

**GENERAL NOTES**

- GENERAL NOTES AND LEGEND ON THIS SHEET SHALL APPLY TO SHEETS SITE DEVELOPMENT DRAWINGS D-1 THROUGH D-12
- PROPERTY LINE CONTROL IS AS ESTABLISHED BY LAWRENCE G. BRAIN, CIVIL ENGINEER, AND IS AS SHOWN ON THE RECORD OF SURVEY, FILE NO. 17670 D, IN BOOK 4 OF MAPS, PAGE 17, IN THE OFFICE OF THE RECORDER OF SAN MATEO COUNTY, CALIFORNIA.
- GRID NORTH AS SHOWN ON THESE DRAWINGS IS EQUAL TO N 46°40'12"W AS SHOWN ON THE RECORD OF SURVEY MAP
- ALL PROPERTY CORNERS ARE MONUMENTS. TWO PERMANENT MONUMENTS ON THE SITE ARE AS LOCATED ON THIS SHEET
- LIMIT OF WORK SHALL BE THE PROPERTY LINE EXCEPT AS DIRECTED IN WRITING BY THE ARCHITECT
- FINISH GRADES SHALL CONFORM TO AND BLEND IN SMOOTHLY WITH EXISTING GRADES.
- FINISH GRADES SHALL BE UNIFORM LEVELS OR SLOPES BETWEEN ESTABLISHED POINTS OR BETWEEN ESTABLISHED POINTS AND EXISTING GRADES.
- BEARING LINES SHALL BE ASSUMED TO BE DUE N OR E UNLESS OTHERWISE INDICATED.
- BASIS OF ELEVATION IS DIV. OF HIGHWAYS MONUMENT NO. 18 SHOWN ON SHEET A IN THE GENERAL VICINITY OF N 1600 AND E 4600, EL. 433.45 (USC&GS 1929)
- ALL NEW FENCING SHALL BE CHAIN LINK FENCING UNLESS NOTED OTHERWISE ON SITE DEVELOPMENT PLANS.
- DIMENSIONS TO BUILDINGS ARE TYP. TO CENTERLINE OF COLUMN.

**ABBREVIATIONS**

R.C.P.	REINFORCED CONCRETE PIPE	R.W.L.	RAIN WATER LEADER
C.M.P.	CORRUGATED METAL PIPE	C.I.	CAST IRON PIPE
P.C.C.P.	PERFORATED CORRUGATED METAL PIPE	STR.D.	STRUCTURE DRAIN
H.P.	HIGH POINT	V.C.P.	VITRIFIED CLAY PIPE
T.C.	TOP OF CURB	C.O.	CLEAN OUT (SEE SH DP7 FOR DETAILS)
T.P.	TOP OF PAVING		
T.W.	TOP OF WALL		
S.L.	SCORE LINE		
C.B.	CATCH BASIN		
EXIST.	EXISTING		
6"R	6" HIGH RISER		
14" T	14" WIDE TREAD		
2'R	2 FT. RADIUS		
2'6" R	2 FT. 6 IN. RADIUS		
T.S.	TOP SOIL		
C.P.	NON-REINFORCED CONCRETE PIPE		
C.P. O.J.	OO. WITH OPEN JOINTS		

**SHEET SCHEDULE**

**SITE DEVELOPMENT SHEET**

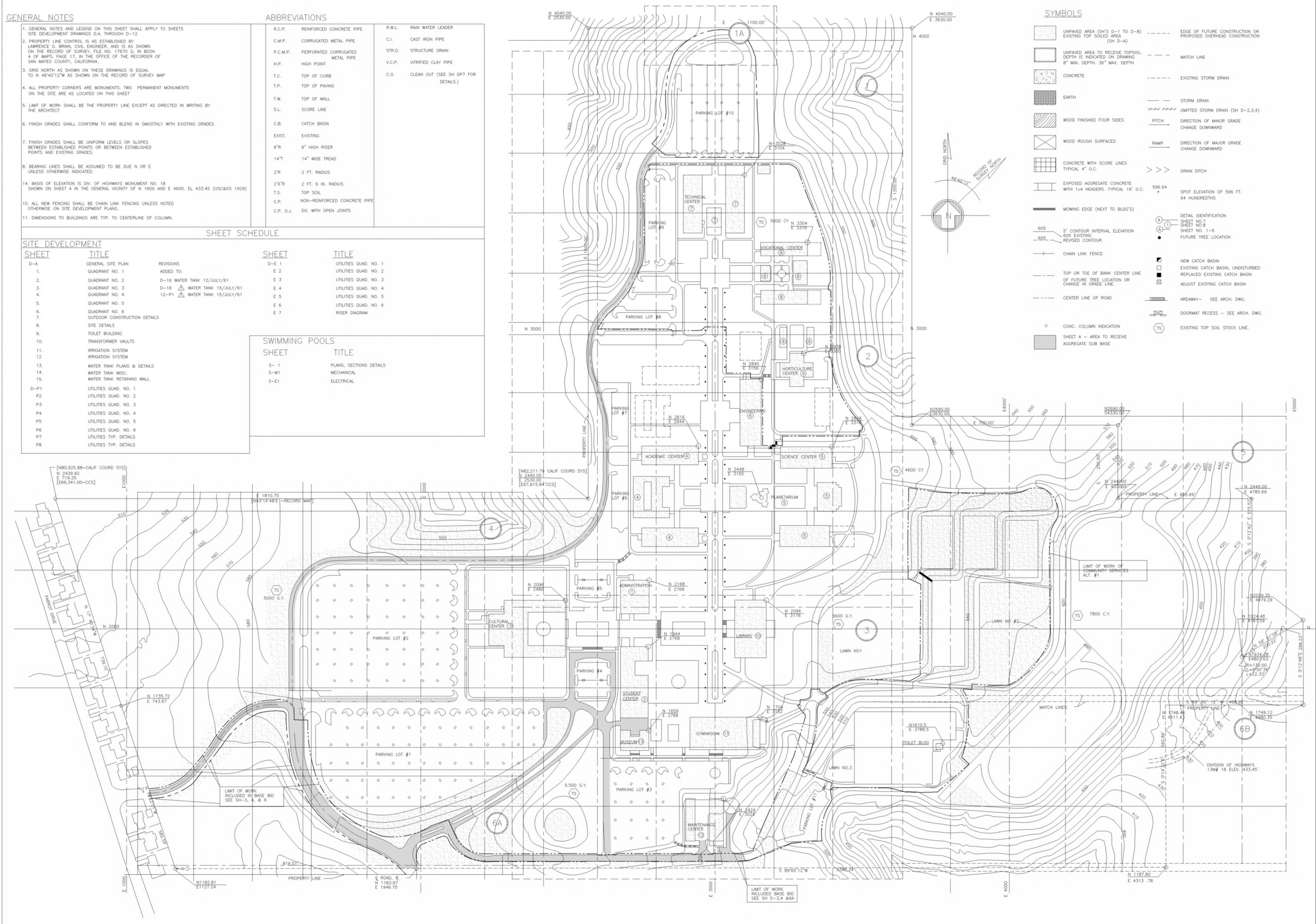
SHEET	TITLE	REVISIONS
D-A	GENERAL SITE PLAN	
1.	QUADRANT NO. 1	ADDED TO:
2.	QUADRANT NO. 2	D-16 WATER TANK 12/JULY/61
3.	QUADRANT NO. 3	D-16 WATER TANK 15/JULY/61
4.	QUADRANT NO. 4	12-P1 WATER TANK 15/JULY/61
5.	QUADRANT NO. 5	
6.	QUADRANT NO. 6	
7.	OUTDOOR CONSTRUCTION DETAILS	
8.	SITE DETAILS	
9.	TOILET BUILDING	
10.	TRANSFORMER VAULTS	
11.	IRRIGATION SYSTEM	
12.	IRRIGATION SYSTEM	
13.	WATER TANK PLANS & DETAILS	
14.	WATER TANK MISC.	
15.	WATER TANK RETAINING WALL	
D-P1	UTILITIES QUAD. NO. 1	
P2	UTILITIES QUAD. NO. 2	
P3	UTILITIES QUAD. NO. 3	
P4	UTILITIES QUAD. NO. 4	
P5	UTILITIES QUAD. NO. 5	
P6	UTILITIES QUAD. NO. 6	
P7	UTILITIES TYP. DETAILS	
P8	UTILITIES TYP. DETAILS	

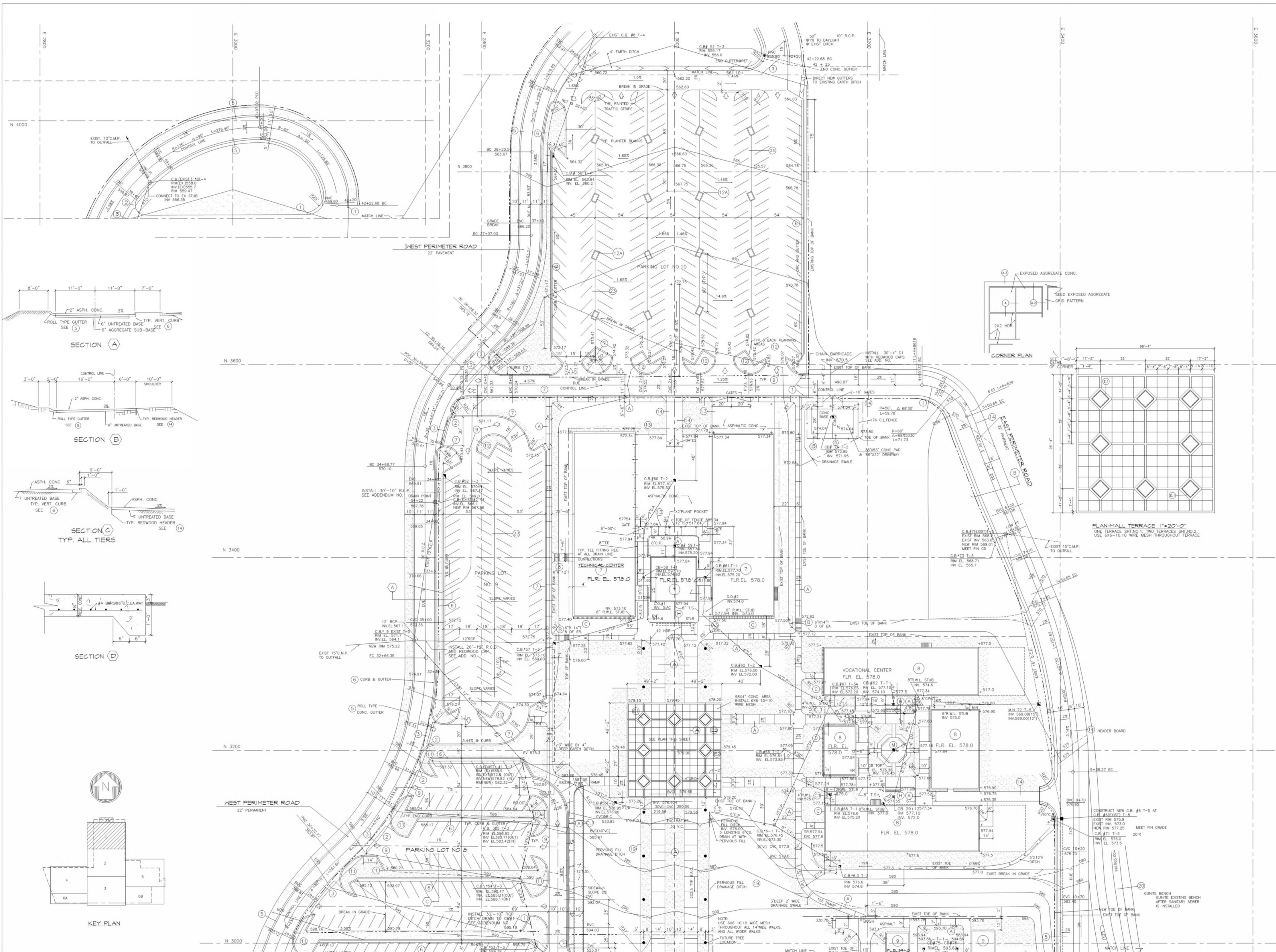
**SWIMMING POOLS SHEET**

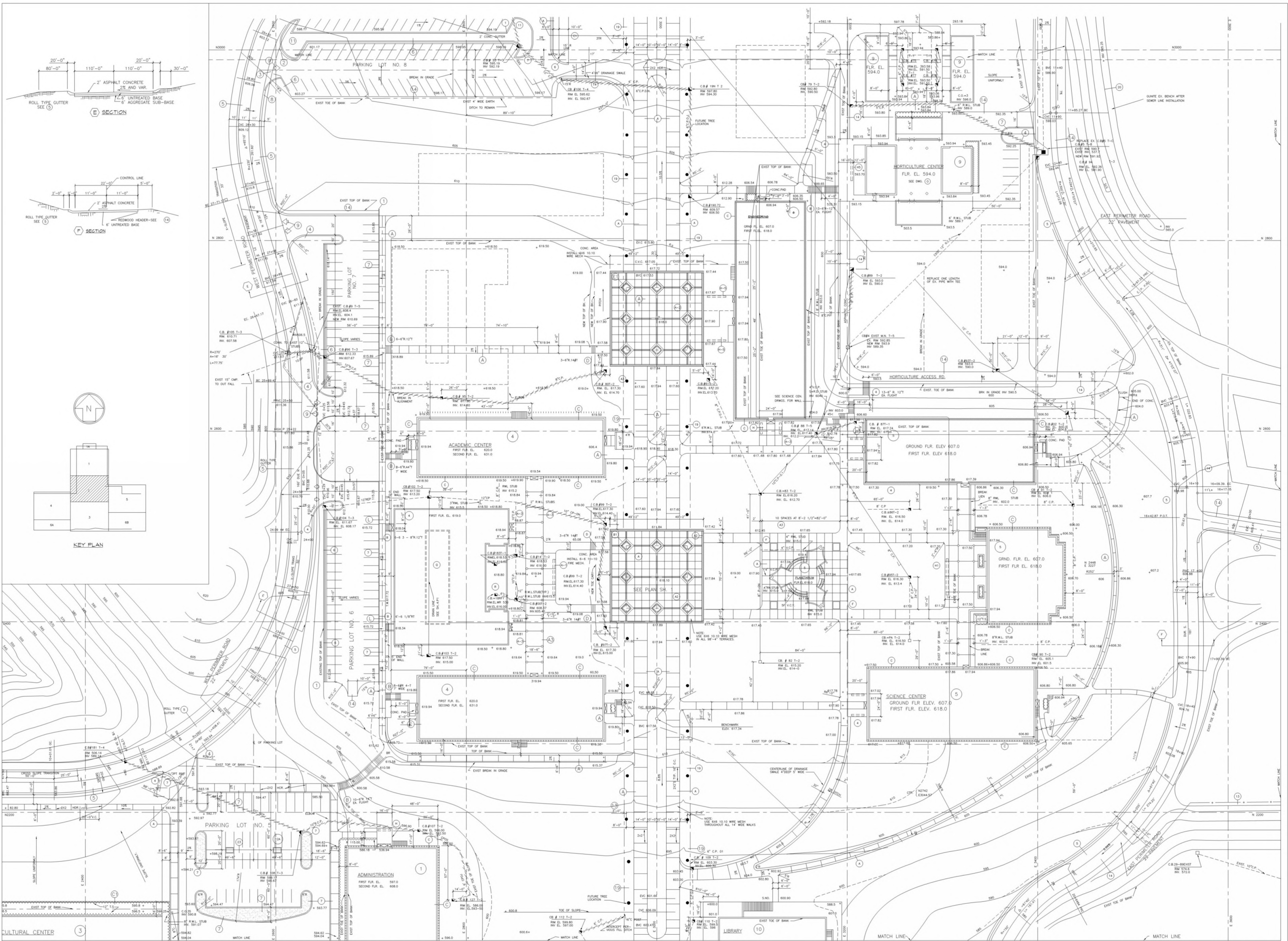
SHEET	TITLE
S-1	PLANS, SECTIONS DETAILS
S-M1	MECHANICAL
S-E1	ELECTRICAL

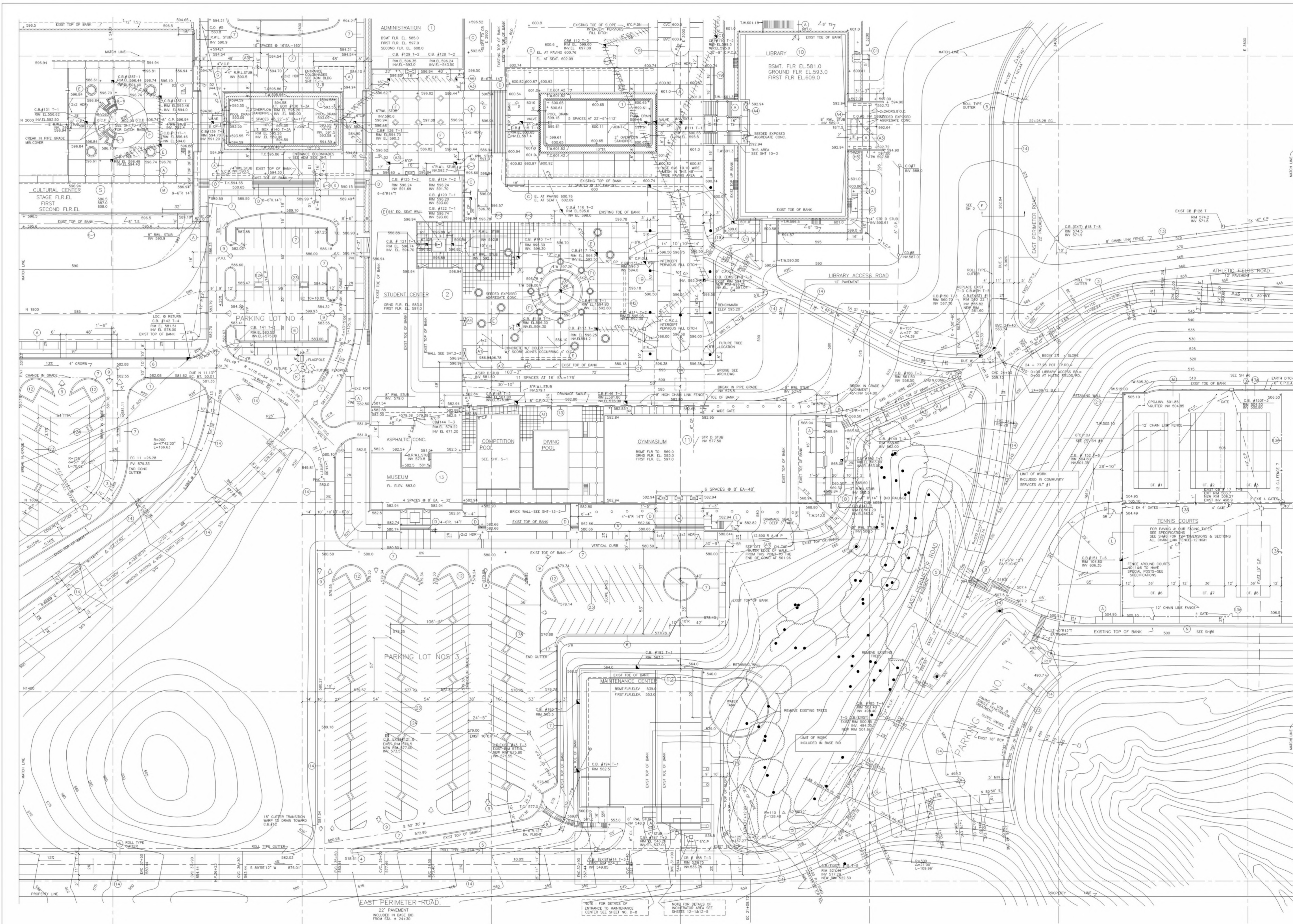
**SYMBOLS**

[Symbol]	UNPAVED AREA (SH'S D-1 TO D-8) EXISTING TOP SOILED AREA (SH D-A)	[Symbol]	EDGE OF FUTURE CONSTRUCTION OR PROPOSED OVERHEAD CONSTRUCTION
[Symbol]	UNPAVED AREA TO RECEIVE TOPSOIL DEPTH IS INDICATED ON DRAWING 8" MIN. DEPTH, 36" MAX. DEPTH	[Symbol]	MATCH LINE
[Symbol]	CONCRETE	[Symbol]	EXISTING STORM DRAIN
[Symbol]	EARTH	[Symbol]	STORM DRAIN
[Symbol]	WOOD FINISHED FOUR SIDES	[Symbol]	OMITTED STORM DRAIN (SH D-2,3,4)
[Symbol]	WOOD ROUGH SURFACED	[Symbol]	PITCH
[Symbol]	CONCRETE WITH SCORE LINES TYPICAL 4" O.C.	[Symbol]	DIRECTION OF MINOR GRADE CHANGE DOWNWARD
[Symbol]	EXPOSED AGGREGATE CONCRETE WITH 1/4 HEADERS TYPICAL 16" O.C.	[Symbol]	RAMP
[Symbol]	MOWING EDGE (NEXT TO BLDG'S)	[Symbol]	DIRECTION OF MAJOR GRADE CHANGE DOWNWARD
[Symbol]	5' CONTOUR INTERVAL ELEVATION	[Symbol]	DRAIN DITCH
[Symbol]	60S EXISTING	[Symbol]	SPOT ELEVATION OF 596 FT. 94 HUNDRETHS
[Symbol]	REVISED CONTOUR	[Symbol]	DETAIL IDENTIFICATION
[Symbol]	CHAIN LINK FENCE	[Symbol]	SHEET NO. 7
[Symbol]	TOP OR TOE OF BANK CENTER LINE OF FUTURE TREE LOCATION OR CHANGE IN GRADE LINE	[Symbol]	SHEET NO. 1-6
[Symbol]	CENTER LINE OF ROAD	[Symbol]	REVISED CONTOUR
[Symbol]	CONC. COLUMN INDICATION	[Symbol]	FUTURE TREE LOCATION
[Symbol]	SHEET A - AREA TO RECEIVE AGGREGATE SUB BASE	[Symbol]	
[Symbol]		[Symbol]	NEW CATCH BASIN
[Symbol]		[Symbol]	EXISTING CATCH BASIN, UNDISTURBED
[Symbol]		[Symbol]	REPLACED EXISTING CATCH BASIN
[Symbol]		[Symbol]	ADJUST EXISTING CATCH BASIN
[Symbol]		[Symbol]	AREAWAY - SEE ARCH. DWG.
[Symbol]		[Symbol]	DOORMAT RECESS - SEE ARCH. DWG.
[Symbol]		[Symbol]	EXISTING TOP SOIL STOCK LINE









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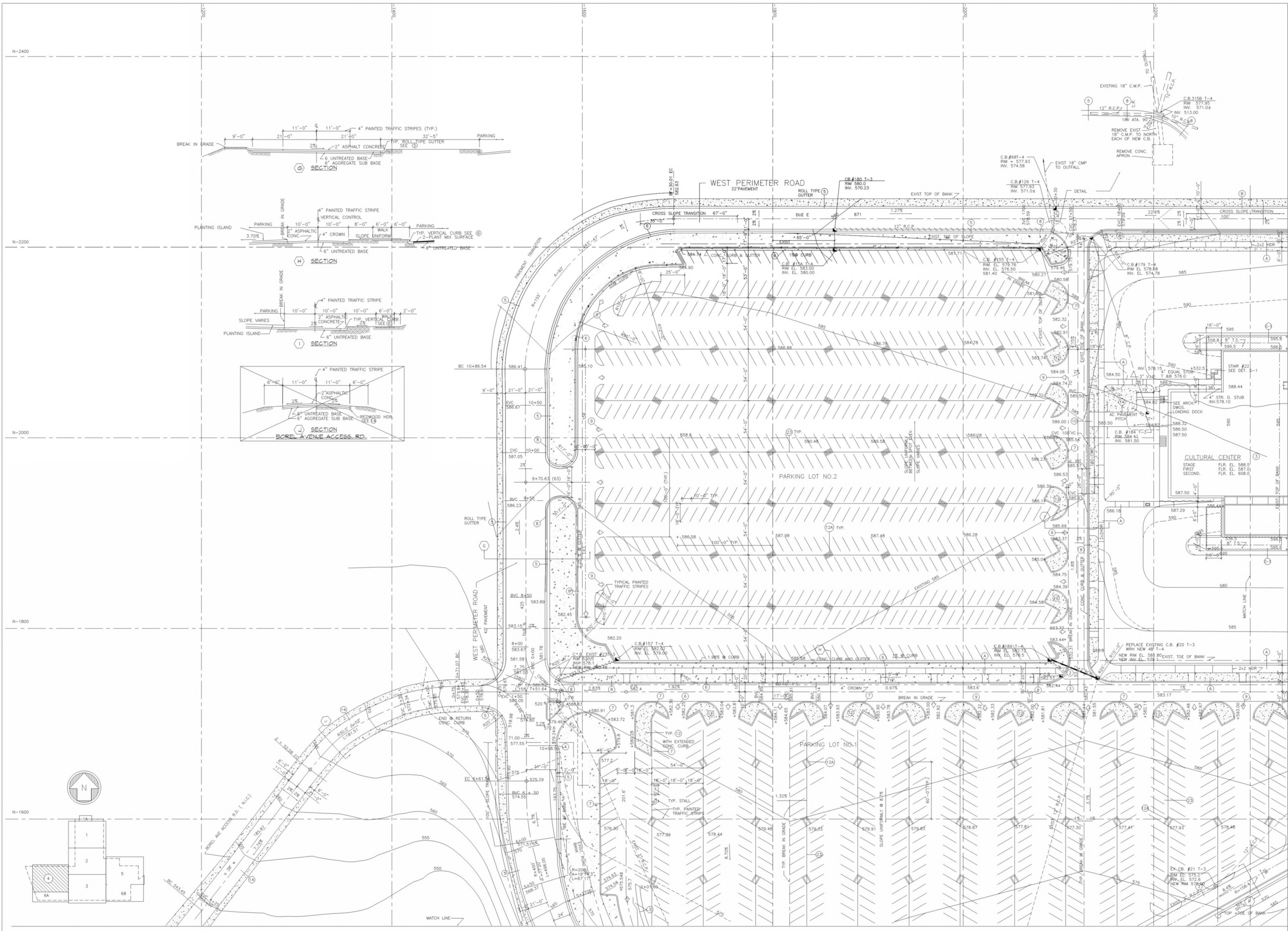
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COLLEGE HEIGHTS CAMPUS  
SAN MATEO, CALIF.

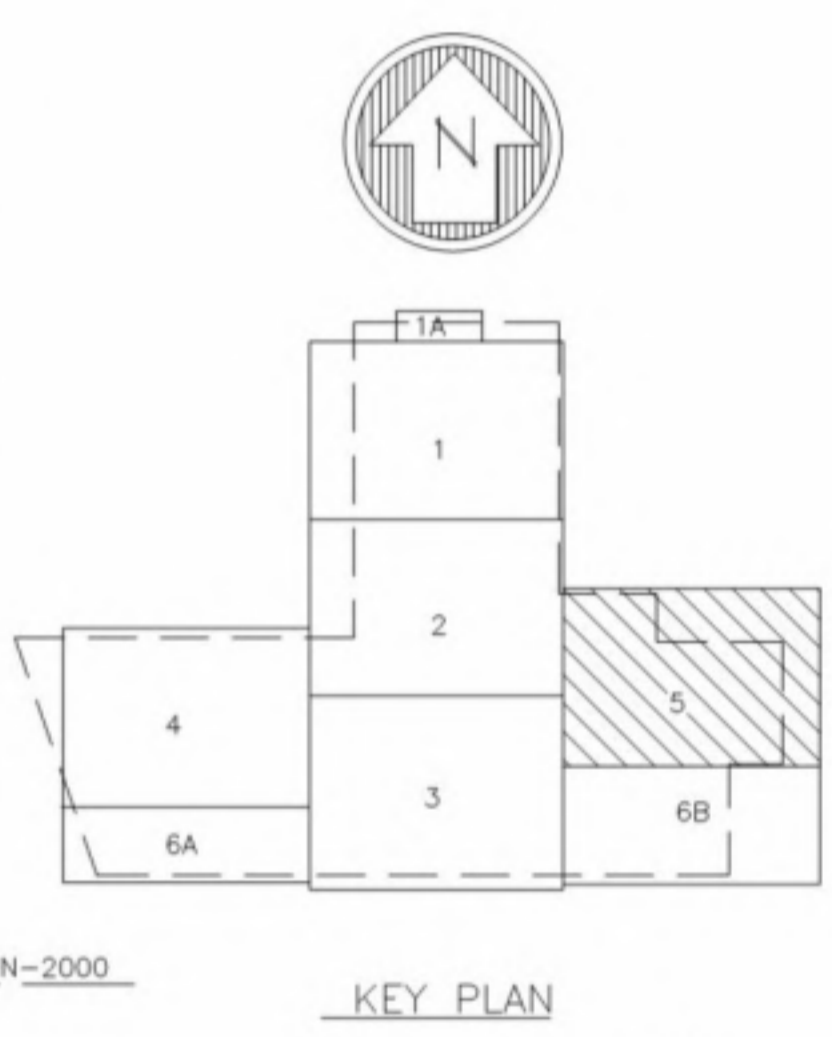
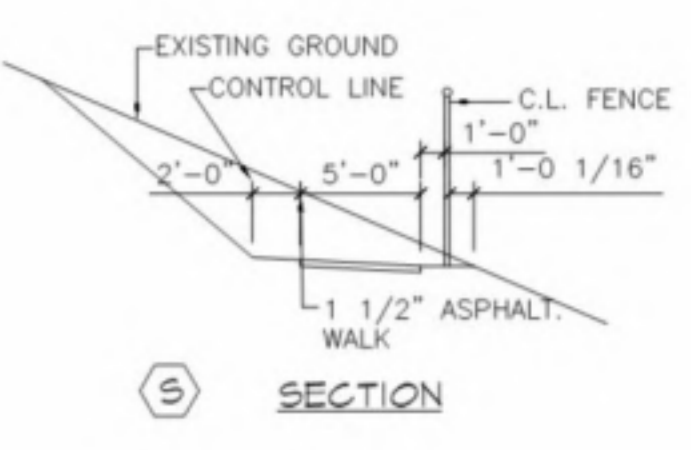
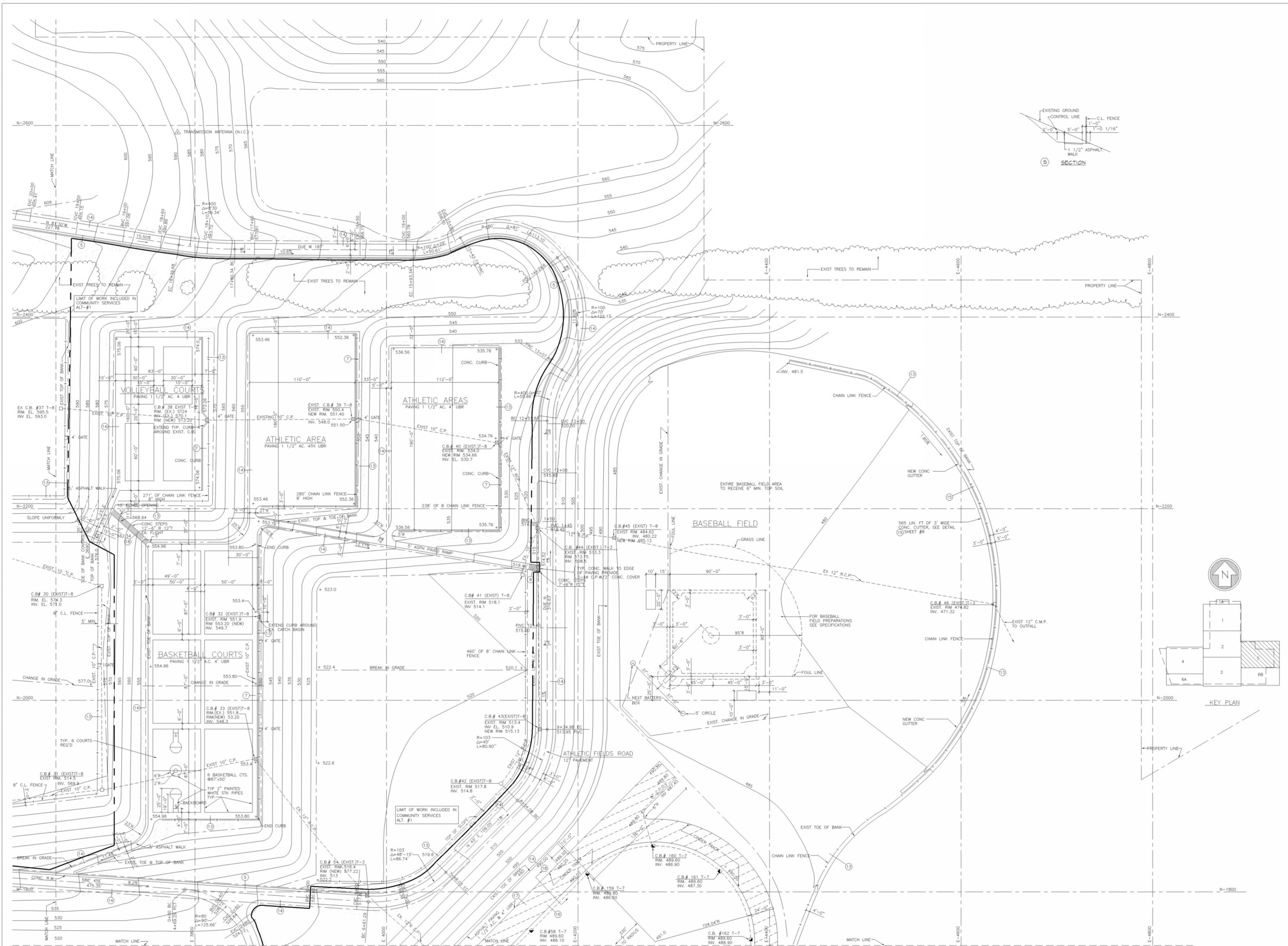
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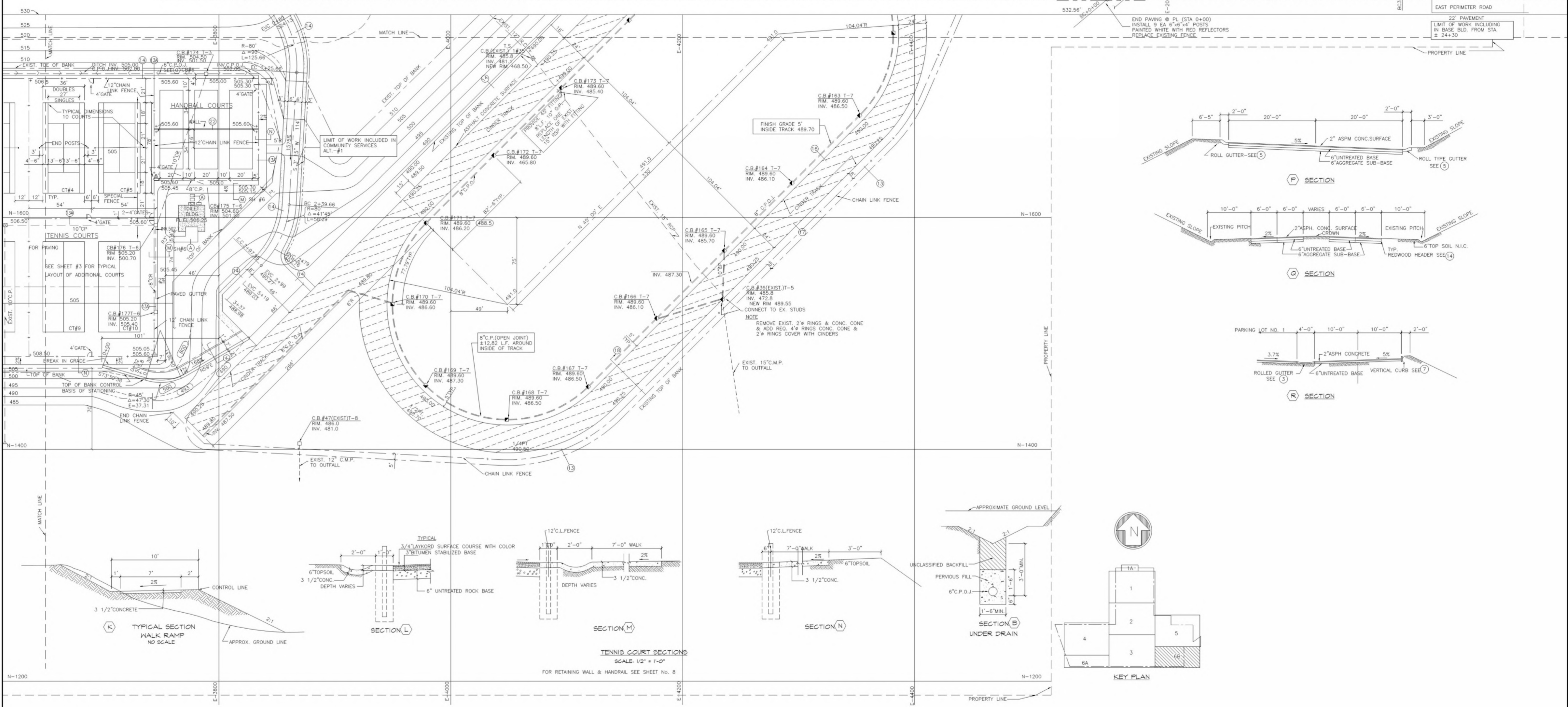
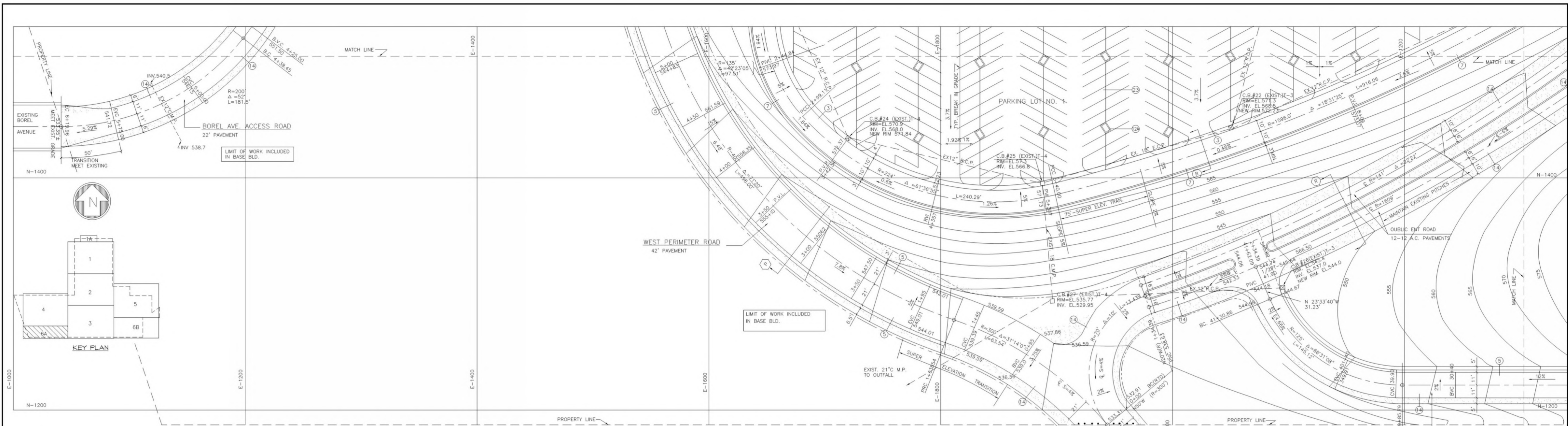
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CHECKED BY C.E.K.

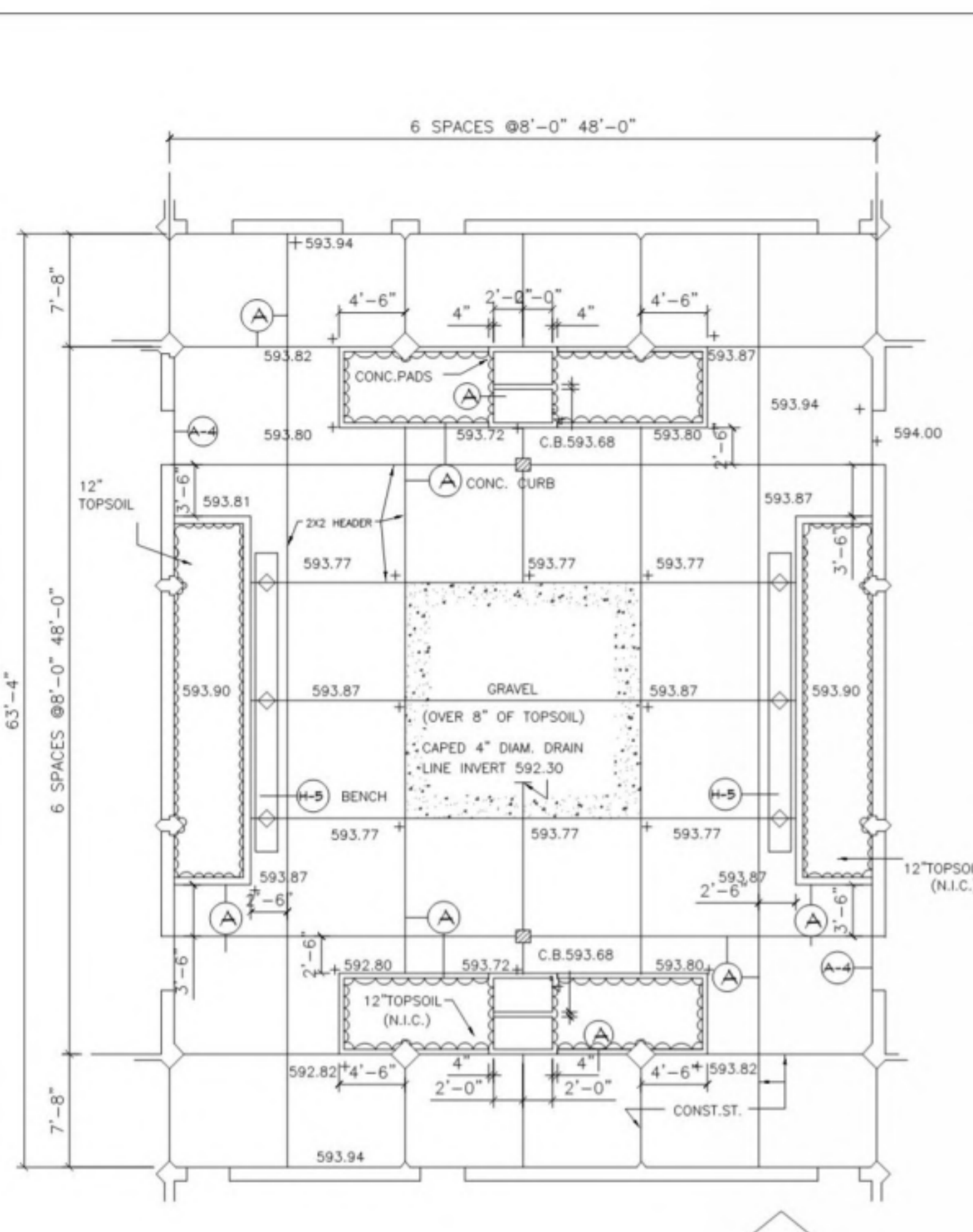
SITE DEVELOPMENT  
QUAD No. 3 1"=30'-0"

BLDG. NO. SHEET NO.  
**D 3**

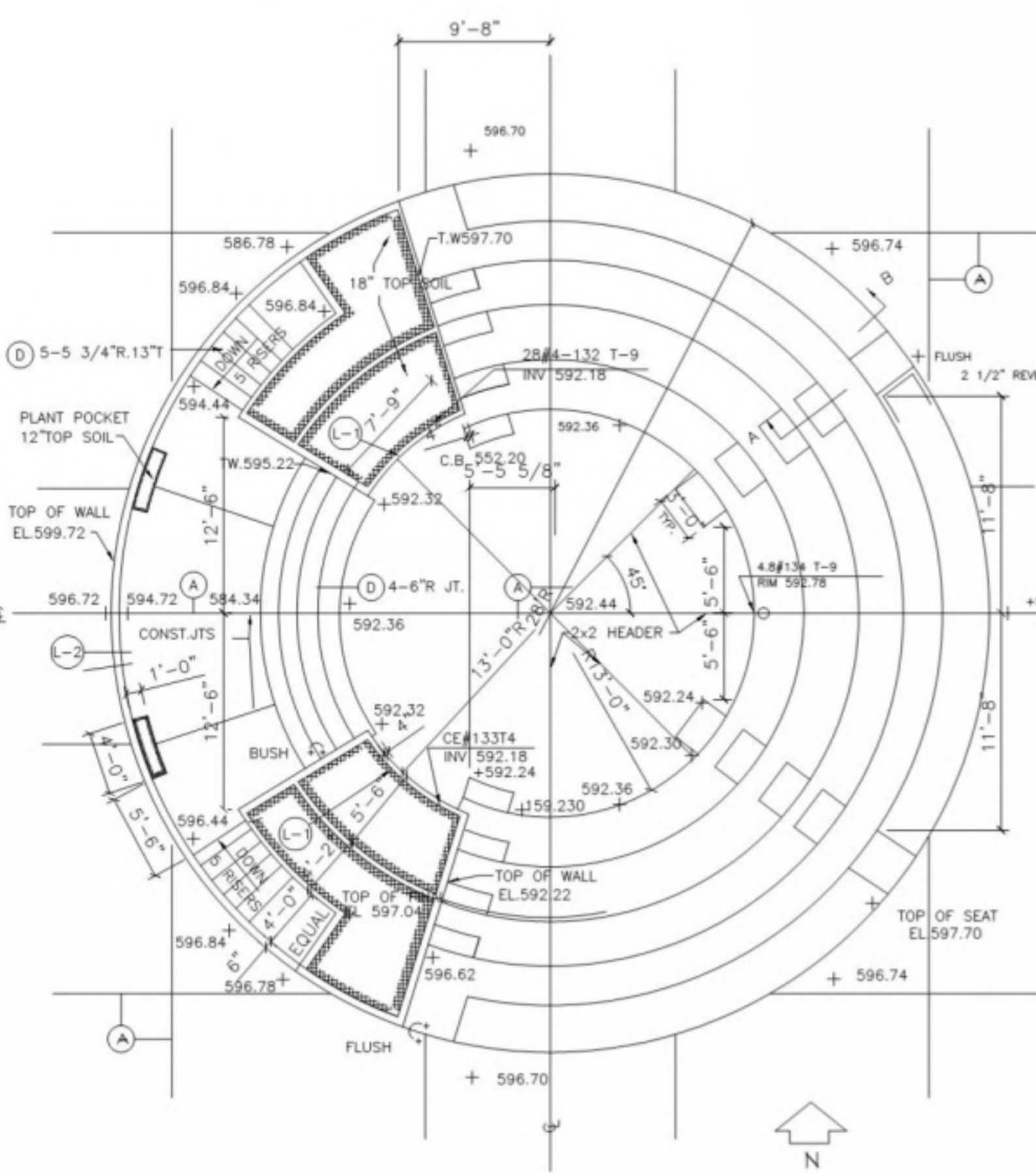




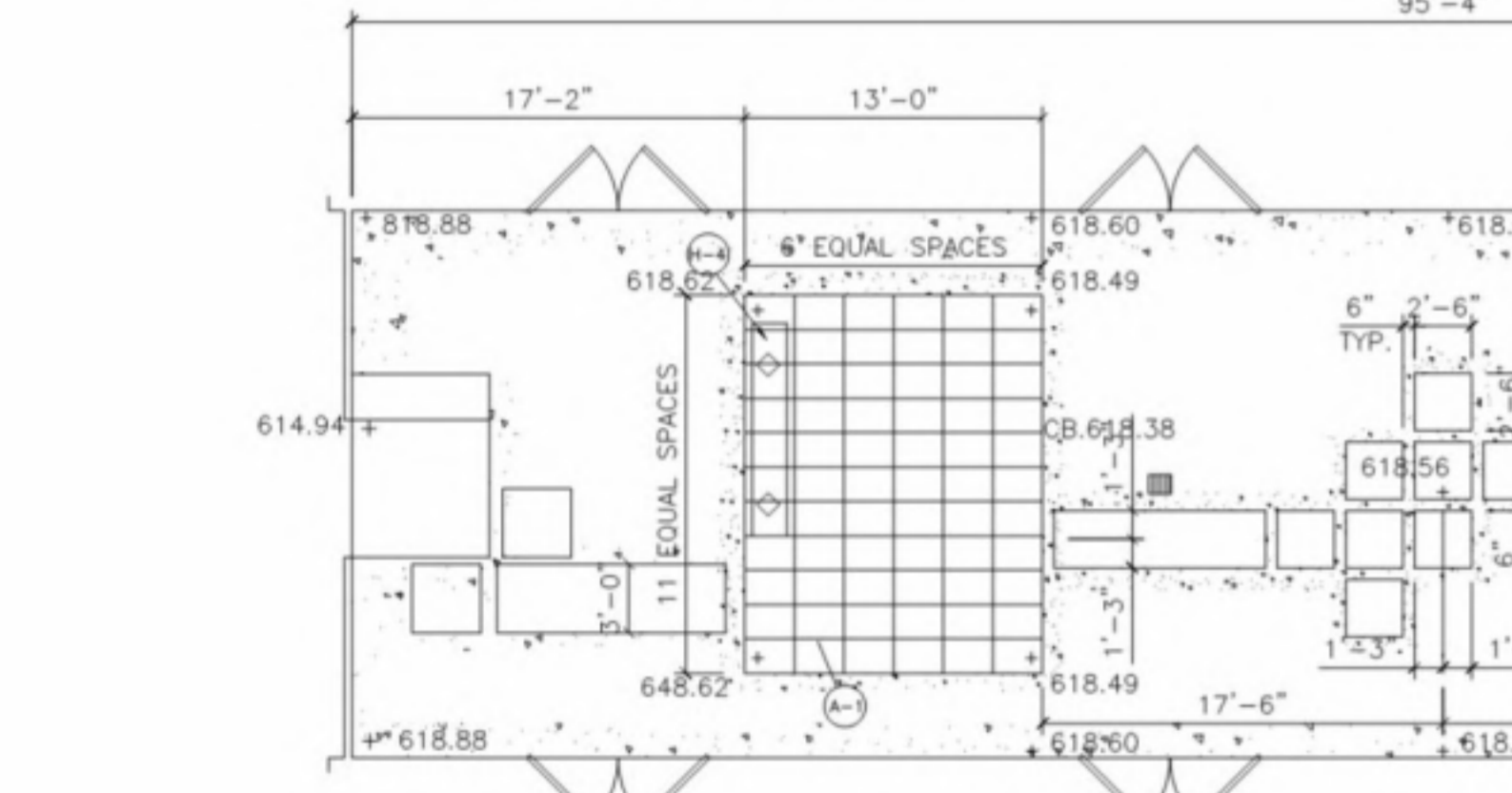




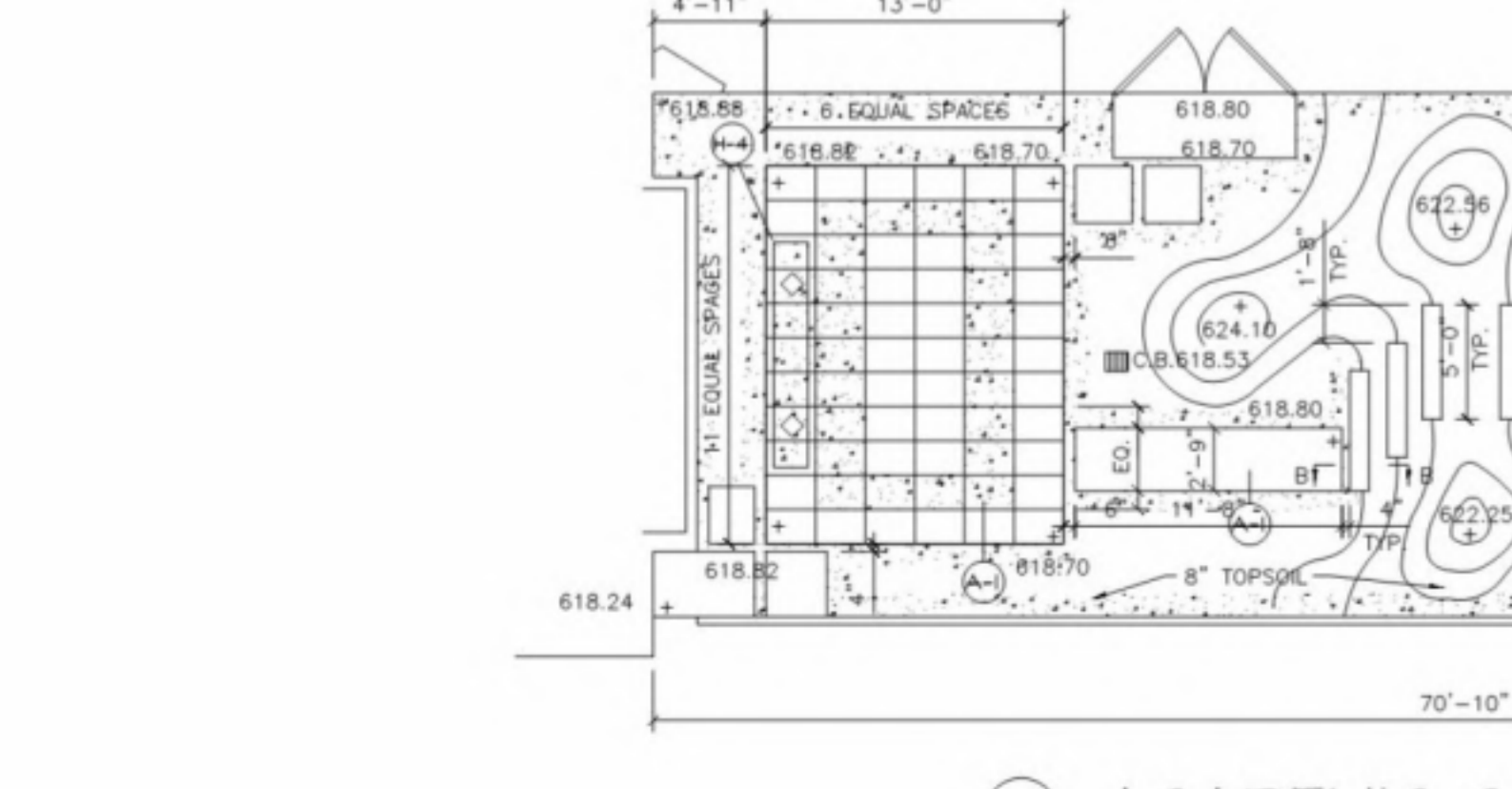
**HORTICULTURE COURT**  
 ALL CONC. IN COURT SHALL BE SEED EXPOSED AGGREGATE  
 1/8"=1'-0"



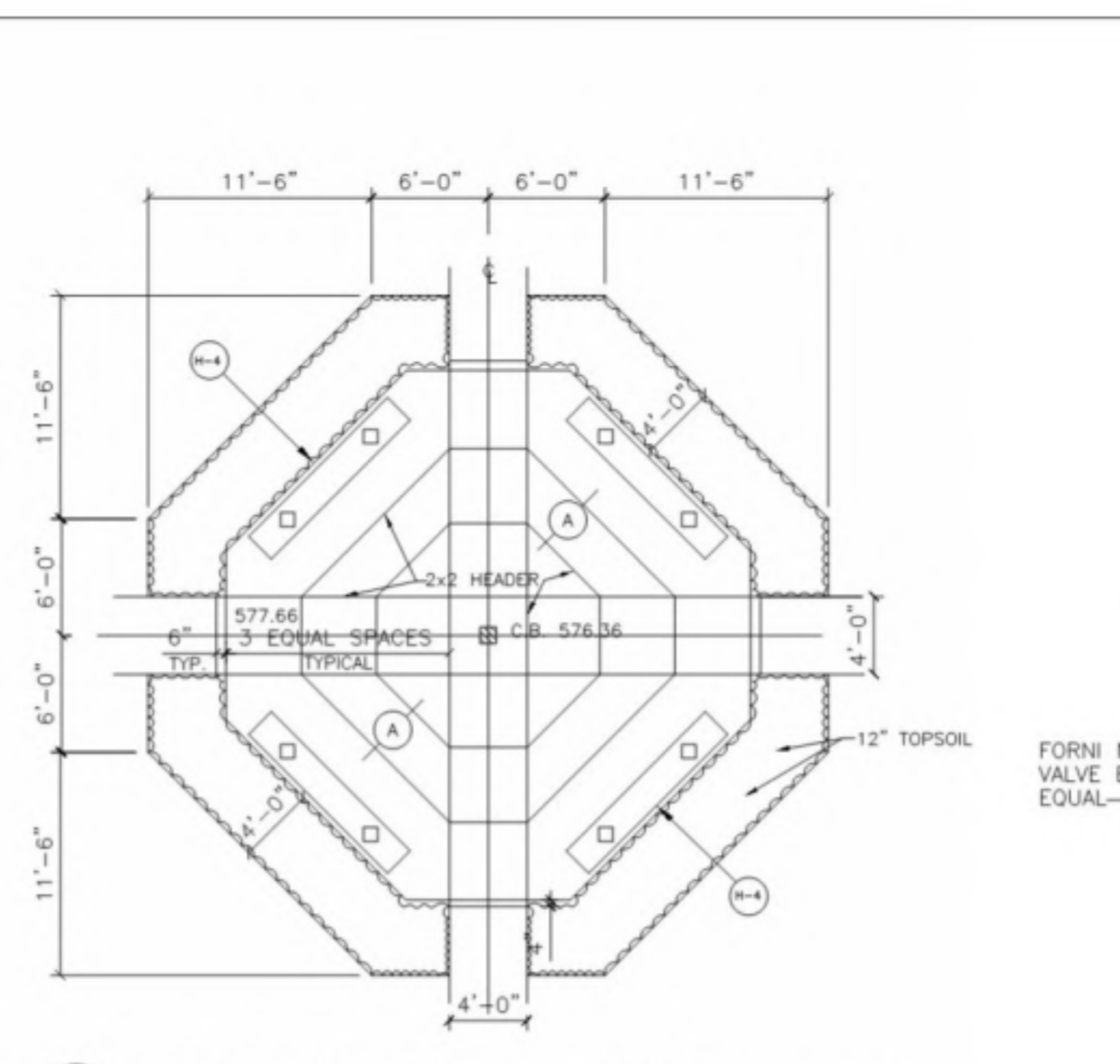
**THEATER IN THE ROUND**  
 SEATS & SEAT WALLS SHALL BE BROOM FINISHED  
 CONC. ALL OTHER HORIZONTAL CONC. SURFACES SHALL BE SEED EXP. AGGREGATE  
 1/8"=1'-0"



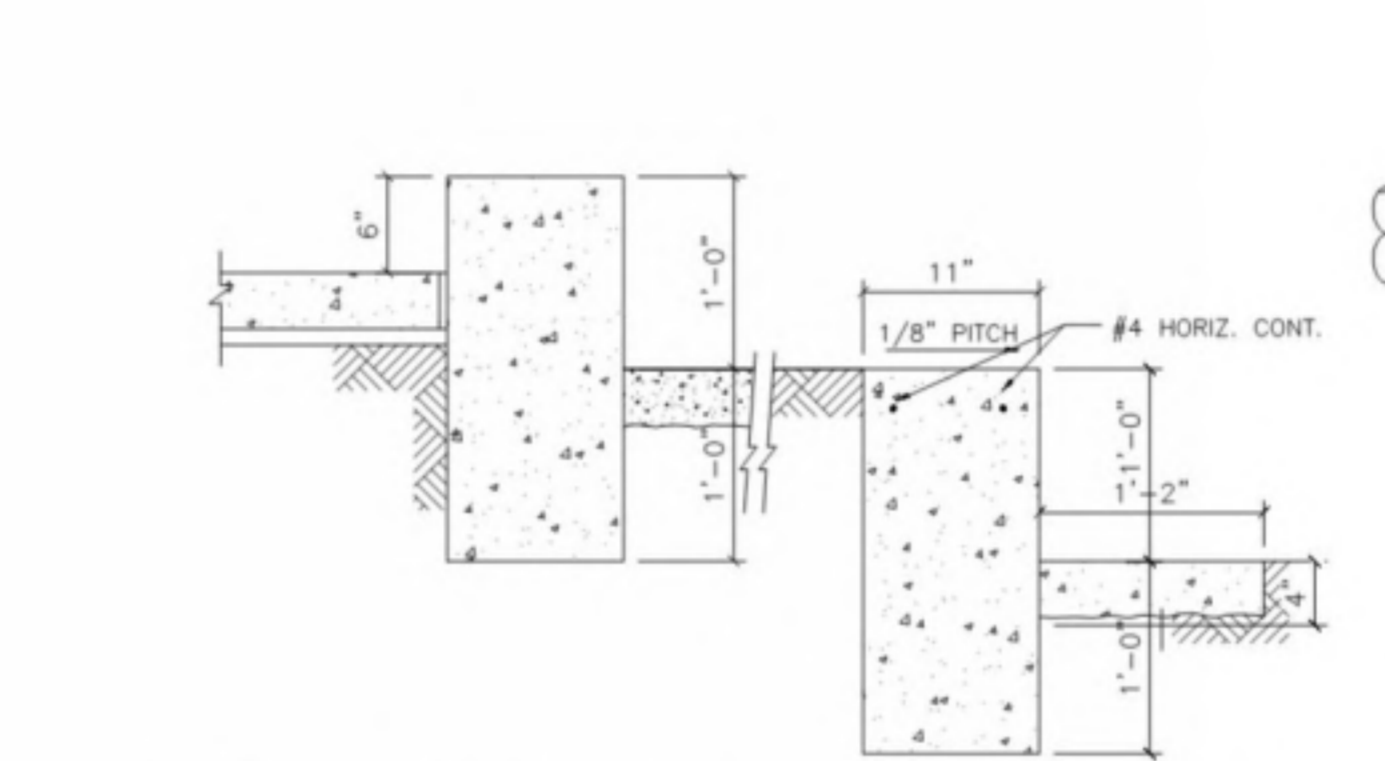
**ACADEMIC COURT NO. 1**  
 ALL CONC. IN COURT SHALL BE COLORED  
 1/8"=1'-0"



**ACADEMIC COURT NO. 2**  
 ALL CONC. IN COURT SHALL BE COLORED  
 1/8"=1'-0"



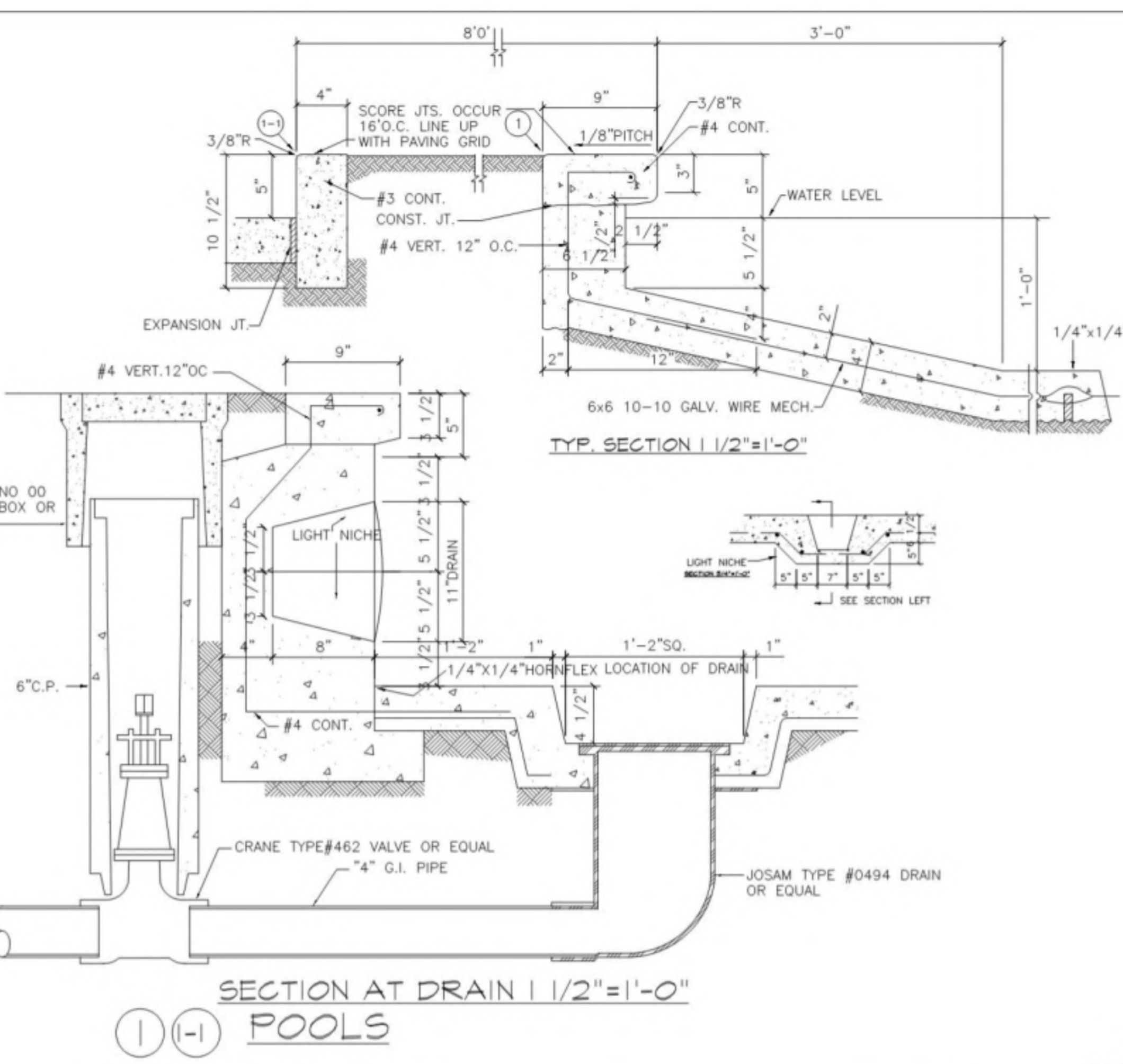
**VOCATIONAL COURT**  
 OCTAGON COURT SHALL BE SEED EXPOSED AGGREGATE CONC.  
 1/8"=1'-0"



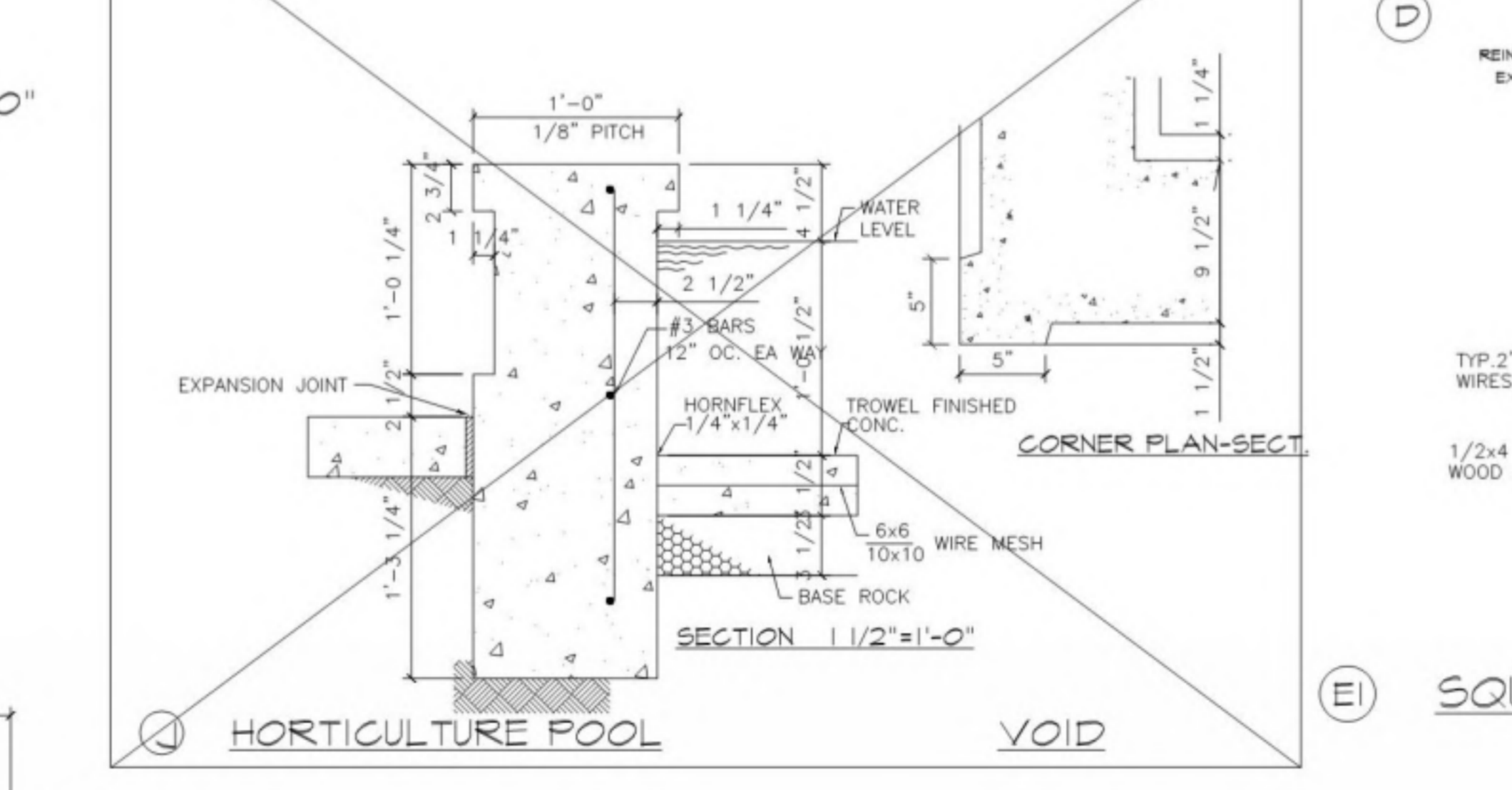
**SECTION B-B OF STEPS**  
 SEE ACADEMIC COURT NO. 2  
 1"=1'-0"



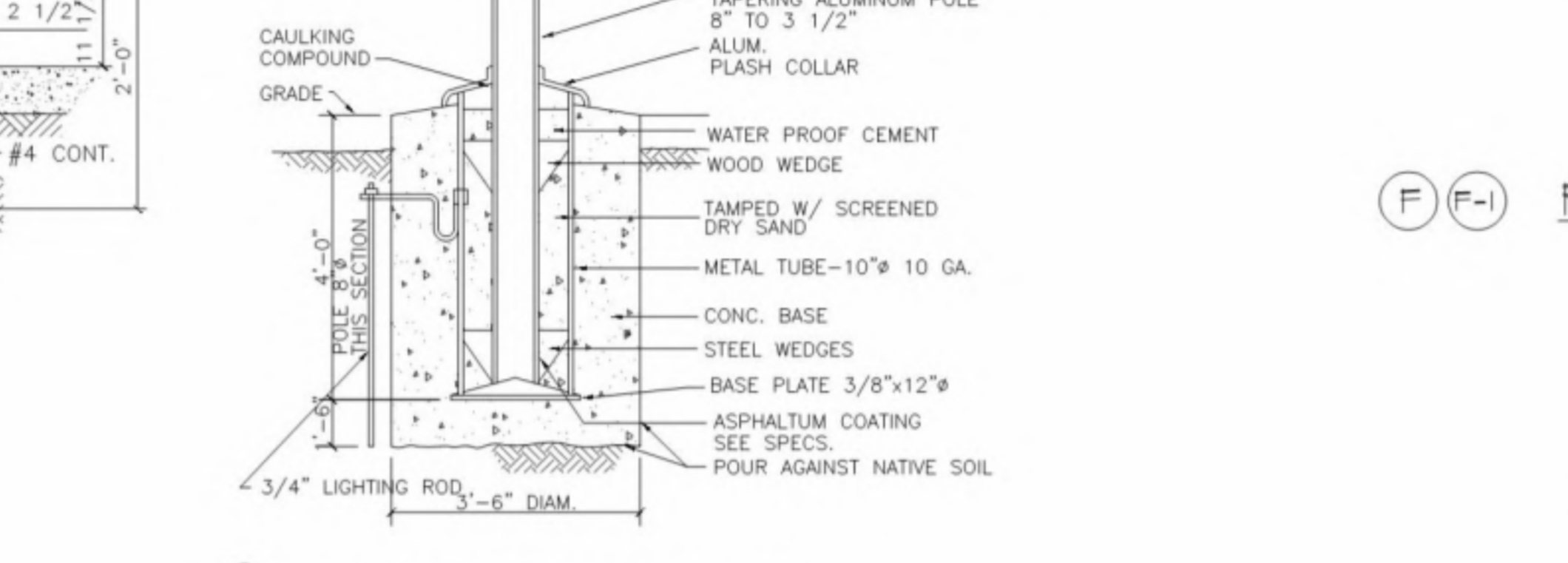
**SECTION A-A OF SEAT AND STEP**  
 1"=1'-0"



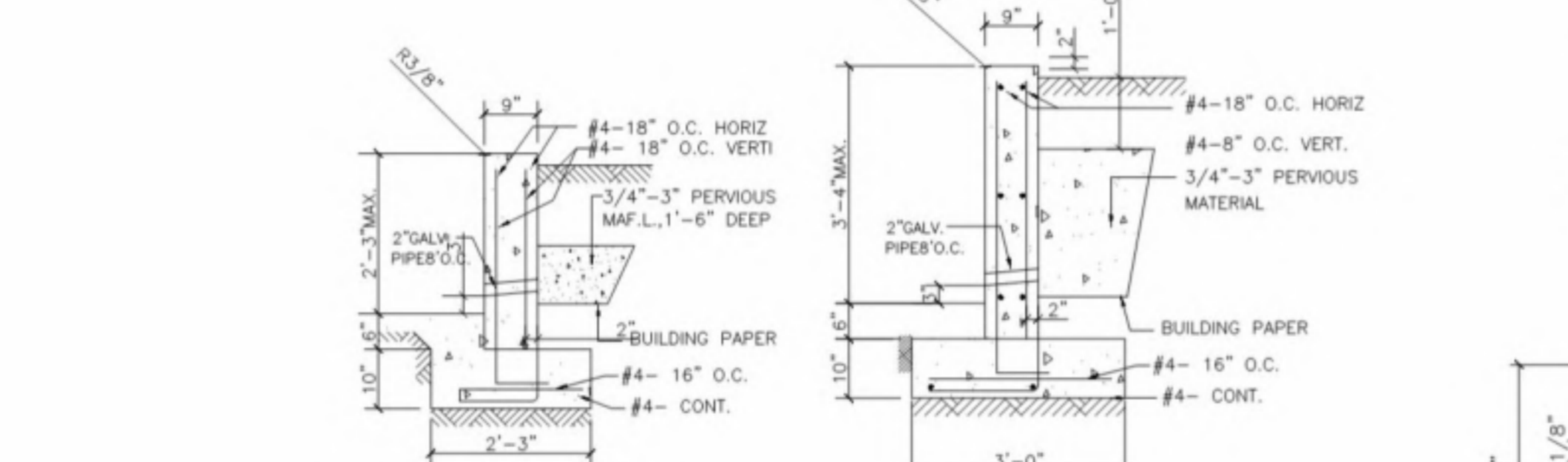
**SECTION AT DRAIN**  
 POOLS  
 1 1/2"=1'-0"



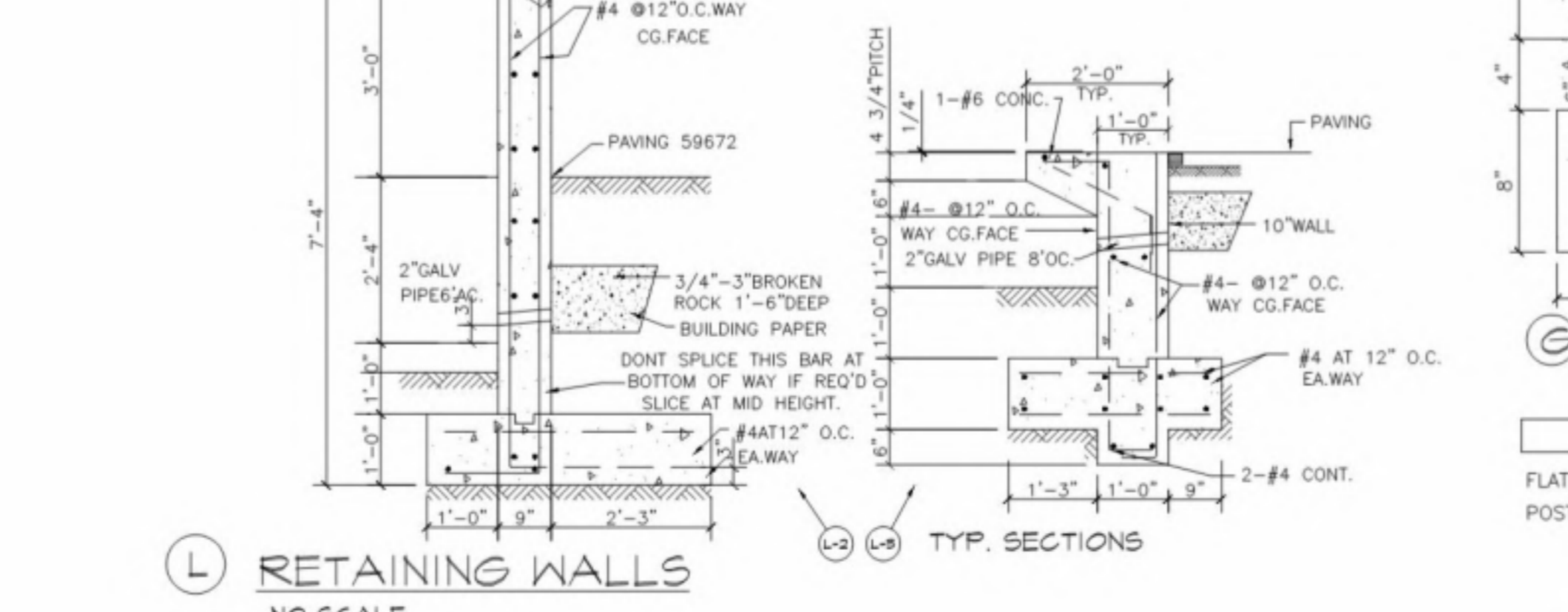
**HORTICULTURE POOL**  
 VOID  
 1 1/2"=1'-0"



