

SURVEY LEGEND

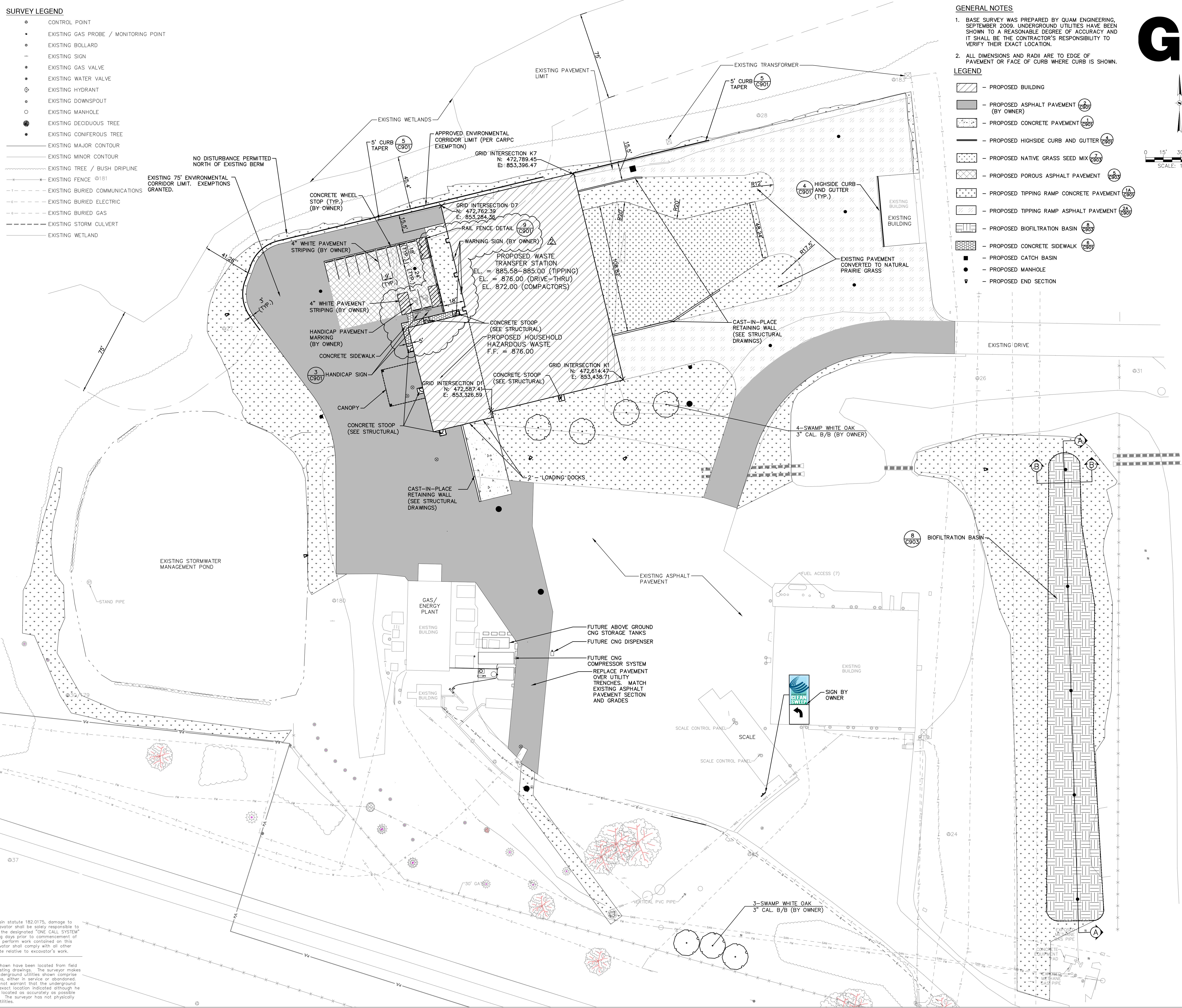
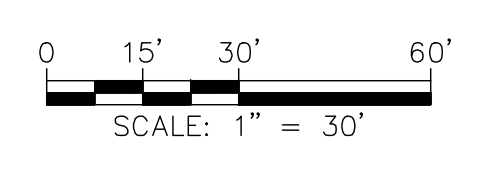
- CONTROL POINT
- EXISTING GAS PROBE / MONITORING POINT
- EXISTING BOLLARD
- EXISTING SIGN
- EXISTING GAS VALVE
- EXISTING WATER VALVE
- EXISTING HYDRANT
- EXISTING DOWNSPOUT
- EXISTING MANHOLE
- EXISTING DECIDUOUS TREE
- EXISTING CONIFEROUS TREE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING TREE / BUSH DRIPLINE
- EXISTING FENCE @181
- EXISTING BURIED COMMUNICATIONS
- EXISTING BURIED ELECTRIC
- EXISTING BURIED GAS
- EXISTING STORM CULVERT
- EXISTING WETLAND

GENERAL NOTES

1. BASE SURVEY WAS PREPARED BY QUAM ENGINEERING, SEPTEMBER 2009. UNDERGROUND UTILITIES HAVE BEEN SHOWN TO A REASONABLE DEGREE OF ACCURACY AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THEIR EXACT LOCATION.
2. ALL DIMENSIONS AND RADII ARE TO EDGE OF PAVEMENT OR FACE OF CURB WHERE CURB IS SHOWN.

LEGEND

- ▨ PROPOSED BUILDING
- ▨ PROPOSED ASPHALT PAVEMENT (BY OWNER)
- ▨ PROPOSED CONCRETE PAVEMENT (C907)
- PROPOSED HIGHSIDE CURB AND GUTTER (C907)
- ▨ PROPOSED NATIVE GRASS SEED MIX (C907)
- ▨ PROPOSED POROUS ASPHALT PAVEMENT (C907)
- ▨ PROPOSED TIPPING RAMP CONCRETE PAVEMENT (C907)
- ▨ PROPOSED TIPPING RAMP ASPHALT PAVEMENT (C907)
- ▨ PROPOSED BIOFILTRATION BASIN (C903)
- ▨ PROPOSED CONCRETE SIDEWALK (C907)
- PROPOSED CATCH BASIN
- PROPOSED MANHOLE
- ▼ PROPOSED END SECTION

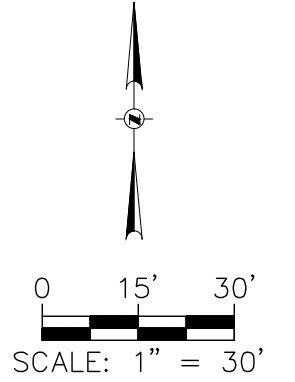
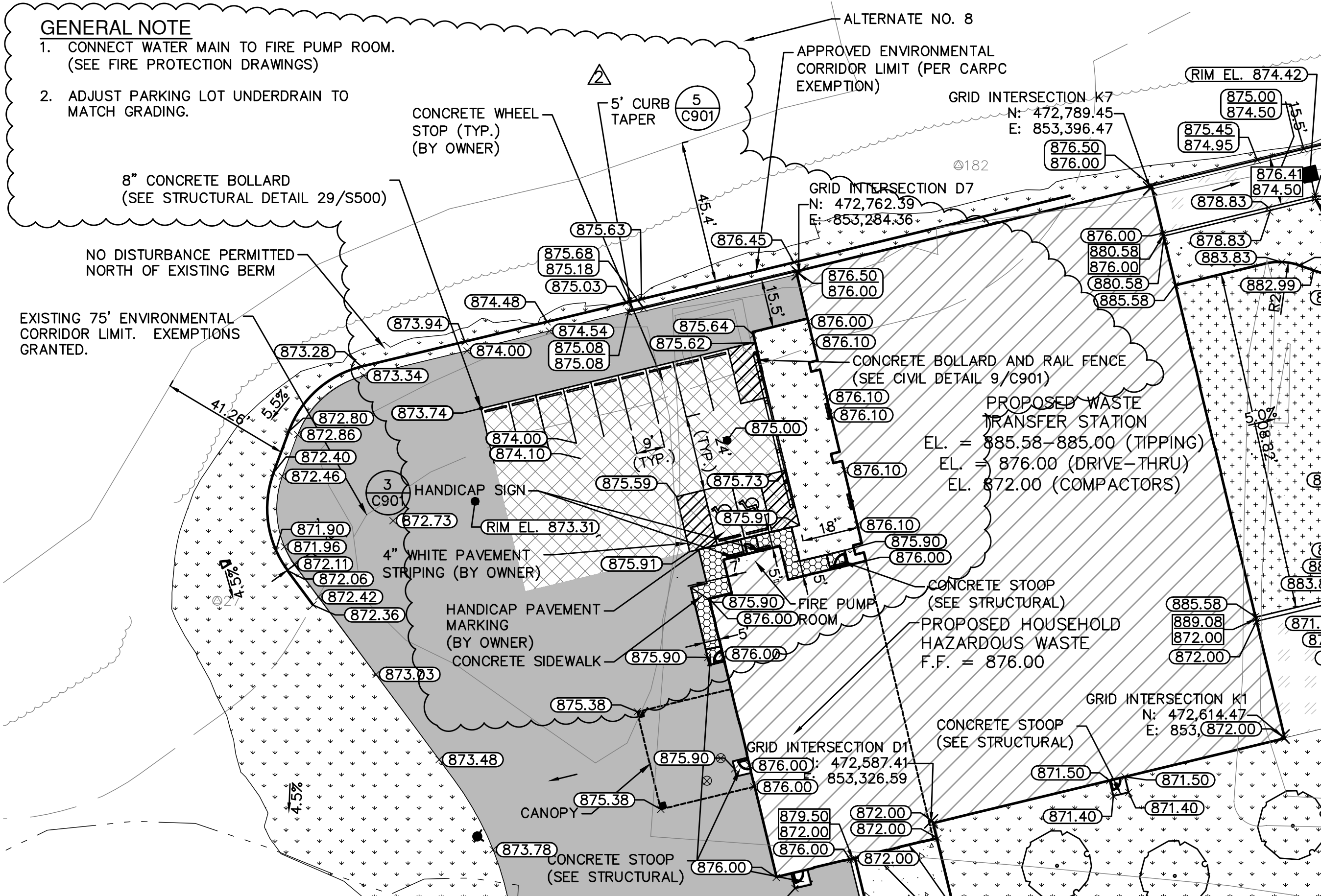


NOTICE:
In accordance with Wisconsin statute 182.0175, damage to transmission facilities, excavator shall be solely responsible to provide advance notice to the designated "ONE CALL SYSTEM" not less than three working days prior to commencement of any excavation required to perform work contained on this drawing, and further, excavator shall comply with all other requirements of this statute relative to excavator's work.

DISCLAIMER:
The underground utilities shown have been located from field survey information and existing drawings. The surveyor makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from information available. The surveyor has not physically located the underground utilities.

GENERAL NOTE

1. CONNECT WATER MAIN TO FIRE PUMP ROOM.
(SEE FIRE PROTECTION DRAWINGS)
2. ADJUST PARKING LOT UNDERDRAIN TO
MATCH GRADING.

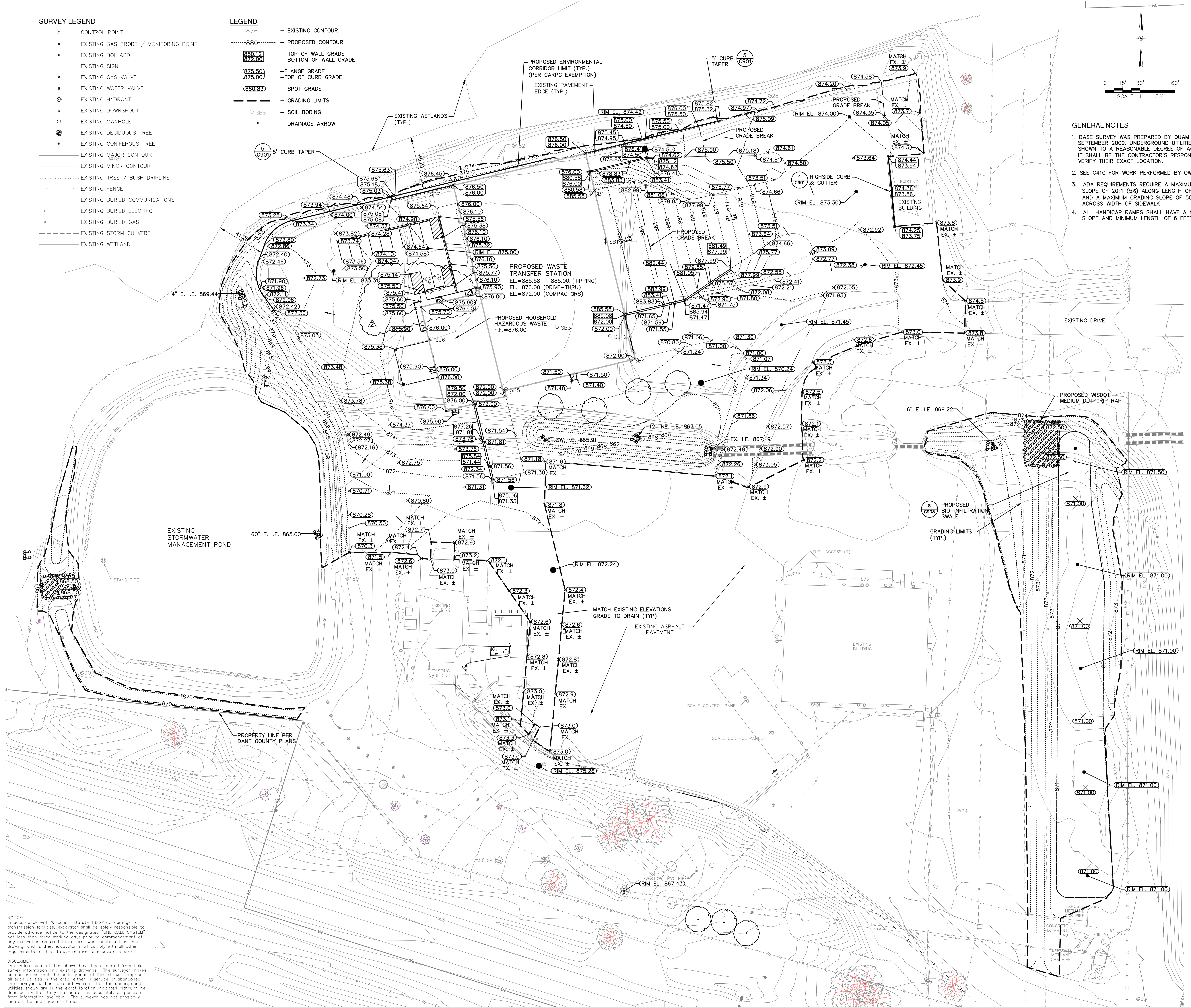


SURVEY LEGEND

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- EXISTING WETLAND

LEGEND

- 876 — EXISTING CONTOUR
- 880 --- PROPOSED CONTOUR
- 880.12 / 872.00 — TOP OF WALL GRADE
- 875.50 / 875.00 — FLANGE GRADE
- 880.83 — SPOT GRADE
- GRADING LIMITS
- SB8 — SOIL BORING
- DRAINAGE ARROW

