

MANUFACTURER'S LIST

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PLANTING NOTES

- REFER TO CIVIL ENGINEER'S DRAWINGS FOR UTILITY LOCATIONS, TREE SUBDRAINAGE SUBROUTS, (IF REQUIRED), AND FINAL GRADING. IF ACTUAL SITE CONDITIONS VARY FROM WHAT IS SHOWN ON THE LANDSCAPE ARCHITECT'S DRAWINGS, THE CONTRACTOR SHALL CONTACT THE OWNER'S AUTHORIZED REPRESENTATIVE AND LANDSCAPE ARCHITECT FOR DIRECTION AS TO HOW TO PROCEED.
- VERIFY LOCATIONS OF ALL PERTINENT EXISTING AND PROPOSED SITE IMPROVEMENTS. IF ANY PART OF THIS PLAN CANNOT BE FOLLOWED DUE TO SITE CONDITIONS, CONTACT THE LANDSCAPE ARCHITECT FOR INSTRUCTION PRIOR TO COMMENCING WORK.
- EXACT LOCATIONS OF PLANT MATERIALS SHALL BE REVIEWED BY THE LANDSCAPE ARCHITECT IN THE FIELD PRIOR TO INSTALLATION. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO ADJUST PLANTS TO EXACT LOCATION IN FIELD.
- CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL PLANT COUNTS AND SQUARE FOOTAGES. QUANTITIES SHOWN ON PLANS TAKE PRECEDENCE OVER WRITTEN QUANTITIES IN "PLANTING LEGEND."
- PROVIDE MATCHING FORMS AND SIZES FOR ALL PLANT MATERIALS WITHIN EACH SPECIES AND SIZE DESIGNATED ON THE DRAWINGS.
- PRUNE NEWLY PLANTED TREES ONLY AS DIRECTED BY LANDSCAPE ARCHITECT.
- ALIGNED AND EQUALLY SPACED, IN ALL DIRECTIONS, ALL SHRUBS TO BE AS DESIGNATED PER THESE NOTES AND DRAWINGS.
- ALL TREES IN ROWS TO BE ALIGNED.
- TREES SHALL BEAR SAME RELATION TO FINISH GRADE AS AT PLACE OF GROWTH.
- FINISH GRADES OF ALL TURF AREAS SHALL BE (1") BELOW ADJACENT CURB OR PAVEMENT. FINISH GRADES OF ALL SHRUB AREAS SHALL BE (1-1/2") BELOW ADJACENT CURB, PAVEMENT OR HEADER.
- CONTRACTOR SHALL SUBMIT FOR APPROVAL (2) COLOR PHOTOS OF ALL TREES, SHRUBS, AND GROUNDCOVER. PHOTOS SHOULD INCLUDE A PERSON AND MEASURING STICK FOR SCALE PURPOSES, PHOTOS SHALL BE OF THE ACTUAL PLANT MATERIAL TO BE USED ON THE PROJECT. ALL PLANT MATERIAL SHALL BE OF A QUALITY AS DETERMINED BY THE LANDSCAPE ARCHITECT. MATERIAL FOUND UNSUITABLE FOR THE DESIGN OR SPECIFICATION INTENT WILL BE REJECTED.
- PROVIDE A (2") LAYER OF "GORILLA HAIR" MULCH AT PROPOSED TREE, SHRUB, AND GROUNDCOVER PLANTING AREAS, EXCEPT AREAS WITH JUTE MESHING.
- CONTRACTOR SHALL CONDUCT AGRICULTURAL SUITABILITY AND FERTILITY SOILS TESTING PER SOIL PREPARATION SPECIFICATION. ANALYSIS SHALL INCLUDE RECOMMENDATIONS FOR SOIL PREPARATION AND BACKFILL MIX AS WELL AS RECOMMENDATIONS FOR POST MAINTENANCE FERTILIZATION. SUBMIT SOIL ANALYSES AND SAMPLES OF AMENDMENTS TO LANDSCAPE ARCHITECT FOR REVIEW PRIOR TO SOIL PREPARATION.
- QUANTITIES LISTED ON PLANT LEGEND ARE PER SHEET. CONTRACTOR MUST VERIFY QUANTITIES GIVEN ON THE PLANS WITH ACTUAL QUANTITIES SHOWN.
- PROVIDE ROOT BARRIERS IN ADDITION TO THOSE INDICATED ON THE PLANS FOR ALL TREES WITHIN 5' OF ANY HARDSCAPE.
- PLANT ALL TREES A MIN. OF 2' FROM ANY DRAIN LINES. THE LANDSCAPE ARCHITECT SHALL VERIFY THE LOCATION OF ALL DRAIN LINES PRIOR TO COMMENCING WORK.
- TREES ARE TO BE A MINIMUM OF 3' AWAY FROM ANY HARDSCAPE SUCH AS CURBS, WALKS, ETC.
- LANDSCAPE MAINTENANCE PERIOD IS 90 DAYS.
- REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

