

DELTA LOGISTICS

9710 SW DAY RD.

WILSONVILLE, OR

PERMIT SET - MARCH 10, 2023



Architecture - Interiors
Planning - Engineering

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MACKENZIE
DESIGN-BUILDERS • CLIENT-FOCUSED

Client

Delta Logistics
9835 SW COMMERCE
CIRCLE
WILSONVILLE, OR
97070

Project

DELTA LOGISTICS
9710 SW DAY RD.
CITY OF
WILSONVILLE, OR

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SITE INFORMATION

ADDRESS: 9710 SW DAY RD.
CITY OF WILSONVILLE, OR

REFER TO CIVIL PLANS FOR ADDITIONAL SITE INFORMATION

BUILDING INFORMATION

AREA	SQUARE FEET
BUILDING	58,116 SF
FLOOR 1 WAREHOUSE	55,969 SF
OFFICE	2,437 SF
OFFICE (F)	(2,037 SF)
FLOOR 2 STORAGE	2,196 SF
STORAGE (F)	1,833 SF

GEOTECHNICAL REPORT

SEE APPENDIX ONE IN THE SPECIFICATION BOOK FOR
GEOTECHNICAL REPORT DATED 6/30/2021 AND ADDENDUM #1
DATED 11/19/2021

PERMITS

BUILDING	#
EARLY GRADING	#
DEMOLITION	#

DEFERRED SUBMITTALS

- DESIGN BUILD STAIRS
- OPEN WEB METAL JOIST & GIRDERS
- STOREFRONT SYSTEM AND ATTACHMENT
- BUCKLING - RESTRAINED BRACE & CONNECTION
- MECHANICAL
- ELECTRICAL
- PLUMBING
- FIRE PROTECTION

SEPARATE PERMITS

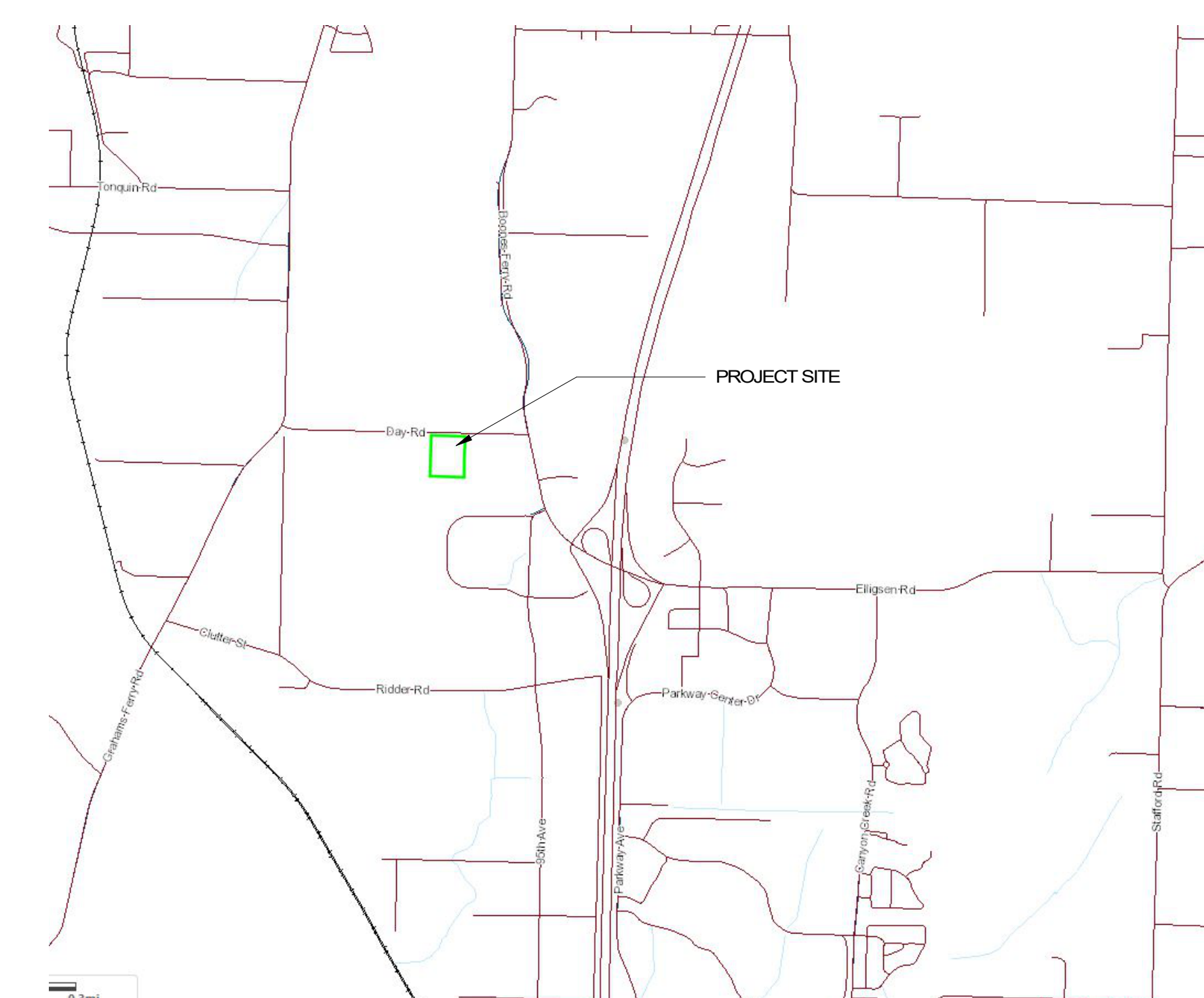
- DESIGN BUILD FIRE SPRINKLER
- DESIGN BUILD FIRE ALARM
- MECHANICAL
- ELECTRICAL
- PLUMBING
- PUBLIC WORKS
- UNDERGROUND FIRE LINES
- EMERGENCY RESPONSE RADIO COVERAGE (ERRC)
- FIRE PUMP (INSTALLED PER NFPA 20)
- DIESEL FUEL TANK (PER 2019 OFC CHAPTER 57 & NFPA 30)
- INCLUDE FUEL FILL PLAN
- KNOXBOX
- WAREHOUSE RACKING
- WAREHOUSE EQUIPMENT AND ATTACHMENT

NOTES

- DESIGN BUILDERS ARE FULLY RESPONSIBLE FOR THE DESIGN OF THESE SYSTEMS / COMPONENTS. THESE SYSTEMS / COMPONENTS SHOWN ON DOCUMENTS ARE SCHEMATIC ONLY. THEY ARE NOT INTENDED TO REPRESENT FINAL / CODE COMPLIANT DESIGN. PROVIDE DESIGN DOCUMENT SUBMITTAL TO MACKENZIE FOR REVIEW PRIOR TO SUBMITTAL TO CITY OF WILSONVILLE, OREGON.



1 (G0.01) BUILDING PERSPECTIVE



2 (G0.01) VICINITY MAP



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REVISION SCHEDULE		
Delta	Issued As	Issue Date

SHEET TITLE:
**TITLE SHEET
AND DRAWING
INDEX**

City of Wilsonville
Exhibit B2 DB22-0007

SHEET

G0.01

JOB NO. **2200502.00**

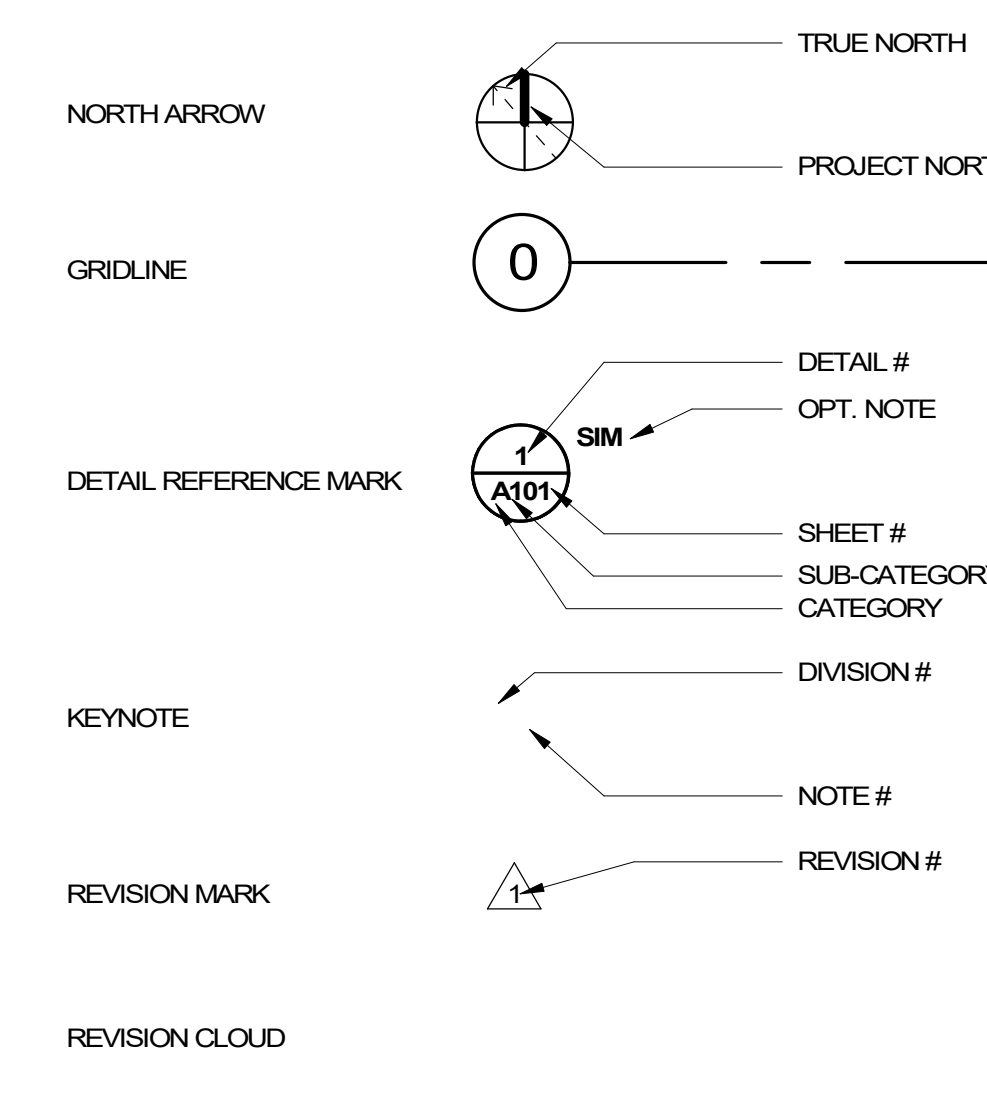
DEVELOPMENT REVIEW SET 04/24/23

Autodesk Docs\Delta Logistics Wilsonville Annex-ZC502 Delta Logistics-B.rvt 3/7/2023 3:23:28 PM As indicated

STANDARD ABBREVIATIONS

@	AT	EOP	EDGE OF PANEL	L	ANGLE	R	RADIUS
AB	ANCHOR BOLT	EP	EPOXY PAINT / EDGE OF PAVEMENT	LAM	LAMINATE	RAD	RADIUS
AC	ASPHALTIC CONCRETE	EPDM	ETHYLENE PROPYLENE DIENE MONOMER	LAV	LAVATORY	RB	RUBBER BASE
ACI	AMERICAN CONCRETE INSTITUTE	EQ	EQUAL	LB	LAG BOLT	RBE	ROOF BASE ELEVATION
ADA	AMERICANS WITH DISABILITIES ACT	EQ	EQUAL	LL	LIVE LOAD	RCP	REFLECTED CEILING PLAN
ADDL	ADDITIONAL	ES	EACH SIDE	LLV	LONG LEG VERTICAL	RD	ROOF DRAIN
ADJ	ADJACENT/ ADJUSTABLE	ETC	EPOXY TRAFFIC COATING / ETCETERA	LONG / LONGIT	LONGITUDINAL	RECEPT	RECEPTIONIST
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL	EW	EXPOSED STRUCTURE	LP	LOWPOINT	REF	REFERENCE / REFRIGERATOR
AFF	ABOVE FINISH FLOOR	EXP	EXPANSION JOINT	LRL	LAMINATED STRAND LUMBER	REINFC	REINFORCING
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	EXT	EXTERIOR	LVL	LAMINATED VENEER LUMBER	REQ / REQ'D	REQUIRED
AL / ALUM	ALUMINIUM	EXT	EXTERIOR	LWC	LIGHTWEIGHT CONCRETE	REV	REVISION
ALT	ALTERNATE	F/	FACE OF	M	MIRROR	RM	ROOM
APPROX	APPROXIMATE	FISTUD	FACE OF STUD	M/E/P	MECHANICAL/ELECTRICAL/ PLUMBING OR PROCESS	RO	ROUGH OPENING
ARCH	ARCHITECT(URAL)	FB	FLAT BAR	MANF	MANUFACTURER	ROW	RIGHT OF WAY
ATR	ALL-THREAD ROD	FC	FACE OF CURB	MAS	MASONRY	S	STAIN
B/	BOTTOM OF	FD	FLOOR DRAIN	MATL	MATERIAL	SAT	SUSPENDED ACOUSTICAL TILE
BATT	BATTEN INSULATION	FDC	FIRE DEPARTMENT CONNECTION	MAX	MAXIMUM	SC	SEALED CONCRETE / SOLID CORE WOOD
BD	BOARD	FE	FIRE EXTINGUISHER	MB	MACHINE BOLT	SCHED	SCHEDULE
BLD / BLDG	BUILDING	FFE	FINISH FLOOR ELEVATION	MDF/MDO	MEDIUM DENSITY FIBERBOARD / OVERLAY	SCM	STRUCTURAL CLAY MASONRY
BLK	BLOCK	FIN	FINISH(ED)	MECH	MECHANICAL	SF	STORE FRONT / SQUARE FEET
BLKG	BLOCKING	FL	FLOOR	MF	MANUFACTURED	SFRS	SEISMIC FORCE RESISTING SYSTEM
BM	BENCHMARK / BEAM	FLR	FLOOR	MFG	MANUFACTURING	SHTG / SHT'G	SHEATHING
BN	BOUNDARY NAIL	FN	FIELD NAILING	MFR	MANUFACTURER	SIM	SIMILAR
BOTT / BOTT	BOTTOM	FND	FOUNDATION	MGR	MANAGER	SLRS	SEISMIC LOAD RESISTIVE SYSTEM
BRG	BEARING	FOC	FACE OF CONCRETE	MH	MAN HOLE	SLV	SHORT LEG VERTICAL
BSMT	BASEMENT	FOF	FACE OF FINISH	MIN	MINIMUM	SMS	SHEET METAL SCREW
BTWN	BETWEEN	FOIC	FURNISH BY OWNER INSTALL BY CONTRACTOR	MISC	MISCELLANEOUS	SOG	SLAB ON GRADE
BUR	BUILT UP ROOFING	FOM	FACE OF MASONRY	MK	MARK	SP	SPACE(D)(S)
CAB	CABINET	FOS	FACE OF STUD	MLP	METAL LINEAR PANEL	SPEC(S)	SPECIFICATION(S)
CB	CATCH BASIN	FOW	FACE OF WALL	MO	MASONRY OPENING	SS	STAINLESS STEEL / SOLID SURFACE
CDF	CONTROLLED DENSITY FILL	FS	FAR SIDE	MOD BIT	MODIFIED BITUMINOUS	ST	STONE
CFP	CAST IRON	FT	FEET/FOOT FIRE TREATED FOOTING	MP	METAL PANEL	STA PT	STATION POINT
CJ	CONTROL JOINT	FTG	FOOTING	MTL	METAL	STAGG	STAGGERED
CL / CL	CENTERLINE	(N)	NEW			STD	STANDARD
CLNG	CEILING	GA	GAUGE	NFPA	NATIONAL FIRE PROTECTION AGENCY	STIFF	STIFFENER
CLR	CLEAR	GALV	GALVANIZED	NIC	NOT IN CONTRACT	STL	STEEL
CMF	CORRUGATED METAL PIPE	GEN	GENERAL	NO. / #	NUMBER	STRUCT	STRUCTURAL
CMU	CONCRETE MASONRY UNIT	GLB	GLULAM BEAM	NR	NOMINAL	SUSP	SUSPENDED
CNTR	CENTER	GLZ	GLAZING	NR	NON RATED	SV	SHEET VINYL
CO	CLEAN OUT	GR	GRADE	NS	NEAR SIDE	T	TEMPERED
COLUMN	COLUMN	GRD	GRADE ONLY	NTE	NOT TO EXCEED	T&B	TOP AND BOTTOM
CONC	CONCRETE	GSA	U.S. GENERAL SERVICES ADMINISTRATION	NTS	NOT TO SCALE	TOP OF	TOP OF
CONF	CONFERENCE	GYP BD	GYPSUM BOARD	O/A	OVERALL	TC	TOP OF CURB
CONN	CONNECTION	HB	HOSE BIB	OC	ON CENTER	TEMP	TEMPERATURE / TEMPORARY
CONN	CONNECTION	HC	HOLLOW CORE / HANDICAP	OFI	OWNER FURNISHED, CONTRACTOR INSTALLED	THK	THICK / THICKNESS
CONST	CONSTRUCTION	HCM	HOLLOW CLAY MASONRY	OFI	OWNER FURNISHED, OWNER INSTALLED	TL	TOTAL LOAD
CONT	CONTINUOUS	HDR	HEADER	OH	OPPOSITE HAND	TN	TOE NAIL
CONTR	CONTRACTOR	HDR	HARDWARE	OH	OVERHEAD DOOR	TO	TOP OF
COORD	COORDINATE	HDL	HALF LITE	OPNG	OPENING	TOP	TOP OF FOOTING
CORR	CORRUGATED(ED) (ION)	HLM	HOLLOW METAL	OPP	OPPOSITE	TOS	TOP OF WALL
CPT	CARPET	HMK	HOLLOW METAL KNOCKDOWN	OSF / OFACE	OUTSIDE FACE	TOW	TOP OF WALL
CR	CHEMICAL RESISTANT COATING	HMW	HOLLOW METAL WELDED	OSSC	OREGON STRUCTURAL SPECIALTY CODE	TPO	THERMOPLASTIC POLYOLEFIN
CSK	COUNTERSINK	HR(S)	HOUR(S)	OTS	OPEN TO STRUCTURE	TRANS / TRANSV	TRANSVERSE
CSP	CONCRETE SEWER PIPE	HS	HEADED STUD	P	PAINT	TS	TUBE STEEL
CTOP	COUNTERTOP	HSB	HIGH STRENGTH BOLT	P-LAM	PLASTIC LAMINATE	TYP	TYPICAL
CTR / CNTR	CENTER	HSS	HOLLOW STRUCTURAL STEEL	P.E.	PROFESSIONAL ENGINEER	UC	UNDERSIDE
CW	CONCRETE WALL	HTG	HEATING	PB	PARTICLE BOARD	UL	UNDER COUNTER
d	PENNY(NAILS)	HVAC	HEATING, VENTILATION AND AIR CONDITIONING	PDA / PAF	POWDER DRIVEN ANCHORS/POWDER ACTUATED FASTENER	UNO / UON	UNLESS NOTED OTHERWISE UNITED STATES GYPSUM
DBA	DEFORMED BAR ANCHOR	HWS	HEADED WELD STUD	PJ	PANEL JOINT	USG	UNITED STATES GYPSUM
DBL	DOUBLE	IBC	INTERNATIONAL BUILDING CODE	PL / PL	PLATE	VCT	VINYL COMPOSITION TILE
DC	DEMAND CRITICAL WELD	ID	INSIDE DIAMETER	PLB	PARALLAM BEAM	VERT	VERTICAL
DET / DTL	DETAIL	IE	INVERT ELEVATION	PLMB	PLUMBING	VEST	VESTIBULE
DET/DTL	DETAIL	IF	INSIDE FACE	PLY / PLYWD	PLYWOOD	VFY	VERIFY
DF	DRINKING FOUNTAIN / DOUGLAS FIR	IFC	INTERNATIONAL FIRE CODE	PNL	PANEL	VIF	VERIFY IN FIELD
DIA / Ø	DIAMETER	IMC	INTERNATIONAL MECHANICAL CODE	PR	PAIR	VP	VISION PANEL
DIAPH	DIAPHRAGM	INFO	INFORMATION	PS	POUR STRIP	W/	WITH
DIM	DIMENSION	INSP	INSPECTION / INSPECTOR	PSF	POUNDS PER SQUARE FOOT	WCRC	COATING WITH CHEMICAL RESISTANCE
DL	DEAD LOAD	INSUL	INSULATION	PSI	POUNDS PER SQUARE INCH	W/O	WITHOUT
DN	DOWN	INT	INTERIOR	PSL	PARALLEL STRAND LUMBER	WB	WOOD BASE
DP	DEEP	IPC	INTERNATIONAL PLUMBING CODE	PT	PRESSURE TREATED / PORCELAIN TILE	WC	WATER CLOSET / WALL COVERING
DR	DOOR	JNT	JOINT	PVC	POLY VINYL CHLORIDE	WD	WOOD
DS	DOWN SPOUT	JST	JOIST	PVMT	PAVEMENT	WF	WIDE FLANGE BEAM
DWG	DRAWING	K	KIPS			WH	WATER HEATER
DWLS	DOWELS	KSF	KIPS PER SQUARE FOOT			WP	WATER PROOF / WOOD PANELING / WORK POINT
(E) / EXIST	EXISTING	KSI	KIPS PER SQUARE INCH			WR	WATER RESISTANT
E/	EDGE OF					WRGB	WATER RESISTANT GYPSUM BOARD
EA	EACH					WS	WATER STOP / WELDED STUD
EF	EACH FACE					WWF	WELDED WIRE FABRIC
EIFS	EXTERIOR INSULATION FINISH SYSTEM					WWR	WELDED WIRE MESH
ELECT	ELECTRICAL						
ELEV	ELEVATION						
EN	EDGE NAIL						
ENGR	ENGINEER						

SYMBOLS AND REFERENCES



PROJECT GENERAL NOTES

- A. THE DRAWINGS LOCATE PRODUCTS, SURFACES, AND MATERIALS AND THE NOTES CONVEY DESIGN INTENT. THE PROJECT INTENT IS TO PROVIDE FOR A COMPLETE, WORKING SYSTEM.
- B. ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE LATEST ADOPTED BUILDING CODE EDITION, AND TO CONDITIONS AND SPECIFICATIONS OF ALL GOVERNING AUTHORITIES. VERIFY AND CONFIRM ALL CONDITIONS, DIMENSIONS, AND LAYOUT INFORMATION PRIOR TO START OF CONSTRUCTION. NOTIFY MACKENZIE OF ANY DISCREPANCIES PRIOR TO START OF WORK. ANY CORRECTION WORK REQUIRED AS A RESULT OF NOT REPORTING SUCH DISCREPANCIES SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER.
- D. CONTRACTOR AND SUBCONTRACTORS SHALL CAREFULLY EXAMINE THE SITE AND THE CONSTRUCTION DOCUMENTS OF THE ENTIRE WORK. INCONSISTENCIES IN THE PLANS OR SPECIFICATIONS SHALL BE CALLED TO THE ATTENTION OF MACKENZIE.
- E. REFER TO ENLARGED PLANS AND ELEVATIONS WHERE INDICATED FOR ADDITIONAL INFORMATION. ENLARGED PLANS TAKE PRECEDENCE OVER PLANS OF SMALLER SCALE, AND DETAILS TAKE PRECEDENCE OVER PLANS. IN THE CASE OF A CONFLICT, THE HIGHEST COST OPTION SHOULD BE PRICED.
- F. DETAIL REFERENCES SHALL BE APPLIED TO ALL INSTANCES WHERE THE SAME CONDITIONS OCCUR, UNLESS NOTED OTHERWISE.
- G. THE TERMS "ABOVE FINISH FLOOR" (AFF) AND "FINISH FLOOR ELEVATION" (FFE) REFER TO FINAL FINISHED FLOOR ELEVATION, WHETHER BUILT-UP SLAB, COMPOSITE DECK, OR RAISED ACCESS FLOOR.
- H. DO NOT SCALE DRAWINGS.
- I. CUTTING AND DRILLING OF STRUCTURAL MEMBERS NOT DETAILED REQUIRES THE WRITTEN PERMISSION OF THE STRUCTURAL ENGINEER OR RECORD.
- J. FINISH FLOOR ELEVATION OF 0'-0" = 262.5" AS INDICATED ON CIVIL DRAWINGS.
- K. SAVE AND RECYCLE DEMOLITION DEBRIS AS APPLICABLE. ALL DEMOLISHED OR REMOVED EXISTING MATERIAL SHALL BE LEGALLY DISPOSED. COORDINATE WITH THE CITY OF WILSONVILLE REQUIREMENTS FOR RECYCLING/RE-USE OF DEMOLITION DEBRIS.
- L. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE RESULTING FROM THEIR WORK. THE CONTRACTOR WILL COORDINATE CLEAN UP OF ALL AREAS AFFECTED BY DUST OR ANY MATERIALS, BOTH DURING CONSTRUCTION AND UPON COMPLETION OF THE PROJECT, INCLUDING THE INSIDE OF ALL WINDOWS AS NECESSARY SO THAT THE SPACE IS READY FOR OCCUPANCY BY TENANT.
- M. ALL DESIGN-BUILD ITEMS, SYSTEMS, AND ELEMENTS ARE TO BE SUBMITTED FOR REVIEW AND APPROVED BY MACKENZIE.
- N. EXISTING MATERIAL NOTED TO BE RETURNED TO THE OWNER SHALL BE SAFELY STORED AND PROTECTED UNTIL IT IS REMOVED FROM THE SITE BY THE OWNER.

Project



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REVISION SCHEDULE		
Delta	Issued As	Issue Date

SHEET TITLE:
**PROJECT
GENERAL
NOTES,
SYMBOLS,
AND
ABBREVIATIONS**

SHEET

GO.02

JOB NO. **2200502.00**

Project Information

Energy Code: 90.1 (2019) Standard
 Project Title: Delta Logistics - Wilsonville
 Location: Wilsonville, Oregon
 Climate Zone: 4c
 Project Type: New Construction
 Vertical Glazing / Wall Area: 5%
 Skylight / Roof Area: 1%
 Performance Sim. Specs: EnergyPlus 8.1.0.009 (EPW: USA_OR_Portland.intl.AP.726980_TMY3.epw)

Construction Site: 9710 SW Day Road, Wilsonville, Oregon 97070
 Owner/Agent: Igor Nichiporchik, Delta Logistics, 9835 SW Commerce Circle, Wilsonville, Oregon 97070, 503-465-2200, igor@deltagov.com
 Designer/Contractor: Adam Goldberg, Mackenzie, 1215 SE Water Ave., Suite 100, Portland, Oregon 97214, 8476482232, agoldberg@mcknze.com

Building Area	Floor Area
1-Warehouse and Utilities (Warehouse) - Semiheated	55638
2-Office and Storage (Office) - Nonresidential	4636

Envelope Assemblies

Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor
Roof: Insulation Entirely Above Deck, [Bldg. Use 1 - Warehouse and Utilities]	55682	20.0	0.048	0.093	
Skylight: Metal Frame: Fixed, Perf. Specs.: Product ID N/A, SHGC 0.40, VT 0.64, [Bldg. Use 1 - Warehouse and Utilities] (b)	576		0.450	0.750	
Roof: Insulation Entirely Above Deck, [Bldg. Use 2 - Office and Storage] (c)	2443	20.0	0.048	0.032	
OFFICE SLAB: Unheated Slab-On-Grade, [Bldg. Use 2 - Office and Storage] (c)	112		0.730	0.520	
WAREHOUSE SLAB: Unheated Slab-On-Grade, [Bldg. Use 1 - Warehouse and Utilities] (c)	911		0.730	0.730	
NORTH TILT WALL - (furring at office) NORTH: Solid Concrete, 12in. Thickness, Normal Density, Furring: Metal, [Bldg. Use 2 - Office and Storage]	394	13.0	0.0	0.138	0.104
Window: Metal Frame: Fixed, Perf. Specs.: Product ID N/A, SHGC 0.40, VT 0.50, [Bldg. Use 2 - Office and Storage] (b)	140		0.450	0.360	
TILT WALL - (stickpin at office): Solid Concrete, 10in. Thickness, Normal Density, Furring: None, [Bldg. Use 2 - Office and Storage]	952		13.0	0.067	0.104
Window: Metal Frame: Fixed, Perf. Specs.: Product ID N/A, SHGC 0.40, VT 0.50, [Bldg. Use 2 - Office and Storage] (b)	224		0.450	0.360	
TILT WALL - NORTH: Solid Concrete, 8in. Thickness, Normal Density, Furring: None, [Bldg. Use 1 - Warehouse and Utilities]	2637		0.0	0.740	0.580
Man Door: Insulated Metal, Swinging, [Bldg. Use 1 - Warehouse and Utilities]	21		0.130	0.370	

Project Title: Delta Logistics - Wilsonville Copy 2
 Data filename: Delta Logistics - Wilsonville Copy 2
 Report date: 01/17/23
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Assembly	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor
Window: Metal Frame: Fixed, Perf. Specs.: Product ID N/A, SHGC 0.40, VT 0.50, [Bldg. Use 1 - Warehouse and Utilities] (b)	315			0.450	0.500
TILT WALL - (furring at office) NORTH: Solid Concrete, 8in. Thickness, Normal Density, Furring: Metal, [Bldg. Use 2 - Office and Storage]	295	13.0	0.0	0.142	0.104
Window: Metal Frame: Fixed, Perf. Specs.: Product ID N/A, SHGC 0.40, VT 0.50, [Bldg. Use 2 - Office and Storage] (b)	97			0.450	0.360
TILT WALL - (stickpin at office) NORTH: Solid Concrete, 8in. Thickness, Normal Density, Furring: None, [Bldg. Use 2 - Office and Storage]	706		13.0	0.068	0.104
Window: Metal Frame: Fixed, Perf. Specs.: Product ID N/A, SHGC 0.40, VT 0.50, [Bldg. Use 2 - Office and Storage] (b)	105			0.450	0.360
TILT WALL - (furring at riser) NORTH: Solid Concrete, 8in. Thickness, Normal Density, Furring: Metal, [Bldg. Use 1 - Warehouse and Utilities]	453	13.0	0.0	0.142	0.580
Door: Insulated Metal, Swinging, [Bldg. Use 1 - Warehouse and Utilities]	63			0.130	0.370
Ext. Wall: Solid Concrete, 8in. Thickness, Normal Density, Furring: None, [Bldg. Use 1 - Warehouse and Utilities]	1037		13.0	0.068	0.580
EAST TILT WALL (furring at riser) - EAST: Solid Concrete, 8in. Thickness, Normal Density, Furring: Metal, [Bldg. Use 1 - Warehouse and Utilities]	160	13.0	0.0	0.142	0.580
TILT WALL (stickpin at riser) - EAST: Solid Concrete, 8in. Thickness, Normal Density, Furring: None, [Bldg. Use 1 - Warehouse and Utilities]	429		13.0	0.068	0.580
TILT WALL - EAST: Solid Concrete, 8in. Thickness, Normal Density, Furring: None, [Bldg. Use 1 - Warehouse and Utilities]	11516		0.0	0.740	0.580
Man Door: Insulated Metal, Swinging, [Bldg. Use 1 - Warehouse and Utilities]	42			0.130	0.370
SOUTH TILT WALL - SOUTH: Solid Concrete, 8in. Thickness, Normal Density, Furring: None, [Bldg. Use 1 - Warehouse and Utilities]	6071		0.0	0.740	0.580
Man Door: Insulated Metal, Swinging, [Bldg. Use 1 - Warehouse and Utilities]	21			0.130	0.370
Window: Metal Frame: Fixed, Perf. Specs.: Product ID N/A, SHGC 0.40, VT 0.50, [Bldg. Use 1 - Warehouse and Utilities] (b)	525			0.450	0.500
WEST TILT WALL - WEST: Solid Concrete, 8in. Thickness, Normal Density, Furring: None, [Bldg. Use 1 - Warehouse and Utilities]	9747		0.0	0.740	0.580
Window: Metal Frame: Fixed, Perf. Specs.: Product ID N/A, SHGC 0.40, VT 0.50, [Bldg. Use 1 - Warehouse and Utilities] (b)	148			0.450	0.500
Man Door: Insulated Metal, Swinging, [Bldg. Use 1 - Warehouse and Utilities]	63			0.130	0.370
Roll-Up Door: Insulated Metal, Non-Swinging, [Bldg. Use 1 - Warehouse and Utilities]	1686			0.130	0.360
TILT WALL - (furring office) WEST: Solid Concrete, 12in. Thickness, Normal Density, Furring: Metal, [Bldg. Use 2 - Office and Storage]	438	13.0	0.0	0.138	0.104
Window: Metal Frame: Fixed, Perf. Specs.: Product ID N/A, SHGC 0.40, VT 0.50, [Bldg. Use 2 - Office and Storage] (b)	141			0.450	0.360
TILT WALL - (stickpin at office) WEST: Solid Concrete, 10in. Thickness, Normal Density, Furring: None, [Bldg. Use 2 - Office and Storage]	1006		13.0	0.067	0.104
Window: Metal Frame: Fixed, Perf. Specs.: Product ID N/A, SHGC 0.40, VT 0.50, [Bldg. Use 2 - Office and Storage] (b)	225			0.450	0.360

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
 (b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation.
 (c) Slab-On-Grade proposed and budget U-factors shown in table are F-factors.

Project Title: Delta Logistics - Wilsonville Copy 2
 Data filename: Delta Logistics - Wilsonville Copy 2
 Report date: 01/17/23
 Page 2 of 10

Envelope Compliance Statement

Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been designed to meet the 90.1 (2019) Standard requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Adam Goldberg - Project Architect
 Name - Title: Adam Goldberg
 Signature: [Signature]
 Date: 1/17/2023

Project Title: Delta Logistics - Wilsonville Copy 2
 Data filename: Delta Logistics - Wilsonville Copy 2
 Report date: 01/17/23
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Delta	Issued As	Issue Date

SHEET TITLE:
**ENERGY CODE
 COMPLIANCE**

SHEET

G1.11

JOB NO. **2200502.00**

GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE CURRENT STANDARD SPECIFICATIONS AND REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION AND THE CURRENT AMERICAN PUBLIC WORKS ASSOCIATION STANDARDS FOR PUBLIC WORKS CONSTRUCTION
- THE SURVEY INFORMATION SHOWN AS A BACKGROUND SCREEN IS BASED ON A SURVEY BY OTHERS AND IS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS WITH ITS OWN RESOURCES PRIOR TO START OF ANY CONSTRUCTION
- CONTRACTOR MUST COMPLY WITH LOCAL AND STATE REQUIREMENTS TO NOTIFY ALL UTILITY COMPANIES FOR LINE LOCATIONS SEVENTY TWO (72) HOURS (MINIMUM) PRIOR TO START OF WORK. DAMAGE TO UTILITIES SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE
- CONTRACTOR SHALL ADJUST ALL STRUCTURES IMPACTED BY CONSTRUCTION IMPROVEMENTS TO NEW FINISH GRADES
- REQUEST BY THE CONTRACTOR FOR CHANGES TO THE PLANS MUST BE APPROVED BY THE ENGINEER.
- ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY REQUIRES A PUBLIC WORKS PERMIT
- CONTRACTOR SHALL PROVIDE THE ENGINEER OF RECORD WITH AS-BUILT PLANS AT LEAST 2 WEEKS PRIOR TO REQUESTING AGENCY SIGN OFF ON PERMITS FOR OCCUPANCY
- CONTRACTOR SHALL PERFORM ALL THE WORK SHOWN ON THE DRAWINGS AND ALL INCIDENTAL WORK NECESSARY TO COMPLETE THE PROJECT

SITE DEMOLITION NOTES

- COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS FOR DEMOLITION OPERATIONS AND SAFETY OF ADJACENT STRUCTURES AND THE PUBLIC
- INSTALL EROSION CONTROL MEASURES AND TEMPORARY FENCING PRIOR TO ANY DEMOLITION ACTIVITIES
- MITIGATE DUST POLLUTION DUE TO DEMOLITION ACTIVITIES
- PROTECT ALL EXISTING STRUCTURES, UTILITIES, LANDSCAPE AND OTHER ELEMENTS THAT ARE NOT DESIGNATED FOR REMOVAL. ANY DAMAGE TO EXISTING IMPROVEMENTS NOT DESIGNATED FOR REMOVAL SHALL BE REPAIRED/REPLACED AT THE CONTRACTOR'S EXPENSE
- DO NOT BEGIN REMOVAL UNTIL ITEMS TO BE SALVAGED OR RELOCATED HAVE BEEN REMOVED AS NOTED. IF REMOVED GRAVEL OR PAVEMENT MATERIALS ARE TO BE RECYCLED OR REUSED, PREVENT CONTAMINATION OF THESE MATERIALS FROM TOPSOIL OR OTHER DELETERIOUS MATERIAL
- CONTRACTOR SHALL COORDINATE DEMOLITION WORK WITH AFFECTED UTILITY COMPANIES, OBTAIN ALL REQUIRED PERMITS, NOTIFY THEM PRIOR TO STARTING WORK, AND COMPLY WITH THEIR REQUIREMENTS. ADDITIONAL REMOVALS MAY BE REQUIRED BY THE AUTHORITIES HAVING JURISDICTION AND THE CONTRACTOR SHALL CONFIRM ACCORDINGLY PRIOR TO BID. ACCURATELY RECORD ACTUAL LOCATIONS OF CAPPED AND ACTIVE UTILITIES FOR AS-BUILT PURPOSES AND SUPPLY TO OWNER AND ARCHITECT/ENGINEER OF RECORD
- DEMOLISH AND REMOVE ALL NON-BUILDING SITE STRUCTURES AND ASSOCIATED FEATURES (APPURTENANCES) AS SHOWN. WITHIN AREA OF NEW CONSTRUCTION, REMOVE DESIGNATED WALLS AND FOOTINGS TO 2 FEET MINIMUM BELOW FINISHED GRADE. DEMOLISH ALL PAVED AREAS DESIGNATED FOR REMOVAL DOWN TO NATIVE SUBGRADE
- ALL VEGETATION AND DELETERIOUS MATERIALS WITHIN THE LIMITS OF WORK SHALL BE STRIPPED AND REMOVED FROM THE SITE PRIOR TO GRADING WORK UNLESS NOTED OTHERWISE (E.G. PROTECTED TREES)
- IF HAZARDOUS MATERIALS ARE DISCOVERED DURING DEMOLITION, STOP WORK AND IMMEDIATELY NOTIFY THE OWNER AND ARCHITECT/ENGINEER OF RECORD

GRADING NOTES

- ROUGH GRADING:** ROUGH GRADE TO ALLOW FOR DEPTH OF BUILDING SLABS, PAVEMENTS, BASE COURSES, AND TOPSOIL PER DETAILS AND SPECIFICATIONS
- FINISH GRADING:** BRING ALL FINISH GRADES TO LEVELS INDICATED. WHERE GRADES ARE NOT OTHERWISE INDICATED, HARDSCAPE FINISH GRADES ARE TO BE THE SAME AS ADJACENT SIDEWALKS, CURBS, OR THE OBVIOUS GRADE OF ADJACENT STRUCTURE. SOFTSCAPE GRADES (INCLUDING ADDITIONAL DEPTH OF TOPSOIL) SHALL BE SET 6 INCHES BELOW BUILDING FINISHED FLOORS WHERE ABUTTING BUILDINGS, 1-2 INCHES WHERE ABUTTING WALKWAYS OR CURBS, OR MATCHING OTHER SOFTSCAPE GRDES. GRADE TO UNIFORM LEVELS OR SLOPES BETWEEN POINTS WHERE GRADES ARE GIVEN. ROUND OFF SURFACES, AVOID ABRUPT CHANGES IN LEVELS. AT COMPLETION OF JOB AND AFTER BACKFILLING BY OTHER TRADES HAS BEEN COMPLETED, REFILL AND COMPACT AREAS WHICH HAVE SETTLED OR ERODED TO BRING TO FINAL GRADES
- EXCAVATION:** EXCAVATE FOR SLABS, PAVING, AND OTHER IMPROVEMENTS TO SIZES AND LEVELS SHOWN OR REQUIRED. ALLOW FOR FORM CLEARANCE AND FOR PROPER COMPACTION OF REQUIRED BACKFILLING MATERIAL. DAMAGE TO UTILITIES SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE
- EFFECTIVE EROSION PREVENTION AND SEDIMENT CONTROL IS REQUIRED. EROSION CONTROL DEVICES MUST BE INSTALLED AND MAINTAINED MEETING THE LOCAL AGENCY AND STATE AGENCY REQUIREMENTS. THE AUTHORITIES HAVING JURISDICTION MAY, AT ANY TIME, ORDER CORRECTIVE ACTION AND STOPPAGE OF WORK TO ACCOMPLISH EFFECTIVE EROSION CONTROL
- DRAINAGE SHALL BE CONTROLLED WITHIN THE WORK SITE AND SHALL BE ROUTED SO THAT ADJACENT PRIVATE PROPERTY, PUBLIC PROPERTY, AND THE RECEIVING SYSTEM ARE NOT ADVERSELY IMPACTED. THE ENGINEER AND/OR AUTHORITIES HAVING JURISDICTION MAY, AT ANY TIME, ORDER CORRECTIVE ACTION AND STOPPAGE OF WORK TO ACCOMPLISH EFFECTIVE DRAINAGE CONTROL
- SITE TOPSOIL STOCKPILED DURING CONSTRUCTION AND USED FOR LANDSCAPING SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT
- CONTRACTOR TO REVIEW AND CONFIRM GRADES AT JOIN POINTS, SUCH AS AT DAYLIGHT LIMITS AND BUILDING ENTRANCES, PRIOR TO CONSTRUCTION
- ACCESSIBLE PARKING SPACES AND LOADING ZONES SHALL BE CONSTRUCTED AT 2% MAXIMUM SLOPE IN ALL DIRECTIONS
- PEDESTRIAN SIDEWALK CONNECTIONS BETWEEN PUBLIC R.O.W. AND BUILDING ENTRANCES SHALL BE CONSTRUCTED AT AND 2% MAXIMUM CROSS SLOPE AND 5% MAXIMUM LONGITUDINAL SLOPE (8.33% FOR DESIGNATED RAMPS)

UTILITY NOTES

- ALL WORK SHALL CONFORM TO THE CURRENT EDITIONS OF THE STATE PLUMBING AND BUILDING CODES WITH LOCAL AMENDMENTS AS APPLICABLE ALONG WITH ANY ADDITIONAL REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION
- THE WORKING DRAWINGS ARE GENERALLY DIAGRAMMATIC. THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW REQUIRED FOR INSTALLATION IN THE SPACE PROVIDED. THEY DO NOT SHOW EVERY DIMENSION, COMPONENT PIECE, SECTION, JOINT OR FITTING REQUIRED TO COMPLETE THE PROJECT. ALL LOCATIONS FOR WORK SHALL BE CHECKED AND COORDINATED WITH EXISTING CONDITIONS IN THE FIELD BEFORE BEGINNING CONSTRUCTION. EXISTING UNDERGROUND UTILITIES WITHIN THE LIMITS OF EXCAVATION SHALL BE VERIFIED AS TO CONDITION, SIZE AND LOCATION BY UNCOVERING (POTHOLING), PROVIDING SUCH IS PERMITTED BY THE AUTHORITIES HAVING JURISDICTION, BEFORE BEGINNING CONSTRUCTION. CONTRACTOR TO NOTIFY ENGINEER IF THERE ARE ANY DISCREPANCIES.
- NOT ALL REQUIRED CLEANOUTS ARE SHOWN ON THE PLANS. PROVIDE CLEANOUTS PER DETAIL XXXC.XXX AS REQUIRED BY THE AUTHORITIES HAVING JURISDICTION AND THE CURRENT EDITION OF THE STATE PLUMBING CODE (E.G. UNIFORM PLUMBING CODE CHAPTER 7, SECTIONS 707 AND 719, AND CHAPTER 11, SECTION 1101.13).
- ALL SANITARY AND STORM PIPING IS DESIGNED USING CONCENTRIC PIPE TO PIPE AND WYE FITTINGS, UNLESS OTHERWISE NOTED
- ALL DOWNSPOUT LEADERS TO BE 6 INCHES AT 2.0% MINIMUM UNLESS NOTED OTHERWISE
- IF APPLICABLE, PROVIDE 2 INCH PVC DRAIN LINE FROM DOMESTIC WATER METER VAULT AND BACKFLOW PREVENTER VAULT TO THE DOUBLE DETECTOR CHECK VALVE (FIRE) VAULT. PROVIDE 1/3 HP SUMP PUMP AT BASE OF FIRE VAULT AND INSTALL 2 INCH PVC DRAIN LINE WITH BACKFLOW VALVE FROM SUMP PUMP TO DAYLIGHT AT NEAREST CURB. FURNISH 3/4 INCH DIAMETER CONDUIT FROM BUILDING ELECTRICAL ROOM TO FIRE VAULT FOR SUMP PUMP ELECTRICAL SERVICE. NOTE: COORDINATE WITH FIRE PROTECTION CONTRACTOR FOR FLOW SENSOR INSTALLATION AND CONDUIT REQUIREMENTS
- REFABRICATED PLUMBING PRODUCTS USED SHALL BE LISTED ON THE IAPMO R&T PRODUCT LISTING DIRECTORY (pld.iapmo.org). ALL SUBMITTALS FOR REVIEW SHALL BE ACCOMPANIED BY MANUFACTURER'S LITERATURE CLEARLY STATING THIS CERTIFICATION AND/OR THE PRODUCT LISTING CERTIFICATE FROM THE IAPMO DIRECTORY WEBSITE
- IF APPLICABLE, CONTRACTOR TO PROVIDE POWER TO IRRIGATION CONTROLLER. SEE LANDSCAPE PLANS AND SPECIFICATIONS
- SEE BUILDING PLUMBING DRAWINGS FOR PIPING WITHIN THE BUILDING AND UP TO 5 FEET OUTSIDE THE BUILDING, INCLUDING ANY FOUNDATION DRAINAGE PIPING
- CONTRACTOR TO MAINTAIN MINIMUM 3 FEET OF COVER OVER ALL UTILITY PIPING AND CONDUITS, UNLESS NOTED OTHERWISE
- WHERE CONNECTING TO AN EXISTING PIPE, AND PRIOR TO ORDERING MATERIALS, THE CONTRACTOR SHALL EXPOSE THE EXISTING PIPE TO VERIFY THE LOCATION, SIZE, AND ELEVATION. NOTIFY ENGINEER OF ANY DISCREPANCIES
- CONTRACTOR SHALL SCOPE ALL PRIVATE ONSITE GRAVITY SYSTEM LINES THAT ARE BEING CONNECTED TO FOR PROPOSED SERVICE. SCOPING SHALL OCCUR A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION AND THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES WITH AS-BUILT RECORDS/SURVEY FINDINGS OR IF THE EXISTING UTILITIES ARE DAMAGED OR SHOW SIGNS OF SIGNIFICANT DETERIORATION. CONTRACTOR SHALL PROVIDE THE ENGINEER WITH VIDEO RECORDS, ALONG WITH A SKETCH IF THE LOCATIONS DIFFER FROM AS-BUILT PLANS OR SURVEY FINDINGS
- PRODUCT MATERIAL SUBMITTALS FOR REVIEW BY THE ENGINEER SHALL BE ACCOMPANIED BY A MANUFACTURER'S CERTIFICATION THAT THE PRODUCT IS CAPABLE OF MEETING PERFORMANCE EXPECTATIONS (I.E. - WATERTIGHT, MINIMUM/MAXIMUM BURIAL, PREVENTION OF GROUNDWATER INTRUSION, ETC.) BASED ON THEIR REVIEW OF THE PROJECT PLANS. IN THE ABSENCE OF A MANUFACTURER'S CERTIFICATION, THE GENERAL CONTRACTOR'S REVIEW STAMP SHALL CONSTITUTE THAT THEY HAVE PERFORMED THE NECESSARY REVIEW TO CERTIFY THE PRODUCTS CONFORMANCE TO PROJECT SPECIFICATIONS AND GENERAL EXPECTATIONS
- PIPE LENGTHS SHOWN ON PLANS ARE TWO DIMENSIONAL AND MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE
- MANHOLE RIM ELEVATIONS SHOWN ON PLANS REFERENCE THE CENTER OF THE STRUCTURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECONCILING LIDS/GRATES/ETC TO THE SLOPES OF THE SITE GRADING
- MANHOLE OR VAULT RIM ELEVATIONS SHALL BE SET FLUSH IN PAVEMENT AREAS AND 3-4 INCHES ABOVE GRADE IN LANDSCAPE AREAS. RIMS IN PAVEMENT AREAS SHALL BE H-20 TRAFFIC RATED

EROSION CONTROL NOTES

- HOLD A PRE-CONSTRUCTION MEETING OF PROJECT CONSTRUCTION PERSONNEL THAT INCLUDES THE LOCAL AGENCY INSPECTOR TO DISCUSS EROSION AND SEDIMENT CONTROL MEASURES AND CONSTRUCTION LIMITS
- EROSION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE BEFORE ANY LAND IS DISTURBED AND MUST REMAIN IN PLACE AND BE MAINTAINED, REPAIRED, AND PROMPTLY IMPLEMENTED FOLLOWING PROCEDURES ESTABLISHED FOR THE DURATION OF CONSTRUCTION, INCLUDING APPROPRIATE NON-STORMWATER POLLUTION CONTROLS
- THE EROSION CONTROL DRAWING IS FOR GENERAL GUIDANCE ONLY. THE CONTRACTOR SHALL KEEP THE PLAN CURRENT FOR ALL PHASES OF CONSTRUCTION AND MEET EROSION/SEDIMENT CONTROL REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION (AHJ). ALL EROSION CONTROL MEASURES SHALL CONFORM TO THE REQUIREMENTS OF THE AHJ, THE PLANS, AND THE PROJECT SPECIFICATIONS
- CONSTRUCT EROSION CONTROL IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE WATER STANDARDS
- METHOD OF INSTALLATION FOR SEDIMENT FENCE SHALL NOT CAUSE DAMAGE TO VEGETATED SLOPE EXCEPT AT POINT OF INSTALLATION. SIDECAST MATERIAL SHALL BE KEPT TO A MINIMUM AND SHALL BE TO THE UPHILL SIDE OF THE SEDIMENT FENCE. THE FENCE SHALL BE INSTALLED AT LEAST 4 FEET FROM ADJACENT TREES
- ALL EROSION CONTROL DEVICES SHALL BE EXAMINED AND REPAIRED AFTER EACH STORM OCCURRENCE, AND INLETS SHALL BE CLEANED OF SEDIMENT WHENEVER NECESSARY
- HYDROSEED AND MULCH ALL DISTURBED AREAS UPON COMPLETION OF CONSTRUCTION OR AS DIRECTED BY THE AUTHORITIES HAVING JURISDICTION
- THE CONTRACTOR SHALL LIMIT CONSTRUCTION TRAFFIC TO PAVED AREAS TO PREVENT AND MINIMIZE SEDIMENT TRACKING OFF-SITE. CONTRACTOR SHALL SWEEP OR VACUUM PAVED AREAS IF SEDIMENT ACCUMULATION OCCURS. DO NOT TRACK SEDIMENT TO THE PUBLIC STREET OR NEIGHBORING PROPERTIES
- INSTALL TEMPORARY EROSION PREVENTION SUCH AS JUTE NETTING OR GEOTEXTILE ON DISTURBED AREAS STEEPER THAN 4H:1V
- STAGING AND STOCKPILE AREAS TO BE DETERMINED BY CONTRACTOR AND ADJUSTED TO ACCOMMODATE THE PROGRESS OF CONSTRUCTION

SITE WORK NOTES

- ALL CURB RADII TO BE 3 FEET UNLESS NOTED OTHERWISE
- WHEREVER A PEDESTRIAN WALKING PATH IS WITHIN 36 INCHES OF A VERTICAL DROP OF 30 INCHES OR GREATER, GUARDRAIL SHALL BE INSTALLED CONFORMANT WITH THE REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION AND THE CURRENT EDITION OF THE STATE BUILDING CODE (E.G. INTERNATIONAL BUILDING CODE, CHAPTER 10, SECTION 1015)
- PAVEMENTS WITH DEPRESSIONS OR BIRD BATHS, UNCONTROLLED CRACKS WHICH ARE VISIBLE WITHOUT MAGNIFICATION, AND/OR BONY OR OPEN GRADED SURFACES (EXCEPTING POROUS PAVEMENTS) WILL BE CONSIDERED UNACCEPTABLE. CONTRACTOR SHALL REVIEW PAVEMENT REPAIR OR REPLACEMENT ALTERNATIVES WITH THE OWNER AND ENGINEER PRIOR TO CONDUCTING THE REPAIR WORK.

LEGEND

	EXISTING	PROPOSED
ROW LINE		
BRUSH LINE		
BUILDING EAVE		
BUILDING FOOTPRINT		
CENTERLINE		
EASEMENT LINE		
FENCE LINE		
GAS LINE		
OVERHEAD POWER		
SANITARY LINE		
STORM DRAIN LINE		
TAX LOT LINE		
WATER LINE		
DOMESTIC WATER LINE		
FIRE WATER LINE (PRIVATE)		
FIRE WATER LINE (PUBLIC)		
WETLANDS AOI		
WETLANDS BUFFER		
SROZ BOUNDARY		
CULVERT INVERT		
CURB INLET		
DECORATIVE SHRUB		
DOWNSPOUT		
CATCH BASIN		
FIRE HYDRANT		
GAS METER		
GAS RISER		
GATE POST		
GUY ANCHOR		
MAILBOX		
MANHOLE		
POWER METER		
SIGN "AS NOTED"		
SITE BENCHMARK		
STORM DRAIN MANHOLE		
SURVEY MONUMENTS FOUND		
SURVEY MONUMENTS SET		
UTILITY LID		
WATER METER		
WATER RISE		
WATER VALVE		
WATER VAULT		
FDC		
WETLANDS BUFFER/ LINE STAKES		
POWER POLE		
SDEWALK		
TREE		
WETLAND AREA		
RAIN GARDEN		

ABBREVIATIONS

TC	TOP OF CURB	WM	WATER METER
AC	ASPHALT	OH	OVERHEAD WIRE
FH	FIRE HYDRANT	SSWR	SANITARY SEWER
FG	FINISHED GRADE	MH	MANHOLE
SW	SIDEWALK ELEVATION	IE	INVERT ELEVATION
TS	TOP OF STAIR	CB	CATCH BASIN
BS	BOTTOM OF STAIR	STM	STORM
TYP	TYPICAL	RD	ROOF DRAIN
R.O.W.	RIGHT OF WAY	FF/FE	FINISHED FLOOR ELEVATION
LS	LANDSCAPE	NG	NATURAL GROUND
SROZ	SIGNIFICANT RESOURCE OVERLAY ZONE	CL	CENTERLINE
CO	CLEAN OUT	GPM	GALLONS PER MINUTE
INV	INVERT	FW	FIRE WATER
RD	ROOF DRAIN	PWS	PUBLIC WORKS STANDARDS
COW	CITY OF WILSONVILLE	PUE	PUBLIC UTILITY EASEMENT
AOI	AREA OF IMPACT	ELEV	ELEVATION

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Client
DELTA LOGISTICS
9835 SW COMMERCE CIRCLE
WILSONVILLE, OR 97070

Project
DELTA LOGISTICS
SITE EXPANSION
9710 SW DAY RD.
CITY OF WILSONVILLE, OR



EXPIRES: 12/31/24
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CIVIL NOTES AND LEGEND

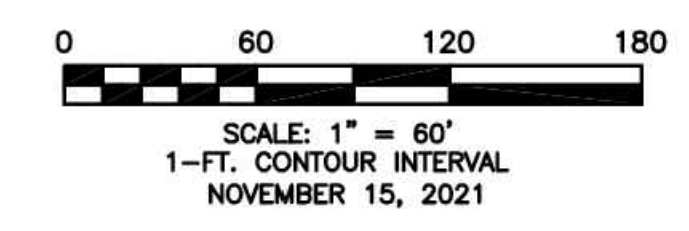
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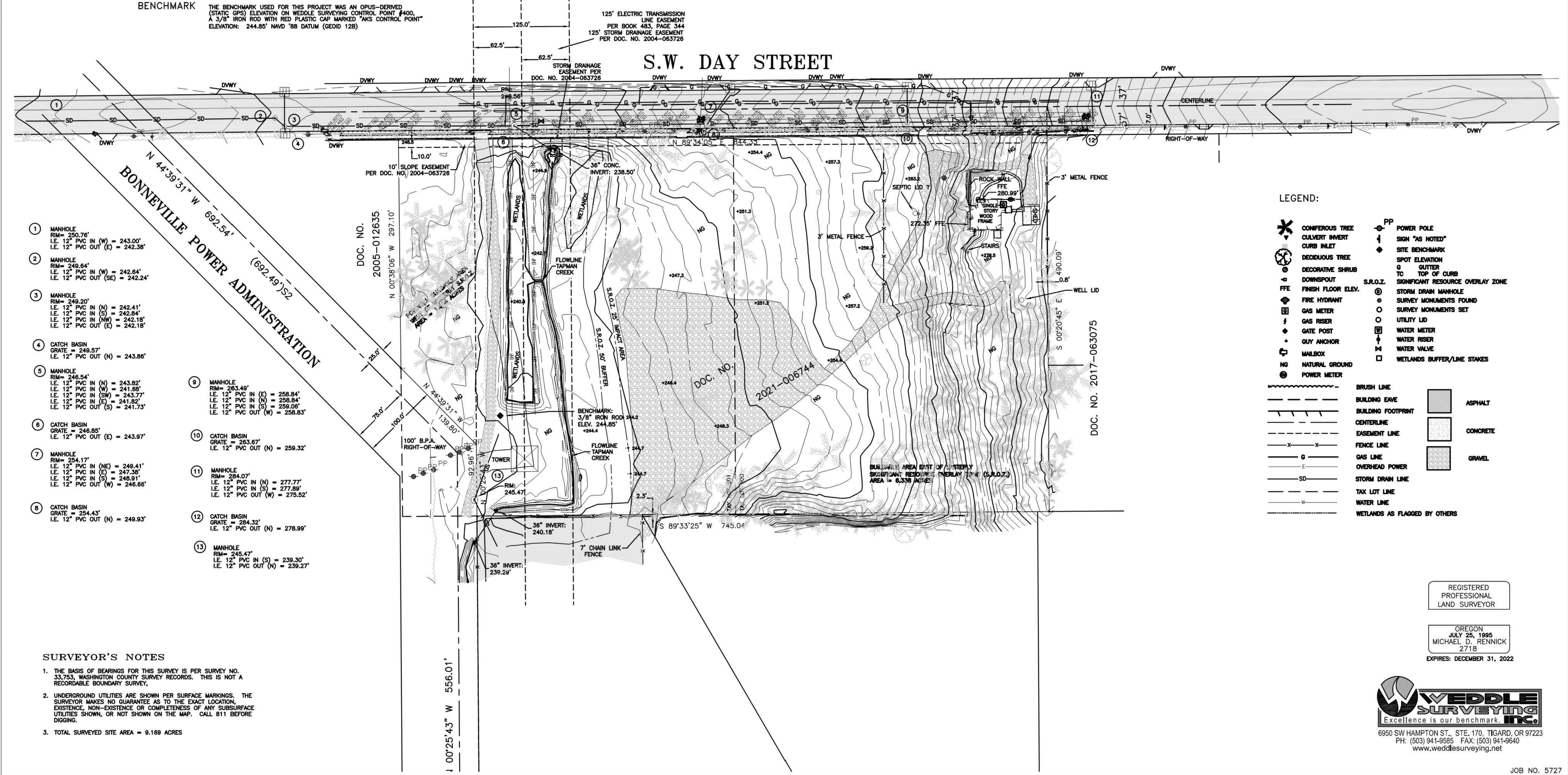
FOR: DELTA LOGISTICS
9835 SW COMMERCE CIRCLE
WILSONVILLE, OR 97070
REQUESTED BY: VLAD TRACH, PRESIDENT
VLAD@DELTAODOV.COM

TOPOGRAPHIC SURVEY
9710 SW DAY ROAD
LOCATED IN THE SW 1/4 AND THE NW 1/4
SECTION 2, T.3S., R.1W., W.M.
WASHINGTON COUNTY, OREGON



BENCHMARK
THE BENCHMARK USED FOR THIS PROJECT WAS AN OPUS-DERIVED (STATIC GPS) ELEVATION ON WEDDLE SURVEYING CONTROL POINT #400, A 3/8" IRON ROD WITH RED PLASTIC CAP MARKED "AS CONTROL POINT" ELEVATION: 244.85' NAVD '88 DATUM (GEOID 128)

125' ELECTRIC TRANSMISSION LINE EASEMENT PER BOOK 483, PAGE 344
125' STORM DRAINAGE EASEMENT PER DOC. NO. 2004-063726



- | | |
|----|--|
| 1 | MANHOLE
RIM= 250.78'
I.E. 12" PVC IN (W) = 243.00'
I.E. 12" PVC OUT (E) = 242.38' |
| 2 | MANHOLE
RIM= 249.84'
I.E. 12" PVC IN (W) = 242.64'
I.E. 12" PVC OUT (SE) = 242.24' |
| 3 | MANHOLE
RIM= 249.20'
I.E. 12" PVC IN (N) = 242.41'
I.E. 12" PVC IN (S) = 242.84'
I.E. 12" PVC IN (NW) = 242.18'
I.E. 12" PVC OUT (E) = 242.18' |
| 4 | CATCH BASIN
GRATE = 249.57'
I.E. 12" PVC OUT (N) = 243.86' |
| 5 | MANHOLE
RIM= 248.54'
I.E. 12" PVC IN (N) = 243.82'
I.E. 12" PVC IN (W) = 241.88'
I.E. 12" PVC IN (SW) = 243.77'
I.E. 12" PVC IN (E) = 241.82'
I.E. 12" PVC OUT (S) = 241.73' |
| 6 | CATCH BASIN
GRATE = 246.85'
I.E. 12" PVC OUT (E) = 243.97' |
| 7 | MANHOLE
RIM= 254.17'
I.E. 12" PVC IN (NE) = 249.41'
I.E. 12" PVC IN (E) = 247.35'
I.E. 12" PVC IN (S) = 248.91'
I.E. 12" PVC OUT (W) = 246.86' |
| 8 | CATCH BASIN
GRATE = 254.43'
I.E. 12" PVC OUT (N) = 249.93' |
| 9 | MANHOLE
RIM= 263.49'
I.E. 12" PVC IN (E) = 258.84'
I.E. 12" PVC IN (N) = 258.84'
I.E. 12" PVC IN (S) = 259.09'
I.E. 12" PVC OUT (W) = 258.83' |
| 10 | CATCH BASIN
GRATE = 263.67'
I.E. 12" PVC OUT (N) = 259.32' |
| 11 | MANHOLE
RIM= 264.07'
I.E. 12" PVC IN (N) = 277.77'
I.E. 12" PVC IN (S) = 277.89'
I.E. 12" PVC OUT (W) = 275.52' |
| 12 | CATCH BASIN
GRATE = 284.32'
I.E. 12" PVC OUT (N) = 278.99' |
| 13 | MANHOLE
RIM= 245.47'
I.E. 12" PVC IN (S) = 239.30'
I.E. 12" PVC OUT (N) = 239.27' |

LEGEND:

	CONIFEROUS TREE		POWER POLE
	CURB INLET		SIGN "AS NOTED"
	DECIDUOUS TREE		SITE BENCHMARK
	DECORATIVE SHRUB		SPOT ELEVATION
	DOWNSPOUT		TOP OF CURB
	FINISH FLOOR ELEV.		S.R.O.Z. SIGNIFICANT RESOURCE OVERLAY ZONE
	FIRE HYDRANT		STORM DRAIN MANHOLE
	GAS METER		SURVEY MONUMENTS FOUND
	GAS RISER		SURVEY MONUMENTS SET
	GATE POST		UTILITY LID
	GUY ANCHOR		WATER METER
	MAILBOX		WATER RISER
	NATURAL GROUND		WATER VALVE
	POWER METER		WETLANDS BUFFER/LINE STAKES

	BRUSH LINE		ASPHALT
	BUILDING EAVE		CONCRETE
	BUILDING FOOTPRINT		GRAVEL
	CENTERLINE		
	EASEMENT LINE		
	FENCE LINE		
	GAS LINE		
	OVERHEAD POWER		
	STORM DRAIN LINE		
	TAX LOT LINE		
	WATER LINE		
	WETLANDS AS FLAGGED BY OTHERS		

SURVEYOR'S NOTES

- THE BASIS OF BEARINGS FOR THIS SURVEY IS PER SURVEY NO. 33,753, WASHINGTON COUNTY SURVEY RECORDS. THIS IS NOT A RECORDABLE BOUNDARY SURVEY.
- UNDERGROUND UTILITIES ARE SHOWN PER SURFACE MARKINGS. THE SURVEYOR MAKES NO GUARANTEE AS TO THE EXACT LOCATION, EXISTENCE, NON-EXISTENCE OR COMPLETENESS OF ANY SUBSURFACE UTILITIES SHOWN, OR NOT SHOWN ON THE MAP. CALL 811 BEFORE DIGGING.
- TOTAL SURVEYED SITE AREA = 9.169 ACRES

REGISTERED PROFESSIONAL LAND SURVEYOR
OREGON
JULY 25, 1995
MICHAEL D. RENNICK
2718
EXPIRES: DECEMBER 31, 2022

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EXCELLENCE IS OUR BENCHMARK
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PH: (503) 941-9585 FAX: (503) 941-9640
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REVISION SCHEDULE		
Delta	Issued As	Issue Date

EXISTING CONDITIONS - SURVEY SHEET

JOB NO. 5727



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CIRCLE
WILSONVILLE, OR 97070

Project
**DELTA LOGISTICS
SITE EXPANSION**
9710 SW DAY RD.
CITY OF
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EXPIRES: 12/31/24

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REVISION SCHEDULE		
Delta	Issued As	Issue Date
1	PLAN CHECK	06/10/2022
2	LAND USE	07/26/2022
3	LAND USE	11/15/2022

SITE PLAN

SHEET

C1.10

JOB NO. **2200502.00**

SITE COVERAGE SUMMARY

BUILDING FOOTPRINT AREA:	58,125 SF	1.33 AC
PARKING AND PAVING AREA:	161,293 SF	3.70 AC
LANDSCAPE AREA:	117,433 SF	2.70 AC
TOTAL DEVELOPMENT AREA:	336,851 SF	7.73 AC
TOTAL SITE AREA (AFTER DEDICATION):	386,719 SF	8.88 AC

SITE PARKING SUMMARY

TRAILERS (50'X12):	79 STALLS
PASSENGER VEHICLES (18'X9):	39 STALLS
ACCESSIBLE STALLS:	2 STALLS
TOTAL VEHICLE STALLS:	41 STALLS

NO BIKE PARKING REQUIRED

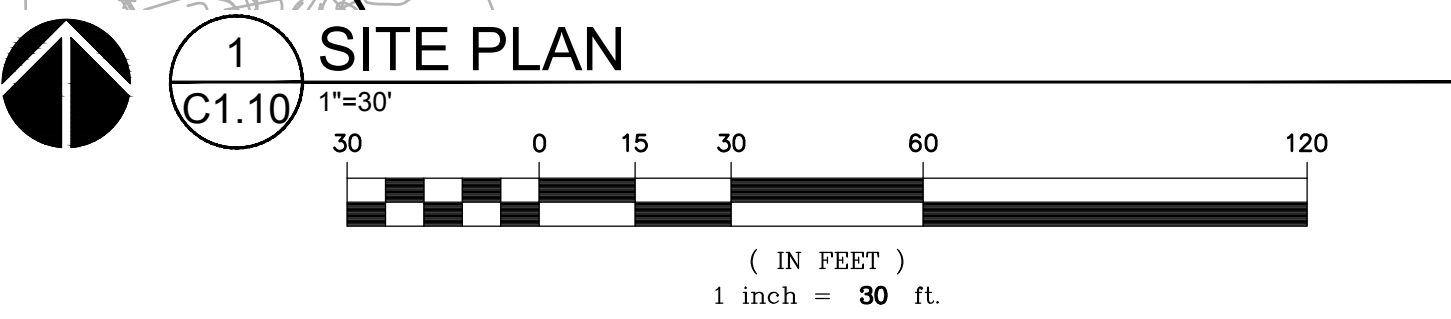
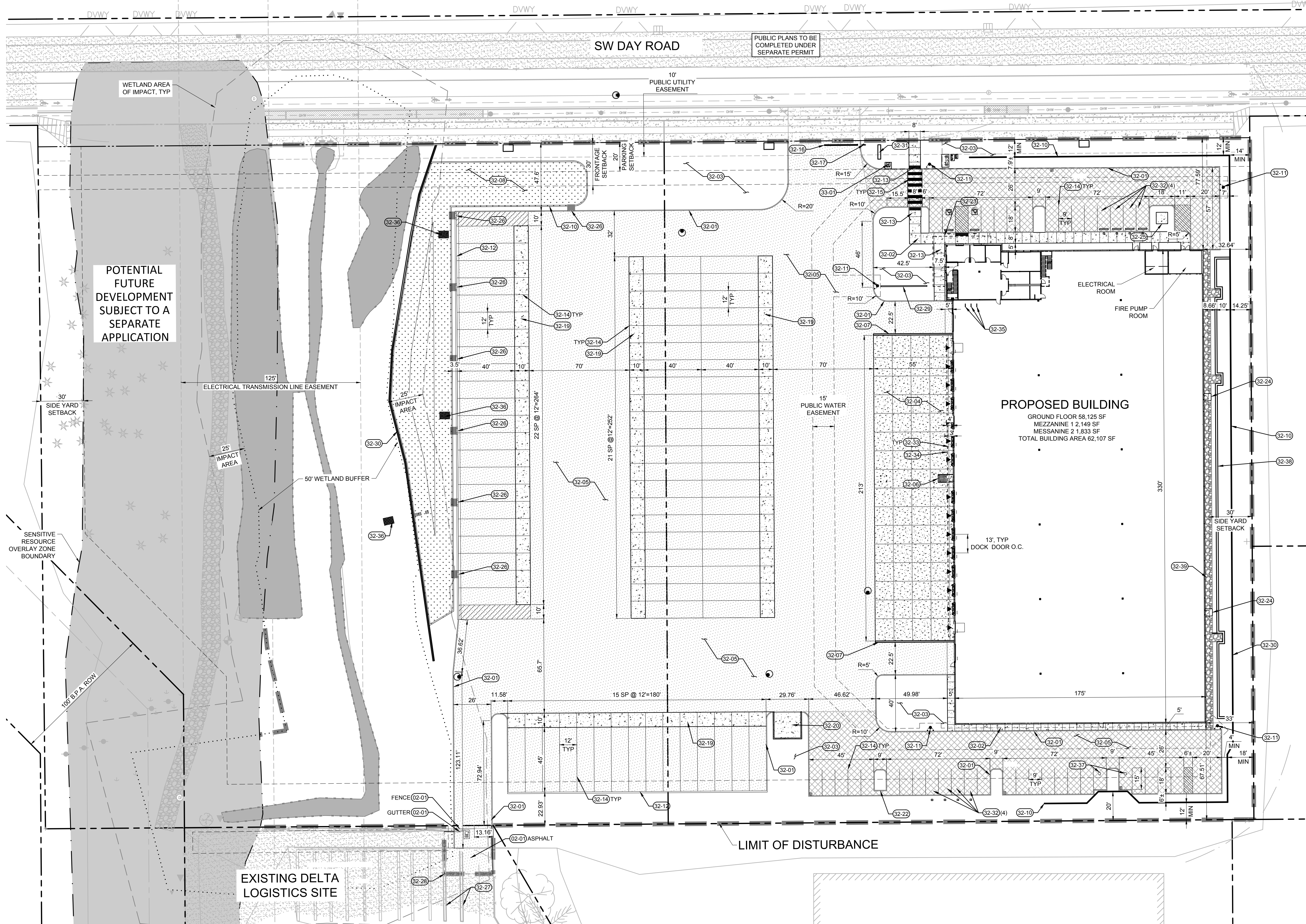
PAVEMENT LEGEND

*PAVEMENT SECTIONS PER GEODESIGN, SEE APPENDIX IN PROJECT SPECIFICATIONS

	SECTION PER SUBSURFACE CONDITION:	
	BEDROCK	SOIL SUBGRADE
LIGHT PAVEMENT (NO TRUCK TRAFFIC)	2.5" AC OVER 4.0" BASE ROCK	2.5" AC OVER 8.0" BASE ROCK
HEAVY TRUCK PAVEMENT: (APPROX. 50 TPD)	4.0" AC OVER 4.0" BASE ROCK	5.0" AC OVER 18.0" BASE ROCK
CONCRETE SECTION:	6" PCC WITH #4 @ 24" O.C. OVER 6" OF CRUSHED ROCK BASE. SUBGRADE TO BE COMPACTED TO GEOTECHNICAL REPORT SPECIFICATIONS	

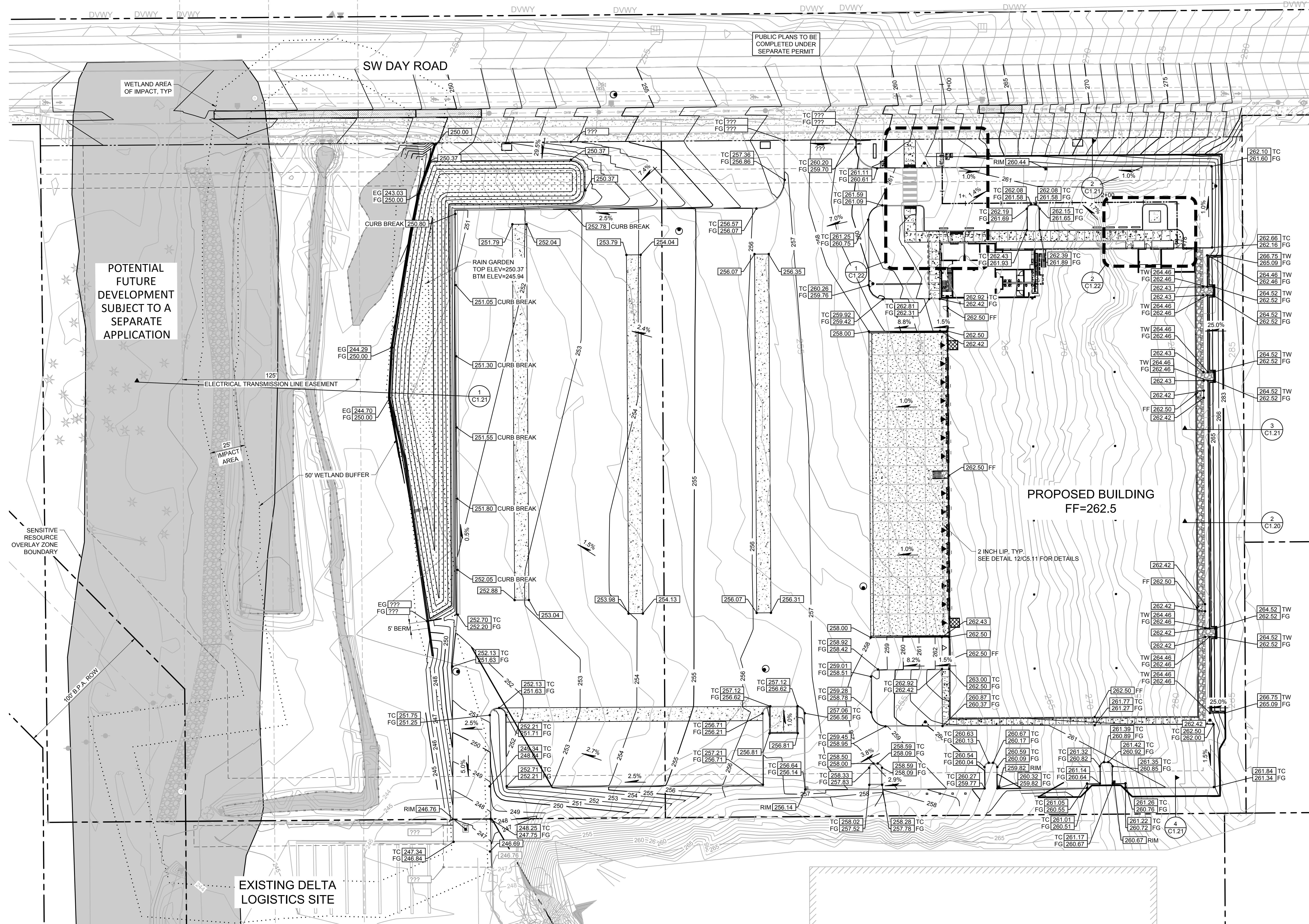
KEYNOTES

- 02-01 REMOVE EXISTING AS NOTED
- 02-01 CONCRETE VERTICAL CURB, PER DETAIL 1/C5.10
- 02-02 CONCRETE SIDEWALK, PER DETAIL 1/C5.10
- 02-03 LANDSCAPE AREA, SEE LANDSCAPE PLANS
- 02-04 CONCRETE TRUCK DOCK, SEE PAVEMENT LEGEND
- 02-05 ASPHALT PAVING AREA, SEE PAVEMENT LEGEND
- 02-06 DOCK STAIR, PER ARCHITECTURAL DETAIL
- 02-07 DOCK RETAINING WALL, PER ARCHITECTURAL DETAIL
- 02-08 RAIN GARDEN 1, PER DETAIL 7/C5.12
- 02-10 DESIGN-BUILD SOIL NAIL WALL, OR APPROVED EQUAL. SEE WALL PLAN FOR DETAILS
- 02-11 FIRE HYDRANT ASSEMBLY WITH BOLLARD PROTECTION, BOLLARD, PER DETAIL 2 AND 3/C5.10. SEE UTILITY PLAN FOR FIRE HYDRANT DETAILS
- 02-12 12" HIGH X 12" WIDE CURB AT TRUCK TRAILER PARKING STALLS, PER DETAIL 3/C5.10. ADD GUTTER WHERE FLOW LINE SLOPE IS LESS THAN 1%, PER DETAIL 9/C5.12
- 02-13 PERPENDICULAR CURB RAMP, PER DETAIL 12/C5.10
- 02-14 4" WHITE PARKING STRIPE, PER SPECIFICATIONS
- 02-15 12" WIDE CROSSWALK STRIPE, PER SPECIFICATIONS
- 02-16 12" WIDE WHITE STOP BAR STRIPE
- 02-17 STOP SIGN, PER DETAIL 14/C5.10
- 02-19 10" WIDE TRAILER LANDING GEAR STRIP, 6" PCC W/ #4 @ 24" O.C. EACH WAY OVER 4" CRUSHED ROCK BASE. SEE DETAIL 8/C5.10 FOR CONCRETE TO ASPHALT TRANSITION
- 02-20 19'X20' CONCRETE PAD FOR TRASH ENCLOSURE. SEE ARCHITECTURAL PLANS FOR TRASH ENCLOSURE DETAIL
- 02-22 3" CHANNEL, PER DETAIL 1/C5.12
- 02-23 PARALLEL CURB RAMP, PER DETAIL 13/C5.10
- 02-24 5' X 5' CONCRETE LANDING, PER DETAIL 7/C5.10
- 02-25 8' X 8' CONCRETE PAD FOR GENERATOR. SEE MEP PLAN
- 02-26 3" WIDE CURB BREAK AT 50' O.C., PER DETAIL 5/C5.10
- 02-27 PAINT OVER EXISTING TRAILER STALL PARKING WITH BLACK PAINT
- 02-28 FULL DEPTH SAW CUT, PER DETAIL 3/C5.10
- 02-29 SCREEN WALL, PER ARCHITECTURAL DETAIL 9/A5.10
- 02-30 3" HIGH GUARDRAIL TO BE EMBEDDED IN RETAINING WALL AT ALL LOCATIONS WHERE WALL HEIGHT IS GREATER THAN 30". SEE RETAINING WALL PROFILES AND DETAILS 3 AND 4/C5.12
- 02-31 MONUMENT SIGN, SEE LANDSCAPE PLANS FOR DETAILS
- 02-32 FUTURE ELECTRIC VEHICLE PARKING STALL. SEE ELECTRICAL PLANS FOR DETAILS
- 02-33 3" WIDE ISOLATED ROW, SEE DETAIL 12/C5.11
- 02-34 BUILDING CANOPY, SEE ARCHITECTURAL PLANS FOR DETAILS AND SPECIFICATIONS.
- 02-35 3 BIKE RACKS. SEE ARCHITECTURAL PLANS FOR DETAILS
- 02-36 RIP RAP AT PIPE OUTFALL, PER DETAIL 7/C5.12. SEE UTILITY PLANS FOR LOCATION
- 02-37 15' LONG COMPACT STALL
- 02-38 2" TALL SEAT WALL. SEE LANDSCAPE PLANS FOR GEOMETRY AND MATERIAL
- 02-39 5" WIDE GRAVEL PATH, 4" THICK, 3/4" O CRUSHED ROCK AGGREGATE
- 03-01 FDC CONNECTION, PER DETAIL 16/C5.10. SEE UTILITY PLAN

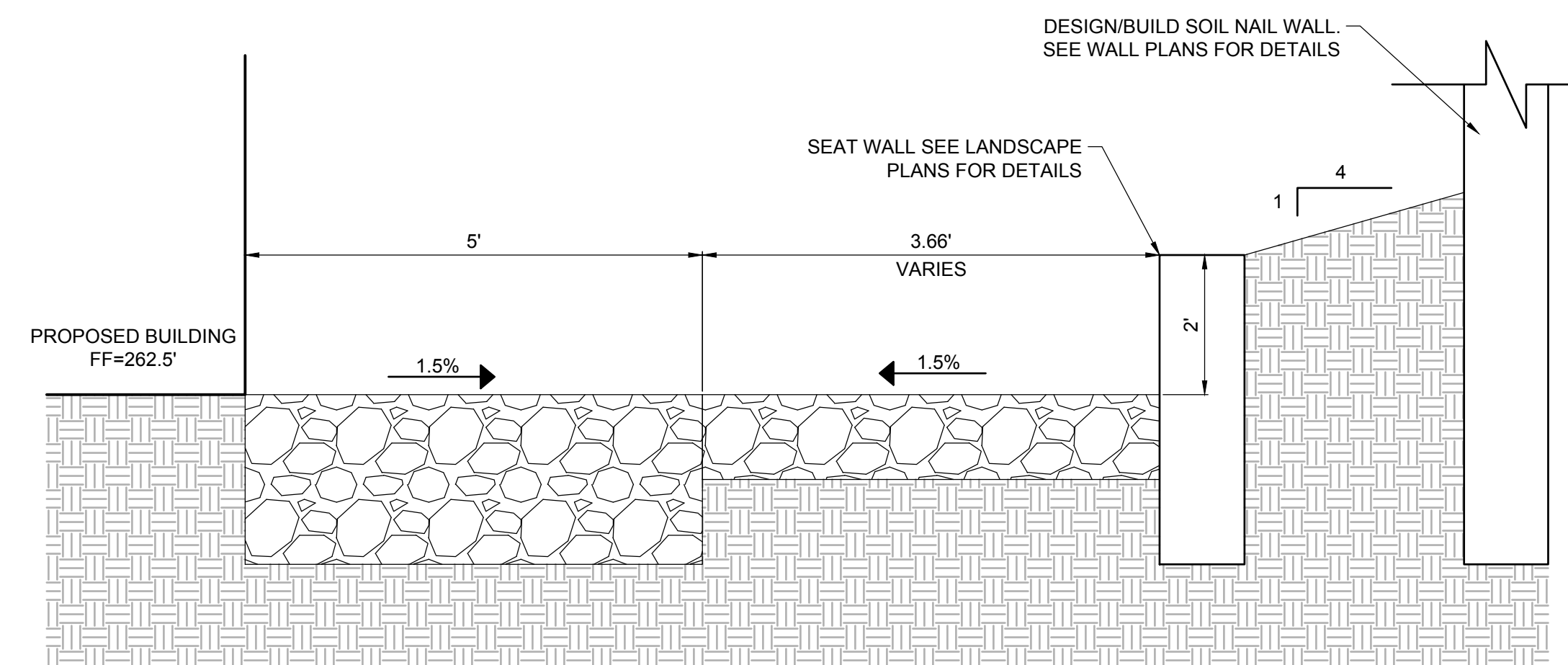


THE SURVEY INFORMATION SHOWN AS A BACKGROUND SCREEN ON THIS SHEET IS SHOWN FOR REFERENCE ONLY AND IS BASED ON A SURVEY BY HOOKER & ASSOCIATES, DATE _____

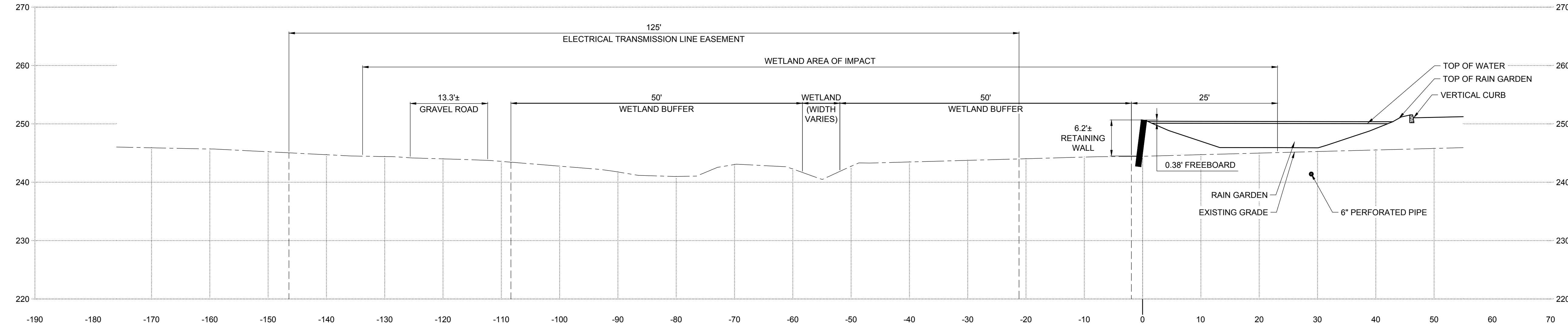
REVISION SCHEDULE		
Delta	Issued As	Issue Date
1	PLAN CHECK	06/10/2022
2	LAND USE	11/15/2022



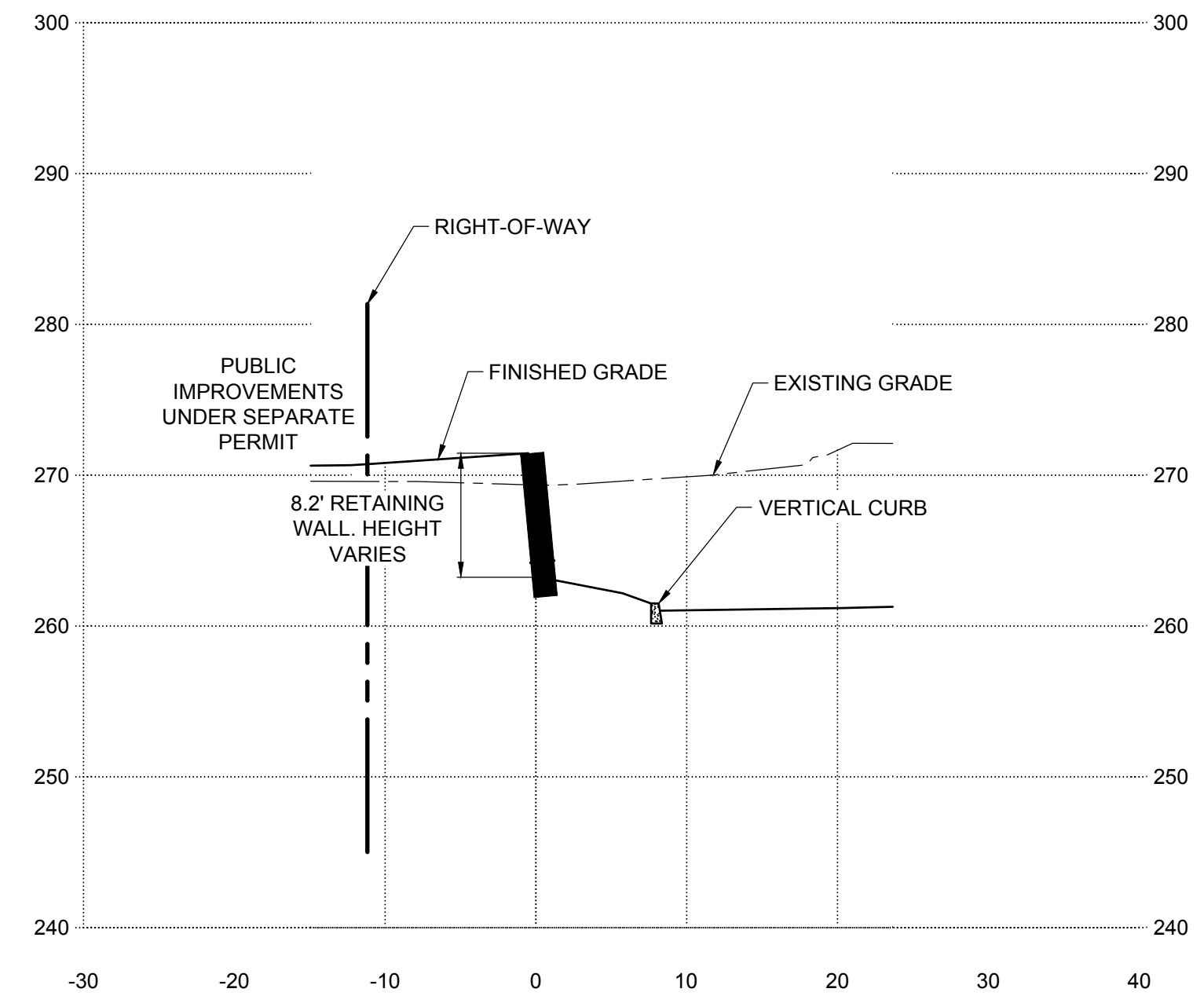
1 GRADING PLAN
C1.20
1"=30'



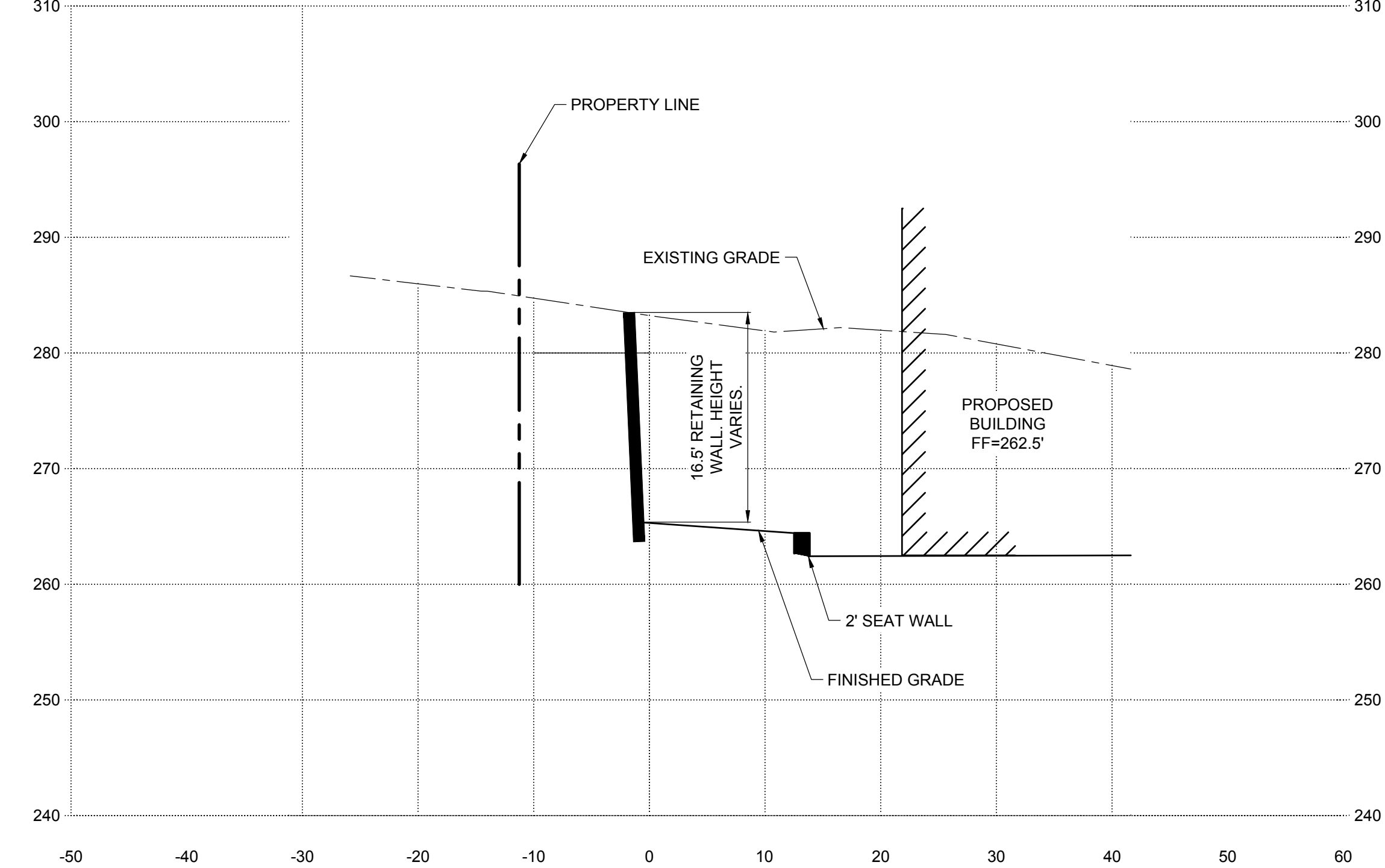
2 WALL SECTION
C1.20 NTS



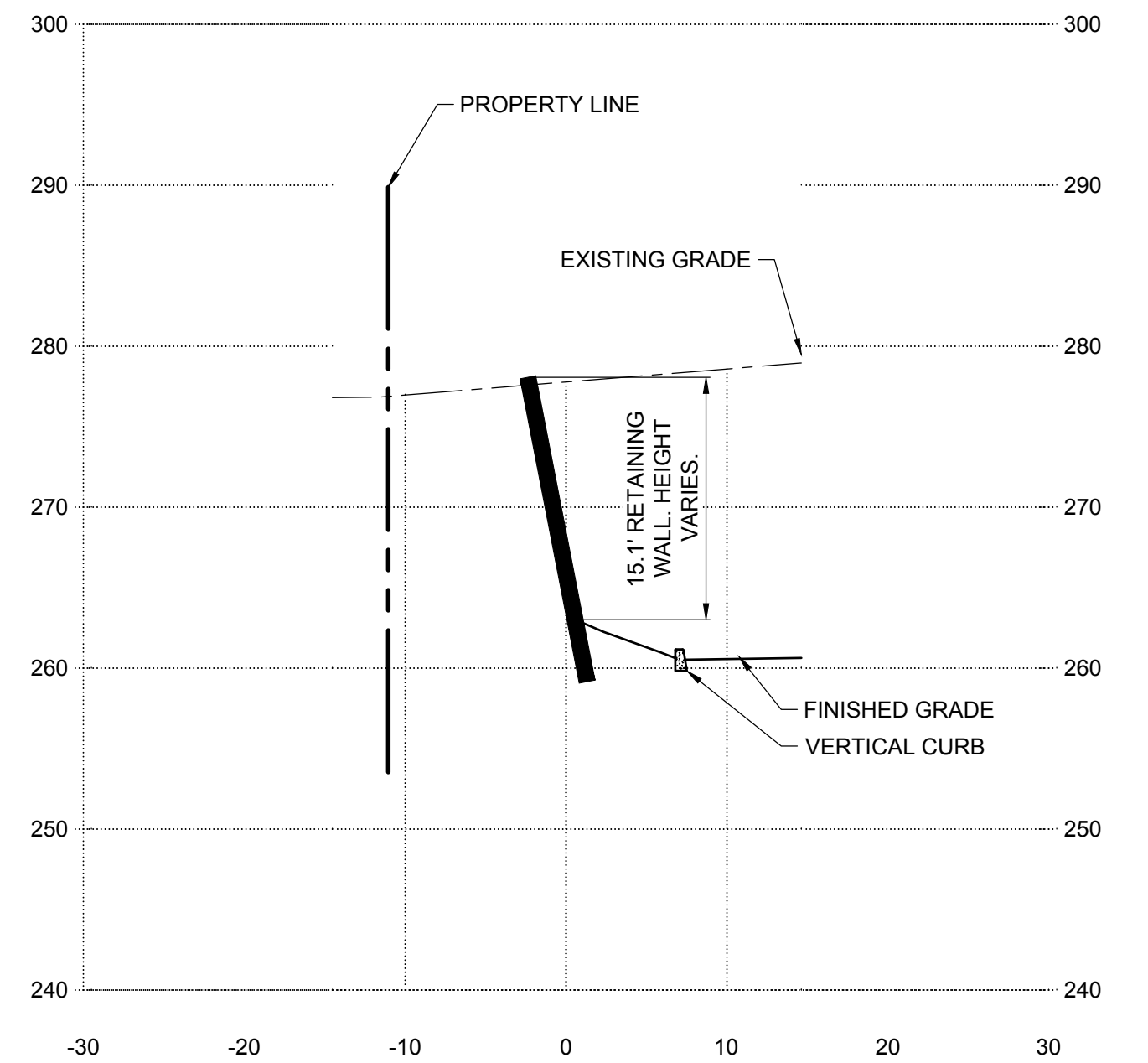
1 CROSS SECTION - NORTHWEST WALL
 SCALE: 1"=10'
 VERT. SCALE: 1"=1'



2 CROSS SECTION 1 - EAST WALL
 SCALE: 1"=10'
 VERT. SCALE: 1"=1'



3 CROSS SECTION 2 - EAST WALL
 SCALE: 1"=10'
 VERT. SCALE: 1"=1'



4 CROSS SECTION 3 - EAST WALL
 SCALE: 1"=10'
 VERT. SCALE: 1"=1'



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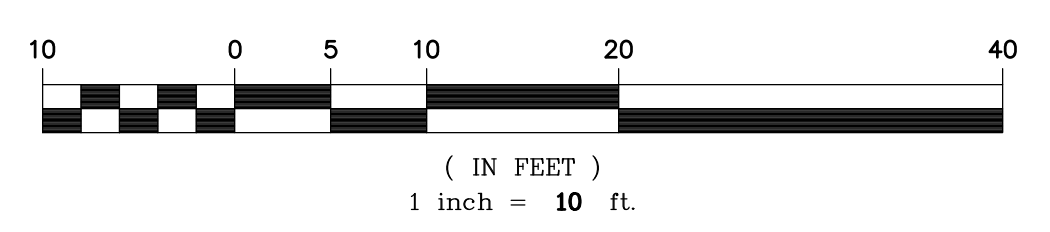
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Delta	Issued As	Issue Date
1	PLAN CHECK	07/14/2022

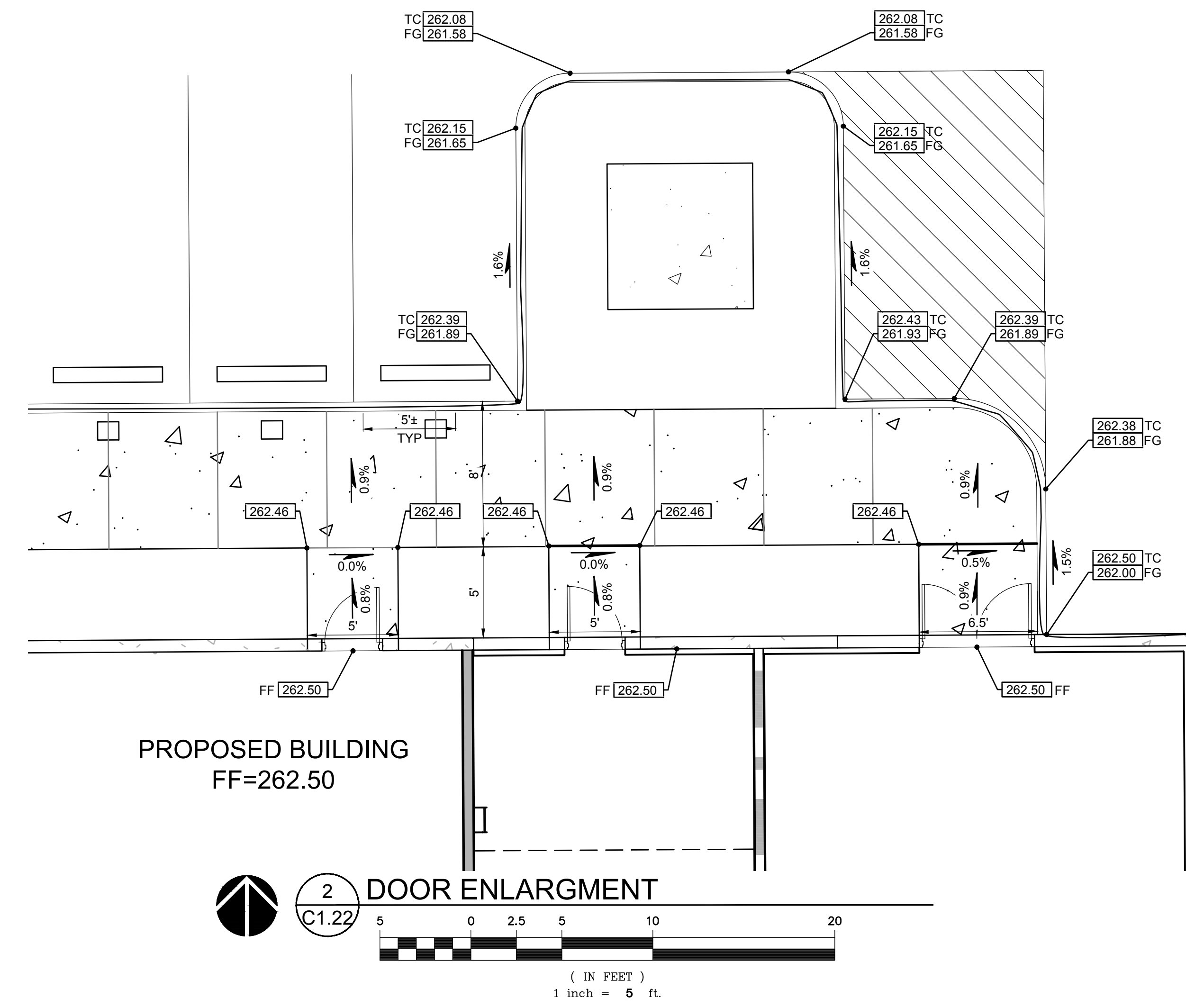
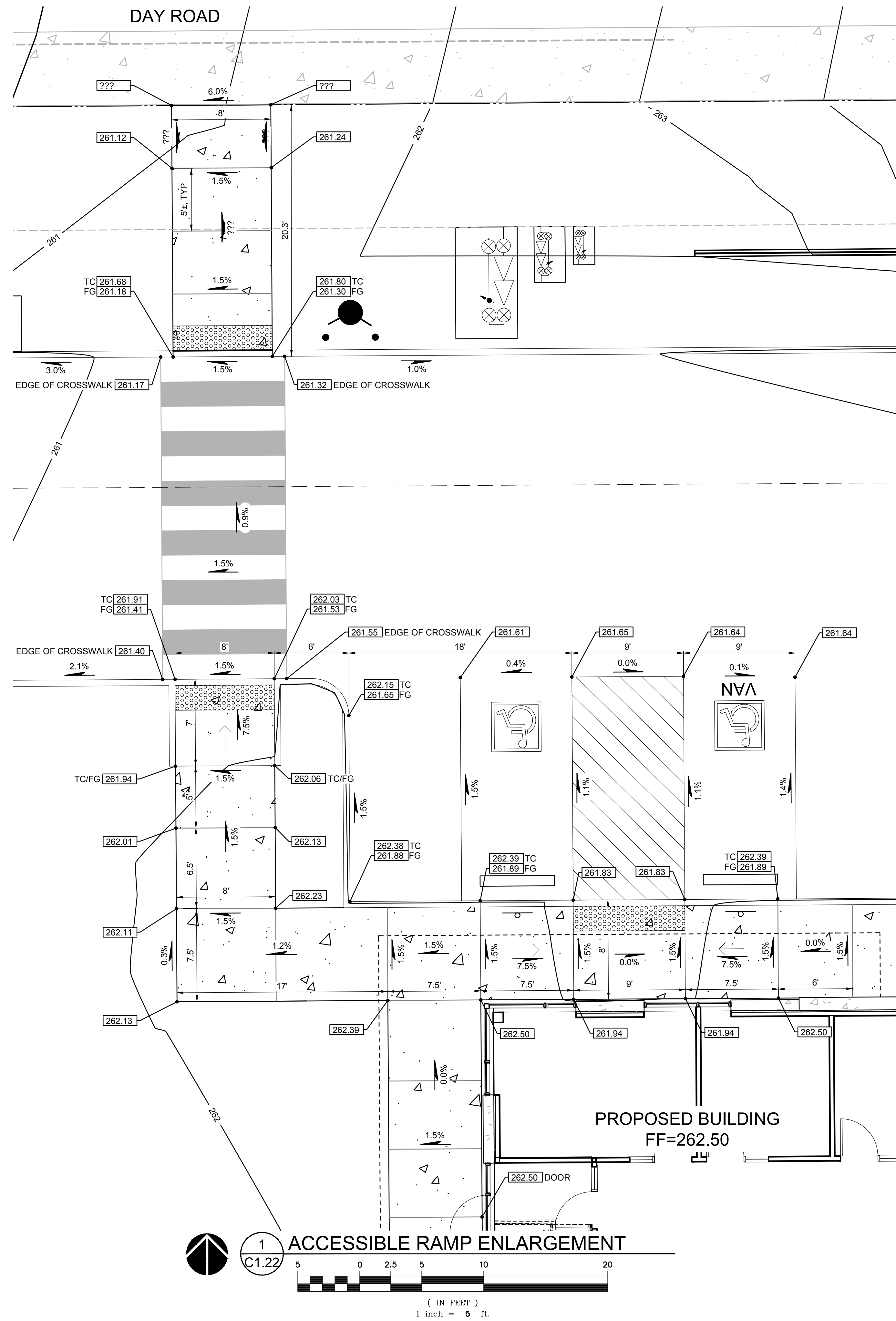
**GRADING
 CROSS
 SECTIONS**

SHEET

C1.21

JOB NO. **2200502.00**





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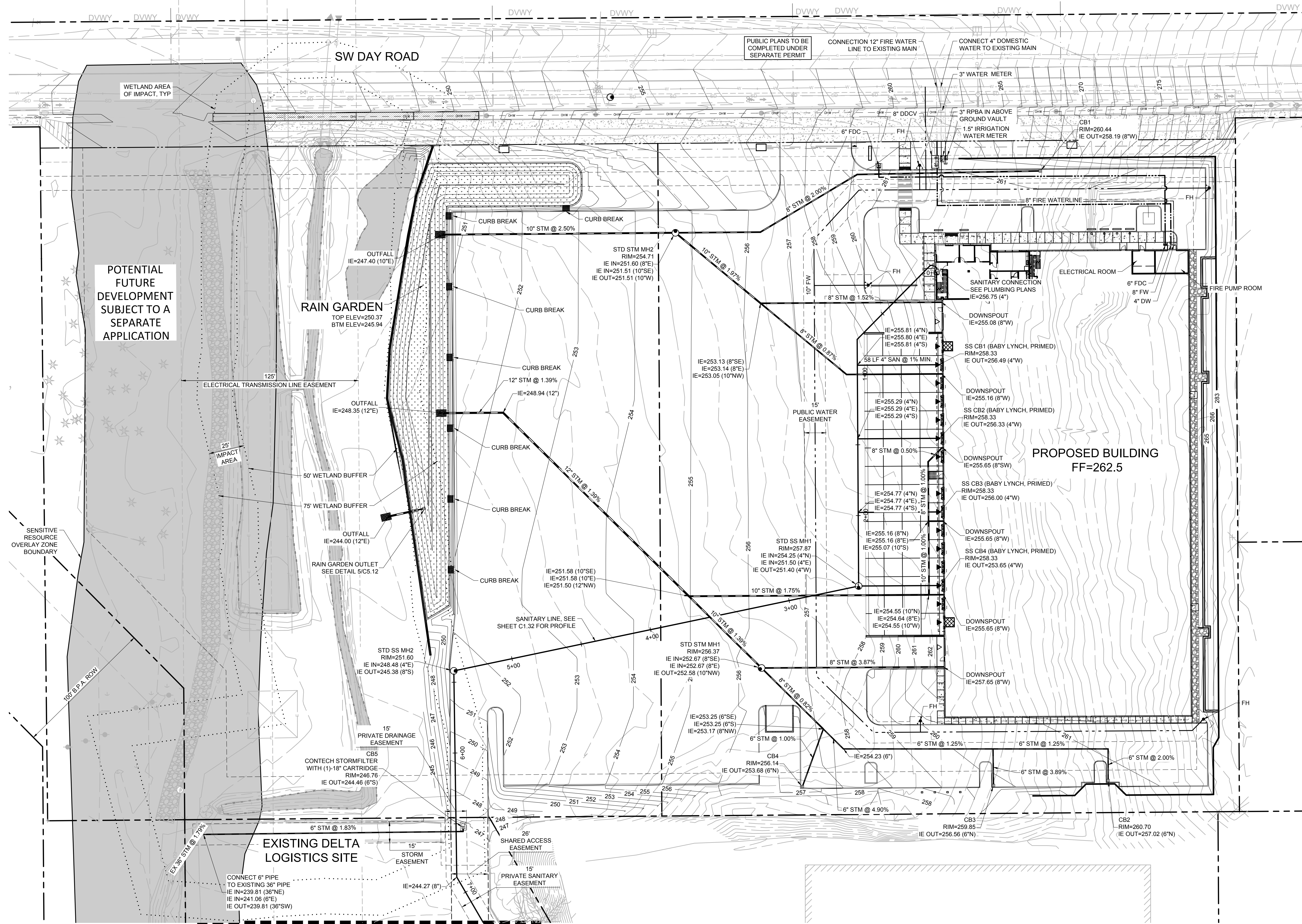
REVISION SCHEDULE		
Delta	Issued As	Issue Date
1	PLAN CHECK	06/10/2022

**GRADING
ENLARGEMENT
PLAN**

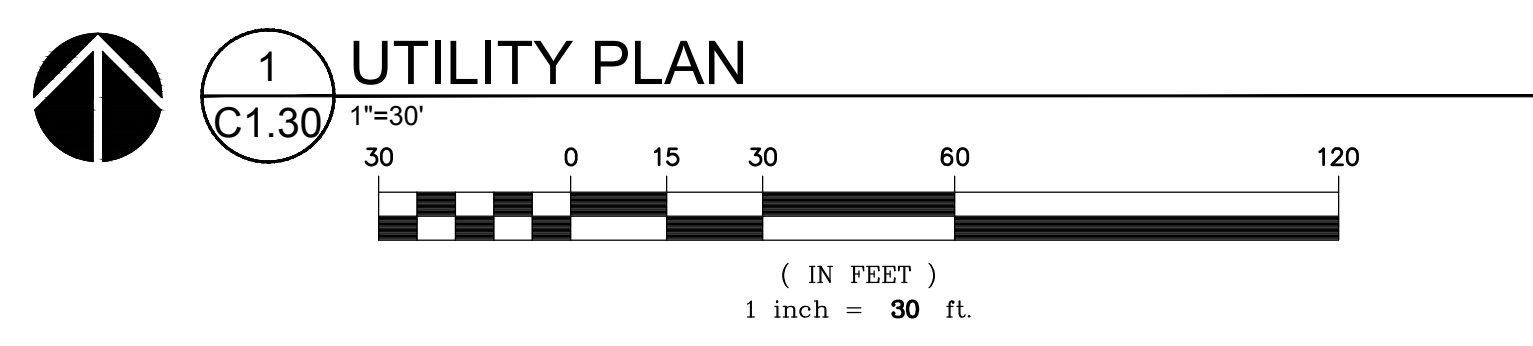
SHEET

C1.22

JOB NO. **2200502.00**



MATCH LINE - SEE SHEET 1/C1.31



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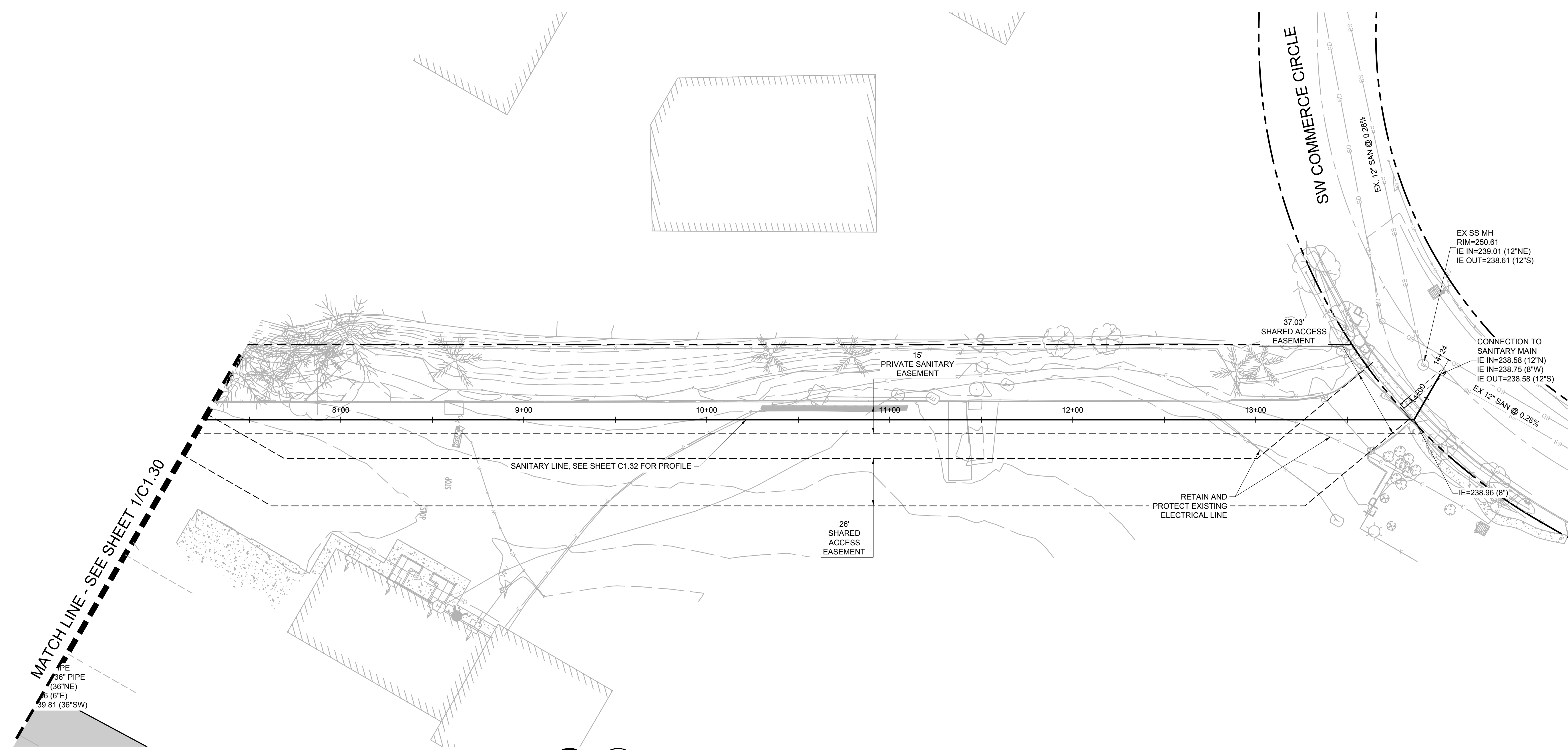
REVISION SCHEDULE		
Delta	Issued As	Issue Date
1	PLAN CHECK	06/10/2022
2	LAND USE	11/15/2022

UTILITY PLAN

SHEET

C1.30

JOB NO. **2200502.00**



1
C1.31
UTILITY PLAN - SANITARY CONNECTION
 1"=30'
 30 0 15 30 60 120
 (IN FEET)
 1 inch = 30 ft.



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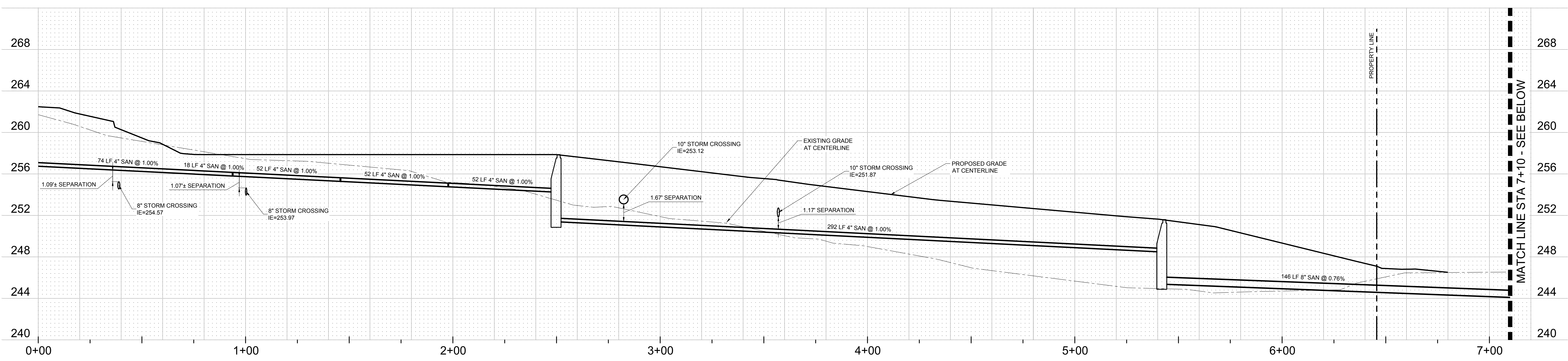
REVISION SCHEDULE		
Delta	Issued As	Issue Date
1	PLAN CHECK	06/10/2022
2	PLAN CHECK	11/15/2022

**UTILITY PLAN -
 SANITARY
 CONNECTION**

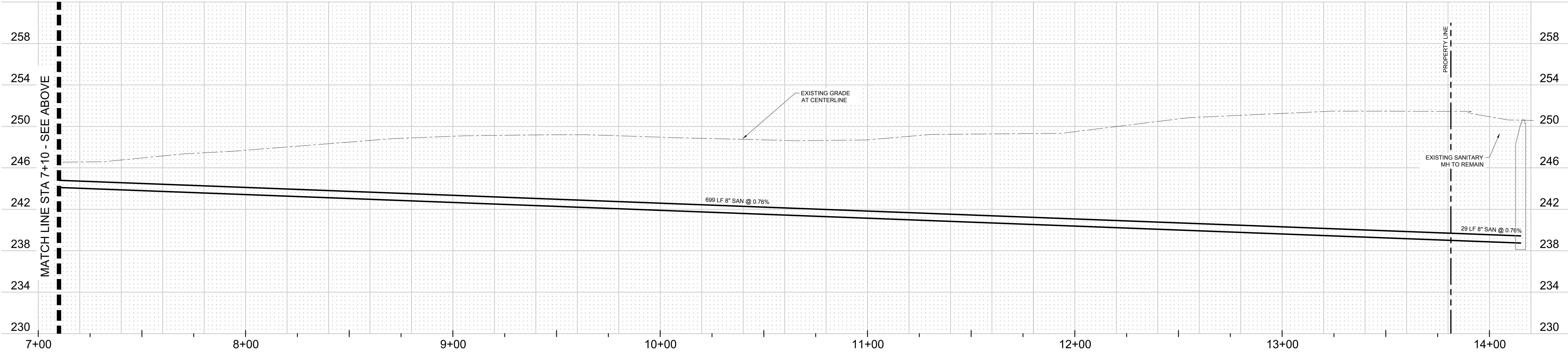
SHEET

C1.31

JOB NO. **2200502.00**



1 SANITARY PROFILE
 C1.32
 HORZ. SCALE 1"=20'
 VERT. SCALE 1"=5'



2 SANITARY PROFILE
 C1.32
 HORZ. SCALE 1"=20'
 VERT. SCALE 1"=5'



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SANITARY PROFILE

SHEET

C1.32

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REVISION SCHEDULE

Delta	Issued As	Issue Date
1	PLAN CHECK	07/14/2022

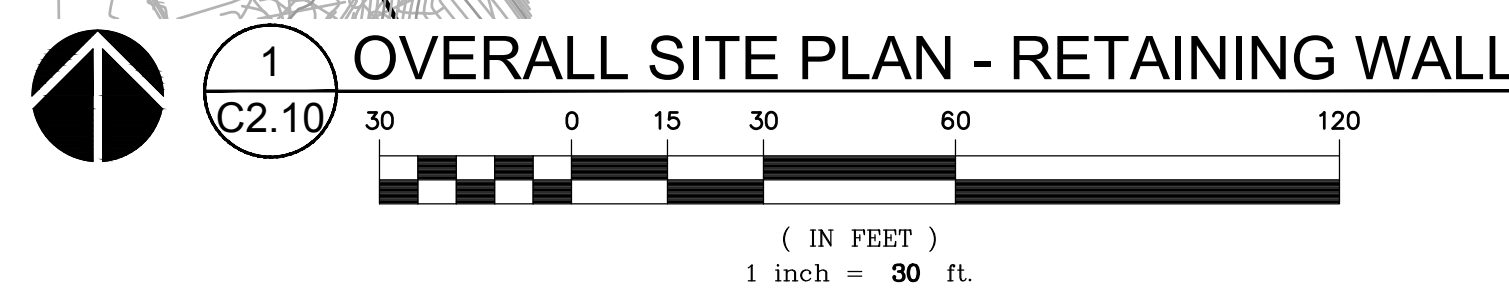
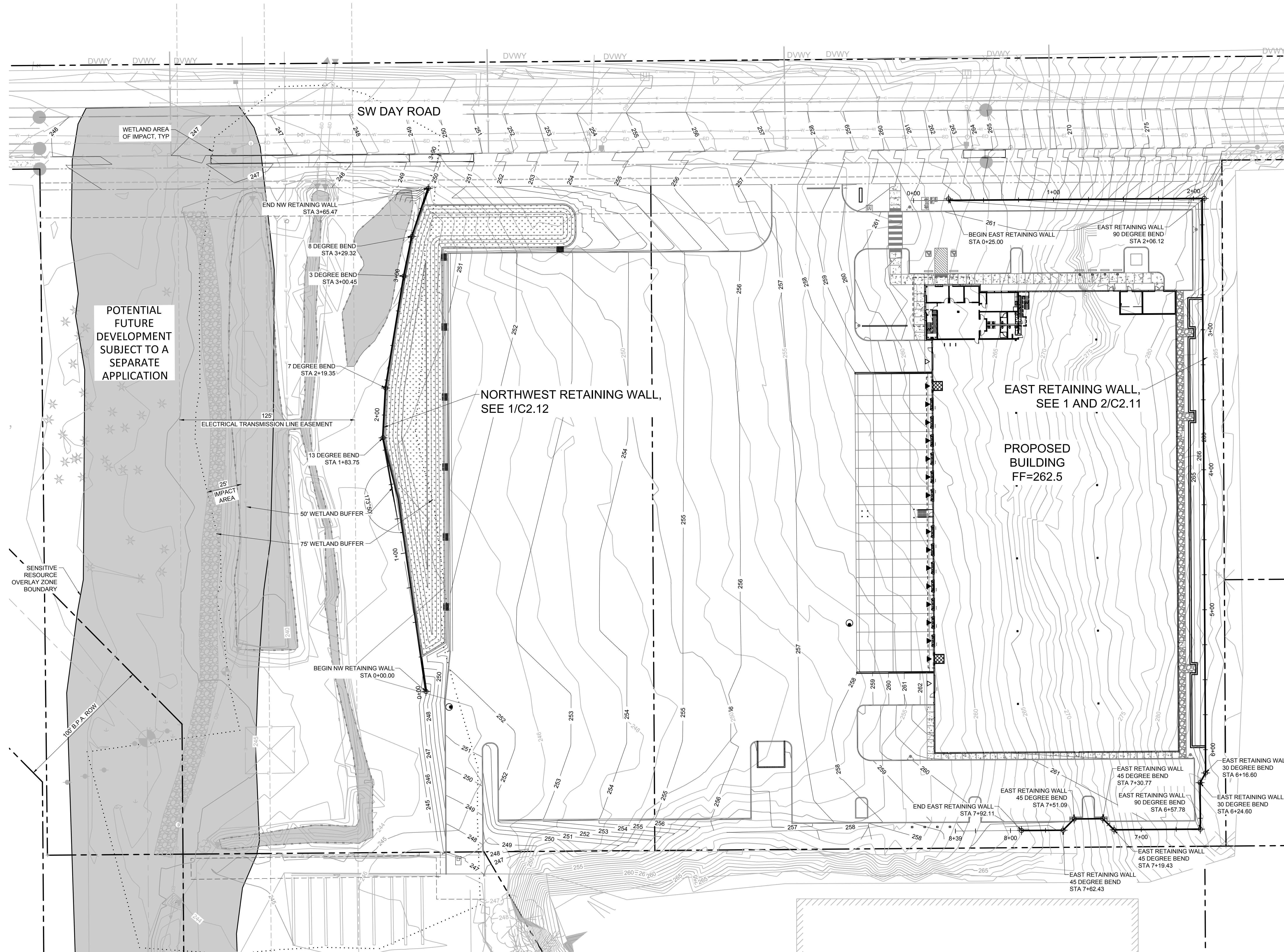
**OVERALL
RETAINING
WALL PLAN**

SHEET

C2.10

JOB NO. **2200502.00**

DEVELOPMENT REVIEW SET - 04/24/23

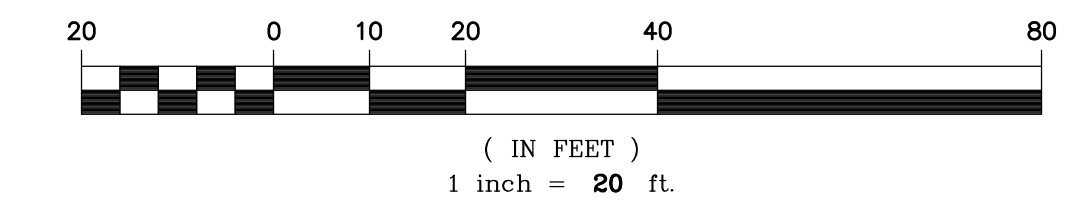


LEGEND

	EXISTING	PROPOSED
RIGHT-OF-WAY	— 590 —	— 590 —
MAJOR CONTOUR	— 591 —	— 591 —
MINOR CONTOUR	— 591 —	— 591 —

NOTE:

WALL ELEVATIONS ARE PROVIDED FOR CONTRACTOR COORDINATION ONLY. WALL FINAL DESIGN TO BE DESIGN-BUILD. REFER TO DESIGN-BUILD PLANS FOR WALL DETAILS, BLOCK LAYOUT, REINFORCING, AND OTHER DETAILS.