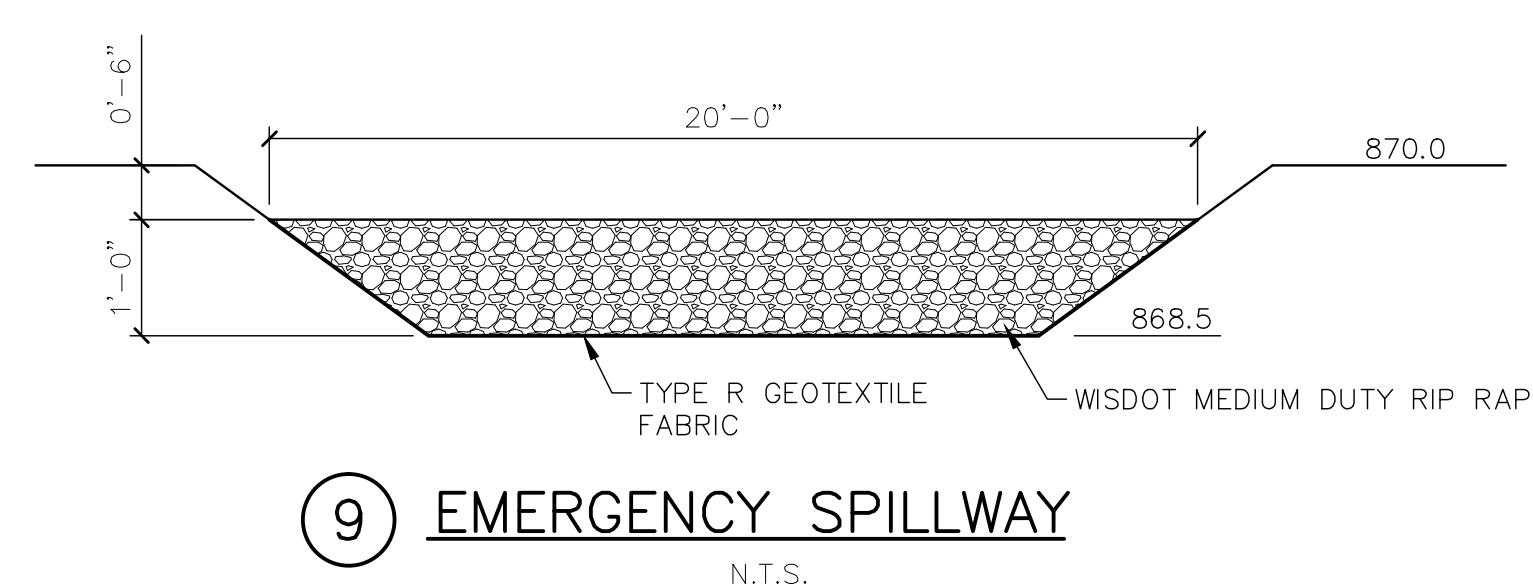
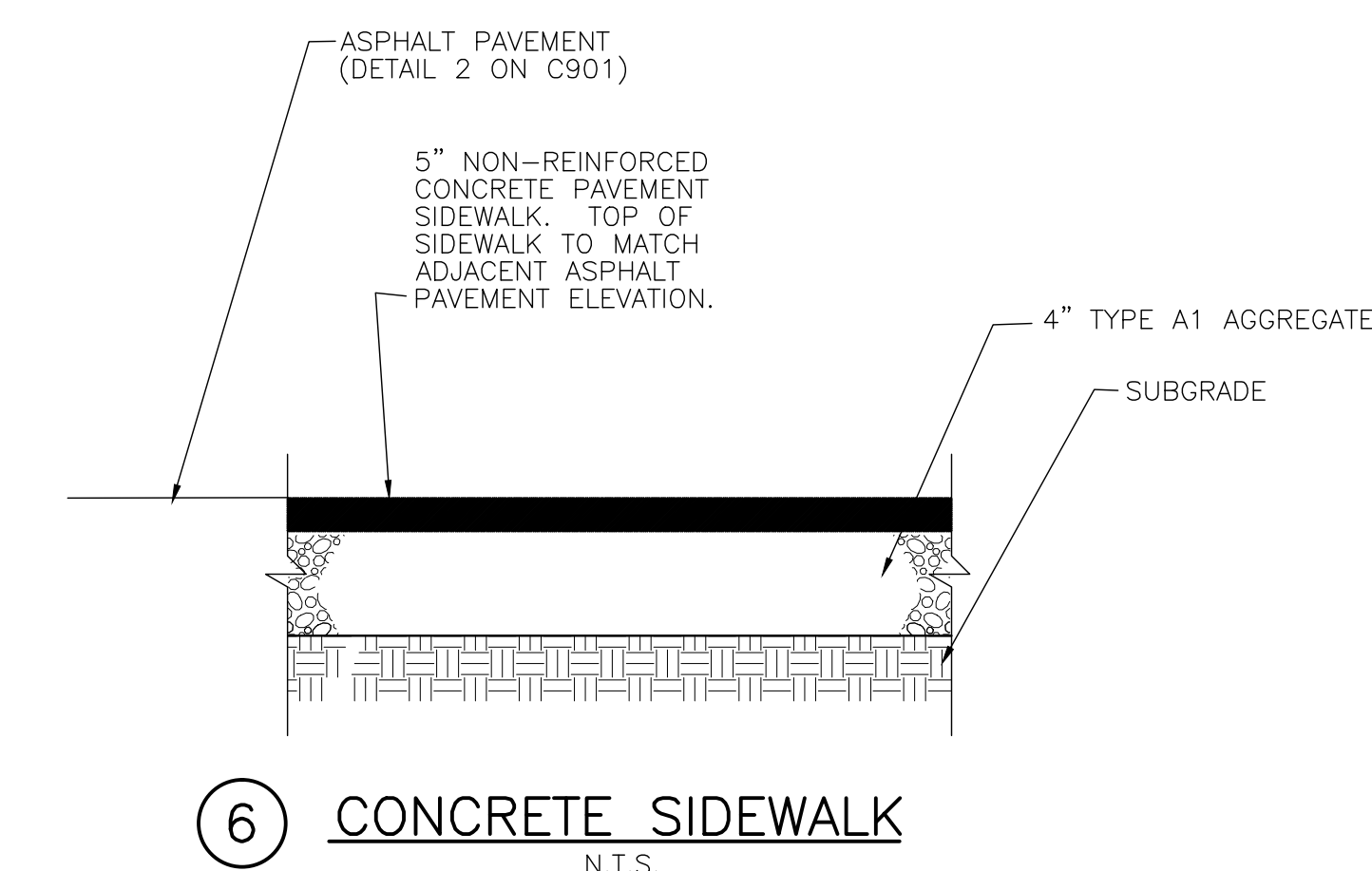
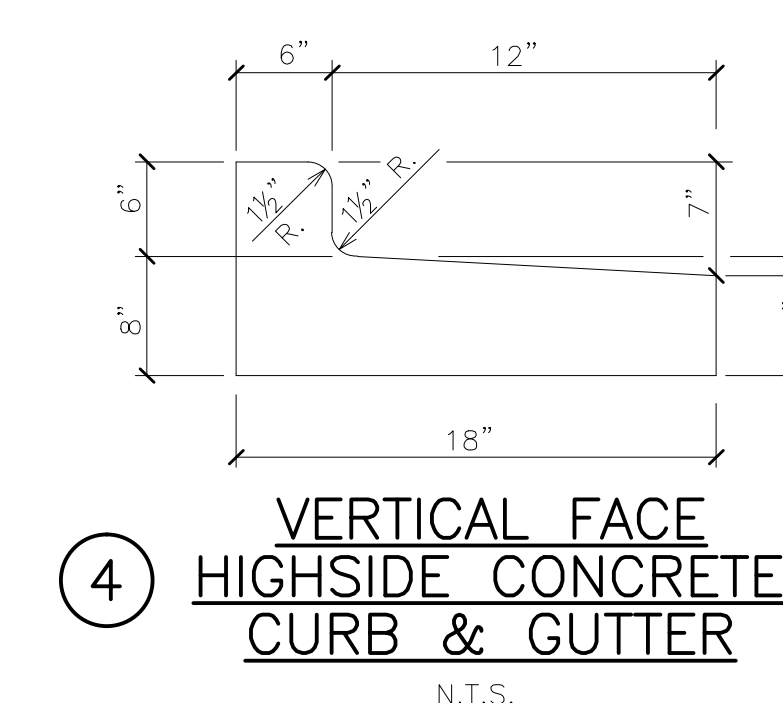
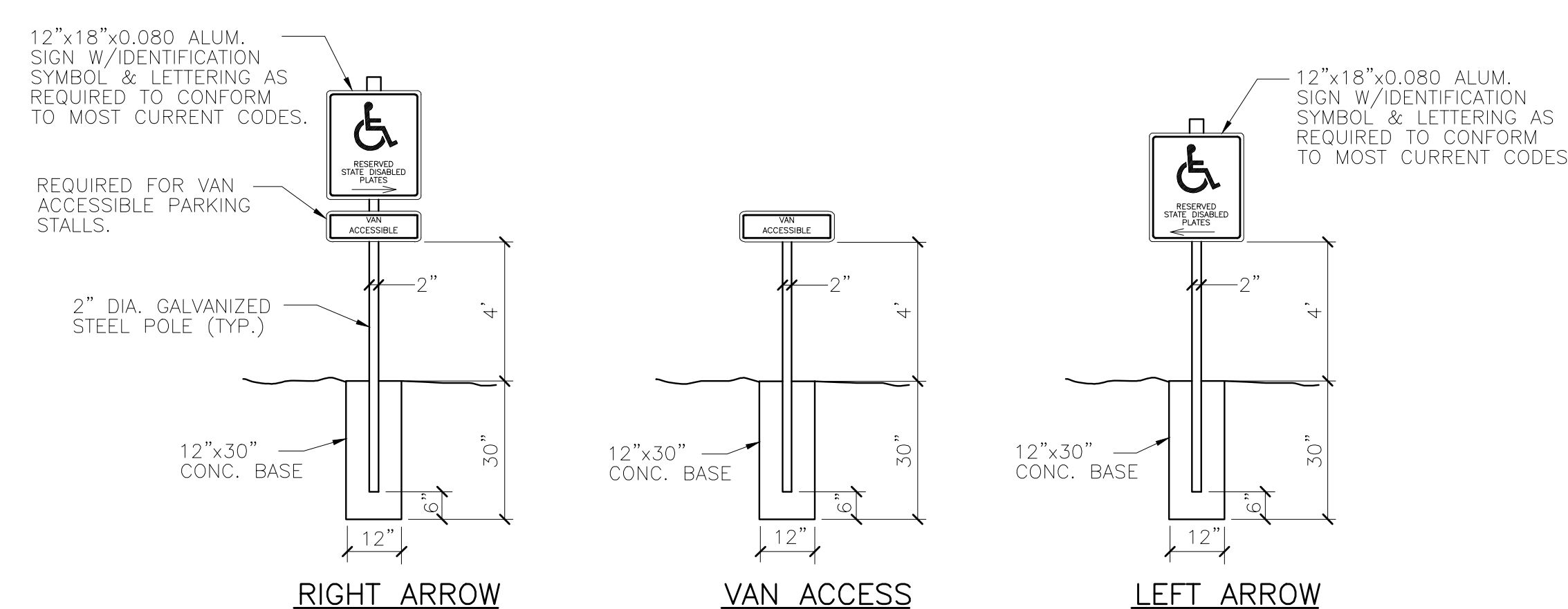
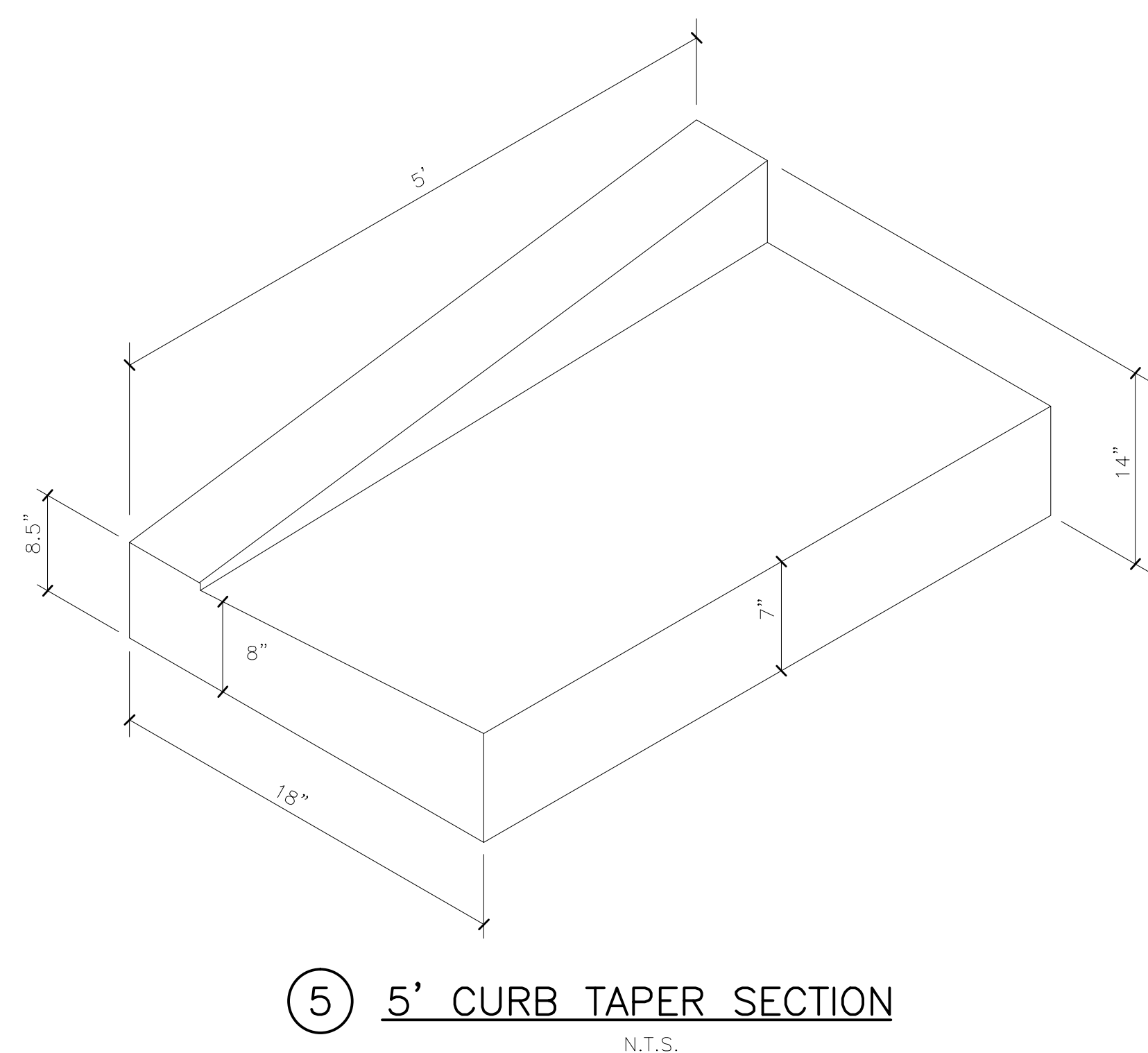
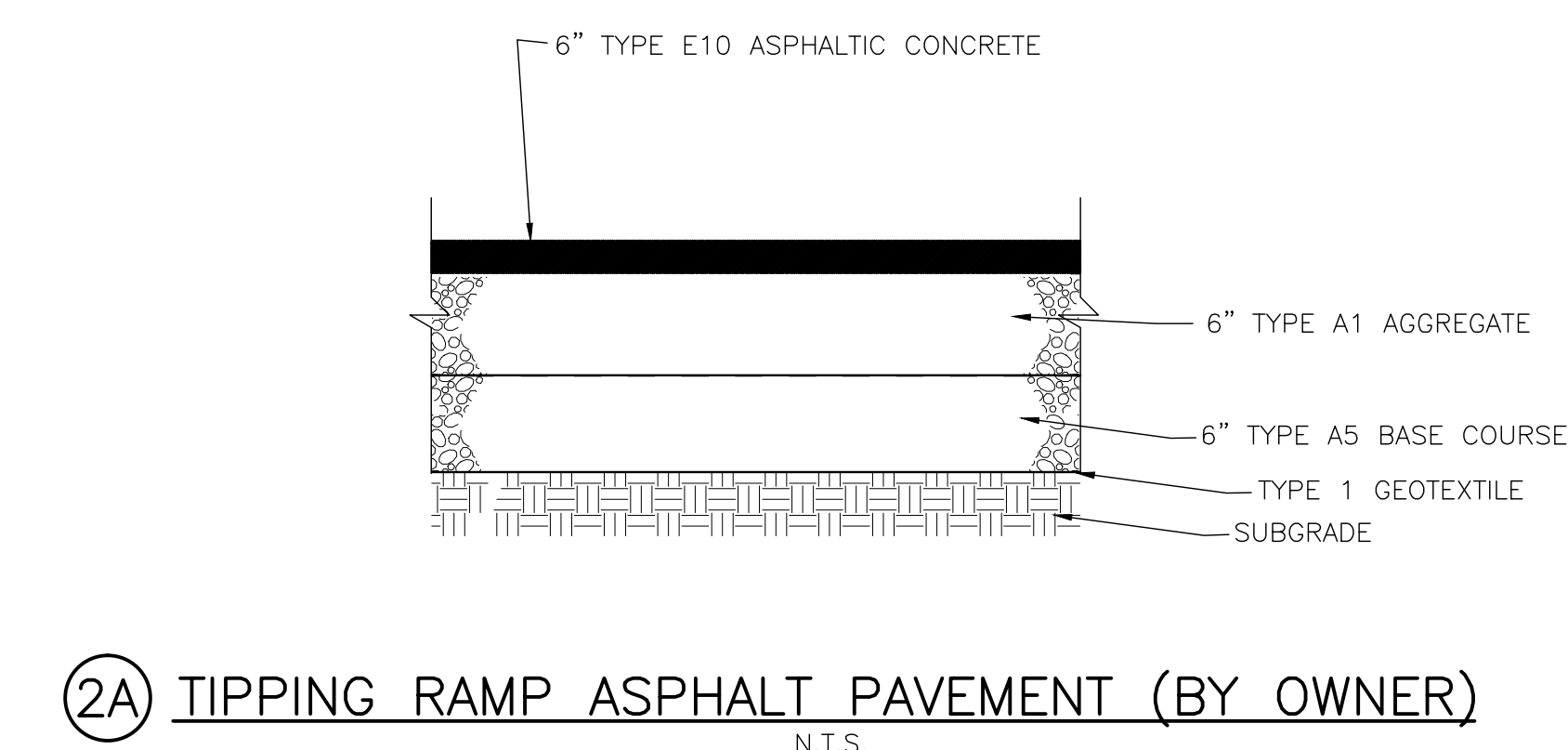
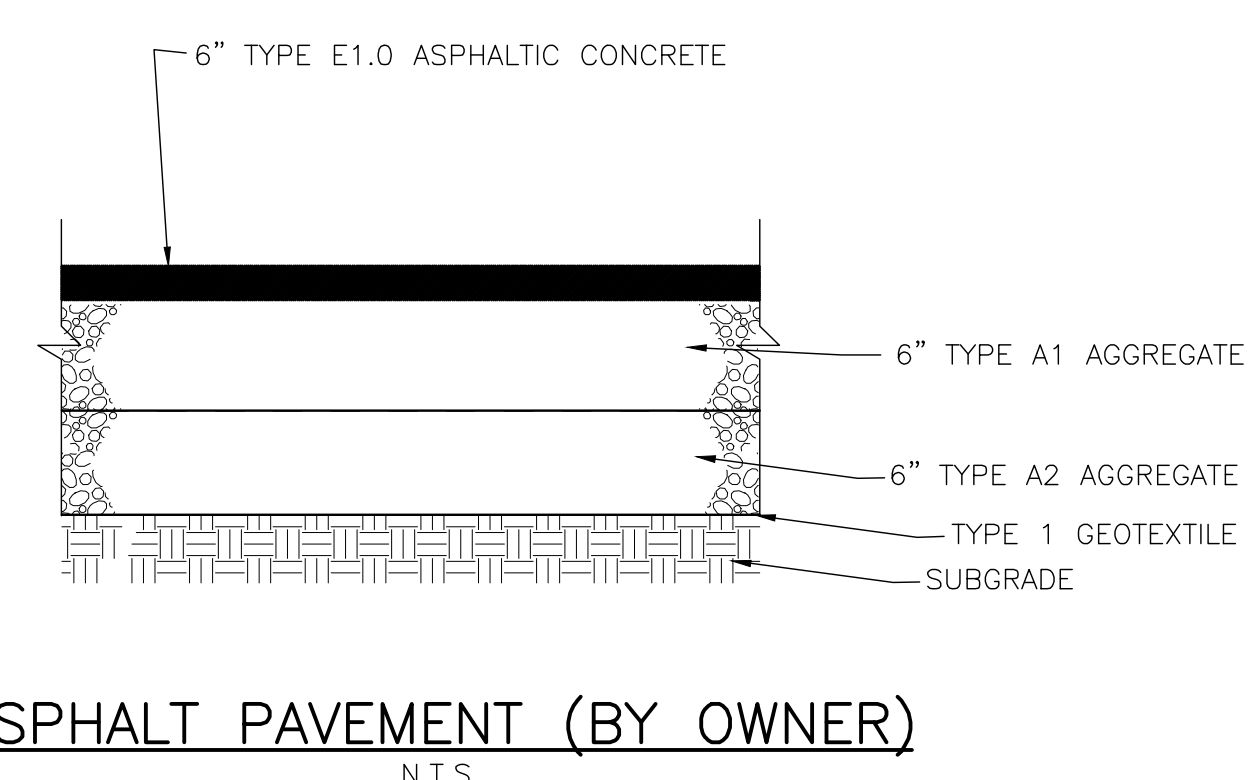
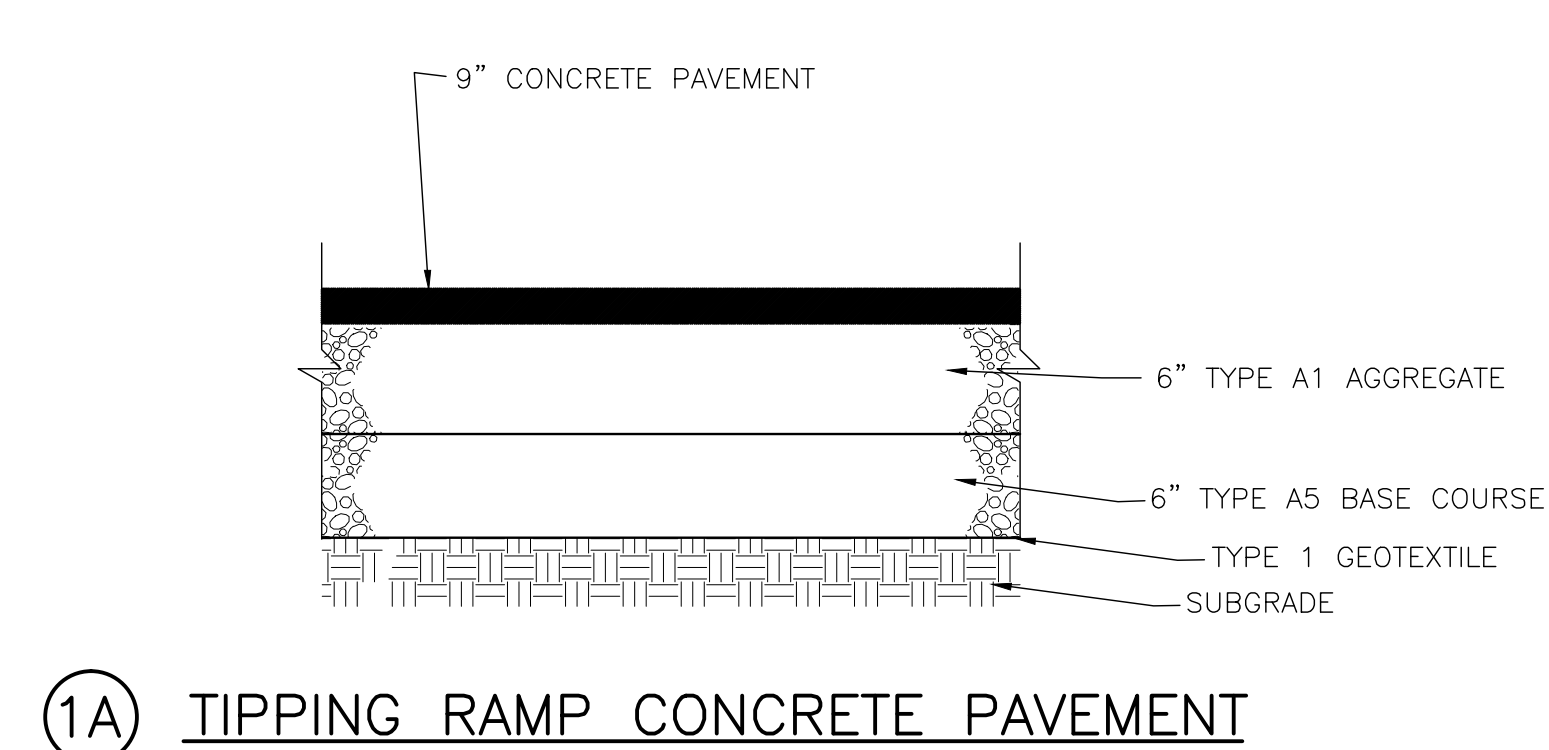
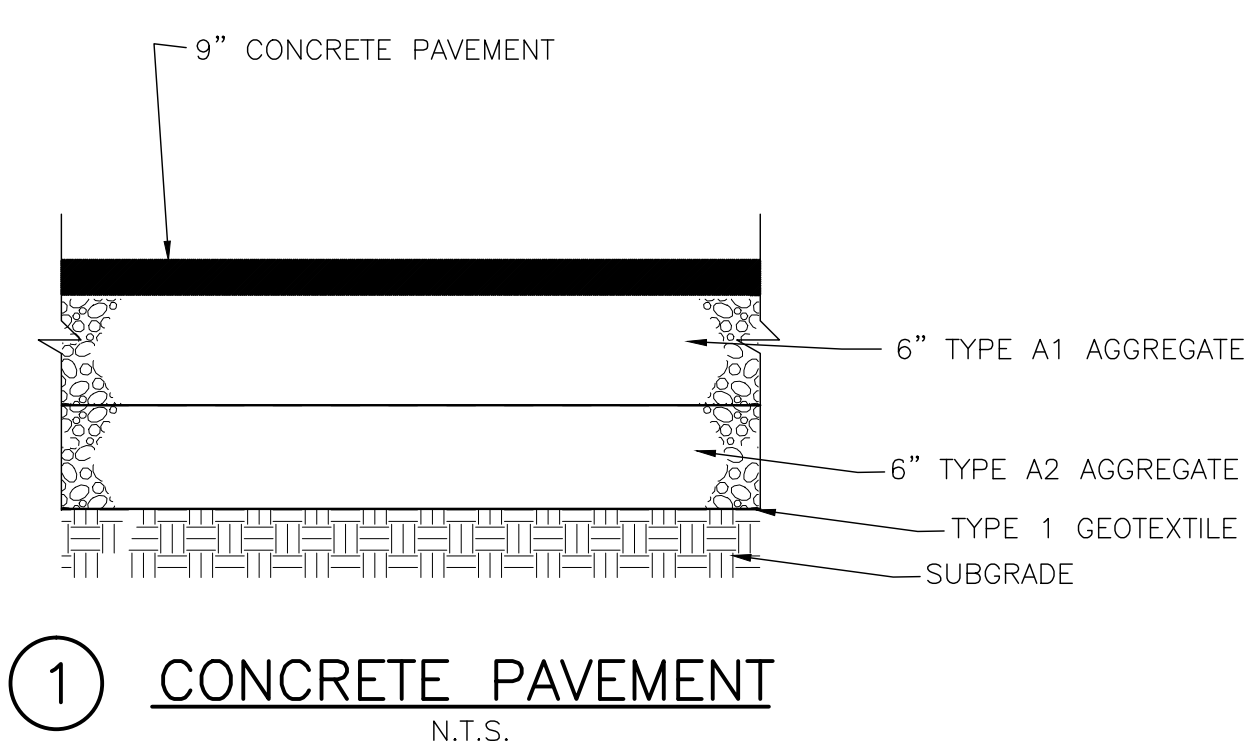