LAYOUT AND MATERIALS NOTES

- THE CONTRACTOR SHALL LAYOUT AND FIELD VERIFY ALL DIMENSIONS OF DRIVEWAY, PLANTERS, WALKS, SLOPES AND RELATED WORK PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE.
- VERIFY LOCATIONS OF ALL PERTINENT EXISTING AND PROPOSED SITE IMPROVEMENTS. IF ANY PART OF THIS PLAN CANNOT BE FOLLOWED DUE TO SITE CONDITIONS, CONTACT THE LANDSCAPE ARCHITECT FOR INSTRUCTION PRIOR TO COMMENCING WORK.
- WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE.
- THIS DRAWING INCLUDES THE LOCATION OF AREA DRAINS FOR REFERENCE. REFER TO RELATED CIVIL ENGINEER'S DRAWINGS FOR CONSTRUCTION DETAILS AND UTILITY CONNECTIONS.
- REFER TO ELECTRICAL ENGINEER'S DRAWINGS FOR LIGHT FIXTURE SCHEDULE AND CIRCUITRY AS NECESSARY.
- WHERE DIMENSIONS ARE CALLED AS "EQUAL", ALL REFERENCED ITEMS SHALL BE SPACED EQUALLY, MEASURED TO THEIR CENTERLINES.
- ALL MEASUREMENTS ARE TO FACE OF WALL, CURB OR OTHER FIXED SITE IMPROVEMENT, UNLESS OTHERWISE NOTED. DIMENSIONS TO CENTERLINES AS INDICATED.
- INSTALL ALL INTERSECTING ELEMENTS AT 90 DEGREES TO EACH OTHER UNLESS OTHERWISE NOTED.
- ALL DRAINS / BASINS SHOULD HAVE BLACK ATRIUM TYPE GRATES WITHIN SHRUBS/GROUNDCOVER AREAS AND BLACK FLAT TYPE GRATES IN TURF AREAS.

LANDSCAPE GRADING AND DRAINAGE

- REFER TO CIVIL ENGINEER'S GRADING PLANS FOR SITE GRADING, DRAINAGE, AND UTILITY LOCATIONS. IF ACTUAL SITE CONDITIONS VARY FROM WHAT IS SHOWN ON THE LANDSCAPE ARCHITECT'S DRAWINGS, THE CONTRACTOR SHALL CONTACT THE OWNER'S AUTHORIZED REPRESENTATIVE AND LANDSCAPE ARCHITECT FOR DIRECTION AS TO HOW TO PROCEED.
- REFER TO CIVIL ENGINEER'S DRAWINGS FOR SUBDRAINAGE POINT OF IN CONNECTION TO STORM DRAIN.
- THE CONTRACTOR SHALL REQUEST OBSERVATION AS REQUIRED 48 HOURS ADVANCE OF PERFORMING WORK.
- THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA 800/227-2600) 48 HOURS PRIOR TO ANY EXCAVATION.
- ALL GRADING OPERATIONS SHALL CONFORM TO APPENDIX J AND SECTION 1804A.3 OF THE CALIFORNIA BUILDING CODE.
- FIELD VERIFY EXISTING UNDERGROUND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION AND ELEVATION IN THE FIELD PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION.
- NO CHANGE IN CONTRACT PRICE WILL BE ALLOWED FOR ACTUAL OR CLAIMED DISCREPANCY BETWEEN EXISTING GRADE AND THOSE SHOWN ON PLANS AFTER CONTRACTOR HAS ACCEPTED EXISTING GRADES AND MOVED ONTO THE SITE.
- ALL PROPOSED GRADES ARE TO MEET AND BLEND IN WITH EXISTING GRADING AT PROJECT LIMIT AND EXISTING SIDEWALK. PRECISE ELEVATIONS INDICATED ON PLANS TO BE VERIFIED IN FIELD TO AS-BUILT CONDITION.
- THE DEBRIS CREATED BY LANDSCAPE GRADING OPERATIONS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LEGALLY DISPOSED OF OFF-SITE.
- FINAL LANDSCAPE GRADING SHALL BE REVIEWED BY THE LANDSCAPE ARCHITECT IN THE FIELD PRIOR TO INSTALLATION OF PLANTING.