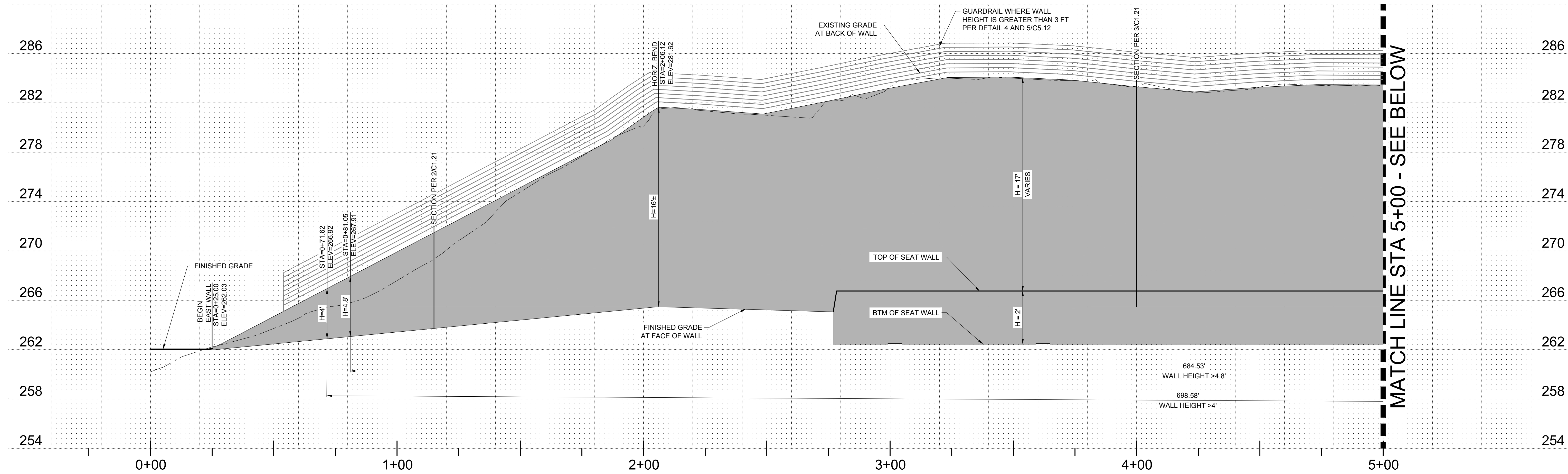


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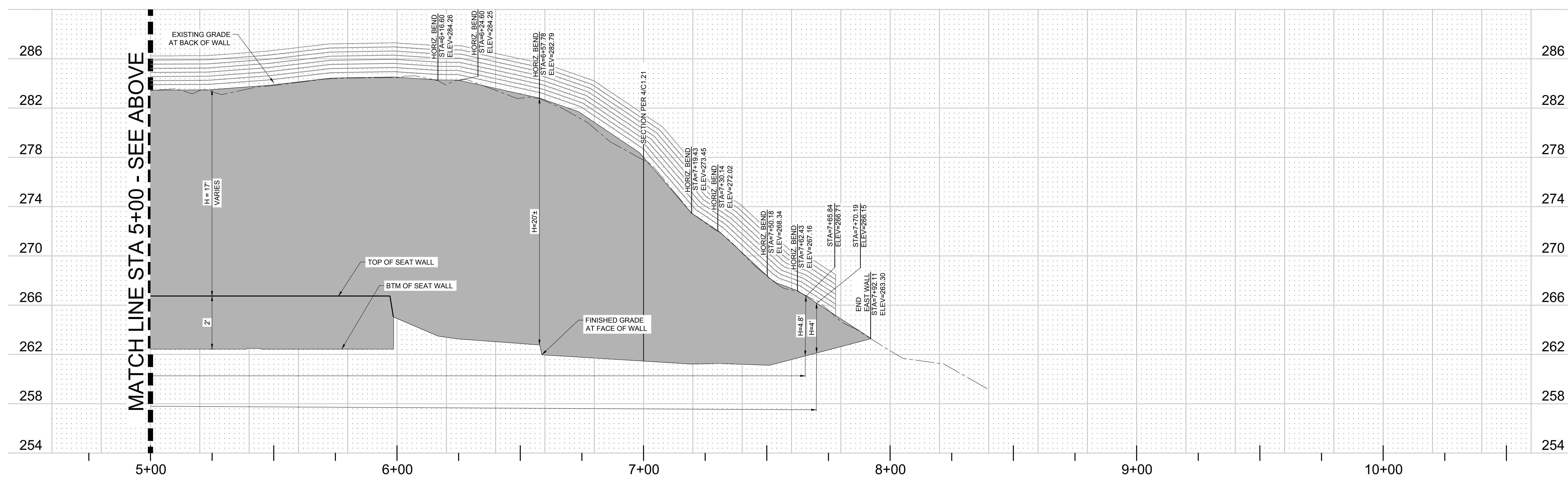
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Project
**DELTA LOGISTICS
SITE EXPANSION**
9710 SW DAY RD.
CITY OF
WILSONVILLE, OR



1 EAST RETAINING WALL PROFILE
C2.11
HORZ. SCALE 1"=20'
VERT. SCALE 1"=5'



2 EAST RETAINING WALL PROFILE
C2.11
HORZ. SCALE 1"=20'
VERT. SCALE 1"=5'

LEGEND

RIGHT-OF-WAY	EXISTING	PROPOSED
MAJOR CONTOUR	590	590
MINOR CONTOUR	591	591

ABBREVIATIONS

FW	GROUND ELEVATION AT FACE OF WALL
BW	GROUND ELEVATION AT BACK OF WALL

NOTE:
WALL ELEVATIONS ARE PROVIDED FOR CONTRACTOR COORDINATION ONLY. WALL FINAL DESIGN TO BE DESIGN-BUILD. REFER TO DESIGN-BUILD PLANS FOR WALL DETAILS, BLOCK LAYOUT, REINFORCING, AND OTHER DETAILS.



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REVISION SCHEDULE

Delta	Issued As	Issue Date
1	PLAN CHECK	07/14/2022

EAST RETAINING WALL PROFILE

SHEET

C2.11

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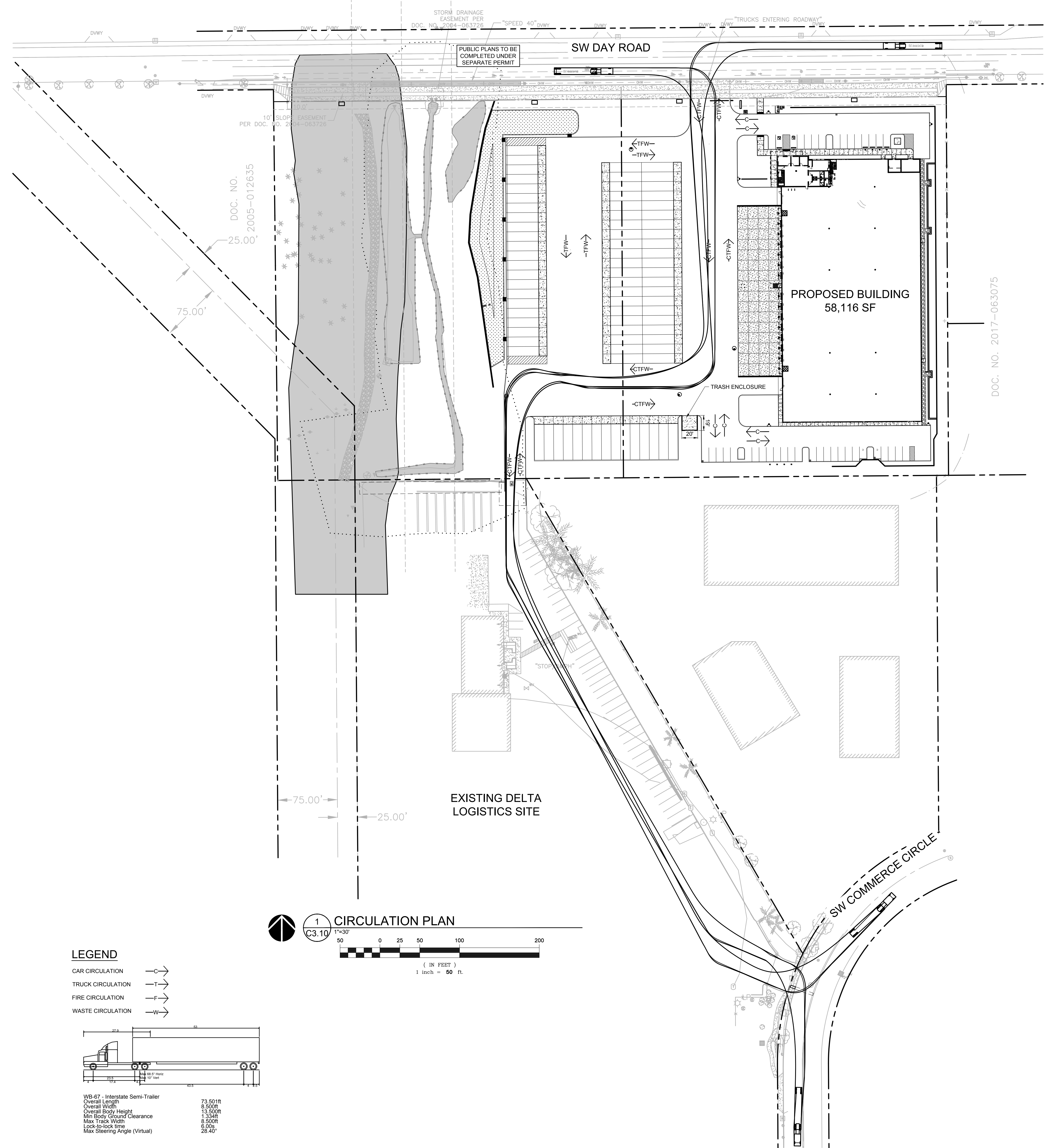
REVISION SCHEDULE			
Delta	Issued As	Issue Date	
1	PLAN CHECK	06/10/2022	
2	LAND USE	11/15/2022	

**CIRCULATION
 PLAN**

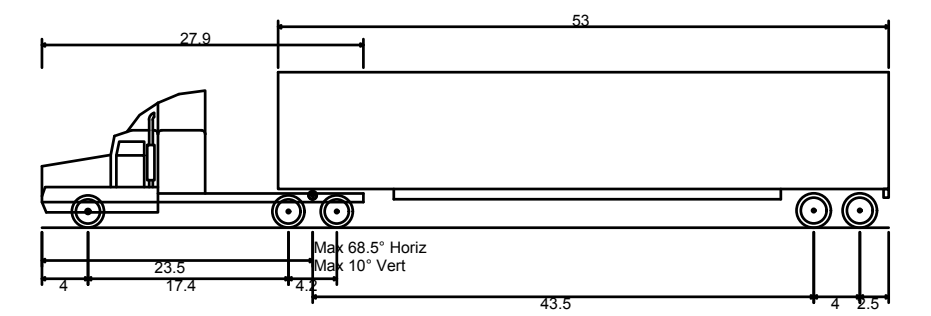
SHEET

C3.10

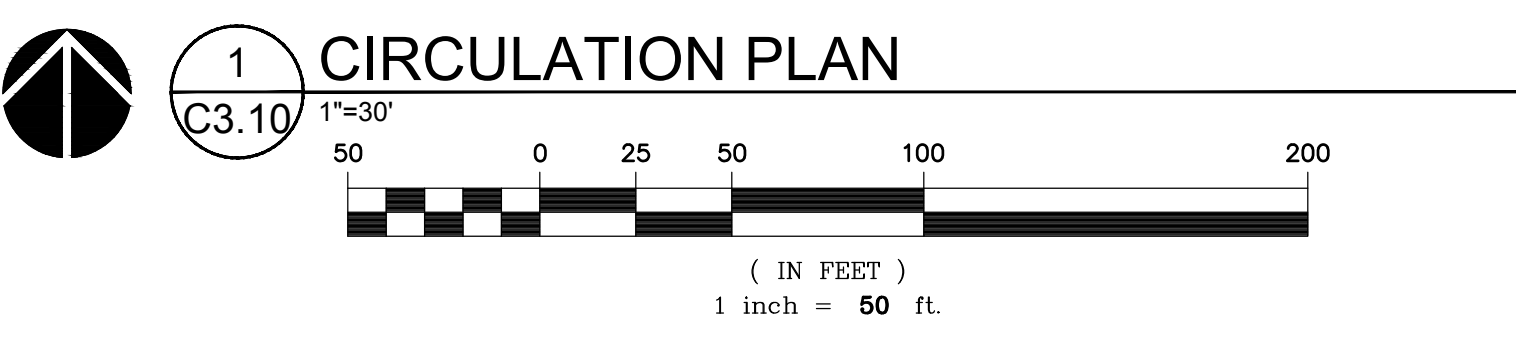
JOB NO. **2200502.00**



- LEGEND**
- CAR CIRCULATION —C—>
 - TRUCK CIRCULATION —T—>
 - FIRE CIRCULATION —F—>
 - WASTE CIRCULATION —W—>



WB-67 - Interstate Semi-Trailer
 Overall Length 73.50ft
 Overall Width 8.50ft
 Overall Body Height 13.50ft
 Min Body Ground Clearance 1.35ft
 Max Truck Width 8.50ft
 Lock-to-lock time 6.01s
 Max Steering Angle (Virtual) 28.40°





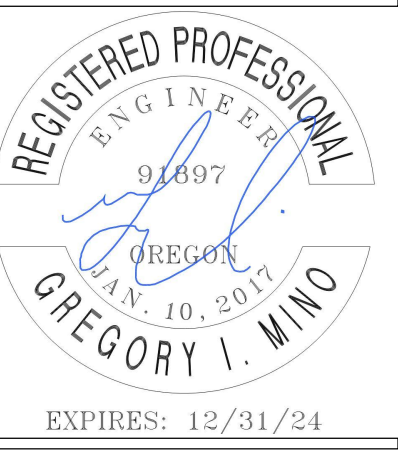
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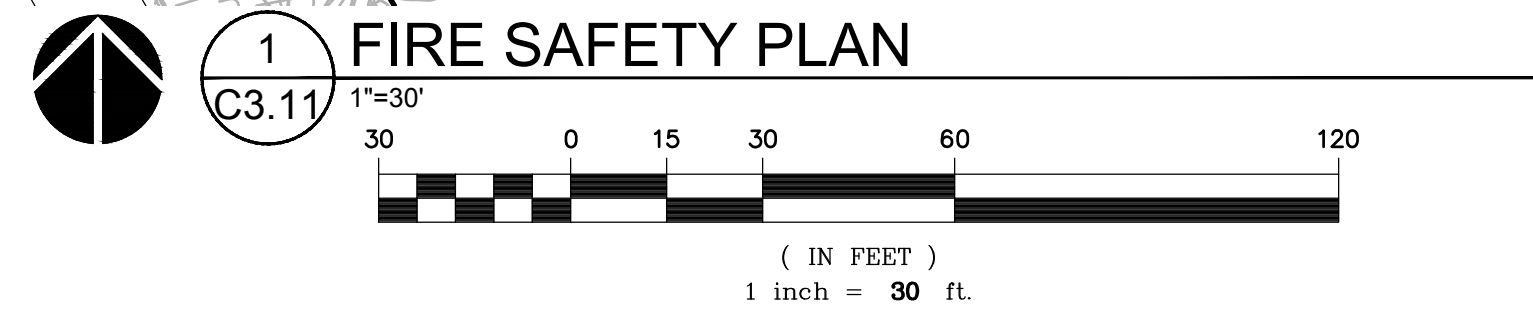
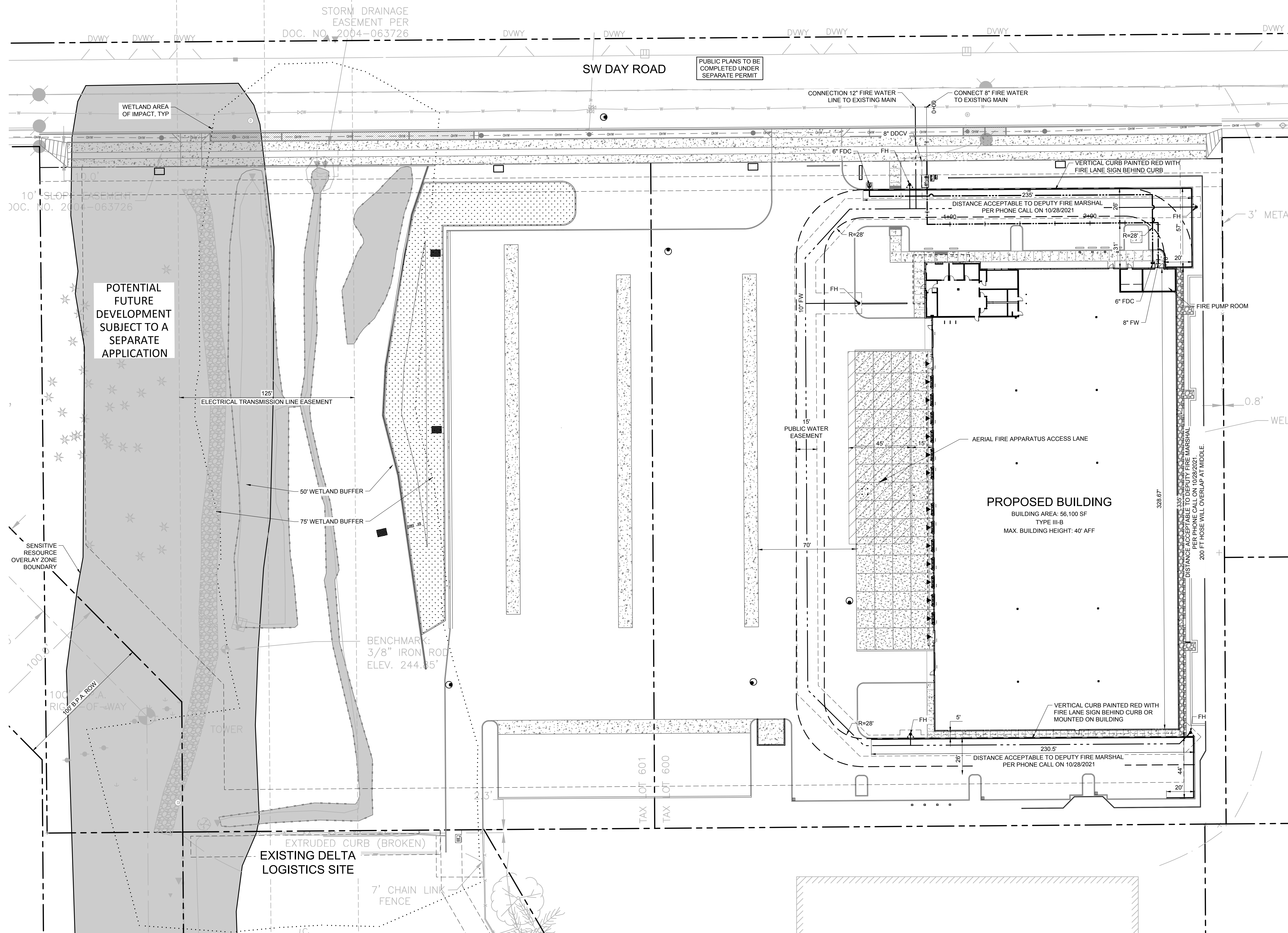
REVISION SCHEDULE		
Delta	Issued As	Issue Date
1	LAND USE	11/15/2022

FIRE SAFETY PLAN

SHEET

C3.11

JOB NO. **2200502.00**



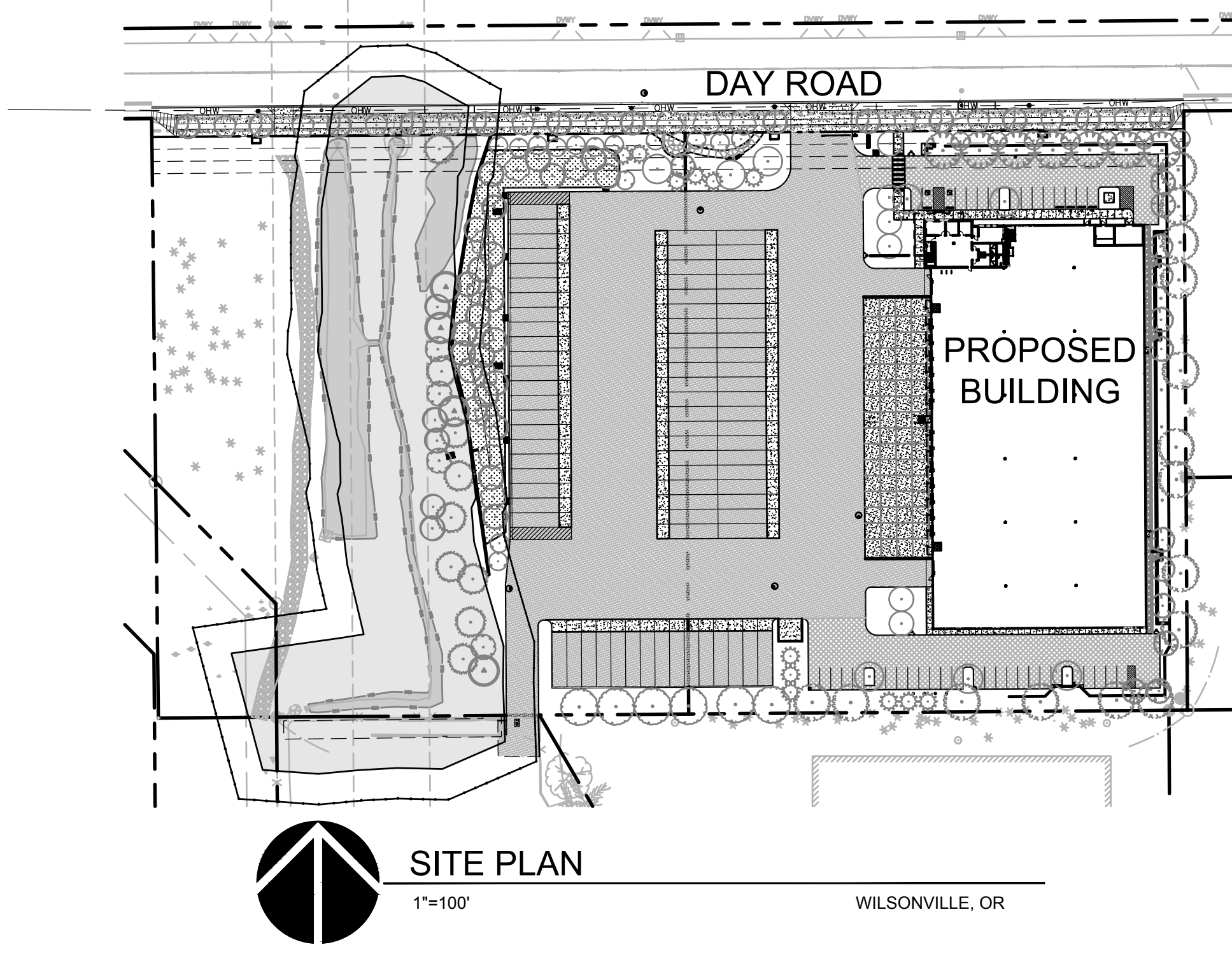
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DELTA LOGISTICS SITE EXPANSION EROSION AND SEDIMENT CONTROL PLAN

WILSONVILLE, OR

TAX LOTS 600, 601 3S102B000601, 3S102B000600

CLACKAMAS COUNTY, OREGON



STANDARD EROSION AND SEDIMENT CONTROL PLAN DRAWING NOTES:

- ONCE KNOWN, INCLUDE A LIST OF ALL CONTRACTORS THAT WILL ENGAGE IN CONSTRUCTION ACTIVITIES ON SITE, AND THE AREAS OF THE SITE WHERE THE CONTRACTOR(S) WILL ENGAGE IN CONSTRUCTION ACTIVITIES. REVISE THE LIST AS APPROPRIATE UNTIL PERMIT COVERAGE IS TERMINATED (SECTION 4.4.C.I). IN ADDITION, INCLUDE A LIST OF ALL PERSONNEL (BY NAME AND POSITION) THAT ARE RESPONSIBLE FOR THE DESIGN, INSTALLATION AND MAINTENANCE OF STORMWATER CONTROL MEASURES (E.G. ESCP DEVELOPER, BMP INSTALLER (SEE SECTION 4.10), AS WELL AS THEIR INDIVIDUAL RESPONSIBILITIES. (SECTION 4.4.C.II)
- VISUAL MONITORING INSPECTION REPORTS MUST BE MADE IN ACCORDANCE WITH DEQ 1200-C PERMIT REQUIREMENTS. (SECTION 6.5)
- INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ'S 1200-C PERMIT REQUIREMENTS. (SECTION 6.5)
- RETAIN A COPY OF THE ESCP AND ALL REVISIONS ON SITE AND MAKE IT AVAILABLE ON REQUEST TO DEQ, AGENT, OR THE LOCAL MUNICIPALITY. (SECTION 4.7)
- THE PERMIT REGISTRANT MUST IMPLEMENT THE ESCP. FAILURE TO IMPLEMENT ANY OF THE CONTROL MEASURES OR PRACTICES DESCRIBED IN THE ESCP IS A VIOLATION OF THE PERMIT. (SECTIONS 4 AND 4.11) THE ESCP MUST BE ACCURATE AND REFLECT SITE CONDITIONS. (SECTION 4.8)
- SUBMISSION OF ALL ESCP REVISIONS IS NOT REQUIRED. SUBMITTAL OF THE ESCP REVISIONS IS ONLY UNDER SPECIFIC CONDITIONS. SUBMIT ALL NECESSARY REVISION TO DEQ OR AGENT WITHIN 10 DAYS. (SECTION 4.9)
- SEQUENCE CLEARING AND GRADING TO THE MAXIMUM EXTENT PRACTICAL TO PREVENT EXPOSED INACTIVE AREAS FROM BECOMING A SOURCE OF EROSION. (SECTION 2.2.2)
- CREATE SMOOTH SURFACES BETWEEN SOIL SURFACE AND EROSION AND SEDIMENT CONTROLS TO PREVENT STORMWATER FROM BYPASSING CONTROLS AND PONDING. (SECTION 2.2.3)
- IDENTIFY, MARK, AND PROTECT (BY CONSTRUCTION FENCING OR OTHER MEANS) CRITICAL RIPARIAN AREAS AND VEGETATION INCLUDING IMPORTANT TREES AND ASSOCIATED ROOTING ZONES, AND VEGETATION AREAS TO BE PRESERVED. IDENTIFY VEGETATIVE BUFFER ZONES BETWEEN THE SITE AND SENSITIVE AREAS (E.G., WETLANDS), AND OTHER AREAS TO BE PRESERVED, ESPECIALLY IN PERIMETER AREAS. (SECTION 2.2.1)
- PRESERVE EXISTING VEGETATION WHEN PRACTICAL AND RE-VEGETATE OPEN AREAS. RE-VEGETATE OPEN AREAS WHEN PRACTICABLE BEFORE AND AFTER GRADING OR CONSTRUCTION. IDENTIFY THE TYPE OF VEGETATIVE SEED MIX USED. (SECTION 2.2.5)
- MAINTAIN AND DELINEATE ANY EXISTING NATURAL BUFFER WITHIN THE 50-FOOT OF WATERS OF THE STATE. (SECTION 2.2.4)
- INSTALL PERIMETER SEDIMENT CONTROL, INCLUDING STORM DRAIN INLET PROTECTION AS WELL AS ALL SEDIMENT BASINS, TRAPS, AND BARRIERS PRIOR TO LAND DISTURBANCE. (SECTIONS 2.1.3)
- CONTROL BOTH PEAK FLOW RATES AND TOTAL STORMWATER VOLUME, TO MINIMIZE EROSION AT OUTLETS AND DOWNSTREAM CHANNELS AND STREAMBANKS. (SECTIONS 2.1.1 AND 2.2.16)
- CONTROL SEDIMENT AS NEEDED ALONG THE SITE PERIMETER AND AT ALL OPERATIONAL INTERNAL STORM DRAIN INLETS AT ALL TIMES DURING CONSTRUCTION, BOTH INTERNALLY AND AT THE SITE BOUNDARY. (SECTIONS 2.2.8 AND 2.2.13)
- ESTABLISH CONCRETE TRUCK AND OTHER CONCRETE EQUIPMENT WASHOUT AREAS BEFORE BEGINNING CONCRETE WORK. (SECTION 2.2.14)
- APPLY TEMPORARY AND/OR PERMANENT SOIL STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS AS GRADING PROGRESSES. TEMPORARY OR PERMANENT STABILIZATION MEASURES ARE NOT REQUIRED FOR AREAS THAT ARE INTENDED TO BE LEFT UNVEGETATED, SUCH AS DIRT ACCESS ROADS OR UTILITY POLE PADS. (SECTIONS 2.2.20 AND 2.2.21)
- ESTABLISH MATERIAL AND WASTE STORAGE AREAS, AND OTHER NON-STORMWATER CONTROLS. (SECTION 2.3.7)
- KEEP WASTE CONTAINER LIDS CLOSED WHEN NOT IN USE AND CLOSE LIDS AT THE END OF THE BUSINESS DAY FOR THOSE CONTAINERS THAT ARE ACTIVELY USED THROUGHOUT THE DAY. FOR WASTE CONTAINERS THAT DO NOT HAVE LIDS, PROVIDE EITHER (1) COVER (E.G., A TARP, PLASTIC SHEETING, TEMPORARY ROOF) TO PREVENT EXPOSURE OF WASTES TO PRECIPITATION, OR (2) A SIMILARLY EFFECTIVE MEANS DESIGNED TO PREVENT THE DISCHARGE OF POLLUTANTS (E.G., SECONDARY CONTAINMENT). (SECTION 2.3.7)
- PREVENT TRACKING OF SEDIMENT ONTO PUBLIC OR PRIVATE ROADS USING BMPs SUCH AS: CONSTRUCTION ENTRANCE, GRAVELED (OR PAVED) EXITS AND PARKING AREAS, GRAVELED UNPAVED ROADS LOCATED ON-SITE, OR USE AN EXIT TIRE WASH. THESE BMPs MUST BE IN PLACE PRIOR TO LAND-DISTURBING ACTIVITIES. (SECTION 2.2.7)
- WHEN TRUCKING SATURATED SOILS FROM THE SITE, EITHER USE WATER-TIGHT TRUCKS OR DRAIN LOADS ON SITE. (SECTION 2.2.7.F)
- CONTROL PROHIBITED DISCHARGES FROM LEAVING THE CONSTRUCTION SITE, I.E., CONCRETE WASH-OUT, WASTEWATER FROM CLEANOUT OF STUCCO, PAINT AND CURING COMPOUNDS. (SECTIONS 1.5 AND 2.3.9)
- ENSURE THAT STEEP SLOPE AREAS WHERE CONSTRUCTION ACTIVITIES ARE NOT OCCURRING ARE NOT DISTURBED. (SECTION 2.2.10)
- PREVENT SOIL COMPACTION IN AREAS WHERE POST-CONSTRUCTION INFILTRATION FACILITIES ARE TO BE INSTALLED. (SECTION 2.2.12)
- USE BMPs TO PREVENT OR MINIMIZE STORMWATER EXPOSURE TO POLLUTANTS FROM SPILLS, VEHICLE AND EQUIPMENT FUELING, MAINTENANCE, AND STORAGE; OTHER CLEANING AND MAINTENANCE ACTIVITIES; AND WASTE HANDLING ACTIVITIES. THESE POLLUTANTS INCLUDE FUELS, OILS, OTHER FLUIDS FROM VEHICLES AND MACHINERY, AS WELL AS DEBRIS, FERTILIZER, PESTICIDES AND HERBICIDES, PAINTS, SOLVENTS, CURING COMPOUNDS AND ADHESIVES FROM CONSTRUCTION OPERATIONS. (SECTIONS 2.2.15 AND 2.3)
- PROVIDE PLANS FOR SEDIMENTATION BASINS THAT HAVE BEEN DESIGNED PER SECTION 2.2.17 AND STAMPED BY AN OREGON PROFESSIONAL ENGINEER. (SEE SECTION 2.2.17.A)
- IF ENGINEERED SOILS ARE USED ON SITE, A SEDIMENTATION BASIN/POUNDMENT MUST BE INSTALLED. (SEE SECTIONS 2.2.17 AND 2.2.18)
- PROVIDE A DEWATERING PLAN FOR ACCUMULATED WATER FROM PRECIPITATION AND UNCONTAMINATED GROUNDWATER SEEPAGE DUE TO SHALLOW EXCAVATION ACTIVITIES. (SEE SECTION 2.4)
- IMPLEMENT THE FOLLOWING BMPs WHEN APPLICABLE: WRITTEN SPILL PREVENTION AND RESPONSE PROCEDURES, EMPLOYEE TRAINING ON SPILL PREVENTION AND PROPER DISPOSAL PROCEDURES, SPILL KITS IN ALL VEHICLES, REGULAR MAINTENANCE SCHEDULE FOR VEHICLES AND MACHINERY, MATERIAL DELIVERY AND STORAGE CONTROLS, TRAINING AND SIGNAGE, AND COVERED STORAGE AREAS FOR WASTE AND SUPPLIES. (SECTION 2.3)
- USE WATER, SOIL-BINDING AGENT OR OTHER DUST CONTROL TECHNIQUE AS NEEDED TO AVOID WIND-BLOWN SOIL. (SECTION 2.2.9)
- THE APPLICATION RATE OF FERTILIZERS USED TO REESTABLISH VEGETATION MUST FOLLOW MANUFACTURER'S RECOMMENDATIONS TO MINIMIZE NUTRIENT RELEASES TO SURFACE WATERS. EXERCISE CAUTION WHEN USING TIME-RELEASE FERTILIZERS WITHIN ANY WATERWAY RIPARIAN ZONE. (SECTION 2.3.5)
- IF AN ACTIVE TREATMENT SYSTEM (FOR EXAMPLE, ELECTRO-COAGULATION, FLOCCULATION, FILTRATION, ETC.) FOR SEDIMENT OR OTHER POLLUTANT REMOVAL IS EMPLOYED, SUBMIT AN OPERATION AND MAINTENANCE PLAN (INCLUDING SYSTEM SCHEMATIC, LOCATION OF SYSTEM, LOCATION OF INLET, LOCATION OF DISCHARGE, DISCHARGE DISPERSION DEVICE DESIGN, AND A SAMPLING PLAN AND FREQUENCY) BEFORE OPERATING THE TREATMENT SYSTEM. OBTAIN ENVIRONMENTAL MANAGEMENT PLAN APPROVAL FROM DEQ BEFORE OPERATING THE TREATMENT SYSTEM, OPERATE AND MAINTAIN THE TREATMENT SYSTEM ACCORDING TO MANUFACTURER'S SPECIFICATIONS. (SECTION 1.2.9)
- TEMPORARILY STABILIZE SOILS AT THE END OF THE SHIFT BEFORE HOLIDAYS AND WEEKENDS, IF NEEDED. THE REGISTRANT IS RESPONSIBLE FOR ENSURING THAT SOILS ARE STABLE DURING RAIN EVENTS AT ALL TIMES OF THE YEAR. (SECTION 2.2)
- AS NEEDED BASED ON WEATHER CONDITIONS, AT THE END OF EACH WORKDAY SOIL STOCKPILES MUST BE STABILIZED OR COVERED, OR OTHER BMPs MUST BE IMPLEMENTED TO PREVENT DISCHARGES TO SURFACE WATERS OR CONVEYANCE SYSTEMS LEADING TO SURFACE WATERS. (SECTION 2.2.8)
- SEDIMENT FENCE: REMOVE TRAPPED SEDIMENT BEFORE IT REACHES ONE THIRD OF THE ABOVE GROUND FENCE HEIGHT AND BEFORE FENCE REMOVAL. (SECTION 2.1.5.B)
- OTHER SEDIMENT BARRIERS (SUCH AS BIOBAGS): REMOVE SEDIMENT BEFORE IT REACHES TWO INCHES DEPTH ABOVE GROUND HEIGHT AND BEFORE BMP REMOVAL. (SECTION 2.1.5.C)
- CATCH BASINS: CLEAN BEFORE RETENTION CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT. SEDIMENT BASINS AND SEDIMENT TRAPS: REMOVE TRAPPED SEDIMENTS BEFORE DESIGN CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT AND AT COMPLETION OF PROJECT. (SECTION 2.1.5.D)
- WITHIN 24 HOURS, SIGNIFICANT SEDIMENT THAT HAS LEFT THE CONSTRUCTION SITE, MUST BE REMEDIATED. INVESTIGATE THE CAUSE OF THE SEDIMENT RELEASE AND IMPLEMENT STEPS TO PREVENT A REOCCURRENCE OF THE DISCHARGE WITHIN THE SAME 24 HOURS. ANY IN-STREAM CLEAN-UP OF SEDIMENT SHALL BE PERFORMED ACCORDING TO THE OREGON DEPARTMENT OF STATE LANDS REQUIRED TIMEFRAME. (SECTION 2.2.19.A)
- THE INTENTIONAL WASHING OF SEDIMENT INTO STORM SEWERS OR DRAINAGEWAYS MUST NOT OCCUR. VACUUMING OR DRY SWEEPING AND MATERIAL PICK-UP MUST BE USED TO CLEANUP RELEASED SEDIMENTS. (SECTION 2.2.19)
- DOCUMENT ANY PORTION(S) OF THE SITE WHERE LAND DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED OR WILL BE TEMPORARILY INACTIVE FOR 14 OR MORE CALENDAR DAYS. (SECTION 6.5.F)
- PROVIDE TEMPORARY STABILIZATION FOR THAT PORTION OF THE SITE WHERE CONSTRUCTION ACTIVITIES CEASE FOR 14 DAYS OR MORE WITH A COVERING OF BLOWN STRAW AND A TACKIFIER, LOOSE STRAW, OR AN ADEQUATE COVERING OF COMPOST MULCH UNTIL WORK RESUMES ON THAT PORTION OF THE SITE. (SECTION 2.2.20)
- DO NOT REMOVE TEMPORARY SEDIMENT CONTROL PRACTICES UNTIL PERMANENT VEGETATION OR OTHER COVER OF EXPOSED AREAS IS ESTABLISHED. ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED, ALL TEMPORARY EROSION CONTROLS AND RETAINED SOILS MUST BE REMOVED AND DISPOSED OF PROPERLY, UNLESS NEEDED FOR LONG TERM USE FOLLOWING TERMINATION OF PERMIT COVERAGE. (SECTION 2.2.21)

BMP MATRIX FOR CONSTRUCTION PHASES

REFER TO DEQ GUIDANCE MANUAL FOR A COMPREHENSIVE LIST OF AVAILABLE BMPs.

	DEMOLITION	CLEARING	MASS GRADING	UTILITY INSTALLATION	STREET CONSTRUCTION	FINAL STABILIZATION	WET WEATHER (OCT. 1 - MAY 31ST)
EROSION PREVENTION							
PRESERVE NATURAL VEGETATION	**X	X				X	X
GROUND COVER						X	X
HYDRAULIC APPLICATIONS			X	X	X		X
PLASTIC SHEETING			X	X	X		X
STRAW MULCH COVER	X						X
ROCK COVER							
DUST CONTROL	X	X	X	X	X		
TEMPORARY/PERMANENT SEEDING	X		X	X	X	X	X
BUFFER ZONE	**X	X	X	X	X	X	X
OTHER:							
SEDIMENT CONTROL							
SEDIMENT FENCE (INTERIOR)	**X	**X	X	X	X	X	X
STRAW WATTLES	**X	**X	X	X	X	X	X
FILTER BERM							
INLET PROTECTION	**X	**X	X	X	X	X	X
DEWATERING				X			
SEDIMENT TRAP							
NATURAL BUFFER ENCROACHMENT	X	X	X	X	X	X	X
OTHER:							
RUNOFF CONTROL							
CONSTRUCTION ENTRANCE	**X	**X	X	X			X
PIPE SLOPE DRAIN				X			
OUTLET PROTECTION				X			
SURFACE ROUGHENING			X	X	X	X	X
CHECK DAMS		X		X			X
OTHER:							
POLLUTION PREVENTION							
PROPER SIGNAGE	X	X	X	X	X	X	X
HAZ WASTE MGMT	X	X	X	X	X	X	X
SPILL KIT ON-SITE	X	X	X	X	X	X	X
CONCRETE WASHOUT AREA	X	X	X	X	X	X	X
OTHER:							

* SIGNIFIES ADDITIONAL BMPs REQUIRED FOR WORK WITHIN 50' OF WATER OF THE STATE.
** SIGNIFIES BMP THAT WILL BE INSTALLED PRIOR TO ANY GROUND DISTURBING ACTIVITY.

INSPECTION FREQUENCY TABLE

SITE CONDITION	MINIMUM FREQUENCY
1. ACTIVE PERIOD	ON INITIAL DATE THAT LAND DISTURBANCE ACTIVITIES COMMENCE. WITHIN 24 HOURS OF ANY STORM EVENT, INCLUDING RUNOFF FROM SNOWMELT, IS OCCURRING AND RESULTS IN DISCHARGE FROM THE SITE. AT LEAST ONCE EVERY FOURTEEN (14) DAYS, REGARDLESS OF WHETHER STORMWATER RUNOFF IS OCCURRING.
2. PRIOR TO THE SITE BECOMING INACTIVE OR IN ANTICIPATION OF SITE INACCESSIBILITY.	ONCE TO ENSURE THAT EROSION AND SEDIMENT CONTROL MEASURES ARE IN WORKING ORDER. ANY NECESSARY MAINTENANCE AND REPAIR MUST BE MADE PRIOR TO LEAVING THE SITE.
3. INACTIVE PERIODS GREATER THAN FOURTEEN (14) CONSECUTIVE CALENDAR DAYS.	THE INSPECTOR MAY REDUCE THE FREQUENCY OF INSPECTIONS IN ANY AREA OF THE SITE WHERE THE STABILIZATION STEPS IN SECTION 2.2.20 HAVE BEEN COMPLETED TO TWICE PER MONTH FOR THE FIRST MONTH, NO LESS THAN 14 CALENDAR DAYS APART, THEN ONCE PER MONTH.
4. PERIODS DURING WHICH THE SITE IS INACCESSIBLE DUE TO INCLEMENT WEATHER.	IF SAFE, ACCESSIBLE, AND PRACTICAL, INSPECTIONS MUST OCCUR DAILY AT A RELEVANT AND ACCESSIBLE DISCHARGE POINT OR DOWNSTREAM LOCATION OF THE RECEIVING WATERBODY.
5. PERIODS DURING WHICH CONSTRUCTION ACTIVITIES ARE SUSPENDED AND RUNOFF IS UNLIKELY DUE TO FROZEN CONDITIONS.	VISUAL MONITORING INSPECTIONS MAY BE TEMPORARILY SUSPENDED. IMMEDIATELY RESUME MONITORING UPON THAWING, OR WHEN WEATHER CONDITIONS MAKE DISCHARGES LIKELY.
6. PERIODS DURING WHICH CONSTRUCTION ACTIVITIES ARE CONDUCTED AND RUNOFF IS UNLIKELY DURING FROZEN CONDITIONS.	MONTHLY RESUME MONITORING IMMEDIATELY UPON MELT, OR WHEN WEATHER CONDITIONS MAKE DISCHARGES LIKELY.

- HOLD A PRE-CONSTRUCTION MEETING OF PROJECT PERSONNEL THAT INCLUDED THE INSPECTOR TO DISCUSS EROSION AND SEDIMENT CONTROL MEASURES AND CONSTRUCTION LIMITS
- ALL INSPECTIONS MUST BE MADE IN ACCORDANCE WITH DEQ 1200-C PERMIT REQUIREMENTS
- INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ'S 1200-C PERMIT REQUIREMENTS
- RETAIN A COPY OF THE ESCP AND ALL REVISIONS ON SITE AND MAKE IT AVAILABLE ON REQUEST TO DEQ, AGENT, OR THE LOCAL MUNICIPALITY. DURING INACTIVE PERIODS OF GREATER THAN SEVEN (7) CONSECUTIVE CALENDAR DAYS, RETAIN THE ESCP AT THE CONSTRUCTION SITE OR AT ANOTHER LOCATION.

THE PERMITTEE IS REQUIRED TO MEET ALL THE CONDITIONS OF THE 1200-C PERMIT. THIS ESCP AND GENERAL CONDITIONS HAVE BEEN DEVELOPED TO FACILITATE COMPLIANCE WITH THE 1200-C PERMIT REQUIREMENTS. IN CASES OF DISCREPANCIES OR OMISSIONS, THE 1200-C PERMIT REQUIREMENTS SUPERCEDE REQUIREMENTS OF THIS PLAN.

LOCAL AGENCY-SPECIFIC EROSION CONTROL NOTES:

- IF VEGETATIVE SEED MIXES ARE SPECIFIED, SEEDING MUST TAKE PLACE NO LATER THAN SEPTEMBER 1; THE TYPE AND PERCENTAGES OF SEED IN THE MIX MUST BE IDENTIFIED ON THE PLANS.
- ALL PUMPING OF SEDIMENT LADEN WATER SHALL BE DISCHARGED OVER AN UNDISTURBED, PREFERABLY VEGETATED AREA, AND THROUGH A SEDIMENT CONTROL BMP (E. FILTER BAG).
- ALL EXPOSED SOILS MUST BE COVERED DURING THE WET WEATHER PERIOD, OCTOBER 01 - MAY 31.

EROSION AND SEDIMENT CONTROL PLANS SHEET INDEX

C4.00	EROSION AND SEDIMENT CONTROL COVER SHEET
C4.10	DEMOLITION ESC PLAN
C4.20	CLEARING ESC PLAN
C4.30	MASS GRADING AND STABILIZATION RUNOFF CONTROL PLAN
C4.40	UTILITY CONSTRUCTION ESC PLAN
C4.50	FOUNDATION ESC PLAN
C4.60	EROSION AND SEDIMENT CONTROL PLAN DETAILS

GENERAL PERMIT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
STORMWATER DISCHARGE PERMIT
DATE: 09/15/2020
FILE NO. 127017
EPA NO. ORR105282

NARRATIVE DESCRIPTIONS

EXISTING SITE CONDITIONS

* UNDEVELOPED LAND

DEVELOPED CONDITIONS

* INDUSTRIAL BUILDING AND STORAGE

NATURE OF CONSTRUCTION ACTIVITY AND ESTIMATED TIME TABLE

*DEMOLITION	OCT 2022 TO NOV 2022
*CLEARING AND GRUBBING	MAR 2023 TO JUN 2023
*MASS GRADING	APR 2023 TO JULY 2023
*UTILITY INSTALLATION	JULY 2023 TO AUG 2023
*SITE CONSTRUCTION	AUG 2023 TO OCT 2023
*FINAL STABILIZATION	OCT 2023 TO NOV 2023

TOTAL SITE AREA = 386,732 SF (6.74 AC)

TOTAL DISTURBED AREA = 271,121 SF (6.22 AC)

SITE SOIL CLASSIFICATION: (FROM USGS)

5B - BRIEDWELL STONY SILT LOAM, 0 TO 7 % SLOPES
37B - QUATAMA LOAM, 3 TO 7 % SLOPES
38B - SAUM SILT LOAM, 2 TO 7 % SLOPES
39C - SAUM SILT LOAM, 7 TO 12 % SLOPES
38D - SAUM SILT LOAM, 12 TO 20 % SLOPES
43 - WAPATO SILTY CLAY LOAM
63B - SALEM GRAVELLY SILT LOAM, 0 TO 7 % SLOPES

RECEIVING WATER BODIES:

NEAREST WATER BODY: COFFEE LAKE CREEK

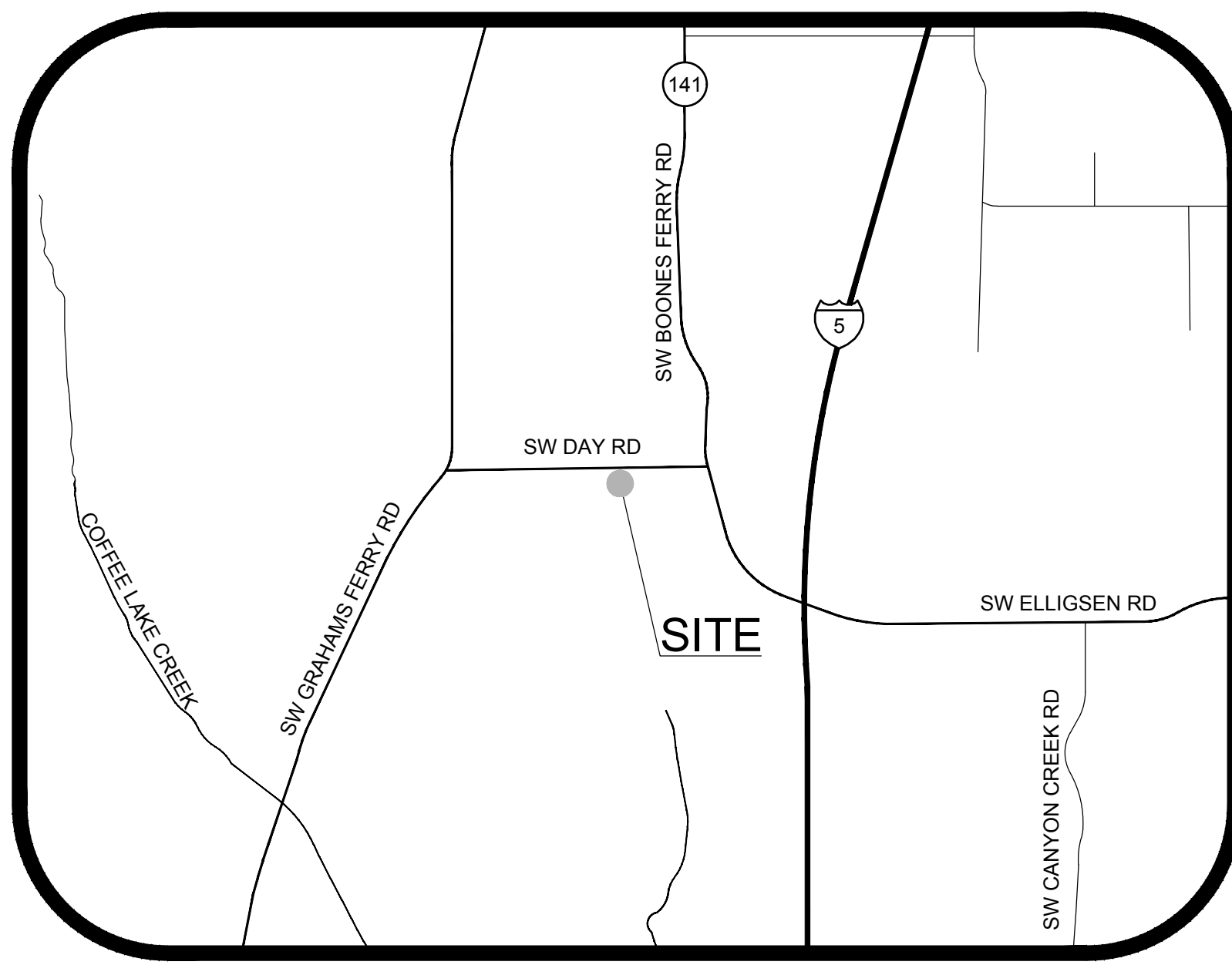
PERMITTEE'S SITE INSPECTOR:

COMPANY: BUILT ENVIRONMENTS NORTHWEST
INSPECTOR: PETER ZAGARYUK
PHONE: (503) 816-1219
E-MAIL: VZEKAVATION@GMAIL.COM
CERTIFICATION: CWT21-1240, EXPIRES 05/13/2024

RATIONALE STATEMENT

A COMPREHENSIVE LIST OF AVAILABLE BEST MANAGEMENT PRACTICES (BMP) OPTIONS BASED ON DEQ'S GUIDANCE MANUAL HAS BEEN REVIEWED TO COMPLETE THIS EROSION AND SEDIMENT CONTROL PLAN. SOME OF THE ABOVE LISTED BMPs WERE NOT CHOSEN BECAUSE THEY WERE DETERMINED TO NOT EFFECTIVELY MANAGE EROSION PREVENTION AND SEDIMENT CONTROL FOR THIS PROJECT BASED ON SPECIFIC SITE CONDITIONS, INCLUDING SOIL CONDITIONS TOPOGRAPHIC CONSTRAINTS, ACCESSIBILITY TO THE SITE, AND OTHER RELATED CONDITIONS, AS THE PROJECT PROGRESSES AND THERE IS A NEED TO REVISE THE ESCP PLAN, AN ACTION PLAN WILL BE SUBMITTED.

INITIAL _____



PROJECT LOCATION: PROPERTY DESCRIPTION:

ALONG SW DAY ROAD BETWEEN SW GRAHAM'S FERRY ROAD AND SW BOONES FERRY ROAD WILSONVILLE, OR 97223
LATITUDE = 45°20'23"
LONGITUDE = -122°46'41"

PHYSICAL DESCRIPTION: ALONG SW DAY ROAD BETWEEN SW GRAHAM'S FERRY ROAD AND SW BOONES FERRY ROAD
TAX LOTS: 600, 601
TOWNSHIP 3 SOUTH, RANGE 1 WEST
CLACKAMAS COUNTY, OREGON

ATTENTION EXCAVATORS:

OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 852-001-0010 THROUGH OAR 852-001-0090. YOU MAY OBTAIN COPIES OF THESE RULES FROM THE CENTER BY CALLING 503-232-1987. IF YOU HAVE ANY QUESTIONS ABOUT THE RULES, YOU MAY CONTACT THE CENTER. YOU MUST NOTIFY THE CENTER AT LEAST TWO BUSINESS DAYS BEFORE COMMENCING AN EXCAVATION. CALL 503-246-6699.

GENERAL NOTE:

THIS PLAN SHOWS THE MINIMUM SUGGESTED LEVEL OF EROSION AND SEDIMENT CONTROL PROTECTION REQUIRED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO IMPLEMENT ADDITIONAL MEASURES AS NECESSARY TO COMPLY WITH ALL PERMITS, LOCAL, AND STATE REQUIREMENTS.

CLIENT

DELTA LOGISTICS
CONTACT: IGOR NICHIPORCHIK
9835 SW COMMERCE CIR
WILSONVILLE, OR
PHONE: (503) 665-2200
IGOR@DELTAFREIGHTINC.COM

CIVIL ENGINEERING

MACKENZIE
CONTACT (PUBLIC): GREG MINO
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PHONE: (971) 346-3702
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CONTACT (PRIVATE): BREEZY RINEHART
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PORTLAND, OR 97214
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SURVEYOR

WEDDLE SURVEYING INC.
CONTACT: MICHAEL RENNICK
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PLANNING

MACKENZIE
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PORTLAND, OR 97214
PHONE: 503-224-9560
LLEIGHTON@MCKENZIE.COM

Client
DELTA LOGISTICS
9835 SW COMMERCE CIRCLE
WILSONVILLE, OR 97070

Project
DELTA LOGISTICS
SITE EXPANSION
9710 SW DAY RD.
CITY OF WILSONVILLE, OR



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REVISION SCHEDULE		
Delta	Issued As	Issue Date

EROSION AND SEDIMENT CONTROL COVER SHEET

SHEET

C4.00

JOB NO. **2200502.00**

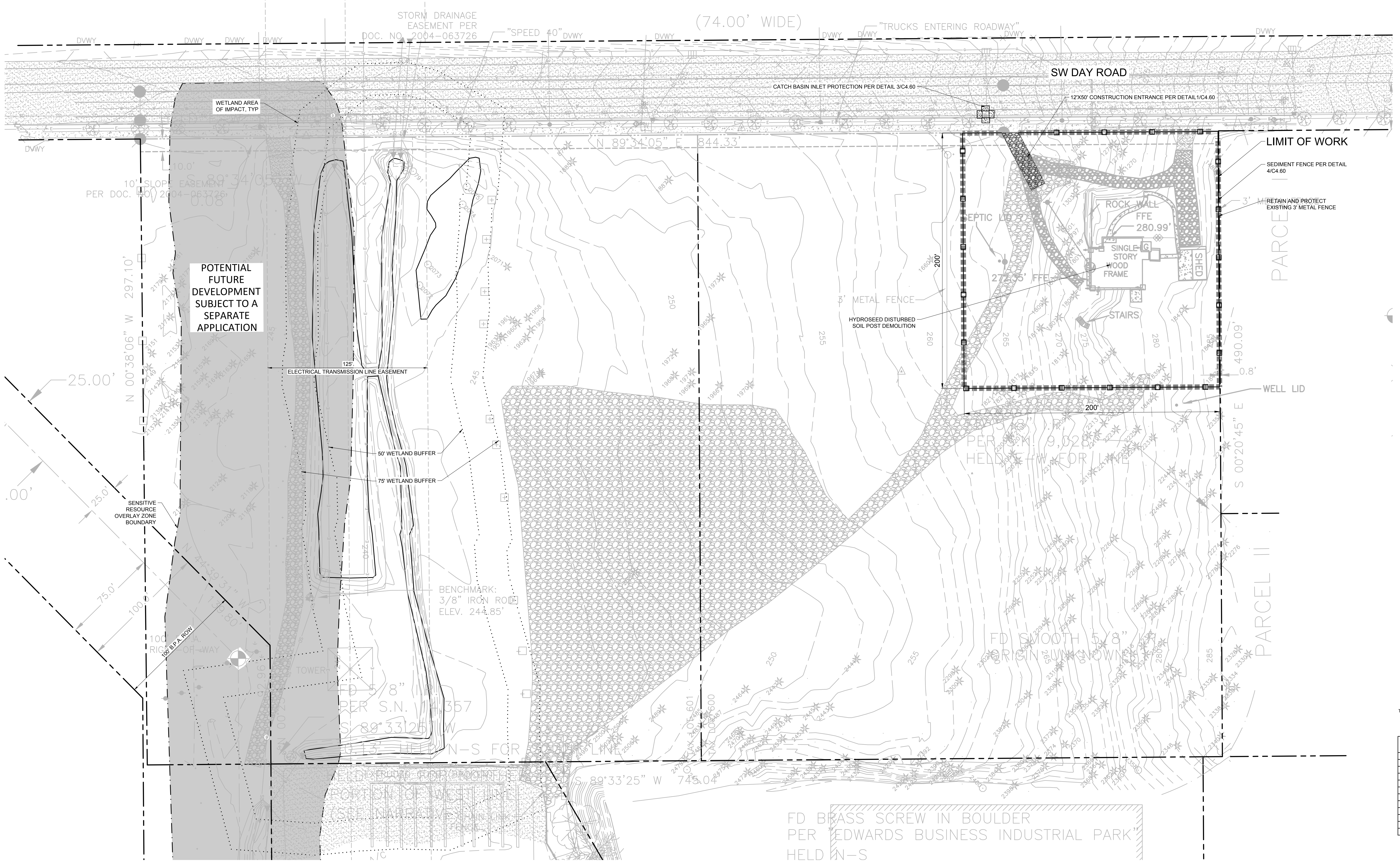
REVISION SCHEDULE		
Delta	Issued As	Issue Date

**DEMOLITION
ESC PLAN**

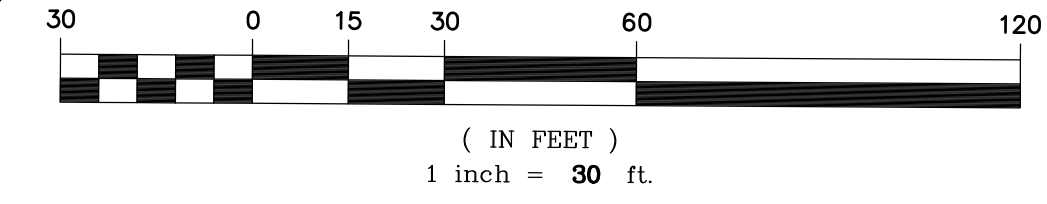
SHEET

C4.10

JOB NO. **2200502.00**

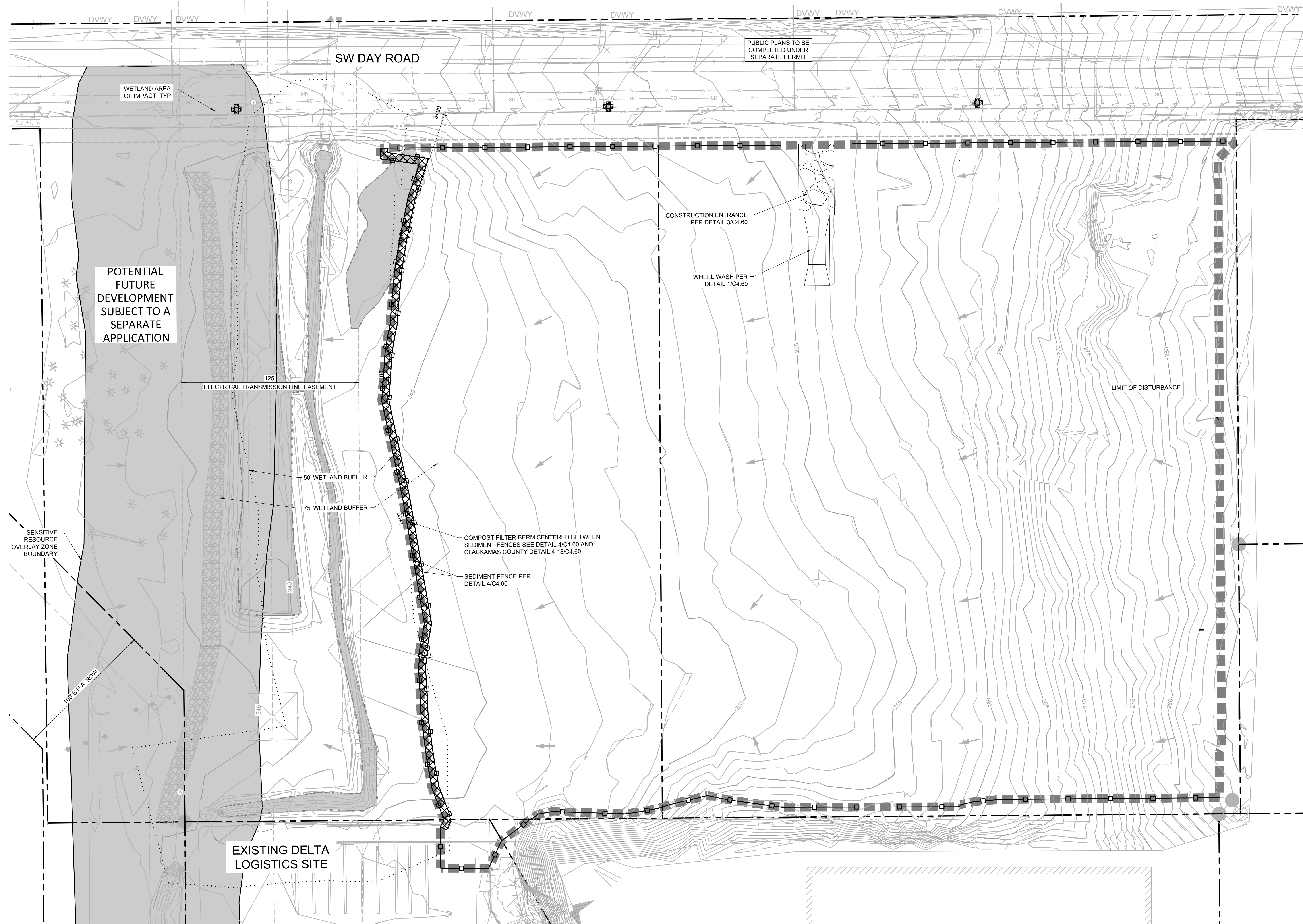


1 ESC DEMOLITION PLAN
SCALE: 1"=30'



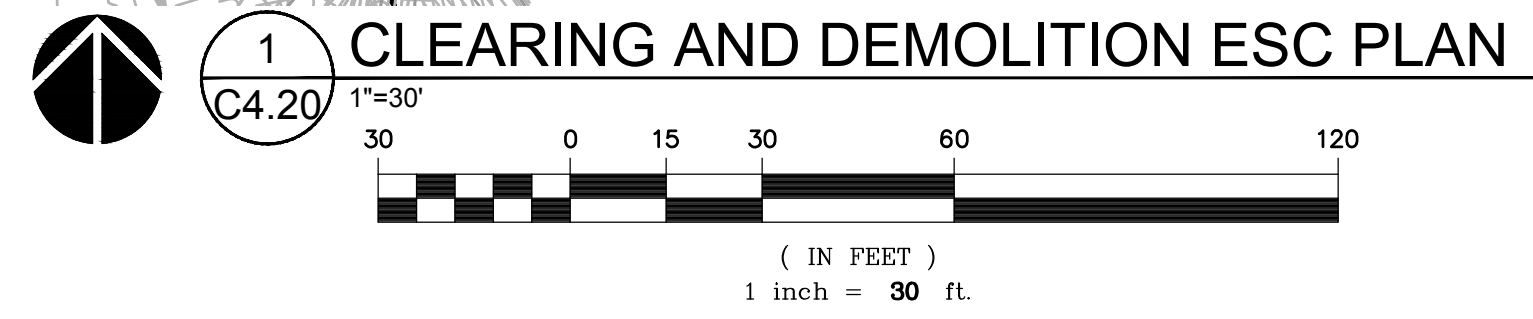
PRE-CONSTRUCTION, CLEARING, AND DEMOLITION NOTES:

- ALL BASE ESC MEASURES (INLET PROTECTION, PERIMETER SEDIMENT CONTROL, GRAVEL CONSTRUCTION ENTRANCES, ETC.) MUST BE IN PLACE, FUNCTIONAL, AND APPROVED IN AN INITIAL INSPECTION PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
- SEDIMENT BARRIERS APPROVED FOR USE INCLUDE SEDIMENT FENCE, BERMS, CONSTRUCTED OUT OF MULCH, CHIPPINGS OR OTHER SUITABLE MATERIAL, STRAW WATTLES, OR OTHER APPROVED MATERIALS.
- SENSITIVE RESOURCES INCLUDING, BUT NOT LIMITED TO, TREES, WETLANDS, AND RIPARIAN PROTECTION AREAS SHALL BE CLEARLY DELINEATED WITH ORANGE CONSTRUCTION FENCING OR CHAIN LINK FENCING IN A MANNER THAT IS CLEARLY VISIBLE TO ANYONE IN THE AREA. NO ACTIVITIES ARE PERMITTED TO OCCUR BEYOND THE CONSTRUCTION BARRIER.
- CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, STREET SWEEPING, AND VACUUMING, MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- RUN-ON AND RUN-OFF CONTROLS SHALL BE IN PLACE AND FUNCTIONING PRIOR TO BEGINNING SUBSTANTIAL CONSTRUCTION ACTIVITIES. RUN-ON AND RUN-OFF CONTROL MEASURES INCLUDE: SLOPE DRAINS (WITH OUTLET PROTECTION), CHECK DAMS, SURFACE EROSION FENCING, AND BANK STABILIZATION.
- ADDITIONAL EROSION CONTROL MEASURES AND DETAILS CAN BE FOUND IN THE CLEAN WATER SERVICES' CONSTRUCTION AND DESIGN STANDARDS, 2017.



PRE-CONSTRUCTION, CLEARING, AND DEMOLITION NOTES:

- ALL BASE ESC MEASURES (INLET PROTECTION, PERIMETER SEDIMENT CONTROL, GRAVEL CONSTRUCTION ENTRANCES, ETC) MUST BE IN PLACE, FUNCTIONAL, AND APPROVED IN AN INITIAL INSPECTION, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
- SEDIMENT BARRIERS APPROVED FOR USE INCLUDE SEDIMENT FENCE, BERMS, CONSTRUCTED OUT OF MULCH, CHIPPINGS OR OTHER SUITABLE MATERIAL, STRAW WATTLES, OR OTHER APPROVED MATERIALS.
- SENSITIVE RESOURCES INCLUDING, BUT NOT LIMITED TO, TREES, WETLANDS, AND RIPARIAN PROTECTION AREAS SHALL BE CLEARLY DELINEATED WITH ORANGE CONSTRUCTION FENCING OR CHAIN LINK FENCING IN A MANNER THAT IS CLEARLY VISIBLE TO ANYONE IN THE AREA. NO ACTIVITIES ARE PERMITTED TO OCCUR BEYOND THE CONSTRUCTION BARRIER.
- CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, STREET SWEEPING, AND VACUUMING, MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- RUN-ON AND RUN-OFF CONTROLS SHALL BE IN PLACE AND FUNCTIONING PRIOR TO BEGINNING SUBSTANTIAL CONSTRUCTION ACTIVITIES. RUN-ON AND RUN-OFF CONTROL MEASURES INCLUDE: SLOPE DRAINS (WITH OUTLET PROTECTION), CHECK DAMS, SURFACE ROUGHENING, AND BANK STABILIZATION.
- ADDITIONAL EROSION CONTROL MEASURES AND DETAILS CAN BE FOUND IN THE CLEAN WATER SERVICES'S CONSTRUCTION AND DESIGN STANDARDS, 2017.



NEAREST OFFICIAL RAIN GAUGE
WILSONVILLE TRANQUIL PARK STATION, WILSONVILLE, OREGON
ELEV: 187 FT; 45.31° N, 122.77° W

TYPICAL WORKING HOURS
7AM - 5PM WEEKDAYS

STAGING AND STOCKPILE AREAS ARE TO BE DETERMINED BY THE CONTRACTOR AND ADJUSTED TO ACCOMMODATE THE PROGRESS OF CONSTRUCTION. THE OWNER'S EROSION CONTROL INSPECTOR SHALL BE MADE AWARE OF ALL CHANGES AND CONSULTED FOR BMP IMPLEMENTATIONS THAT MAY BE NECESSARY TO ACCOMMODATE THE SELECTED LOCATIONS.

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SEE SHEETS C4.60 FOR EROSION AND SEDIMENT CONTROL DETAILS

LEGEND

	EXISTING DRAINAGE FLOW DIRECTION
	SEDIMENT FENCE PER DETAIL 4/C4.60
	LIMIT OF DISTURBANCE
	CATCH BASIN SEDIMENT FILTER BAG PER DETAIL 2/C4.60
	WHEEL WASH PER DETAIL 1/C4.60
	GRAVEL CONSTRUCTION ENTRANCE PER DETAIL 3/C4.60
	COMPOSITE FILTER BERM PER DETAIL 7/C4.60



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REVISION SCHEDULE

Delta	Issued As	Issue Date

CLEARING AND DEMOLITION ESC PLAN

SHEET

C4.20

JOB NO. **2200502.00**

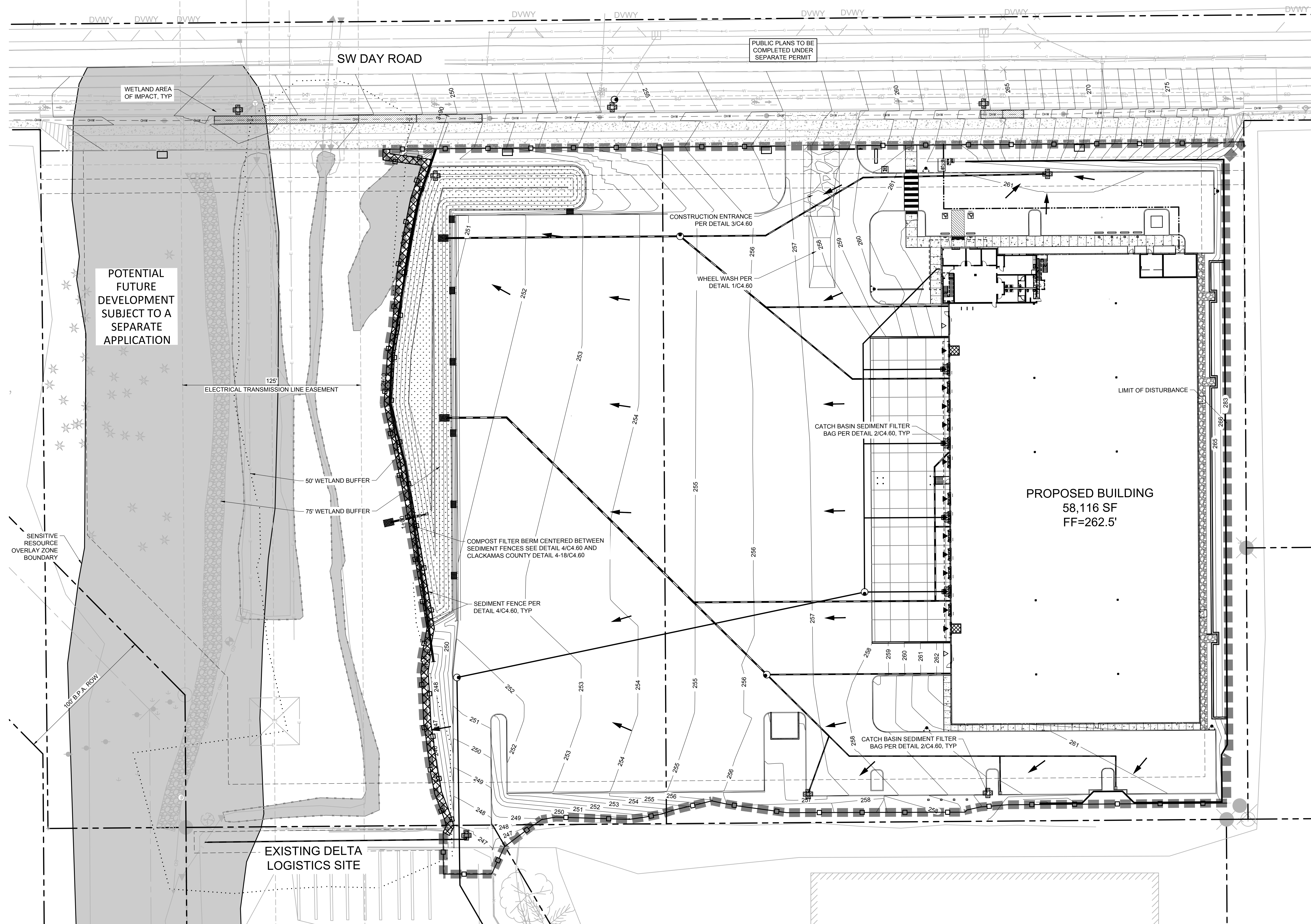
REVISION SCHEDULE		
Delta	Issued As	Issue Date

UTILITY CONSTRUCTION ESC PLAN

SHEET

C4.40

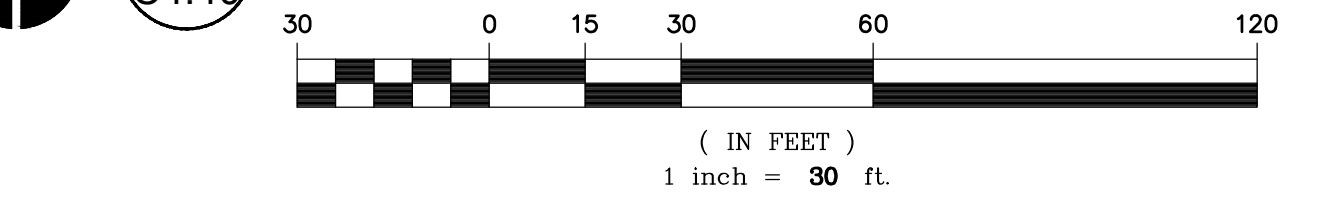
JOB NO. **2200502.00**



EROSION CONTROL GENERAL NOTES

- SEED USED FOR TEMPORARY OR PERMANENT SEEDING SHALL BE COMPOSED OF ONE OF THE FOLLOWING MIXTURES, UNLESS OTHERWISE AUTHORIZED:
A. VEGETATED CORRIDOR AREAS REQUIRE NATIVE SEED MIXES. SEE RESTORATION PLAN FOR APPROPRIATE SEED MIX.
B. DWARF GRASS MIX (MIN. 100 LB./AC.)
1. DWARF PERENNIAL RYEGRASS (80% BY WEIGHT)
2. GREENING RED FESCUE (20% BY WEIGHT)
C. STANDARD HEIGHT GRASS MIX (MIN. 100 LB./AC.)
1. ANNUAL RYEGRASS (40% BY WEIGHT)
2. TURF-TYPE FESCUE (60% BY WEIGHT)
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- LONG TERM SLOPE STABILIZATION MEASURES SHALL INCLUDE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER VIA SEEDING WITH APPROVED MIX AND APPLICATION RATE.
- TEMPORARY SLOPE STABILIZATION MEASURES INCLUDE: COVERING EXPOSED SOIL WITH PLASTIC SHEETING, STRAW MULCHING, WOOD CHIPS, OR OTHER APPROVED MEASURES.
- STOCKPILED SOIL OR STRIPPINGS SHALL BE PLACED IN A STABLE LOCATION AND CONFIGURATION. DURING "WET WEATHER" PERIODS, STOCKPILES SHALL BE COVERED WITH PLASTIC SHEETING OR STRAW MULCH. SEDIMENT FENCE IS REQUIRED AROUND THE PERIMETER OF THE STOCKPILE.
- EXPOSED CUT OR FILL AREAS SHALL BE STABILIZED THROUGH THE USE OF TEMPORARY SEEDING AND MULCHING, EROSION CONTROL BLANKETS OR MATS, MID-SLOPE SEDIMENT FENCES OR WATTLES, OR OTHER APPROPRIATE MEASURES. SLOPES EXCEEDING 25% MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES.
- AREAS SUBJECT TO WIND EROSION SHALL USE APPROPRIATE DUST CONTROL MEASURES INCLUDING THE APPLICATION OF A FINE SPRAY OF WATER, PLASTIC SHEETING, STRAW MULCHING, OR OTHER APPROVED MEASURES.
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- ACTIVE INLETS TO STORM WATER SYSTEMS SHALL BE PROTECTED THROUGH THE USE OF APPROVED INLET PROTECTION MEASURES. ALL INLET PROTECTION MEASURES ARE TO BE REGULARLY INSPECTED AND MAINTAINED AS NEEDED.
- SATURATED MATERIALS THAT ARE HAULED OFF-SITE MUST BE TRANSPORTED IN WATER-TIGHT TRUCKS TO ELIMINATE SPILLAGE OF SEDIMENT AND SEDIMENT-LADEN WATER.
- AN AREA SHALL BE PROVIDED FOR THE WASHING OUT OF CONCRETE TRUCKS IN A LOCATION THAT DOES NOT PROVIDE RUN-OFF THAT CAN ENTER THE STORM WATER SYSTEM. IF THE CONCRETE WASH-OUT AREA CAN NOT BE CONSTRUCTED GREATER THAN 50' FROM ANY DISCHARGE POINT, SECONDARY MEASURES SUCH AS BERMS OR TEMPORARY SETTLING PITS MAY BE REQUIRED. THE WASH-OUT SHALL BE LOCATED WITHIN SIX FEET OF TRUCK ACCESS AND BE CLEANED WHEN IT REACHES 50% OF THE CAPACITY.
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1 UTILITY CONSTRUCTION ESC PLAN



SPILL KIT AND SPILL RESPONSE PROCEDURES SHALL BE KEPT IN/ON THE JOBSITE TRAILER AT ALL TIMES AND ALL FIELD PERSONNEL SHALL BE MADE AWARE

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SEE SHEETS C4.60 FOR EROSION AND SEDIMENT CONTROL DETAILS

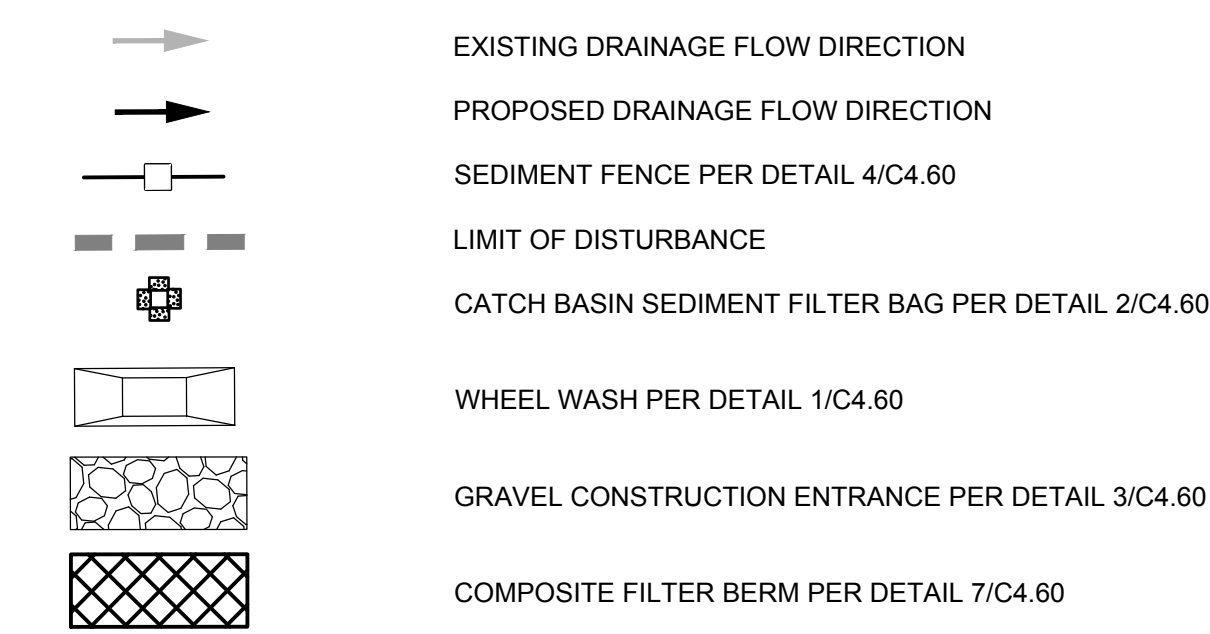
EROSION AND SEDIMENT CONTROL BMP IMPLEMENTATION

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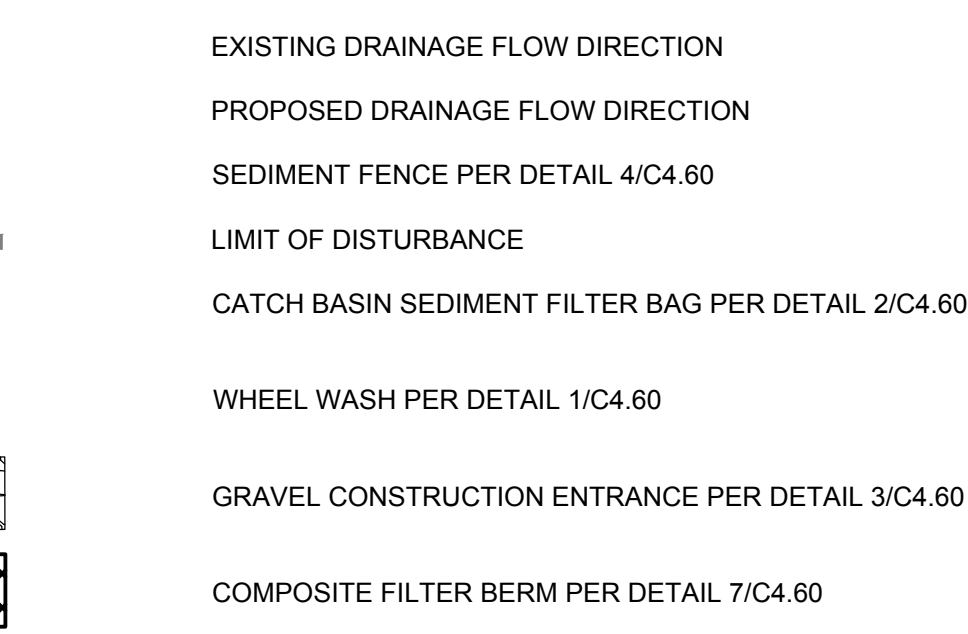
DEWATERING NOTE

- CONTRACTOR SHALL MONITOR DEWATERING OPERATIONS WITH DAILY INSPECTIONS DURING DEWATERING OPERATIONS.
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LEGEND



UTILITY CONSTRUCTION ESC PLAN



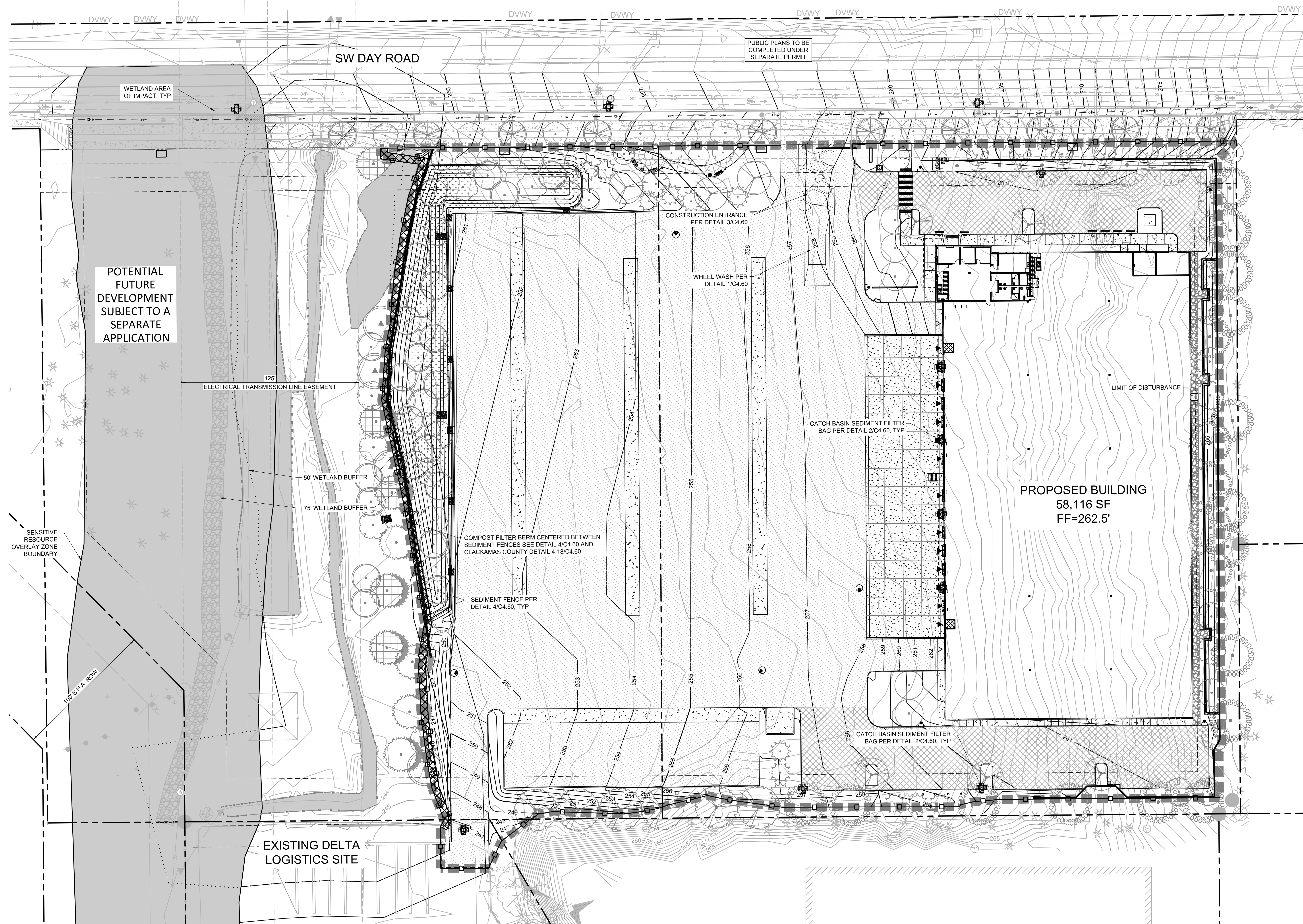
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Delta	Issued As	Issue Date

**FOUNDATION
ESC PLAN**

SHEET

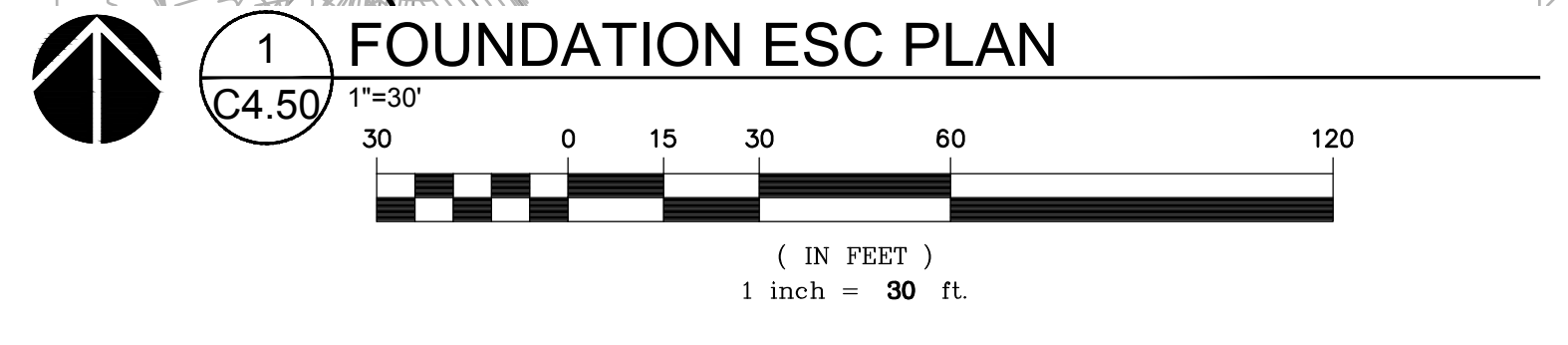
C4.50

JOB NO. **2200502.00**



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LEGEND

- SEDIMENT FENCE PER DETAIL 4/C4.60
- LIMIT OF DISTURBANCE
- INLET PROTECTION PER DETAIL 2/C4.60
- GRAVEL CONSTRUCTION ENTRANCE PER DETAIL 3/C4.60
- COMPOSITE FILTER BERM PER DETAIL 7/C4.60
- WHEEL WASH PER DETAIL 1/C4.60

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DEVELOPMENT REVIEW SET - 04/24/23

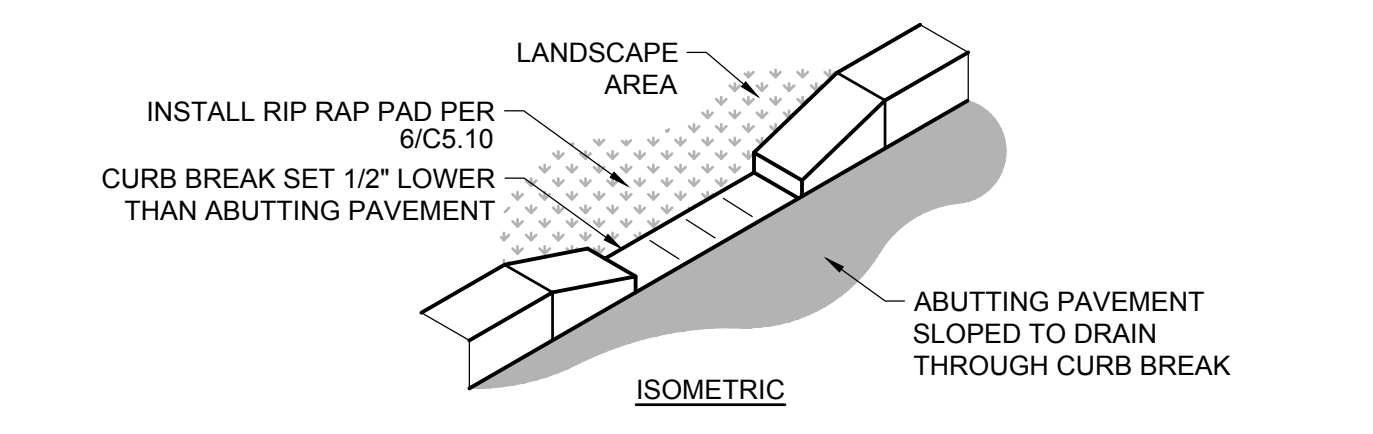
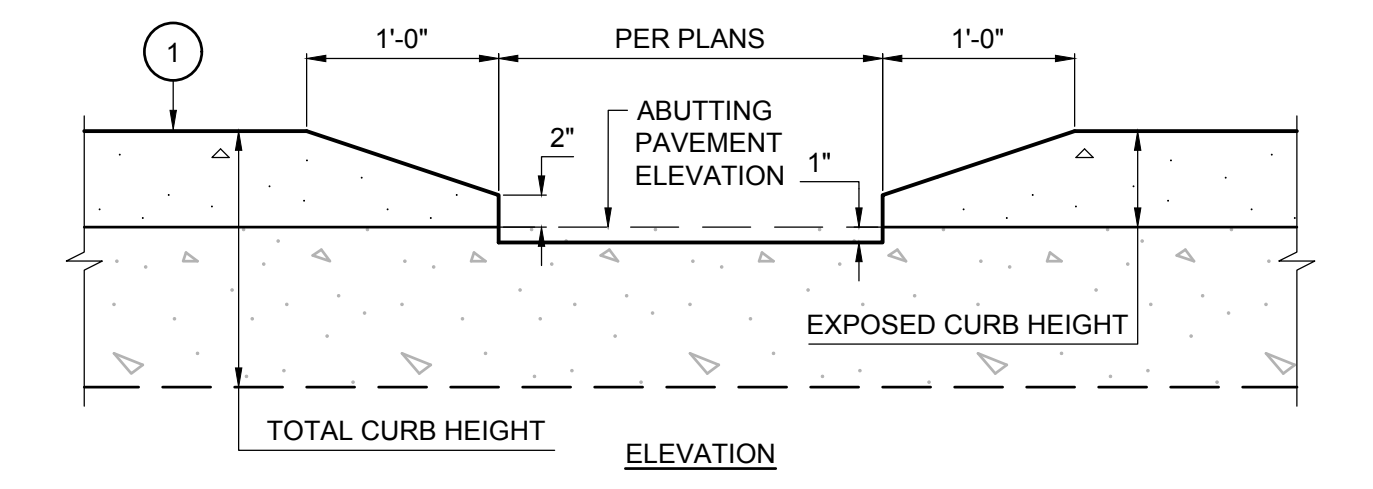
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CIVIL DETAILS

SHEET

C5.10

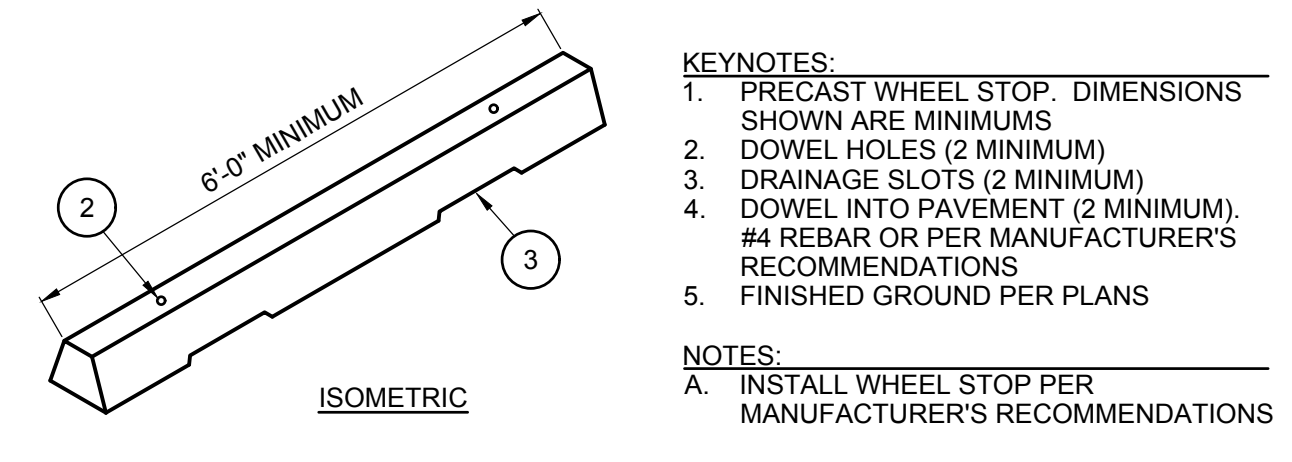
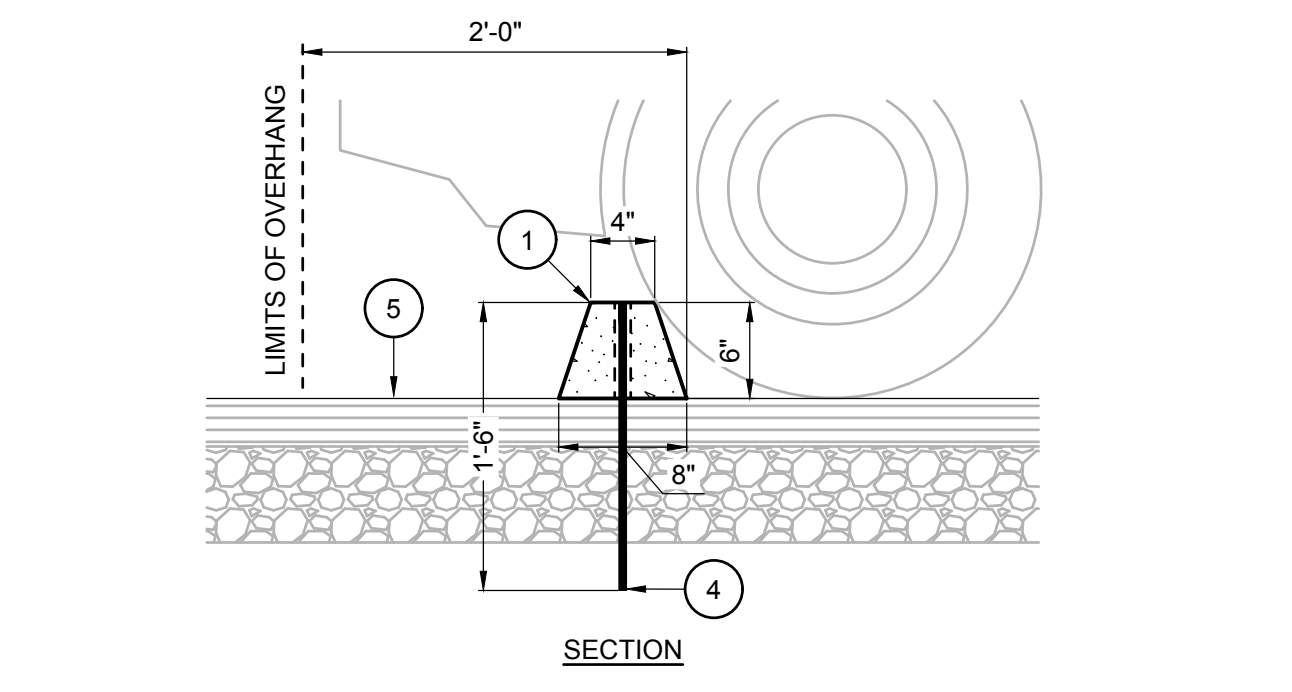
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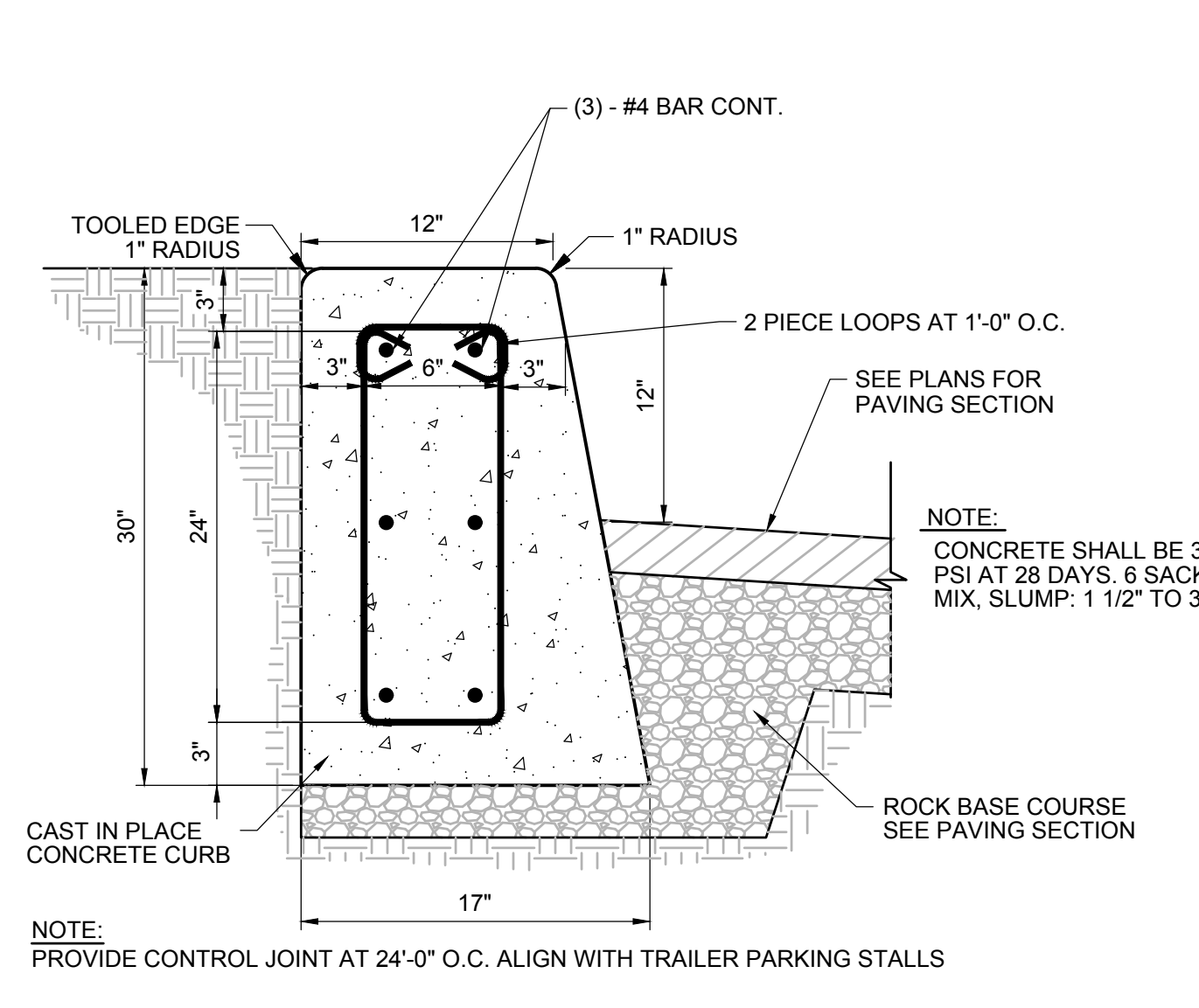
KEYNOTES:
1. CONCRETE CURB PER 1/C5.10, CONCRETE FOR CURBING PER PROJECT SPECIFICATIONS

NOTES:
A. IF CURBING IS REINFORCED, BEND REINFORCEMENT TO PASS UNDER CURB BREAK WHILE MAINTAINING 3" COVER ON REBAR

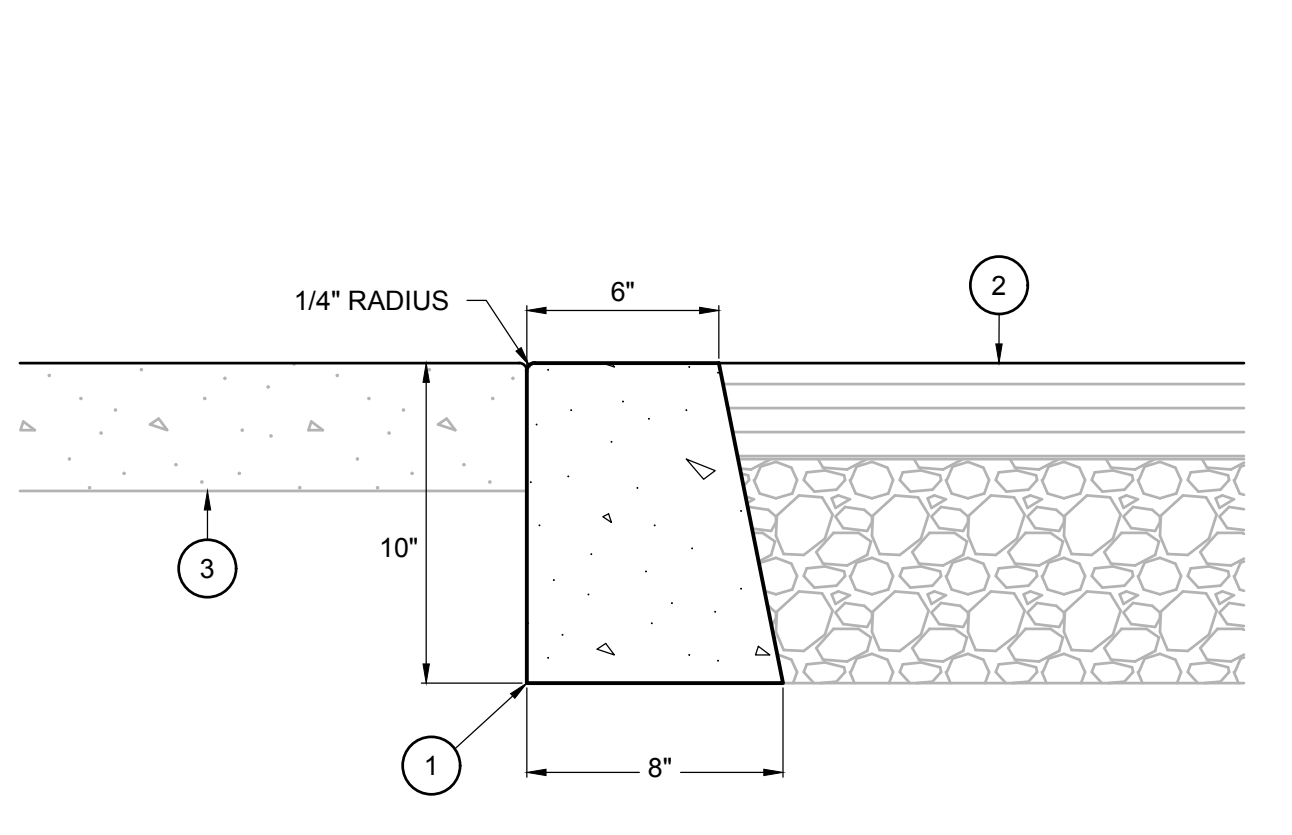
5 CURB BREAK NTS



4 PRECAST WHEEL STOP NTS

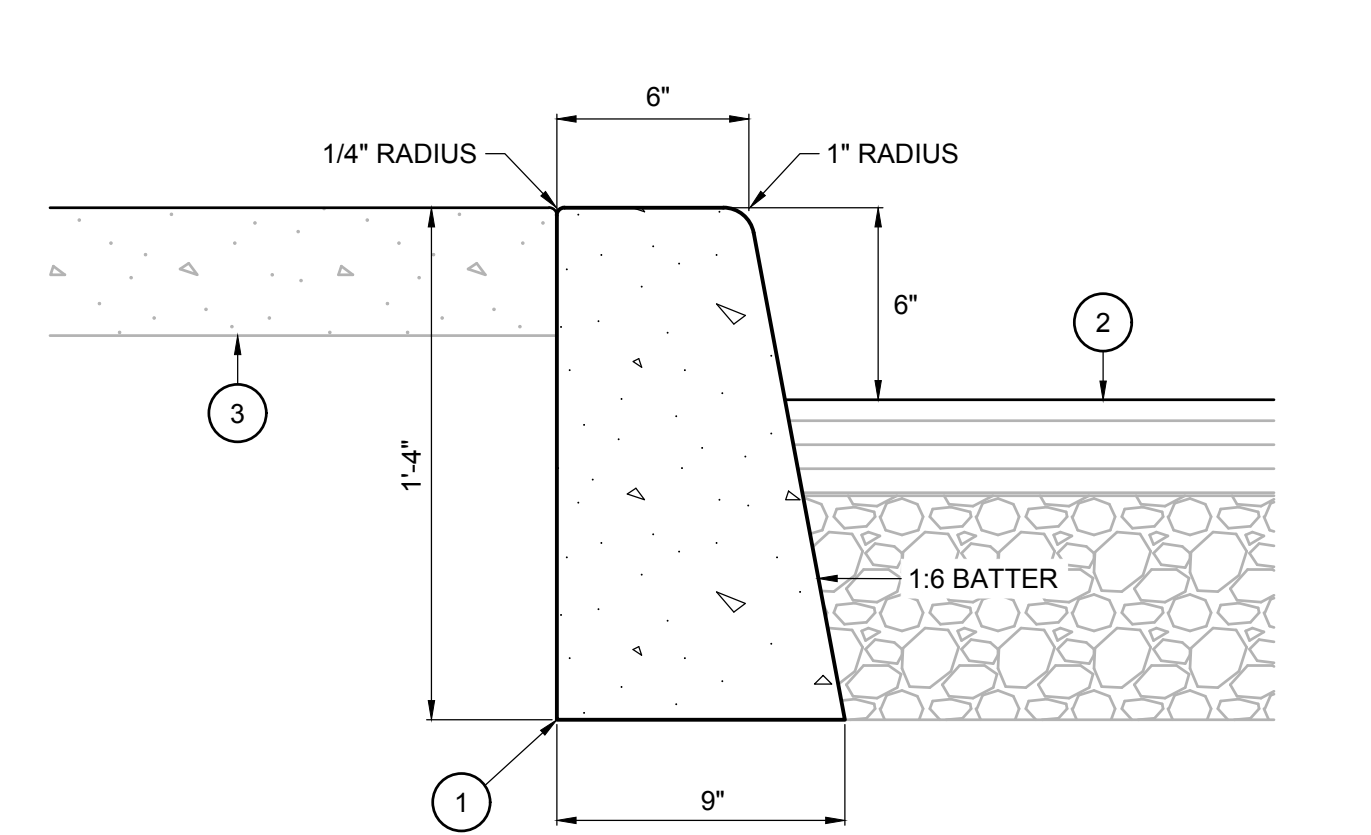


3 12" X 30" REINFORCED CURB N.T.S.