GENERAL NOTES

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2. SEE C410 FOR WORK PERFORMED BY OWNER.
3. ADA REQUIREMENTS REQUIRE A MAXIMUM GRADING SLOPE OF 20:1 (5%) ALONG LENGTH OF SIDEWALK AND A MAXIMUM GRADING SLOPE OF 50:1 (2%) ACROSS WIDTH OF SIDEWALK.
4. ALL HANDICAP RAMPS SHALL HAVE A MAXIMUM 12:1 SLOPE AND MINIMUM LENGTH OF 6 FEET.

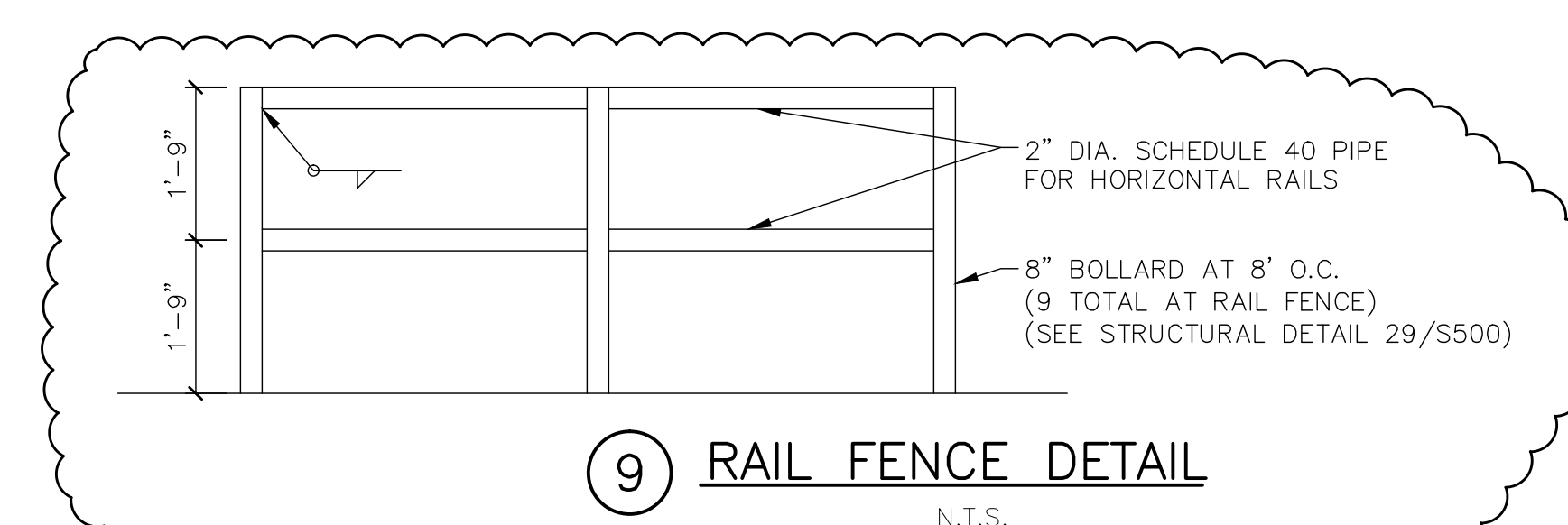
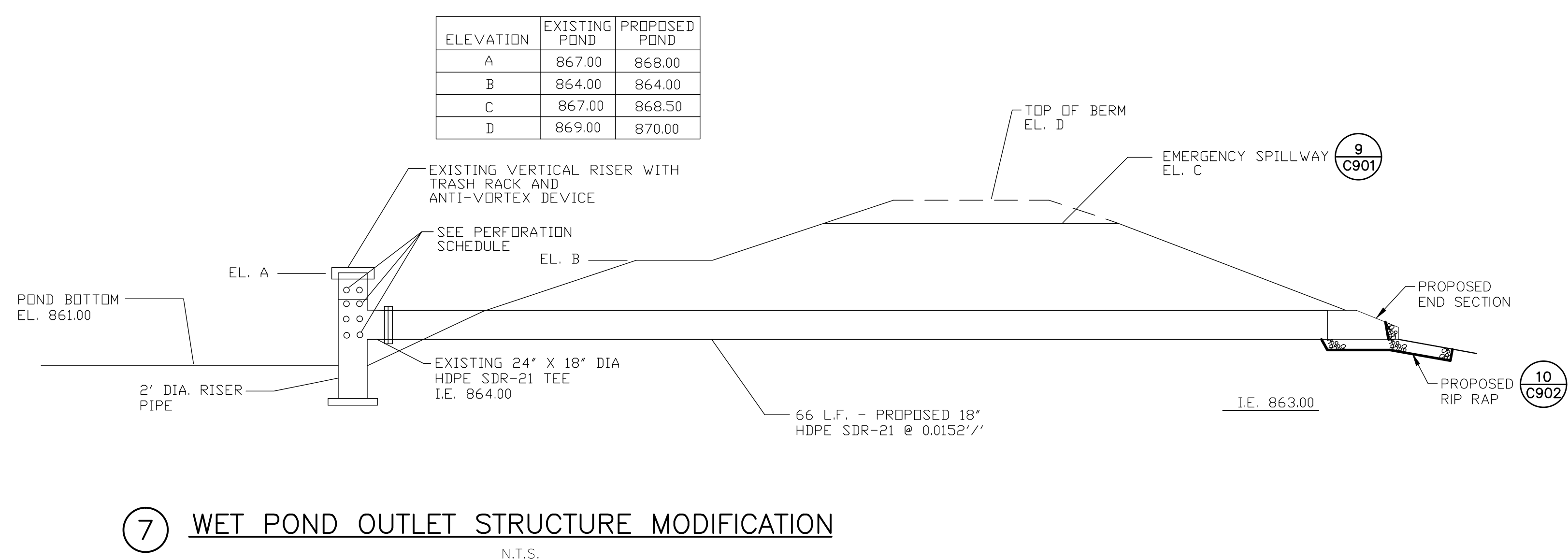
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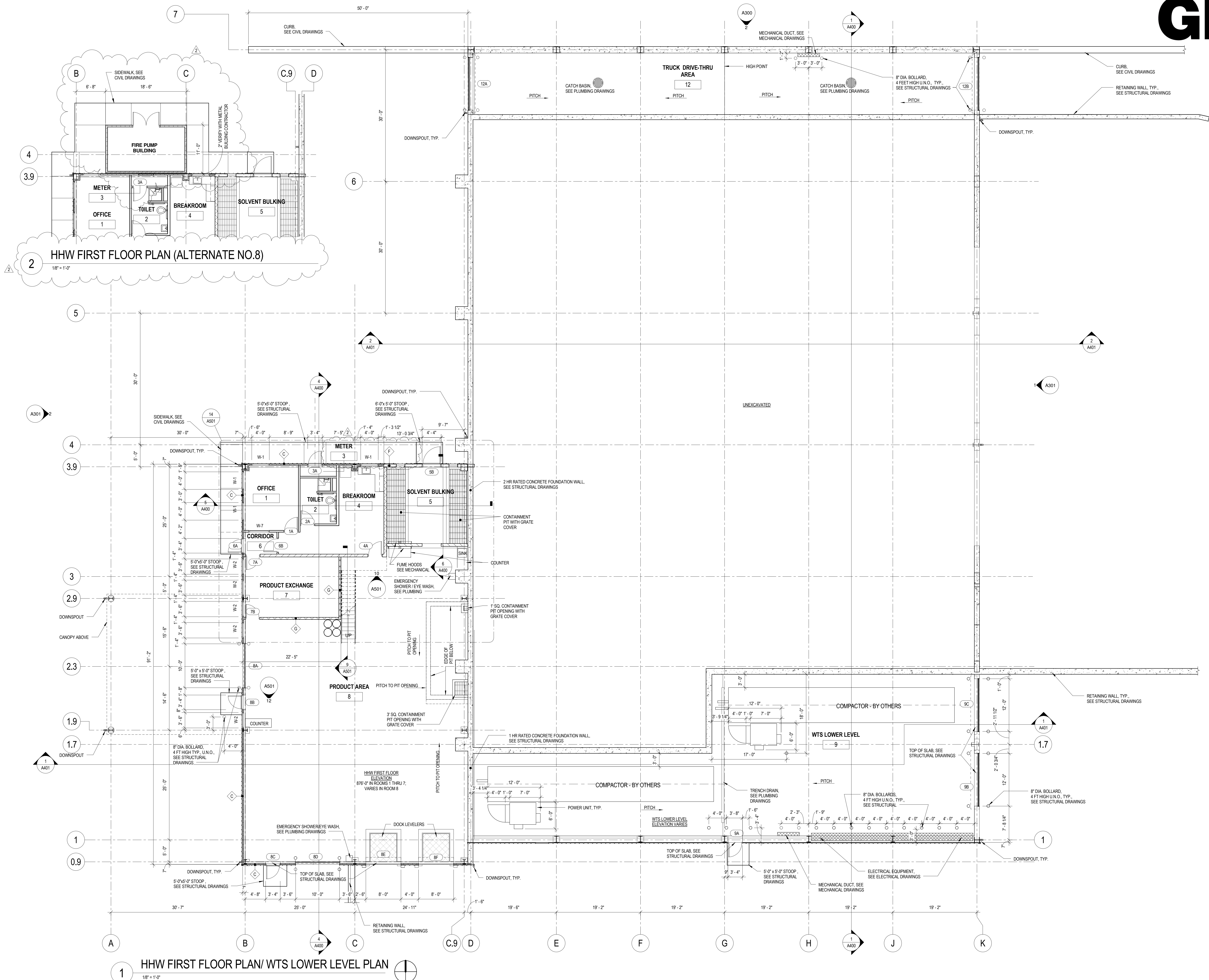
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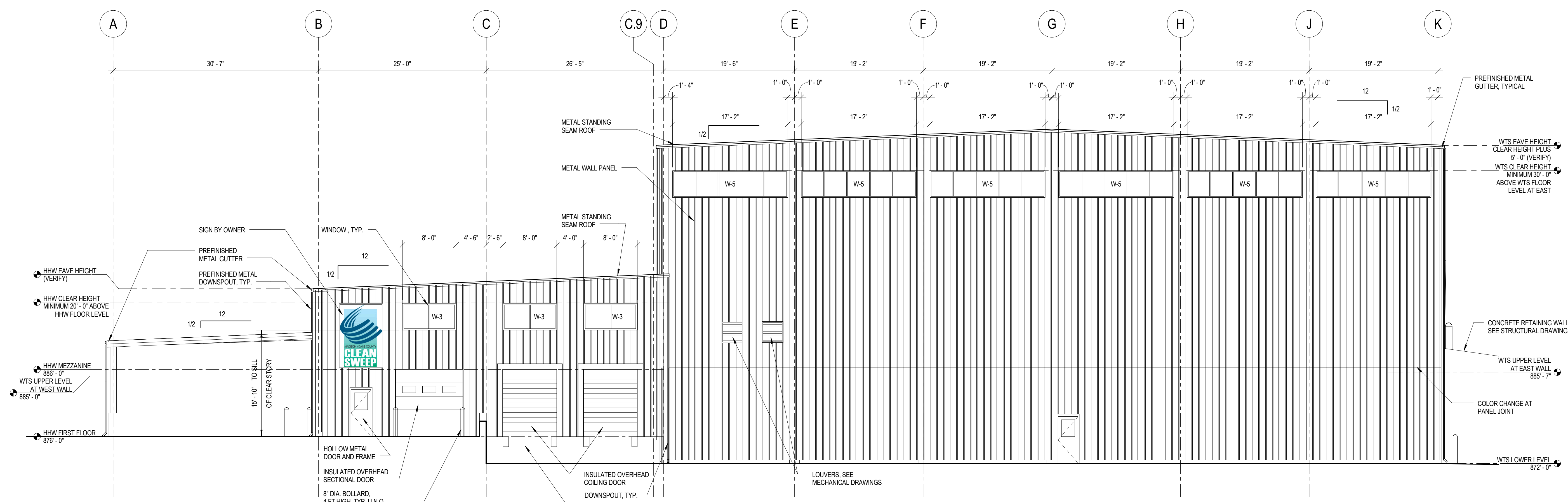
PERFORATION MODIFICATION SCHEDULE