GENERAL NOTES

- BASE INFORMATION INCLUDING THE LOCATION OF PROPERTY LINES, EASEMENTS, BUILDINGS, ROADS AND CURBS HAVE BEEN TAKEN FROM THE CIVIL ENGINEER'S DRAWINGS. REFER TO CIVIL ENGINEER'S DRAWINGS FOR ADDITIONAL INFORMATION.
- REFER TO THE CIVIL ENGINEER'S DRAWINGS FOR PROPOSED UTILITY INFORMATION INCLUDING STORM DRAIN, SEWER, WATER, ELECTRICAL, GAS, TELEPHONE AND CABLE TV.
- REFER TO CITY AND/OR COUNTY STANDARD PLANS AND SPECIFICATIONS WHERE APPLICABLE.
- VERIFY SITE INFORMATION, INCLUDING PROPERTY LINES, EXISTING ABOVE GROUND AND BELOW GROUND UTILITIES AND STRUCTURES, AND OTHER INFORMATION AFFECTING THE SCOPE OF WORK INCLUDED ON THESE DRAWINGS. IF ACTUAL SITE CONDITIONS VARY FROM WHAT IS SHOWN ON THE LANDSCAPE ARCHITECT'S DRAWINGS, THE CONTRACTOR SHALL CONTACT THE OWNER'S AUTHORIZED REPRESENTATIVE AND THE LANDSCAPE ARCHITECT FOR DIRECTION ON HOW TO PROCEED.
- EXCAVATION IN THE VICINITY OF UTILITIES AND EXISTING MATERIALS SHALL BE UNDERTAKEN WITH CARE. THE CONTRACTOR BEARS FULL RESPONSIBILITY FOR THIS WORK. ANY DAMAGE CAUSED BY ANY PERSON, VEHICLE, EQUIPMENT, OR TOOL RELATED TO THE EXECUTION OF THE CONTRACT SHALL BE REPAIRED IMMEDIATELY AT NO EXPENSE TO THE OWNER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION REQUIRED TO ACCOMPLISH ALL CONSTRUCTION OPERATIONS. ALL PIPING, CONDUIT, SLEEVES, ETC., SHALL BE SET IN PLACE PRIOR TO INSTALLATION OF CONSTRUCTION ITEMS.
- CONTRACTOR SHALL BE RESPONSIBLE TO CONSULT WITH SITE SUPERINTENDENT, APPROPRIATE AGENCIES AND PLANS, FOR THE LOCATIONS OF ALL UNDERGROUND UTILITIES, PIPES AND STRUCTURES. CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR ANY COST INCURRED DUE TO DAMAGE OF SAID UTILITIES.
- CONTRACTOR SHALL NOT WILLFULLY PROCEED WITH CONSTRUCTION AS DESIGNED WHEN IT IS OBVIOUS THAT UNKNOWN OBSTRUCTIONS, AREA DISCREPANCIES AND/OR GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATIONS.
- CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ANY EXISTING MATERIALS THAT ARE DAMAGED DURING CONSTRUCTION.
- PRIOR TO INSTALLATION OF ANY CONSTRUCTION ITEM, FORMS WITH STEEL IN PLACE AND COMPACTED SUBGRADE COMPLETE, SHALL BE OBSERVED AND REVIEWED BY THE LANDSCAPE ARCHITECT.
- ALL WALLS AND WALKS SHOULD HAVE SMOOTH, CONTINUOUS CURVES AS INDICATED ON PLANS.
- ALL PROPERTY LINES, LOT LINES, AND TOP OF SLOPE LINES SHALL BE VERIFIED PRIOR TO COMMENCING WORK.
- ALL ELECTRICAL JUNCTION BOXES FOR LIGHTS SHALL BE IN PLANTING AREAS AND LOCATION REVIEWED BY THE LANDSCAPE ARCHITECT. STAKE LOCATION PRIOR TO INSTALLATION.
- SEE CIVIL ENGINEER'S DRAWINGS FOR CURBS AND A/C PAVING.
- REFER TO CIVIL ENGINEER'S DRAWINGS FOR ELEVATIONS AND LOCATION OF DRAINAGE STRUCTURES PRIOR TO INSTALLATION OF WALKS, FOOTINGS AND OTHER STRUCTURES.
- REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION. IF NOTES ON THE PLANS DIFFER FROM THE GEOTECHNICAL REPORT, PROVIDE THE MOST STRINGENT REQUIREMENT.
- RAISE ALL VAULTS/UTILITIES BOXES TO GRADE WITHIN LIMITS OF WORK. FIELD VERIFY PRIOR TO BID.