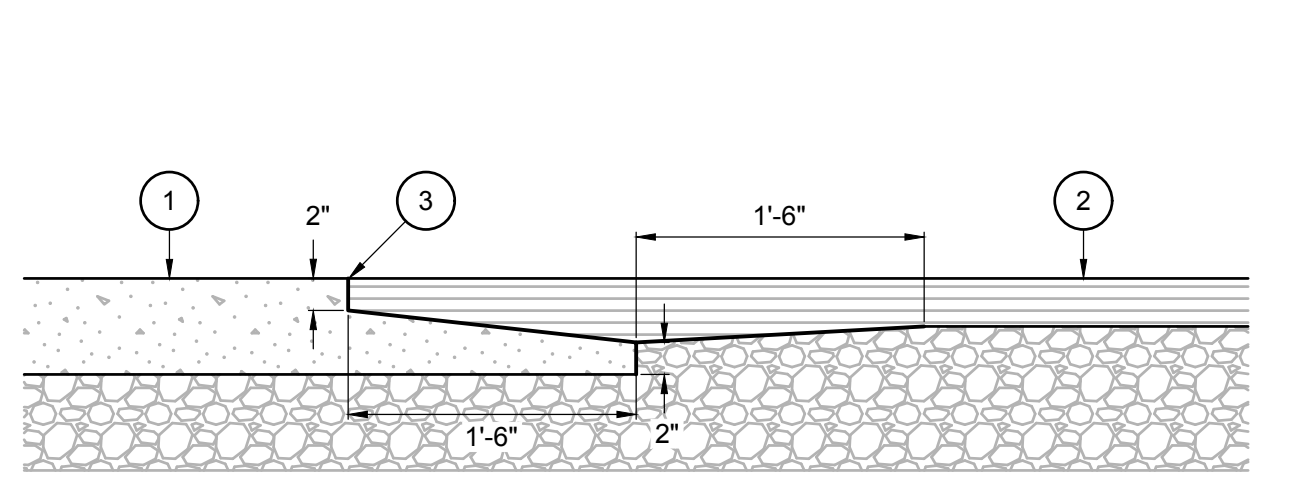
KEYNOTES:
1. CONCRETE FOR CURBING PER PROJECT SPECIFICATIONS
2. PAVEMENT SECTION PER CIVIL PLANS
3. SEE PLANS FOR IMPROVEMENTS AT BACK OF CURB. WHERE SIDEWALK OCCURS, THE SIDEWALK AND TOP OF CURB SHALL BE FLUSH. WHERE ABUTTING A PLANTER AREA, THE FINAL GRADE SHALL BE 1" MINIMUM BELOW TOP OF CURB, OR AS DIRECTED BY THE LANDSCAPE ARCHITECT

2 FLUSH CURB NTS

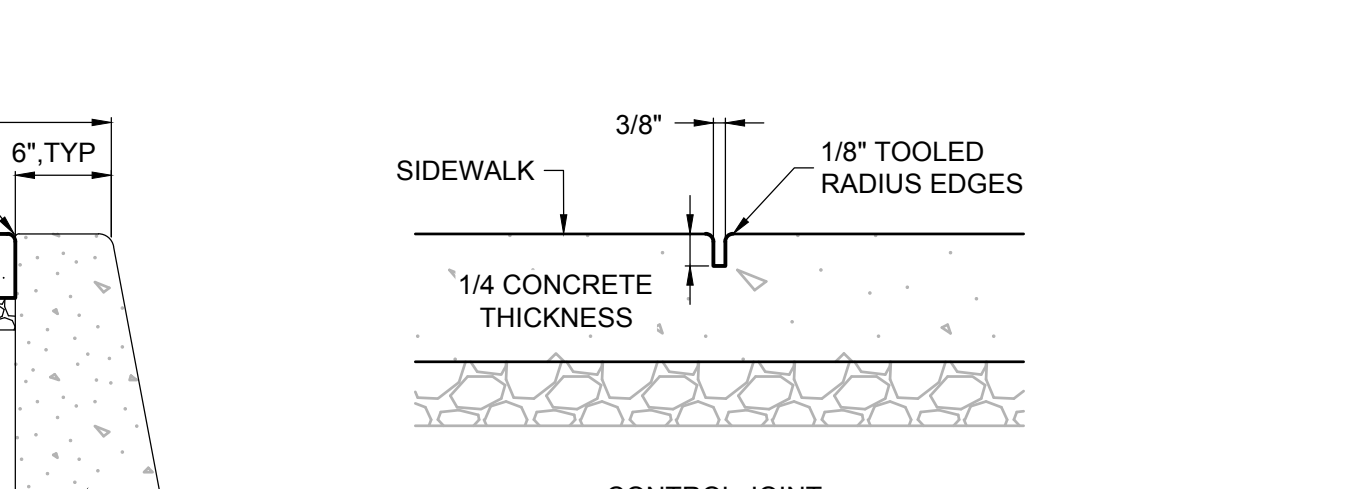


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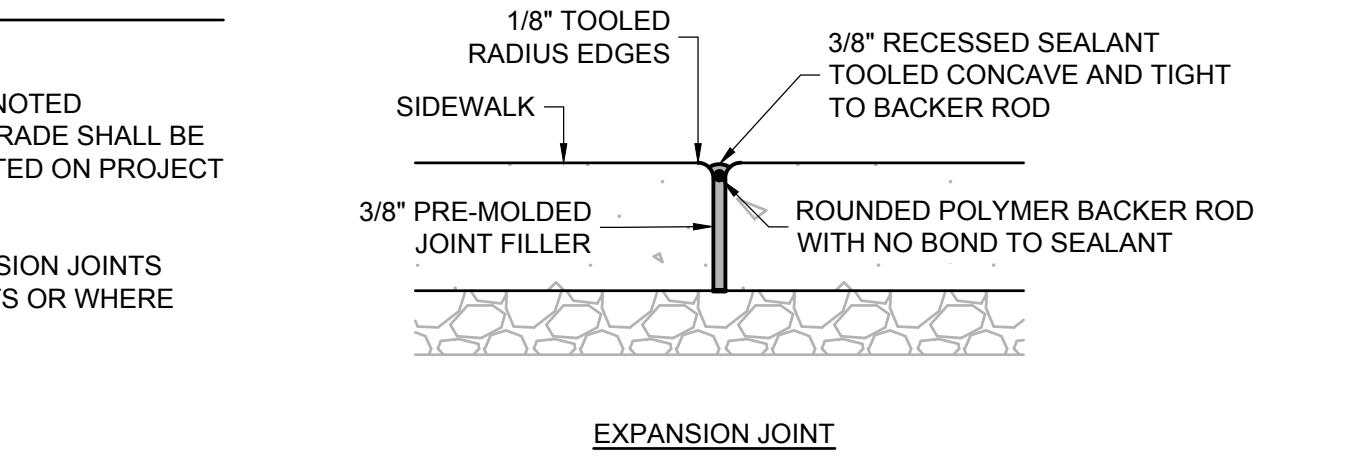
1 VERTICAL CURB NTS



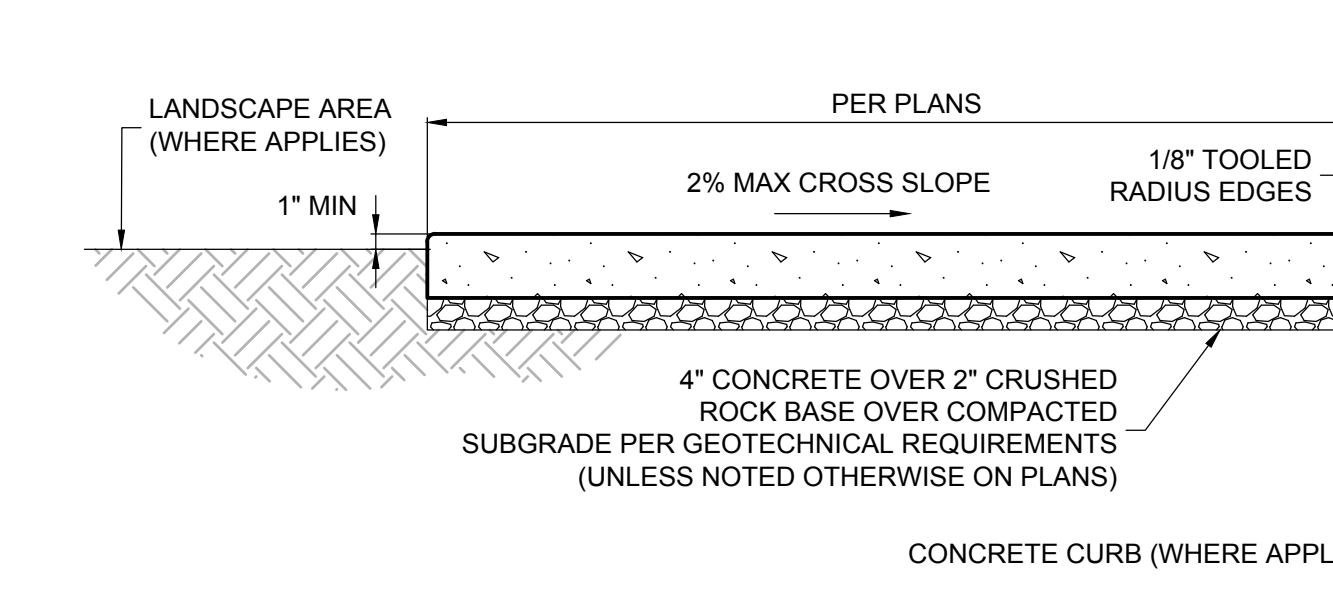
8 ASPHALT TO CONCRETE TRANSITION NTS



CONTROL JOINT

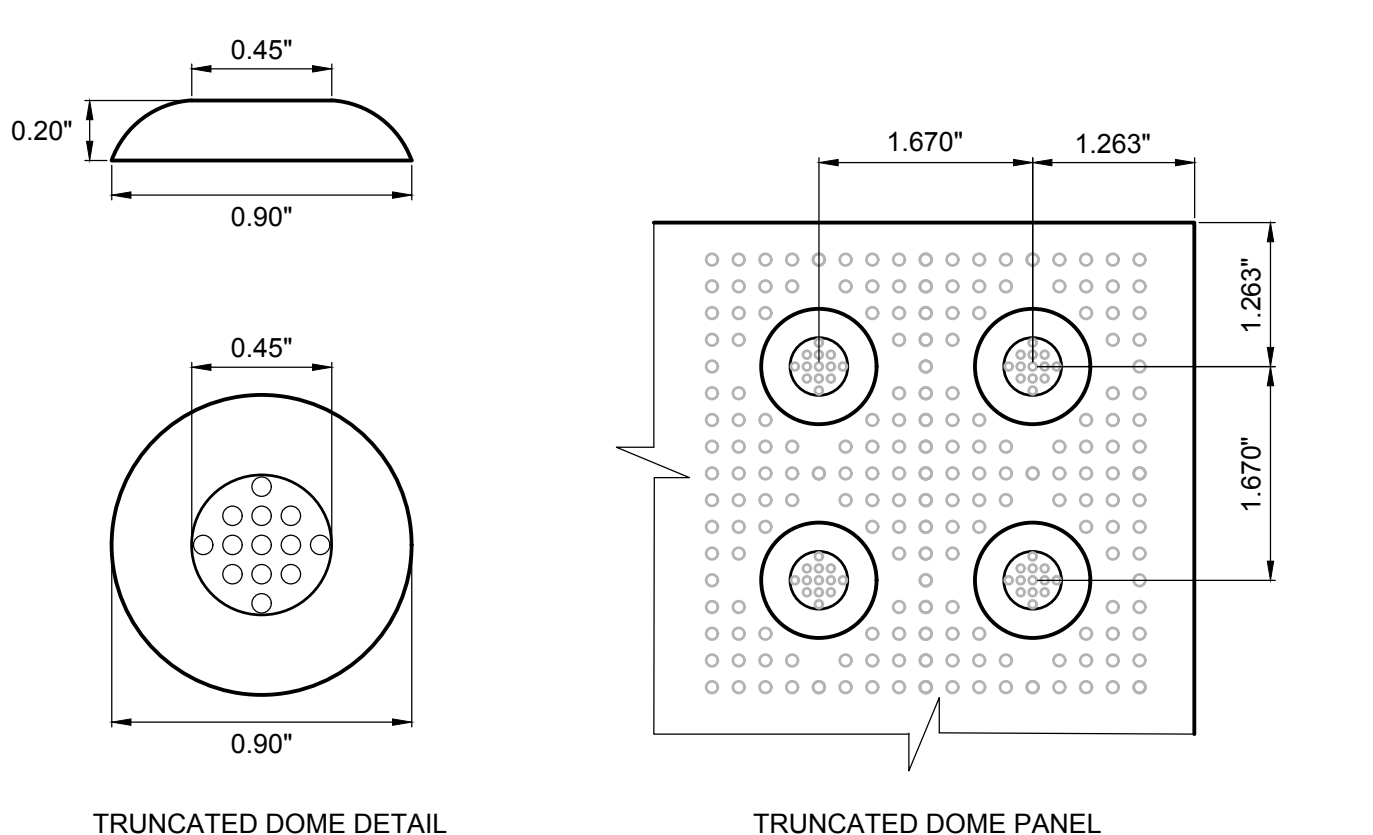


EXPANSION JOINT



NOTES:
A. CONCRETE SIDEWALK SHALL BE BROOM FINISHED UNLESS OTHERWISE NOTED ON PLANS
B. SEE PROJECT SPECIFICATIONS FOR CONCRETE, AGGREGATE BASE, AND JOINT MATERIALS
C. WHERE SIDEWALK ABUTS CURBING, SURFACE SHALL BE FLUSH WITH TOP OF CURB UNLESS NOTED OTHERWISE ON PLANS. WHERE SIDEWALK ABUTS LANDSCAPE OR OTHER PERVIOUS AREA, GRADE SHALL BE RECESSED 1" MINIMUM OR AS OTHERWISE DICTATED BY THE LANDSCAPE ARCHITECT OR NOTED ON PROJECT PLANS
D. DO NOT USE SHINERS ON TOOLED EDGES UNLESS NOTED OTHERWISE
E. CONTROL JOINTS SHALL BE EVENLY SPACED AND LOCATED EVERY 5' MAXIMUM, WITH EXPANSION JOINTS EVERY FOURTH JOINT. OR PER PLAN. SIDEWALK JOINTS SHALL BE ALIGNED WITH CURB JOINTS OR WHERE PERPENDICULAR CURBING INTERSECTS.

7 CONCRETE SIDEWALK AND JOINTS NTS

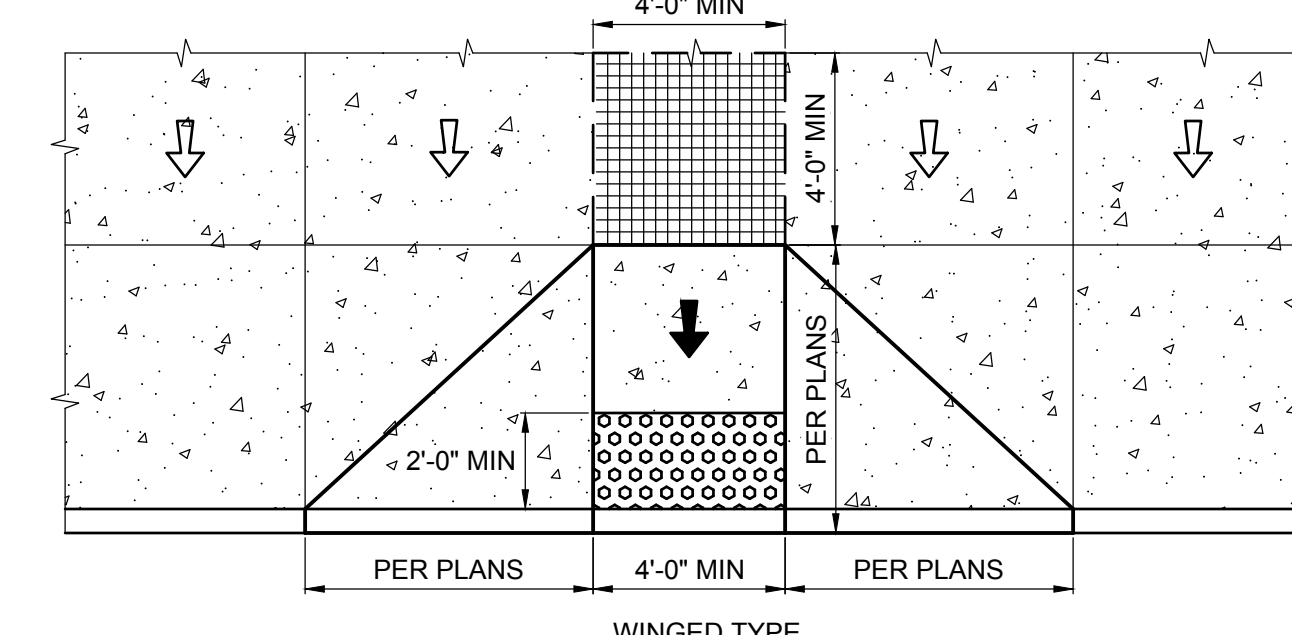


TRUNCATED DOME DETAIL and **TRUNCATED DOME PANEL**

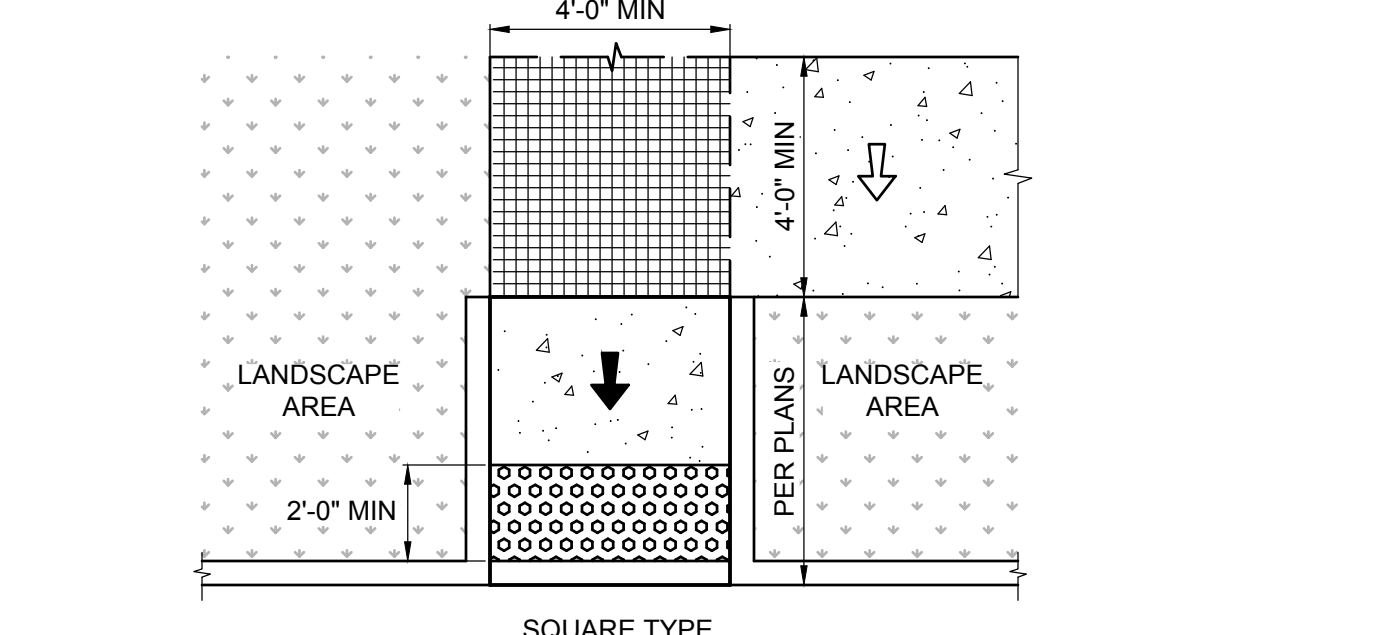
NOTES:
A. PLACE TRUNCATED DOME DETECTABLE WARNING TEXTURE (OR CAST-IN-PLACE PANELS) IN THE LOWER 24" FOR THE FULL WIDTH OF THE RAMP
B. ARRANGE DOMES USING AN INLINE PATTERN AS SHOWN IN THE DETAIL ABOVE
C. COLOR OF DOME TEXTURE (OR PANELS) TO BE SAFETY YELLOW, UNLESS NOTED OTHERWISE ON PLANS
D. SURFACE APPLIED PANELS SHALL ONLY BE ALLOWED IN RETROFIT CONDITIONS AND WITH THE PRIOR APPROVAL OF THE ENGINEER

9 TRUNCATED DOMES NTS

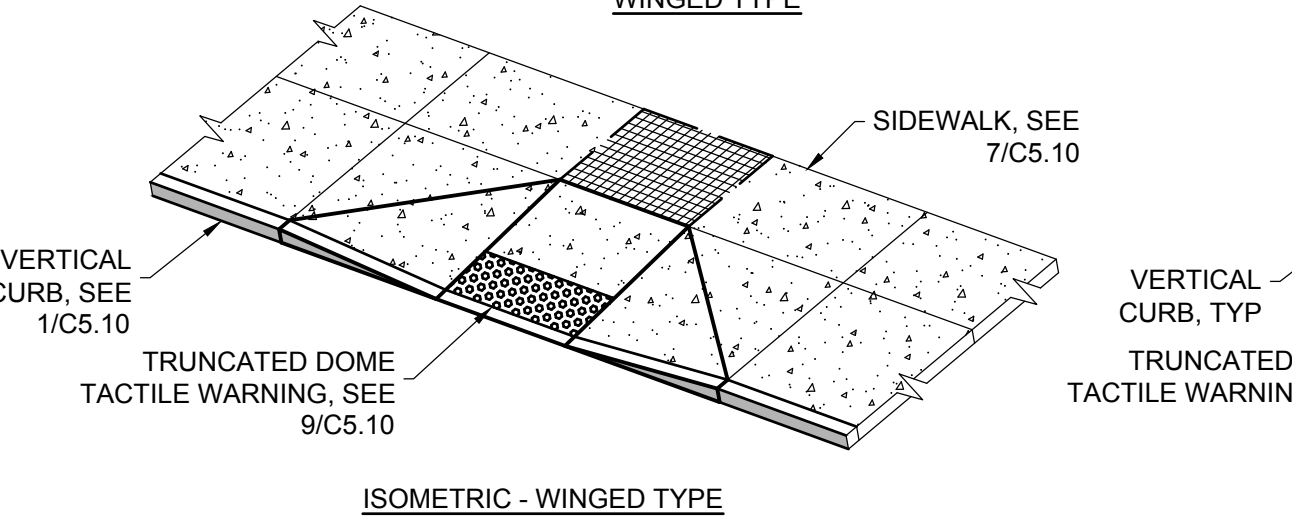
9 TRUNCATED DOMES NTS



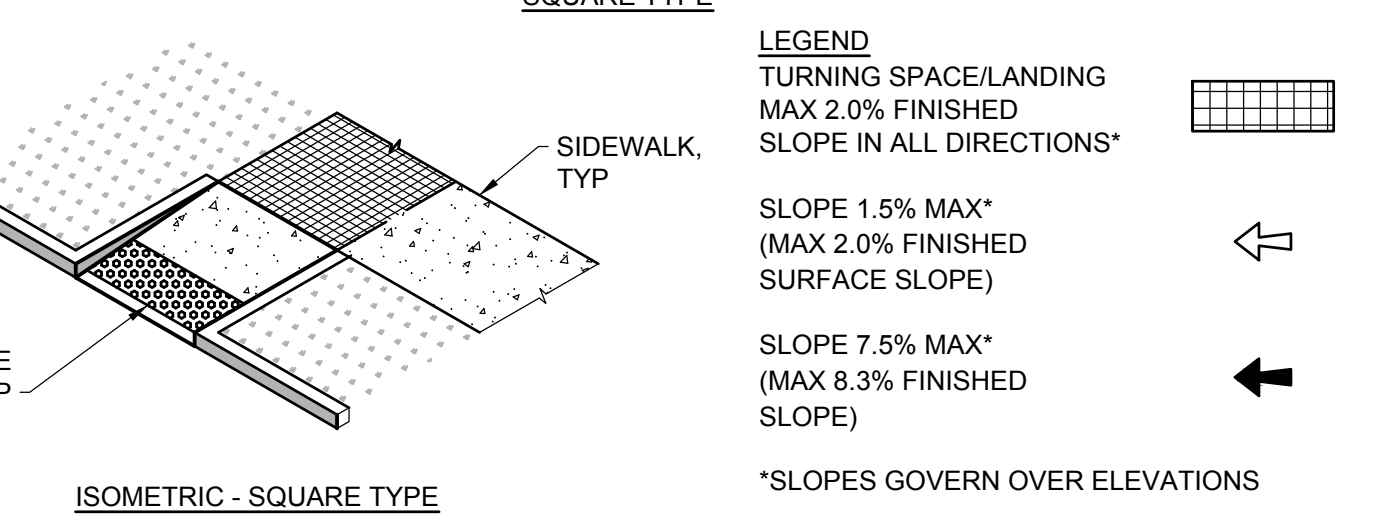
11 SIGN POST NTS



12 PERPENDICULAR CURB RAMPS NTS

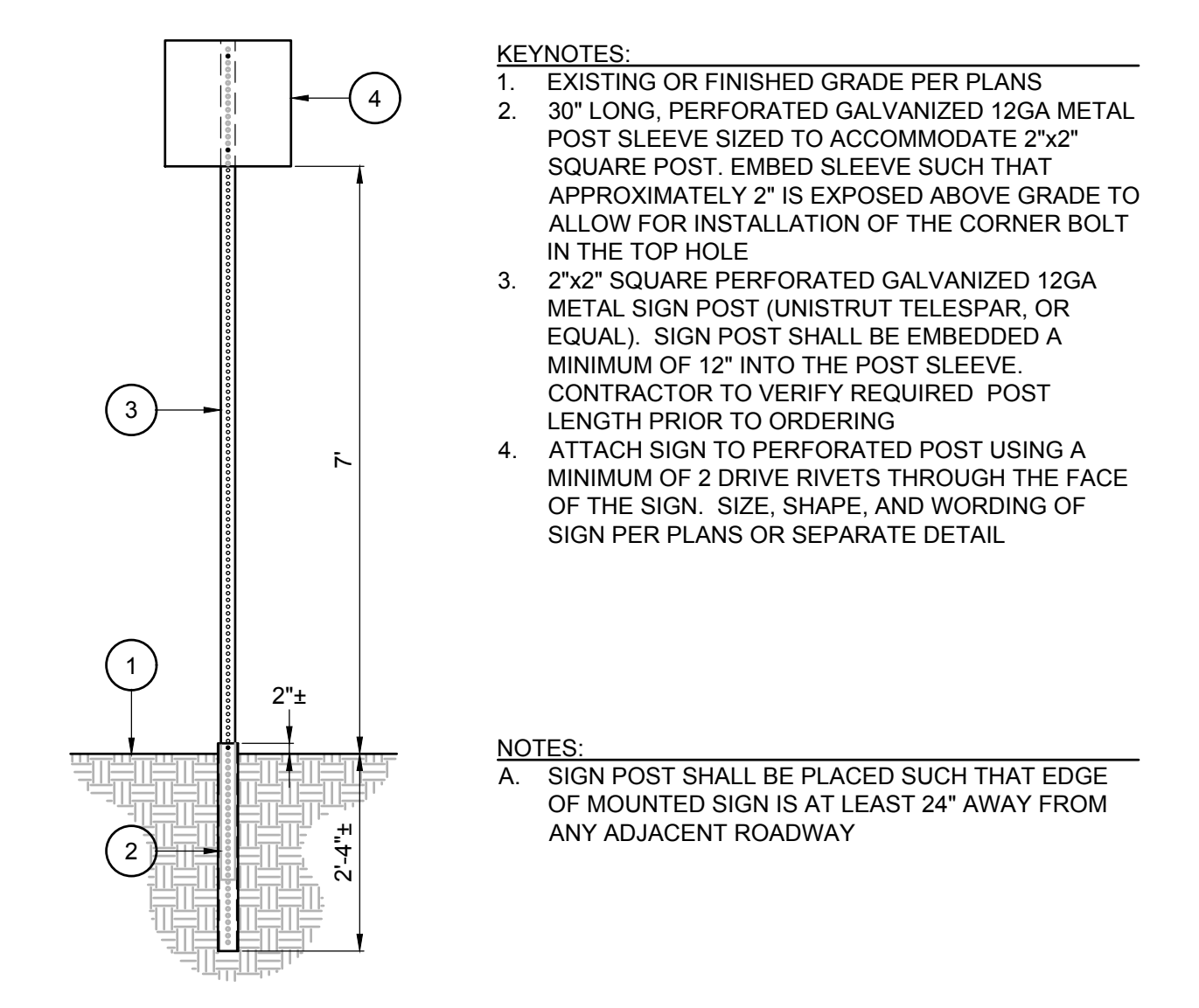


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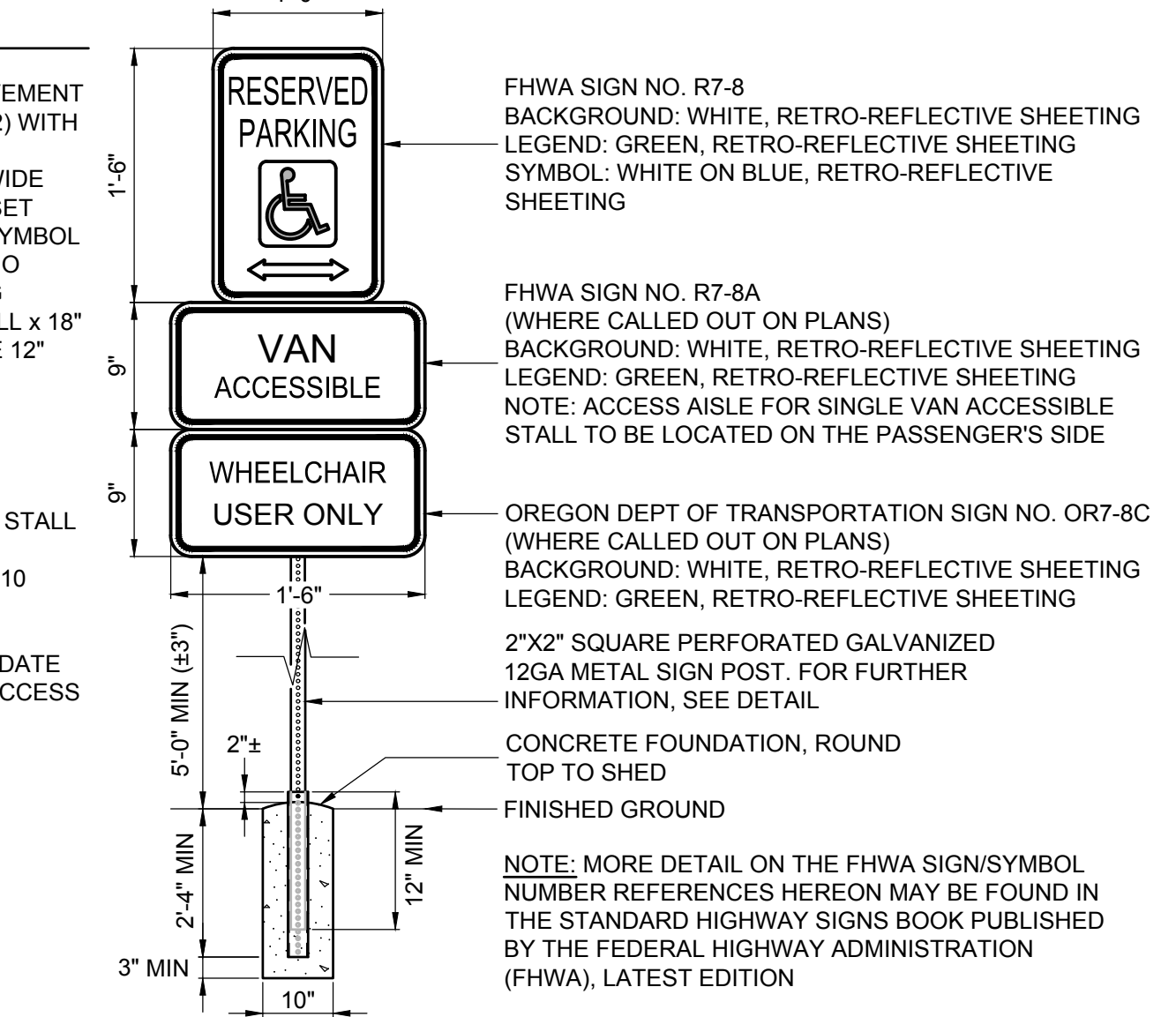


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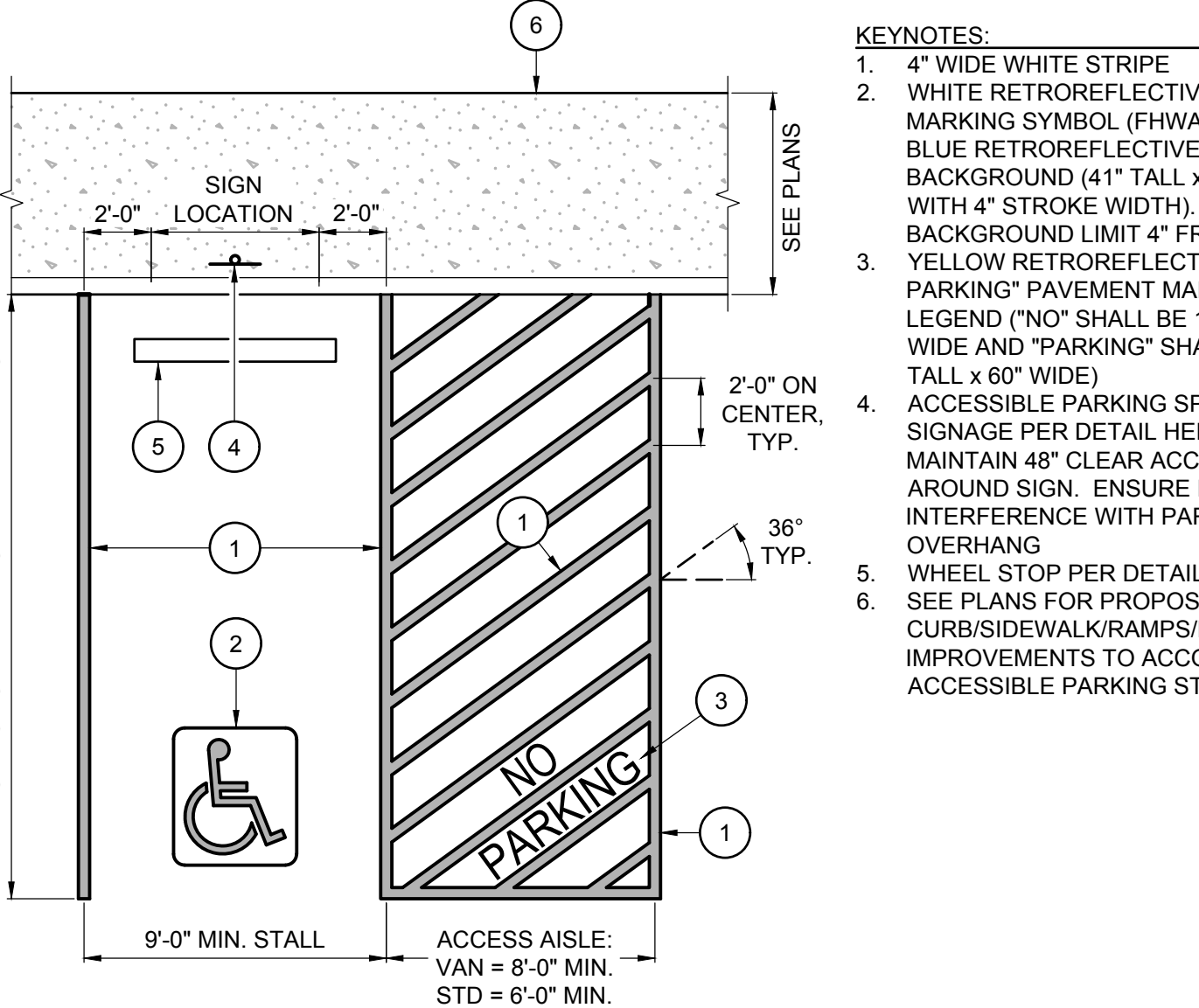
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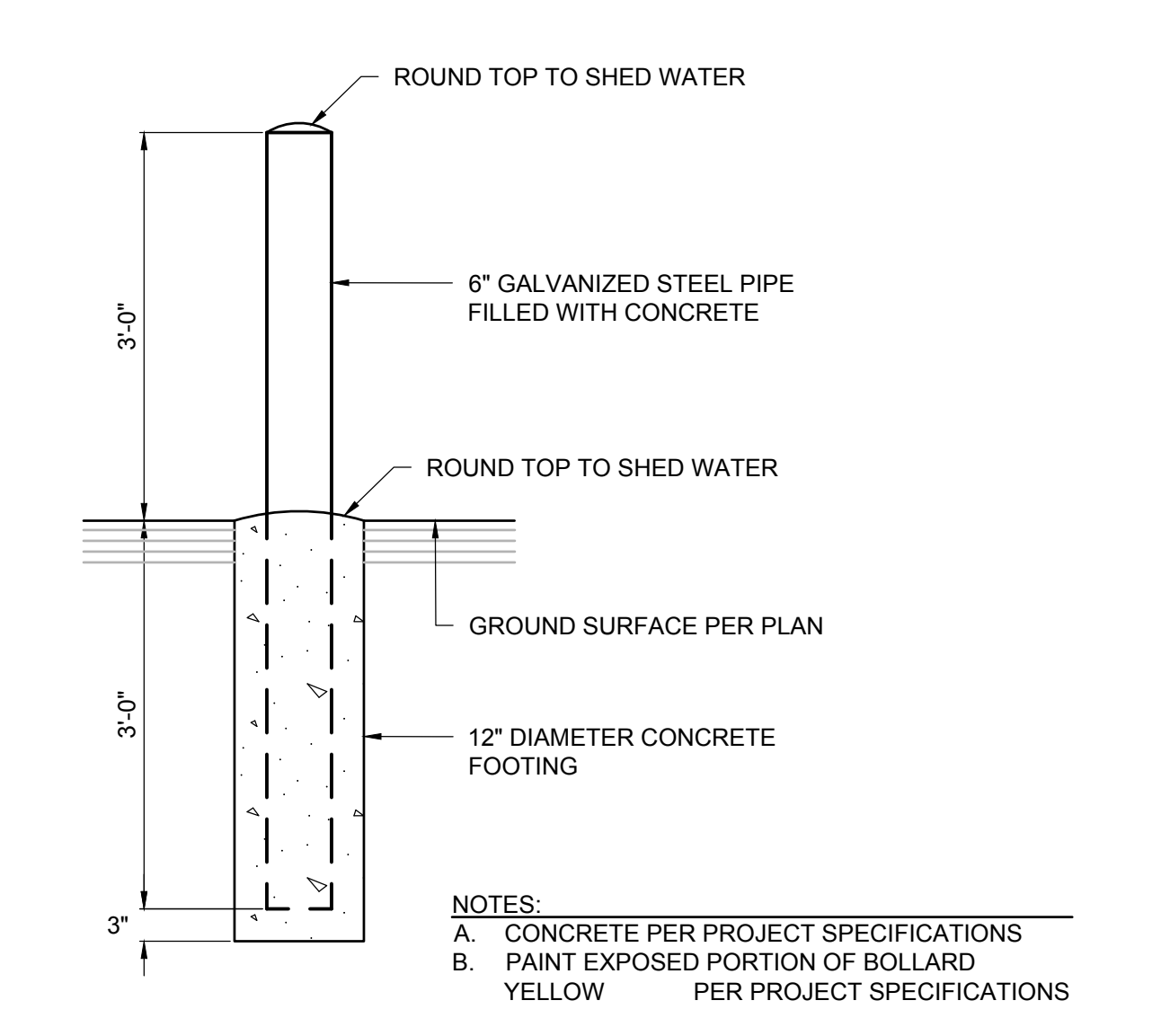
11 SIGN POST NTS



10 ACCESSIBLE PARKING STALL NTS



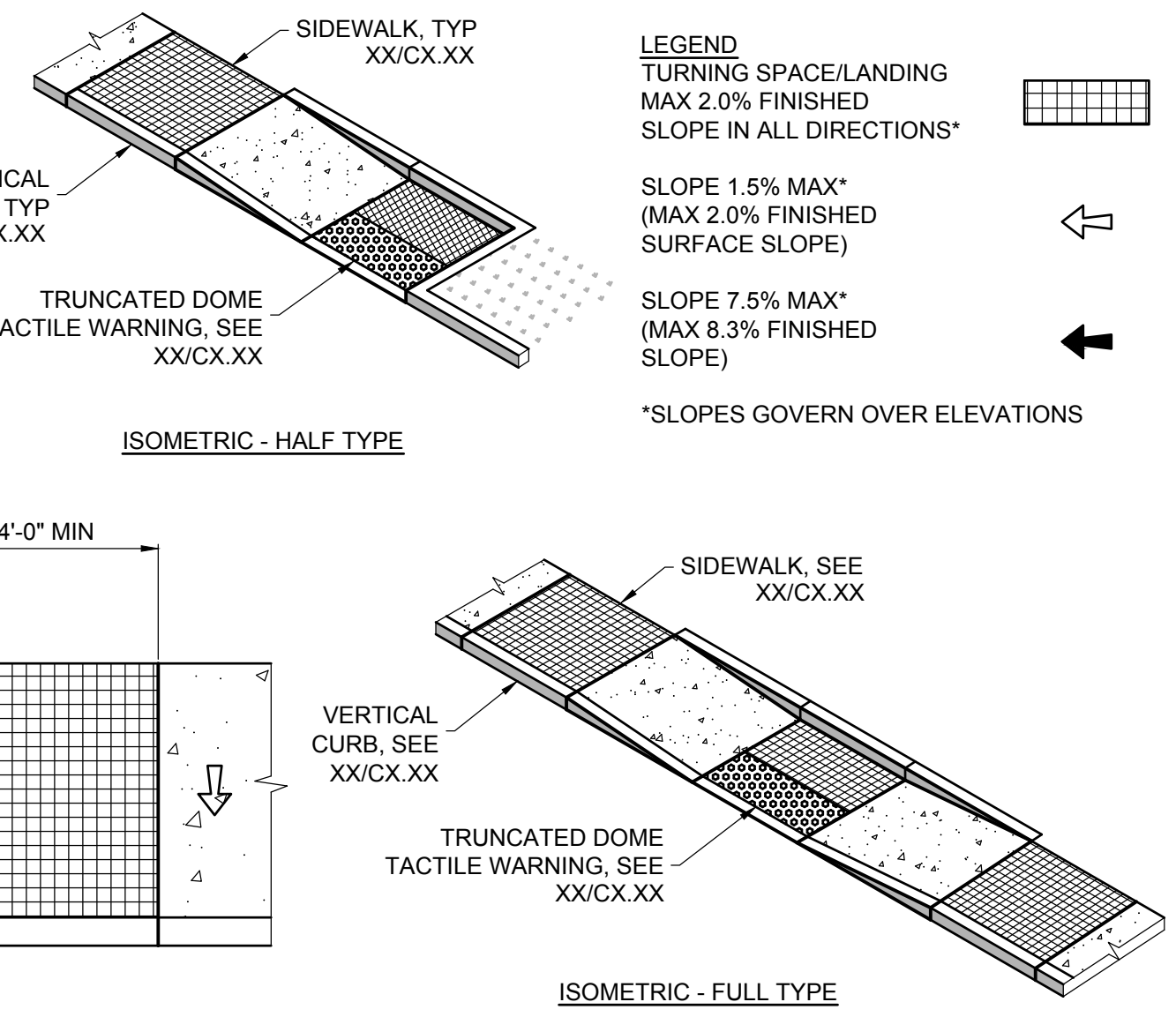
10 ACCESSIBLE PARKING STALL NTS



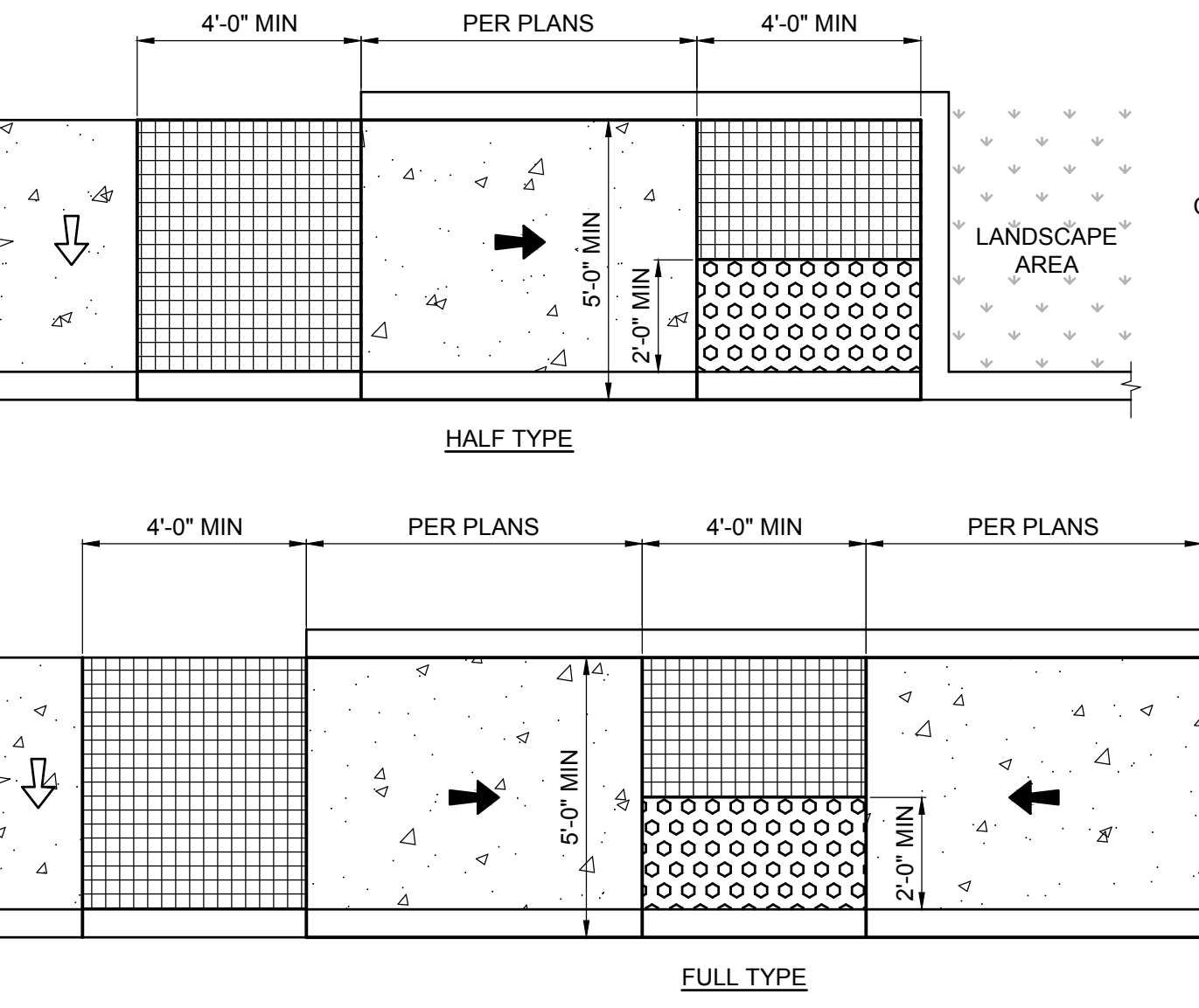
15 6" PIPE BOLLARD NTS



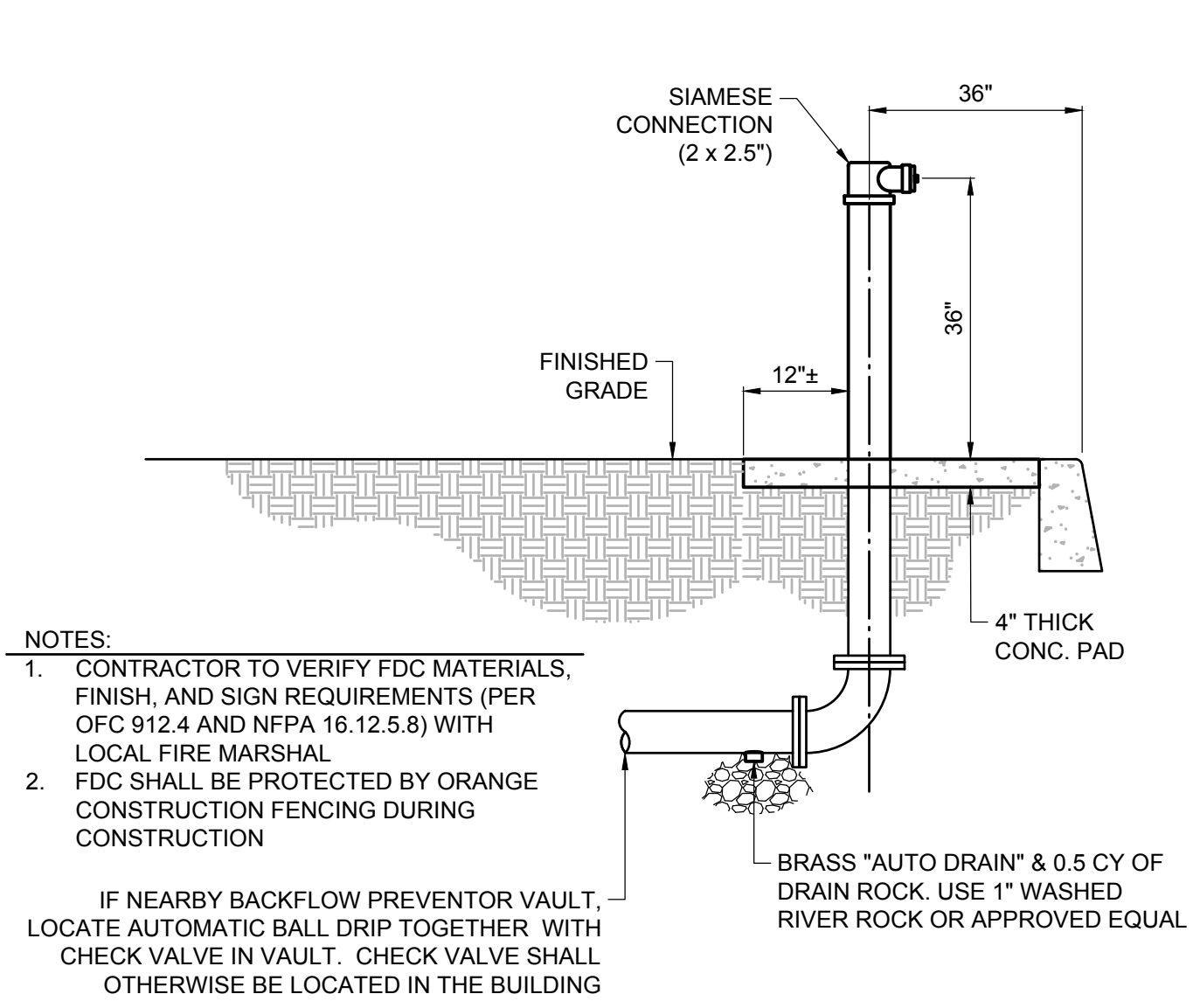
14 STOP SIGN N.T.S.



13 PARALLEL CURB RAMPS NTS



13 PARALLEL CURB RAMPS NTS



16 FIRE DEPARTMENT CONNECTION NTS

REVISION SCHEDULE		
Delta	Issued As	Issue Date
1	PLAN CHECK	06/10/2022

BACKFLOW PREVENTER SHALL BE APPROVED BY THE STATE HEALTH DEPARTMENT AND PLUMBING CODE

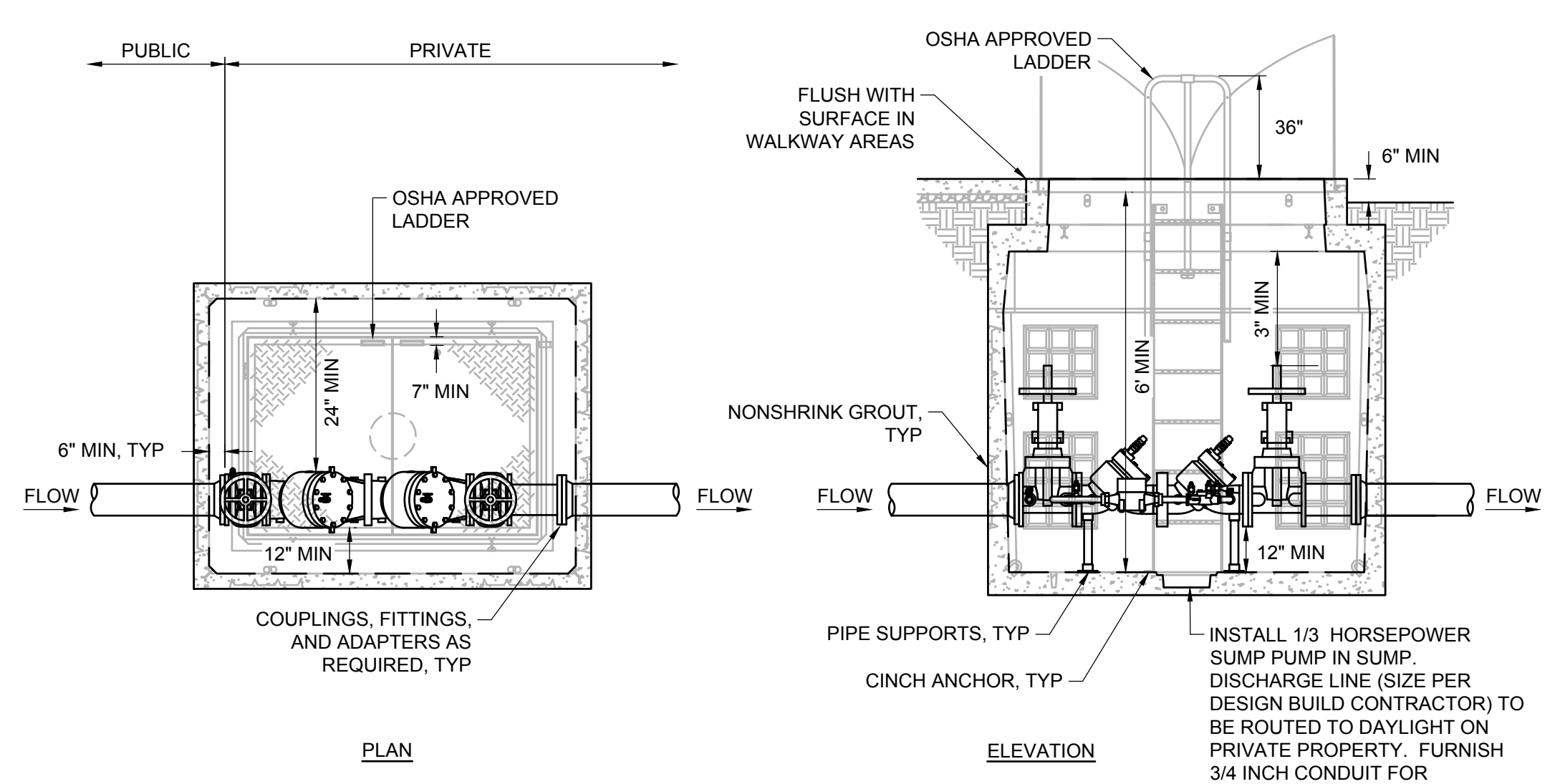
VAULT SHALL BE PRECAST CONCRETE WITH GALVANIZED HINGED ACCESS DOORS (OLDCASTLE, OR EQUAL)

VAULT SHALL BE MECHANICALLY LOCKED AND VALVES SHALL BE PROVIDED WITH ELECTRONIC TAMPER SWITCHES

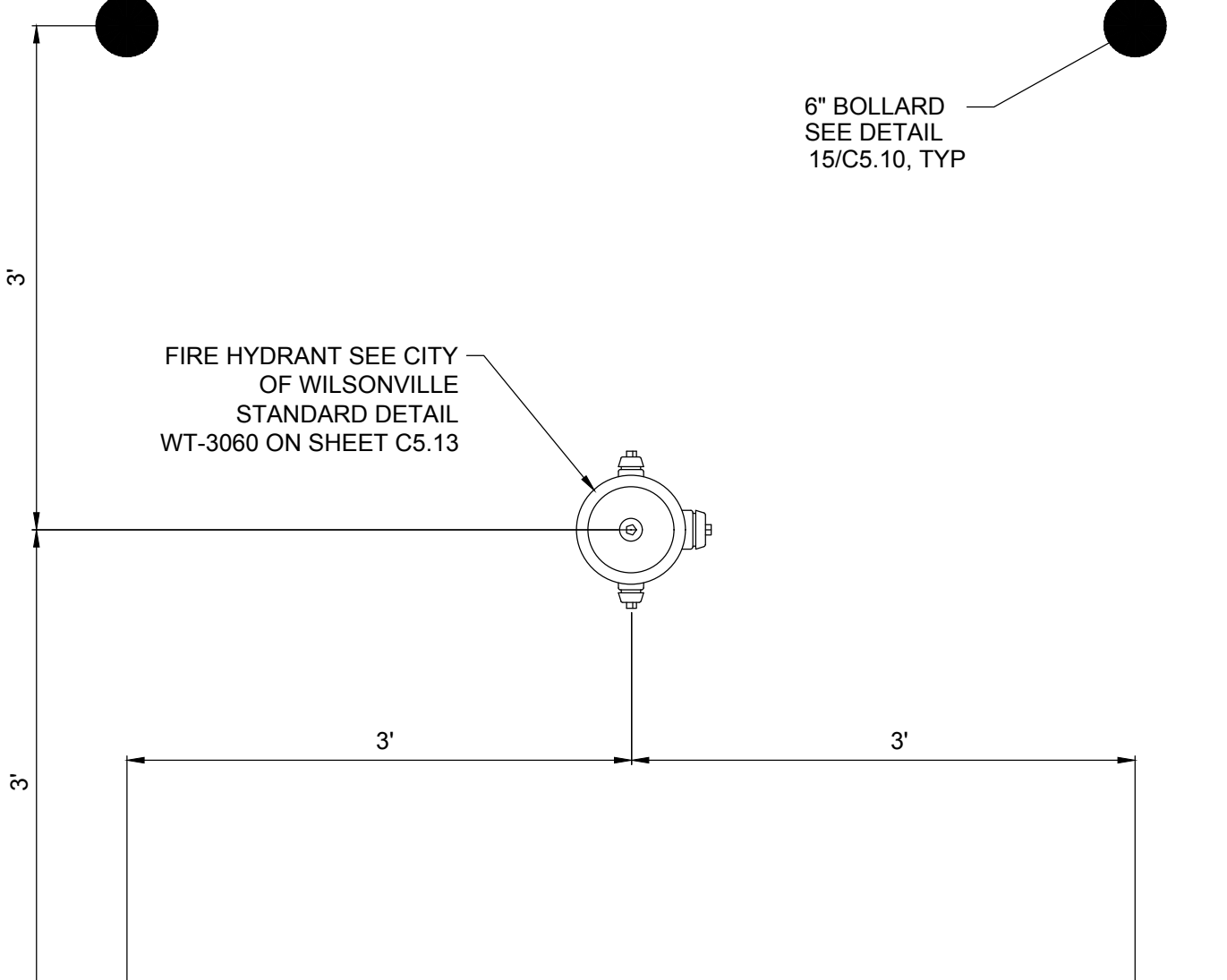
APPROXIMATE VAULT SIZES	
BACKFLOW (DIAMETER)	VAULT (OUTSIDE)
3 INCH	7'-0" (L) 4'-8" (W) 7'-0" (H)
4 INCH	7'-0" (L) 4'-8" (W) 7'-0" (H)
6 INCH	7'-9" (L) 6'-3" (W) 7'-2" (H)
8 INCH	8'-8" (L) 6'-8" (W) 8'-1" (H)
10 INCH	8'-8" (L) 6'-8" (W) 8'-1" (H)

BACKFLOW PREVENTER SHALL BE APPROVED BY THE STATE HEALTH DEPARTMENT AND PLUMBING CODE

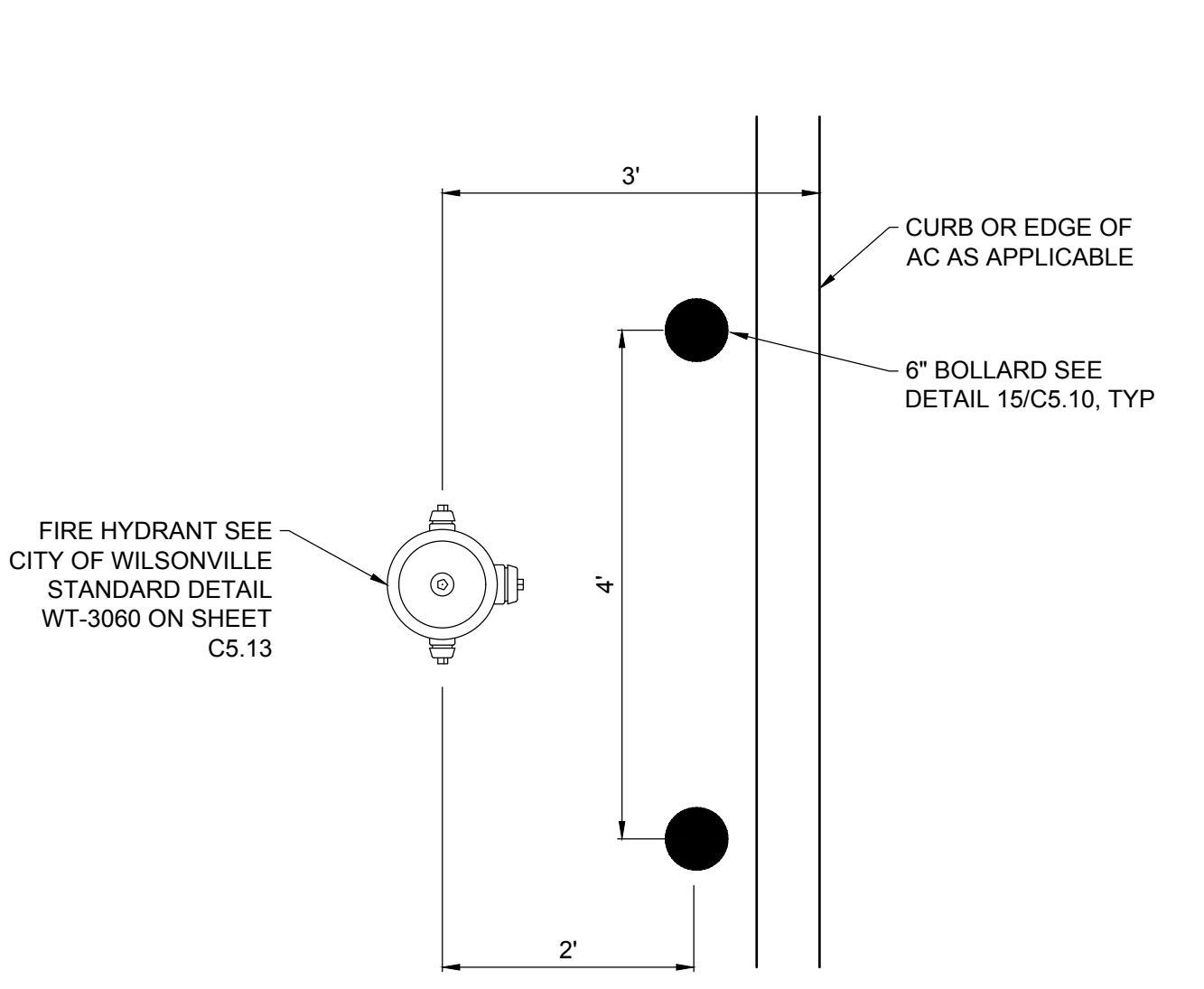
ENCLOSURE SHALL BE WEATHERPROOF, INSULATED, AND HEATED (HOTBOX, OR EQUAL)



DOUBLE CHECK VALVE AND VAULT (3" AND LARGER)
C5.11 N.T.S.

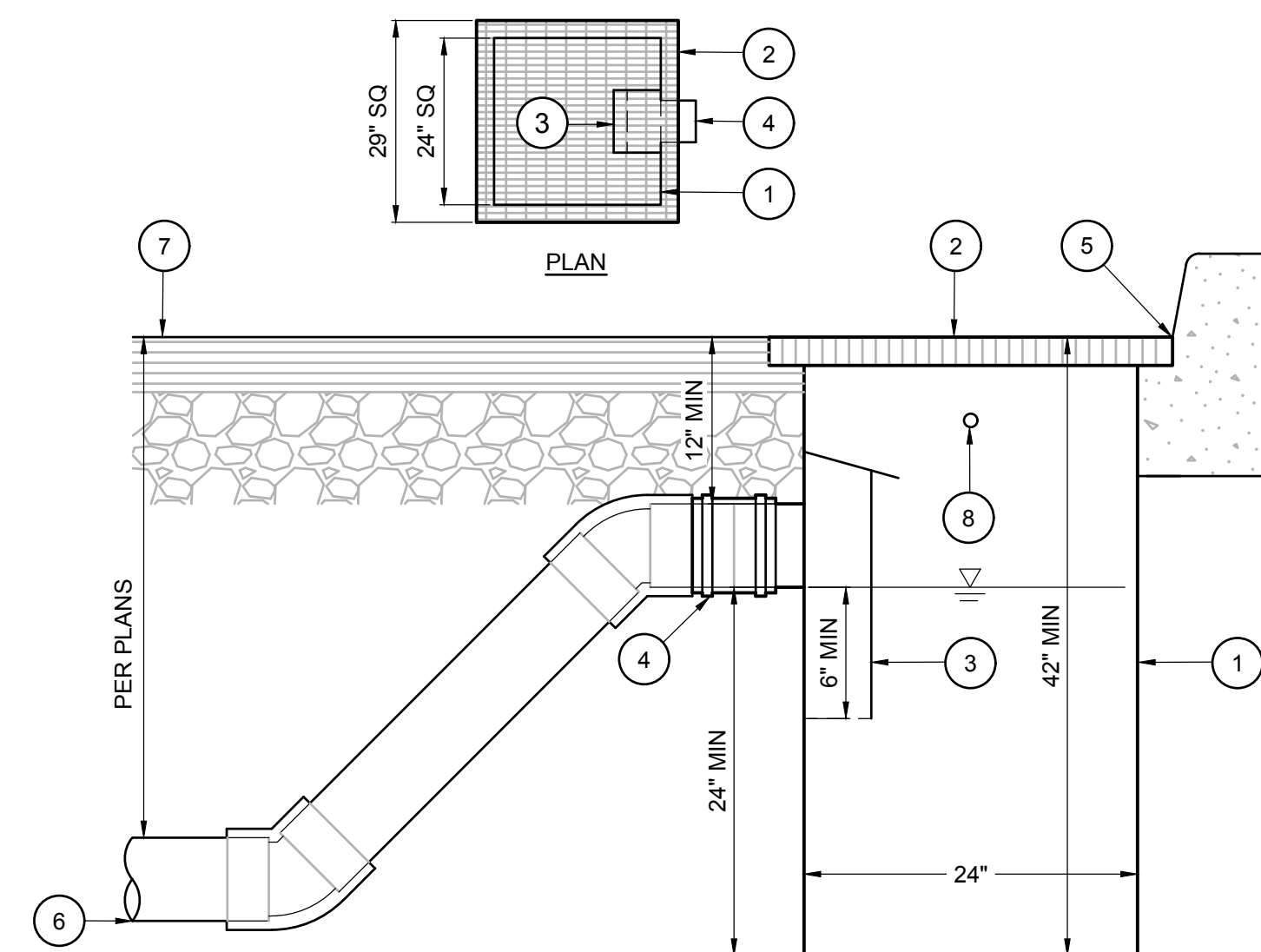


FIRE HYDRANT (4) BOLLARD PROTECTION
C5.11 N.T.S.

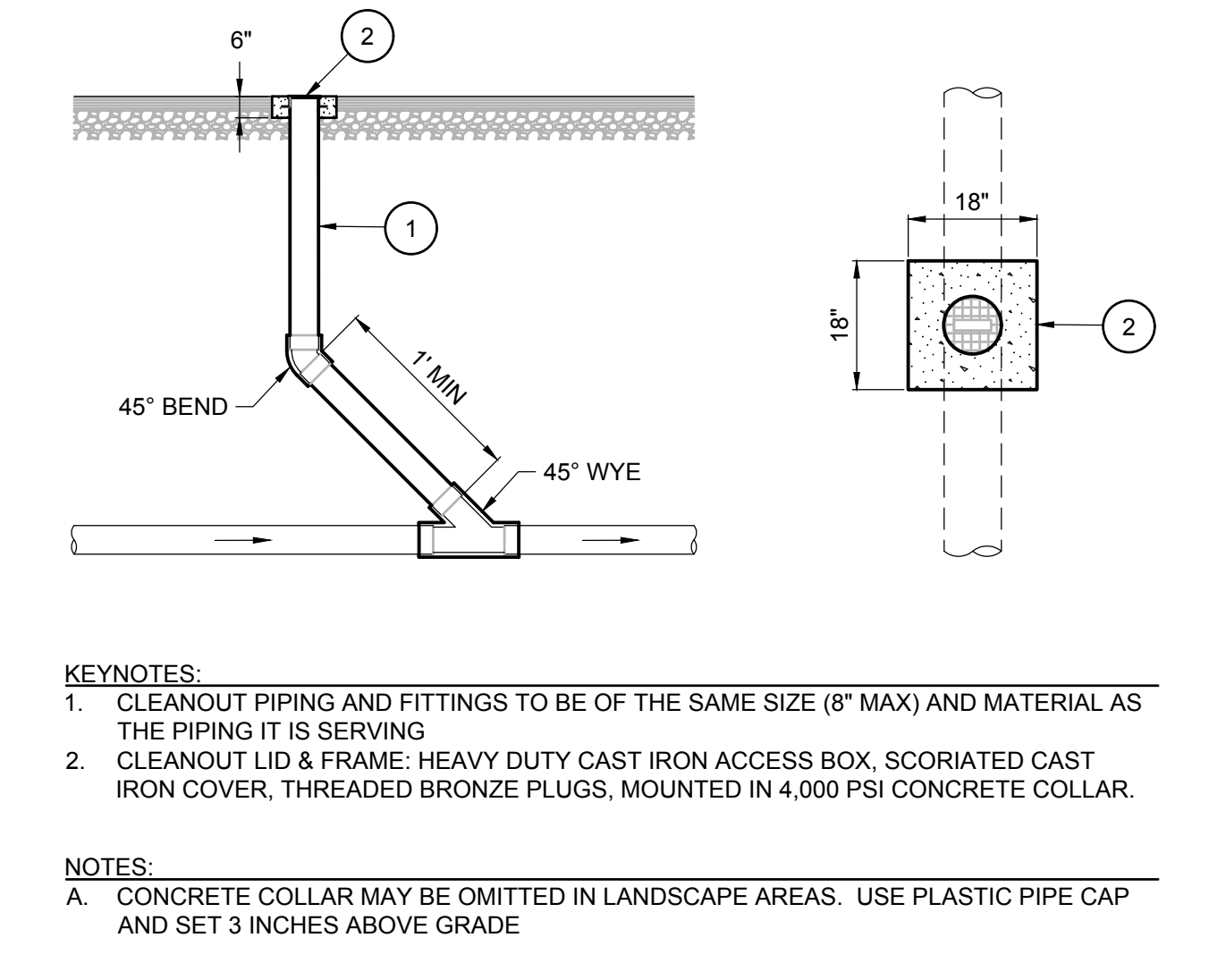


FIRE HYDRANT BOLLARD PROTECTION
C5.11 N.T.S.

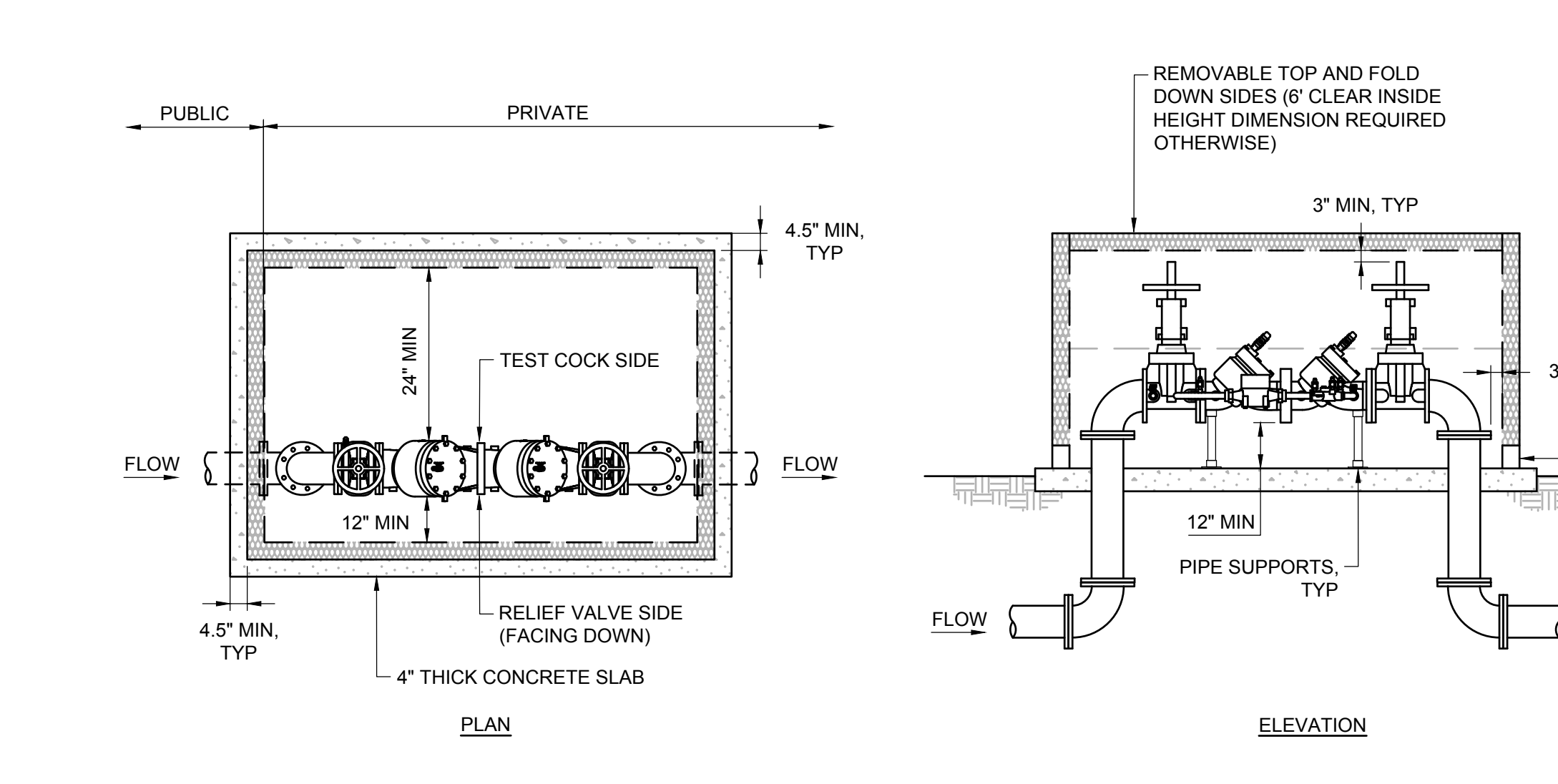
NOT USED
C5.11 N.T.S.



STEEL CATCH BASIN
C5.11 N.T.S.



CLEANOUT
C5.11 N.T.S.



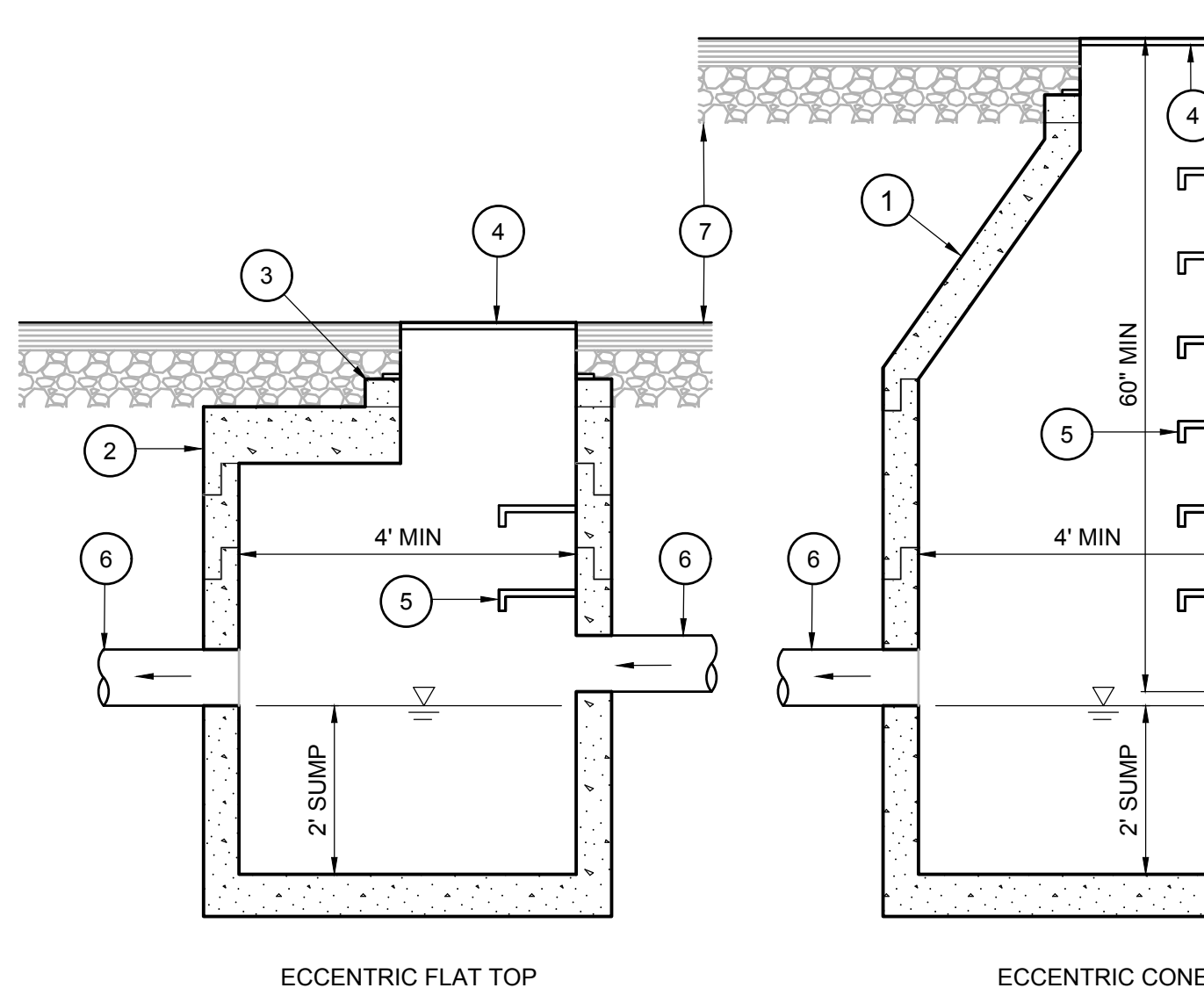
REDUCED PRESSURE BACKFLOW AND ENCLOSURE (3" AND LARGER)
C5.11 N.T.S.

KEYNOTES:

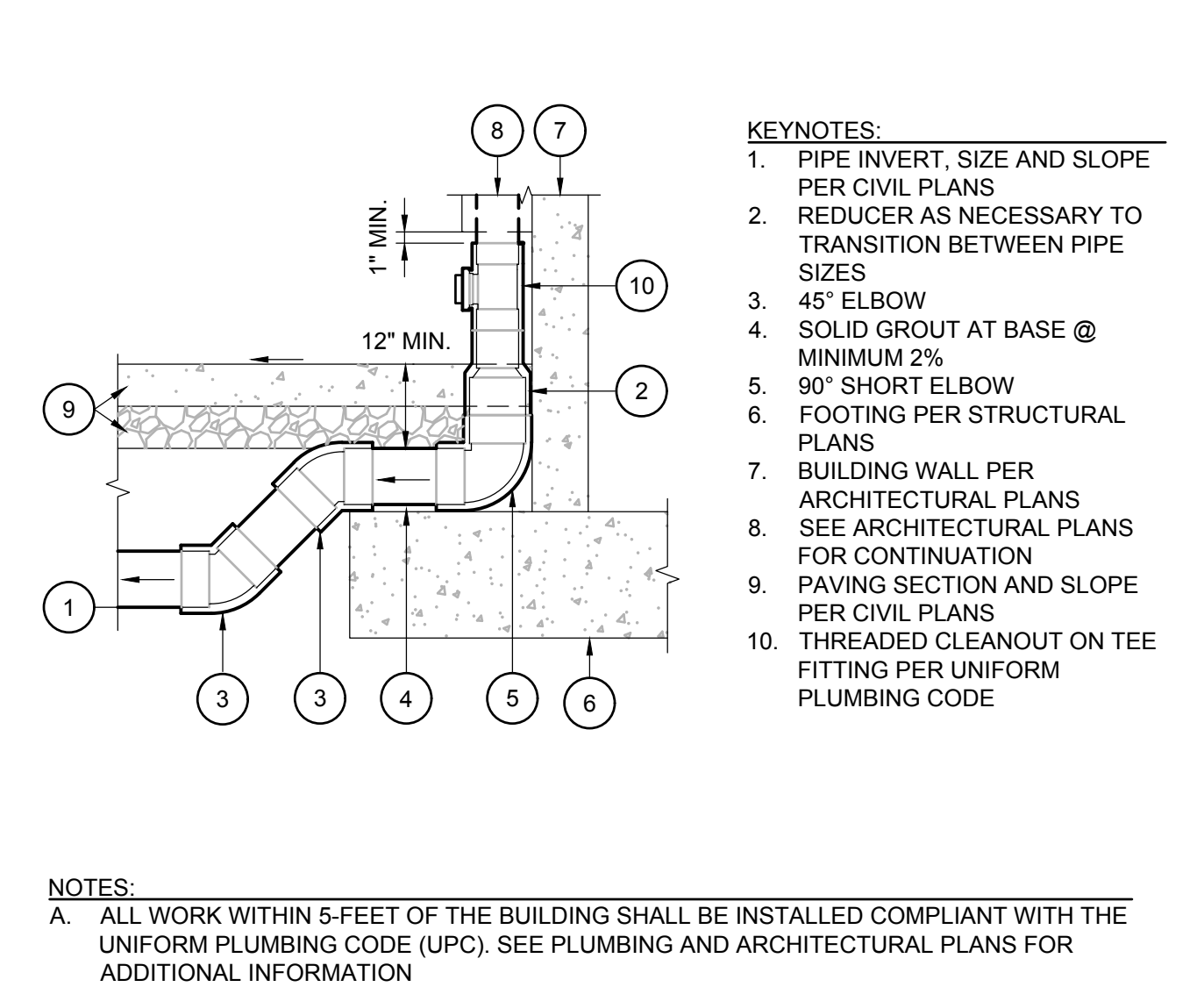
- PREFABRICATED, ASPHALT DIPPED, 10 GAUGE STEEL SUMPED CATCH BASIN WITH INTEGRAL GRATE FRAME
- GRATE: HEAVY DUTY CAST IRON (ASTM A 48, CLASS 30B) BICYCLE SAFE
- SEDIMENT TRAP WITH HINGED LID
- INSTALL FLEXIBLE CLAMPED COUPLING ON INTEGRAL CATCH BASIN OUTLET. IMMEDIATELY TURN DOWN PIPING AT 45 DEGREES TO INTERSECT WITH THE SITE PIPING
- LOCATE CATCH BASIN SUCH THAT THE EDGE OF GRATE FRAME IS IN LINE WITH THE ABUTTING CURBLINE (WHERE APPLIES)
- PIPE SIZE, INVERT, AND SLOPE PER PLANS
- PAVING SECTION PER PLANS
- 1/2 INCH TO 1 INCH DIAMETER WEEPHOLES, MINIMUM 1 PER SIDE. CONTRACTOR SHALL VERIFY COMPLIANCE WITH LOCAL JURISDICTION PRIOR TO PROCURING MATERIALS

NOTES:

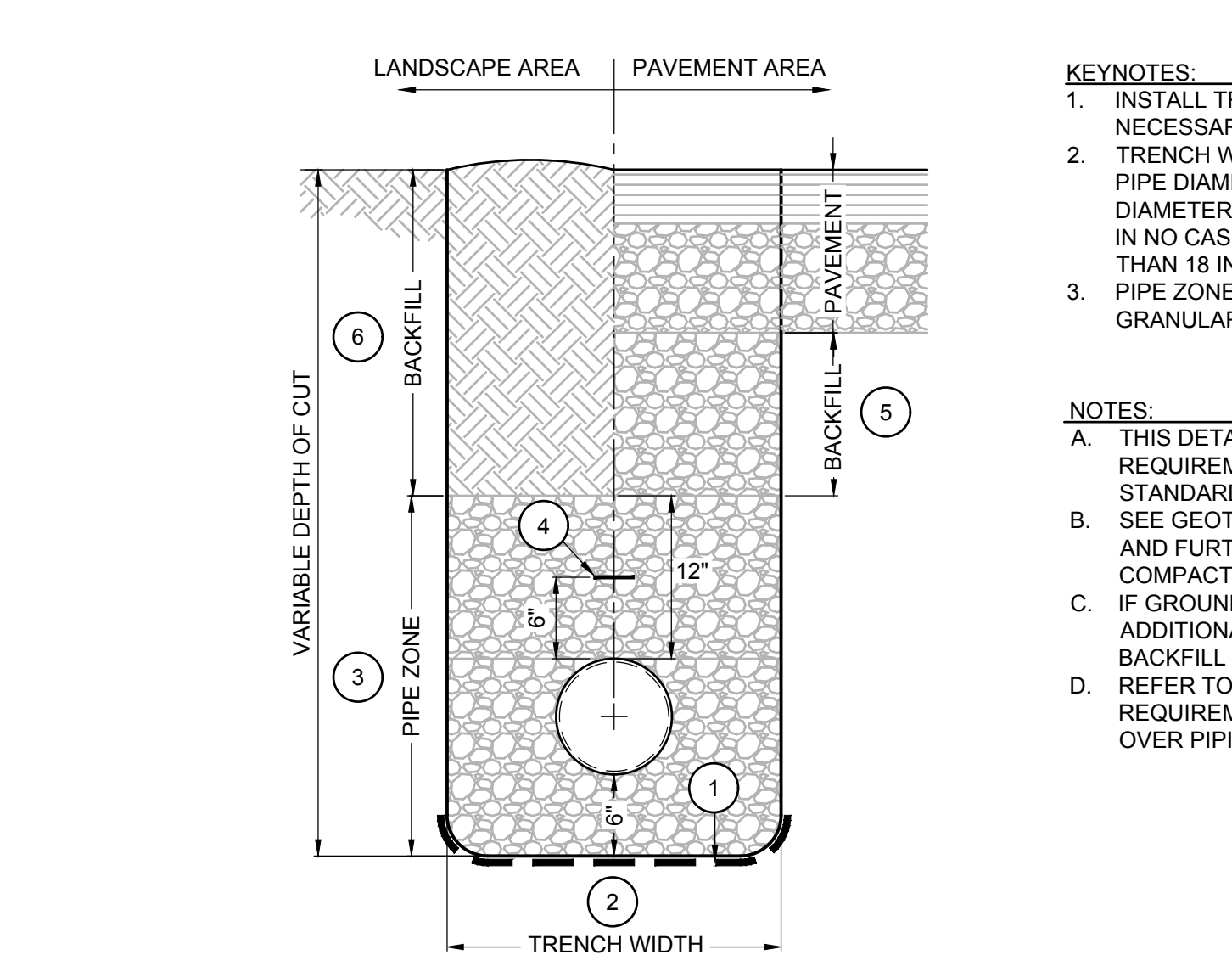
- ALL PRODUCTS USED SHALL BE COMPLIANT WITH BOTH THE UNIFORM AND LOCAL JURISDICTION PLUMBING CODES
- WHERE ABUTTING CURBING, GRATE SHALL BE ORIENTED SO THAT THE ELONGATED PATTERN IS PERPENDICULAR TO THE CURB FACE



STORM SEWER MANHOLES
C5.11 N.T.S.



DOWNSPOUT
C5.11 N.T.S.



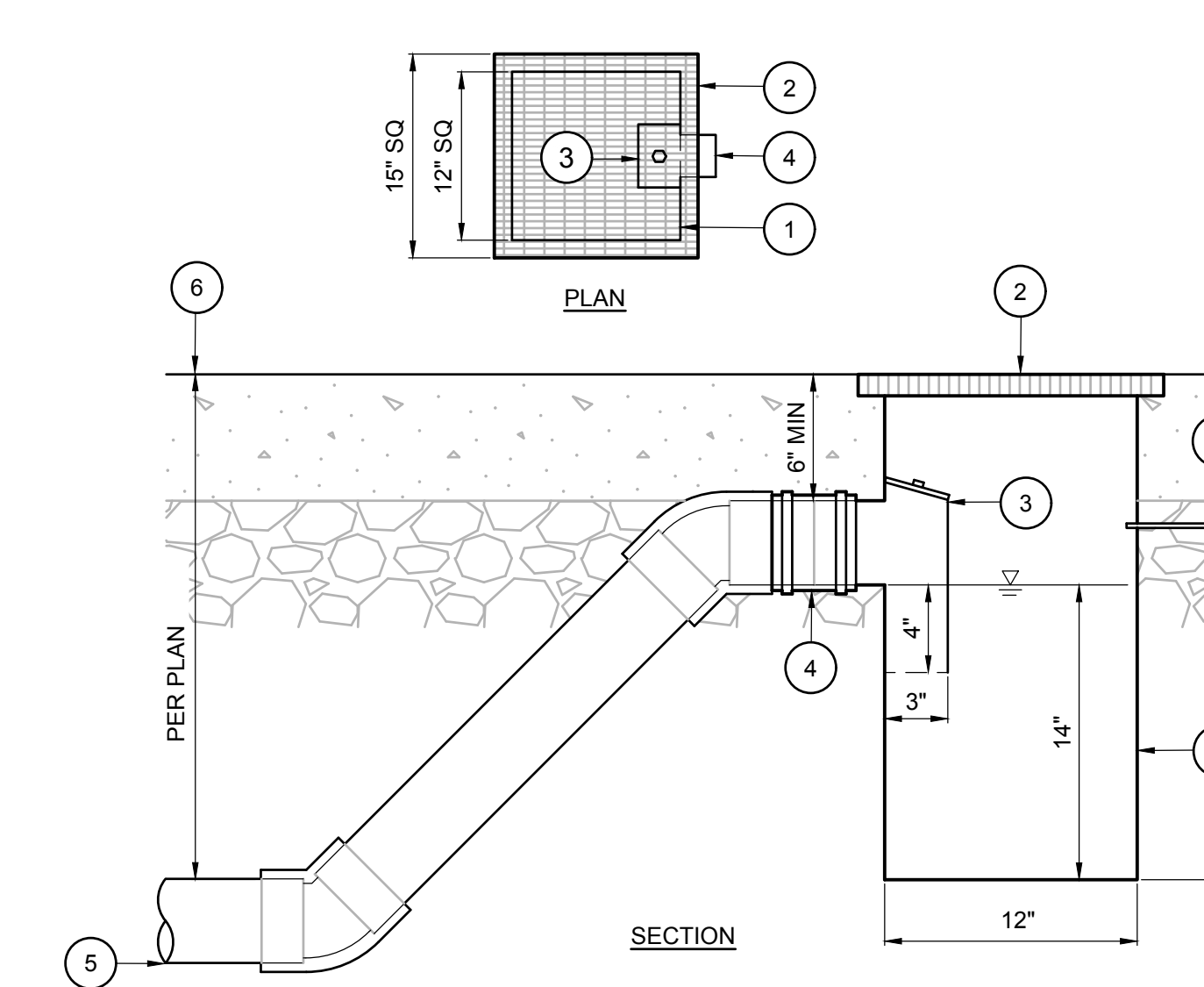
UTILITY TRENCH BEDDING & BACKFILL
C5.11 N.T.S.

KEYNOTES:

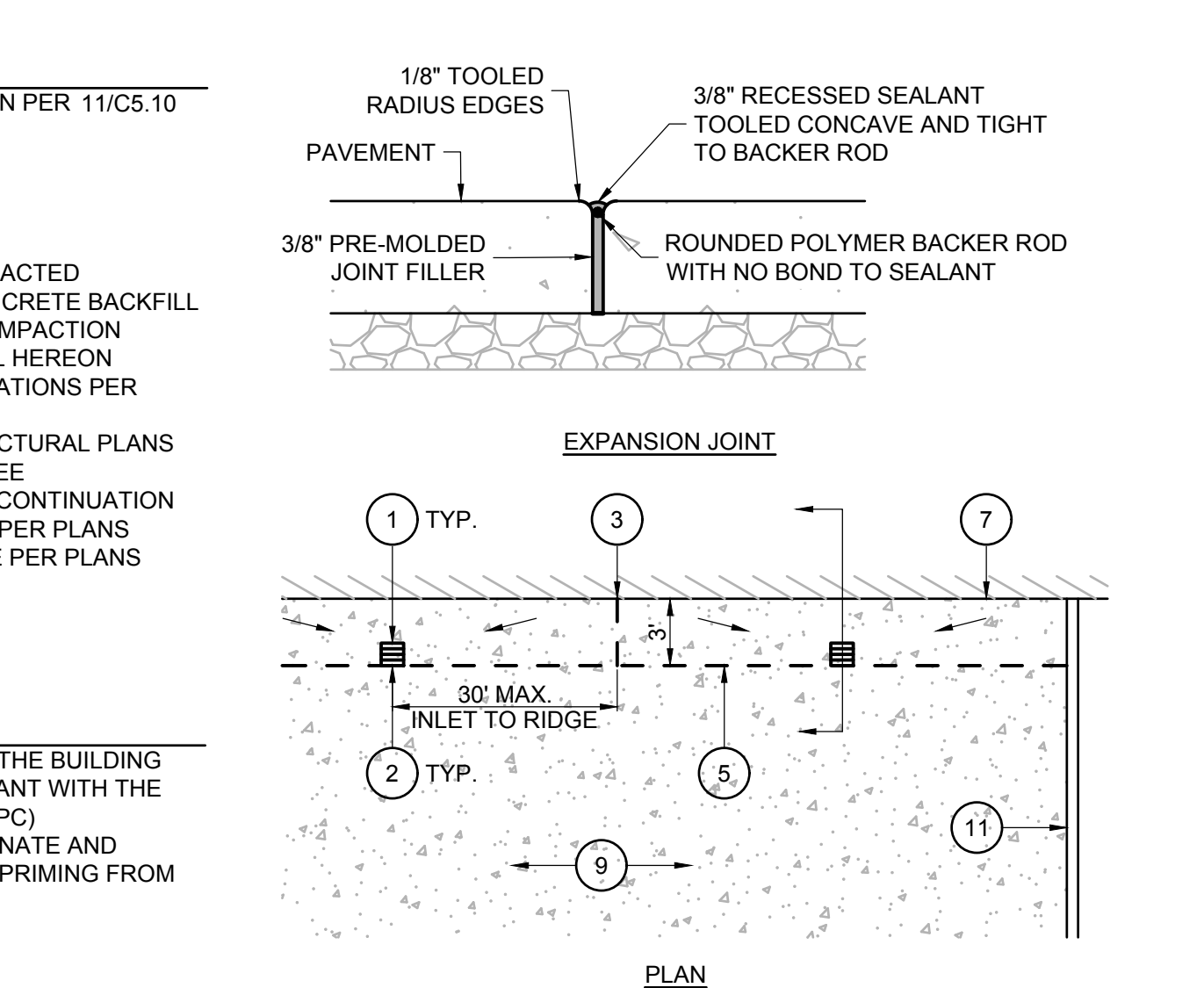
- INSTALL TRENCH STABILIZATION AS NECESSARY TO OBTAIN COMPACTION
- TRENCH WIDTH SHALL ACCOMMODATE THE PIPE DIAMETER PLUS ONE ADDITIONAL PIPE DIAMETER ON EITHER SIDE OF THE PIPE, BUT IN NO CASE LESS THAN 6 INCHES OR MORE THAN 18 INCHES
- PIPE ZONE TO CONSIST OF IMPORTED GRANULAR MATERIAL
- TRACER WIRE PER PROJECT SPECIFICATIONS
- BACKFILL IN PAVEMENT AREAS WITH IMPORTED GRANULAR MATERIAL TO PAVEMENT SUBGRADE ELEVATION
- BACKFILL IN LANDSCAPE AREAS WITH NATIVE MATERIAL TO PLANTER SUBGRADE ELEVATION. MOUND TOP TO SHED AT 2% EACH DIRECTION

NOTES:

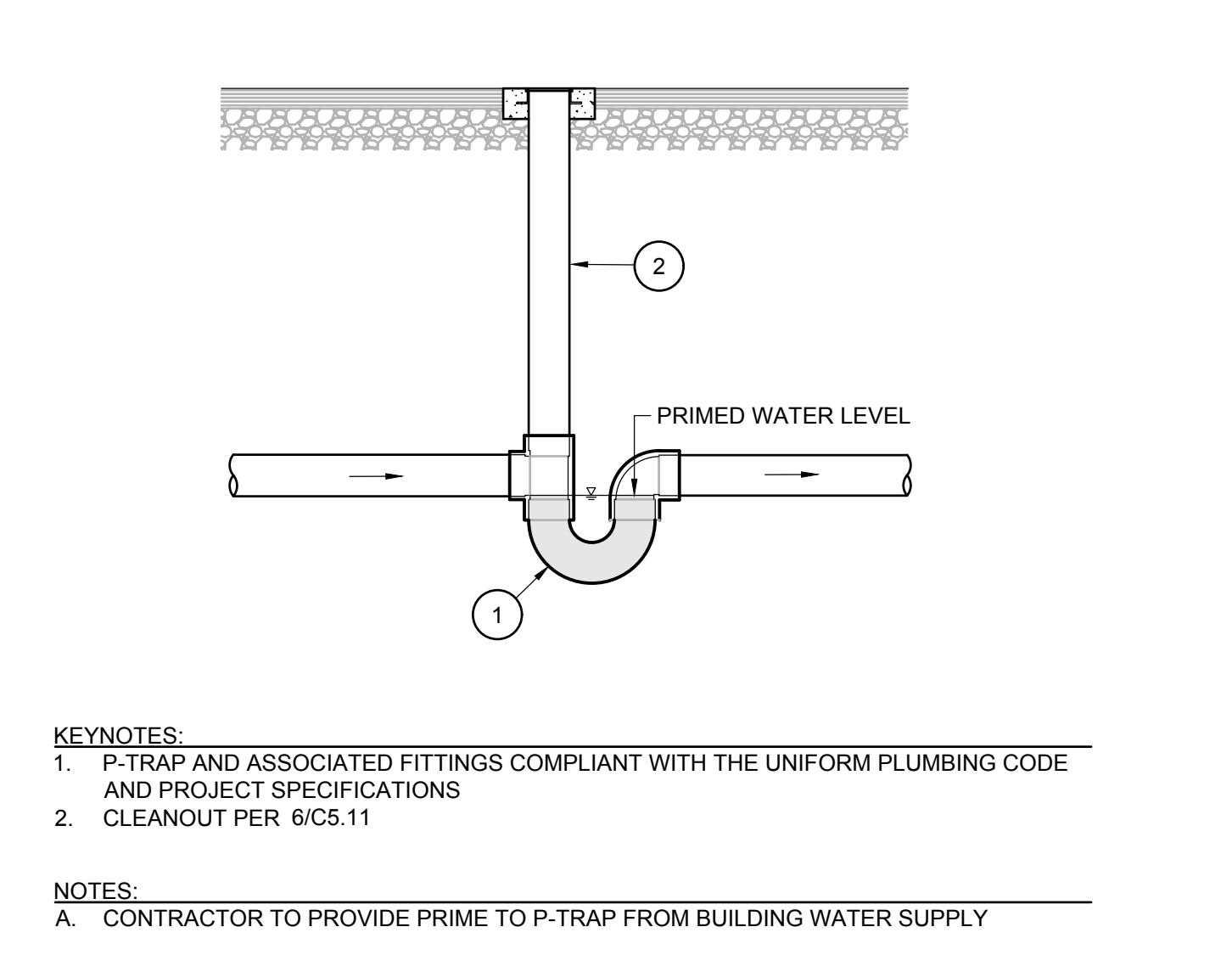
- THIS DETAIL IS FOR USE ON PRIVATE PROPERTY ONLY. TRENCHING AND BACKFILL REQUIREMENTS FOR WORK IN THE PUBLIC RIGHT-OF-WAY SHALL BE COMPLIANT WITH THE STANDARDS OF THE AUTHORITY HAVING JURISDICTION
- SEE GEOTECHNICAL REPORT AND PROJECT SPECIFICATIONS FOR RECOMMENDED MATERIALS AND FURTHER REQUIREMENTS (I.E. SIZE AND GRADATION OF GRANULAR MATERIALS, MINIMUM COMPACTION, MAXIMUM LIFT PLACEMENT, TRACER WIRE, ETC.)
- IF GROUNDWATER IS ENCOUNTERED, CONSULT THE GEOTECHNICAL ENGINEER OF RECORD FOR ADDITIONAL RECOMMENDATIONS WITH REGARD TO TRENCHING, PIPE PLACEMENT, AND BACKFILL
- REFER TO PROJECT SPECIFICATIONS FOR MINIMUM PIPE COVER AND ALTERNATE MATERIAL REQUIREMENTS. CONTRACTOR SHALL PREVENT CONSTRUCTION VEHICLES FROM DRIVING OVER PIPING WITH LESS THAN 12" COVER AT ANY POINT IN TIME DURING CONSTRUCTION



SANITARY AREA DRAIN
C5.11 N.T.S.



LOADING DOCK ISOLATION ROW
C5.11 N.T.S.



P-TRAP
C5.11 N.T.S.