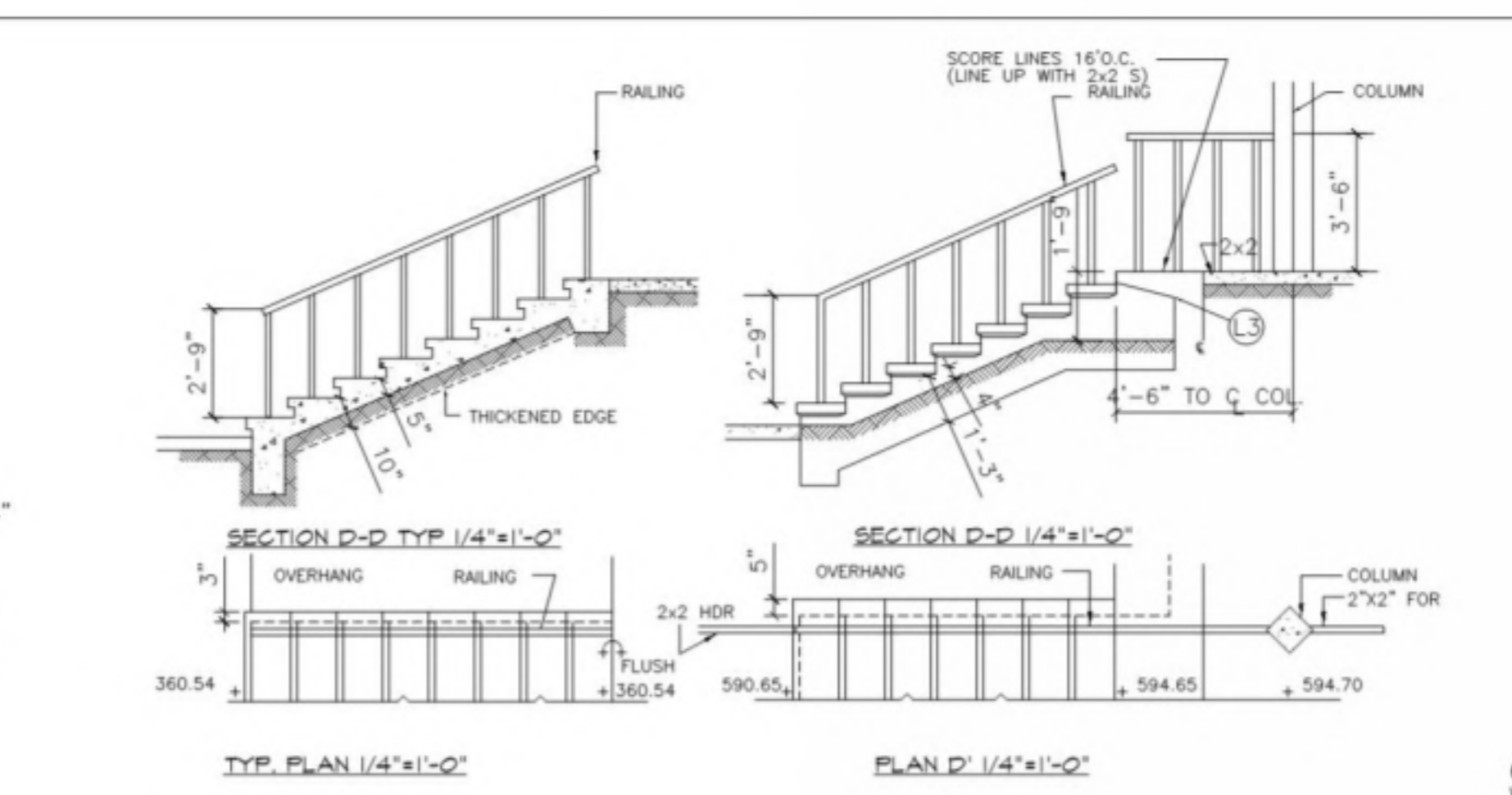
**FLAGPOLE SECTION**  
 NO SCALE



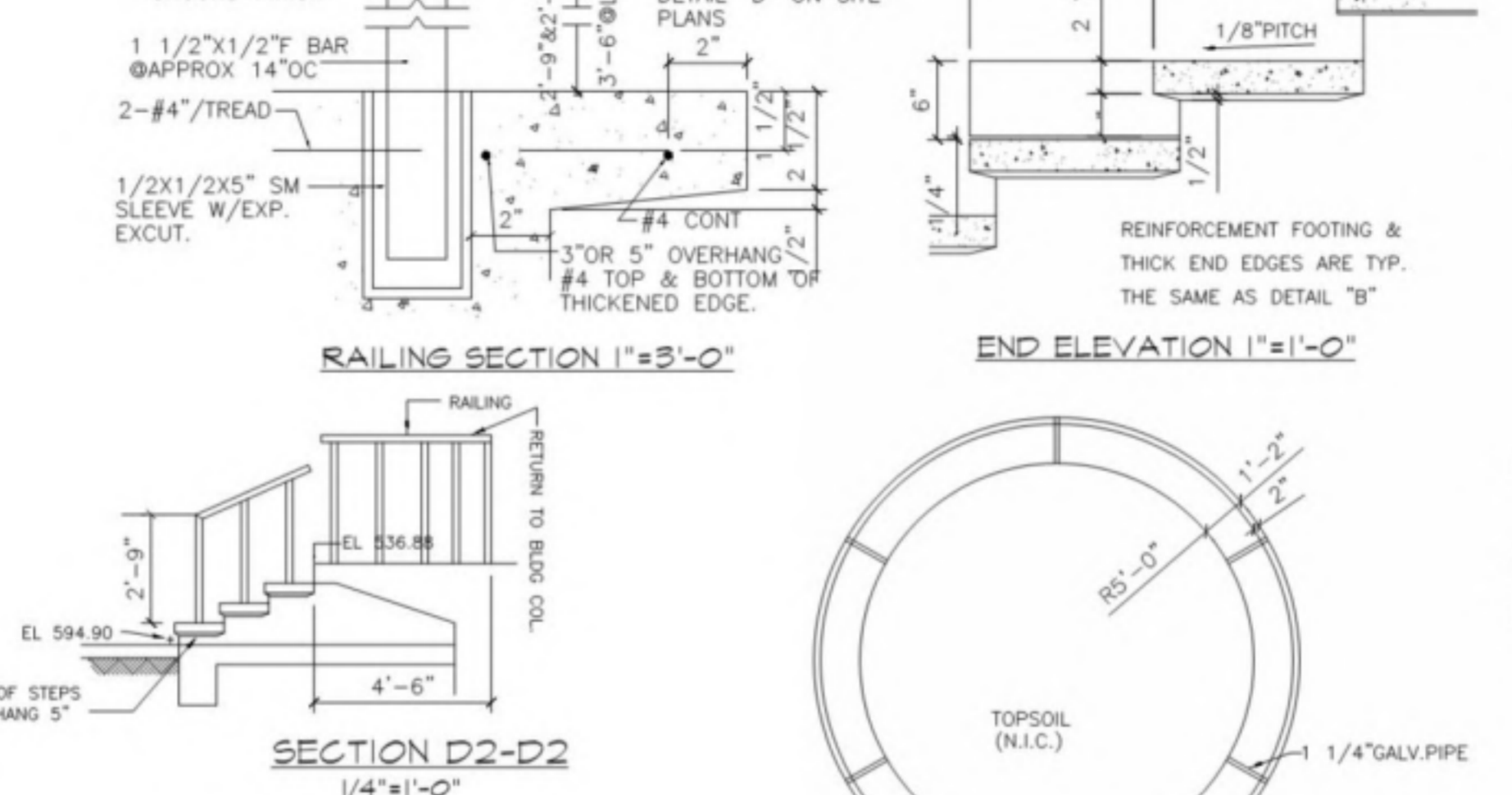
**RETAINING WALLS**  
 NO SCALE



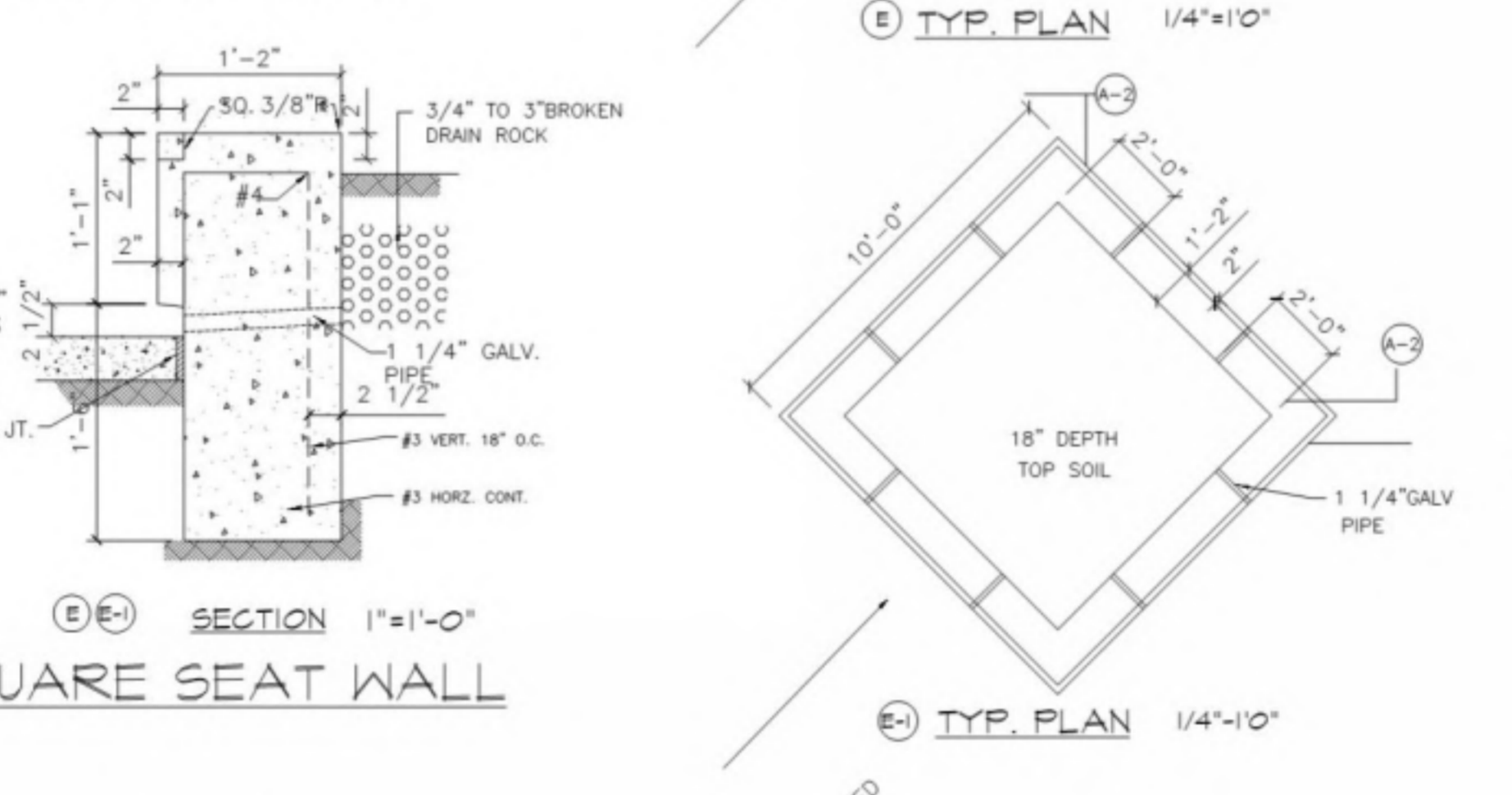
**RETAINING WALLS**  
 NO SCALE



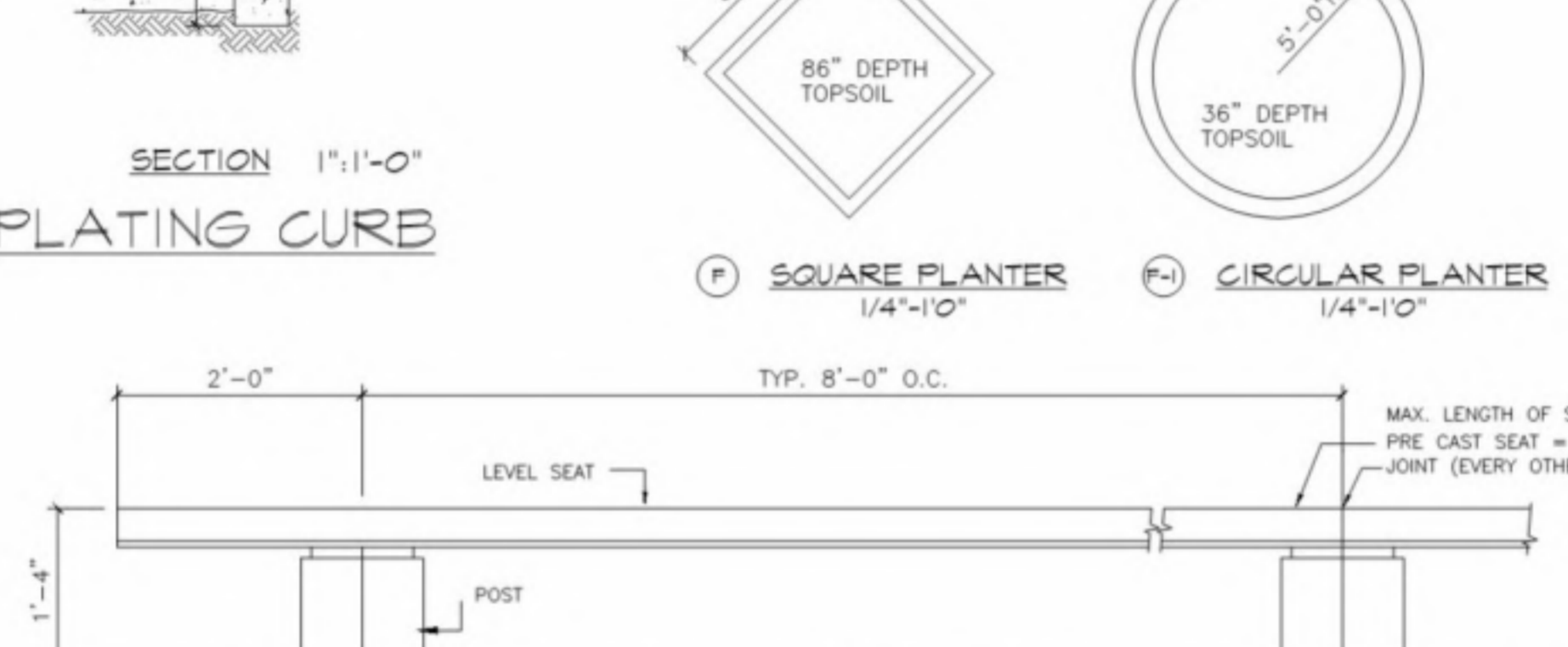
**STEPS WITH REVEAL**  
 REINFORCING FOOTING EDGES SAME AS DET. 'B' EXCEPT WHERE OTHERWISE INDICATED ABOVE.  
 1"=1'-0"



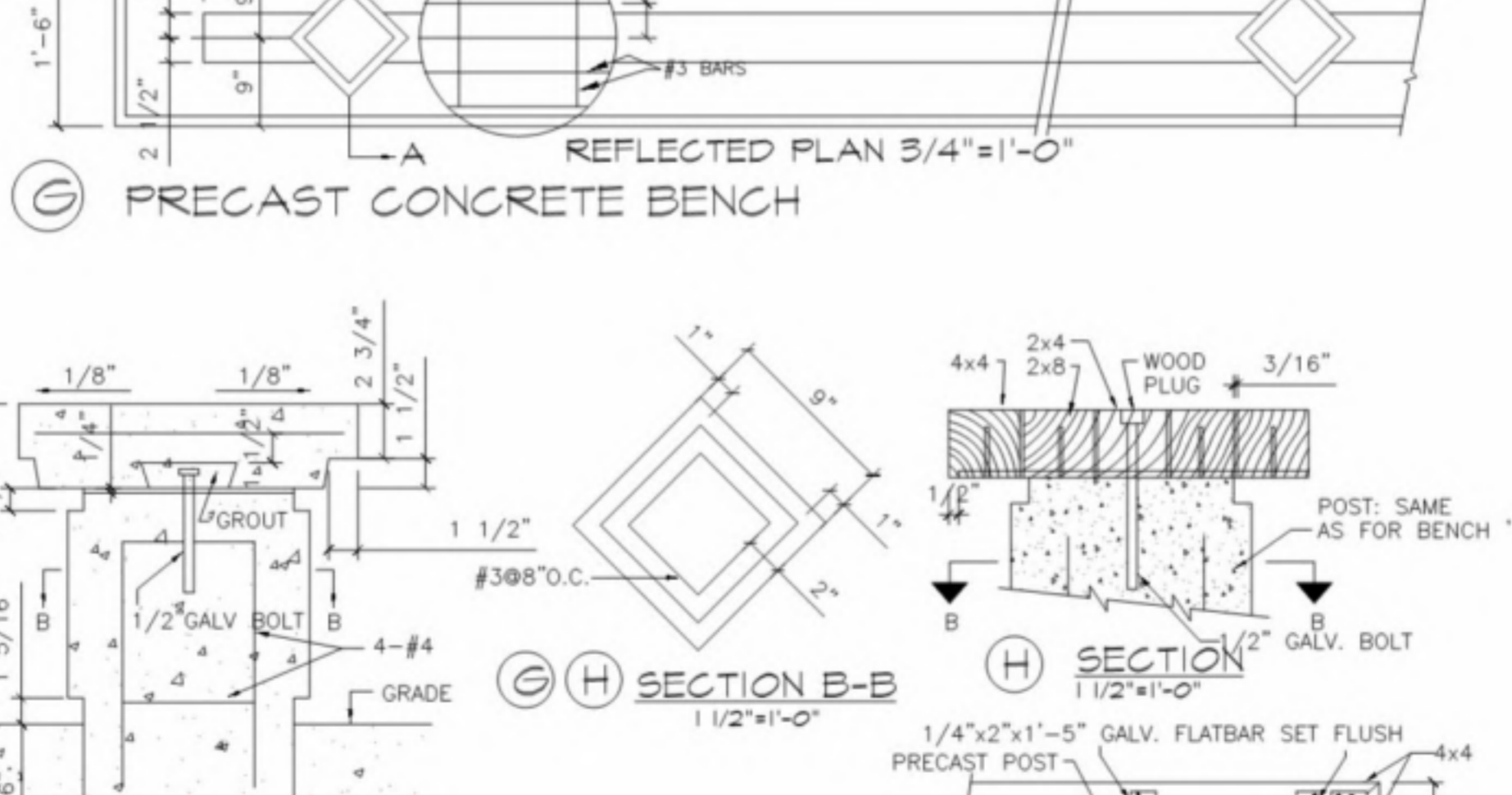
**SQUARE SEAT WALL**  
 1"=1'-0"



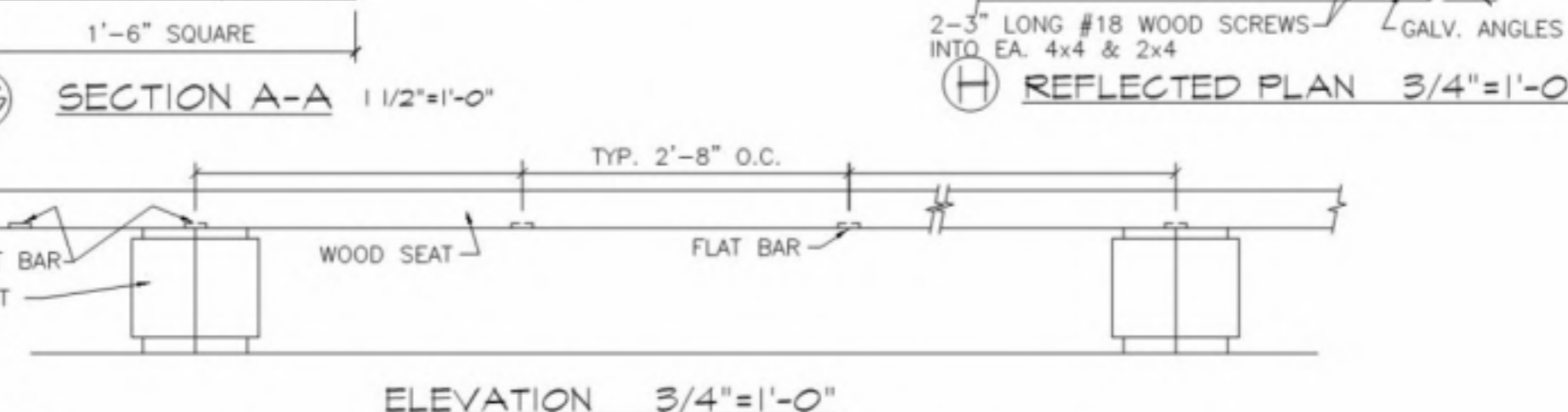
**PLATING CURB**  
 1"=1'-0"



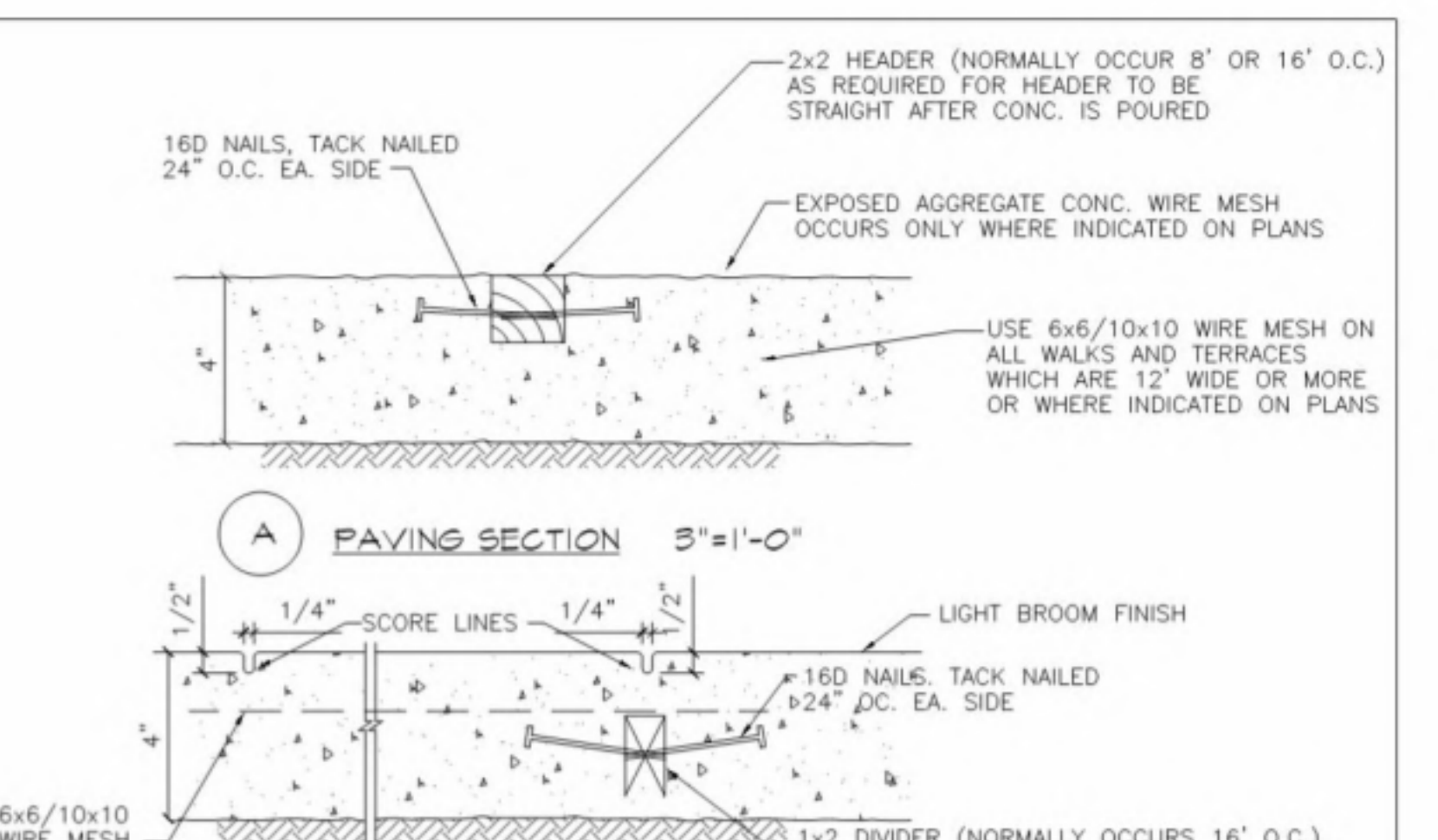
**PRECAST CONCRETE BENCH**  
 3/4"=1'-0"



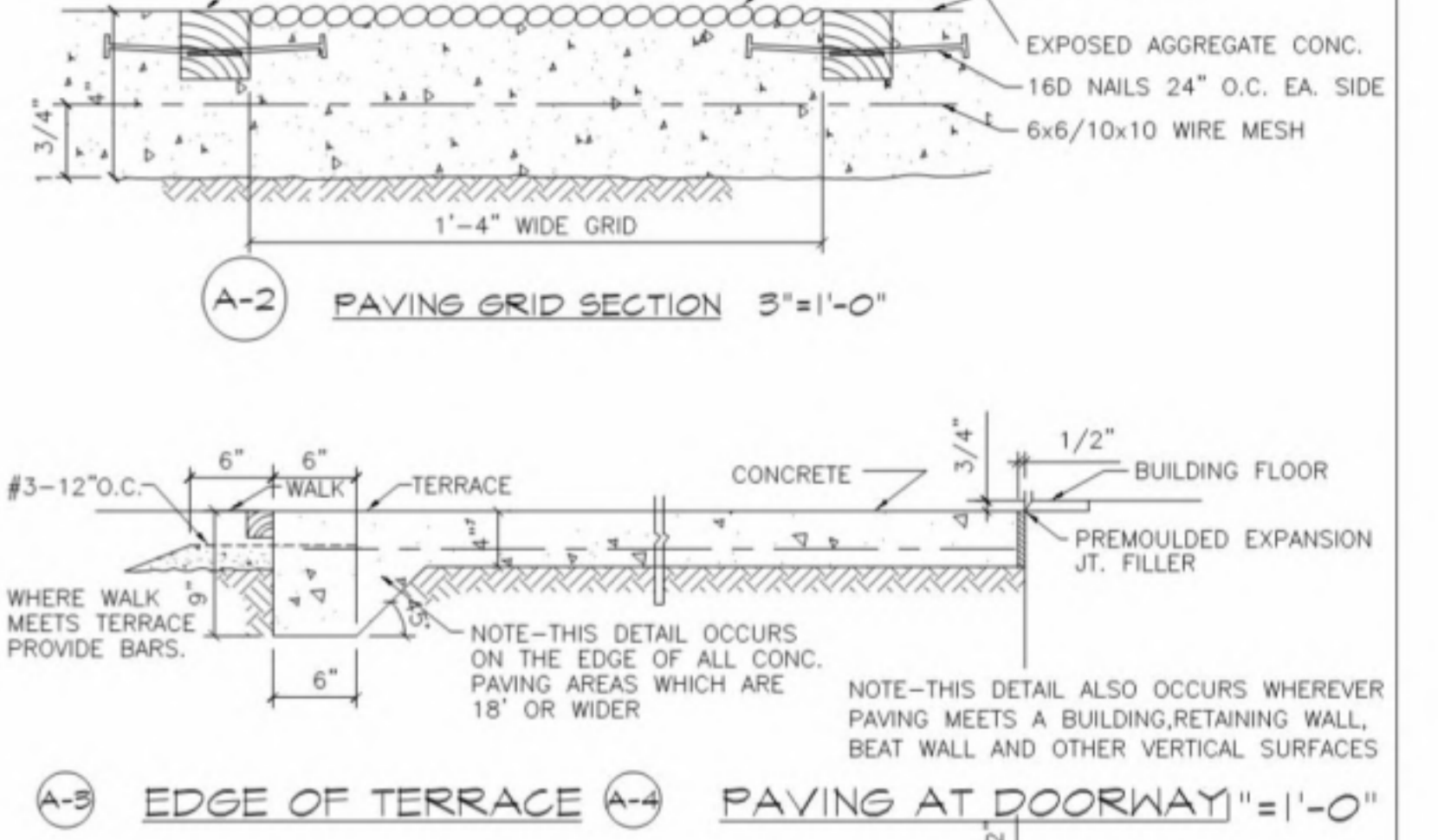
**BENCH WITH WOOD SEAT**  
 BENCH DETAILS  
 3/4"=1'-0"



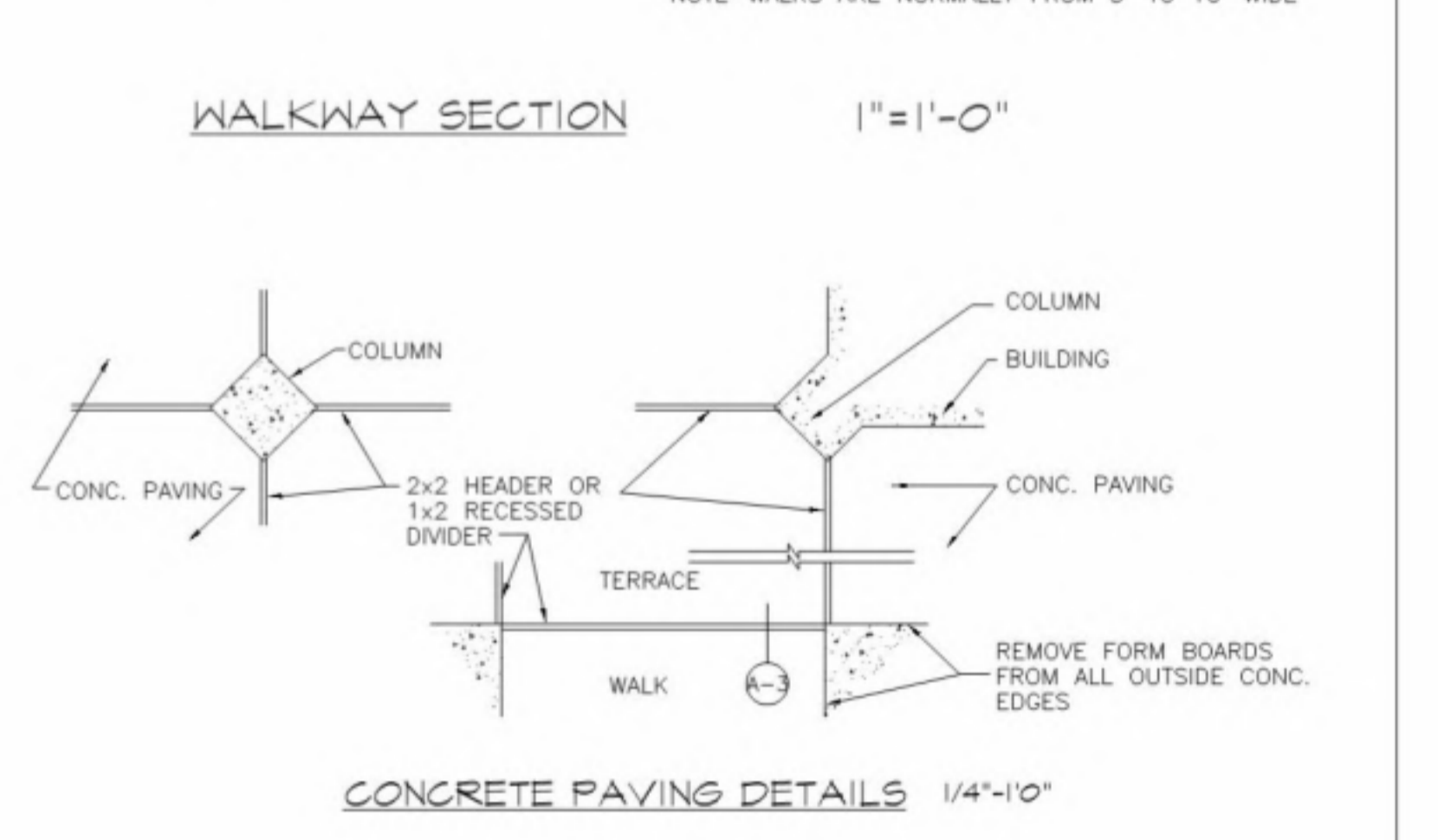
**MOVING EDGE**  
 1/2"=1'-0"



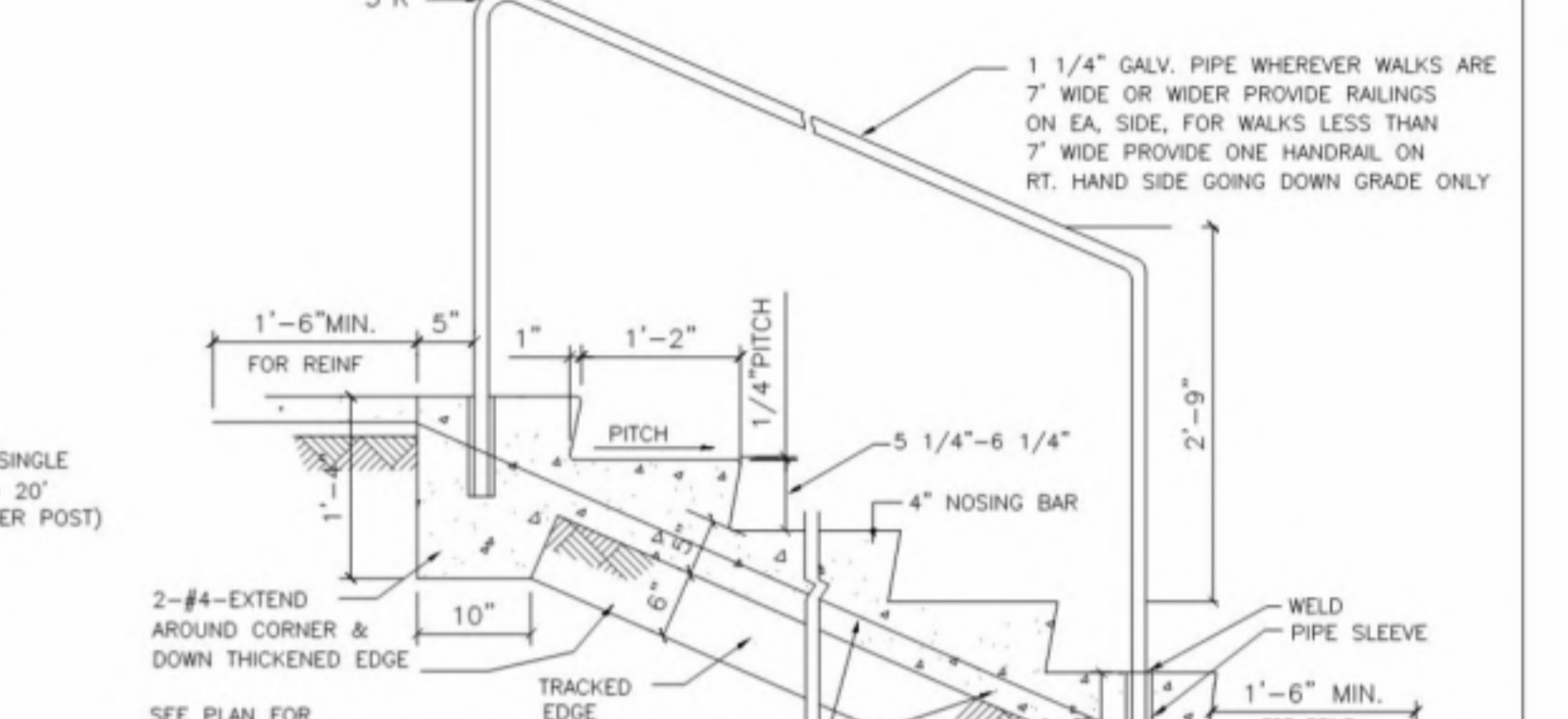
**PAVING SECTION**  
 5"=1'-0"



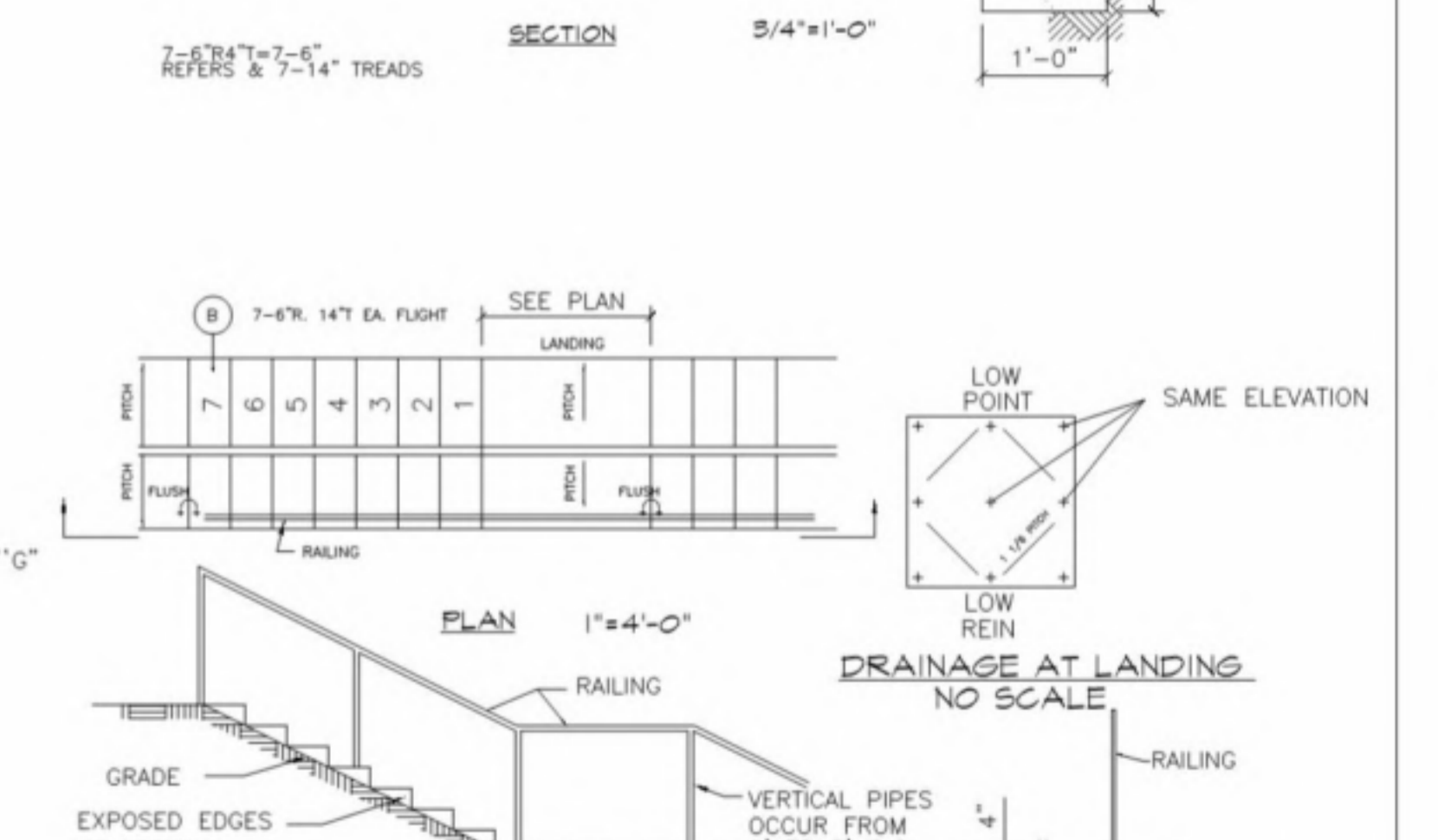
**PAVING GRID SECTION**  
 5"=1'-0"



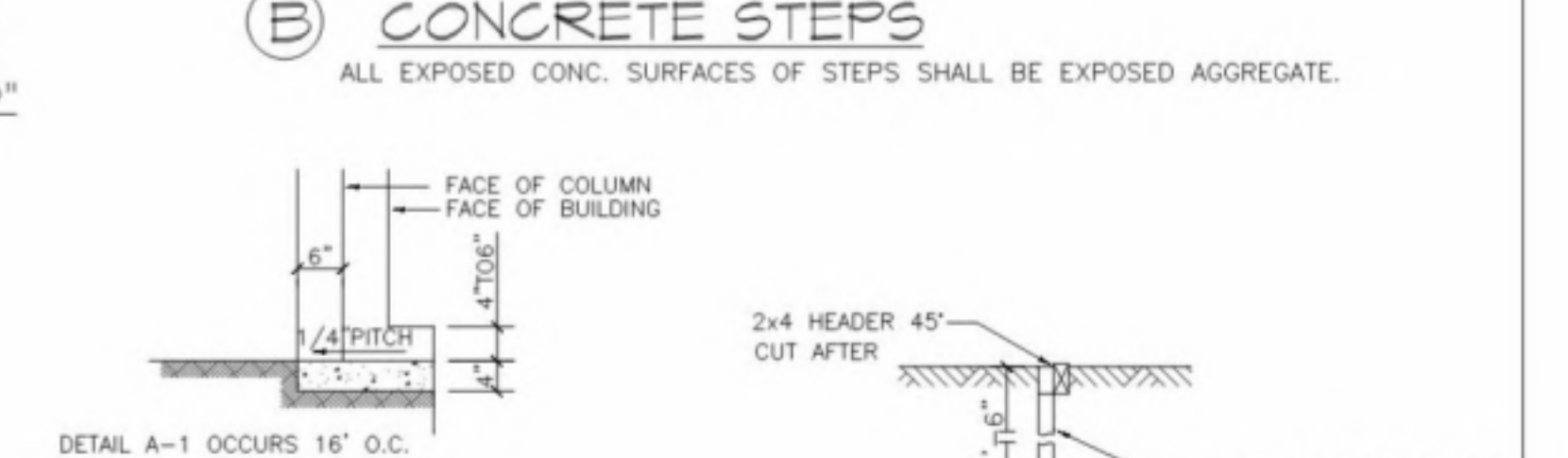
**EDGE OF TERRACE**  
 PAVING AT DOORWAY  
 1"=1'-0"



**WALKWAY SECTION**  
 1"=1'-0"

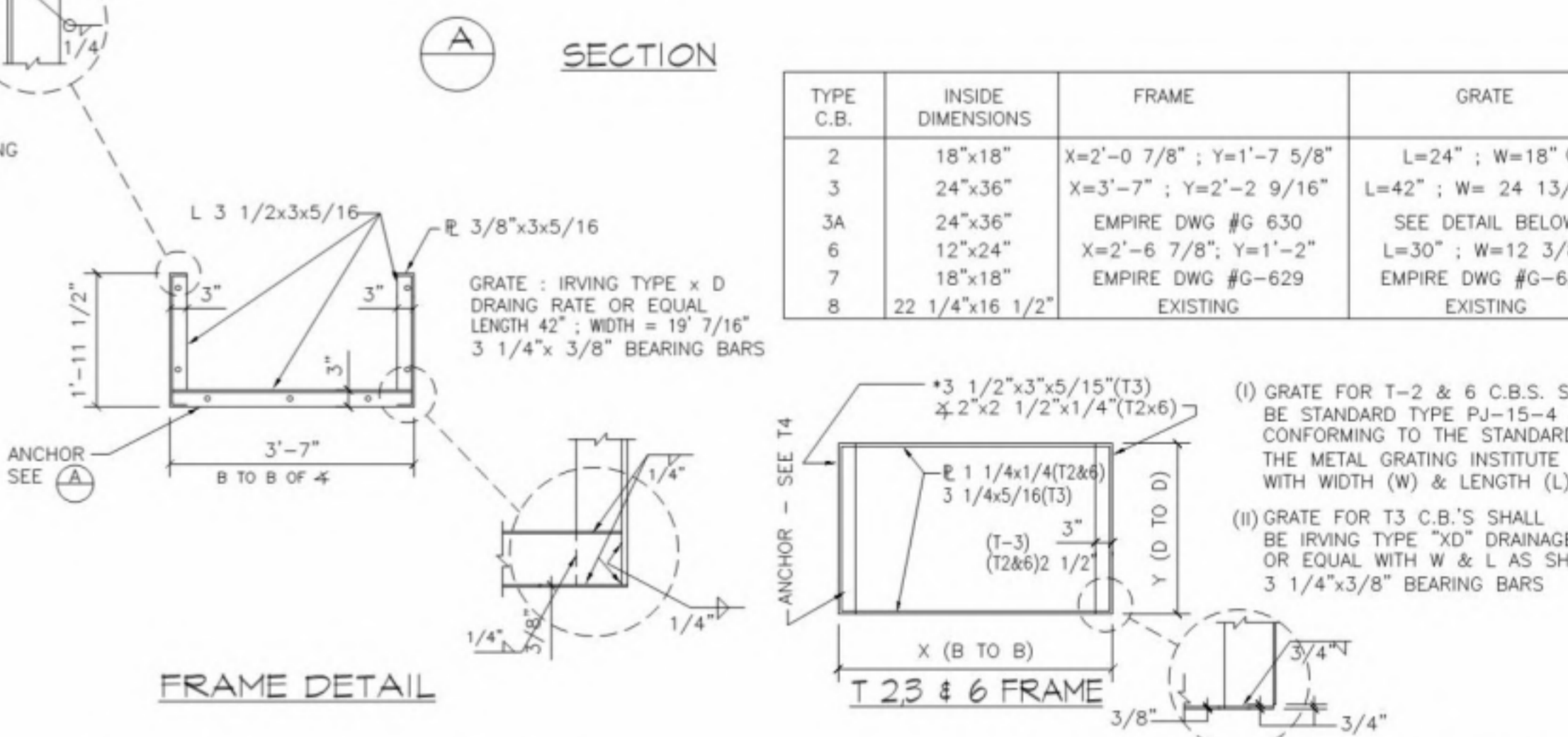
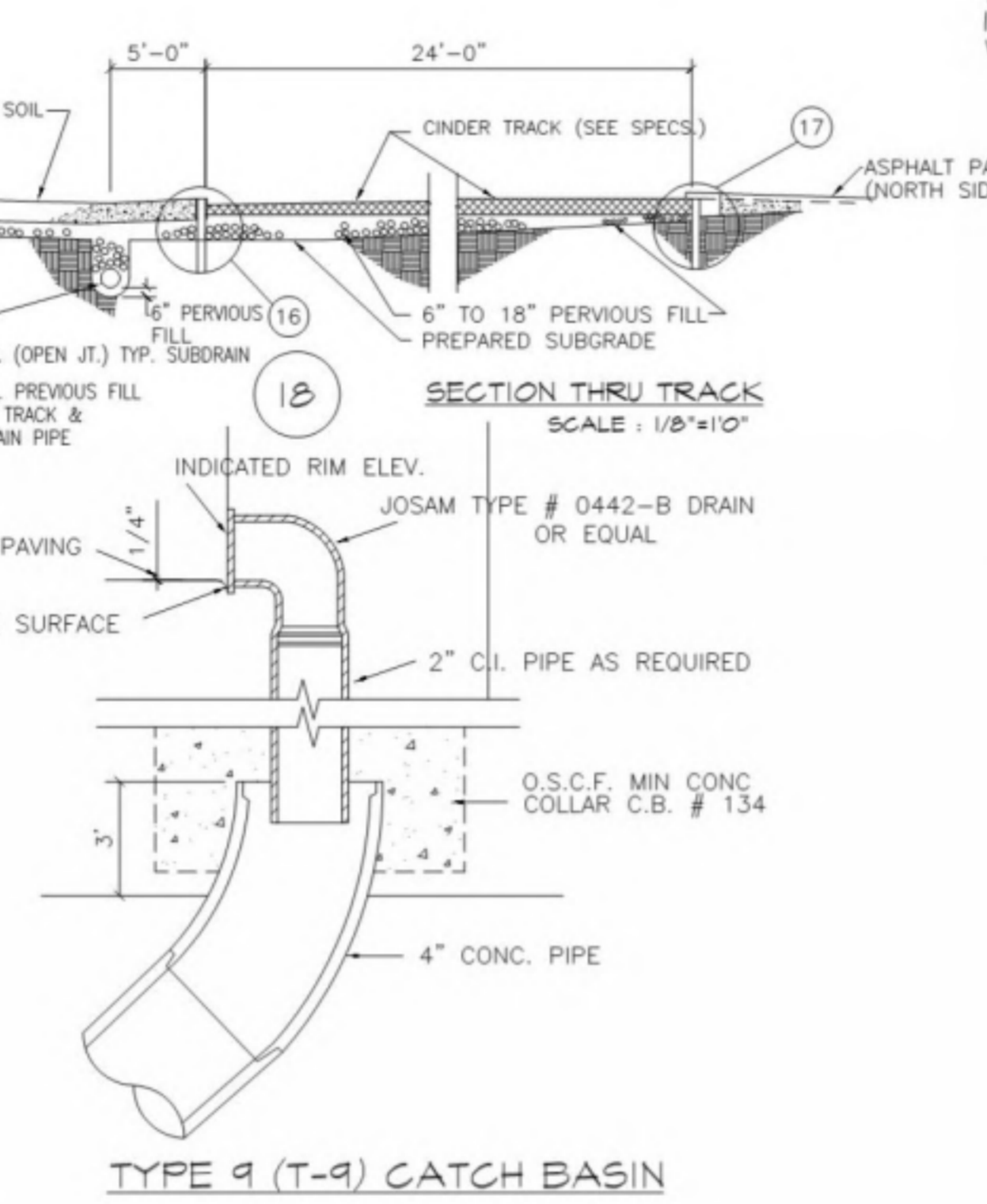
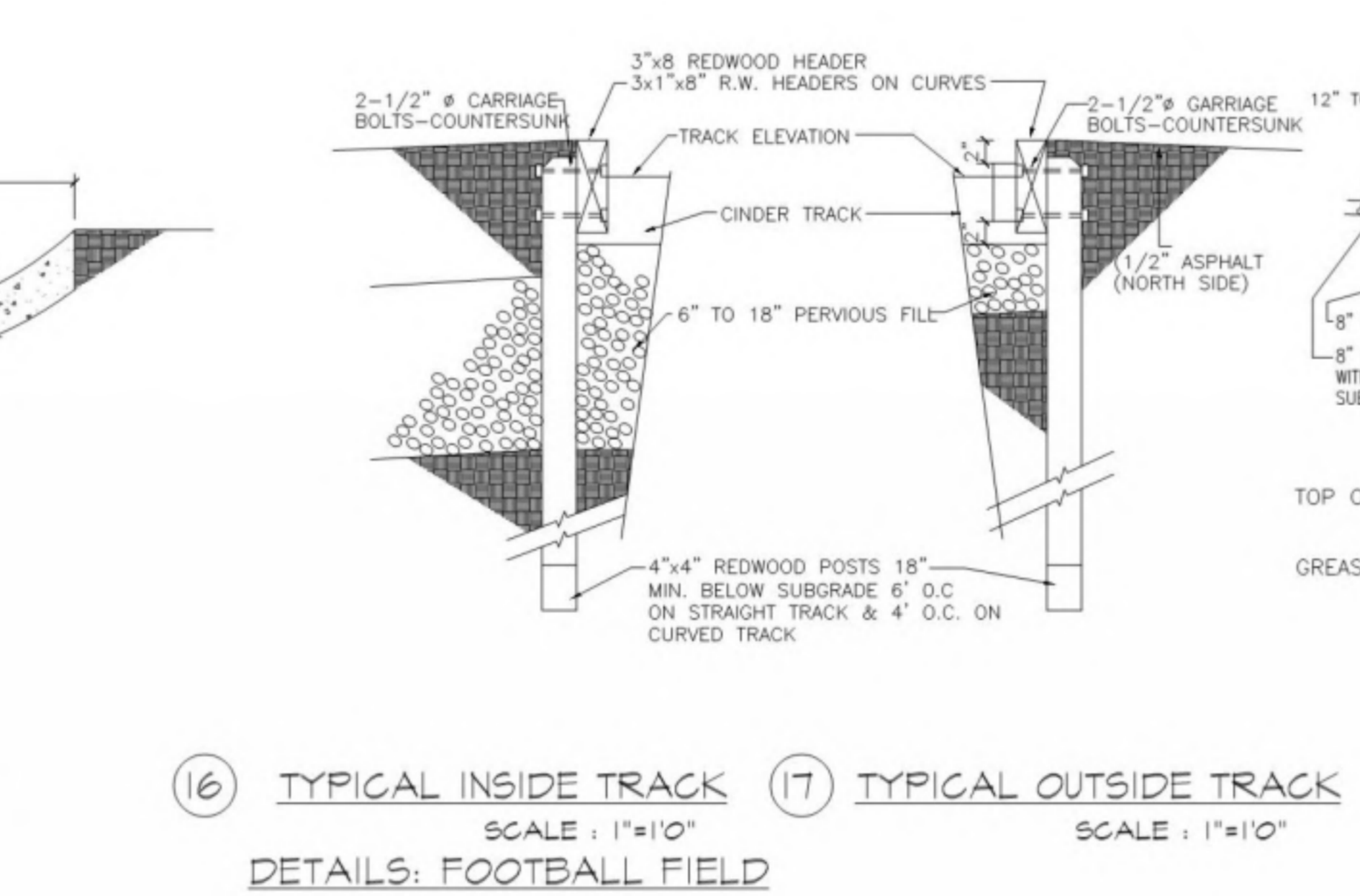
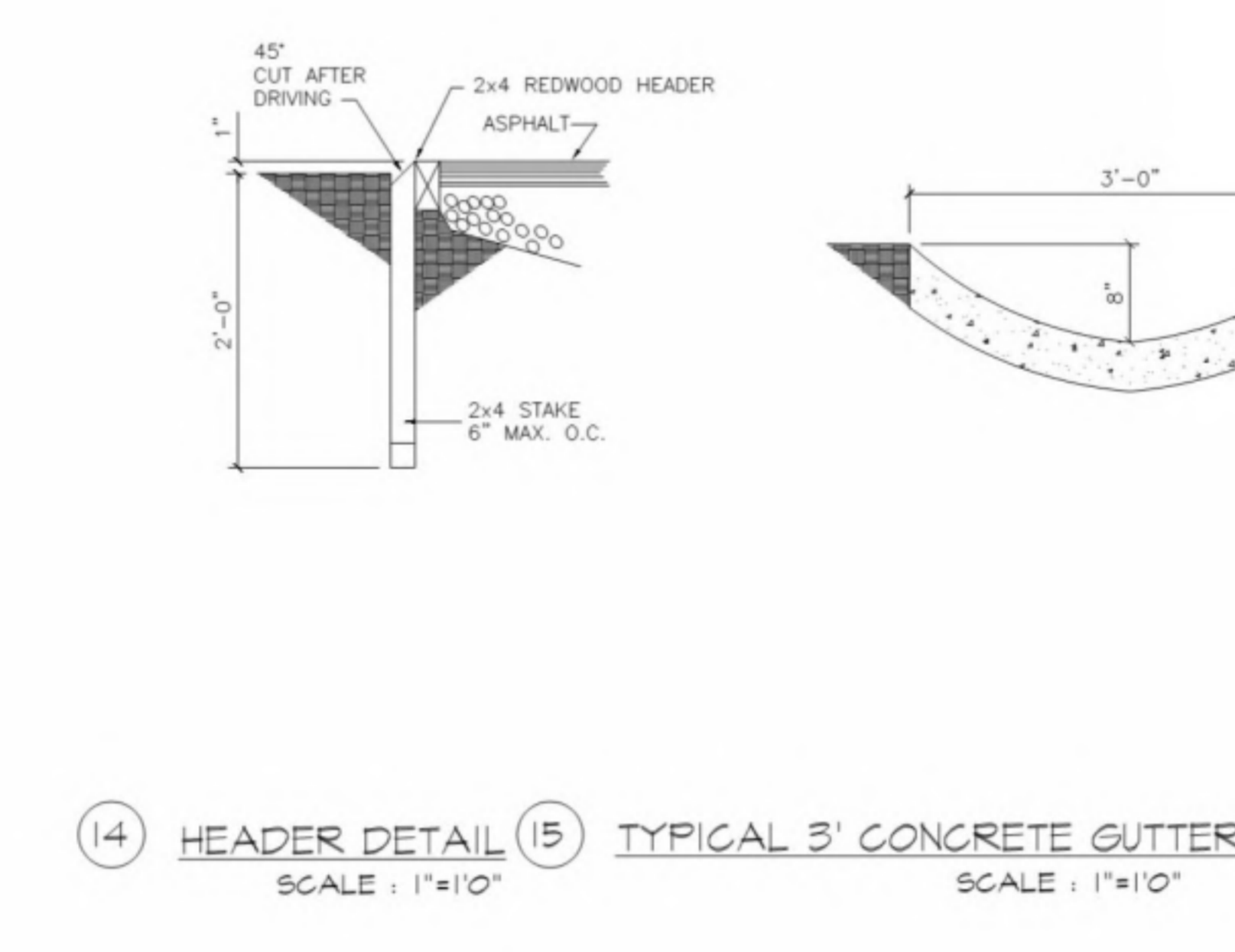
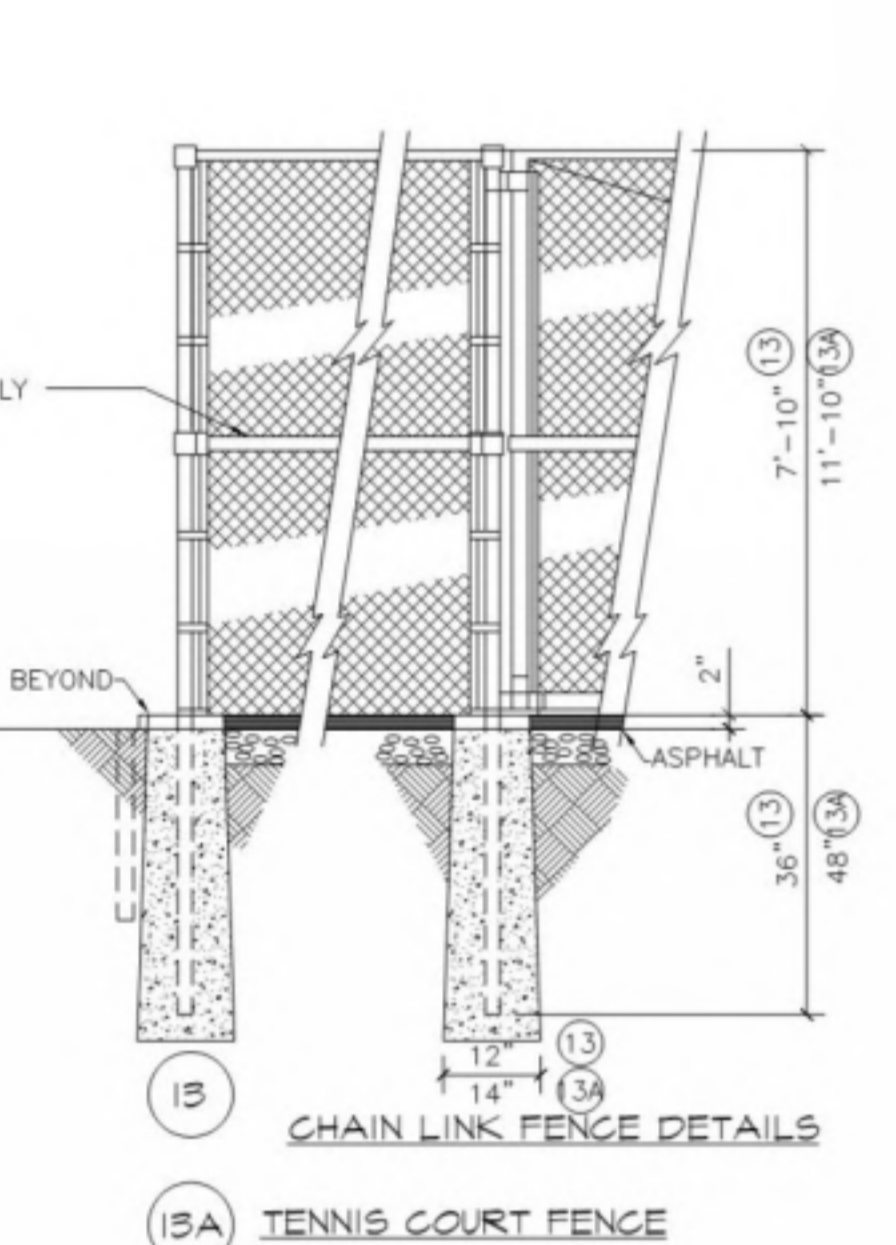
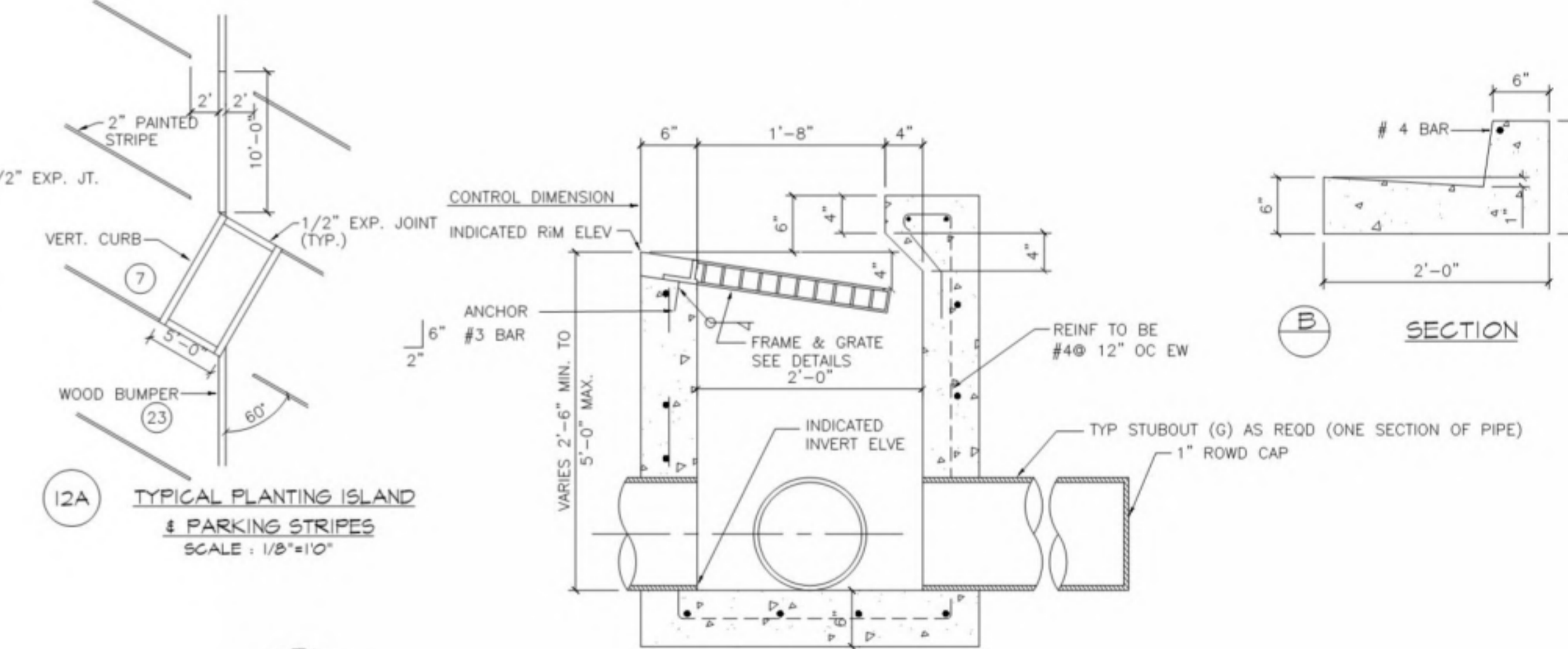
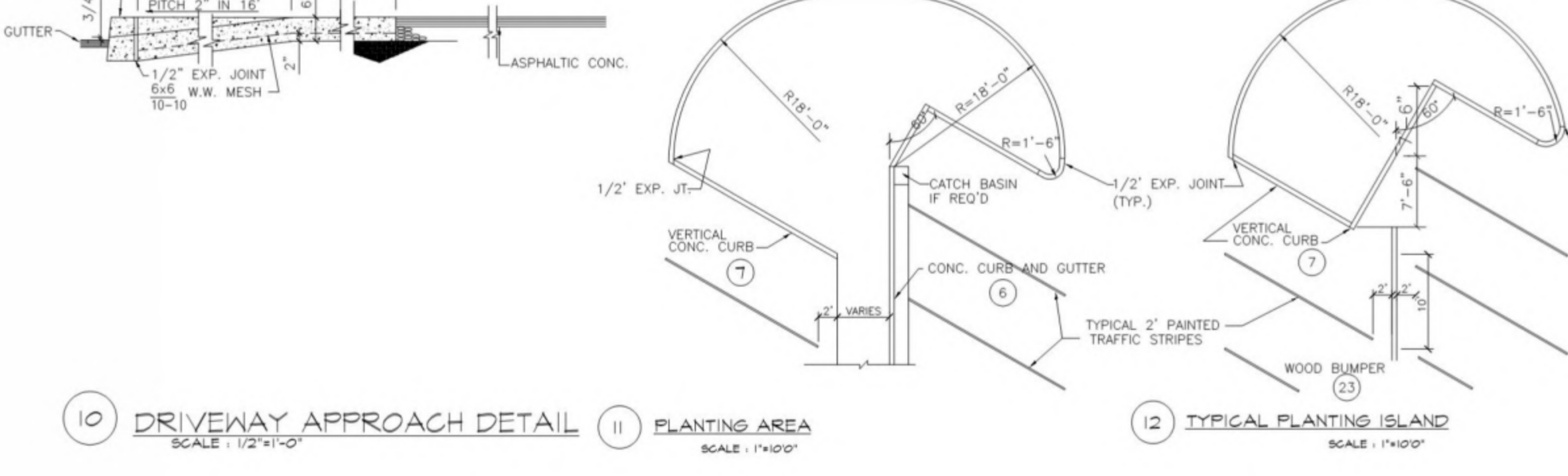
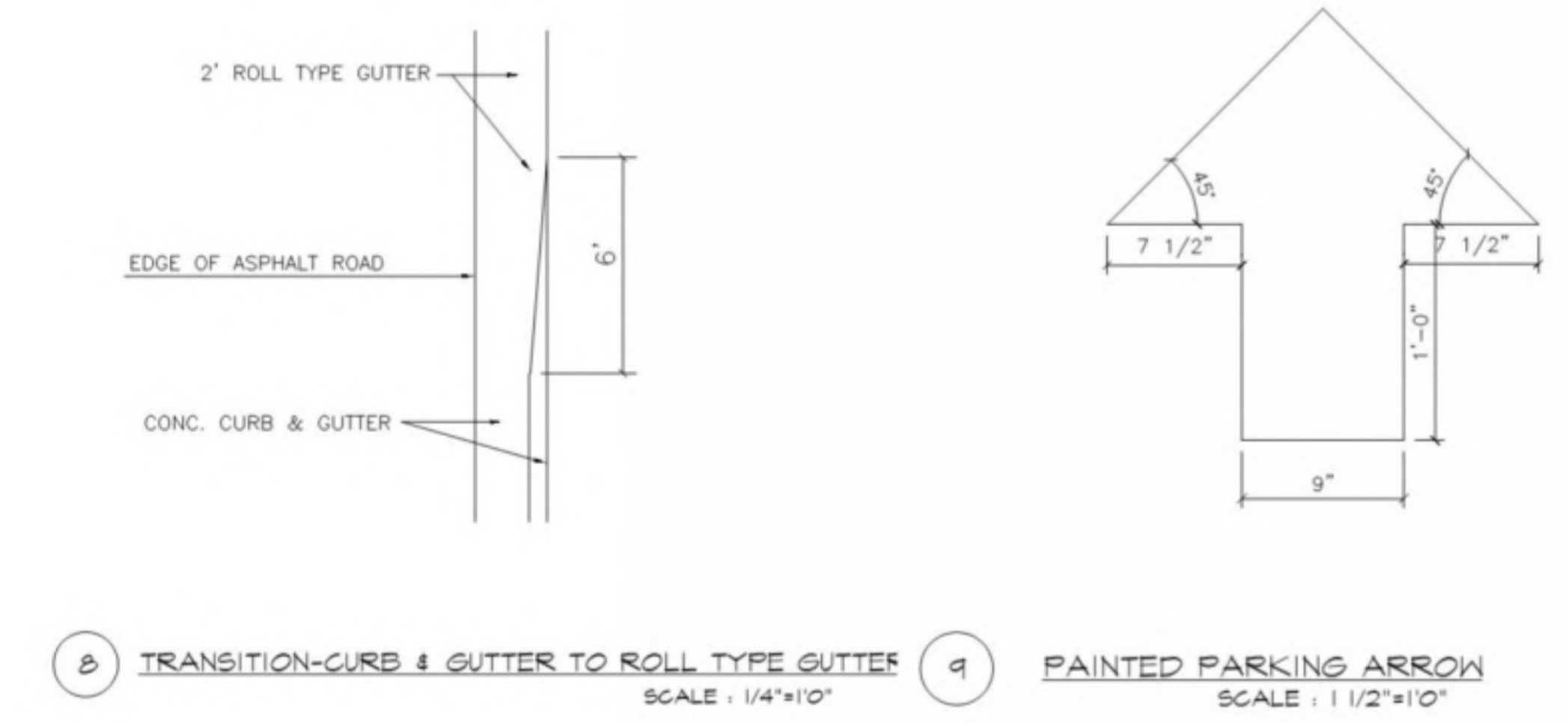
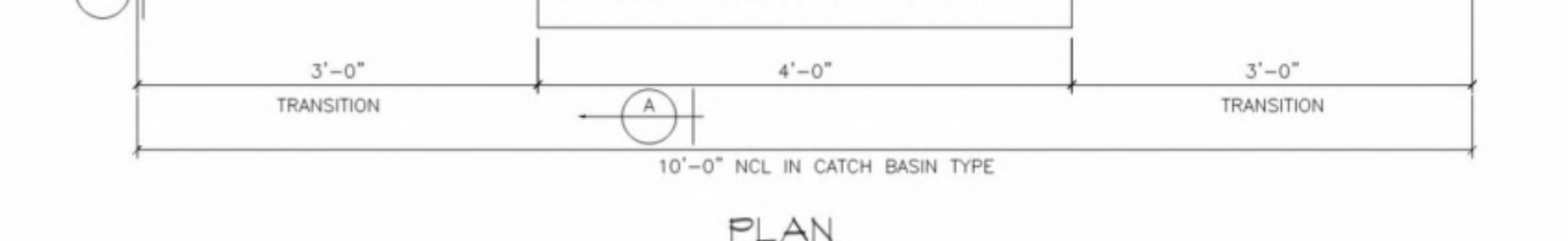
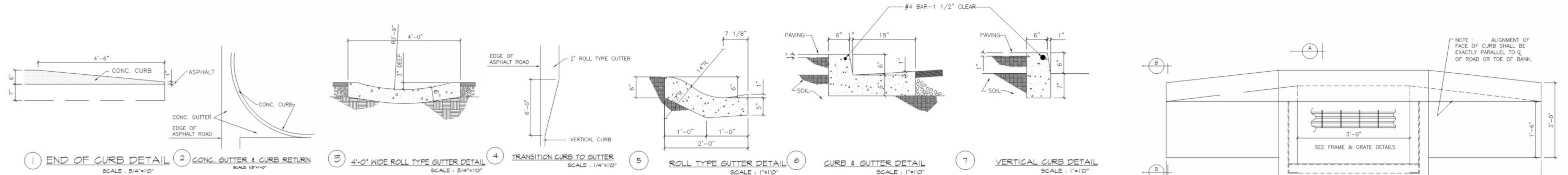