	ELEVATION	HOLE DIA	QUANTITY
EXISTING STRUCTURE	864.00	2"	10
PROPOSED STRUCTURE	864.00	2"	5
EXISTING STRUCTURE	865.00	3"	10
EXISTING STRUCTURE	866.00	3"	10
PROPOSED STRUCTURE	866.00	3"	10
PROPOSED STRUCTURE	866.50	3"	3

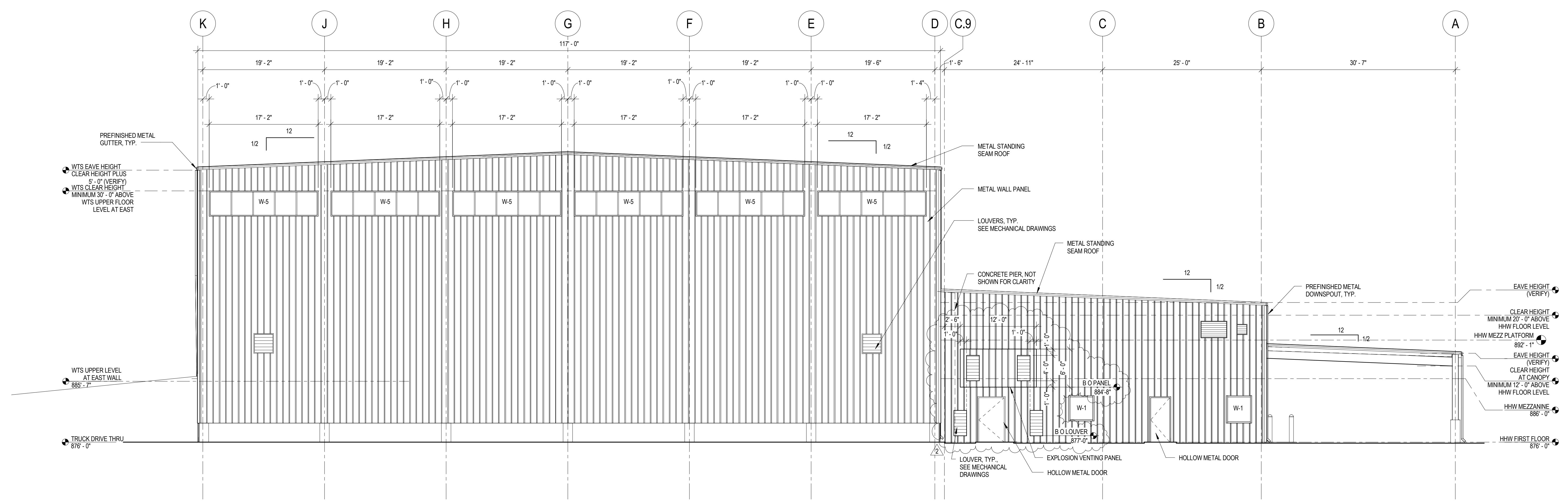




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1 SOUTH ELEVATION
1/8" = 1'-0"



2 NORTH ELEVATION
1/8" = 1'-0"

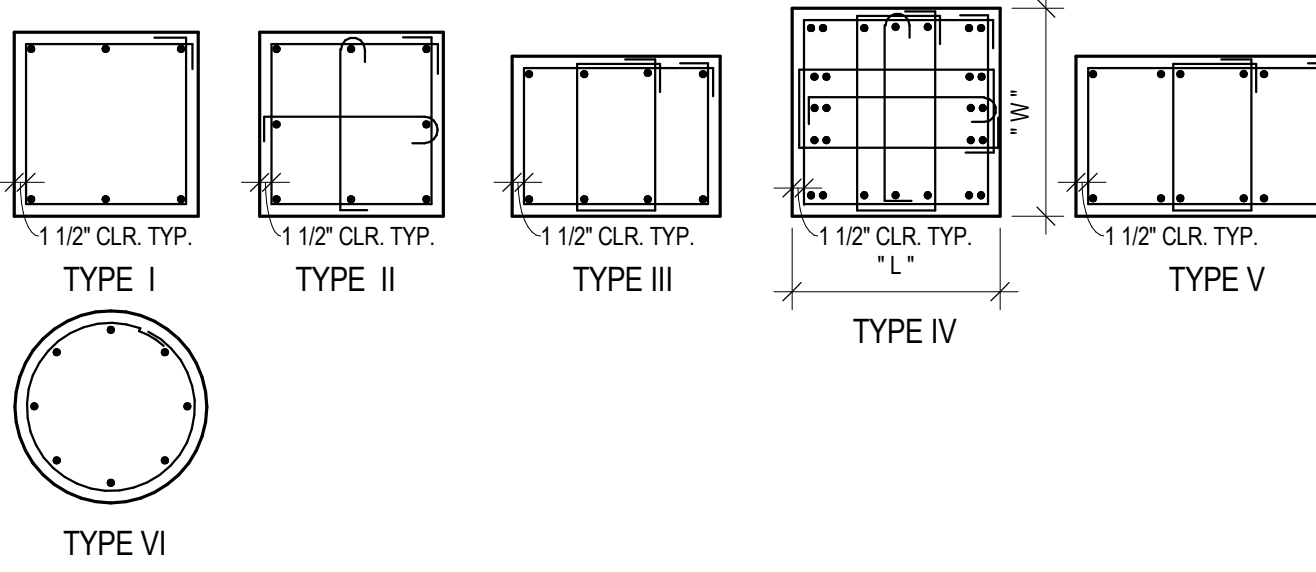
FOOTING SCHEDULE		
MARK	SIZE	REINFORCING
A	4'-0" x 4'-6" x 1'-6"	6 #5 E.W. BOT.
B	9'-0" x 9'-0" x 1'-6"	9 #6 E.W. BOT. (IN ADD. TO WALL FTG. REINF.)
C	5'-0" x 5'-0" x 1'-6"	6 #6 E.W. BOT.

CONCRETE COLUMN / PIER SCHEDULE							
MARK	SIZE	REINFORCING			TOP OF PIER	MINIMUM ANCHOR BOLTS	REMARKS
		W/L	VERTICALS	TIES			
A	14"x30"	12 - #9	#4@12"	V	875'-0"	(4)-1 1/4" DIA. W/24" EMBED MIN. SEE 16S500 & 28S500	1
B	14"x30"	12 - #9	#4@12"	V	900'-0"	(4)-1 1/4" DIA. W/24" EMBED MIN. SEE 16S500 & 28S500	2
C	36"x48"	26 - #8	#4@12"	IV	900'-0"	(6)-1" DIA. W/30" EMBED MIN. SEE 16S500 & 28S500	5
D	18"x30"	12 - #9	#4@12"	V	886'-11"	(4)-1 1/4" DIA. W/24" EMBED MIN. SEE 16S500 & 28S500	1
E	18"x18"	8 - #7	#4@12"	II	875'-0"	(4)-3/4" DIA. W/18" EMBED MIN. SEE 16S500 & 28S500	1
F	18"x18"	8 - #6	#4@12"	II	875'-0"	(4)-3/4" DIA. W/18" EMBED MIN. SEE 16S500 & 28S500	1
G	18"x18"	8 - #6	#4@12"	II	875'-0"	(4)-3/4" DIA. W/18" EMBED MIN. SEE 16S500 & 28S500	1
H	18" DIA.	8 - #7	#4@12"	VI	875'-0"	(4)-5/8" DIA. W/16" EMBED MIN. SEE 16S500 & 28S500	1
J	18"x18"	8 - #7	#4@12"	II	892'-1"	(4)-3/4" DIA. W/18" EMBED MIN. SEE 16S500 & 28S500	1
K							
L							
M							

PIER SCHEDULE NOTES:
1. VERIFY ANCHOR BOLT PLACEMENT & PROJECTIONS W/ METAL BUILDING SUPPLIER.
2. SEE DETAIL 28S500 FOR TYPICAL ANCHOR BOLT.

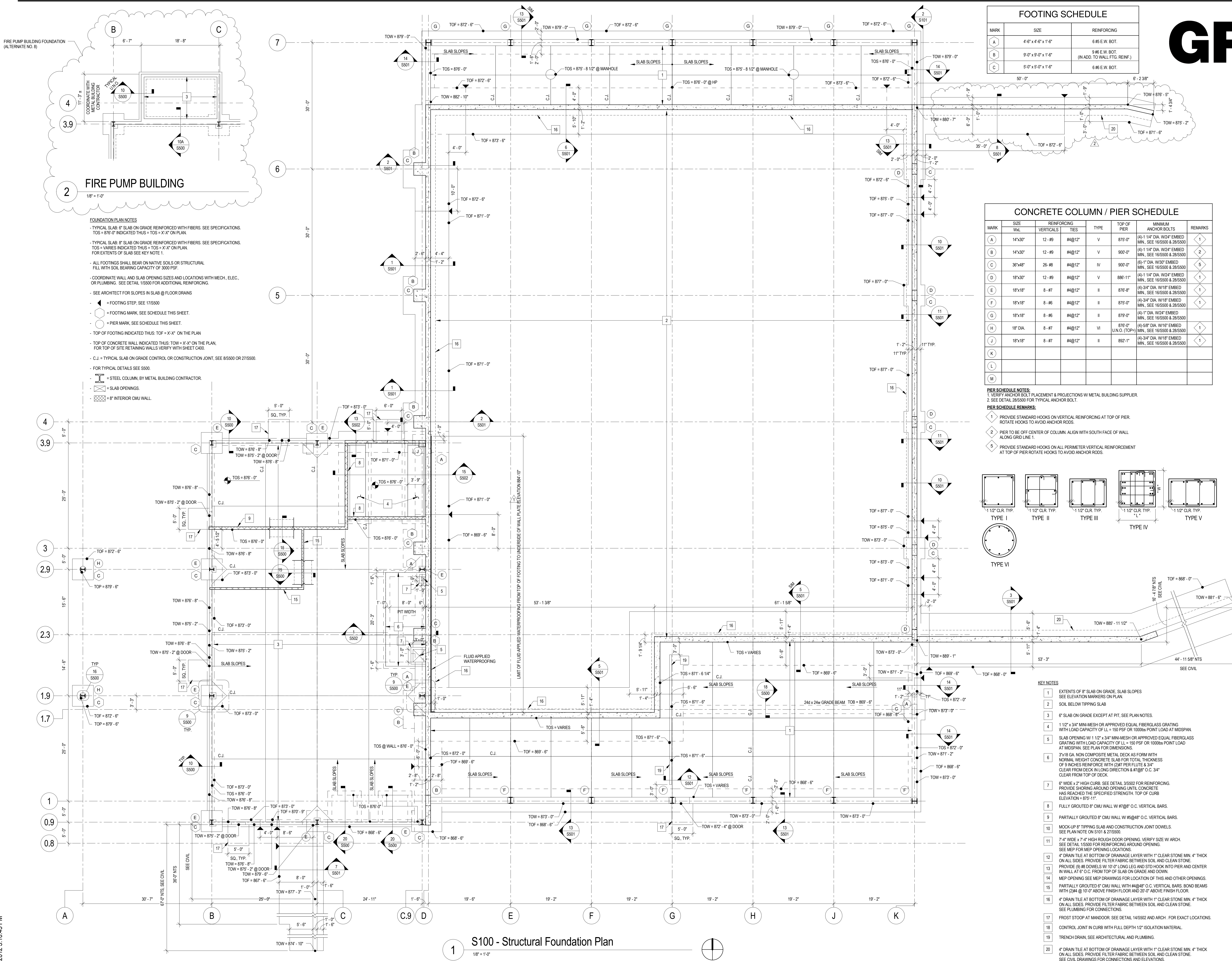
PIER SCHEDULE REMARKS:

- 1 PROVIDE STANDARD HOOKS ON VERTICAL REINFORCING AT TOP OF PIER. ROTATE HOOKS TO AVOID ANCHOR RODS.
- 2 PIER TO BE OFF CENTER OF COLUMN. ALIGN WITH SOUTH FACE OF WALL ALONG GRID LINE 1.
- 3 PROVIDE STANDARD HOOKS ON ALL PERIMETER VERTICAL REINFORCEMENT AT TOP OF PIER ROTATE HOOKS TO AVOID ANCHOR RODS.