KEYNOTES:

- PRIMED SANITARY AREA DRAIN PER 11/C5.10 (ELEVATION = FF - 4'-2")
- 1/8" TOOLED RADIUS EDGE (ELEVATION = FF - 4'-0")
- NO LIP AT RIDGE LINE (ELEVATION = FF - 4'-0")
- LEAVE NO VOIDS OR UNCOMPACTED MATERIAL. UTILIZE LEAN CONCRETE BACKFILL IF NECESSARY TO OBTAIN COMPACTION
- EXPANSION JOINT PER DETAIL HEREON
- RETAINING WALL AND FOUNDATIONS PER STRUCTURAL PLANS
- BUILDING WALL PER ARCHITECTURAL PLANS
- BUILDING FINISHED FLOOR. SEE ARCHITECTURAL PLANS FOR CONTINUATION
- PAVING SECTION AND SLOPE PER PLANS
- PIPE INVERT, SIZE AND SLOPE PER PLANS

NOTES:

- ALL WORK WITHIN 5-FEET OF THE BUILDING SHALL BE INSTALLED COMPLIANT WITH THE UNIFORM PLUMBING CODE (UPC)
- CONTRACTOR SHALL COORDINATE AND INSTALL WATER SUPPLY FOR PRIMING FROM BUILDING PLUMBING

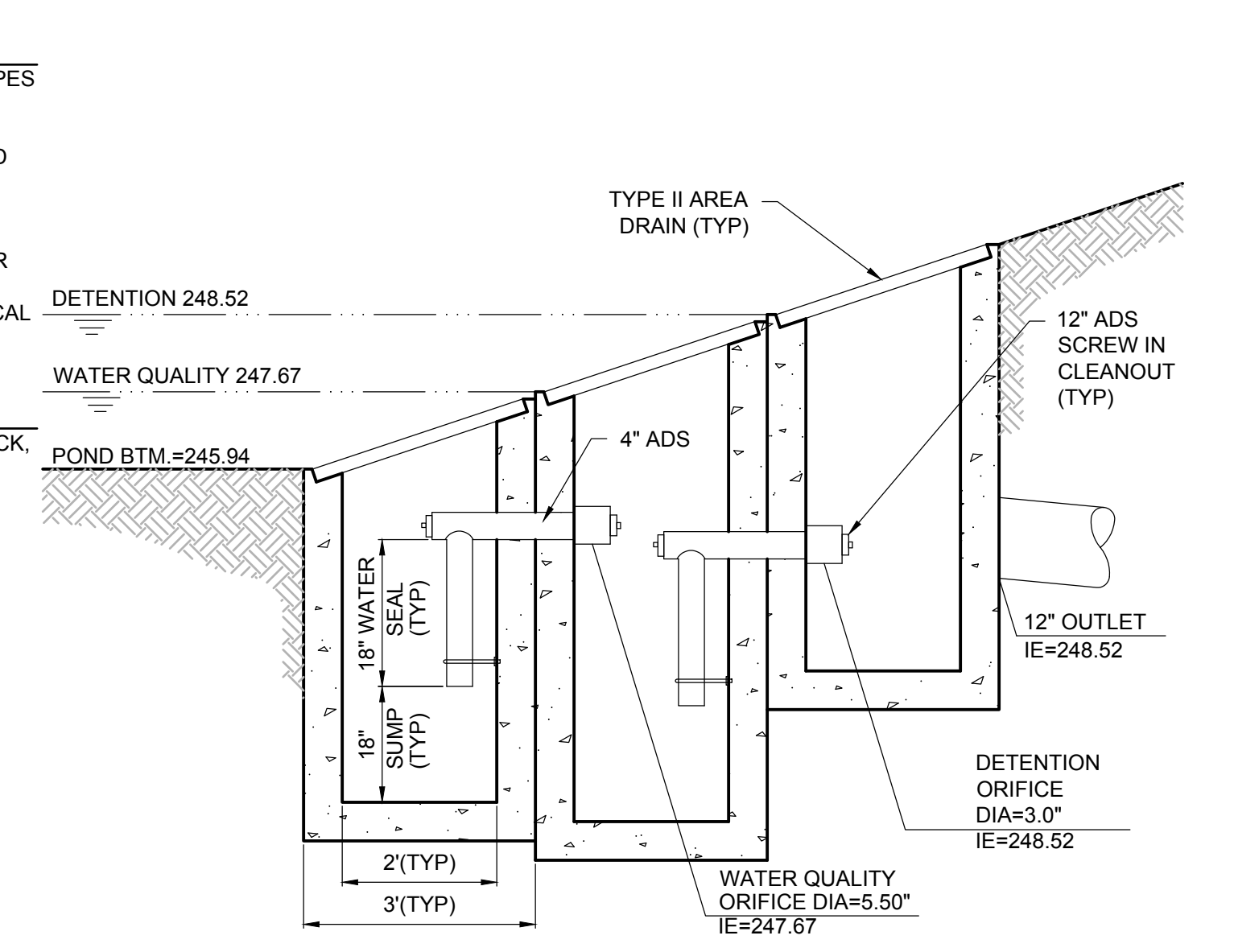
REVISION SCHEDULE		
Delta	Issued As	Issue Date
1	PLAN CHECK	06/10/2022
2	LAND USE	11/15/2022

CIVIL DETAILS

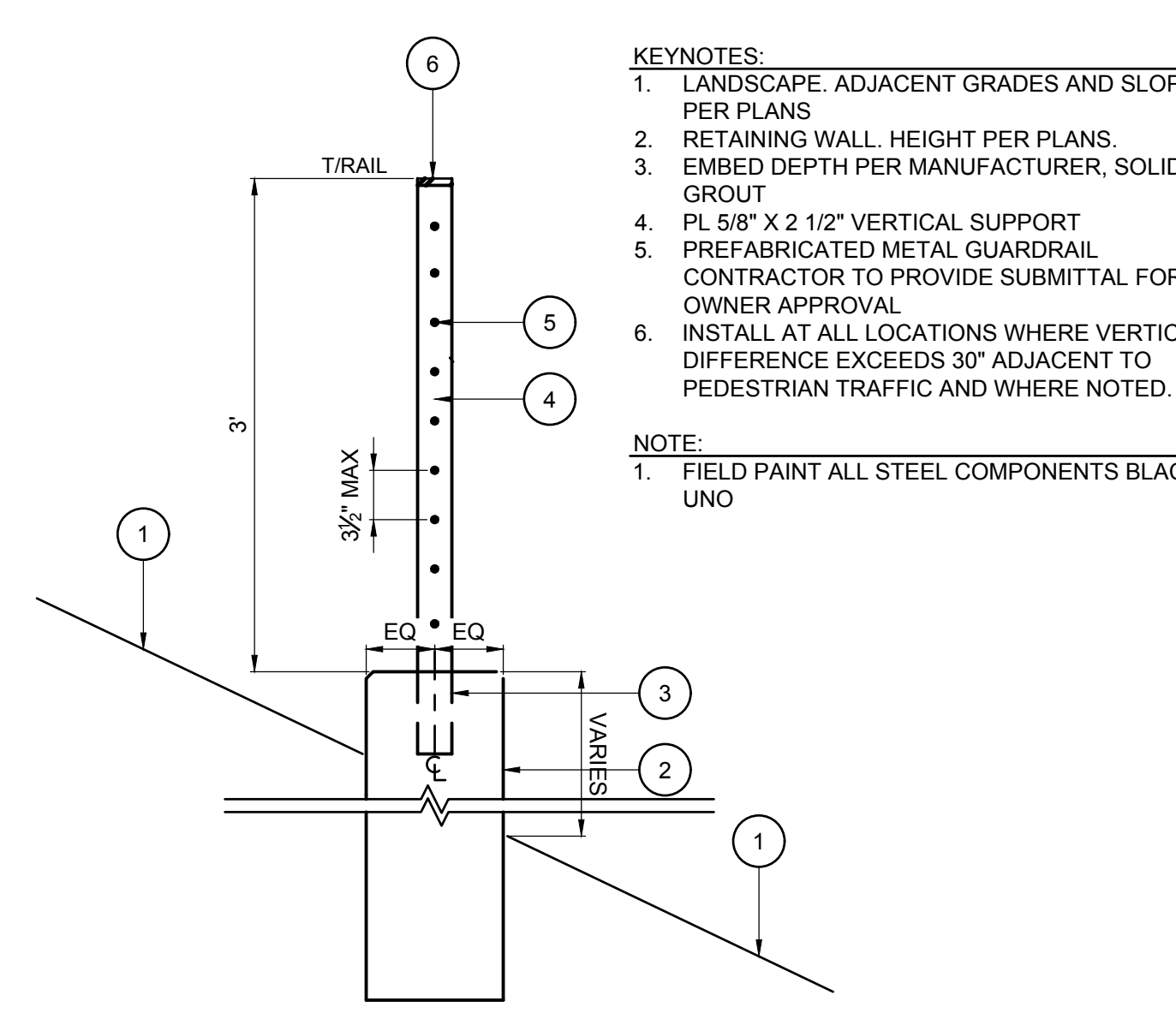
SHEET

C5.12

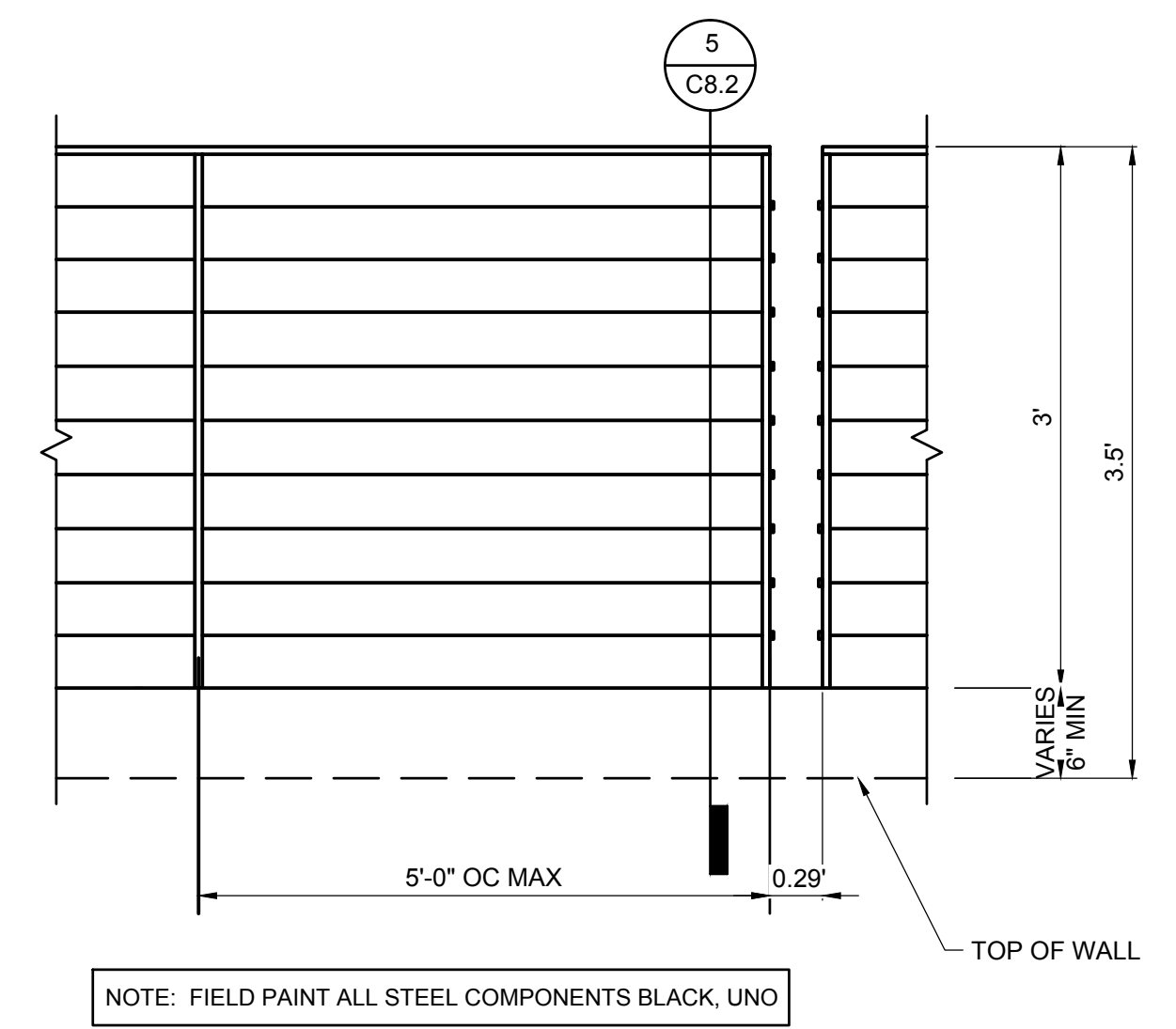
JOB NO. **2200502.00**



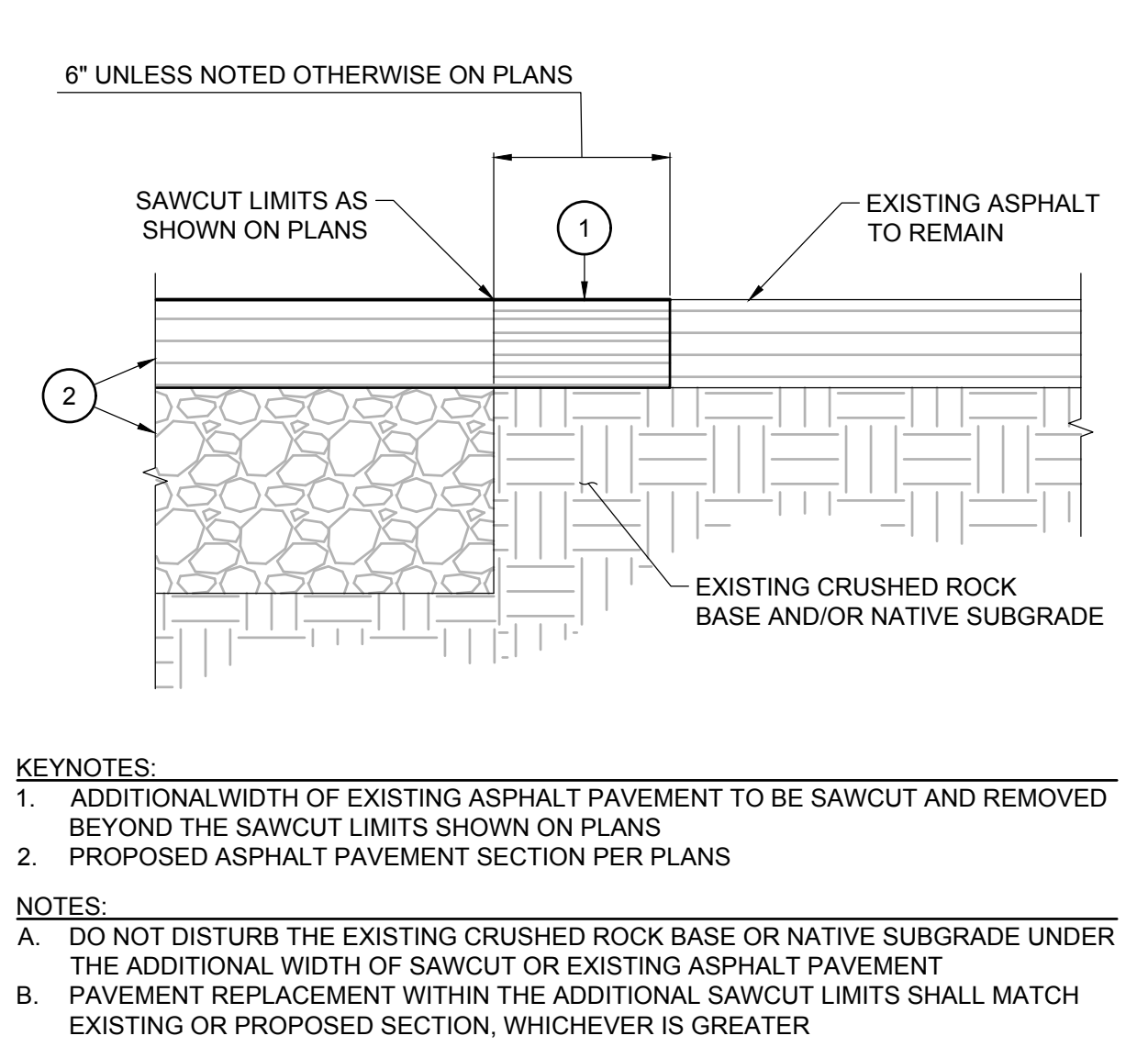
5 RAIN GARDEN 1 OUTLET
 N.T.S. OUTFLOW DEVICE



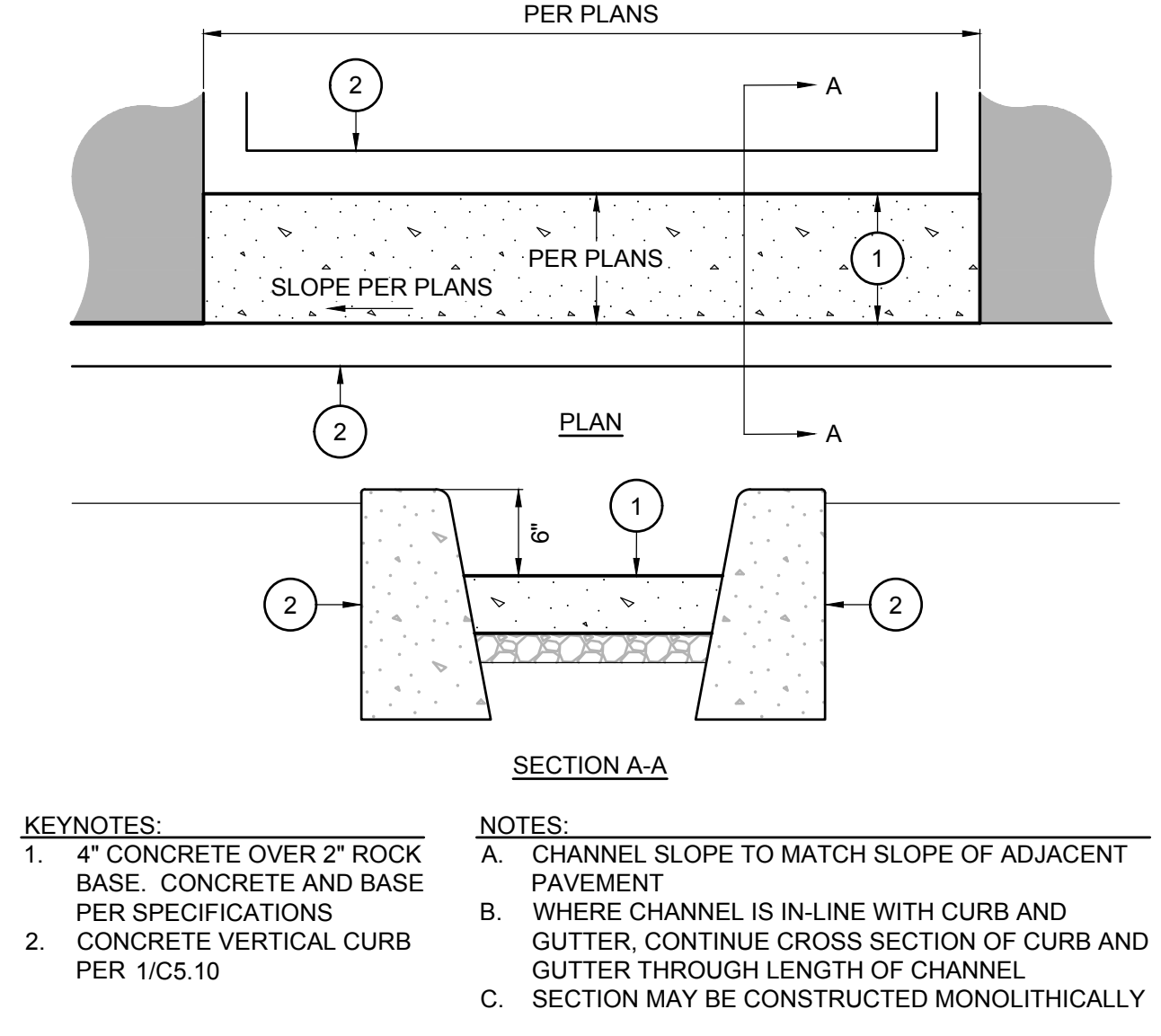
4 GUARDRAIL SECTION - EMBED
 N.T.S.



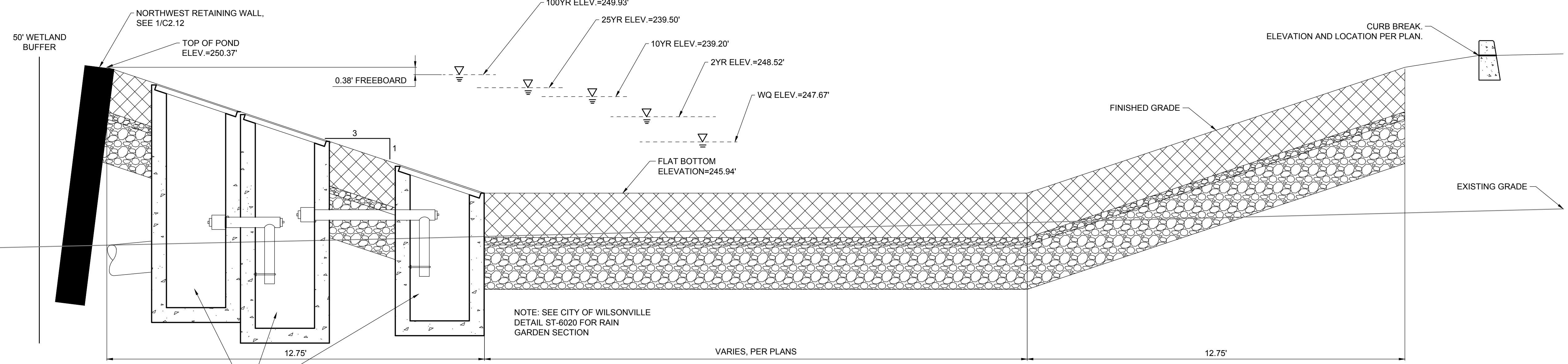
3 GUARDRAIL ELEVATION
 N.T.S.



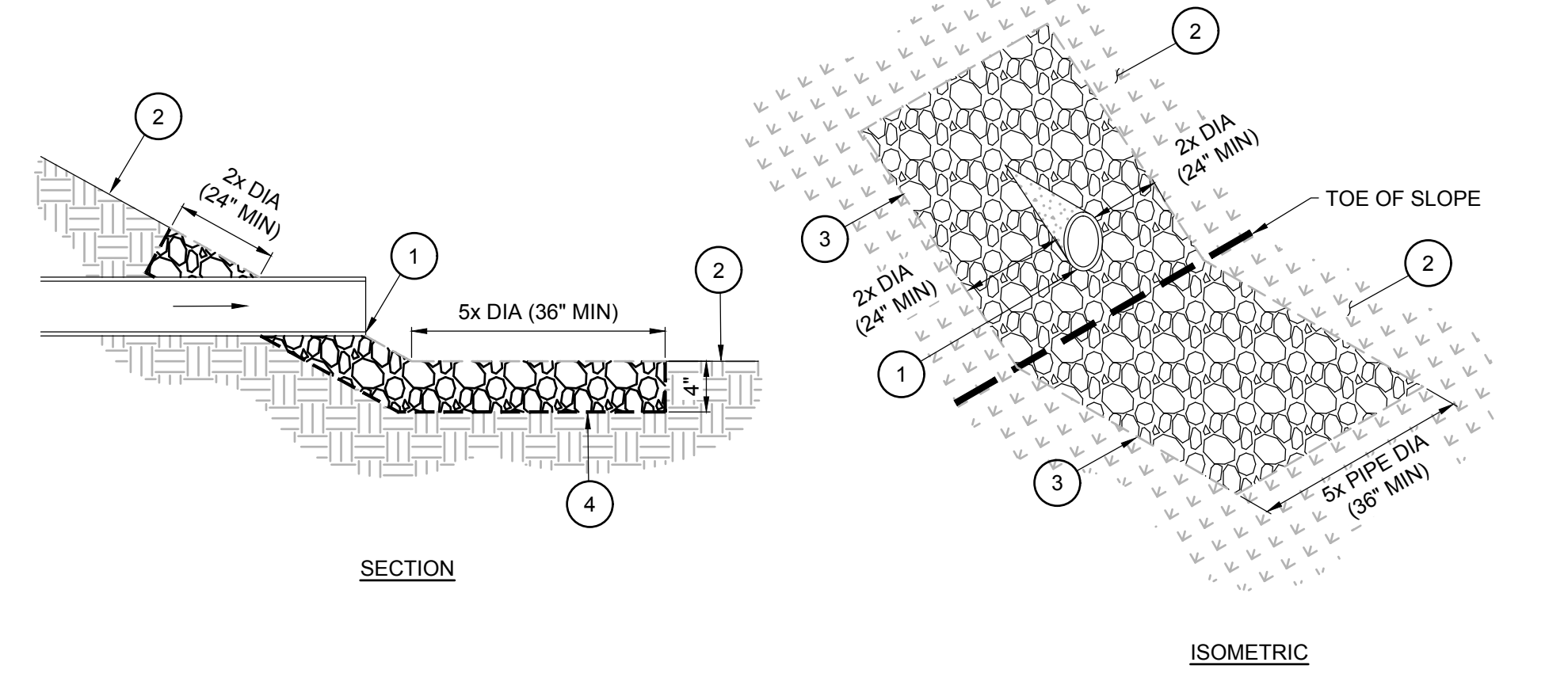
2 ASPHALT PAVEMENT SAWCUT
 N.T.S.



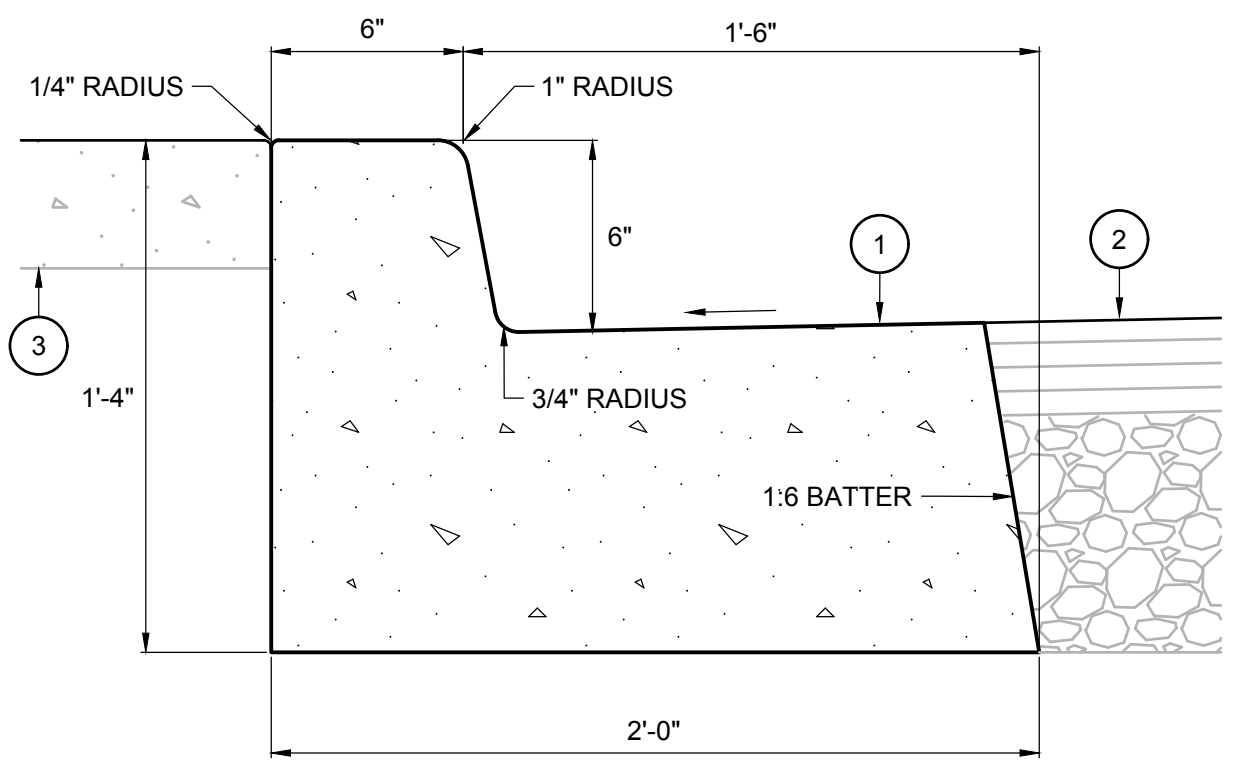
1 CONCRETE CURB CHANNEL
 N.T.S.



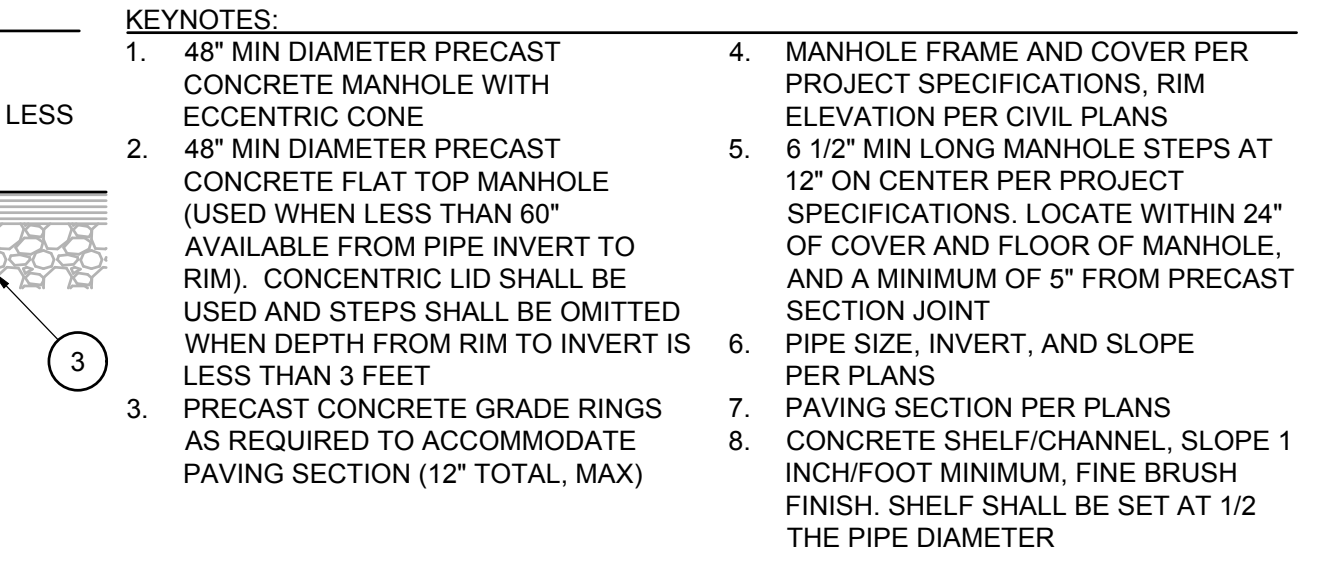
6 RAIN GARDEN - TYPICAL SECTION
 SCALE: 1"=2'



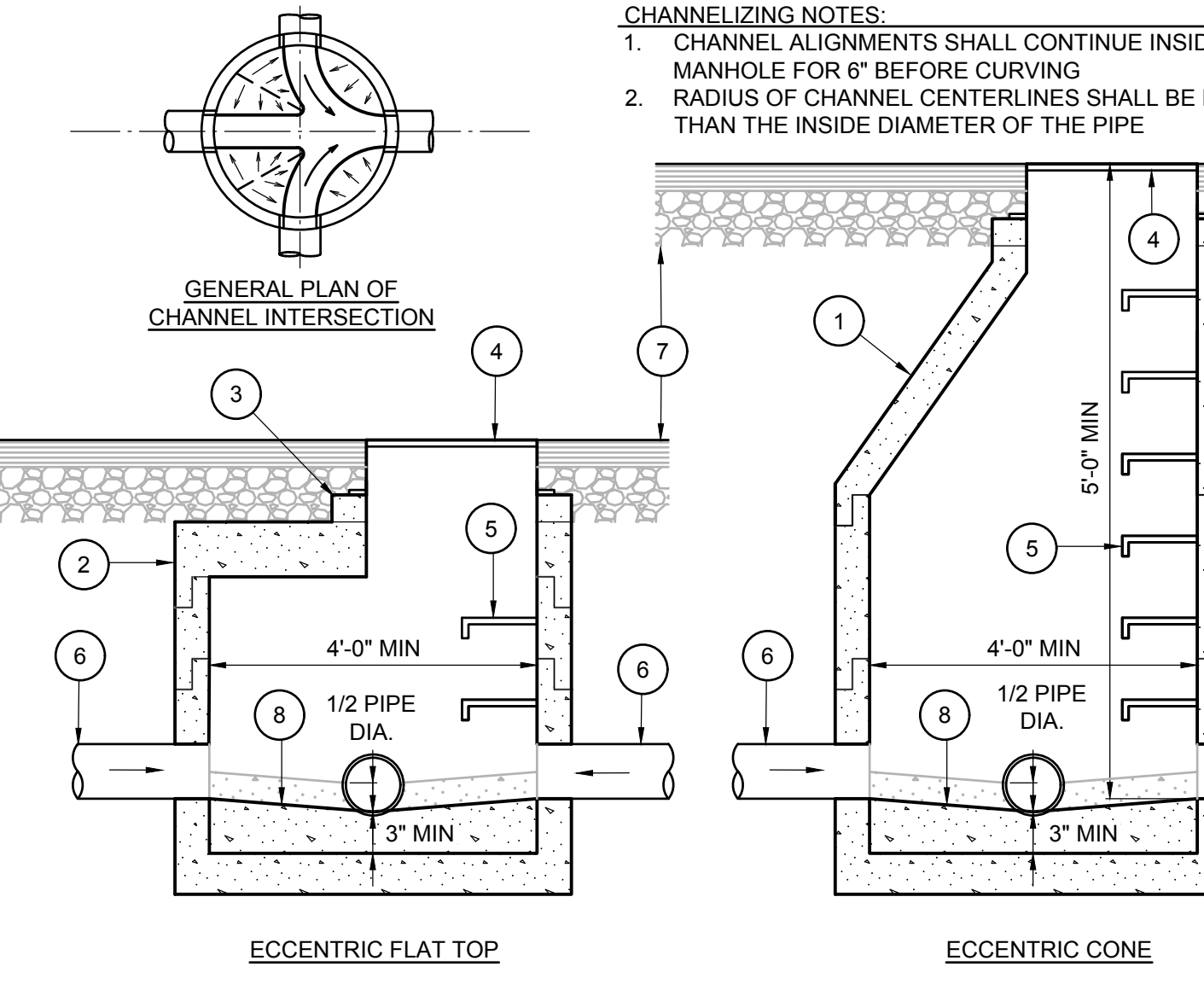
7 PIPE OUTFALL - RIP RAP
 N.T.S.

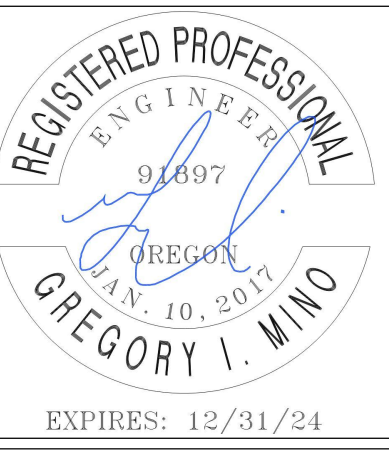
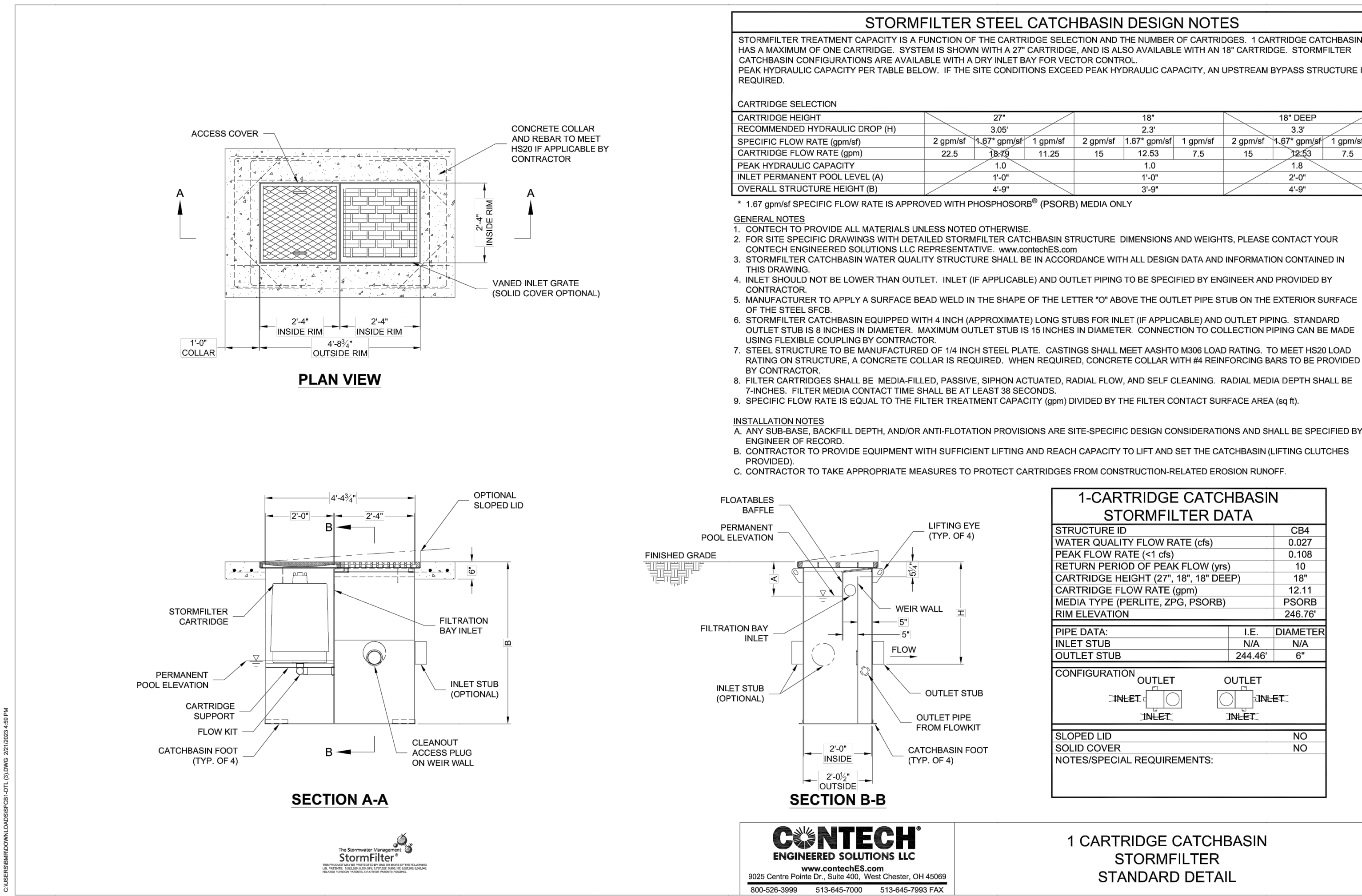
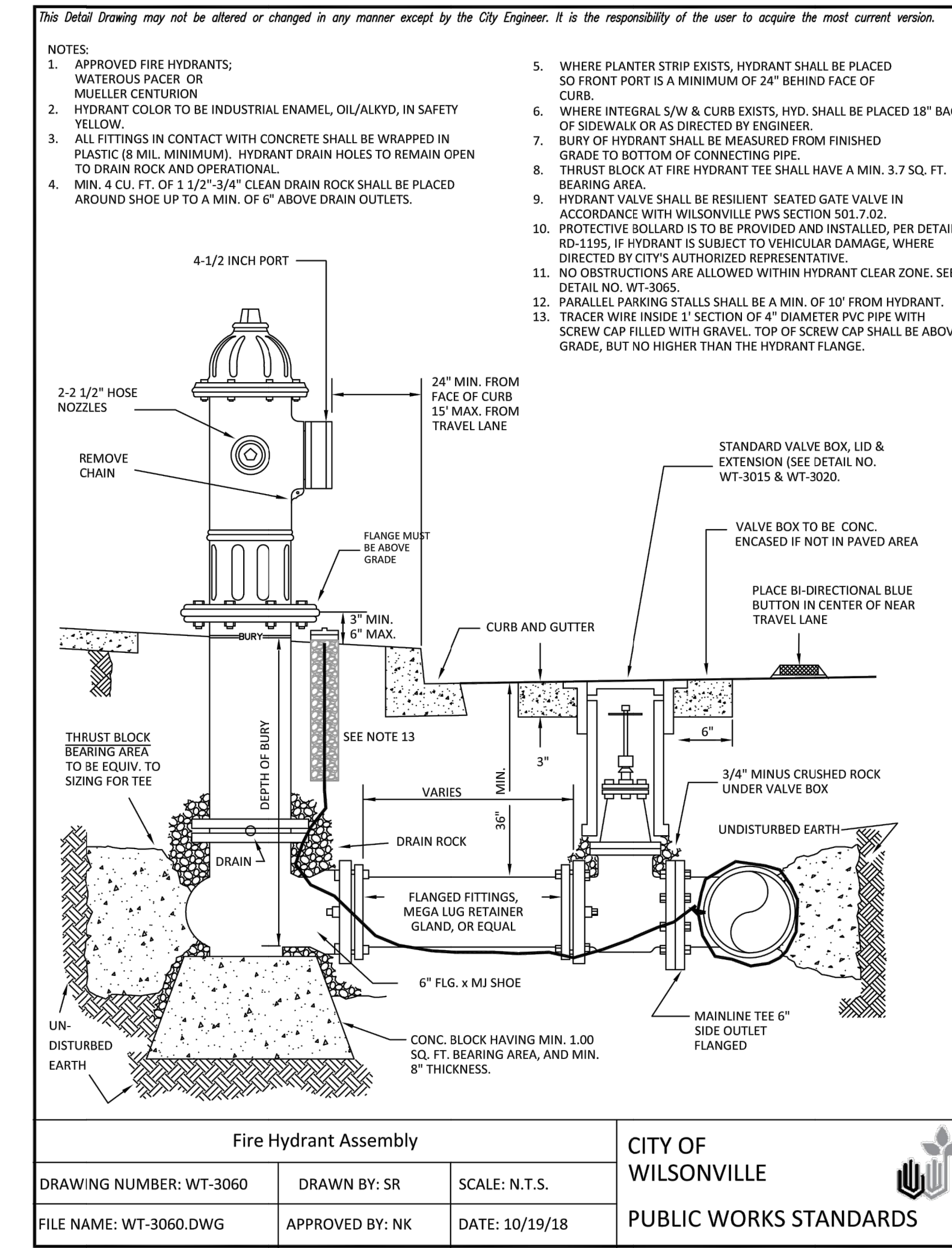
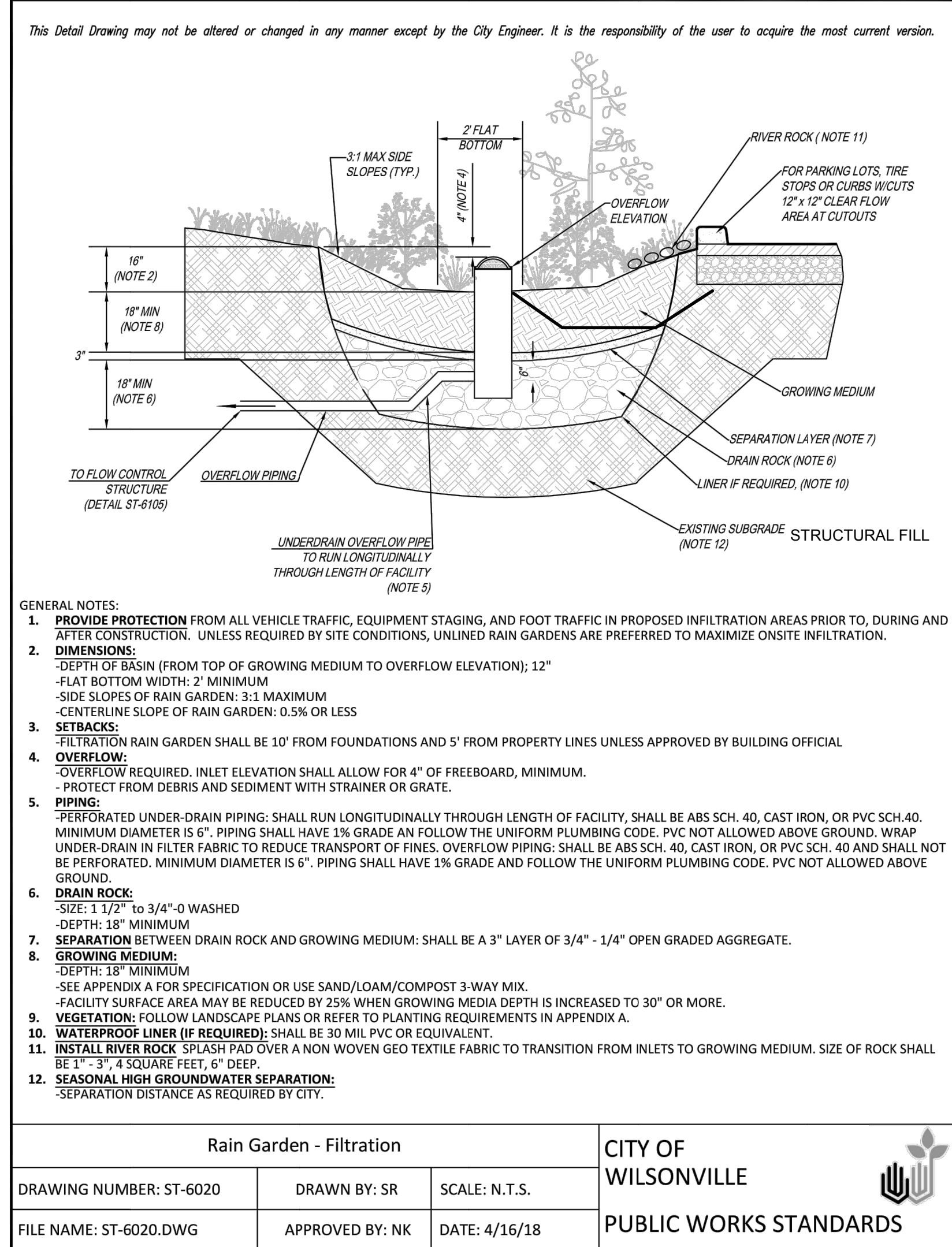
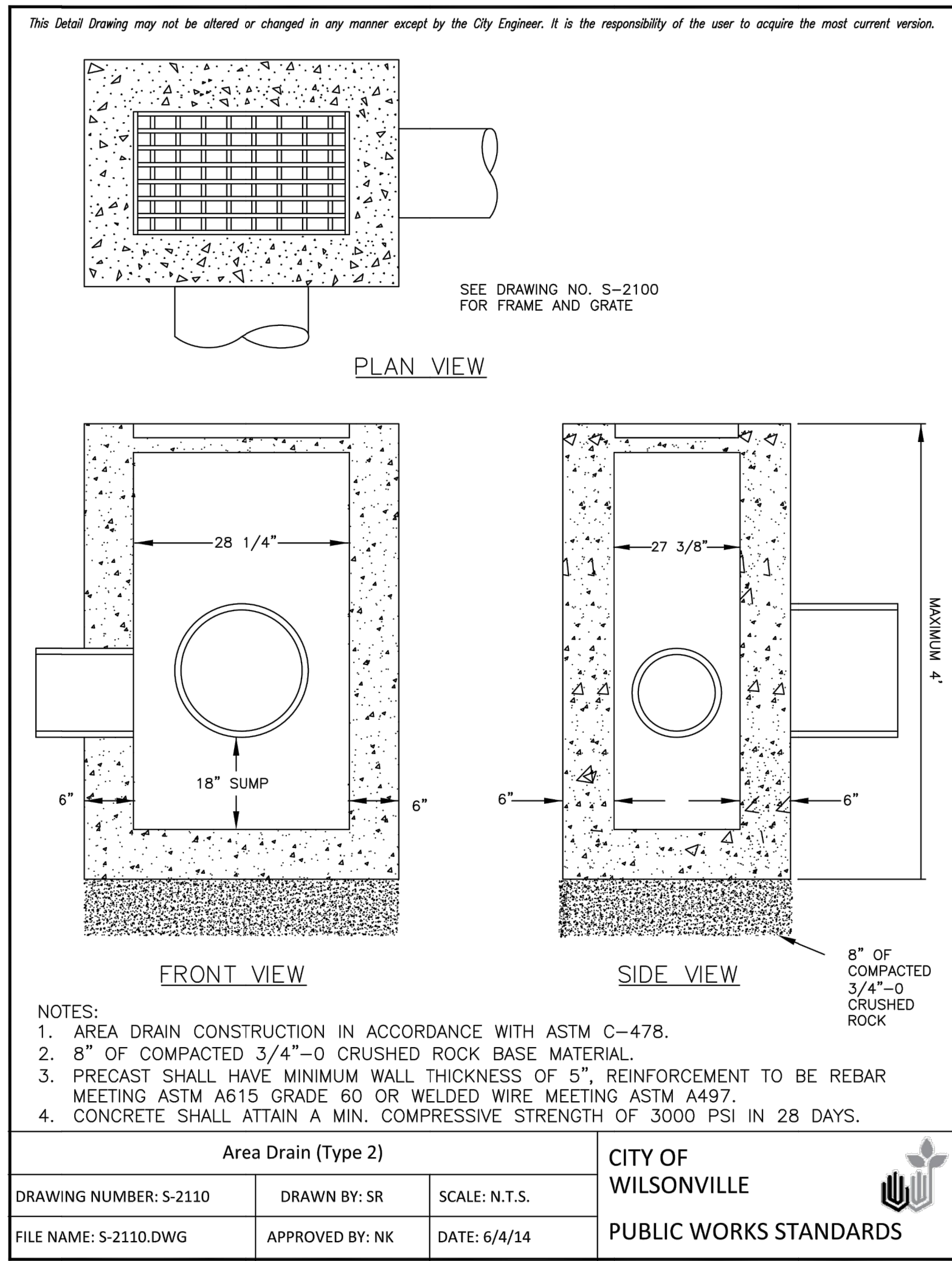


9 VERTICAL CURB AND GUTTER
 N.T.S.



8 SANITARY SEWER MANHOLES
 N.T.S.





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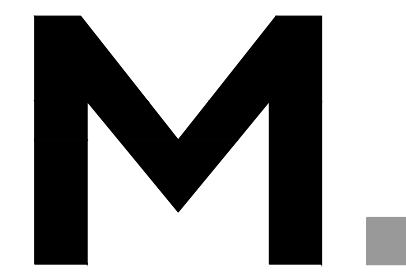
REVISION SCHEDULE		
Delta	Issued As	Issue Date

CIVIL DETAILS

SHEET

C5.13

JOB NO. **2200502.00**



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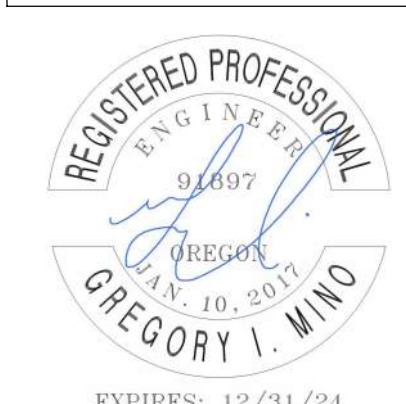
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Client

DELTA LOGISTICS
9835 SW COMMERCE
CIRCLE
WILSONVILLE, OR
97070

Project

DELTA LOGISTICS
SITE EXPANSION
FRONTAGE
IMPROVEMENTS
9710 SW DAY RD.
CITY OF
WILSONVILLE, OR



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REVISION SCHEDULE		
Delta	Issued As	Issue Date

SHEET TITLE:

**NOTES,
LEGEND, AND
ABBREVIATIONS**

DRAWN BY: AOC, BMR

CHECKED BY: BMR, BDN

SHEET

R0.01

JOB NO. **2200502.04**

EXISTING
PROPOSED

LEGEND

CURBLINE AND GUTTER		
BRUSH LINE		
BUILDING EAVE		
BUILDING FOOTPRINT		
CENTERLINE		
EASEMENT LINE		
FENCE LINE		
GAS LINE		
OVERHEAD POWER		
STORM DRAIN LINE		
PERFORATED PIPE		
PROPERTY LINE		
R.O.W. LINE		
WATER LINE		
WETLANDS		
WETLANDS BUFFER		
CULVER INLET/OUTLET		
CURB INLET		
DECORATIVE SHRUB		
DOWNSPOUT		
FIRE HYDRANT		
GAS METER		
GAS RISER		
GATE POST		
GUY ANCHOR		
MAILBOX		
POWER METER		
SIGN "AS NOTED"		
SITE BENCHMARK		
STORM DRAIN MANHOLE		
SURVEY MONUMENTS FOUND		
SURVEY MONUMENTS SET		
UTILITY LID		
WATER METER		
WATER RISER		
WATER VALVE		
WATER VAULT		
WETLANDS BUFFER/ LINE STAKES		
POWER POLE		
SIDEWALK		
CONFEROUS TREE		
DECIDUOUS TREE		

ABBREVIATIONS

TC	TOP OF CURB	WM	WATER METER
AC	ASPHALT	OH	OVERHEAD WIRE
FH	FIRE HYDRANT	SSWR	SANITARY SEWER
FG	FINISHED GRADE	MH	MANHOLE
SW	SIDEWALK ELEVATION	IE	INVERT ELEVATION
TS	TOP OF STAIR	CB	CATCH BASIN
BS	BOTTOM OF STAIR	STM	STORM
TYP	TYPICAL	RD	ROOF DRAIN
R.O.W.	RIGHT OF WAY	FF/FFE	FINISHED FLOOR ELEVATION
LS	LANDSCAPE	NG	NATURAL GROUND
SROZ	SIGNIFICANT RESOURCE OVERLAY ZONE	CL	CENTERLINE
CO	CLEAN OUT	GPM	GALLONS PER MINUTE
INV	INVERT	FW	FIRE WATER
RD	ROOF DRAIN	PWS	PUBLIC WORKS STANDARDS
COW	CITY OF WILSONVILLE	PUE	PUBLIC UTILITY EASEMENT
		ELEV	ELEVATION

GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE STANDARD SPECIFICATIONS AND THE REQUIREMENTS OF CITY OF WILSONVILLE, CITY OF WILSONVILLE PUBLIC WORKS STANDARDS-2017 AND THE CURRENT AMERICAN PUBLIC WORKS ASSOCIATION STANDARDS FOR PUBLIC WORKS CONSTRUCTION.
- THE WORKING DRAWINGS ARE GENERALLY DIAGRAMMATIC. THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW REQUIRED FOR INSTALLATION IN THE SPACE PROVIDED. THEY DO NOT SHOW EVERY DIMENSION, COMPONENT PIECE, SECTION, JOINT OR FITTING REQUIRED TO COMPLETE THE PROJECT. ALL LOCATIONS FOR WORK SHALL BE CHECKED AND COORDINATED WITH EXISTING CONDITIONS IN THE FIELD BEFORE BEGINNING CONSTRUCTION. EXISTING UNDERGROUND UTILITIES LAYING WITHIN THE LIMITS OF EXCAVATION SHALL BE VERIFIED AS TO CONDITION, SIZE AND LOCATION BY UNCOVERING, PROVIDING SUCH IS PERMITTED BY LOCAL PUBLIC AUTHORITIES WITH JURISDICTION, BEFORE BEGINNING CONSTRUCTION. CONTRACTOR TO NOTIFY ENGINEER IF THERE ARE ANY DISCREPANCIES.
- EFFECTIVE EROSION CONTROL IS REQUIRED. EROSION CONTROL DEVICES MUST BE INSTALLED AND MAINTAINED TO MEET THE CITY REQUIREMENTS. THE GOVERNING JURISDICTION MAY, AT ANY TIME, ORDER CORRECTIVE ACTION AND STOPPAGE OF WORK TO ACCOMPLISH EFFECTIVE EROSION CONTROL.
- EFFECTIVE DRAINAGE CONTROL IS REQUIRED. DRAINAGE SHALL BE CONTROLLED WITHIN THE WORK SITE AND SHALL BE ROUTED SO THAT ADJACENT PRIVATE PROPERTY, PUBLIC PROPERTY, AND THE RECEIVING SYSTEM ARE NOT ADVERSELY IMPACTED. THE GOVERNING JURISDICTION MAY, AT ANY TIME, ORDER CORRECTIVE ACTION AND STOPPAGE OF WORK TO ACCOMPLISH EFFECTIVE DRAINAGE CONTROL.
- CONTRACTOR SHALL ADJUST ALL STRUCTURES IMPACTED BY CONSTRUCTION IMPROVEMENTS TO NEW FINISH GRADES.
- EXCAVATION: EXCAVATE FOR SLABS, PAVING, AND OTHER IMPROVEMENTS TO SIZES AND LEVELS SHOWN OR REQUIRED. ALLOW FOR FORM CLEARANCE AND FOR PROPER COMPACTION OF REQUIRED BACKFILLING MATERIAL. EXCAVATOR(S) SHALL NOTIFY ALL UTILITY COMPANIES FOR LINE LOCATIONS SEVENTY-TWO (72) HOURS (MINIMUM) PRIOR TO START OF WORK. DAMAGE TO UTILITIES SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
- WHERE CONNECTING TO AN EXISTING PIPE, AND PRIOR TO ORDERING MATERIALS, THE CONTRACTOR SHALL EXPOSE THE END OF THE EXISTING PIPE VERIFY THE LOCATION, SIZE, AND ELEVATION. NOTIFY ENGINEER OF ANY DISCREPANCIES.

UTILITY NOTES

- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF CITY OF WILSONVILLE, DEPARTMENT OF ENVIRONMENTAL SERVICE, AND THE CURRENT EDITION OF THE UNIFORM PLUMBING CODE AND THE INTERNATIONAL BUILDING CODE. ALL WORK WITHIN THE PUBLIC R.O.W. REQUIRES A PUBLIC WORKS PERMIT.
- THE WORKING DRAWINGS ARE GENERALLY DIAGRAMMATIC. THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW REQUIRED FOR INSTALLATION IN THE SPACE PROVIDED. THEY DO NOT SHOW EVERY DIMENSION, COMPONENT PIECE, SECTION, JOINT OR FITTING REQUIRED TO COMPLETE THE PROJECT. ALL LOCATIONS FOR WORK SHALL BE CHECKED AND COORDINATED WITH EXISTING CONDITIONS IN THE FIELD BEFORE BEGINNING CONSTRUCTION. EXISTING UNDERGROUND UTILITIES LAYING WITHIN THE LIMITS OF EXCAVATION SHALL BE VERIFIED AS TO CONDITION, SIZE AND LOCATION BY UNCOVERING, PROVIDING SUCH IS PERMITTED BY LOCAL PUBLIC AUTHORITIES WITH JURISDICTION, BEFORE BEGINNING CONSTRUCTION. CONTRACTOR TO NOTIFY ENGINEER IF THERE ARE ANY DISCREPANCIES.
- PROVIDE CLEANOUTS AS REQUIRED IN THE CURRENT EDITION OF THE UNIFORM PLUMBING CODE.
- ALL STORM PIPING IS SIZED FOR A MANNING'S "N" VALUE = 0.013 ALL STORM PIPING IS DESIGNED USING CONCENTRIC PIPE TO PIPE AND WYE FITTINGS, UNLESS OTHERWISE NOTED.
- VERIFY LOCATION, SIZE AND DEPTH OF EXISTING UTILITIES BY POTHOLING PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF DISCREPANCIES.
- THE SURVEY INFORMATION SHOWN AS A BACKGROUND SCREEN ON THIS SHEET IS BASED ON A SURVEY PREPARED BY WEDDLE SURVEYING, INC.
- CONTRACTOR TO PROVIDE POWER TO IRRIGATION CONTROLLER VIA DESIGN BUILD ELECTRICAL. SEE SPECIFICATIONS AND LANDSCAPE PLANS.
- SEE BUILDING PLUMBING DRAWINGS FOR PIPING WITHIN THE BUILDING AND UP TO 5' OUTSIDE THE BUILDING, INCLUDING ANY FOUNDATION DRAINAGE PIPING.
- CONTRACTOR TO MAINTAIN MINIMUM 3 FT OF COVER OVER ALL WATER LINE.

GRADING NOTES

- ROUGH GRADING:** BRING ALL FINISH GRADES TO APPROXIMATE LEVELS INDICATED. WHERE GRADES ARE NOT OTHERWISE INDICATED, FINISH GRADES ARE TO BE THE SAME AS ADJACENT SIDEWALKS, CURBS, OR THE OBVIOUS GRADE OF ADJACENT STRUCTURE. GRADE TO UNIFORM LEVELS OR SLOPES BETWEEN POINTS WHERE GRADES ARE GIVEN. ROUND OFF SURFACES, AVOID ABRUPT CHANGES IN LEVELS. ROUGH GRADE TO ALLOW FOR DEPTH OF CONCRETE SLABS, WALKS, AND THEIR BASE COURSES. GRADE FOR PAVED DRIVES AND PAVED PARKING AREAS AS INDICATED AND SPECIFIED HEREIN, AND PROVIDE FOR SURFACE DRAINAGE AS SHOWN, ALLOWING FOR THICKNESS OF SURFACING MATERIAL.
FINISH GRADING: AT COMPLETION OF JOB AND AFTER BACKFILLING BY OTHER CRAFTS HAS BEEN COMPLETED, REFILL AND COMPACT AREAS WHICH HAVE SETTLED OR ERODED TO BRING TO FINAL GRADES.
GRADING TOLERANCES:
ROUGH GRADE AT PAVED OR LANDSCAPED AREAS: ±0.1 FT.
FINISH GRADE PRIOR TO PLACING FINAL SURFACING: ±0.03 FT.
- EFFECTIVE EROSION PREVENTION AND SEDIMENT CONTROL IS REQUIRED. EROSION CONTROL DEVICES MUST BE INSTALLED AND MAINTAINED MEETING THE CITY AND DEQ REQUIREMENTS. THE GOVERNING JURISDICTION MAY, AT ANY TIME, ORDER CORRECTIVE ACTION AND STOPPAGE OF WORK TO ACCOMPLISH EFFECTIVE EROSION CONTROL.
- EFFECTIVE DRAINAGE CONTROL IS REQUIRED. DRAINAGE SHALL BE CONTROLLED WITHIN THE WORK SITE AND SHALL BE SO ROUTED THAT ADJACENT PRIVATE PROPERTY, PUBLIC PROPERTY, AND THE RECEIVING SYSTEM ARE NOT ADVERSELY IMPACTED. THE GOVERNING JURISDICTION MAY, AT ANY TIME, ORDER CORRECTIVE ACTION AND STOPPAGE OF WORK TO ACCOMPLISH EFFECTIVE DRAINAGE CONTROL.
- SITE TOPSOIL SHALL BE STOCKPILED DURING CONSTRUCTION AND USED FOR LANDSCAPING.
- THE SURVEY INFORMATION SHOWN AS A BACKGROUND SCREEN ON THIS SHEET IS BASED ON A SURVEY BY NORTHWEST SURVEYING INC. AND IS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS WITH HIS OWN RESOURCES PRIOR TO START OF ANY CONSTRUCTION.
- CONTRACTOR TO COORDINATE GRADES AT ENTRANCE WITH ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION.
- 2% MAXIMUM CROSS SLOPE AT ALL ADA-COMPLIANT PARKING SPACES AND LOADING ZONES.
- 5% MAX LONGITUDINAL SLOPE (EXCLUDING RAMPS) AT PEDESTRIAN SIDEWALK CONNECTIONS BETWEEN PUBLIC R.O.W. AND BUILDING ENTRANCES.
- WHERE SLOPES ARE STEEPER THAN 3:1, CONTRACTOR SHALL INSTALL JUTE MATTING. SLOPE SHALL BE PREPARED TO ENSURE COMPLETE AND DIRECT CONTACT OF MATTING WITH SOIL. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

REVISION SCHEDULE table with columns: Delta, Issued As, Issue Date

Concrete Street Curb and Gutter drawing with notes, title block, and drawing information.

Commercial Driveway - Type I drawing with notes, title block, and drawing information.

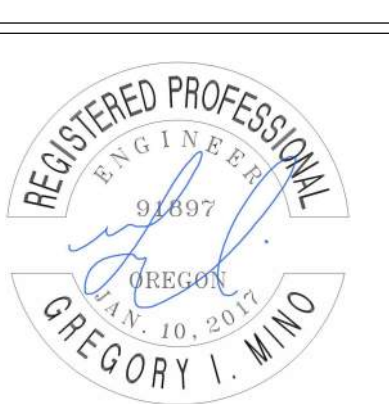
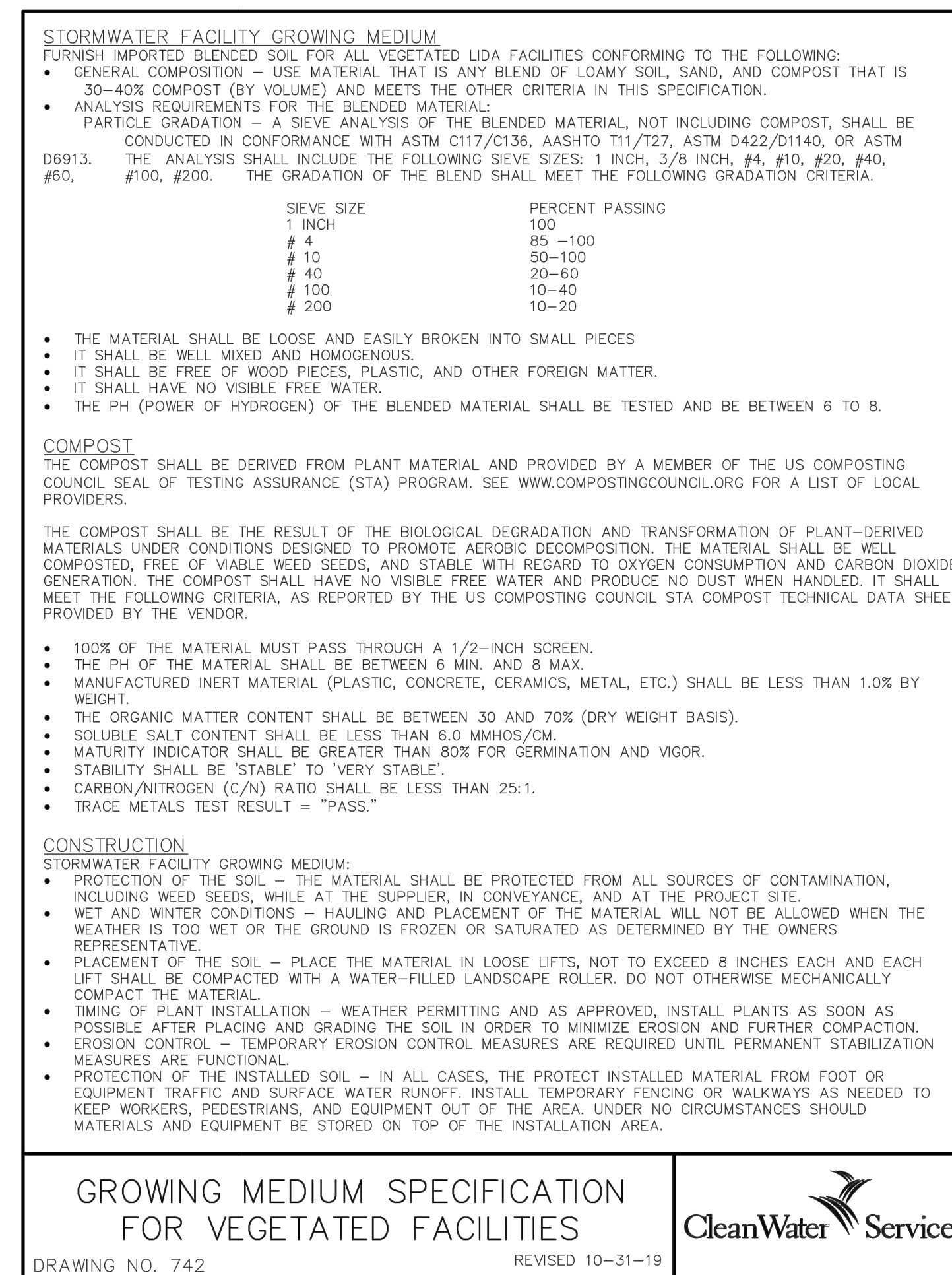
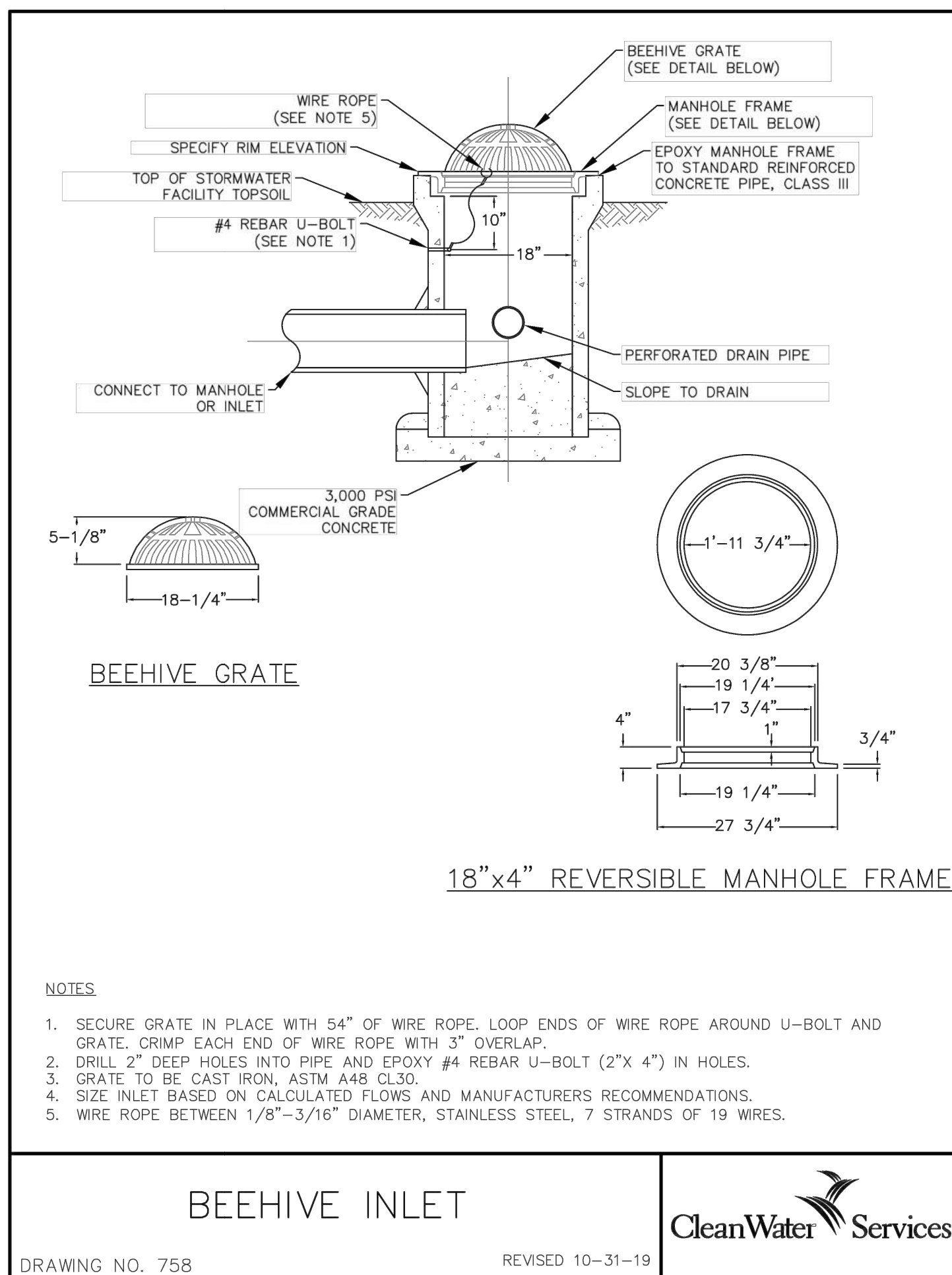
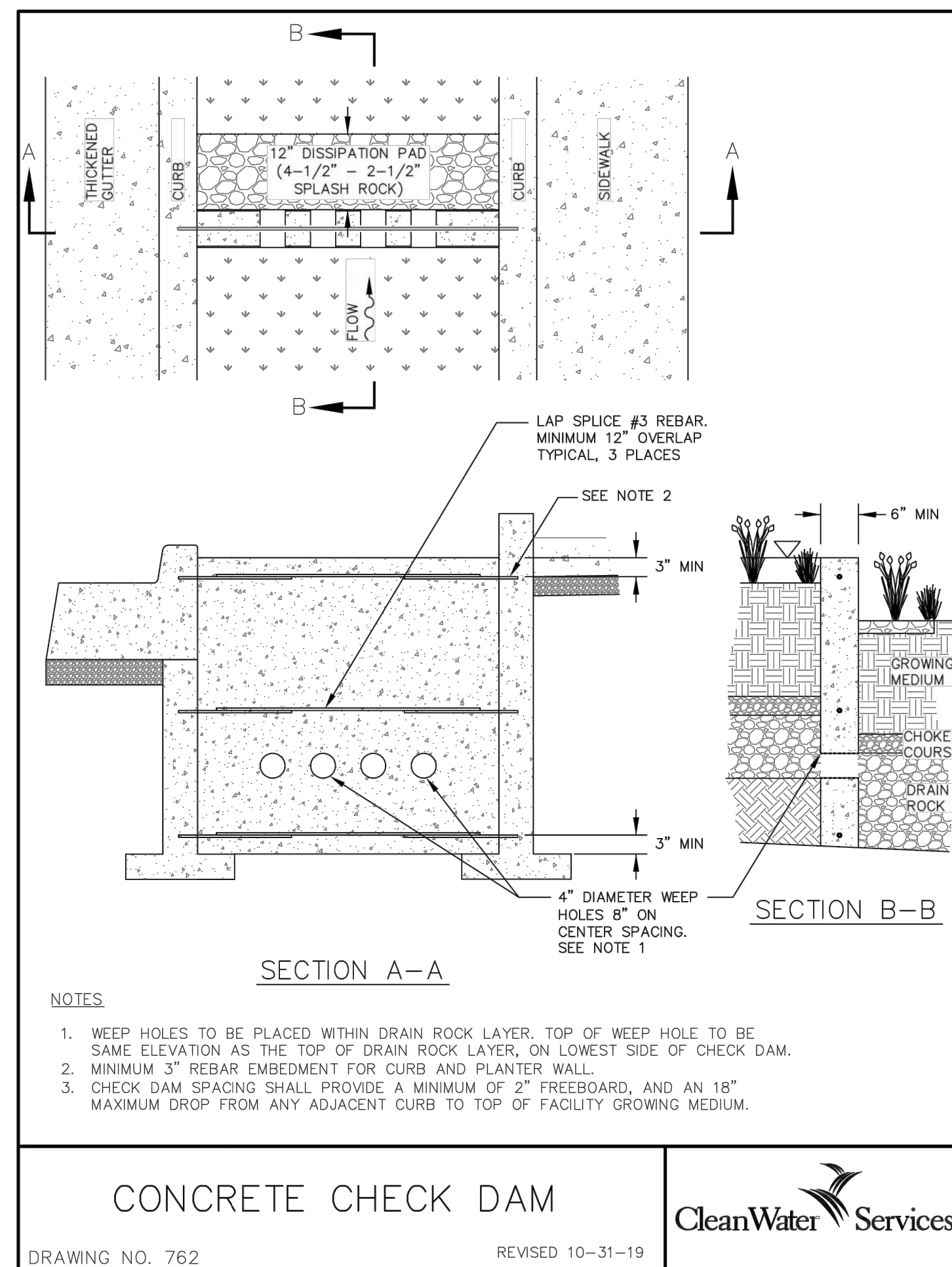
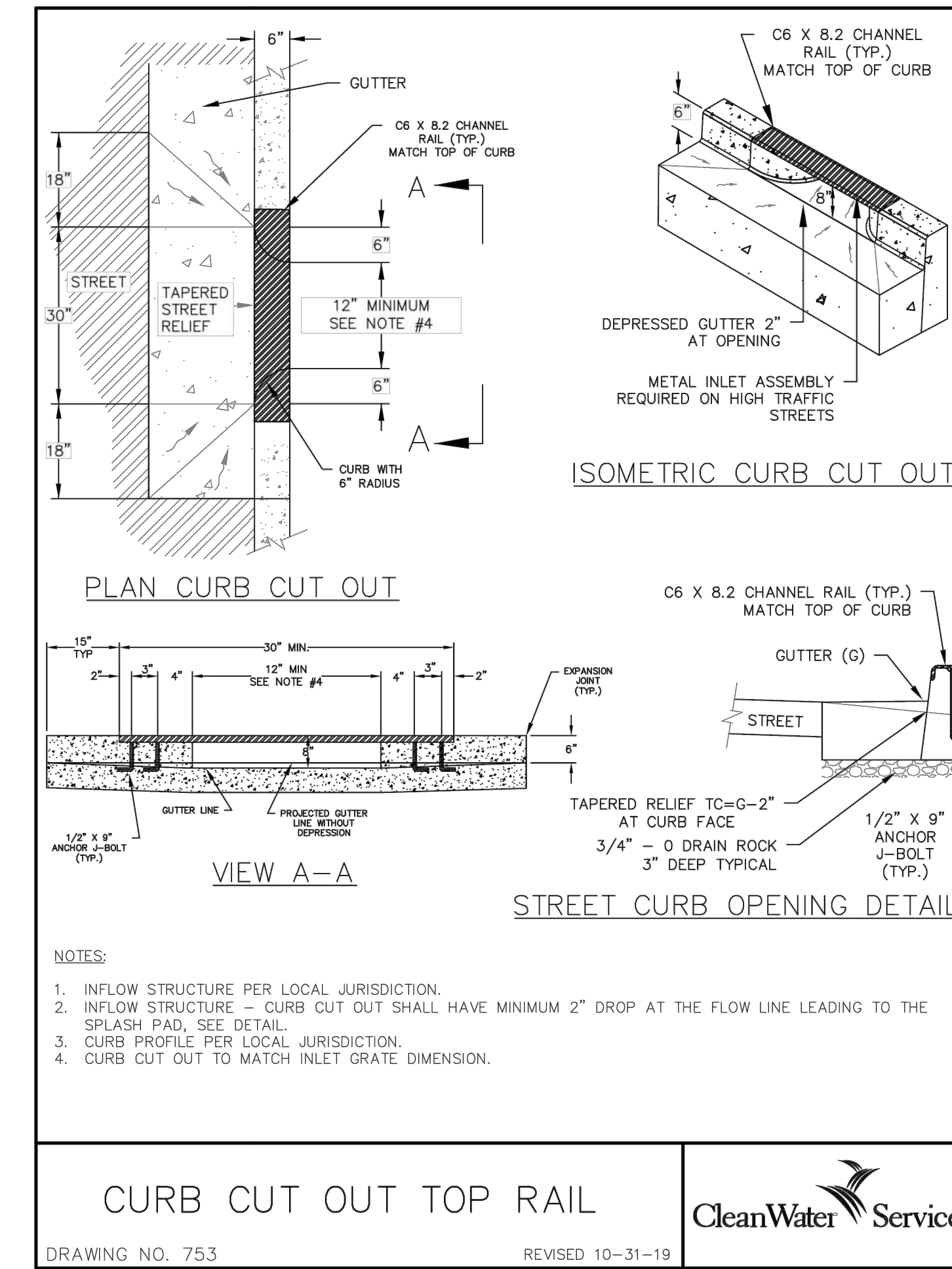
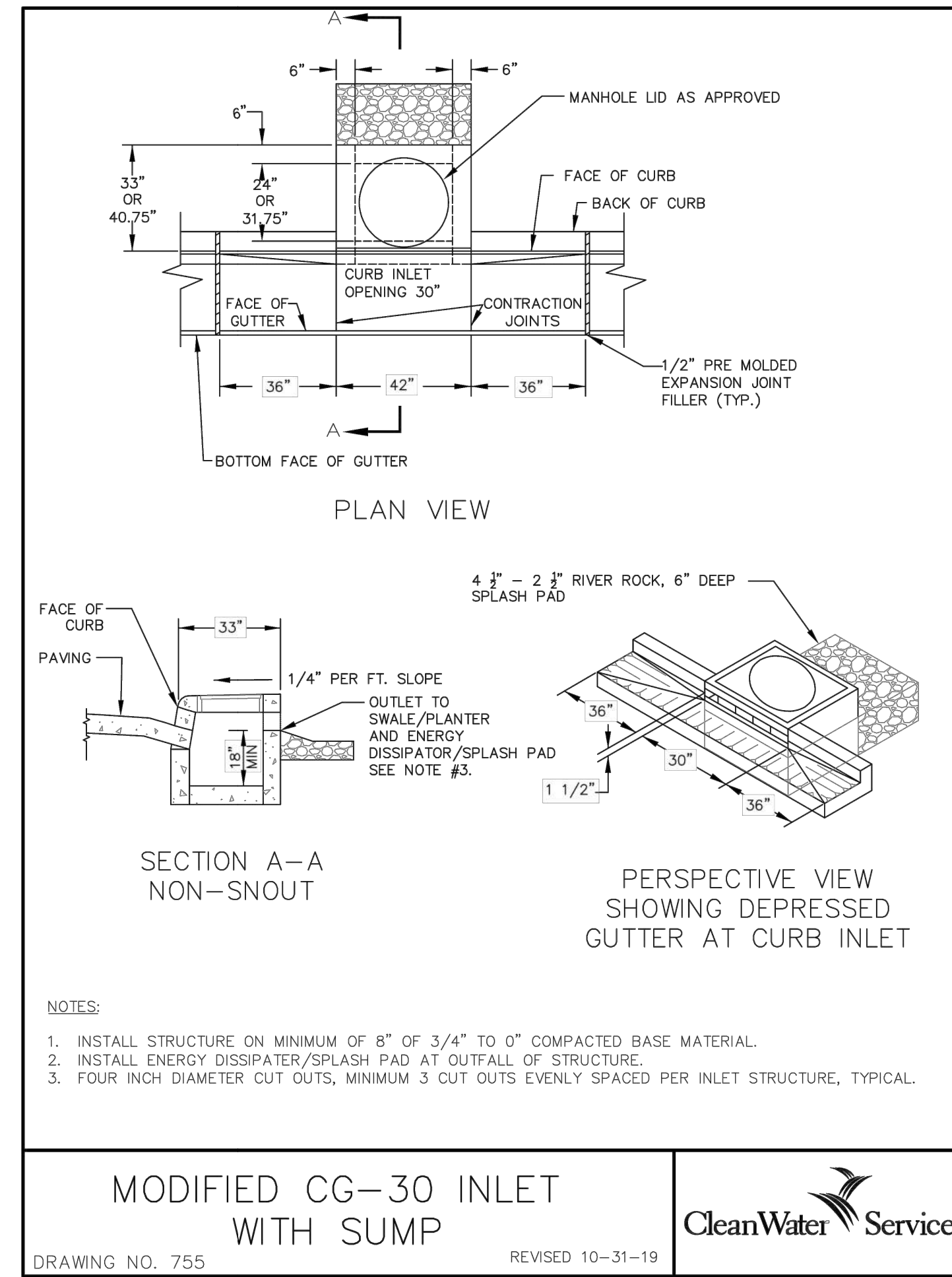
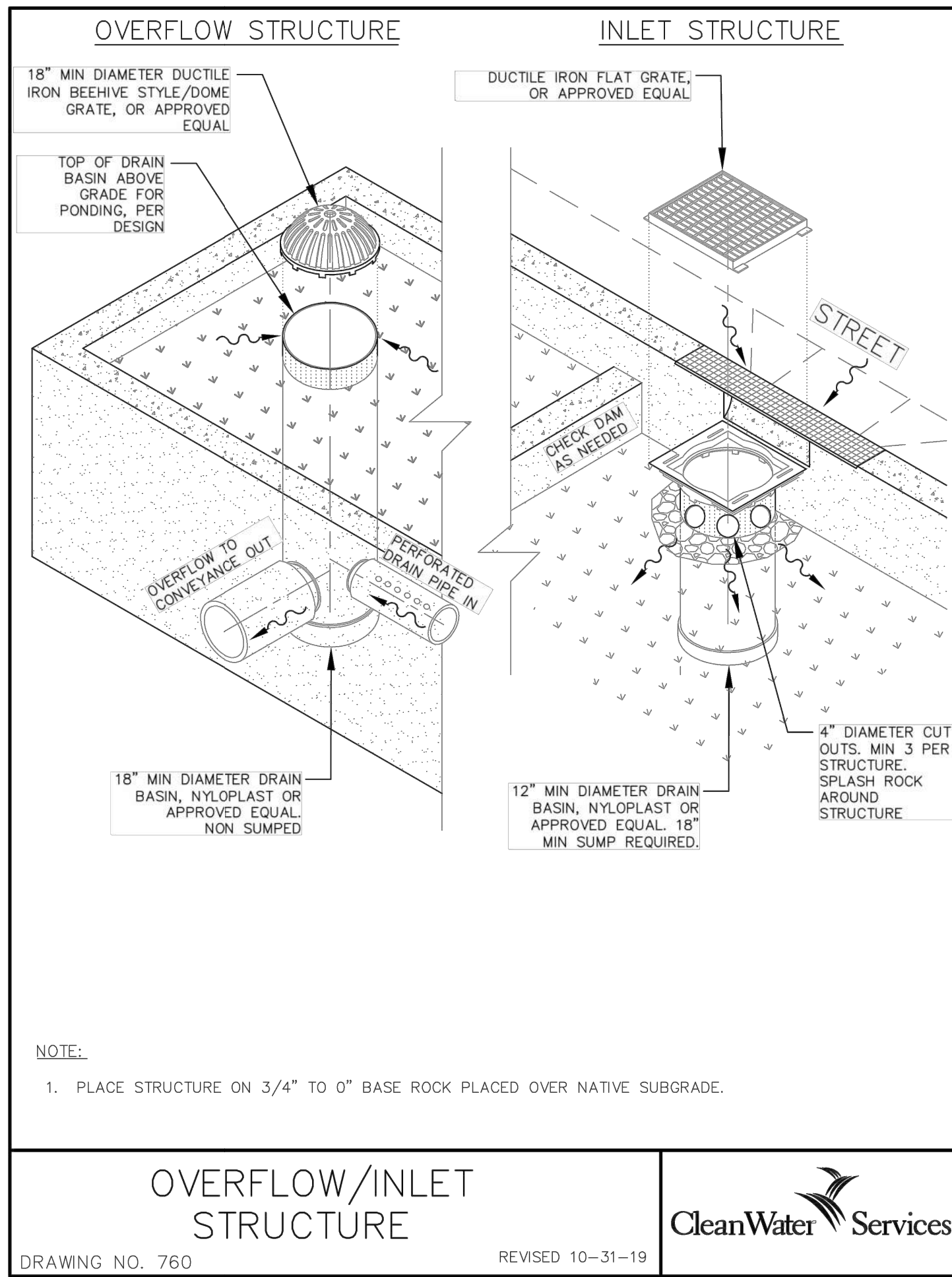
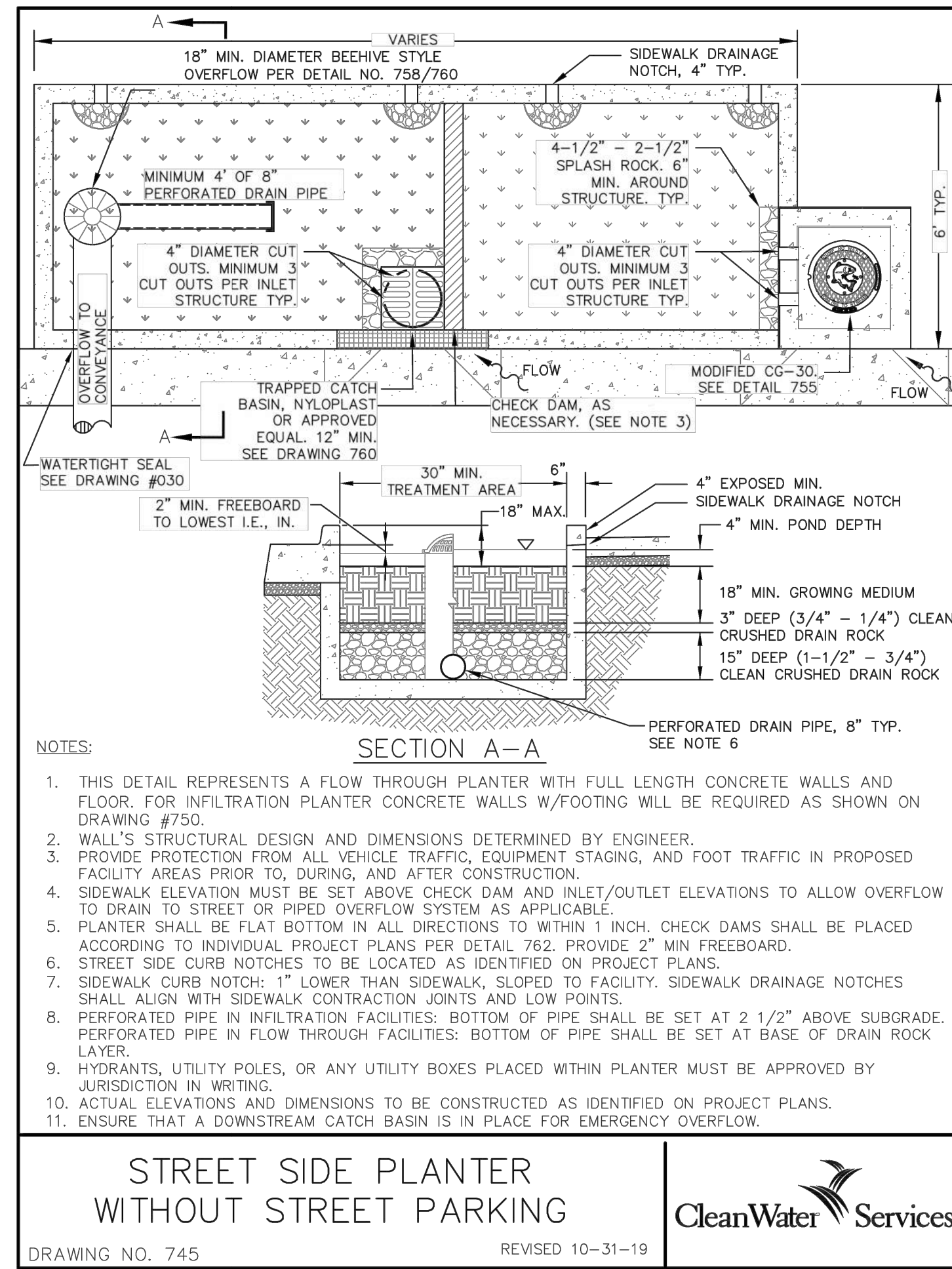
Concrete Sidewalk drawing with notes, title block, and drawing information.

Standard Backfill and Street Repair drawing with notes, title block, and drawing information.

1 1/2" - 2" Single Service drawing with notes, title block, and drawing information.

Public Right-Of-Way Irrigation Details Part 1 drawing with notes, title block, and drawing information.

Fire Hydrant Assembly drawing with notes, title block, and drawing information.



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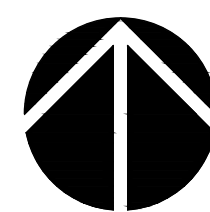
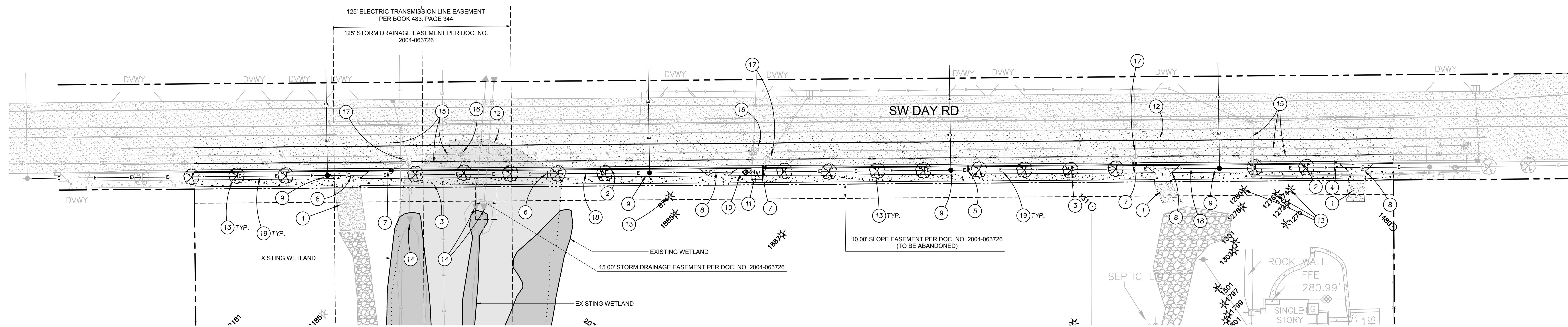
REVISION SCHEDULE		
Delta	Issued As	Issue Date

SHEET TITLE:
DETAILS

DRAWN BY: CME
CHECKED BY: GIM
SHEET

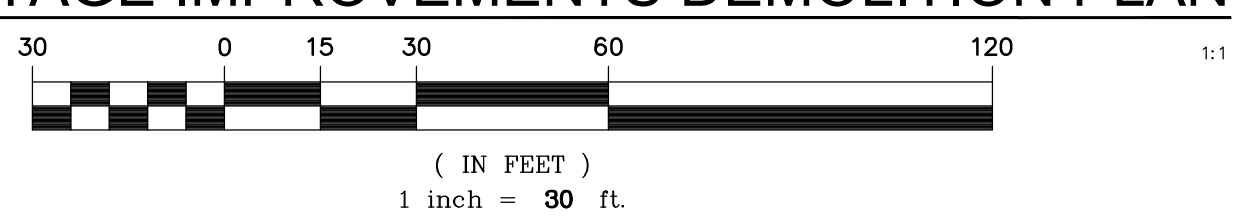
R0.04

JOB NO. 2200502.04



1 FRONTAGE IMPROVEMENTS DEMOLITION PLAN

R1.01



KEY NOTES

1. REMOVE EXISTING ASPHALT PER SECTION 1/R0.02
2. REMOVE EXISTING CURB AND GUTTER
3. REMOVE EXISTING SIDEWALK
4. REMOVE EXISTING MAILBOX
5. RELOCATE EXISTING "TRUCKS ENTERING ROADWAY" SIGN
6. RELOCATE EXISTING "40 SPEED" SIGN
7. REMOVE EXISTING CATCH BASIN
8. REMOVE EXISTING DRIVEWAY
9. RELOCATE EXISTING POWER POLE
10. RELOCATE FIRE HYDRANT
11. REMOVE WATER METER AND SERVICE LATERAL TO MAINLINE
12. GRIND ASPHALT PAVEMENT PER SECTION 1/R0.02
13. REMOVE EXISTING TREE
14. PROTECT EXISTING STORM CULVERTS
15. PROTECT EXISTING UTILITIES AT THE SURFACE WITHIN THE GRINDING AREA
16. PROTECT VALVES AND ADJUST TO GRADE
17. PROTECT EXISTING MANHOLES IN GRINDING AREA, ADJUST TO GRADE
18. RELOCATE EXISTING OVERHEAD POWER LINES
19. REMOVE EXISTING HEDGE



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REVISION SCHEDULE		
Delta	Issued As	Issue Date

SHEET TITLE:
**DEMOLITION
PLAN**

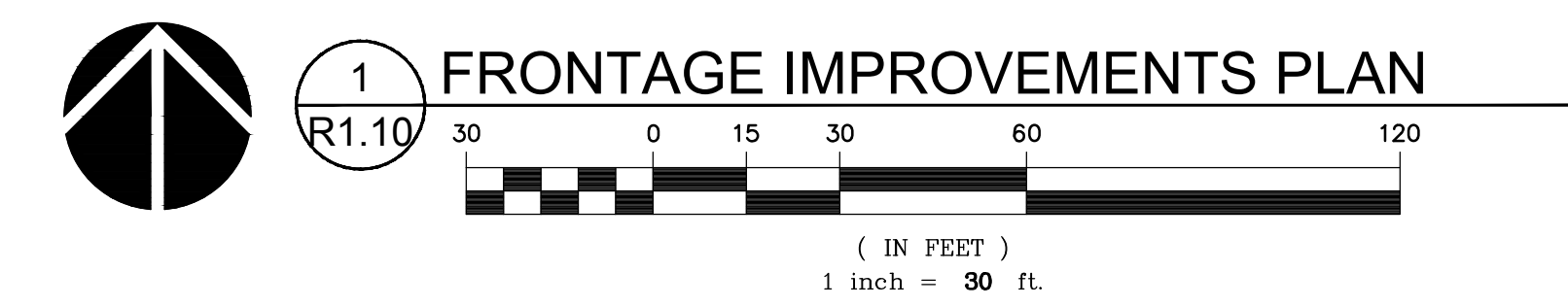
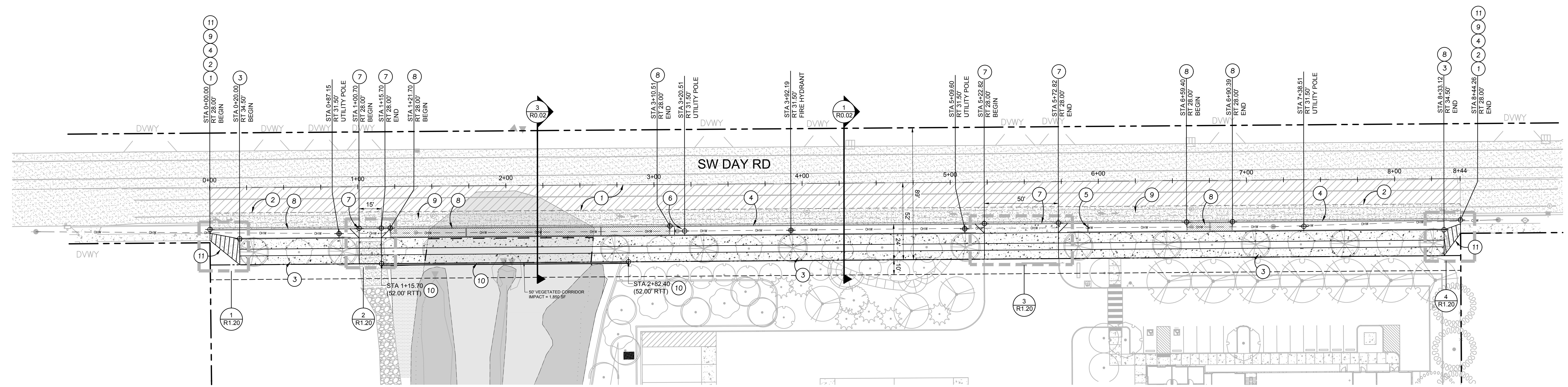
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CHECKED BY: GIM

SHEET

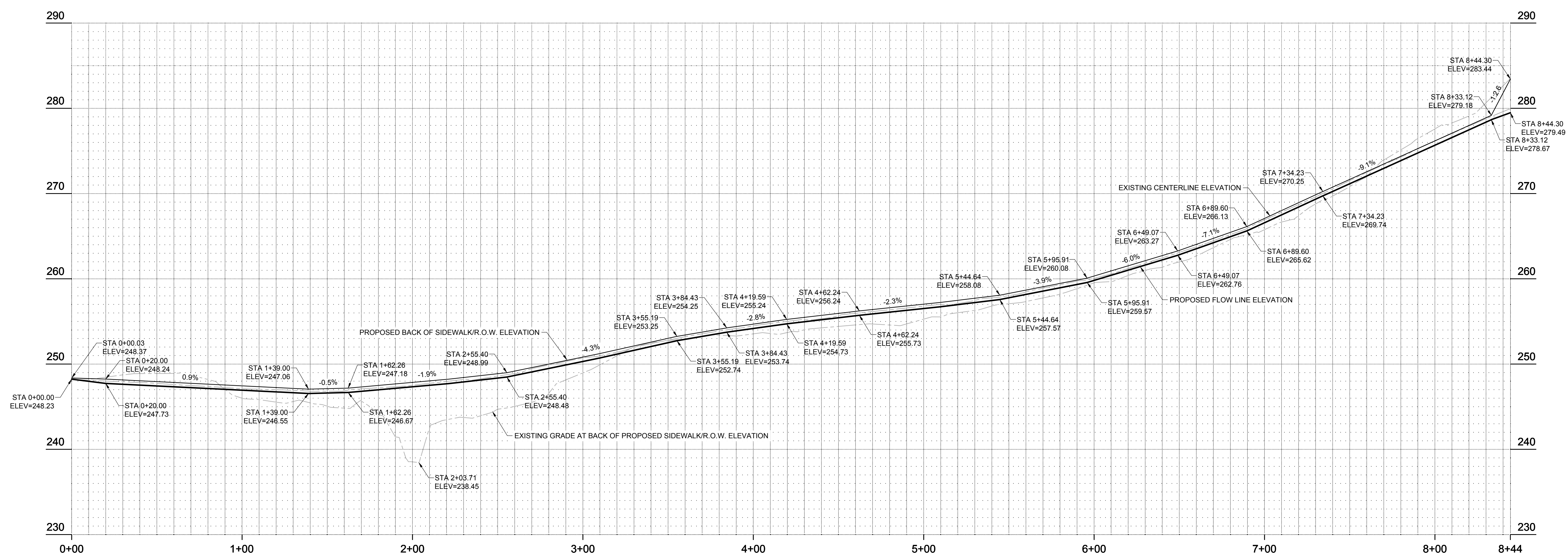
R1.01

JOB NO. **2200502.04**



KEY NOTES

1. ASPHALT OVERLAY
2. SAWCUT EXISTING ASPHALT
3. SIDEWALK PER RD-1075/R0.03
4. VERTICAL CURB AND GUTTER PER RD-1060/R0.03
5. RELOCATED "TRUCKS ENTERING ROADWAY" SIGN
6. RELOCATED EXISTING "40 SPEED" SIGN
7. COMMERCIAL DRIVEWAY PER RD-1095/R0.03
8. STORMWATER PLANTER PER ST-6005/R0.03
9. CONCRETE PAVEMENT
10. RETAINING WALL
11. ASPHALT PAVING WITH CROSSWALK STRIPING FROM PROPOSED SIDEWALK TO EXISTING



2 FRONTAGE IMPROVEMENTS PROFILE
R1.10 HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=5'



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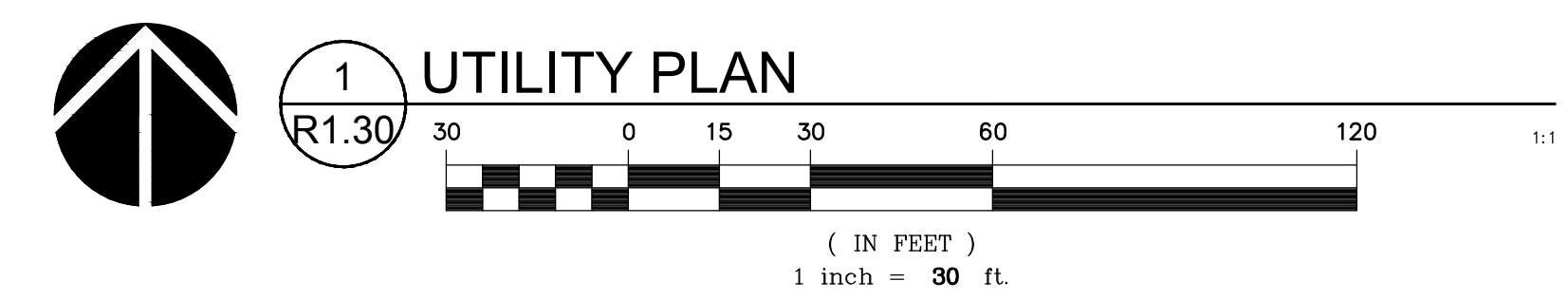
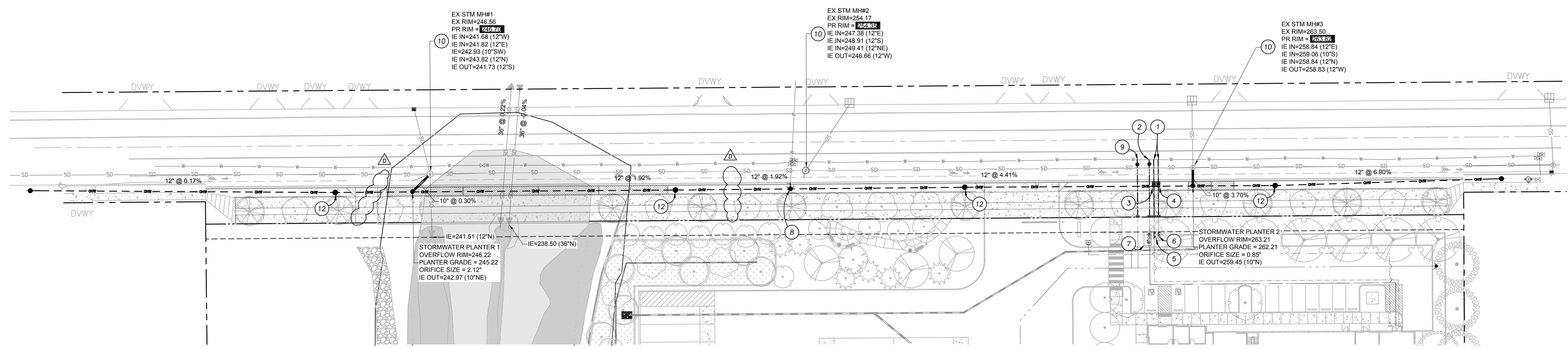
REVISION SCHEDULE		
Delta	Issued As	Issue Date

SHEET TITLE:
**PLAN AND
PROFILE**

DRAWN BY: CME
CHECKED BY: GIM
SHEET

R1.10

JOB NO. **2200502.04**



- KEY NOTES**
1. DOMESTIC/IRRIGATION WATER SERVICE CONNECTION PER DETAIL WT-3045/R0.03
 2. 8" FIRE WATER SERVICE CONNECTION (TO PRIVATE FIRE SPRINKLERS)
 3. 3" DOMESTIC WATER METER WITH 4" SERVICE LINE. SEE DETAIL WT-3045/R0.03
 4. 1.5" IRRIGATION WATER METER WITH 2" SERVICE LINE. SEE DETAIL WT-3045/R0.03
 5. DOMESTIC WATER BACKFLOW ASSEMBLY PER PRIVATE ONSITE PLANS
 6. IRRIGATION BACKFLOW ASSEMBLY PER PRIVATE ONSITE PLANS
 7. FIRE WATER BACKFLOW ASSEMBLY PER PRIVATE ONSITE PLANS
 8. FIRE HYDRANT. SEE DETAIL WT-3050/R0.03
 9. 12" FIRE WATER SERVICE CONNECTION (TO ONSITE PUBLIC HYDRANTS)
 10. EXISTING STORM MANHOLE
 11. NOT USED
 12. RELOCATED UTILITY POLE WITH STREET LIGHT LUMINAIRE



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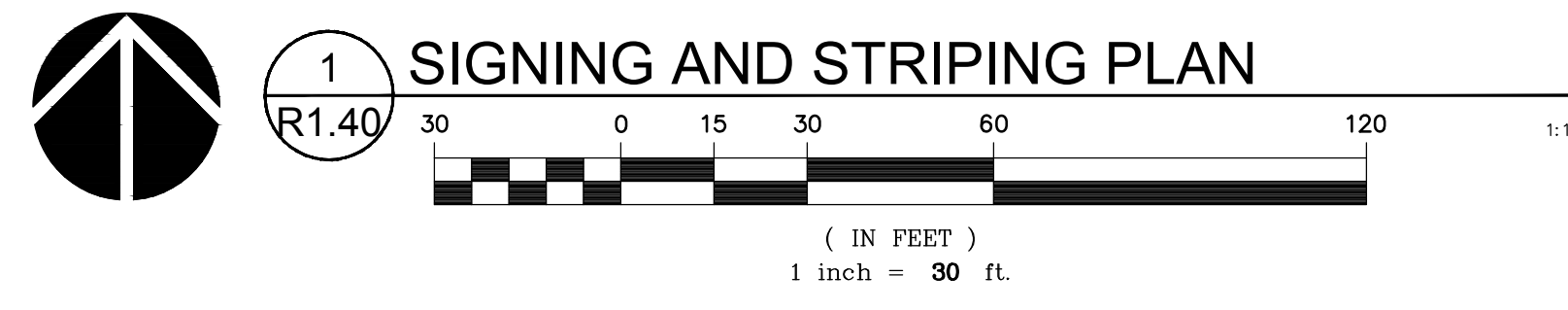
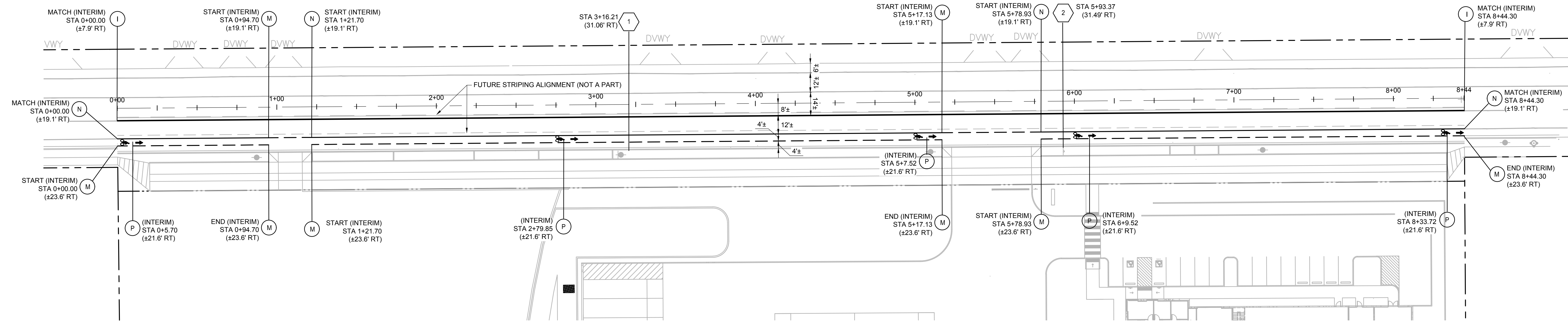
REVISION SCHEDULE		
Delta	Issued As	Issue Date
A	LAND USE	06/08/2022
B	REVISION	07/26/2022
C	REVISION	08/12/2022
D	REVISION	02/28/2023

SHEET TITLE:
UTILITY PLAN

DRAWN BY: CME
 CHECKED BY: GIM
 SHEET

R1.30

JOB NO. **2200502.04**



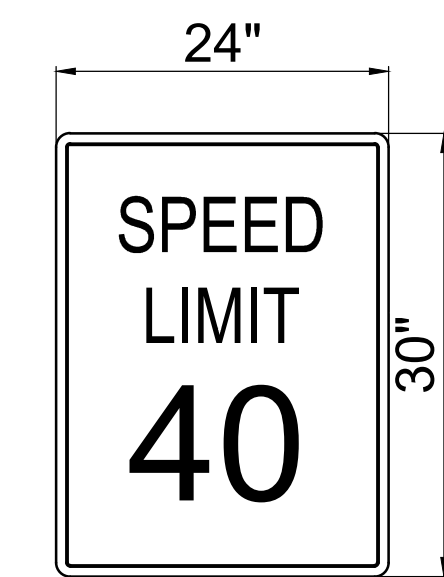
SIGNING NOTES

1. REFER TO THE CITY OF WILSONVILLE DWG. RD-1245/SHEET R1.41
2. POSTS SHALL BE INSTALLED WITH V-LOCK PER CITY OF WILSONVILLE DWG. RD-1250/SHEET R1.41

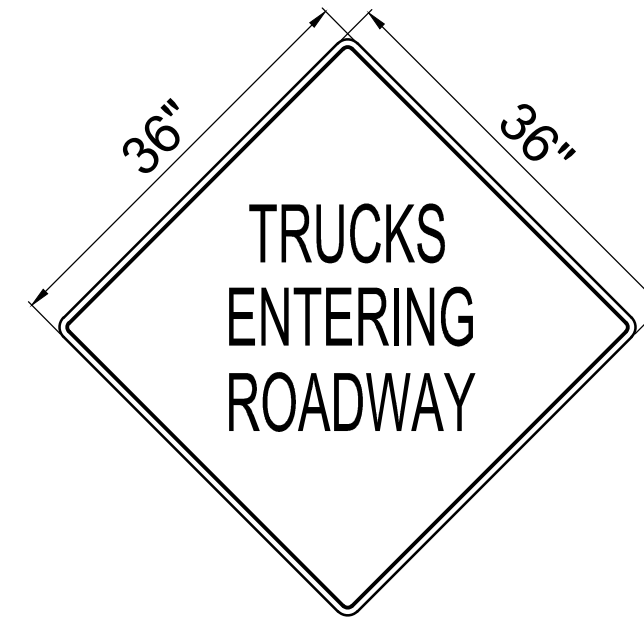
STRIPING NOTES

1. REFER TO THE CITY OF WILSONVILLE PAVEMENT MARKING NOTES ON CITY OF WILSONVILLE STD. DWG. RD-1280/SHEET R1.41
2. DO NOT PAINT CURBS MAINTAINED BY THE CITY OF WILSONVILLE. CONTRACTOR WILL BE RESPONSIBLE FOR THE REMOVAL OF ANY PAINT ON CITY CURBS.

