPICAL CONDUIT ROUTING AND HANDHOLE DETAIL - PLANTERS



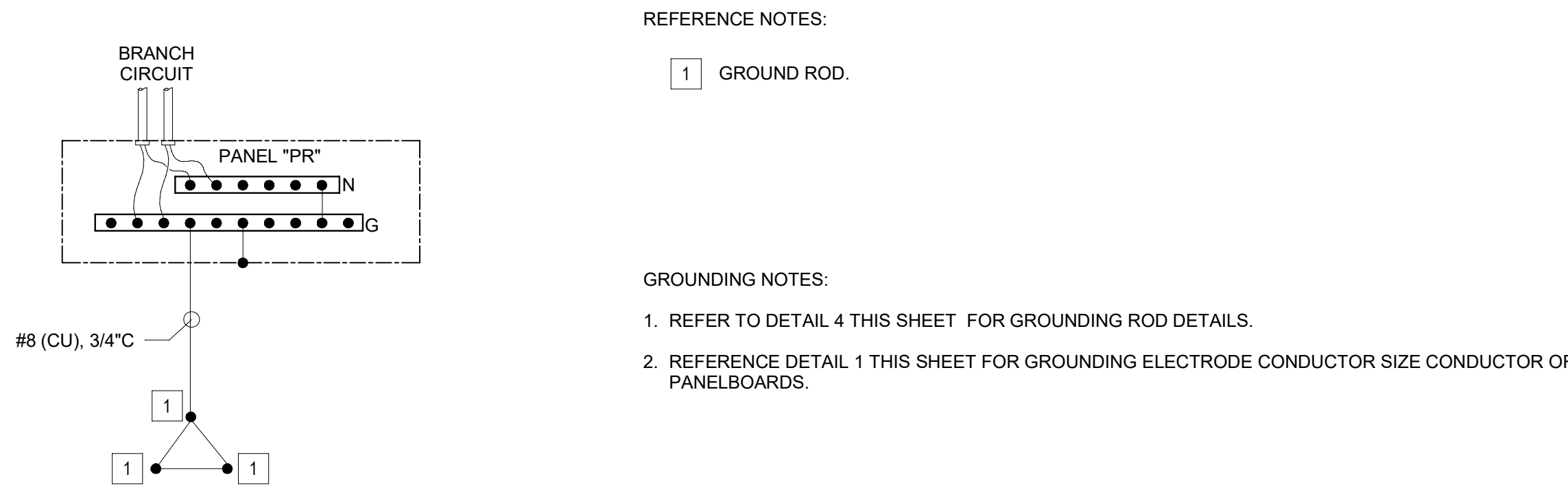
1 SINGLE LINE DIAGRAM - PROMENADE



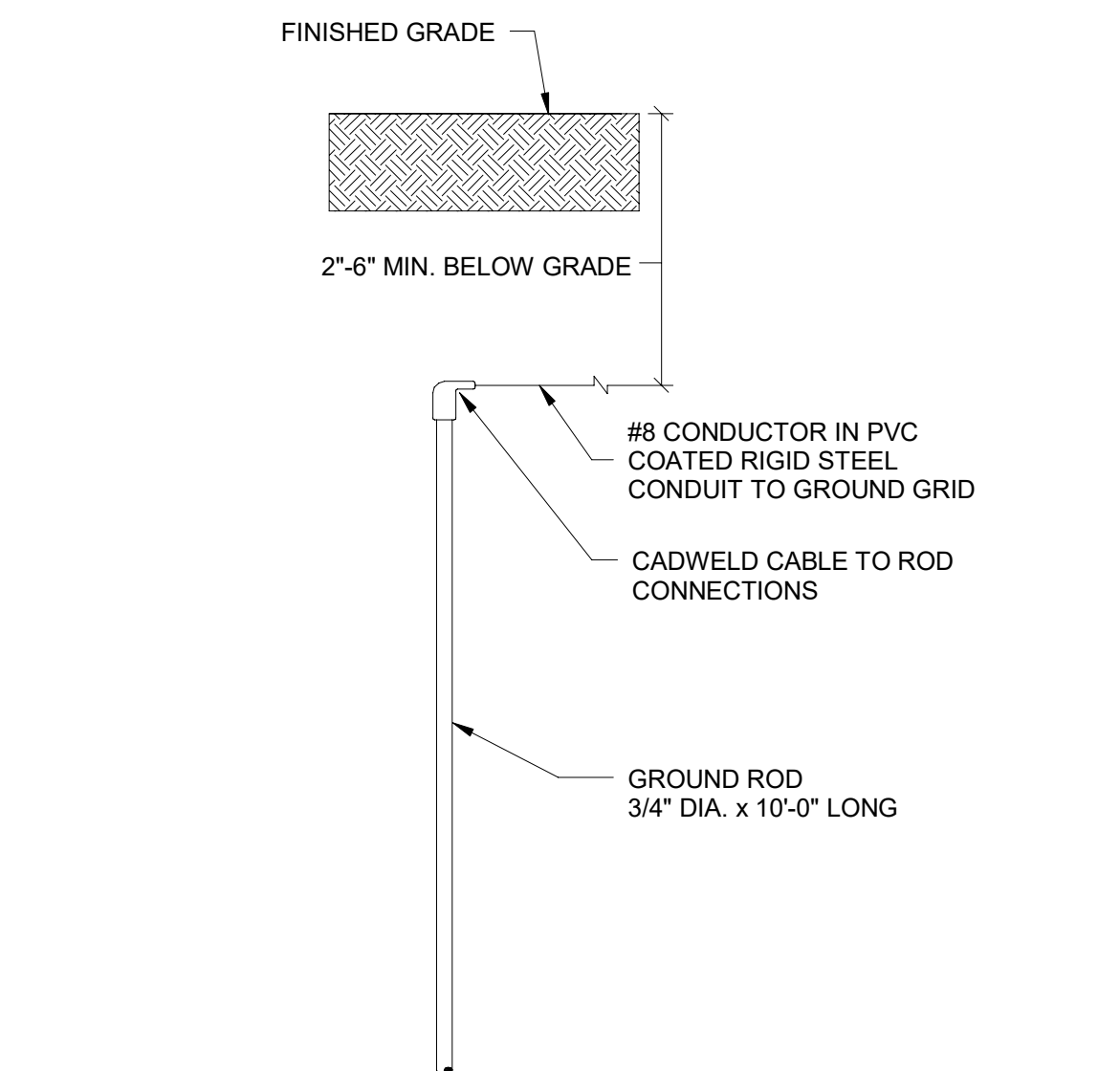
2 TYPICAL CONDUIT ROUTING AND HANDHOLE DETAIL - PAVERS



3 ELECTRICAL GROUNDING DETAIL



4 GROUNDING ROD DETAIL



SHEET NOTES

1. ALL WIRE SIZES BASED ON COPPER CONDUCTORS WITH 60C RATED INSULATION UON. REFERENCE FEEDER SCHEDULE FOR CONDUIT AND WIRE SIZING.

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Project Name

ALAMO SITE - AREA 2C -
PROMENADE

Project Number

122.0076.202

Description

ELECTRICAL - AREA 2C - DIAGRAMS,
PART PLANS

Scale

As indicated

E5.01

GENERAL NOTES

GENERAL CONTRACTOR/CONSTRUCTION MANAGER NOTES:

1.) GENERAL CONTRACTOR/CONSTRUCTION MANAGER IS RESPONSIBLE TO ENSURE THAT ALL DIVISIONS AND TRADES ARE AWARE OF WORK REQUIRED TO SUPPORT THE INSTALLATION OF RELATED SYSTEMS AND SUB-SYSTEMS. CONTRACTORS ARE RESPONSIBLE TO REVIEW ALL RELATED SPECIFICATIONS AND DRAWINGS.

2.) CONDUITS SHOWN ON COMMUNICATIONS DRAWINGS ARE FOR COORDINATION. ELECTRICAL DRAWINGS AND SPECIFICATIONS. COORDINATE ROUTE WITH ELECTRICAL DRAWINGS IN AN EFFORT TO MINIMIZE TRENCHING

ELECTRICAL CONTRACTOR NOTES:

1.) THE ELECTRICAL CONTRACTOR SHALL FURNISH AND PROVIDE THE FOLLOWING FOR COMMUNICATIONS CABLING: CONDUITS, PULL BOXES AND/OR HANDHOLES. REFER TO THE ELECTRICAL AND COMMUNICATIONS DETAIL DRAWINGS.

A.) STANDARD DATA FOR POLE MOUNTED DEVICE SHALL BE A 1-PORT SERVICE MOUNTED BOX FOR EACH DATA CABLE INSTALLED.