**CONCRETE PAVING DETAILS**  
 1/4"=1'-0"

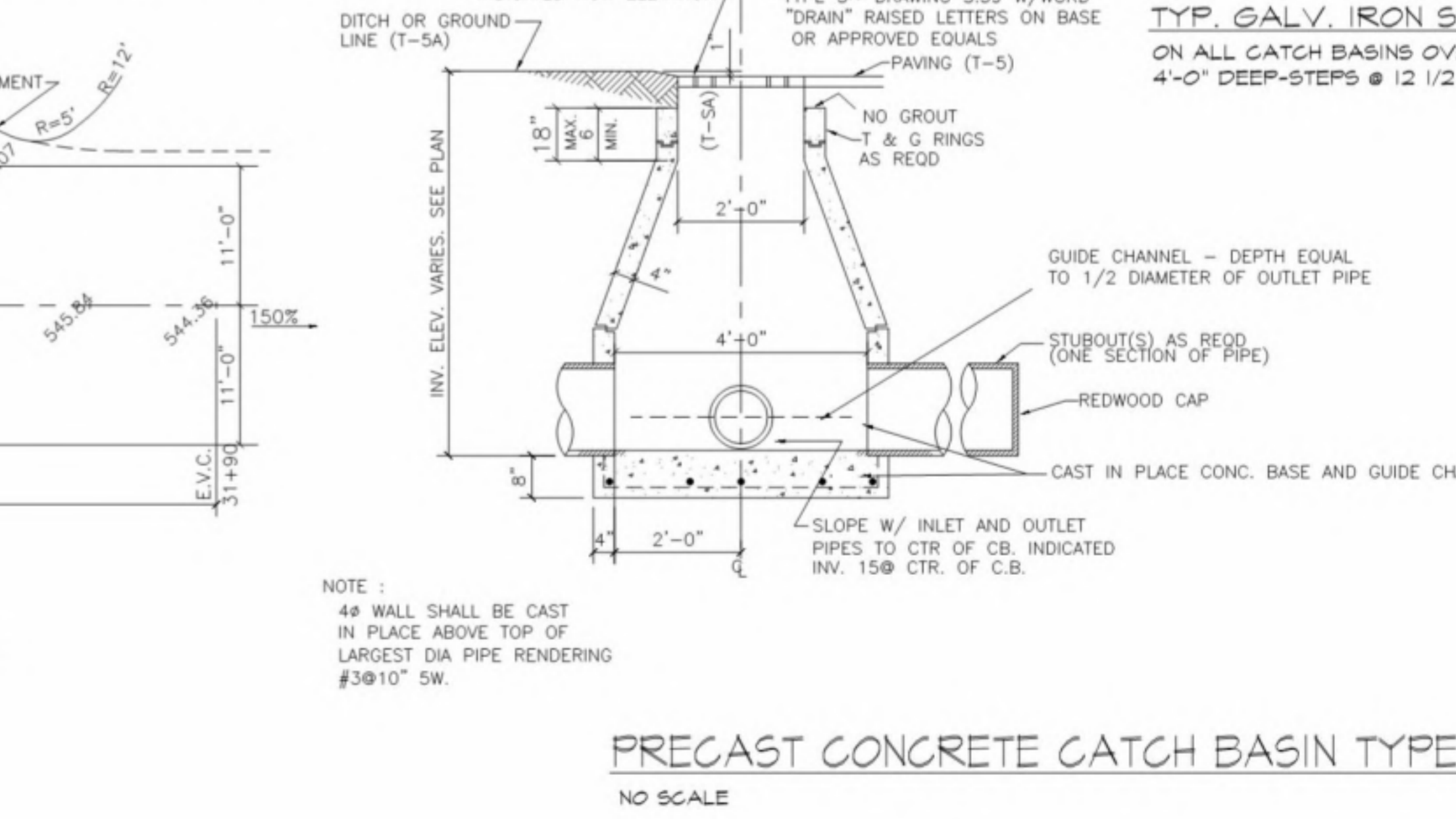
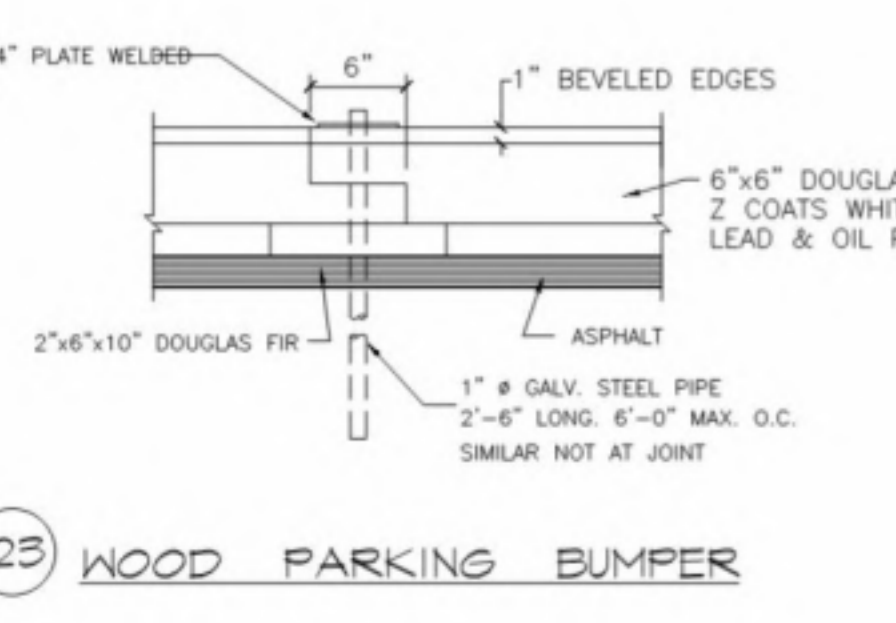
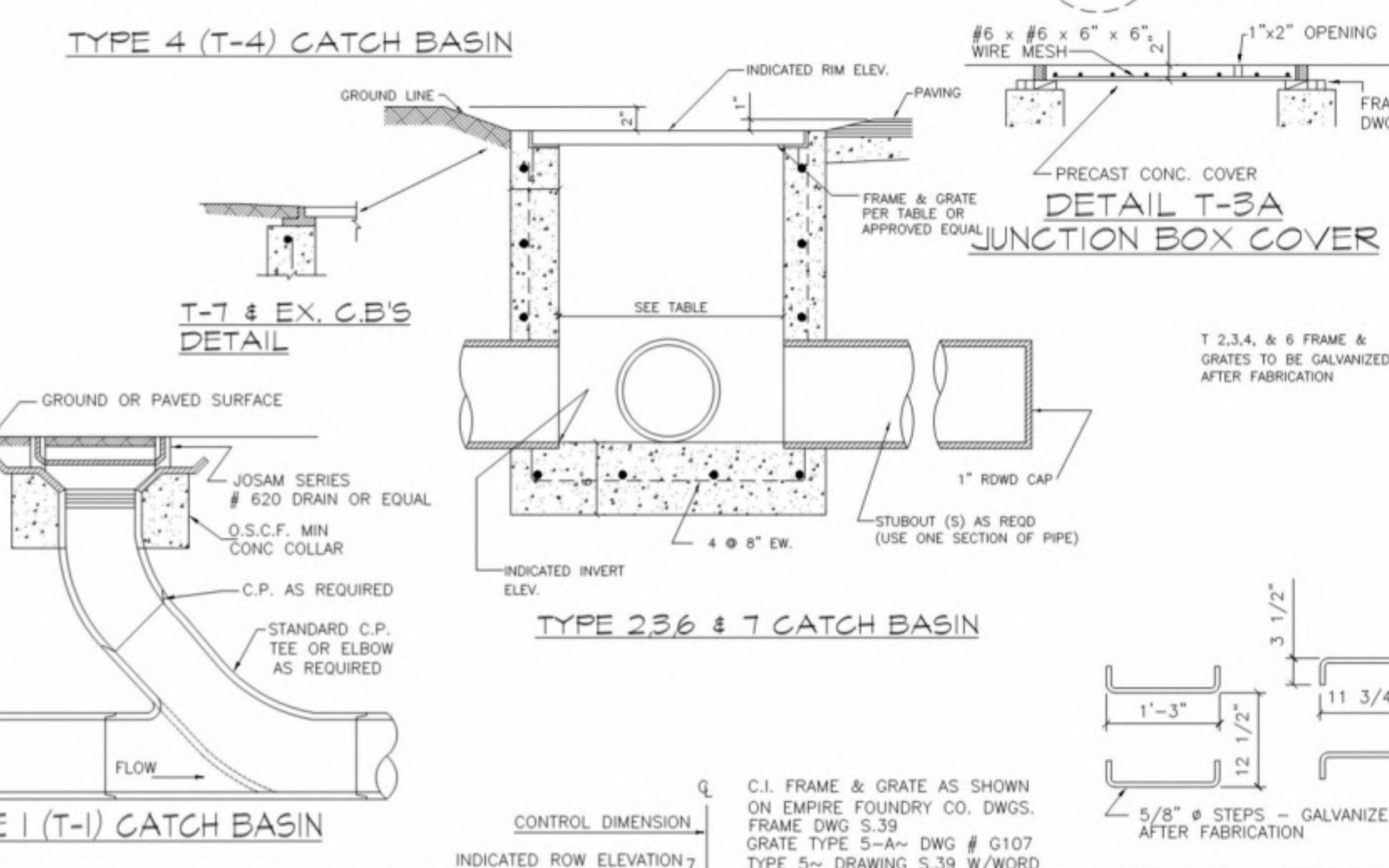
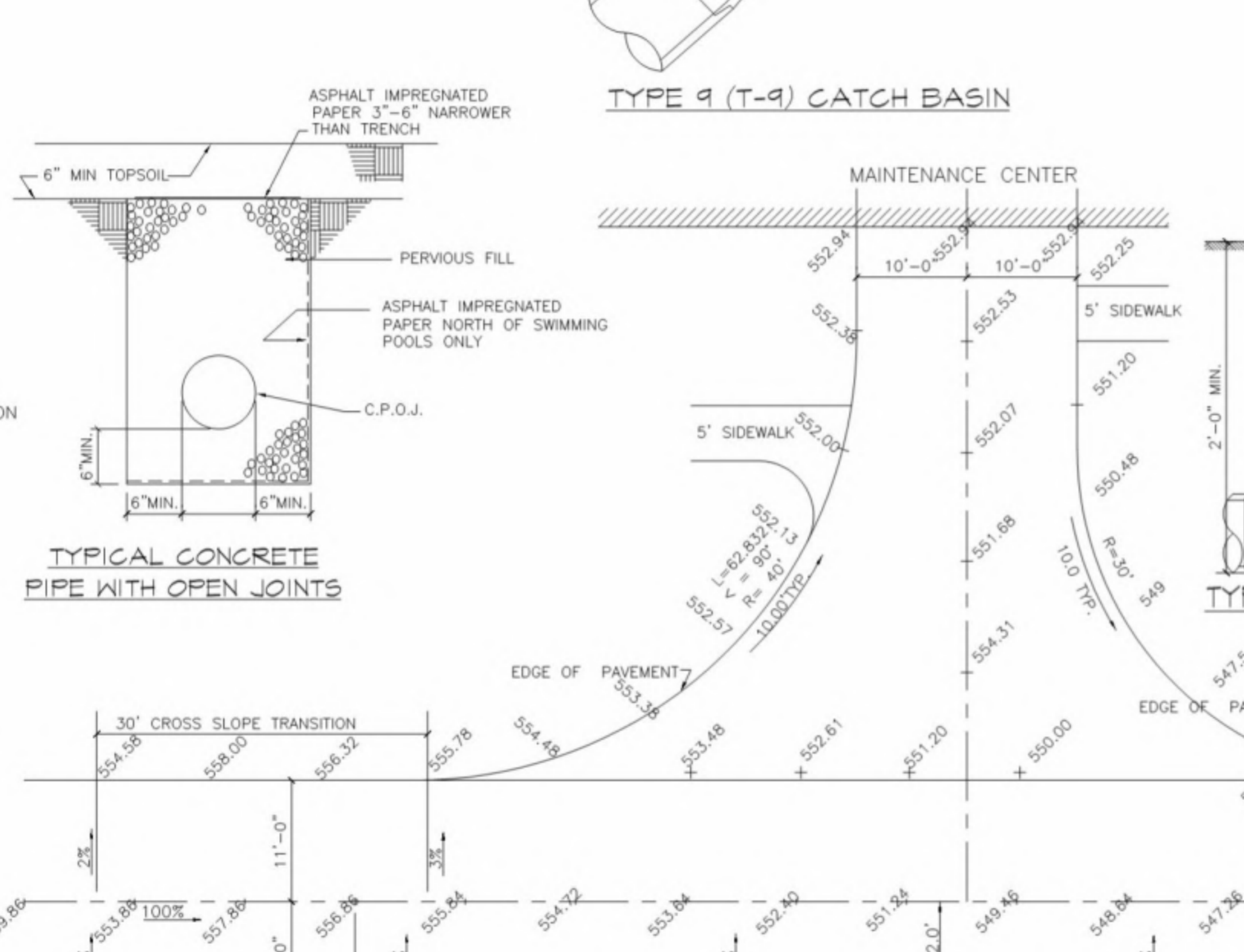
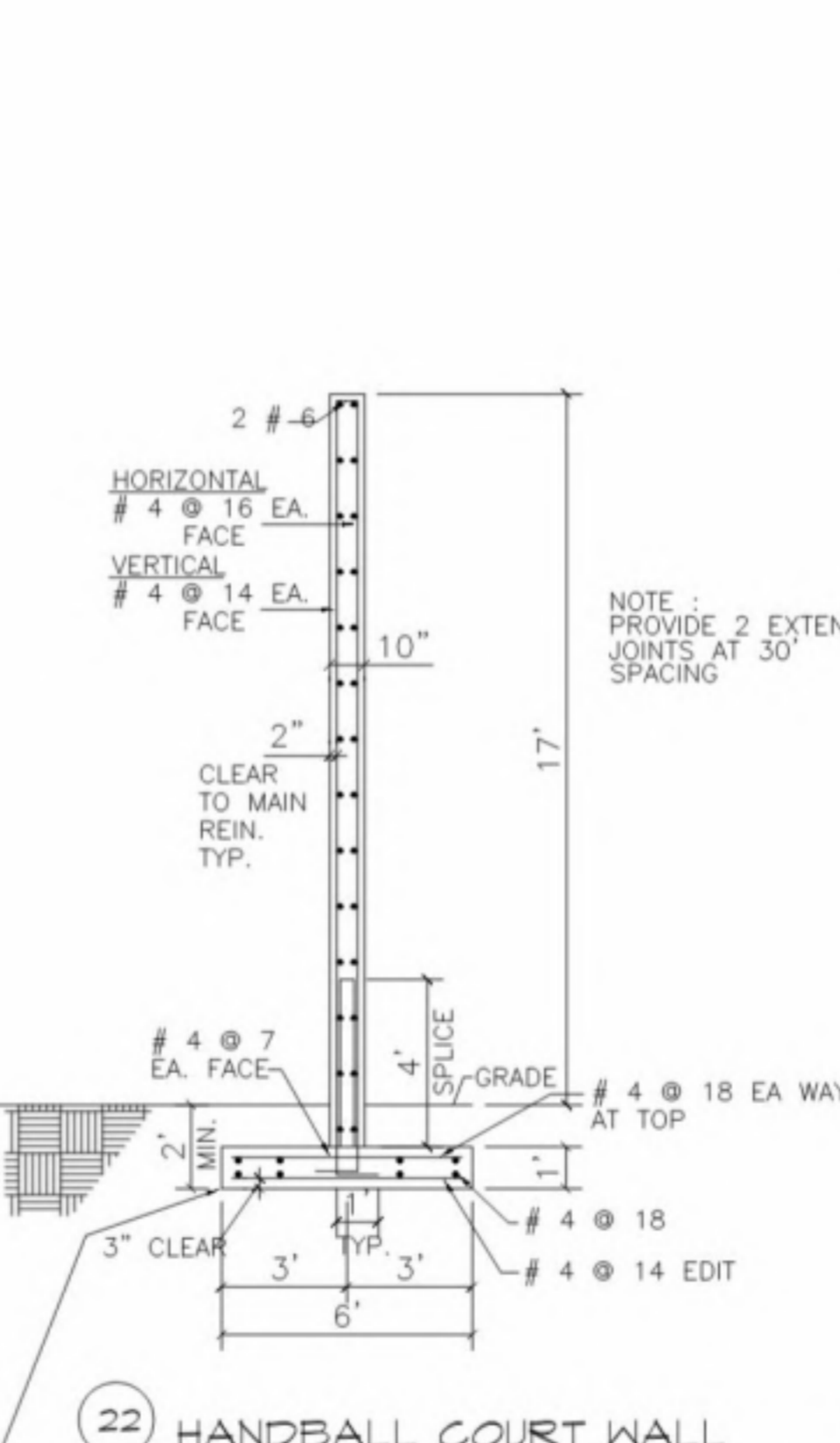
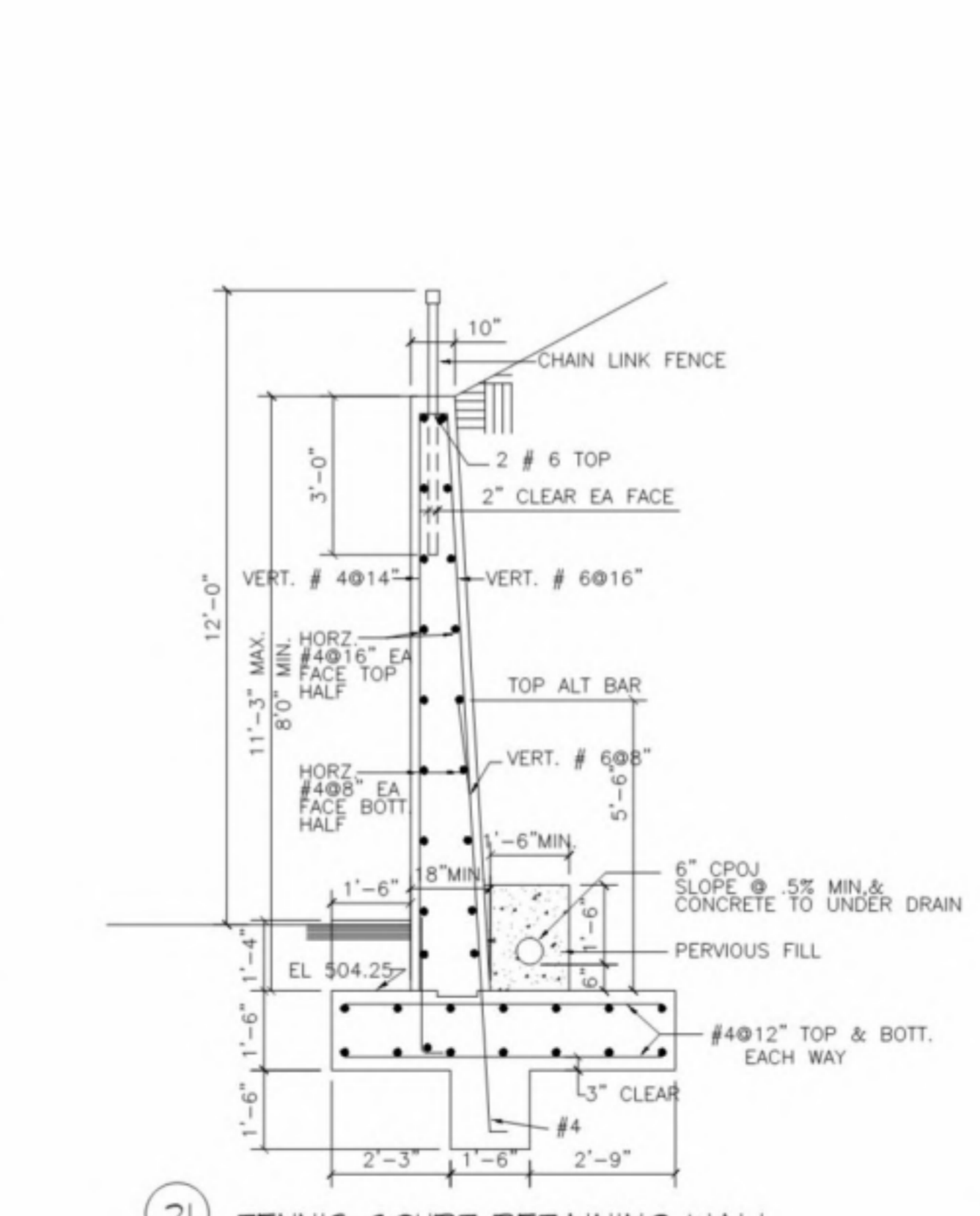
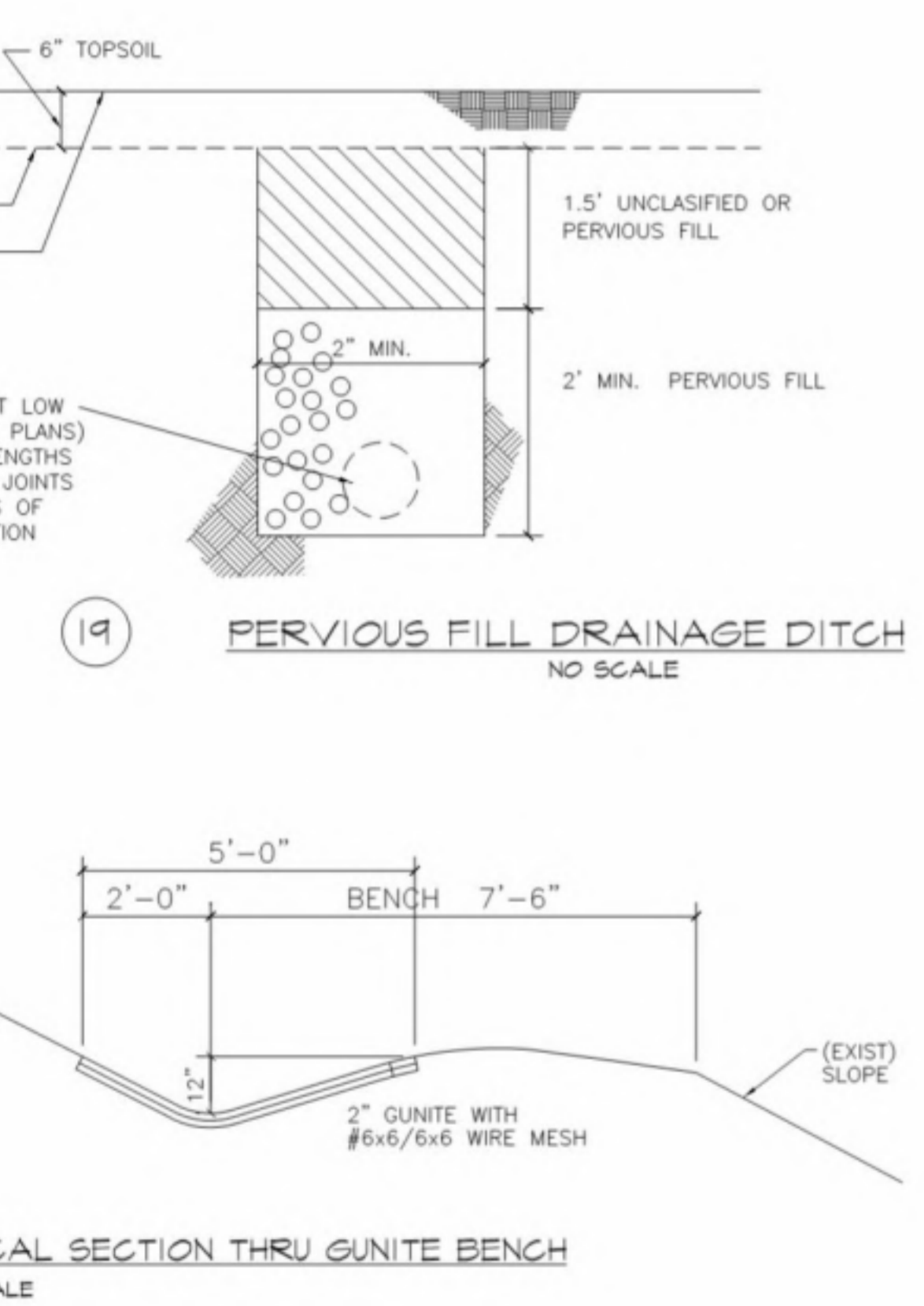


**CONCRETE STEPS**  
 ALL EXPOSED CONC. SURFACES OF STEPS SHALL BE EXPOSED AGGREGATE.  
 1"=1'-0"





TYPE C.B.	INSIDE DIMENSIONS	FRAME	GRATE
2	18\"	X=2'-0 7/8\"; Y=1'-7 5/8\"	L=24\"; W=18\" (1)
3	24\"x36\"	X=3'-7\"; Y=2'-2 9/16\"	L=42\"; W=24 13/16\" (2)
3A	24\"x36\"	EMPIRE DWG #G-630	SEE DETAIL BELOW
6	12\"x24\"	X=2'-6 7/8\"; Y=1'-2\"	L=30\"; W=12 3/8\" (1)
7	18\"x18\"	EMPIRE DWG #G-629	EMPIRE DWG #G-629 EXISTING
8	22 1/4\"x16 1/2\"		



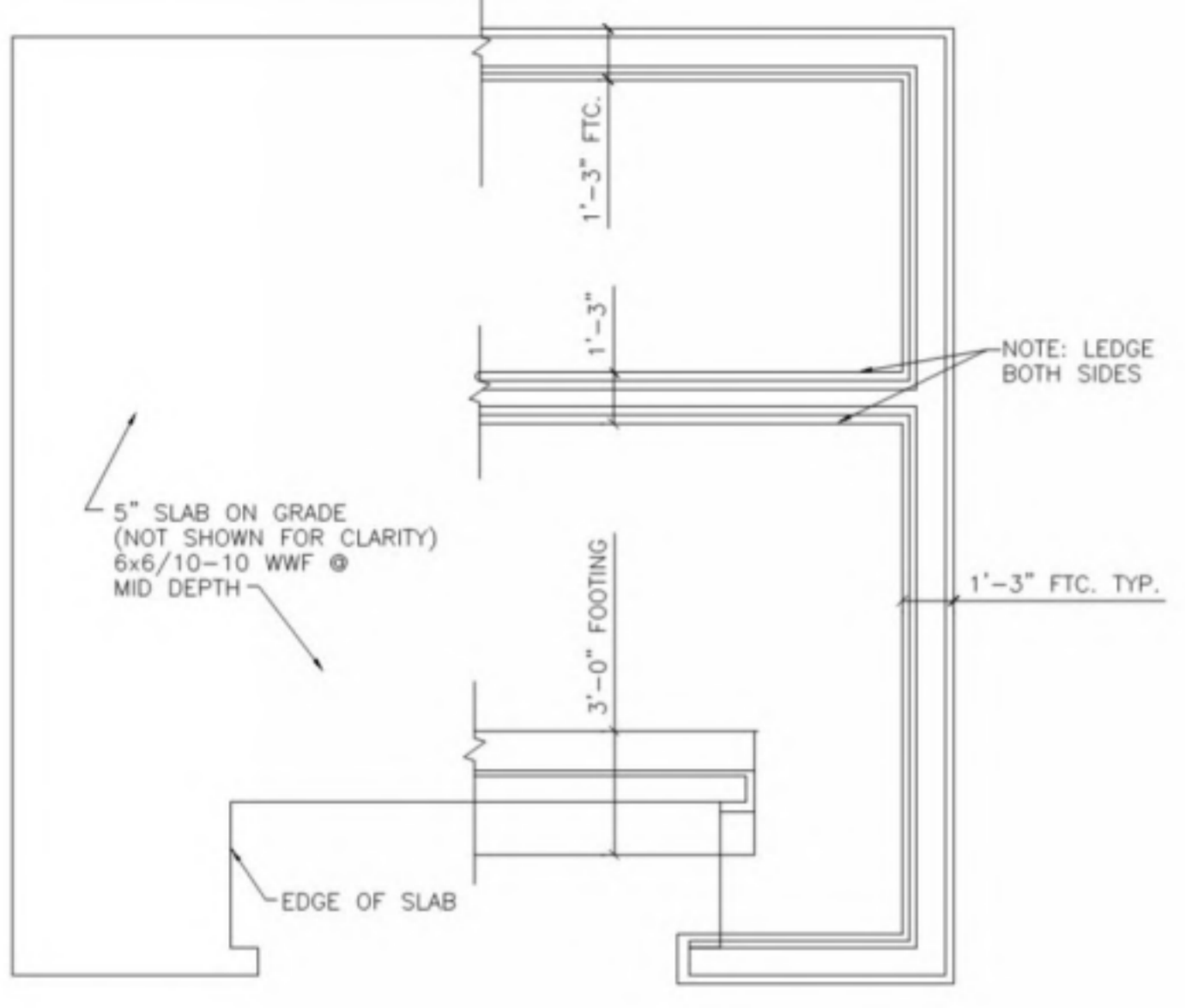
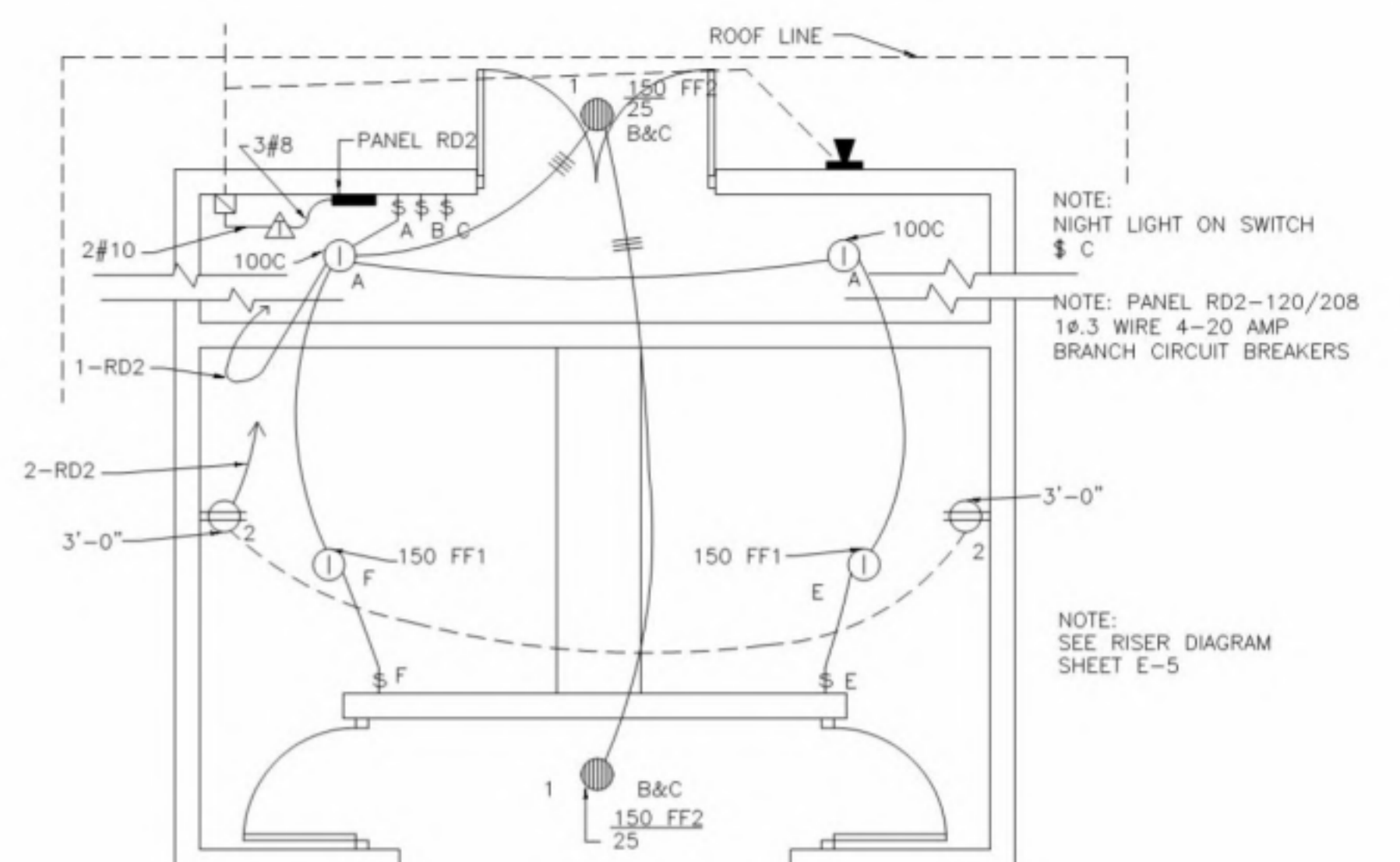
NOTE: FOR CONTINUATION SEE SITE DEVELOPMENT DWG'S

### ELECTRICAL SYMBOLS

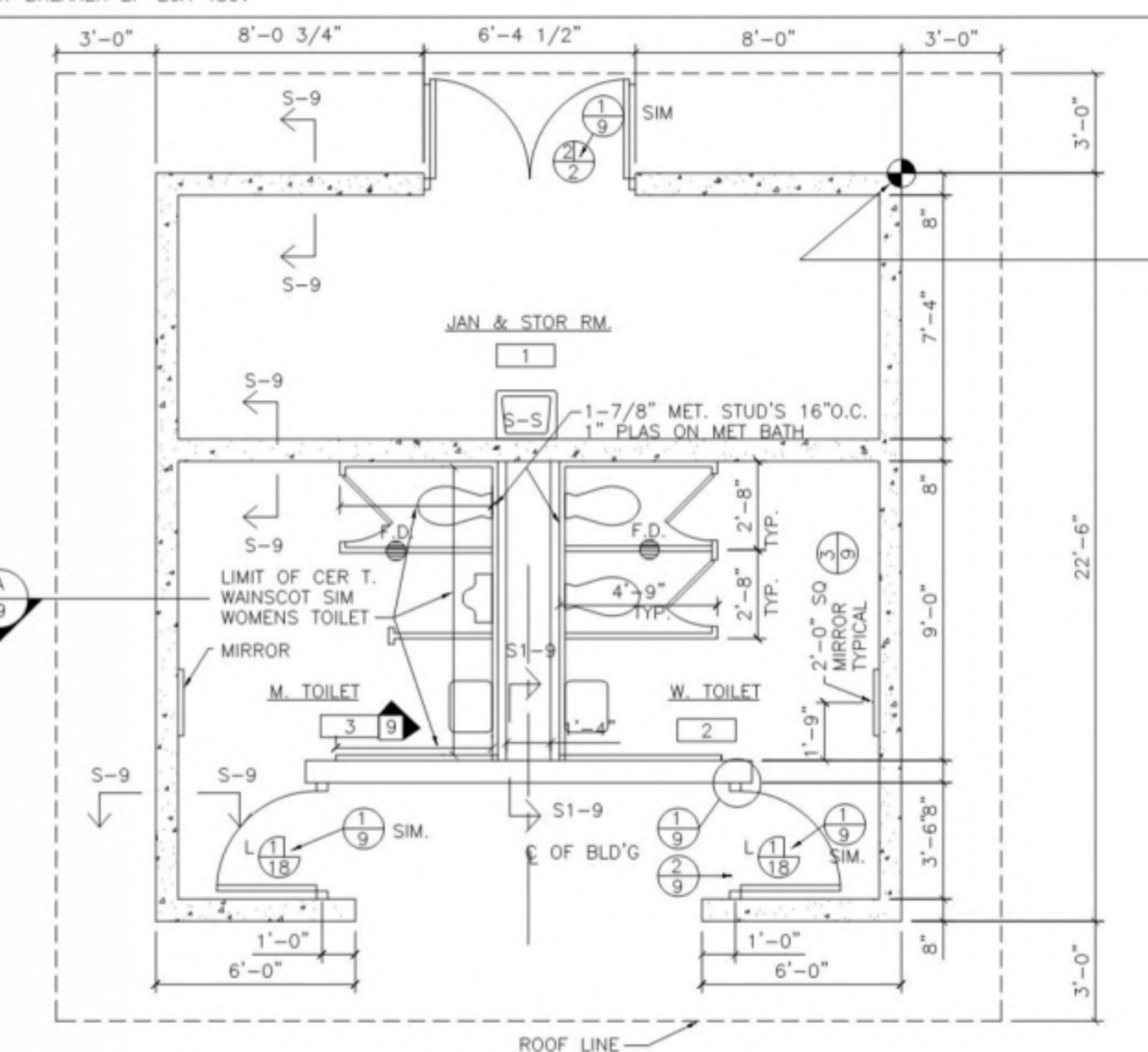
	EMERGENCY LIGHTING CONDUIT SYSTEM
	BRANCH CIRCUIT CONDUIT RUN - CONCEALED IN CLC
	BRANCH CIRCUIT CONDUIT RUN - CONCEALED IN OR UNDER FLOOR
	HOME RUN TO PANEL BOARD, NUMBERS INDICATE BRANCH CIRCUITS, LETTERS INDICATE PANEL BOARD
	TRANSFORMER 480 120/240V 5 KVA - 1ø
	DUPLEX CONVENIENCE RECEPTACLE
	SINGLE POLE SWITCH
	LIGHTING PANEL
	OUTSIDE TELEPHONE OUTLET
	CIRCUIT BREAKER 2P 20A 480V

### LIGHTING FIXTURE SCHEDULE

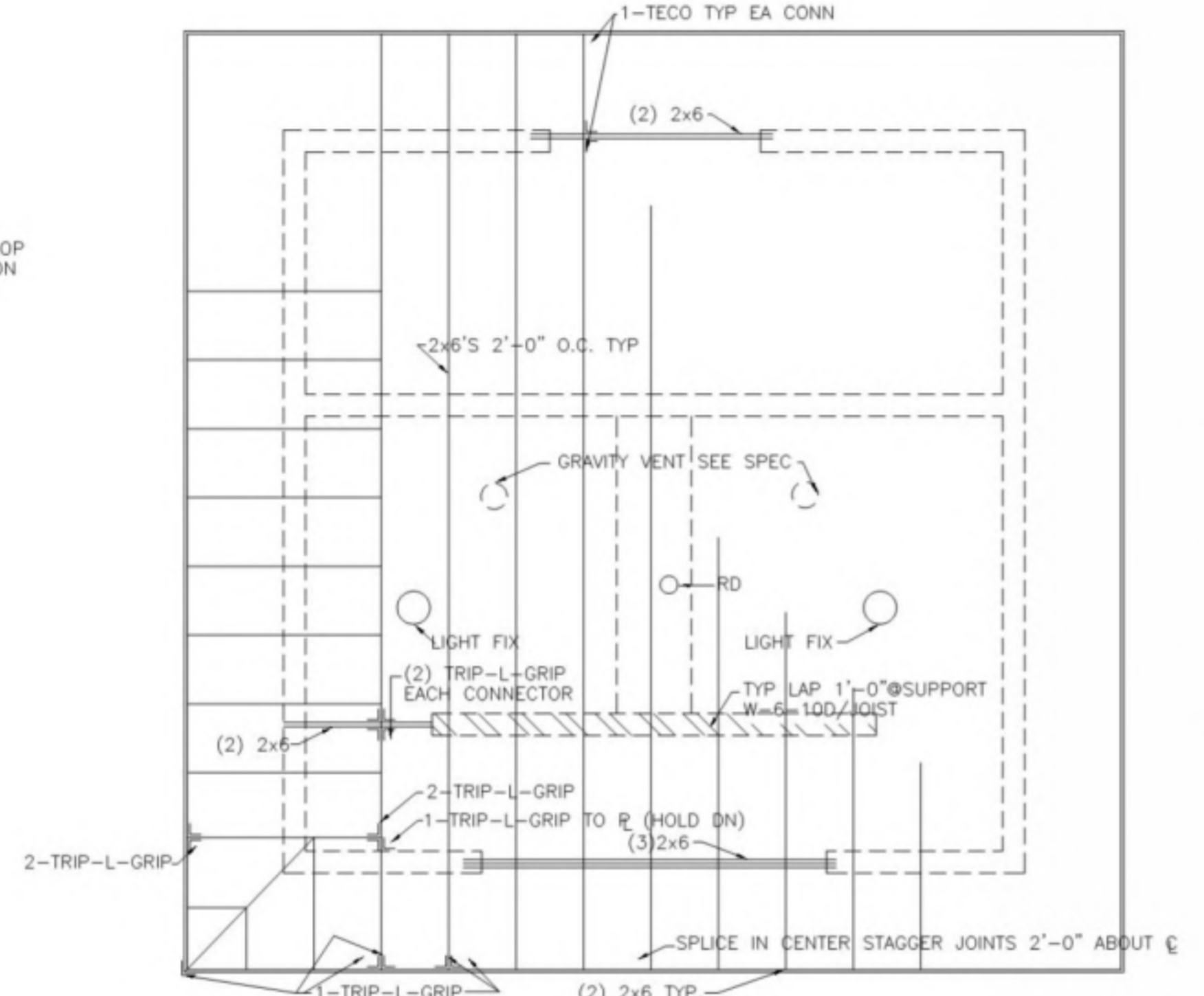
TYPE	DESCRIPTION
FF1	RECESSED INCANDESCENT UNIT FOR MOUNTING IN PLASTER CEILING W/HOLOPHANE "CONTROLENS" FOR ASYMMETRIC DISTRIBUTION-MPHILBEN #43-30
FF2	RECESSED INCANDESCENT UNIT FOR MOUNTING IN PLASTER CEILING W/HOLOPHANE "CONTROLENS" FOR ASYMMETRIC DISTRIBUTION & OUTLET FOR NIGHT LIGHT M: PHILBEN #43-30 SERIES
G	PORCELAIN LAMP RECEPTACLE, KEYLESS FOR OUTLET BOX MOUNTING(MEDIUM BASE LAMP)



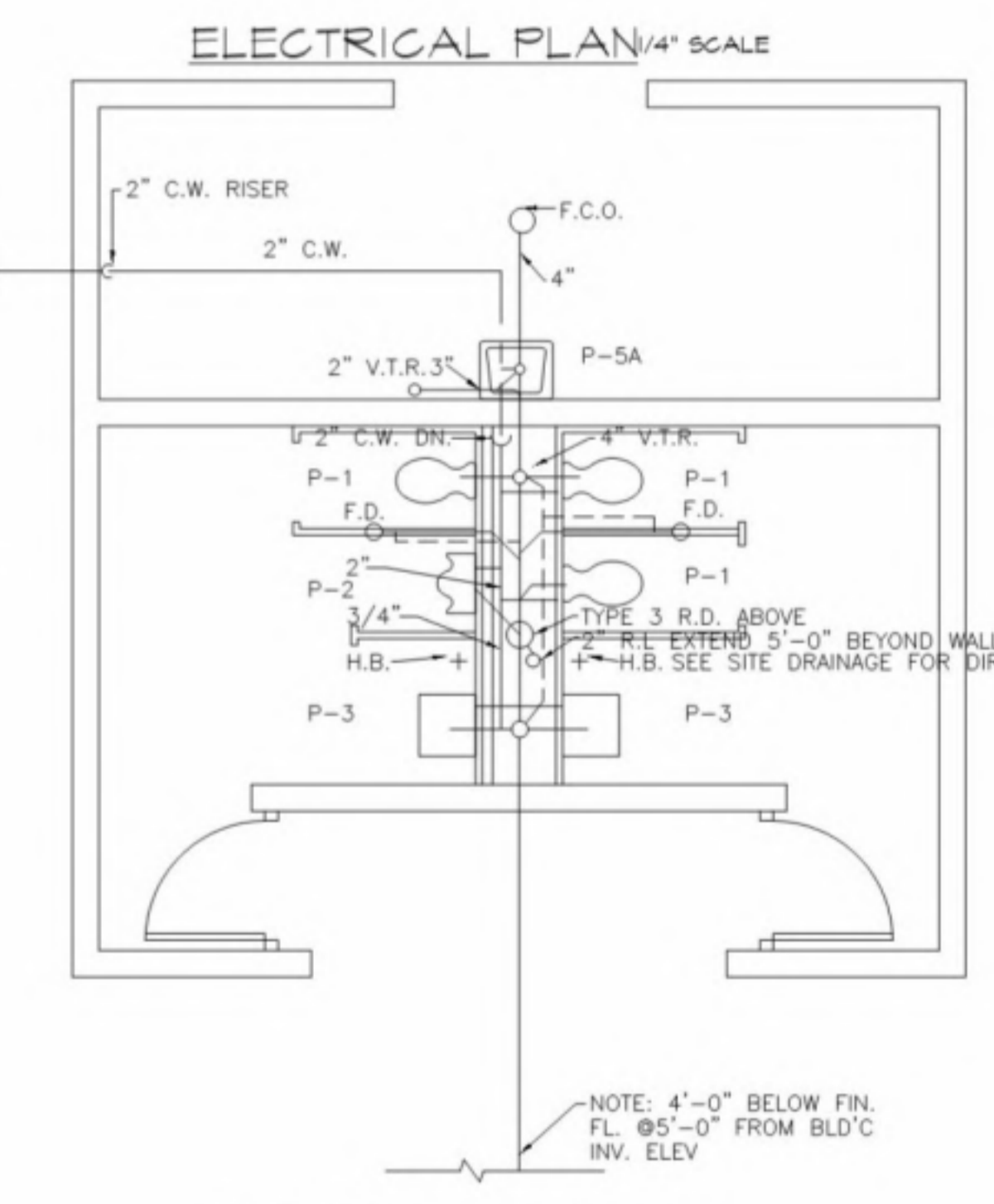
FOUNDATION PLAN 1/4" SCALE



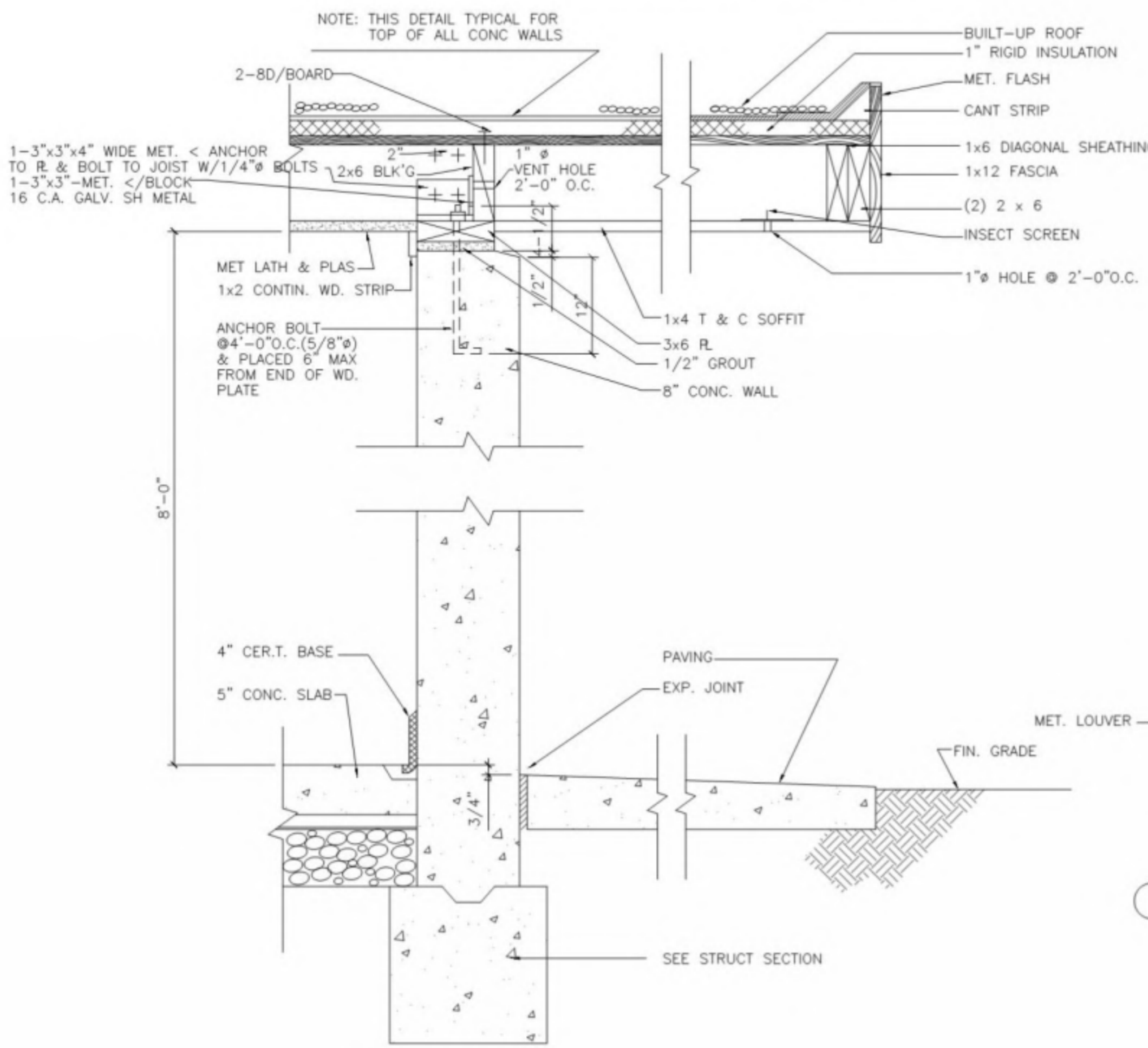
FLOOR PLAN 1/4" SCALE



ROOF FRAMING PLAN 1/4" SCALE



PLUMBING PLAN 1/4" SCALE



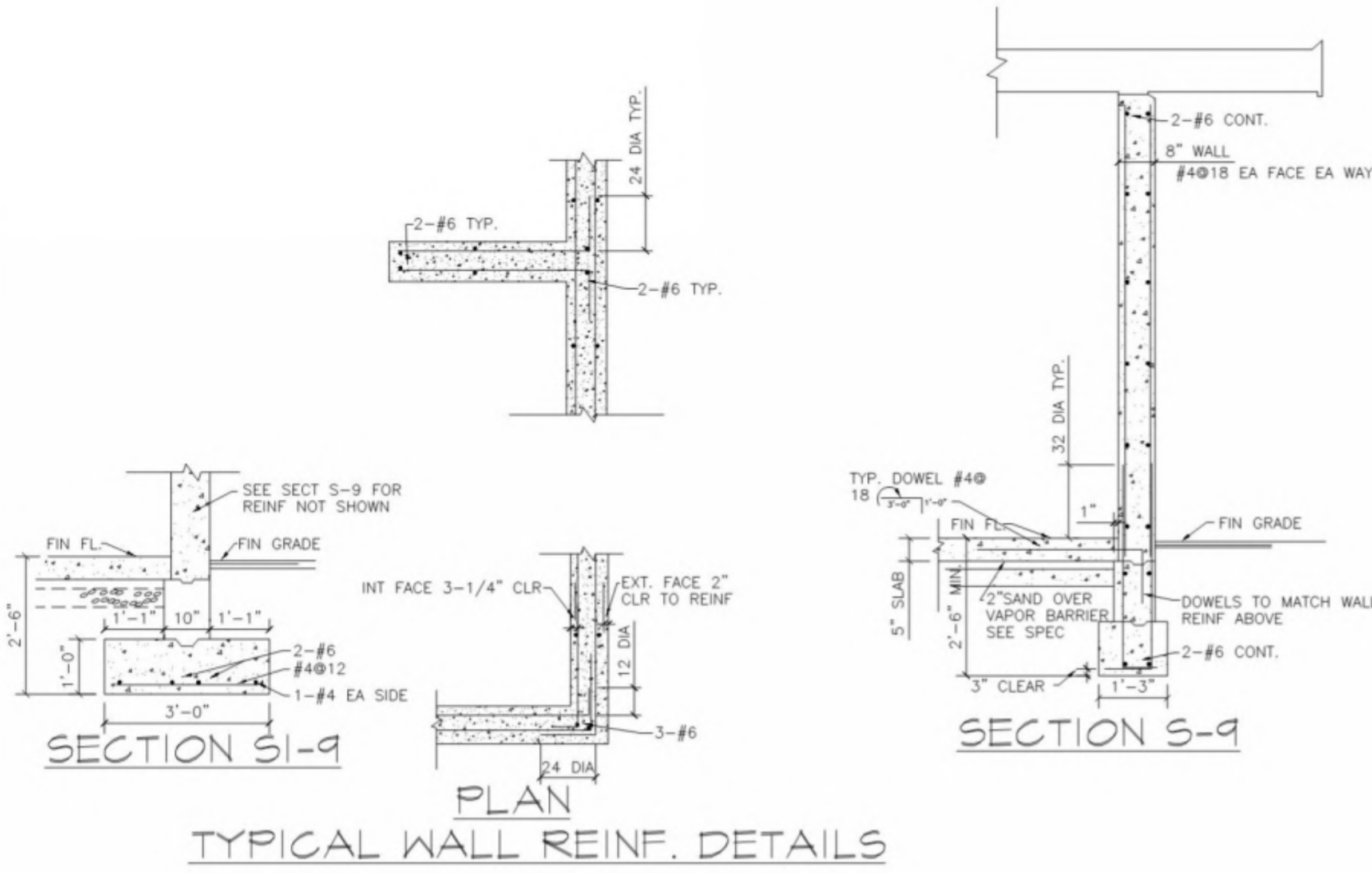
A SECTION 1/2" SCALE

### ROOM FINISH SCHEDULE

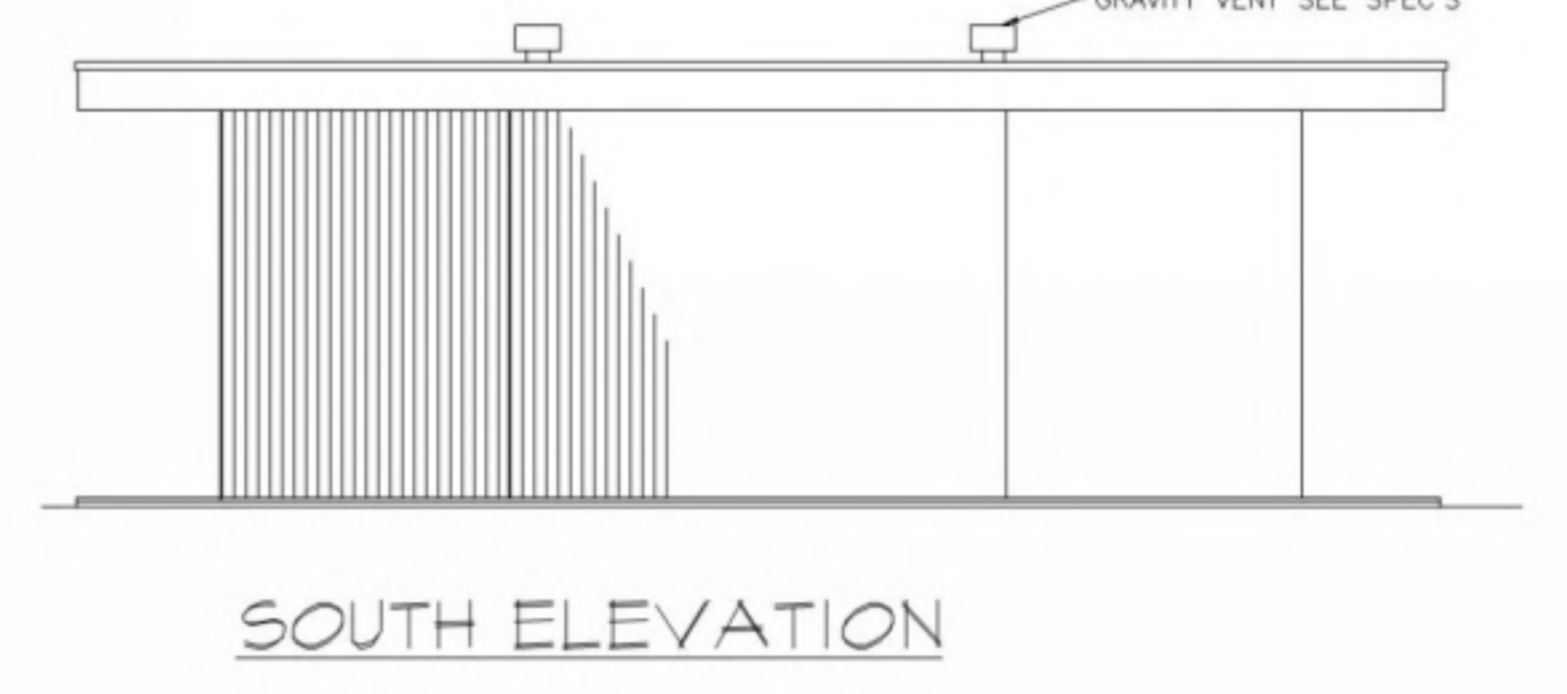
RM NO.	ROOM NAME	FLOOR		BASE		WALLS		TRIM		CEILING		HT	REMARKS
		MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN	MAT	FIN		
1	JAN & STOR. RM	CONC				CONC	EN	MET	EN	PLAS	EN	8'-0"	SEE PLAN FOR LIMIT
2	WOMENS TOILET	CONC		CERT.		CONC	EN	MET	EN	PLAS	EN	8'-0"	SEE PLAN FOR LIMIT
3	MENS TOILET	CONC		CERT.		CONC	EN	MET	EN	PLAS	EN	8'-0"	SEE PLAN FOR LIMIT

### EXTERIOR DOOR SCHEDULE

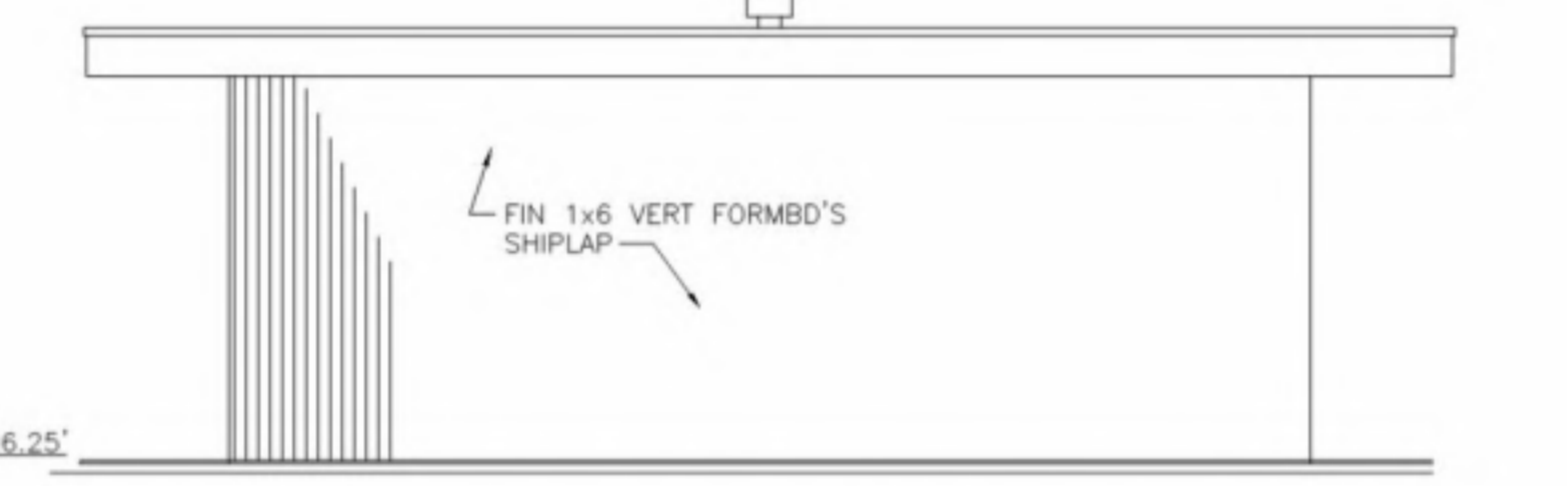
NO.	DESCRIPTION
1	3'-1 1/2" x 7'-10" LOUVER BR.
2	PR. 3'-0" x 7'-10" FLUSH PANEL SOLID CORE DOOR



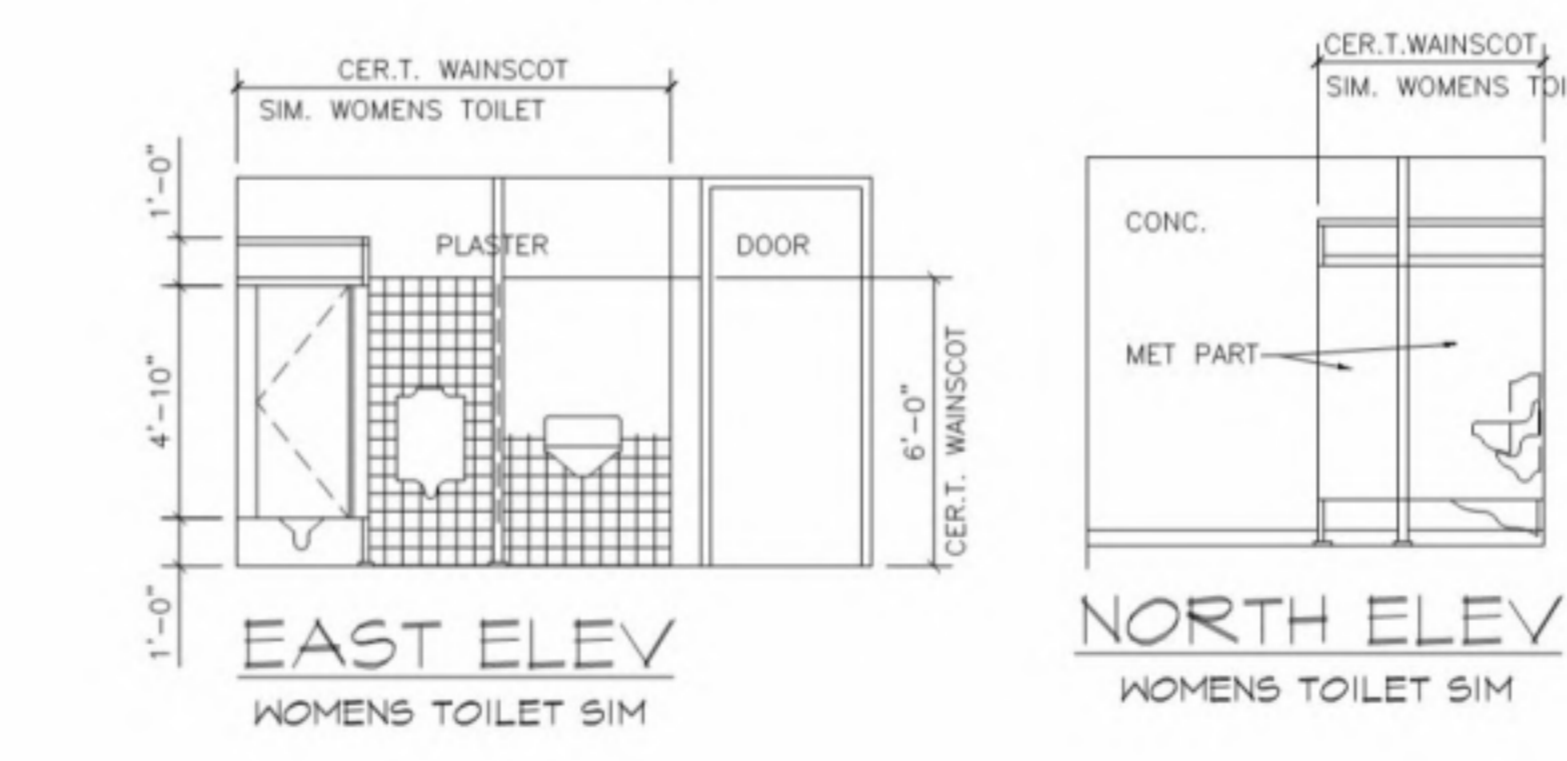
TYPICAL WALL REINF. DETAILS



SOUTH ELEVATION

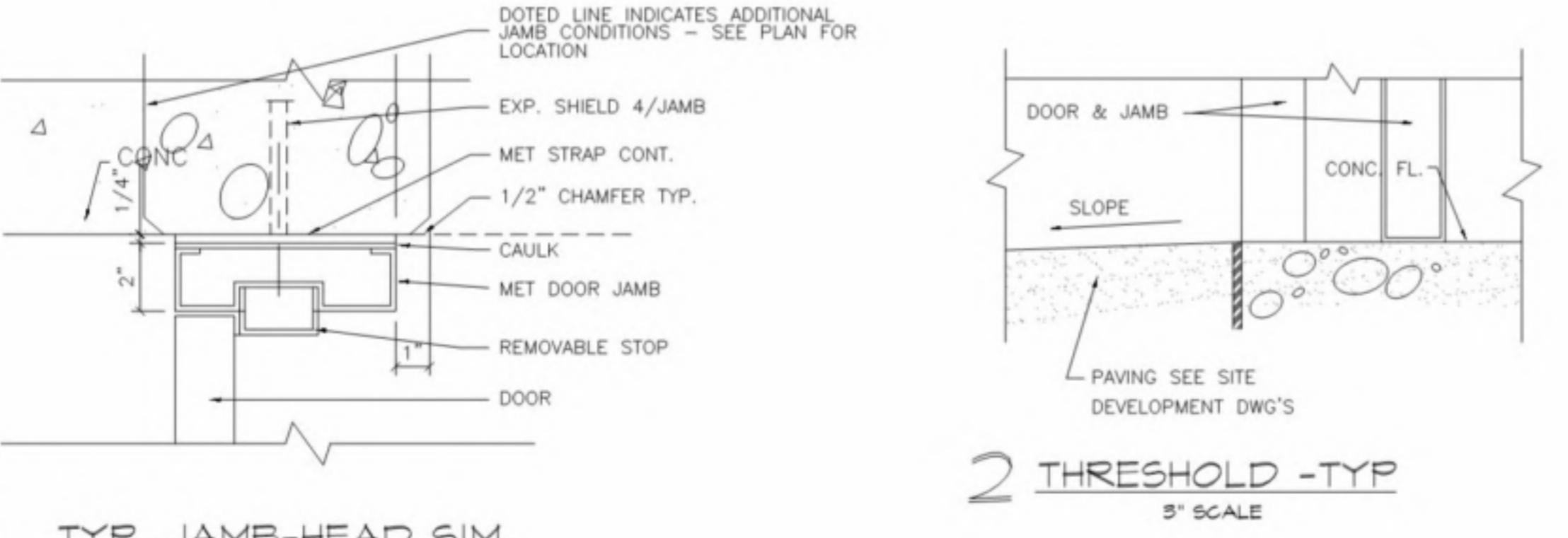


EAST ELEVATION 1/4" SCALE

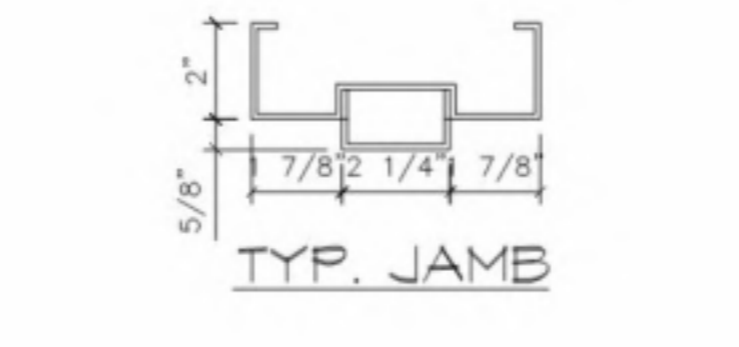


EAST ELEV WOMENS TOILET SIM

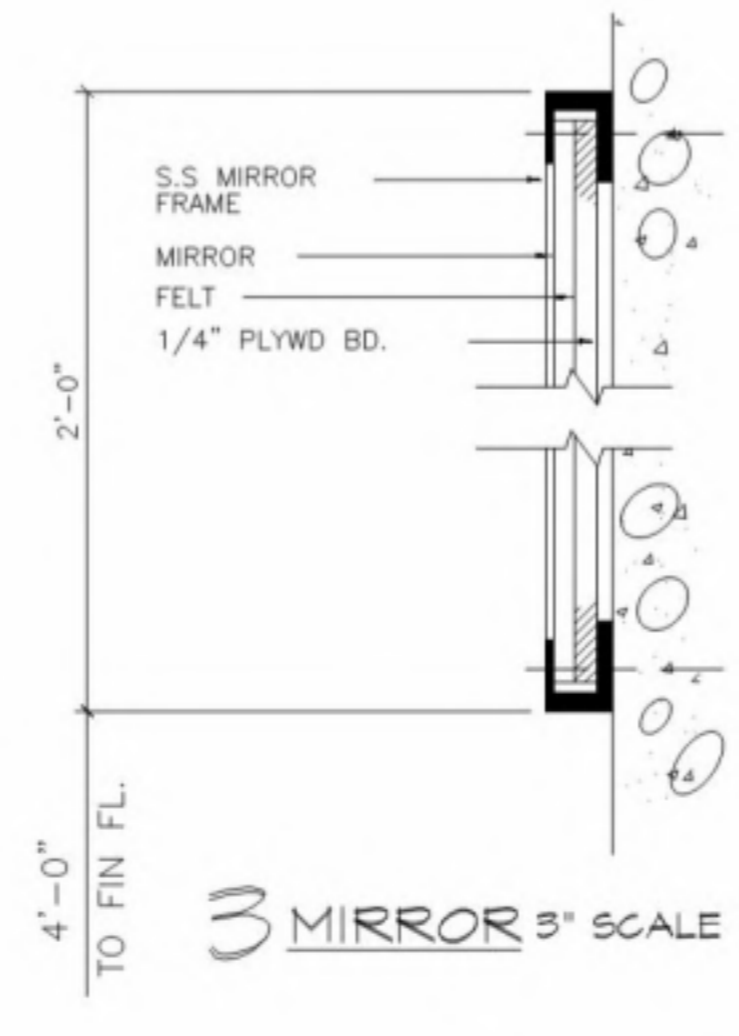
NORTH ELEV WOMENS TOILET SIM



TYP. JAMB-HEAD SIM 3" SCALE



TYP. JAMB 3" SCALE



3 MIRROR 3" SCALE



NORTH ELEVATION 1/4" SCALE

### GENERAL NOTES

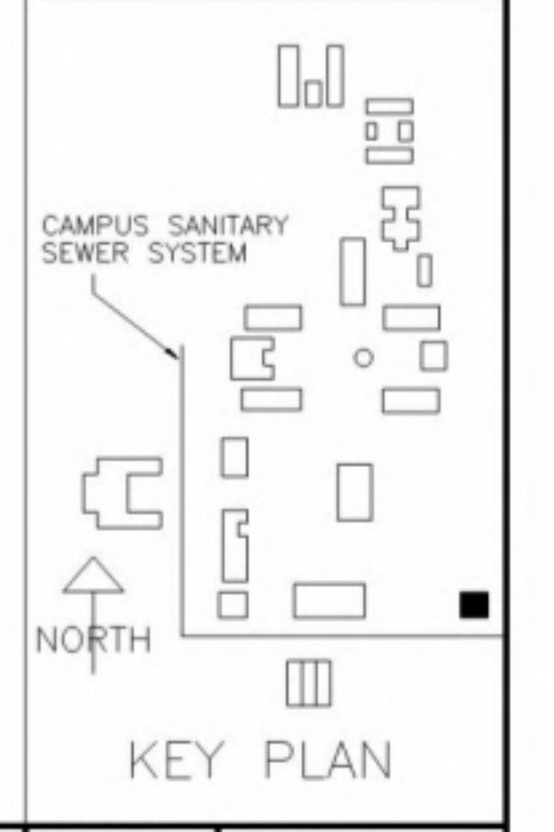
- DATUM**  
REFER TO ARCHITECTURAL DWG'S TITLED "SEE GRADING AND STORM DRAINAGE"
- DESIGN**  
DESIGN ACCORD WITH CALIFORNIA ADMINISTRATIVE CODE, TITLE 21  
 ROOF LIVE LOAD 20 PSF  
 WIND LIVE LOAD 15 PSF  
 SEISMIC SEE TITLE 21  
 ALLOWABLE SOIL PRESSURE 8,000 PSF  
 DEAD LOAD ONLY 10,000 PSF  
 TOTAL D.L. + L.L.
- FOUNDATIONS**  
ALL FOUNDATION SHALL EXTEND AT LEAST TO FRACTURED SHALES AND SAND STONES DESCRIBED IN "SOILS AND FOUNDATION INVESTIGATION, PROPOSED COLLEGE HEIGHTS CAMPUS" PREPARED BY GAMES AND MOORE, SOIL MECHANICS ENGINEERS, MAY 27, 1957
- CONCRETE**  
POURED IN PLACE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT THE AGE OF 28 DAYS
- REINFORCEMENT**  
ALL REINFORCEMENT STEEL SHALL BE INTERMEDIATE GRADE BILLET STEEL (FS=20,000 PSI) DEFORMED BARS ALL BARS SHALL BE LAPPED 30 DIAMETERS AT SPICE UNLESS OTHERWISE SHOWN
- WOOD**  
ALL WOOD SHALL BE DOUGLAS FIR CONSTRUCTION GRADE MINIMUM ALLOWABLE EXTREME FIBRE STRESS SHALL BE 1500 PSI CONNECTIONS SHALL BE BY NAILS EXCEPT WHERE TRIP-L-GRIP ARE CALLED FOR ON PLAN
- NAILING SCHEDULE**
- |  |                             |
|--|-----------------------------|
| ROOF SHEATHING 1x6 (COMPLY W/SECTION 608C, TITLE 21) | 2-8D NAILS                  |
| TO EACH JOIST & BEARING                              | 2-8D NAILS                  |
| TO ALL END BEARINGS                                  | 2-16D NAILS                 |
| JOIST TO SILL PLATE - TOE NAIL                       | 2-16D NAILS                 |
| OUTLOOKERS TO JOISTS                                 | 2-16D NAILS                 |
| MULTIPLE PEECE JOISTS-SPIKE TOGETHER                 | 16D NAILS @ 12" O.C.        |
| BLOCKING TO PLATE                                    | 1-TECO ANGLE GRIP PER BLOCK |

### PLUMBING CONNECTION SCHEDULE

FIXTURE	SYMBOL	WATER	VENT	C.W.
WATER CLOSET	P-1	4"	2"	1-1/4"
URINAL	P-2	2"	1-1/2"	1"
LAVATORY	P-3	1-1/2"	1-1/2"	1/2"
SERVICE SINK	P-5A	3"	1-1/2"	3/4"

### PLUMBING LEGEND

SYMBOL	DESCRIPTION
	SANITARY SEWER
	SANITARY VENT
	COLD WATER
	VENT RISER-VENT THRU ROOF
	FLOOR CLEANOUT
	ROOF DRAIN
	FLOOR DRAIN
	RAINWATER LEADER
	HOSE BIBB
	DOWN
	COLD WATER



KEY PLAN

GEORGE W. HUTCHINSON  
DIRECTOR OF BUILDING CONSTRUCTION  
SAN MATEO JUNIOR COLLEGE DISTRICT

JULIO L. BORTOLAZZO  
SUPERINTENDENT  
JOHN CARL WARNECKE, ARCHITECT

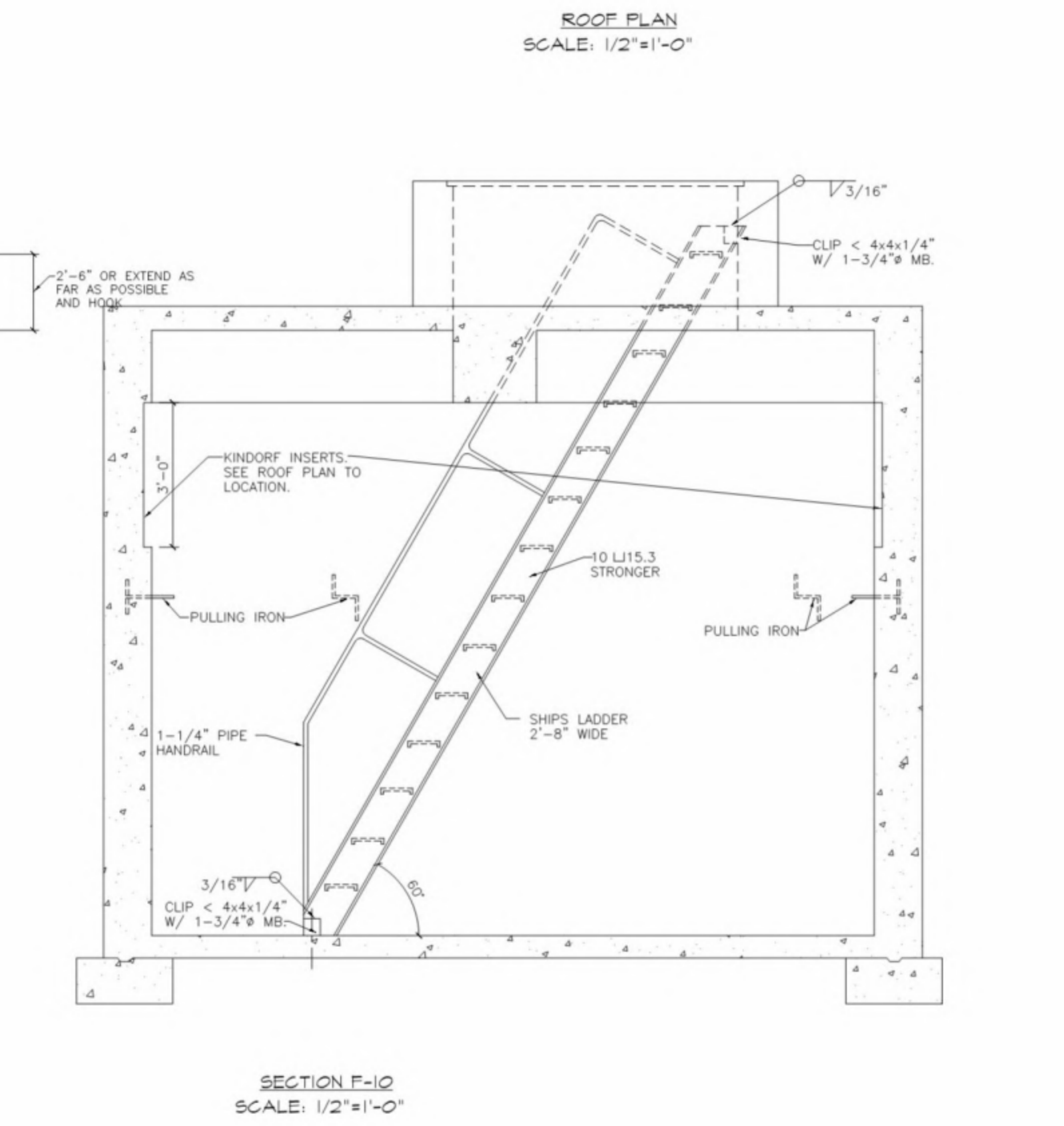
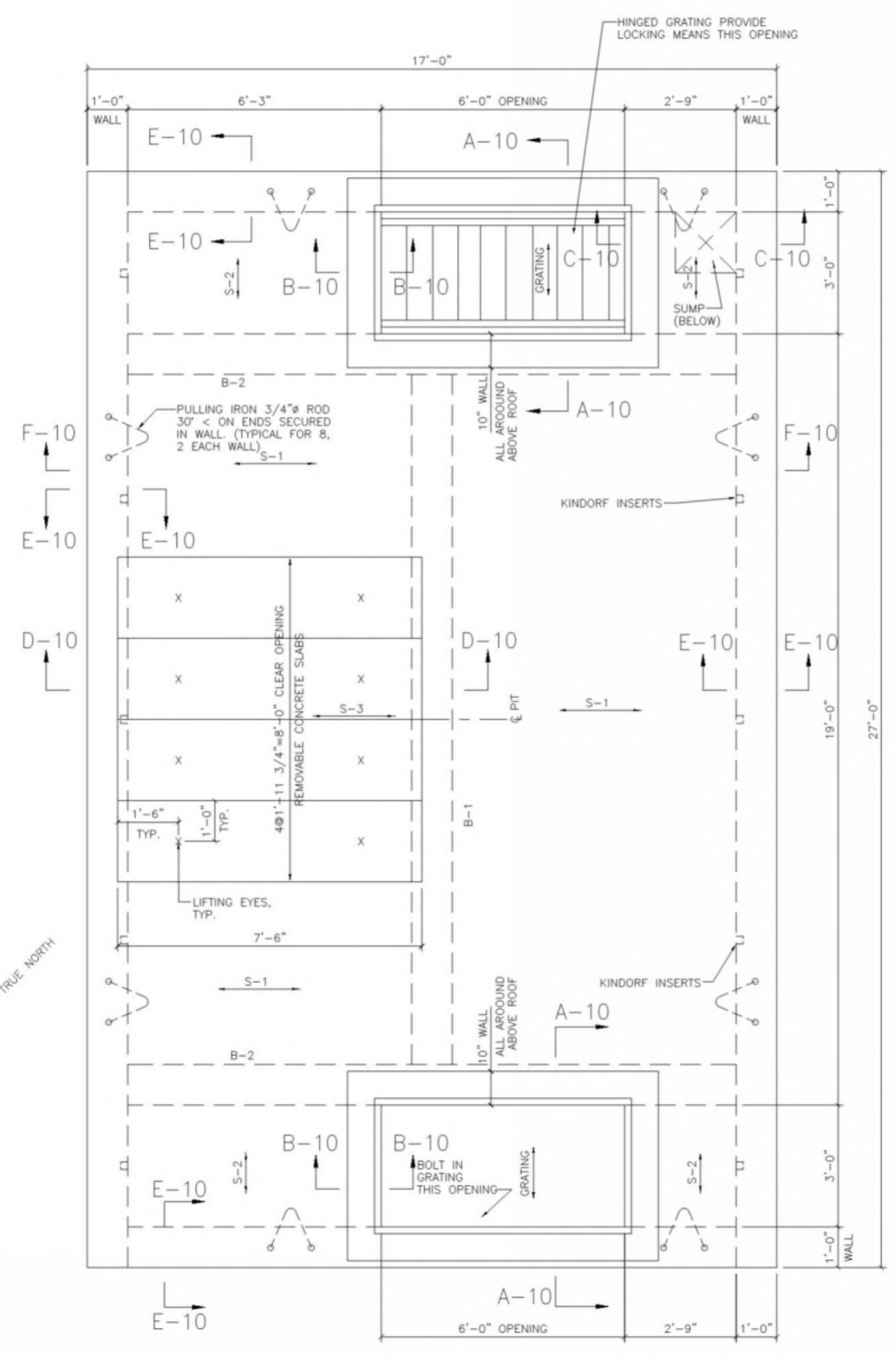
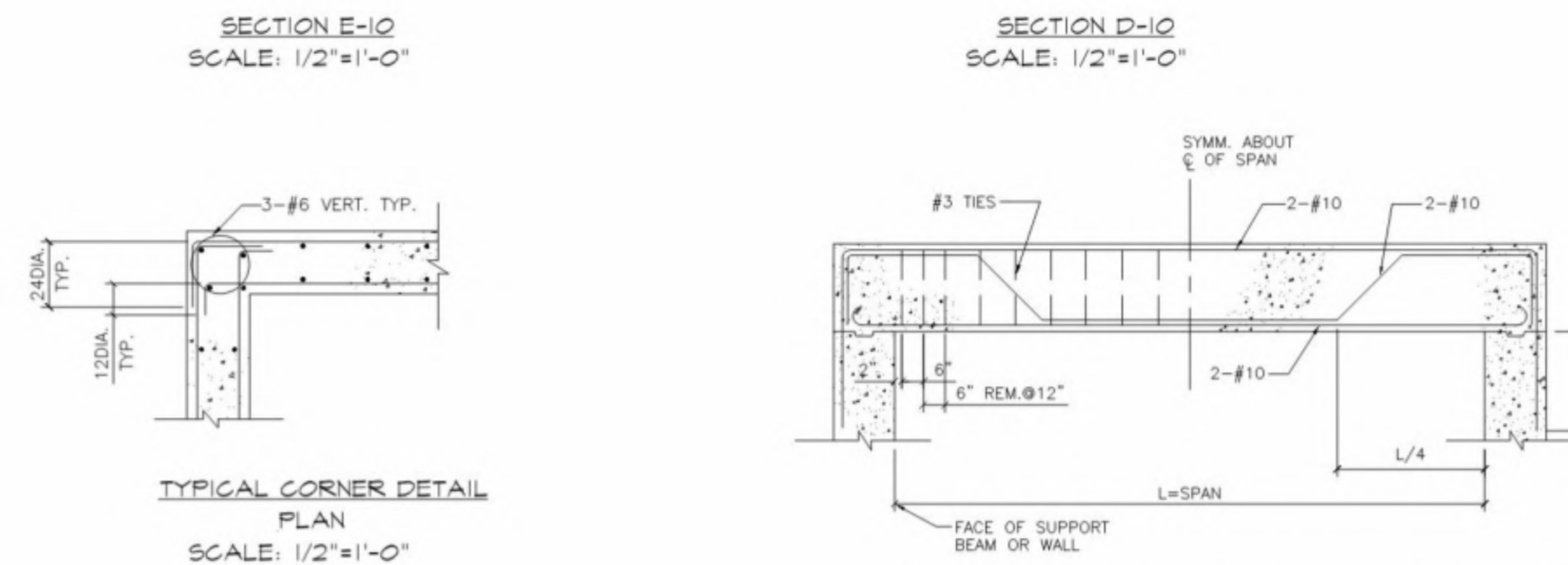
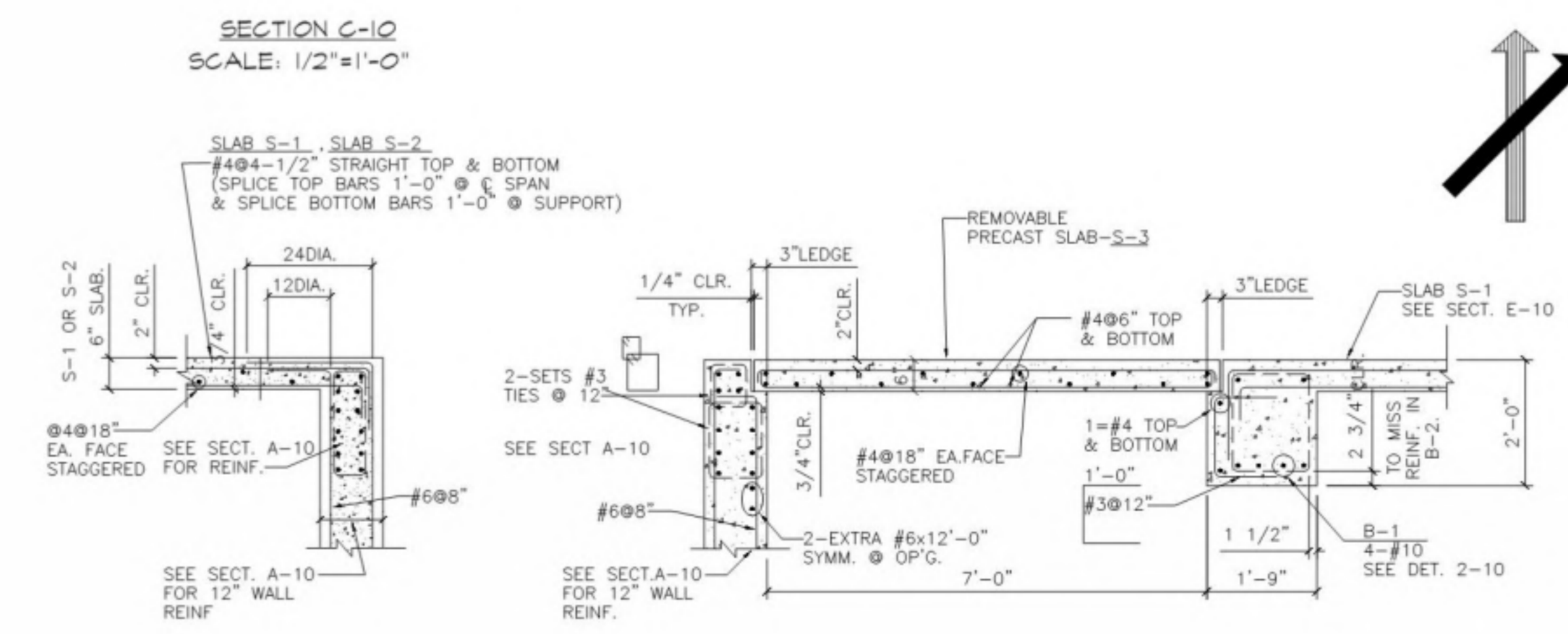
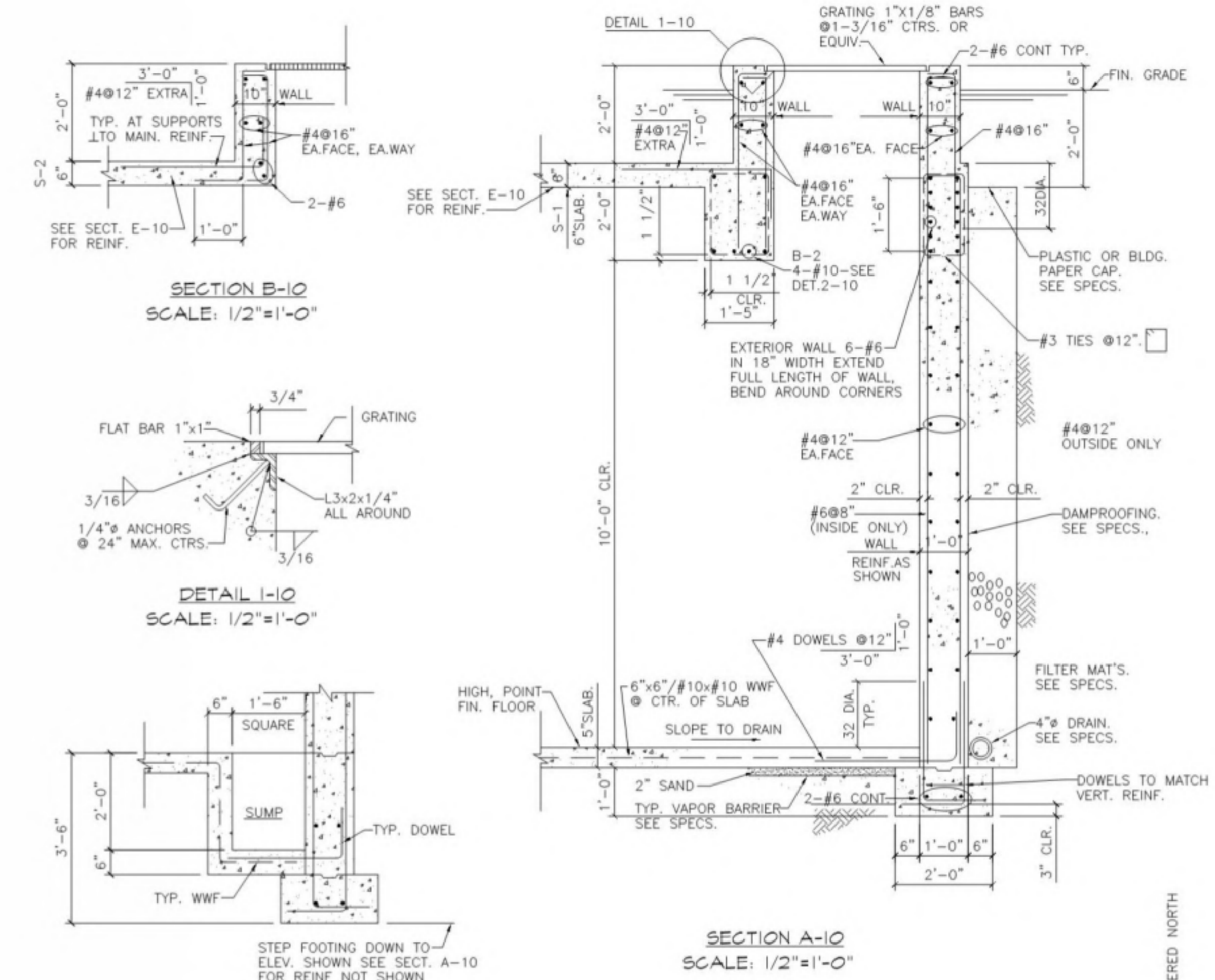
JOHN A. BLUME & ASSOC. ENGINEERS  
STRUCTURAL ENGINEERS  
KELLER & GANNON  
MECHANICAL & ELECTRICAL ENGINEERS  
ROYSTON HANAMOTO AND MATYES  
LANDSCAPE ARCHITECTS

**JOHN CARL WARNECKE**  
A.I.A. ARCHITECT  
111 NEW MONTGOMERY ST. • SAN FRANCISCO

JOB NO. 5427-J  
DATE 1 DEC, 1960  
DRAWN BY R.J.R.