SIGN & SUPPORT DATA TABLE															
SIGN NO. (N)	QTY. USED	SIGN DIMENSION		SIGN CODE		TYPE OF SUPPORT						SIGN LEGEND / OTHER REMARKS			
		WIDTH (IN)	HEIGHT (IN)	MUTCD	ODOT	SINGLE PIPE POST	EXISTING PIPE POST	UTILITY POLE	LIGHT POLE	SIGNAL POLE	MODIFIED BIKE RACK		CANTILEVER	BREAKAWAY DOME ASSEMBLY	BREAKAWAY ANCHOR ASSEMBLY
1	1	24	30	R2-1 TYPE W1				X							[SPEED LIMIT 40] MOUNTED ON POLE
2	1	36	36												[TRUCKS ENTERING ROADWAY]



1 R2-1 TYPE W1 SIGN



2 "TRUCKS ENTERING ROADWAY" SIGN



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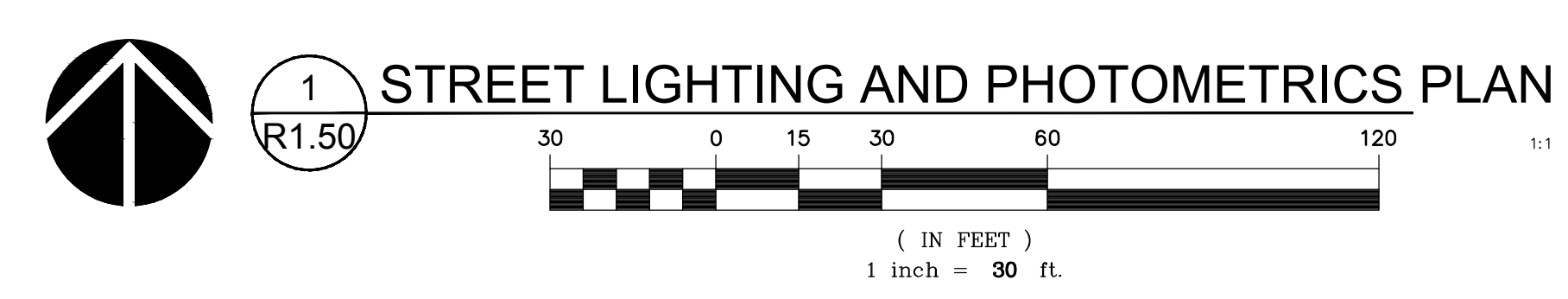
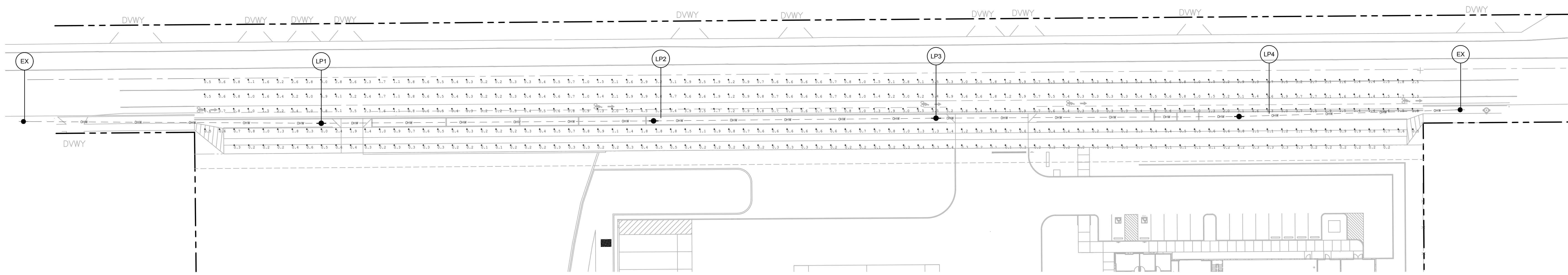
REVISION SCHEDULE		
Delta	Issued As	Issue Date

SHEET TITLE:
STRIPING AND SIGNAGE PLAN

DRAWN BY: CME
CHECKED BY: GIM
SHEET

R1.40

JOB NO. **2200502.04**



LIGHTING NOTES

- ALL MATERIALS AND WORKMANSHIP CONFORM TO CITY OF WILSONVILLE AND PGE OPTION B SPECIFICATIONS. ALL MATERIALS AND INSTALLATIONS SHALL BE APPROVED BY WILSONVILLE AND PGE
- CONTRACTOR SHALL COORDINATE INSTALLATION OF STREET LIGHTS WITH PGE AND CITY FORCES. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
- CONTRACTOR SHALL SUBMIT A LIGHTING SUBMITTAL OF ALL LIGHTING EQUIPMENT TO THE CITY OF WILSONVILLE AND HAVE APPROVED PRIOR TO ORDERING.
- CONTACT PGE AT (503) 323-6700 TO BEGIN A WORK ORDER REQUEST. VERIFY PROPOSED LIGHT POLE LOCATION WITH PGE AND CITY PRIOR TO ORDERING AND INSTALLATION. NOTIFY ENGINEER OF ANY DISCREPANCIES.
- STREET LIGHTING SHALL BE PER PGE OPTION B; PGE MAINTAINS LUMINAIRES AND PROVIDES ELECTRICITY SERVICE TO LUMINAIRES THAT ARE PURCHASED AND OWNED BY THE OWNER AND INSTALLED ON UTILITY POLES.
- CONTRACTOR SHALL VERIFY LUMINAIRE CHARACTERISTICS AND CATALOG NUMBER, INCLUDING BUT NOT LIMITED TO EXTERIOR HOUSING COLOR, WITH PGE AND CITY FORCES PRIOR TO ORDERING.
- WIRES TO BE PROVIDED AND PULLED BY PGE
- CONTRACTOR IS RESPONSIBLE FOR THE CORRECT OPERATION OF THE STREET LIGHT SYSTEM FOR THE FIRST YEAR AFTER BEING ENERGIZED BY PGE. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ANY POLES WHICH GO OUT OF PLUMB WITHIN THE FIRST YEAR. DURING THIS ACCEPTANCE PERIOD ANY REPAIRS OR POLE STRAIGHTENING PERFORMED ON THE INSTALLED SYSTEM BY PGE WILL BE BILLED TO THE DEVELOPER.

STREET LIGHTING EQUIPMENT

- LUMINAIRES SHALL BE:
 LUM 1: LEOTEK GRAY LED:
 GCL-80G-MV-WW-3R-GR-610-PCR7RWGWLFDPCGE

LIGHTING LEGEND

- (EX) EXISTING LIGHTPOLE
- (LP1) INSTALL LUMINAIRE POLE (30' MOUNTING HEIGHT) SEE FOOTING DETAIL RD-1335
- (N) POLE NUMBER (N), SEE POLE INFORMATION TABLE.

ILLUMINATION DATA

	SW DAY RD - COLLECTOR ROAD		
	AVERAGE (fc)	MINIMUM (fc)	AVERAGE/MINIMUM
DESIGNED	1.7	.2	8.7:1
RECOMMENDED MINIMUM VALUE	0.6	-	4.0:1

	SIDEWALK ALONG SW DAY RD - COLLECTOR ROAD		
	AVERAGE (fc)	MINIMUM (fc)	AVERAGE/MINIMUM
DESIGNED	0.3	0.1	2.5:1
RECOMMENDED MINIMUM VALUE	0.6	-	4.0:1

- NOTES:
- A LIGHT LOSS FACTOR OF 0.85 WAS USED FOR ALL LUMINAIRES
 - STREET LIGHTING WAS DESIGNED IN ACCORDANCE WITH THE MOST CURRENT AMERICAN STANDARD PRACTICE FOR ROADWAY LIGHTING (RP-8-14) PER CITY OF WILSONVILLE PUBLIC WORKS STANDARD
 - DESIGN ASSUMES A LOW PEDESTRIANS TRAFFIC AREA AND A R2/R3 PAVEMENT CLASSIFICATION



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REVISION SCHEDULE		
Delta	Issued As	Issue Date

SHEET TITLE:
**STREET
 LIGHTING AND
 PHOTOMETRICS
 PLAN**

DRAWN BY: CME
 CHECKED BY: GIM
 SHEET

R1.50

JOB NO. **2200502.04**

TREE PROTECTION NOTES

SEE G0.01 FOR PROJECT ARBORIST CONTACT INFORMATION.

1. PROTECTION FENCING: ESTABLISH TREE PROTECTION FENCING IN THE LOCATIONS SHOWN. THE INTENT OF THE TREE PROTECTION FENCING IS TO PROTECT THE MINIMUM ROOT PROTECTION ZONES DETAILED IN FIGURE 1. NOTE THAT THE TREE PROTECTION FENCING MAY BE MOVED TO ALLOW CONSTRUCTION ACCESS TO THE SIDE OF THE PROPOSED BUILDING FOLLOWING APPROVAL BY THE PROJECT ARBORIST.
2. DIRECTIONAL FELLING - FELL THE TREES TO BE REMOVED AWAY FROM THE TREES TO BE RETAINED SO THEY DO NOT CONTACT OR OTHERWISE DAMAGE THE TRUNKS OR BRANCHES OF THE RETAINED TREES. NO VEHICLES OR HEAVY EQUIPMENT SHOULD BE PERMITTED WITHIN THE TREE PROTECTION ZONES DURING TREE REMOVAL OPERATIONS.
3. STUMP REMOVAL - THE STUMPS OF THE TREES TO BE REMOVED FROM WITHIN THE TREE PROTECTION ZONES SHALL BE RETAINED OR CAREFULLY STUMP GROUND SO AS NOT TO DISTURB THE ROOT SYSTEMS OF THE RETAINED TREES.
4. PERIODIC RISK ASSESSMENTS: CONDUCT RISK ASSESSMENTS PERIODICALLY THROUGHOUT CONSTRUCTION TO DOCUMENT WHETHER TREES ARE ADAPTING TO THE NEW SITE CONDITIONS AND RISKS ARE MITIGATED APPROPRIATELY WITH CITY APPROVAL. THE RETAINED TREES WERE PREVIOUSLY PROTECTED WITHIN A STAND OF SURROUNDING TREES. THE REMOVAL OF ADJACENT TREES WILL EXPOSE THE RETAINED TREES TO CHANGES IN WIND FORCES WHICH WILL INCREASE THEIR RISK OF WINDTHROW. THE PROJECT ARBORIST SHALL CONDUCT A TREE RISK ASSESSMENT IMMEDIATELY FOLLOWING SITE CLEARING TO IDENTIFY TREES THAT POSE SIGNIFICANT RISKS. FOR TREES THAT POSE SIGNIFICANT RISKS, CONSULT PROJECT ARBORIST FOR RETENTION STRATEGIES, SUCH AS PRUNING OR SNAG CREATION. ANY RECOMMENDED TREE REMOVAL OR SNAG CREATION REQUIRES REVIEW AND APPROVAL OF THE CITY OF WILSONVILLE.
5. CONSTRUCTION ACCESS: WHEN ACCESSING THE SIDES OF THE BUILDING IN THE MODIFIED TREE PROTECTION ZONE, SOIL COMPACTION PREVENTION SUCH AS THE PLACEMENT OF STEEL PLATES IS REQUIRED TO PROTECT THE ROOT ZONES OF THE ADJACENT TREES.
6. ONSITE SUPERVISION OF PROJECT ARBORIST: THE PROJECT ARBORIST SHALL BE ONSITE TO OVERSEE THE RETAINING WALL EXCAVATION AND FOUNDATION CONSTRUCTION WITHIN AND ADJACENT TO THE TREE PROTECTION ZONES OF TREES PERIMETER TREES.

7. PROTECT CROWNS OF TREES: THE CROWNS OF THE TREES MAY EXTEND BEYOND THE TREE PROTECTION FENCING. CARE WILL NEED TO BE TAKEN TO NOT CONTACT OR OTHERWISE DAMAGE THE CROWNS OF THE TREES DURING CONSTRUCTION ACTIVITIES. ANY REQUIRED PRUNING SHALL BE COMPLETED BY AN ISA CERTIFIED ARBORIST CONSISTENT WITH ANSI A300 PRUNING STANDARDS AS DIRECTED BY THE PROJECT ARBORIST.
 8. SEDIMENT FENCING: SEDIMENT FENCING SHALL BE INSTALLED OUTSIDE THE PROTECTION ZONES OF THE TREES TO BE RETAINED TO MINIMIZE ROOT DISTURBANCES. IF EROSION CONTROL IS REQUIRED INSIDE THE ROOT ZONES, STRAW WATTLES SHALL BE USED ON THE SOIL SURFACE.
- BEFORE CONSTRUCTION BEGINS**
1. NOTIFY ALL CONTRACTORS OF TREE PROTECTION PROCEDURES. FOR SUCCESSFUL TREE PROTECTION ON A CONSTRUCTION SITE, ALL CONTRACTORS MUST KNOW AND UNDERSTAND THE GOALS OF TREE PROTECTION.
 - a. HOLD A TREE PROTECTION MEETING WITH ALL CONTRACTORS TO EXPLAIN THE GOALS OF TREE PROTECTION.
 - b. HAVE ALL CONTRACTORS SIGN MEMORANDA OF UNDERSTANDING REGARDING THE GOALS OF TREE PROTECTION. THE MEMORANDA SHOULD INCLUDE A PENALTY FOR VIOLATING THE TREE PROTECTION PLAN. THE PENALTY SHOULD EQUAL THE RESULTING FINES ISSUED BY THE LOCAL JURISDICTION PLUS THE APPRAISED VALUE OF THE TREE(S) WITHIN THE VIOLATED TREE PROTECTION ZONE PER THE CURRENT TRUNK FORMULA METHOD AS OUTLINED IN THE CURRENT EDITION OF THE 'GUIDE FOR PLANT APPRAISAL' BY THE COUNCIL OF TREE AND LANDSCAPE APPRAISERS. THE PENALTY SHOULD BE PAID TO THE OWNER OF THE PROPERTY.
 2. FENCING
 - a. TREE PROTECTION FENCING MAY BE SET AS SHOWN ON THE TREE PLAN.
 - b. THE FENCING SHOULD BE PUT IN PLACE BEFORE THE GROUND IS CLEARED TO PROTECT THE TREES AND THE SOIL AROUND THE TREE FROM DISTURBANCES.
 - c. FENCING SHOULD CONSIST OF 4-FOOT HIGH STEEL FENCING ON CONCRETE BLOCKS OR OTHER ANCHORING DEVICES, OR 4-FOOT METAL FENCING SECURED TO THE GROUND WITH 6-FOOT METAL POSTS TO PREVENT IT FROM BEING MOVED BY CONTRACTORS, SAGGING, OR FALLING DOWN.

TREE PROTECTION ZONE

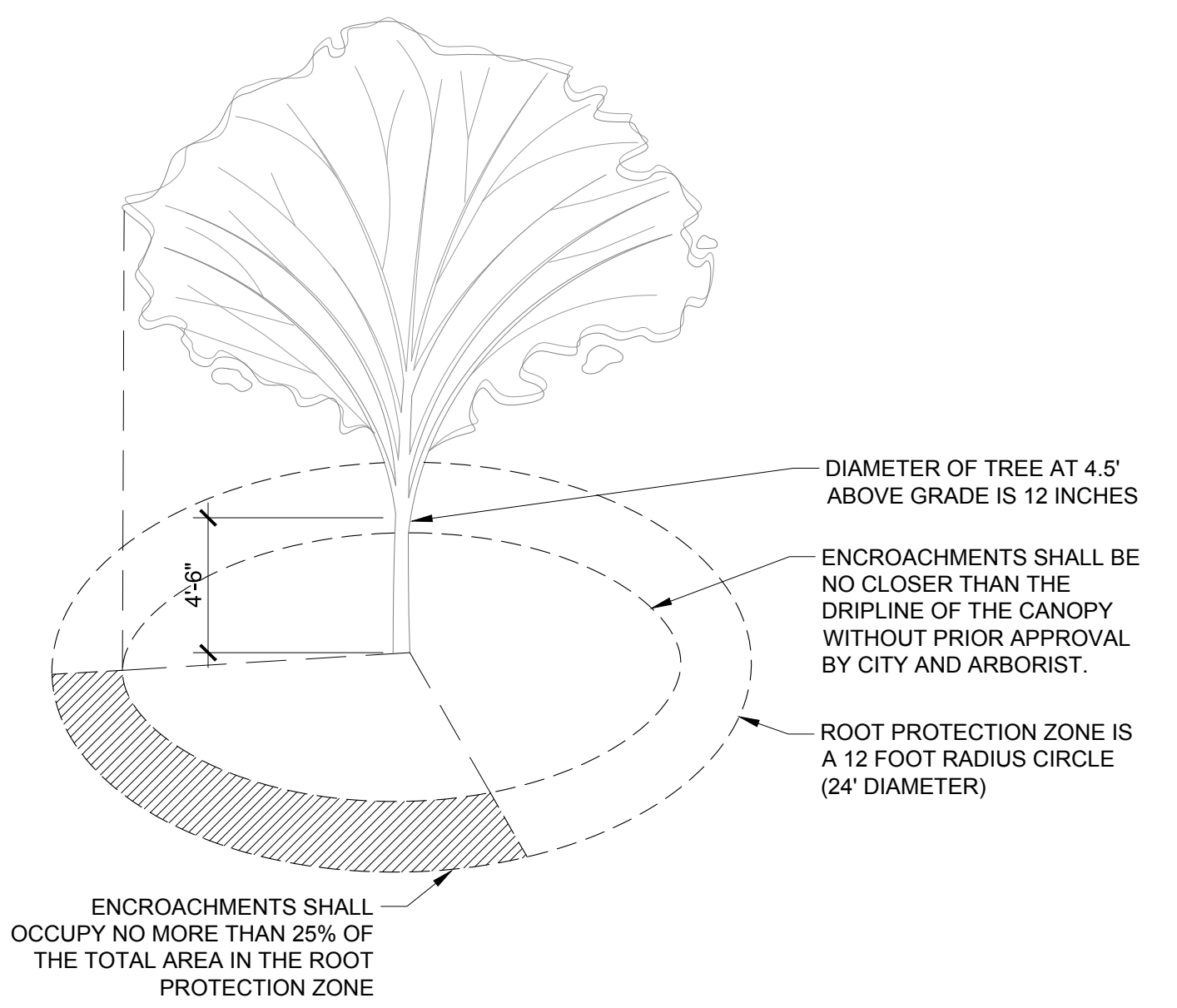
DO NOT REMOVE OR ADJUST THE LOCATION OF THIS TREE PROTECTION FENCING. UNAUTHORIZED ENCROACHMENT MAY RESULT IN FINES.

Please contact the project arborist if alterations to the location of the tree protection fencing are necessary.

Project Arborist: Teregan & Associates, Inc. (503) 697-1975

1. PROTECTION GUIDELINES WITHIN THE TREE PROTECTION ZONES:
 - a. NO NEW BUILDINGS, GRADE CHANGES OR CUT AND FILL, DURING OR AFTER CONSTRUCTION, NEW IMPERVIOUS SURFACES, OR UTILITY OR DRAINAGE FILED PLACEMENT SHOULD BE ALLOWED WITHIN THE TREE PROTECTION ZONES.
 - b. NO TRAFFIC SHOULD BE ALLOWED WITHIN THE TREE PROTECTION ZONES. THIS INCLUDES BUT IS NOT LIMITED TO VEHICLE, HEAVY EQUIPMENT, OR EVEN REPEATED FOOT TRAFFIC.
 - c. NO STORAGE OF MATERIALS INCLUDING BUT NOT LIMITED TO SOIL, ON STRUCTION MATERIALS, OR WASTE FROM THE SITE SHOULD BE PERMITTED WITHIN THE TREE PROTECTION ZONES. WASTE INCLUDES BUT IS NOT LIMITED TO CONCRETE WASH OUT, GASOLINE, DIESEL, PAINT, CLEANER, THINNERS, ETC.
 - d. CONSTRUCTION TRAILERS SHOULD NOT BE PARKED/PLACED WITHIN THE TREE PROTECTION ZONES.

6. NO VEHICLES SHOULD BE ALLOWED TO PARK WITHIN THE TREE PROTECTION ZONES.
 7. NO OTHER ACTIVITIES SHOULD BE ALLOWED THAT WILL CAUSE SOIL COMPACTIONS WITHIN THE TREE PROTECTION ZONES.
 8. THE TREES SHOULD BE PROTECTED FROM ANY CUTTING, SKINNING, OR BREAKING OF BRANCHES, TRUNKS OR WOODY ROOTS.
 9. THE PROJECT ARBORIST SHOULD BE NOTIFIED PRIOR TO THE CUTTING OF WOODY ROOTS FROM TREES THAT ARE TO BE RETAINED TO EVALUATE AND OVERSEE THE PROPER CUTTING OF ROOTS WITH SHARP CUTTING TOOLS. CUT ROOTS SHOULD BE IMMEDIATELY COVERED WITH SOIL OR MULCH TO PREVENT THEM FROM DRYING OUT.
 10. TREES THAT HAVE WOODY ROOTS CUT SHOULD BE PROVIDED SUPPLEMENTAL WATER DURING THE SUMMER MONTHS.
 11. ANY NECESSARY PASSAGE OF UTILITIES WITHIN THE TREE PROTECTION ZONES SHOULD BE BY MEANS OF TUNNELING UNDER WOODY ROOTS BY HAND DIGGING OR BORING WITH OVERSIGHT BY THE PROJECT ARBORIST.
 12. ANY DEVIATION FROM THE RECOMMENDATIONS IN THIS SECTION SHOULD RECEIVE PRIOR APPROVAL FROM THE PROJECT ARBORIST.
- AFTER CONSTRUCTION**
1. CAREFULLY LANDSCAPE THE AREAS WITHIN THE TREE PROTECTION ZONES. DO NOT ALLOW TRENCHING FOR IRRIGATION OR OTHER UTILITIES WITHIN THE TREE PROTECTION ZONES.
 2. CAREFULLY PLANT NEW PLANTS WITHIN THE TREE PROTECTION ZONES. AVOID CUTTING THE WOODY ROOTS OF TREES THAT ARE RETAINED.
 3. DO NOT INSTALL PERMANENT IRRIGATION WITHIN THE TREE PROTECTION ZONES UNLESS IT IS DRIP IRRIGATION TO SUPPORT A SPECIFIC PLANTING OR THE IRRIGATION IS APPROVED BY THE PROJECT ARBORIST.
 4. PROVIDE ADEQUATE DRAINAGE WITHIN THE TREE PROTECTION ZONES AND DO NOT ALTER SOIL HYDROLOGY SIGNIFICANTLY FROM EXISTING CONDITIONS FOR THE TREES TO BE RETAINED.
 5. PROVIDE FOR THE ONGOING INSPECTION AND TREATMENT OF INSECT AND DISEASE POPULATIONS THAT CAN DAMAGE THE RETAINED TREES AND PLANTS.
 6. THE RETAINED TREES MAY NEED TO BE FERTILIZED IF RECOMMENDED BY THE PROJECT ARBORIST.
 7. ANY DEVIATION FROM THE RECOMMENDATIONS IN THIS SECTION SHOULD RECEIVE PRIOR APPROVAL FROM THE PROJECT ARBORIST.



1 ROOT PROTECTION ZONE SCALE: NTS

TREE DATA

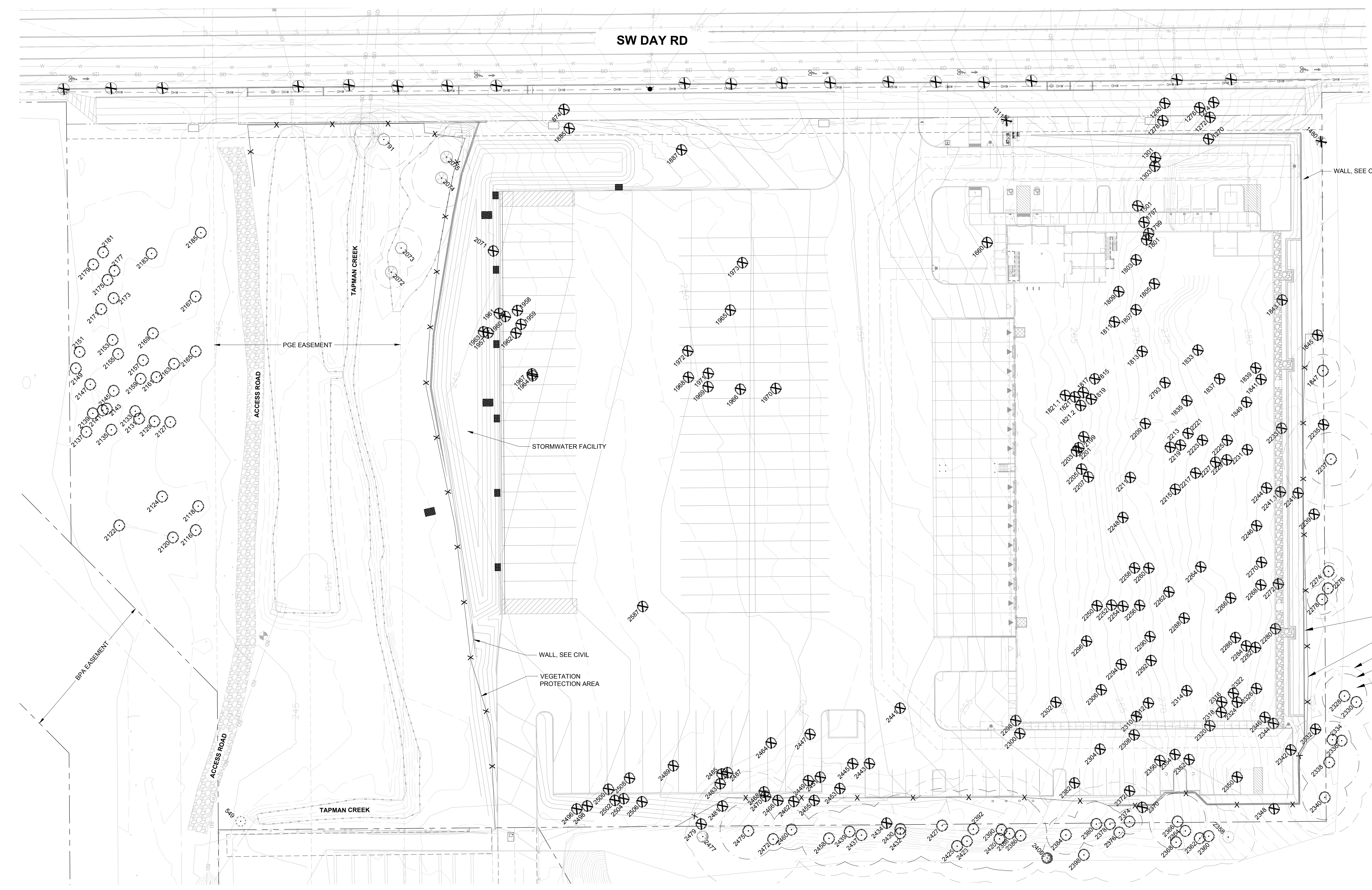
ALL TREES (257 TREES)	QTY	RETAIN	REMOVE	MITIGATION
ON SITE < 6" DBH	200	46	154	154
PUBLIC < 6" DBH	21	0	21	21
OFF SITE < 6" DBH	36	36	0	0
TOTAL	257	82	175	175

TREE INVENTORY - ON SITE AND PUBLIC

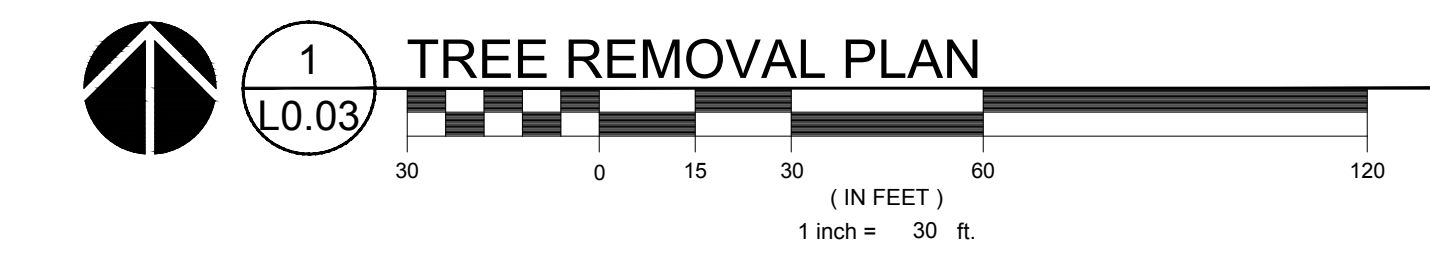
EXISTING	BOTANICAL / COMMON NAME	QTY
+	DOUGLAS FIR TO REMOVE	155
○	DOUGLAS FIR TO REMAIN	40
○	ENGLISH HAWTHORN TO REMAIN	1
○	OREGON ASH TO REMAIN	3
+	STREET TREES TO REMOVE	18
+	SWEET CHERRY TO REMOVE	2
○	WILLOW TO REMAIN	2

TREE INVENTORY - OFF SITE PRIVATE

EXISTING	BOTANICAL / COMMON NAME	QTY
○	BIGLEAF MAPLE TO REMAIN	1
○	DOUGLAS FIR TO REMAIN	33
○	OREGON WHITE OAK TO REMAIN	1
○	PACIFIC MADRONE TO REMAIN	1



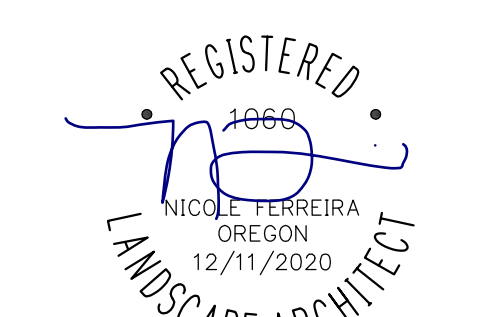
WALL, SEE CIVIL
 TREE PROTECTION FENCING, SEE 5L5.10
 FULL ROOT PROTECTION ZONE - 12X
 ROOT PROTECTION ZONE - DRIPLINE
 MINIMUM CONSTRUCTION SETBACK RADIUS 6X



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REVISION SCHEDULE

Delta	Issued As	Issue Date

TREE REMOVAL PLAN

SHEET

L0.03

JOB NO. **2200502.00**

MITIGATION PLANTING NOTES

NOTES PER EXHIBIT C NATURAL RESOURCE ASSESSMENT FOR 9710 SW DAY ROAD PREPARED BY SCHOTT AND ASSOCIATES (2022) AND AMENDED BY MACKENZIE (2023) TO REFLECT SITE PLAN CHANGES RESULTING IN LESS ENCROACHMENT ON THE VEGETATED CORRIDOR AND IMPACT AREA.

SITE PREPARATION
 PRIOR TO ANY SITE CLEARING, GRADING OR CONSTRUCTION, THE SROZ AREA SHALL BE STAKED, AND FENCED PER APPROVED PLAN. DURING CONSTRUCTION, THE SROZ AREA SHALL REMAIN FENCED AND UNDISTURBED EXCEPT AS ALLOWED BY AN APPROVED DEVELOPMENT PERMIT.

PROPOSED ENCROACHMENTS
 ENCROACHMENTS ARE PROPOSED TO THE VEGETATED CORRIDOR AND IMPACT AREA.

- ENCROACHMENTS WILL OCCUR IN THE NORTHERN PORTION OF THE VEGETATED CORRIDOR FOR THE CITY REQUIRED WIDENING OF SW DAY RD AND IN THE SOUTHERN PORTION FOR THE TAPMAN CREEK CROSSING. THESE AREAS ARE VEGETATED ENTIRELY BY INVASIVE SPECIES INCLUDING HIMALAYAN BLACKBERRY AND REED CANARY GRASS. NO TREES OR NATIVE SPECIES WILL BE REMOVED AS A RESULT OF CONSTRUCTION.
- ENCROACHMENT WITHIN THE IMPACT AREAS WILL OCCUR ON THE EAST SIDE OF THE CREEK FOR THE CONSTRUCTION OF A VEGETATED WATER QUALITY AND STORMWATER DETENTION FACILITY. NO ENCROACHMENTS TO TAPMAN CREEK OR THE WETLANDS ARE PROPOSED. NO TREES WILL BE REMOVED FROM THE SROZ.
- DEVELOPMENT ACTIVITY HAS BEEN LIMITED TO THE IMPACT AREA WHERE PRACTICAL EXCEPT WHERE NECESSARY TO WIDEN SW DAY ROAD.

MITIGATION PLANTING
 THE MITIGATION PLANTING PLAN WAS DESIGNED ACCORDING SECTION 4.139.07.(2)(E) AND SHALL MEET THE FOLLOWING:

- THE PLANTING PLAN SHALL BE IMPLEMENTED PRIOR TO OR AT THE SAME TIME AS THE IMPACT ACTIVITY IS CONDUCTED.
- ALL TREES, SHRUBS AND GROUND COVER SHALL BE NATIVE VEGETATION.
- TREES AND SHRUBS SHALL BE AT LEAST ONE-GALLON IN SIZE AND SHALL BE AT LEAST TWELVE (12) INCHES IN HEIGHT.
- 2-GALLON TREES SHALL BE PLANTED BETWEEN EIGHT (8) AND TWELVE (12) FEET ON CENTER, AND SHRUBS SHALL BE PLANTED BETWEEN FOUR (4) AND FIVE (5) FEET ON CENTER, OR CLUSTERED IN SINGLE SPECIES GROUPS OF NO MORE THAN FOUR (4) PLANTS, WITH EACH CLUSTER PLANTED BETWEEN EIGHT (8) AND TEN (10) FEET ON CENTER. WHEN PLANTING NEAR EXISTING TREES, THE DRIP LINE OF THE EXISTING TREE SHALL BE THE STARTING POINT FOR PLANT SPACING MEASUREMENTS.
- SHRUBS SHALL CONSIST OF AT LEAST TWO (2) DIFFERENT SPECIES. IF FIVE (5) TREES OR MORE ARE PLANTED, THEN NO MORE THAN FIFTY (50) PERCENT OF THE TREES MAY BE OF THE SAME GENUS.
- INVASIVE NON-NATIVE OR NOXIOUS VEGETATION SHALL BE REMOVED WITHIN THE MITIGATION AREA PRIOR TO PLANTING AND SHALL BE REMOVED OR CONTROLLED FOR FIVE (5) YEARS FOLLOWING THE DATE THAT THE MITIGATION PLANTING IS COMPLETED.

MITIGATION GOALS AND PERFORMANCE STANDARDS

THE MITIGATION SITE GOAL IS AS FOLLOWS:

ENHANCE 32,890 SF OF VEGETATED CORRIDOR TO IMPROVE RIPARIAN CORRIDOR, WATER QUALITY PROTECTION, ECOLOGICAL INTEGRITY AND WILDLIFE HABITAT FUNCTIONS BY REMOVING INVASIVE SPECIES AND MAINTAINING A NATIVE, WOODY-DOMINATED PLANT COMMUNITY.

PERFORMANCE STANDARDS ARE BASED ON METRO'S TITLE 3 WATER QUALITY PERFORMANCE STANDARDS TO PROTECT AND IMPROVE WATER QUALITY AND PROTECT THE FUNCTIONS AND VALUES OF WATER QUALITY RESOURCE AREAS (METRO 2018). THIS PLAN'S PERFORMANCE STANDARDS FOR FOREST AND/OR SHRUB DOMINATED AREAS AND SHALL CONSIST OF THE FOLLOWING:

- ESTABLISHMENT OF PERMANENT MONITORING LOCATIONS DURING THE FIRST ANNUAL MONITORING.
- COVER OF NATIVE HERBACEOUS SPECIES IS AT LEAST 60%.
- COVER OF INVASIVE SPECIES IS NO MORE THAN 10%. AFTER THE SITE HAS MATURED TO THE STAGE WHEN DESIRABLE CANOPY SPECIES REACH 50% COVER, THE COVER OF INVASIVE SPECIES MAY INCREASE BUT MAY NOT EXCEED 30%.
- BARE SUBSTRATE REPRESENTS NO MORE THAN 20% COVER.
- DENSITY OF WOODY VEGETATION IS AT LEAST 1,600 LIVE TREES OR SHRUBS PER ACRE OR THE COVER OF NATIVE WOODY VEGETATION ON SITE IS AT LEAST 50%. NATIVE VOLUNTEER SPECIES MAY BE INCLUDED IN THE COVER OR DENSITY ESTIMATE.
- BY YEAR 3 AND THEREAFTER, AT LEAST 6 DIFFERENT NATIVE SPECIES MUST BE PRESENT. TO QUALIFY, A SPECIES MUST HAVE AT LEAST 5% AVERAGE COVER IN THE HABITAT CLASS AND OCCUR IN AT LEAST 10% OF THE PLOTS SAMPLED.
- BY YEAR 5, A MINIMUM OF EIGHTY (80) PERCENT OF THE TREES AND SHRUBS INITIALLY REQUIRED SHALL REMAIN ALIVE.

MAINTENANCE AND MONITORING

MONITORING WILL OCCUR ANNUALLY OVER A 5-YEAR MONITORING PERIOD TO ASSESS CONDITION OF PLANTINGS, IRRIGATION, MULCH ETC. MONITORING WILL BE CONDUCTED BY QUALIFIED PERSONNEL DURING PEAK GROWING SEASON (JULY-AUGUST). ANNUAL MONITORING REPORTS WILL BE PROVIDED TO THE PLANNING DIRECTOR FOR REVIEW BY DECEMBER OF EACH MONITORING YEAR. THE REPORT SHALL CONTAIN, AT A MINIMUM, PHOTOGRAPHS FROM ESTABLISHED PHOTO POINTS, QUANTITATIVE MEASURE OF SUCCESS CRITERIA, INCLUDING PLANT SURVIVAL AND VIGOR. THE YEAR 1 ANNUAL REPORT SHALL BE SUBMITTED ONE YEAR FOLLOWING MITIGATION ACTION IMPLEMENTATION. THE FINAL ANNUAL REPORT (YEAR 5 REPORT) SHALL DOCUMENT SUCCESSFUL SATISFACTION OF MITIGATION GOALS, AS PER THE STATED PERFORMANCE STANDARDS.

THE APPLICANT WILL BE RESPONSIBLE FOR COORDINATING ONGOING MAINTENANCE AND MANAGEMENT. IF THE OWNERSHIP OF THE MITIGATION SITE PROPERTY CHANGES, THE NEW OWNERS WILL HAVE THE CONTINUED RESPONSIBILITIES MAINTENANCE ACTIVITIES INCLUDING MULCHING, WEED REMOVAL, HERBIVORY CONTROL, AND SUPPLEMENTAL PLANTING WILL BE CONDUCTED BY A QUALIFIED CONTRACTOR AT LEAST TWICE PER GROWING SEASON AND ONCE PRIOR TO THE GROWING SEASON OR MORE FREQUENTLY AS INDICATED BY MONITORING RESULTS. ANY FAILED PLANTS WILL BE REPLACED IN-KIND WITH THE CAUSE OF LOSS (WILDLIFE DAMAGE, POOR PLANT STOCK, DROUGHT, WEED OVERGROWTH, ETC.) DOCUMENTED AND ADDITIONAL MAINTENANCE DONE TO ADDRESS THE CAUSE OF LOSS AND ENSURE FUTURE PLANT SURVIVAL.

SROZ ENCROACHMENT MITIGATION TABLE

	ENCROACHMENT	MITIGATION RATE
VEGETATED CORRIDOR	1,850 SF	3:2:1 6,305 SF
IMPACT AREA	9,833.70 SF	N/A
		RIPARIAN FOREST COMMUNITY 3,360 SF RIPARIAN SHRUB COMMUNITY 2,945 SF

MITIGATION PLANT SCHEDULE PER SRIR

RIPARIAN FOREST COMMUNITY: 3,360 SF						
SPECIES	TYPE	MIN SIZE*	SPACING	QTY	TOTAL	
OREGON ASH	TREE	2-INCH CAL	15 FT OC	11		
FRAXINUS LATIFOLIA	TREE	2 GAL OR	8 FT OC	31		
SCOULEA PTERIS WILLOW	TREE	2 GAL OR	8 FT OC	31		
SALIX SCOULERIANA	TREE	2 GAL OR	8 FT OC	31		
WESTERN REDCEDAR	TREE	2 GAL OR	8 FT OC	31		73 TREES
THUJA PLICATA	TREE	2 GAL OR	8 FT OC	31		
REDOSIER DOGWOOD	SHRUB	1 GAL OR	5 FT OC	30		
CORNUS STOLONIFERA	SHRUB	1 GAL OR	5 FT OC	30		
RED ELDERBERRY	SHRUB	1 GAL OR	5 FT OC	30		
SAMBUCUS RACEMOSA	SHRUB	1 GAL OR	5 FT OC	30		
SNOWBERRY	SHRUB	1 GAL OR	5 FT OC	30		
SYMPHORICARPOS ALBUS	SHRUB	1 GAL OR	5 FT OC	30		
SALMONBERRY	SHRUB	1 GAL OR	5 FT OC	14		
RUBUS SPECTABILIS	SHRUB	1 GAL OR	5 FT OC	30		
SWAMP ROSE	SHRUB	1 GAL OR	5 FT OC	30		
ROSA PISOCARPA	SHRUB	1 GAL OR	5 FT OC	30		
INDIAN PLUM	SHRUB	1 GAL OR	5 FT OC	30		251 SHRUBS
OSMUNDA CERASIFORMIS	SHRUB	1 GAL OR	5 FT OC	30		
PROTOME 402*	HERB	25 LBS PER ACRE		1.7 LBS		

RIPARIAN SHRUB COMMUNITY: 2,945 SF

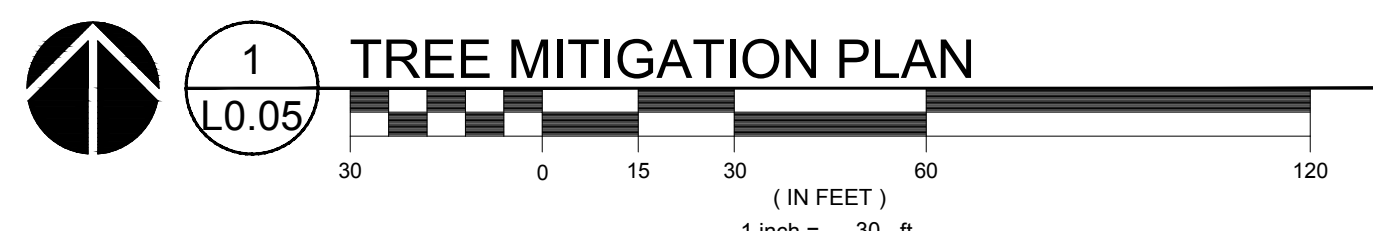
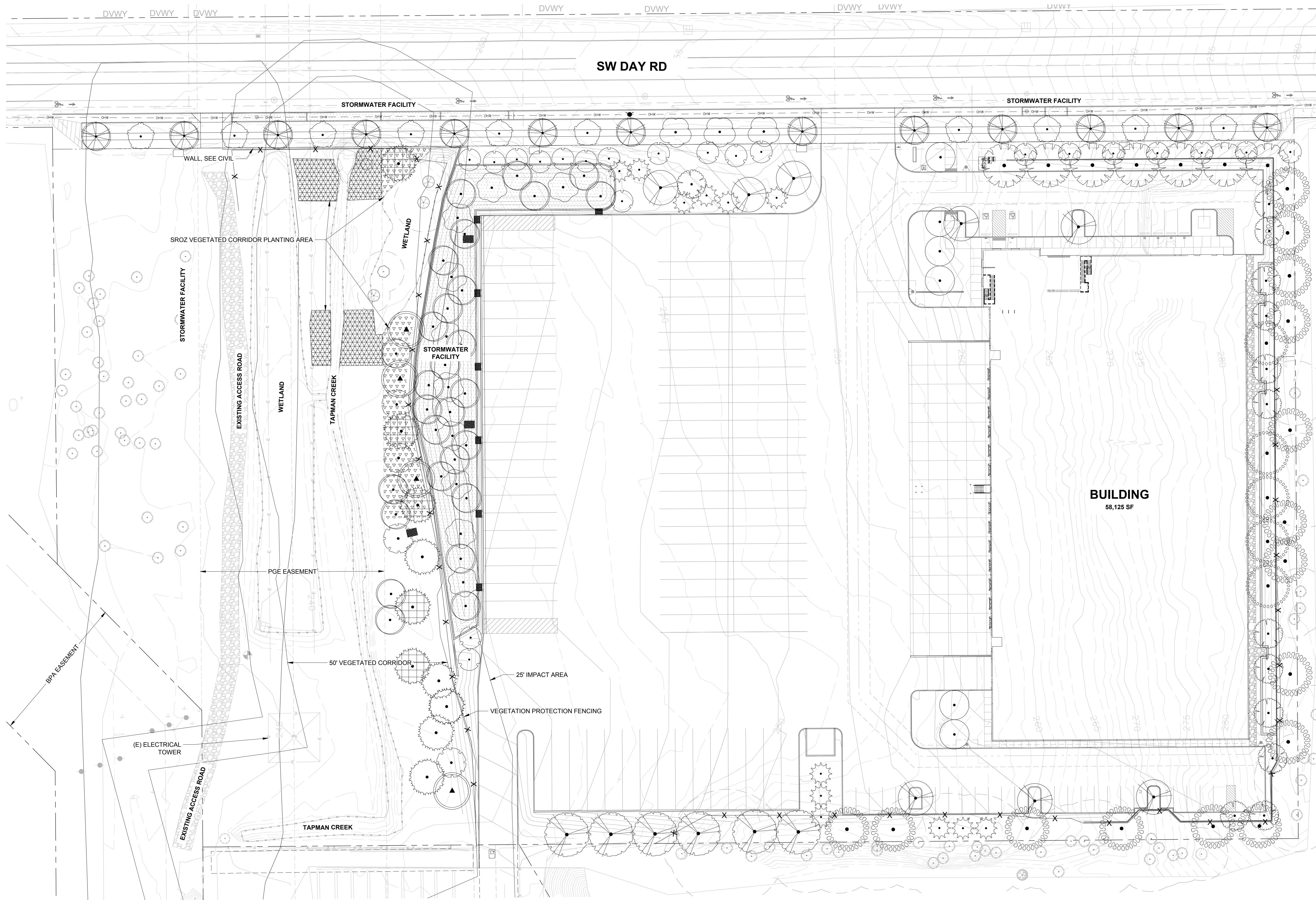
SPECIES	TYPE	MIN SIZE*	SPACING	QTY	TOTAL
REDOSIER DOGWOOD	SHRUB	1 GAL OR	5 FT OC	15	
CORNUS STOLONIFERA	SHRUB	1 GAL OR	5 FT OC	30	
RED ELDERBERRY	SHRUB	1 GAL OR	5 FT OC	30	
SAMBUCUS RACEMOSA	SHRUB	1 GAL OR	5 FT OC	30	
SNOWBERRY	SHRUB	1 GAL OR	5 FT OC	15	
SYMPHORICARPOS ALBUS	SHRUB	1 GAL OR	5 FT OC	10	
RUBUS SPECTABILIS	SHRUB	1 GAL OR	5 FT OC	17	
SWAMP ROSE	SHRUB	1 GAL OR	5 FT OC	17	
ROSA PISOCARPA	SHRUB	1 GAL OR	5 FT OC	30	
INDIAN PLUM	SHRUB	1 GAL OR	5 FT OC	30	
OSMUNDA CERASIFORMIS	SHRUB	1 GAL OR	5 FT OC	30	
PROTOME 402*	HERB	25 LBS PER ACRE		1.7 LBS	

*NATIVE RIPARIAN MIX INCLUDES BLUE WILDRYE (ELYMUS GLAUCUS), MEADOW BARLEY (HORDEUM BRACHYANTHERUM), AND TUFTED HAIRGRASS (DESCHAMPSIA CESPITOSA)

PROPOSED PLANT LIST (REMAINDER OF SITE)

IN COMPLIANCE WITH THE MITIGATION REQUIREMENTS, NATIVE AND DROUGHT TOLERANT VEGETATION IS USED THROUGHOUT THE SITE.

PLANT NAME	NATIVE STATUS
ACCENT TREES	
ACER RUBRUM 'BOWHALL'	
AMELANCHIER ALNIFOLIA 'AUTUMN BRILLIANCE'	NATIVE CULTIVAR
CORNUS KOUSA X NUTTALLII 'KN4-43'	NATIVE CULTIVAR
PRIMARY TREES	
PSEUDOTSUGA MENZIESII	NATIVE
QUERCUS GARRYANA	NATIVE
THUJA PLICATA	NATIVE
ZELKOVA SERRATA 'GREEN VASE'	NATIVE
SECONDARY TREES	
CALOCEDRUS DECURRENS	NATIVE
TILIA TOMENTOSA 'STERLING'	NATIVE
STORMWATER TREES	
ACER MACROPHYLLUM	NATIVE CULTIVAR
CORNUS X 'EDDIE'S WHITE WONDER'	NATIVE CULTIVAR
FRAXINUS LATIFOLIA	NATIVE
PINUS PONDEROSA VAR. BENTHAMIANA	NATIVE
PSEUDOTSUGA MENZIESII	NATIVE
RHAMNUS 'PORSHIANA'	NATIVE
STREET TREES	
ACER GRANDIDENTATUM 'SCHMIDT' TM	NATIVE CULTIVAR
CORNUS 'KUBUS' 'MILK WAY'	NATIVE CULTIVAR
PARRROTTIA PERSICA 'INGE'S RUBY VASE' TM	NATIVE CULTIVAR
SHRUBS	
ACER CIRCINATUM 'PACIFIC FIRE'	NATIVE CULTIVAR
ARBITUS 'ONEID' 'COMPACTA'	NATIVE
CORNUS 'SERICEA' 'KELSEYI'	NATIVE
DEUTZIA 'GRACILIS' 'NIKKO'	NATIVE CULTIVAR
GAULTHERIA 'SHALLON'	NATIVE
MAHONIA 'AQUIFOLIUM' 'COMPACTA'	NATIVE CULTIVAR
MYRICA CALIFORNICA	NATIVE
POLYSTICHUM MUNITUM	NATIVE
RIBES SANGUINEUM	NATIVE CULTIVAR
SPIRAEA BETULIFOLIA 'TOR'	NATIVE
SYMPHORICARPOS ALBUS	NATIVE CULTIVAR
VACCINIUM OVATUM 'SCARLET OVATION'	NATIVE
VIBURNUM DAVIDI	NATIVE CULTIVAR
VIBURNUM TINUS 'SPRING BOUQUET'	NATIVE
PERENNIALS	
ACHILLEA 'MILLIFOLIUM' 'ALABASTER'	NATIVE
ASTER 'SUBSPICATUS'	NATIVE
POLYSTICHUM MUNITUM	NATIVE
PTERIDIUM AQUILINUM	NATIVE
SALVIA X SUPERBA 'CARADONNA'	NATIVE
STORMWATER SHRUBS	
CORNUS 'SERICEA'	NATIVE
HOLDISCUS 'DISCOLOR'	NATIVE
MAHONIA 'AQUIFOLIUM'	NATIVE CULTIVAR
RIBES 'SANGUINEUM'	NATIVE
ROSA 'PISOCARPA'	NATIVE
RUBUS 'SPECTABILIS'	NATIVE
GROUND COVERS	
SPRAEA BETULIFOLIA 'TOR'	NATIVE
SPIRAEA DOUGLASSII	NATIVE
SYMPHORICARPOS ALBUS	NATIVE
GROUND COVERS	
ARCTOSTAPHYLOS UVA-URSI	NATIVE
BOUTELOUA 'GRACILIS' 'BLONDE 'AMBITION'	NATIVE
FESTUCA OCCIDENTALIS	NATIVE
GERANIUM X 'CANTABRIGIENSE' 'BIOKOVO'	NATIVE
MAHONIA 'RENS'	NATIVE
PROTOME 402 NATIVE RIPARIAN MIX	NATIVE
SEED MIX NATIVE POLLINATOR MEADOW MIX	NATIVE
SEED MIX NATIVE UPLANDS MEADOW MIX	NATIVE
STORMWATER PLANTING	
CAREX Densa	NATIVE
JUNCUS PATENS	NATIVE



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REGISTERED
 1986
 NICOLE FERREIRA
 OREGON
 12/11/2020
 LANDSCAPE ARCHITECT

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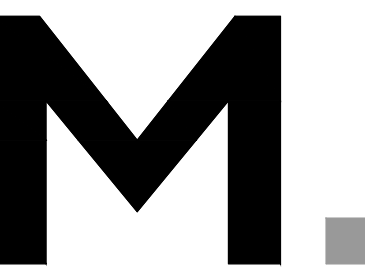
Delta	Issued As	Issue Date

VEGETATED CORRIDOR ENHANCEMENT PLANTING PLAN

SHEET

L0.05

JOB NO. 2200502.00



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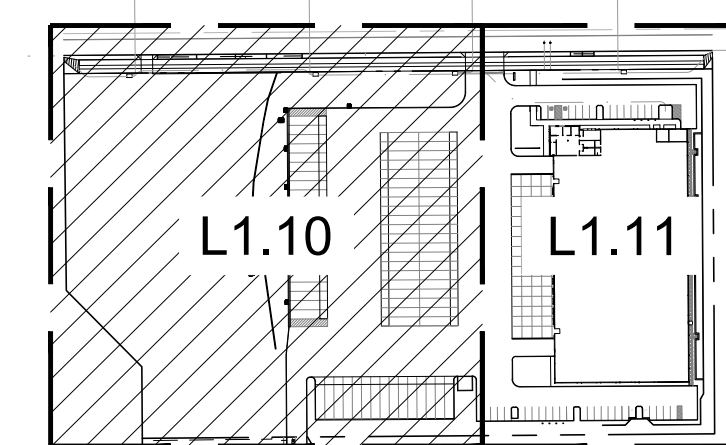
PLANTING PLAN - WEST

PLANT KEY LEGEND

ACCENT TREES	BOTANICAL / COMMON NAME
	AMELANCHIER ALNIFOLIA "AUTUMN BRILLIANCE" SERVICEBERRY
	CORNUS KOUSA # NUTTALLI 1014-43" STARLIGHT KOUSA DOGWOOD
PRIMARY TREES	BOTANICAL / COMMON NAME
	PSEUDOTSUGA MENZIESII DOUGLAS FIR
	QUERCUS GARRYANA OREGON WHITE OAK
SECONDARY TREES	BOTANICAL / COMMON NAME
	CALCESTRUS DECURRENS INCENSE CEDAR
	TILIA TOMENTOSA "STERLING" STERLING SILVER LINDEN
STORMWATER TREES	BOTANICAL / COMMON NAME
	ACER MACROPHYLLUM BIG LEAF MAPLE
	CORNUS X "EDDIE'S WHITE WONDER" EDDIE'S WHITE WONDER DOGWOOD
	FRAXINUS LATIFOLIA OREGON ASH
	PINUS PONDEROSA VAR. BENTHAMIANA WILLAMETTE VALLEY PONDEROSA PINE
	PSEUDOTSUGA MENZIESII DOUGLAS FIR
	RHAMNUS PURSHIANA CASCARA BUCKTHORN
STREET TREES	BOTANICAL / COMMON NAME
	ACER GRANDIDENTATUM "SCHMIDT" TM ROCKY MOUNTAIN GLOW MAPLE
	CORNUS KOUSA "MILKY WAY" MILKY WAY KOUSA DOGWOOD
	PARROTIA PERSICA "INGE'S RUBY VASE" TM RUBY VASE PERSIAN PARROTIA
SHRUBS	BOTANICAL / COMMON NAME
	ARBUTUS UNEDO "COMPACTA" DWARF STRAWBERRY TREE
	CORNUS SERICEA "VELSEY" KELSEY DWARF REDTIG DOGWOOD
	DEUTZIA GRACILIS "NIRKO" SLENDER DEUTZIA
	GALIUM THIERIA SHALLOW SALAL
	MAHONIA AQUIFOLIUM OREGON GRAPE
	MAHONIA AQUIFOLIUM "COMPACTA" COMPACT OREGON GRAPE
	MYRICA CALIFORNICA PACIFIC WAX MYRTLE
	RYBES SANGUINEUM RED FLOWERING CURRANT
	SPIRAEA BETULIFOLIA "TOR" BIRCHLEAF SPIREA
	SYMPHORICARPOS ALBUS COMMON WHITE SNOWBERRY
	VACCINIUM OVATUM EVERGREEN HUCKLEBERRY
	VACCINIUM OVATUM "SCARLET OVATION" SCARLET OVATION EVERGREEN HUCKLEBERRY
	VIBURNUM DAVIDII DAVID VIBURNUM
	VIBURNUM TINUS "SPRING BOUQUET" SPRING BOUQUET LAURUSTRIBUS
PERENNIALS	BOTANICAL / COMMON NAME
	ACHILLEA MILLEFOLIUM "ALABASTER" ALABASTER YARROW
	ASTER SUBSPICATUS DRUMMOD ASTER
	POLYSTICHUM MONTANUM WESTERN SWORD FERN
	PTERIDIUM AQUILINUM WESTERN BRACKLEFERN
STORMWATER SHRUBS	BOTANICAL / COMMON NAME
	CORNUS SERICEA RED TIG DOGWOOD
	HOLODISCUS DISCOLOR OCEAN SPRAY
	MAHONIA AQUIFOLIUM OREGON GRAPE
	RYBES SANGUINEUM RED FLOWERING CURRANT
	ROSA PISSOIRIA CLUSTERED WILD ROSE
	RUBUS SPECTABILIS SALMONBERRY
	SPIRAEA BETULIFOLIA "TOR" TOR BIRCHLEAF SPIREA
	SPIRAEA DOUGLASSII WESTERN SPIREA
	SYMPHORICARPOS ALBUS COMMON WHITE SNOWBERRY
GROUND COVERS	BOTANICAL / COMMON NAME
	ARCTOSTAPHYLOS UVA-URSI KIWANINUCK
	ROULETIA GRACILIS "BLONDE AMBITION" BLONDE AMBITION BLUE GRAMA
	FESTUCA OCCIDENTALIS WESTERN FESCUE GRASS
	MAHONIA REPENS CREeping MAHONIA
	PROTME 402 NATIVE RIPARIAN MIX PROTME SEEDS
	SEED MIX NATIVE POLLINATOR MEADOW MIX SUNSHINE SEEDS
STORMWATER PLANTING	BOTANICAL / COMMON NAME
	CAREX Densa DENSE SEDGE
	JUNCUS PATENS CALIFORNIA GRAY RUSH

REFERENCE NOTES

1. PLANT SIZE, SPACING, AND QUANTITY. SEE PLANT SCHEDULE L0.02
2. PROPOSED UTILITY BOX AND PLANTING WITHIN DEFINED ACCESS ZONE.
3. COORDINATE SHRUB LAYOUT WITH EXISTING UTILITIES. REPORT CONFLICTS TO LANDSCAPE ARCHITECT.



KEY MAP
SCALE: NTS

L1.10

JOB NO. 2200502.00

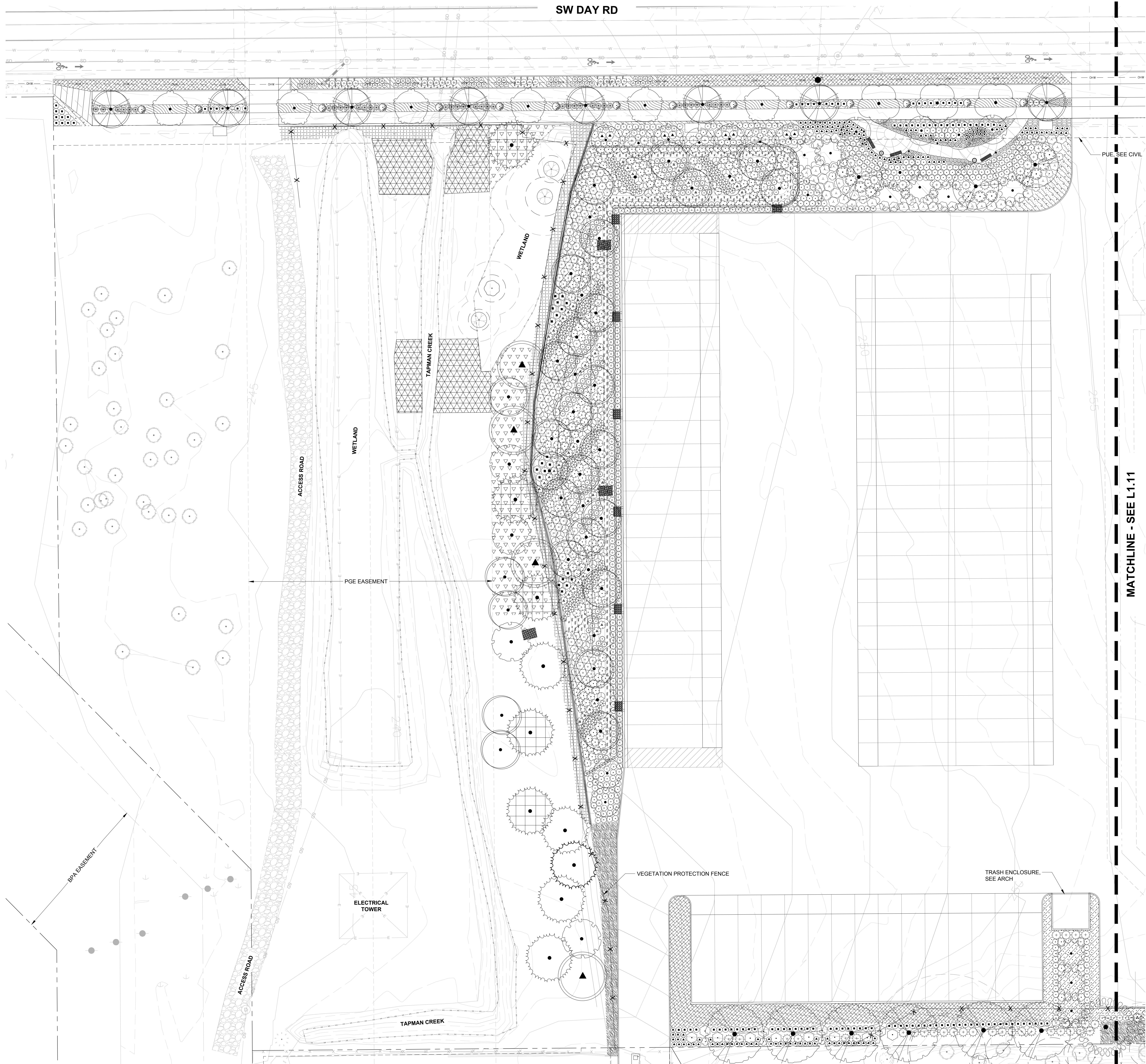
DEVELOPMENT REVIEW SET - 04/24/23

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SW DAY RD

PUE SEE CIVIL

MATCHLINE - SEE L1.11



ACCESS ROAD

WETLAND

TAPMAN CREEK

WETLAND

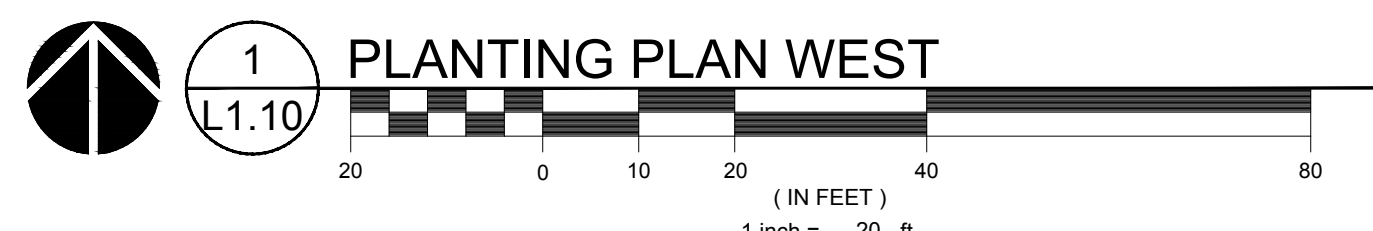
PGE EASEMENT

ELECTRICAL TOWER

TAPMAN CREEK

VEGETATION PROTECTION FENCE

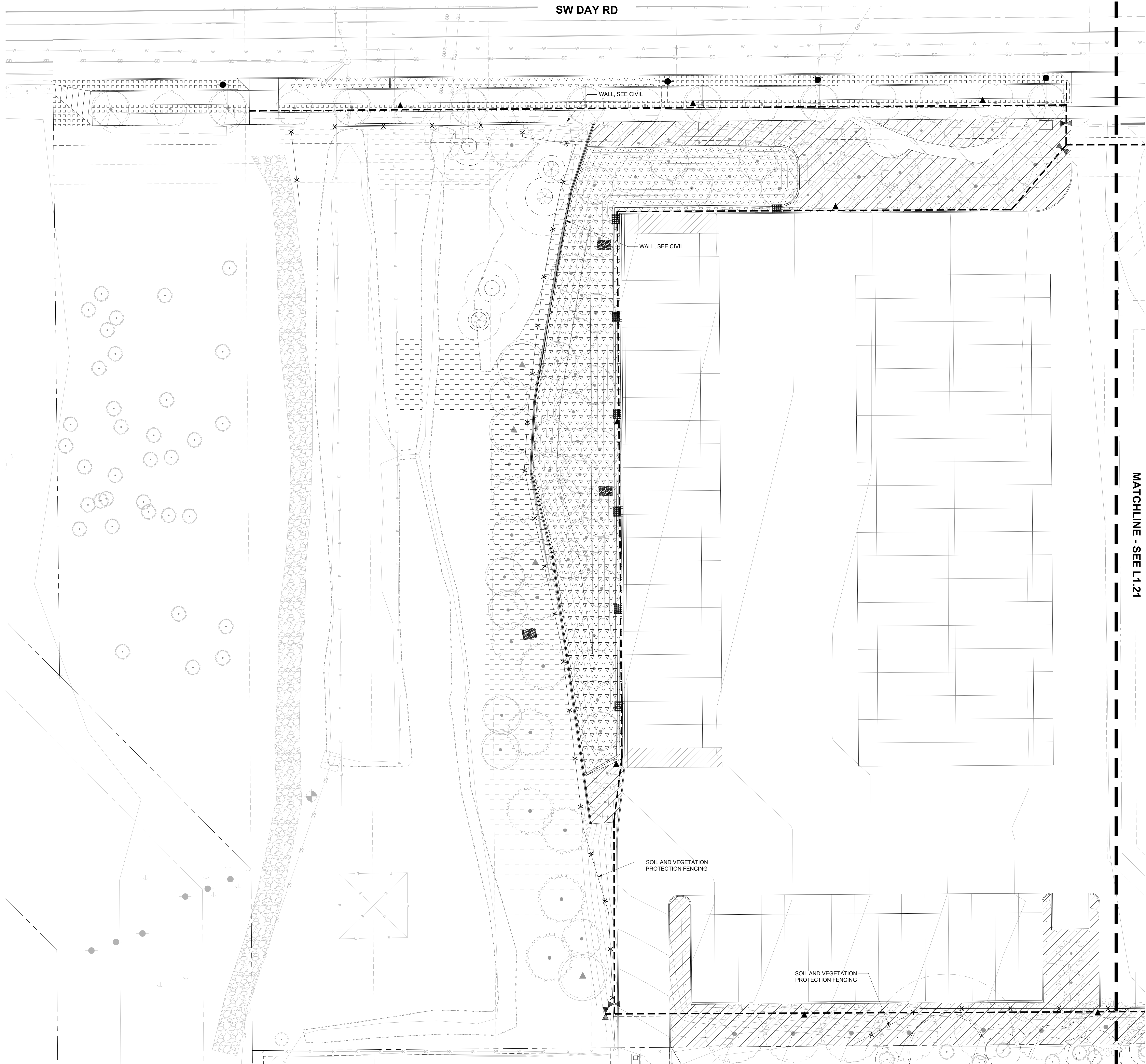
TRASH ENCLOSURE, SEE ARCH



1 L1.10 PLANTING PLAN WEST

(IN FEET)
1 inch = 20 ft.

SW DAY RD



IRRIGATION LEGEND

- POINT OF CONNECTION, INCLUDE DOUBLE CHECK BACKFLOW PREVENTOR, MASTER VALVE AND FLOW SENSOR - SEE DETAIL ON L5.11
- IRRIGATION CONTROLLER
- GATE VALVE
- QUICK COUPLER AT 150' (INTERVALS MAX)
- MAINLINE SLEEVE- DIAMETER AT LEAST TWICE DIAMETER OF PIPE BEING SLEEVED
- MAINLINE-SCHEDULE 40 PVC
- SHRUB AND GROUNDCOVER DRIP AREA
- SHRUB AND GROUNDCOVER SPRAY AREA
- STORMWATER AREA - ZONE SEPARATELY
- LAWN AREA - ZONE SEPARATELY
- TEMPORARY IRRIGATED AREA - ZONE SEPARATELY
- RIGHT-OF-WAY - ZONE SEPARATELY
- MEADOW AREA - ZONE SEPARATELY

REFERENCE NOTES

- CAREFULLY EXCAVATE IRRIGATION TRENCHES IN VICINITY OF EXISTING TREES. SEE TREE PROTECTION NOTES L0.03 AND IN EXHIBIT D ARBORIST REPORT.



Portland, OR
503.224.9560
Vancouver, WA
360.695.7879
Seattle, WA
206.749.9993
www.mcknz.com



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9835 SW COMMERCE
CIRCLE
WILSONVILLE, OR 97070

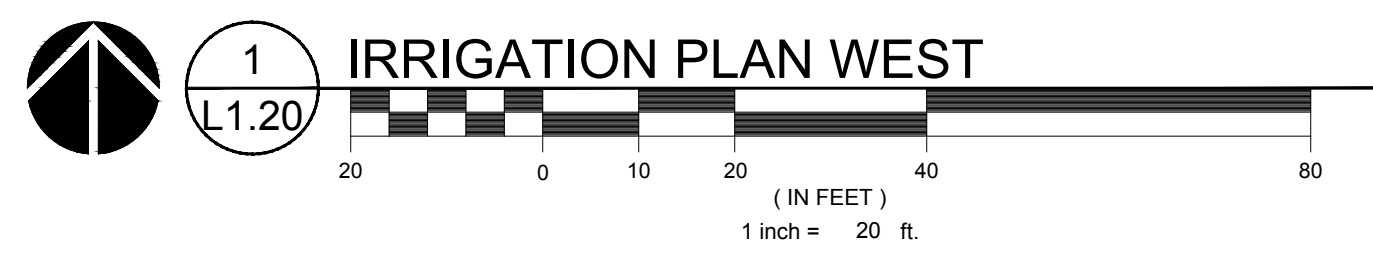
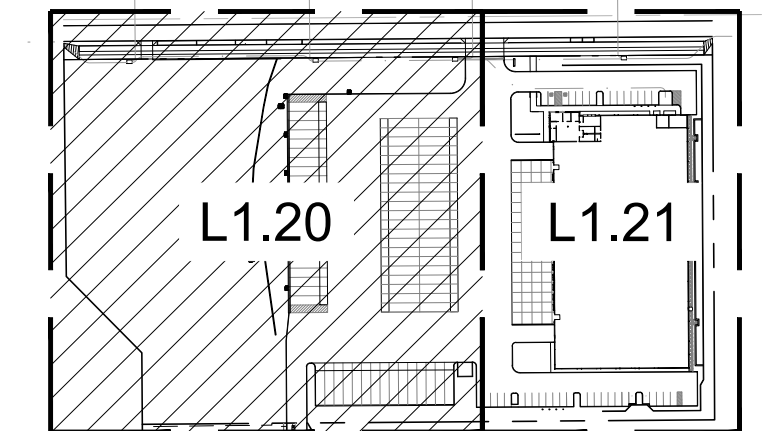
Project
**DELTA LOGISTICS
SITE EXPANSION**
9710 SW DAY RD.
CITY OF
WILSONVILLE, OR



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REVISION SCHEDULE		
Delta	Issued As	Issue Date
1	LAND USE	2/20/2023

IRRIGATION PLAN - WEST



SHEET
L1.20
JOB NO. **2200502.00**

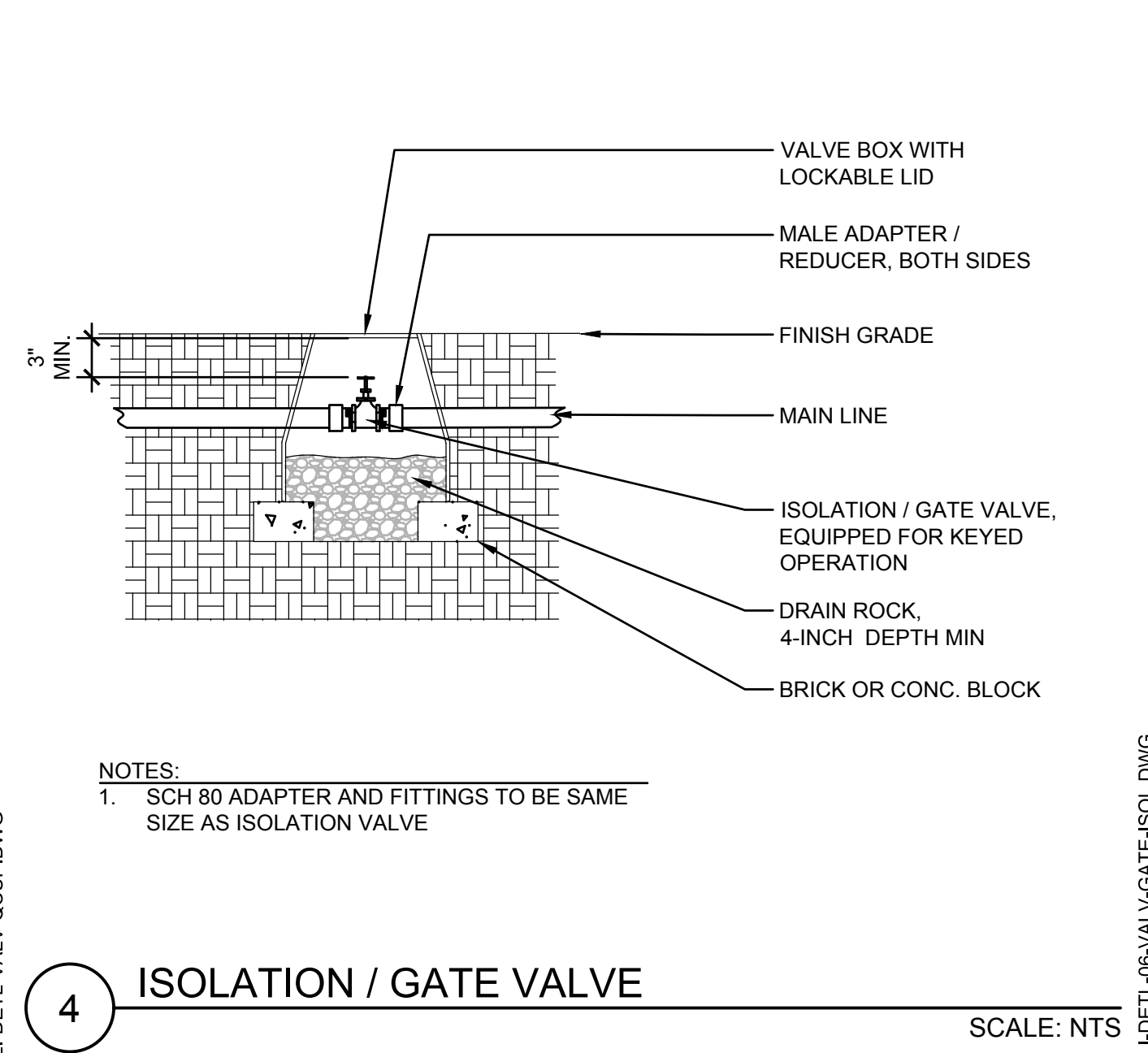
REVISION SCHEDULE		
Delta	Issued As	Issue Date

**IRRIGATION
 DETAILS**

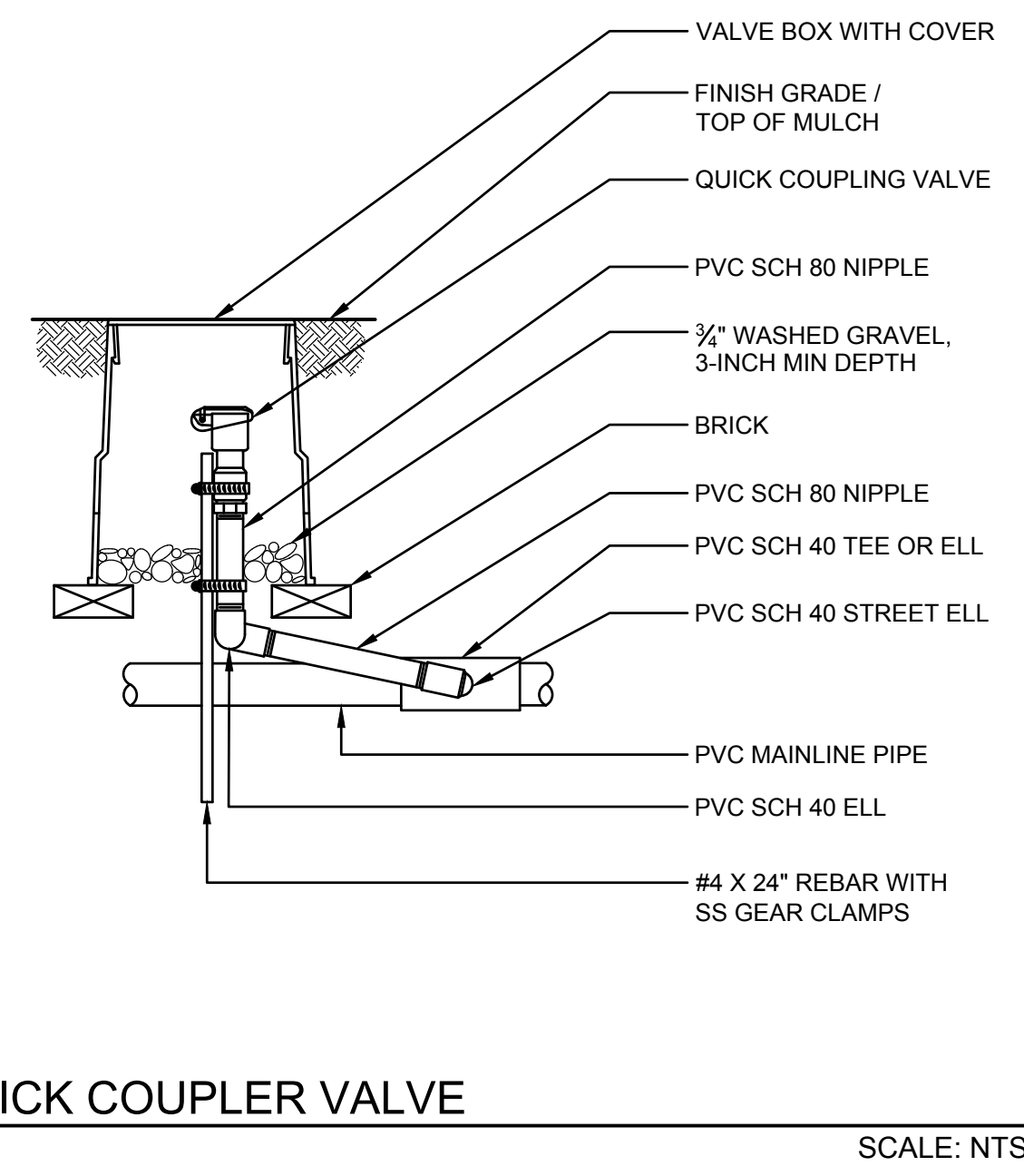
SHEET

L5.11

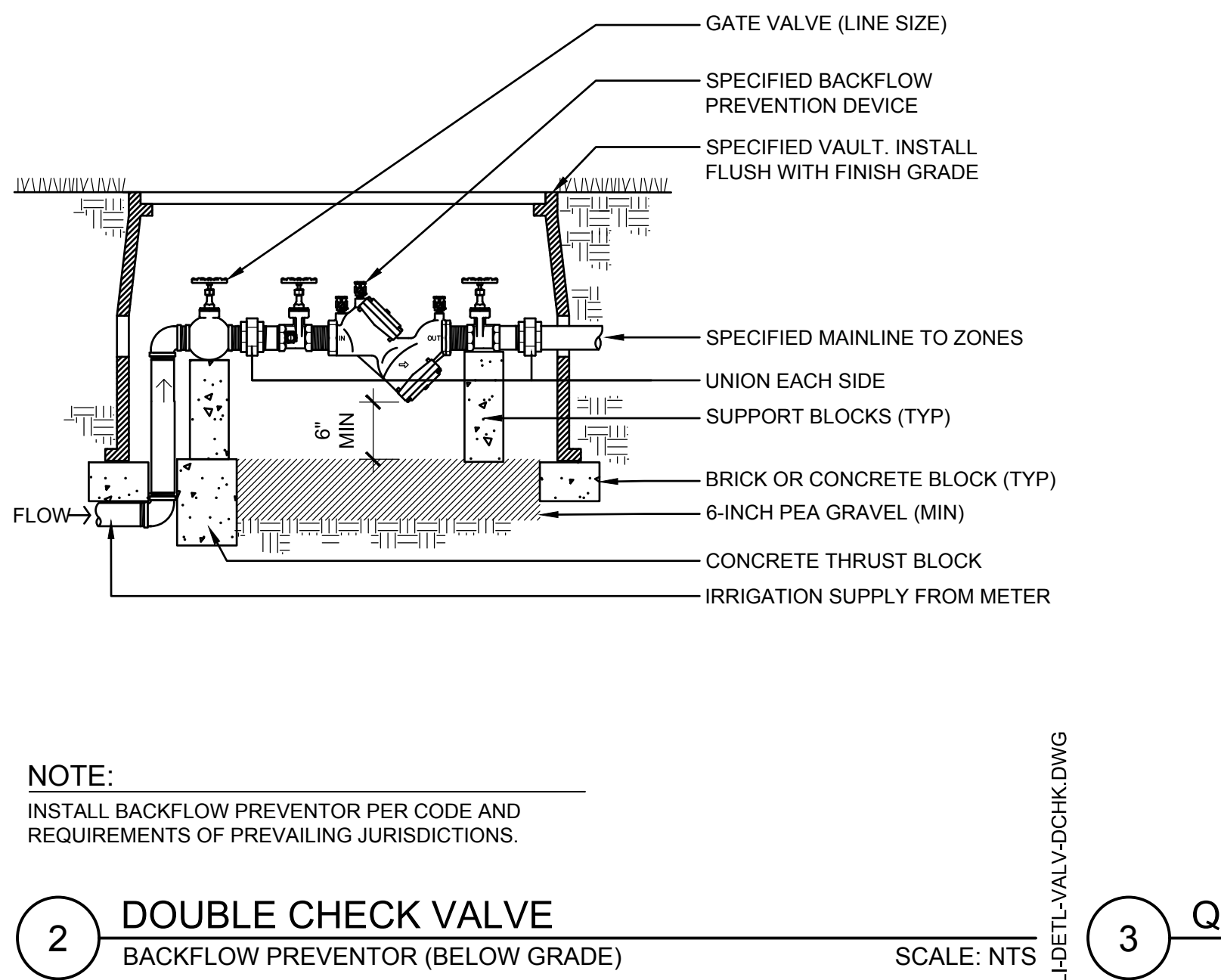
JOB NO. **2200502.00**



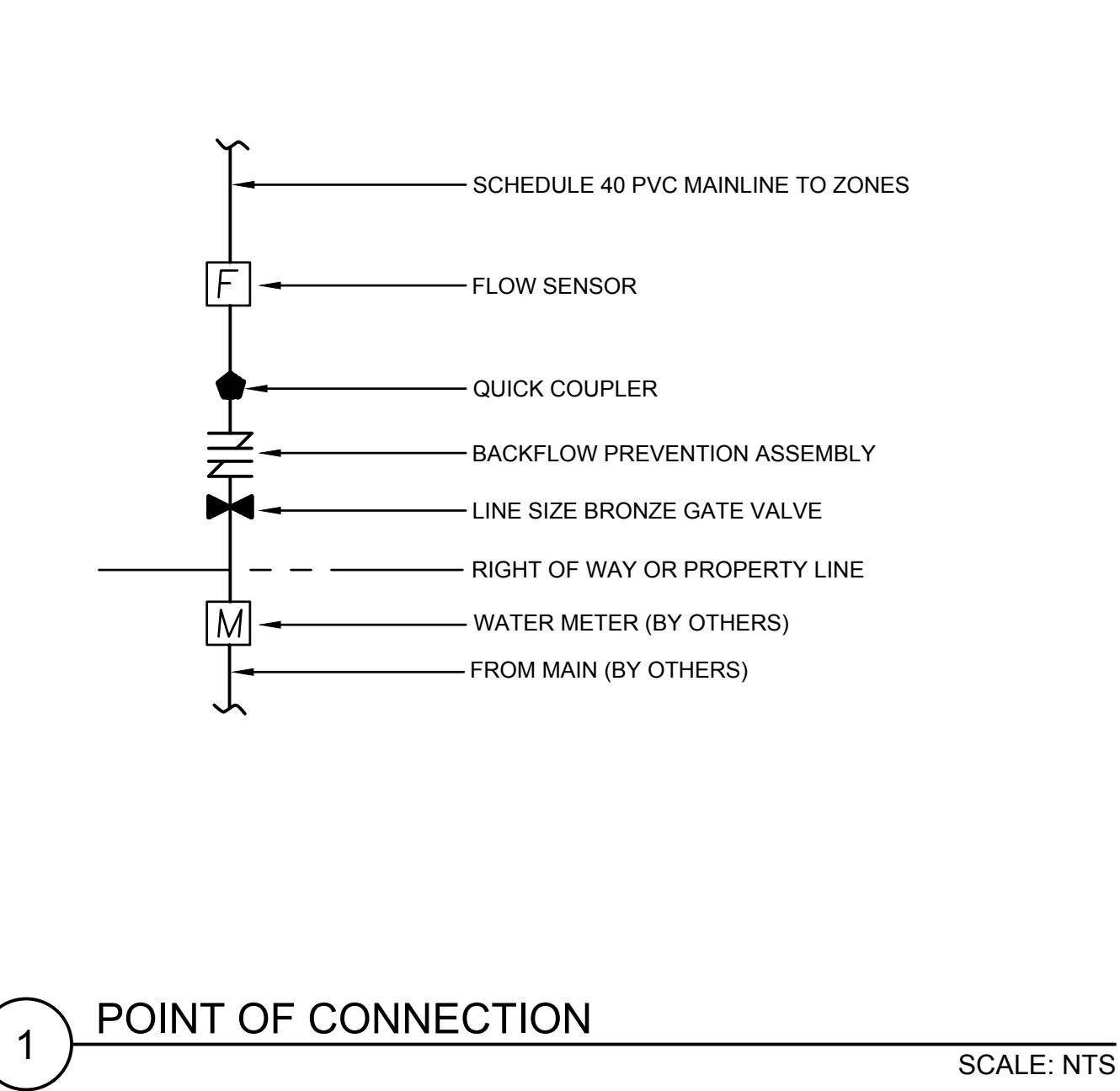
4 ISOLATION / GATE VALVE
 SCALE: NTS



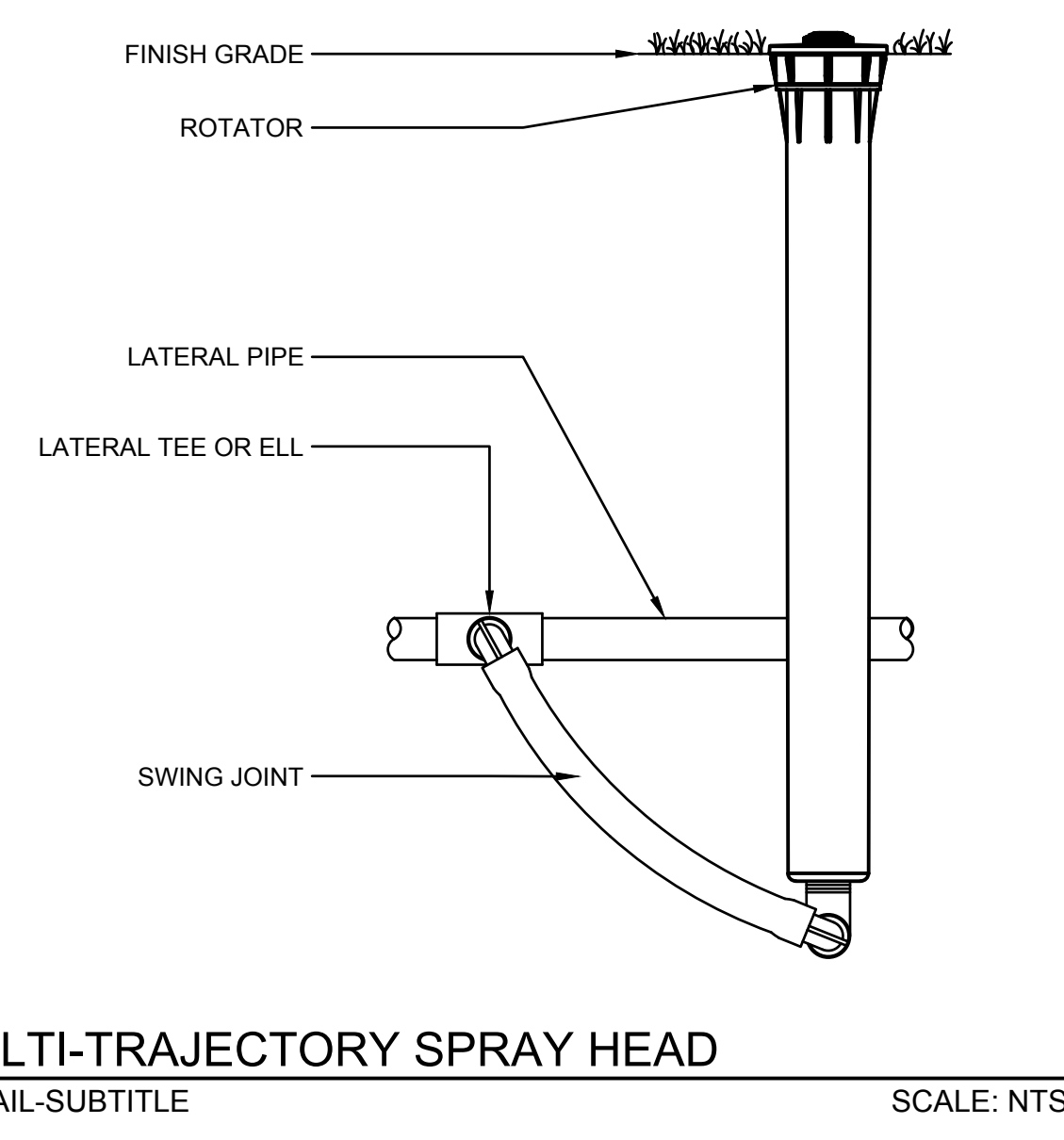
3 QUICK COUPLER VALVE
 SCALE: NTS



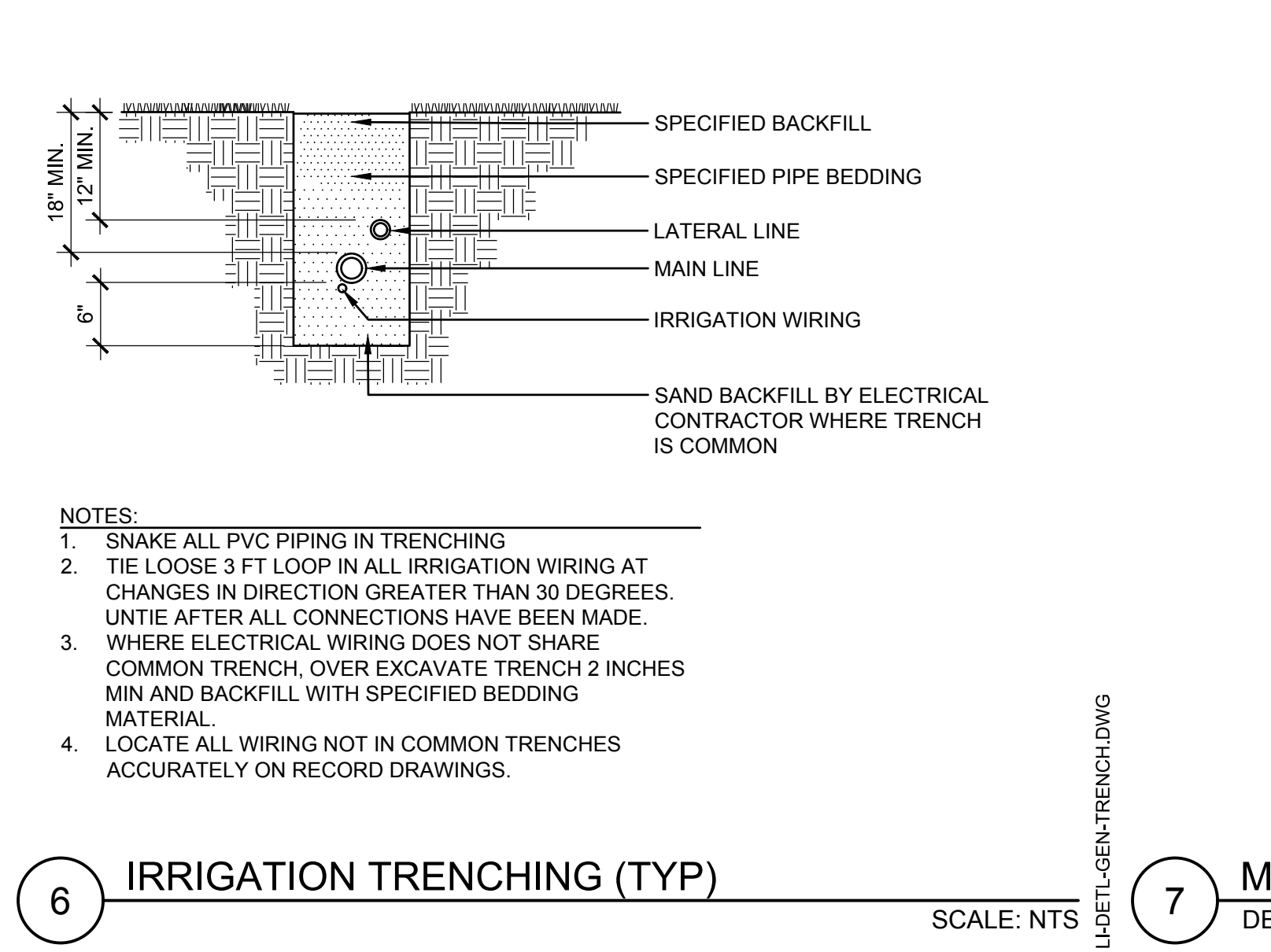
**2 DOUBLE CHECK VALVE
 BACKFLOW PREVENTOR (BELOW GRADE)**
 SCALE: NTS



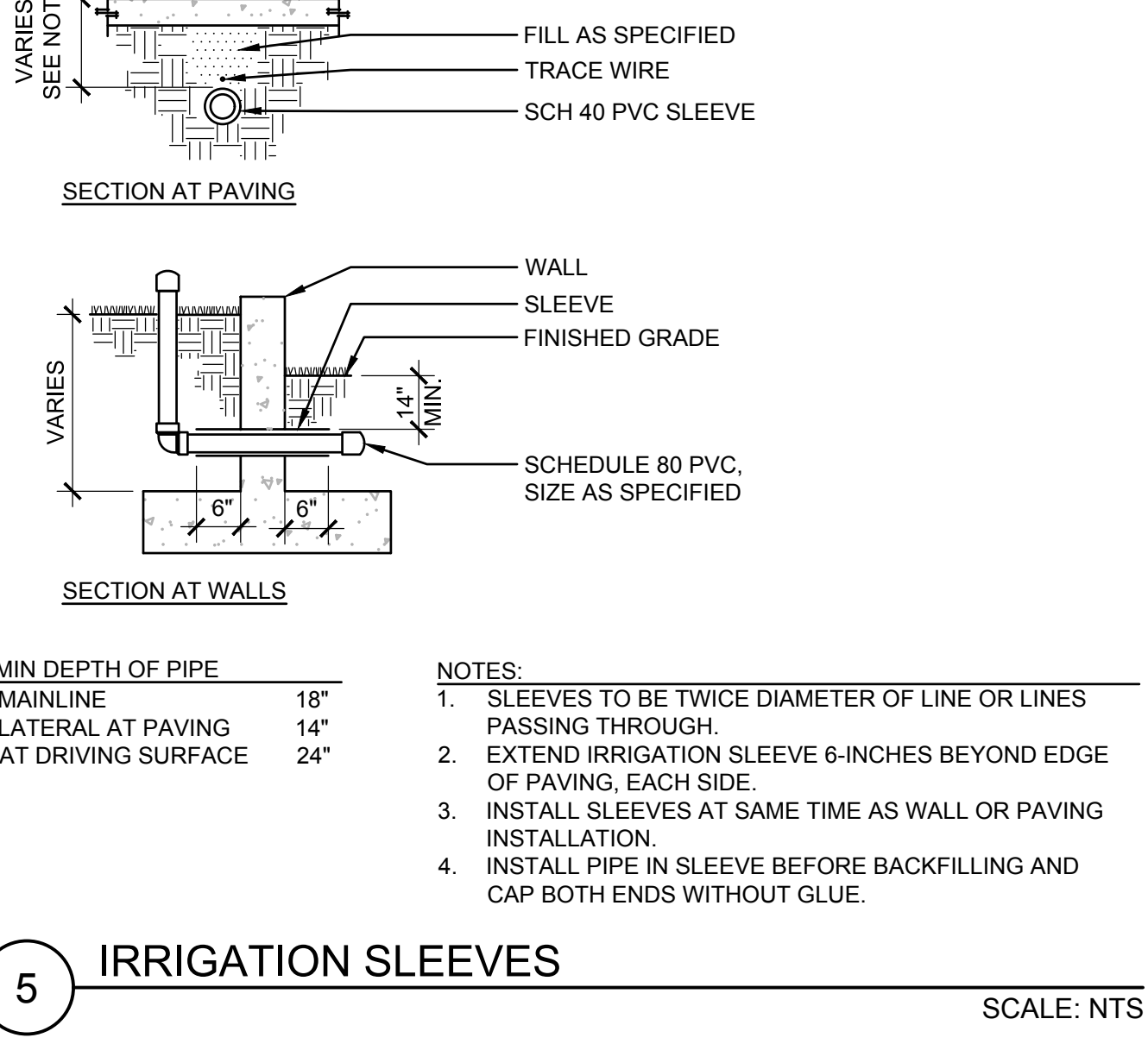
1 POINT OF CONNECTION
 SCALE: NTS



7 MULTI-TRAJECTORY SPRAY HEAD
 SCALE: NTS



6 IRRIGATION TRENCHING (TYP)
 SCALE: NTS



5 IRRIGATION SLEEVES
 SCALE: NTS



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REVISION SCHEDULE		
Delta	Issued As	Issue Date

SHEET TITLE:
**PARTITION
TYPES**

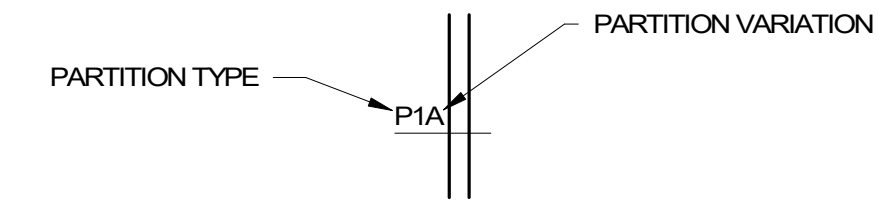
SHEET

A0.02

JOB NO. **2200502.00**

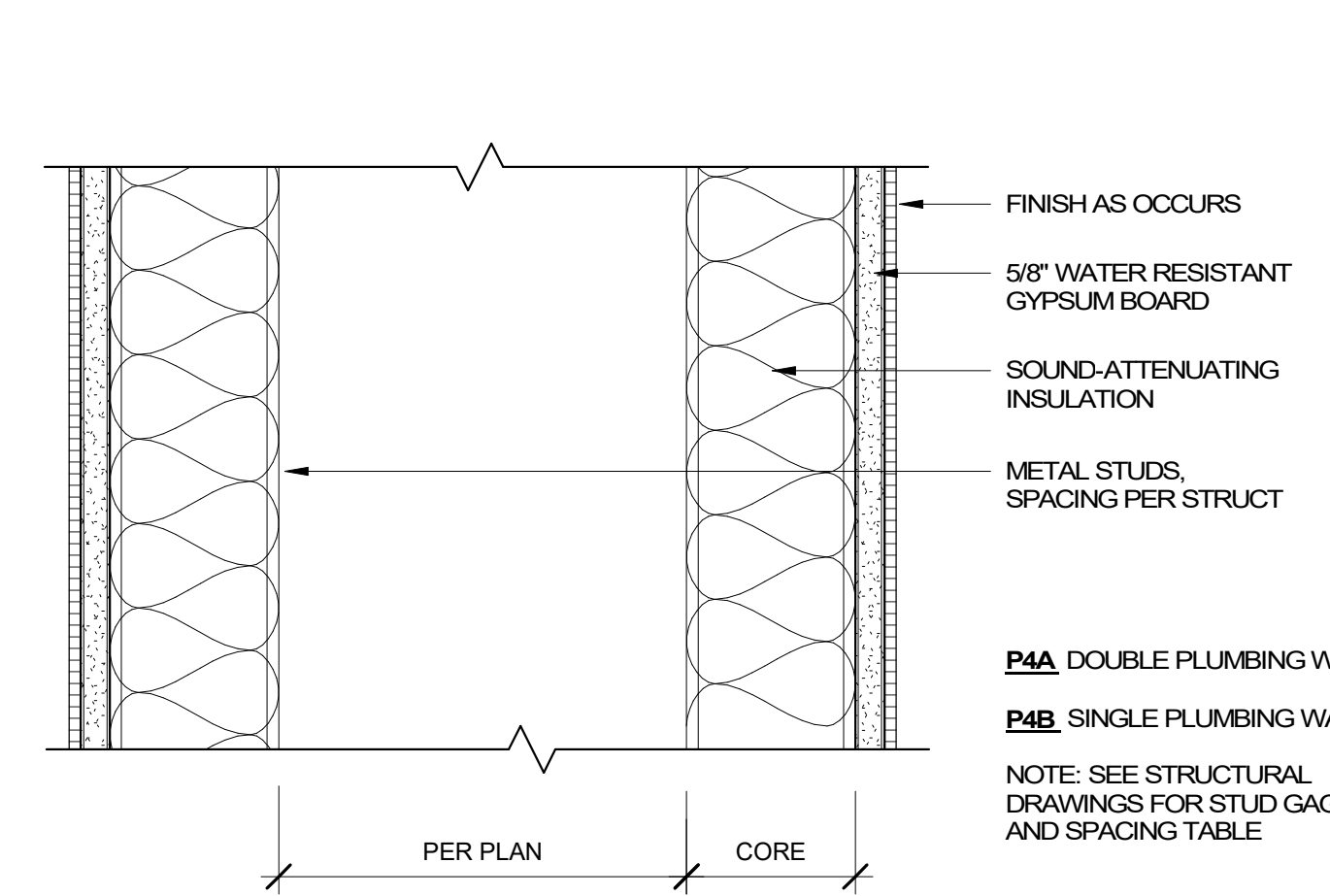
PARTITION TYPES

PARTITION TYPES ARE REFERENCED ON PLANS AND IN DETAILS AS FOLLOWS:
PARTITION TYPE: (P1, P2, P3...) GENERAL DESCRIPTION AND PURPOSE
PARTITION VARIATION: (A, B, C...) DETAILED DESCRIPTION OF ASSEMBLY

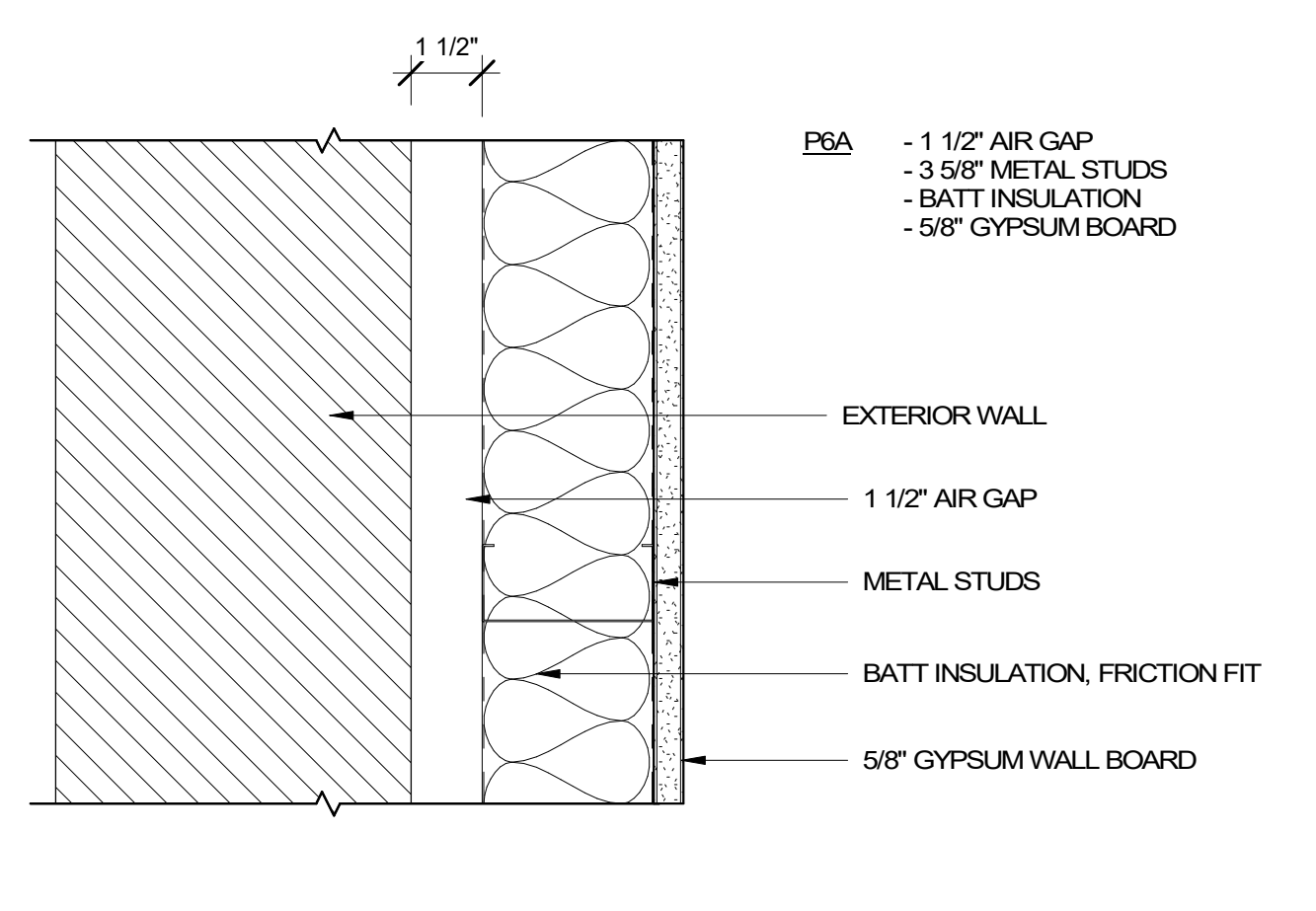


PARTITION NOTES

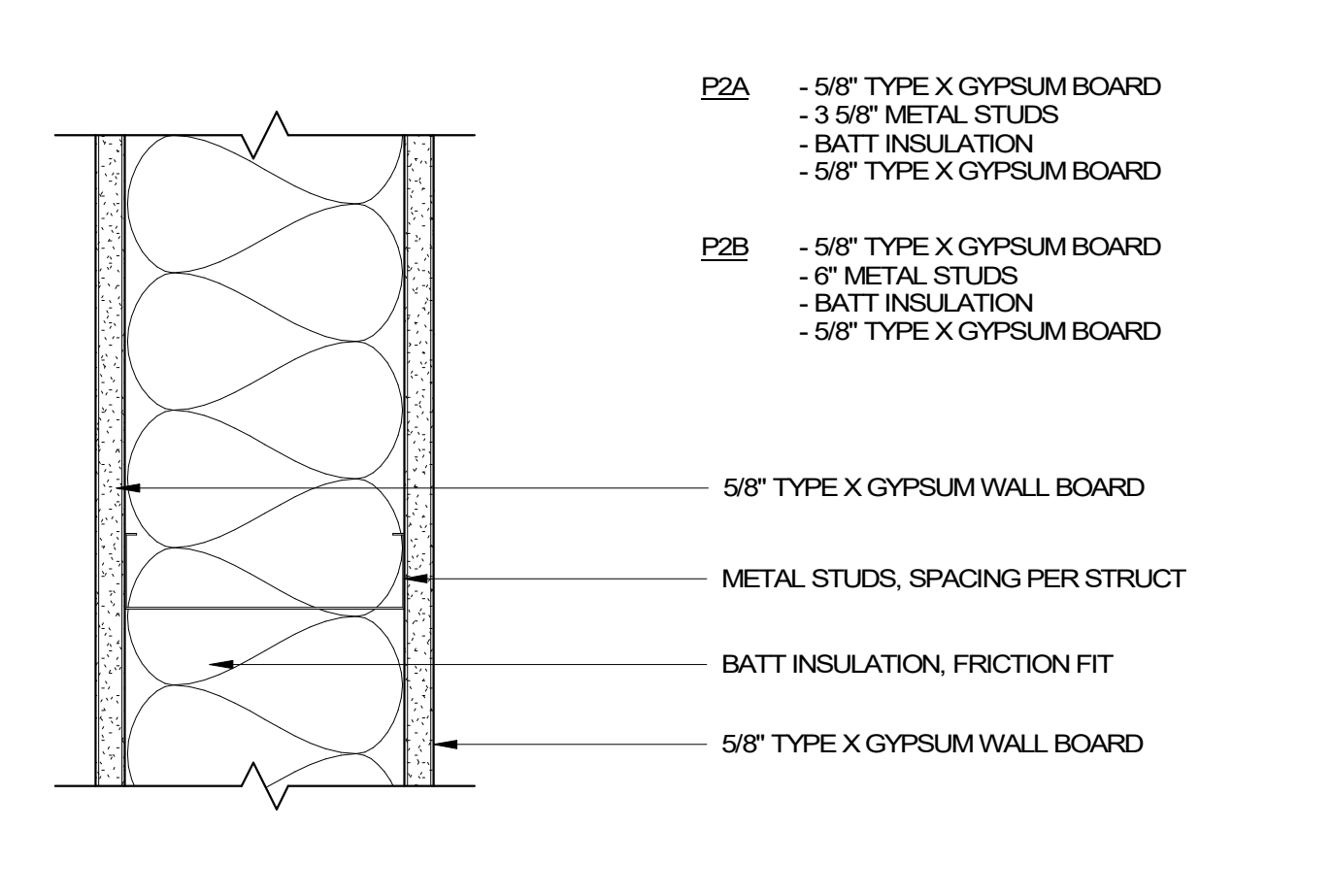
- PROVIDE METAL STUD GAUGE TO ACCOMMODATE PARTITION HEIGHT AND MAXIMUM DEFLECTION OF L/240 IN ACCORDANCE WITH MSMA (METAL STUD MANUFACTURER'S ASSOCIATION) LOAD TABLES. (SEE STRUCTURAL DRAWINGS FOR STUD GAUGE AND SPACING TABLE)
- ALL WALLS ARE FULL HEIGHT (TO THE BOTTOM OF DECK OR STRUCTURE ABOVE) UNLESS NOTED OTHERWISE. SEE REFLECTED CEILING PLANS FOR MORE INFORMATION.
- ALL RATED PARTITIONS SHALL EXTEND FROM FLOOR SLAB TO STRUCTURE ABOVE. PROVIDE RATED PENETRATIONS AS REQUIRED. REFER TO PLANS FOR EXTENTS.
- (PER SPEC) PLACE CONTROL JOINTS CONSISTENT WITH LINES OF BUILDING SPACES AND AS INDICATED, NOT MORE THAN 30 FEET APART ON WALLS AND CEILING OVER 50 FEET LONG. AT EXTERIOR SOFFITS, NOT MORE THAN 30 FEET APART IN BOTH DIRECTIONS.
- ALL WALLS WITH CERAMIC TILE, WAINSCOT W/ PLYWOOD SUBSTRATE OR MIRROR SHALL USE MIN. 33 MIL STUDS.
- TERMINATE BARRIER AND ANTI-FRACTURE MEMBRANE 2" BELOW TOP OF TILE WAINSCOT AS OCCURS.
- REFER TO SPECIFICATIONS FOR WATERPROOF MEMBRANE, THINSET, AND GROUT REQUIREMENTS.
- TILE INSTALLATION TO COMPLY W/ TCA HANDBOOK GUIDELINES SEE SHEET A8.7. HORIZ. CJ @ B/STRUCTURE



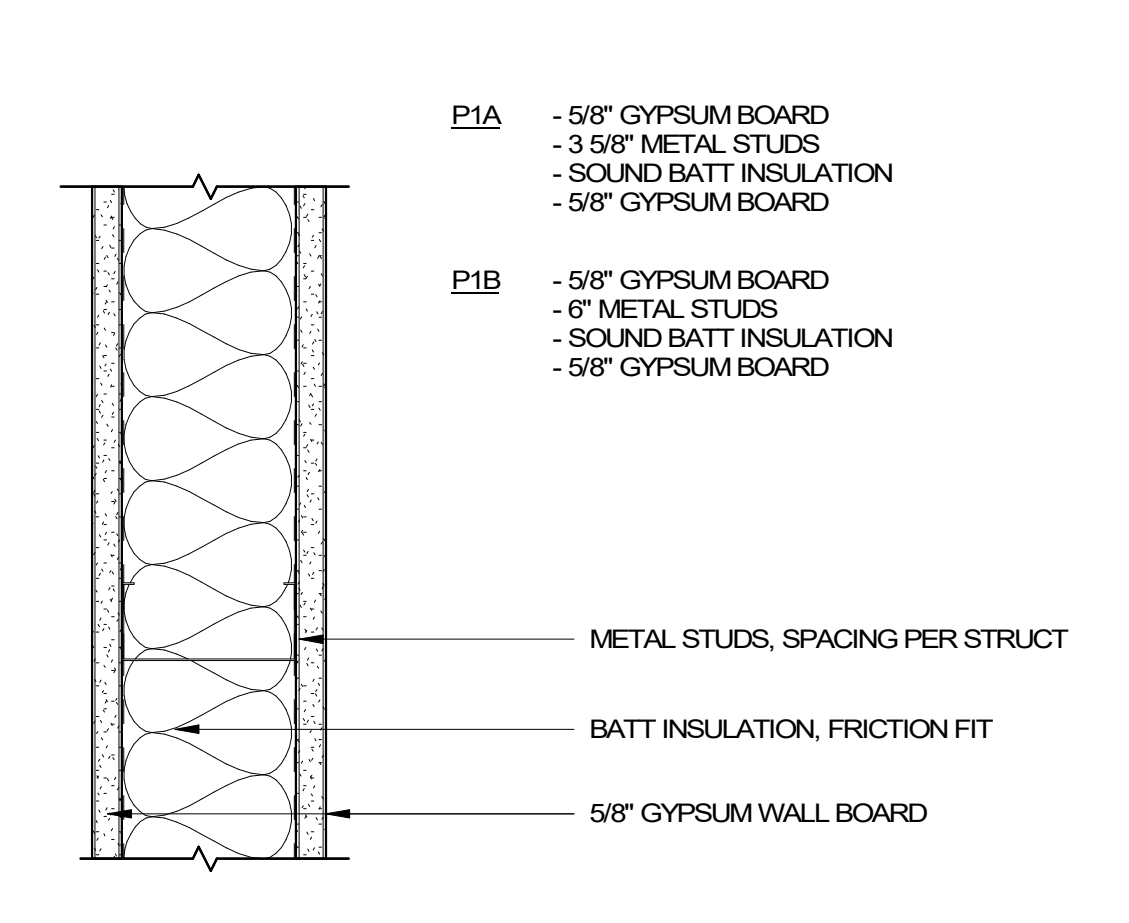
4 PLUMBING WALL
3" = 1'-0"