B.) DATA SERVICE NOT ON POLE SHALL BE HOUSED IN A WEATHERPROOF RATED BOX TERMINATED ON A 1-PORT SURFACE MOUNTED BOX WITH A 1" CONDUIT TO THE NEAREST PULL BOX OR TELECOM CABINET.

C.) FLOOR BOXES FOR DATA AND POWER SHALL HAVE ONE(1) 1"Ø CONDUIT AND A ONE(1) 1"Ø CONDUIT UP THE POLE FOR EACH DEVICE PROVIDED FOR COMMUNICATIONS IN ADDITION TO POWER REQUIREMENTS.

2.) CONTRACTOR SHALL PROVIDE RACEWAY INSTALLATION IN A MANNER THAT WILL PROTECT ALL DATA CABLING FROM MECHANICAL DAMAGE. ROUTE CONDUIT IN THE MOST DIRECT PATH POSSIBLE TO ALLEViate THE AMOUNT OF BENDS IN AN EFFORT TO AVOID ADDING PULL BOXES.

3.) CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND COMMUNICATIONS TRADE ON CONDUIT ROUTING FOR COMMUNICATIONS CABLES PRIOR TO INSTALLATION OF PATHWAYS TO ENSURE CABLE PATHWAYS DO NOT CAUSE CABLE LENGTHS TO EXCEED MAXIMUM DISTANCES.

4.) CONTRACTOR SHALL INSTALL A TIED OFF NYLON PULL STRING IN ALL CONDUITS.

5.) CONDUITS SHALL NOT EXCEED 180° OF BENDS BETWEEN PULL POINTS. INSTALL PERMANENTLY ACCESSIBLE PULL BOXES AS REQUIRED TO MEET THIS REQUIREMENT. DO NOT CHANGE DIRECTION OR BEND WITHIN A JUNCTION BOX OR PULL BOX.

6.) GROUNDING AND BONDING:

A.) BUILDING GROUNDING SYSTEM BY ELECTRICAL CONTRACTOR.

B.) ALL PATHWAYS INSTALLED FOR COMMUNICATIONS SHALL BE BONDED TO COMMUNICATION GROUND BUS BARS.

C.) REFER TO ELECTRICAL SERIES DRAWINGS AND SPECIFICATIONS FOR OTHER COMMUNICATION GROUNDING REQUIREMENTS AND INFO ON INSTALLATION OF MATERIALS AND HARDWARE.