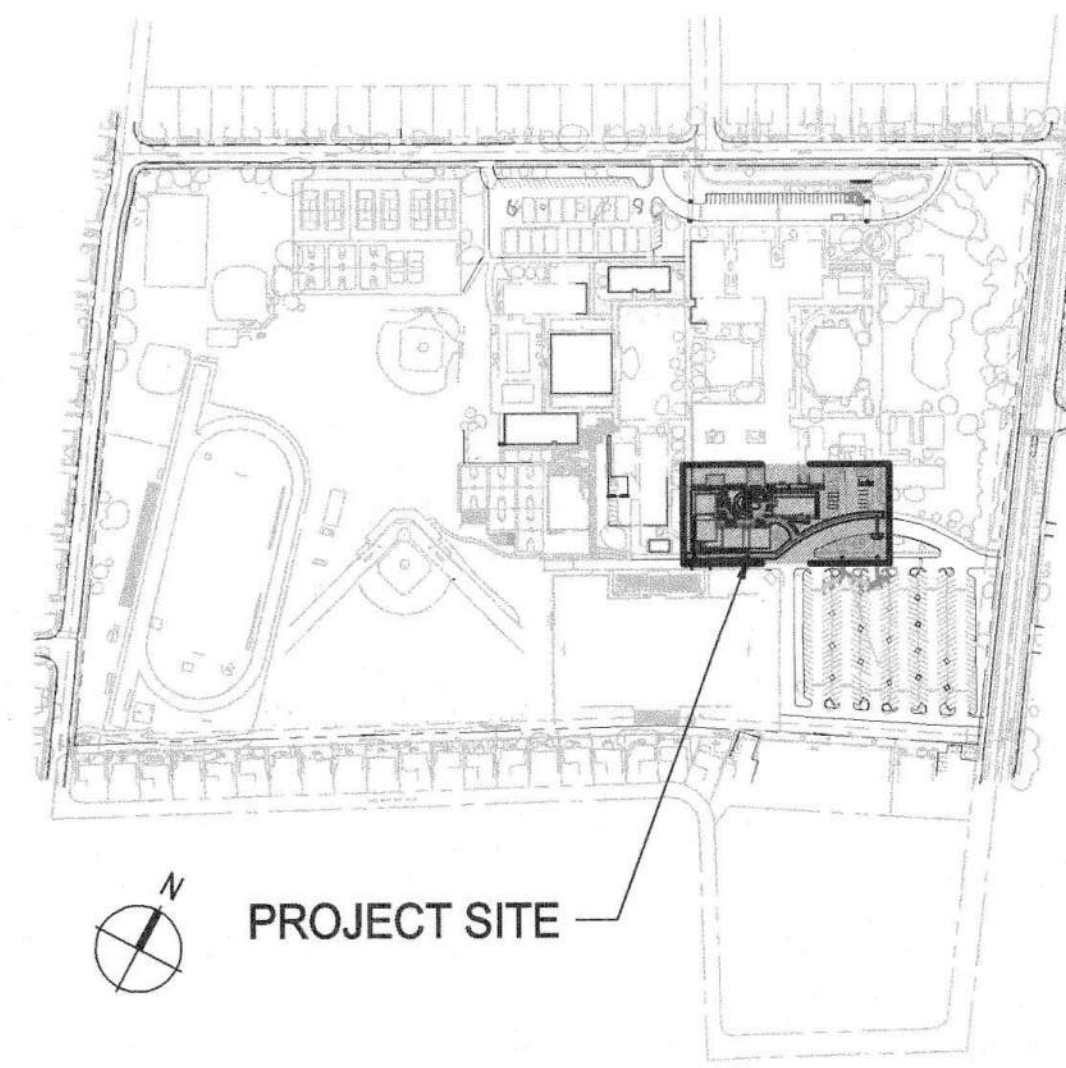
SHEET INDEX

- L0.1 LANDSCAPE NOTES AND SCHEDULES
- L1.1 MATERIALS PLAN
- L1.2 MATERIALS PLAN
- L2.1 LAYOUT PLAN
- L2.2 LAYOUT PLAN
- L3.1 MATERIALS ENLARGEMENT PLAN
- L3.2 LAYOUT ENLARGEMENT PLAN
- L3.3 LAYOUT ENLARGEMENT PLAN
- L4.1 SITE SECTIONS/ELEVATIONS
- L4.2 SITE SECTIONS/ELEVATIONS
- L5.1 CONSTRUCTION DETAILS
- L5.2 CONSTRUCTION DETAILS
- L5.3 CONSTRUCTION DETAILS
- L5.4 CONSTRUCTION DETAILS
- L5.5 CONSTRUCTION DETAILS
- L6.1 IRRIGATION PLAN
- L6.2 IRRIGATION NOTES AND LEGEND
- L6.3 IRRIGATION DETAILS
- L6.4 IRRIGATION DETAILS
- L6.5 IRRIGATION DETAILS AND WATER USE CALC.
- L7.1 PLANTING PLAN
- L7.2 PLANTING DETAILS

ABBREVIATIONS

∠	AND ANGLE AT CENTERLINE DIAMETER OR ROUND FOUND OR NUMBER	GA. GALV. GND. GR.	GAUGE GALVANIZED GROUND GRADE
ADJ. AGGR.	ADJACENT AGGREGATE	HDR. HT.	HEADER HEIGHT
AL. APPROX. ARCH. AC. ACC.	ALUMINUM APPROXIMATE ARCHITECTURAL ASPHALT ACCESSIBLE	LT.	LIGHT