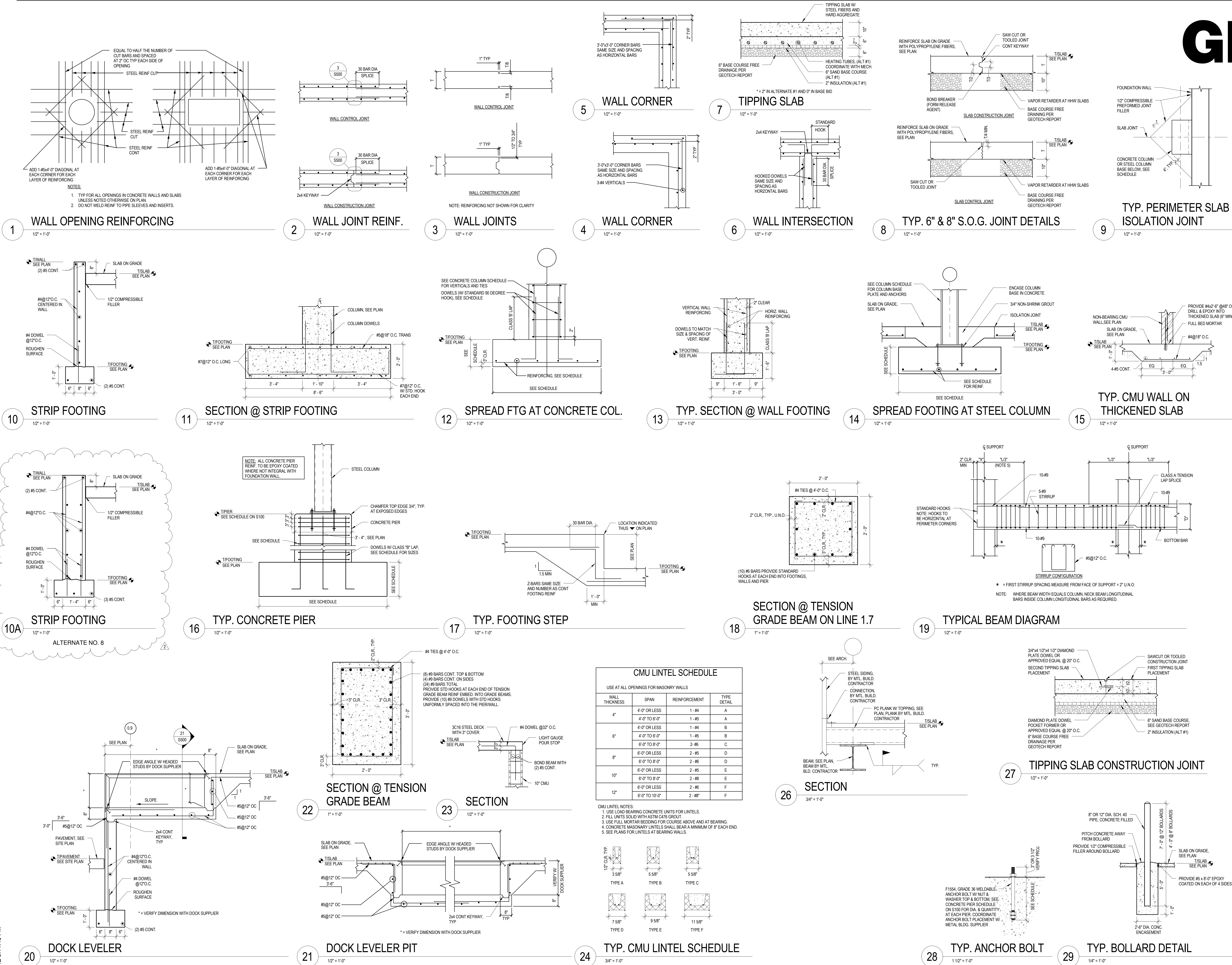


KEY NOTES

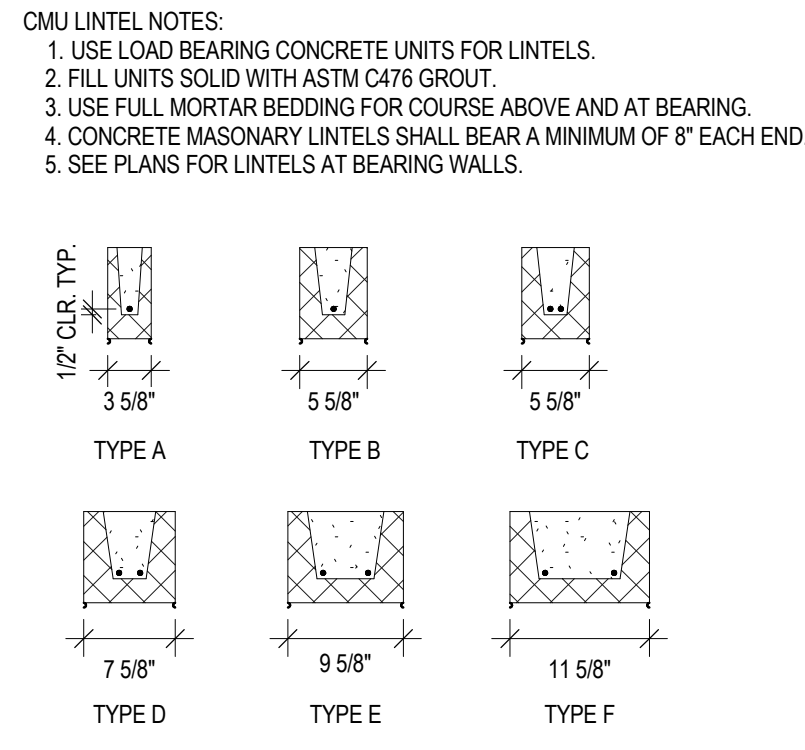
- 1 EXTENTS OF 8" SLAB ON GRADE, SLAB SLOPES SEE ELEVATION MARKERS ON PLAN.
- 2 SOIL BELOW TIPPING SLAB
- 3 6" SLAB ON GRADE EXCEPT AT PIT, SEE PLAN NOTES.
- 4 1 1/2" x 3/4" MINI-MESH OR APPROVED EQUAL FIBERGLASS GRATING WITH LOAD CAPACITY OF LL = 150 PSF OR 1000lbs POINT LOAD AT MIDSPAN.
- 5 SLAB OPENING W/ 1 1/2" x 3/4" MINI-MESH OR APPROVED EQUAL FIBERGLASS GRATING WITH LOAD CAPACITY OF LL = 150 PSF OR 1000lbs POINT LOAD AT MIDSPAN. SEE PLAN FOR DIMENSIONS.
- 6 3x18 GA. W/18 COMPOSITE METAL DECK AS FORM WITH NORMAL WEIGHT CONCRETE SLABS FOR TOTAL THICKNESS OF 9 INCHES REINFORCE WITH (2) #7 PER FLUTE & 3/4" CLEAR FROM DECK IN LONG DIRECTION & #7 @ 8" O.C. 3/4" CLEAR FROM TOP OF DECK.
- 7 6" WIDE x 2" HIGH CURBS. SEE DETAIL 35S02 FOR REINFORCING. PROVIDE SHORING AROUND OPENING UNTIL CONCRETE HAS REACHED THE SPECIFIED STRENGTH. TOP OF CURB ELEVATION = 875'-11".
- 8 FULLY GROUTED 6" CMU WALL W/ #6 @ 48" O.C. VERTICAL BARS.
- 9 PARTIALLY GROUTED 6" CMU WALL W/ #5 @ 48" O.C. VERTICAL BARS.
- 10 MOCK-UP 8" TIPPING SLAB AND CONSTRUCTION JOINT DOWELS. SEE PLAN NOTE ON S101 & 27S500.
- 11 7'-4" WIDE x 7'-4" HIGH ROUGH DOOR OPENING. VERIFY SIZE W/ ARCH. SEE DETAIL 16S00 FOR REINFORCING AROUND OPENING. SEE MEP FOR MEP OPENING LOCATIONS.
- 12 4" DRAIN TILE AT BOTTOM OF DRAINAGE LAYER WITH 1" CLEAR STONE MIN. 4" THICK ON ALL SIDES. PROVIDE FILTER FABRIC BETWEEN SOIL AND CLEAN STONE.
- 13 PROVIDE (9) #8 DOWELS W/ 10'-0" LONG LEG AND STD HOOK INTO PIER AND CENTER IN WALL AT 6" O.C. FROM TOP OF SLAB ON GRADE AND DOWN.
- 14 MEP OPENING SEE MEP DRAWINGS FOR LOCATION OF THIS AND OTHER OPENINGS.
- 15 PARTIALLY GROUTED 6" CMU WALL WITH #4 @ 48" O.C. VERTICAL BARS. BOND BEAMS WITH CURB @ 10'-0" ABOVE FINISH FLOOR AND 20'-0" ABOVE FINISH FLOOR.
- 16 4" DRAIN TILE AT BOTTOM OF DRAINAGE LAYER WITH 1" CLEAR STONE MIN. 4" THICK ON ALL SIDES. PROVIDE FILTER FABRIC BETWEEN SOIL AND CLEAN STONE. SEE PLUMBING FOR CONNECTIONS.
- 17 FROST STOOP AT MANHOLE. SEE DETAIL 14S502 AND ARCH. FOR EXACT LOCATIONS.
- 18 CONTROL JOINT IN CURB WITH FULL DEPTH 1/2" ISOLATION MATERIAL.
- 19 TRENCH DRAIN. SEE ARCHITECTURAL AND PLUMBING.
- 20 4" DRAIN TILE AT BOTTOM OF DRAINAGE LAYER WITH 1" CLEAR STONE MIN. 4" THICK ON ALL SIDES. PROVIDE FILTER FABRIC BETWEEN SOIL AND CLEAN STONE. SEE CIVIL DRAWINGS FOR CONNECTIONS AND ELEVATIONS.



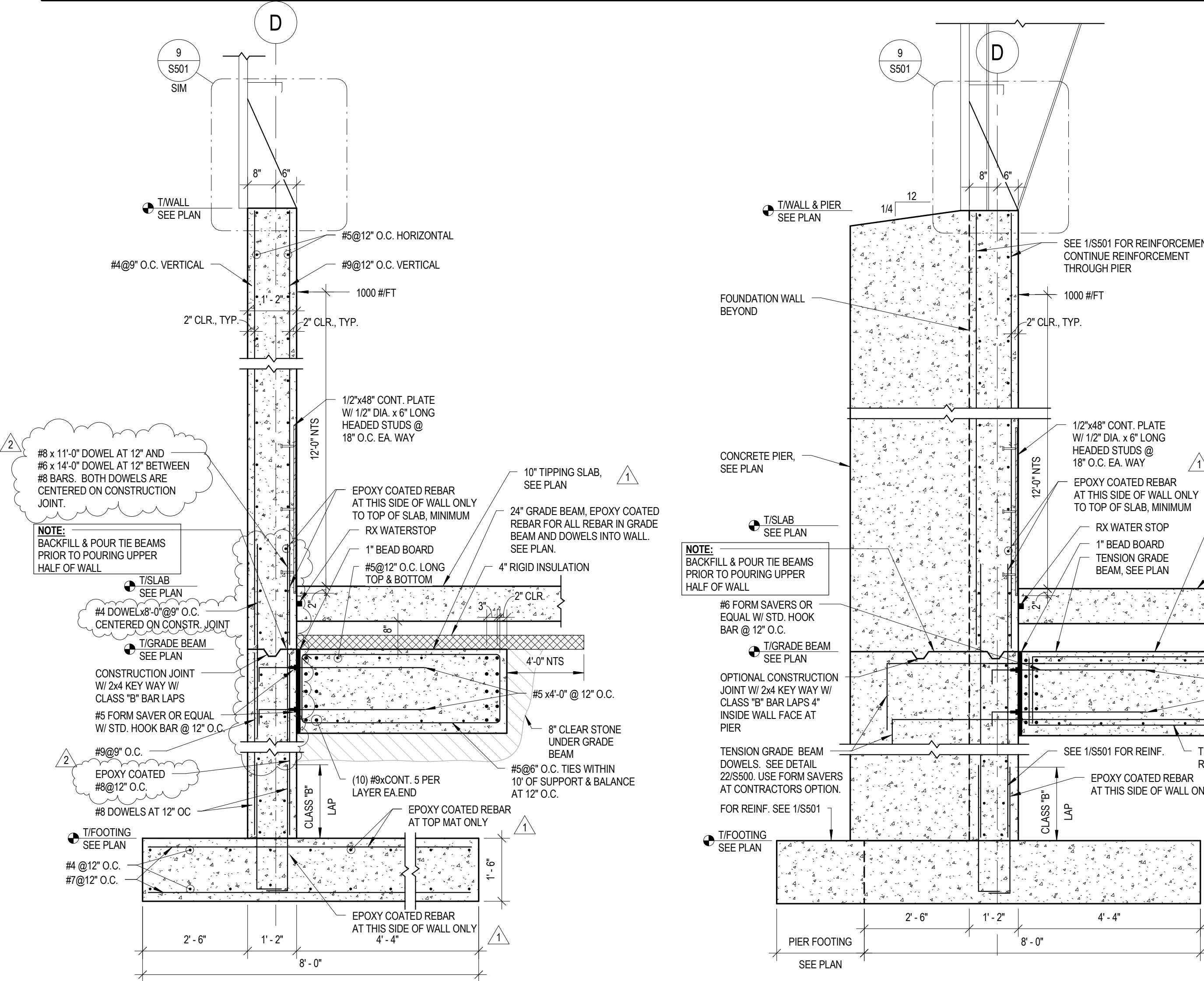
S100 - Structural Foundation Plan
1/8" = 1'-0"



CMU LINTEL SCHEDULE			
USE AT ALL OPENINGS FOR MASONRY WALLS			
WALL THICKNESS	SPAN	REINFORCEMENT	TYPE DETAIL
4"	4'-0" OR LESS	1-#4	A
	4'-0" TO 6'-0"	1-#5	A
	4'-0" OR LESS	1-#4	B
6"	4'-0" TO 6'-0"	1-#5	B
	6'-0" TO 8'-0"	2-#5	C
8"	6'-0" OR LESS	2-#5	D
	6'-0" TO 8'-0"	2-#6	D
10"	6'-0" OR LESS	2-#5	E
	6'-0" TO 8'-0"	2-#6	E
12"	6'-0" OR LESS	2-#6	F
	6'-0" TO 10'-0"	2-#8	F