**COLLEGE OF SAN MATEO**  
COLLEGE HEIGHTS CAMPUS  
SAN MATEO, CALIF.

TOILET BUILDING  
ARCH. PLAN, EXT. & INT. ELEV. SECT'S & DET'S RM. & DR. FIN. SCHED.  
STRUCT. FOUNDATION PLAN & SECT. PLUMBING & ELEC PLAN & SCHED.



**GENERAL NOTES**

**DATUM**  
REFER TO ARCHITECTURAL DRAWINGS ENTITLED "SITE GRADING AND STORM DRAINAGE"

**DESIGN**  
DESIGN IS IN ACCORDANCE WITH CALIFORNIA ADMINISTRATIVE CODE TITLE 21.  
ROOF LIVE LOAD 100 PSF.

FOUNDATIONS CAN BE EITHER ENTIRELY ON ROCK OR ON ENGINEERED FILL, BUT NOT A COMBINATION.

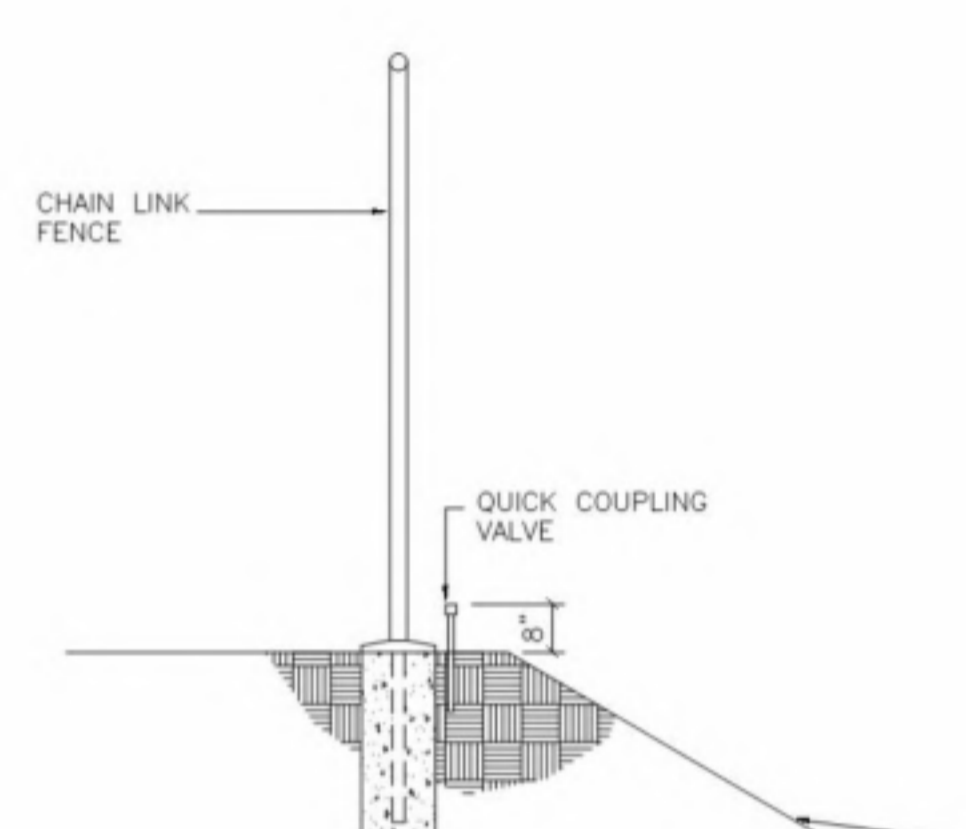
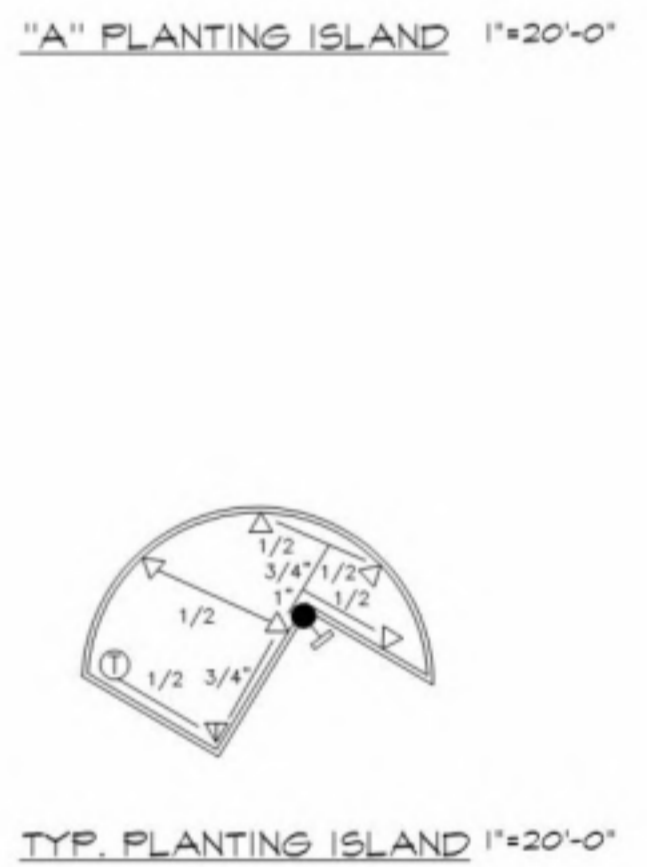
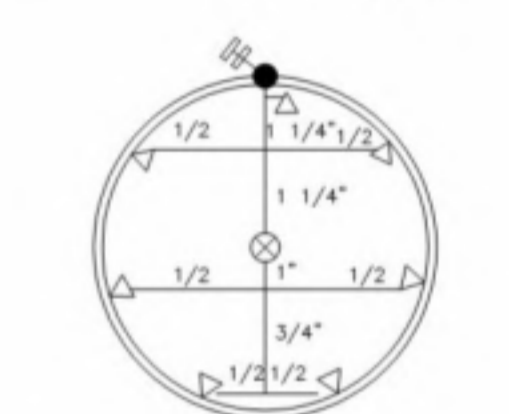
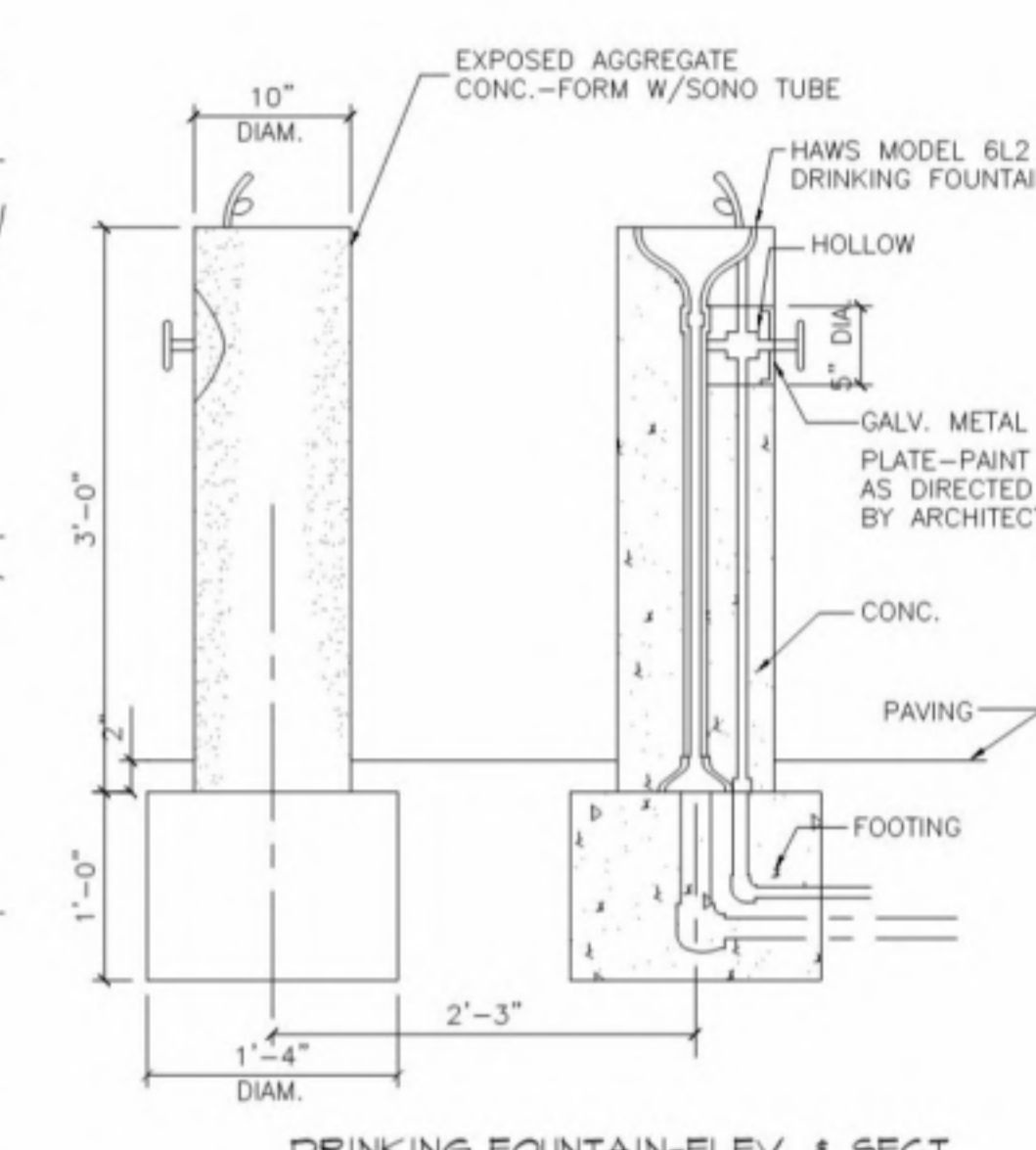
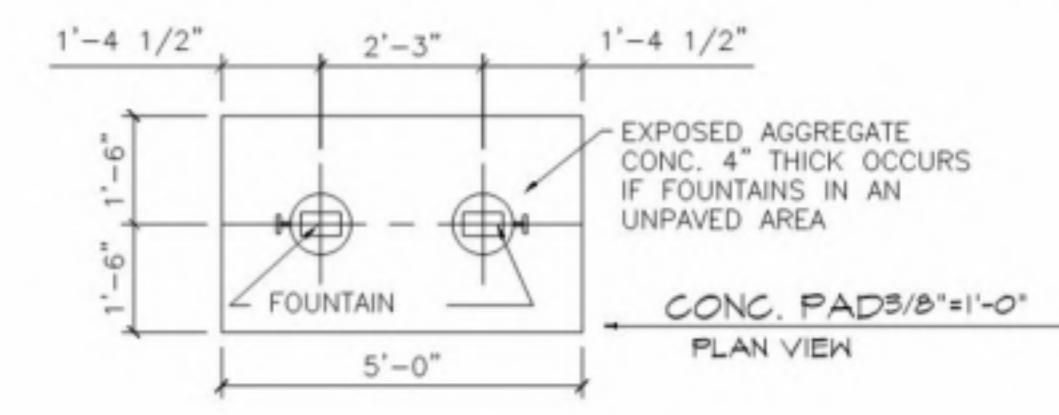
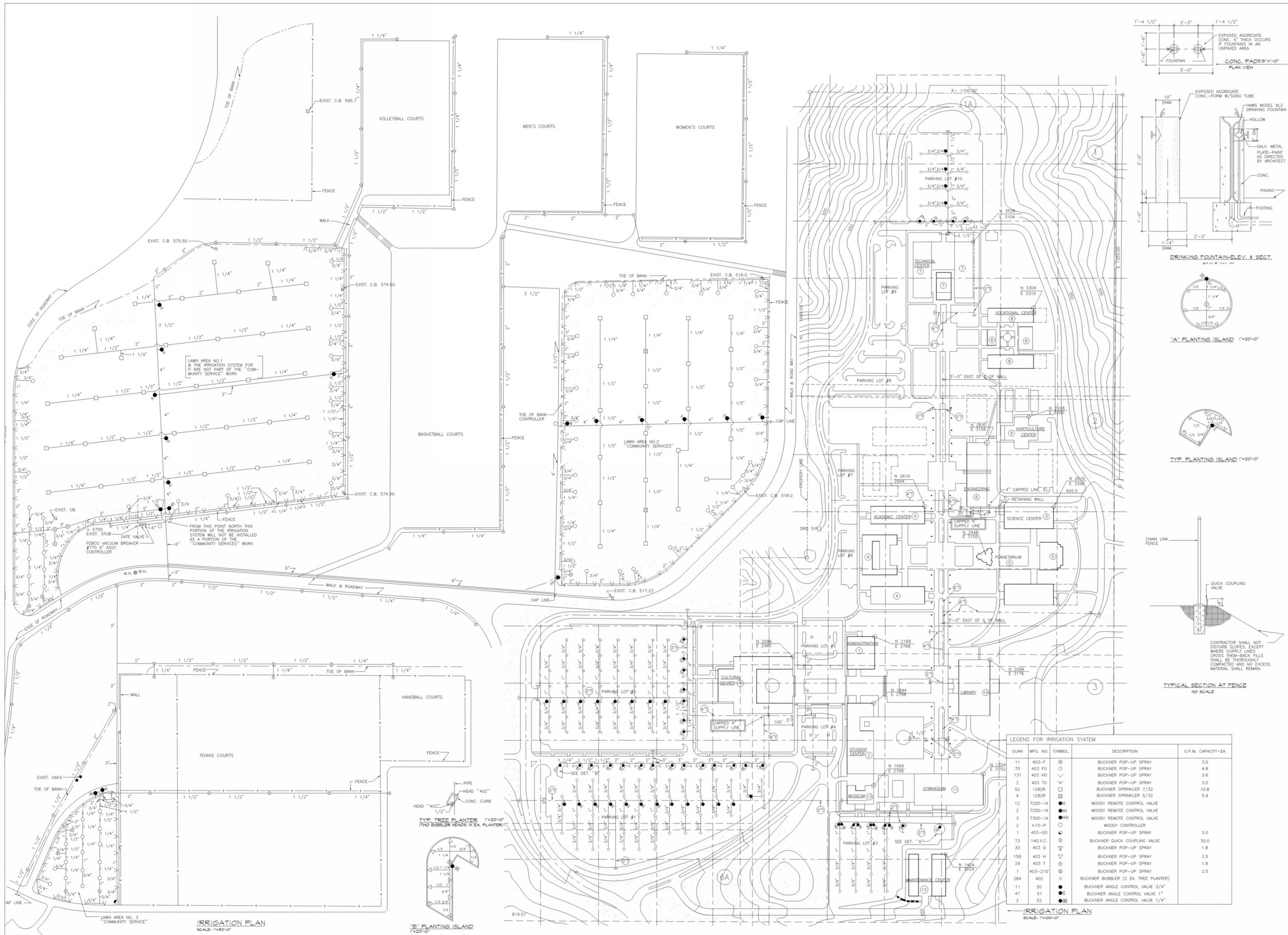
**ON ROCK**  
ALLOW SOIL PRESSURE  
DEAD LOAD ONLY 8000 PSF.  
TOTAL (DL+LL) 10000 PSF.  
ALL FOUNDATIONS SHALL EXTEND 6" INTO THE FRACTURED SHOLES AND SANDSTONE DESCRIBED IN "SOILS AND FOUNDATION INVESTIGATION, PROPOSED COLLEGE HEIGHTS CAMPUS" PREPARED BY DAMES AND MOORE, SOIL MECHANICS ENGINEERS, MAY 27, 1959.

**ON ENGINEERED FILL**  
ALLOWED SOIL PRESSURE ON THE ENGINEERED FILL VARIES WITH FOOTING SIZE AND DEPTH AS SPECIFIED IN SOIL REPORT (SEE ABOVE)

**CONCRETE**  
ALL CONCRETE POURED IN PLACE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI. AT THE AGE OF 28 DAYS.  
PRE-CAST CONCRETE SHALL HAVE A STRENGTH OF 4000 PSI. AT 28 DAYS

**REINFORCEMENT**  
ALL REINFORCING STEEL SHALL BE INTERMEDIATE GRADE BULLET STEEL (F<sub>y</sub>=20,000 PSI) DEFORMED BARS. ALL BARS SHALL BE LAPPED 30 DIAMETERS AT SPLICES UNLESS SHOWN OTHERWISE.  
ALL BARS SHALL EXTEND 30 DIAMETERS THROUGH ALL CONSTRUCTION JOINTS UNLESS SHOWN OTHERWISE.

SUPPORT WALLS LATERALLY UNTIL FLOOR SLAB HAS BEEN POURED & SET.

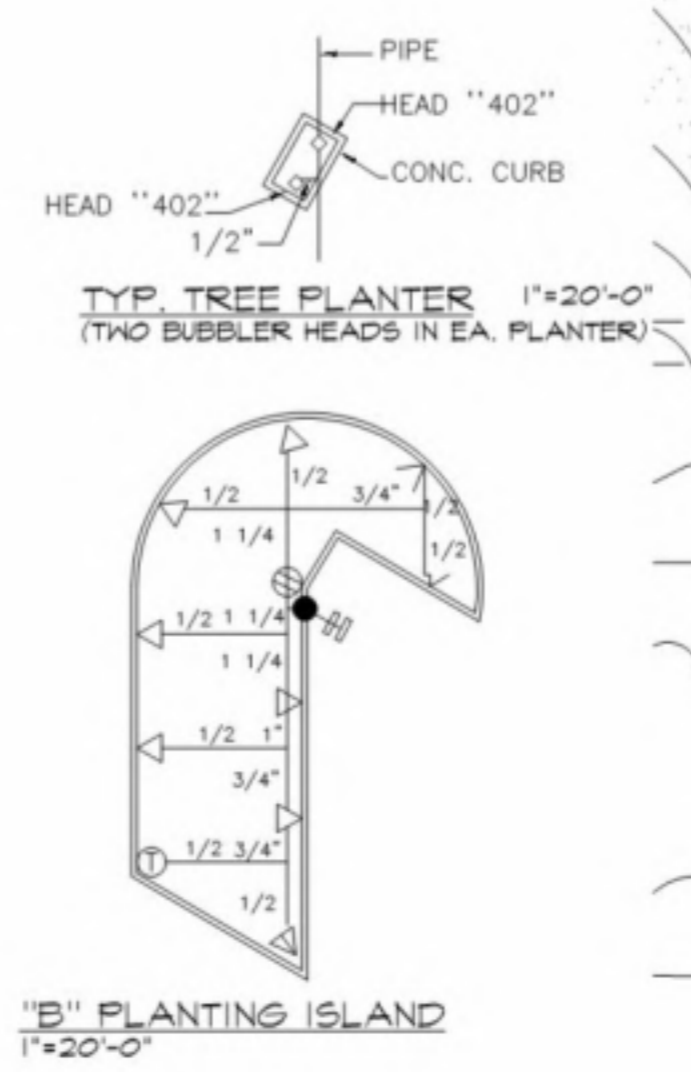


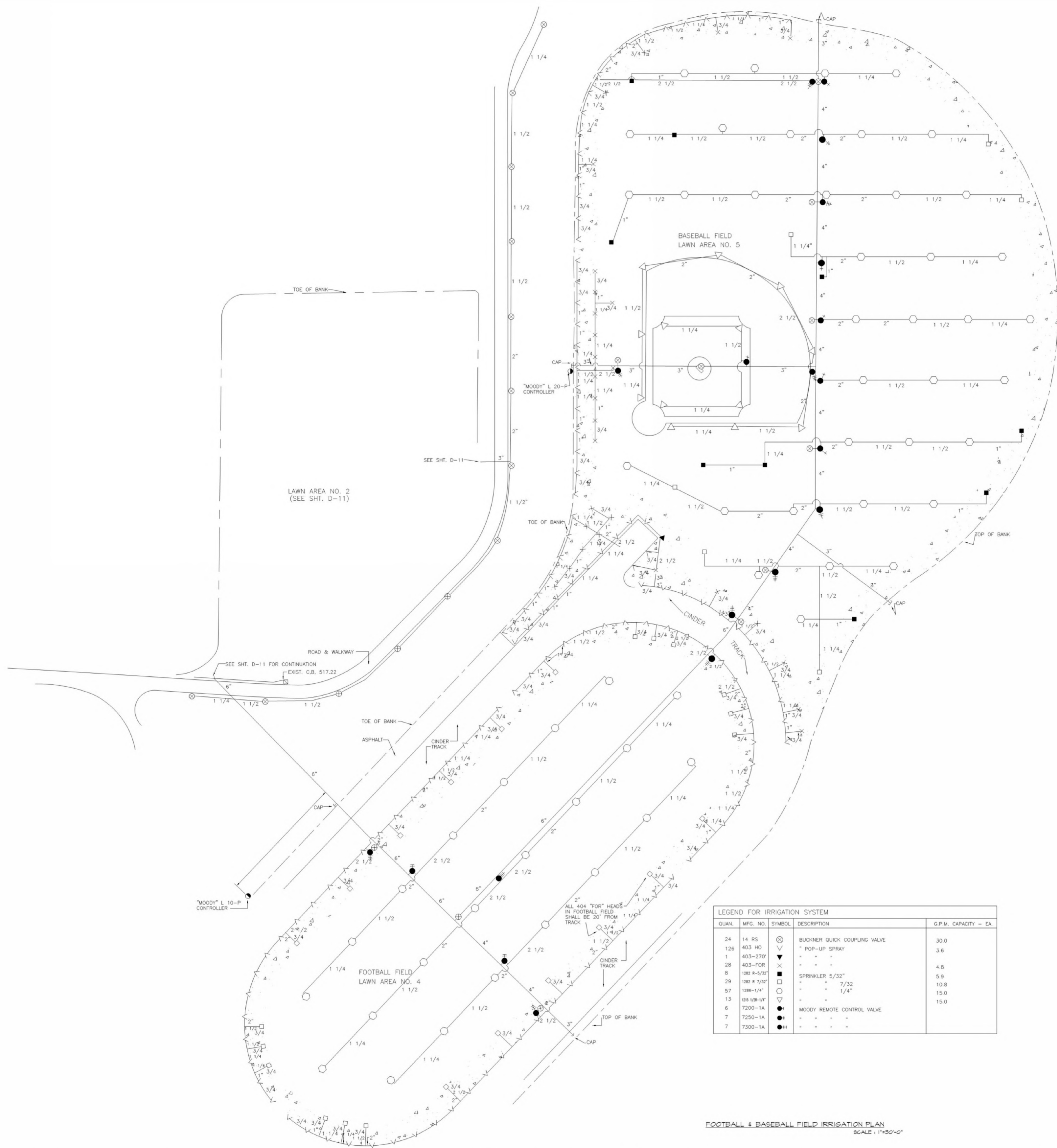
LEGEND FOR IRRIGATION SYSTEM

QUN	MFG. NO.	SYMBOL	DESCRIPTION	G.P.M. CAPACITY-EA
11	403-F	⊙	BUCKNER POP-UP SPRAY	3.0
70	403 FO	○	BUCKNER POP-UP SPRAY	4.8
131	403 HO	∨	BUCKNER POP-UP SPRAY	3.6
2	403 TO	∩	BUCKNER POP-UP SPRAY	3.0
52	1282R	⊠	BUCKNER SPRINKLER 7/32	10.8
4	1282R	⊠	BUCKNER SPRINKLER 5/32	5.9
12	7200-1A	●	MOODY REMOTE CONTROL VALVE	
2	7250-1A	●	MOODY REMOTE CONTROL VALVE	
3	7300-1A	●	MOODY REMOTE CONTROL VALVE	
2	K10-P	○	MOODY CONTROLLER	
1	403-00	○	BUCKNER POP-UP SPRAY	3.0
73	14Q.V.C.	⊕	BUCKNER QUICK COUPLING VALVE	30.0
30	403 O	∇	BUCKNER POP-UP SPRAY	1.8
158	403 H	∇	BUCKNER POP-UP SPRAY	2.5
29	403 T	∇	BUCKNER POP-UP SPRAY	1.8
1	403-210'	∇	BUCKNER POP-UP SPRAY	2.5
284	402	⊙	BUCKNER BUBBLER (2 EA TREE PLANTER)	
11	50	●	BUCKNER ANGLE CONTROL VALVE 3/4"	
47	51	●	BUCKNER ANGLE CONTROL VALVE 1"	
2	52	●	BUCKNER ANGLE CONTROL VALVE 1/4"	

IRRIGATION PLAN  
SCALE: 1"=50'-0"

IRRIGATION PLAN  
SCALE: 1"=100'-0"

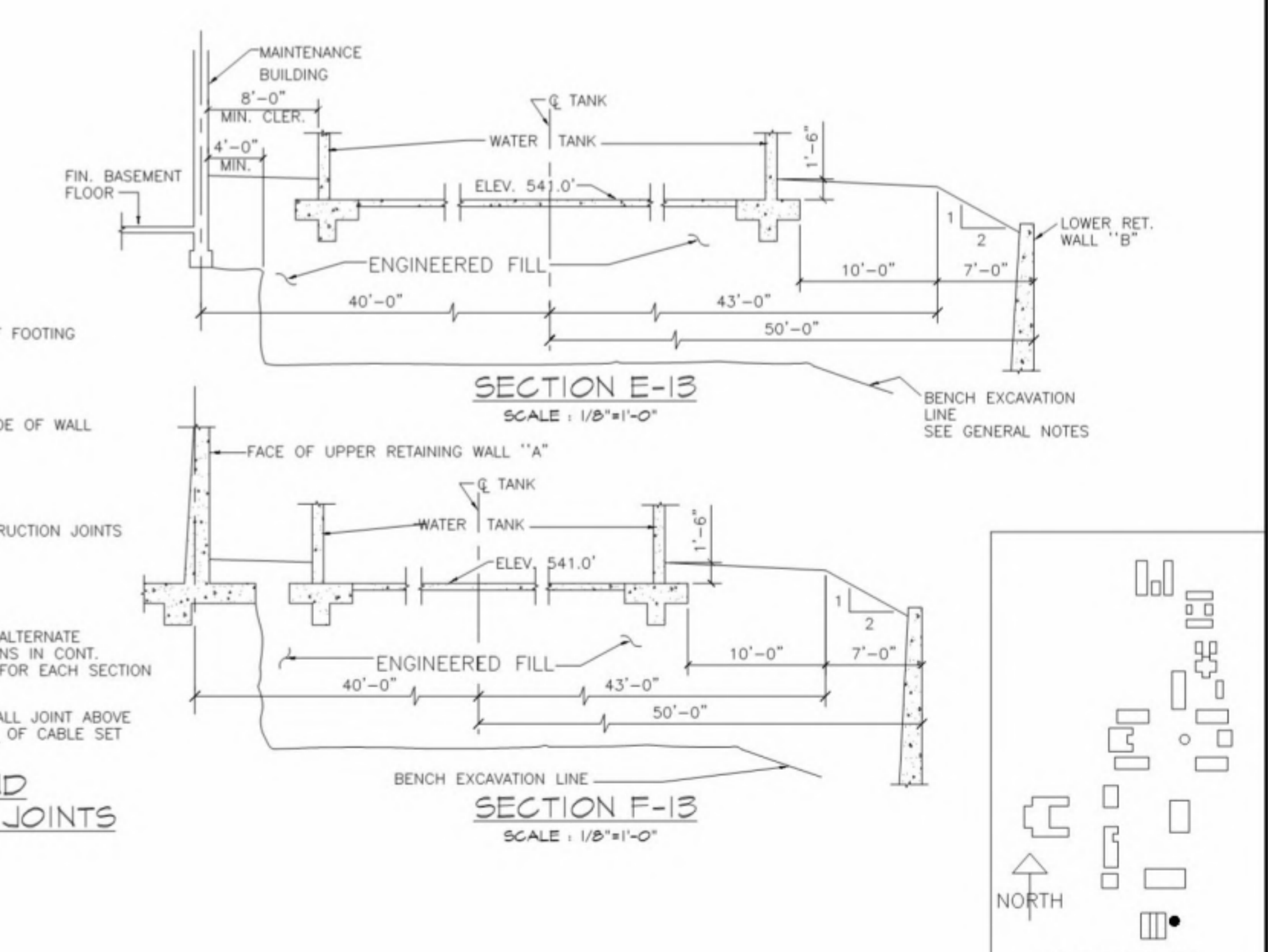
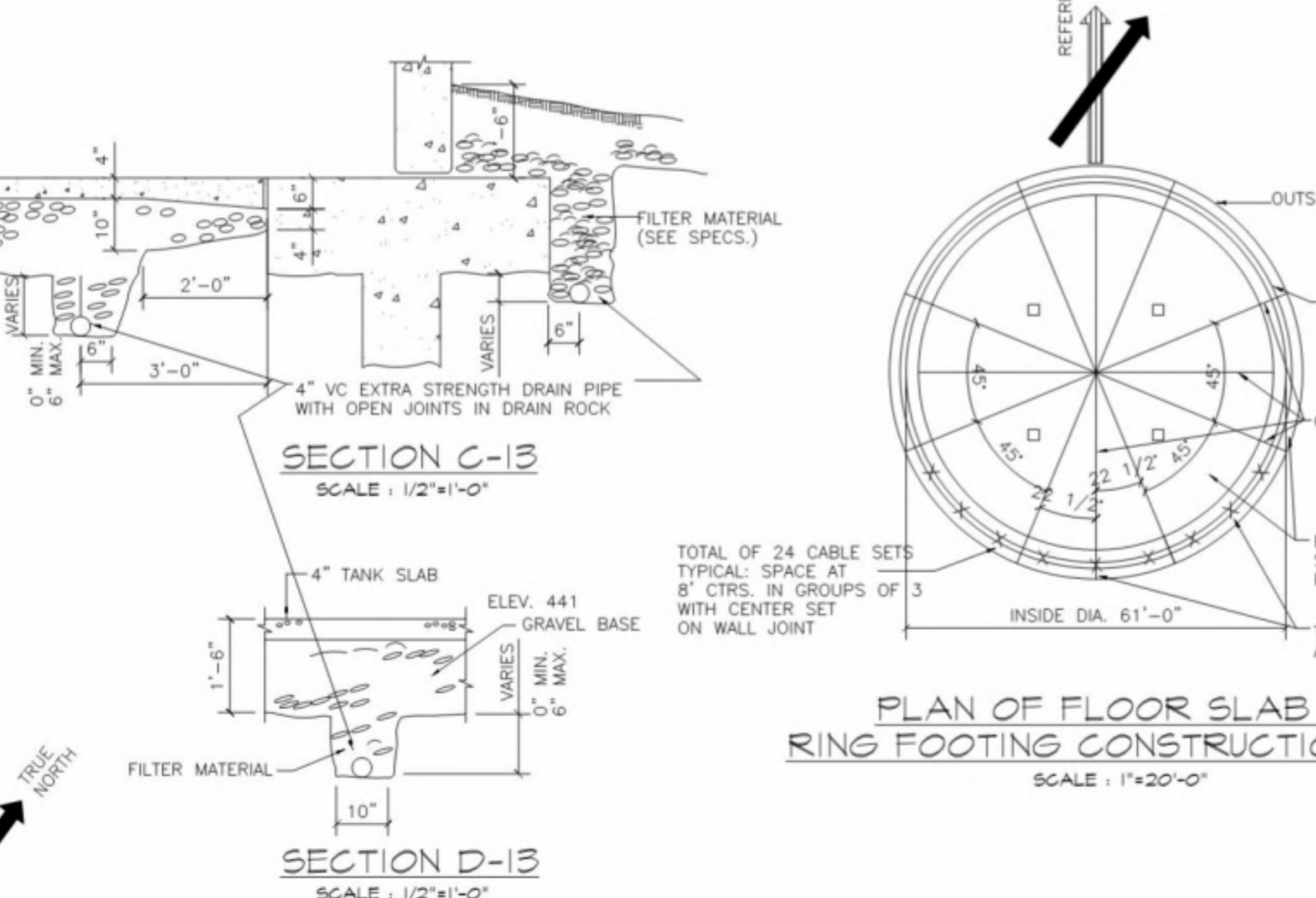
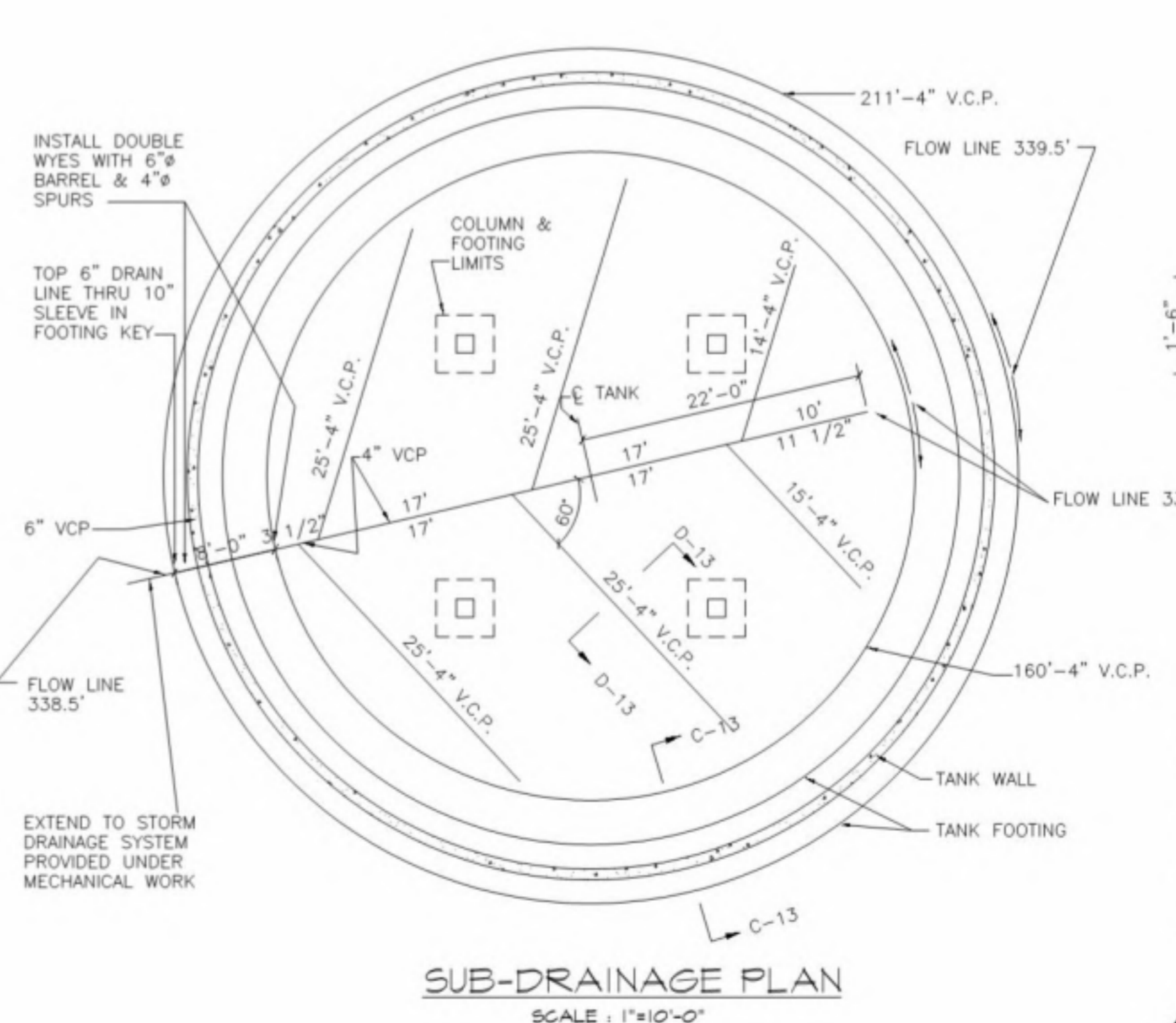
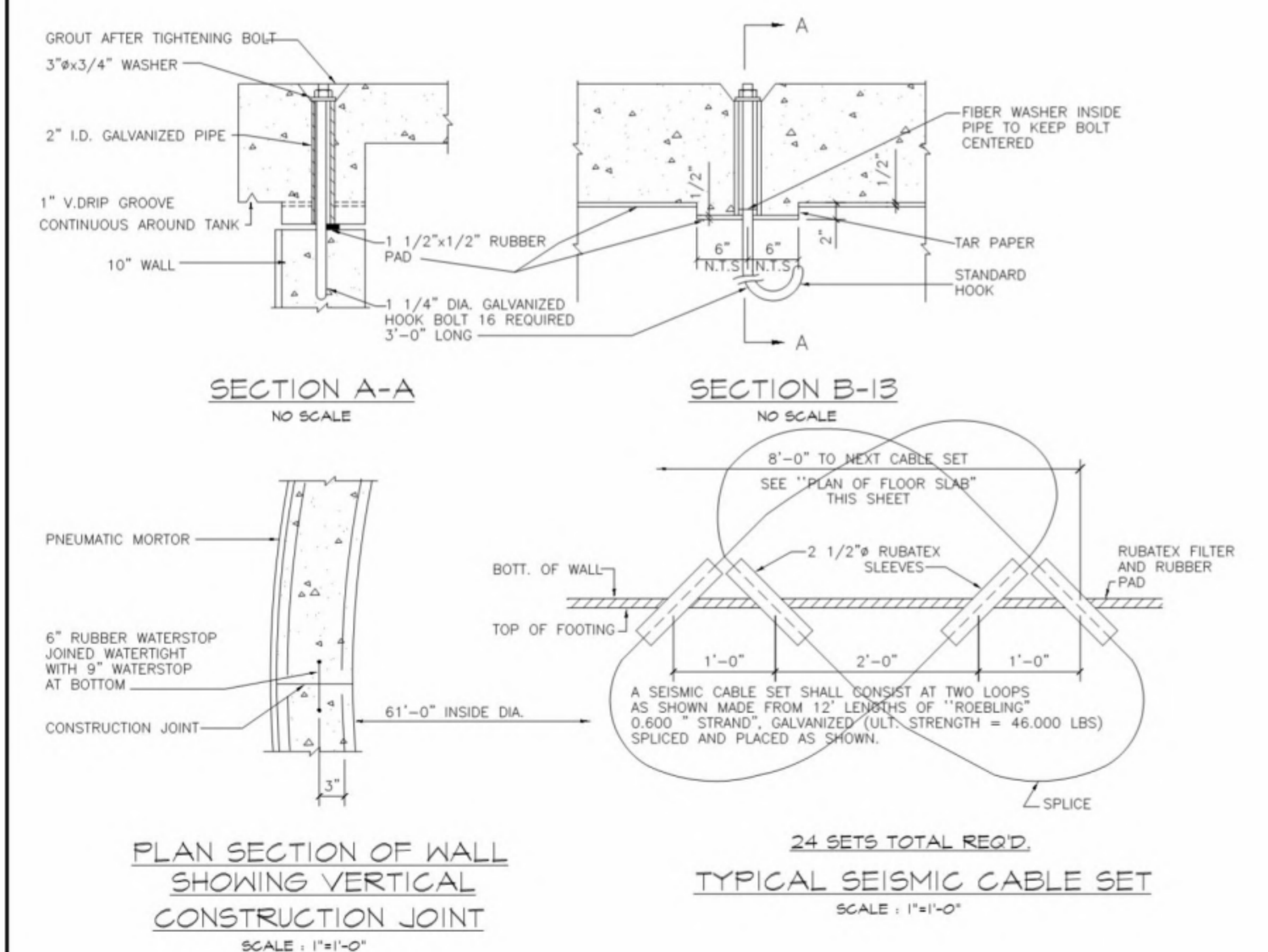
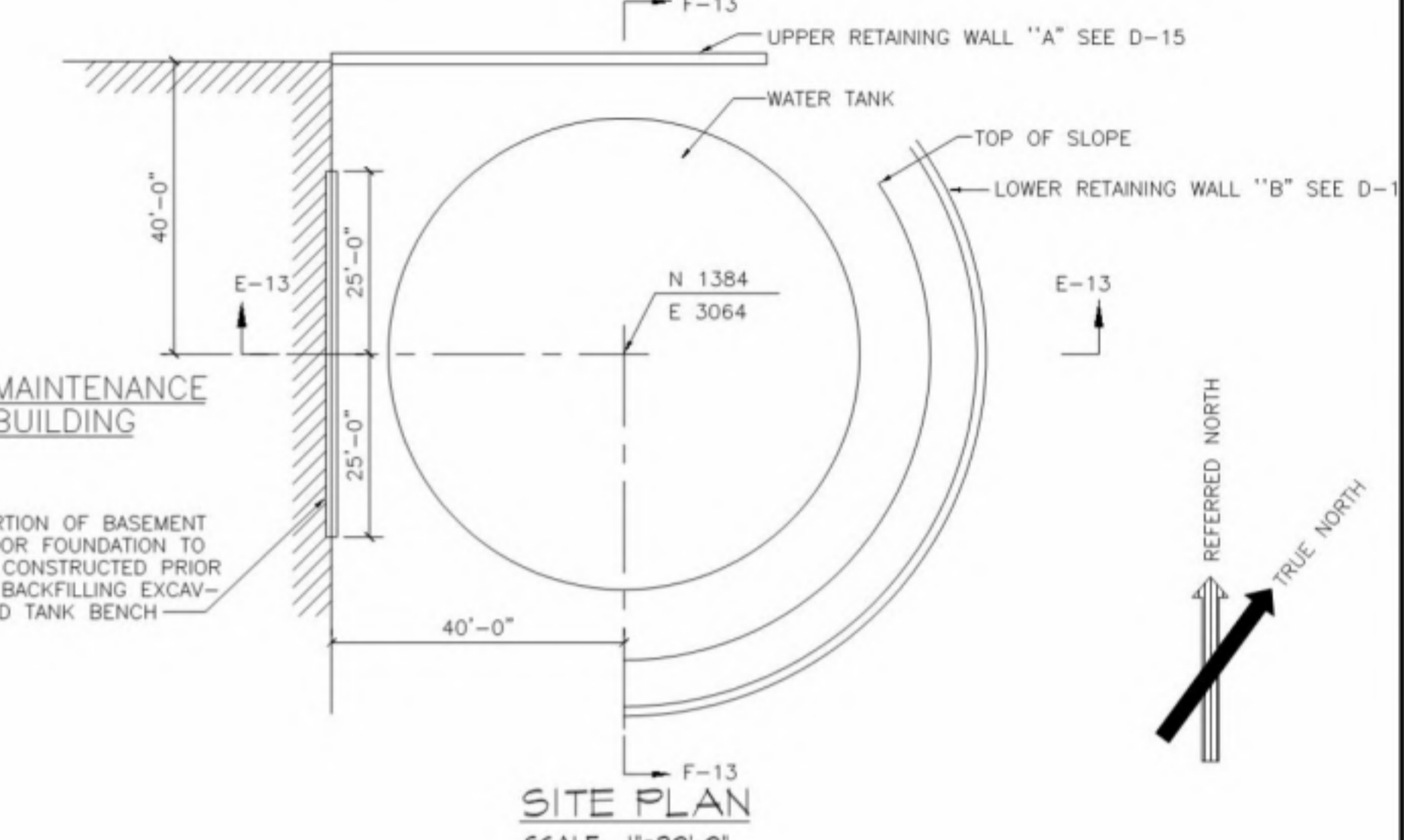
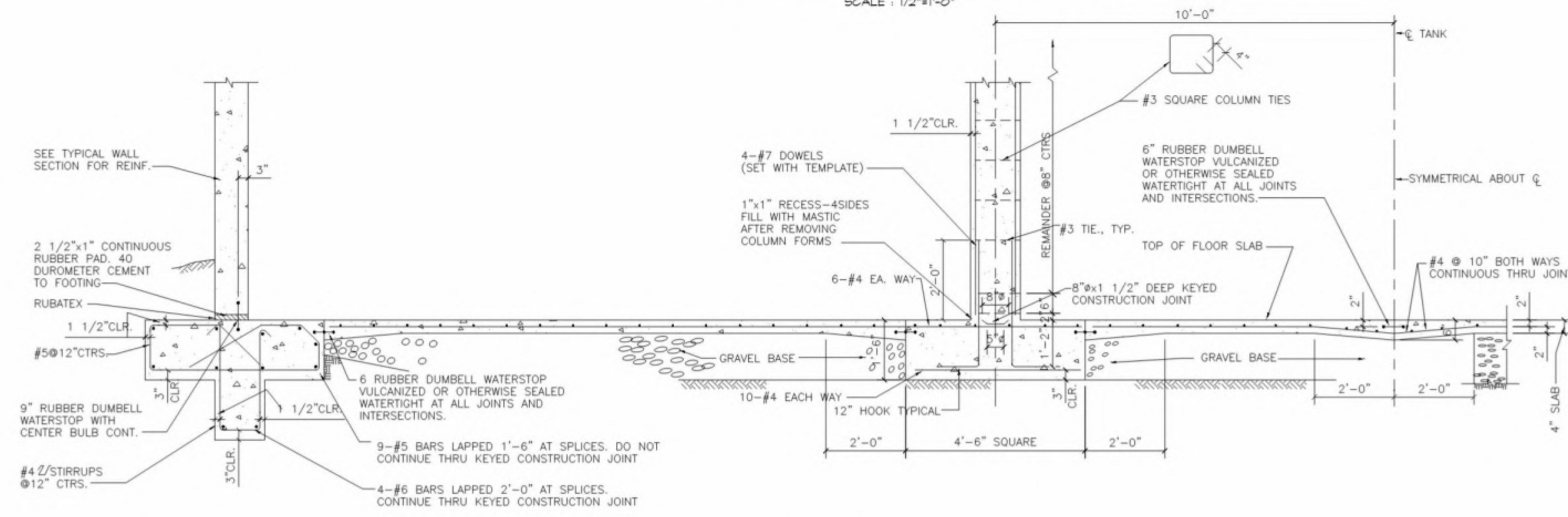
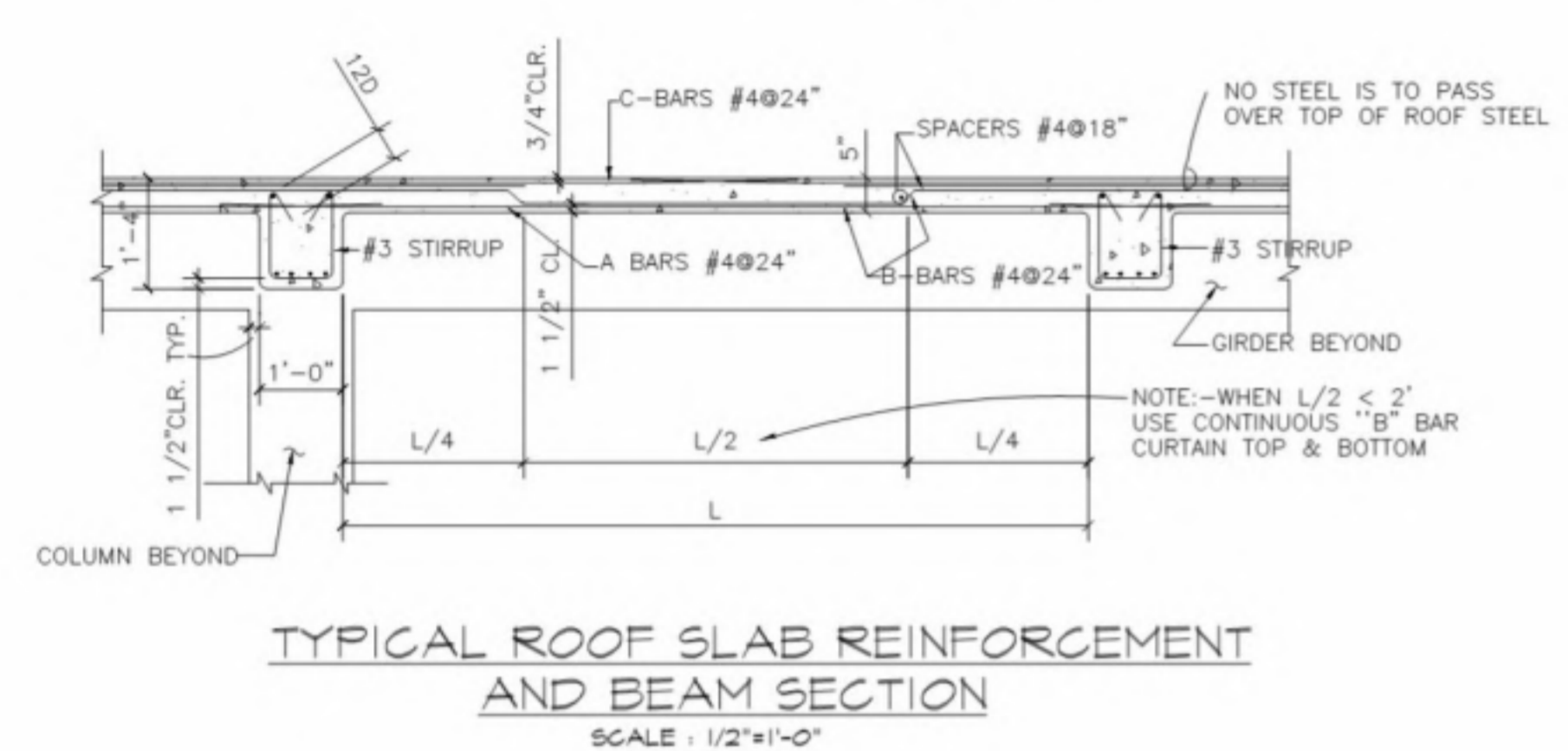
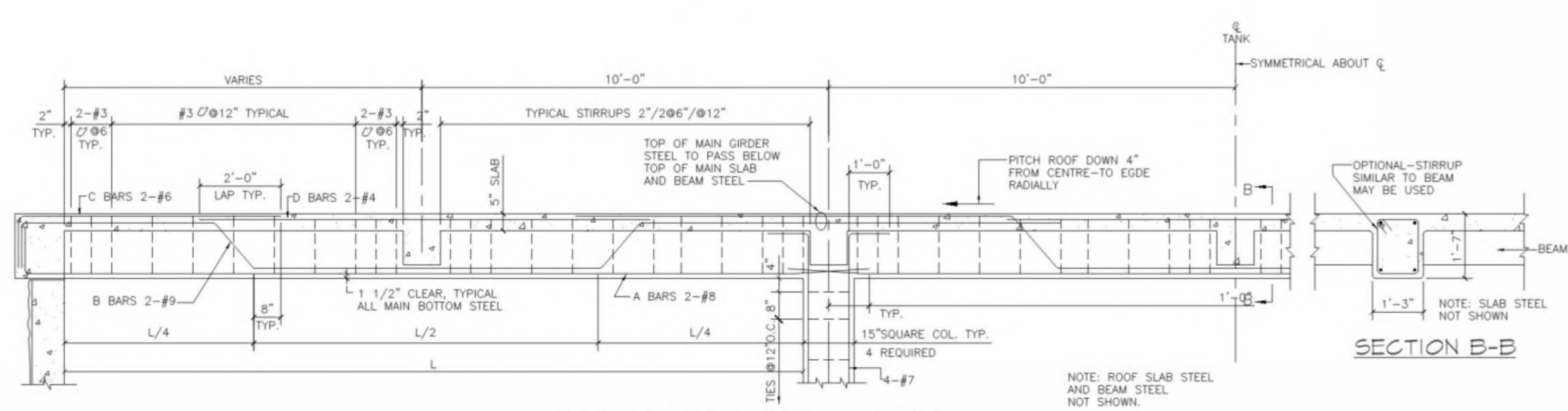
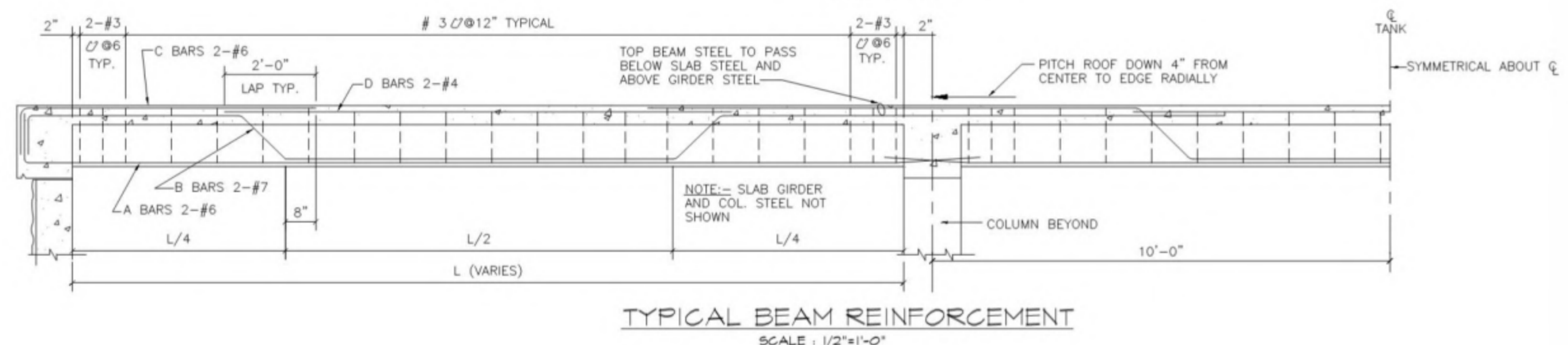
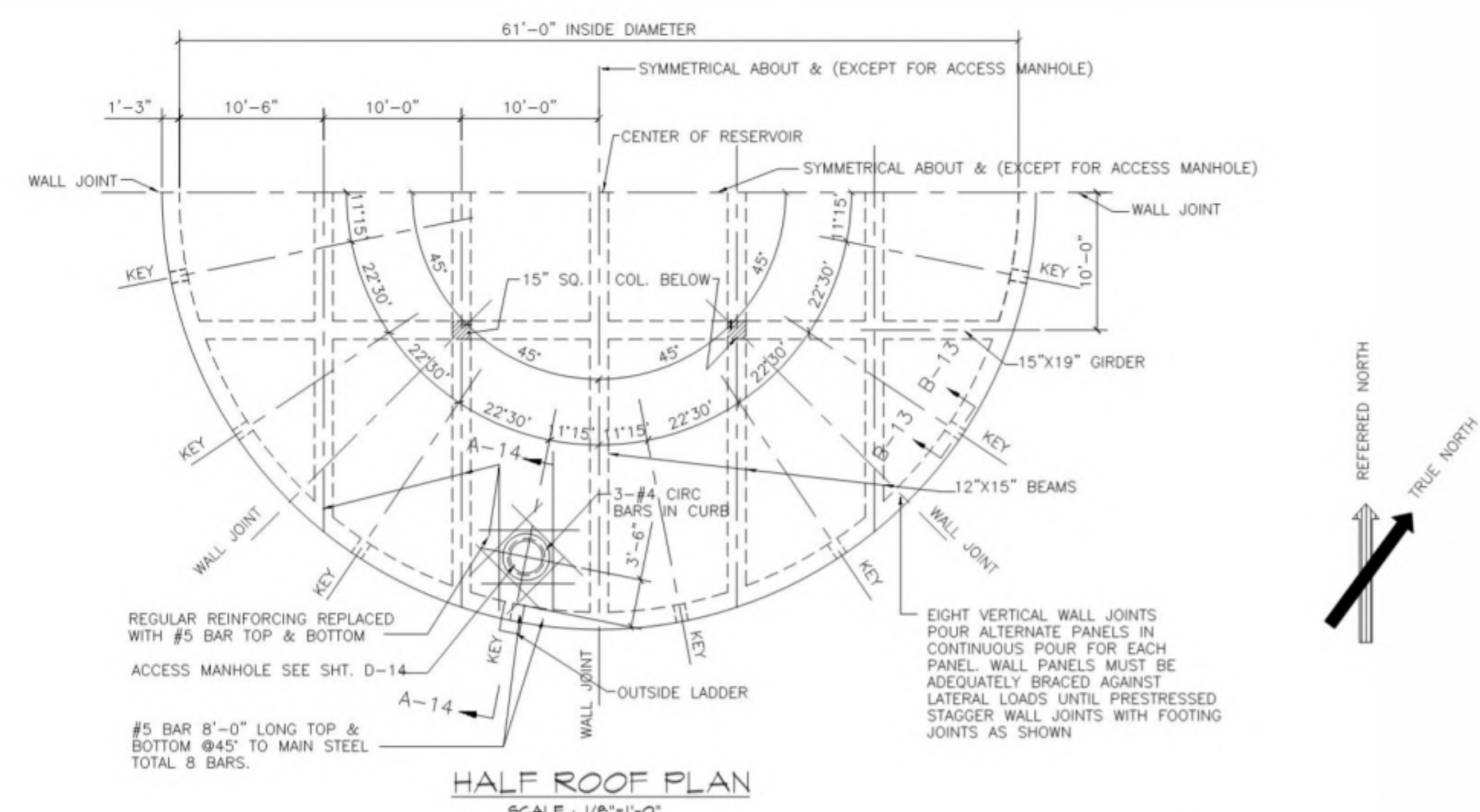
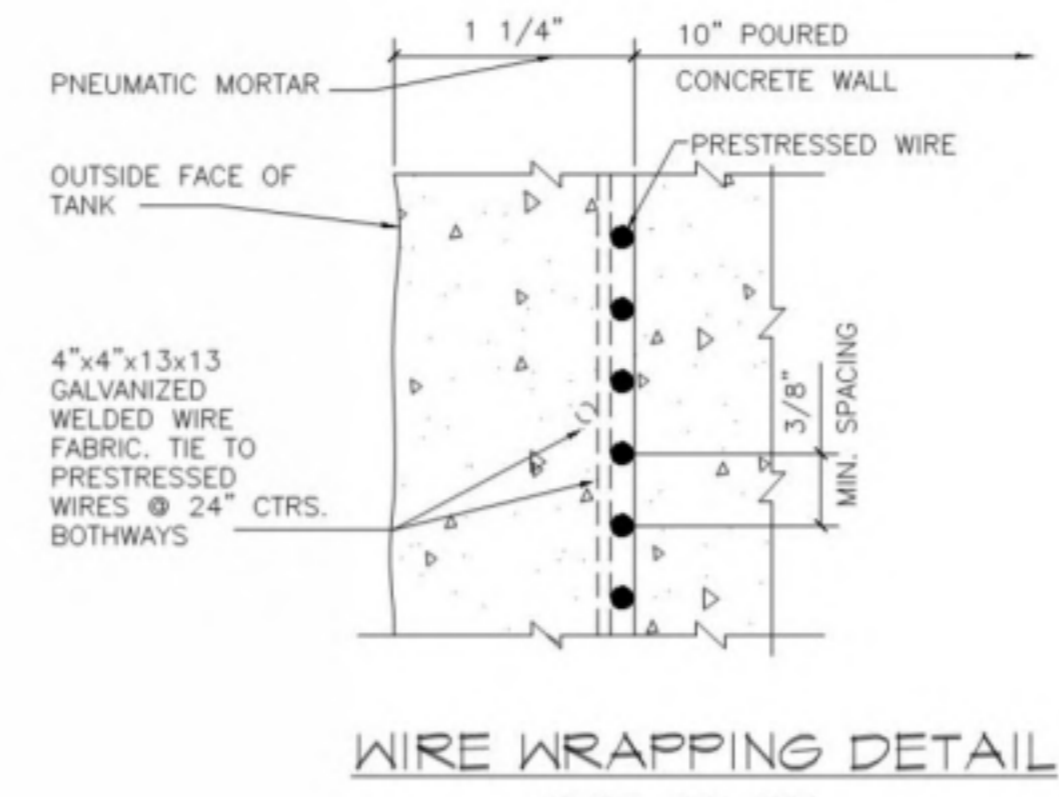
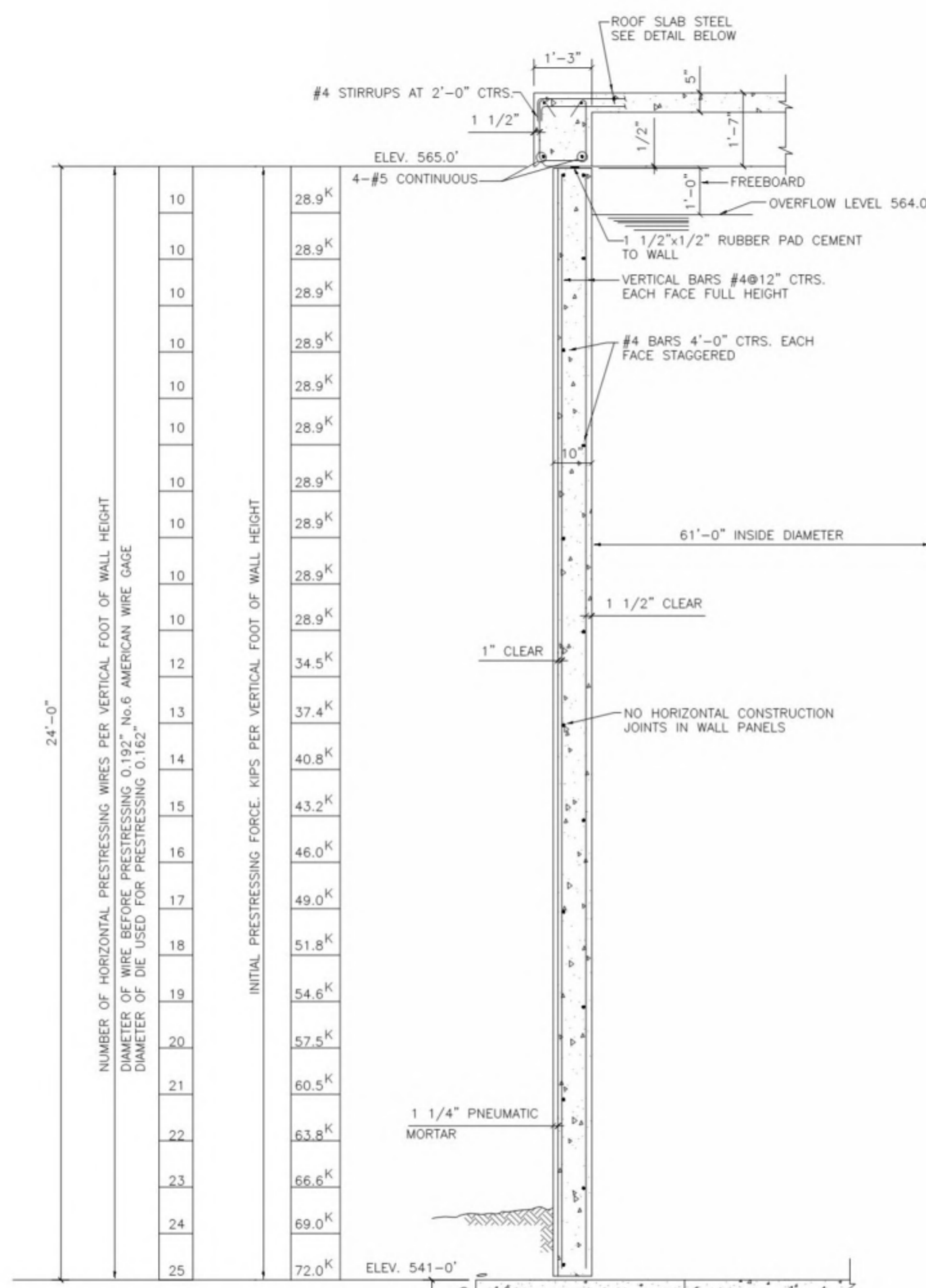




**LEGEND FOR IRRIGATION SYSTEM**

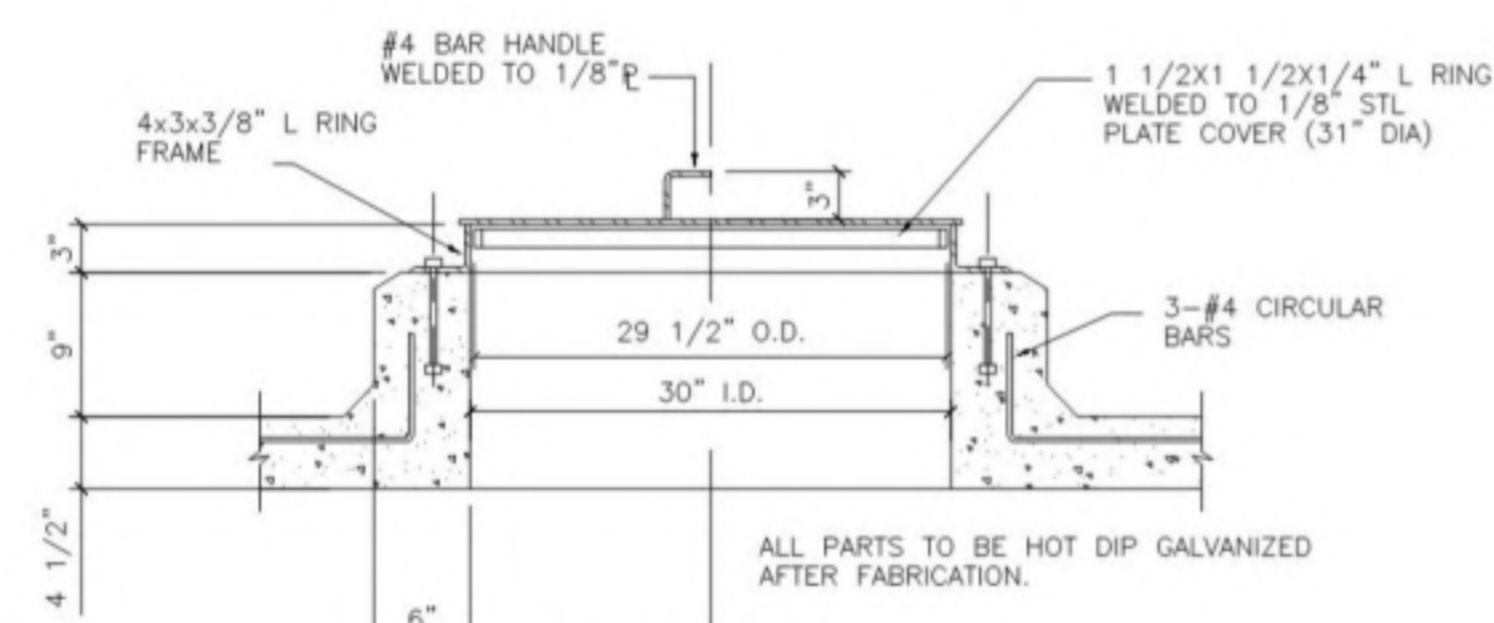
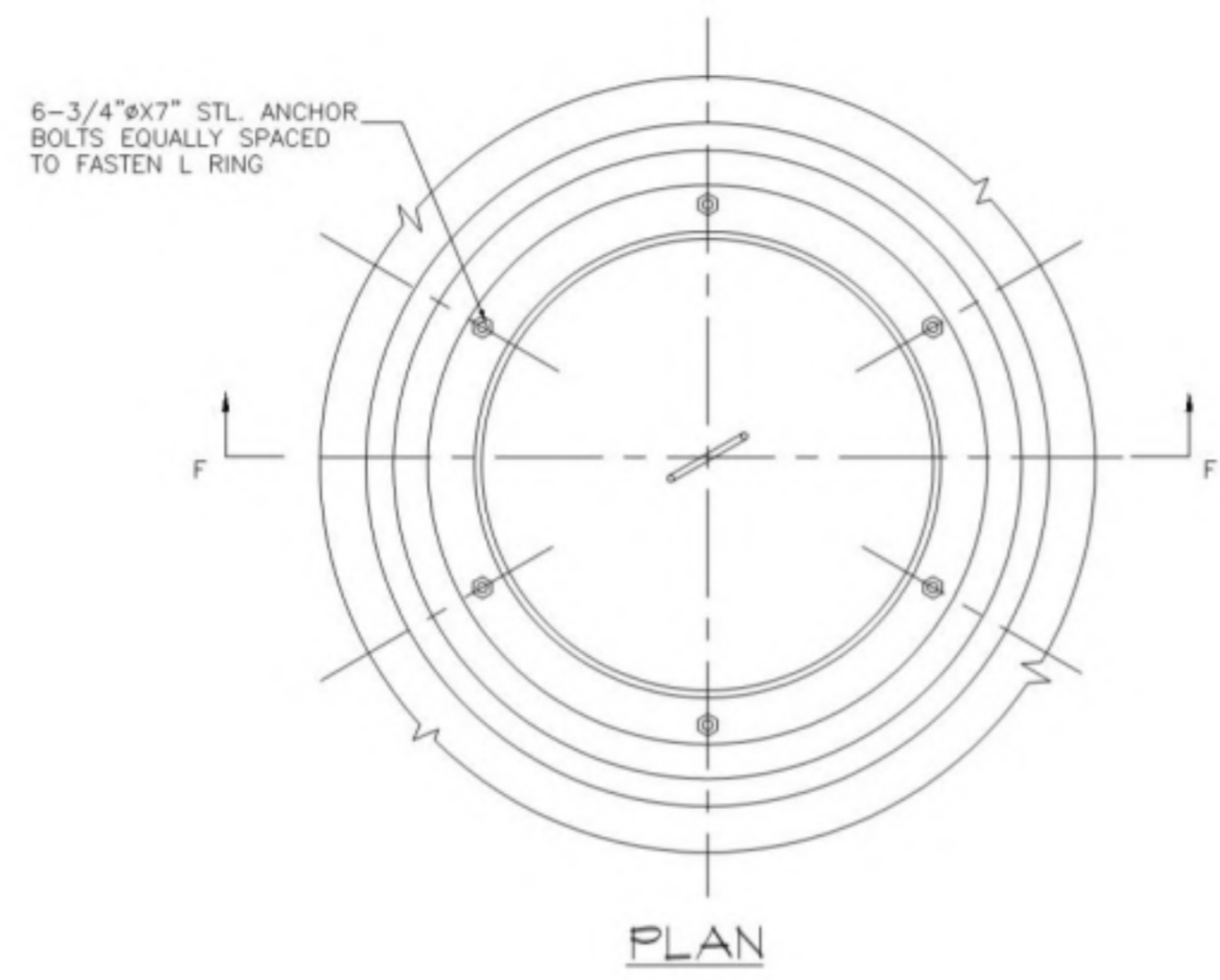
QUAN.	MFG. NO.	SYMBOL	DESCRIPTION	G.P.M. CAPACITY - EA.
24	14 RS	⊗	BUCKNER QUICK COUPLING VALVE	30.0
126	403 HD	✓	" POP-UP SPRAY	3.6
1	403-270	▼	" "	
28	403-FOR	×	" "	4.8
8	102 R-5/32"	■	SPRINKLER 5/32"	5.9
29	102 R 7/32"	□	" " 7/32"	10.8
57	1286-1/4"	○	" " 1/4"	15.0
13	019 1/28-1/4"	▽	" "	15.0
6	7200-1A	●	MOODY REMOTE CONTROL VALVE	
7	7250-1A	●	" "	
7	7300-1A	●	" "	

FOOTBALL & BASEBALL FIELD IRRIGATION PLAN  
SCALE: 1"=50'-0"

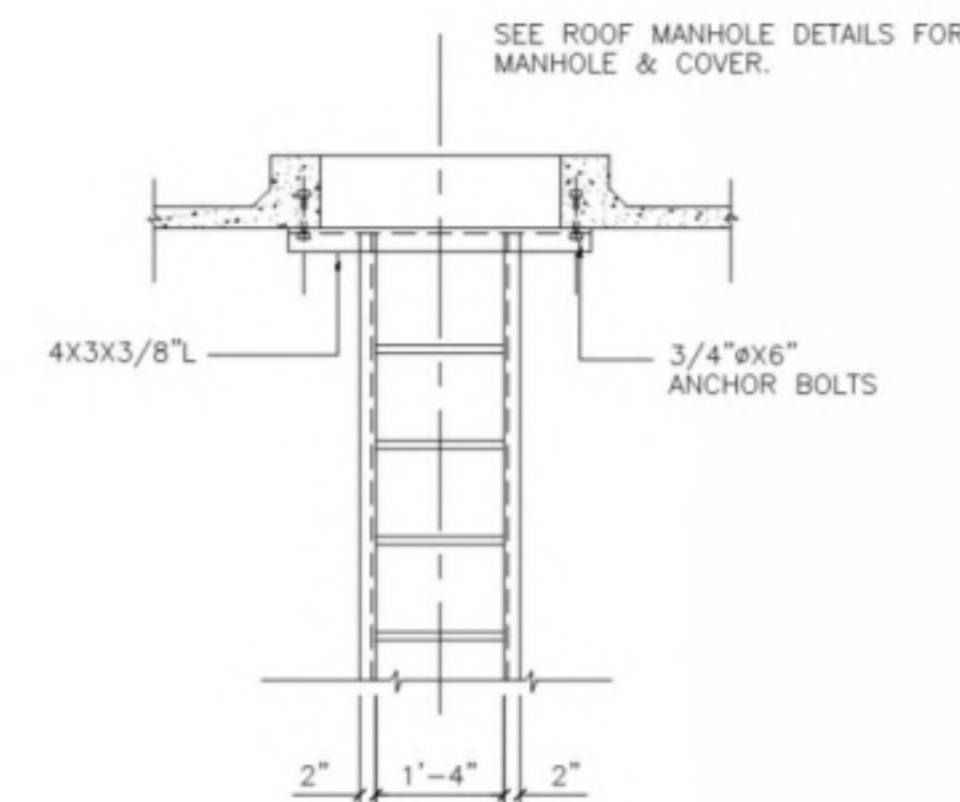


- CONSTRUCTION SEQUENCE:**
- EXCAVATE BENCH AS DESCRIBED UNDER GENERAL NOTES.
  - CONSTRUCT DOWNHILL RETAINING WALL "B" AND MAINTENANCE BLDG. FOOTING AS DESCRIBED UNDER GENERAL NOTES.
  - BACKFILL AREA TO ELEVATION 539.5' THEN EXCAVATE FOR FOOTINGS, BLOCKS AND DRAIN LINES.
  - INSTALL DRAIN AND WATER PIPING SYSTEMS AS REQUIRED. SEE MECHANICAL DWGS.
  - POUR CONCRETE BLOCKS AROUND ALL PIPING ENTERING BOTTOM OF TANK.
  - POUR ALTERNATE CONCRETE RING FOOTING PANELS FOR WALL. ALLOW PANELS TO SET A MINIMUM OF 24 HOURS, THEN POUR REMAINING PANELS.
  - PLACE GRAVEL BEDDING AND POUR CONCRETE FLOOR SLAB AND COLUMN FOOTINGS. CONCRETE SHALL BE POURED CONTINUOUS IN EACH PANEL AND SHALL BE COMPLETELY CURED BEFORE ERECTING COLUMNS AND FALSE WORK FOR ROOF.
  - POUR ALTERNATE PANELS OF WALL WITHOUT HORIZONTAL JOINTS AND AS DETAILED ON THESE DRAWINGS. ALLOW PANELS TO SET FOR A MINIMUM OF 24 HOURS THEN POUR REMAINING PANELS.
  - POUR CONCRETE COLUMNS AND ROOF.
  - COMPLETE PRESTRESSING AND APPLICATION OF MORTAR FINISH ON WALLS.
  - INSTALL LADDERS, RAILING MANHOLES, AND OTHER APPURTENANCES AS REQUIRED.
  - FILL TANK WITH WATER AS SOON AS POSSIBLE AFTER PRESTRESSING.

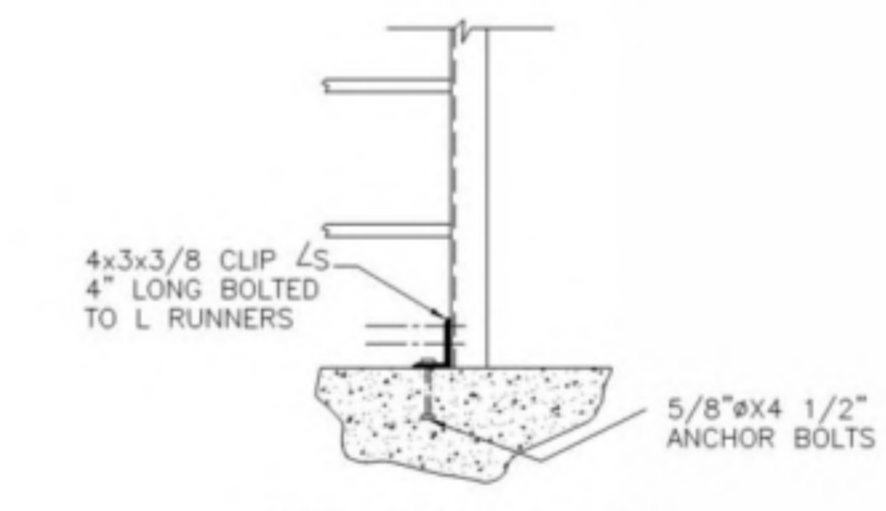
- GENERAL NOTES:**
- TANK BENCH EXCAVATION**  
EXCAVATED BENCH BENEATH TANK TO BE AT HIGHEST POSSIBLE ELEVATION AT WHICH A LEVEL AREA OF 800' MAY BE EXCAVATED IN A CIRCLE WHOSE CENTER IS LOCATED AT N 1384, E 3064 AND HAS A RADIUS OF 34 FT. MIN.
- MAINTENANCE BUILDING FOOTING**  
AFTER COMPLETING THE TANK BENCH EXCAVATION AND PRIOR TO BACK-FILLING A PORTION OF THE MAINTENANCE BUILDING FOOTING ON COLUMN LINE (C) SHALL BE CONSTRUCTED UP TO THE BASEMENT ON BOTH SIDES OF THE TANK.
- CONCRETE**  
CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH IN 28 DAYS AT 3000 P.S.I.
- REINFORCING STEEL**  
ALL REINFORCING STEEL SHALL BE INTERMEDIATE GRADE DEFORMED BARS. F5=20,000 P.S.I.
- PRESTRESSING WIRE**  
ALL PRESTRESSING WIRE SHALL BE ALL DIPPED, HARD DRAWN STEEL WIRE AND SHALL HAVE AN ULTIMATE TENSILE STRENGTH OF 210,000 P.S.I. CIRCUMFERENTIAL PRESTRESSING WIRE SHALL BE STRESSED TO 140,000 P.S.I. WHEN NORMALLY WOUND ON THE TANK WALL PRESTRESSING SHALL NOT BE STARTED UNTIL THE CONCRETE IN THE TANK WALL HAS ATTAINED A STRENGTH OF AT LEAST 90% OF THE 28 DAYS CONCRETE STRENGTH SPECIFIED.
- WATERSTOP**  
RUBBER OR NEOPRENE WATERSTOPS OF THE DUMBELL TYPE SHALL BE USED IN ALL JOINTS AS SHOWN ON THE PLANS. THE JOINT BETWEEN THE WALL AND FOUNDATION SHALL HAVE A DUMBELL TYPE WATERSTOP WITH AN OPEN CENTER BULB. ALL JOINTS AND INTERSECTIONS OF WATERSTOPS SHALL BE SEALED WATERTIGHT BY VULCANIZING.
- RUBBER PAD JOINT**  
A CONTINUOUS RUBBER PAD, OF 40# DUROMETER RUBBER, 200 P.S.I. MIN. TENSILE STRENGTH, 500% ELONGATION AND 50% MAX. COMPRESSIVE SET AS PER ASTM B-420, SHALL BE USED IN THE JOINT BETWEEN THE WALL AND FOUNDATION. THE PAD SHALL BE MADE OF NATURAL RUBBER AND SHALL BE CEMENTED TO THE FOUNDATION WITH RUBBER CEMENT. SPLICE SHALL BE WELL BUTTED AND SEALED WITH RUBBER CEMENT.
- CHAMFERS**  
CHAMFER ALL EXPOSED EDGES 3/4" UNLESS OTHERWISE NOTED.
- RETAINING WALLS**  
UPON COMPLETION OF EXCAVATION FOR RETAINING WALL BASES, ADDITIONAL SOIL BORINGS AND TESTS SHALL BE MADE ON THE EXPOSED BASE MATERIAL TO DETERMINE ITS BEARING AND SHEAR VALUES. IN EVENT THE TEST RESULTS ARE SUBSTANTIALLY DIFFERENT THAN THOSE ASSUMED FOR DESIGN PURPOSES, THEN DESIGN CHANGES WILL BE MADE WHICH WILL CHANGE THE STEEL AND PHYSICAL DIMENSIONS OF THE WALLS FROM THOSE GIVEN IN THE TABLE ON SHEET B-15.
- TANK FOUNDATION**  
ALLOWABLE SOIL PRESSURE ON THE ENGINEERED FILL VARIES WITH FOOTING SIZE AND DEPTH AS SPECIFIED IN SOILS AND FOUNDATION INVESTIGATION PROPOSED COLLEGE HEIGHTS CAMPUS\* PREPARED BY DAMES AND MOORE, SOIL MECHANICS ENGINEERS, MAY 27, 1959.