3 INSULATED FURRING WALL
3" = 1'-0"

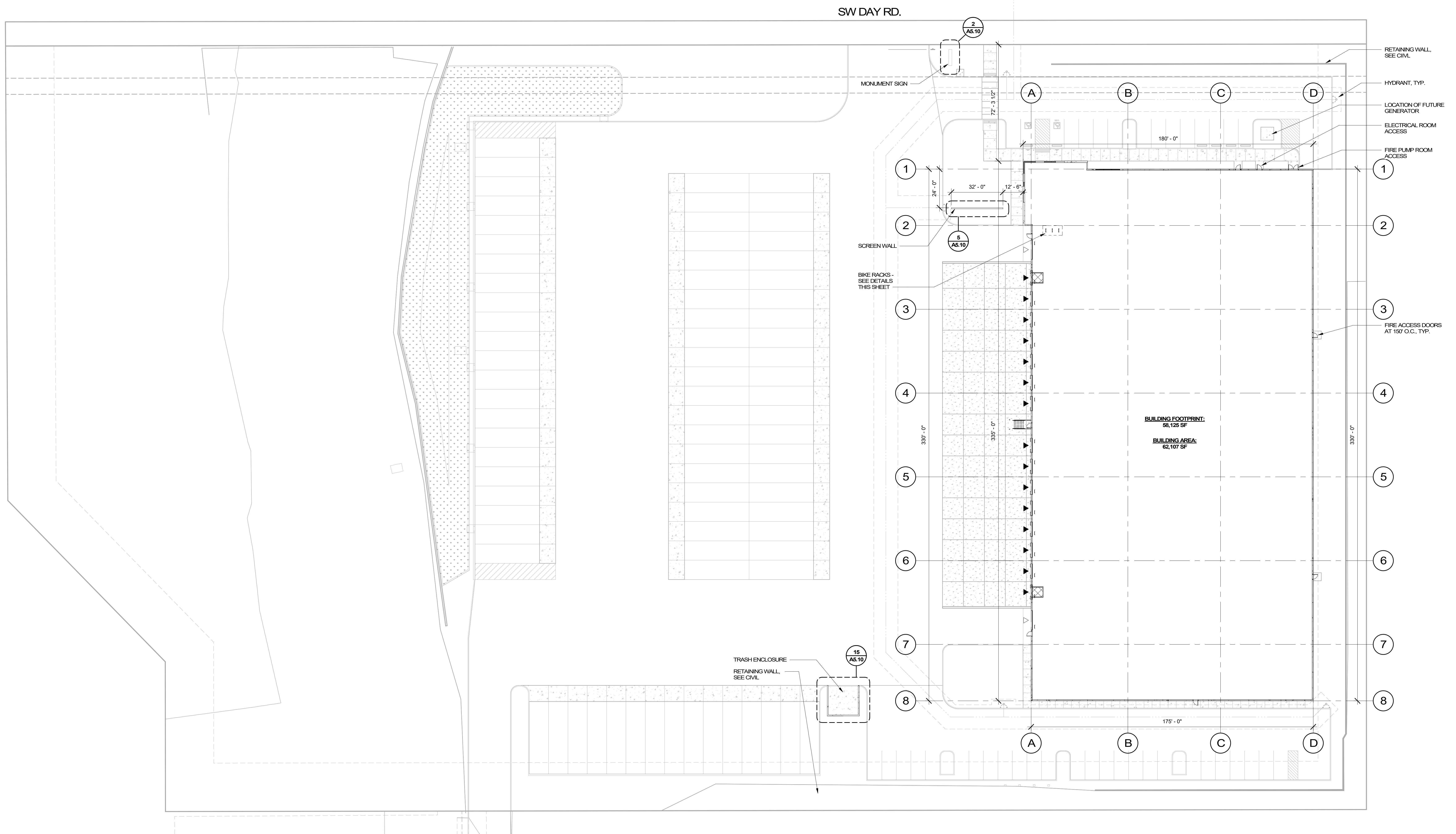


2 (1) HR RATED WALL
3" = 1'-0"

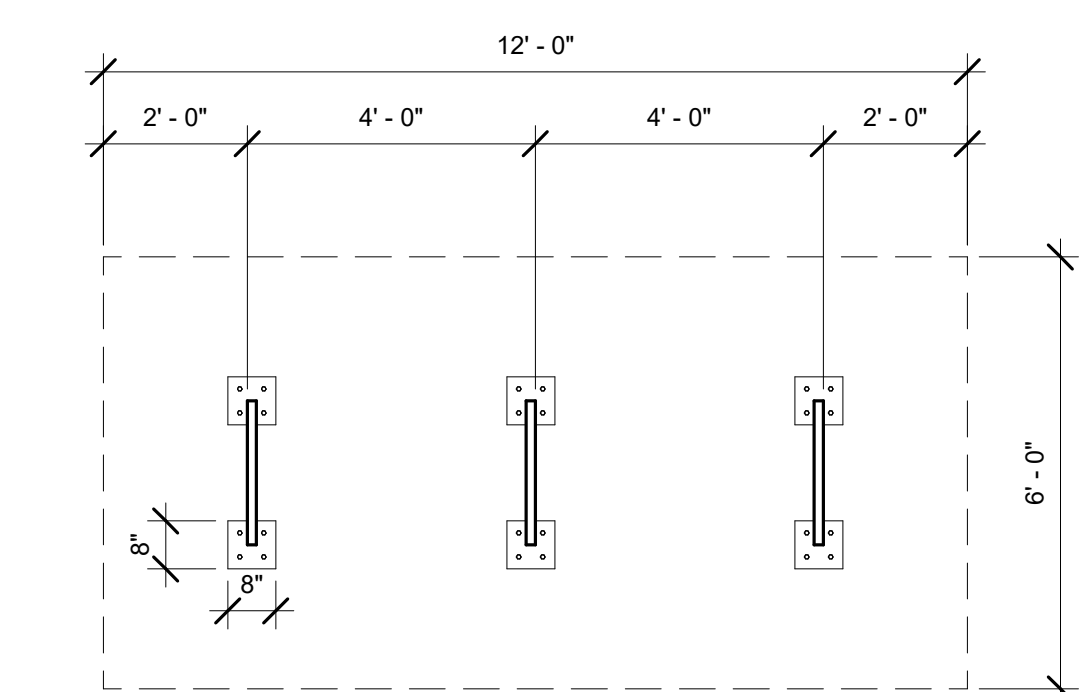


1 METAL STUD WALL
3" = 1'-0"

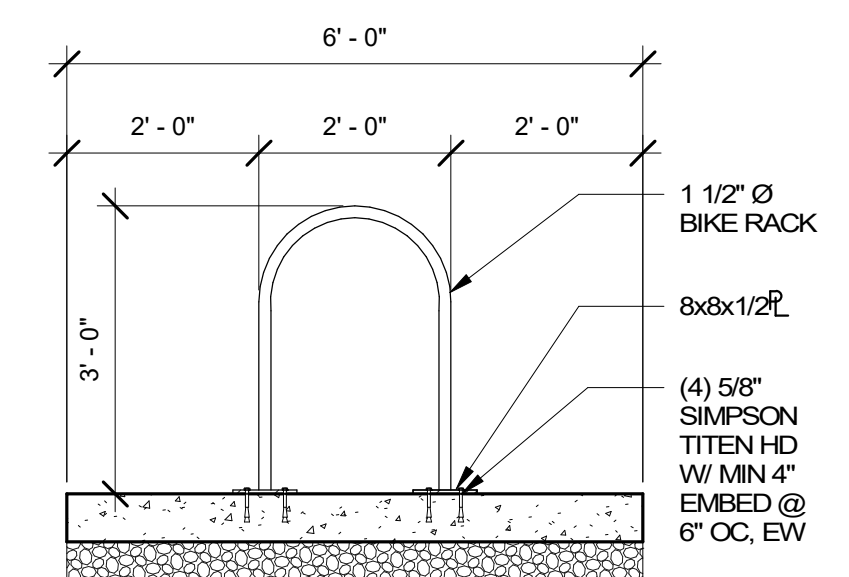
Delta	Issued As	Issue Date
A	REV 1	7/26/22



1 SITE PLAN
A0.09 1:300



2 BIKE RACK PLAN
A0.09 3/8" = 1'-0"



3 BIKE RACKS ELEVATION
A0.09 1/2" = 1'-0"

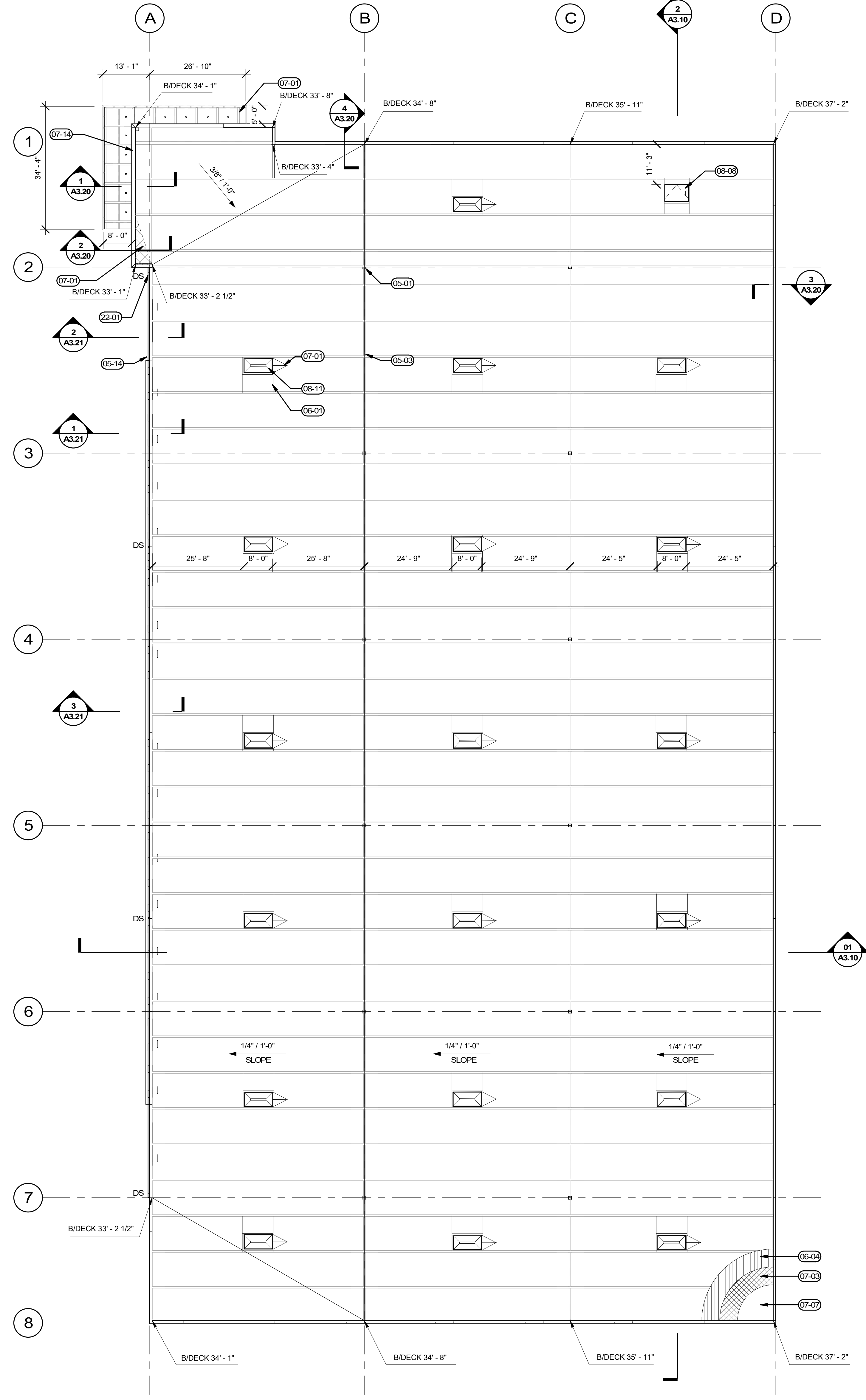
REVISION SCHEDULE		
Delta	Issued As	Issue Date

SHEET TITLE:
**OVERALL
FLOOR &
ROOF PLANS**

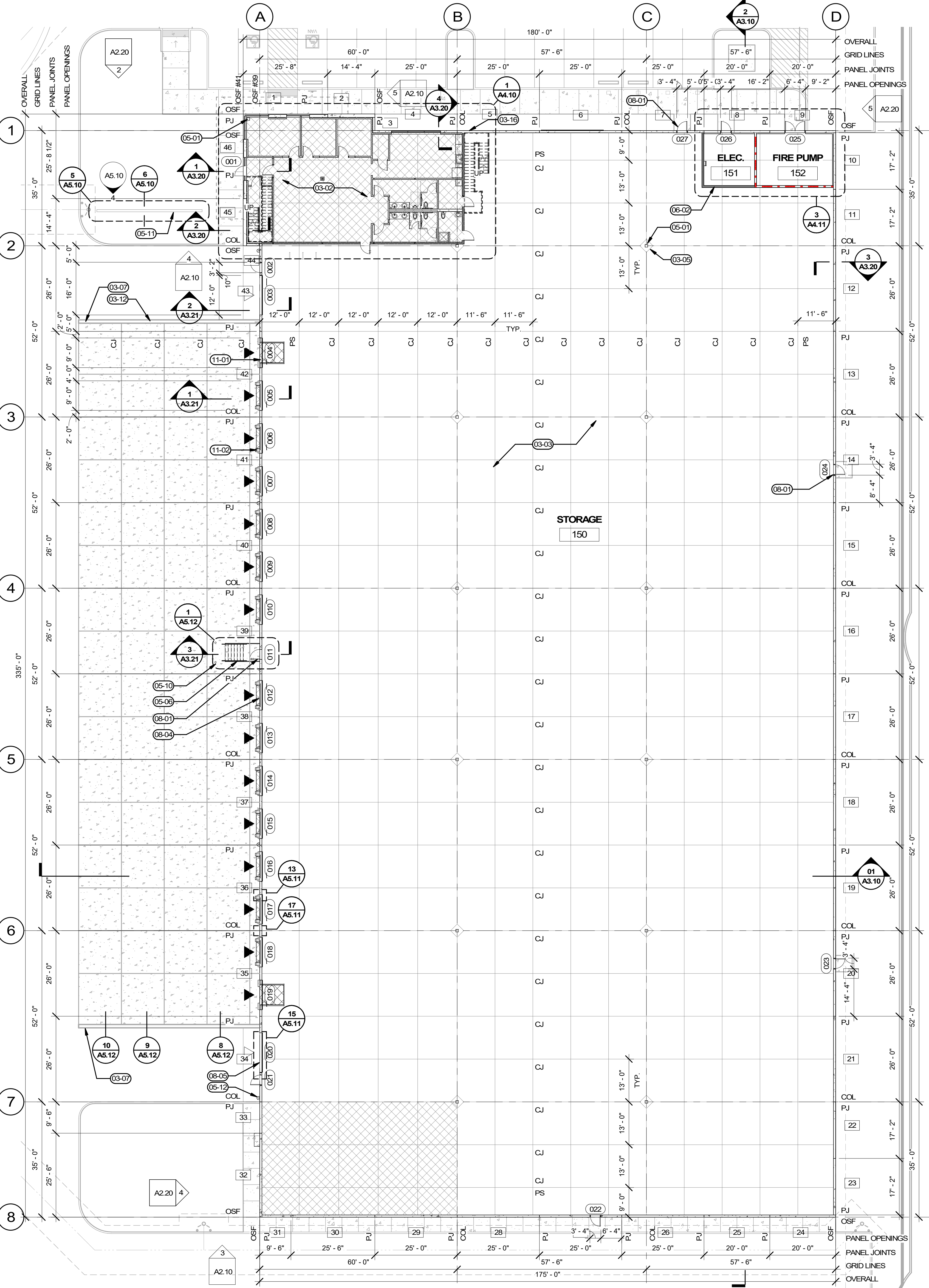
SHEET

A1.10

JOB NO. **2200502.00**



2 OVERALL ROOF PLAN
1/16" = 1'-0"



1 OVERALL FLOOR PLAN
1/16" = 1'-0"

PROJECT INFORMATION

BUILDING AREA: 98,125 SF
CLEAR HEIGHT: 30' CLEAR
DOCK DOORS: 15 POSITIONS
DRIVE IN DOORS: 2 POSITIONS

WALL TYPES

CONCRETE TILT-PANEL - SEE STRUCTURAL ELEVATIONS FOR THICKNESSES
1HR RATED WALL PER 11/A5.20
FULL HEIGHT WALL PER 12/A5.20
STICK-PIN INSULATION 10/A5.20
INTERIOR PARTITION PER 13/15/A5.20

GENERAL NOTES - ARCH

- A. VERIFY AND CONFIRM ALL DIMENSIONS AND CONDITIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.
- B. SEE STRUCTURAL FOR ADDITIONAL INFORMATION. SEE DETAIL 4/A5.11 FOR SLAB JOINT DETAILS.
- C. INSTALL DOOR ARMOR PER 14/A5.11 AT ALL GRADE ACCESS AND DOCK-HIGH OVERHEAD DOORS.
- D. CALK FLOOR JOINT PER DETAIL 18/A5.11.
- E. CALK DOOR APRON JOINTS PER DETAIL 13/A5.12.
- F. SITE IS SHOWN FOR REFERENCE ONLY. SEE CIVIL. SEE ELEVATIONS AND STRUCTURAL FOR ADDITIONAL INFORMATION FOR FUTURE OPENINGS.
- G. PROVIDE DOWNSPOUT GUARDS AT ALL LOCATION ALONG BUILDING SOUTH FACE. SEE DETAIL 17/A5.11.
- H. PROVIDE SIGNAGE AS REQUIRED BY LOCAL JURISDICTION, FIRE MARSHAL AND EMERGENCY SERVICES.
- J. SEE DETAIL XXXX FOR DOOR LANDINGS AS OCCUR PER CIVIL.
- K. PROVIDE DOCK DOOR BUMPERS AT ALL 9'X10' DOCK DOORS.

GENERAL NOTES - ROOF

- A. VERIFY AND CONFIRM ALL DIMENSIONS AND CONDITIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.
- B. ALL ROOF ELEVATION SHOWN AT DISTANCE ABOVE FINISH FLOOR AND BASED ON FINISH FLOOR ELEVATION OF 17.07.
- C. PROVIDE 30'-0" CLEAR MINIMUM TO ALL STRUCTURAL MEMBERS, ELECTRICAL FIXTURES, MECHANICAL UNITS AND FIRE SPRINKLER LINES. SEE BUILDING SECTIONS.
- D. PROVIDE FRAMING FOR ROOF ACCESSORIES (SKYLIGHTS, ROOF HATCH AND MECHANICAL) AS REQUIRED IN ACCORDANCE WITH STRUCTURAL.
- E. ROOF STRUCTURE SHOWN FOR REFERENCE ONLY. SEE STRUCTURAL.
- F. SEE DETAIL XXXX FOR PIPE PENETRATION.
- G. SEE DETAIL XXXX FOR MECHANICAL UNIT CURBING INSTALLATION.
- H. SEE DETAIL XXXX FOR TYPICAL ROOF ASSEMBLY.
- I. MAINTAIN 1/4" MIN SLOPE THROUGHOUT ROOF.
- J. ALL ROOF ELEVATIONS ARE TO BOTTOM OF DECK UNLESS NOTED OTHERWISE.
- K. BUILDING IS DESIGNED WITH AN ESFR SPRINKLERED SYSTEM FOR CLASS HV NON ENCAPSULATED COMMODITIES PER NFPA 13. SEE FIRE PROTECTION SPECIFICATIONS, FIRE PUMP IS PROPOSED.
- L. CONTRACTOR TO PROVIDE COVERS, ENCLOSURES AND/OR SEALANTS AT ALL ROOF PENETRATIONS, PIPES, CURBS DUCTS, AND CONNECTIONS. GC TO COORDINATE WITH MEP DESIGN BUILD DISCIPLINES.
- M. PROVIDE SPLASH BLOCKS AT DOWNSPOUTS OF ALL ROOF ACCESSORY STRUCTURES.

SYMBOLS LEGEND

- CONTROL JOINT
- CONSTRUCTION JOINT
- PANEL JOINT
- DOWNSPOUT
- POLUR STRIP
- DOCK OVERHEAD DOOR
- DOCK DRIVE-IN DOOR
- PANEL NUMBER, SEE STRUCTURAL
- UNDERSLAB VAPOR BARRIER

KEYNOTES

- 03-02 UNDERSLAB VAPOR BARRIER, EXTENTS PER HATCHED AREA, SEE SPECIFICATIONS
- 03-03 6" CONCRETE SLAB ON GRADE, SEE STRUCTURAL
- 03-05 CONCRETE COLUMN BLOCKOUT, SEE STRUCTURAL
- 03-07 MOUNTABLE CONCRETE CURBS AT FINAL 5'-0" OF RETAINING WALL
- 03-12 CONCRETE RETAINING WALL WITH MOUNTABLE CURB, SEE DETAILS 7-11/A5.12
- 03-16 TILT-UP CONCRETE PANEL, SEE STRUCTURAL
- 05-01 HSS COLUMN, SEE STRUCTURAL
- 05-03 STEEL GIRDER, SEE STRUCTURAL
- 05-06 STEEL ACCESS STAIRS, SEE DETAILS 1-4/A5.12
- 05-10 STEEL BOLLARD, SEE DETAIL 8/A5.12
- 05-11 PERFORATED ARCHITECTURAL METAL PANEL SCREENING WALL FASTENED TO HSS FRAME PER STRUCT, SEE DETAILS 4-6/A5.10
- 05-12 DOWNSPOUT GUARD, SEE DETAIL 17/A5.11
- 05-14 SHEET METAL GUTTER TO MATCH PARAPET COPING, SEE DETAIL 11/A5.13

- 06-01 FRAMING AT ALL ROOF HATCHES, SKYLIGHTS AND ACCESSORIES PER DETAILS, SEE STRUCTURAL
- 06-02 RATED WALL - SEE WALL TYPE LEGEND, EXTENDED TO UNDERSIDE OF ROOF DECK ABOVE
- 06-04 WOOD ROOF DECK PER STRUCT
- 07-01 CRICKET AS REQUIRED FOR MIN 1/4" PER FOOT SLOPE, SEE DETAIL 8/A5.13
- 07-03 RIGID INSULATION, SEE TYPICAL ROOF ASSEMBLY 3/A3.10
- 07-07 ROOF MEMBRANE, SEE TYPICAL ROOF ASSEMBLY 3/A3.10
- 07-14 SHEET METAL PARAPET FLASHING, SEE DETAIL 1/A5.13
- 08-01 INSULATED HM PERSONNEL DOOR, PAINT PER ELEVATIONS, SEE DOOR SCHEDULE
- 08-04 9'-0" X 10'-0" OHD INSULATED HIGH-LIFT DOCK DOOR, PAINT P-1, SEE DOOR SCHEDULE
- 08-05 12'-0" X 14'-0" OHD INSULATED DRIVE-IN DOOR WITH 3'-0" X 7'-0" PERSONNEL DOOR, PAINT P-1, WITH 1" INSULATED TRANSOM WINDOW ABOVE, SEE DOOR SCHEDULE
- 08-08 ROOF ACCESS, SEE DETAILS 14-15/A5.13

- 08-11 4'X8' SKYLIGHT WITH BURGLAR BAR. PROVIDE CRICKET AT HIGH SIDE W/ 1/2" MIN SLOPE. SEE DETAIL 3/A5.13. COORDINATE LAYOUT WITH SPRINKLER CONTRACTOR.
- 11-01 DOCK PIT LEVELER. SEE SPECIFICATION & 8/A5.20 FOR PIT DETAIL.
- 11-02 EDGE OF DOCK LEVELER. SEE SPECIFICATIONS.
- 22-01 6" DIAMETER DOWNSPOUT, SEE DETAIL XXXX. PAINT TO MATCH BACKGROUND COLOR. SEE ELEVATIONS.

REVISION SCHEDULE

Delta	Issued As	Issue Date
A	REV 1	7/26/22

SHEET TITLE:
BUILDING ELEVATIONS

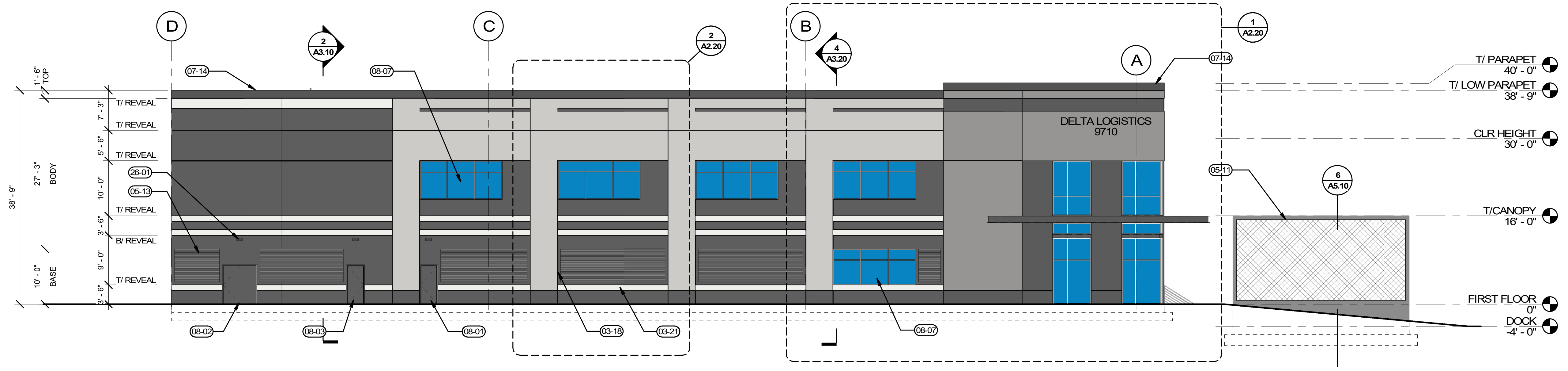
SHEET

A2.10

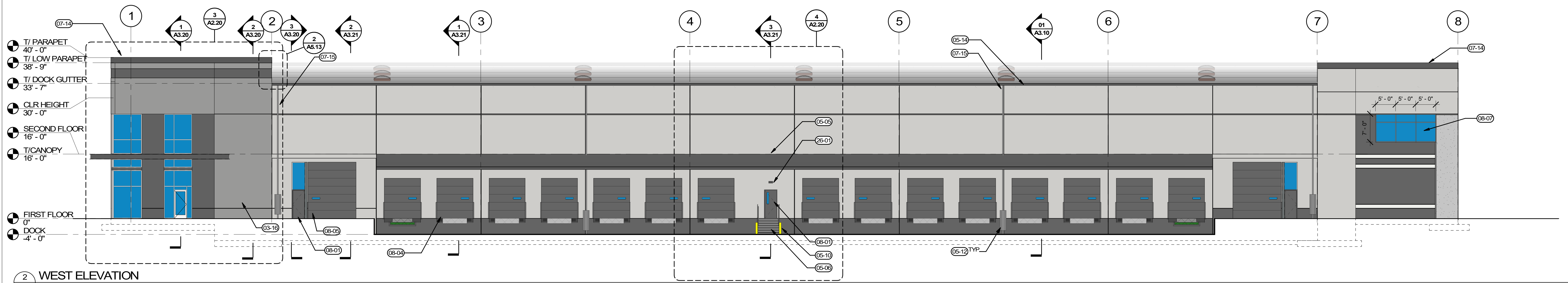
JOB NO. **2200502.00**

KEYNOTES

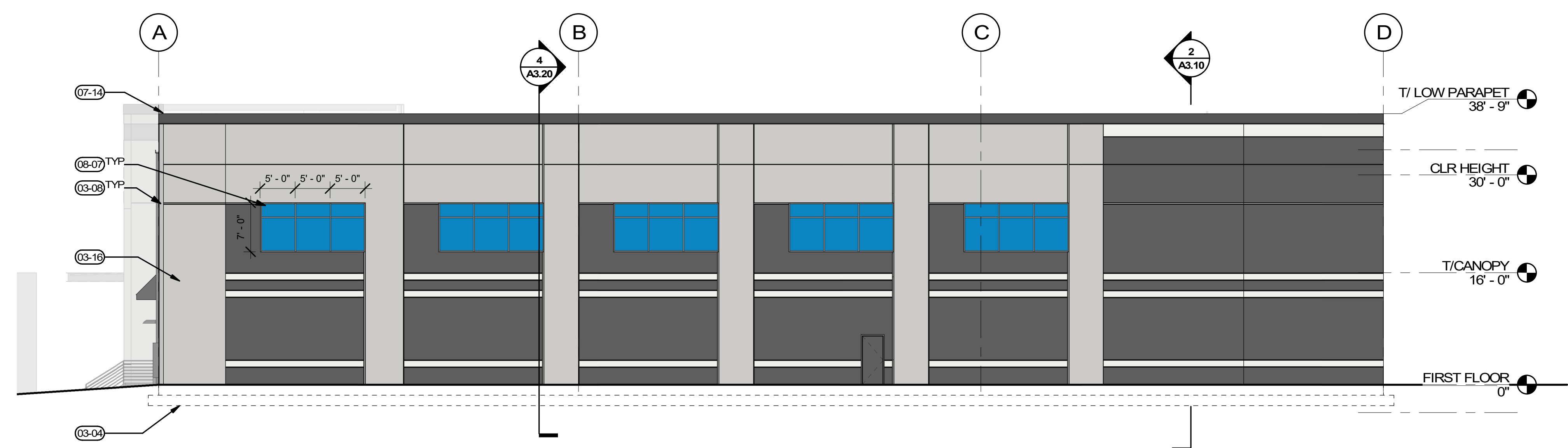
- 03-04 CONCRETE FOOTING. SEE STRUCTURAL.
- 03-08 WRAP REVEALS AROUND EDGE OF CONCRETE PANEL.
- 03-16 TILT-UP CONCRETE PANEL. SEE STRUCTURAL
- 03-18 1" REVEAL "A", SEE DETAIL S/A5.11
- 03-21 12" REVEAL W/ 1/2" DEPTH. SEE DETAIL S/A5.11
- 05-05 CONTINUOUS GFS DOCK CANOPY WITH SHEET METAL ROOF. SEE DETAIL 7/A5.13
- 05-06 STEEL ACCESS STAIRS. SEE DETAILS 1-4/A5.12
- 05-10 STEEL BOLLARD. SEE DETAIL 6/A5.12
- 05-11 PERFORATED ARCHITECTURAL METAL PANEL SCREENING WALL FASTENED TO HSS FRAME PER STRUCT. SEE DETAILS 4-6/A5.10
- 05-12 DOWNSPOUT GUARD. SEE DETAIL 17/A5.11
- 05-13 PERFORATED ARCHITECTURAL METAL PANELS FASTENED TO CONCRETE WALLS WITH VERT. HAT CHANNELS. SEE DETAIL 7/A5.10
- 05-14 SHEET METAL PARAPET FLASHING. SEE DETAIL 1/A5.13
- 07-14 DOWNSPOUT. SEE DETAIL XXXX
- 07-15 INSULATED HM PERSONNEL DOOR. PAINT PER ELEVATIONS. SEE DOOR SCHEDULE
- 08-01 INSULATED HM PERSONNEL DOOR AT ELECTRICAL ROOM. PAINT PER ELEVATIONS. SEE DOOR SCHEDULE
- 08-02 INSULATED DOUBLE HM PERSONNEL DOOR. PAINT PER ELEVATIONS. SEE DOOR SCHEDULE
- 08-03 INSULATED HM PERSONNEL DOOR AT ELECTRICAL ROOM. PAINT PER ELEVATIONS. SEE DOOR SCHEDULE
- 08-04 9'-0" X 10'-0" OHD INSULATED HIGH-LIFT DOCK DOOR. PAINT P-1. SEE DOOR SCHEDULE
- 08-05 12'-0" X 14'-0" OHD INSULATED DRIVE-IN DOOR WITH 3'-0" X 7'-0" PERSONNEL DOOR. PAINT P-1, WITH 1" INSULATED TRANSOM WINDOW ABOVE. SEE DOOR SCHEDULE
- 08-07 STOREFRONT WINDOW. SEE DETAILS 1-3/A5.20
- 26-01 EXTERIOR LIGHT. DESIGN-BUILD ELECTRICAL TO VERIFY ALL REQUIREMENTS. COORDINATE WITH A/E IF LOCATIONS ARE TO CHANGE. SEE CIVIL FOR ADDITIONAL INFORMATION. SHOE BOX STYLE. DARK ANODIZED FINISH AND FULL CUT OFF.



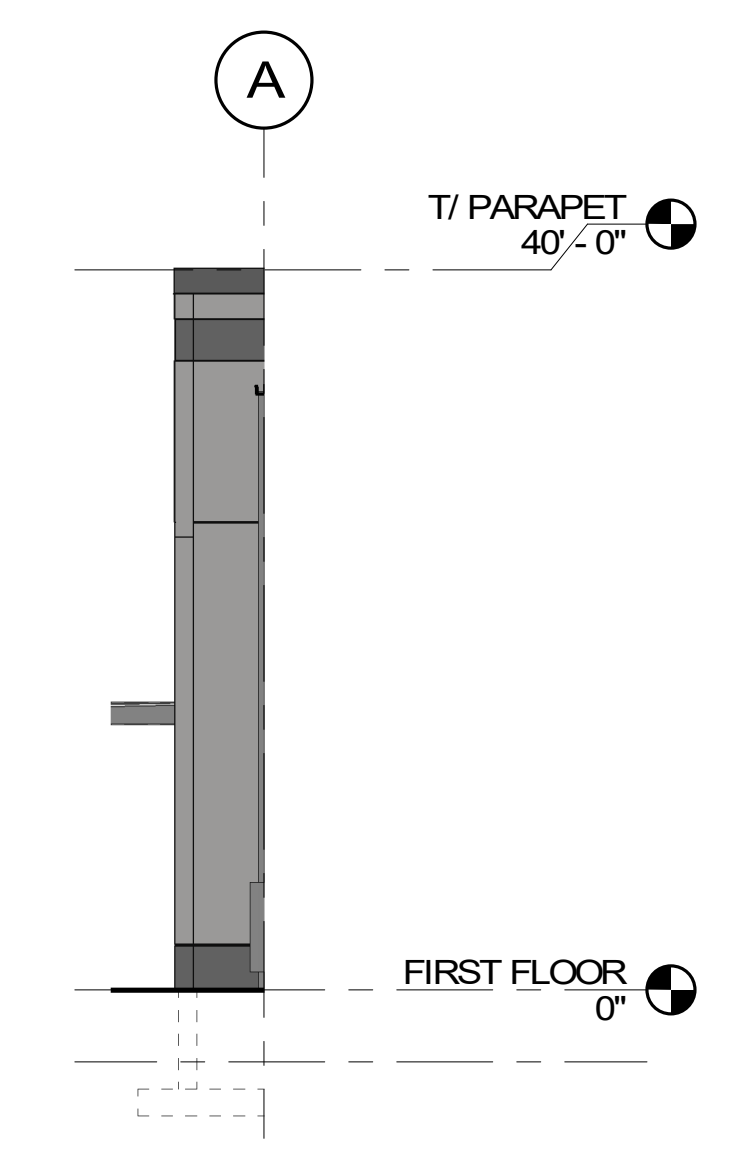
1 NORTH ELEVATION
A2.10 / 3/32" = 1'-0"



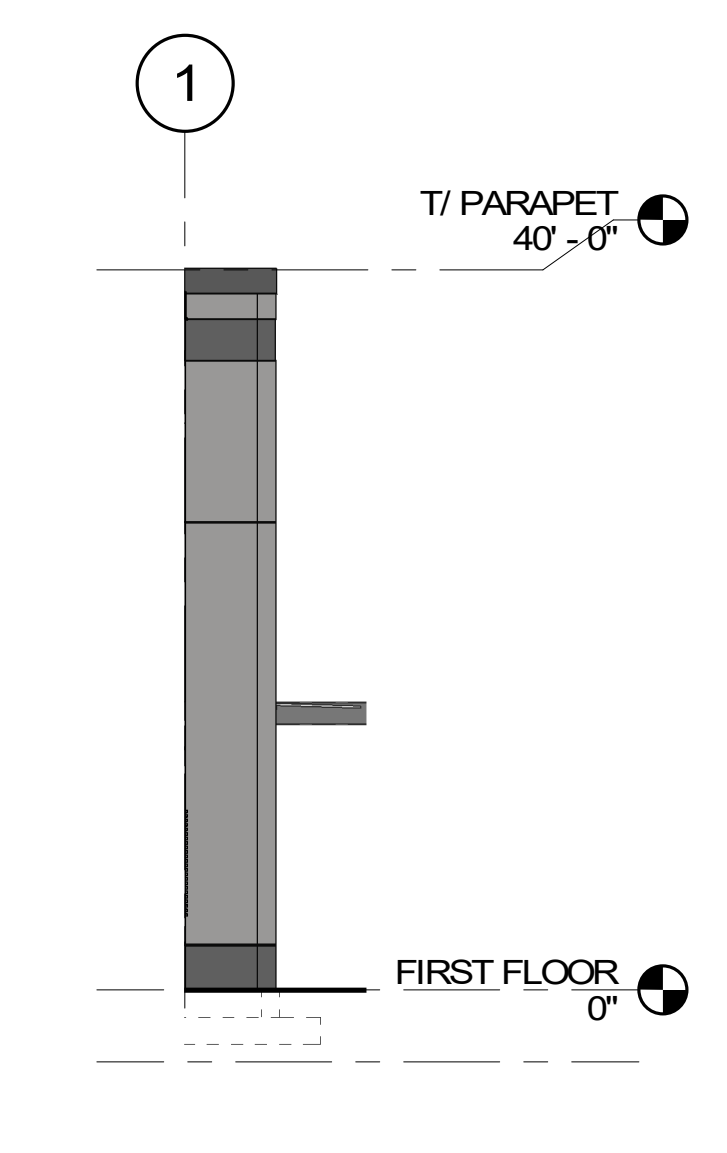
2 WEST ELEVATION
A2.10 / 3/32" = 1'-0"



3 SOUTH ELEVATION
A2.10 / 3/32" = 1'-0"



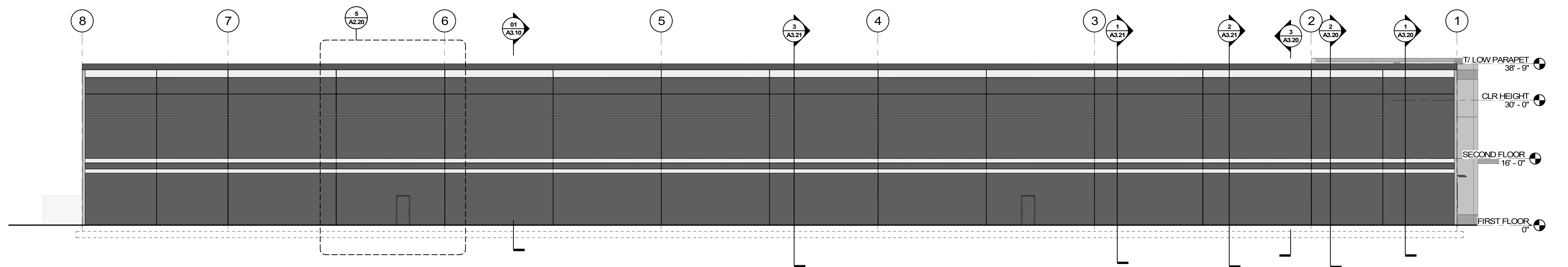
4 SOUTH RETURN WALL
A2.10 / 3/32" = 1'-0"



5 EAST RETURN WALL
A2.10 / 3/32" = 1'-0"

PAINT LEGEND

- SW 7006 / EXTRA WHITE
- SW 7667 / ZIRCON
- SW 7670 / GRAY SHINGLE
- SW 7674 / PEPPER CORN



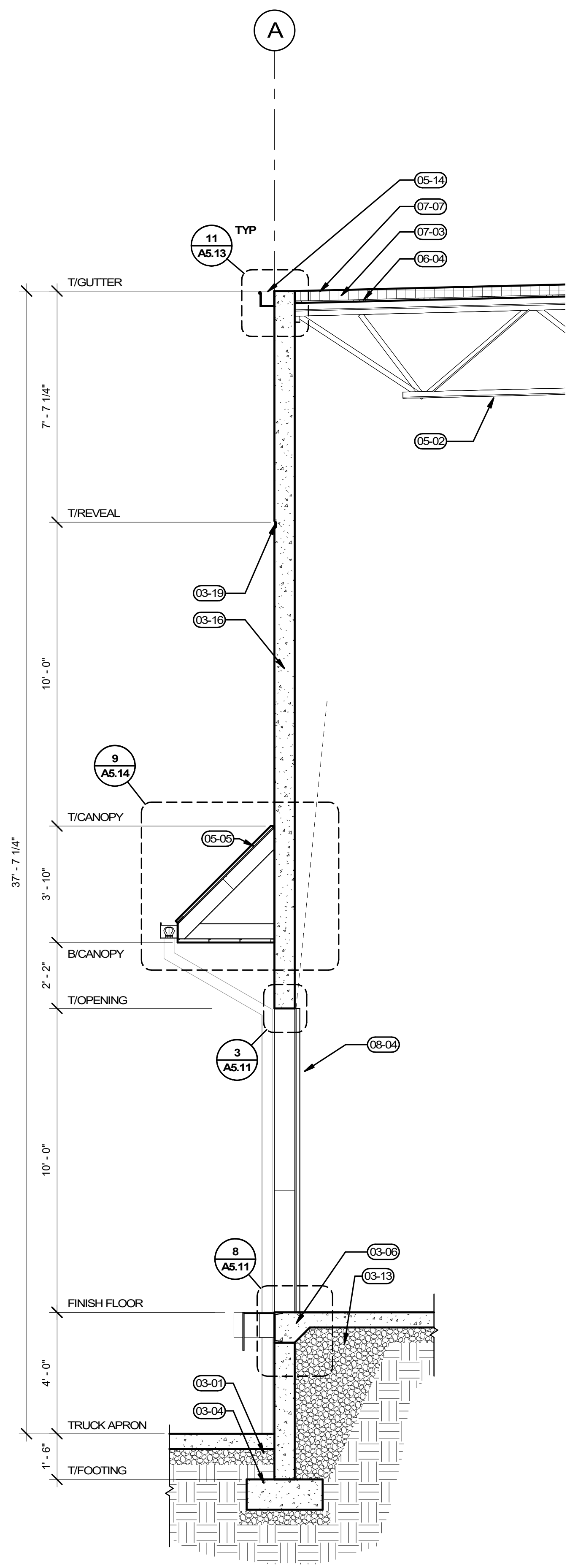
6 EAST ELEVATION
A2.10 / 3/32" = 1'-0"

GENERAL NOTES

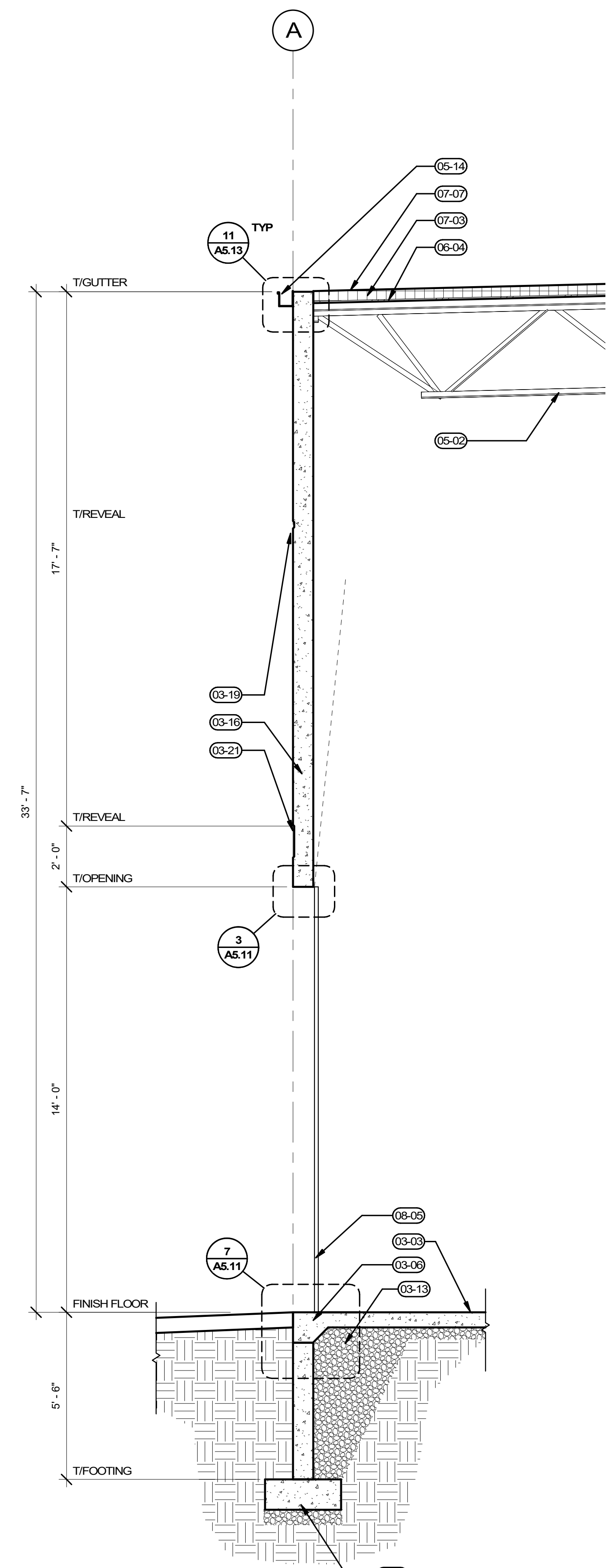
- A. SEE ARCHITECTURAL GENERAL NOTES ON A0.01 FOR ADDITIONAL INFORMATION
- B. SEE A1.10 FOR WALL TYPES

KEYNOTES

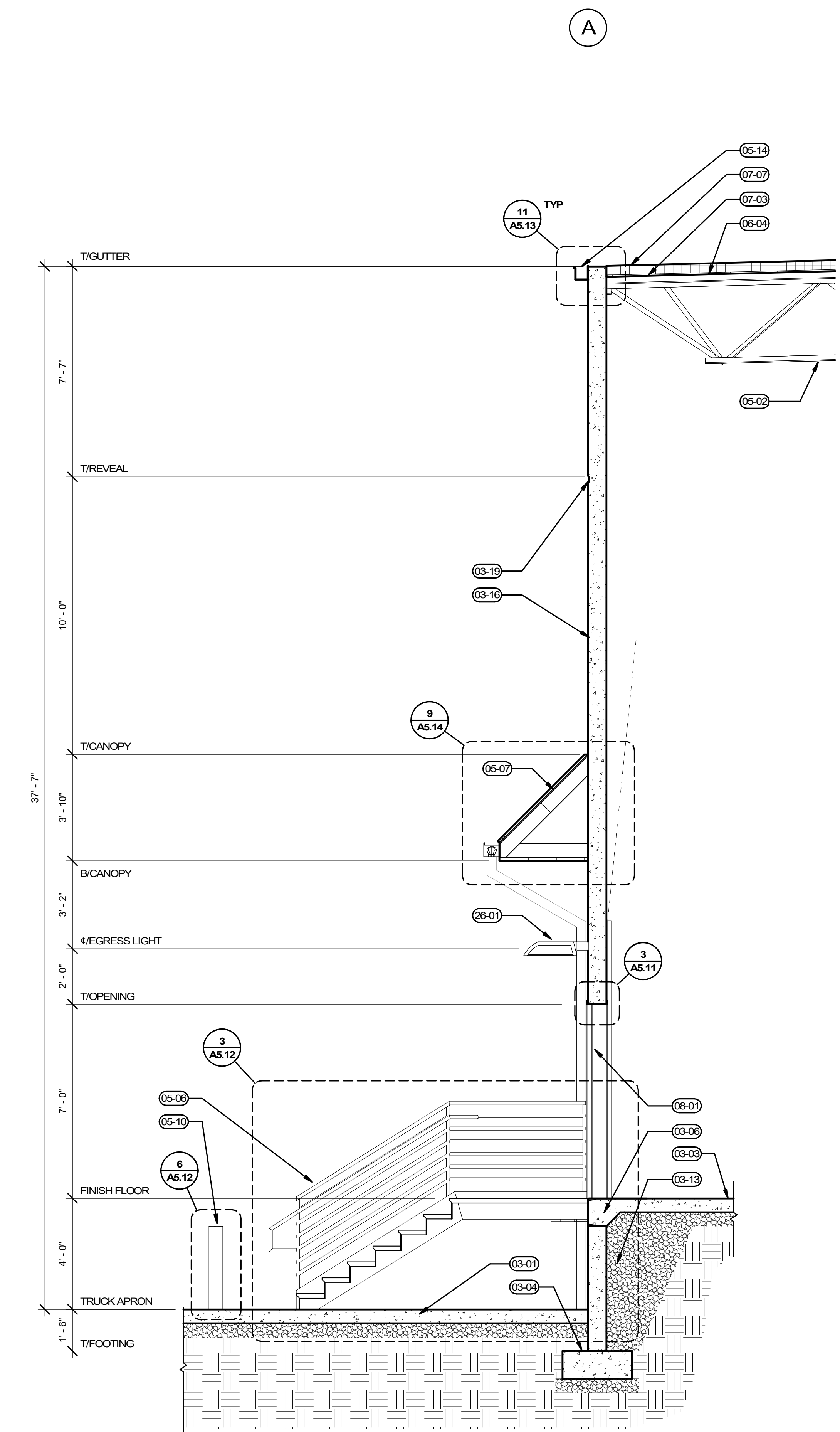
- 03-01 6" CONCRETE TRUCK APRON. SEE CIVIL
- 03-03 6" CONCRETE SLAB ON GRADE. SEE STRUCTURAL
- 03-04 CONCRETE FOOTING. SEE STRUCTURAL
- 03-06 CONCRETE THICKENED SLAB. SEE STRUCTURAL
- 03-13 COMPACT GRANULAR FILL. PER GEOTECH RECOMMENDATIONS
- 03-16 TILT-UP CONCRETE PANEL. SEE STRUCTURAL
- 03-19 2" REVEAL W/ 1/2" DEPTH. SEE DETAIL 5/A5.11
- 03-21 12" REVEAL W/ 1/2" DEPTH. SEE DETAIL 5/A5.11
- 05-02 STEEL JOIST FRAMING. SEE STRUCTURAL
- 05-05 CONTINUOUS CFS DOCK CANOPY WITH SHEET METAL ROOF. SEE DETAIL 7/A5.13
- 05-06 STEEL ACCESS STAIRS. SEE DETAILS 1-4/A5.12
- 05-07 STEEL FRAMED DOCK CANOPY. SEE DETAIL 7/A5.13
- 05-10 STEEL BOLLARD. SEE DETAIL 6/A5.12
- 05-14 SHEET METAL GUTTER TO MATCH PARAPET COPING. SEE DETAIL 11/A5.13
- 06-04 WOOD ROOF DECK PER STRUCT.
- 07-03 RIGID INSULATION. SEE TYPICAL ROOF ASSEMBLY 3/A3.10.
- 07-07 ROOF MEMBRANE. SEE TYPICAL ROOF ASSEMBLY 3/A3.10
- 08-01 INSULATED 1M PERSONNEL DOOR. PAINT PER ELEVATIONS. SEE DOOR SCHEDULE
- 08-04 9'-0" X 10'-0" OHD INSULATED HIGH-LIFT DOCK DOOR. PAINT P-1. SEE DOOR SCHEDULE
- 08-05 12'-0" X 14'-0" OHD INSULATED DRIVE-IN DOOR WITH 3'-0" X 7'-0" PERSONNEL DOOR. PAINT P-1. WITH 1" INSULATED TRANSOM WINDOW ABOVE. SEE DOOR SCHEDULE
- 26-01 EXTERIOR LIGHT. DESIGN-BUILD ELECTRICAL TO VERIFY ALL REQUIREMENTS. COORDINATE WITH A/E IF LOCATIONS ARE TO CHANGE. SEE CIVIL FOR ADDITIONAL INFORMATION. SHOE BOX STYLE. DARK ANODIZED FINISH AND FULL CUT OFF.



1 WALL SECTION @ DOCK DOOR
A3.21 3/8" = 1'-0"



2 WALL SECTION @ DRIVE-IN PANEL
A3.21 3/8" = 1'-0"



3 WALL SECTION @ DOCK STAIR
A3.21 3/8" = 1'-0"

Project

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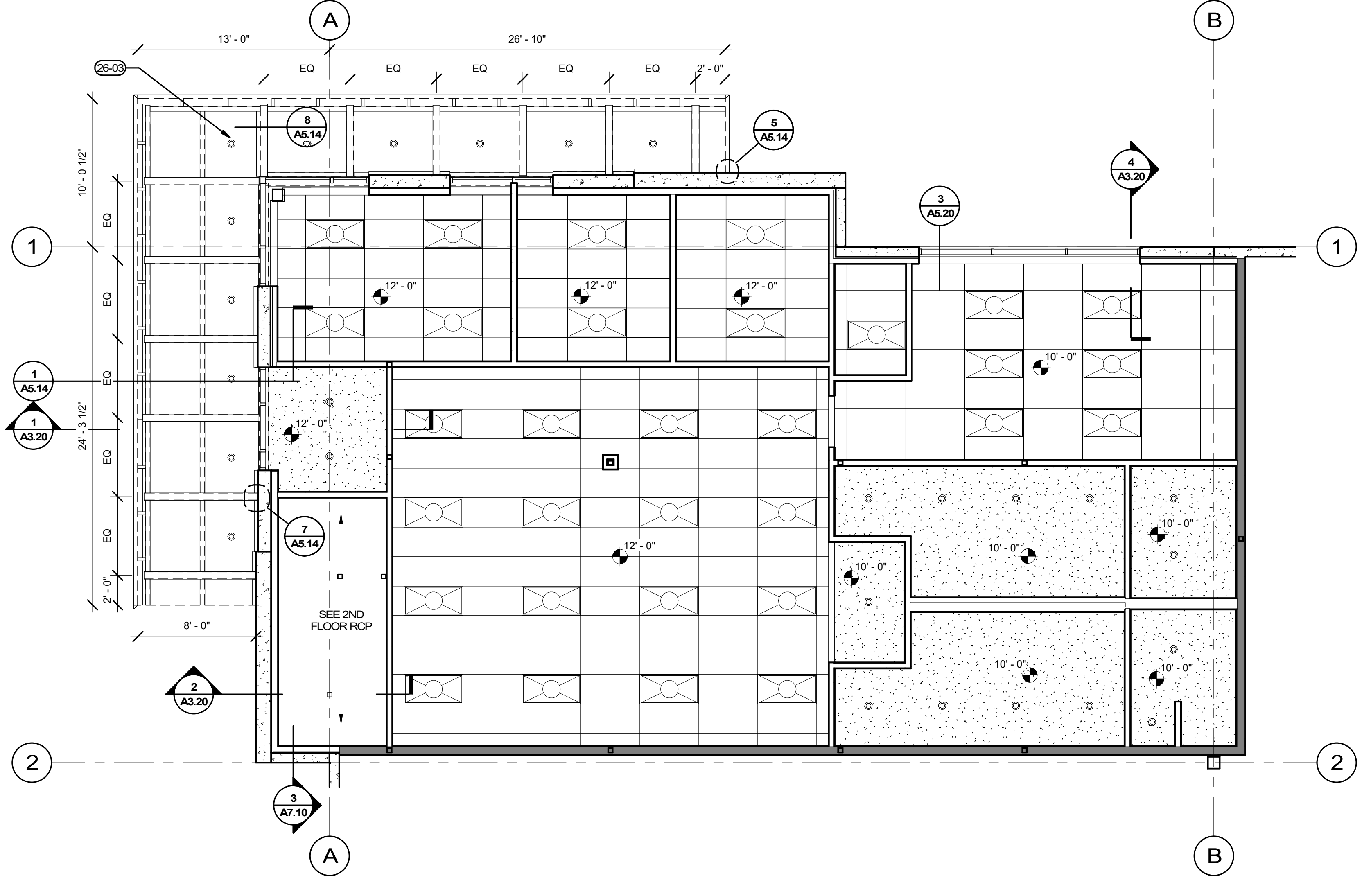
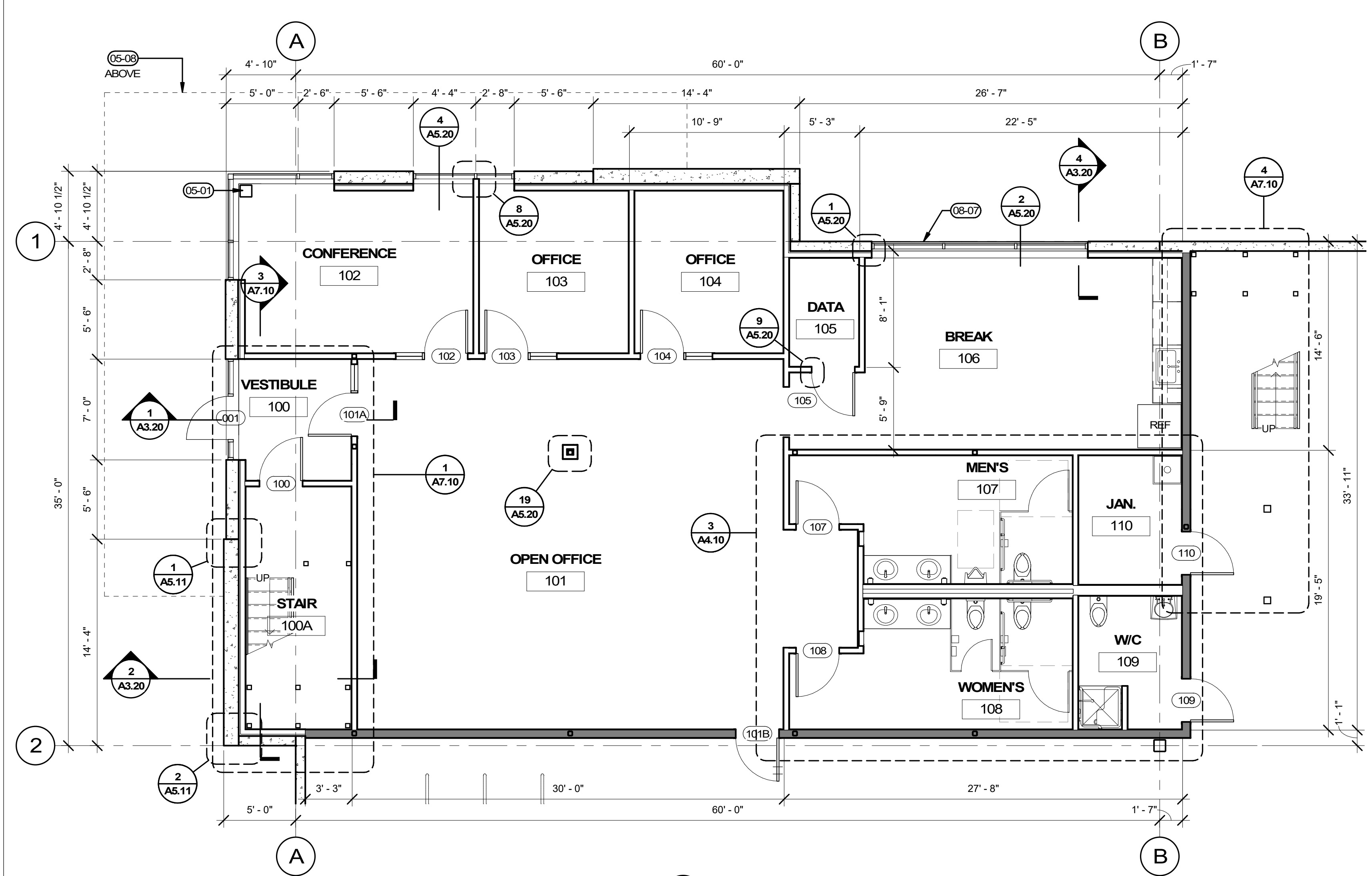
REVISION SCHEDULE		
Delta	Issued As	Issue Date

SHEET TITLE:
**WALL
SECTIONS**

SHEET

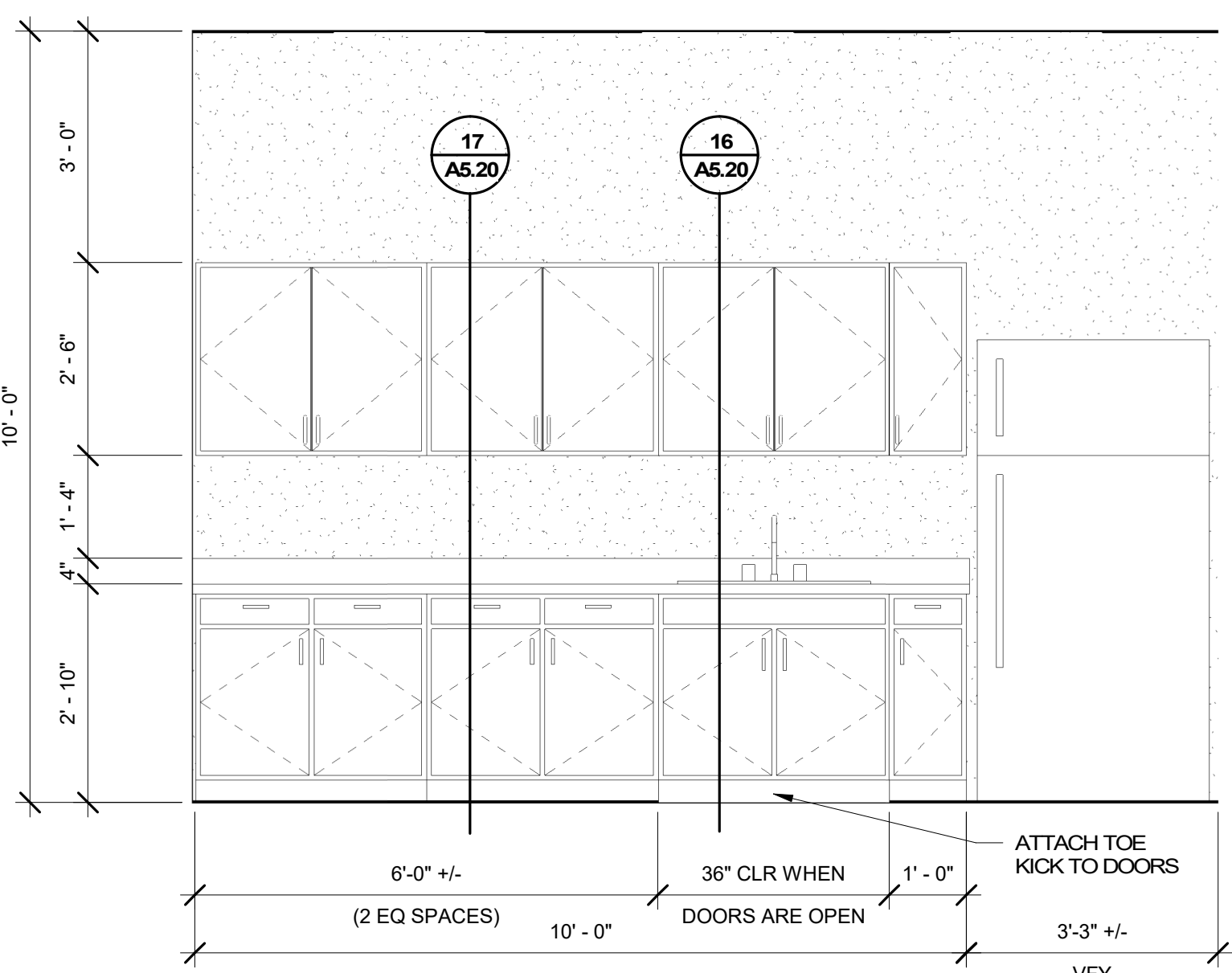
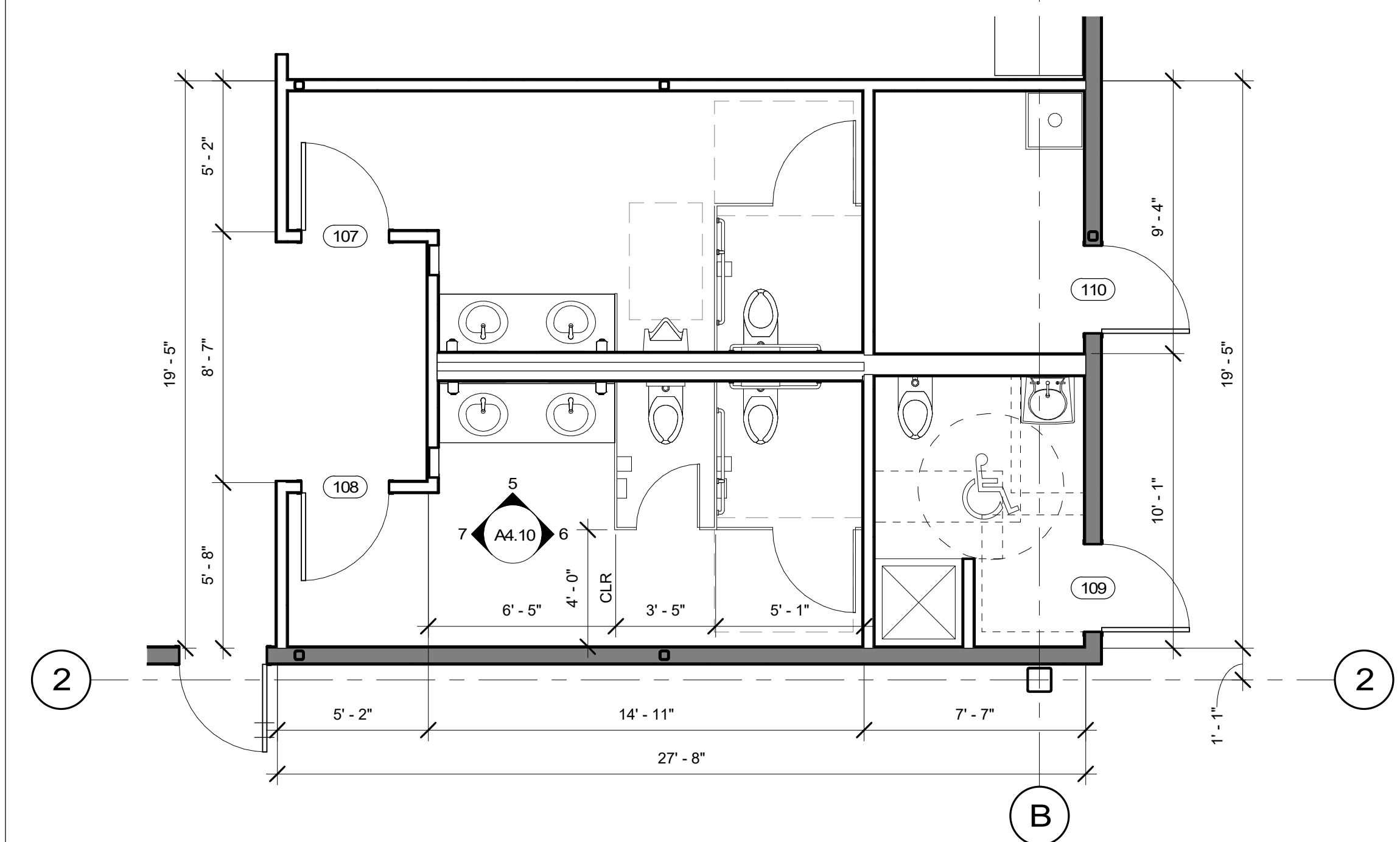
A3.21

JOB NO. **2200502.00**



1 NW OFFICE FIRST FLOOR PLAN
A4.10 3/16" = 1'-0"

02 NW OFFICE FIRST FLOOR RCP
A4.10 3/16" = 1'-0"



3 RESTROOM PLAN - ENLARGED PLAN
A4.10 1/4" = 1'-0"

4 BREAK ROOM ELEVATION
A4.10 1/2" = 1'-0"

GENERAL NOTES

- A. SEE A0.01 FOR ADDITIONAL INFORMATION ON FIXTURE MOUNTING HEIGHTS. ALL REQUIRED ADA CLEARANCES ARE TO FACE OF FINISH.
- B. ALL DIMENSIONS IN THIS SHEET ARE TO FACE OF FINISH UNLESS OTHERWISE NOTED.
- C. CENTER ALL TOILETS/URINALS WITHIN STALL UNLESS OTHERWISE NOTED.
- D. INSULATE ALL UNDER COUNTER HOT WATER AND WASTE LINES.
- E. COORDINATION OF BLOCKING REQUIREMENTS FOR WALL-MOUNTED SPECIALTIES BY CONTRACTOR.
- F. CONFIRM REQUIREMENTS AND SIZES FOR ALL EQUIPMENT/APPLIANCES PRIOR TO CONSTRUCTION OF CABINETS/COUNTERS.
- G. FINISH EDGES OF COUNTERTOPS, DOORS, FACES, TYP.
- H. ALL EXPOSED EDGES AT DOORS AND SHELVING TO BE P-LAM TO MATCH ADJACENT VERTICAL SURFACES.
- I. SCRIBE TO FIT CASEWORK AT ALL WALLS.
- J. WRAP ALL EXPOSED EDGES WITH P-LAM UNLESS NOTED OTHERWISE.
- K. SHIM AS REQUIRED.

WALL TYPES

- CONCRETE TILT PANEL - SEE STRUCTURAL ELEVATIONS FOR THICKNESSES
- 1HR RATED WALL PER 11/A5.20
- FULL HEIGHT WALL PER 12/A5.20
- STICK-PIN INSULATION 10/A5.20
- INTERIOR PARTITION PER 13/15/A5.20

KEYNOTES

- 05-01 HSS COLUMN, SEE STRUCTURAL
- 05-08 STEEL FRAMED CANOPY, SEE DETAILS 9-10/A5.13
- 06-07 STOREFRONT WINDOW, SEE DETAILS 1-3/A5.20
- 10-03 TOILET PAPER DISPENSER
- 10-04 TOILET SEAT COVER DISPENSER
- 10-05 SANITARY NAPKIN DISPOSAL
- 10-06 WALL MOUNTED SOAP DISPENSER
- 10-07 42" HORIZONTAL GRAB BAR, SEE STANDARD MOUNTING HEIGHT DETAILS
- 10-08 48" HORIZONTAL GRAB BAR, SEE STANDARD MOUNTING HEIGHT DETAILS
- 10-09 18" VERTICAL GRAB BAR, SEE STANDARD MOUNTING HEIGHT DETAILS
- 10-10 2'-6" WIDE MIRROR, FROM 3'-3" AFF TO 7'-0", CENTER ON SINK
- 10-11 RECESSED PAPER TOWEL DISPENSER / TRASH RECEPTACLE
- 22-07 WALL MOUNTED WATER CLOSET BY DESIGN BUILD PLUMBING, SEE STANDARD MOUNTING HEIGHT DETAIL
- 22-09 LAVATORY BY DESIGN BUILD PLUMBING, SEE STANDARD MOUNTING DETAIL
- 26-03 LIGHT FIXTURE PER PLAN, REFER TO SPECS AND DETAILS FOR SEISMIC RESTRAINT REQUIREMENTS. FINAL DESIGN PER DESIGN/BUILD ELECTRICAL.



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REVISION SCHEDULE		
Delta	Issued As	Issue Date

SHEET TITLE:
ENLARGED PLANS

SHEET

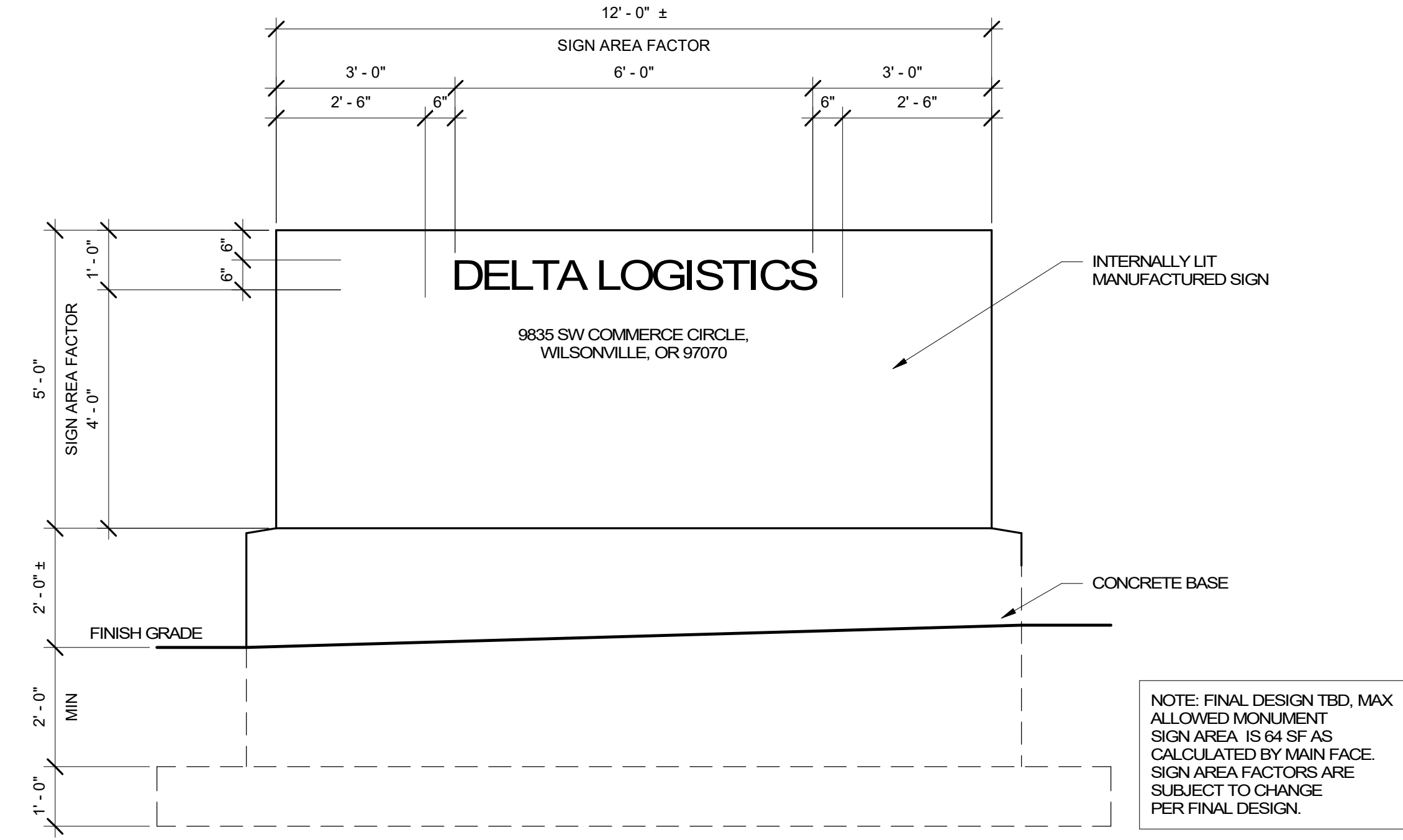
A4.10

JOB NO. **2200502.00**

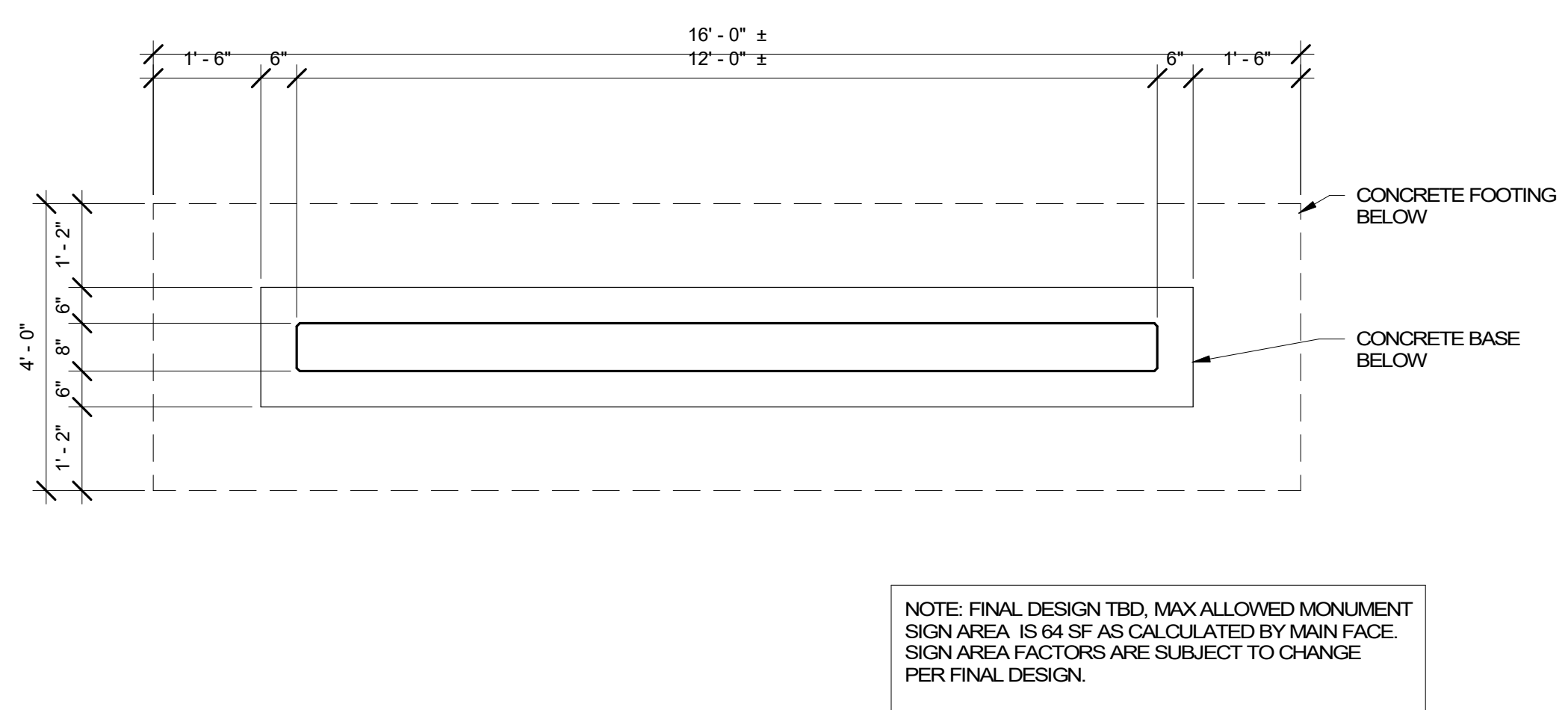
5 RESTROOM ELEVATION - NORTH
A4.10 1/2" = 1'-0"

6 RESTROOM ELEVATION - EAST
A4.10 1/2" = 1'-0"

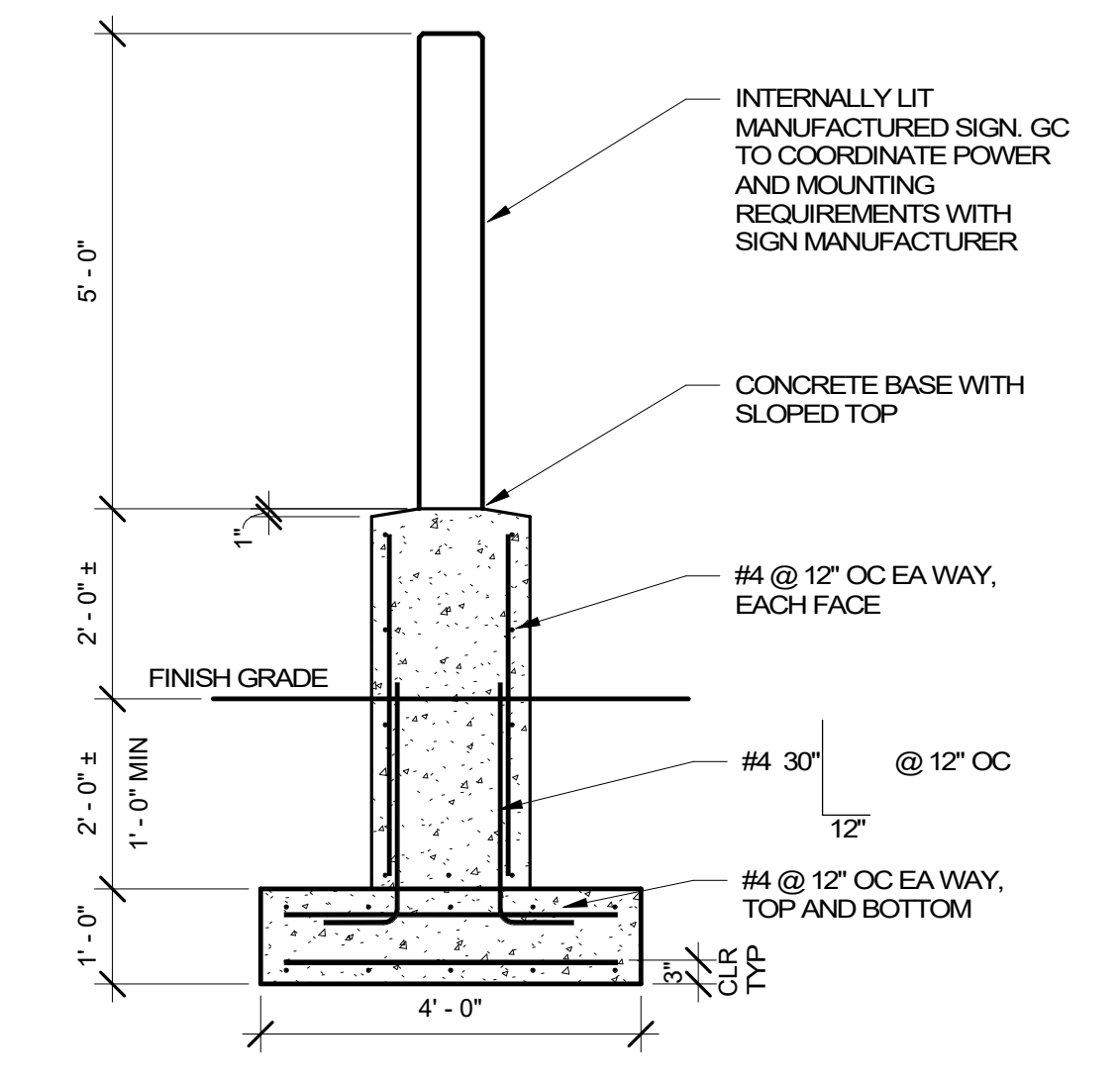
7 RESTROOM ELEVATION - WEST
A4.10 1/2" = 1'-0"



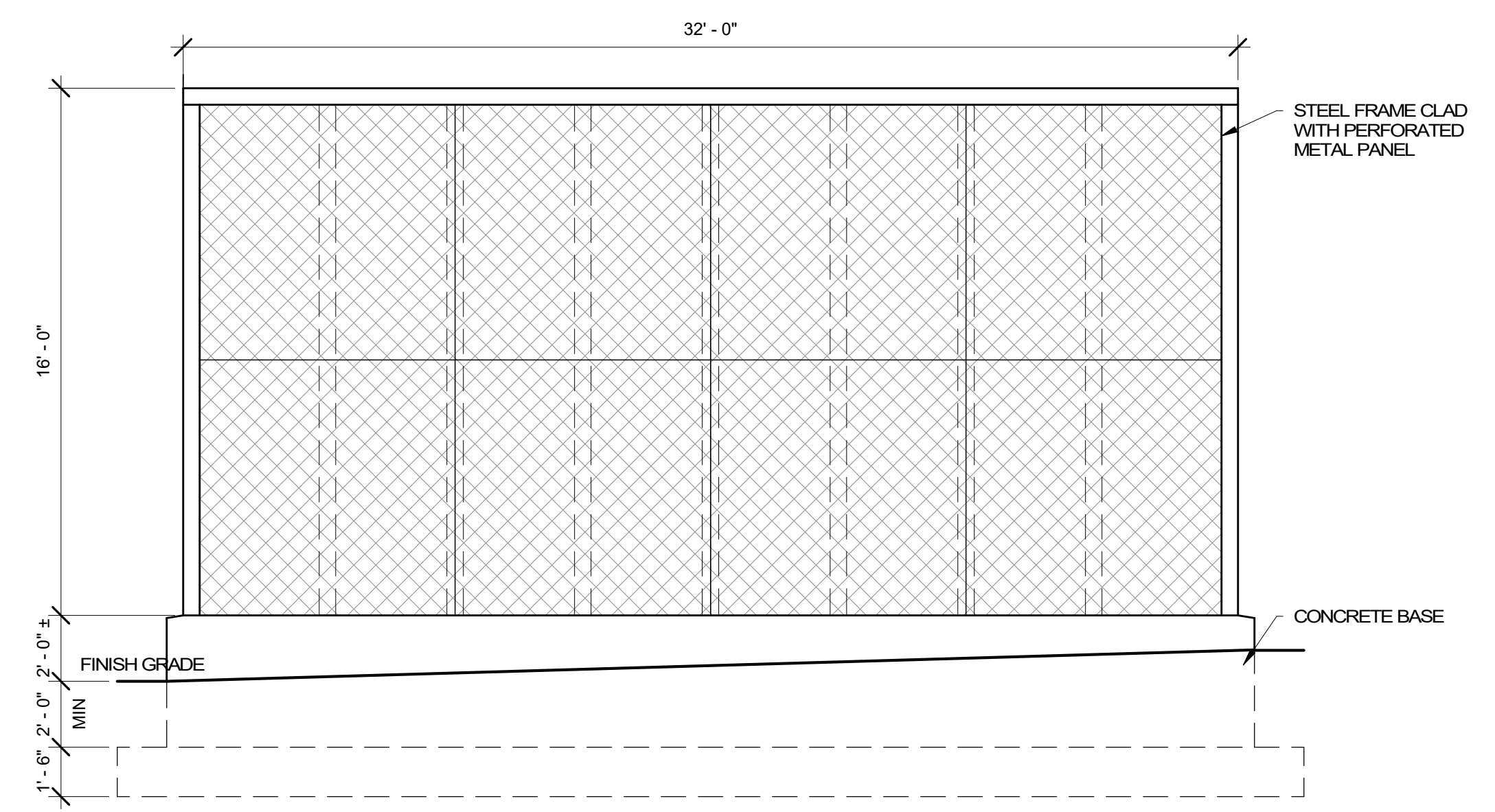
1 MONUMENT SIGN ELEVATION
AS.10 1/2" = 1'-0"



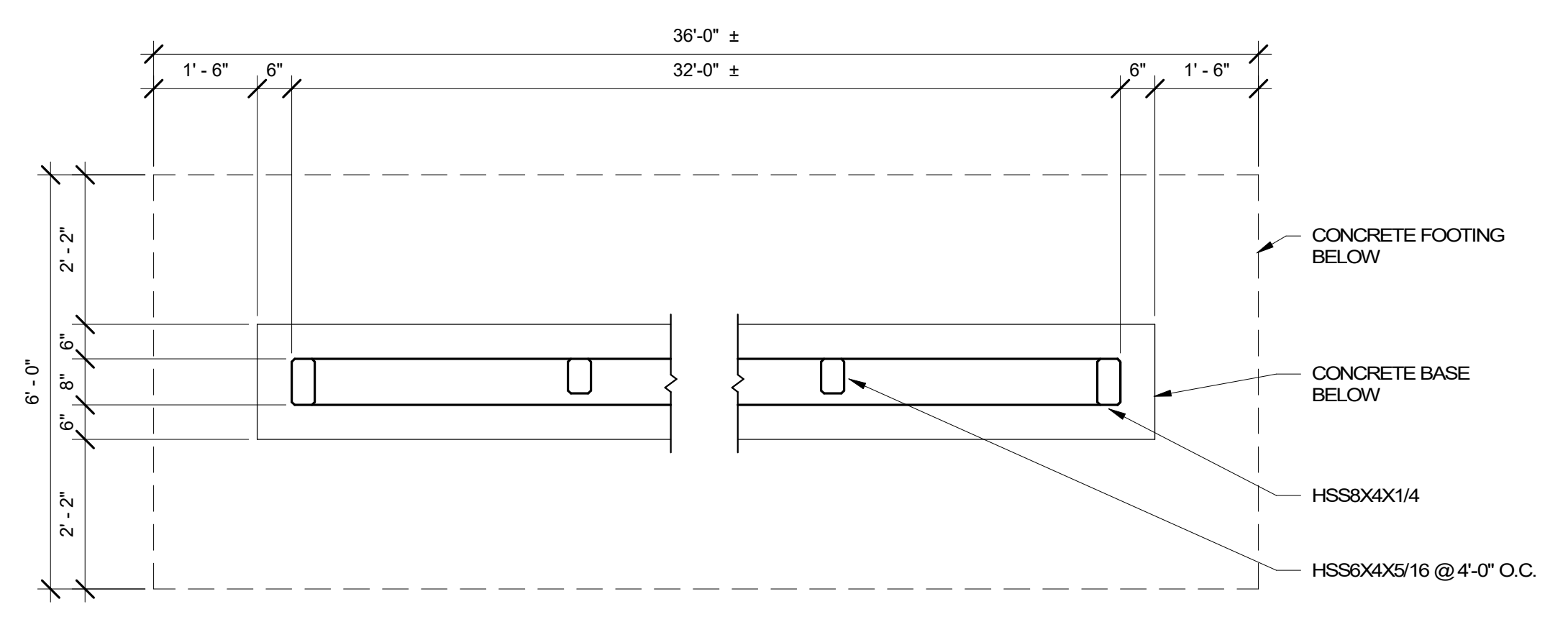
2 MONUMENT SIGN PLAN
AS.10 1/2" = 1'-0"



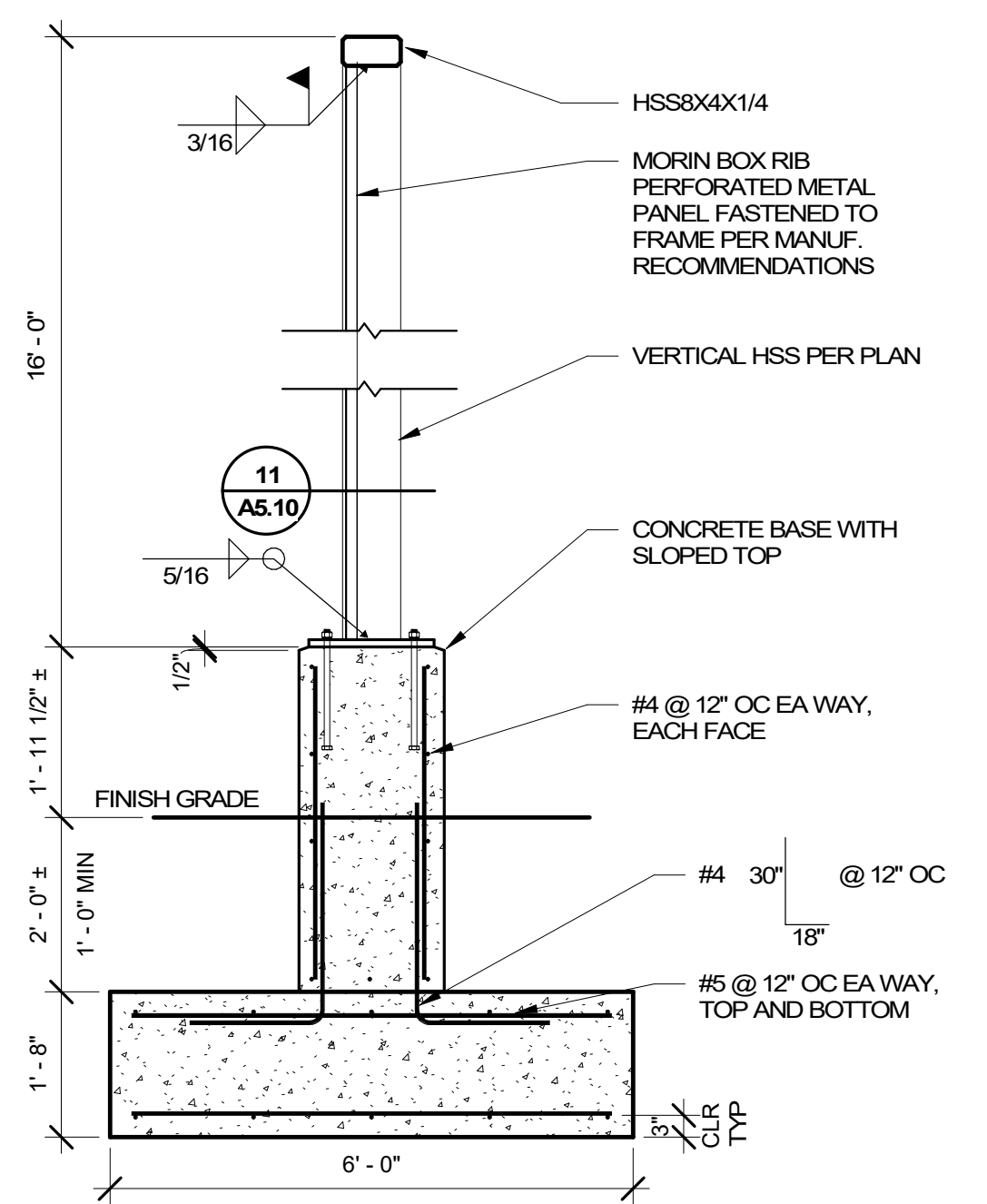
3 MONUMENT SIGN SECTION
AS.10 1/2" = 1'-0"



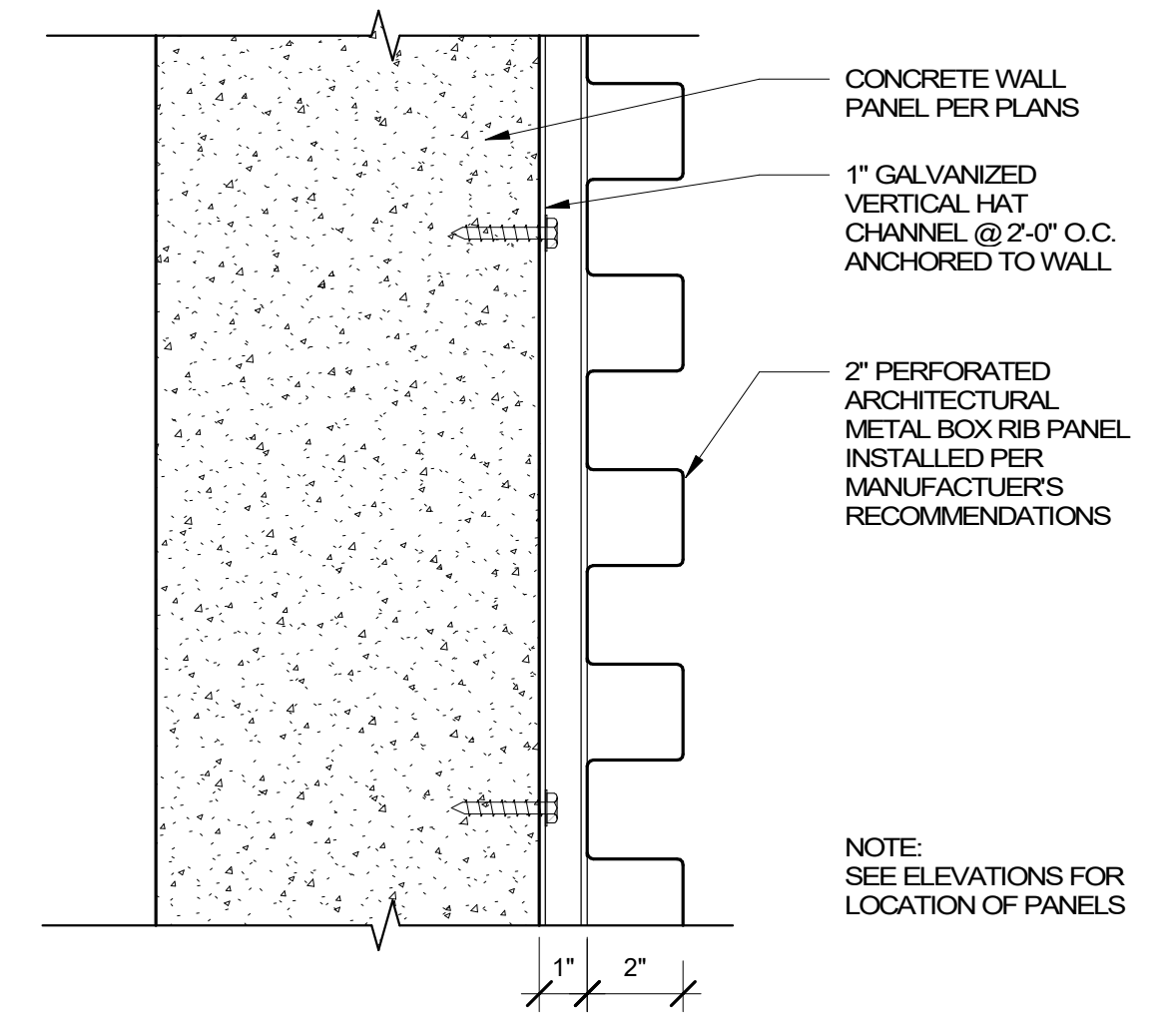
4 SCREENING WALL ELEVATION
AS.10 1/4" = 1'-0"



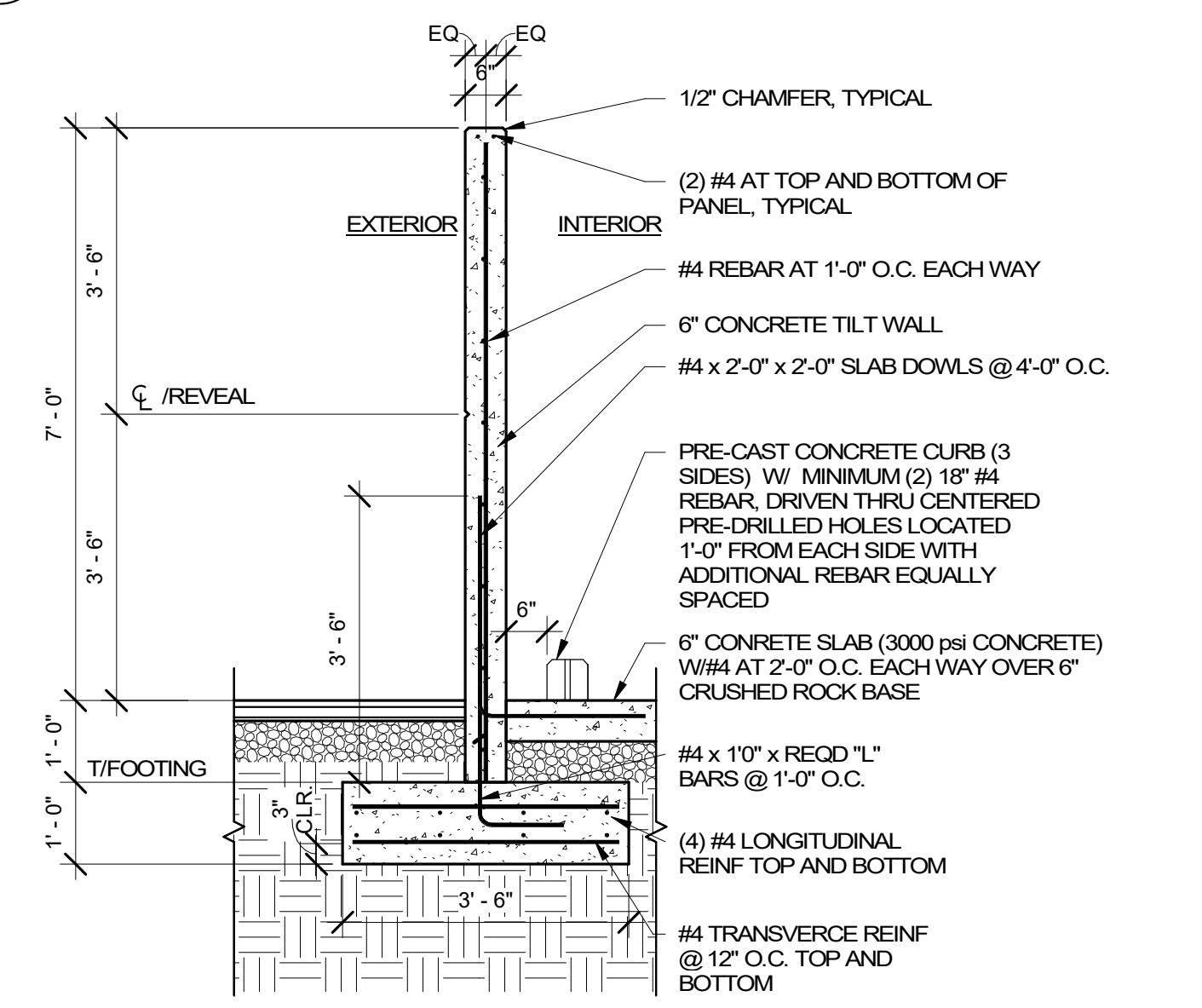
5 SCREENING WALL PLAN
AS.10 1/2" = 1'-0"



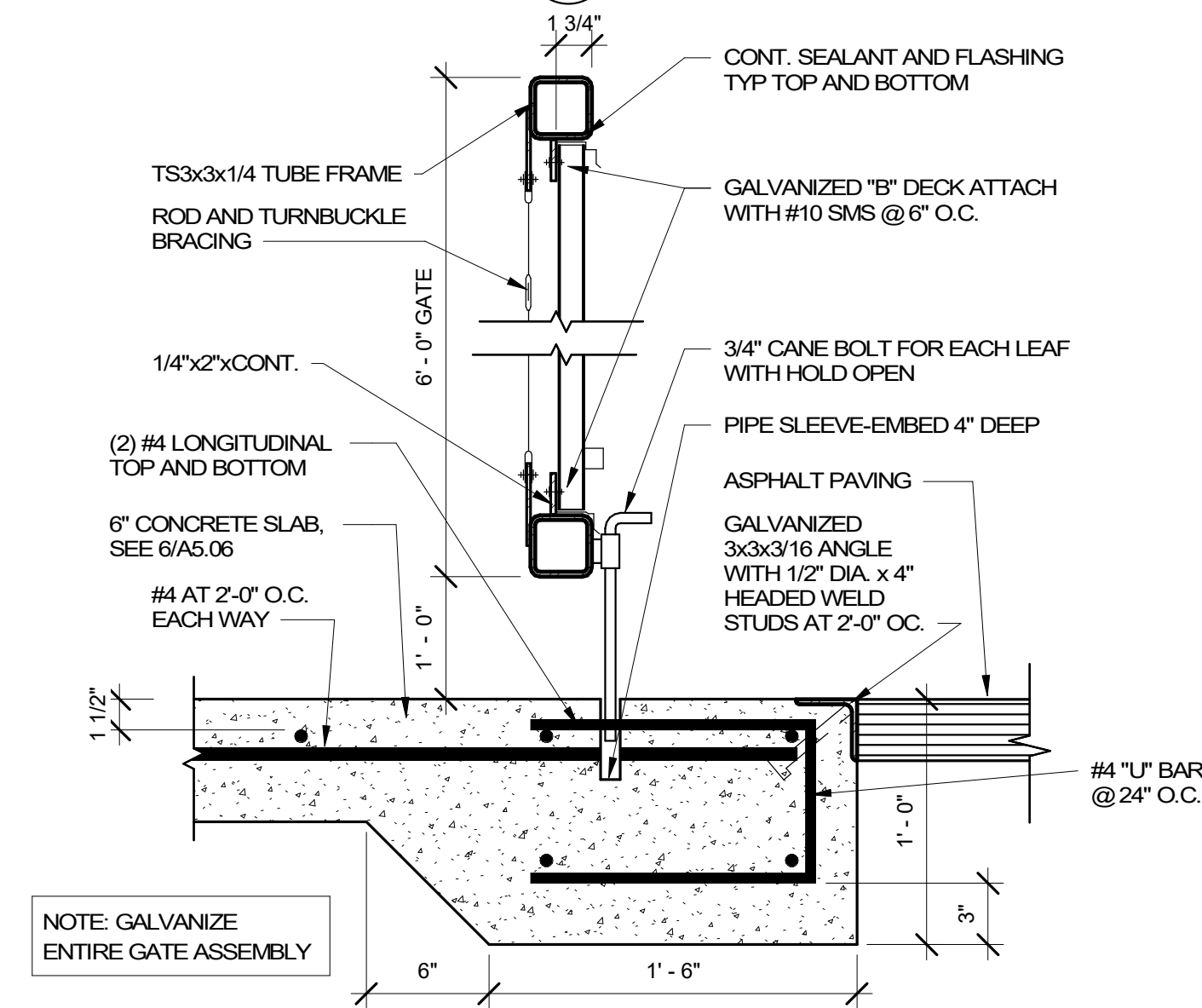
6 SCREENING WALL SECTION
AS.10 1/2" = 1'-0"



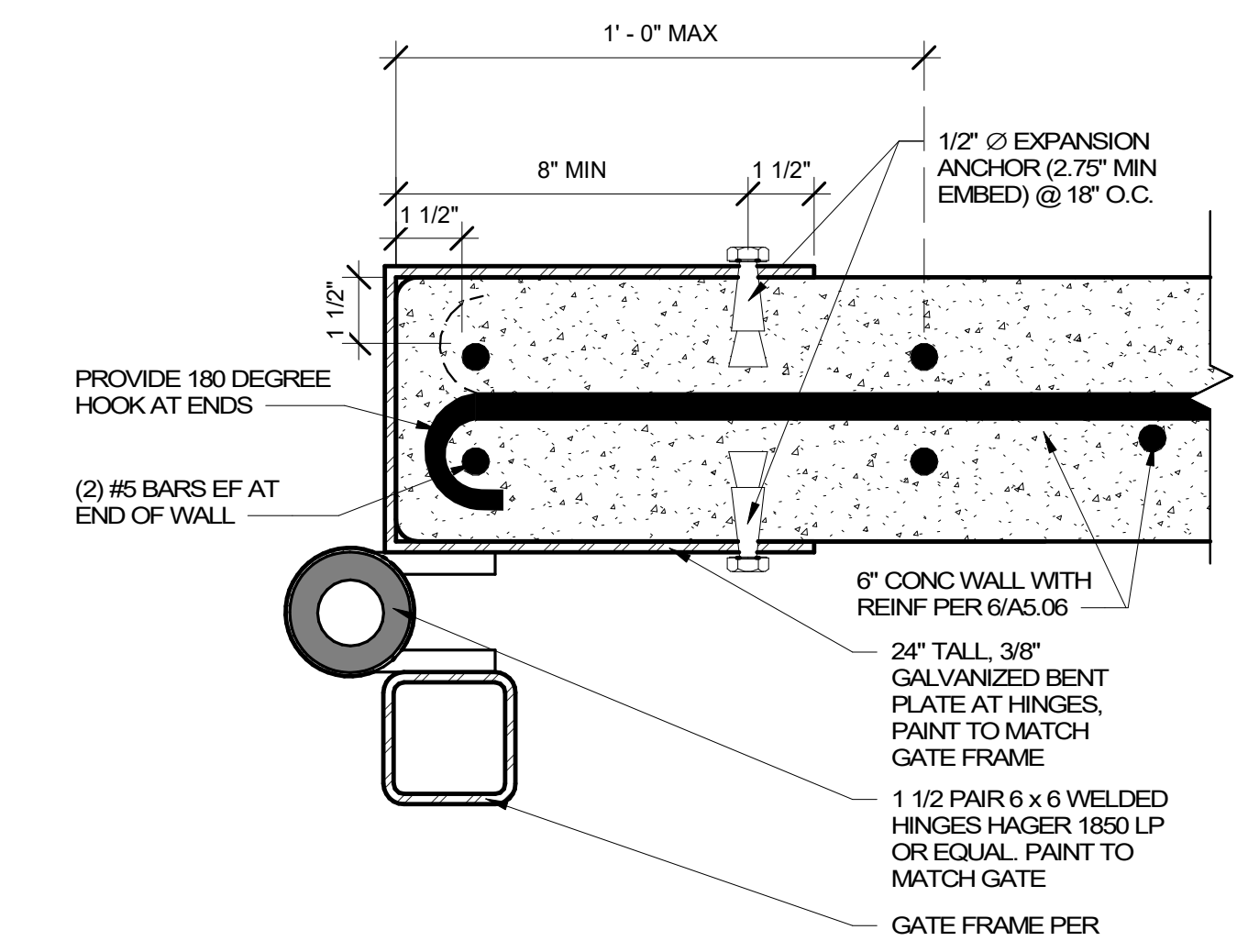
7 WALL PANEL APPLIQUE
AS.10 3" = 1'-0"



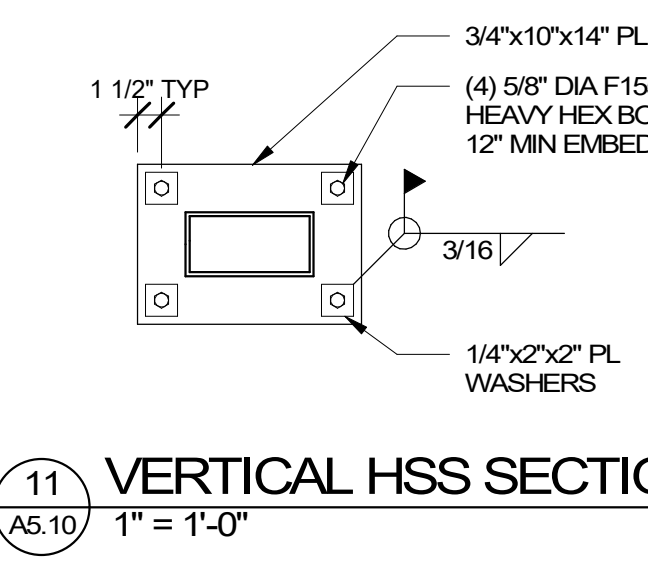
8 TRASH ENCLOSURE WALL
AS.10 1/2" = 1'-0"



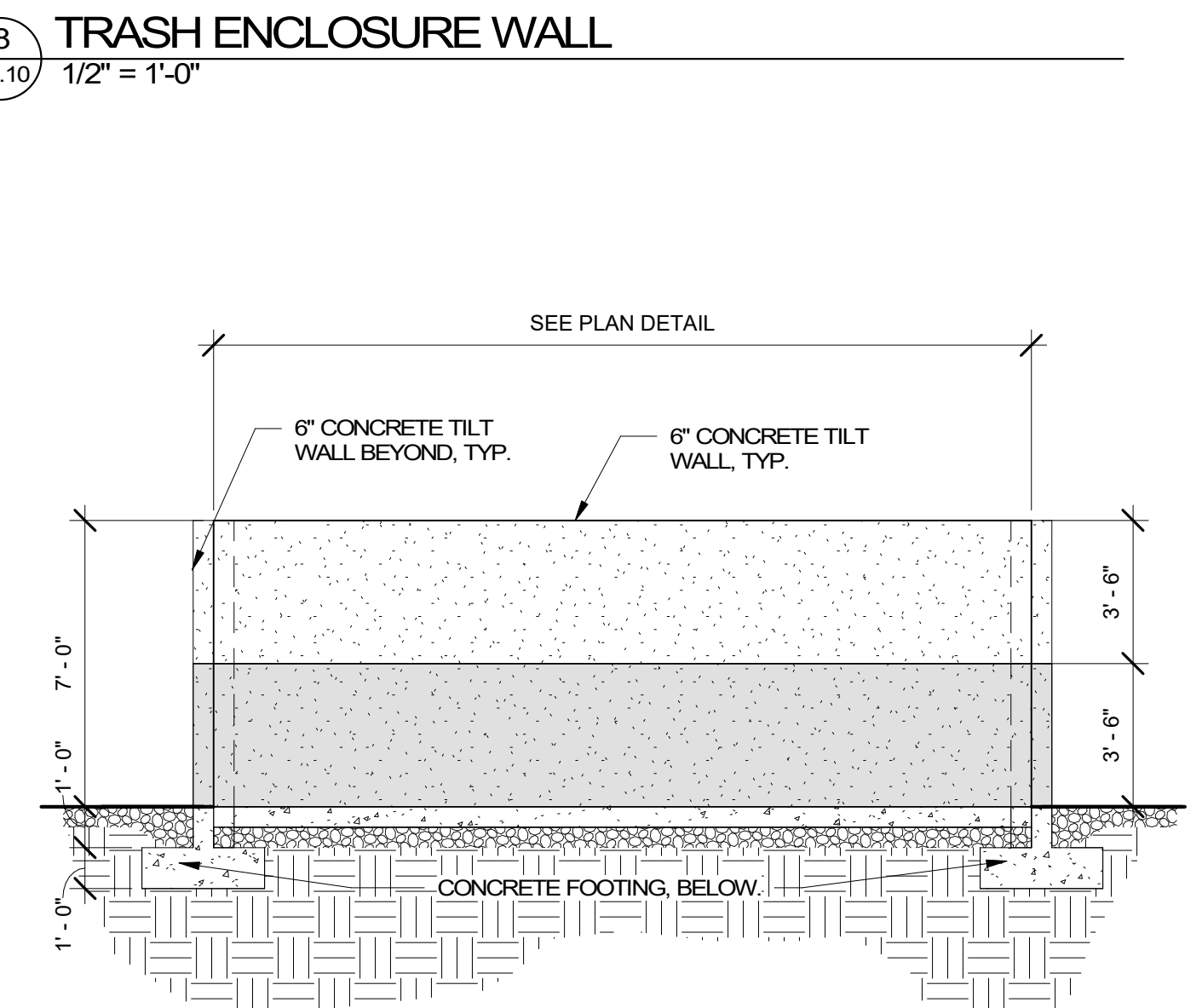
9 GATE SECTION
AS.10 1 1/2" = 1'-0"