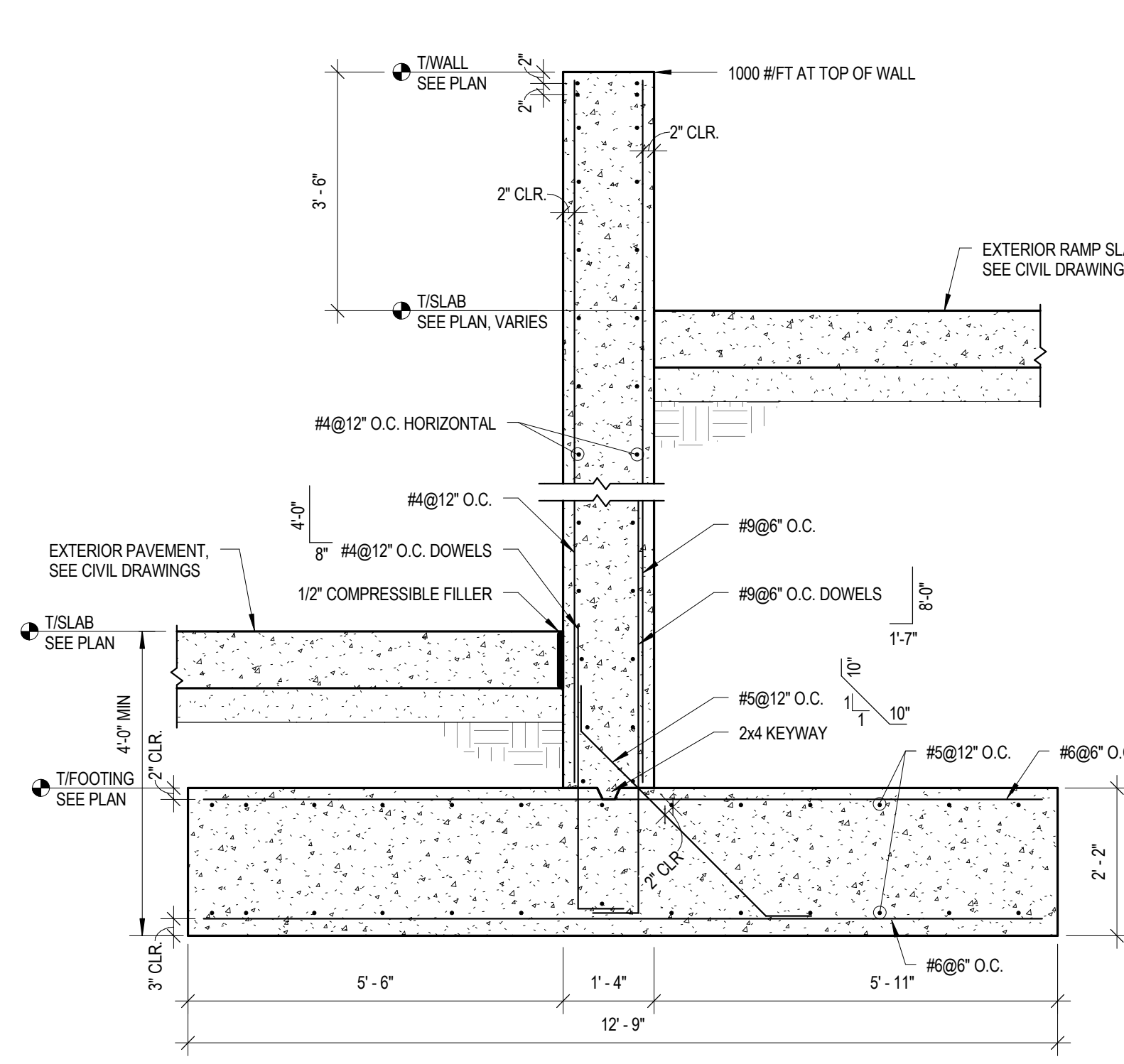


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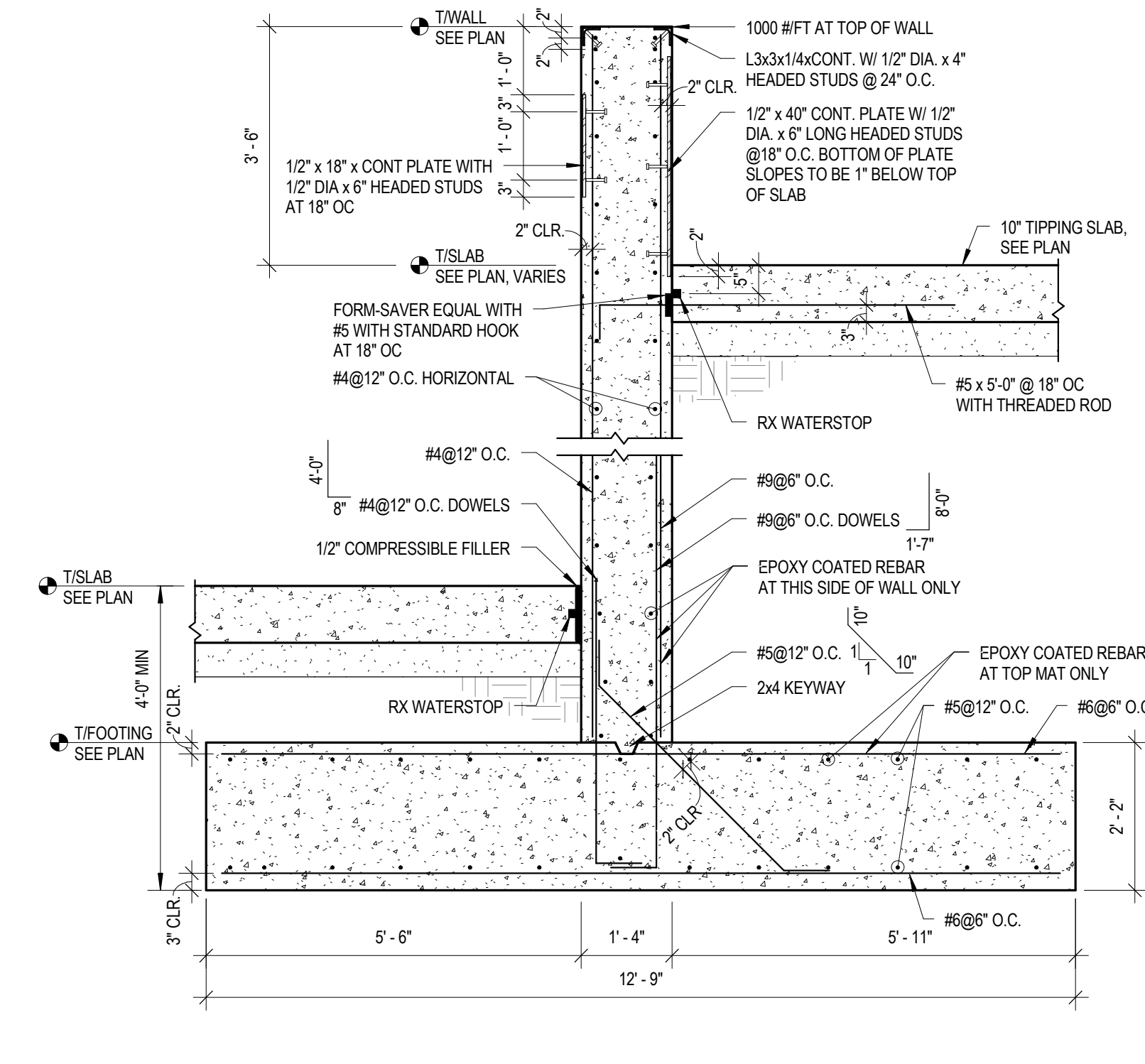


1 SECTION @ PUSH WALL

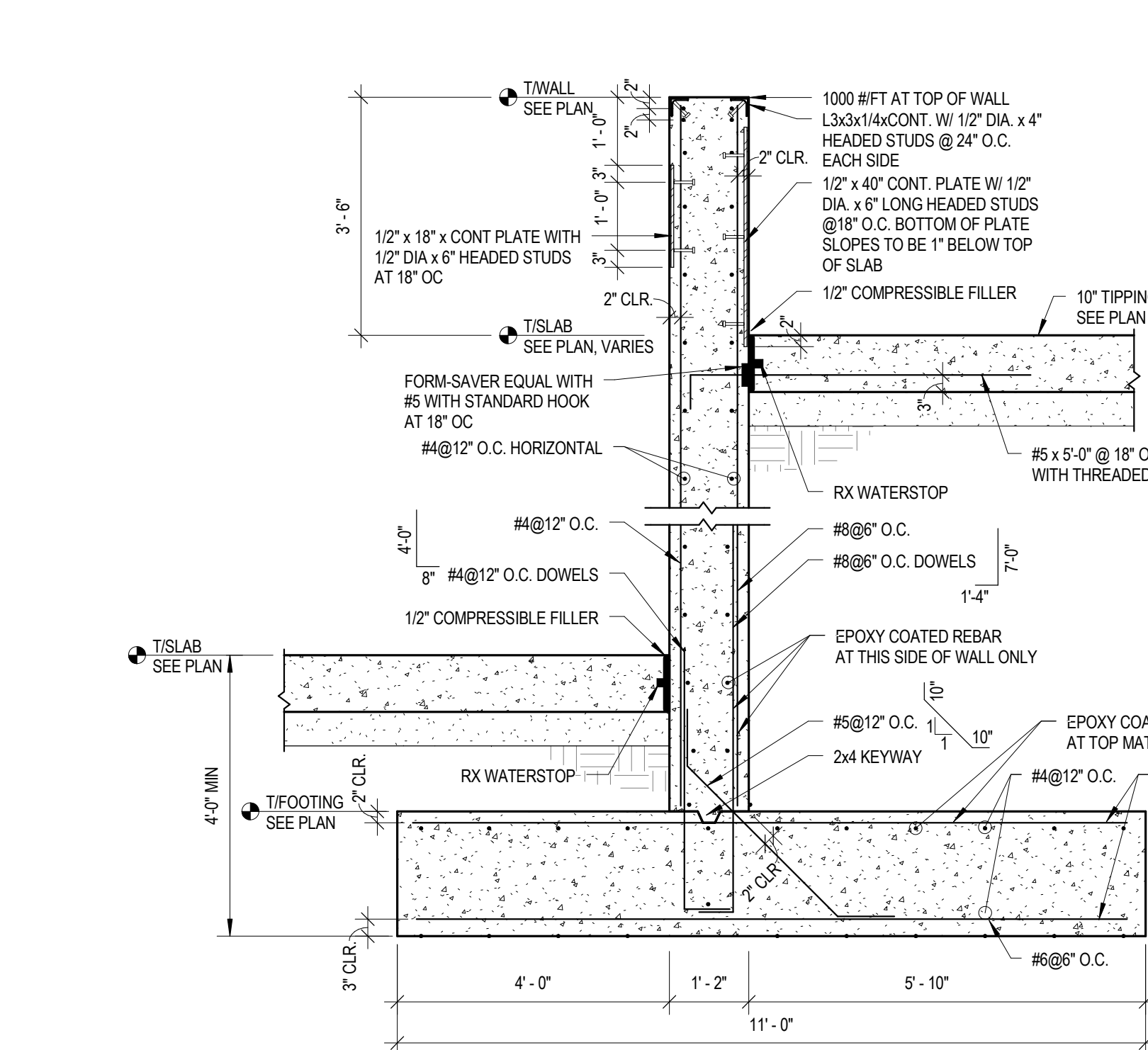
2 PIER SECTION @ PUSH WALL



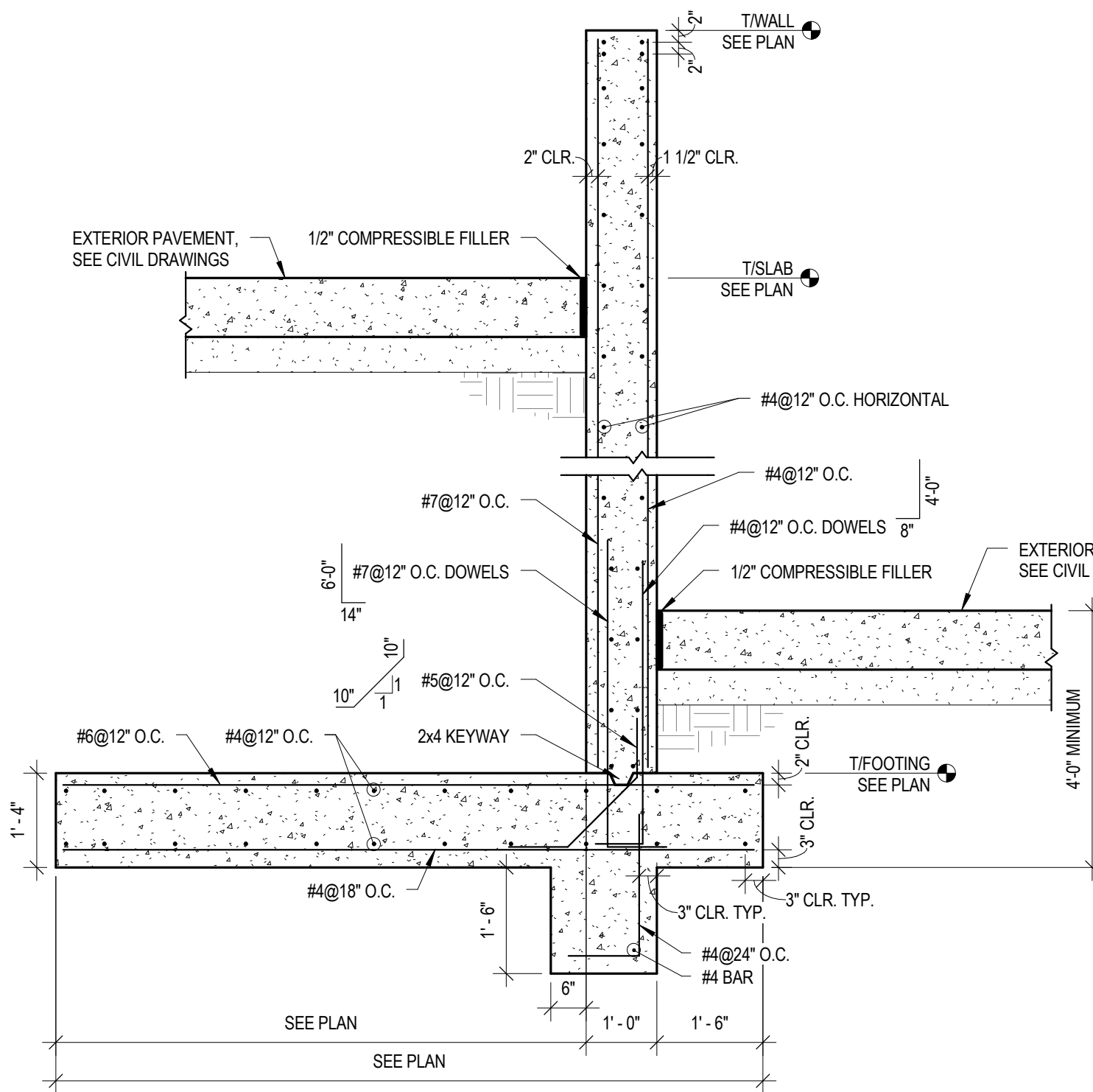
3 SECTION @ SITE RETAINING WALL



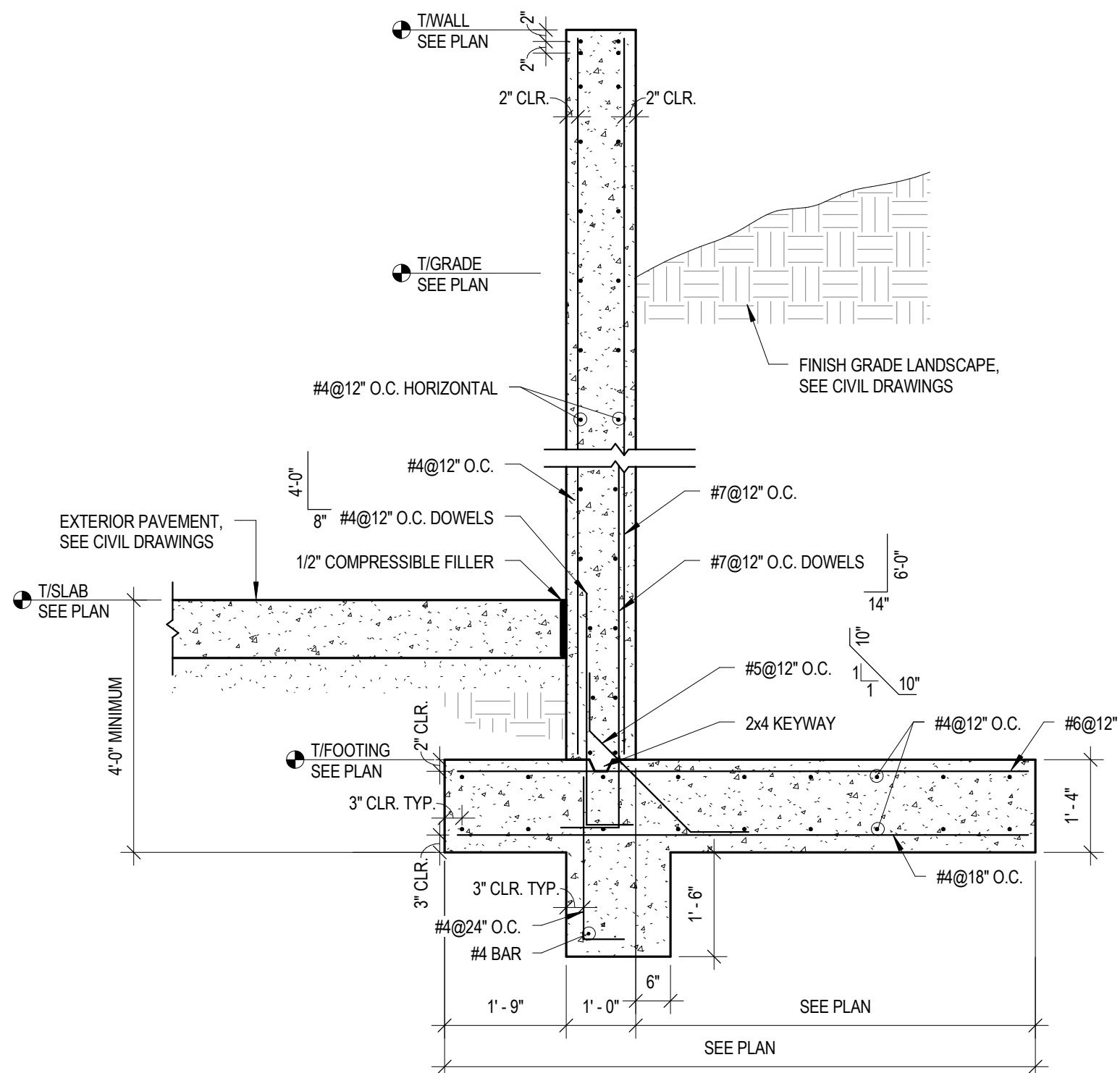
5 SECTION @ COMPACTOR THRU RETAINING WALL