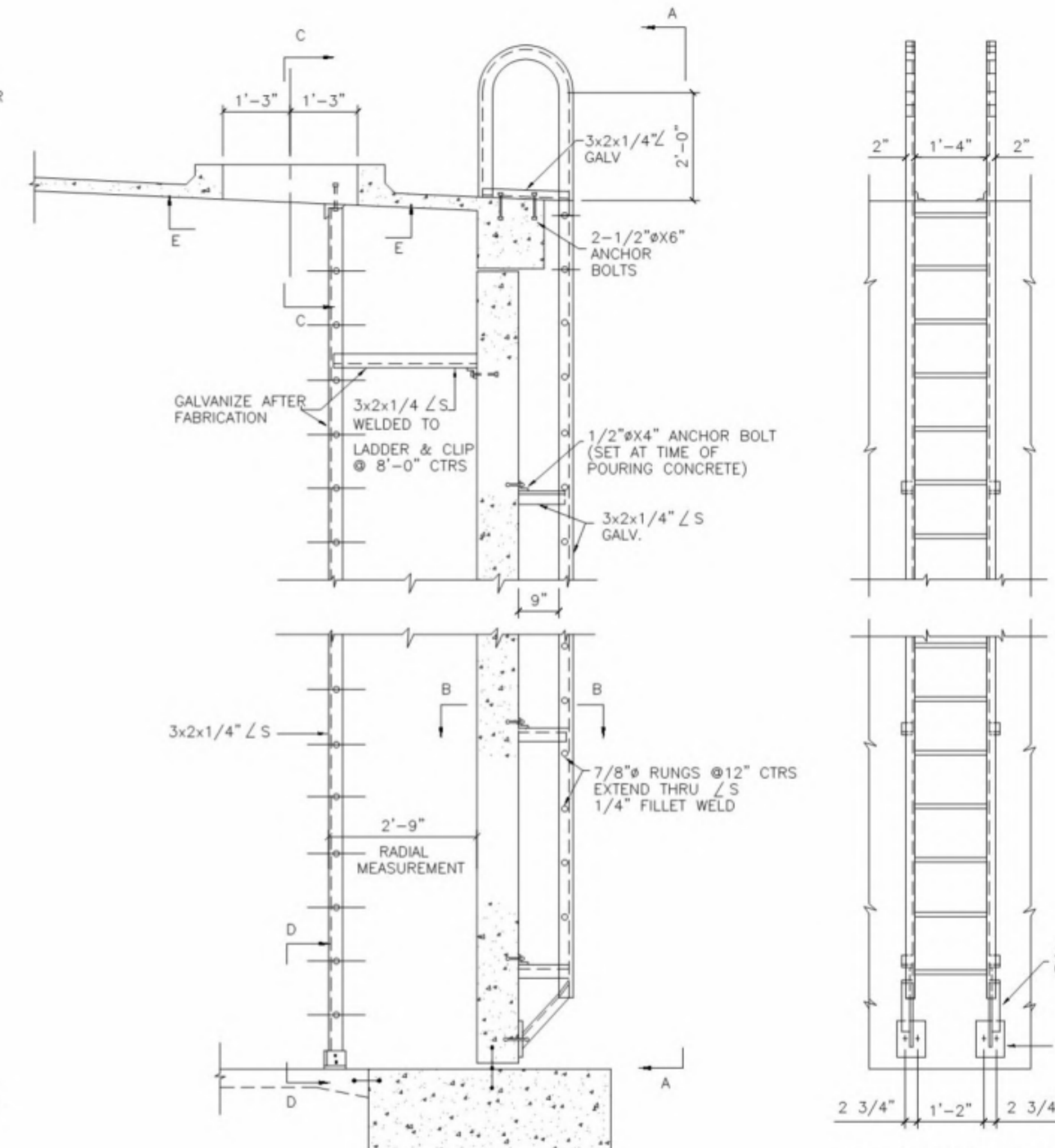
SECTION F-F  
ROOF MANHOLE DETAIL  
SCALE: 1"=1'-0"



SECTION C-C



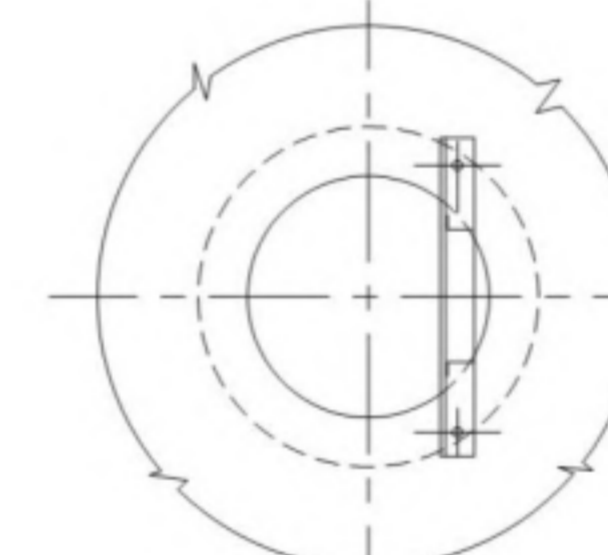
SECTION D-D



SECTION A-14  
SCALE: 1/2"=1'-0"

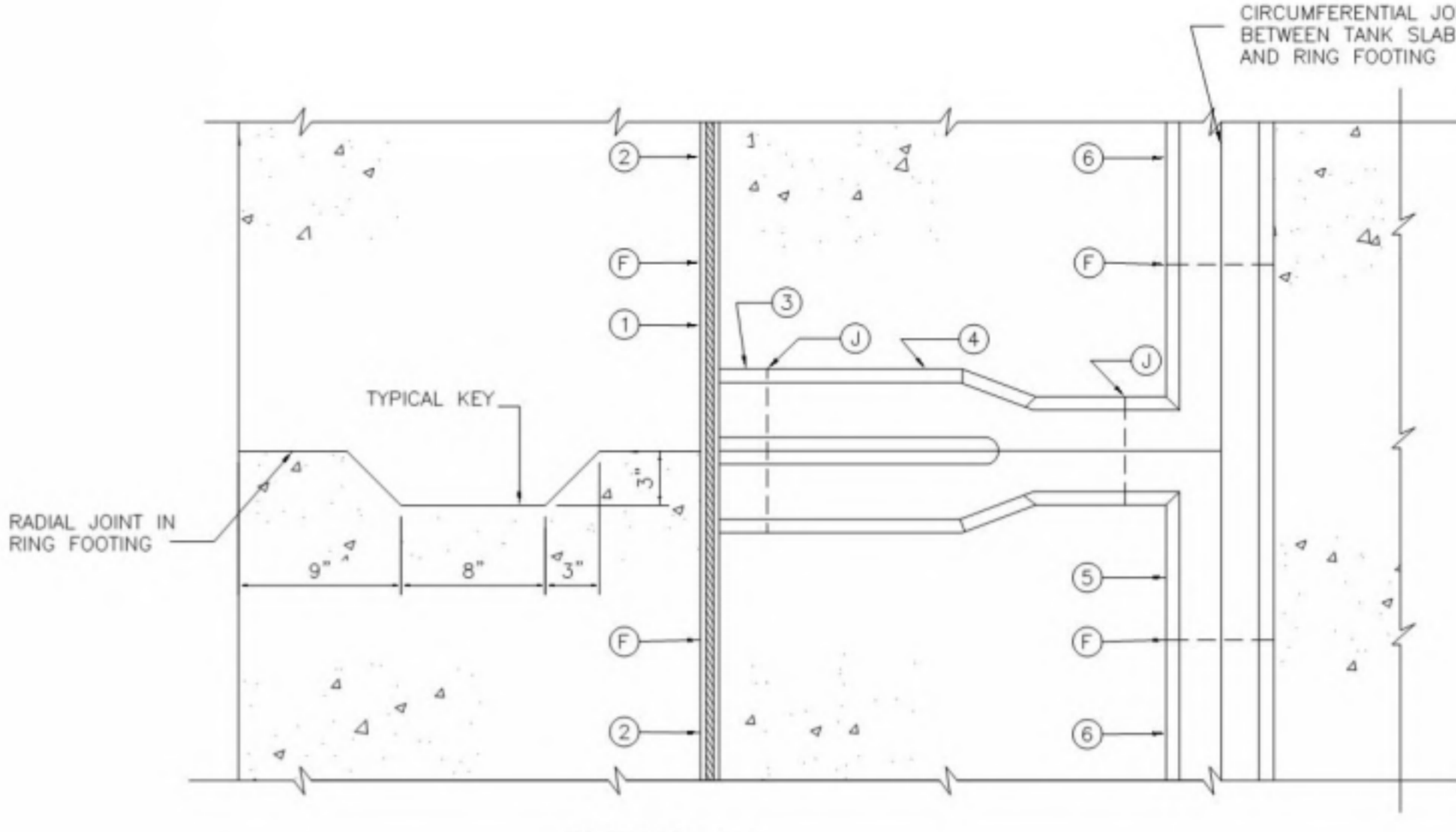
LADDER DETAILS

SECTION A-A



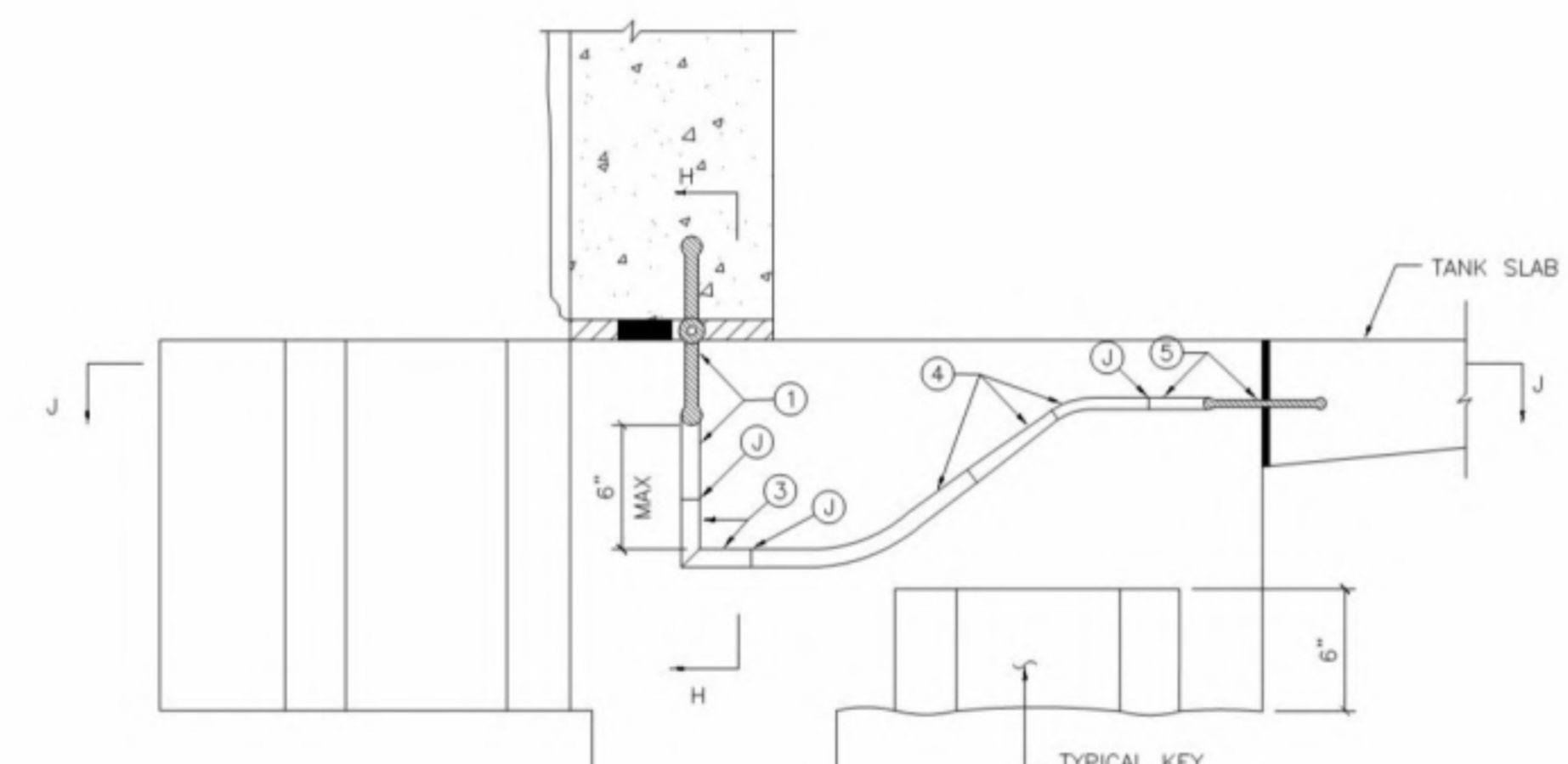
SECTION E-E

SECTION B-B

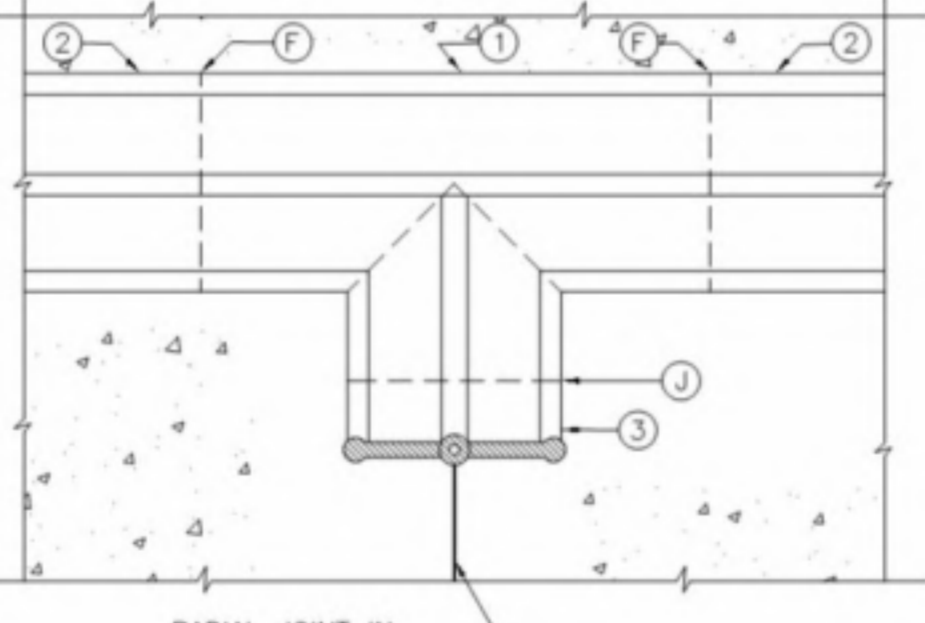


SECTION J-J

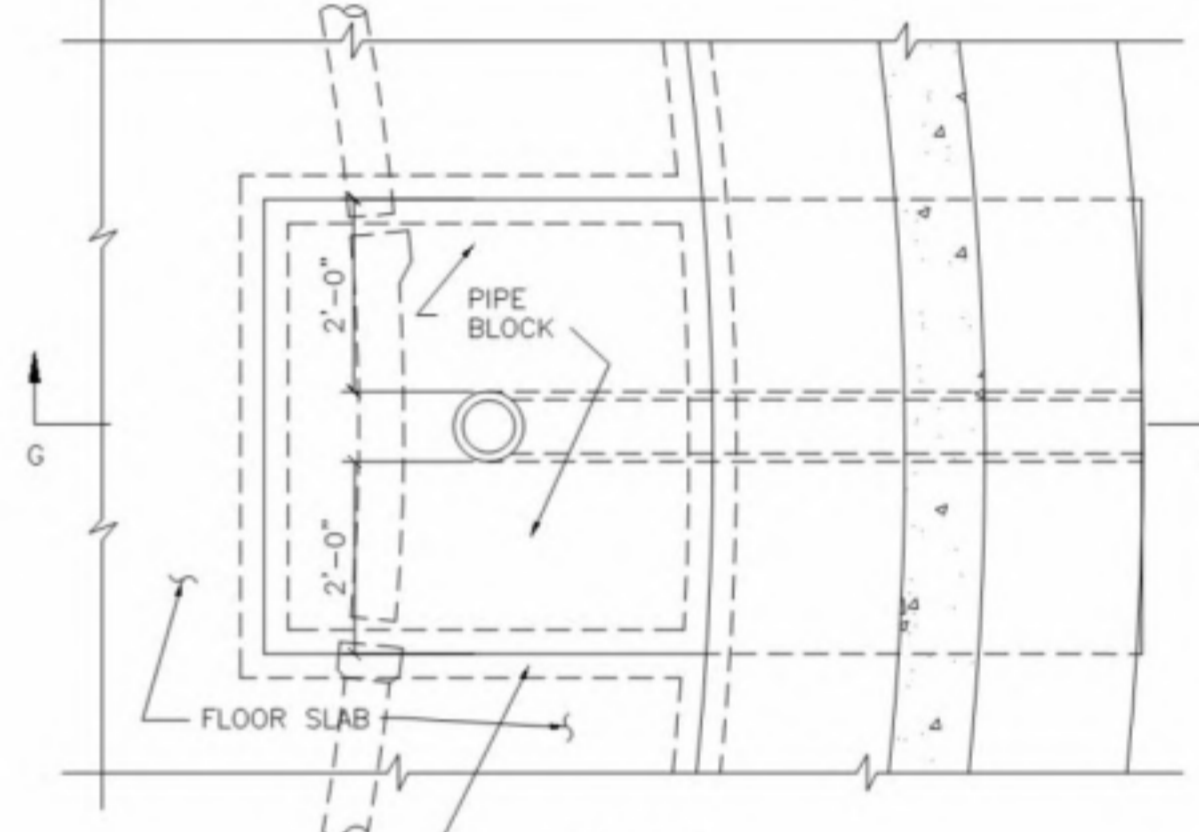
- LEGEND FOR RING FOOTING WATER STOP DETAILS
- ① - 3 BULB FLAT T
  - ② - 3 BULB STANDARD STRIP
  - ③ - 3 BULB VERTICAL L
  - ④ - TRANSITION 9" - 3 BULB TO 6" - 2 BULB
  - ⑤ - 2 BULB FLAT T
  - ⑥ - 2 BULB STANDARD STRIP
  - ⑦ - FACTORY VULCANIZED JOINTS
  - ⑧ - FIELD VULCANIZED JOINTS



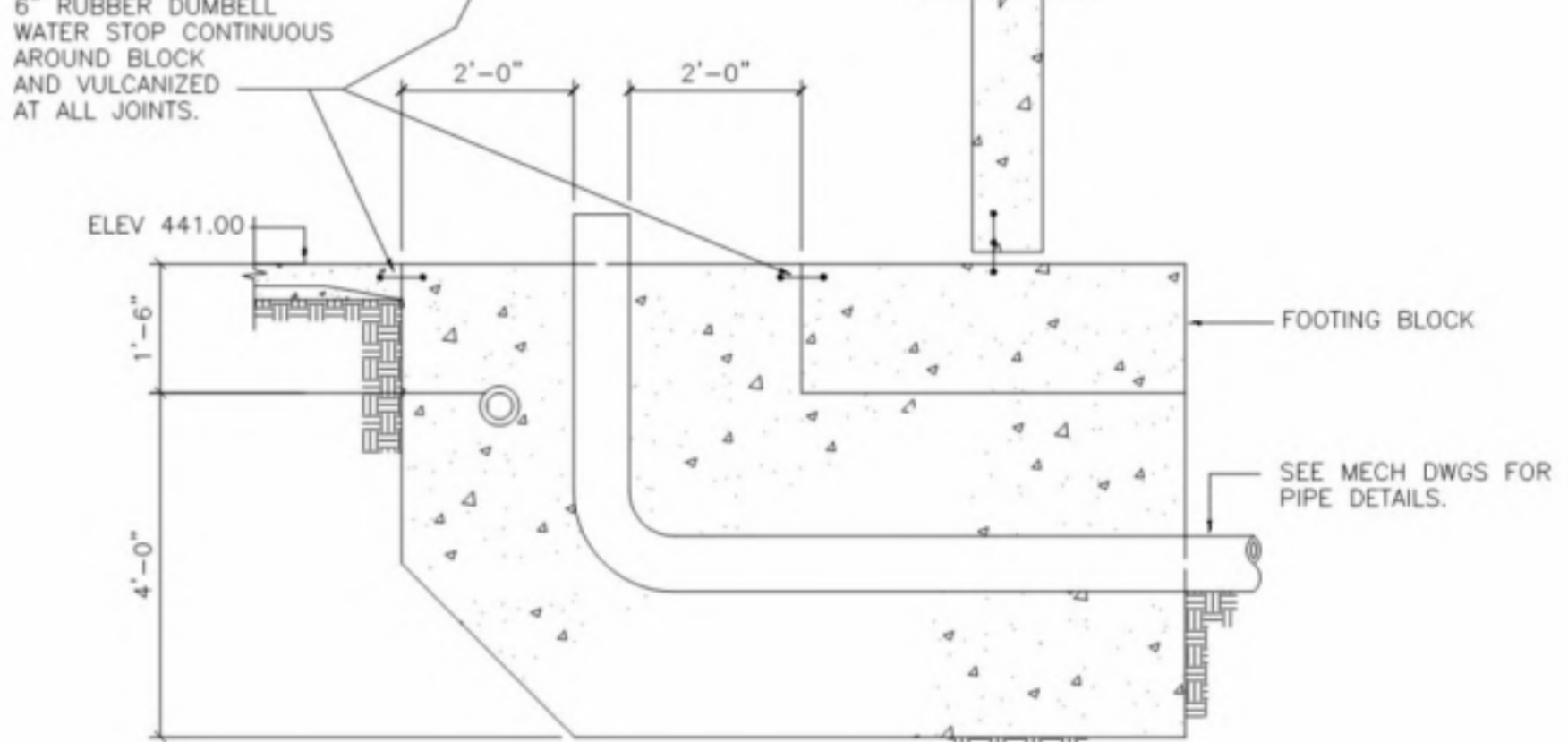
JOINT ELEVATION



SECTION H-H

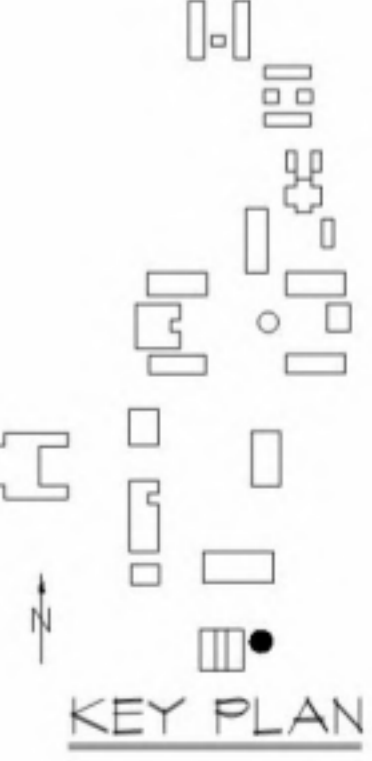


PLAN

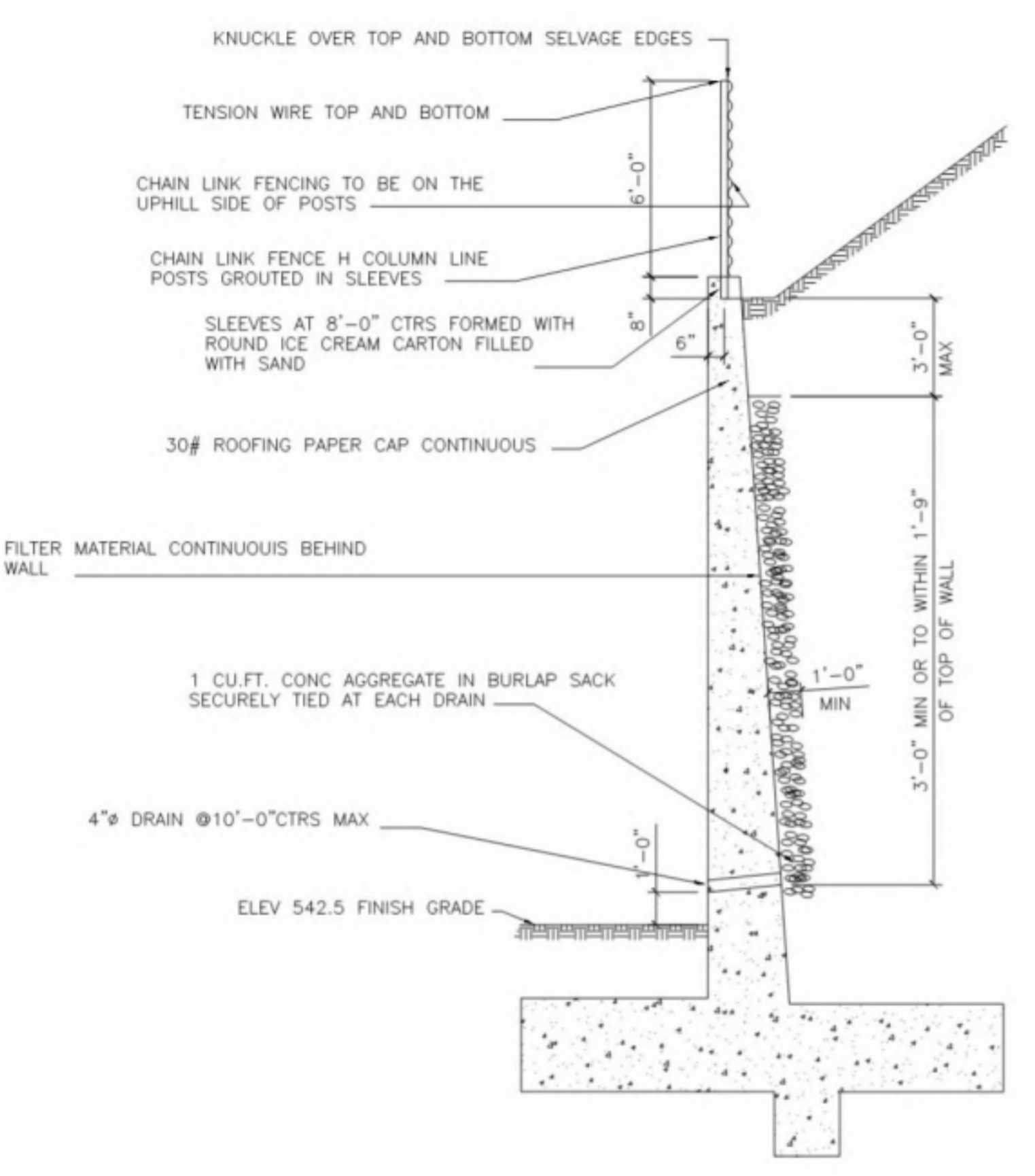
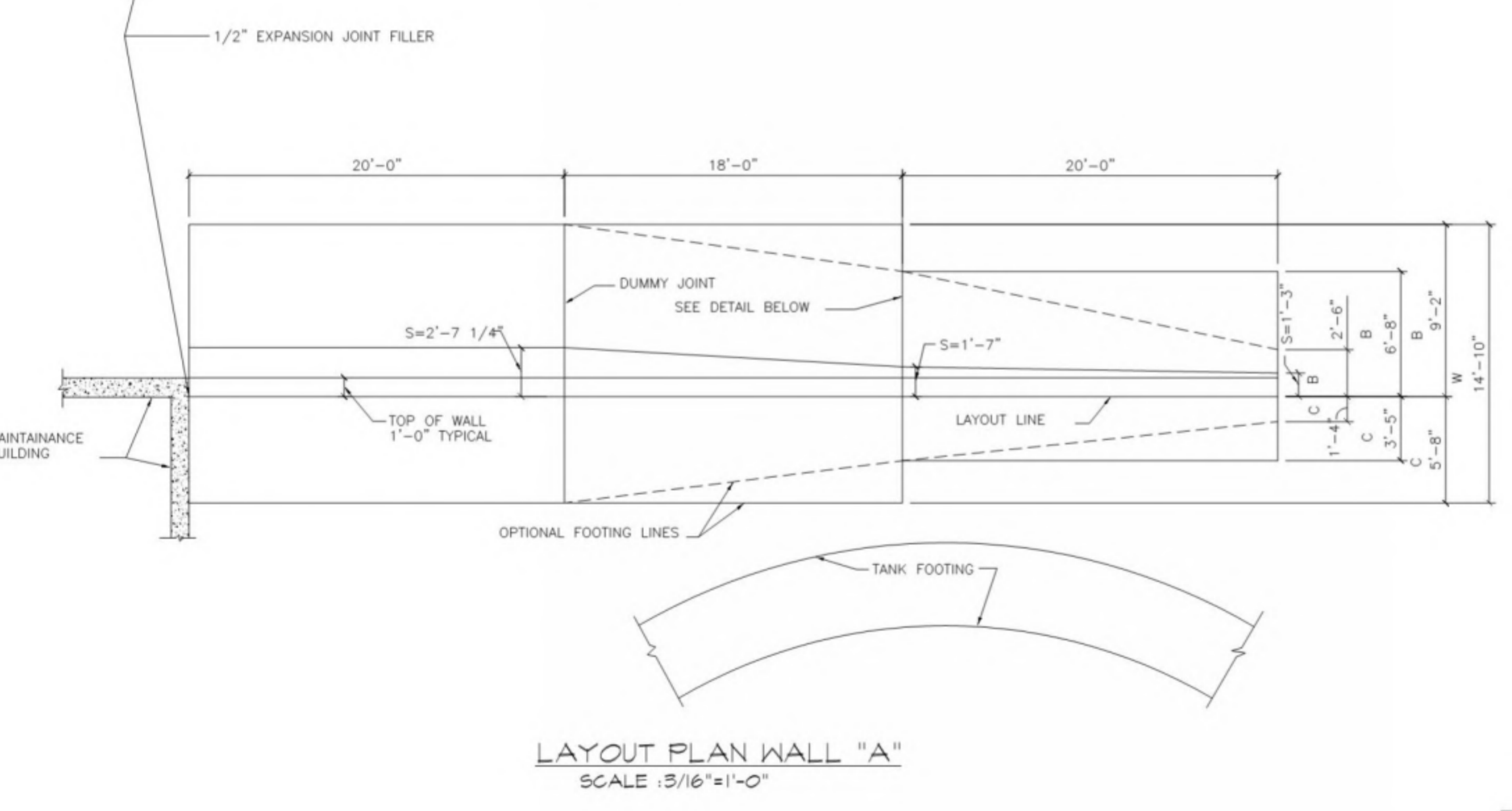
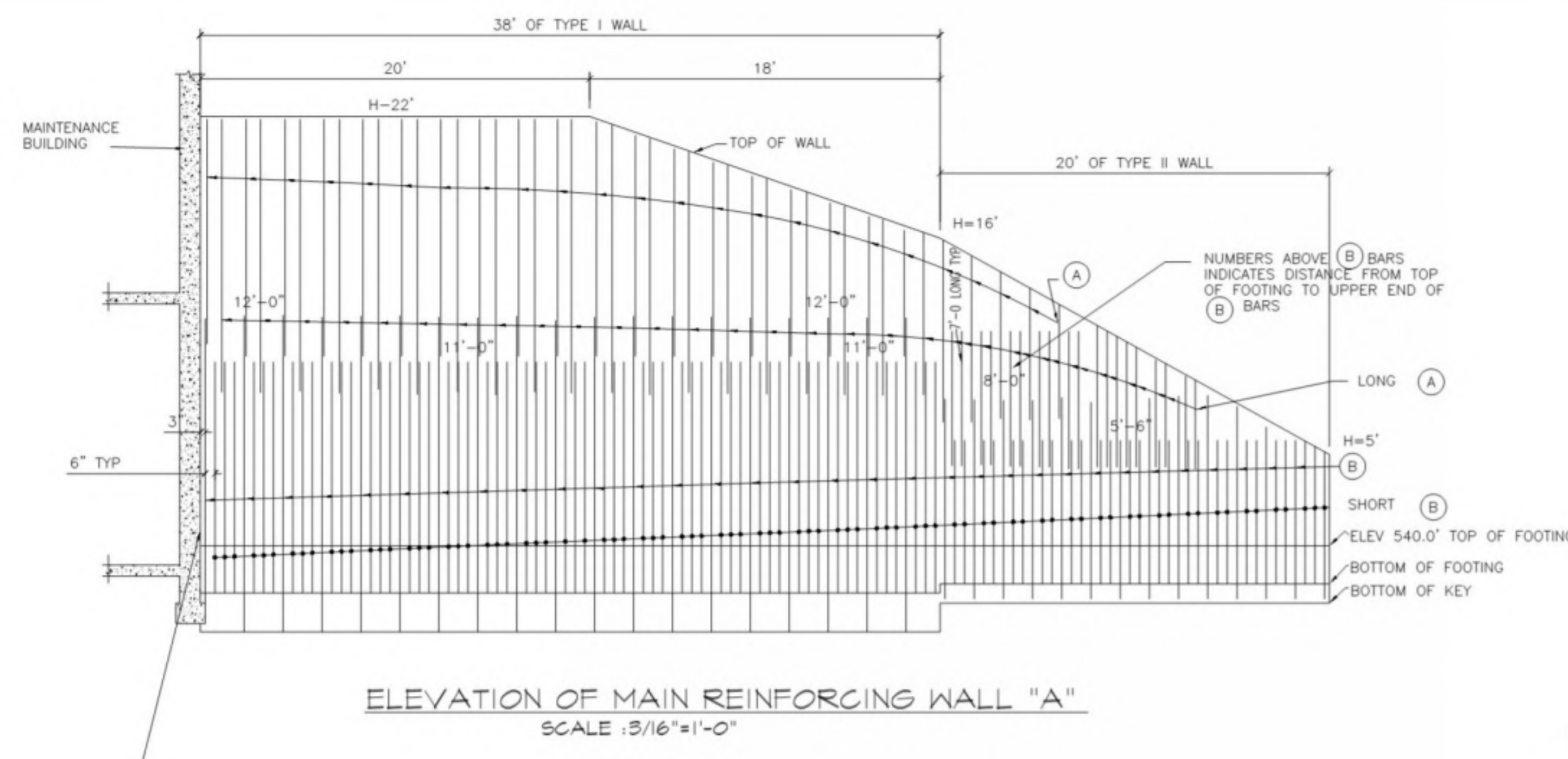


SECTION G-G

PIPE BLOCK DETAIL  
SCALE: 1/2"=1'-0"



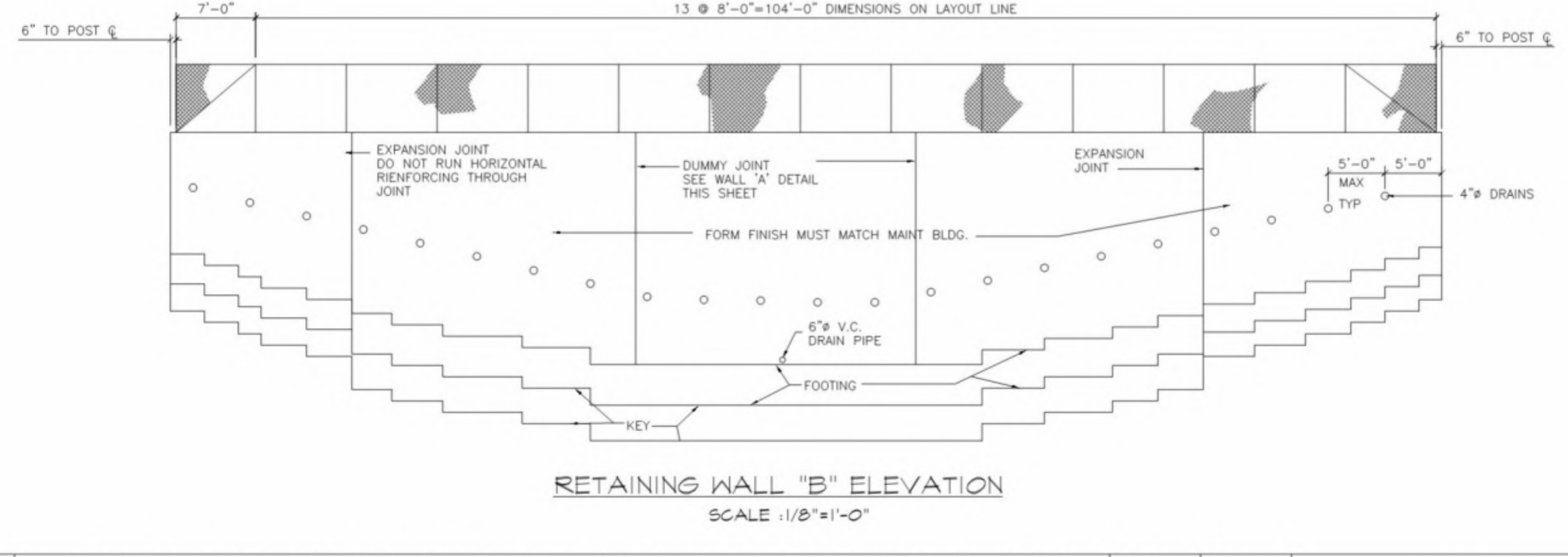
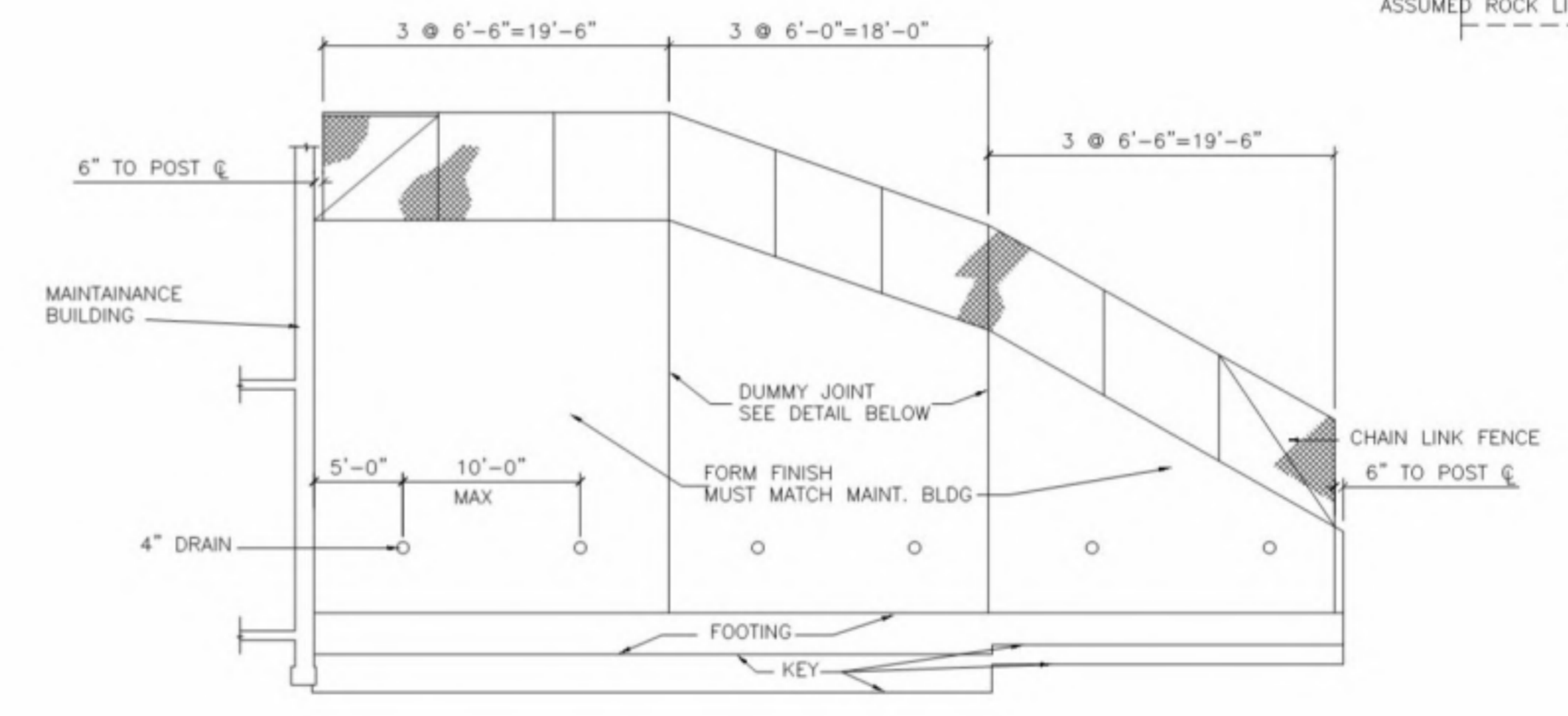
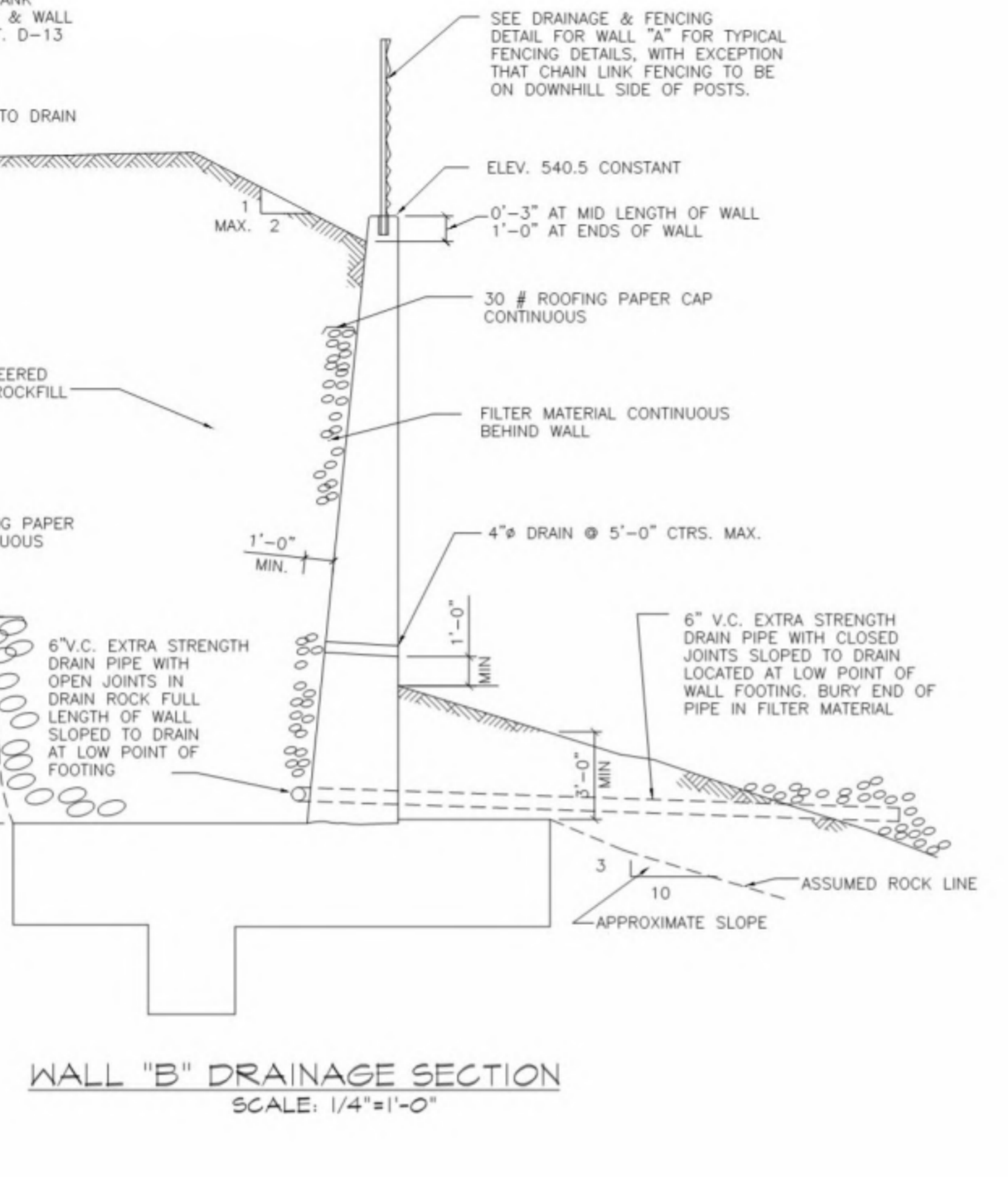
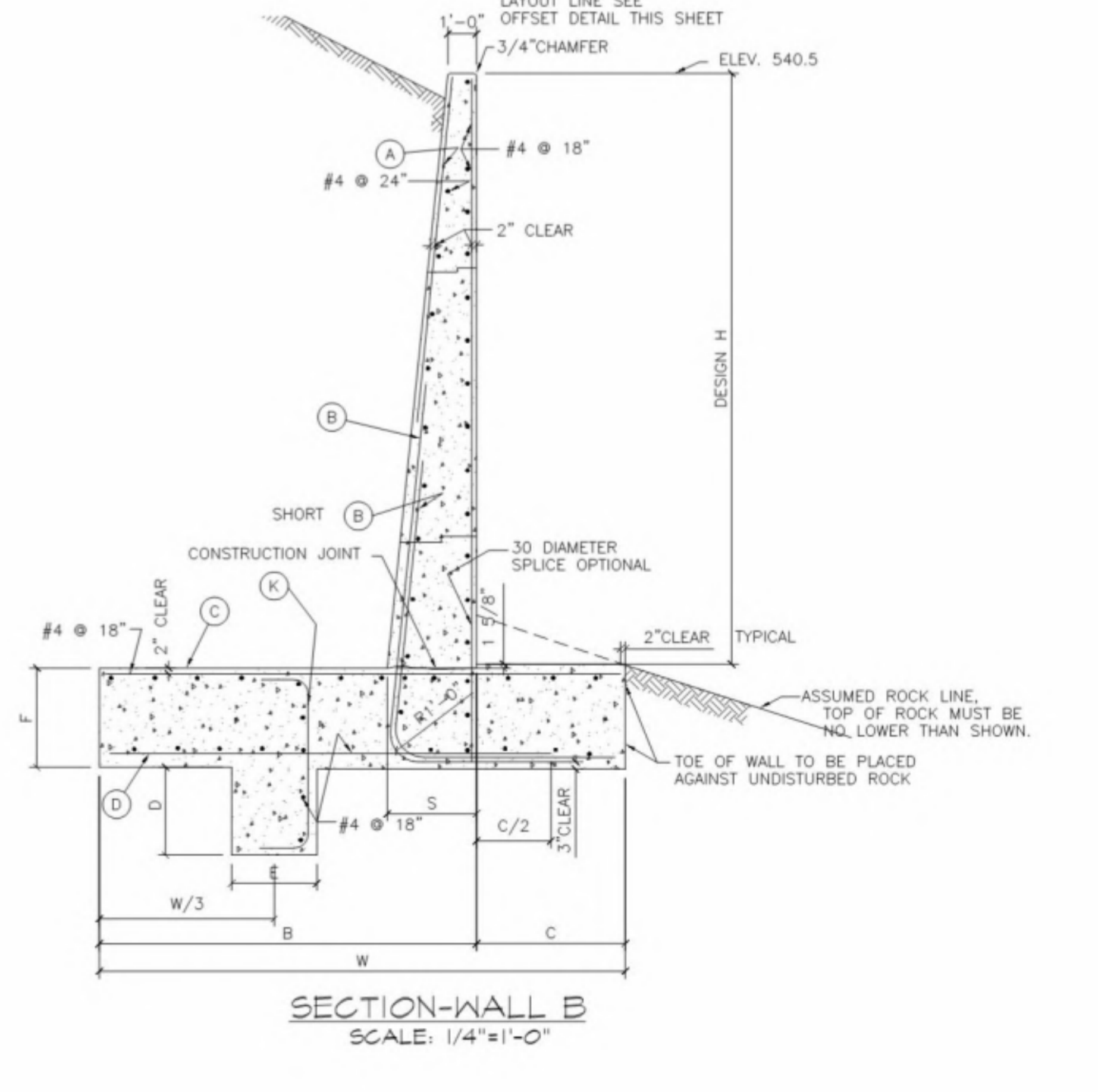
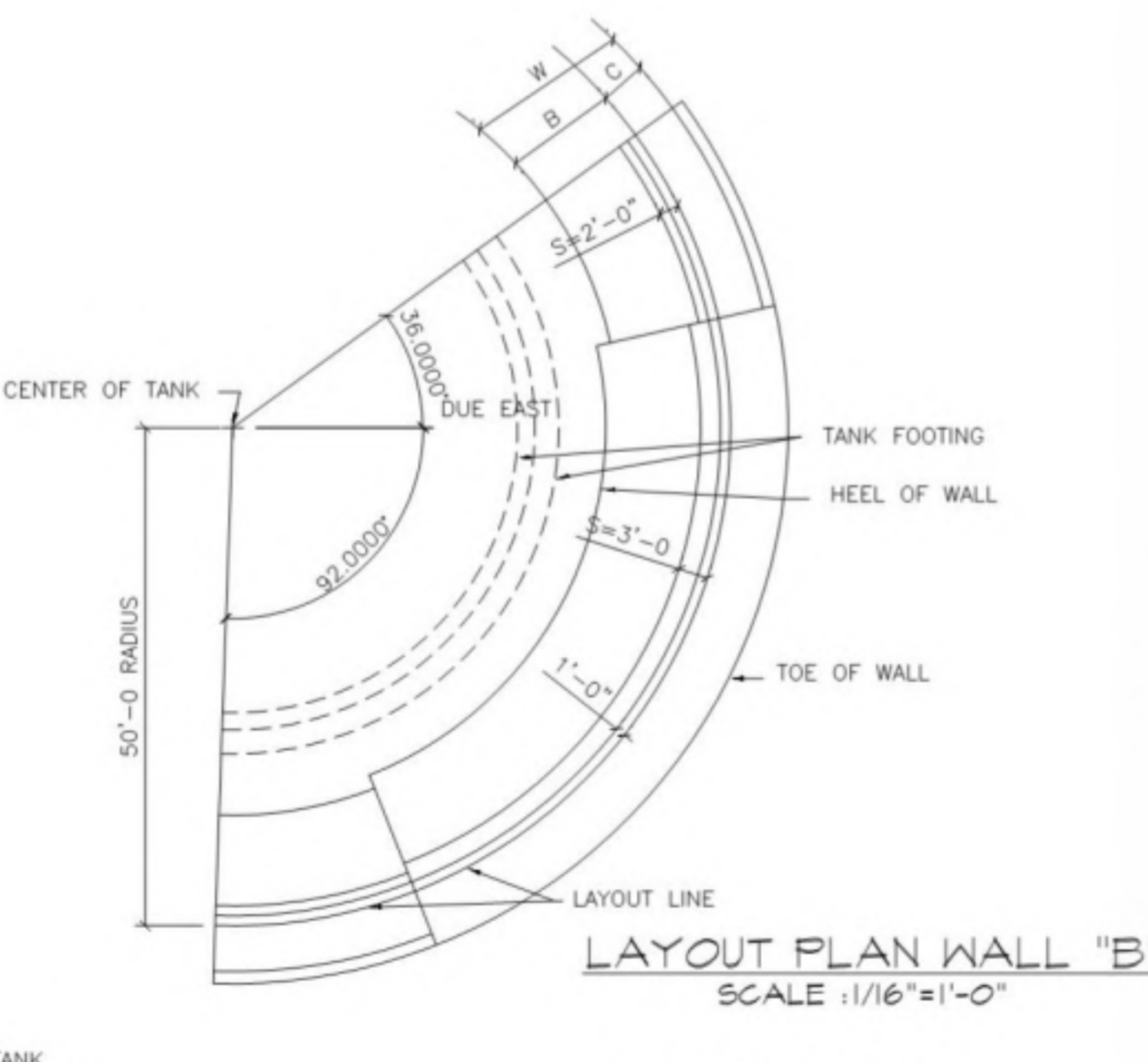
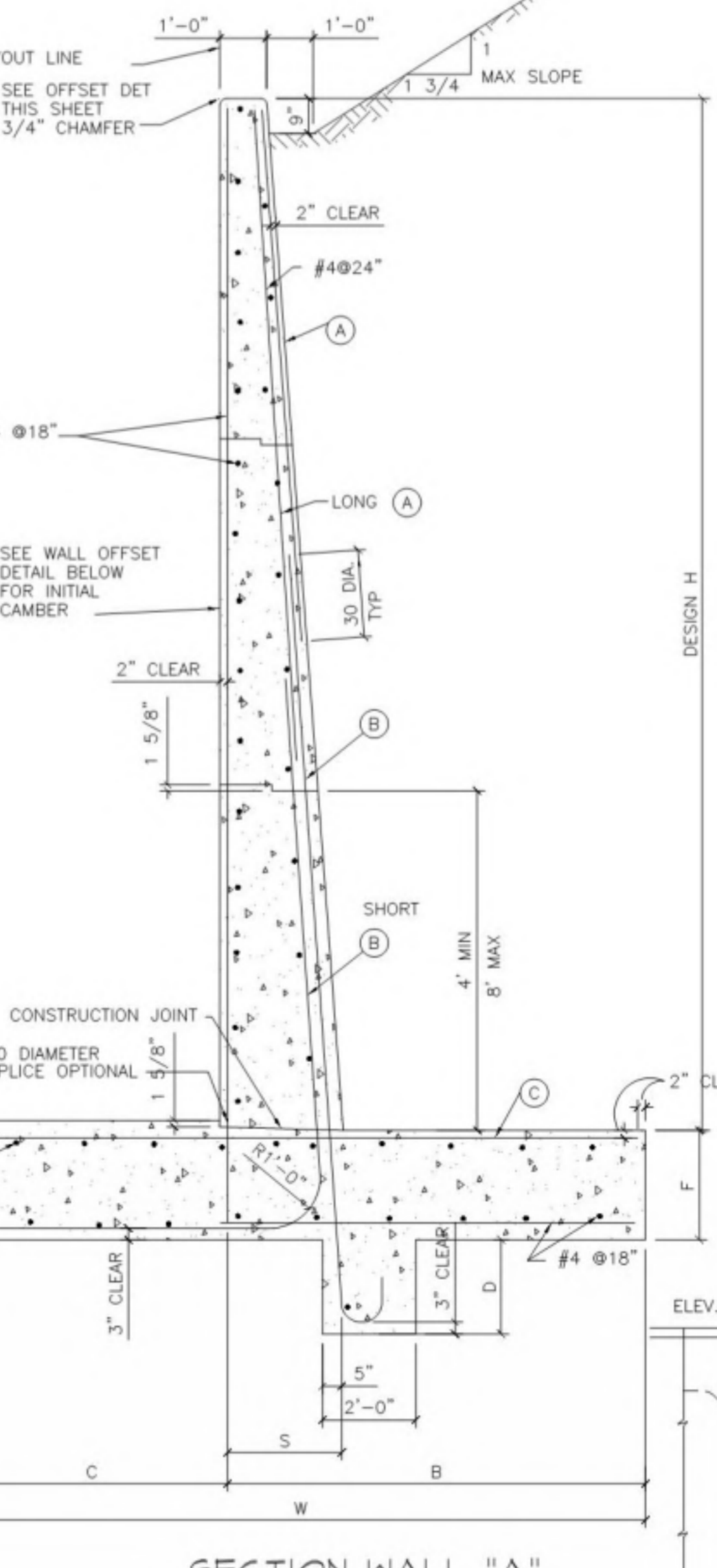
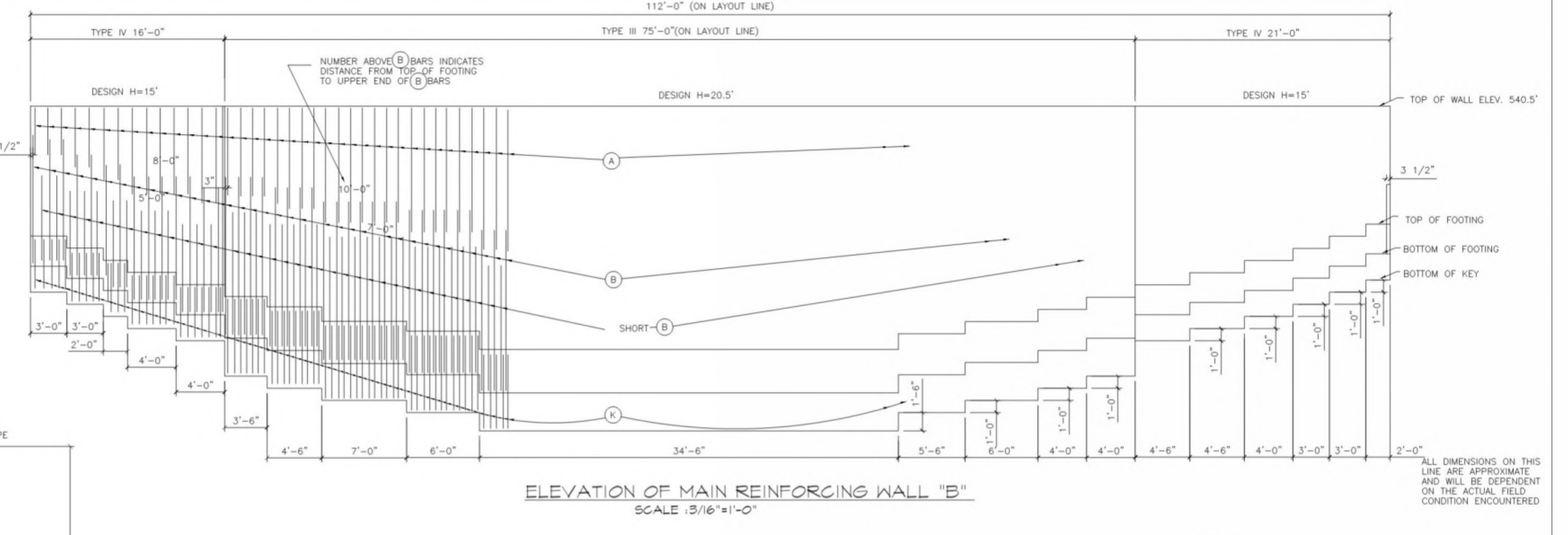
KEY PLAN



TYPE	I	II	III	IV
DESIGN H	22'	16'	20'-6"	15'-0"
W	14'-10"	10'-1"	18'-6"	15'-0"
C	5'-8"	3'-5"	5'-3"	4'-0"
B	9'-2"	6'-8"	13'-3"	11'-0"
F	2'-4"	1'-7"	3'-6"	2'-6"
S	2'-7 1/4"	1'-8"	3'-0"	2'-0"
D	2'-0"	1'-0"	3'-0"	2'-0"
E	-	-	3'-0"	2'-0"

A BARS	#9@12"	#9@6"	#9@12"	#9@14"
B BARS	#11@6"	#9@6"	#11@6"	#9@7"
C BARS	#9@6"	#7@6"	#10@6"	#10@7"
D BARS	-	-	#4@6"	#4@7"
K BARS	-	-	#7@6"	#5@7"

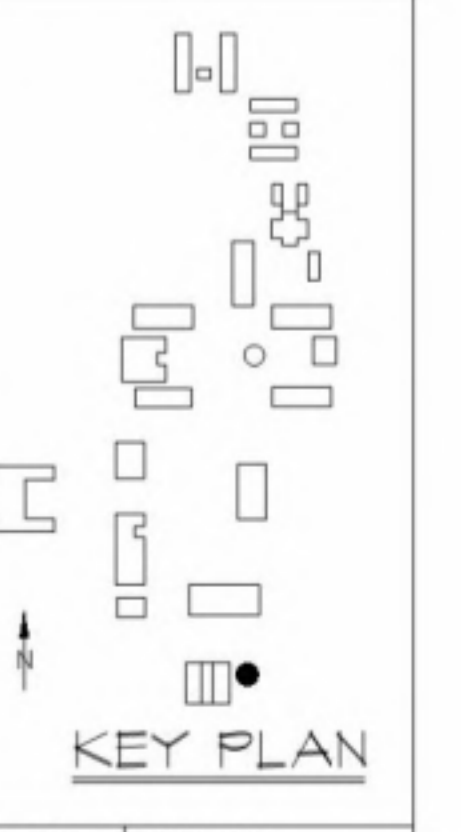
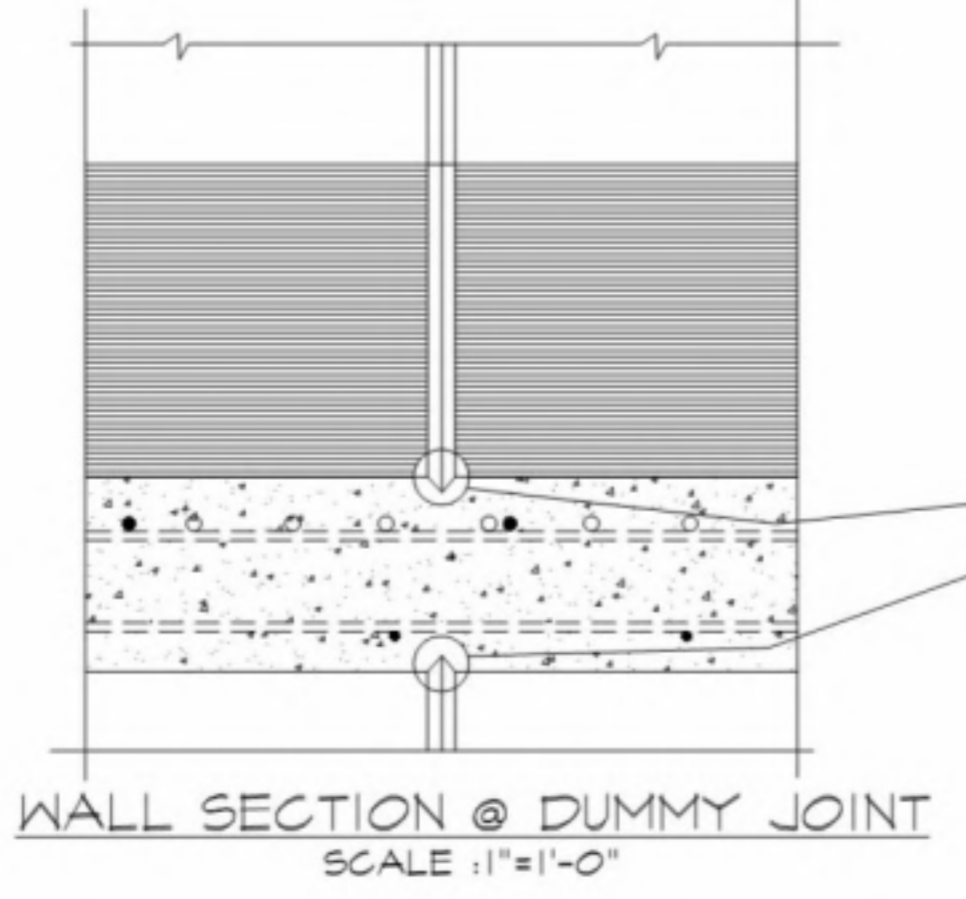
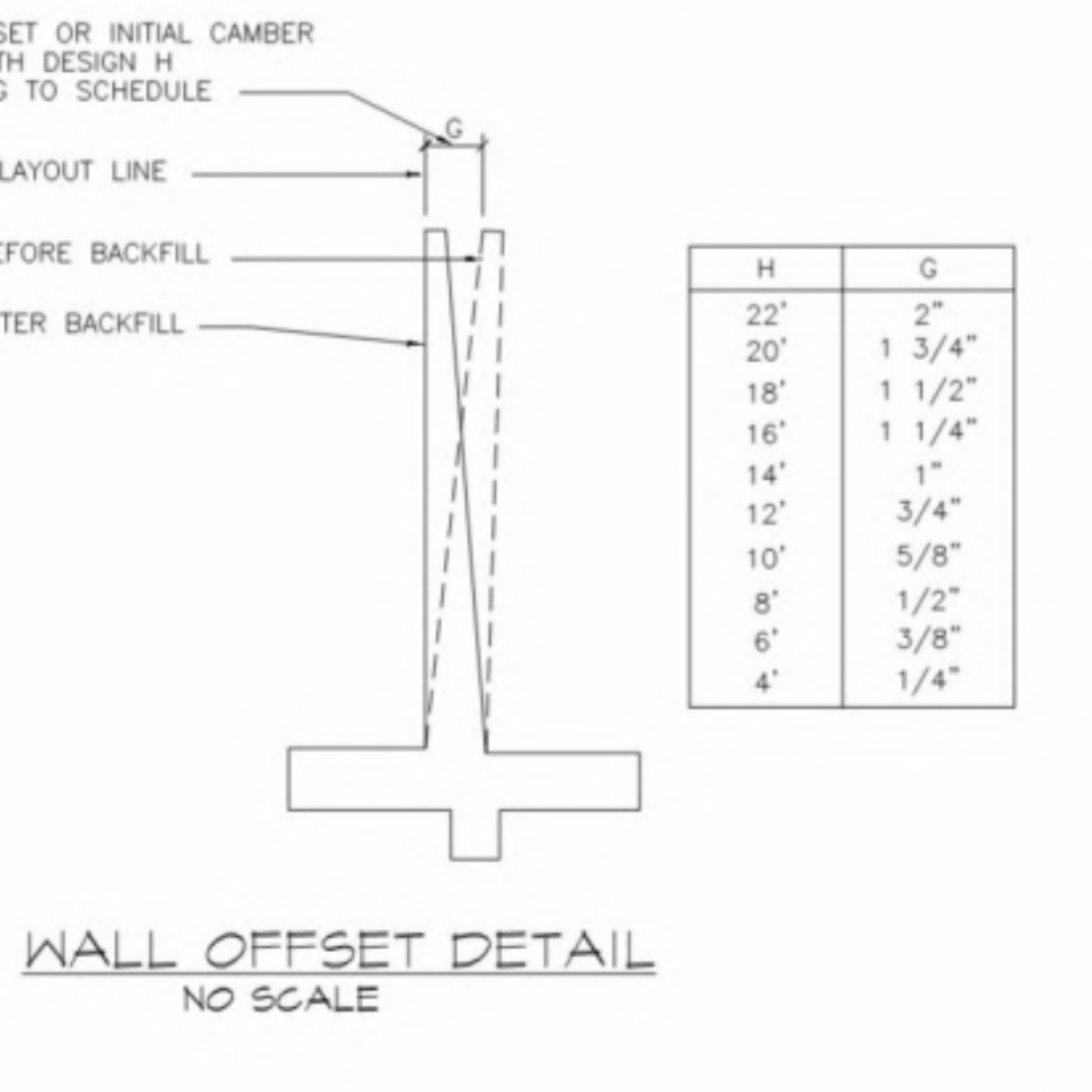


TYPICAL DRAINAGE & FENCING SECTION WALL "A"  
SCALE: 1/4"=1'-0"

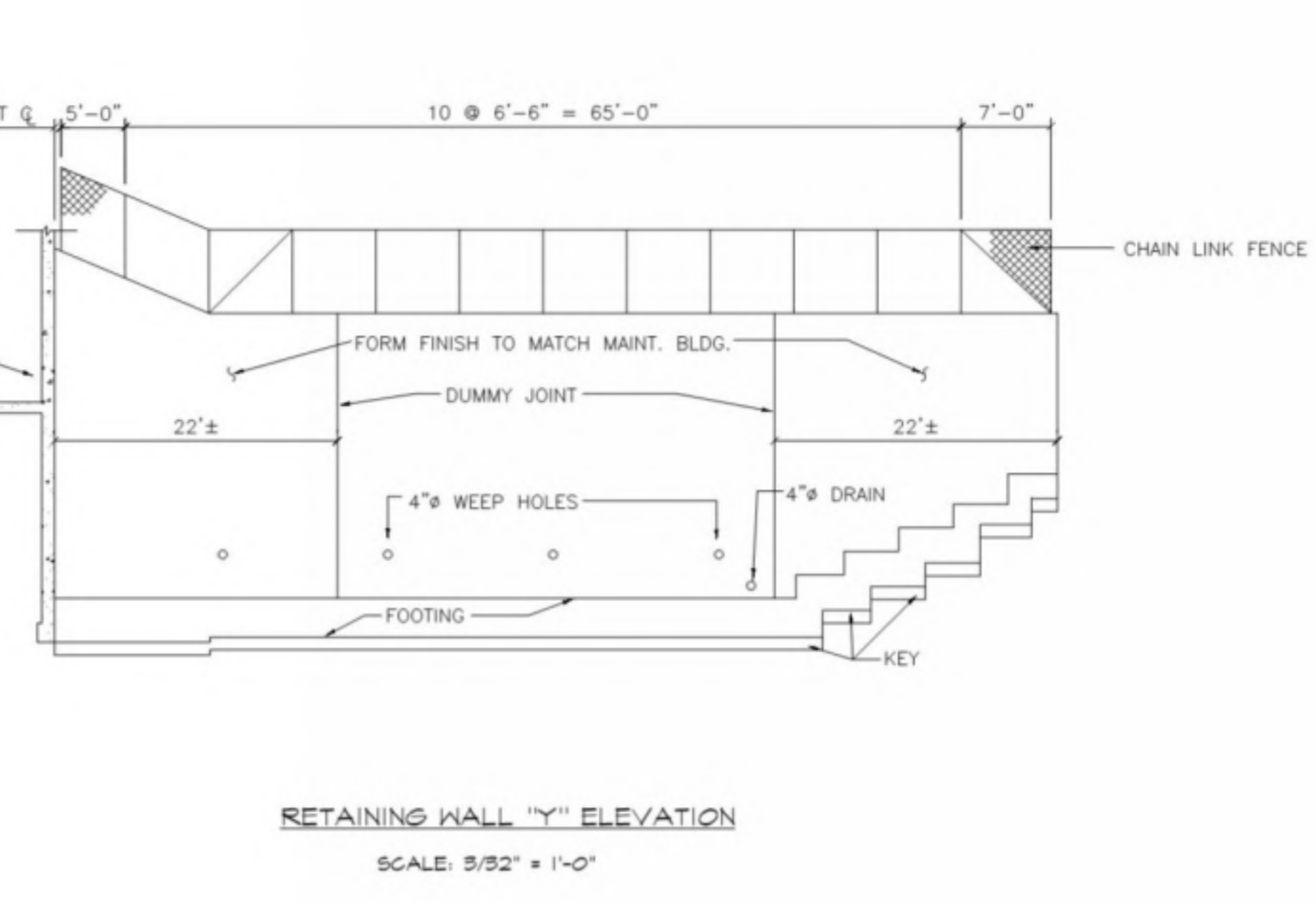
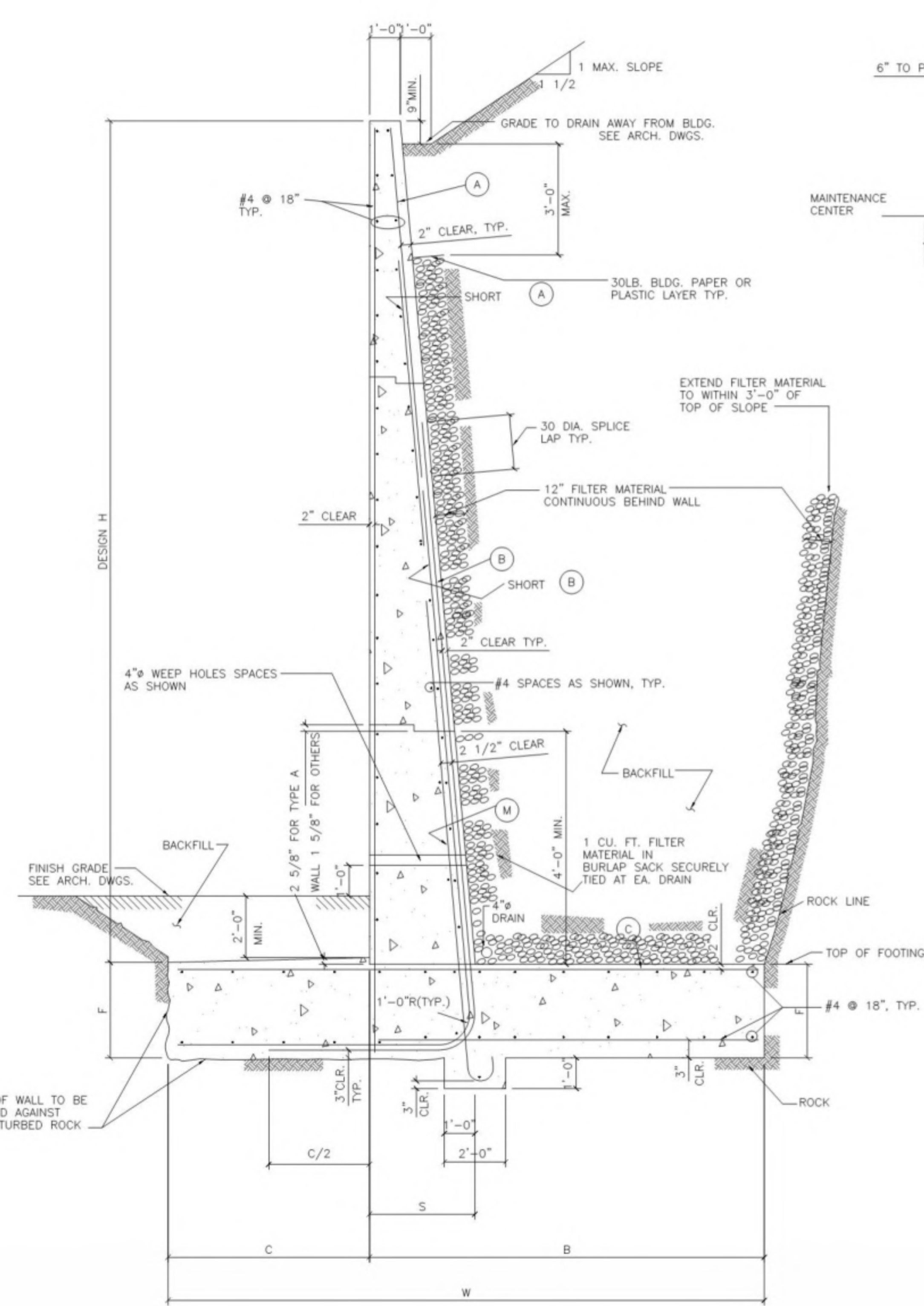
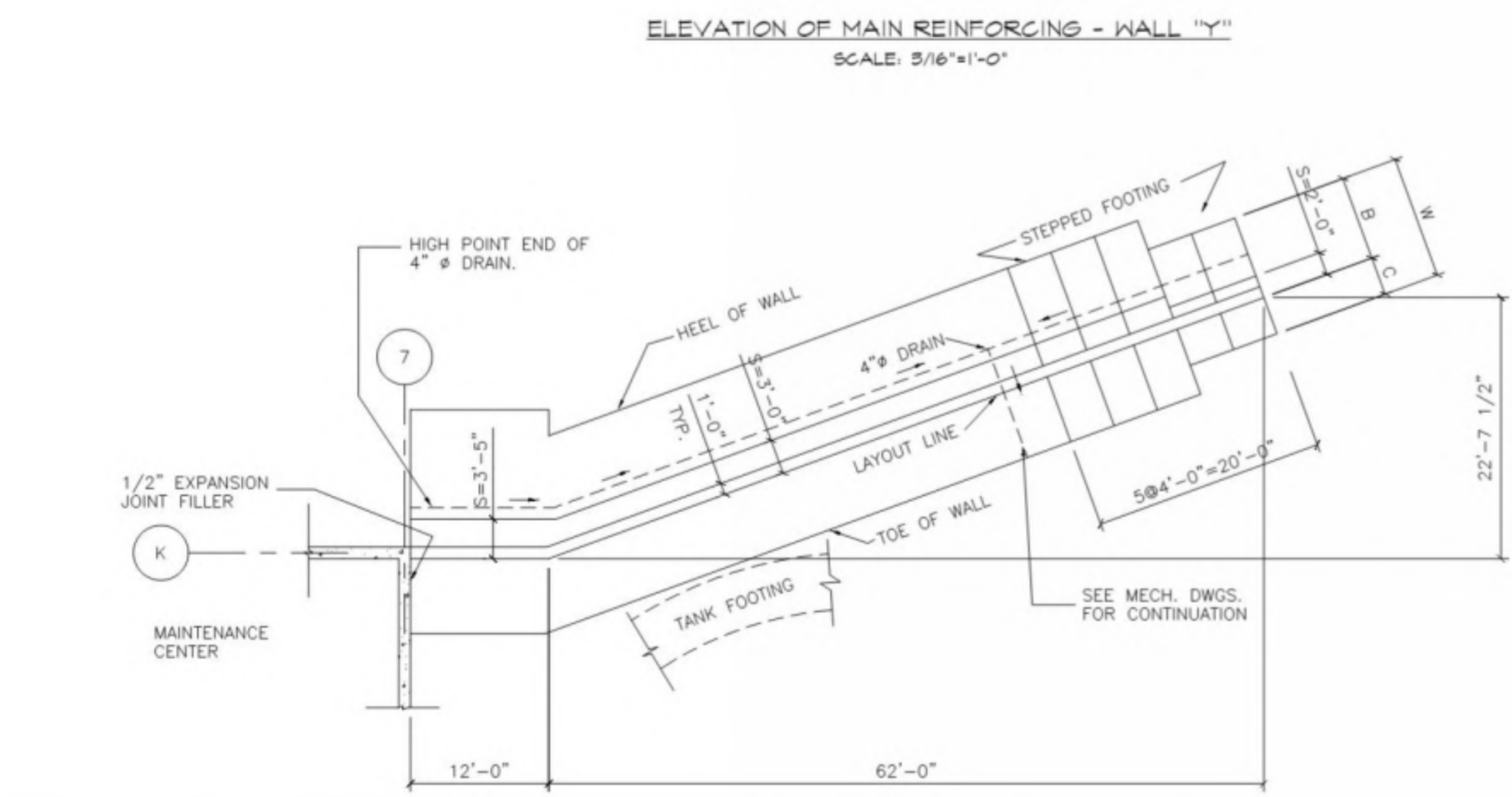
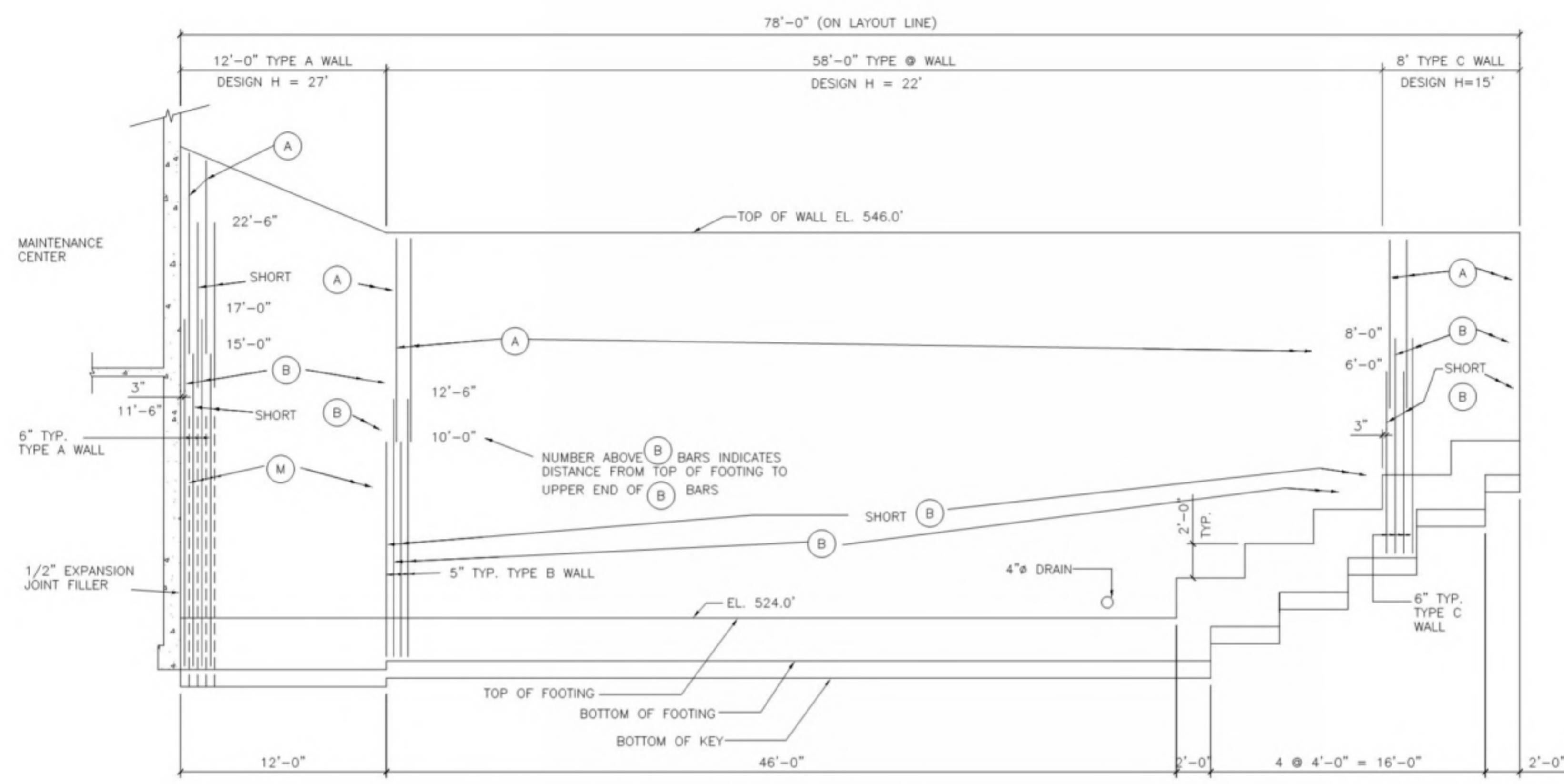
RETAINING WALL "A" ELEVATION  
SCALE: 1/8"=1'-0"