D.) BUS BARS SHALL BE PRE-DRILLED WITH STANDARD NEMA BOLT HOLE SIZING & SPACING FOR CONNECTIONS OF THE BONDING CONDUCTORS TO THE BUSBAR.

COMMUNICATION NOTES

1.) THE TELECOMMUNICATIONS CONTRACTOR SHALL REVIEW ALL CONSTRUCTION DOCUMENTS FOR RELATED SECTIONS, WHICH MAKE UP THE CONTRACT DOCUMENTS AND SHALL COORDINATE ALL COMMUNICATIONS WORK ON THE COMMUNICATIONS PLANS WITH ANY COMMUNICATIONS SECTIONS OF RELATED DRAWINGS AND SPECIFICATIONS.

A.) STRUCTURED CABLING REQUIREMENTS FOR THE PROJECT ARE THE RESPONSIBILITY OF THE COMMUNICATIONS CABLING CONTRACTOR UNLESS OTHERWISE NOTED. COORDINATE WITH ALL TRADES THAT APPLY.

2.) TELECOMMUNICATIONS CONTRACTOR, CABLING CONTRACTOR, OR COMMUNICATIONS CONTRACTOR SHALL HERE AFTER BE REFERRED TO AS CONTRACTOR UNLESS OTHERWISE NOTED.

3.) CONTRACTOR SHALL PROVIDE ALL MATERIALS, COMPONENTS, TOOLS, AND LABOR NECESSARY TO COMPLETE THIS INFRASTRUCTURE INSTALLATION.

4.) ALL COMMUNICATIONS CABLING PATHWAYS OUTSIDE OF COMMUNICATIONS ROOMS BY ELECTRICAL CONTRACTOR.

COMMUNICATIONS CABLING:

1.) PROVIDE ALL NECESSARY MEANS TO PROTECT ALL COPPER/FIBER CABLING AND JACK/PORTS FROM MECHANICAL DAMAGE AND DUST DURING CONSTRUCTION.

2.) CABLING CONTRACTOR SHALL CONFIRM ALL CABLE LENGTHS PRIOR TO BID AND ROUGH-IN

GROUNDING AND BONDING:

1.) CONTRACTOR SHALL BOND ALL METALLIC COMPONENTS TO BUSBAR IN THE FOLLOWING MANNER:

A.) BOND/STRAP ALL LADDER RACKS TO ADJACENT SECTIONS WITH A STRANDED BONDING COPPER CONDUCTOR. INSTALL A BONDING CONDUCTOR FROM BUSBAR TO LADDER RACKS.

B.) BONDING SHALL BE IN AN APPROVED MANNER.

C.) DISSIMILAR METALS BONDED TO EACH OTHER AND APT TO CORRODE IN NORMAL ENVIRONMENTAL CONDITIONS SHALL BE SEPARATED BY A CONDUCTIVE MATERIAL SPACER TO PREVENT CORROSION. REFER TO SPECIFICATIONS FOR OTHER GROUNDING REQUIREMENTS.

FIRESTOPPING:

1.) COORDINATE ANY AND ALL FIRESTOPPING WITH THE GENERAL CONTRACTOR BEFORE PROCEEDING WITH ANY WORK INVOLVING FIRESTOPPING.

2.) ALL FIRESTOPPING SHALL CONFORM TO THE SPECIFICATIONS AND RECOMMENDATIONS OF THERMAL AND MOISTURE PROTECTION ON FIRESTOPPING OF THROUGH PENETRATION SYSTEMS IN THE CONSTRUCTION SPECIFICATIONS DOCUMENT.

3.) SOLUTIONS AND SHOP DRAWINGS/SUBMITTALS FOR FIRE STOP MATERIALS AND SYSTEMS SHALL BE PRESENTED TO THE GENERAL CONTRACTOR FOR WRITTEN APPROVAL OF MATERIAL & SYSTEMS PRIOR TO PURCHASE AND INSTALLATION. ALL MATERIALS AND SYSTEMS SHALL BE COMPLETE, UL LISTED FOR INTENDED INSTALLATION, AND PROVIDE APPROPRIATE RATING AT THE COMPLETION OF JOB.

4.) SEAL ALL PENETRATIONS THROUGH FIRE-RATED BARRIERS (CONDUITS, SLEEVES, SLOTS, CHASES) CREATED BY OR MADE FOR OR ON THE BEHALF OF THE TELECOMMUNICATIONS CONTRACTOR TO PREVENT THE PASSAGE OF SMOKE, FIRE, TOXIC GAS, OR WATER THROUGH PENETRATIONS.

LEGEND

DATA INFORMATION OUTLET. NUMBER(#) DENOTES QUANTITY OF CABLES.

ABBREVIATIONS

BAS: BUILDING AUTOMATION SYSTEM

BET: BUILDING ENTRANCE TERMINAL

DIV 01: GENERAL REQUIREMENTS

DIV 07: THERMAL & MOISTURE PROTECTION

DIV 23: HEATING, VENTILATING, AND AIR-CONDITIONING

DIV 25: INTEGRATED AUTOMATION

DIV 26: ELECTRICAL

TR: TELECOMMUNICATIONS ROOM

ER: EQUIPMENT ROOM

TBB: TELECOM BONDING BACKBONE

TBC: TELECOM BONDING CONDUCTOR

SBB: SECONDARY BONDING BUSBAR

TMBC: TELECOM MAIN BONDING CONDUCTOR

PBB: PRIMARY BONDING BUSBAR

TMH: TELECOMMUNICATIONS MANHOLE

UTP: UNSHIELDED TWISTED PAIR

WAP: WIRELESS ACCESS POINT

SIM: SIMILAR

DRAWING LIST

T0.001 LEGEND AND NOTES - COMMUNICATIONS

T0.100 2C MAJOR PATHWAY SITE PLAN - COMMUNICATIONS

T0.110 FULL BUILD 2C MINOR PATHWAY - SITE PLAN - COMMUNICATIONS

T4.001 GENERAL DETAILS - COMMUNICATIONS

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△ Date	Description
06/19/2024	ISSUE FOR CONSTRUCTION