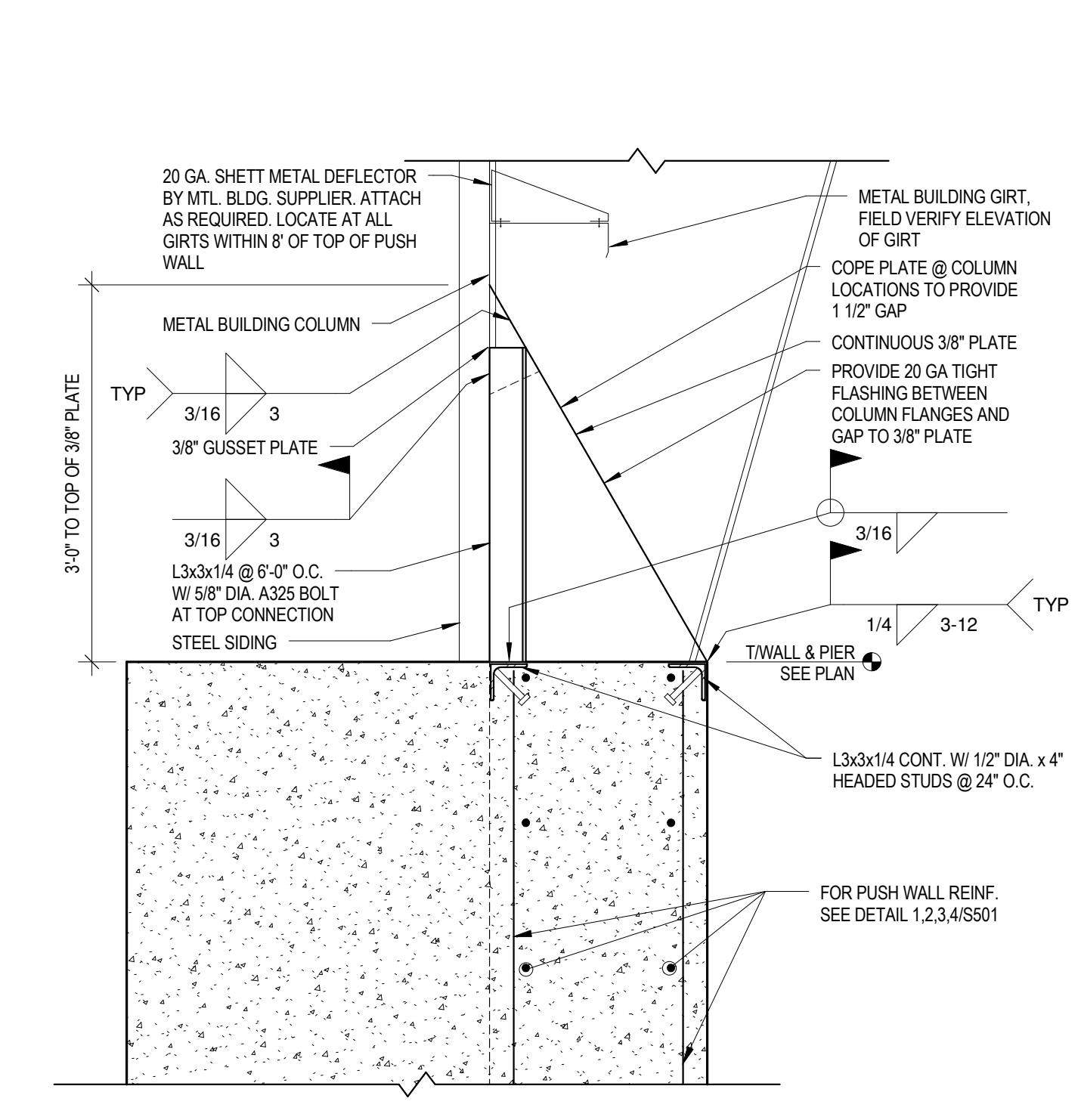
6 SECTION @ DRIVE THRU RETAINING WALL



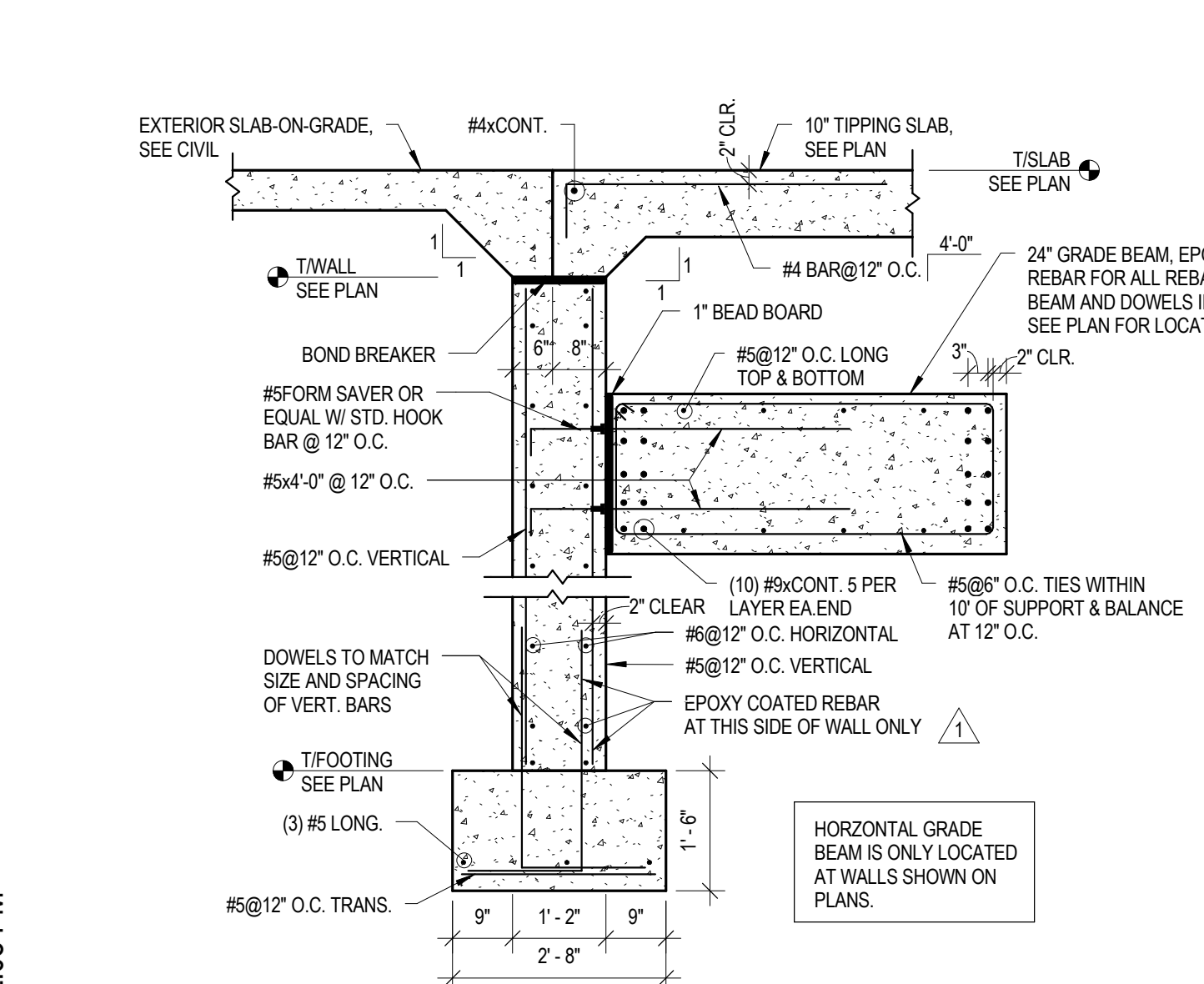
7 SECTION @ SITE RETAINING WALL



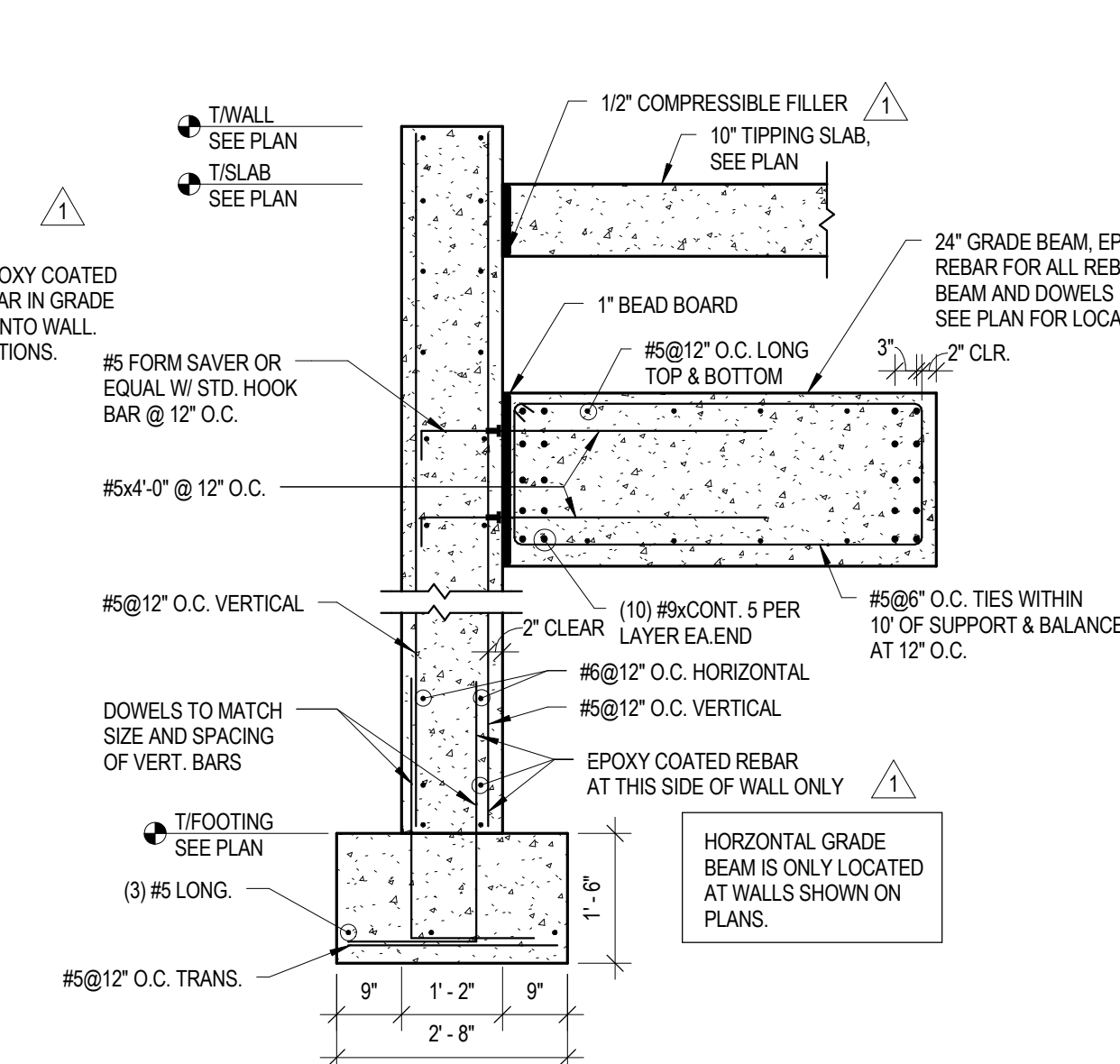
8 SECTION @ SITE RETAINING WALL



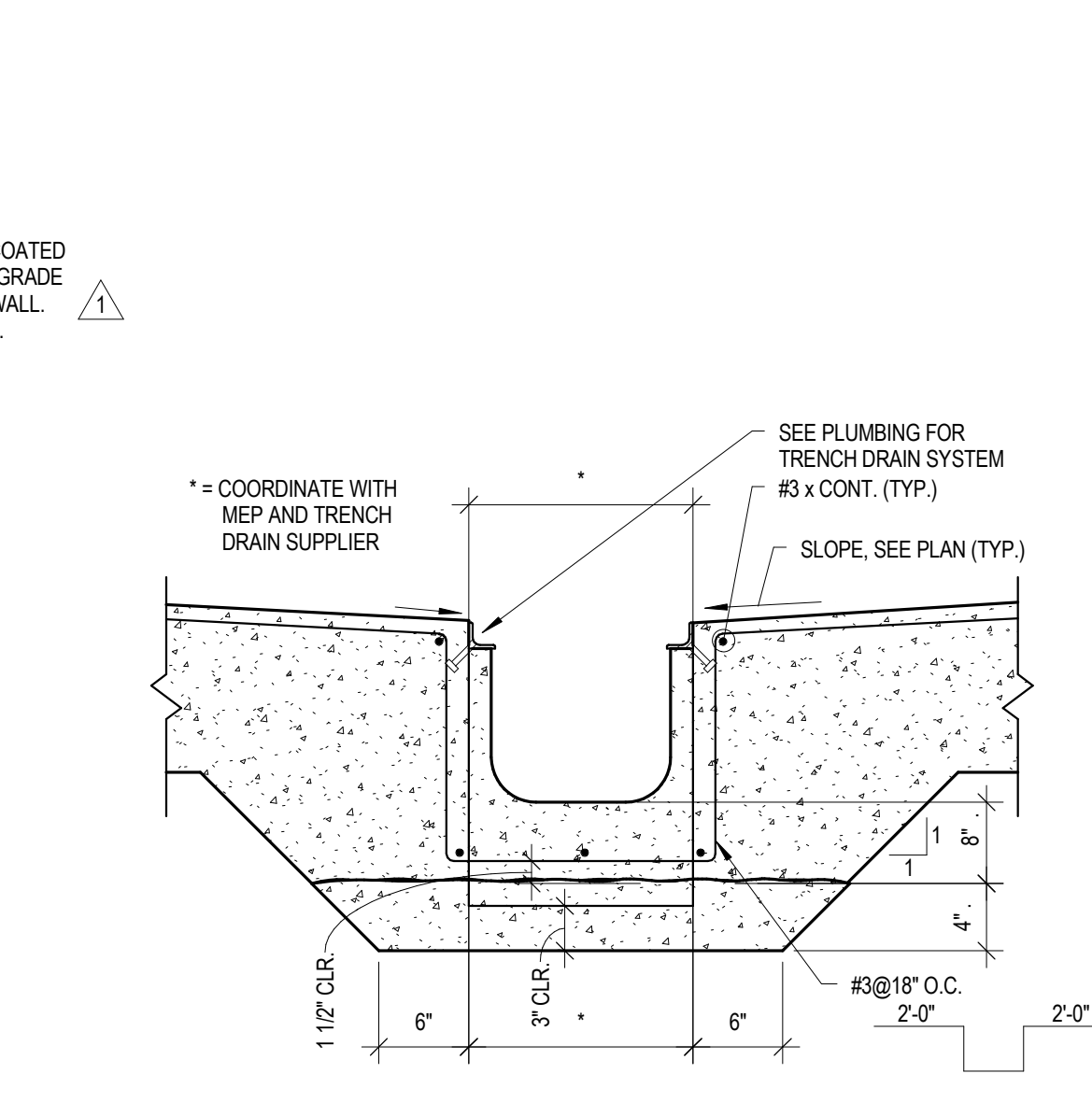
9 SECTION @ CONTINUOUS PLATE AT PUSHWALL