WALL "B" DRAINAGE SECTION  
SCALE: 1/4"=1'-0"

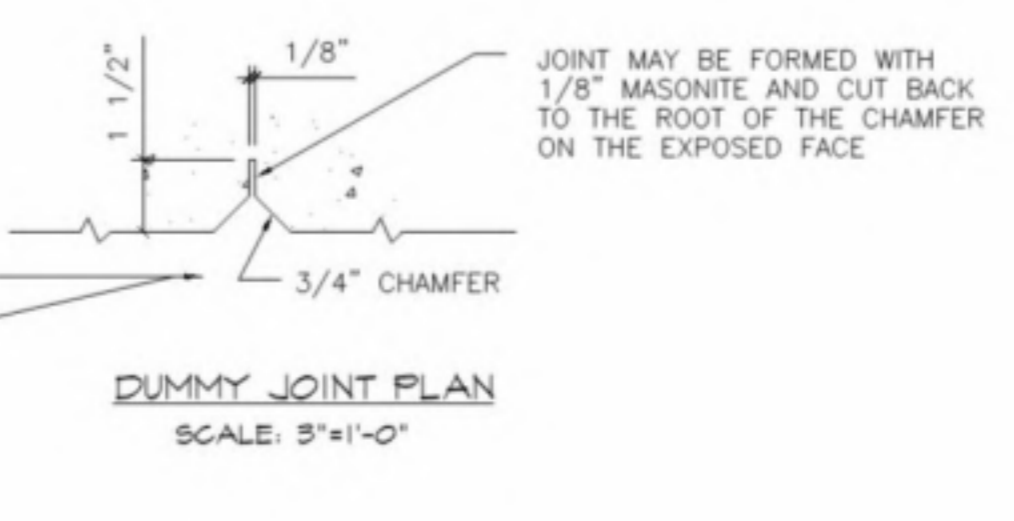
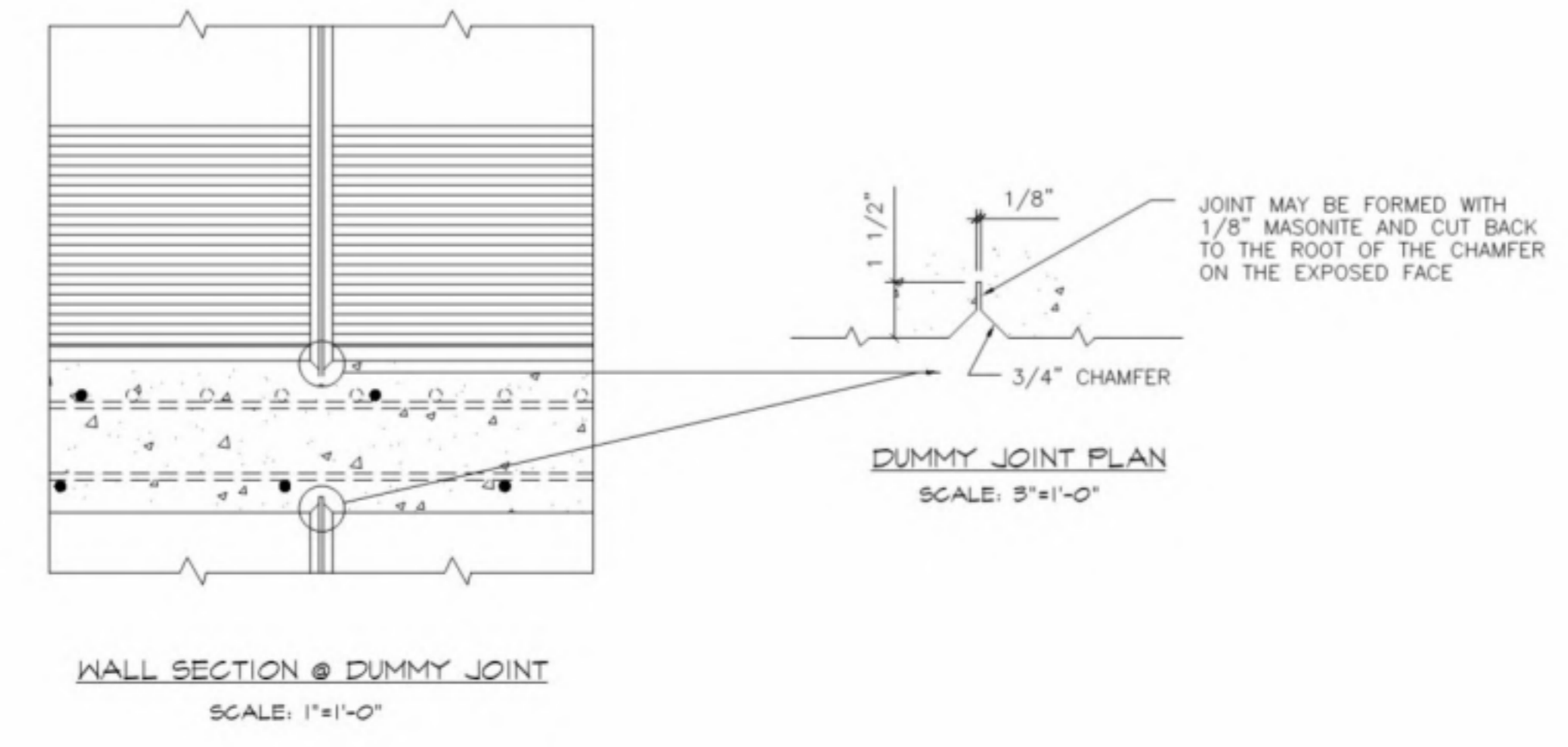
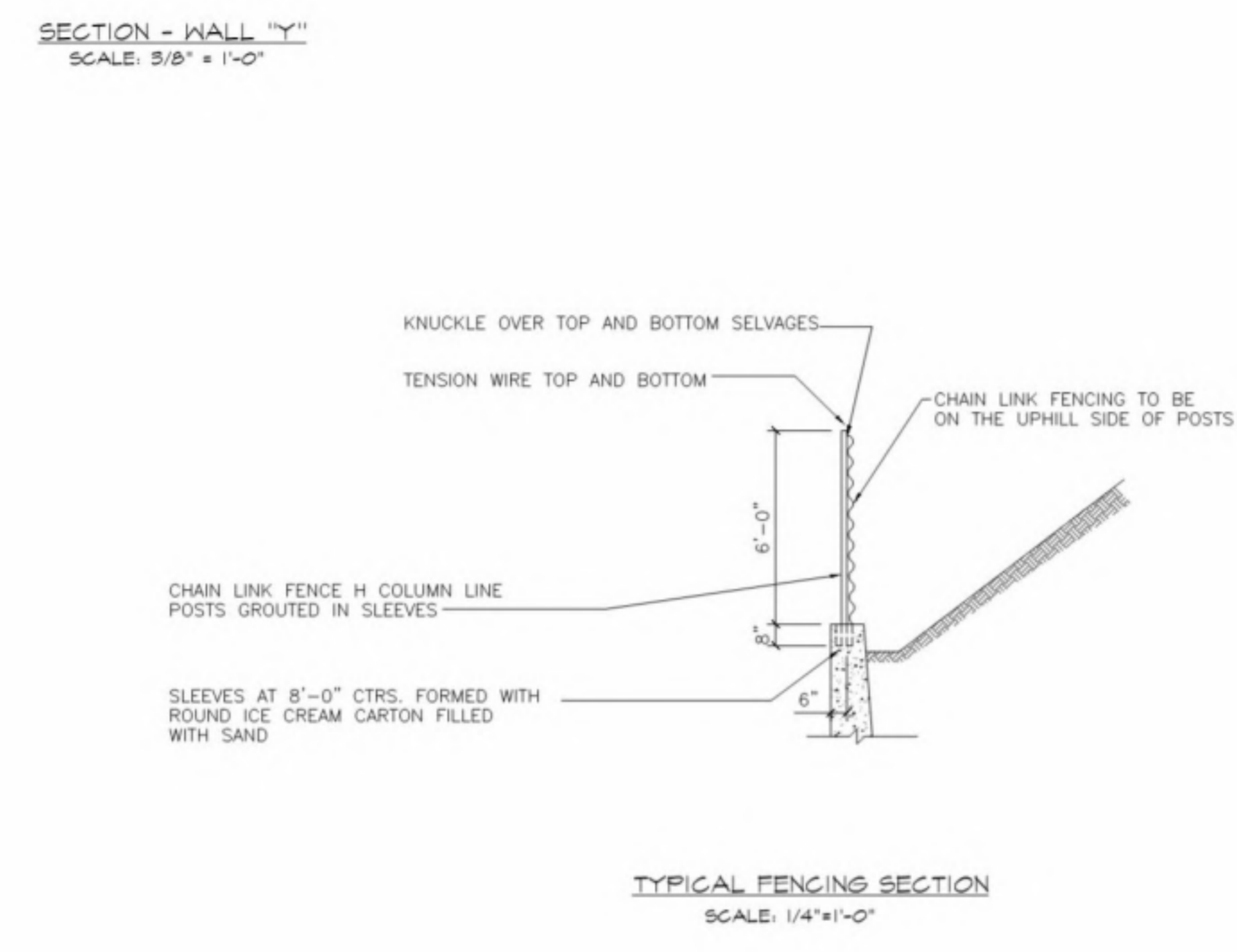
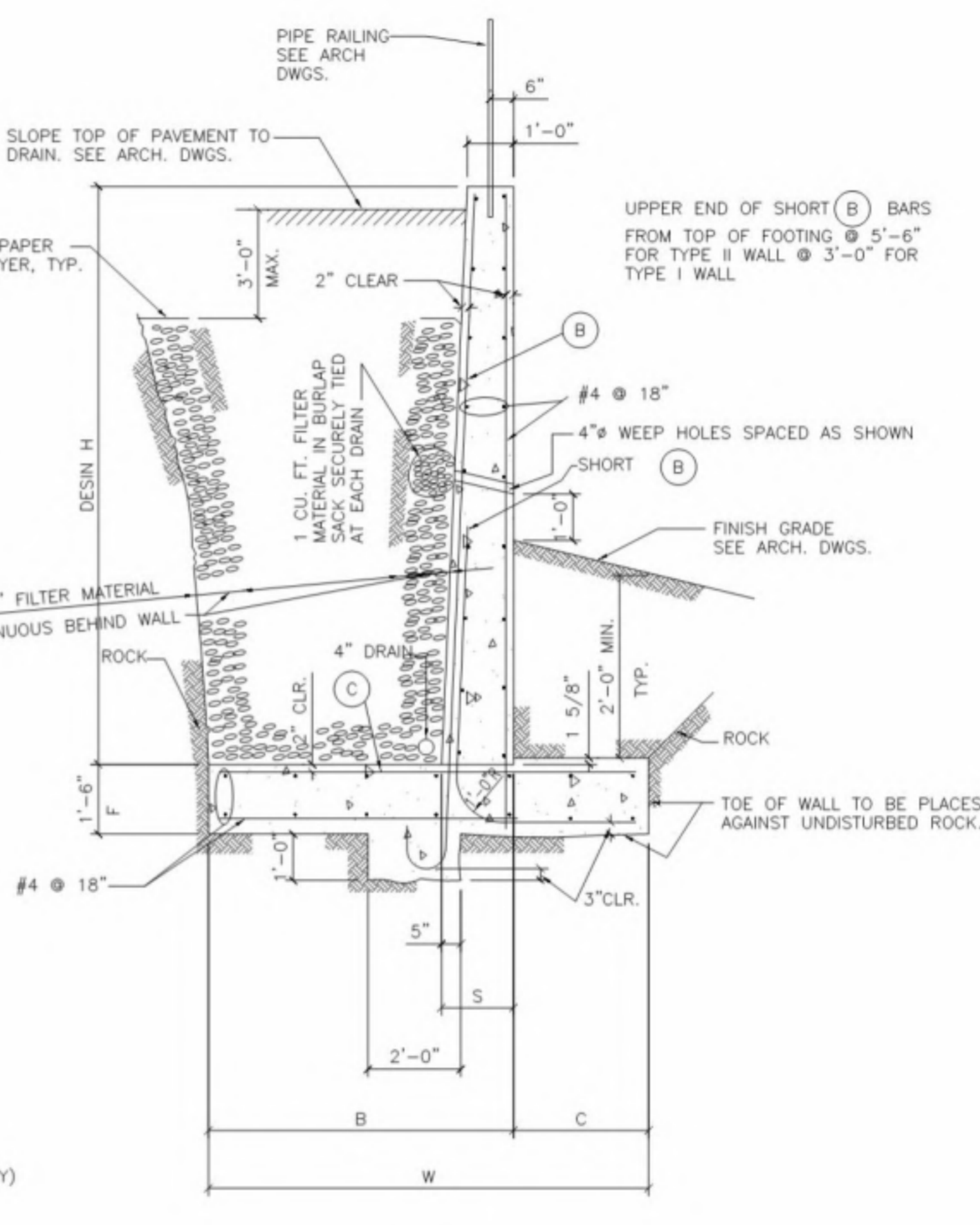
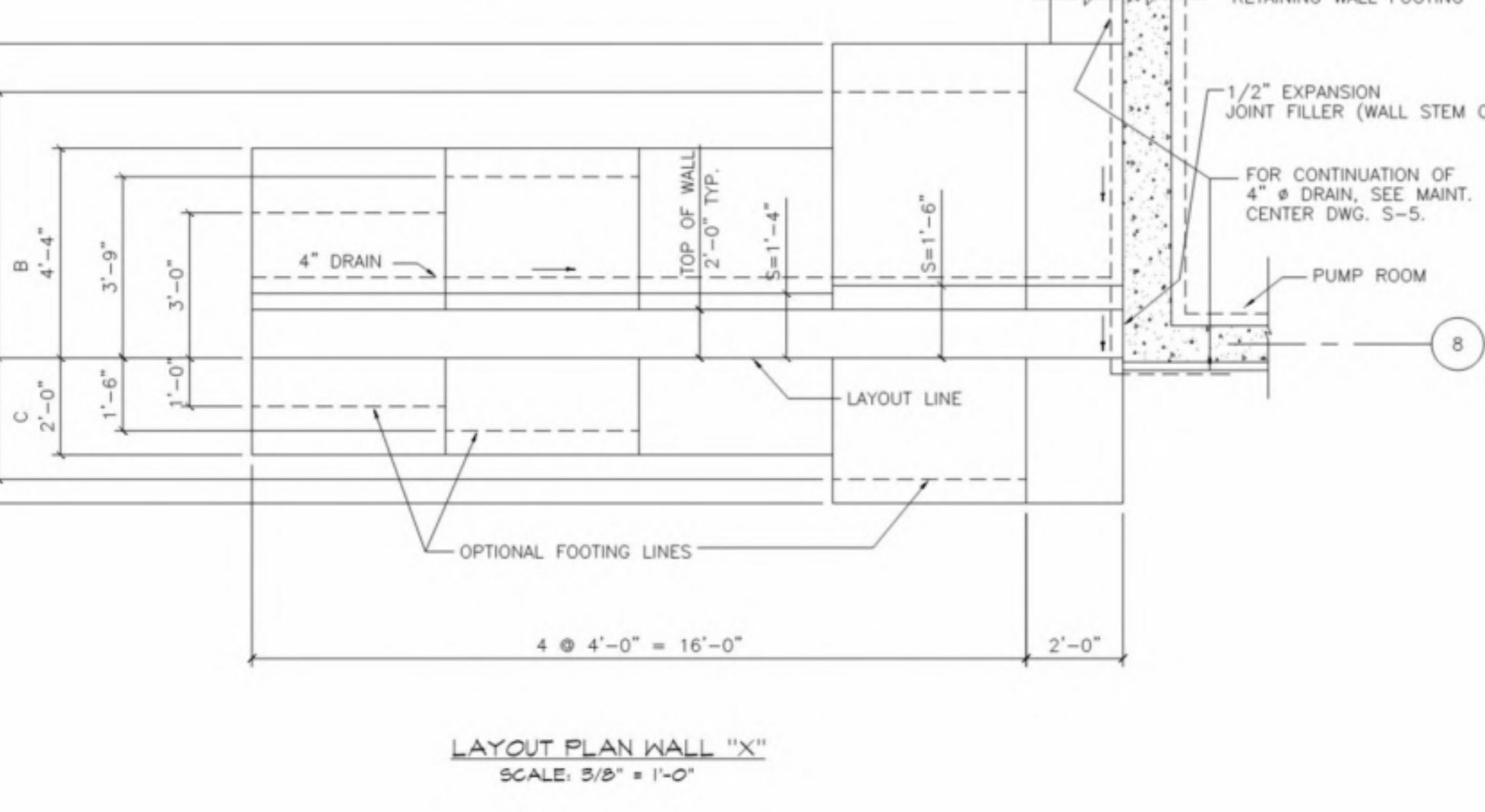
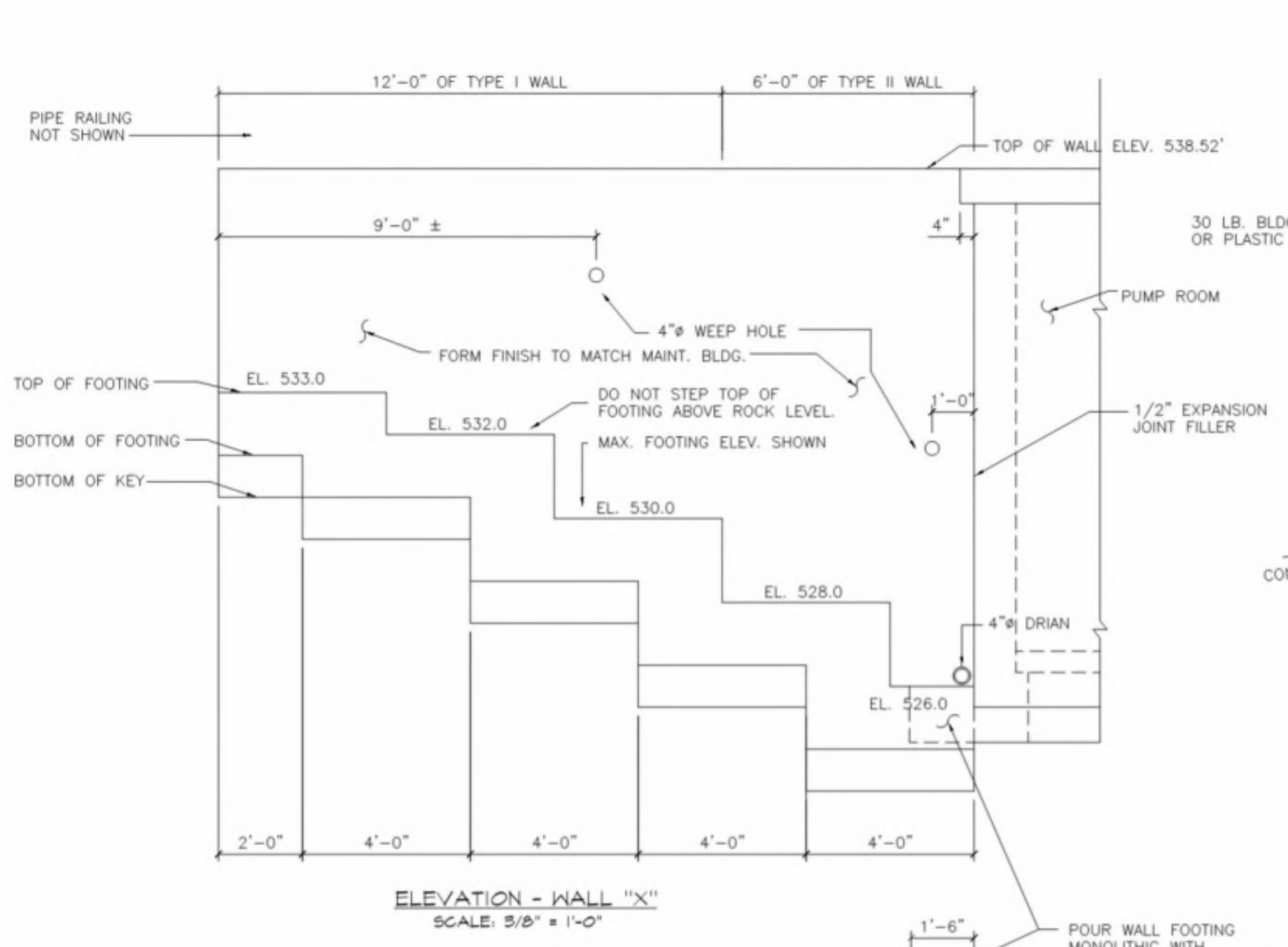
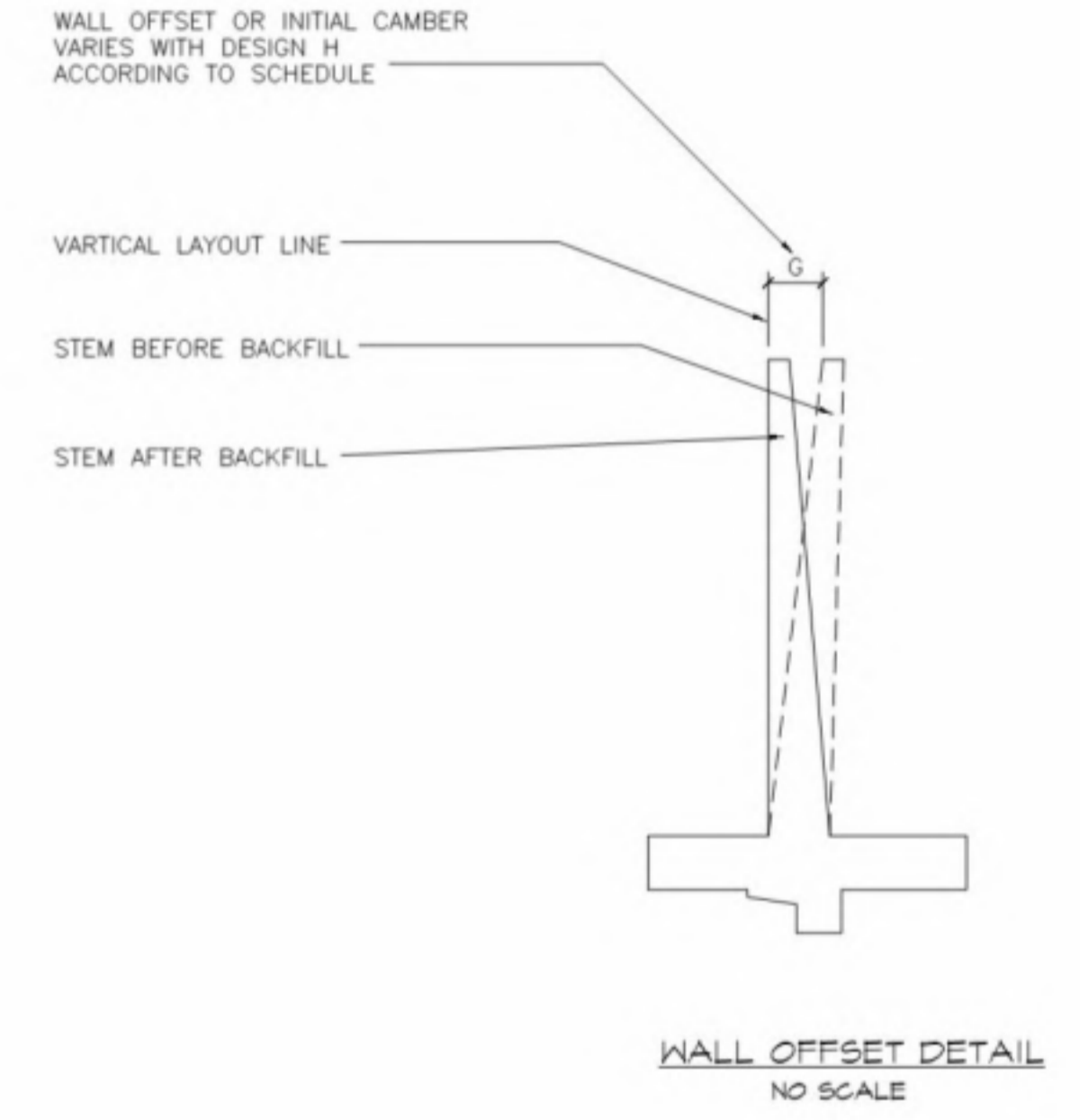
SECTION WALL "B"  
SCALE: 1/4"=1'-0"

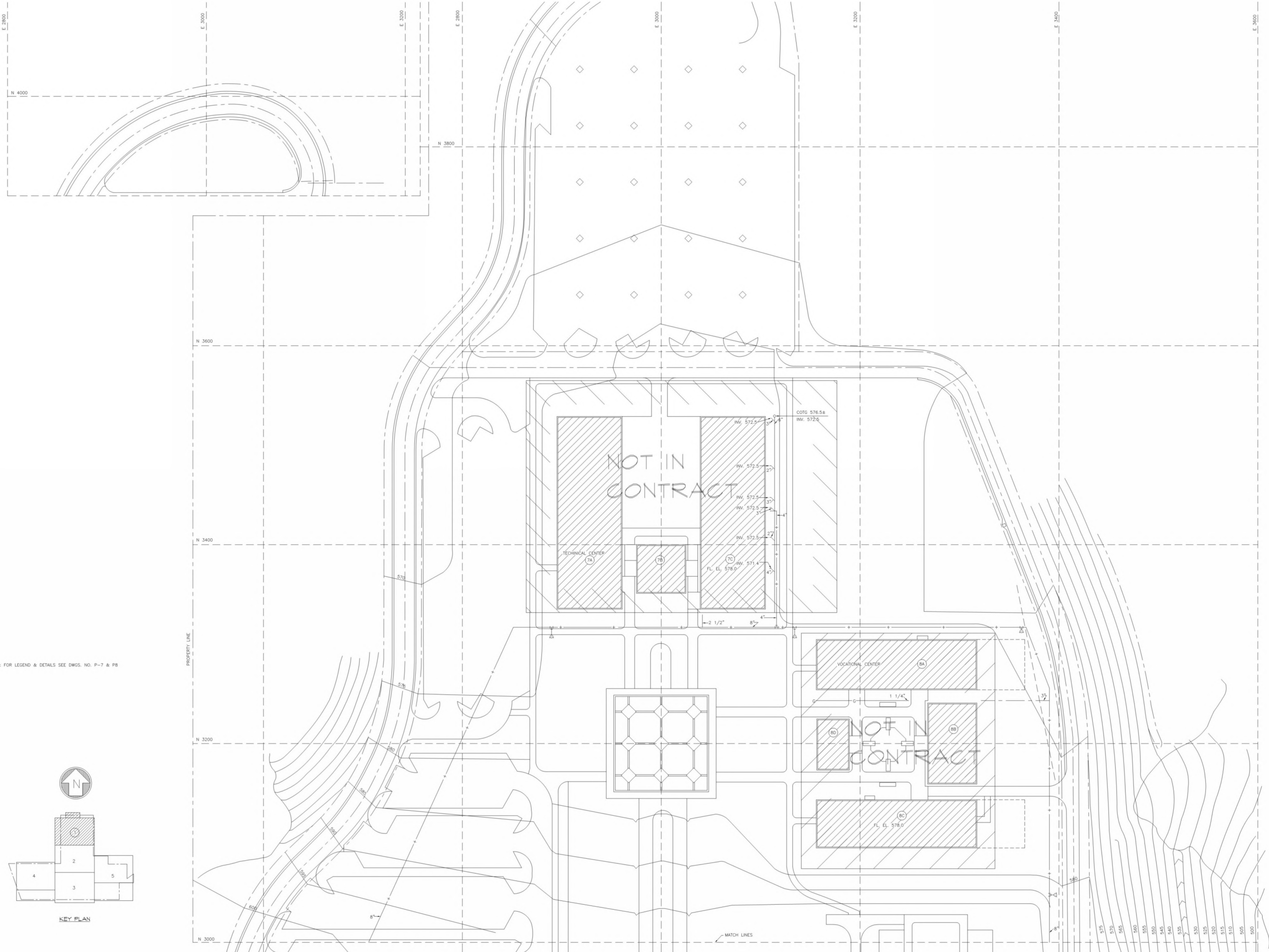




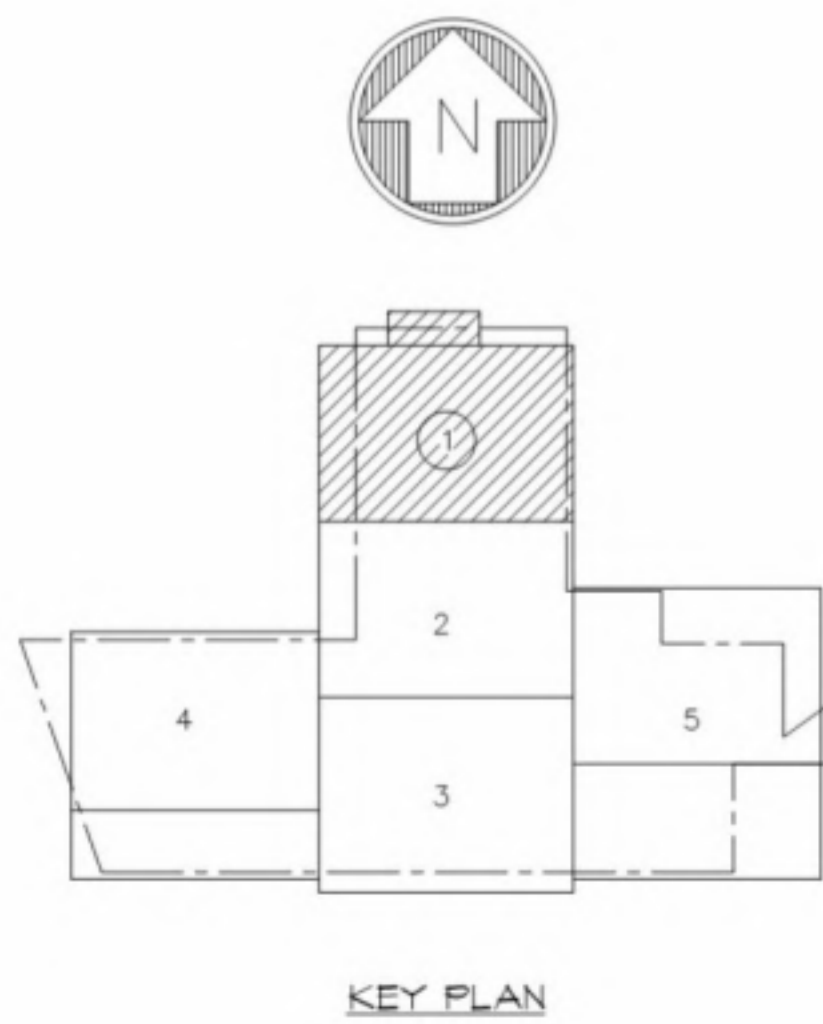


WALL	"Y"			"X"	
TYPE	A	B	C	I	II
DESIGN H	27'	22'	15'	8'	13'
W	19'-5"	15'-9"	10'-9"	6'-4"	9'-6"
C	6'-6"	5'-9"	3'-6"	2'-0"	3'-0"
B	12'-11"	10'-0"	7'-3"	4'-4"	6'-6"
F	3'-3"	2'-9"	2'-0"	1'-5"	1'-5"
A BARS	#9 @ 6"	#9 @ 10"	#6 @ 12"	-	-
B BARS	#11 @ 6"	#11 @ 5"	#8 @ 6"	#6 @ 6"	#9 @ 6"
C BARS	#11 @ 6"	#8 @ 5"	#6 @ 6"	#4 @ 6"	#7 @ 6"
M BARS	#11 @ 6"	-	-	-	-
G	2 1/2"	2"	1"	1/2"	3/4"

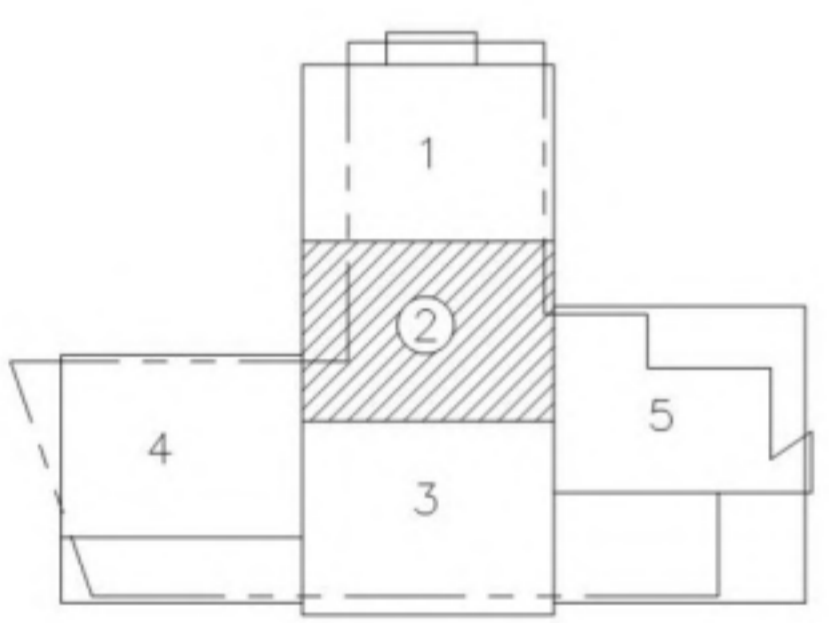
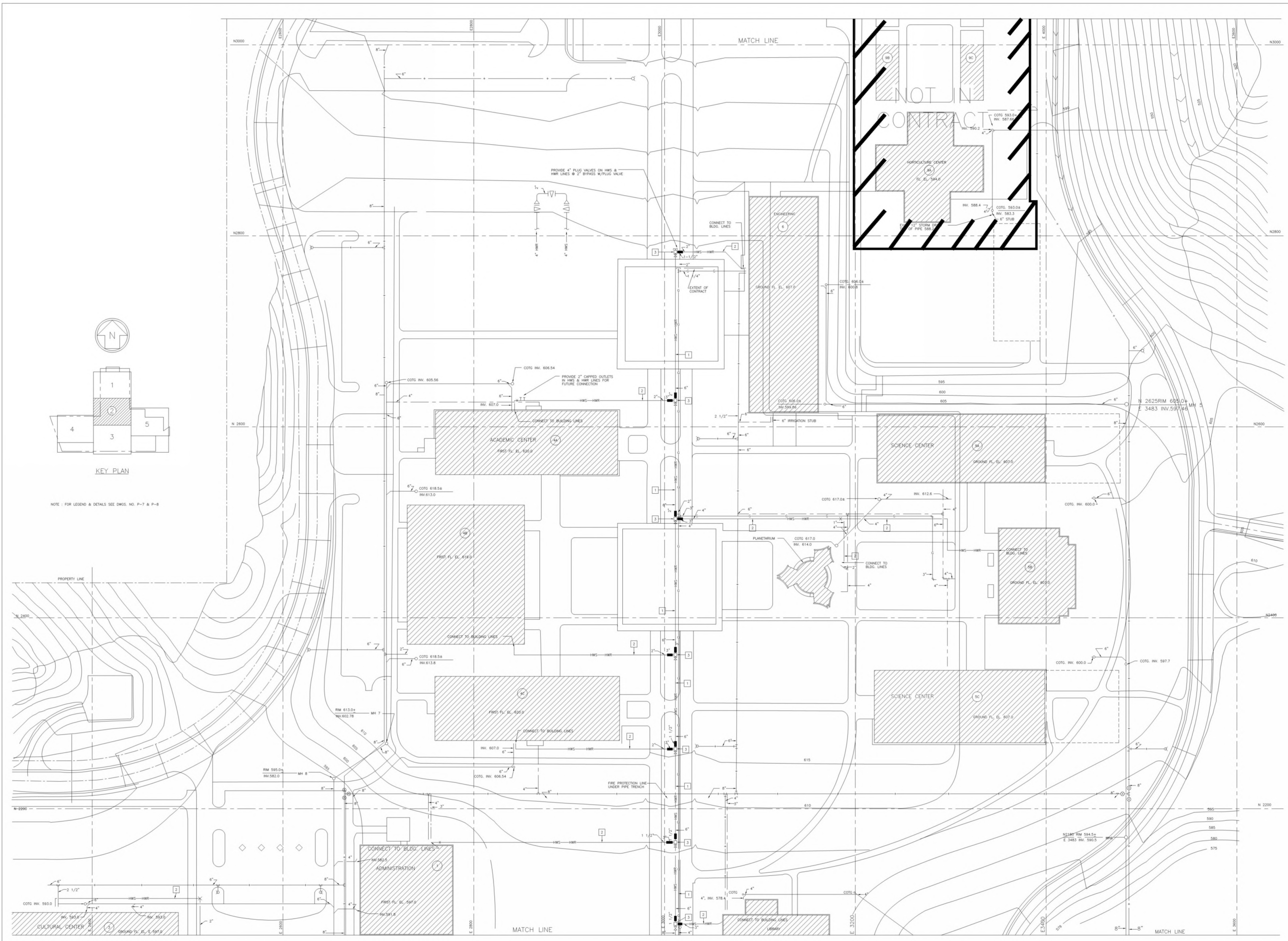




NOTE: FOR LEGEND & DETAILS SEE DWGS. NO. P-7 & P8



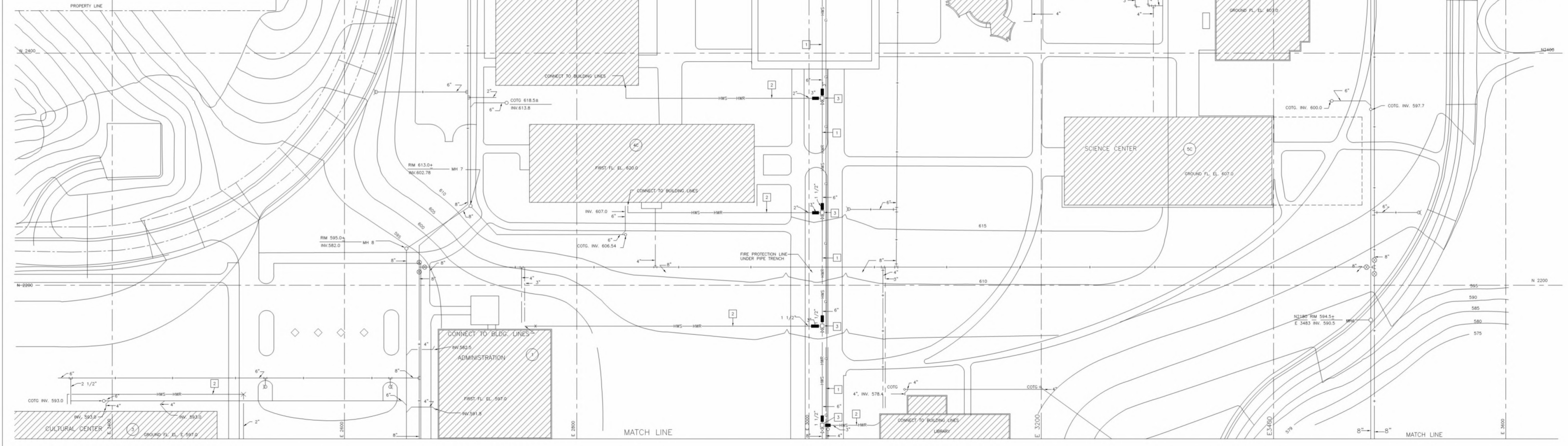
KEY PLAN



KEY PLAN

NOTE: FOR LEGEND & DETAILS SEE DWGS. NO. P-7 & P-8

PROPERTY LINE



GEORGE W. HUTCHINSON  
DIRECTOR OF BUILDING CONSTRUCTION  
**SAN MATEO JUNIOR COLLEGE DISTRICT**

JULIO L. BORTOLAZZO  
SUPERINTENDENT

JOHN CARL WARNECKE, ARCHITECT

JOHN A. BLUME & ASSOC. ENGINEERS  
STRUCTURAL ENGINEERS  
KELLER & GANNON  
MECHANICAL & ELECTRICAL ENGINEERS  
LANDSCAPE ARCHITECTS

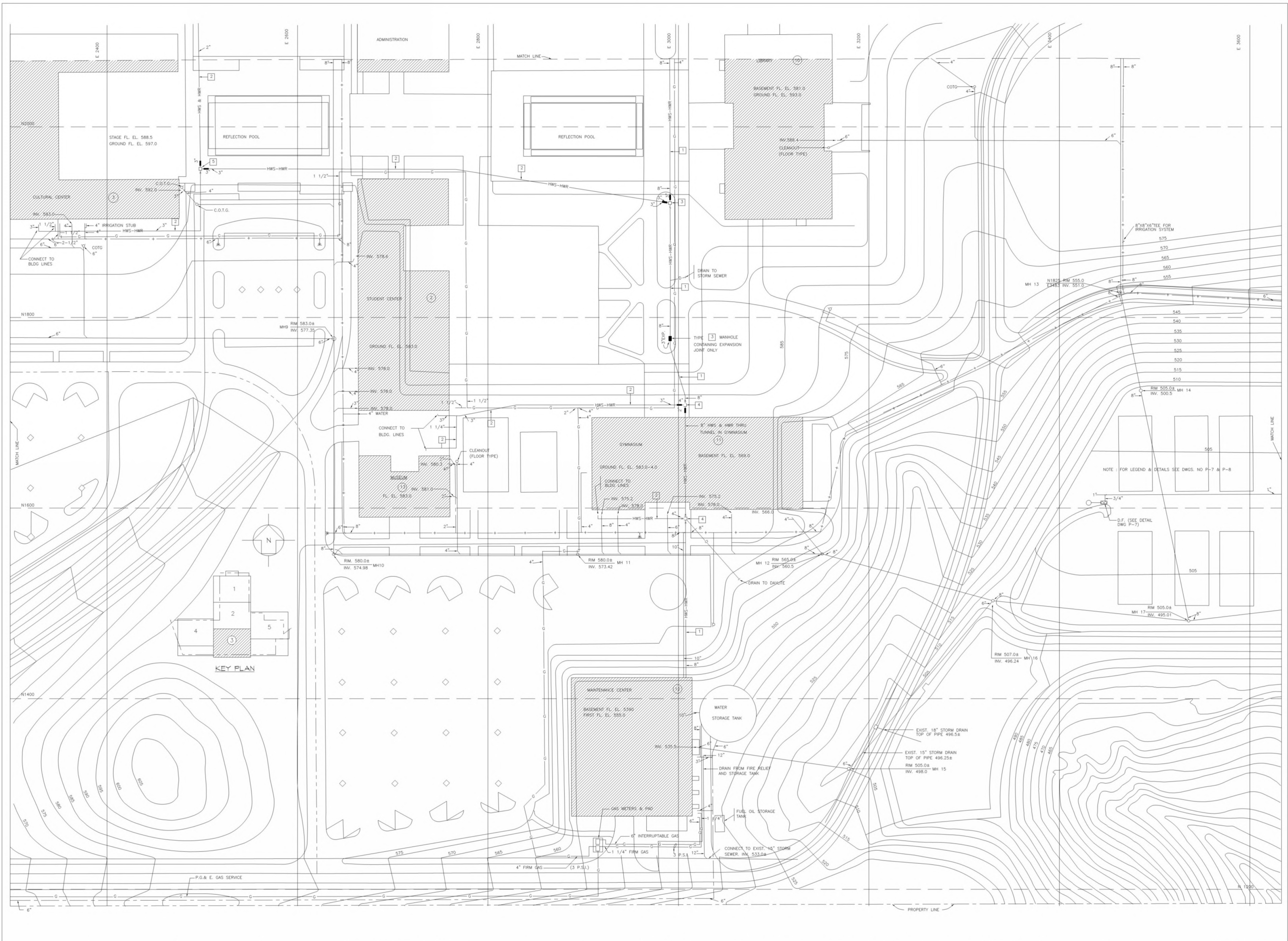
JOHN CARL WARNECKE  
A.I.A. ARCHITECT  
111 NEW MONTGOMERY ST. • SAN FRANCISCO

**COLLEGE OF SAN MATEO**  
COLLEGE HEIGHTS CAMPUS  
SAN MATEO, CALIF.

JOB NO. DATE  
DRAWN BY CHECKED BY

1 DEC. 1960  
SITE DEVELOPMENT  
UTILITIES QUAD No. 2 1"=30'-0"

BLDG. NO. SHEET NO.  
**D P2**  
OF 8



GEORGE W. HUTCHINSON  
DIRECTOR OF BUILDING CONSTRUCTION  
SAN MATEO JUNIOR COLLEGE DISTRICT

JULIO L. BORTOLAZZO  
SUPERINTENDENT

KELLER & GANNON  
MECHANICAL & ELECTRICAL ENGINEERS  
ROYSTON, HANAMOTO AND MAYES  
LANDSCAPE ARCHITECTS

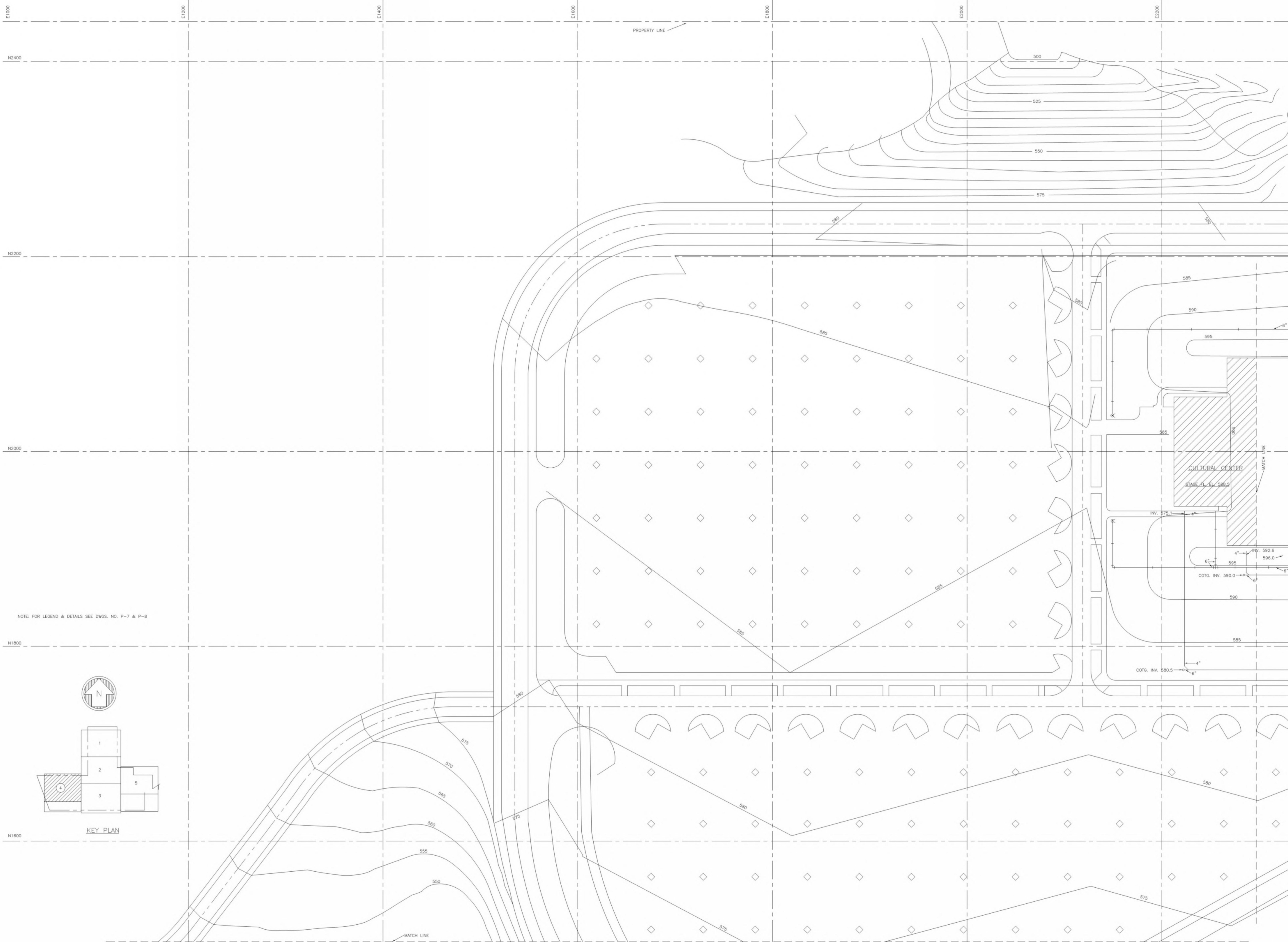
JOHN CARL WARNECKE  
A.I.A. ARCHITECT  
111 NEW MONTGOMERY ST. • SAN FRANCISCO

**COLLEGE OF SAN MATEO**  
COLLEGE HEIGHTS CAMPUS  
SAN MATEO, CALIF.

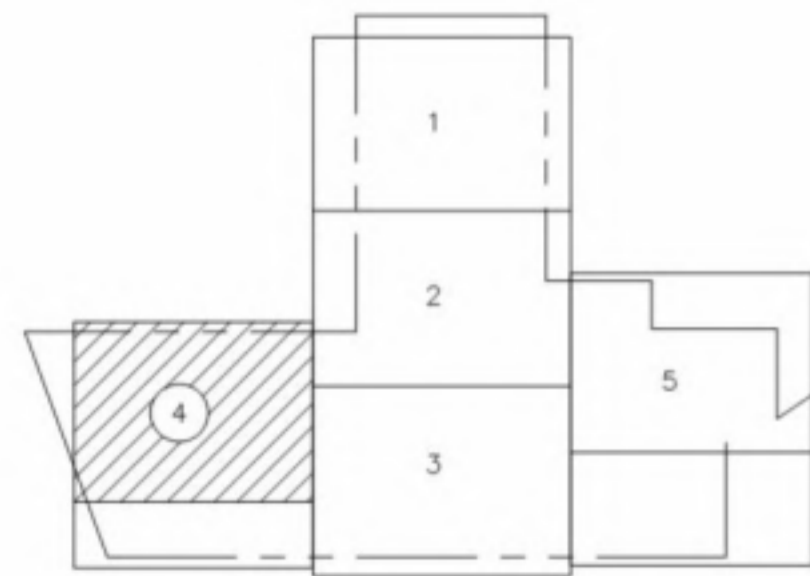
JOB NO. DATE  
DRAWN BY: E.H. CHECKED BY: COL/RAW

SITE DEVELOPMENT  
UTILITIES QUAD No. 3  
1"=30'-0"

BLDG. NO. SHEET NO.  
D P3  
OF 6



NOTE: FOR LEGEND & DETAILS SEE DWGS. NO. P-7 & P-8



KEY PLAN

GEORGE W. HUTCHINSON  
DIRECTOR OF BUILDING CONSTRUCTION  
SAN MATEO JUNIOR COLLEGE DISTRICT

JULIO L. BORTOLAZZO  
SUPERINTENDENT

JOHN CARL WARNECKE, ARCHITECT

JOHN A. BLUME & ASSOC. ENGINEERS  
STRUCTURAL ENGINEERS  
KELLER & GANNON  
MECHANICAL & ELECTRICAL ENGINEERS  
LANDSCAPE ARCHITECTS

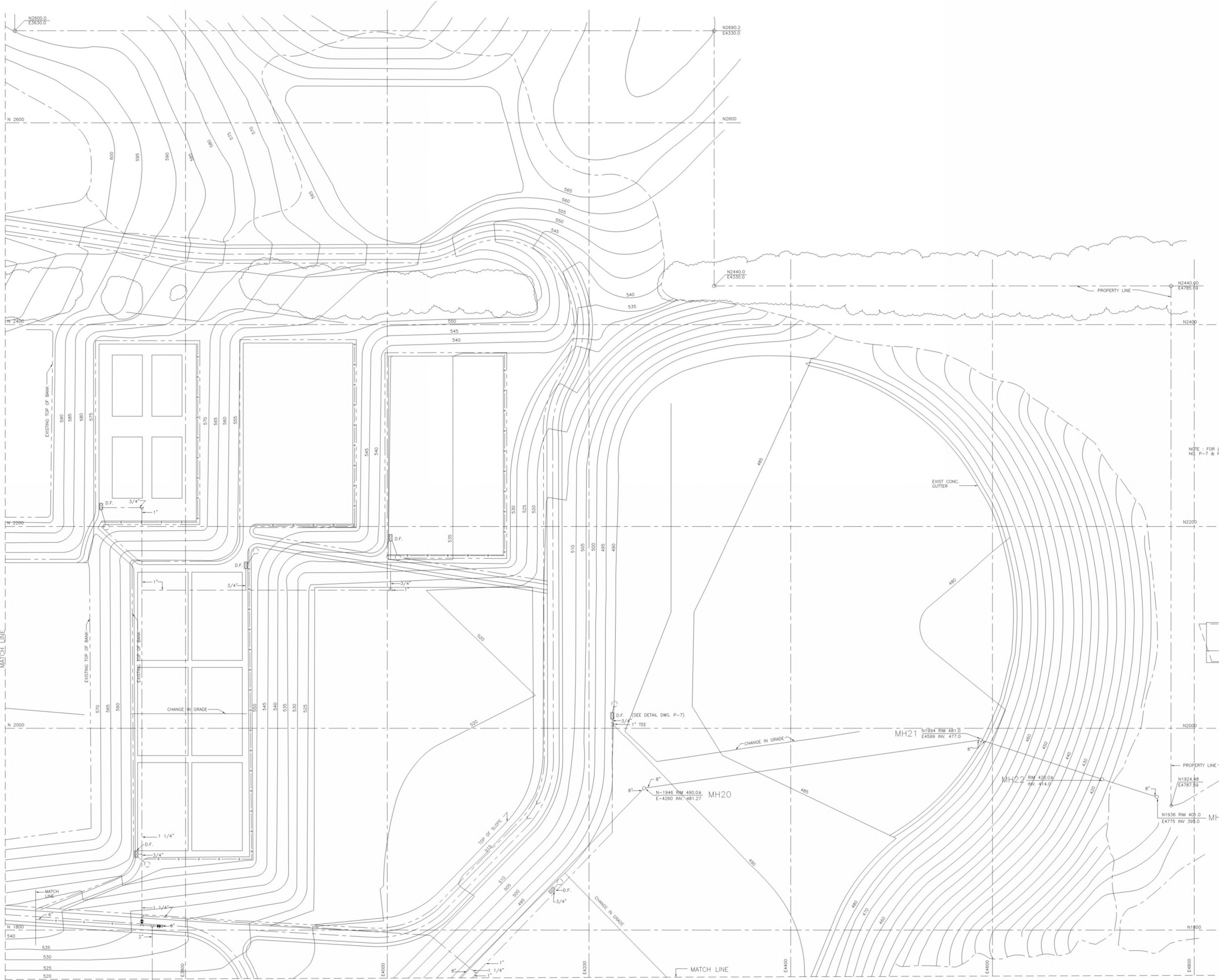
JOHN CARL WARNECKE  
A.I.A. ARCHITECT  
111 NEW MONTGOMERY ST. • SAN FRANCISCO

**COLLEGE OF SAN MATEO**  
COLLEGE HEIGHTS CAMPUS  
SAN MATEO, CALIF.

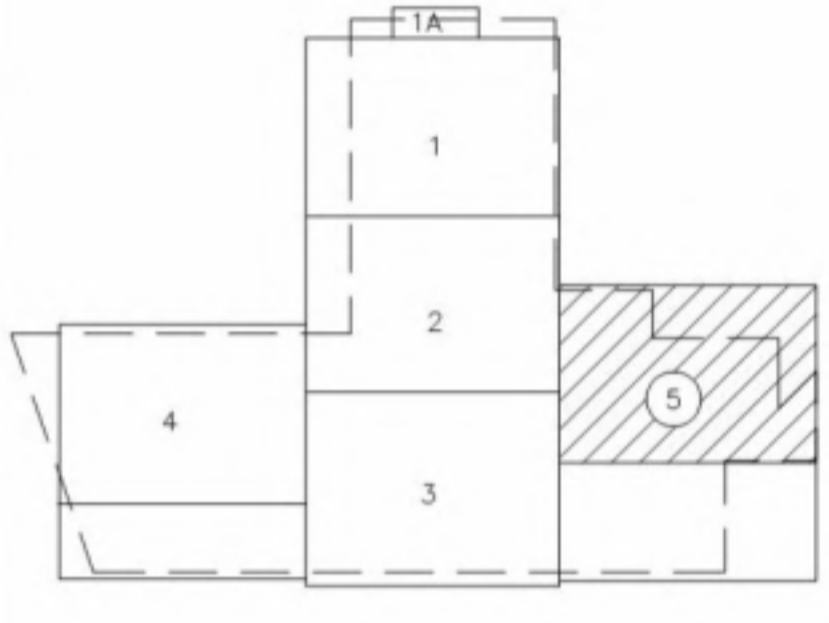
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DRAWN BY 1 DEC. 1960  
CHECKED BY

SITE DEVELOPMENT  
UTILITIES QUAD No. 4 - 1"=30'-0"

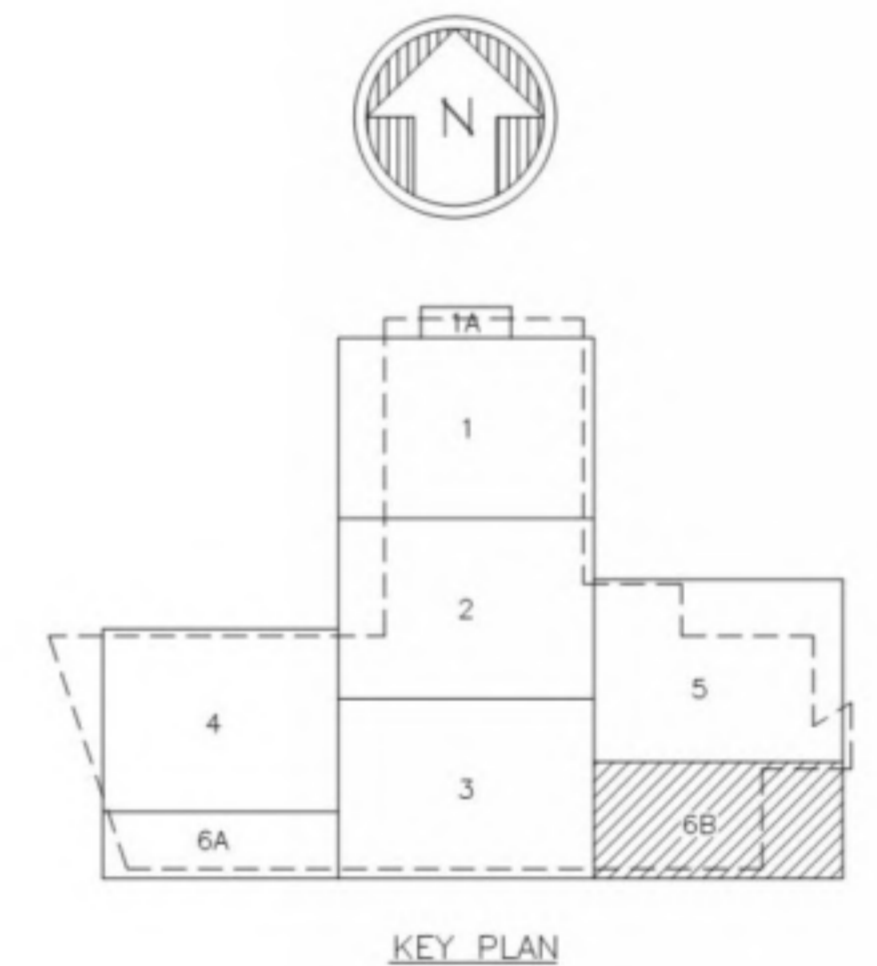
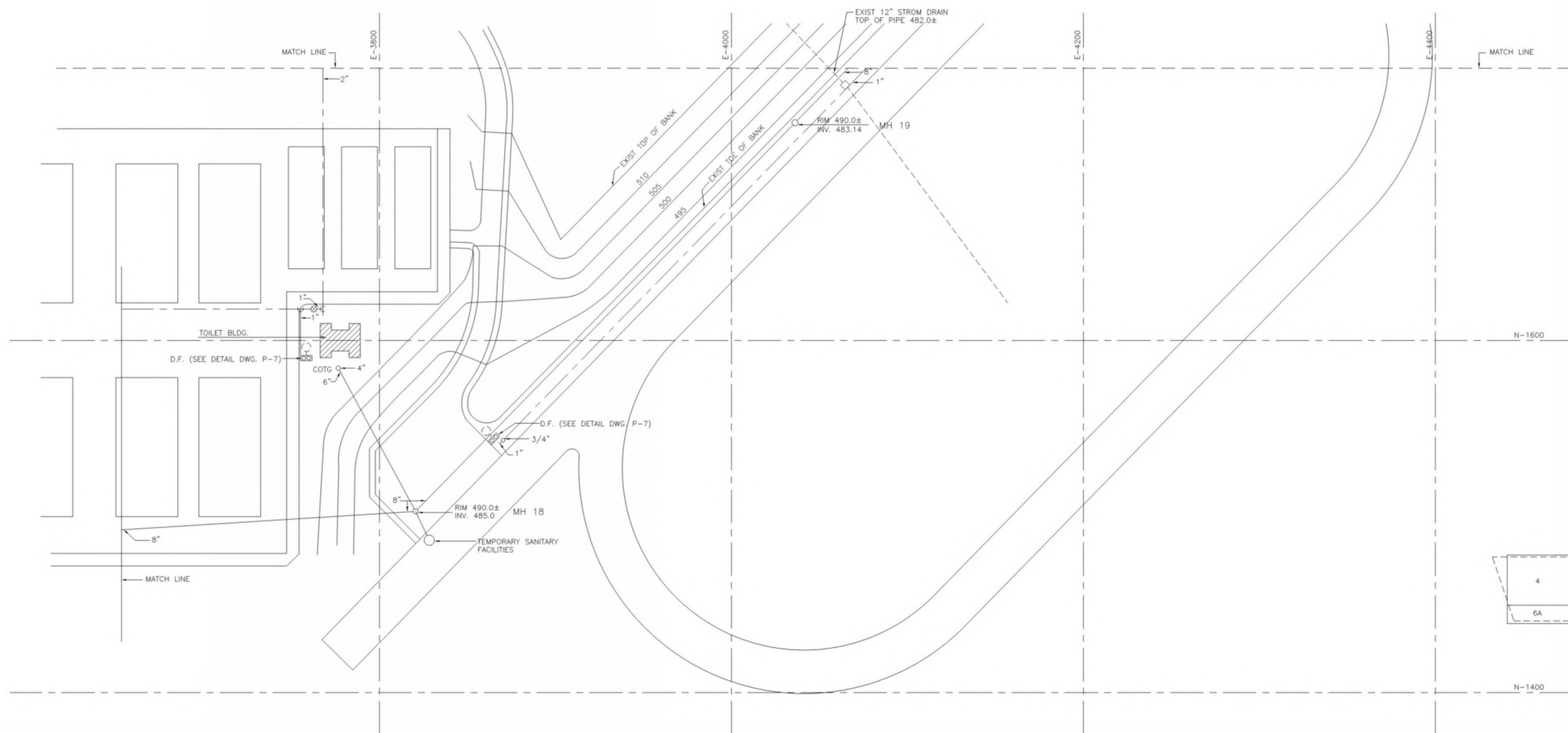
BLDG. NO. SHEET NO.  
**D P4**  
OF 8



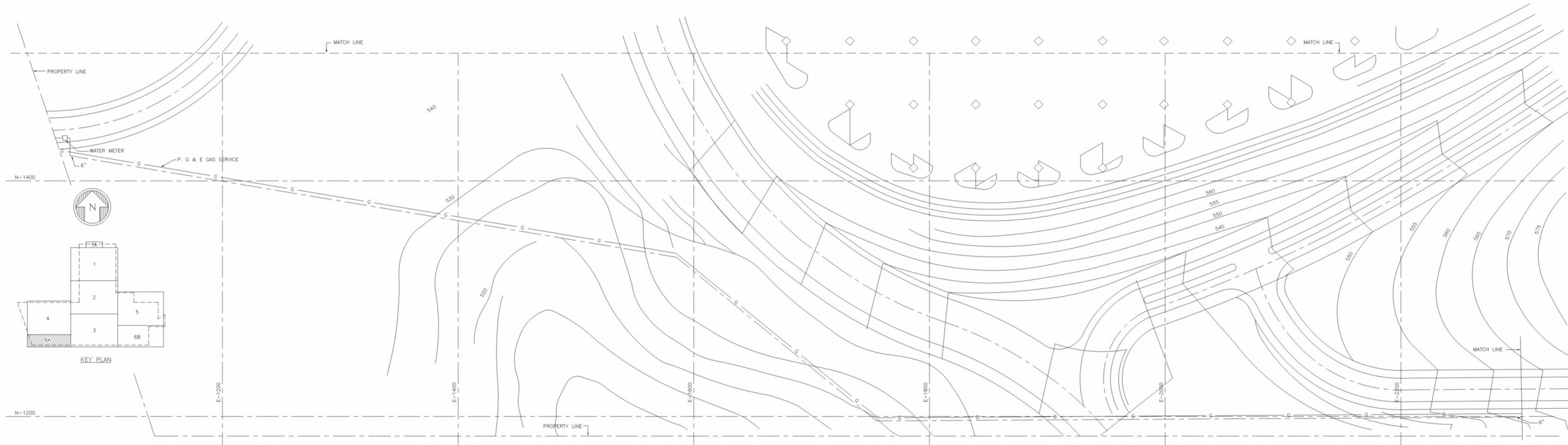
NOTE: FOR LEGEND & DETAILS SEE DWGS. N1, P-7 & P-8



KEY PLAN



NOTE: FOR LEGEND & DETAIL SEE DWG. NO. P-7 & P-8



GEORGE W. HUTCHINSON  
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LANDSCAPE ARCHITECTS

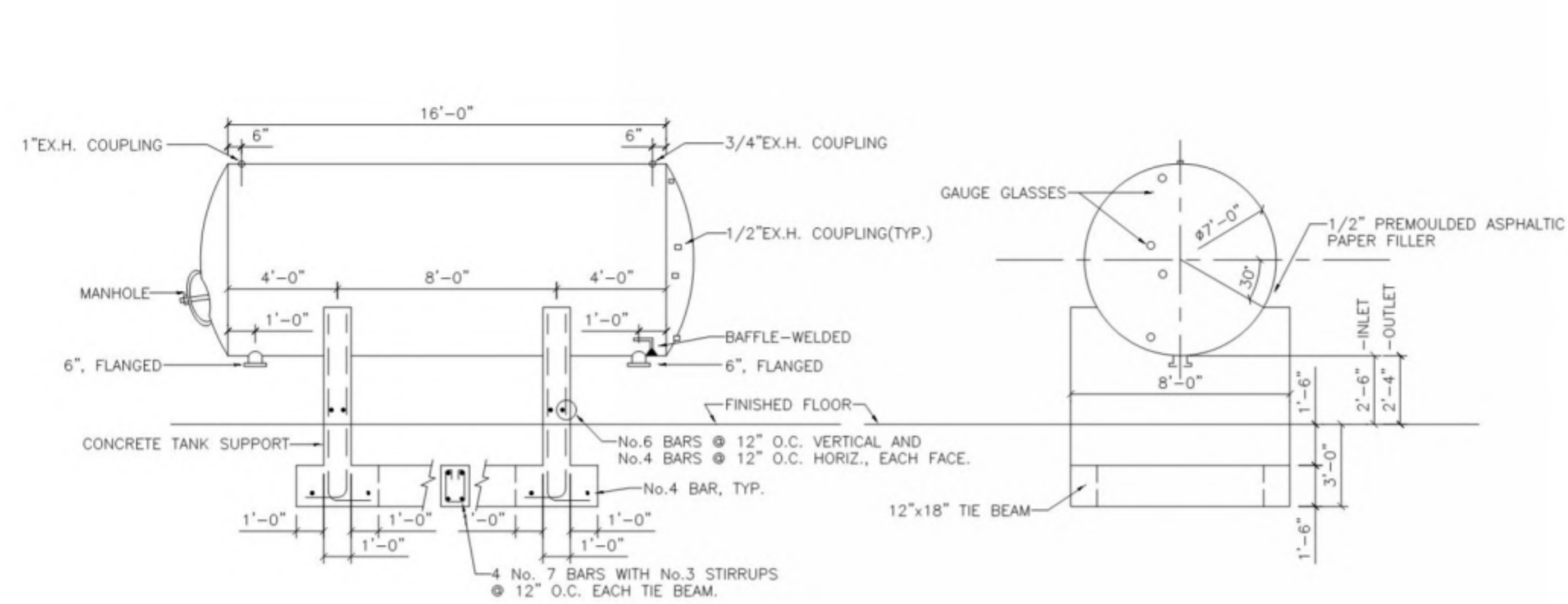
JOHN CARL WARNECKE  
A.I.A. ARCHITECT  
111 NEW MONTGOMERY ST. • SAN FRANCISCO

**COLLEGE OF SAN MATEO**  
COLLEGE HEIGHTS CAMPUS  
SAN MATEO, CALIF.

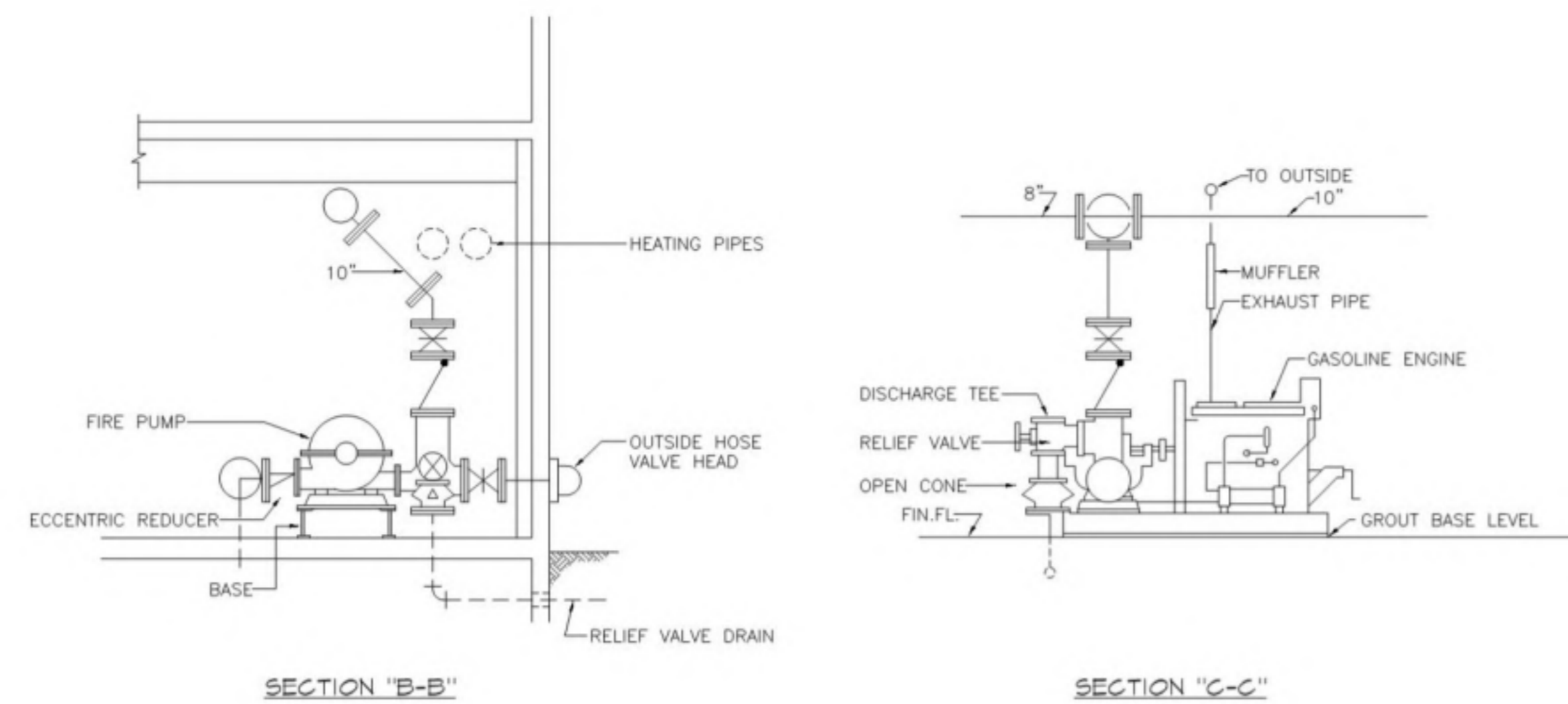
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DRAWN BY CHECKED BY

1 DEC. 1960  
SITE DEVELOPMENT  
UTILITIES QUAD NO. 6A & 6B-1"=30'-0"

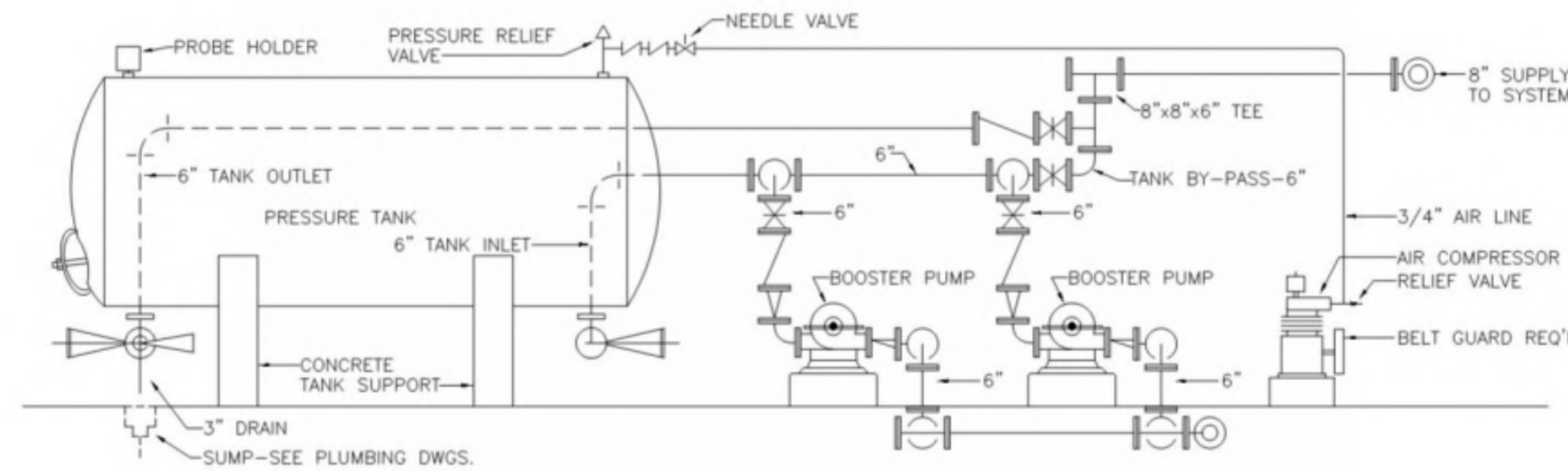
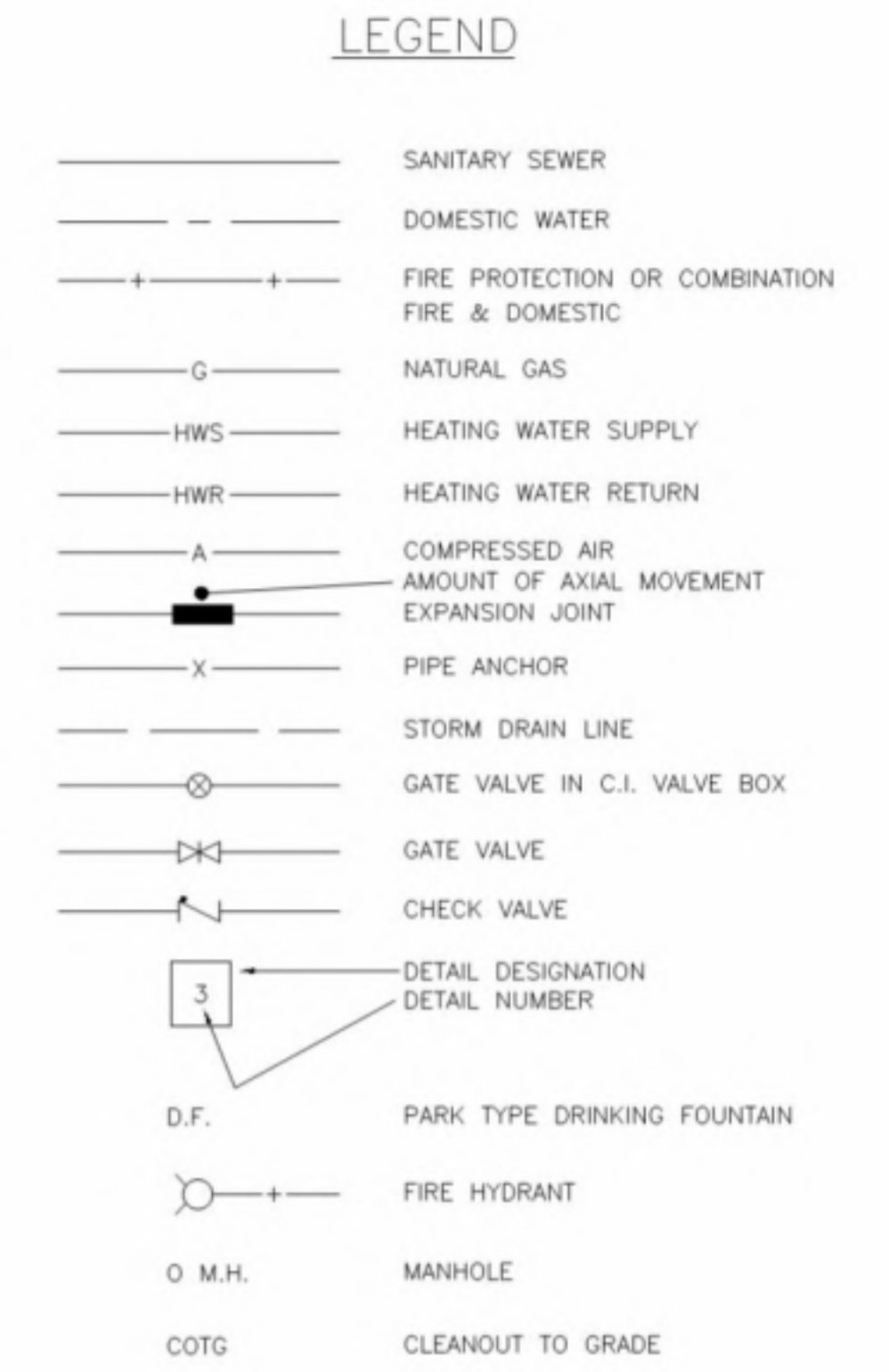
BLDG. NO. SHEET NO.  
**D P6**  
OF 8