Project Name

ALAMO SITE - AREA 2C -
PROMENADE

Project Number

122.0076.202

Description

LEGEND AND NOTES -
COMMUNICATIONS

Scale

NO SCALE

T0.001

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Seal / Signature

Date Description

06/19/2024 ISSUE FOR CONSTRUCTION

GENERAL NOTES

- 1.) ALL OSP TELECOMMUNICATION CONDUITS SHALL BE SCHEDULE 40 OR SCHEDULE 80 RIGID NONMETALLIC CONDUIT, POLYVINYL CHLORIDE (PVC) AND MUST MEET THE REQUIREMENTS OF NEMA TC 6.
- 2.) ALL OSP CONDUITS AND INNER DUCT, USED AND SPARE, SHALL BE PLUGGED WITH WATERTIGHT PLUGS AT BOTH ENDS TO PREVENT THE INTRUSION OF WATER, GASES, AND RODENTS THROUGHOUT THE CONSTRUCTION PROJECT.
- 3.) ALL OSP CONDUITS SHALL HAVE PULL LINES RATED AT A MINIMUM OF 90 KG (200 LB.) PULLING TENSION INSTALLED.
- 4.) ALL OSP CONDUITS MUST BE TESTED WITH A MANDREL TO PROVE COMPLIANCE WITH THE SWEEP RADIUS REQUIREMENTS THROUGHOUT THE CONDUIT RUN WITHIN FIVE DAYS OF RELEASING THE CONDUIT FOR THE INSTALLATION OF CABLE. FOR PROOF CONDUIT IS DRY AND VOID OF ANY DEBRIS.
- 5.) ALL CAMPUS DISTRIBUTION MUST BE BURIED A MINIMUM OF 24 INCHES BELOW EXISTING GRADE.
- 6.) ALL COPPER CABLING SHALL BE OSP RATED AND WILL REQUIRE LIGHTNING PROTECTION.
- 7.) PROVIDE/INSTALL TWO (2) 3" 3--CELL FABRIC INNERDUCT IN ALL 4" CONDUITS AND ONE (1) 2", 3--CELL IN ALL 2" CONDUITS.

SHEET NOTES

- 1 6--STRANDS OF OSP RATED SINGLE MODE FIBER FROM THE GIFT SHOP MDF OUT TO EACH OUTDOOR TELECOM CABINET.
- 2 PROPOSED LOCATION OF EXTERIOR ENVIRONMENTALLY CONTROLLED EQUIPMENT TELECOM CABINET.
- 3 PULL BOX. (SIZE AS INDICATED)

LEGEND

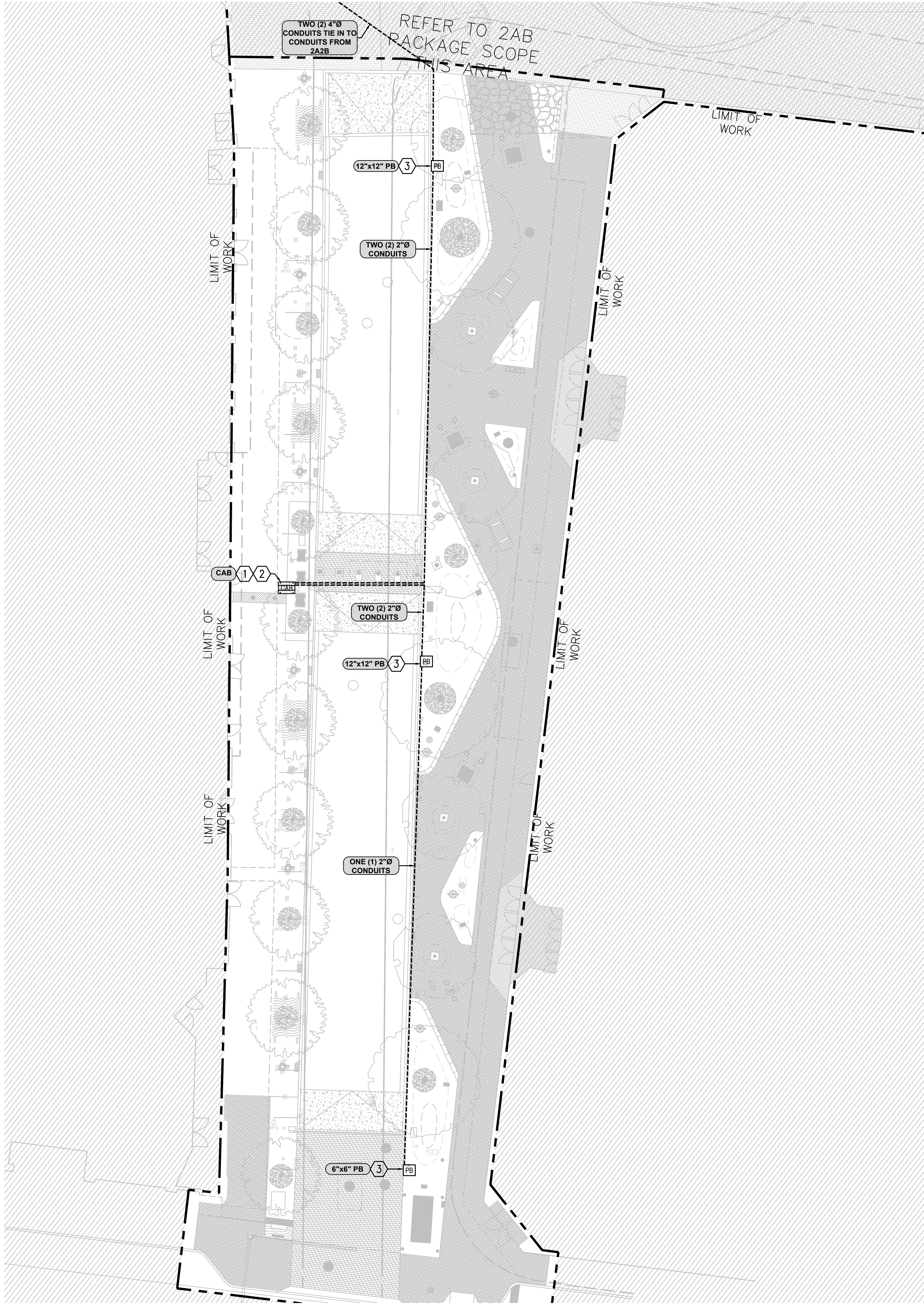
- TELECOM NETWORK CABINET.
- PULL BOX - 3' x 5' x 3'.