B.C.R. B.O.C. B.O.W. B.D.S. BLDG. BLK.	BEGINNING OF CURVE RADIUS BACK OF CURB BOTTOM OF WALL BOTTOM OF SLOPE BUILDING BLOCK	MAX. MET. MFR. MIN. MTD. MTL.	MAXIMUM METAL MANUFACTURER MINIMUM MOUNTED MATERIAL
C.E. C.I.P. CLKG. CMJ. CONC. CONSTR. CONT. CTR.	CIVIL ENGINEER CAST IN PLACE CAULKING CONCRETE MASONRY UNIT CONCRETE CONSTRUCTION CONTINUOUS CENTER	N.I.C. N.T.S. O.C. O.D.	NOT IN CONTRACT NOT TO SCALE ON CENTER OUTSIDE DIAMETER (DIM.)
D.A. DET. DIA. DIM. DN. DWG.	DISABLED ACCESS DETAIL DIAMETER DIMENSION DOWN DRAWINGS	PA. PRDST. P.I.P. P.O.T. P.T.S.	PLANTING AREA PRECAST POURED IN PLACE POINT OF TANGENCY POST TENSION SLAB
E.J. EL. ELEC. EQ. EXP. EXT.	EXPANSION JOINT ELEVATION ELECTRICAL EQUAL EXPANSION EXTERIOR	QTY	QUANTITY
F.G. F.S. F.O.C. F.O.B. F.O.W.	FINISH GRADE FINISH SURFACE FACE OF BUILDING FACE OF CURB FACE OF WALL	R. RAD. REINF. REQ.	RISER RADIUS REINFORCED REQUIRED
		SCHED. SHT. SPEC.	SCHEDULE SHEET SPECIFICATION
		S.S. STD. STRL.	STAINLESS STEEL STANDARD STRUCTURAL
		T. T.C. T.O.S. T.O.W. TYP. TBO.	TREAD TOP OF CURB TOP OF SLOPE TOP OF WALL TYPICAL TO BE DETERMINED
		VERT. WITH W/O	VERTICAL WITH WITHOUT