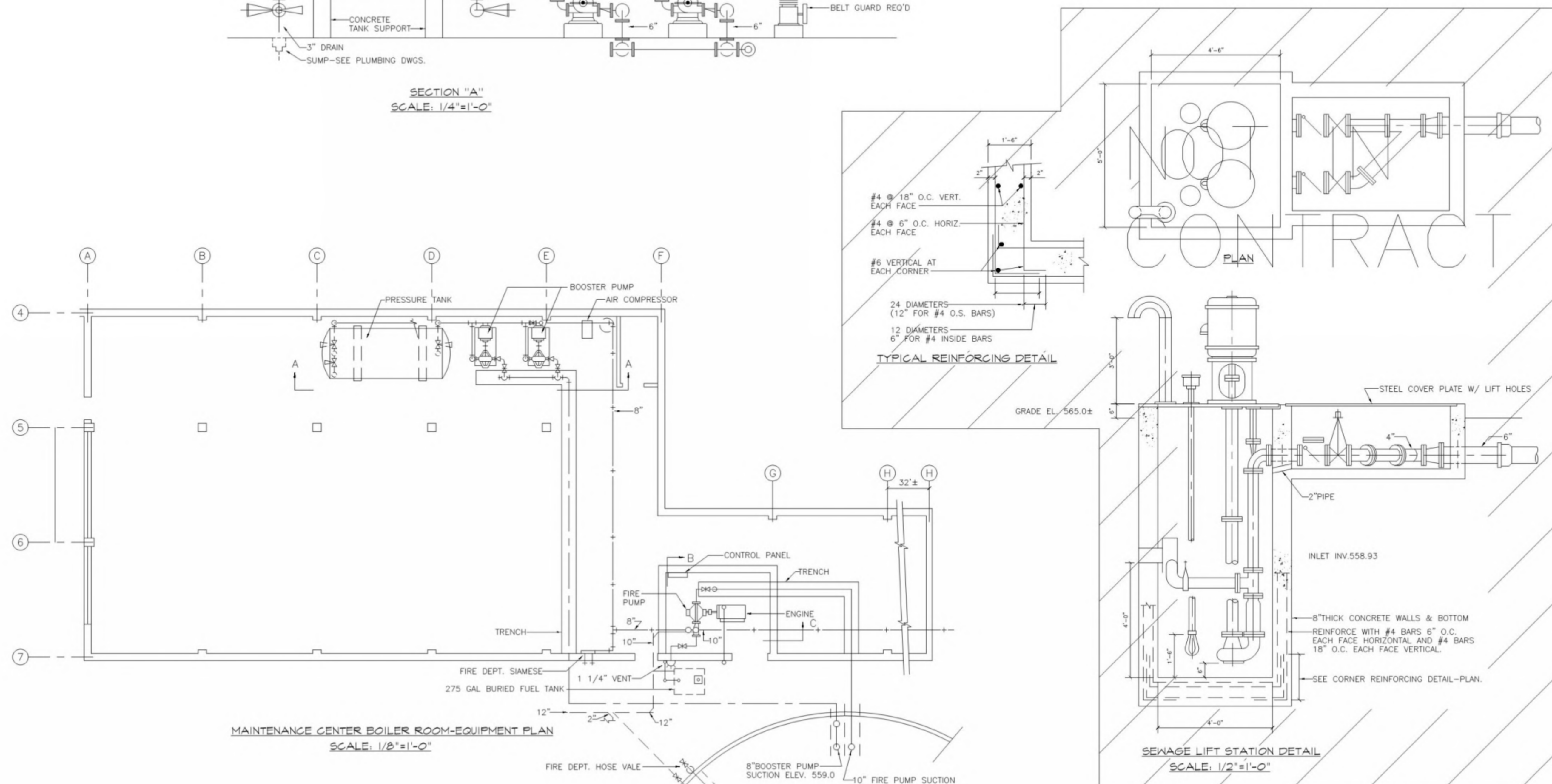
DETAIL OF HYDRO-PNEUMATIC TANK AND TANK SUPPORT  
SCALE: 1/4"=1'-0"



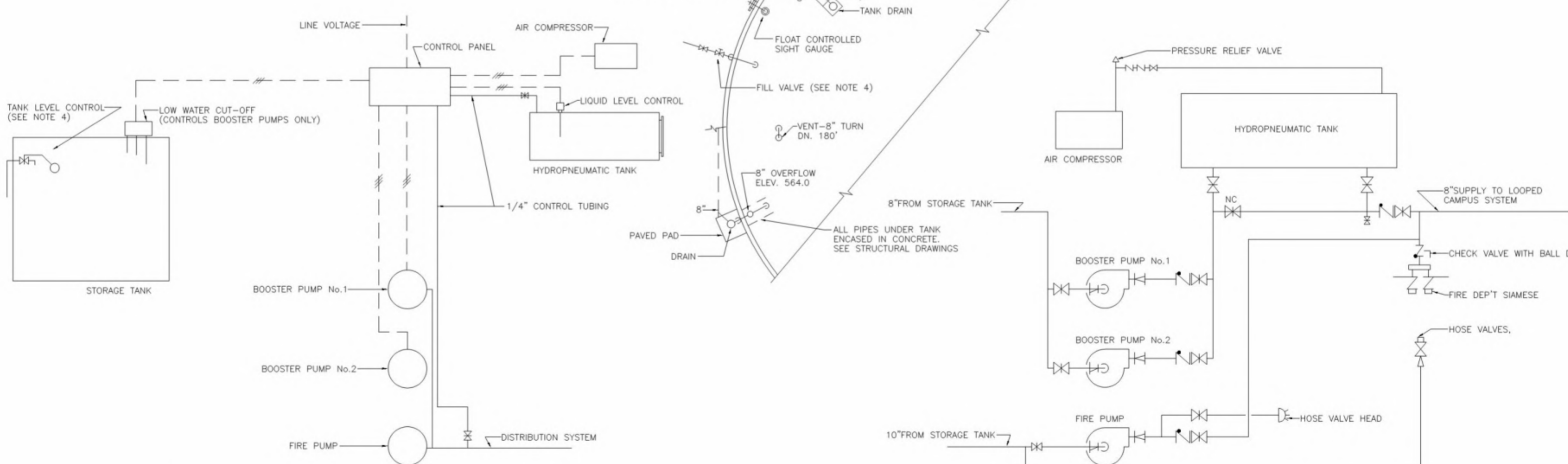
PIPE PUMP PIPING ARRANGEMENT  
SCALE: 1/4"=1'-0"



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



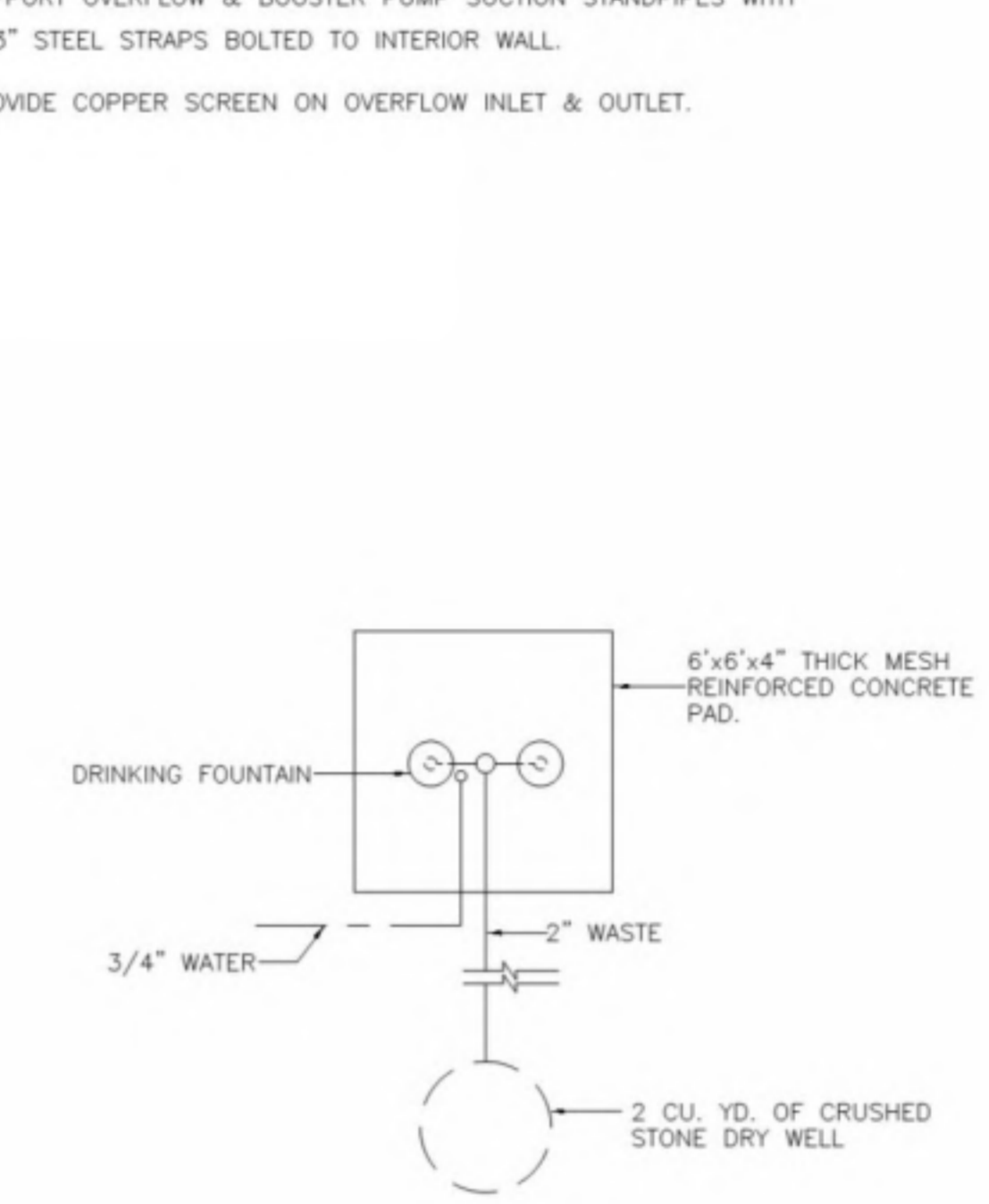
MAINTENANCE CENTER BOILER ROOM-EQUIPMENT PLAN  
SCALE: 1/8"=1'-0"



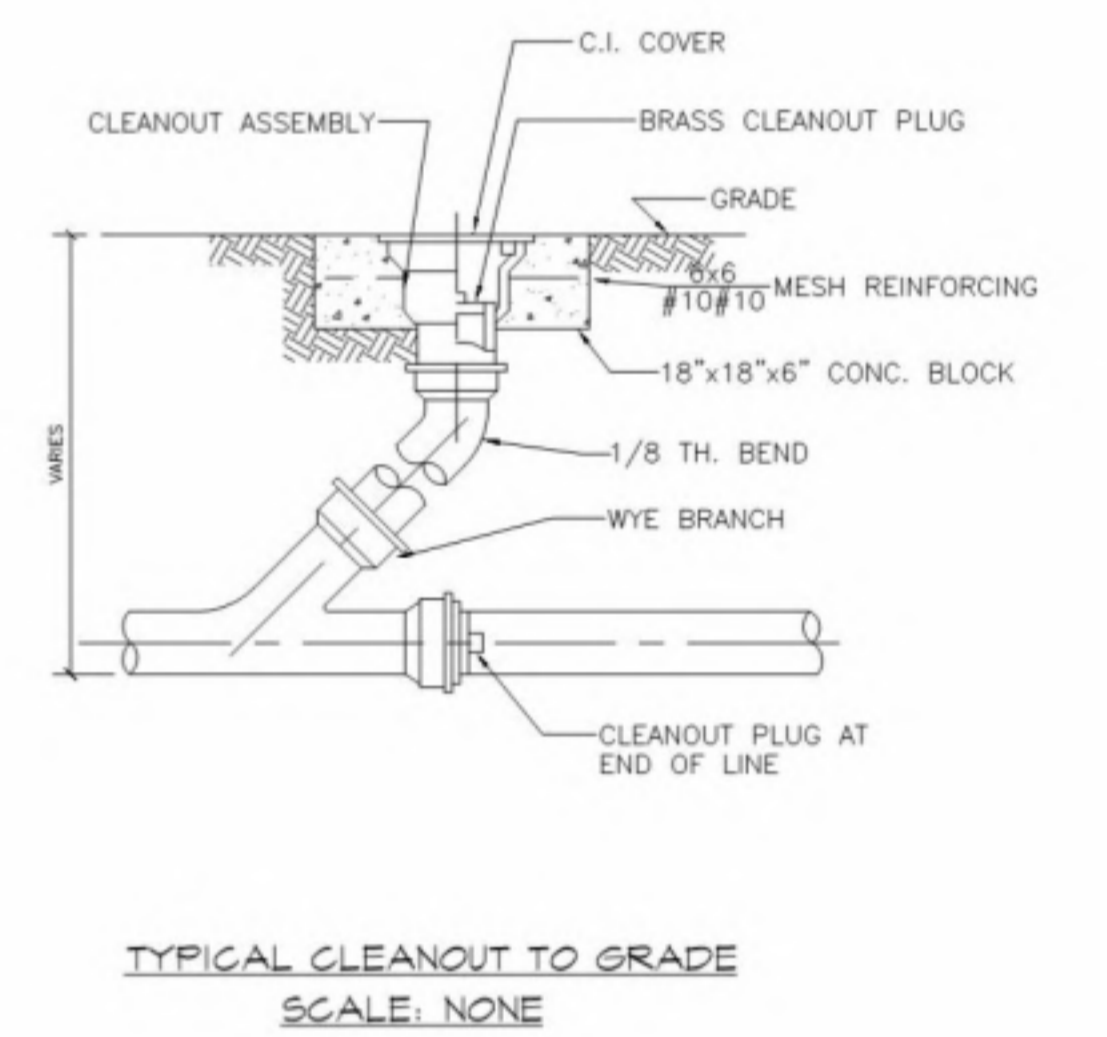
CONTROL DIAGRAM-HYDRO-PNEUMATIC WATER SYSTEM  
SCALE: NONE

FLOW DIAGRAM-FIRE PROTECTION & DOMESTIC WATER SYSTEMS  
SCALE: NONE

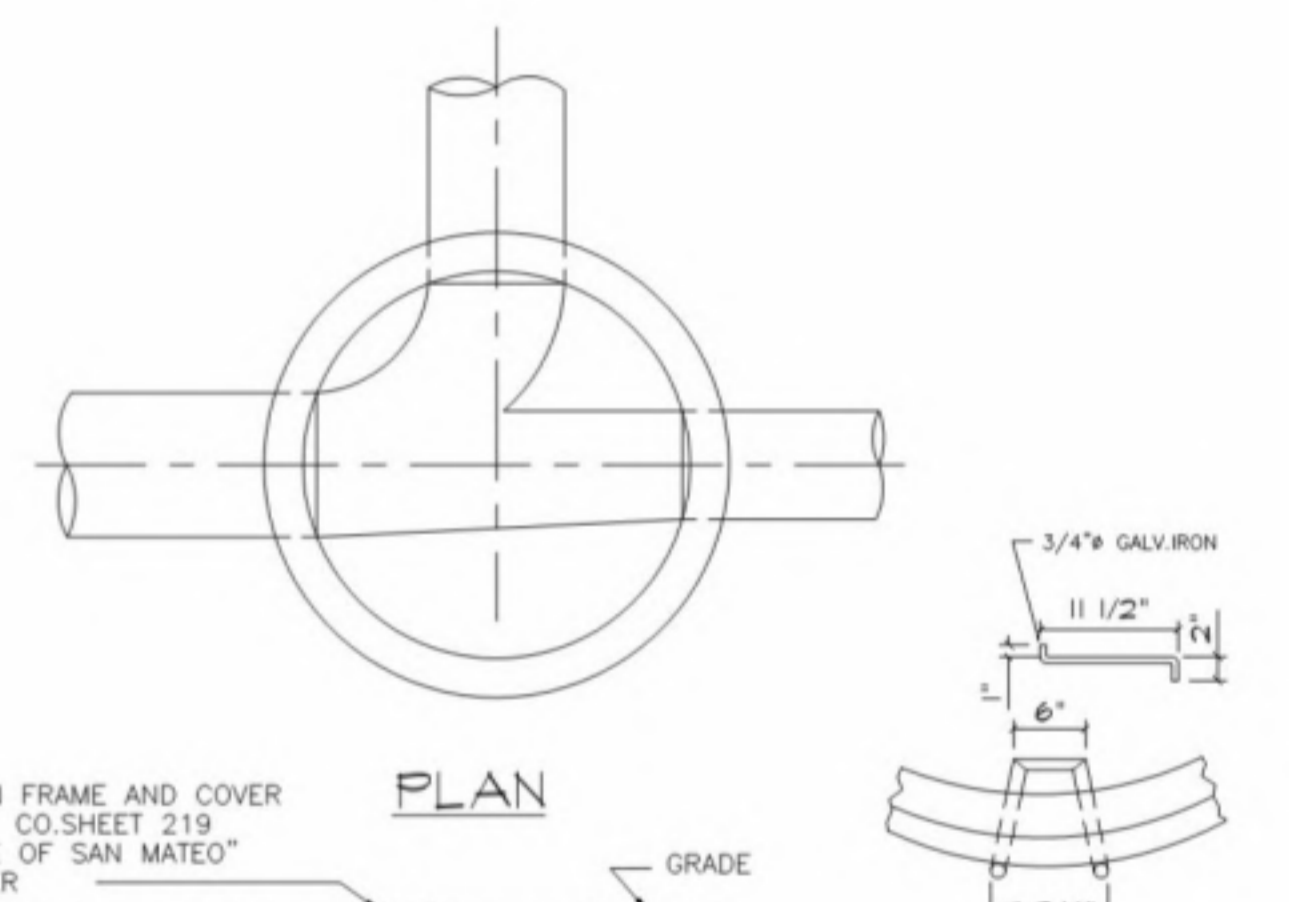
- GENERAL NOTES:**
1. PROVIDE NO-LEAK FLANGE ON ALL PIPES PENETRATING THE STORAGE TANK.
  2. PROVIDE PERMANENT STEEL SIGNS ON ALL STORAGE TANK OUTLET VALVES DESCRIBING THEIR PURPOSE. SIGNS SHALL BE STEEL 18"x24" WITH VITREOUS ENAMEL RED BACK GROUND & WHITE LETTERS.
  3. ALL TANK OUTLET VALVES NORMALLY CLOSED SHALL BE LOCKING TYPE WITH TUMBLER TYPE PADLOCKS.
  4. TANK FILL CONTROL VALVE SHALL BE "CLA-VAL CO" ALTITUDE VALVE No.206 TYPE IV WITH CONSTANT HEAD TANK, PRESS, SENSING LINES WITH CORPORATION COCKS AND GATE VALVES EACH SIDE OF ALTITUDE VALVE AND VALVED BY-PASS.
  5. NO PENETRATION OF STORAGE TANK WALL WILL BE ALLOWED.
  6. PROVIDE ANTI-VORTEX FITTINGS ON PUMP SUCTION LINES IN STORAGE TANK.
  7. SUPPORT OVERFLOW & BOOSTER PUMP SUCTION STANDPIPES WITH 1/4"x3" STEEL STRAPS BOLTED TO INTERIOR WALL.
  8. PROVIDE COPPER SCREEN ON OVERFLOW INLET & OUTLET.



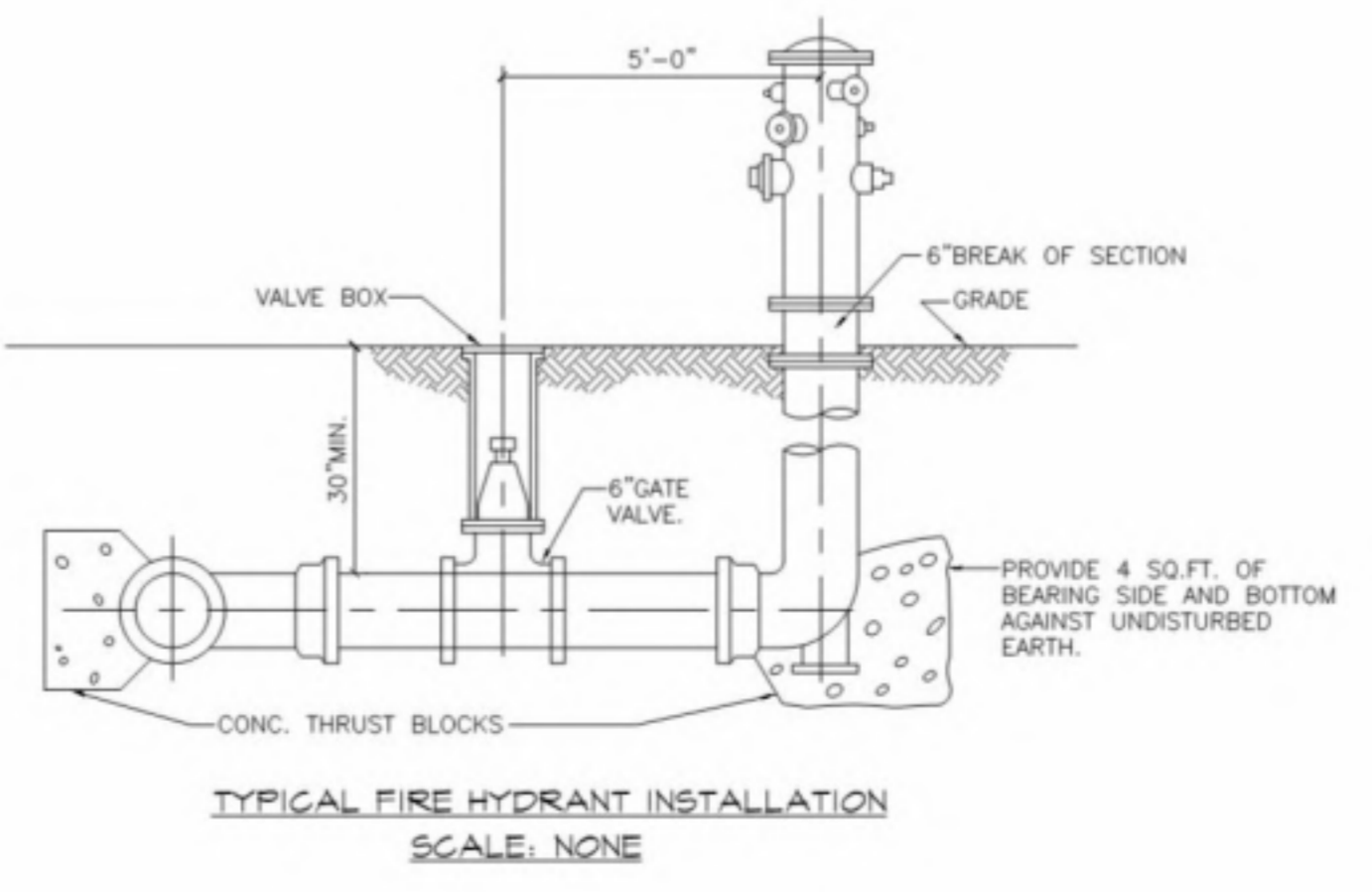
DETAIL OF PARK TYPE DRINKING FOUNTAIN  
NO SCALE



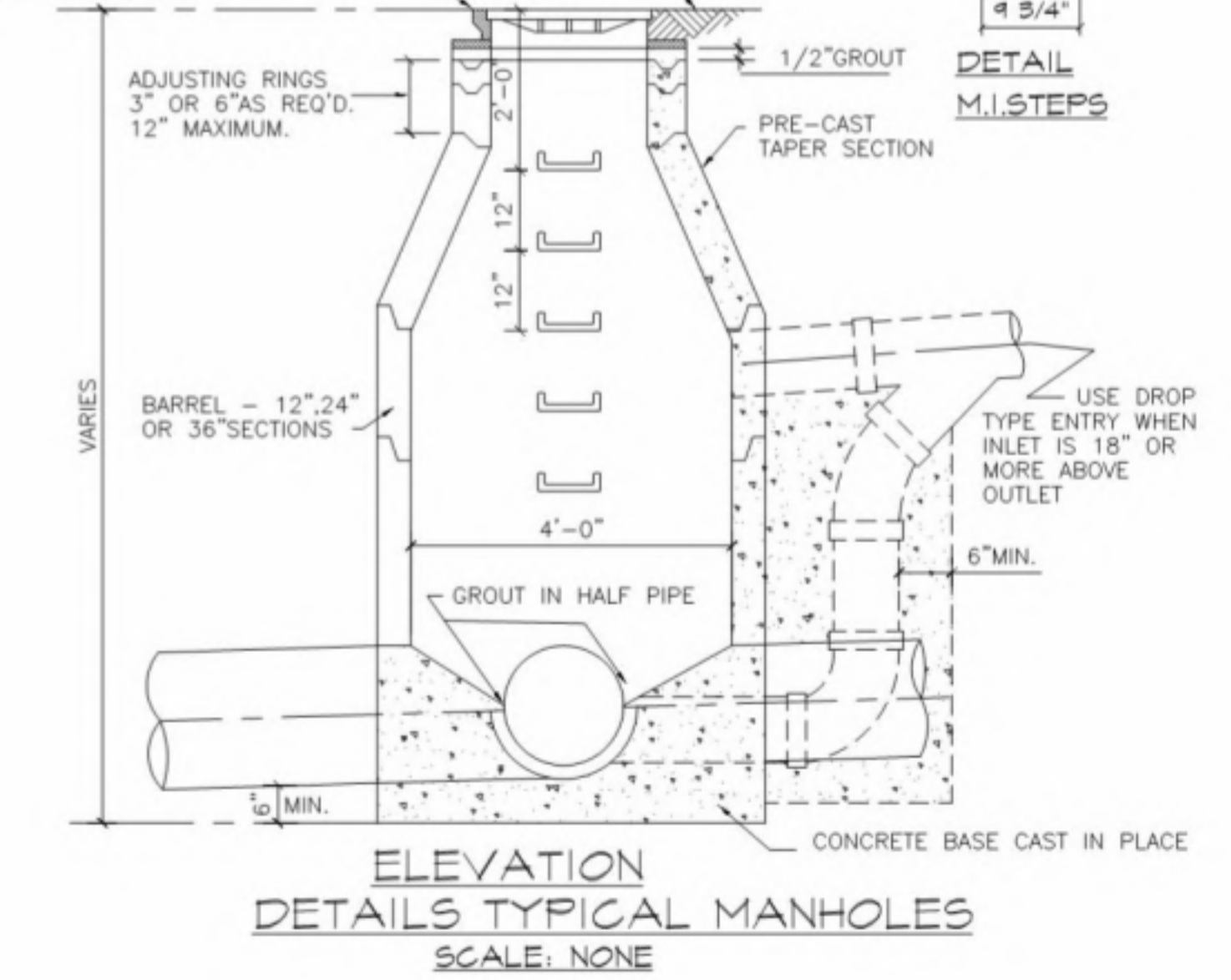
TYPICAL CLEANOUT TO GRADE  
SCALE: NONE



PLAN  
SCALE: NONE

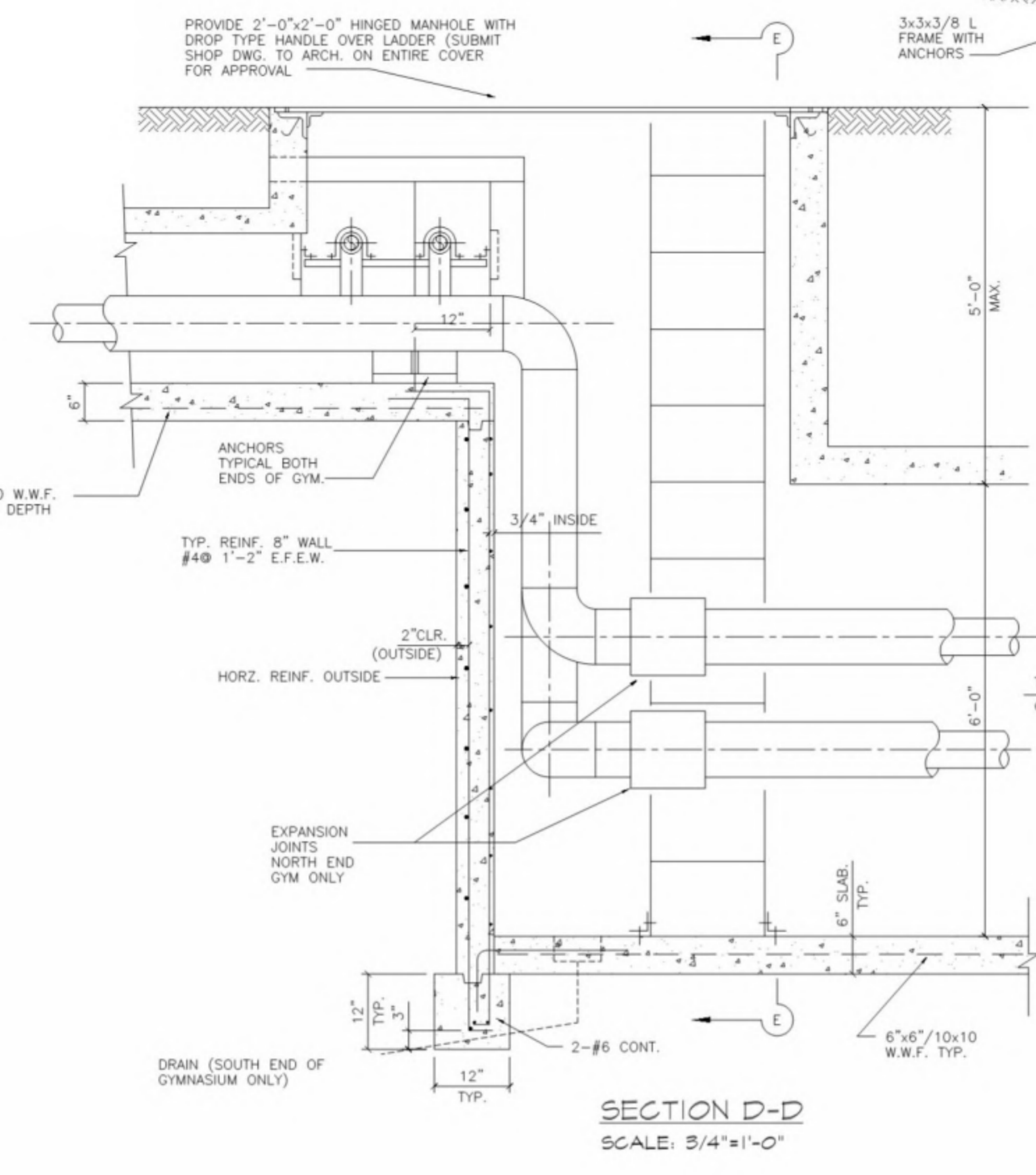
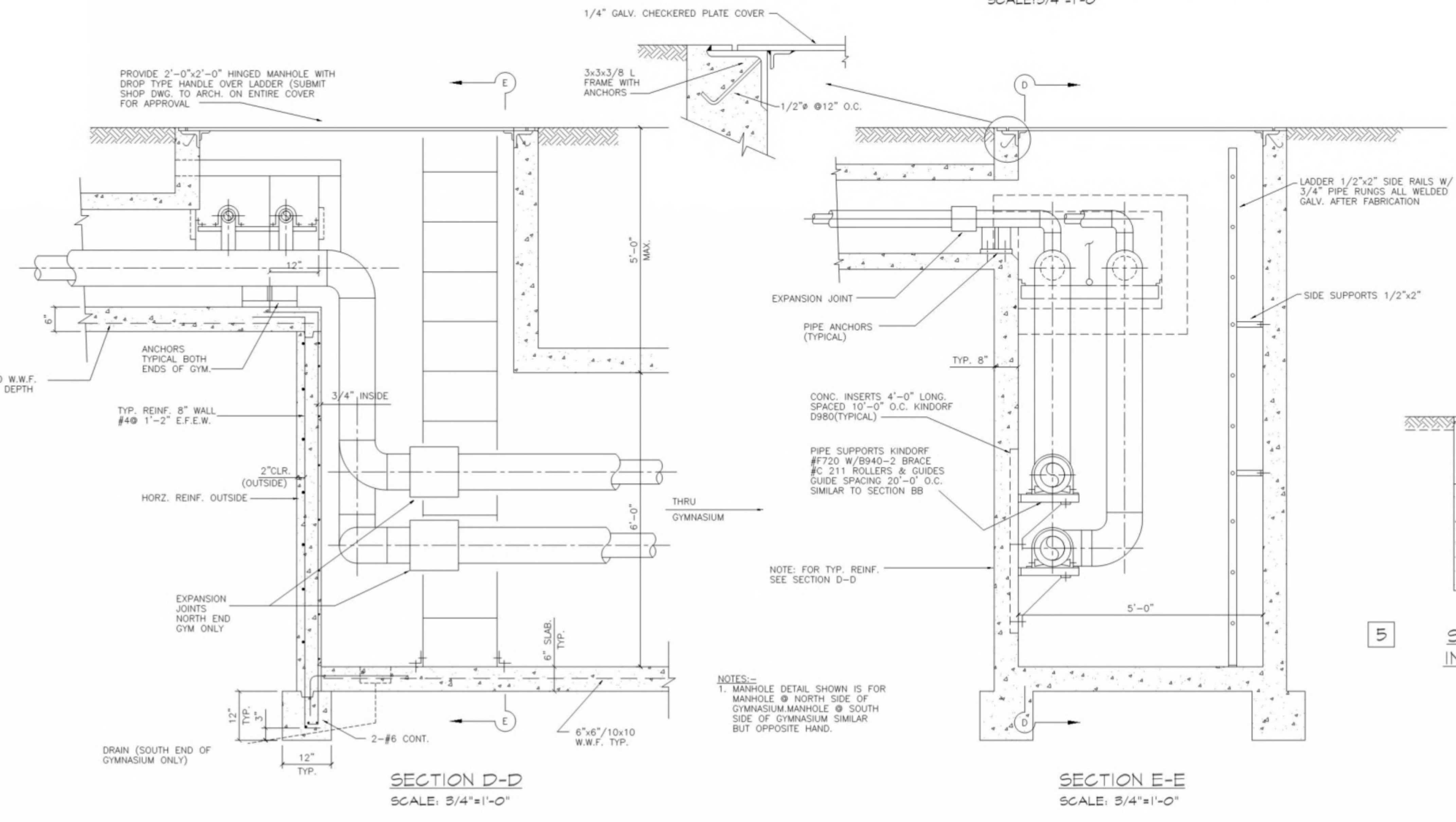
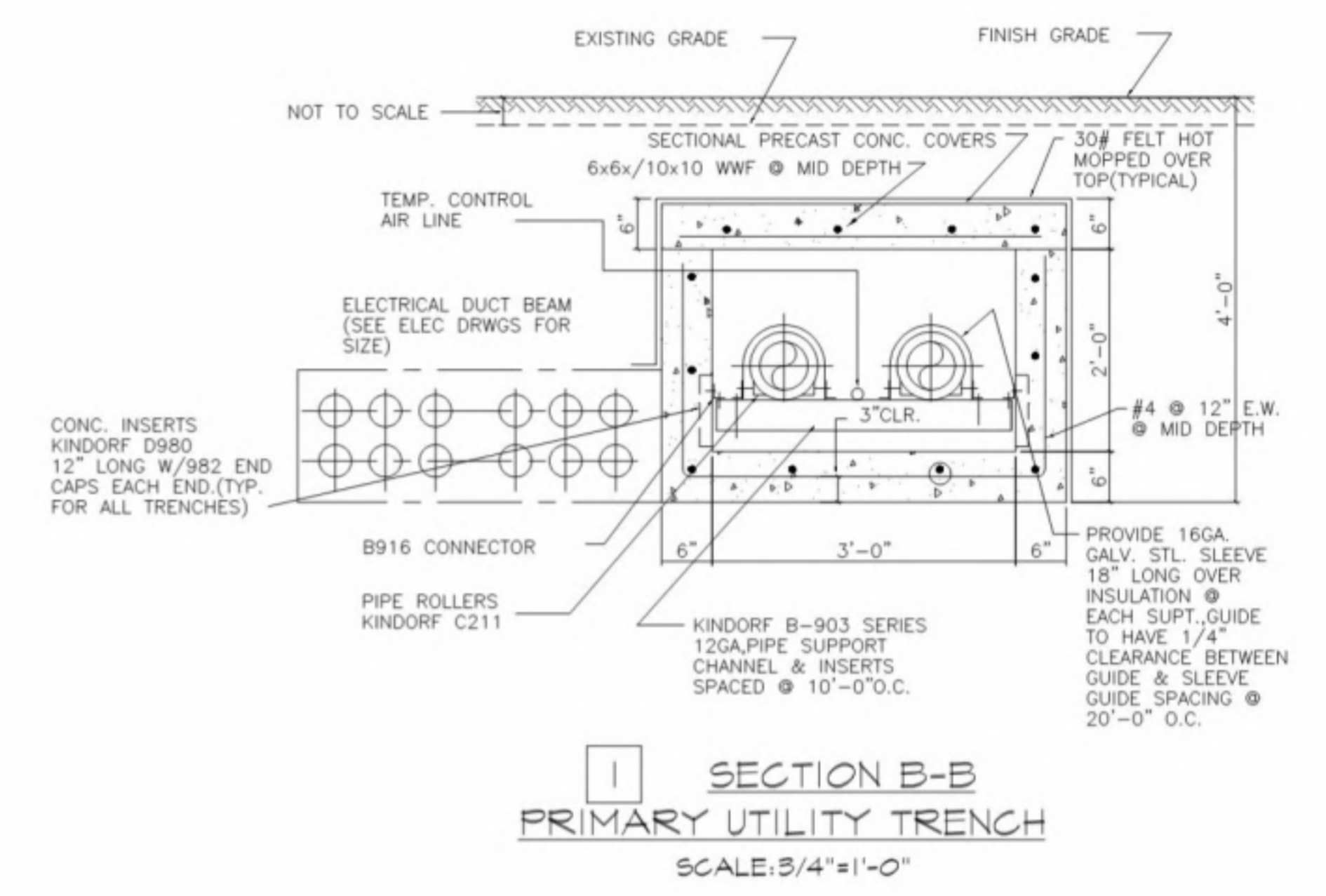
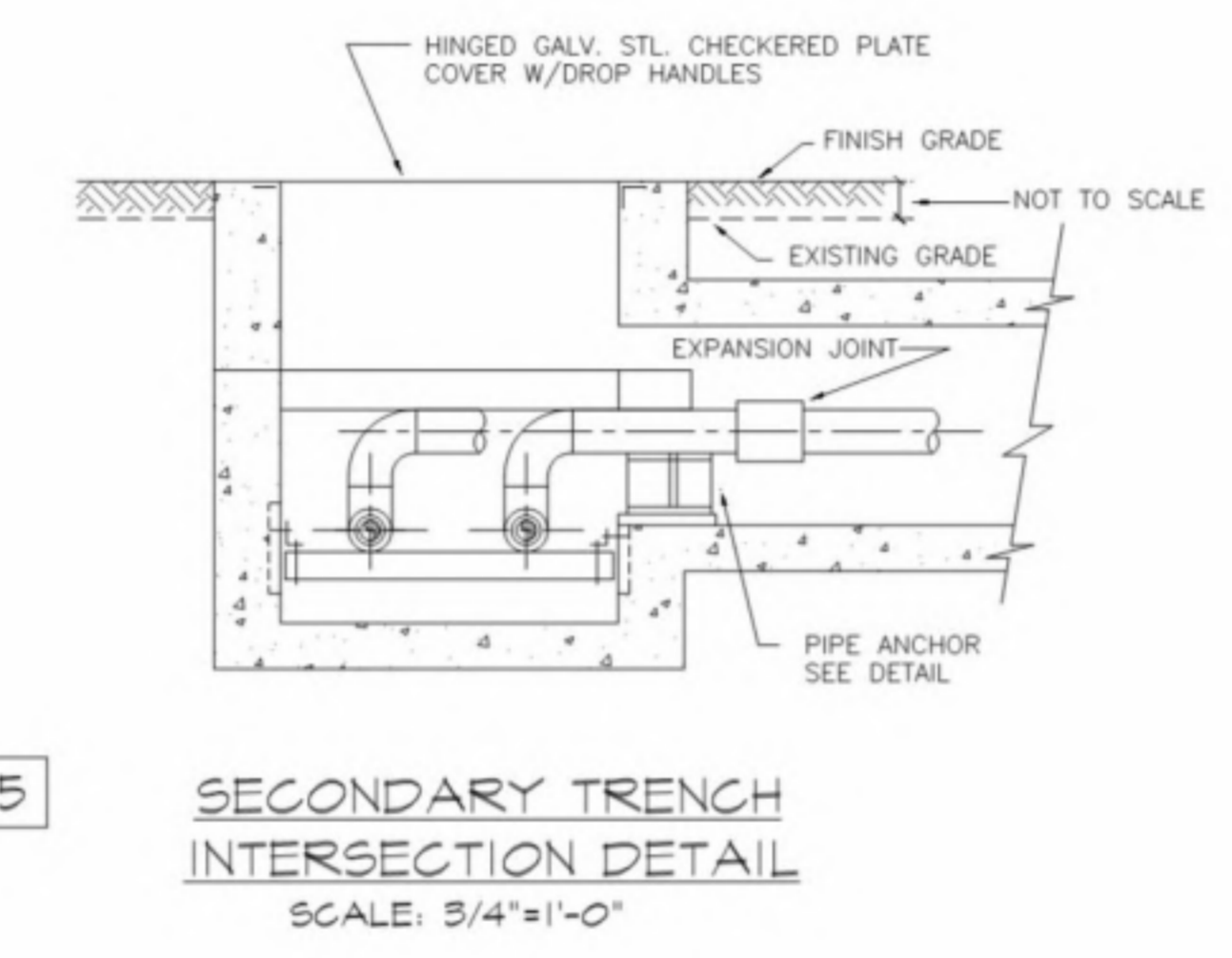
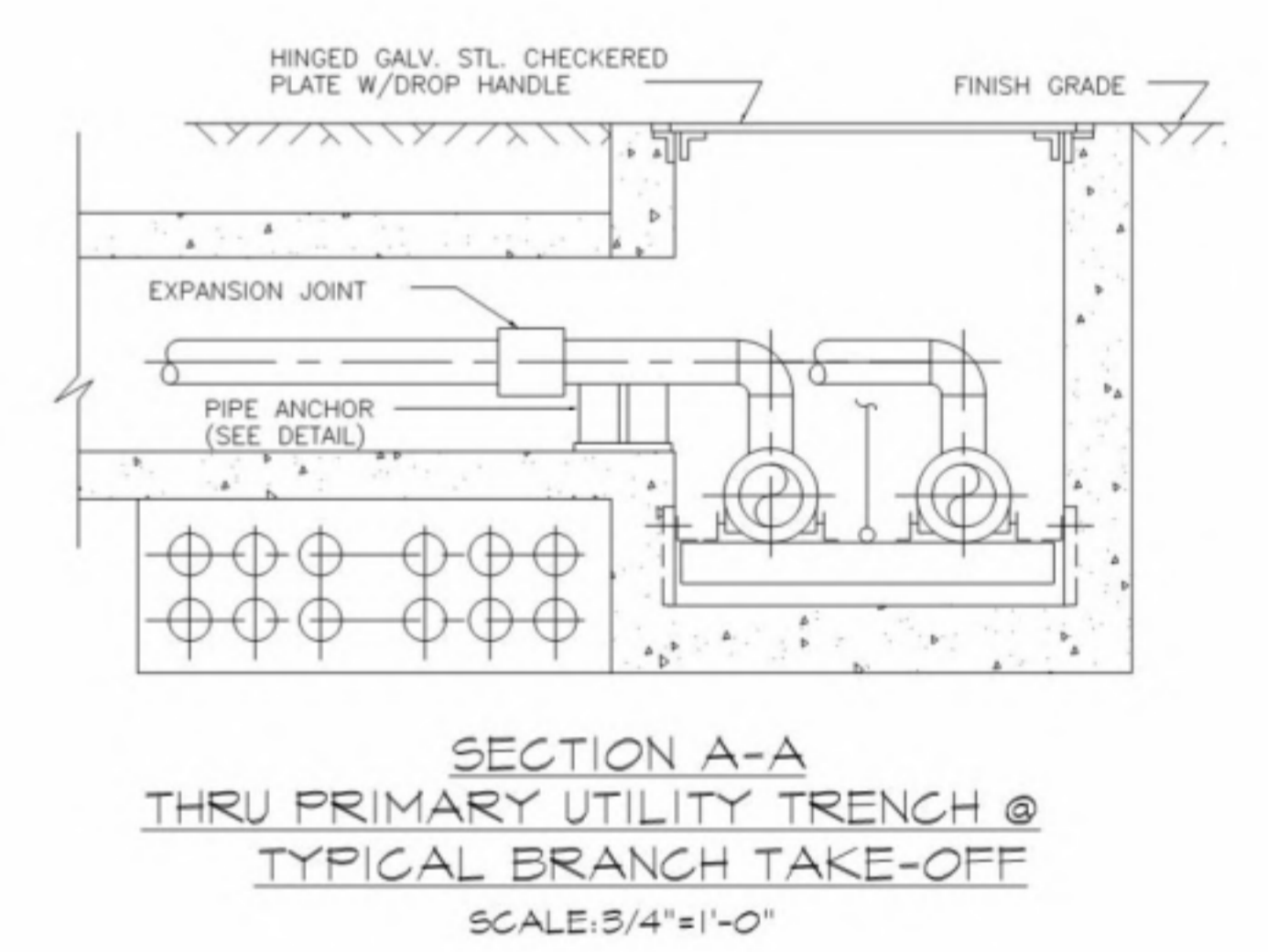
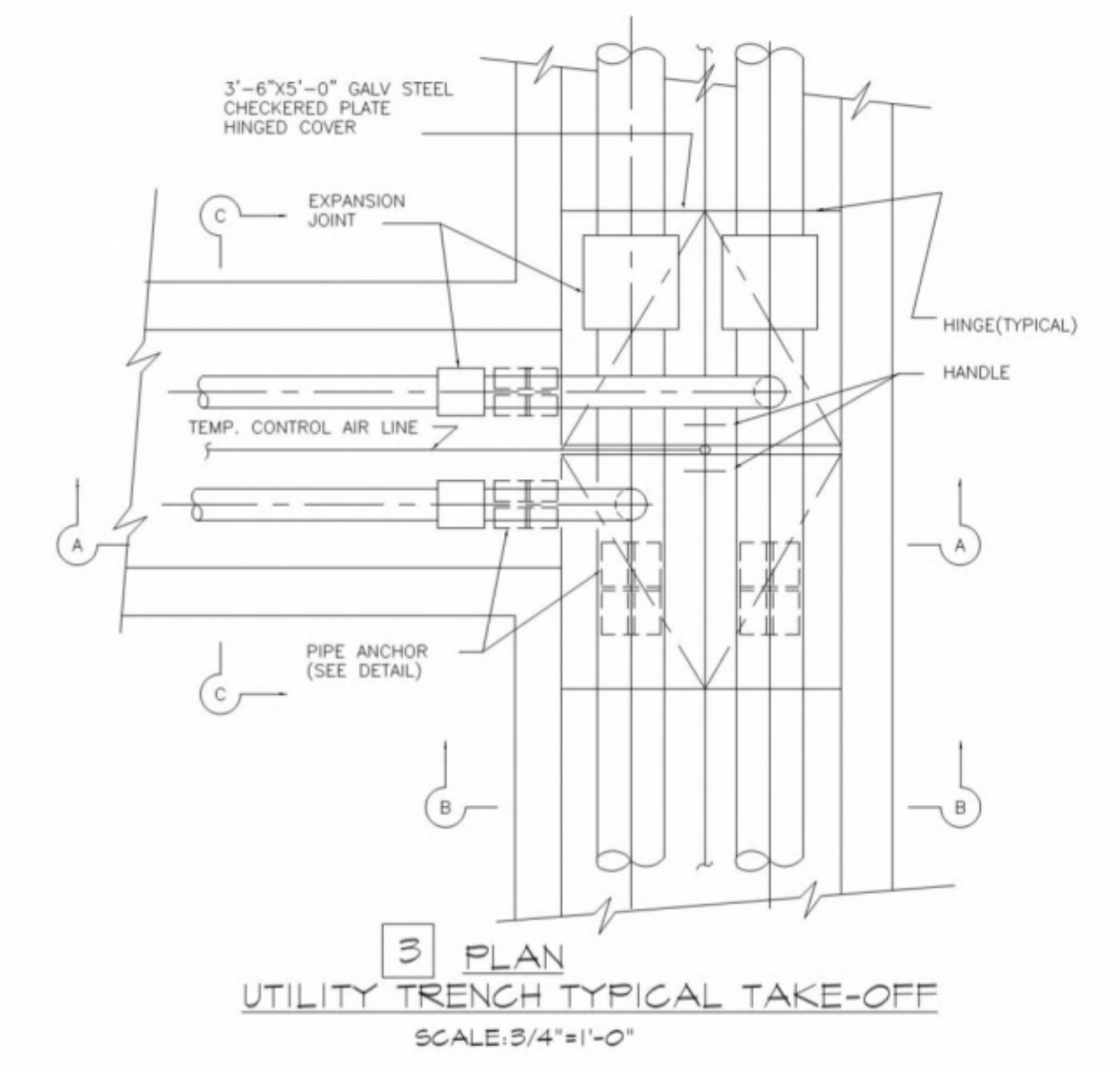
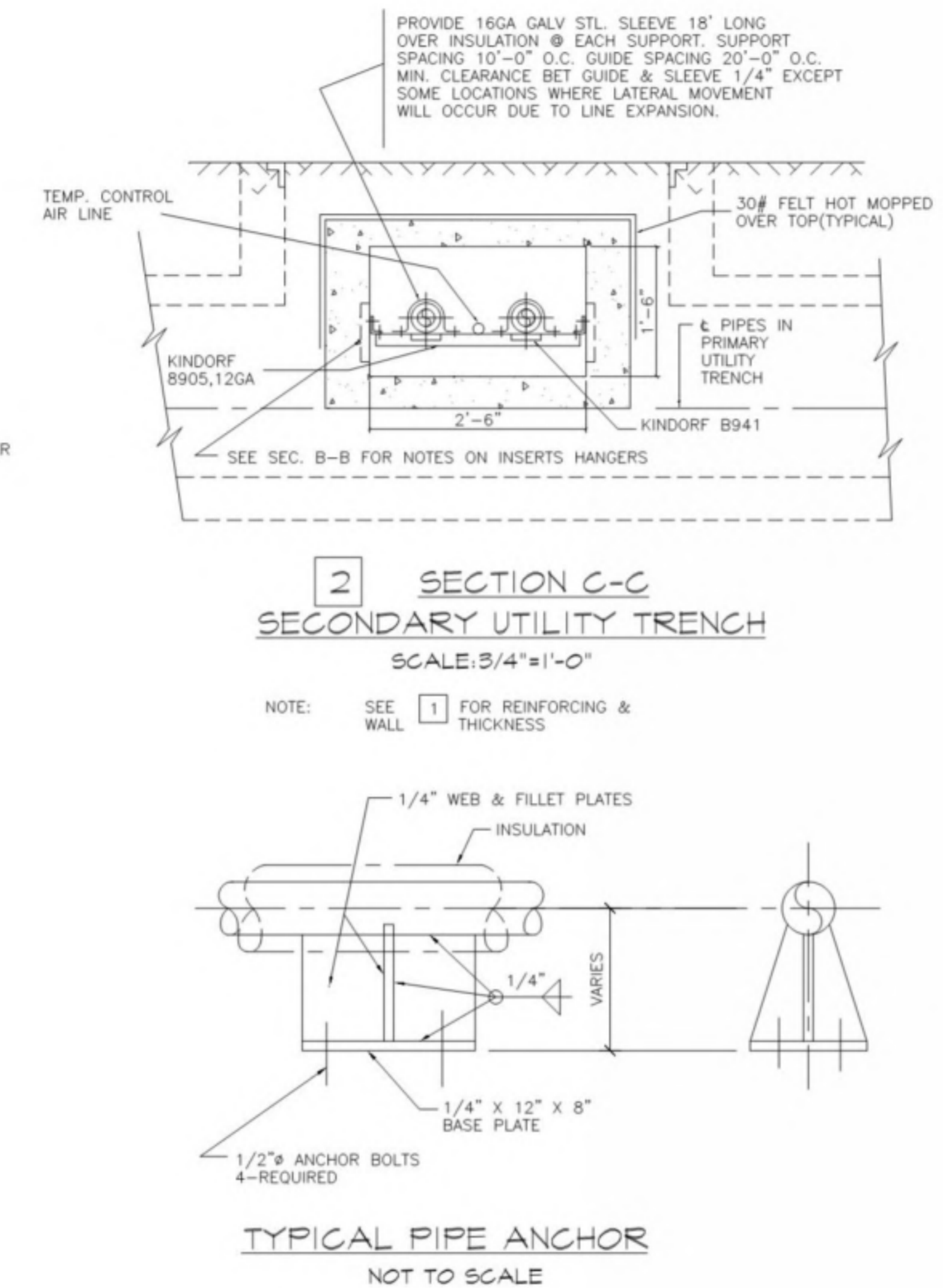
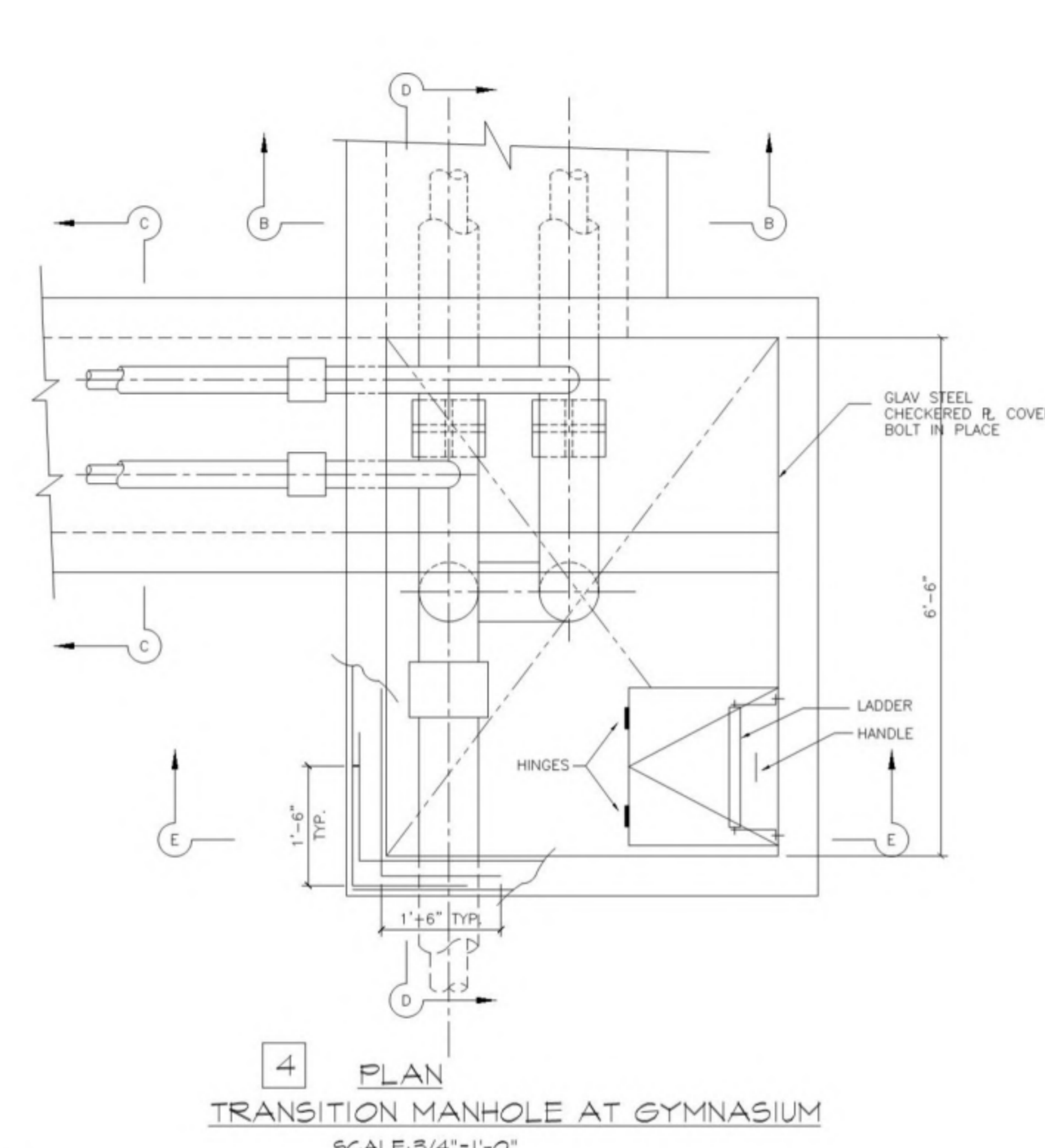


TYPICAL FIRE HYDRANT INSTALLATION  
SCALE: NONE



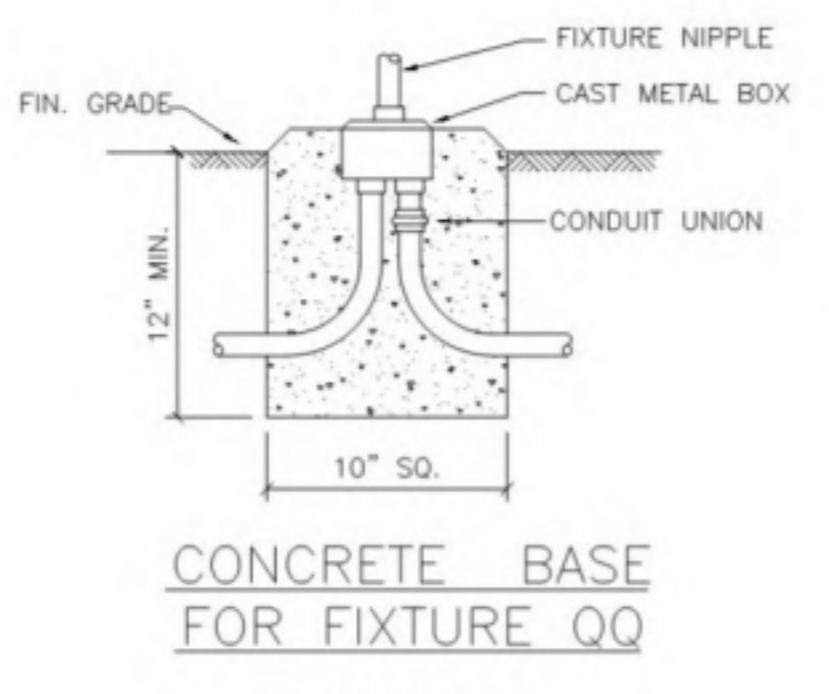
ELEVATION DETAILS TYPICAL MANHOLES  
SCALE: NONE



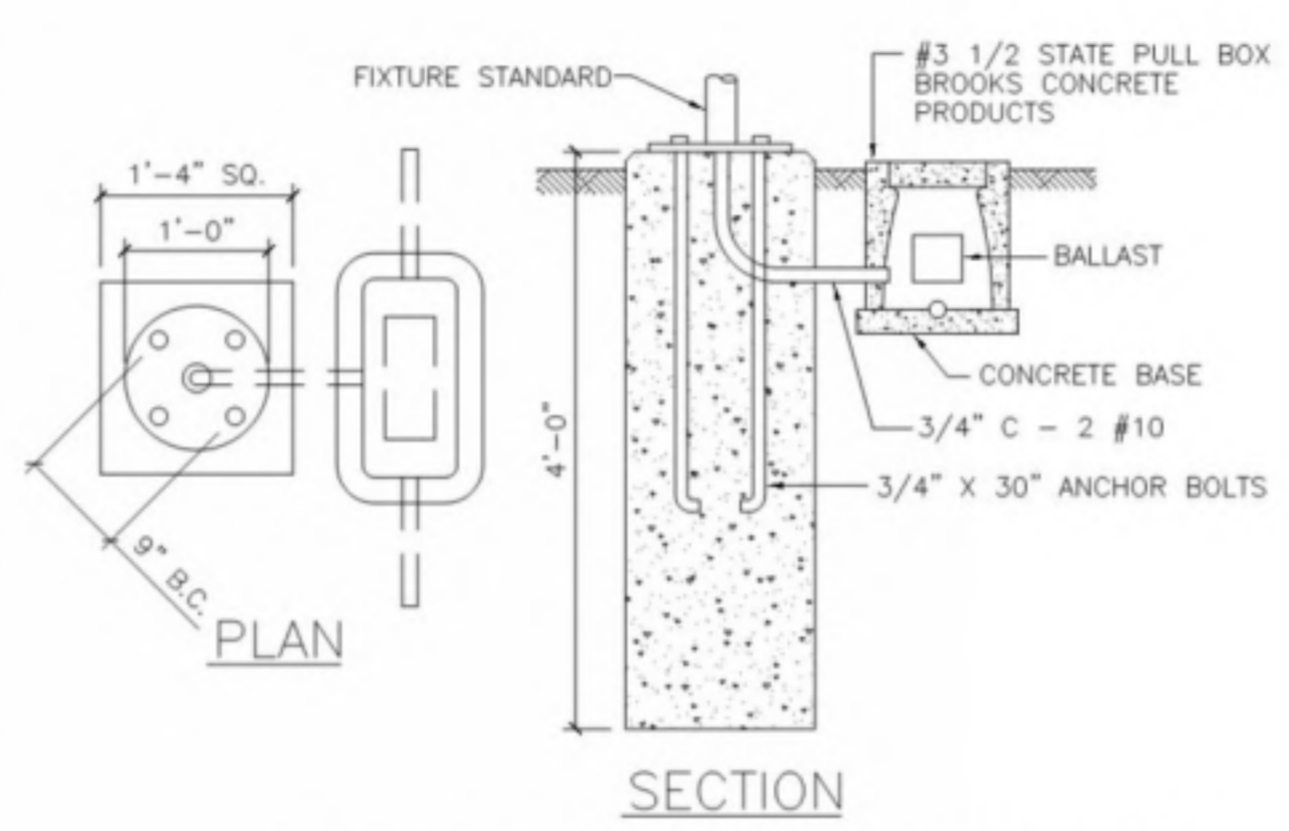


NOTES:  
1. MANHOLE DETAIL SHOWN IS FOR MANHOLE @ NORTH SIDE OF GYMNASIUM MANHOLE @ SOUTH SIDE OF GYMNASIUM SIMILAR BUT OPPOSITE HAND.

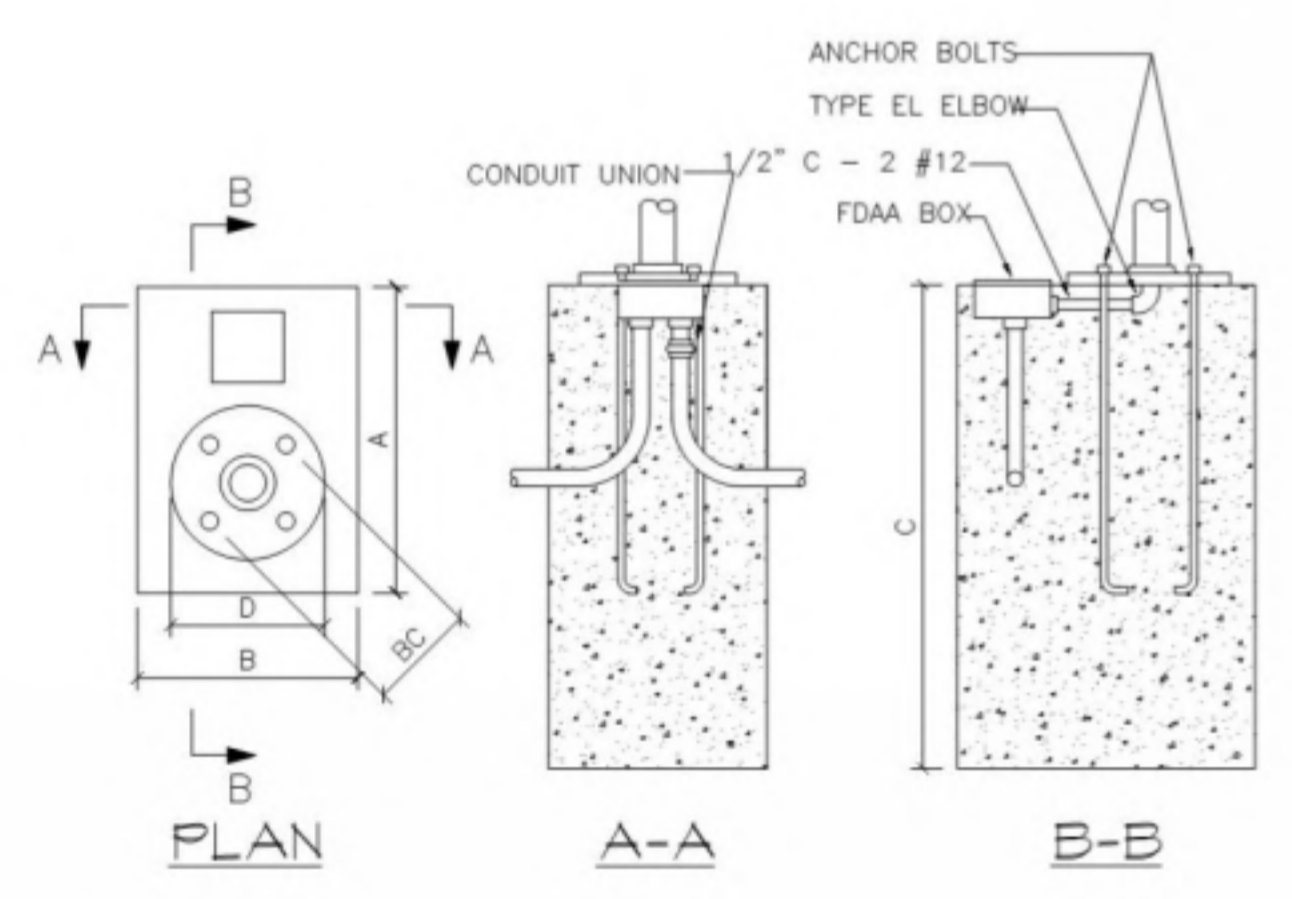
LIGHTING FIXTURE SCHEDULE			
TYPE	DETAIL	DESCRIPTION	MANUFACTURER
L	—	SEE SHEET E	
PP	—	SEE SHEET E	
QQ	—	SEE SHEET E	
TT		POLE TOP FIXTURE WITH 30" DIA. BRONZE ANODIZED HOOD, OIL RUBBED BRONZE FINISH RODS, CAST ALUMINUM SLIP FITTER, 10FT. HIGH 2 1/2" PIPE STANDARD, 12" DIA. BASE PLATE & HOLO-PHANT 423 REFRACTORARY PIPE, BASE & SLIP FITTER BAKED ENAMEL DARK BRONZE.	PEERLESS ELECTRIC CO. P-2905
UU		POLE TOP FIXTURE WITH 30" DIA. HOOD 6 FT. HIGH 2" PIPE STANDARD, 10" DIA. BASE PLATE & OPAL GLASS CYLINDER MATERIAL & FINISH SAME AS FIXTURE TT.	PEERLESS ELECTRIC CO. P-2906
VV		POLE TOP FIXTURE WITH 24" DIA. HOOD, 18" HIGH 2" PIPE STANDARD, 8" DIA. BASE PLATE & OPAL GLASS CYLINDER MATERIAL & FINISH SAME AS FIXTURE TT.	PEERLESS ELECTRIC CO. P-2907
WW		POLE TOP FIXTURE WITH 30" DIA. HOOD, 12 FT. HIGH 2 1/2" PIPE STANDARD, 12" DIA. BASE PLATE, HOLOPHANE 877 REFRACTORARY & 175 W JH-1 MERCURY VAPOR LAMP. PROVIDE 175 W 480V BALLAST FOR REMOTE MTD. IN U.G. BOX. MAT'L. & FINISH SAME AS FIXT. TT.	PEERLESS ELECTRIC CO. P-2908
XX		STREET LIGHTING LUMINAIRE COMPLETE WITH REFLECTOR REFRACTORARY, BUILT IN 400W MERCURY VAPOR BALLAST, 480V AND 400W JH1 LAMP.	WESTINGHOUSE OV-25-EII-B2
YY		UNDERWATER FLOODLIGHT COMPLETE WITH SPUN COPPER NICHE DECK BOX, BRASS PIPE, CORD, LENS, 300W PAR 56 MFL LAMP & ALL NECESSARY ACCESSORIES.	KIM F300FN



DETAIL 1  
CONCRETE BASE FOR FIXTURE QQ  
NO SCALE

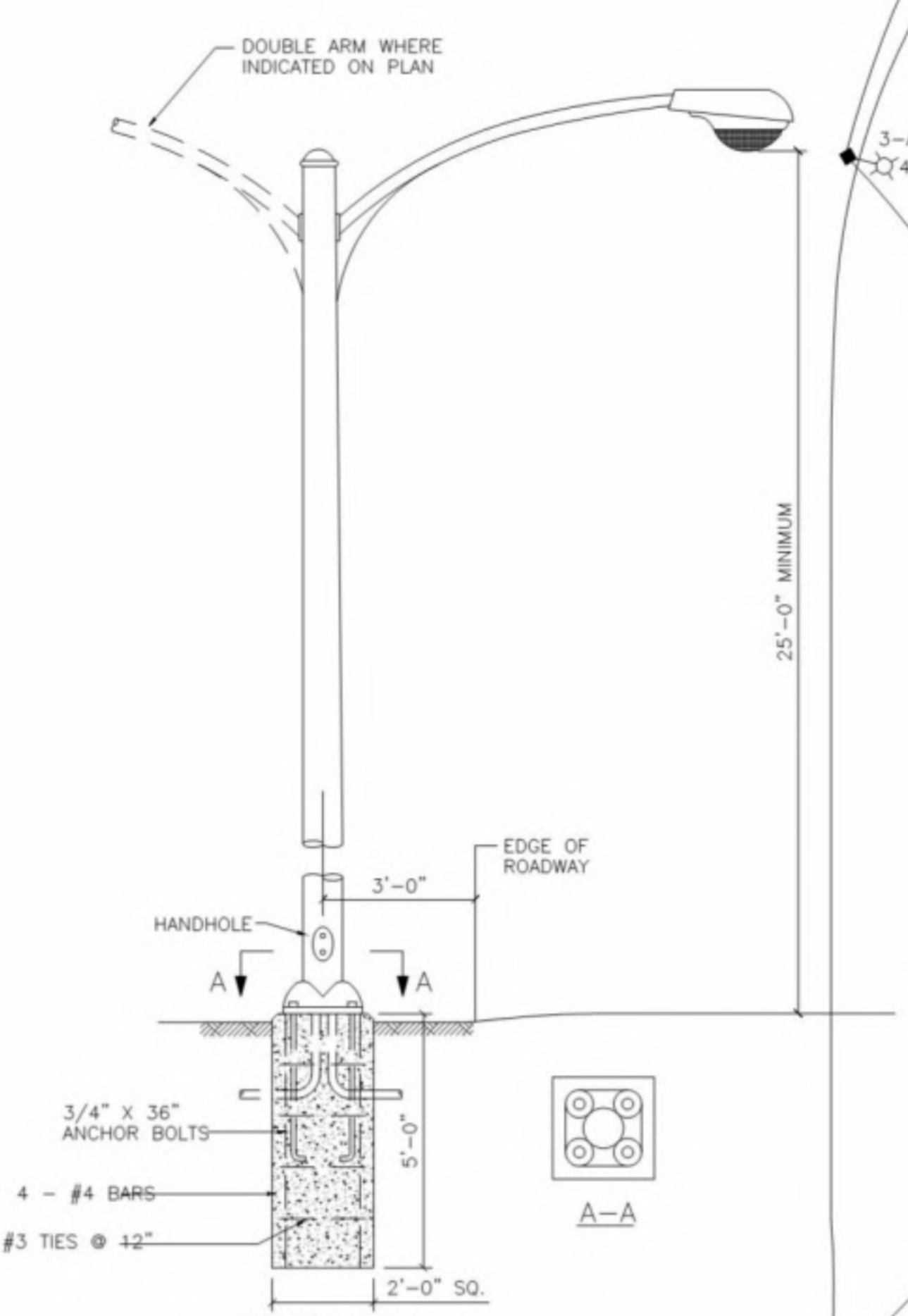


DETAIL 2  
CONCRETE BASE FOR FIXTURE WW  
NO SCALE

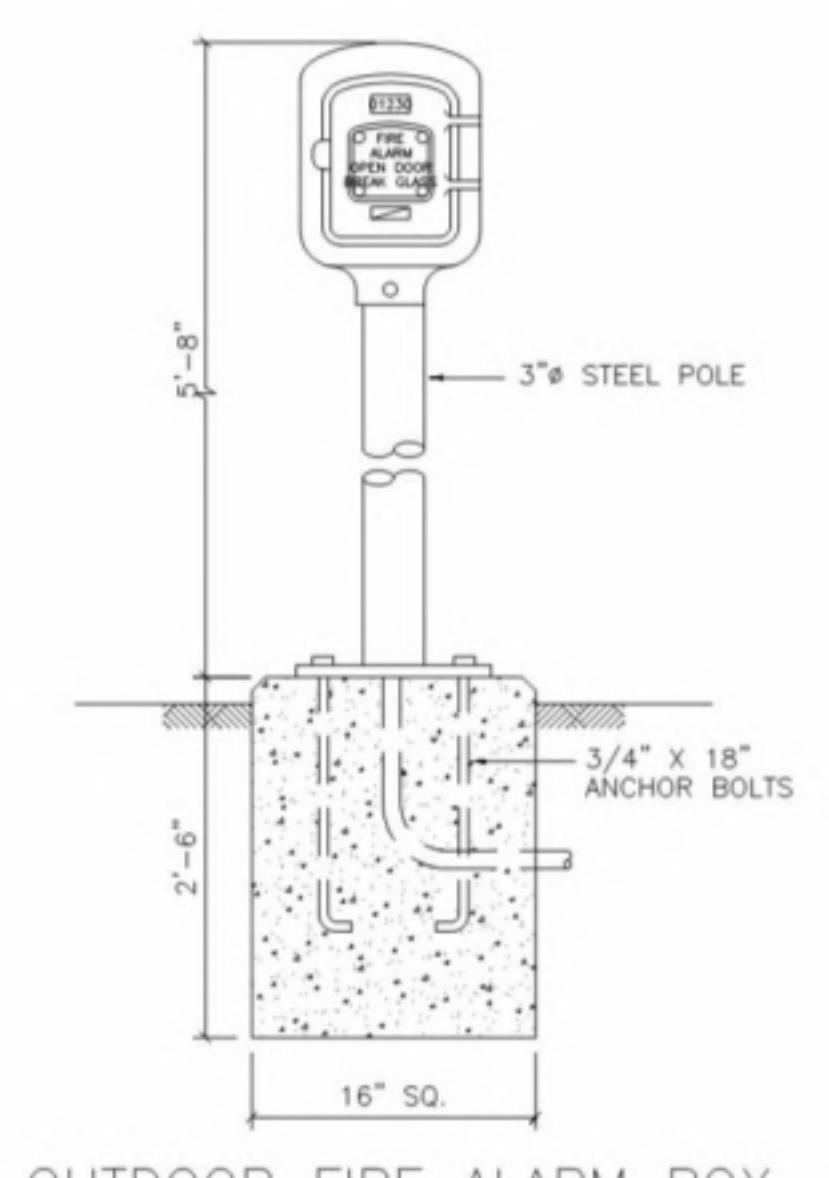


FIXT TYPE	DIMENSIONS					ANCHOR BOLTS
	A	B	C	D	BC	
TT	1'-9"	1'-4"	3'-6"	12"	9"	3/4" X 24"
UU	1'-7"	1'-2"	3'-0"	10"	7"	3/4" X 18"
VV	1'-5"	1'-0"	3'-0"	8"	5"	1/2" X 12"

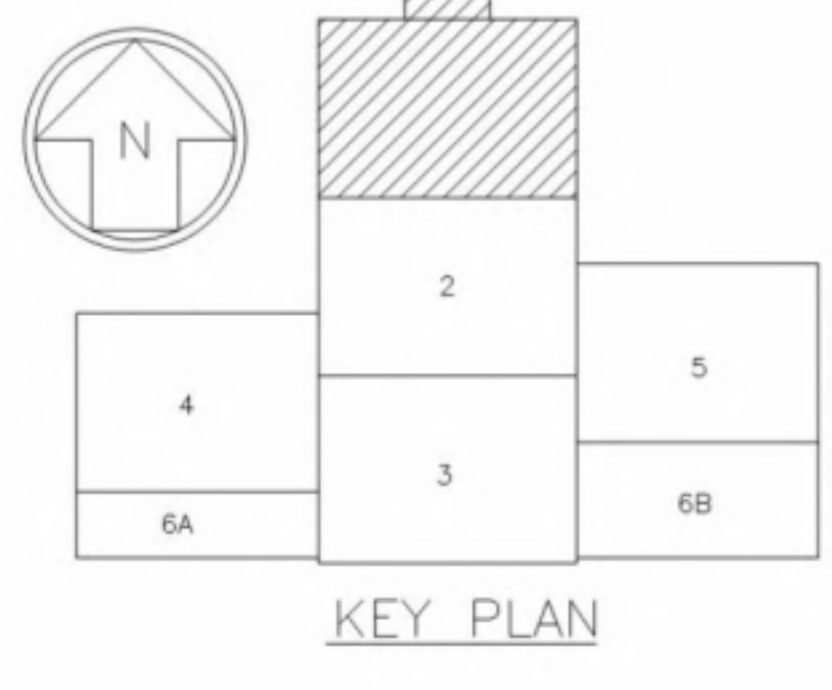
TYPICAL CONCRETE BASE FOR FIXTURES TT, UU & VV  
DETAIL 3  
NO SCALE



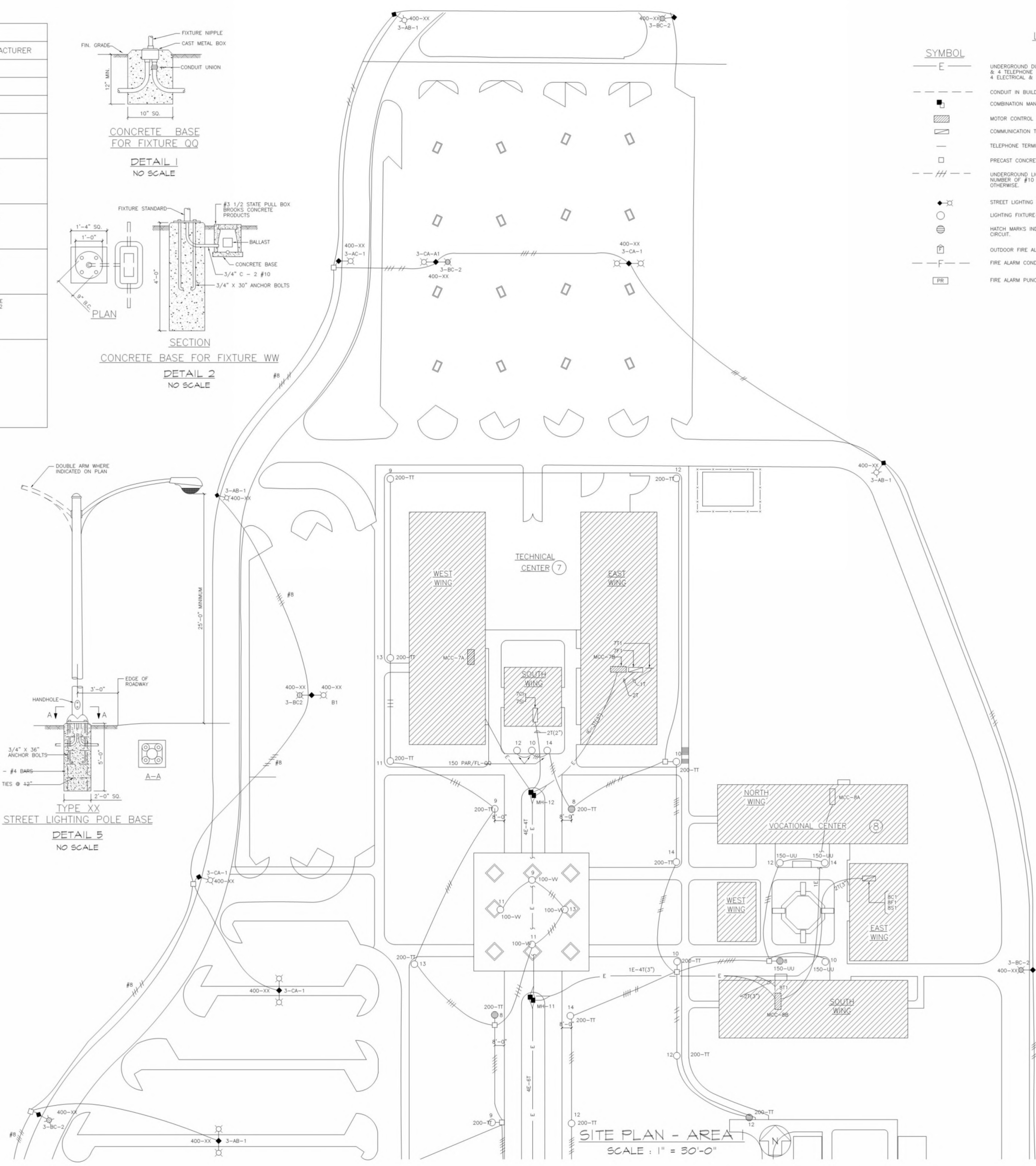
DETAIL 5  
TYPE XX STREET LIGHTING POLE BASE  
NO SCALE