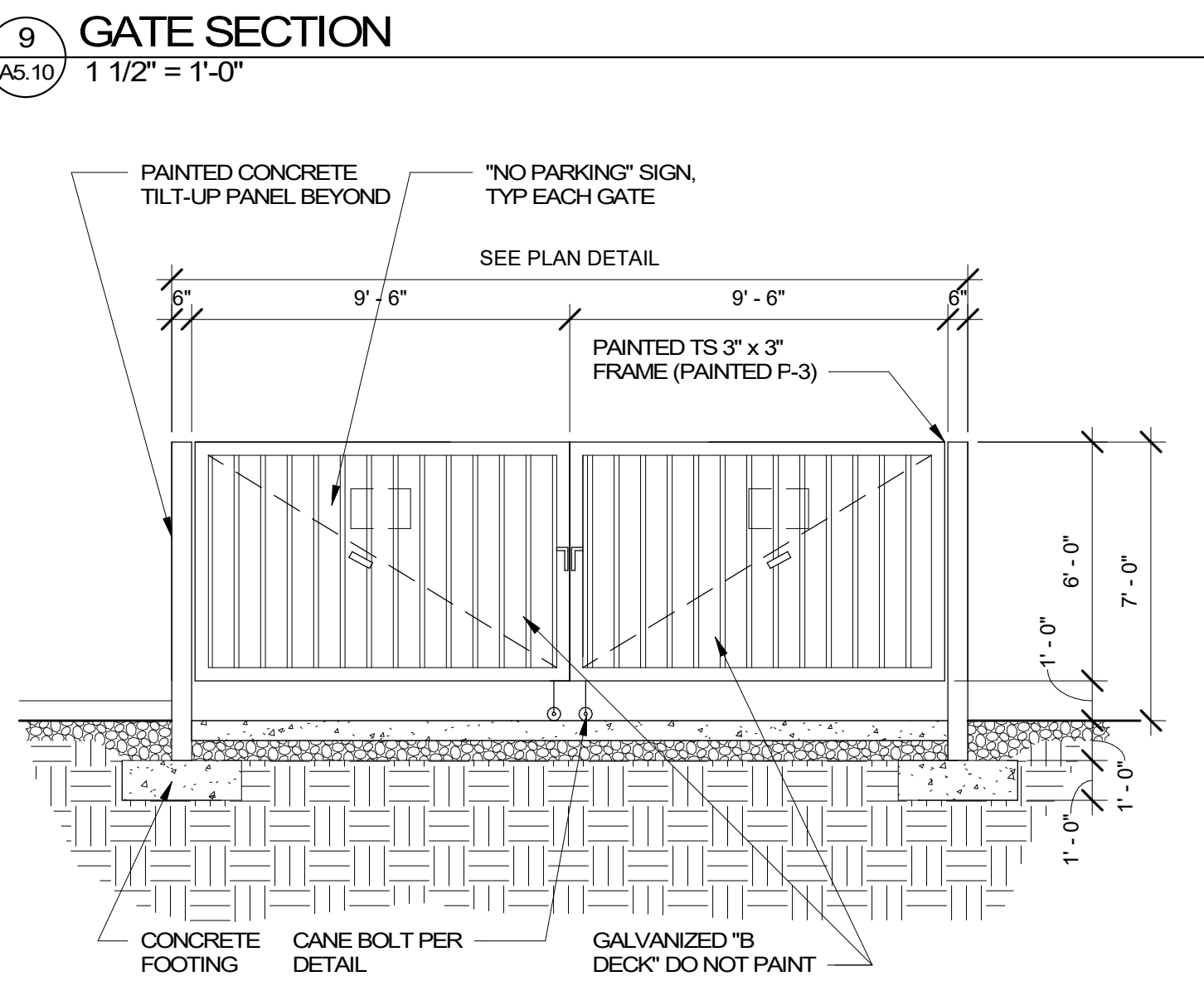
10 HINGE CONNECTION
AS.10 3" = 1'-0"



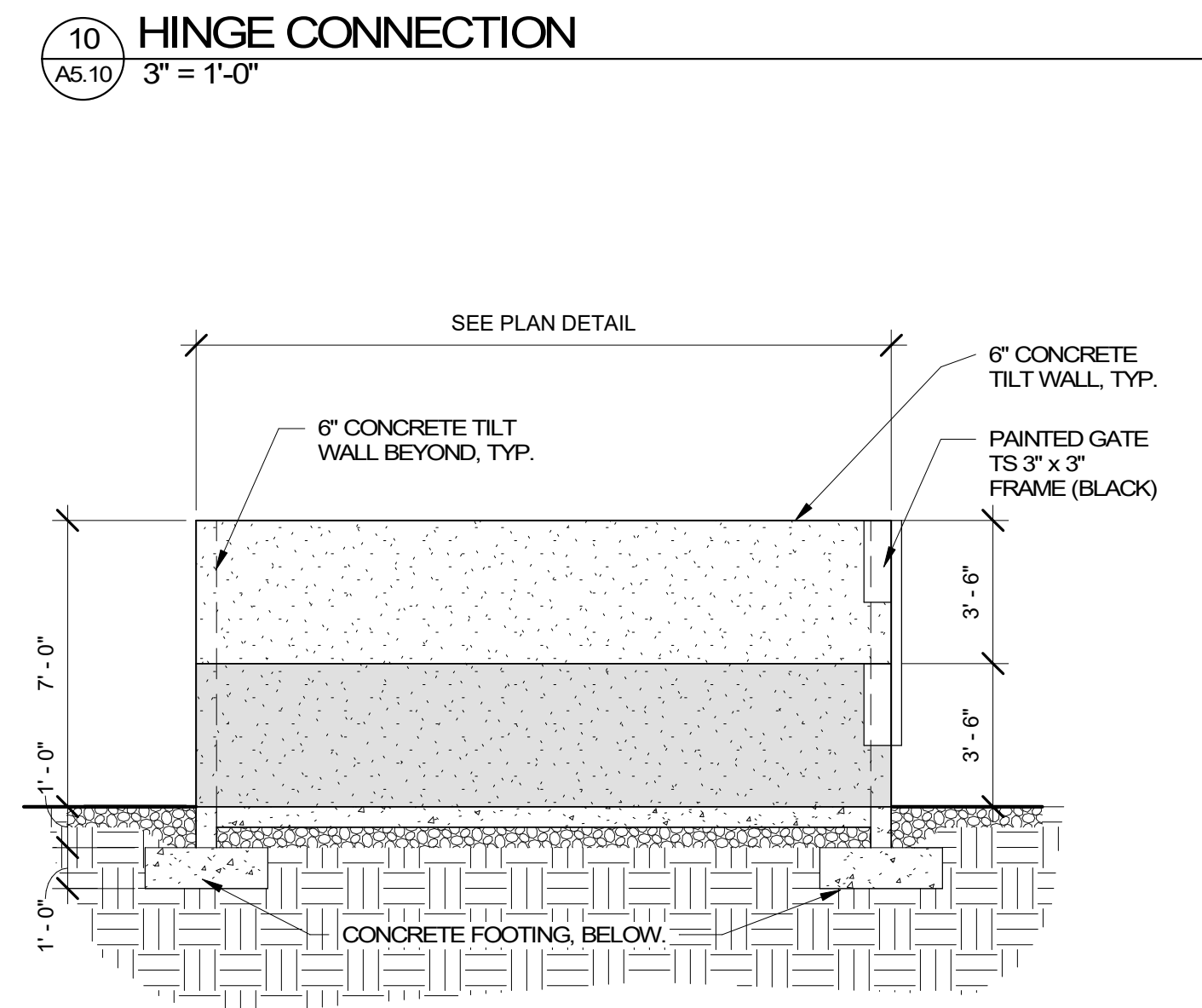
11 VERTICAL HSS SECTION
AS.10 1" = 1'-0"



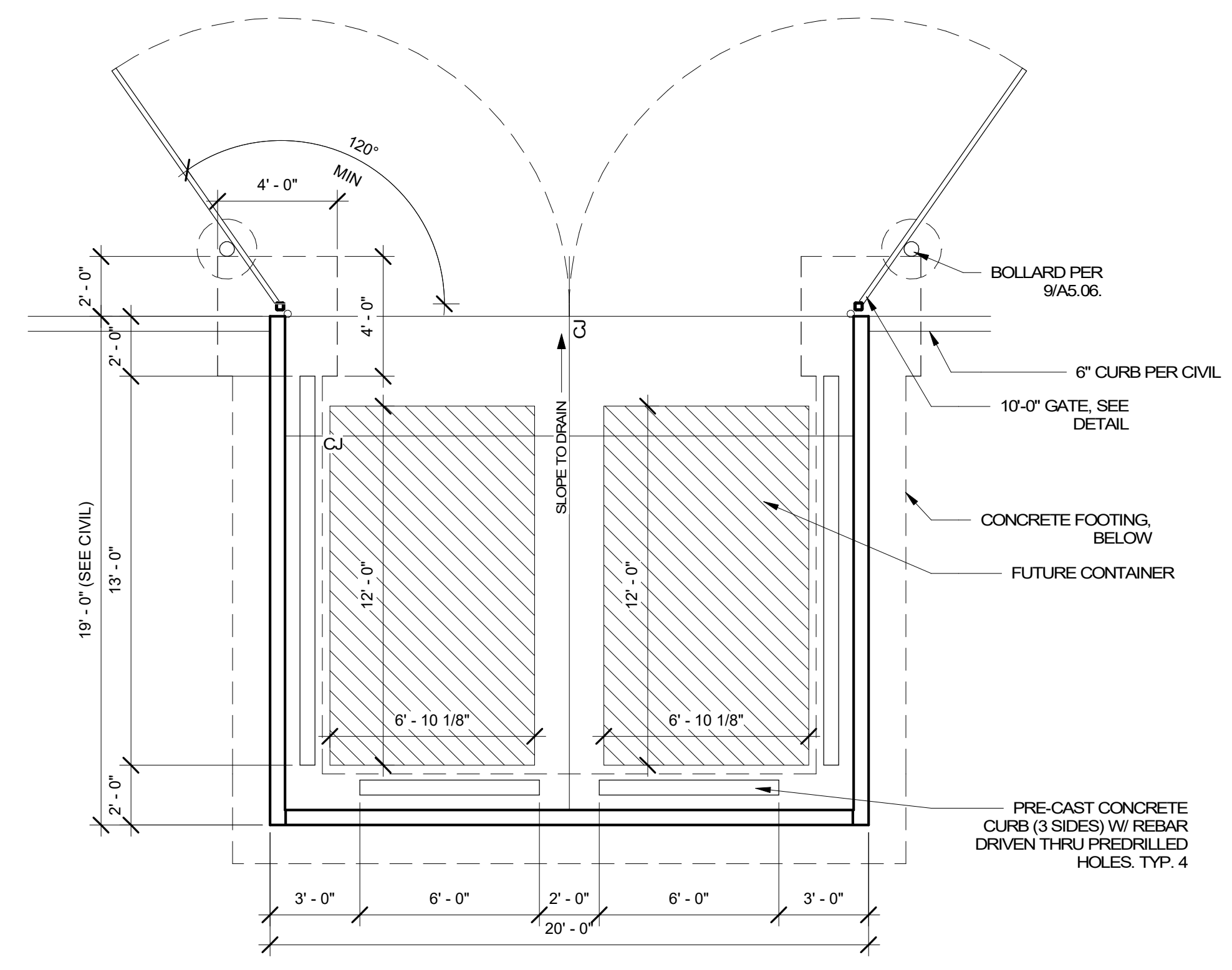
12 TRASH ENCLOSURE REAR ELEVATION
AS.10 1/4" = 1'-0"



13 TRASH ENCLOSURE FRONT ELEVATION
AS.10 1/4" = 1'-0"



14 TRASH ENCLOSURE SIDE ELEVATION
AS.10 1/4" = 1'-0"



15 TRASH ENCLOSURE PLAN
AS.10 1/4" = 1'-0"



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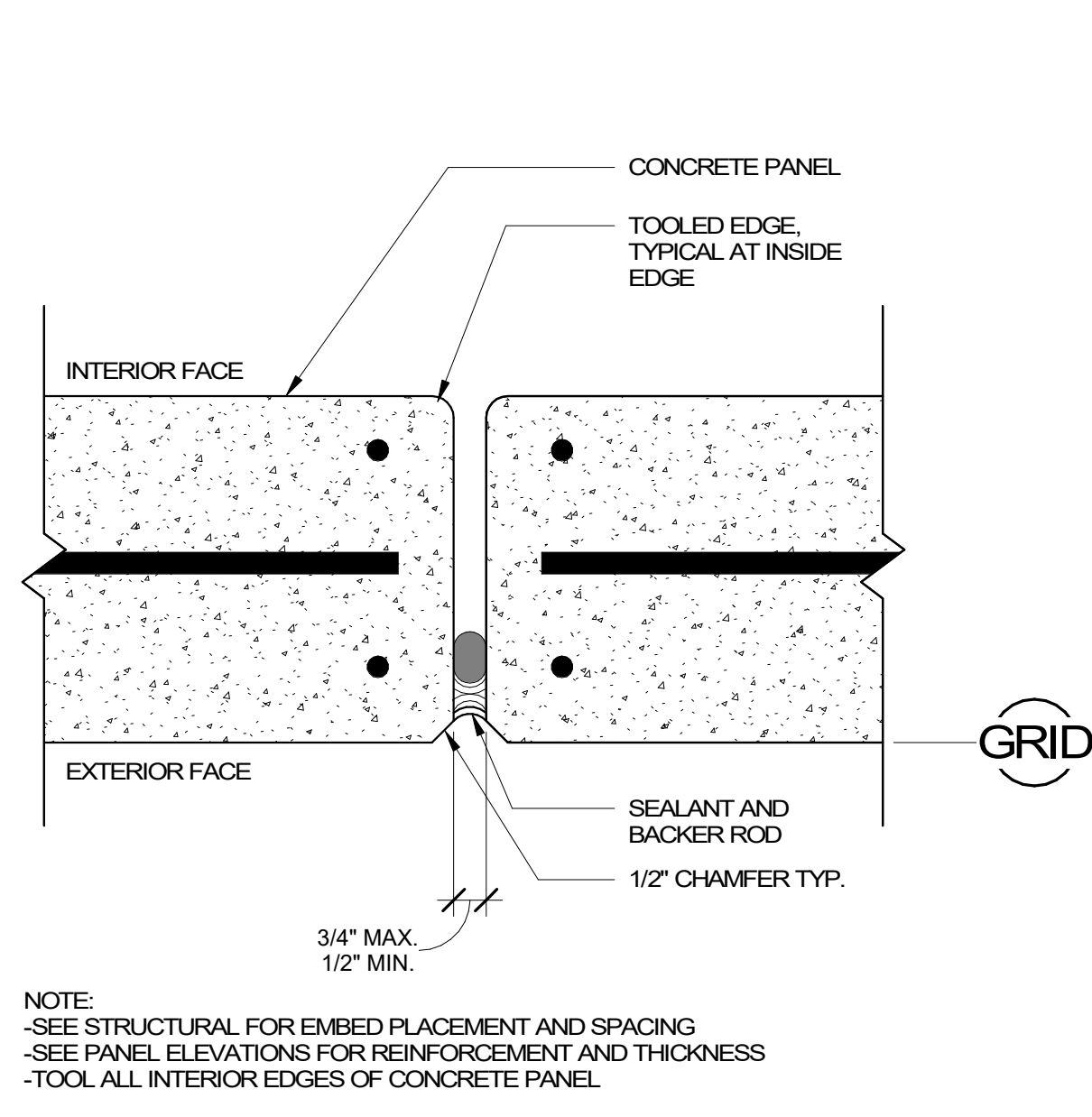
REVISION SCHEDULE		
Delta	Issued As	Issue Date
A	REV 1	7/26/22

SHEET TITLE:
SITE DETAILS

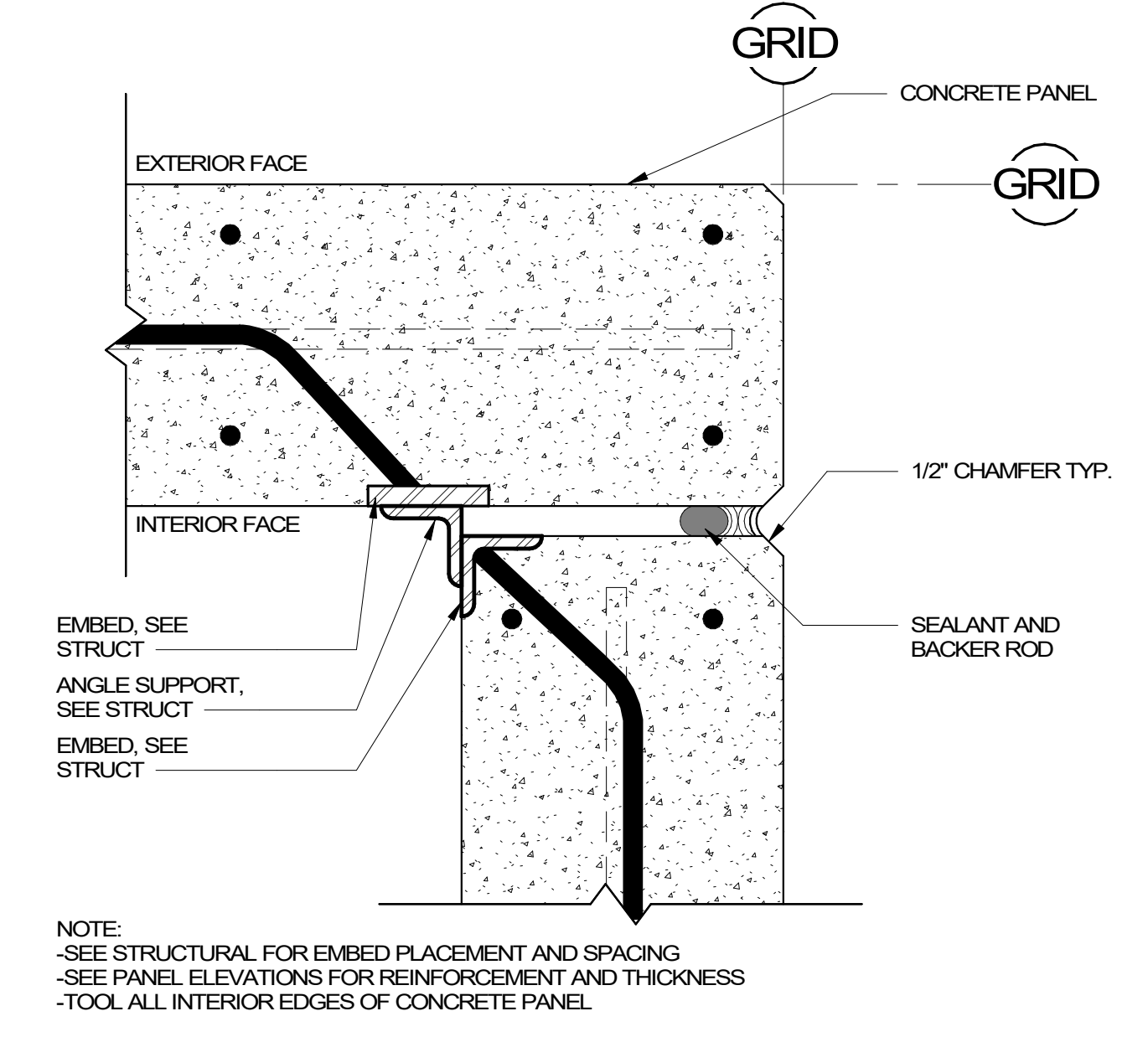
SHEET

A5.10

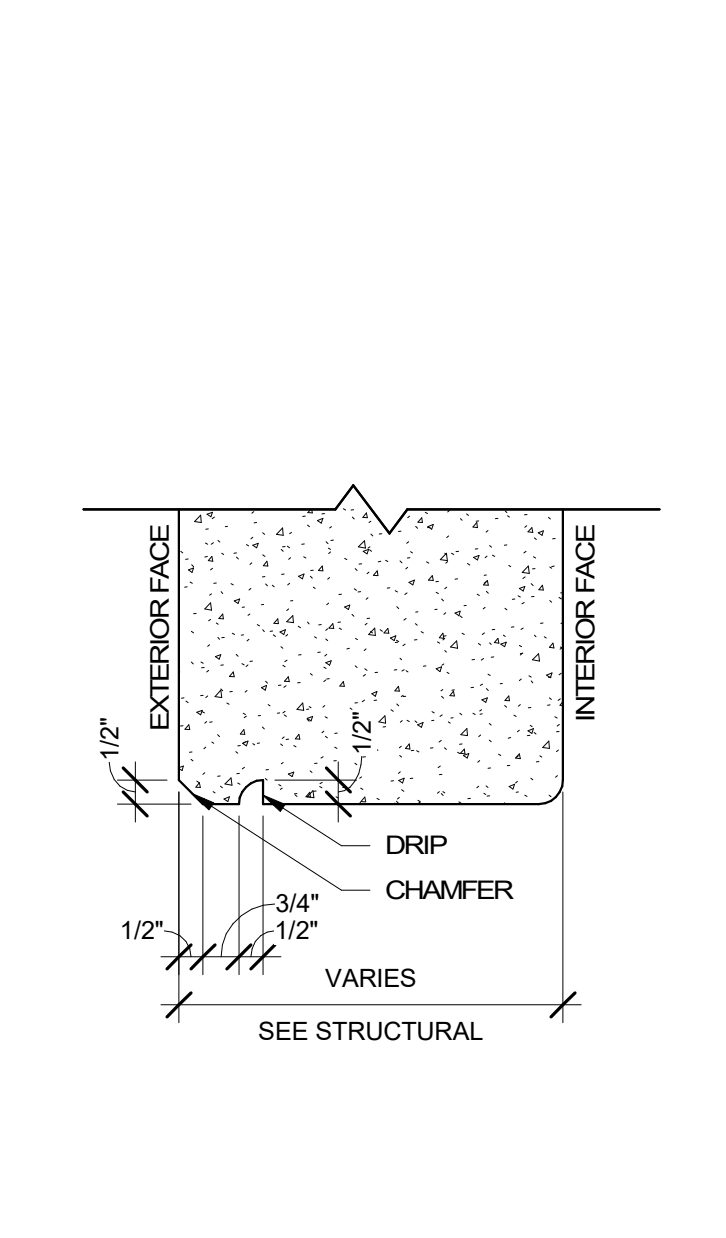
JOB NO. **2200502.00**



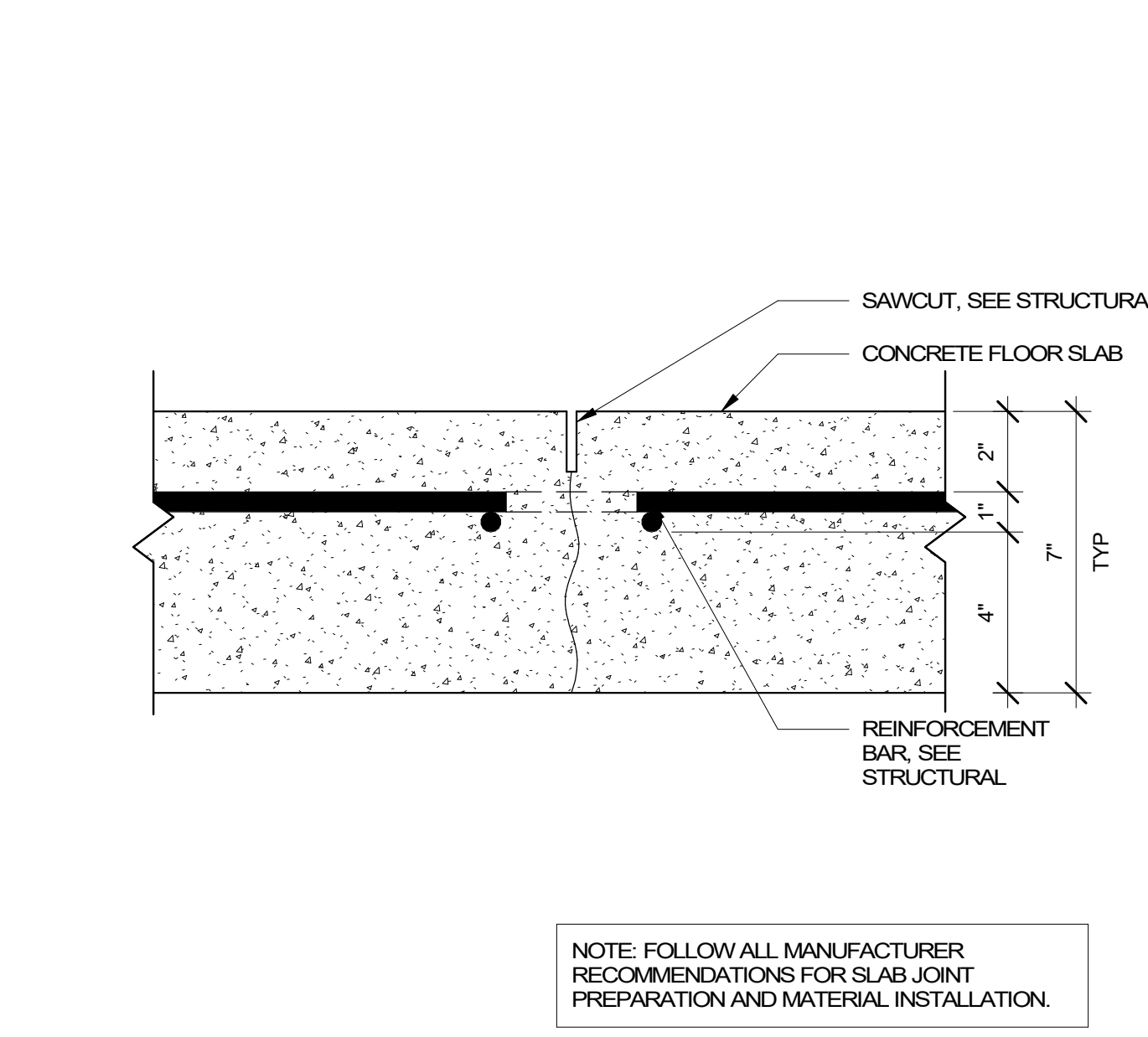
1 END TO END CONNECTION
 A5.11 3' = 1'-0"



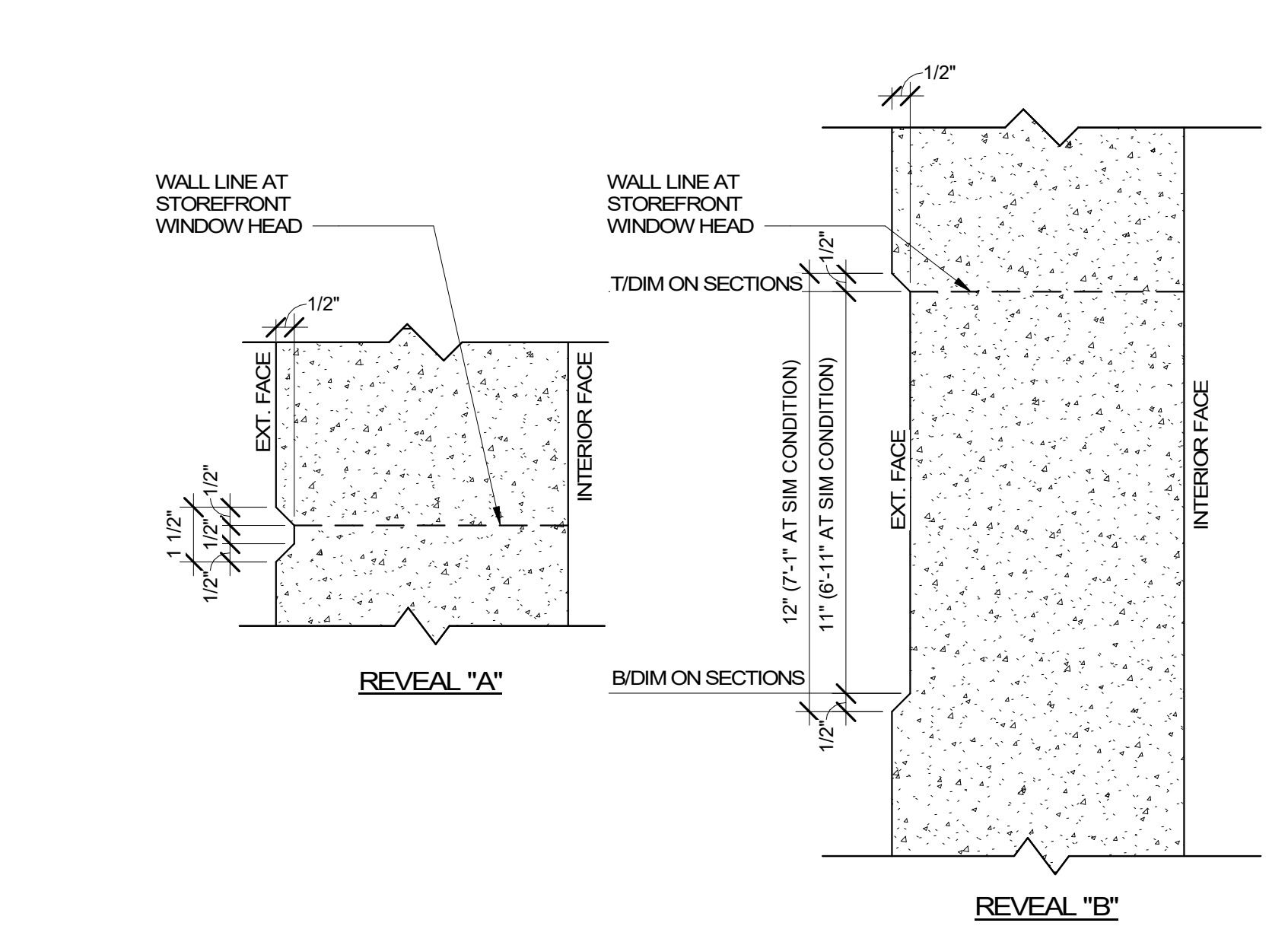
2 CORNER CONNECTION
 A5.11 3' = 1'-0"



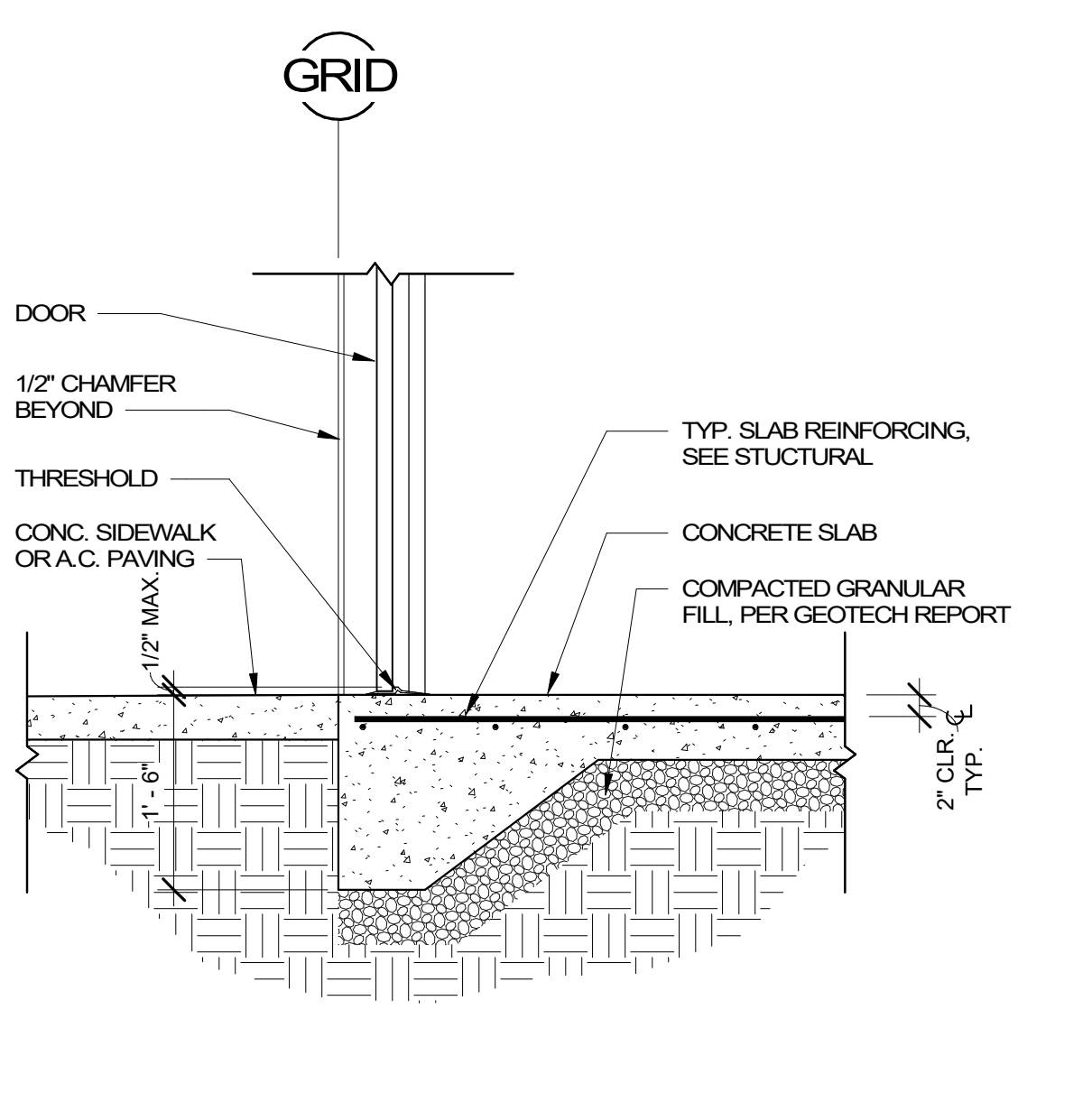
3 DRIP EDGE
 A5.11 3' = 1'-0"



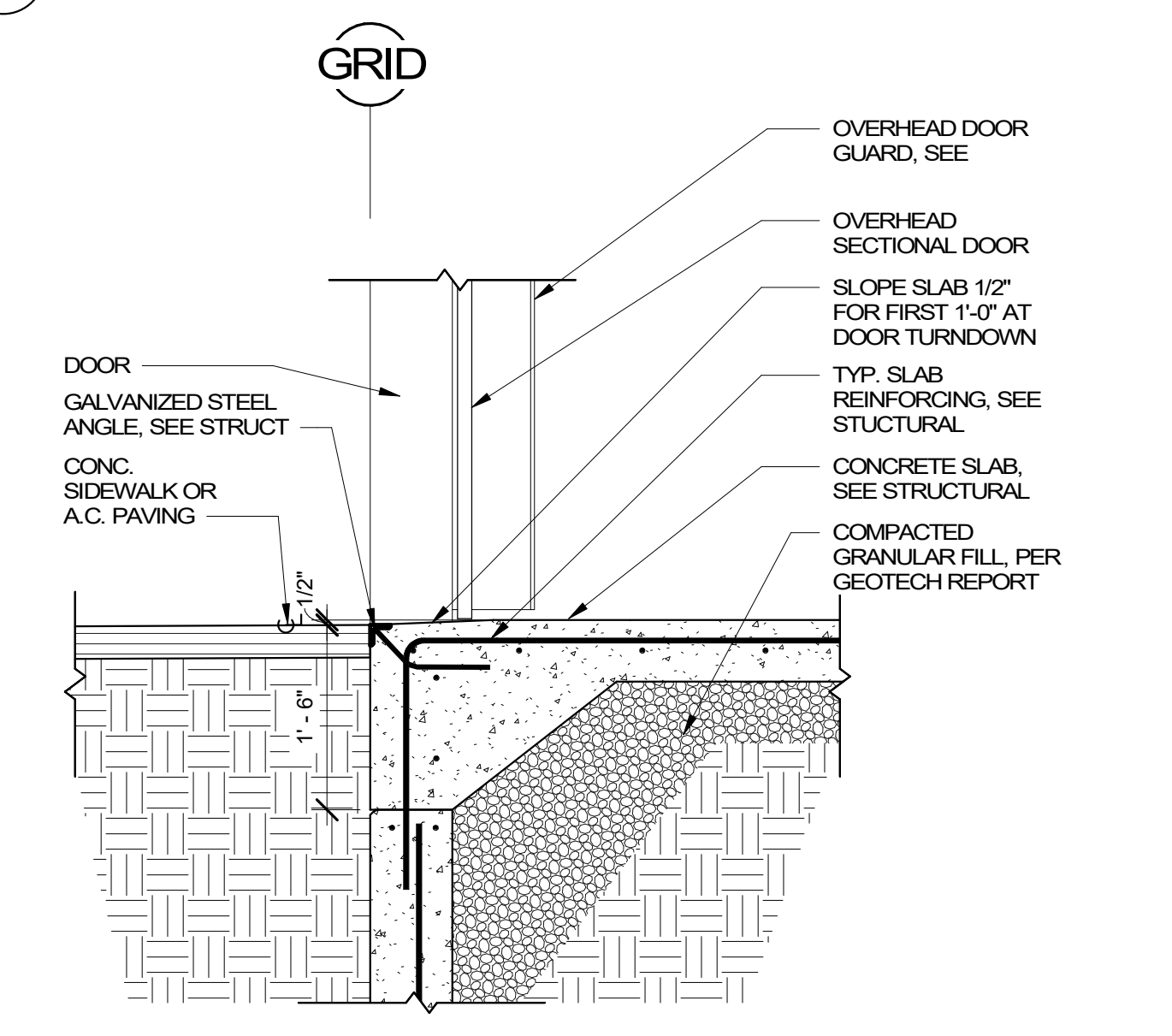
4 FLOOR JOINT
 A5.11 3' = 1'-0"



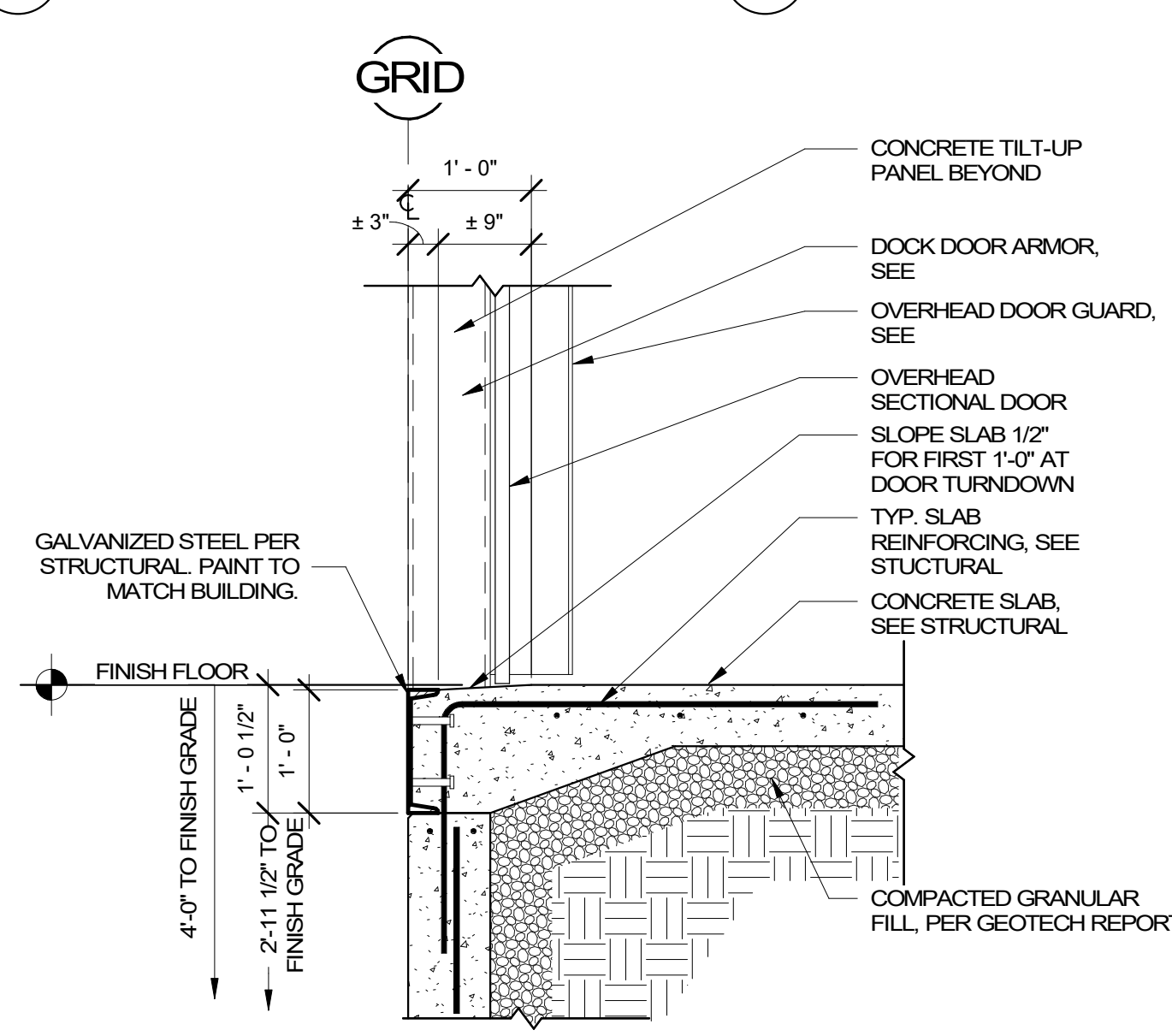
5 CONCRETE REVEALS
 A5.11 3' = 1'-0"



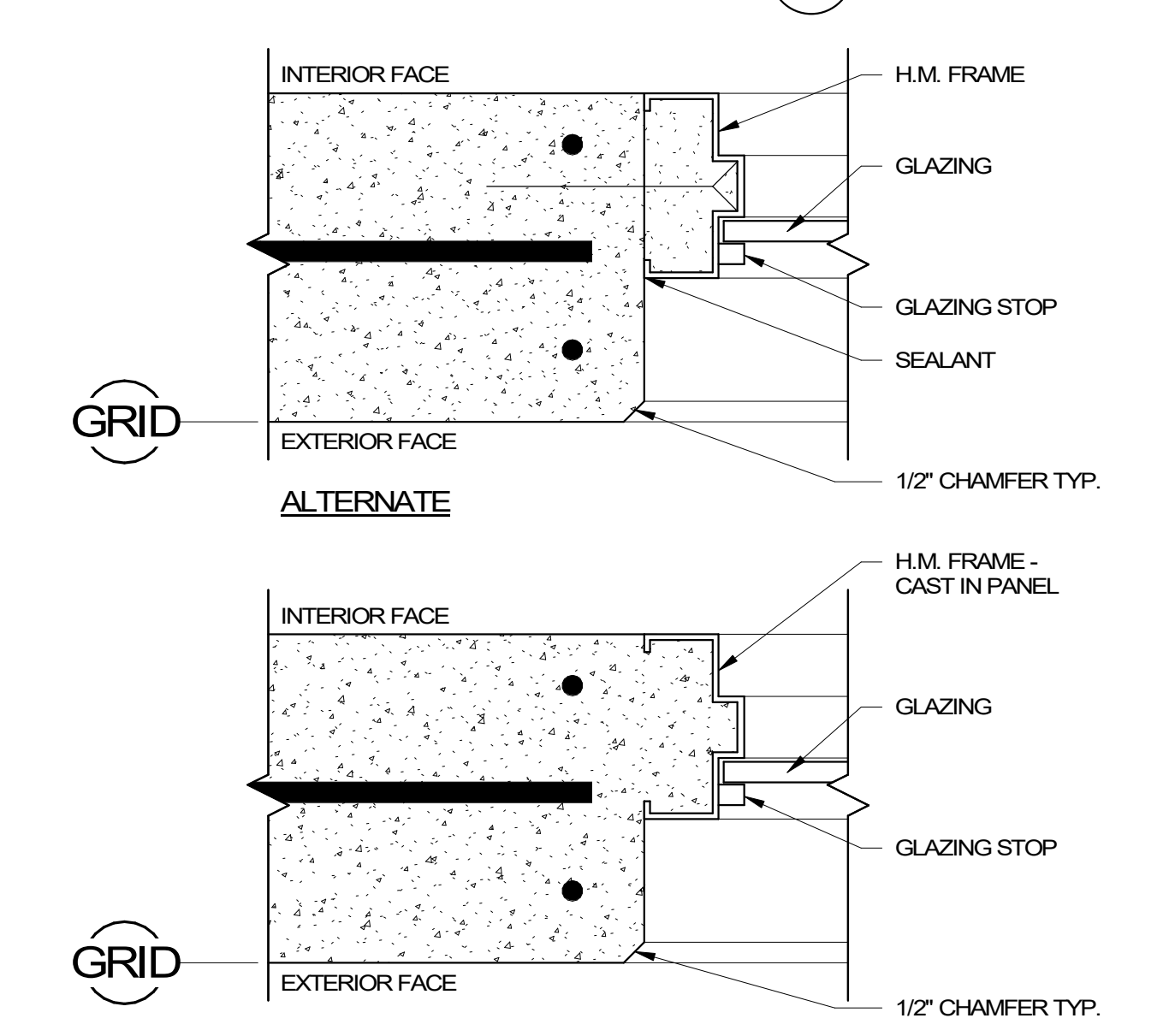
6 SLAB AT PERSONNEL DOOR
 A5.11 3/4" = 1'-0"



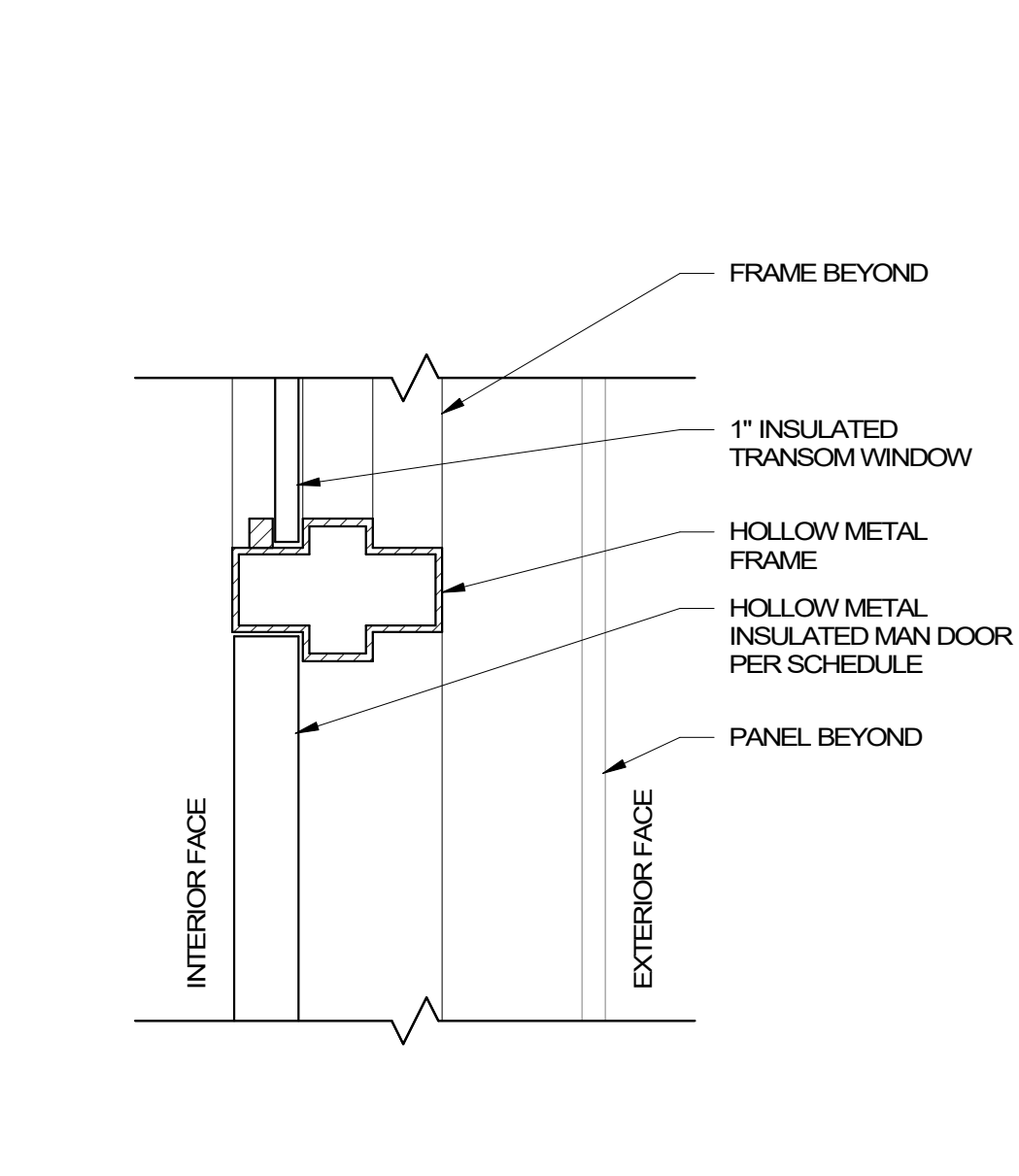
7 SLAB AT DRIVE-IN DOOR
 A5.11 3/4" = 1'-0"



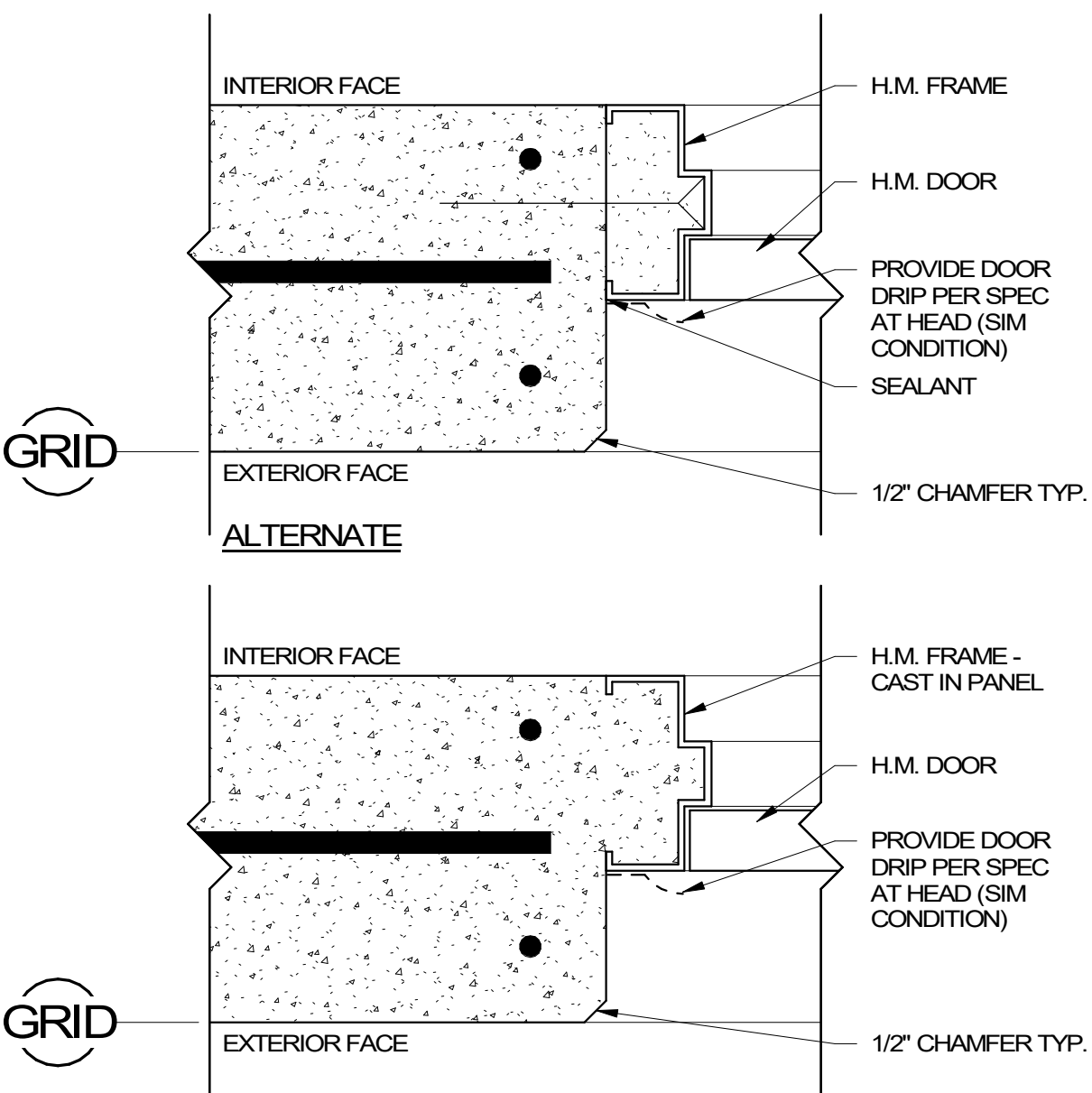
8 TURN-DOWN SLAB EDGE AT DOCK DOOR
 A5.11 3/4" = 1'-0"



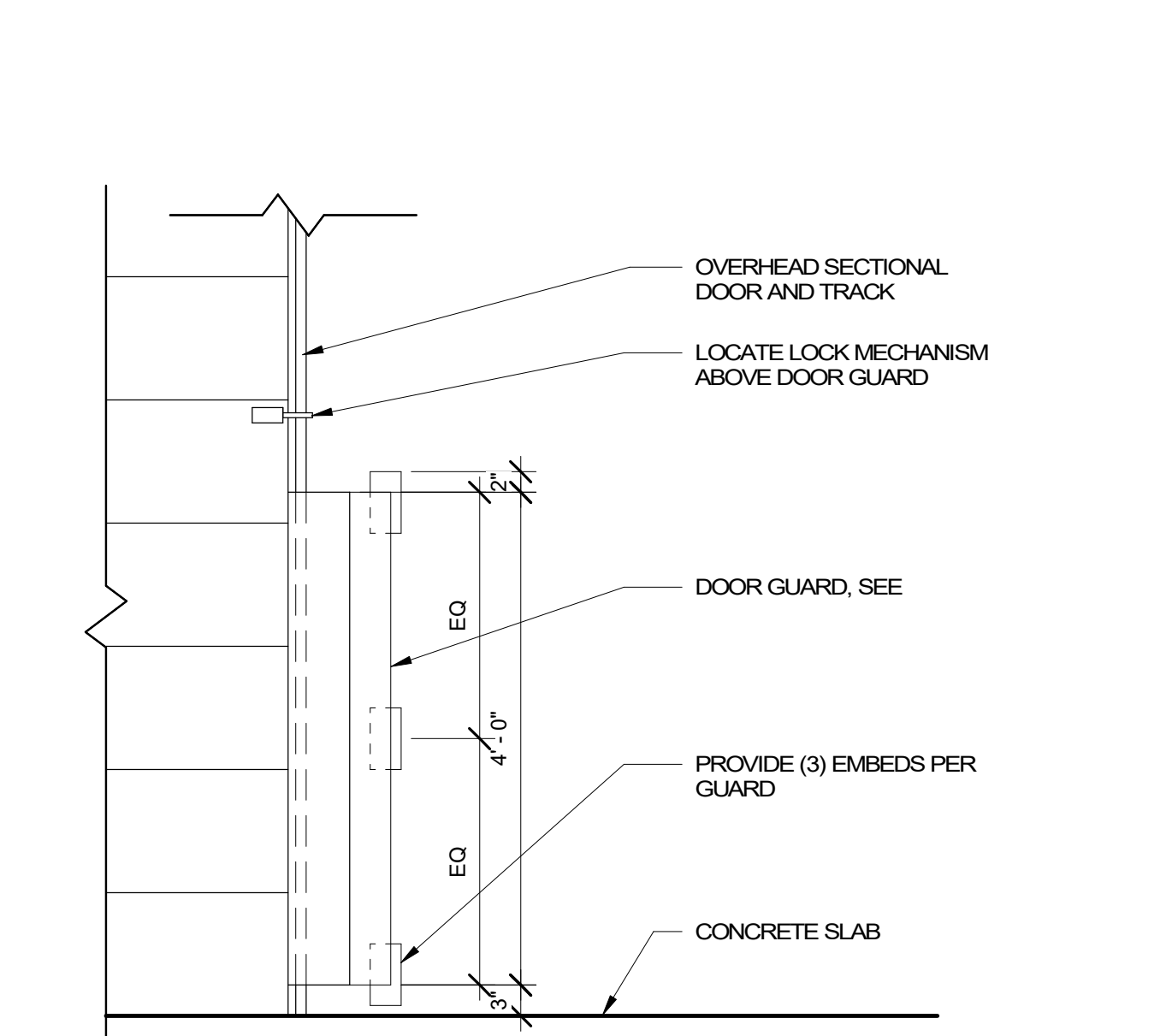
9 EXTERIOR TRANSOM WINDOW
 A5.11 3' = 1'-0"



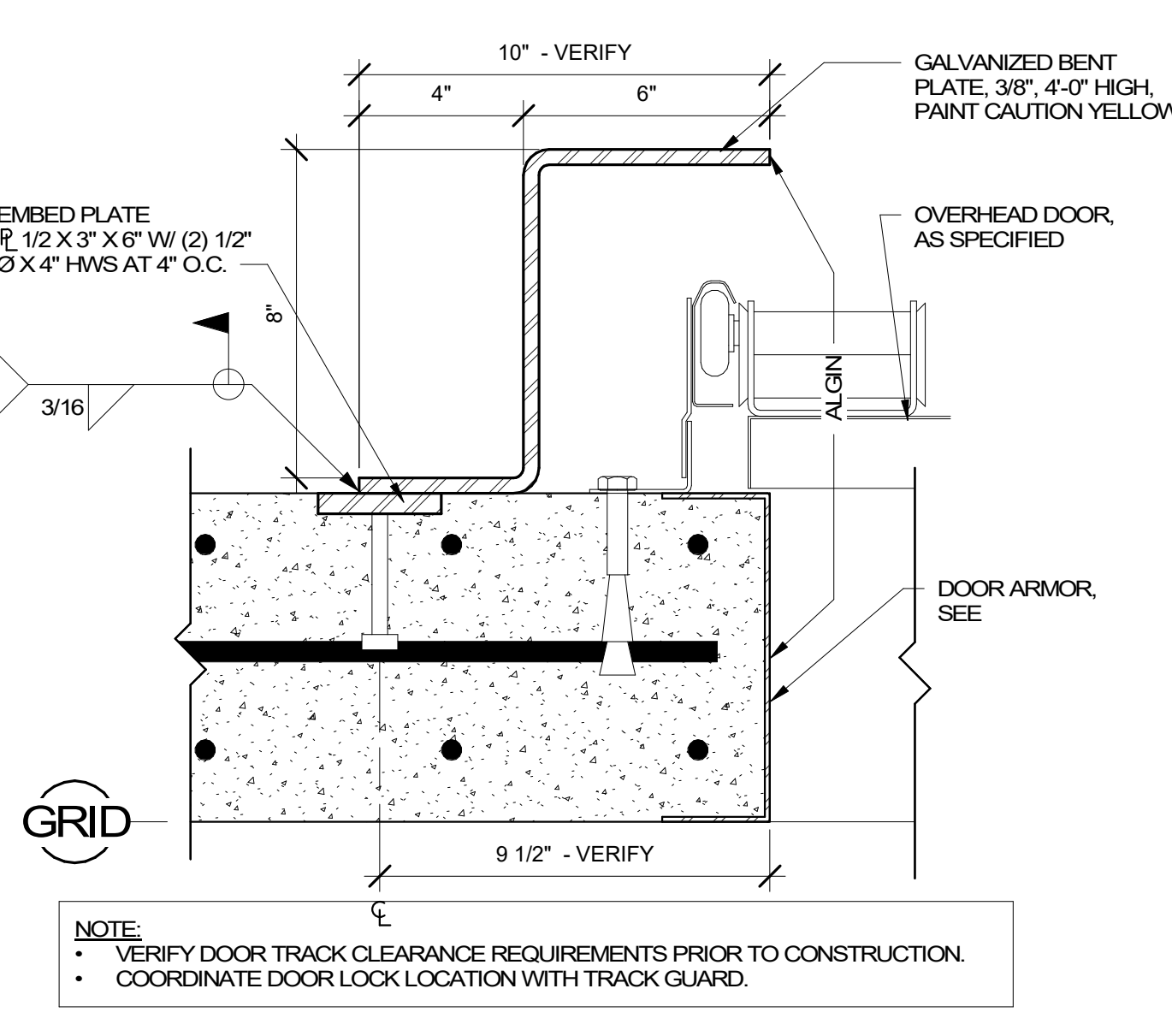
10 EXT. TRANSOM WINDOW SECTION
 A5.11 3' = 1'-0"



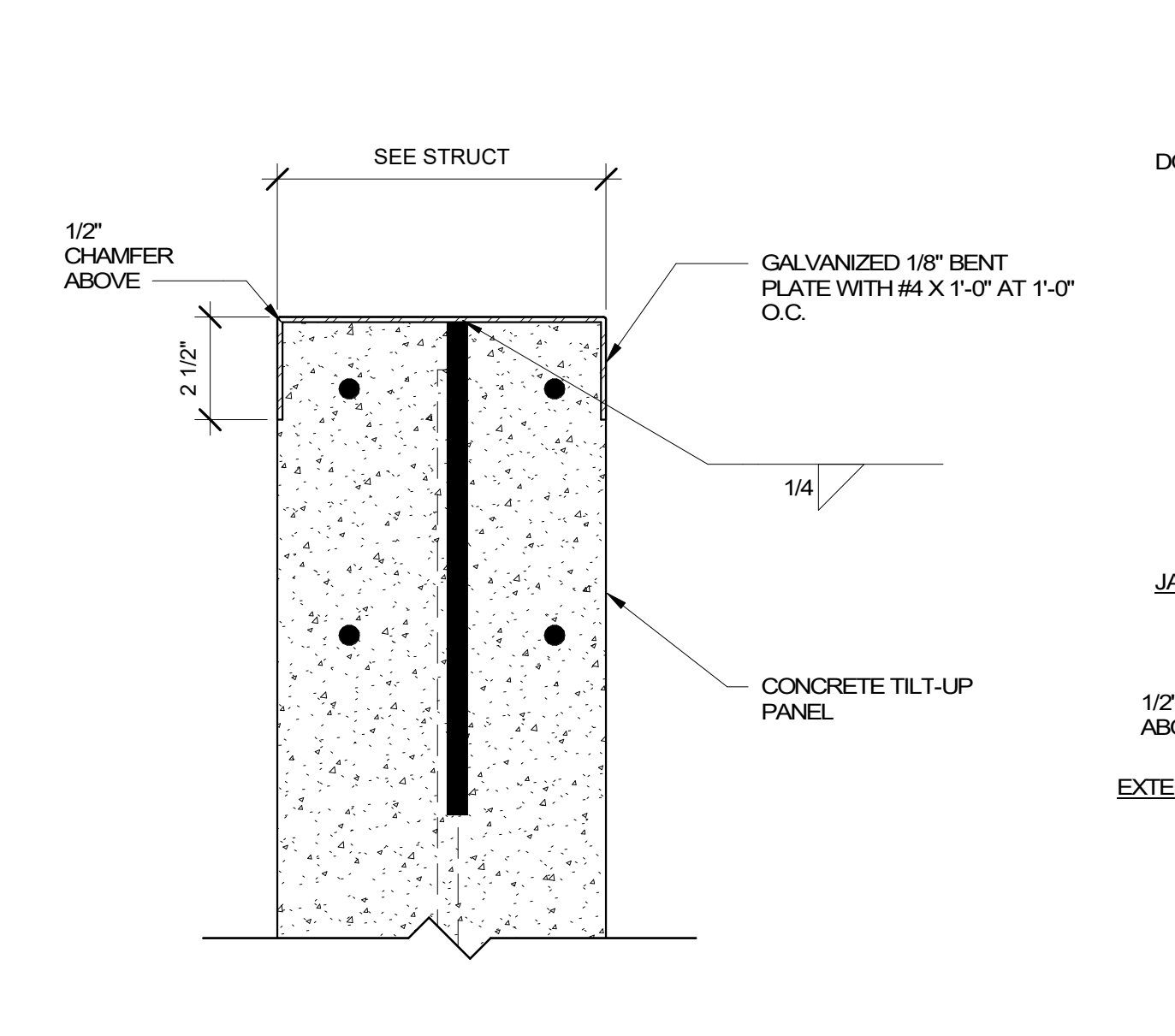
11 EXT. DOOR JAMB/HEAD
 A5.11 3' = 1'-0"



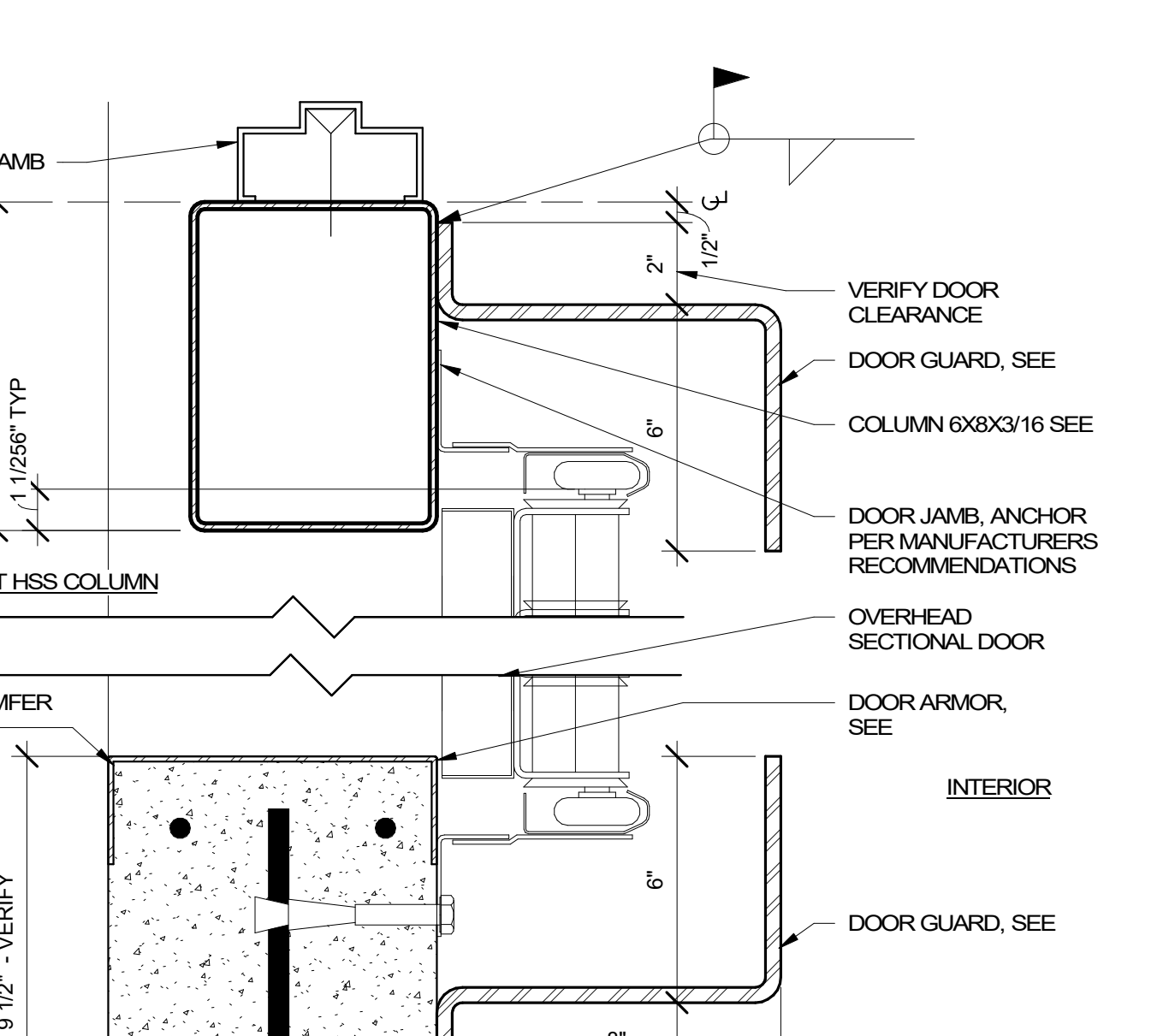
12 OVERHEAD DOOR GUARD ELEVATION
 A5.11 3/4" = 1'-0"



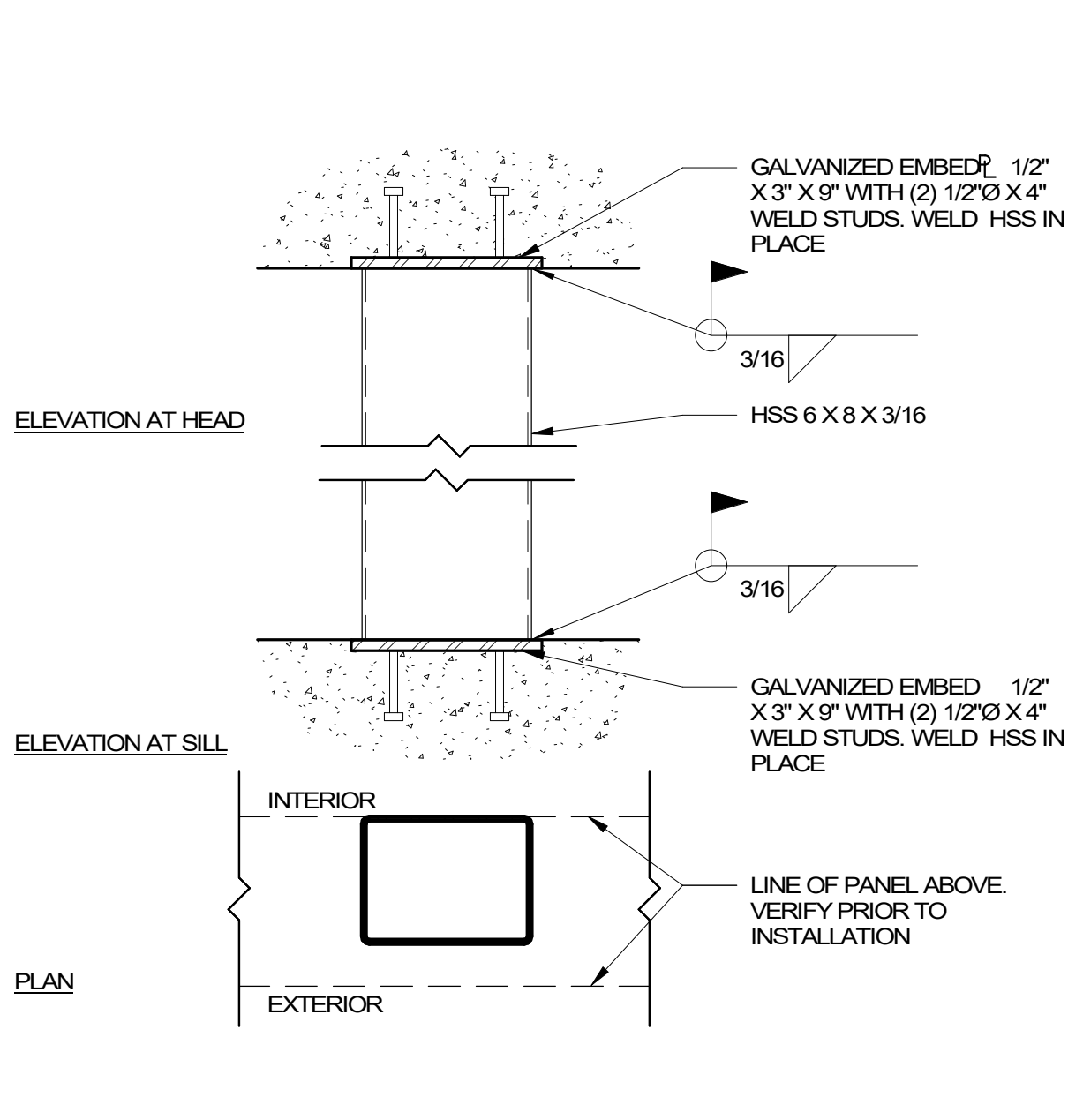
13 OVERHEAD DOOR GUARD
 A5.11 3' = 1'-0"



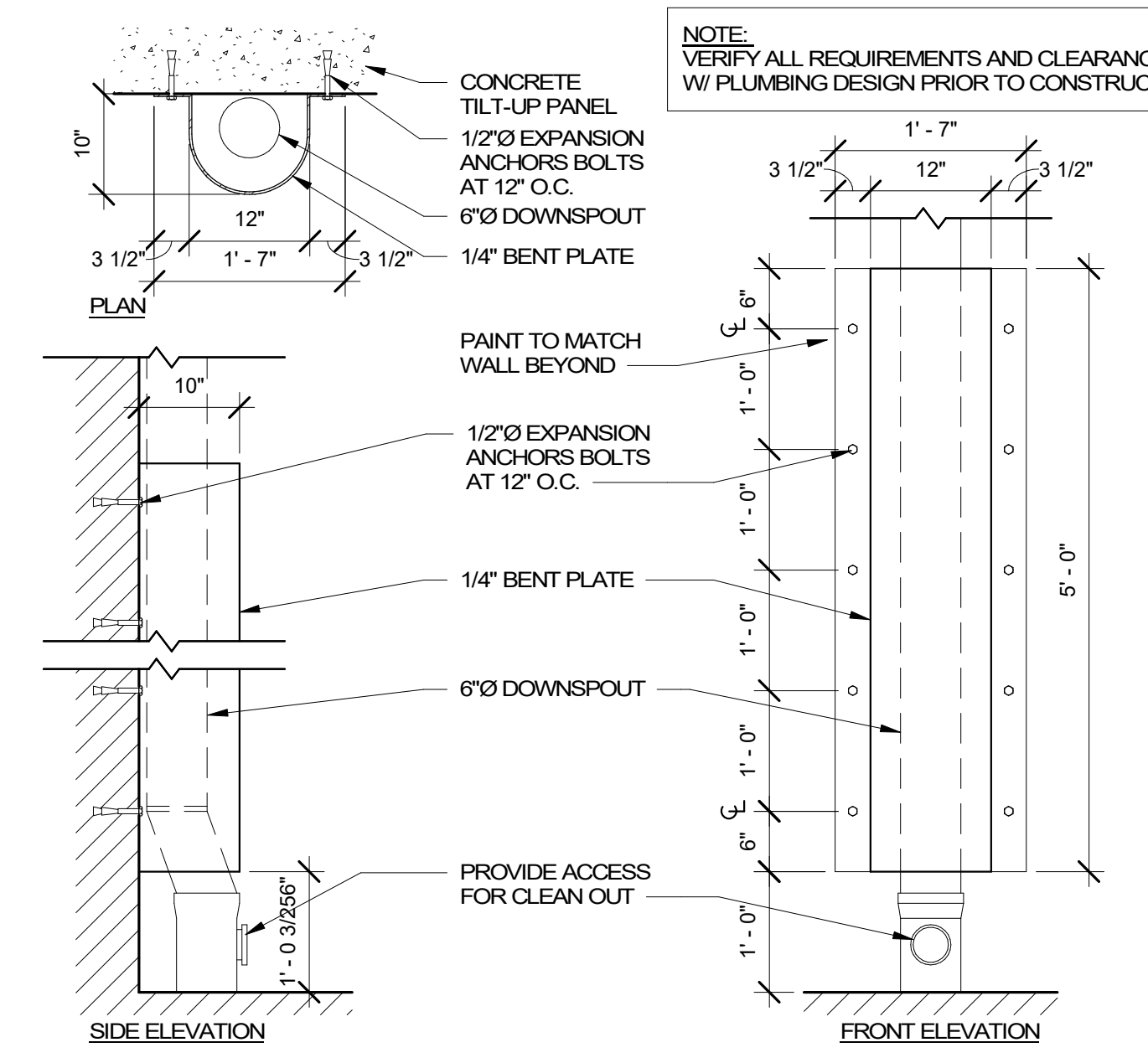
14 DOOR ARMOR
 A5.11 3' = 1'-0"



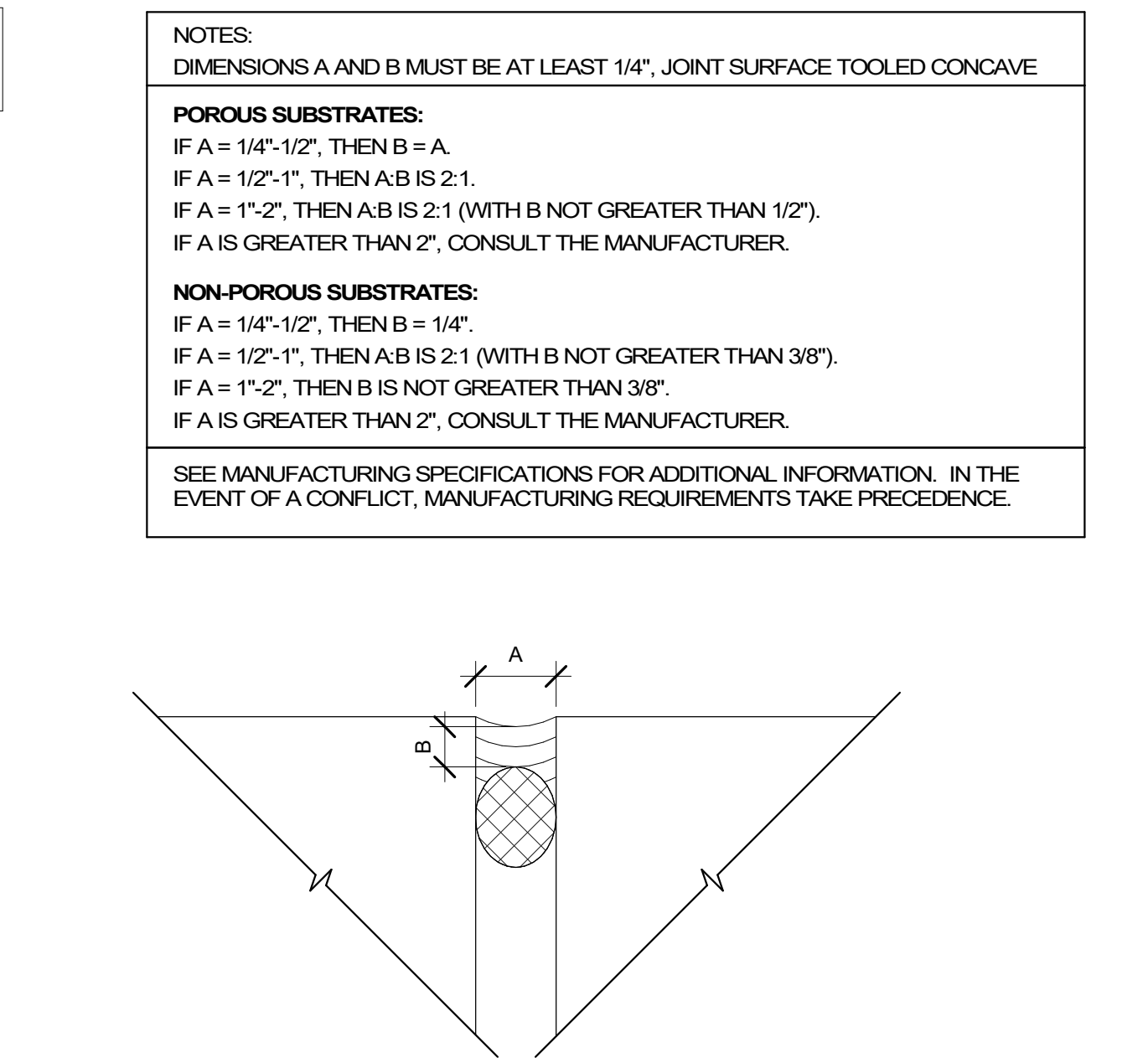
15 DRIVE-IN DOOR JAMB
 A5.11 3' = 1'-0"



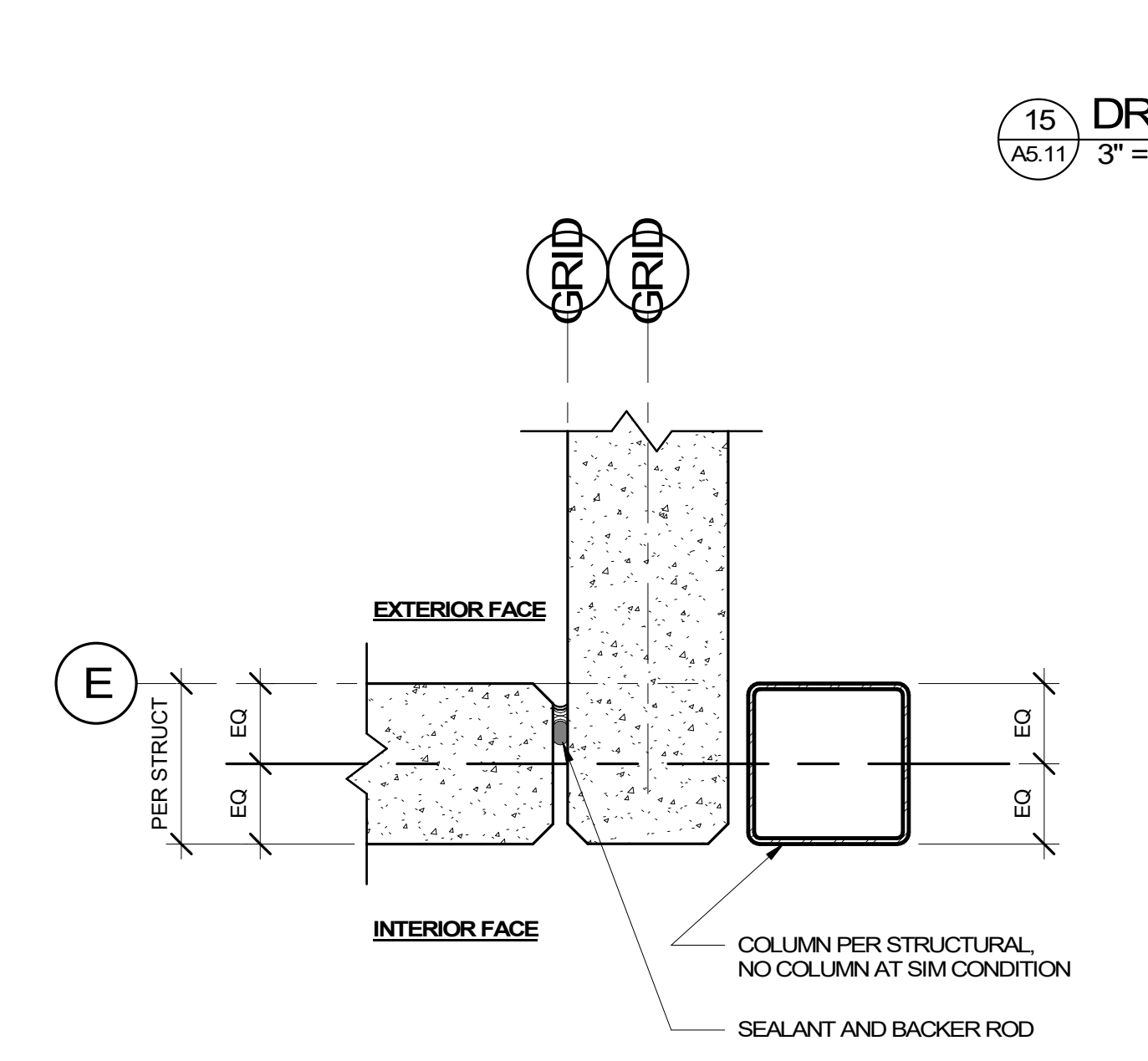
16 HSS CONNECTION AT SLAB/PANEL
 A5.11 1 1/2" = 1'-0"



17 DOWNSPOUT GUARD
 A5.11 3/4" = 1'-0"



18 TYPICAL SEALANT JOINT
 A5.11 1/2" = 1'-0"



19 COLUMN AT INSIDE CORNER
 A5.11 1 1/2" = 1'-0"



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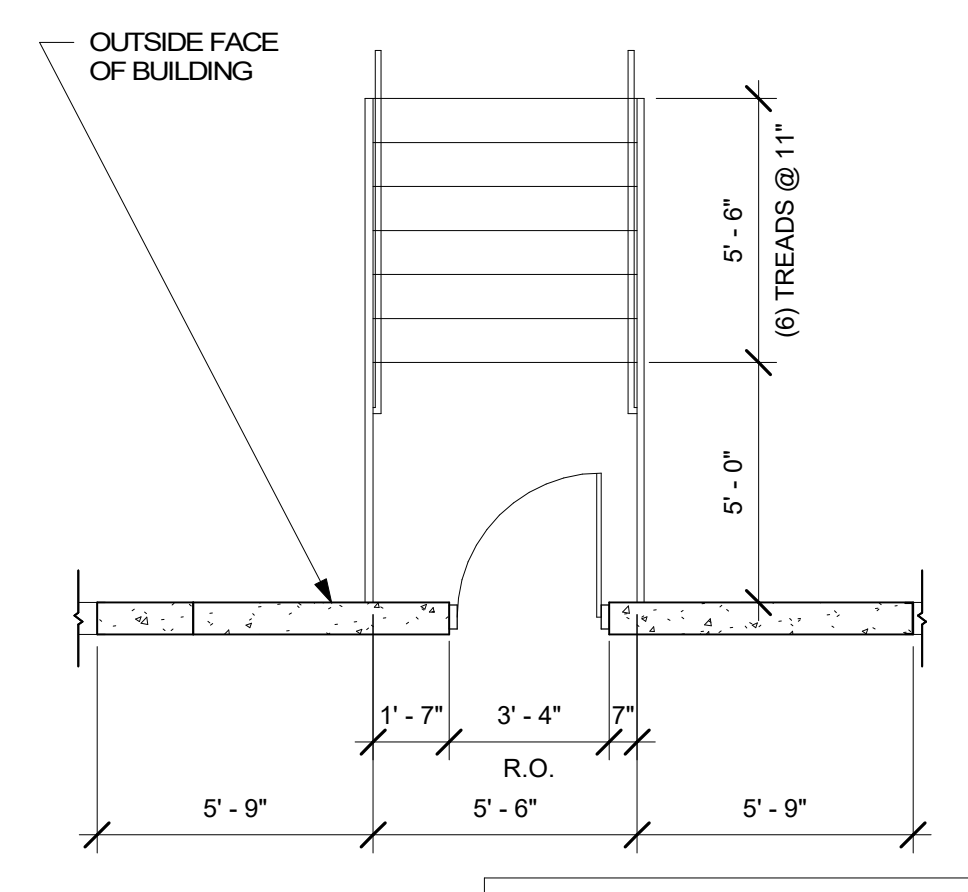
REVISION SCHEDULE		
Delta	Issued As	Issue Date

SHEET TITLE:
EXTERIOR DETAILS

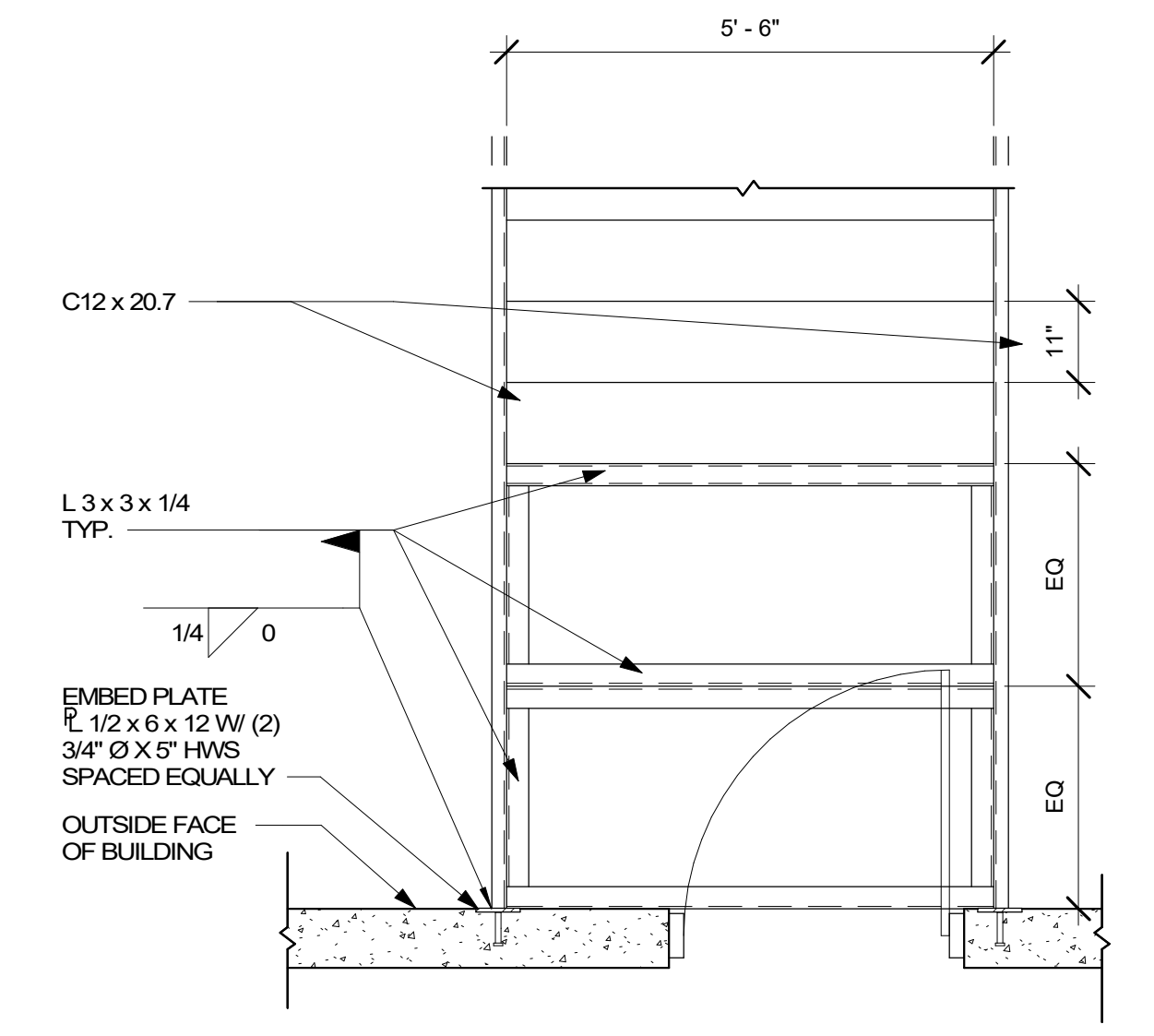
SHEET

A5.11

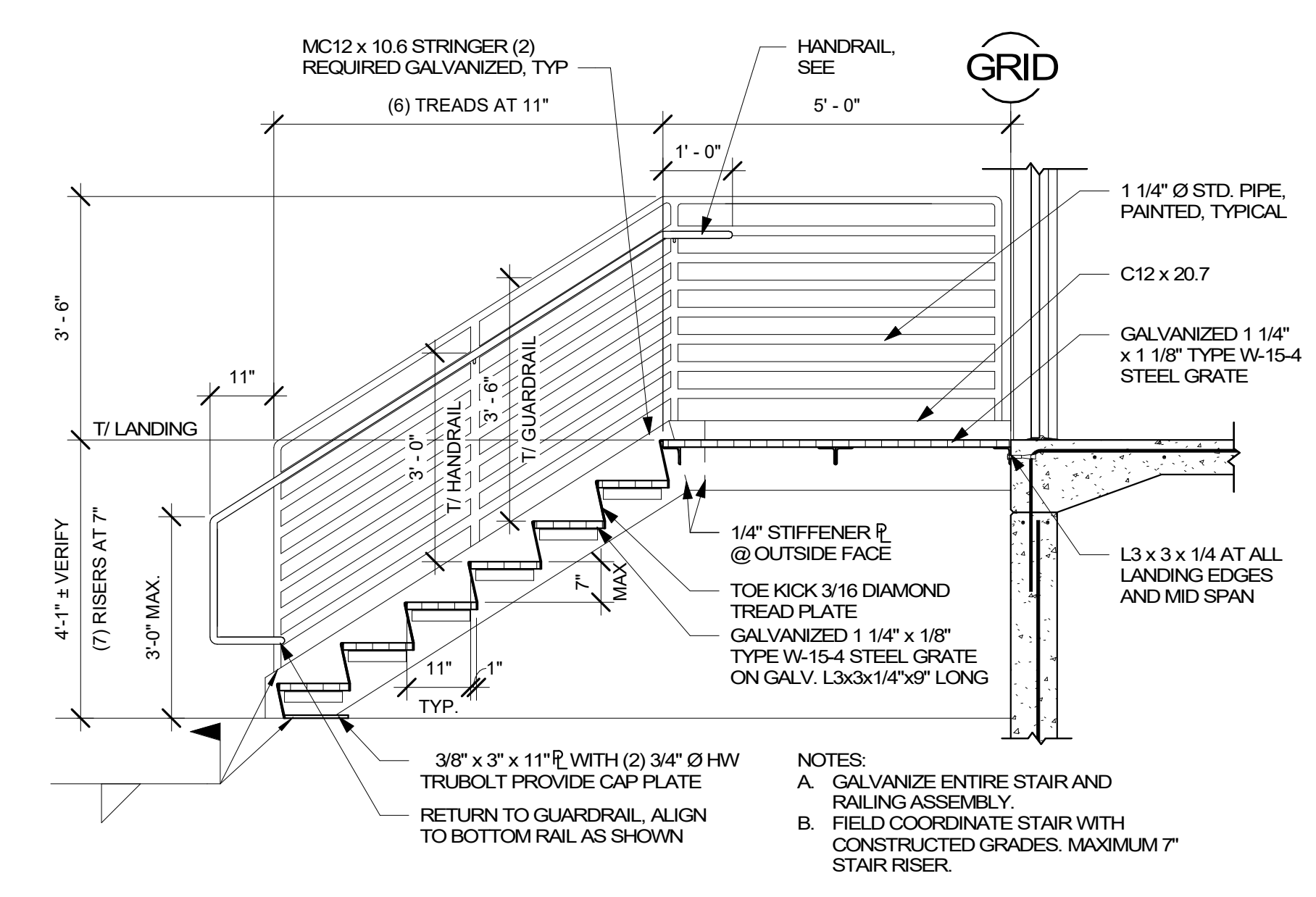
JOB NO. **2200502.00**



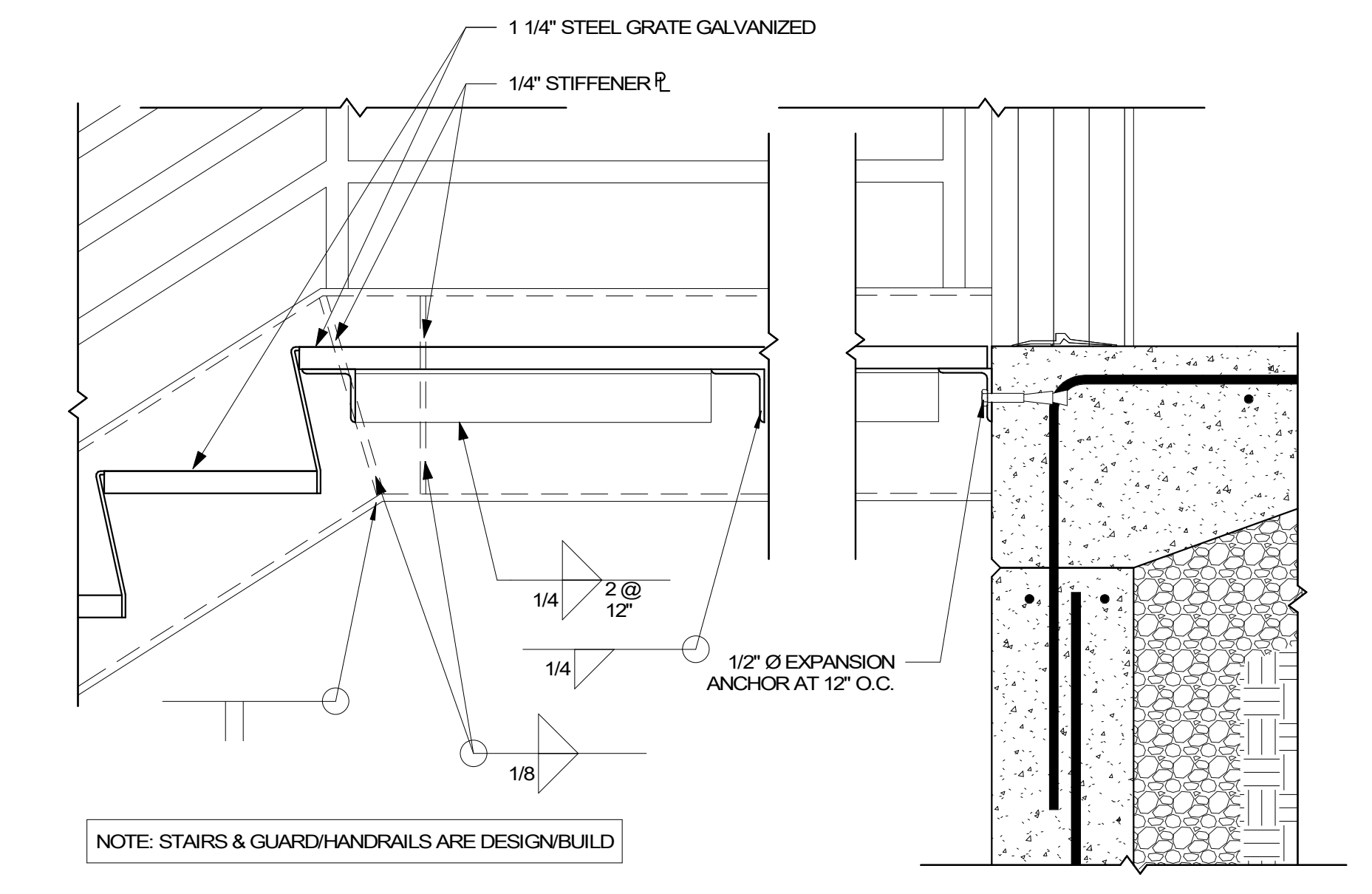
1 METAL STAIR PLAN
A5.12 1/4" = 1'-0"



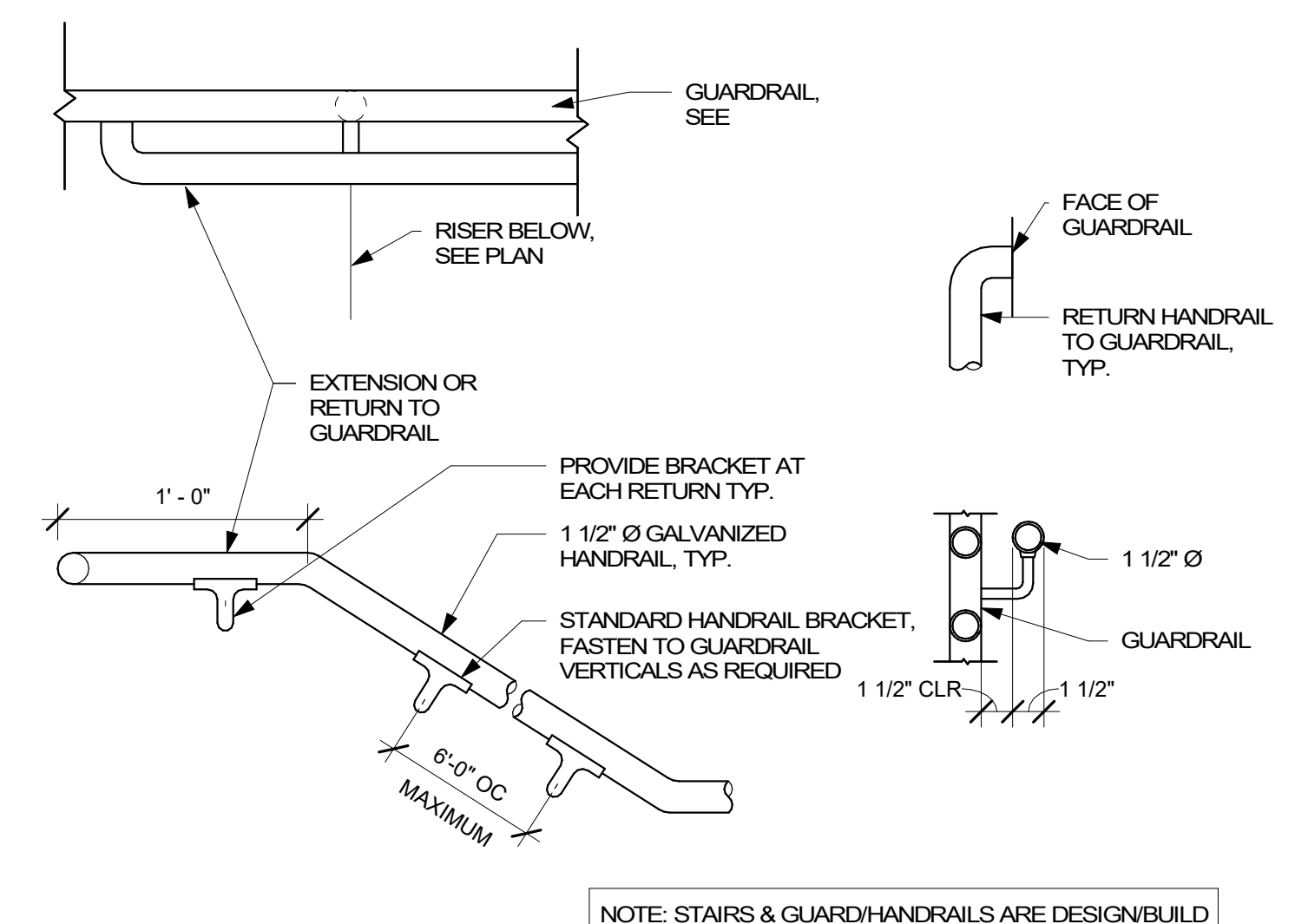
2 METAL STAIR FRAMING PLAN
A5.12 1/2" = 1'-0"



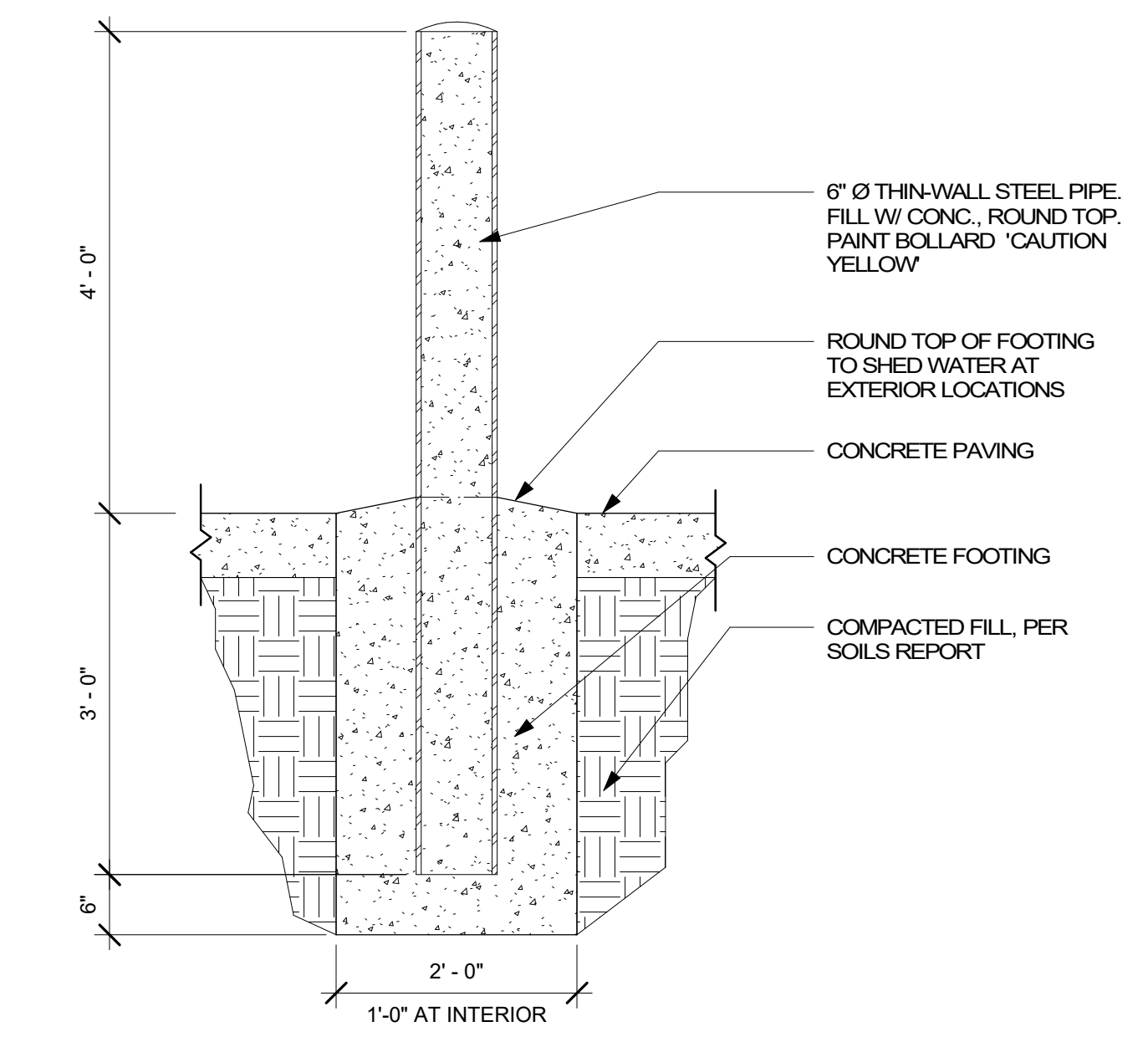
3 METAL STAIR SECTION
A5.12 1/2" = 1'-0"



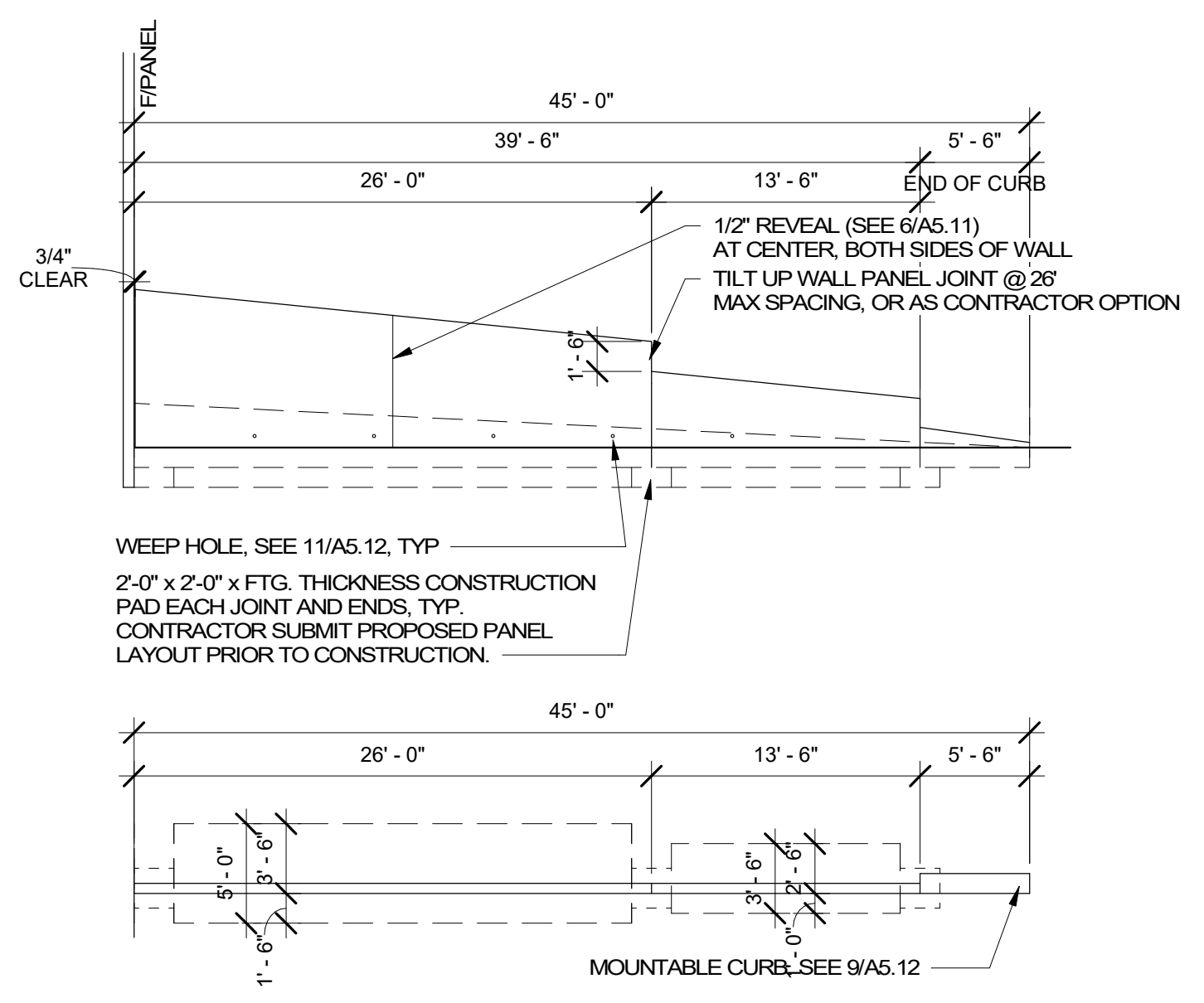
4 STAIR LANDING SECTION
A5.12 1 1/2" = 1'-0"



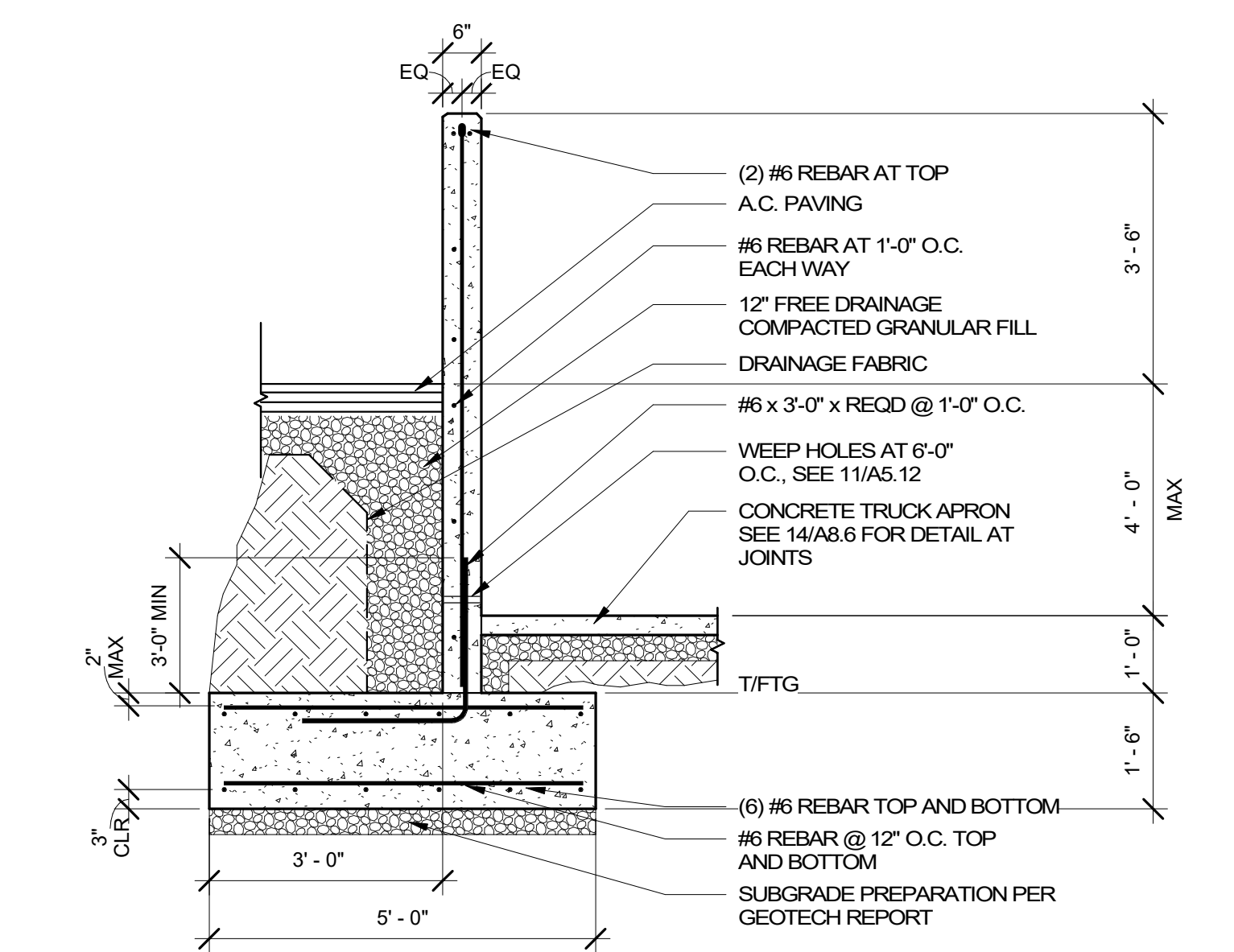
5 TYPICAL HANDRAIL
A5.12 1 1/2" = 1'-0"