KEY PLAN

Project Name	ALAMO SITE - AREA 2C - PROMENADE
Project Number	122.0076.202
Description	2C MAJOR PATHWAY SITE PLAN - COMMUNICATIONS
Scale	1/32" = 1'-0"
Ref North	

T0.100

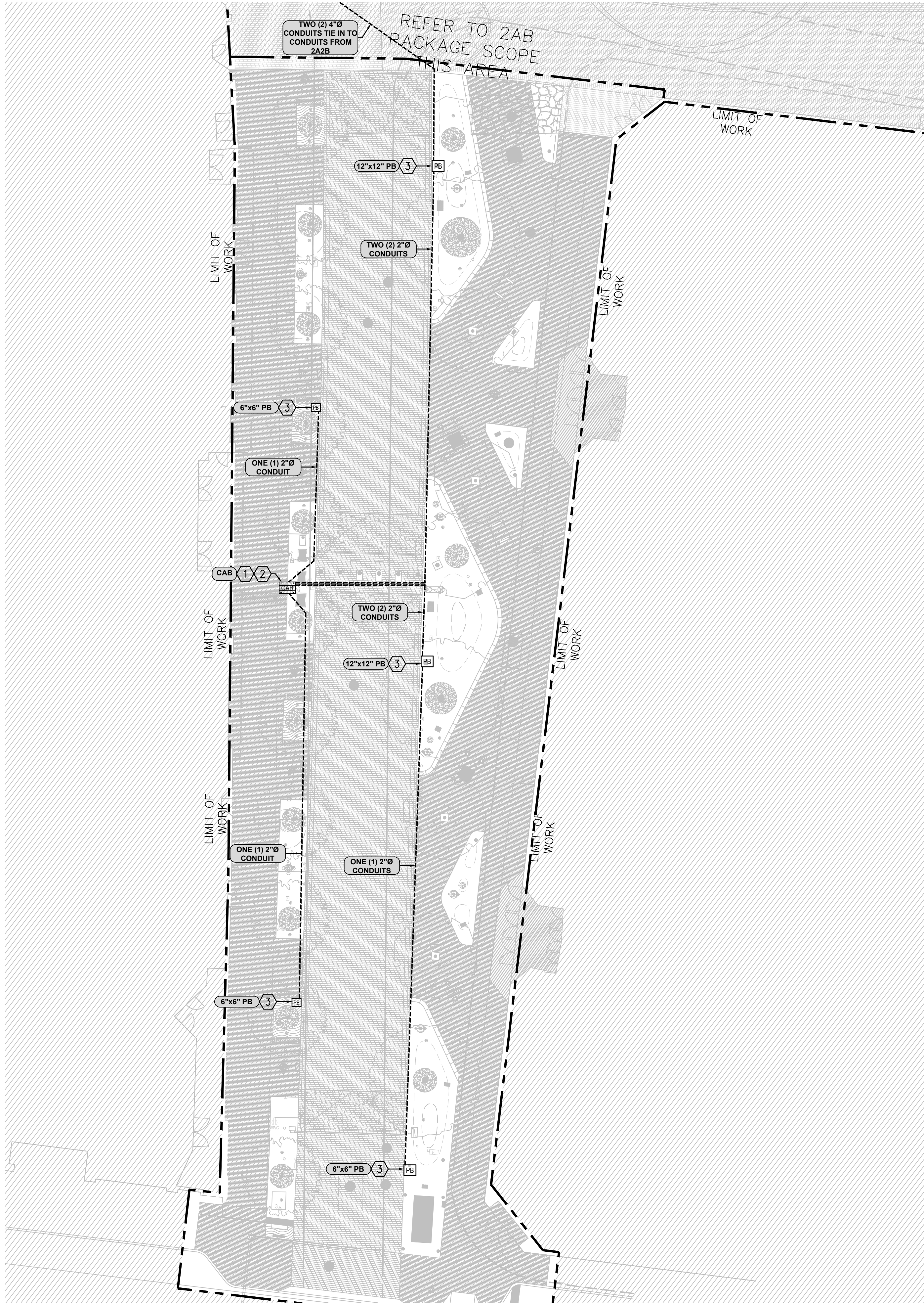
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1 2C MAJOR PATHWAY SITE PLAN - COMMUNICATIONS

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

REF: /



2 2C MAJOR PATHWAY SITE PLAN - ADD ALT - COMMUNICATIONS




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

REF: /

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-  TELECOM NETWORK CABINET.
-  PULL BOX - 3' X 5' X 3'.
-  LIGHT POLE.