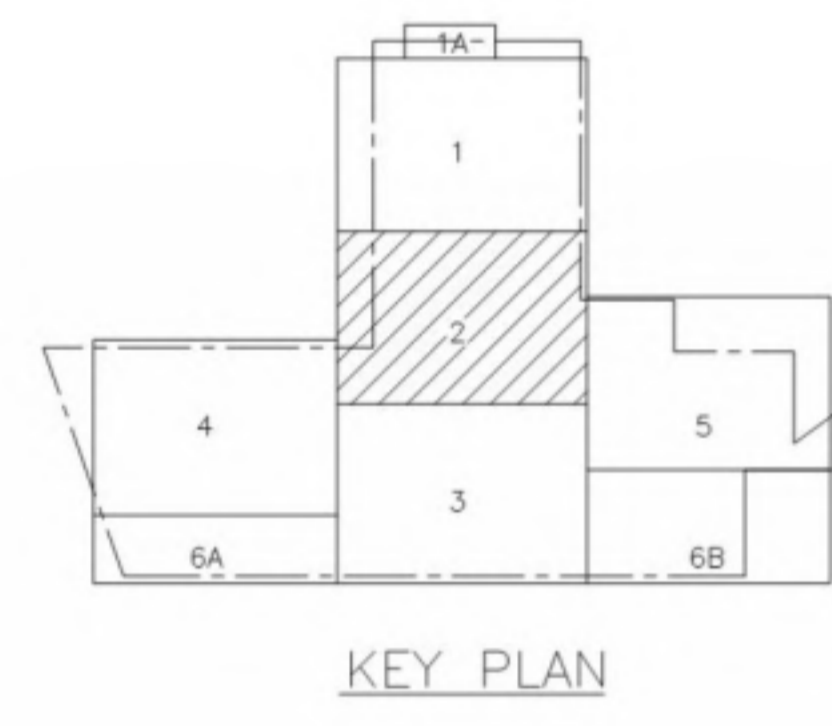
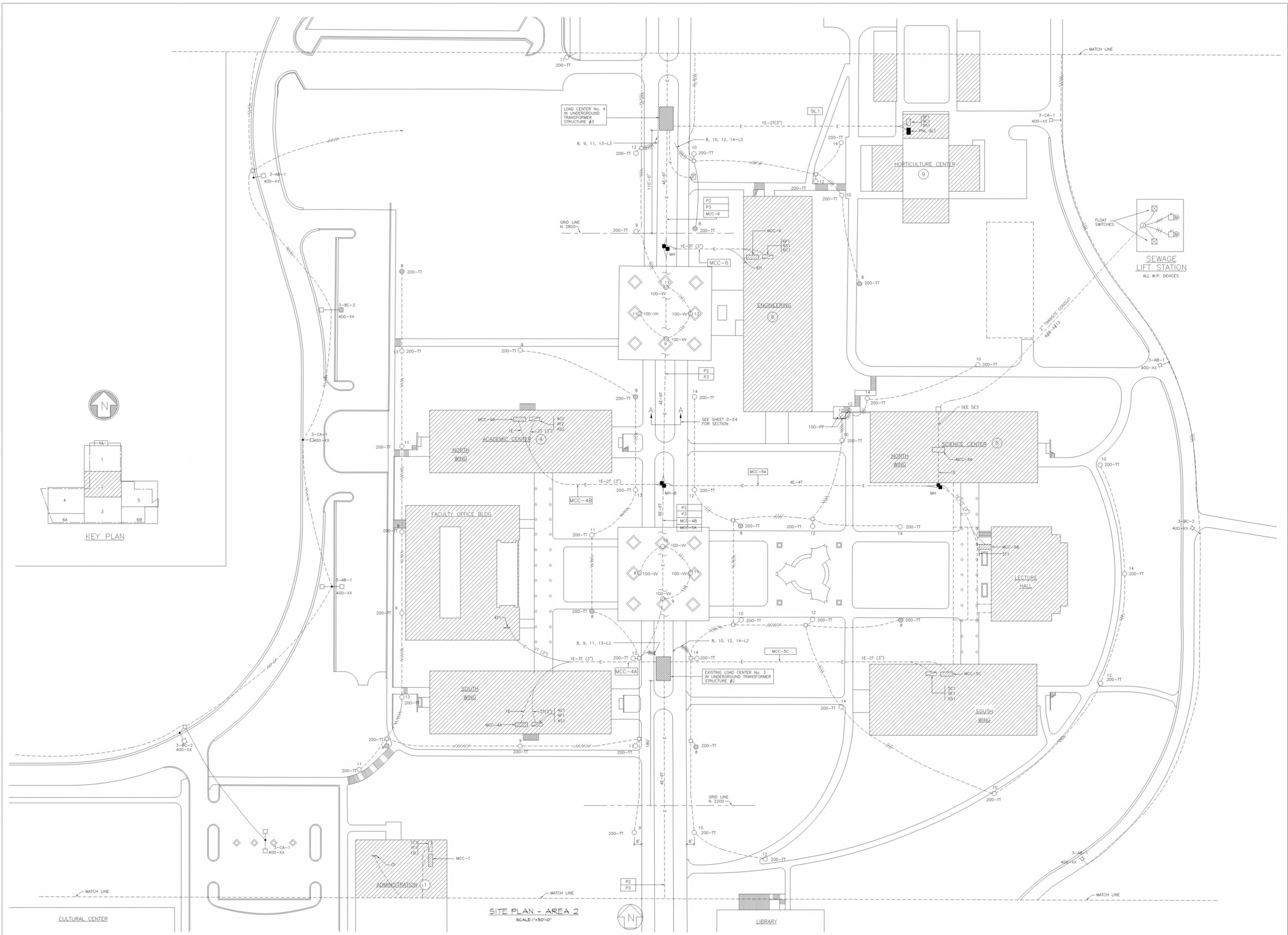


DETAIL 4  
OUTDOOR FIRE ALARM BOX  
NO SCALE



LEGEND	
SYMBOL	DESCRIPTION
	UNDERGROUND DUCT LINE-2E-4T INDICATES 2 ELECTRICAL & 4 TELEPHONE (COMMUNICATION) DUCTS, 4E-6T INDICATES 4 ELECTRICAL & 6 TELEPHONE DUCTS, ETC.
	CONDUIT IN BUILDING
	COMBINATION MANHOLE
	MOTOR CONTROL CENTER
	COMMUNICATION TERMINAL CABINET
	TELEPHONE TERMINAL CABINET
	PRECAST CONCRETE PULL BOX
	UNDERGROUND LIGHTING CIRCUIT. CROSSHATCH MARKS INDICATE NUMBER OF #10 AWG WIRES IF MORE THAN TWO, UNLESS NOTED OTHERWISE.
	STREET LIGHTING LUMINAIRE
	LIGHTING FIXTURE-TYPE AS INDICATED.
	HATCH MARKS INDICATE LIGHTING FIXTURE ON "ALL NIGHT" CIRCUIT.
	OUTDOOR FIRE ALARM BOX.
	FIRE ALARM CONDUIT, 1/2"-6/C #12
	FIRE ALARM PUNCH RECORDER





SITE PLAN - AREA 2  
SCALE: 1"=50'-0"



JOHN A. BLUME & ASSOC. ENGINEERS  
STRUCTURAL ENGINEERS  
KELLER & GANNON  
MECHANICAL & ELECTRICAL ENGINEERS  
ROYSTON, HANAMOTO AND MATES  
LANDSCAPE ARCHITECTS

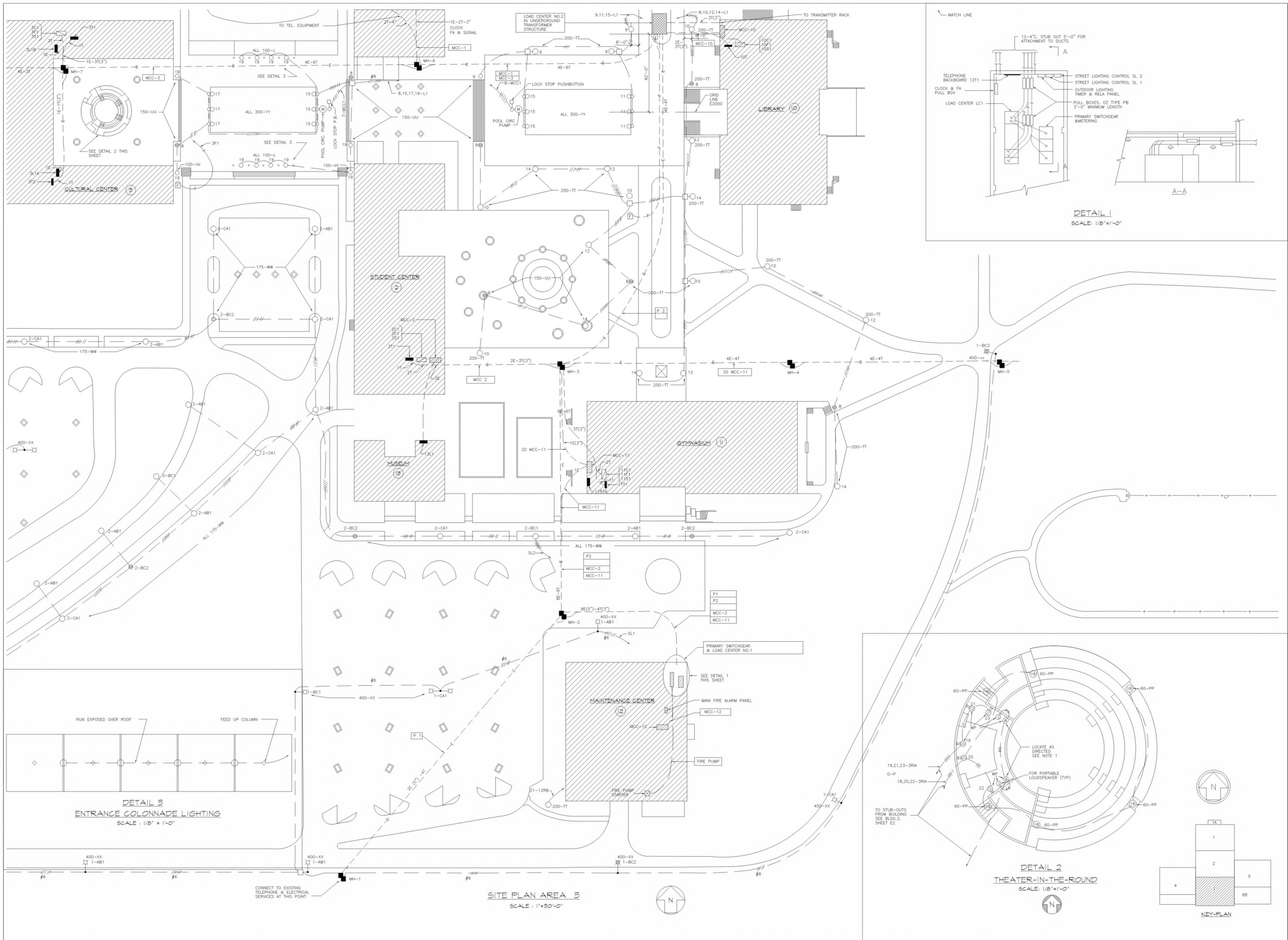
JOHN CARL WARNECKE  
A.I.A. ARCHITECT  
111 NEW MONTGOMERY ST. • SAN FRANCISCO

**COLLEGE OF SAN MATEO**  
COLLEGE HEIGHTS CAMPUS  
SAN MATEO, CALIF.

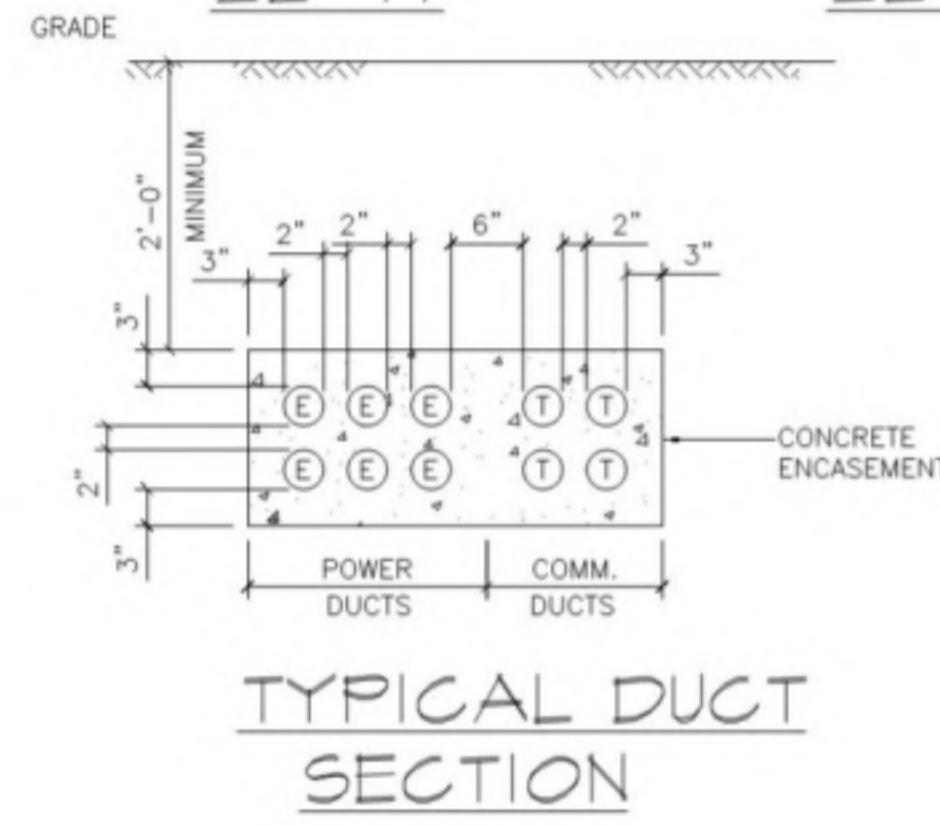
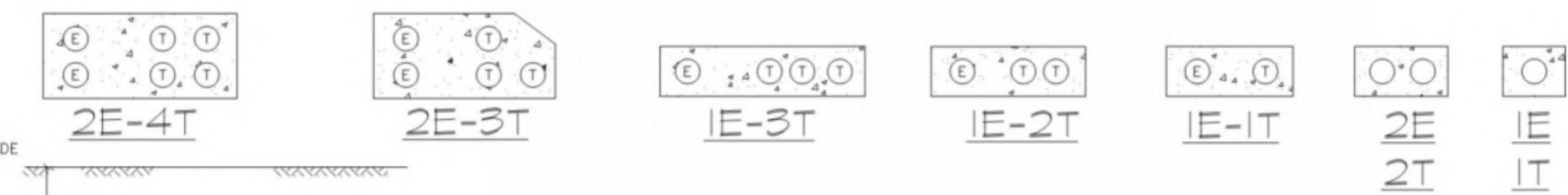
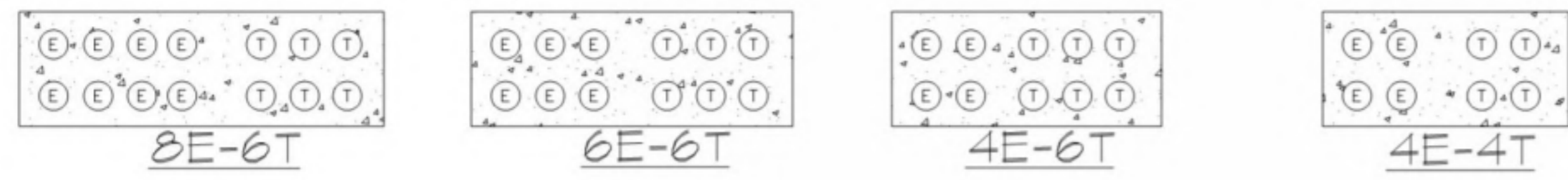
JOB NO. DATE  
DRAWN BY CHECKED BY

SITE DEVELOPMENT  
ELECTRICAL QUAD No. 2

BLDG. NO. SHEET NO.  
**D E2**  
OF 7



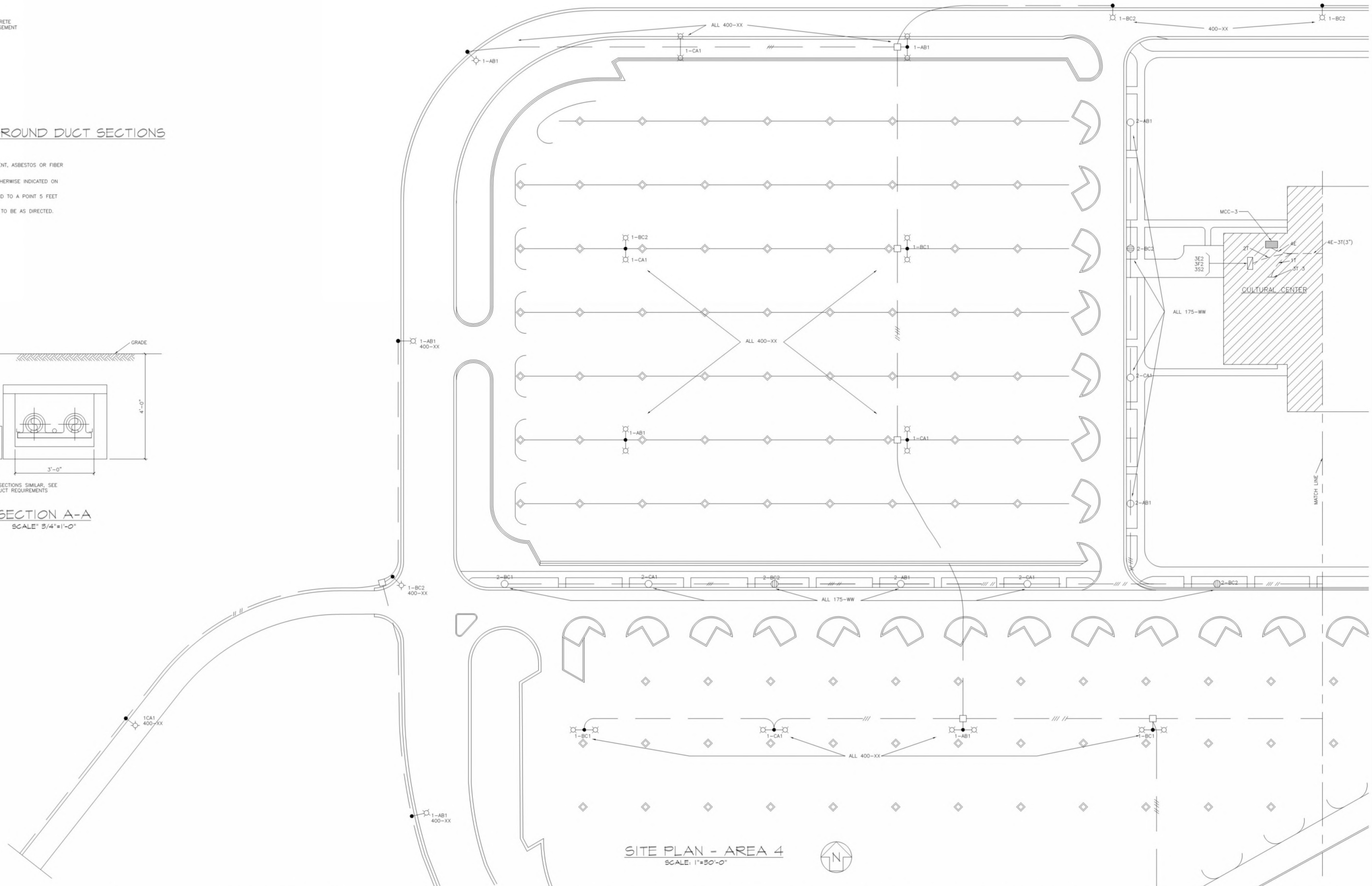
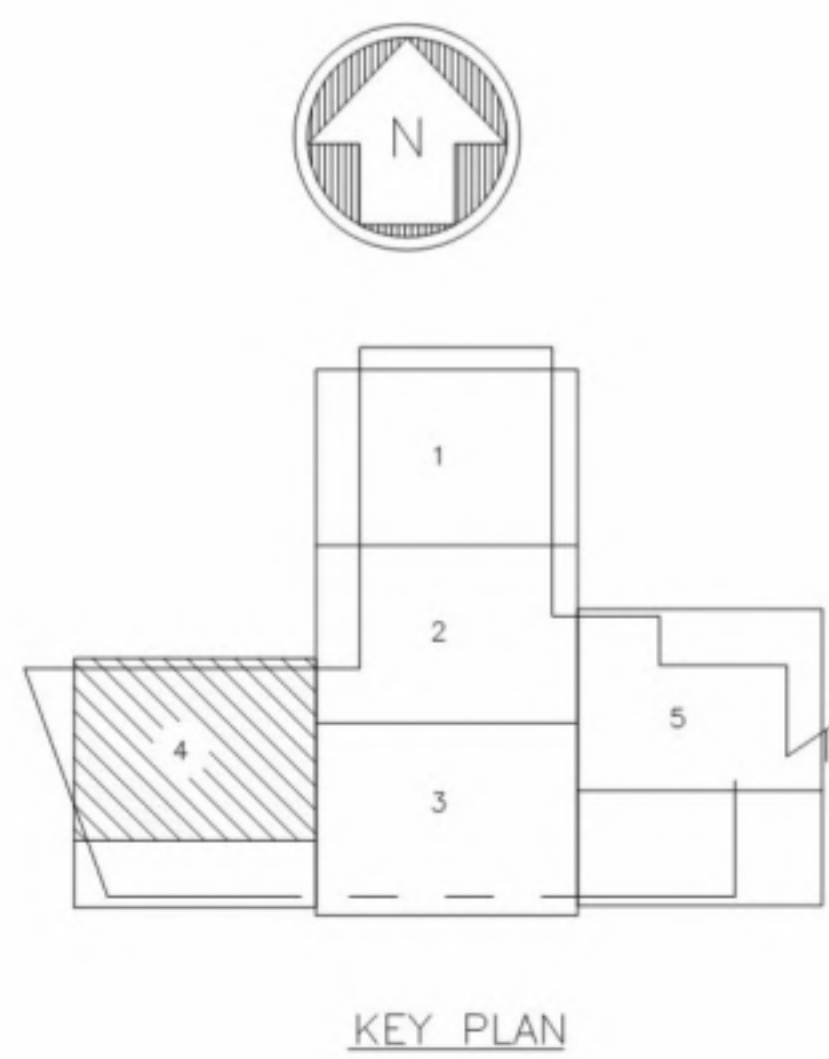
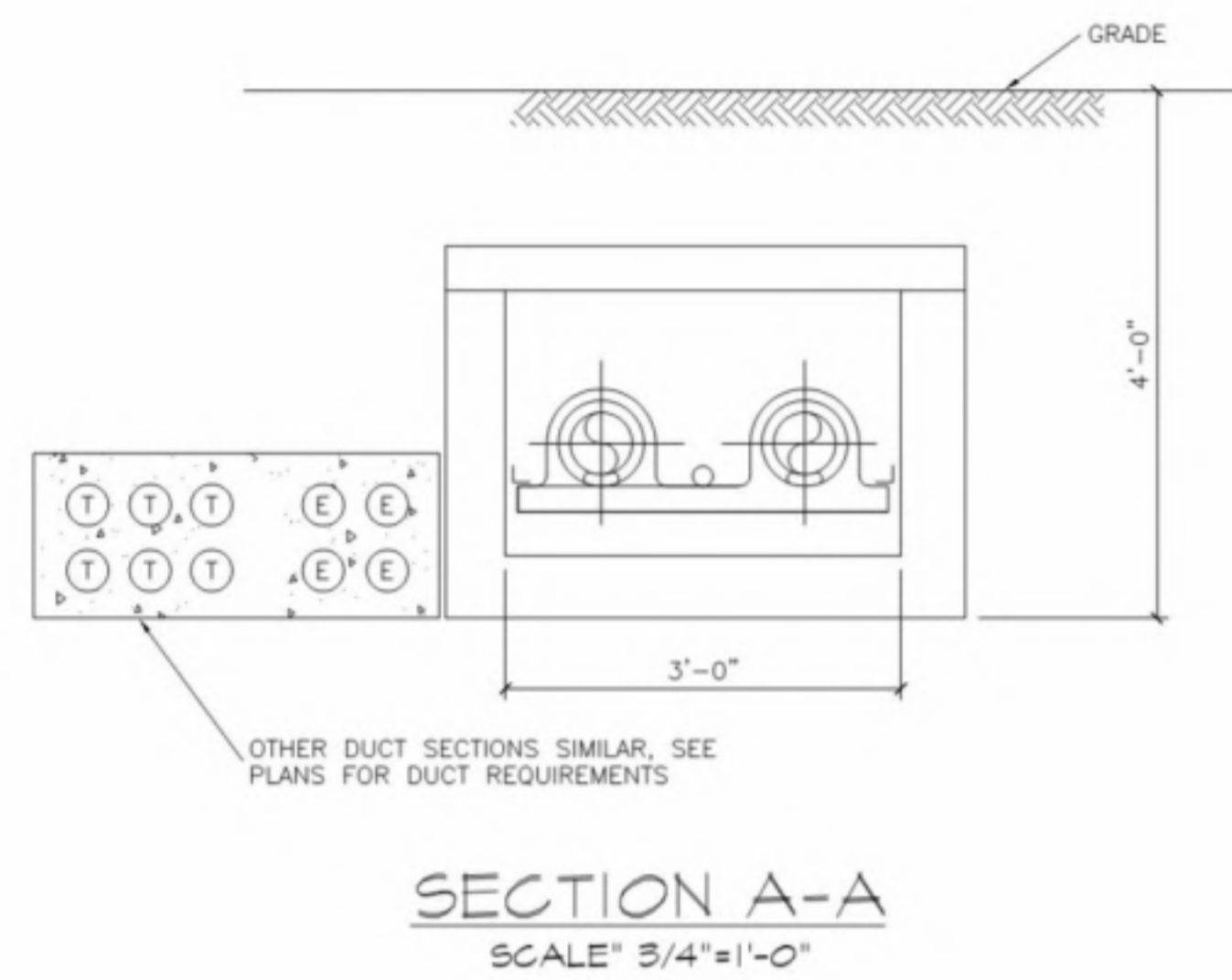
PROPERTY LINE



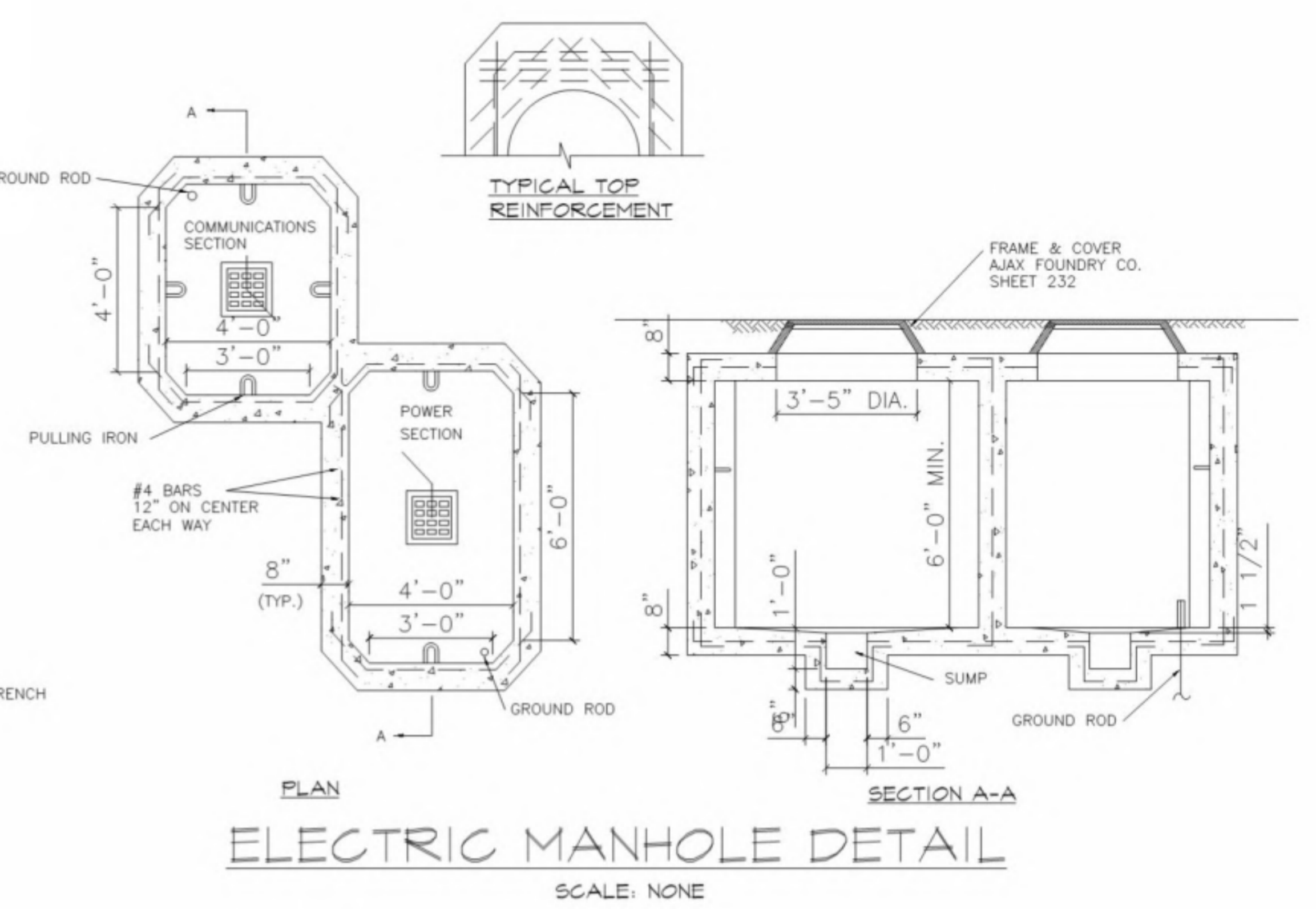
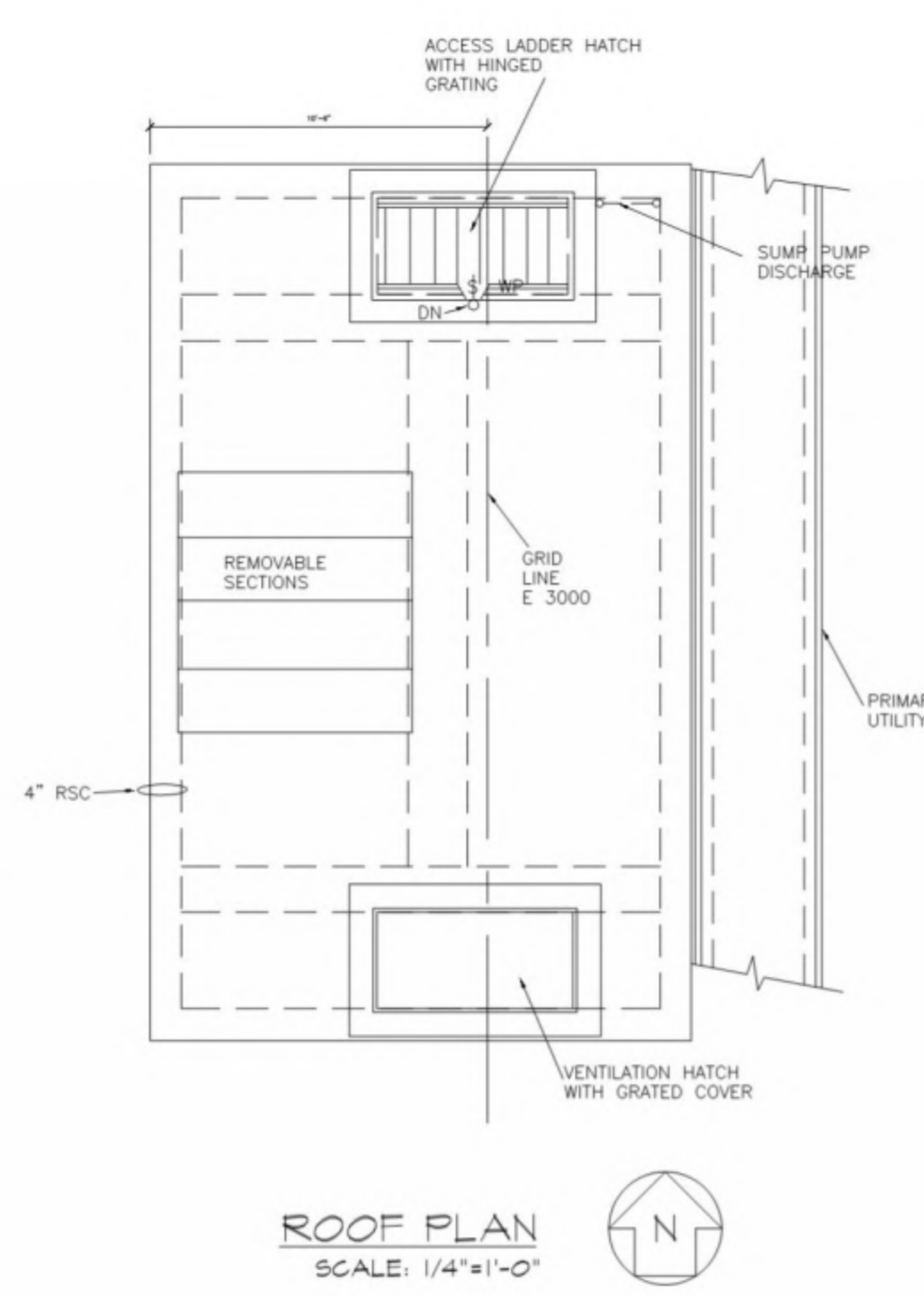
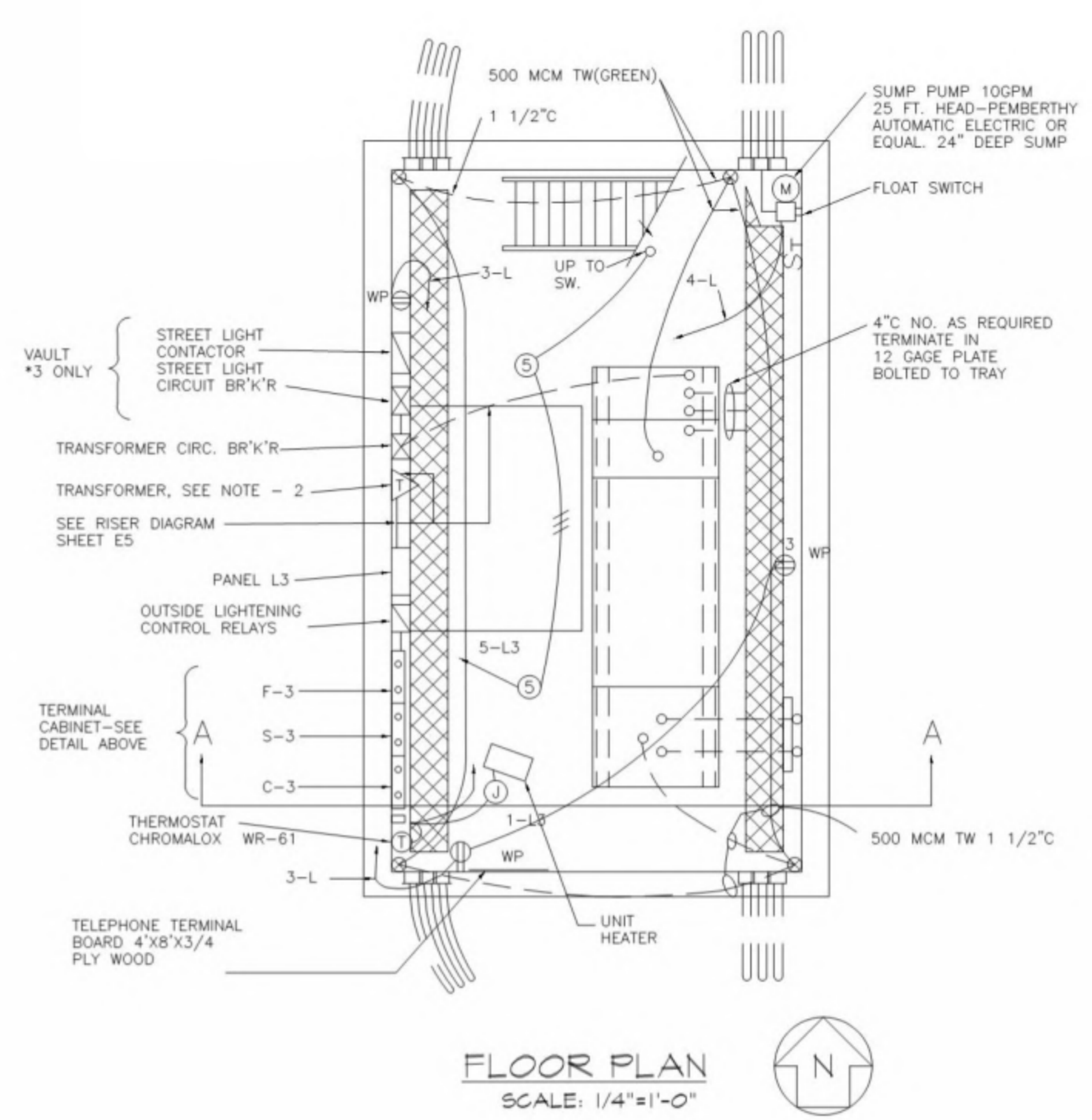
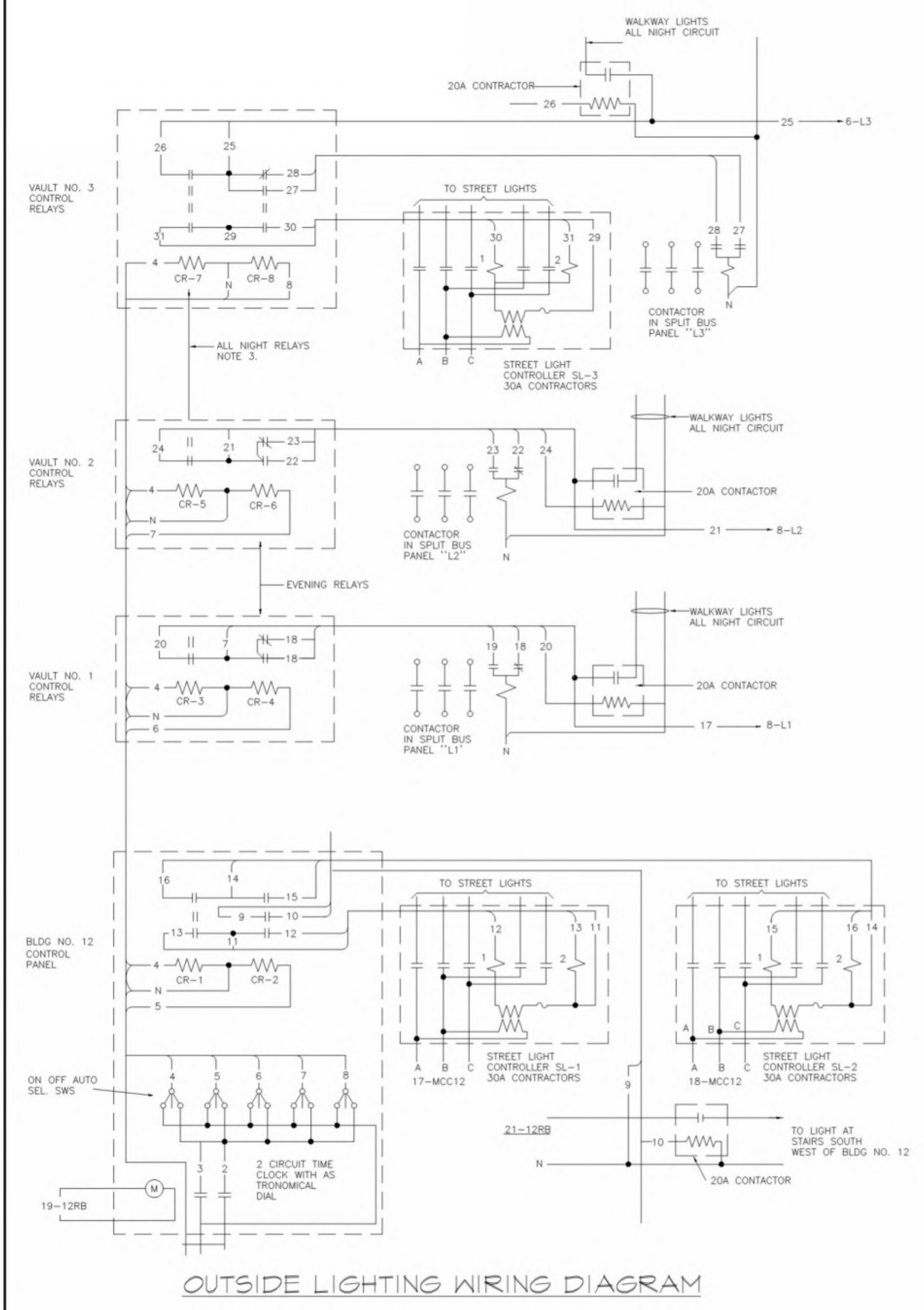
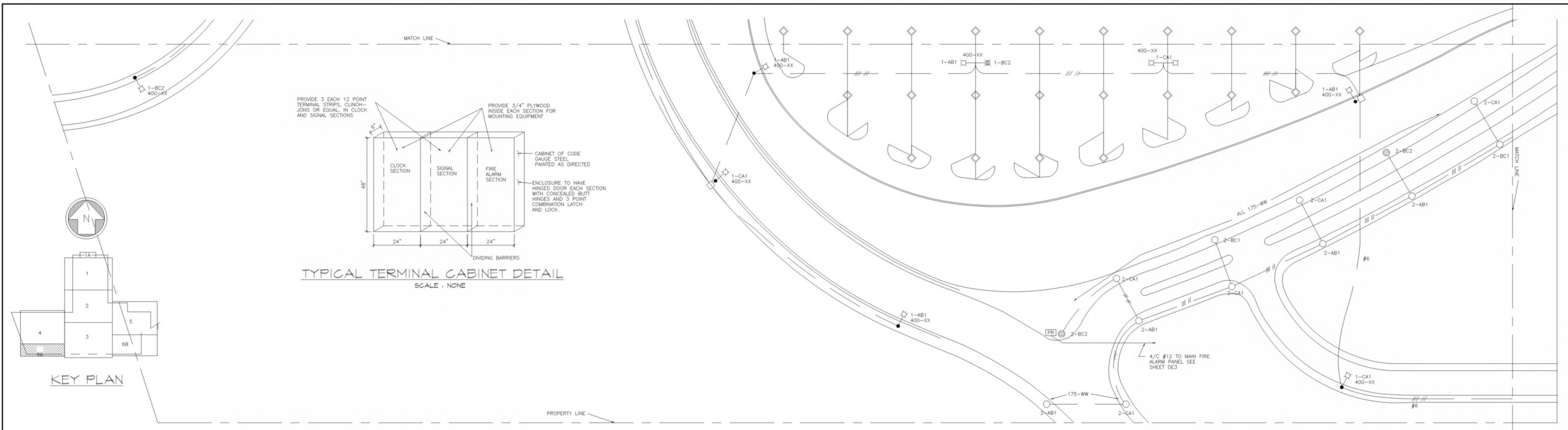
UNDERGROUND DUCT SECTIONS

NOTES

1. ALL DUCTS EXTERIOR TO BUILDINGS TO BE CEMENT, ASBESTOS OR FIBER CONCRETE ENCASED.
2. ALL DUCTS TO BE 4 INCH DIAMETER UNLESS OTHERWISE INDICATED ON SITE PLAN.
3. ALL CONDUITS (OR DUCTS) WITHIN BUILDINGS AND TO A POINT 5 FEET OUTSIDE BUILDING LINE TO BE RIGID STEEL.
4. CONFIGURATION OF DUCT SECTIONS NOT SHOWN TO BE AS DIRECTED.



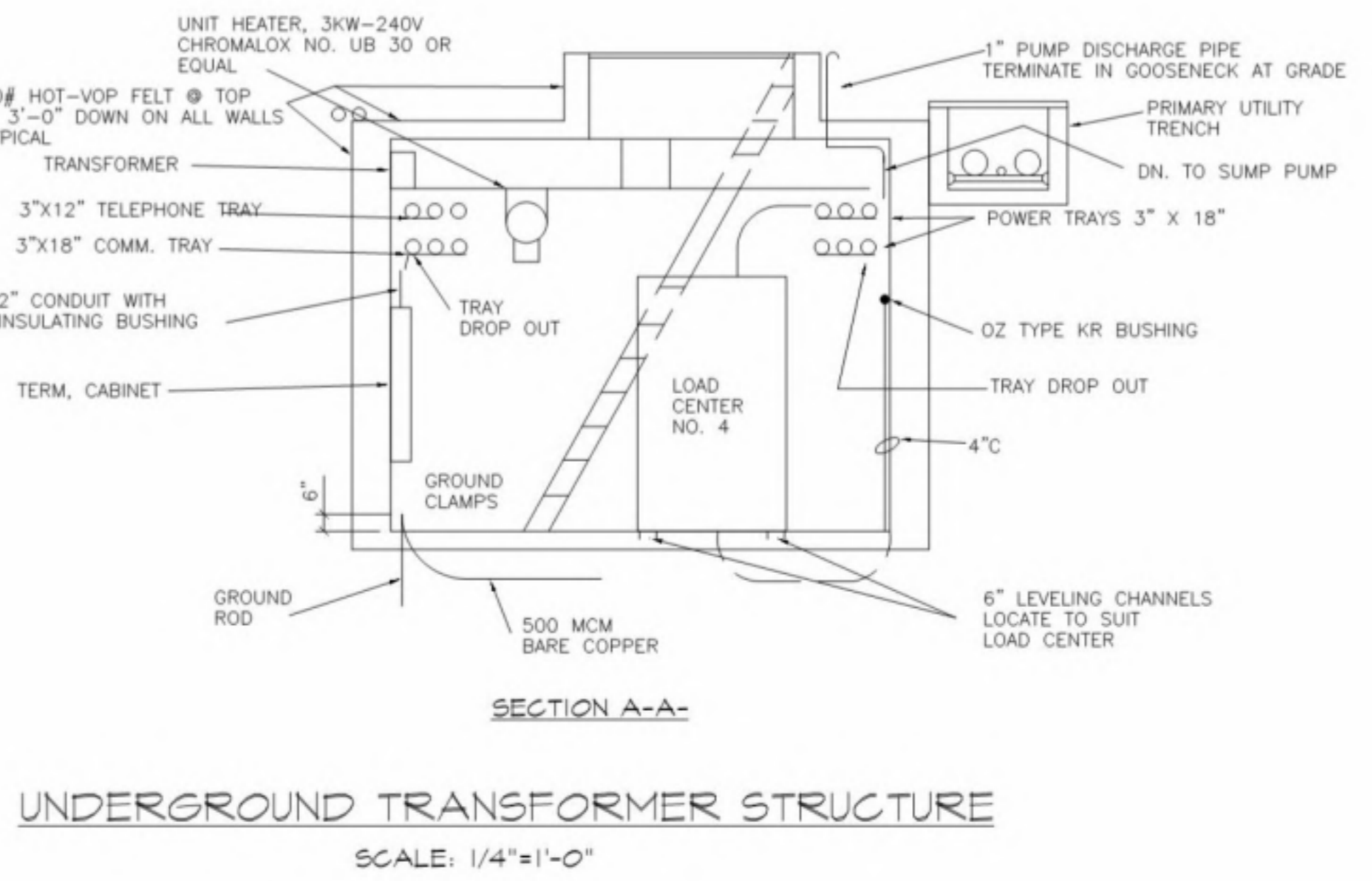
SITE PLAN - AREA 4  
SCALE: 1"=50'-0"



- NOTES:
- SEE SHEET D-FOR LEGEND, SYMBOLS & NOTES.
  - TRANSFORMER 15KVA, 480V - 208/120V, 3P, 4W DRY TYPE- WALL MOUNTED. CLEAR OF REMOVABLE ROOF SECTIONS.

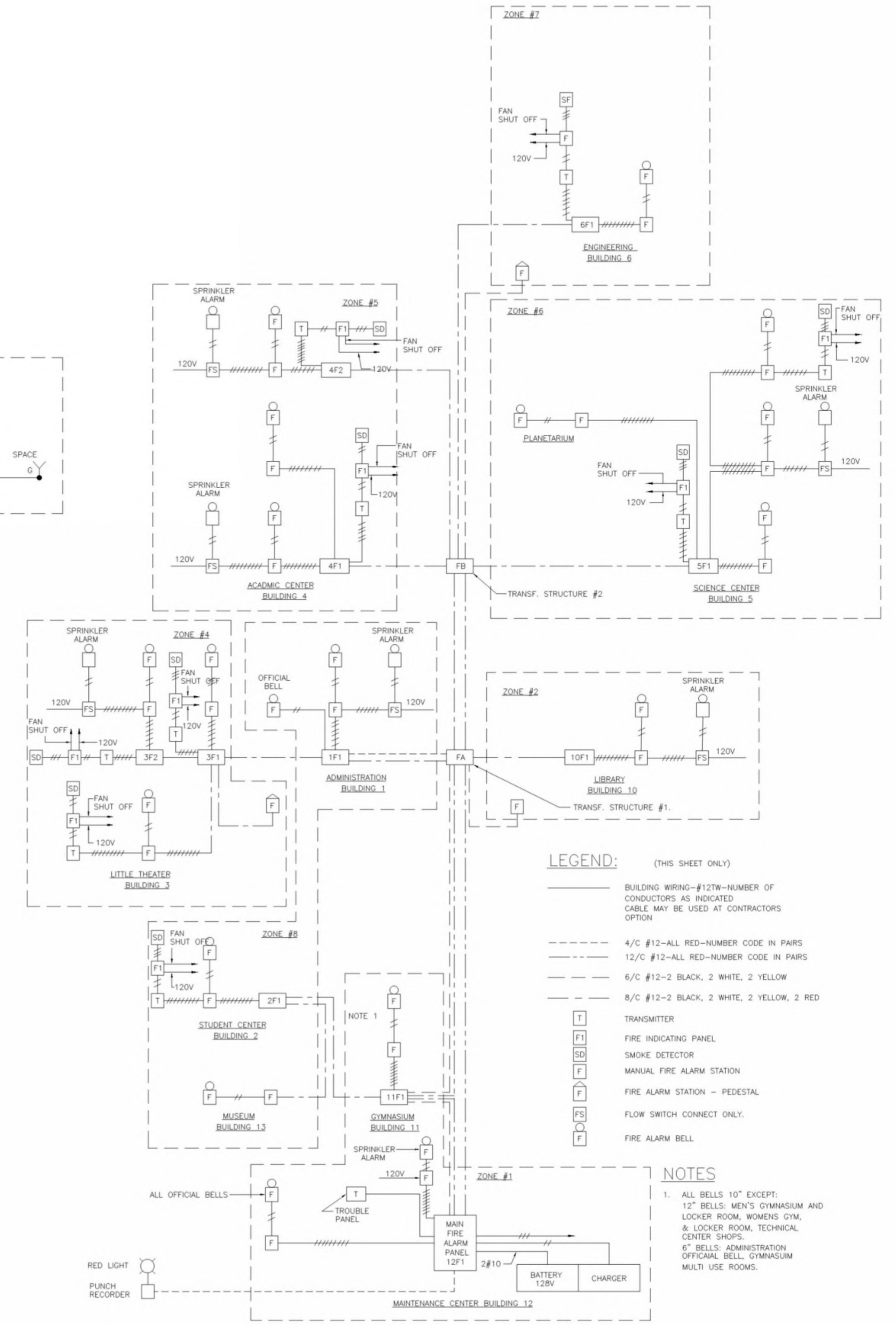
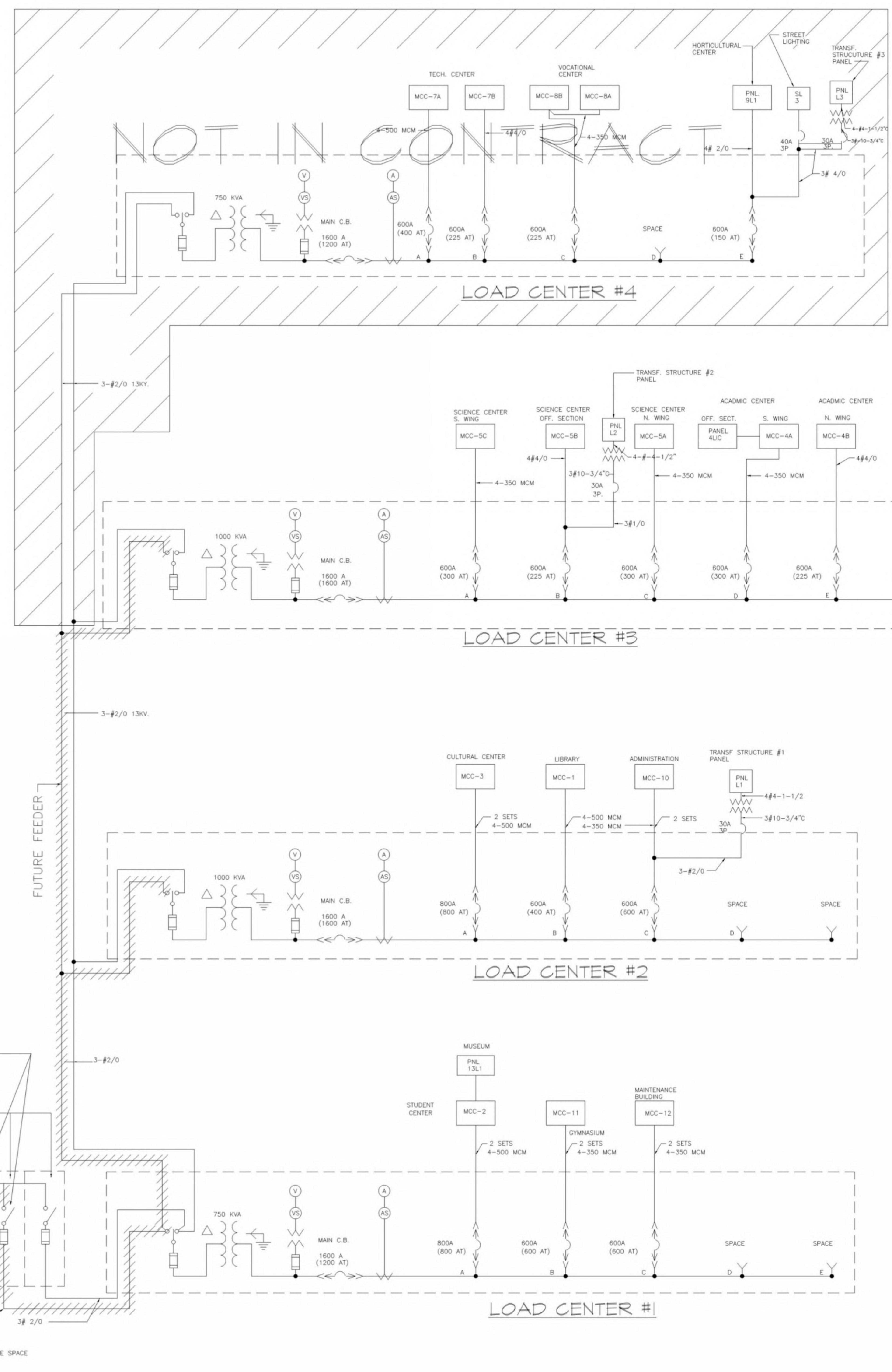
PANEL BOARD SCHEDULE

PANEL	1P-20	2P-20	2P-5P	REMARKS
L - 1	3,8 & 9-20	1	2	SPLIT BUS 60A, CONTACTOR BETWEEN 8 & 9
L - 2	3,8 & 9-20	1	2	SPLIT BUS 60A, CONTACTOR BETWEEN 8 & 9
L - 3	3,8 & 9-20	1	2	SPLIT BUS 60A, CONTACTOR BETWEEN 8 & 9



**LEGEND (POWER)**

- (V) VOLTMETER
- (VS) VOLTMETER SWITCH
- (A) AMMETER
- (AS) AMMETER SWITCH
- (DB) DRAW-OUT CIRCUIT BREAKER
- (HVS) H.V. SELECTOR SWITCH & FUSE
- (T) TRANSFORMER, POWER
- (TL) TRANSFORMER, LIGHTING
- (TC) TRANSFORMER, CURRENT
- (TP) TRANSFORMER, POTENTIAL

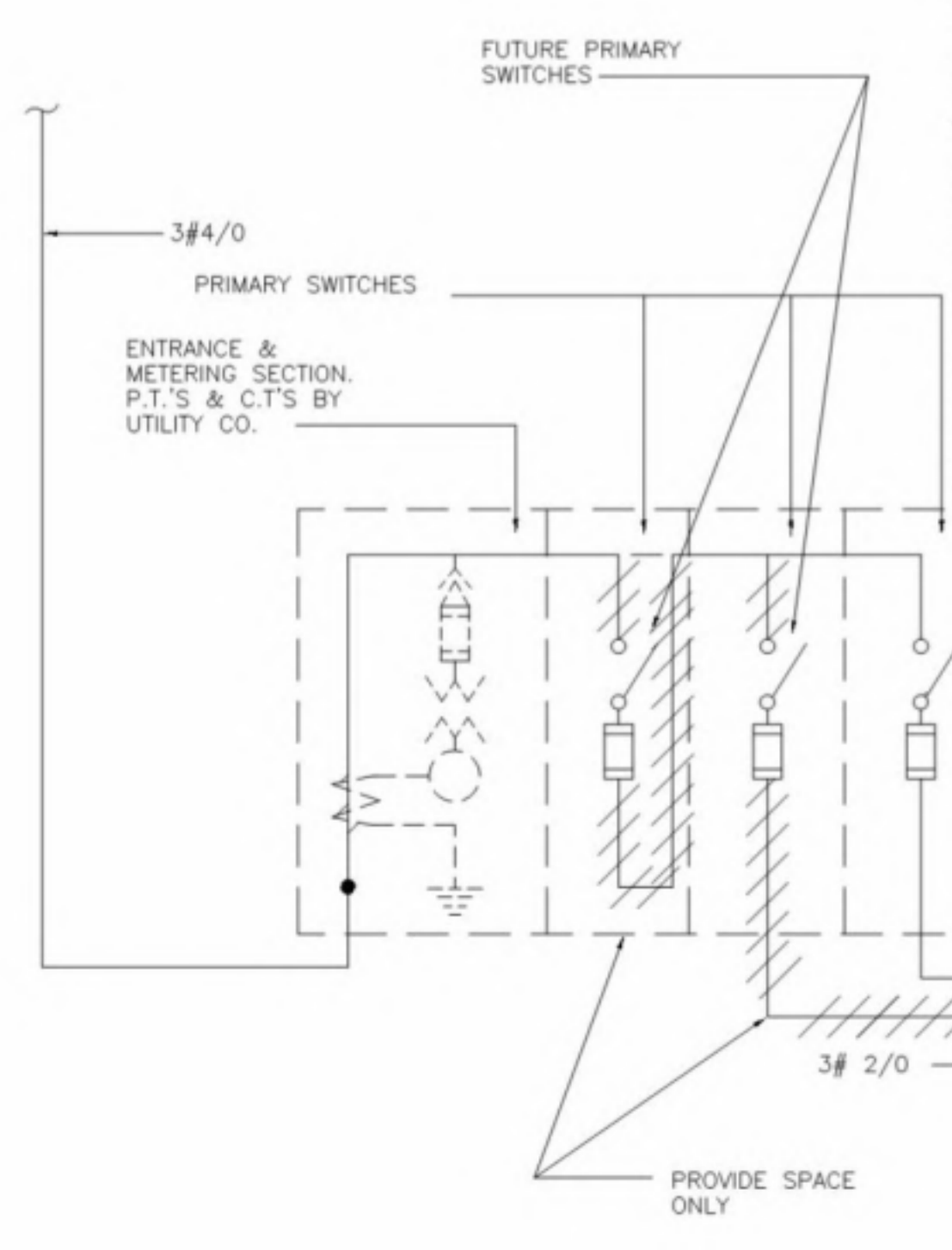


**LEGEND:** (THIS SHEET ONLY)

- BUILDING WIRING - #12TW - NUMBER OF CONDUCTORS AS INDICATED
- CABLE MAY BE USED AT CONTRACTORS OPTION
- 4/C #12 - ALL RED - NUMBER CODE IN PARS
- 12/C #12 - ALL RED - NUMBER CODE IN PARS
- 6/C #12 - 2 BLACK, 2 WHITE, 2 YELLOW
- 8/C #12 - 2 BLACK, 2 WHITE, 2 YELLOW, 2 RED
- (T) TRANSMITTER
- (FIP) FIRE INDICATING PANEL
- (SD) SMOKE DETECTOR
- (FAS) MANUAL FIRE ALARM STATION
- (FAS) FIRE ALARM STATION - PEDESTAL
- (FSC) FLOW SWITCH CONNECT ONLY
- (FAB) FIRE ALARM BELL

**NOTES**

1. ALL BELLS 10" EXCEPT 12" BELLS: MEN'S GYMNASIUM AND LOCKER ROOM, WOMEN'S GYM, & LOCKER ROOM, TECHNICAL CENTER SHOPS.
- 6" BELLS: ADMINISTRATION OFFICIAL BELL, GYMNASIUM MULTI USE ROOMS.



LIGHTING FIXTURE SCHEDULE

TYPE	DETAIL	DESCRIPTION	MANUFACTURER	TYPE	DETAIL	DESCRIPTION	MANUFACTURER
A1		FLUORESCENT FIXTURE WITH POLYSTYRENE PLASTIC SIDE PANELS AND LENS. PROVIDE STEMS, CANOPIES, COUPLING HARDWARE, ETC. AS REQUIRED. MOUNTING HEIGHT SHALL BE 10' UNLESS OTHERWISE INDICATED.	BENJAMIN 'CATALINA' #2100 SERIES	W1		RECESSED OPEN REFLECTOR DOWN-LIGHT WITH ALZAK REFLECTOR, BOTTOM ACCESS & FRAME FOR SLOPING CEILING.	CENTURY LIGHTING #902
A2				W2		TYPE W1 110' LIGHT CONE	CENTURY LIGHTING #920
A3				X		RECESSED DOWNLIGHT WITH HORIZONTAL BAFFLES FOR USE WITH R40 FLOODLIGHT.	GOTHAM LIGHTING CORPORATION #569-30
A4				Y			
A5				Z1		INCANESCENT RECESSED FIXTURE, PREWIRED, CONCRETE TYPE HOUSING.	PRESCOLITE #90-LFP SERIES
B1		SHALLOW RECESSED FLUORESCENT FIXTURE 1 FT OR 2 FT WIDE, 5" MAX. DEEP. WITH MOLDED POLYSTYRENE LENS. PROVIDE PLASTER FRAME WHERE REQUIRED.	SMOOT-HOLMAN #221 SERIES OR SUNBEAM #9200 SERIES FOR 24" WIDE UNITS	Z2		TYPE Z1 FRESNEL LENS	PRESCOLITE #600-FP SERIES
B2				AA		EXPLOSION-PROOF INCANESCENT PENDANT TYPE, WITH DOME REFLECTOR.	CROUSE HINDS TYPE #EVA SERIES
B3				BB			
B4							
B7			S.H. #220 SERIES OR SUNBEAM #9100 SERIES FOR 12" WIDE UNITS				
C1		INDUSTRIAL TYPE INCANESCENT, WITH RM REFLECTOR.	SMOOT-HOLMAN #12800 SERIES	CC1		EXIT LIGHT UNIT, CEILING-MTD, 6" MIN HT. LETTERS PROVIDE DIRECTIONAL ARROWS WHERE INDICATED.	WAGNER-WOODRUFF #F-33246/6"-277V SERIES
C2				CC2		TYPE CC2 2 LAMPS, PLUS CANDEL-ABRA BASE SOCKET	WAGNER-WOODRUFF #F-33244/6"-277V SERIES
D		FLUORESCENT STRIP LIGHTS WITH ASYMMETRIC REFLECTOR. FILL OUT CONTINUOUS ROWS.	DAYBRITE #99260 SERIES	DD1		SIMILAR TO FIXTURES TYPE CC1 & CC2 EXCEPT SURFACE MOUNTED ON WALL.	WAGNER-WOODRUFF #F-33244/6"-277V SERIES
E1		FLUORESCENT BARE LAMP WITH BALLAST CHANNEL.	SUNBEAM #201 SERIES	DD2		TYPE DD2 2 LAMPS, PLUS CANDEL-ABRA BASE SOCKET	WAGNER-WOODRUFF #F-33243/6"-277V SERIES
E2			SUNBEAM #202 SERIES	EE		SIMILAR TO FIXTURE TYPE DD2 EXCEPT RECESS IN WALL.	WAGNER-WOODRUFF #F-33243/6"-277V SERIES
F1		RECESSED INCANESCENT FIXTURE WITH HOLOPHANE LENS.	MC PHILBEN #68 SERIES	FF		RECESSED INCANESCENT UNIT FOR MOUNTING IN CAST CONCRETE CEILING. WITH HOLOPHANE "CONTROLLEN" FOR ASYMMETRIC DISTRIBUTION.	MC PHILBEN #43-30 SERIES
F2				GG		INCANESCENT SURFACE MOUNTED FIXTURE WITH OPAL GLASS DIFFUSER.	LIGHTOLIER #4360 SERIES
G		PORCELAIN LAMP RECEPTACLE, KEYLESS OUTLET BOX MOUNTING.	OPTIONAL	HH			
H1		INDUSTRIAL FLUORESCENT FIXTURE MOUNTED 10' ABOVE FLOOR UNLESS OTHERWISE INDICATED. PROVIDE STEMS, CANOPIES, & COUPLERS AS REQUIRED.	SMOOT-HOLMAN #NSD SERIES	JJ		SUSPENDED MERCURY-VAPOR FIXTURE WITH PRISMATIC REFLECTOR. PROVIDE STEMS & HARDWARE AS REQUIRED. BALLAST SHALL BE MOUNTED ON CLG NEAR FIXTURE.	HOLOPHANE #640 SERIES
H2				KK1		SUSPENDED INCANESCENT UNIT WITH PRISMATIC GLASS "LOBAY" REFLECTOR IN ALUMINUM COVER.	HOLOPHANE #665 SERIES
H3				KK2		TYPE KK1 MEDIUM SPREAD KK2 WIDE SPREAD	HOLOPHANE #662 SERIES
K		WEATHERPROOF EXTERIOR DUAL LAMP INCANESCENT WALL BRACKET UNIT WITH A HEAVY CAST ALUMINUM HOOD & SPECULAR ALZAK REFLECTOR.	MC PHILBEN #4-1872 SERIES	LL		FLUSH MOUNT INDIRECT INCANESCENT FIXTURE WITH METAL EGG-CRETE LOUVER.	SMOOT-HOLMAN #RP-50F/300 SERIES
L		WEATHERPROOF INCANESCENT SURFACE MOUNTED CYLINDRICAL DOWNLIGHT UNIT. HOUSING TO BE SPUN ALUMINUM ANODIZED FINISH.	PEERLESS ELECTRIC CO. #AL6028-S	MM		FLUORESCENT UNIT, VAPOR-TIGHT WITH CLEAR PLASTIC ENCLOSING SHIELD, FINISHED IN HIGH GLOSS WHITE BAKED ENAMEL.	CRAFTLITE (PARAMOUNT INDUSTRIES) #800 SERIES
M				NN		FLUORESCENT STRIP LIGHT UNIT WITH PLASTIC DIFFUSER. TWO LAMPS IN TANDEM WHERE INDICATED.	SUNBEAM #P-2800 SERIES
N			TAYLOR CEILINGS #S100-C457-1	PP		FLUSH MOUNTED WATER-TIGHT INCANESCENT UNIT FINISHED IN POLISHED CAST ALUMINUM, WITH PRISMATIC ASYMMETRIC GLASS LENS.	MC PHILBEN #93-16A SERIES
P		SUSPENDED INCANESCENT FIXTURE, METAL CYLINDER WITH CLOSED TOP & RECESSED RING LOUVER FOR 15W R40 FLOODLIGHT. ALL MATTE WHITE FINISH.	SHAPER LIGHTING PRODUCTS #4860-612-R	QQ		WEATHERPROOF INCANESCENT BULLET TYPE FIXTURE, IF CAST ALUMINUM WITH LUSTER LIGHT ALUMINUM FINISH. FOR R40 OR PAR 35 LAMPS. SINGLE OR GROUP MOUNTING AS INDICATED BY LAMP REQUIREMENTS SHOWN ON PLANS.	MOLDCAST #ML230 SERIES
Q1			SHAPER LIGHTING PRODUCTS #D-2189	RR		SURFACE MOUNTED FLUORESCENT FIXTURE, 2 FT. SQ. WITH MOLDED POLYSTYRENE LENS.	SUNBEAM #4600 SERIES
Q2			TYPE Q1 NORMAL CIRCUIT ONLY Q2 W/ADD'L SOCKET FOR EMRG. LT.	SS		VAPOR-TIGHT INCANESCENT BRACKET FIXTURE OF CAST ALUMINUM WITH SATIN ALUMINUM ANODIZED FINISH (WITH CAST GUARD WHERE INDICATED ON PLANS).	MC PHILBEN #43-40 SERIES FOR 100W #43-50 SERIES FOR 200W
R1		PENDANT MOUNTED FLUORESCENT UNIT WITH "RIBBLED" FLEXIGLASS DIFFUSING PANELS ON SQUARE STEEL CHANNEL.	SHAPER LIGHTING PRODUCTS #D-2182				
R2			TYPE R1 18 LAMPS R2 14 LAMPS				
S		SHALLOW RECESSED FLUORESCENT UNIT WITH MOLDED POLYSTYRENE LENS.	SUNBEAM #9400 SERIES				
T		VAPOR-PROOF INCANESCENT RECESSED FIXTURE. PLASTER FRAME AS REQUIRED.	LITECRAFT #D-840 SERIES				
U							
V		RECESSED DOWNLIGHT FOR 50'± SLOPING CEILING WITH BLACK ALUMITE REFLECTOR FOR USE WITH 300W R40 FLOODLIGHT.	GOTHAM LIGHTING CORPORATION #942-30B				

GENERAL NOTES

1. ALL LIGHTING FIXTURES SHALL BE INSTALLED IN COMPLIANCE WITH EARTHQUAKE-PROOFING REGULATIONS SET FORTH IN TITLE 24, CALIFORNIA ADMINISTRATIVE CODE PARAGRAPH 2427(n) AS FOLLOWS: A FIXTURE WHICH WEIGHS MORE THAN SIX POUNDS OR EXCEEDS 16 INCHES IN ANY DIMENSION SHALL NOT BE SUPPORTED BY THE SCREW SHELL OF A LAMPHOLDER. A FIXTURE WHICH WEIGHS MORE THAN 50 POUNDS SHALL BE SUPPORTED INDEPENDENTLY OF THE OUTLET BOX. FIXTURE HANGERS SHALL PERMIT THE FIXTURE TO SWING 15" MINIMUM IN ANY DIRECTION.

2. PANEL & TERMINAL KEY:  
EXAMPLE 1 - PANELBOARDS  
DENOTES BUILDING OR BUILDING GROUP NUMBER  
DENOTES TYPE (SEE LEGEND)  
DENOTES FLOOR LOCATION  
DENOTES MORE THAN ONE PANEL ON FLOOR.

LEGEND:  
L-LIGHTING PANEL 277/480V  
R-RECEPTACLE PANEL 120/208V  
P-POWER PANEL  
E-EMERGENCY PANEL

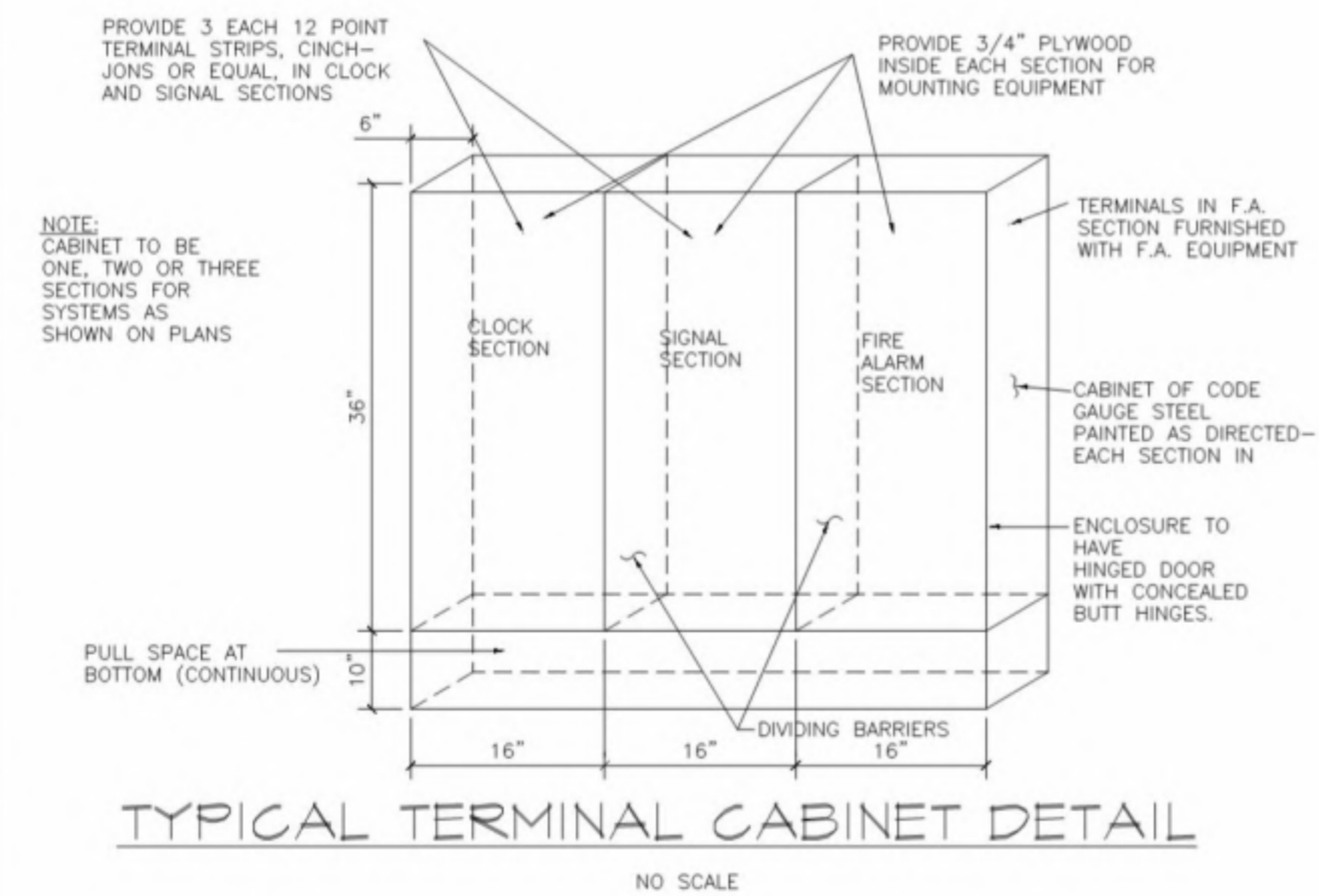
EXAMPLE 2 - TERMINAL CABINETS ON BOARDS  
DENOTES BUILDING OR BUILDING GROUP NUMBER  
DENOTES SYSTEM (SEE-LEGEND)  
DENOTES AREA IN BUILDING.

LEGEND:  
T-TELEPHONE COMPANY (BACKBOARD ONLY UNLESS NOTED OTHERWISE)  
S-COMMUNICATIONS (TV,C,FA,ETC.)  
F-FIRE ALARM SYSTEM  
C-CLOCK SYSTEM  
HV-HEATING & VENTILATING

NOTE: IN MOST CASES, S, F & C ARE IN A COMMON ENCLOSURE WITH INTERNAL SEPARATING BARRIERS UNLESS NOTED OTHERWISE.

3. DISREGARD ALL SYMBOLS & LIGHTING FIXTURES WHICH DO NOT APPEAR ON PLANS.

4. MOTORS FOR MECHANICAL & PLUMBING UNITS ARE DESIGNATED THE SAME AS ON CORRESPONDING MECHANICAL OR PLUMBING SHEETS.



ELECTRICAL SYMBOLS

CEILING	WALL	DESCRIPTION	DESCRIPTION
		OUTLET	LIGHTING PANEL
		BLANKED OUTLET	POWER PANEL
		EMERGENCY OR NIGHT LIGHT OUTLET	TERMINAL CABINET
		FLUORESCENT FIXTURE OUTLET	CROSS CONNECTING PANEL
		EXT. LIGHT OUTLET	D.C. SUPPLY PANEL
		JUNCTION BOX	
			PLUG IN TROLLE DUCT 16, 3W, 50A, 250VOLT
			UNDERFLOOR DUCT
		DUPLEX TWISTLOCK RECEPTACLE	
		DUPLEX CONVENIENCE RECEPTACLE	
		50A 3P, 3W RECEPTACLE WITH CAP	
		PEDESTAL RECEPTACLE	
		FLOOR OUTLET WITH RECEPTACLE	
		30A OUTLET 600V, 3ø, 4W WITH CAP	
		50A OUTLET 600V, 1ø, 3W WITH CAP	
		50A OUTLET 250V, 3ø, 4W WITH CAP	
		50A OUTLET 250V, 1ø, 3W	
		20A OUTLET 250V, 1ø, 3W	
		PLUG IN STRIP, SYMBOL ADJACENT INDICATES NUMBER OF DUPLEX CONVENIENCE RECEPTACLES SPACE 2'-0" O.C. WIREMOLD 3000 OR EQUAL	
		30A OUTLET 250V, 1ø, 3W	
		SPECIAL OUTLET AS NOTED	
			DOORBELL TYPE TRANSFORMER
			MOTOR CONNECT ONLY
			TRANSFORMER
			COMBINATION STARTER (CONNECT ONLY)
			DISCONNECT SWITCH
			START-STOP P.B. STATION, "P" INDICATES W/PILOT LIGHT
			THERMOSTAT
			SECONDARY CLOCK
			PUSHBUTTON
			BELL
			"BIG BEAM" BATTERY STANDBY UNIT
			"BIG BEAM" BATTERY STANDBY UNIT W/FLOODLIGHTS
			BATTERY POWERED EMERGENCY SUPPLY
			DUCT HEATER - CONNECT ONLY
			OUTSIDE TELEPHONE OUTLET
			PUBLIC TELEPHONE FLOOR OUTLET
			PUBLIC ADDRESS OUTLET
			MICROPHONE OUTLET
			INTERCOMMUNICATION OUTLET AUDITORIUM SYSTEM ONLY.
			CEILING SPEAKER
			CEILING SPEAKER, PROJECTOR TYPE
			SPEAKER IN BASS REFLEX CABINET
			TELEVISION OUTLET
			AUDIO VISUAL OUTLET
			TALK-BACK OUTLET - TV STUDIO
			FIRE ALARM TROUBLE BELL
			FIRE ALARM GONG
			FIRE ALARM STATION
			FLOW SWITCH (CONNECT ONLY)
			SPEAKER OUTLET, 1-GANG BOX, 6" FROM CORNER, UP 8'-0" EXCEPT AS NOTED.
			W.R. WEATHERPROOF
			2/75-A INDICATES NUMBER AND WATTAGE OF LAMPS AND TYPE OF FIXTURE. THIS 2/75-A INDICATES TWO-75 WATT LAMPS IN A TYPE "A" FIXTURE.
			5± INDICATES MOUNTING HEIGHT OF 5'-6" ABOVE FINISH FLOOR OR GRADE
			N.I.C. NOT IN CONTRACT
			SMOKE DETECTOR
			FIRE ALARM INDICATING CABINET
			FIRE ALARM TRANSMITTER
			1-3-19A HOMERUN TO PANELBOARD NUMBERS INDICATE BRANCH CIRCUITS. LETTERS INDICATE PANEL-BOARD. #12-1/2" UNLESS OTHERWISE NOTED. CROSSHATCH MARKS INDICATE NUMBER OF #12 AWG WIRES IF MORE THAN TWO, UNLESS NOTED OTHERWISE.
			PA PUBLIC ADDRESS CONDUIT SYSTEM 1#-19TP 1/2" UNLESS OTHERWISE NOTED.
			PA PUBLIC ADDRESS SYSTEM CONDUIT 3/4"
			TV TELEVISION CONDUIT SYSTEM 1" UNLESS OTHERWISE NOTED.
			T TELEPHONE CONDUIT SYSTEM 3/4" UNLESS OTHERWISE NOTED.
			C CLOCK & PROGRAM SYSTEM CONDUIT
			E EMERGENCY LIGHTING CONDUIT SYSTEM
			F FIRE ALARM CONDUIT SYSTEM
			AV AUDIO VISUAL CONDUIT SYSTEM 1/2" WITH 1#19TP UNLESS OTHERWISE NOTED.