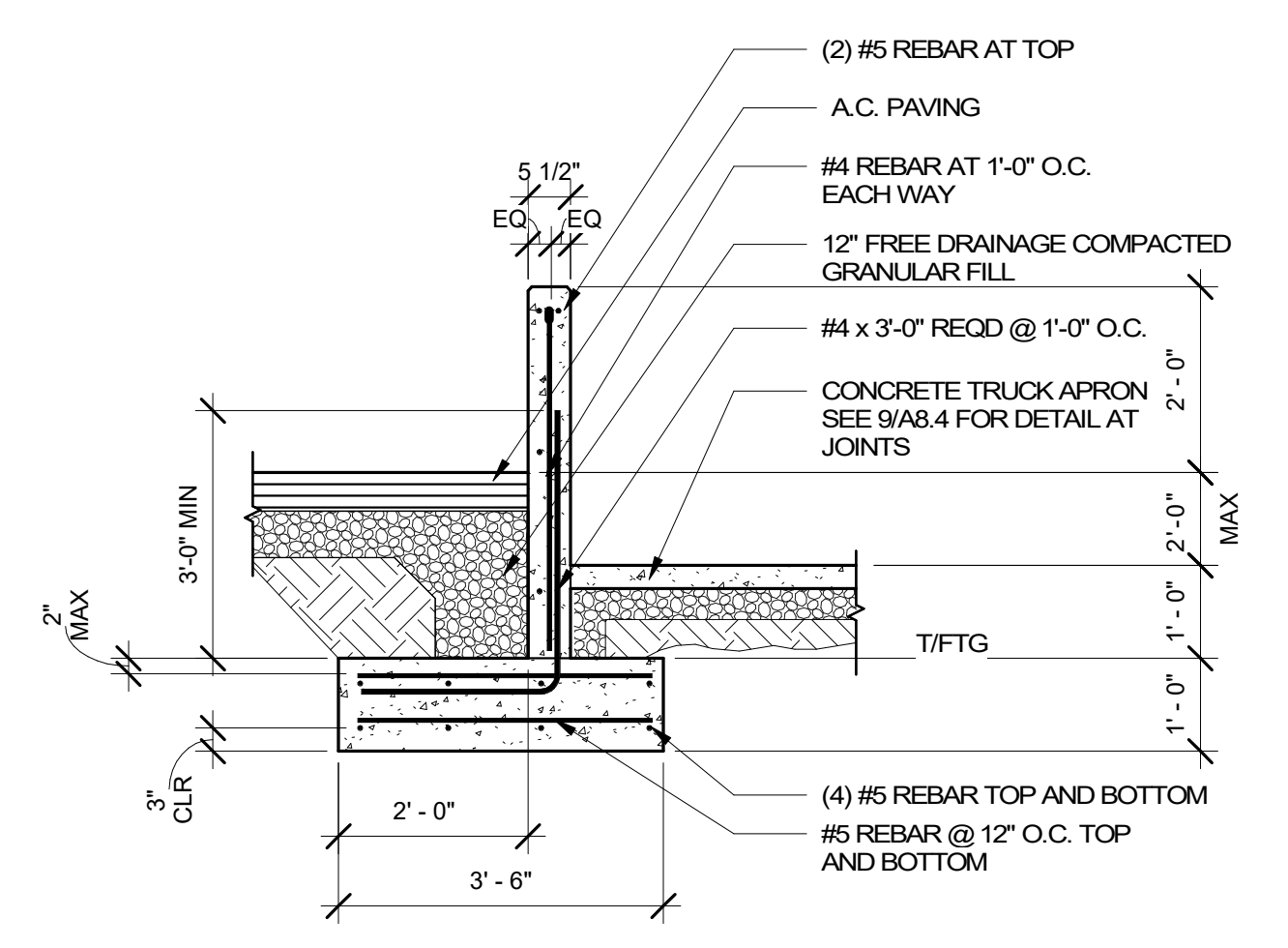
6 BOLLARD
A5.12 3/4" = 1'-0"



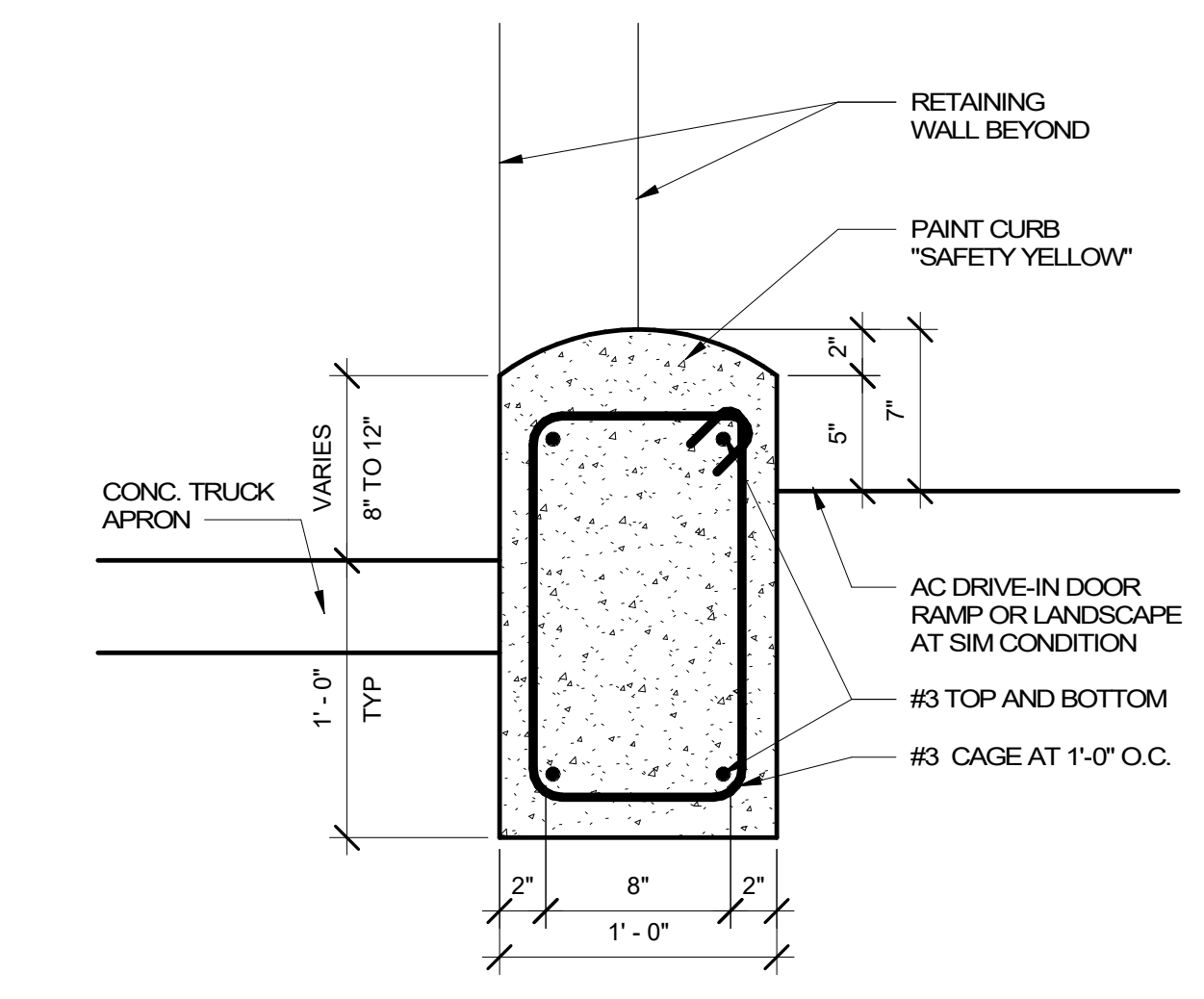
7 DOCK RETAINING WALL ELEVATION
A5.12 1/8" = 1'-0"



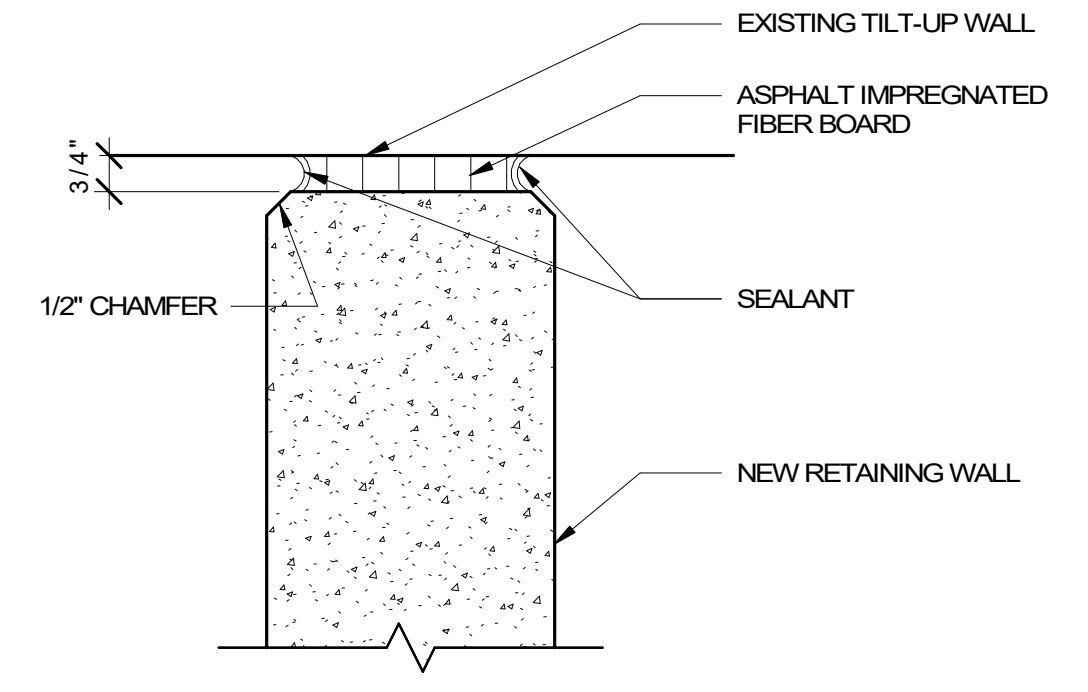
8 RETAINING WALL SECTION
A5.12 1/2" = 1'-0"



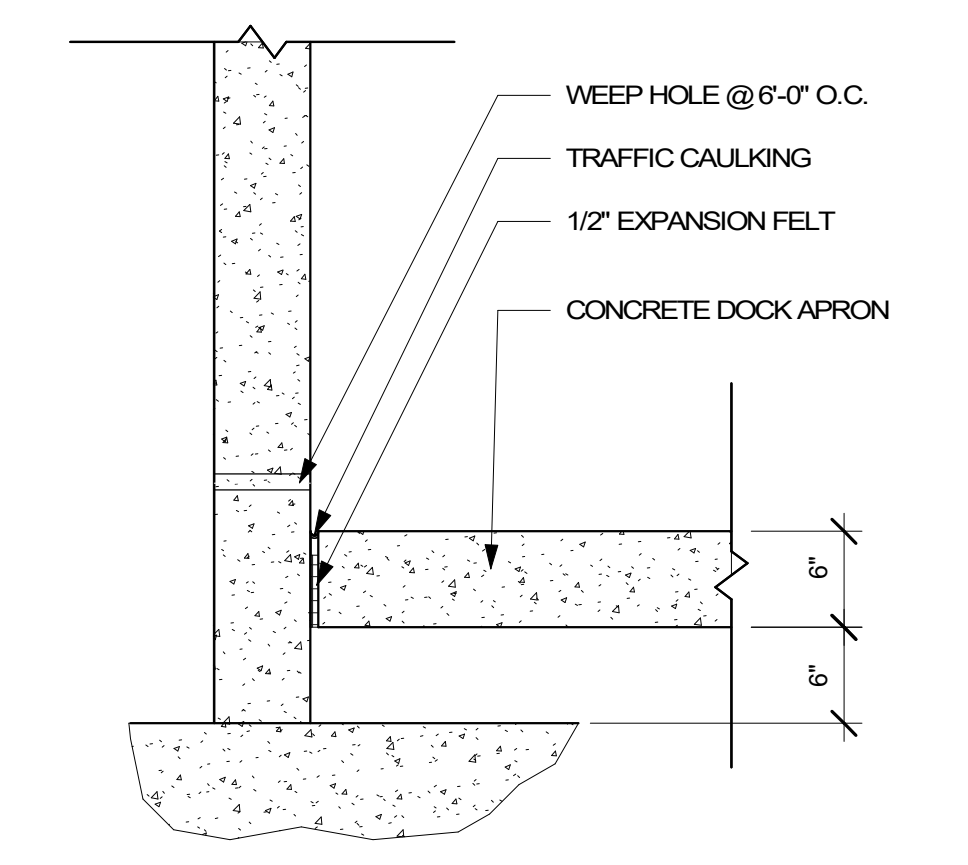
9 RETAINING WALL SECTION - LOW
A5.12 1/2" = 1'-0"



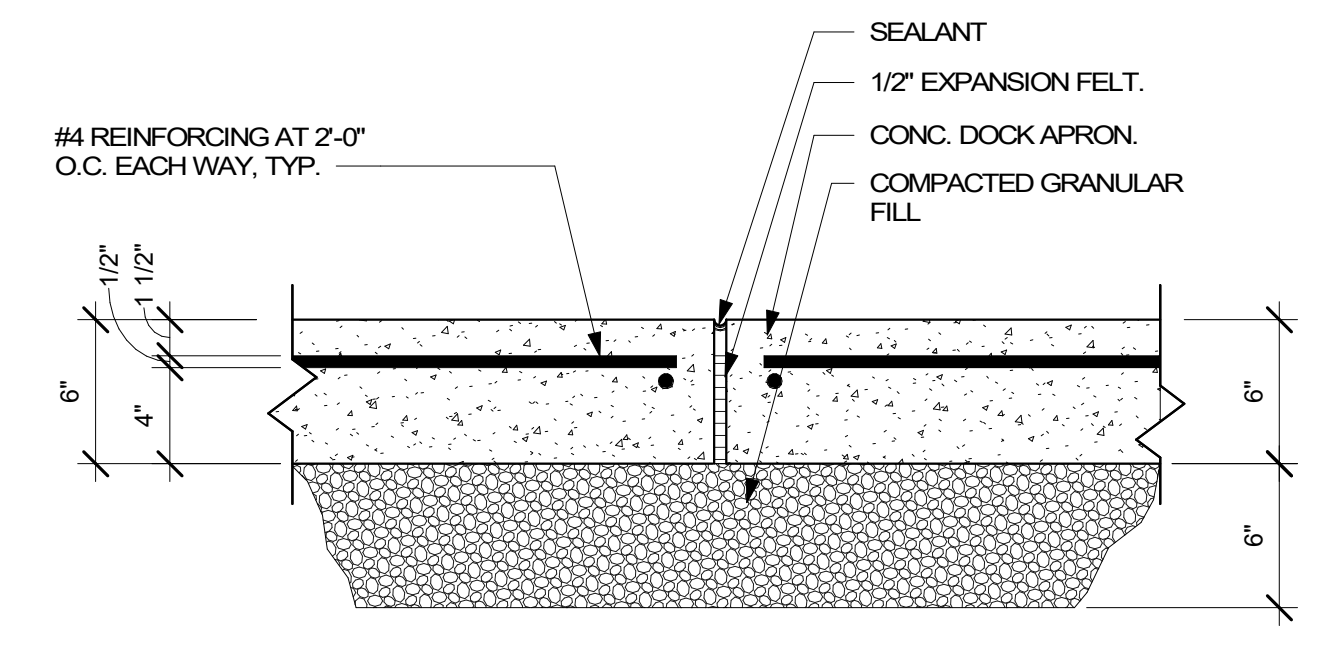
10 MOUNTABLE CURB
A5.12 1 1/2" = 1'-0"



11 RETAINING WALL JOINT
A5.12 3" = 1'-0"



12 DOCK APRON AT RETAINING WALL
A5.12 1" = 1'-0"



13 DOCK APRON JOINT
A5.12 1 1/2" = 1'-0"



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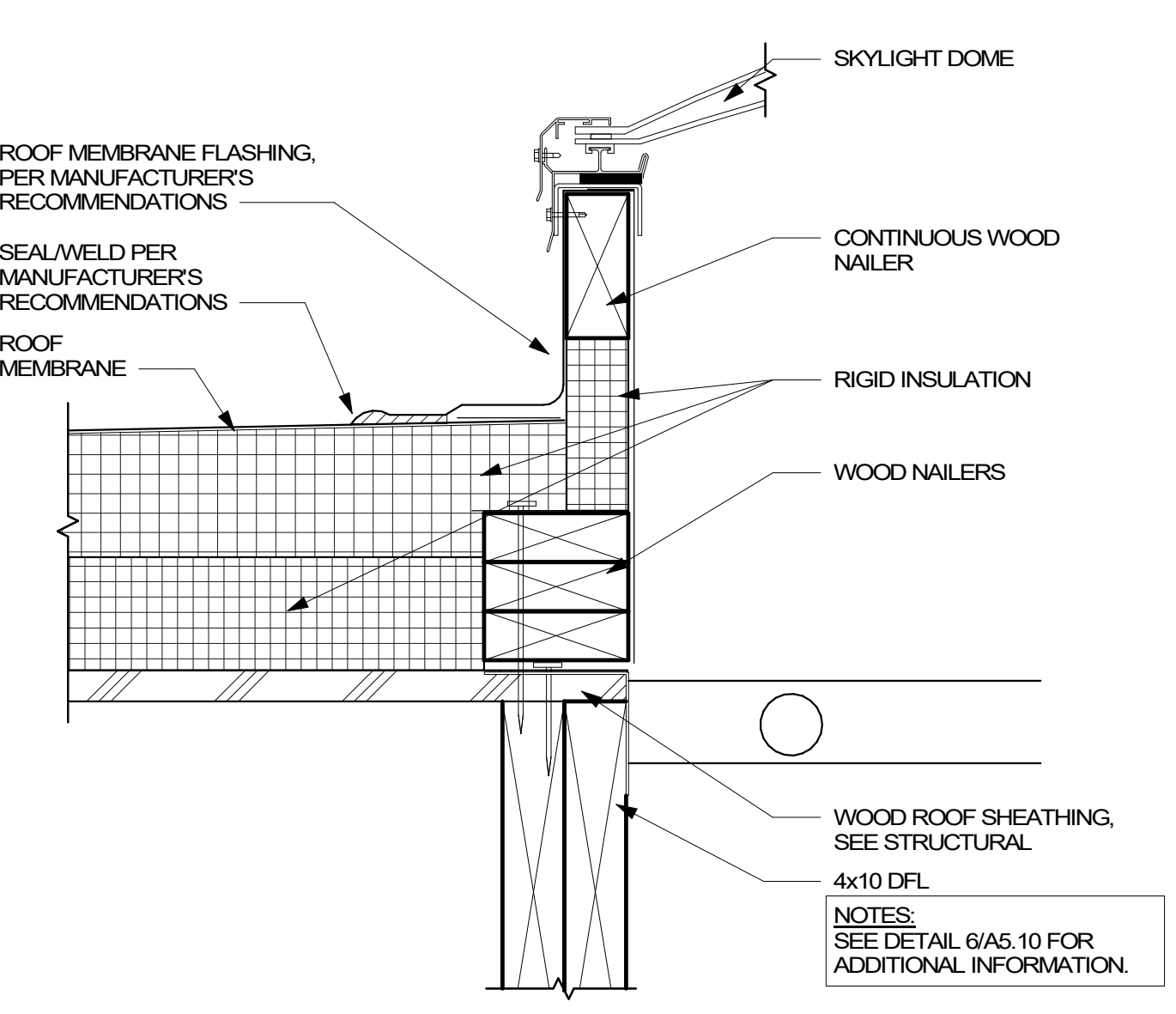
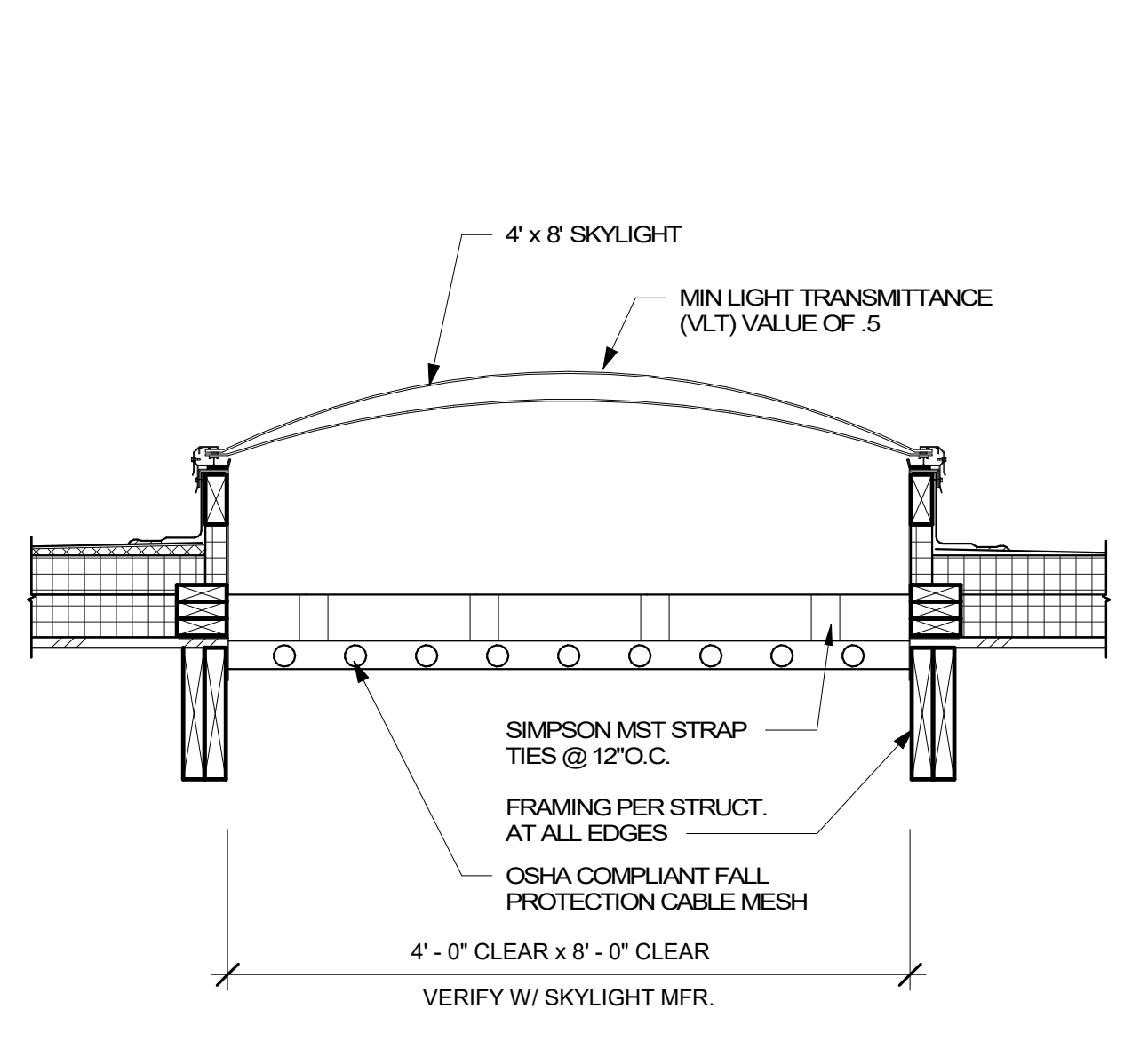
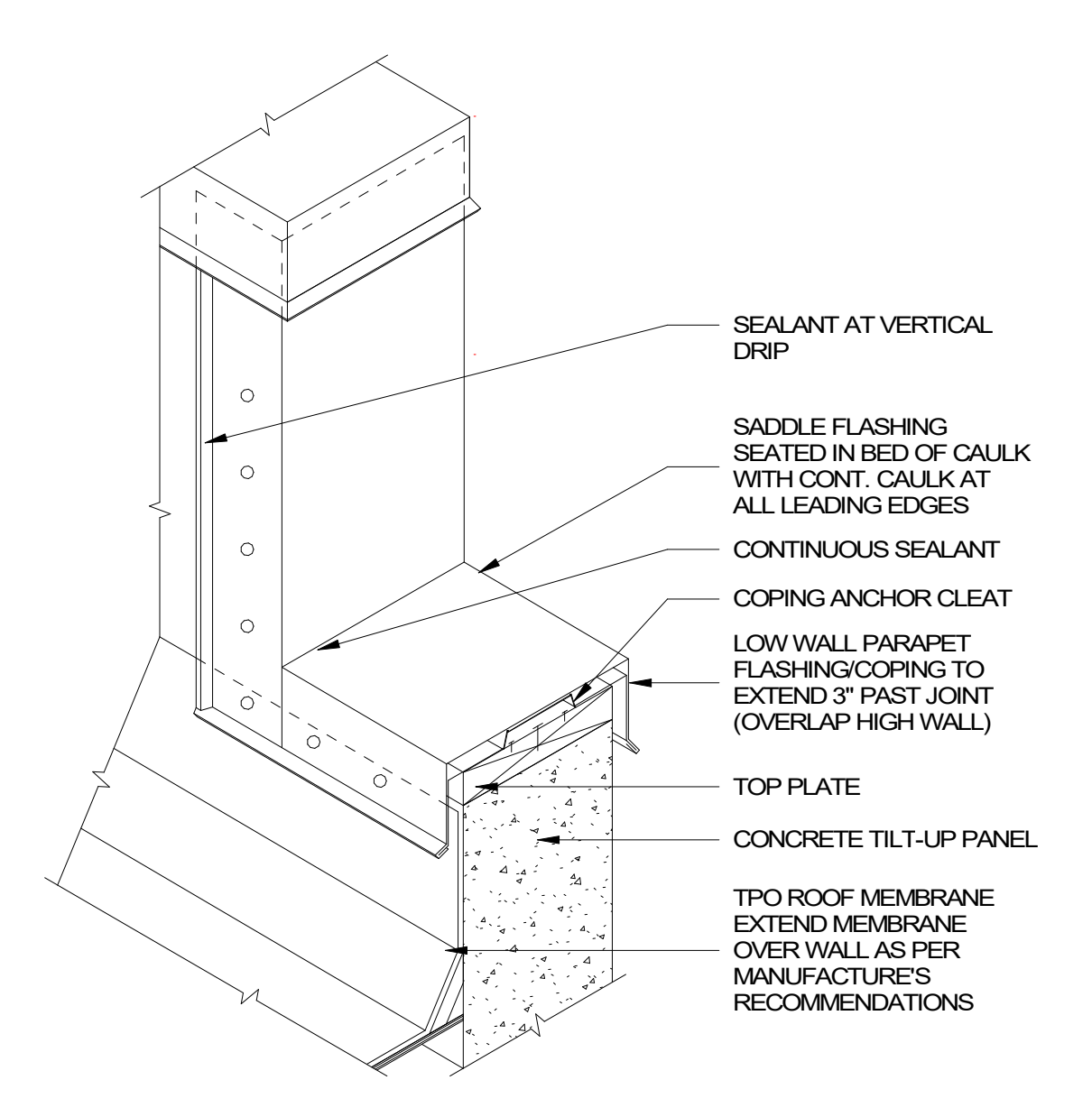
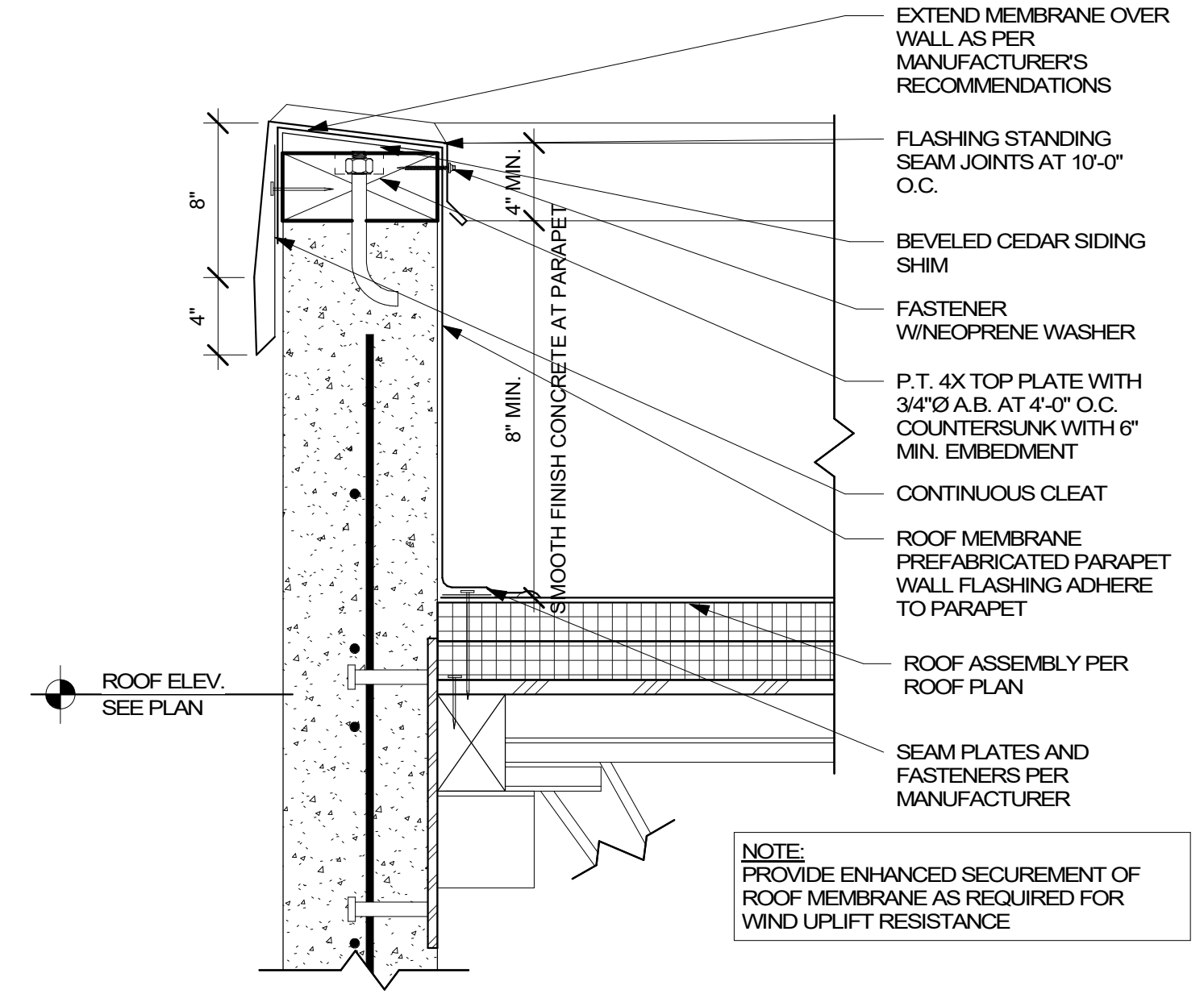
REVISION SCHEDULE		
Delta	Issued As	Issue Date

SHEET TITLE:
**EXTERIOR
DETAILS**

SHEET

A5.12

JOB NO. **2200502.00**

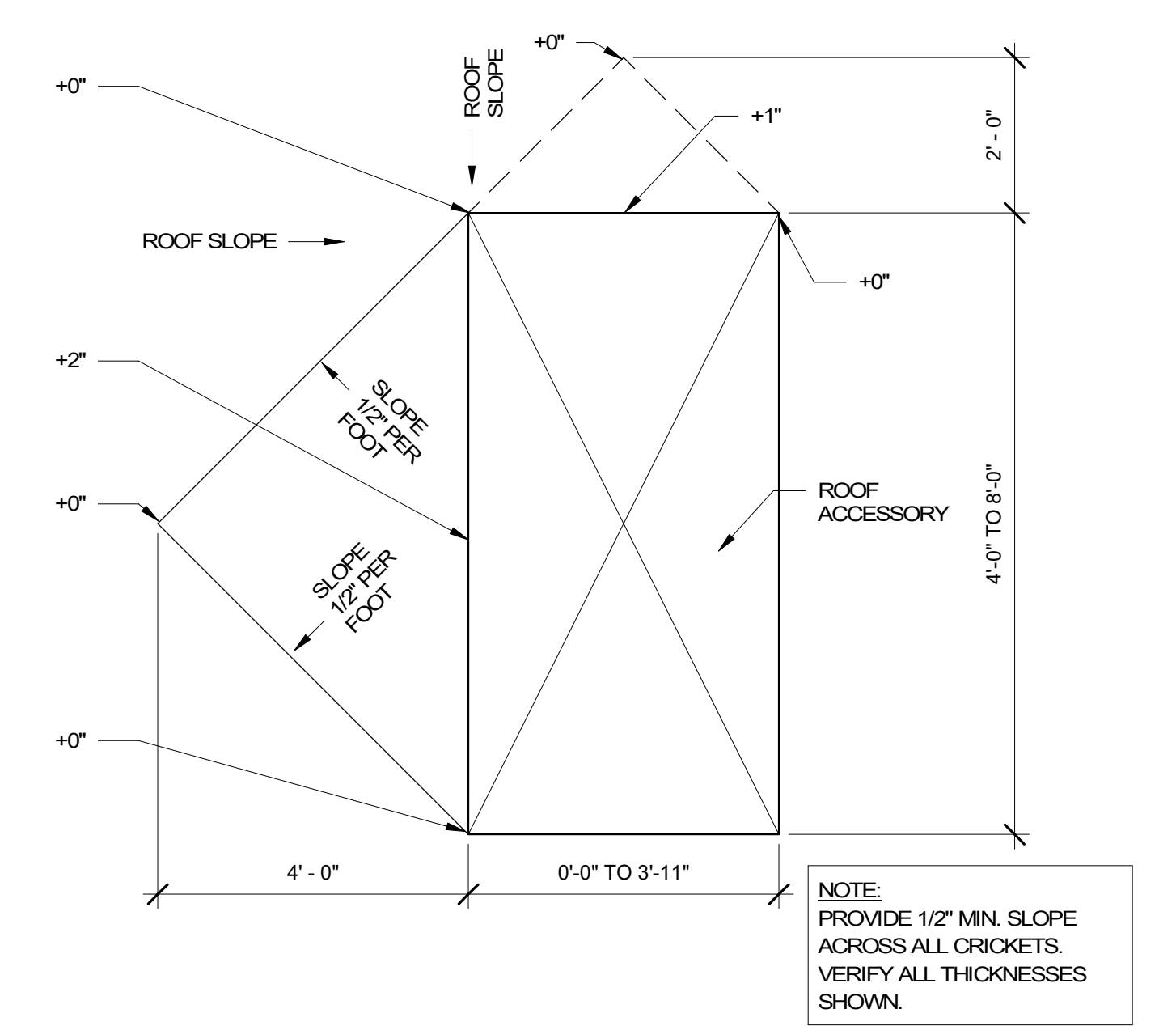
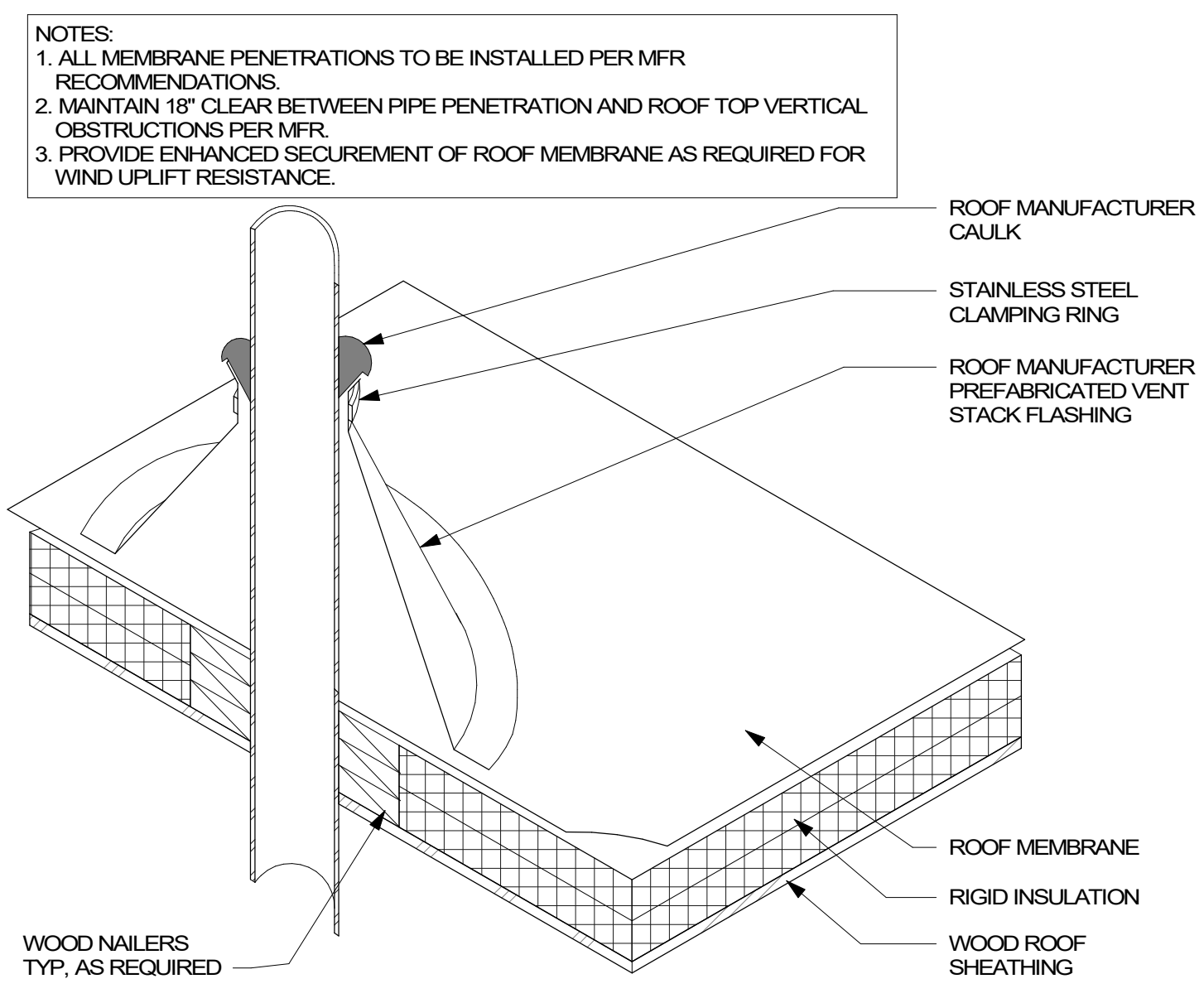
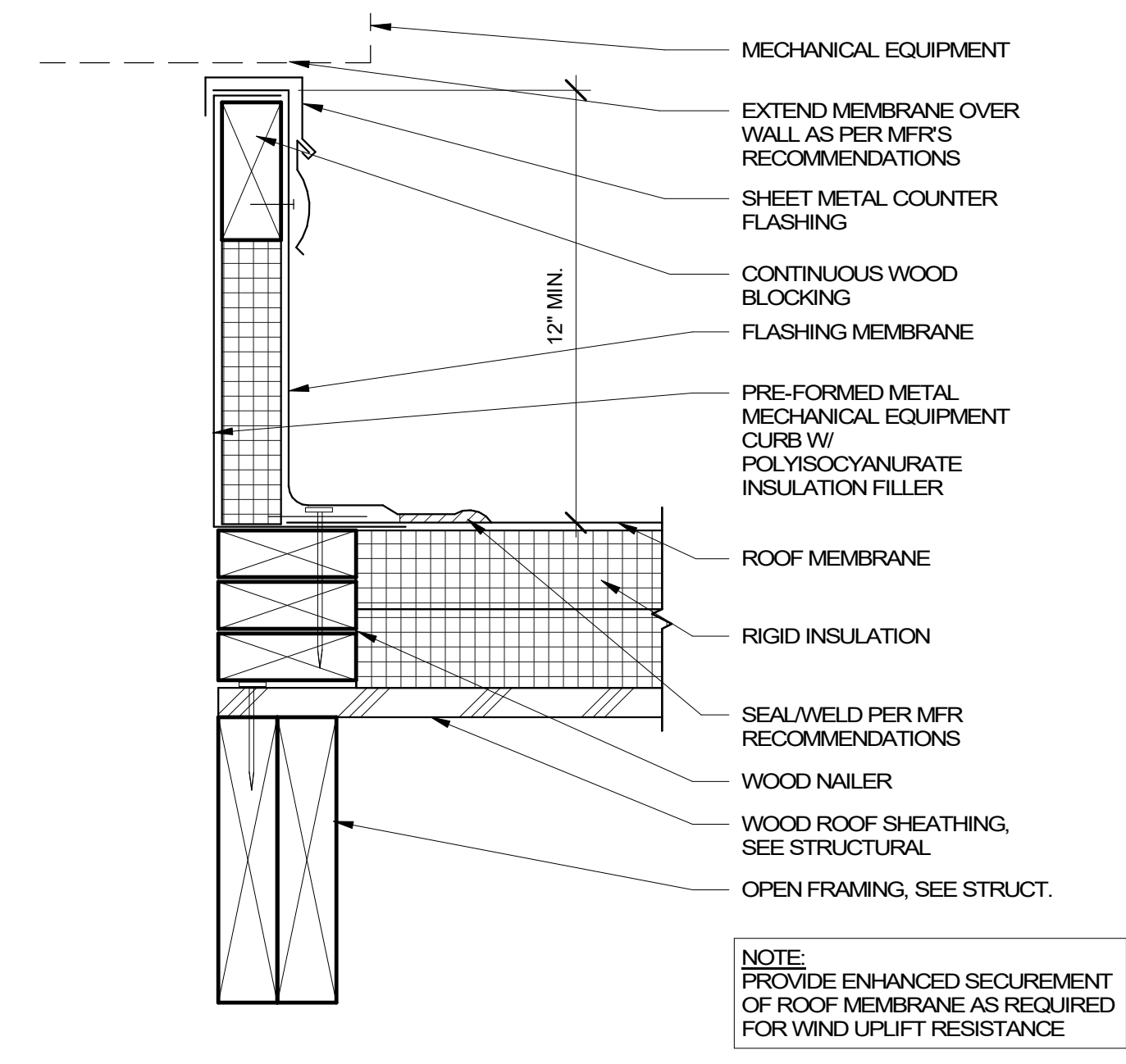


1 PARAPET FLASHING
 1 1/2" = 1'-0"

2 STEP PARAPET
 1 1/2" = 1'-0"

3 SKYLIGHT SECTION
 1" = 1'-0"

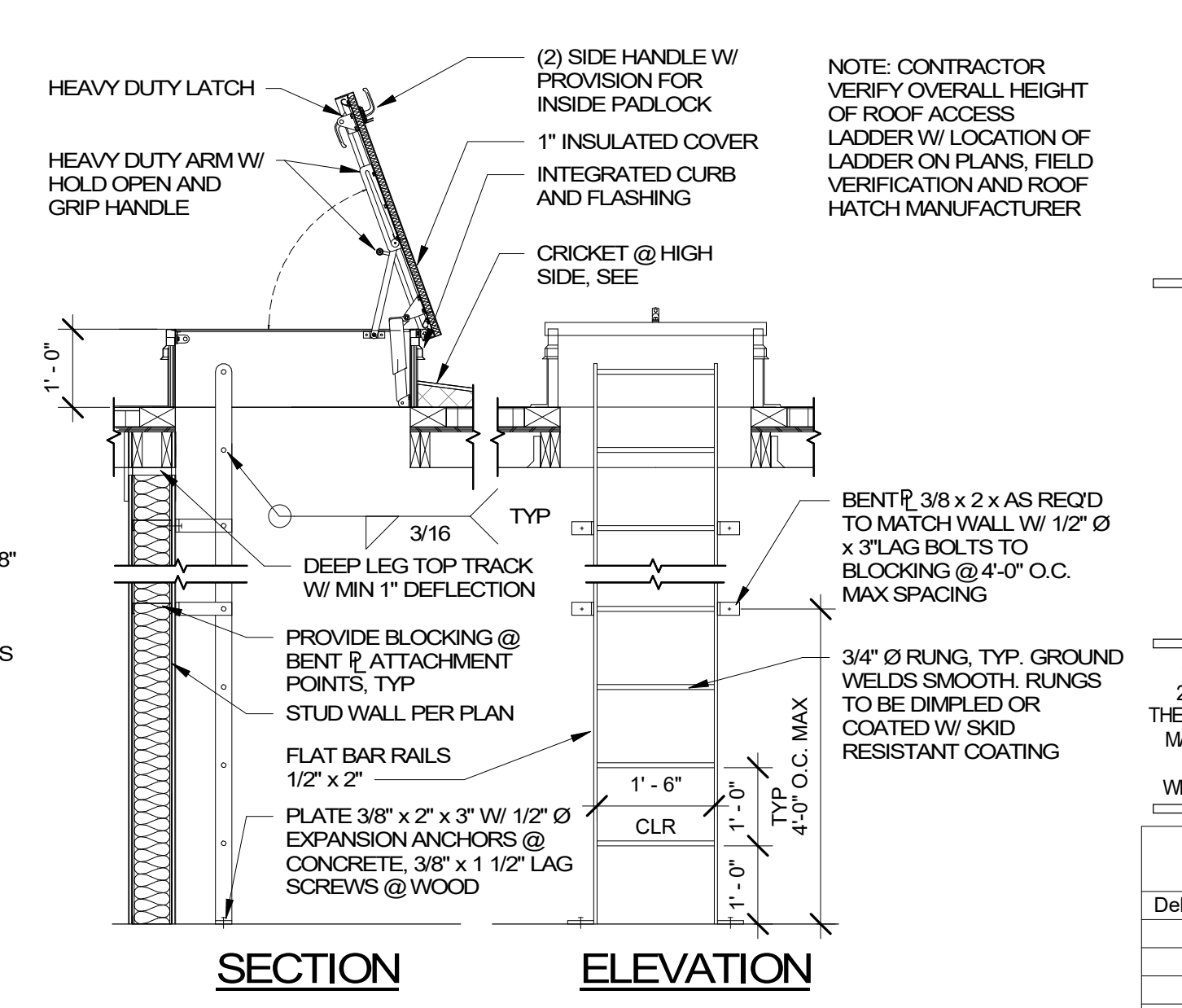
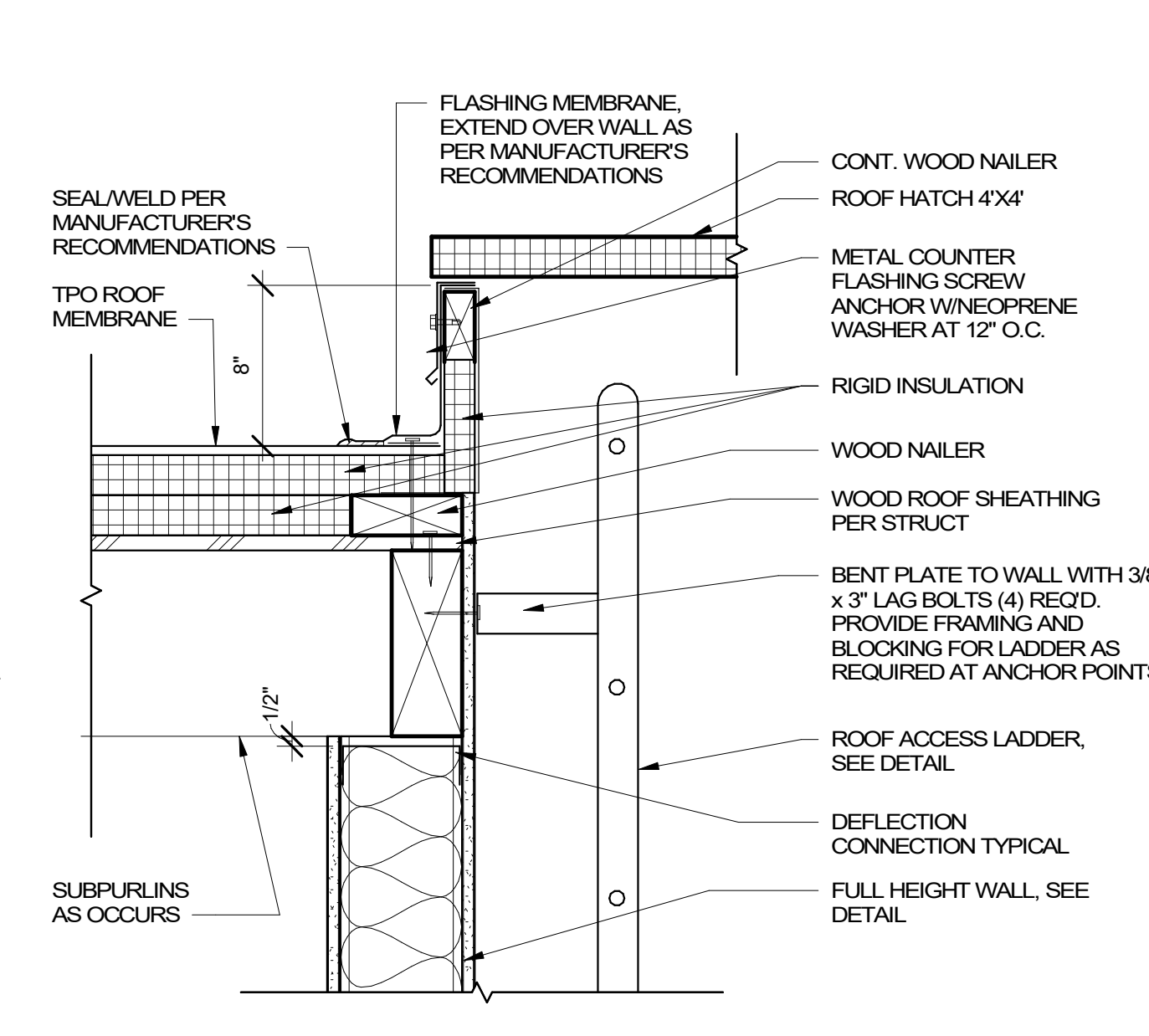
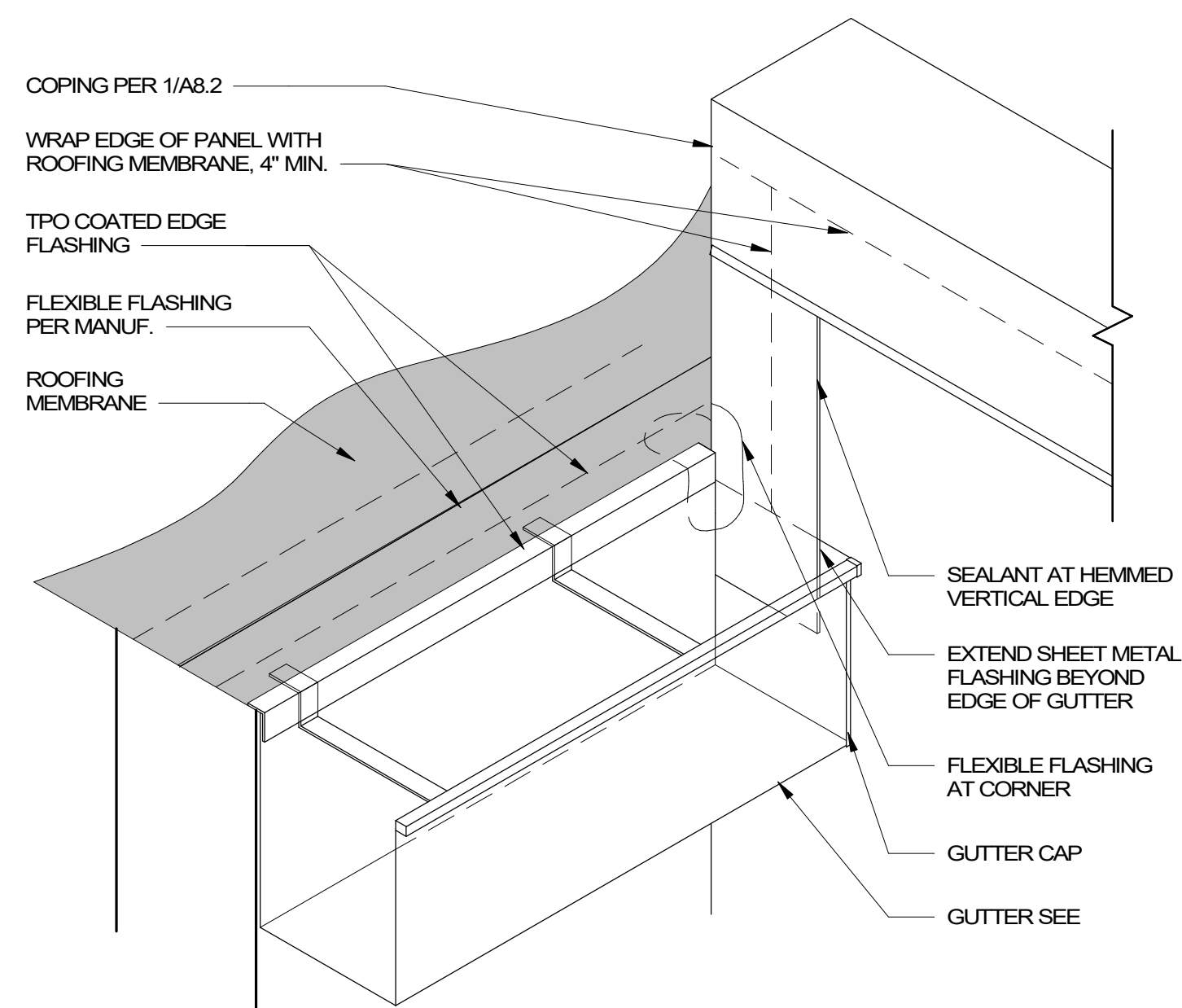
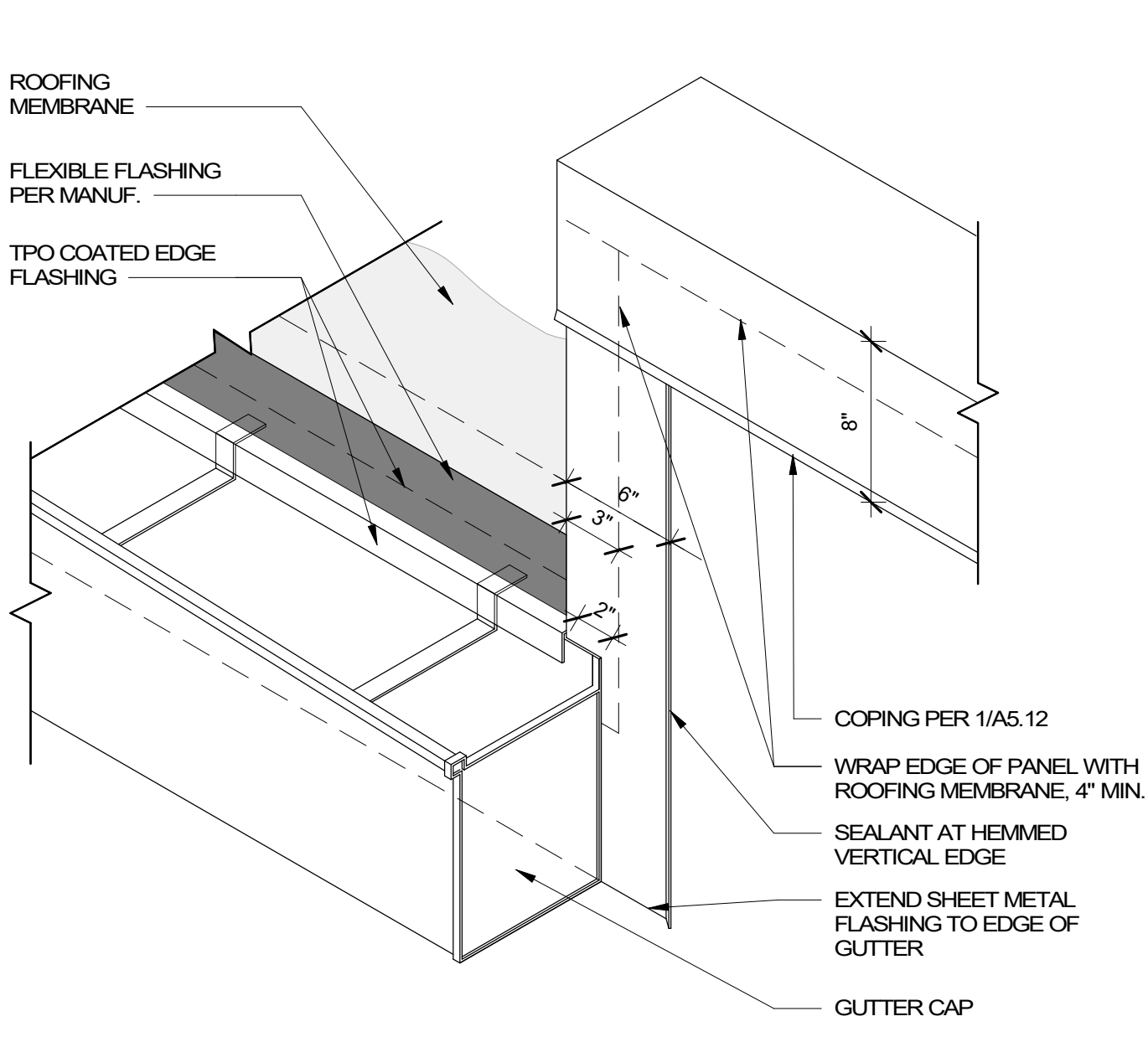
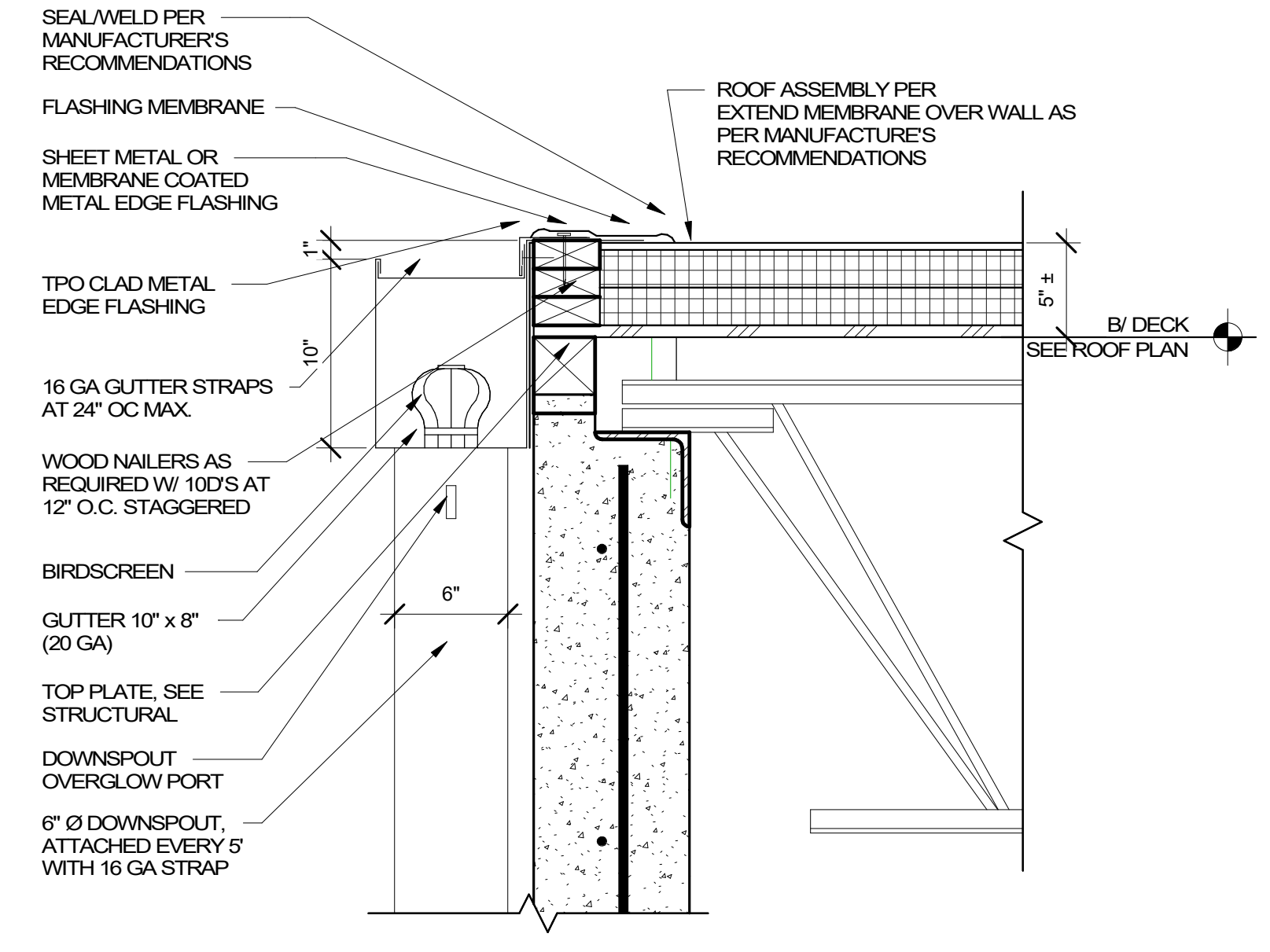
4 SKYLIGHT CURB
 3" = 1'-0"



5 MECHANICAL CURB
 3" = 1'-0"

6 PIPE FLASHING
 1 1/2" = 1'-0"

8 CRICKET PLAN
 1/2" = 1'-0"



11 GUTTER EDGE
 1 1/2" = 1'-0"

12 GUTTER TERMINATION
 1 1/2" = 1'-0"

13 GUTTER TERMINATION AT PARAPET
 1 1/2" = 1'-0"

14 ROOF HATCH
 1 1/2" = 1'-0"

15 ROOF ACCESS LADDER
 1 1/2" = 1'-0"



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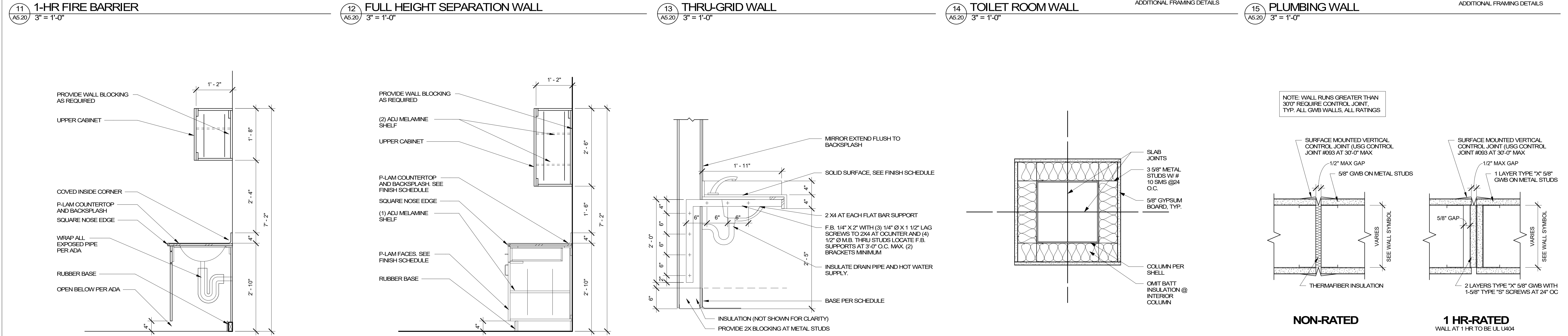
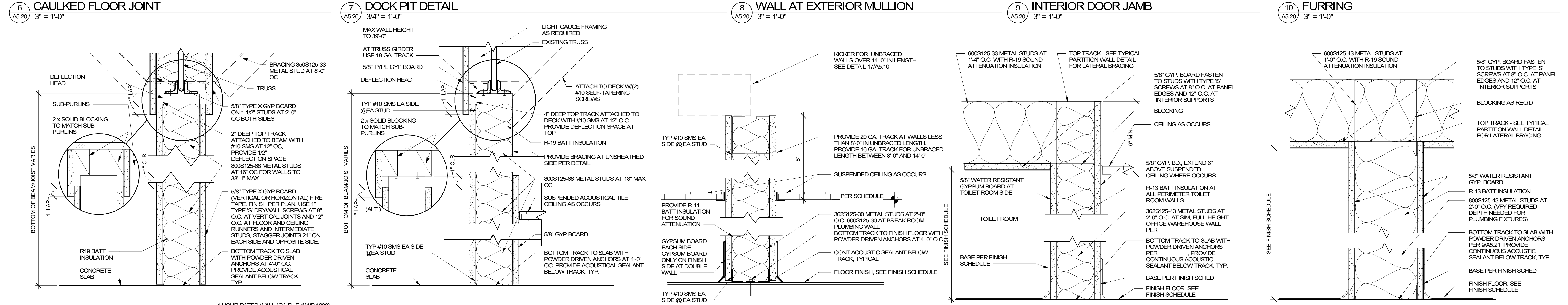
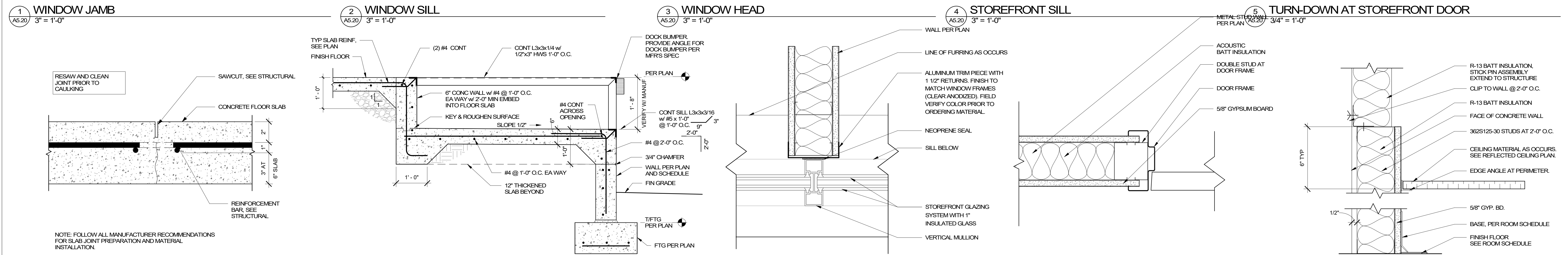
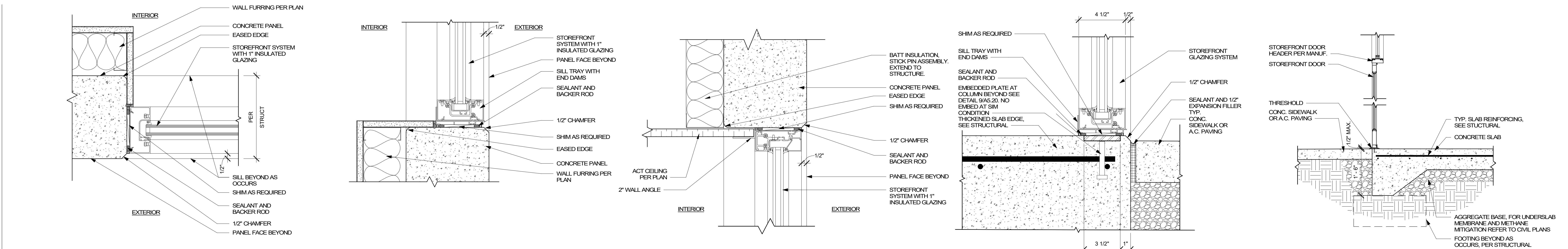
REVISION SCHEDULE		
Delta	Issued As	Issue Date

SHEET TITLE:
ROOF DETAILS

SHEET

A5.13

JOB NO. **2200502.00**



1 WINDOW JAMB AS.20 3" = 1'-0"
 2 WINDOW SILL AS.20 3" = 1'-0"
 3 WINDOW HEAD AS.20 3" = 1'-0"
 4 STOREFRONT SILL AS.20 3" = 1'-0"
 5 TURN-DOWN AT STOREFRONT DOOR AS.20 3/4" = 1'-0"
 6 CAULKED FLOOR JOINT AS.20 3" = 1'-0"
 7 DOCK PIT DETAIL AS.20 3/4" = 1'-0"
 8 WALL AT EXTERIOR MULLION AS.20 3" = 1'-0"
 9 INTERIOR DOOR JAMB AS.20 3" = 1'-0"
 10 FURRING AS.20 3" = 1'-0"
 11 1-HR FIRE BARRIER AS.20 3" = 1'-0"
 12 FULL HEIGHT SEPARATION WALL AS.20 3" = 1'-0"
 13 THRU-GRID WALL AS.20 3" = 1'-0"
 14 TOILET ROOM WALL AS.20 3" = 1'-0"
 15 PLUMBING WALL AS.20 3" = 1'-0"
 16 CASEWORK SECTION AT SINK AS.20 3/4" = 1'-0"
 17 CASEWORK SECTION AS.20 3/4" = 1'-0"
 18 LAVATORY SECTION AS.20 1" = 1'-0"
 19 FURRING AT COLUMN AS.20 1 1/2" = 1'-0"
 20 TYPICAL GWB CONTROL JOINT AS.20 3" = 1'-0"



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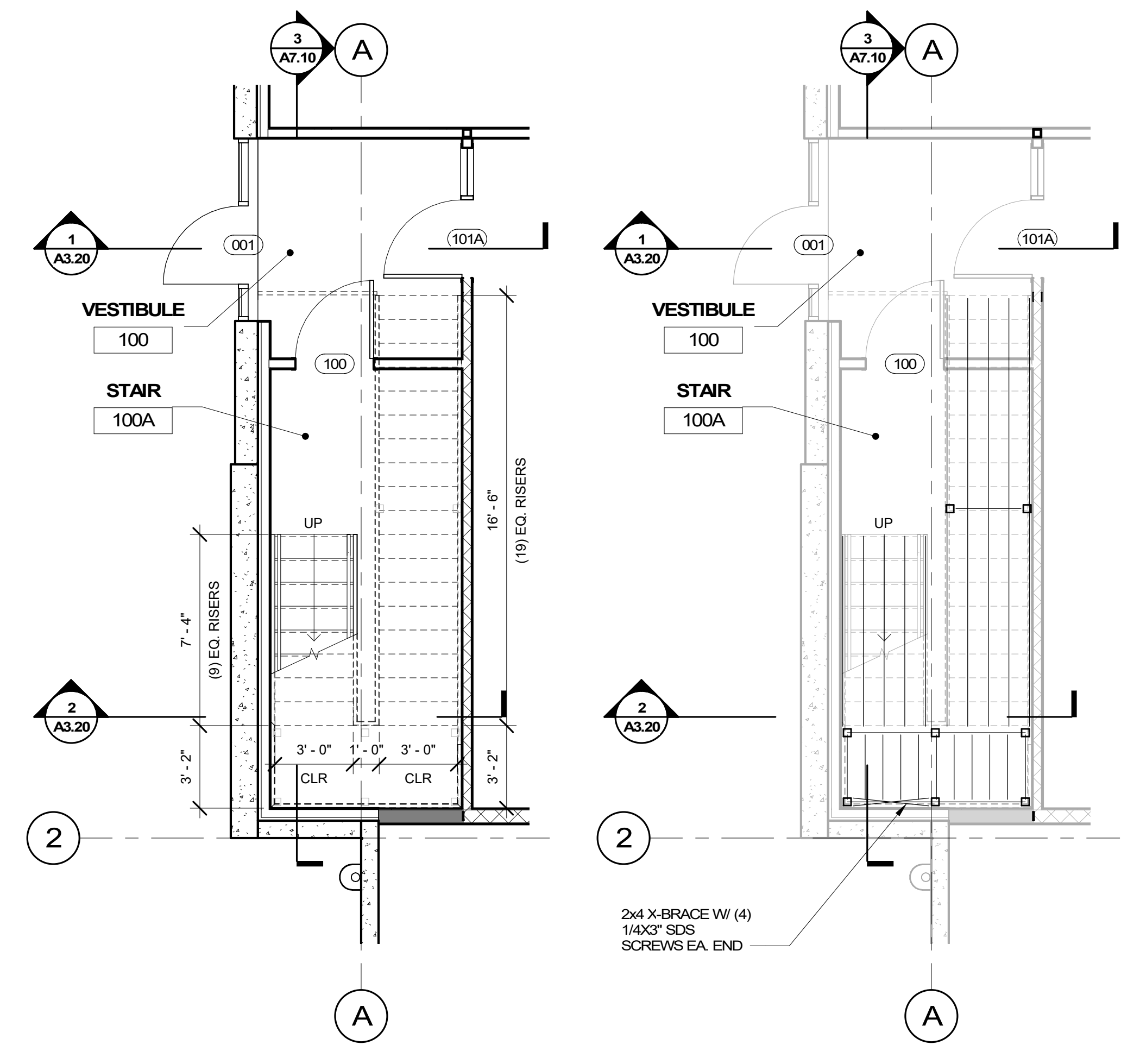
REVISION SCHEDULE		
Delta	Issued As	Issue Date

SHEET TITLE:
**STOREFRONT
& INTERIOR
DETAILS**

SHEET

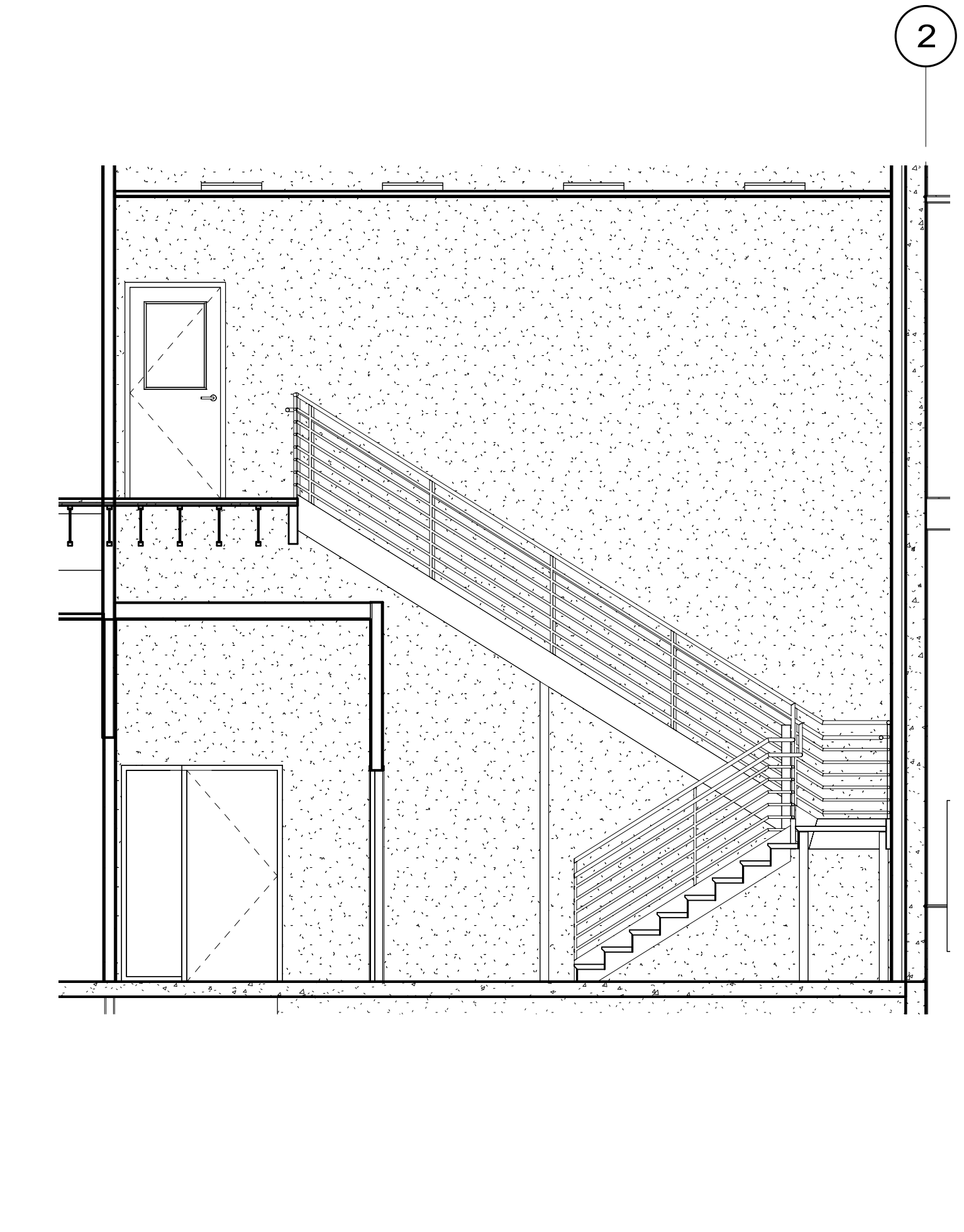
A5.20

JOB NO. **2200502.00**

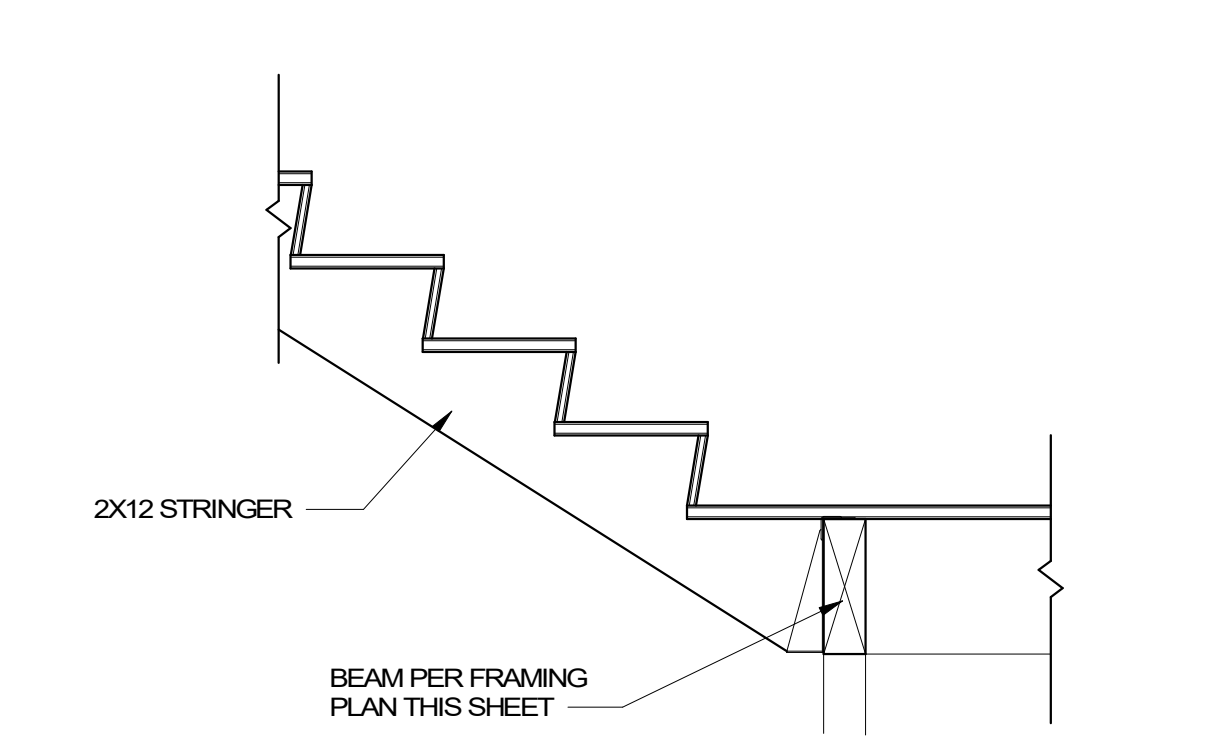


1 MAIN STAIR - ENLARGED PLAN
A7.10 1/4" = 1'-0"

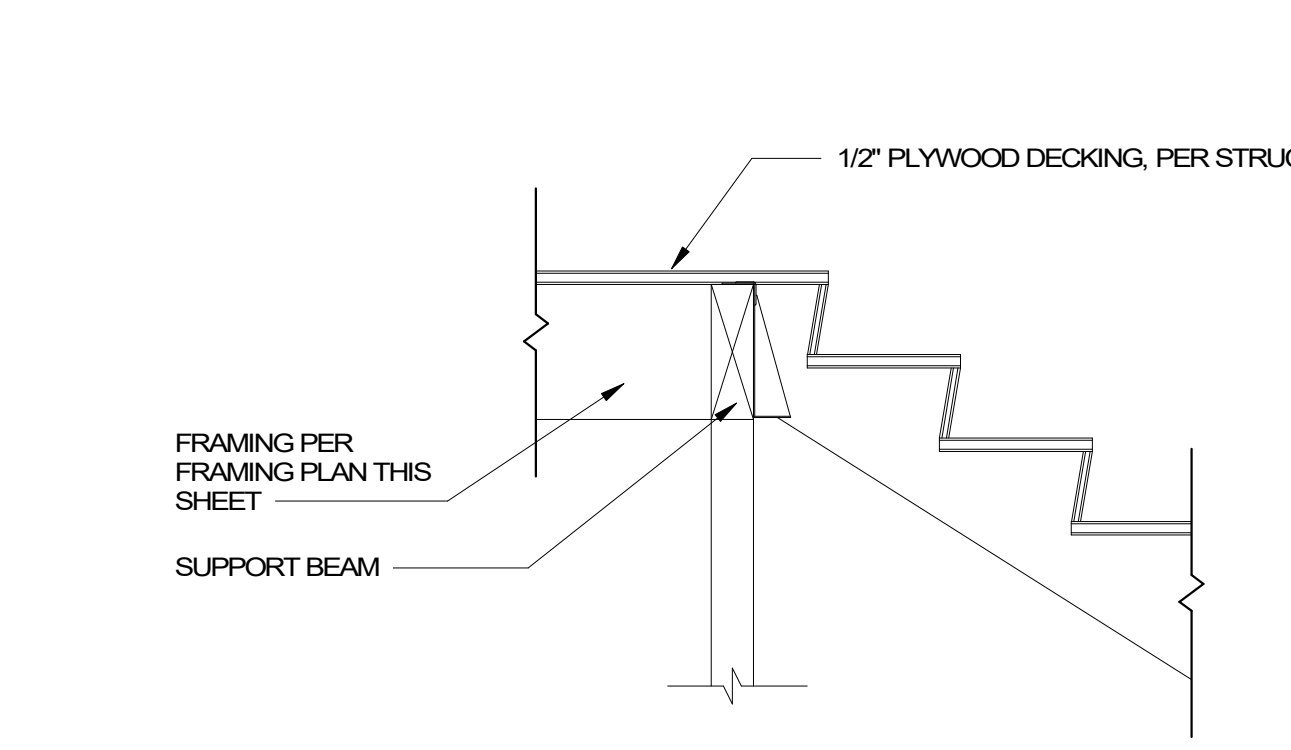
2 MAIN STAIR - FRAMING PLAN
A7.10 1/4" = 1'-0"



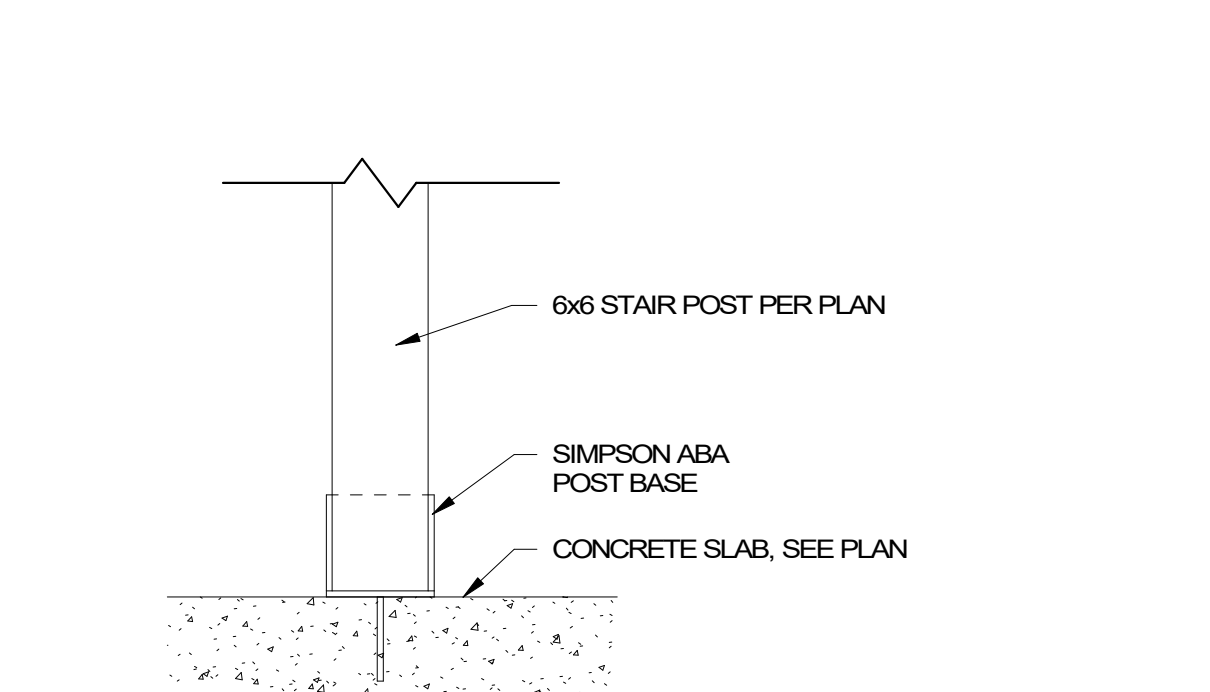
3 MAIN STAIR - SECTION
A7.10 1/4" = 1'-0"



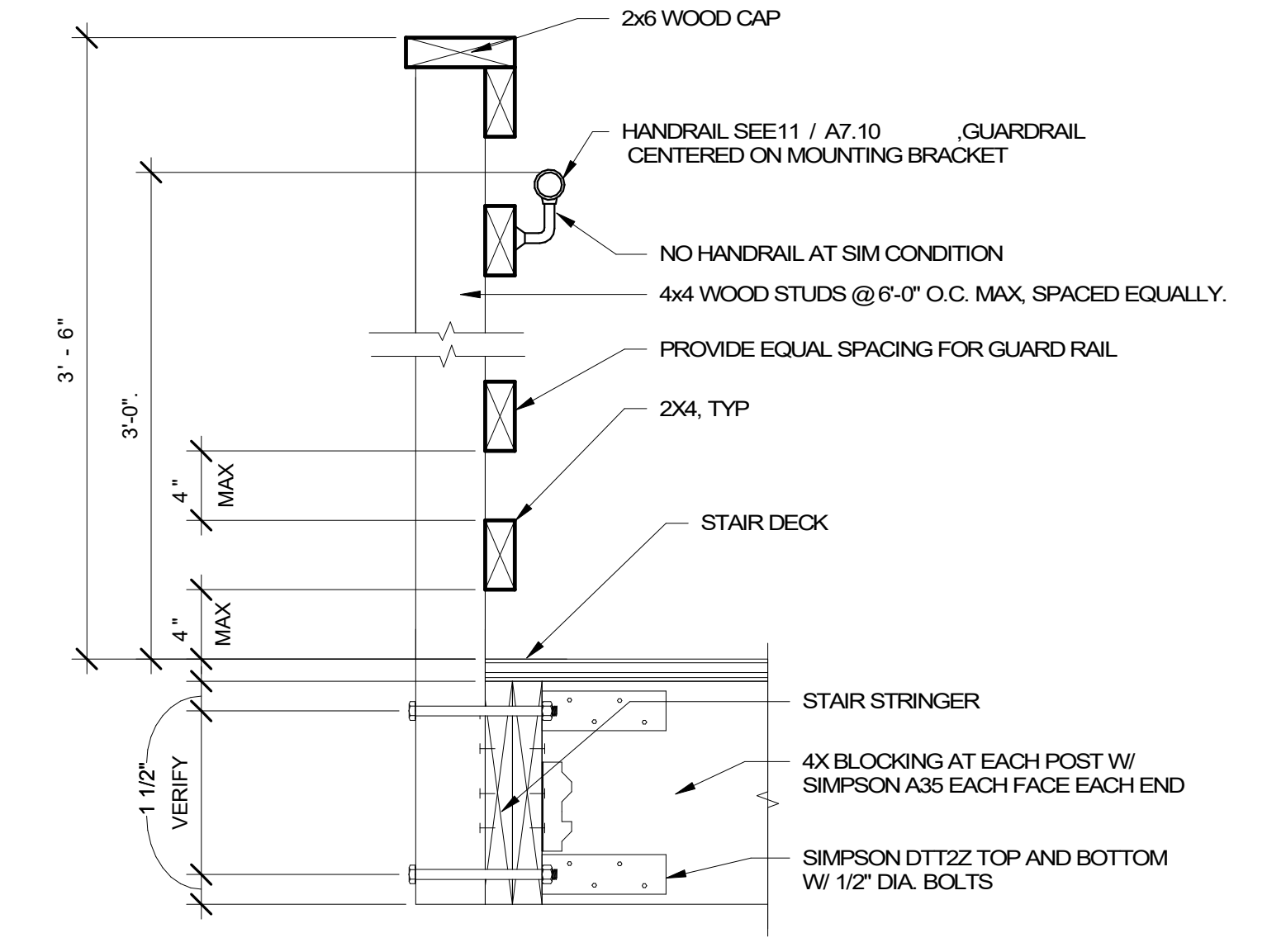
7 STAIR AT MID-LANDING
A7.10 3/4" = 1'-0"



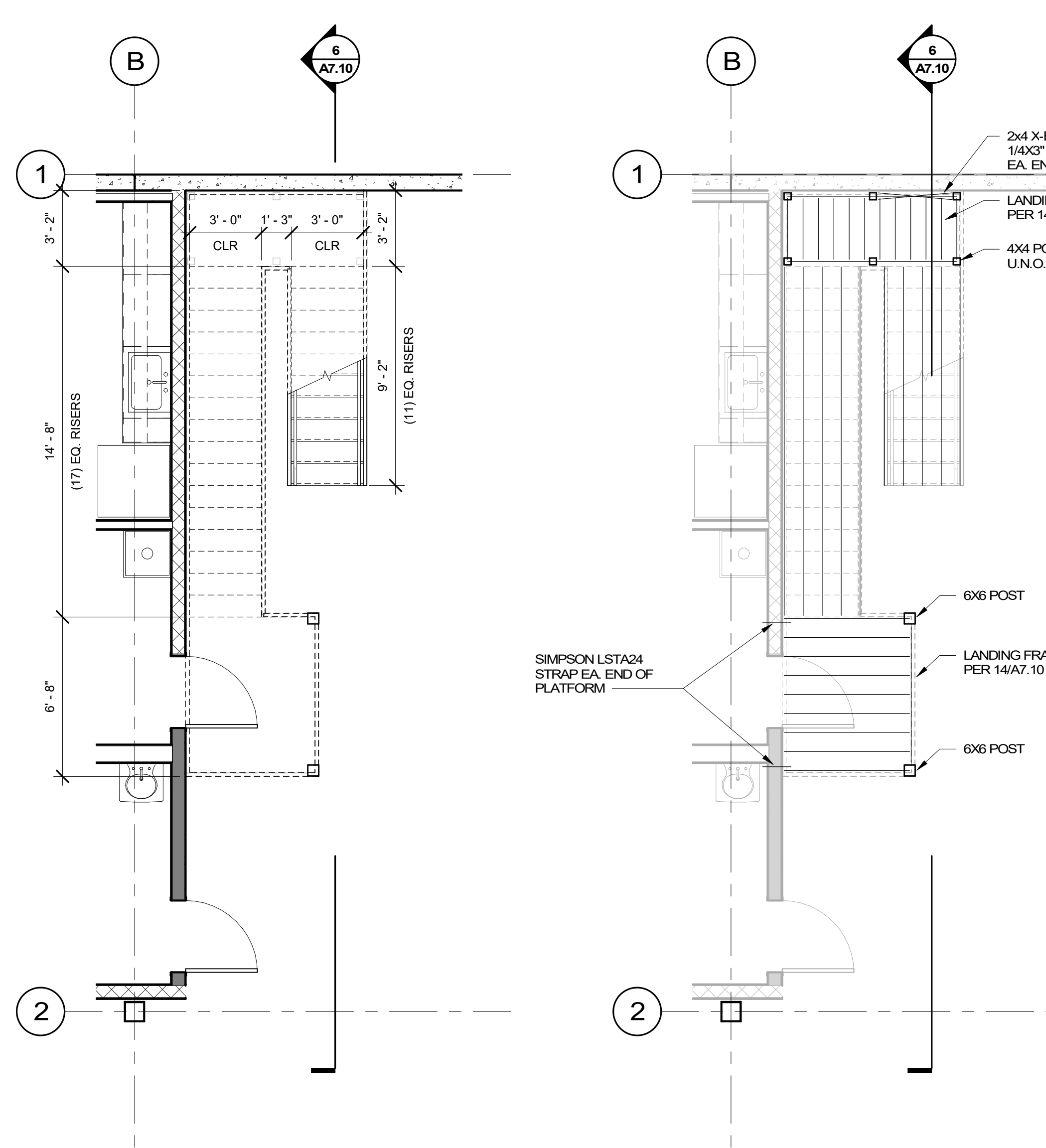
8 STAIR AT TOP LANDING
A7.10 3/4" = 1'-0"



9 STAIR POST DETAIL
A7.10 1 1/2" = 1'-0"

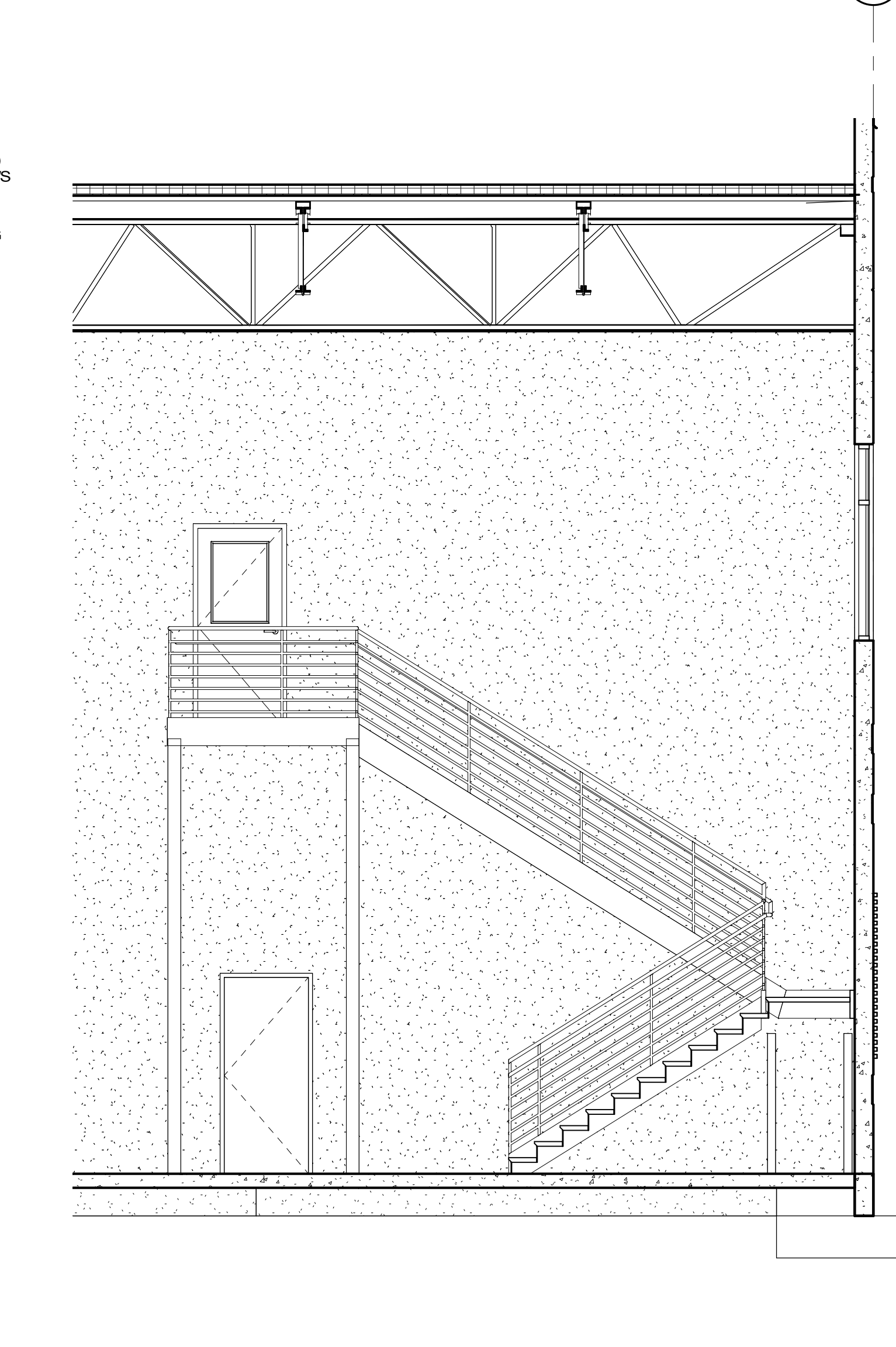


10 STAIRWAY GUARDRAIL
A7.10 1 1/2" = 1'-0"

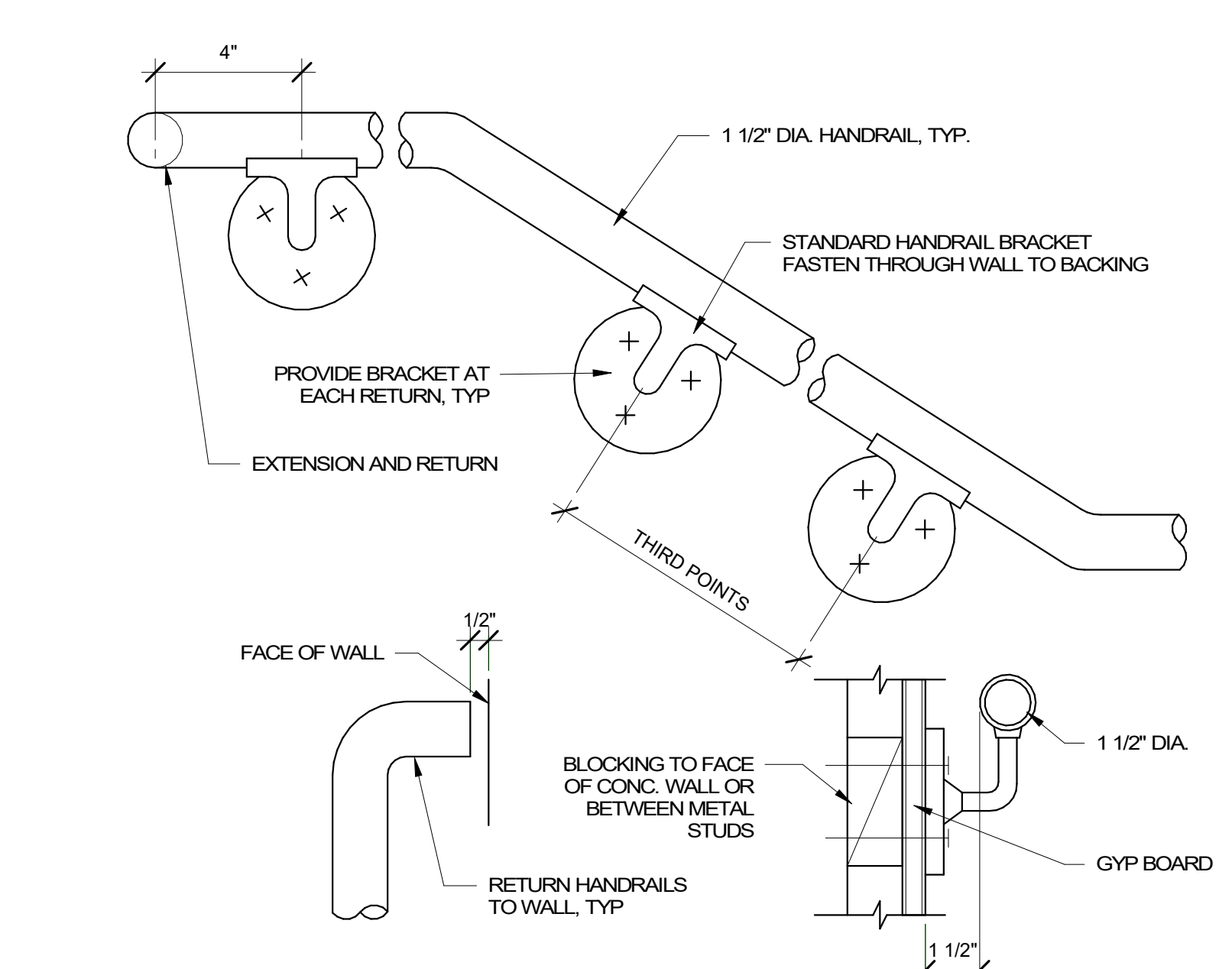


4 WAREHOUSE STAIR - ENLARGED PLAN
A7.10 1/4" = 1'-0"

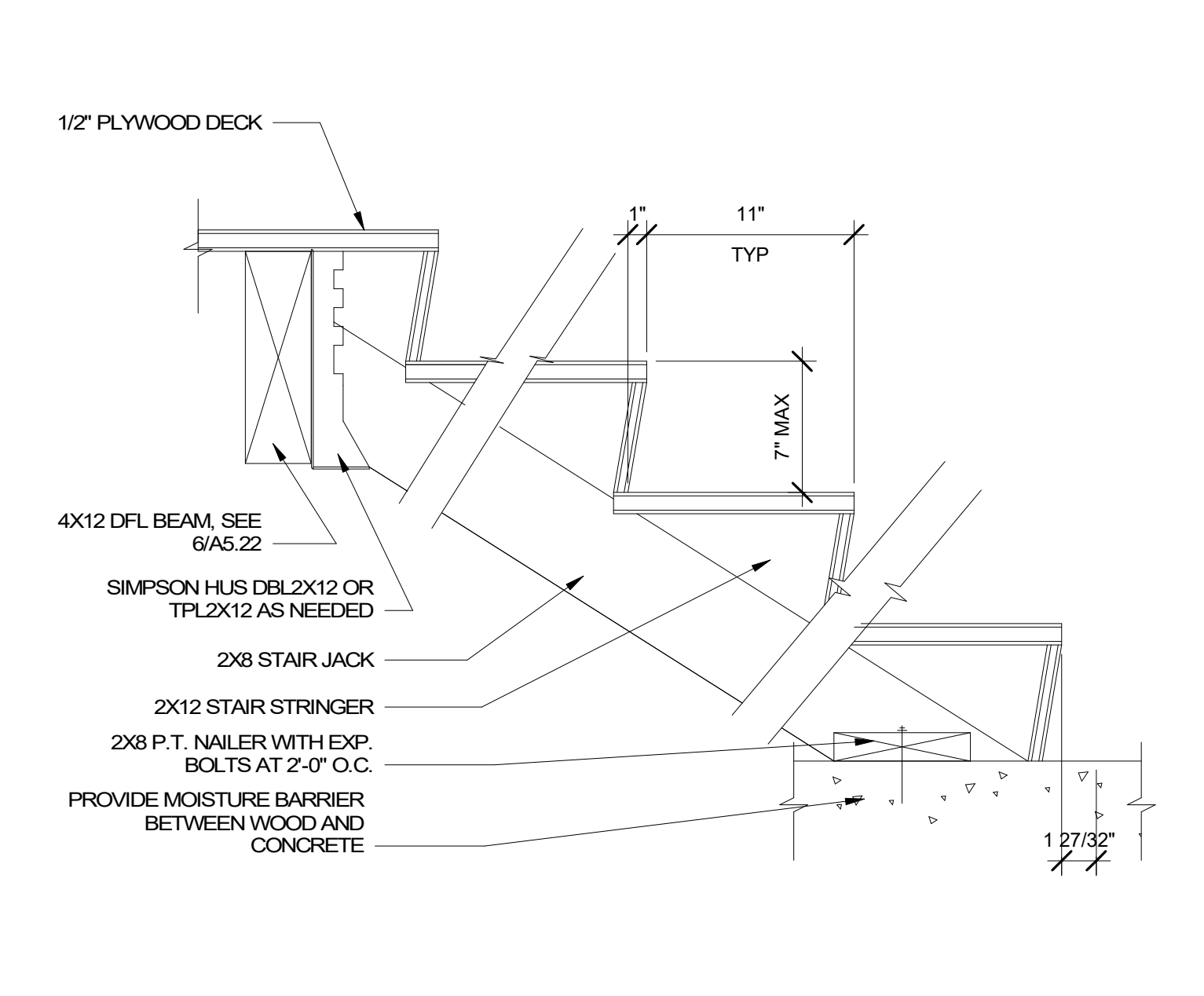
5 WAREHOUSE STAIR - FRAMING PLAN
A7.10 1/4" = 1'-0"



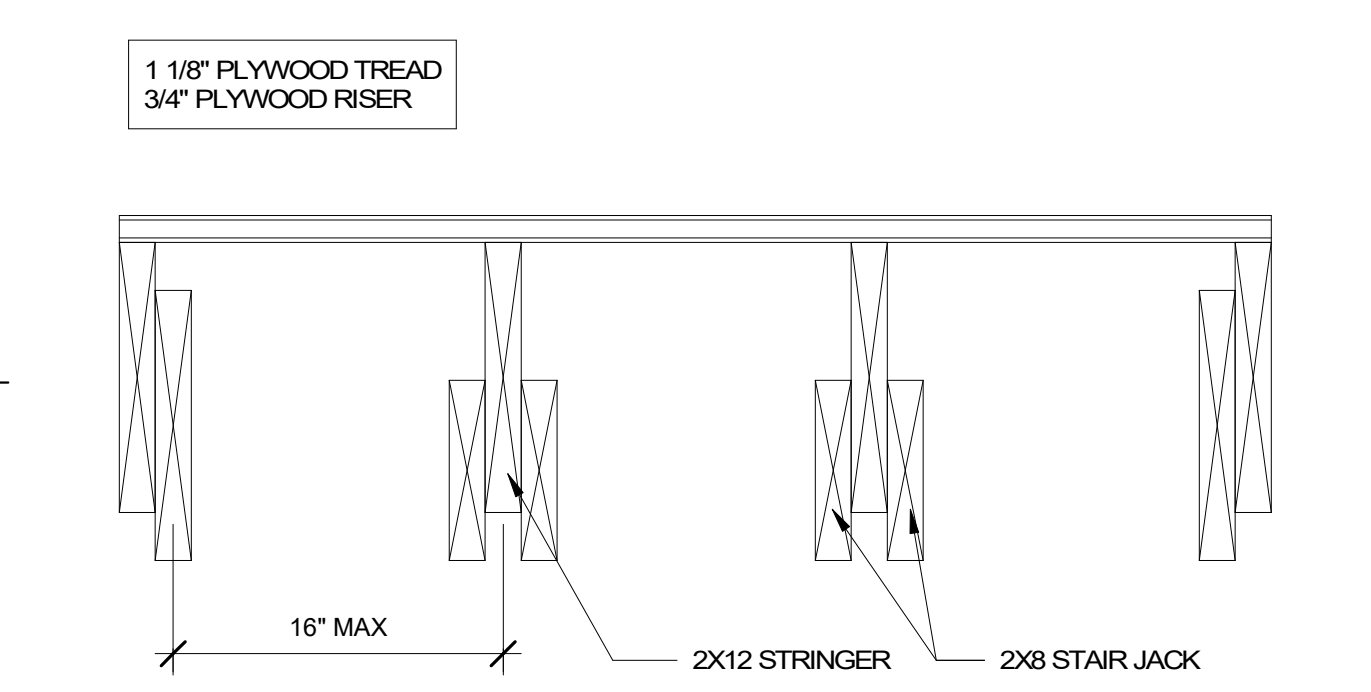
6 WAREHOUSE STAIR - SECTION
A7.10 1/4" = 1'-0"



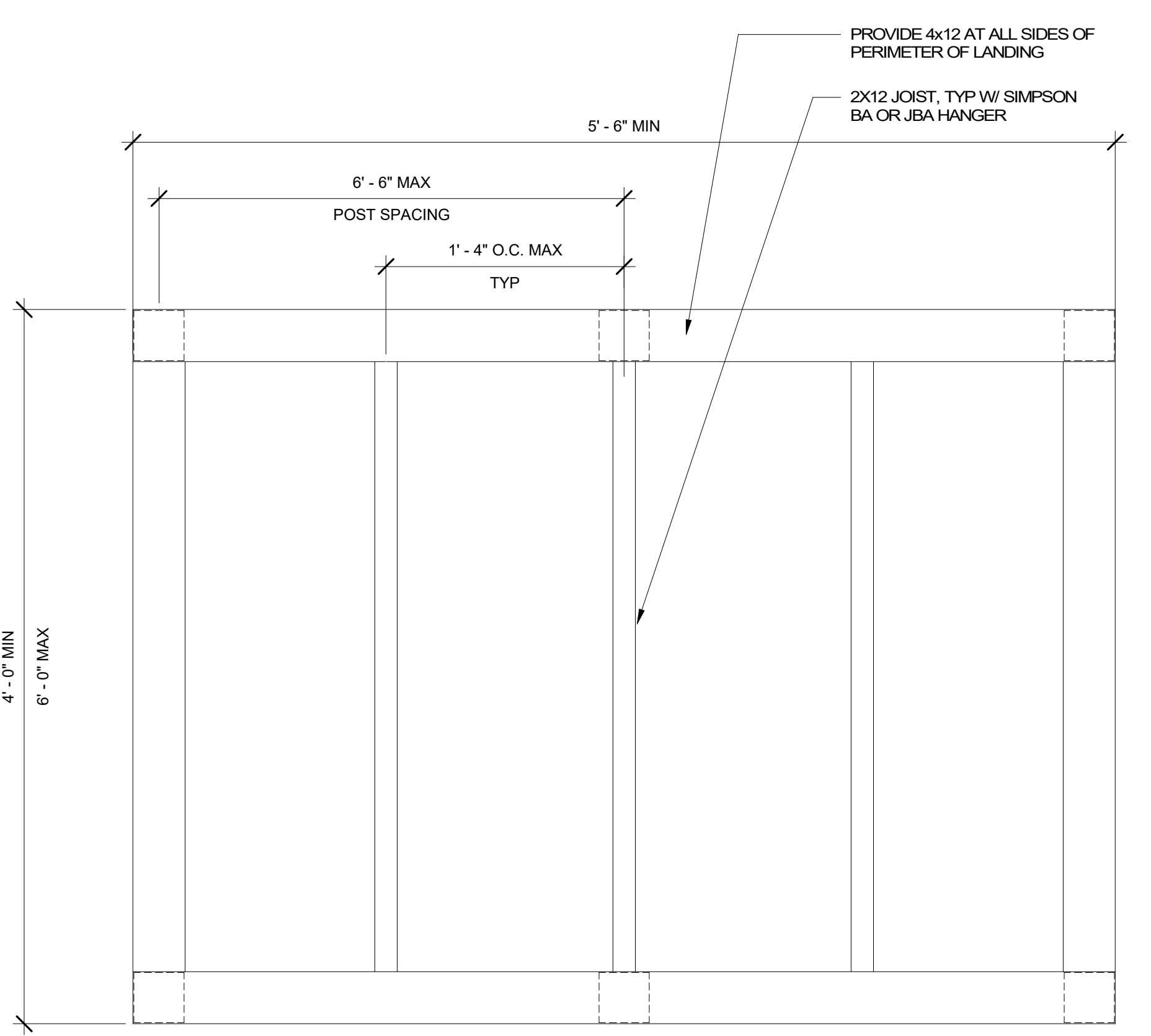
11 TYPICAL HANDRAIL
A7.10 3" = 1'-0"



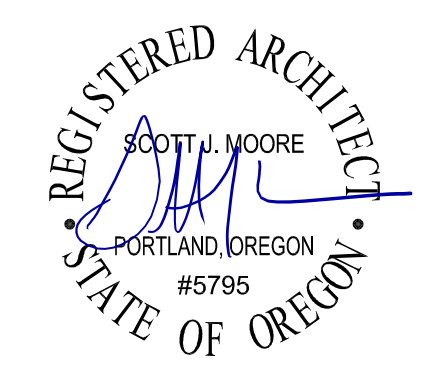
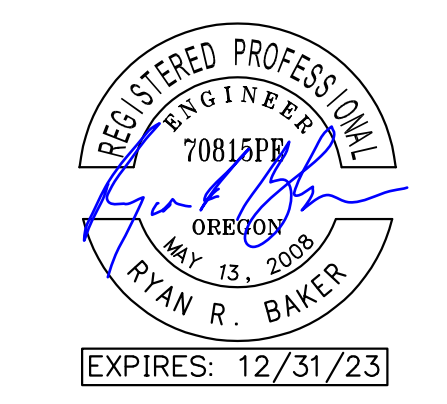
12 TYPICAL STAIR TREAD RISER
A7.10 1 1/2" = 1'-0"



13 TYPICAL STAIR TREAD SECTION
A7.10 1 1/2" = 1'-0"



14 TYPICAL STAIR LANDING FRAME
A7.10 1 1/2" = 1'-0"



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Delta	Issued As	Issue Date

SHEET TITLE:
STAIR PLANS

SHEET

A7.10

JOB NO. **2200502.00**