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Seal / Signature

△ Date	Description
06/19/2024	ISSUE FOR CONSTRUCTION

Scale
1/16" = 1'-0" Ref North 

T0.110

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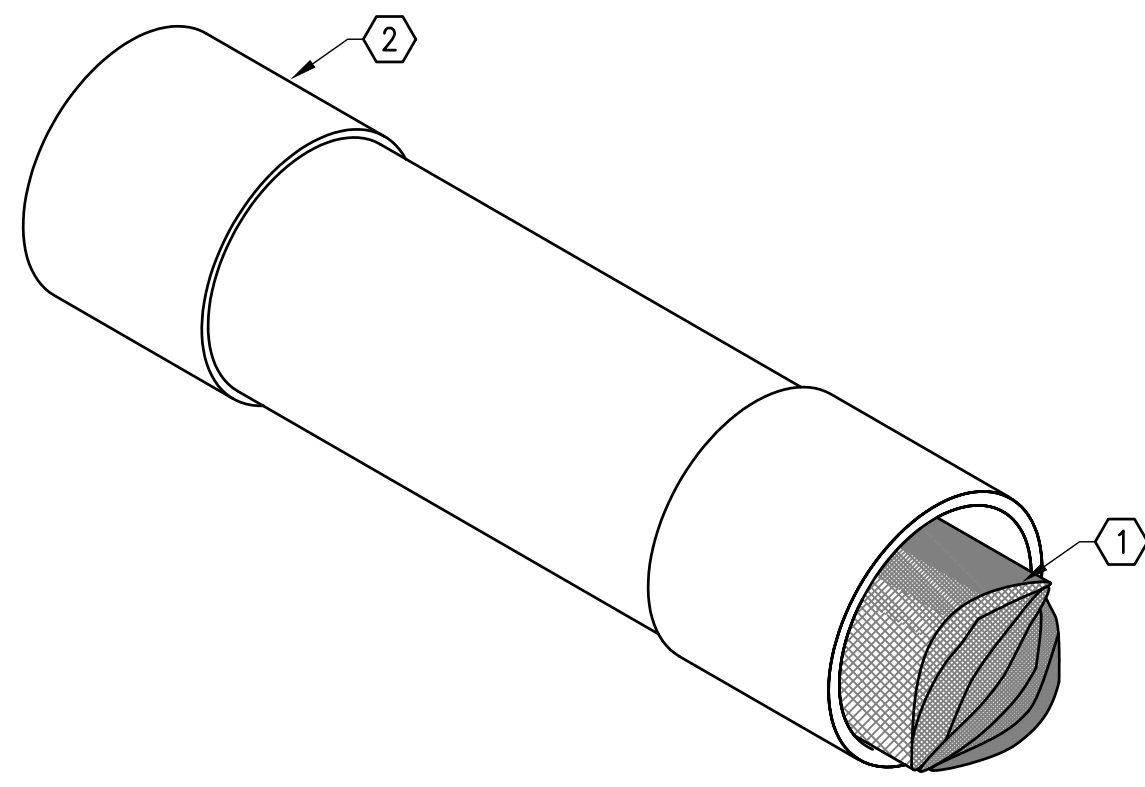
△ Date	Description
06/19/2024	ISSUE FOR CONSTRUCTION

Project Name
ALAMO SITE - AREA 2C - PROMENADE
Project Number
122.0076.202
Description
GENERAL DETAILS - COMMUNICATIONS
Scale
NO SCALE