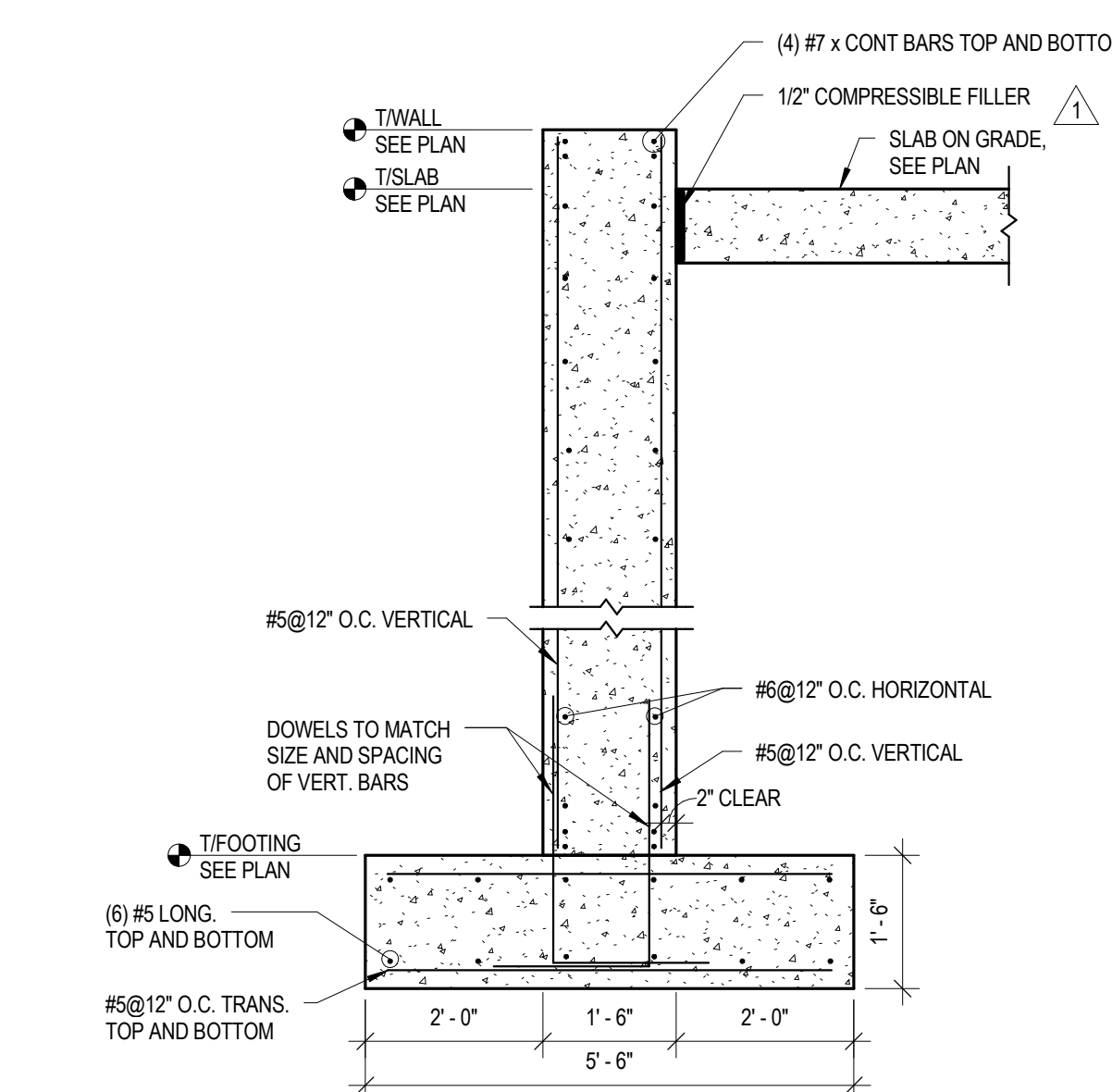
10 SECTION @ FOUNDATION WALL



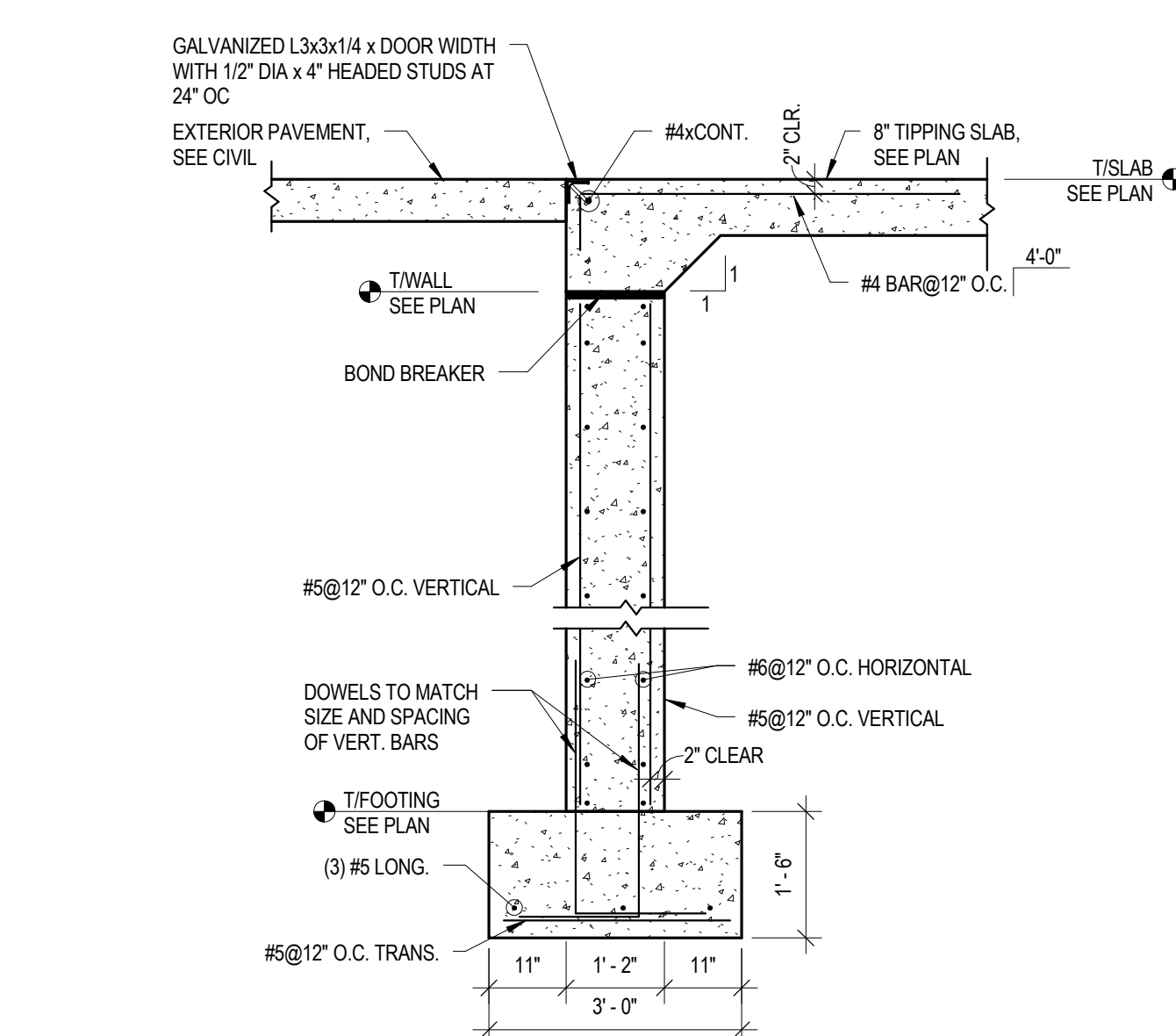
11 SECTION @ FOUNDATION WALL



12 TRENCH DRAIN DETAIL

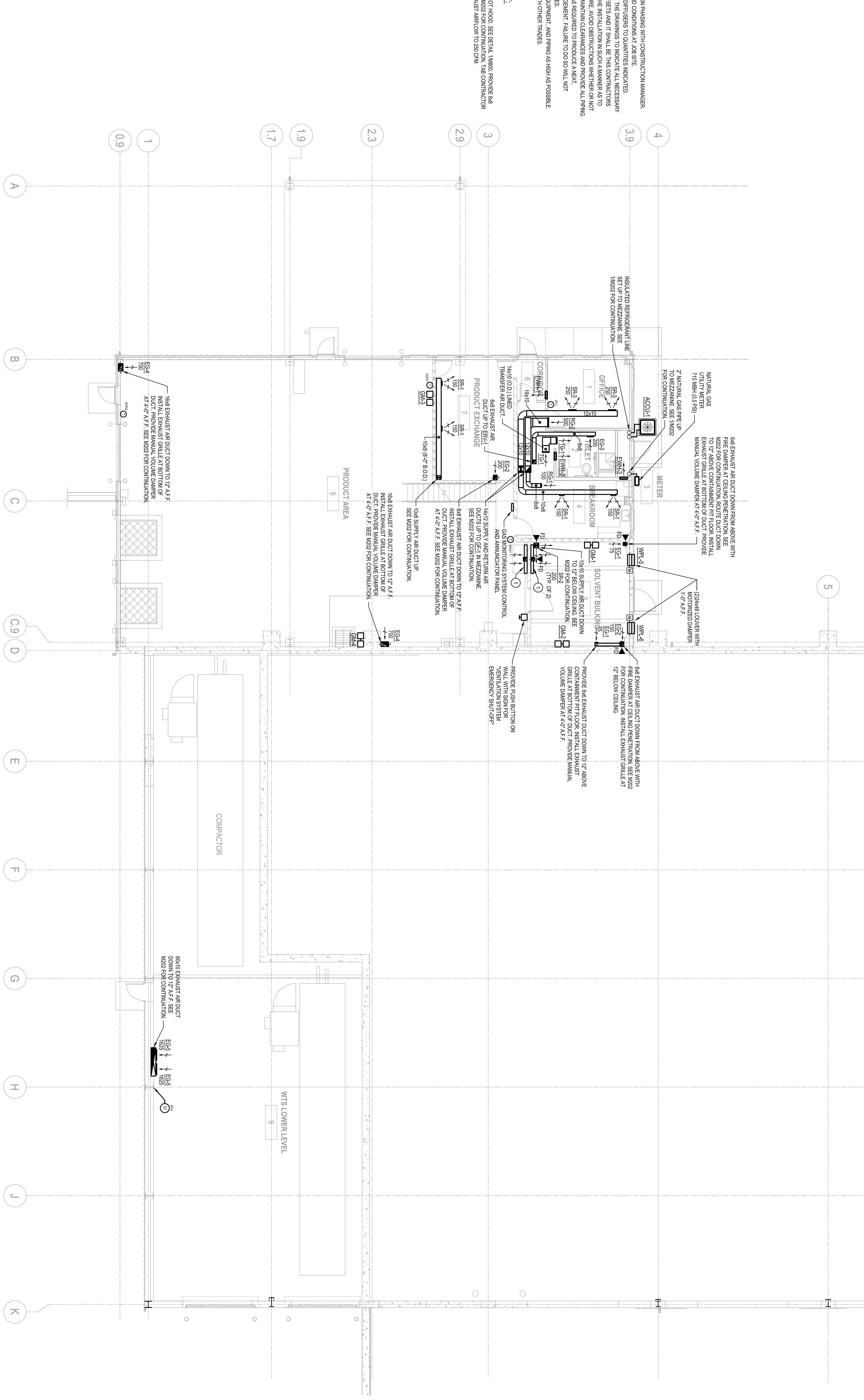
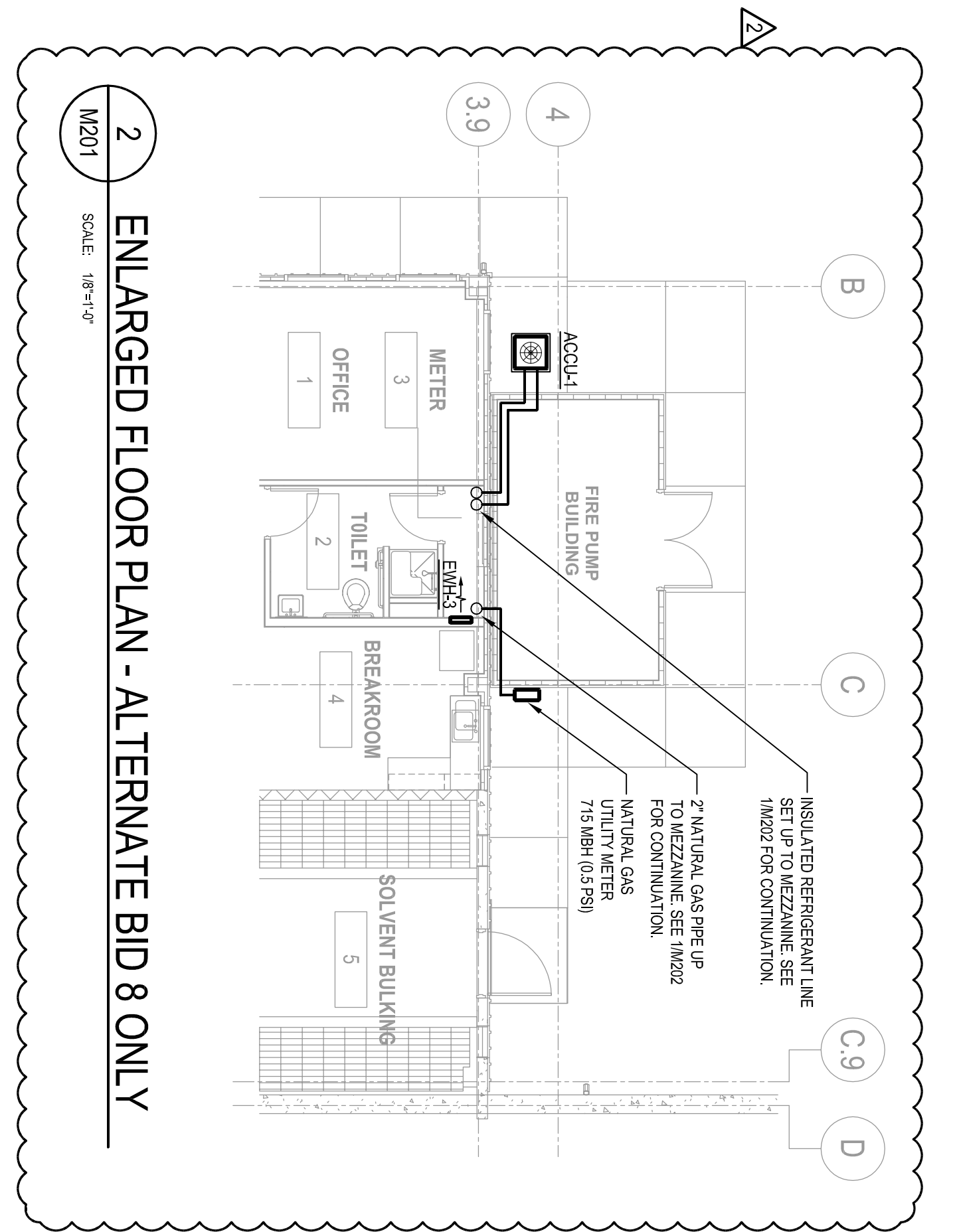


13 SECTION @ FOUNDATION WALL



14 SECTION @ FOUNDATION WALL

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- GENERAL NOTES:**
- COORDINATE CONSTRUCTION PHASING WITH CONSTRUCTION MASTER.
 - VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE.
 - BALANCE ALL GRILLES AND DIFFUSERS TO QUANTITIES INDICATED.
 - IF IS NOT THE INTENTION OF THE DRAWINGS TO INDICATE ALL NECESSARY PERMANENT WORK PIPES AND FITTINGS, SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY PERMANENT WORK PIPES AND FITTINGS TO THE STRUCTURE, MAINTAIN CLEARANCES AND PROVIDE ALL PIPING AND DUCTWORK OFFSETS AS REQUIRED TO PRODUCE A NEAT WORKMANSHIP ARRANGEMENT. FAILURE TO DO SO WILL NOT CONSTITUTE EXTRA WORK. PIPING AND PIPING AS HIGH AS POSSIBLE.
 - DO NOT REMOVE ANY EXISTING PIPING AND PIPING AS HIGH AS POSSIBLE.
 - COORDINATE ALL WORK WITH OTHER TRADES.

- KEYED NOTES THIS SHEET:**
- PROVIDE FUME EXHAUST SLOOT HOOD. SEE DETAIL M200. PROVIDE 8\"/>

1 HHW FIRST FLOOR/WTS LOWER LEVEL HVAC PLAN - BASE BID
SCALE: 1/8"=1'-0"
M201



SECTION AT MAKE-UP AIR UNIT
SCALE: 1/4" = 1'-0"

- GENERAL NOTES:**
- COORDINATE CONSTRUCTION PHASING WITH CONSTRUCTION MANAGER
 - VERIFY ALL DIMENSIONS AND CONDITIONS WITH CONTRACTOR
 - BALANCE ALL GRILLS AND DIFFUSERS TO QUANTITIES INDICATED
 - IT IS NOT THE INTENTION OF THE DRAWINGS TO INDICATE ALL NECESSARY PIPING AND DUCTWORK OFFSETS AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE THE INSTALLATION IN SUCH A MANNER AS TO CONFORM TO THE STRUCTURE AND OBSTRUCTIONS WHETHER OR NOT SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PIPING AND DUCTWORK OFFSETS AS REQUIRED TO PRODUCE A NEAT, WORKSMANLIKE ARRANGEMENT. FAILURE TO DO SO WILL NOT CONSTITUTE EXTRA CHARGES.
 - INSTALL ALL DUCTWORK EQUIPMENT AND PIPING AS HIGH AS POSSIBLE
 - COORDINATE ALL WORK WITH OTHER TRADES

- KEYED NOTES THIS SHEET:**
- REMOVE 4" CONCRETE AND SETTING FOR ALL FLOOR MOUNTED EQUIPMENT (MOUNTING GR-1)
 - 2" SUPPLY AND 2" COMBUSTION AIR INLET PIPING UP TO CONCENTRIC BENT FOR SINGLE PIPE PENETRATION THROUGH ROOF
 - INSTALL SUPPLY GRILL ON 4" SETBACK FROM WALLS. SPACING SHALL BE 24" BETWEEN GRILLS FOR 2" CONCENTRIC HORIZONTAL AIRFLOW DEFLECTION.
 - PROVIDE 3/4" COMPENSATE DRAIN PIPES FROM GAS FINNED GAS LIGHT EXCHANGERS AND COOLING COIL AND ROUTE TO PLUMBING MECHANICAL FLOOR. REFER TO PLUMBING DRAWINGS.

HHW MEZZANINE/ WTS UPPER LEVEL HVAC PLAN - BASE BID
SCALE: 1/8" = 1'-0"