T4.001

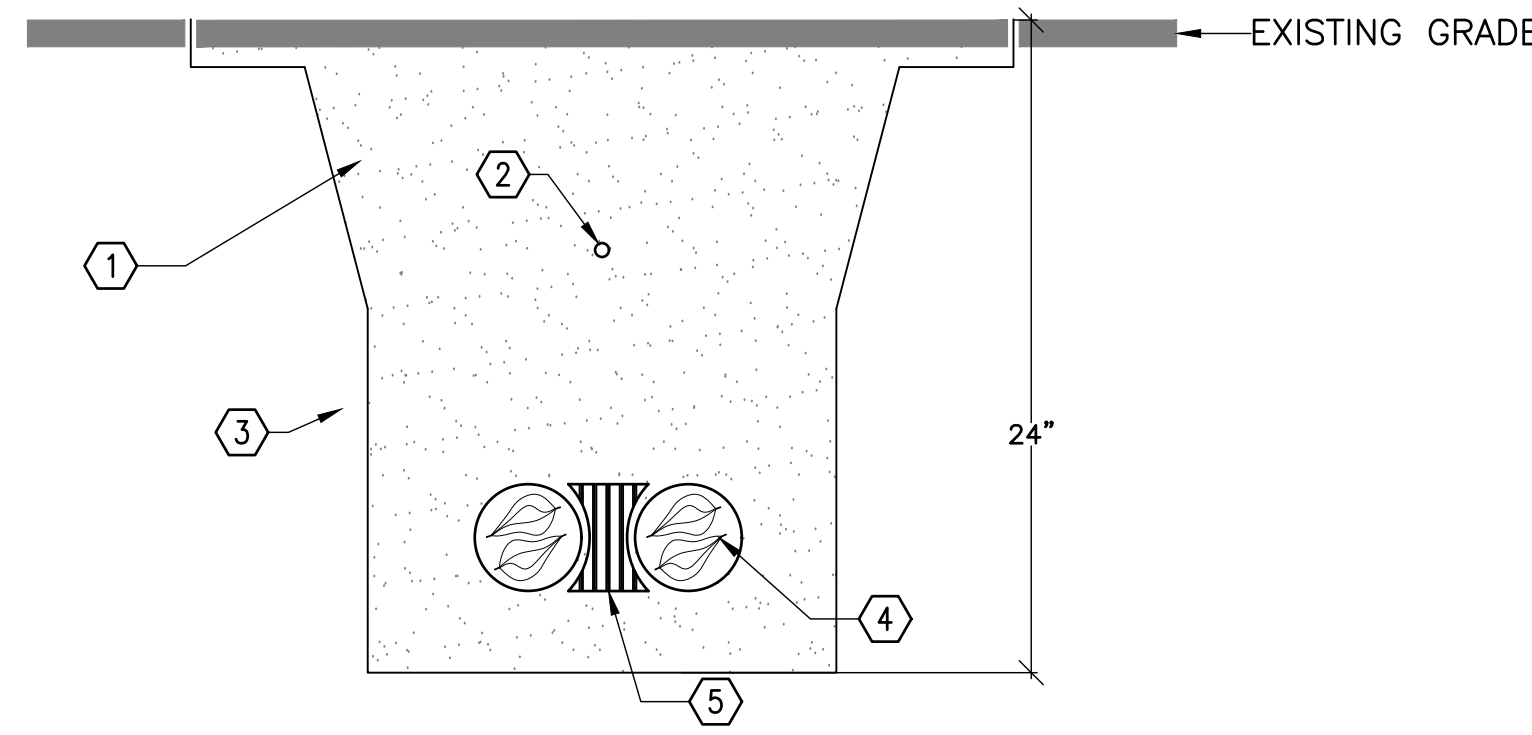
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- KEYED NOTES:
- ① MAXCELL FABRIC INNERDUCT PER CONDUIT:
1.) 2", 3-CELL FOR ALL 2" CONDUITS.
2.) 3", 3-CELL FOR ALL 4" CONDUITS.
- ② PLUG ALL CONDUITS AT BOTH ENDS WITH MAXCELL PLUGS (BY DIV. 26).



1 MAXCELL FABRIC INNERDUCT AND PLUG
Not to Scale

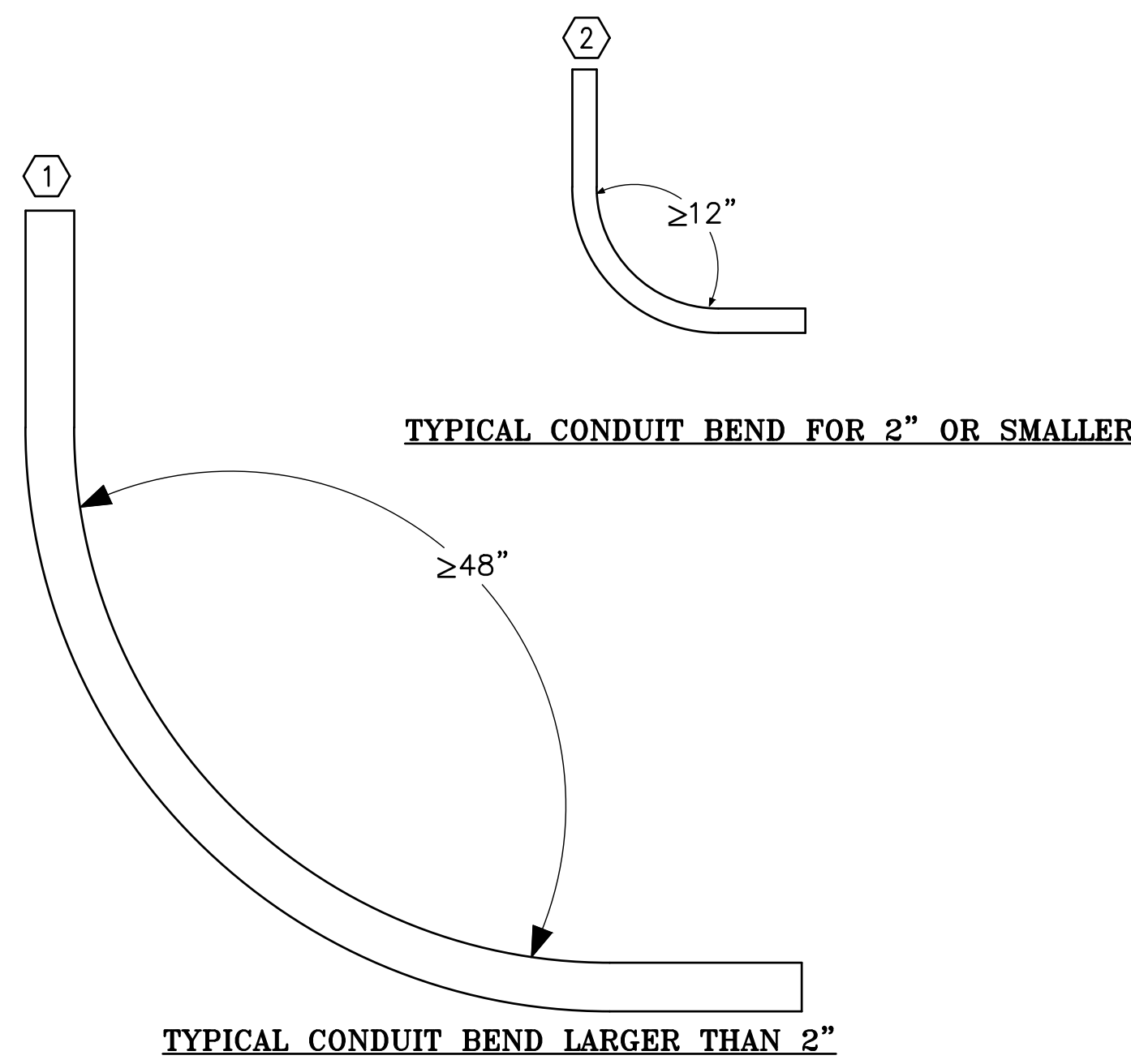
- | <u>KEYED NOTES:</u> | <u>GENERAL NOTES:</u> |
|---|---|
| ① REFERENCE CIVIL FOR TYPE/DETAIL OF COVER FILL. | 1.) PROVIDE HIGH IMPACT TYPE EB PVC CONDUIT. |
| ② ADD #2/0 AWG BARE STRANDED COPPER GROUND WIRE ALONG ENTIRE LENGTH OF DUCT BANK. | 2.) CONTRACTOR TO REQUEST TRAINING FROM MANUFACTURE ON INSTALLATION PROCEDURES FOR MAXCELL FABRIC INNERDUCT IF NOT FAMILIAR WITH PRODUCT. |
| ③ TRENCH. | 3.) COORDINATE WITH CIVIL FOR EXACT REQUIREMENTS REGARDING SURFACE WHILE TRENCHING. |
| ④ PVC CONDUIT WITH MAXCELL INNERDUCT. CONTRACTOR TO INSTALL PER MANUFACTURER'S RECOMMENDATIONS (TYP). | |
| ⑤ MIN. 2" PLASTIC STACK/SPACERS. | |



② TYPICAL CONSTRUCTION FOR TWO CONDUIT DUCT BANK
Not to Scale

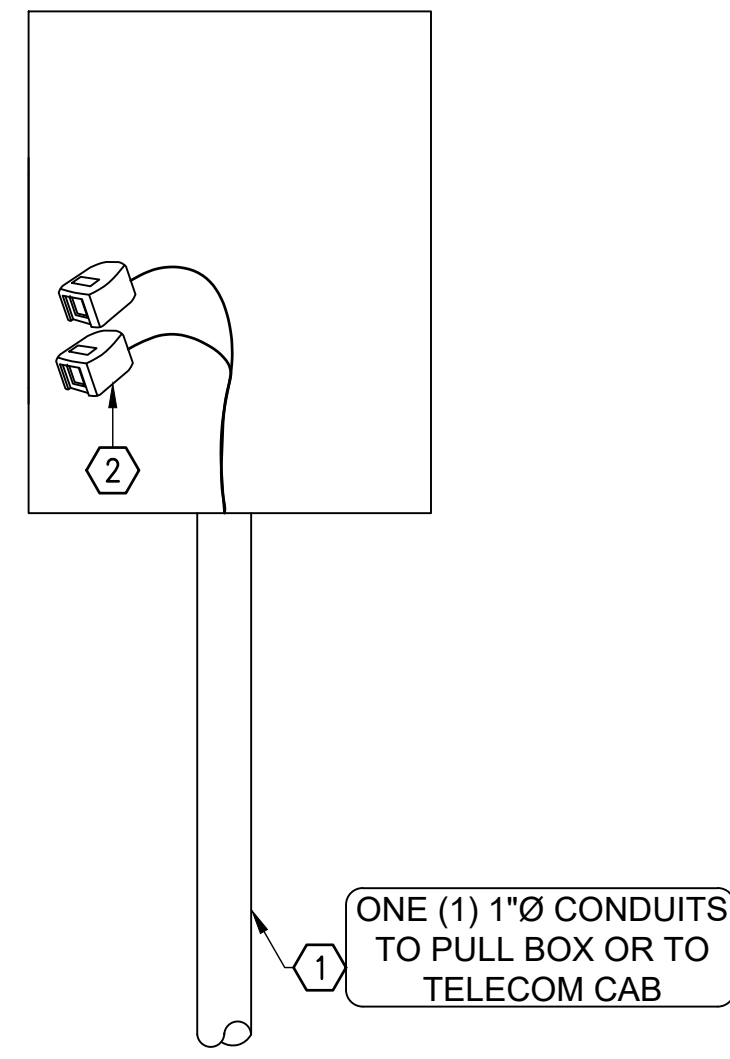
- ③ NOT USED
Not to Scale

- KEYED NOTES:**
- 1 ALL BENDS MUST BE LONG FACTORY SWEEPING BENDS WITH A RADIUS NOT LESS THAN 10 TIMES INTERNAL DIAMETER OF CONDUIT.
 - 2 ALL BENDS MUST BE SWEEPING BENDS WITH A RADIUS NOT LESS THAN 6 TIMES INTERNAL DIAMETER OF CONDUIT.



4 LONG RADIUS FACTORY SWEEPS
Not to Scale

- KEYED NOTES:
- ① CONDUIT WITH 200 LBS ¼" POLYLINE PULL STRING. (BY DIV 26)
- ② SURFACE MOUNT DATA PORT; SEE PLANS FOR QUANTITY.



5 SURFACE BOX POLE
Not to Scale

- ⑥ NOT USED
Not to Scale

7 NOT USED
Not to Scale

8 NOT USED
Not to Scale

- 9 NOT USED
Not to Scale