SITE KEYMAP



KEYNOTES

KEY NOTE	DESCRIPTION	DET/ SHT	COLOR / FINISH
1	CONCRETE PAVING	01/ L5.1	NATURAL GREY MEDIUM BROOM
02	CONCRETE PAVING	01/ L5.1	NATURAL GREY MEDIUM SANDBLAST
03	CONCRETE MOW BAND	06/ L5.1	NATURAL GREY/ BROOM FINISH
04	CONCRETE RAMP	01/ L5.1 SIM.	NATURAL GREY/ MED. BROOM FINISH
05	CONCRETE STAIRS	10/ L5.2	NATURAL GREY/ MED. BROOM FINISH
06	CONCRETE CURB AT WALKWAY	11/ L5.4	NATURAL GREY/MED. BROOM SIDES, SMOOTH TOP
07	FREESTANDING CONCRETE WALL	01/ L5.2	NATURAL GREY/LT. SANDBLAST SIDES, SMOOTH TOP
08	CONCRETE RETAINING WALL W/ FENCE	06/ L5.2	NATURAL GREY/LT. SANDBLAST SIDES, SMOOTH TOP
09	CONCRETE RETAINING WALL	02/ L5.2	NATURAL GREY/LT. SANDBLAST SIDES, SMOOTH TOP
10	CONCRETE PAD @ LIGHT POLE BASE	13/ L5.1	NATURAL GREY/ MATCH ADJACENT PAVING FINISH
11	HANDRAILS AT RAMP	02/ L5.4	GALVANIZED
12	HANDRAILS AT STAIRS	01/ L5.4	GALVANIZED
13	GUARDRAIL	15/ L5.4	GALVANIZED
14	GROUTED COBBLE	14/ L5.1	6-8" RIVER ROCK LYNCSO'S GARDEN MATERIALS
15	TUBULAR STEEL FENCE	01/ L5.3	MAN. POWDERCOAT SYSTEM/ MATCH VALSPAR BLUE GRAY 432R1690
16	TUBE STEEL GATE W/ PANIC HARDWARE	02/ L5.3	MAN. POWDERCOAT SYSTEM/ MATCH VALSPAR BLUE GRAY 432R1690
17	DECOMPOSED GRANITE W/ STABILIZER	09/ L5.1	TAN/ TMT ENTERPRISES CEDAR
18	RAISED GARDEN BEDS	01/ L5.5	-
19	TREE GRATE	10/ L5.1	REFER TO SITE FURNISHINGS LEGEND, L0.1
20	FLOW THROUGH PLANTER	01-04/ CS.02	NATURAL GREY/LT. SANDBLAST SIDES, SMOOTH TOP
21	CONCRETE PLINTH	09/ L5.2	NATURAL GREY/LT. SANDBLAST SIDES, SMOOTH TOP
22	TRUNCATED DOMES	16/ L5.1	WALSAU ADA-2 CHARCOAL GRAY (A-90)
23	DETECTABLE SIDE RAIL	12/ L5.5	GALVANIZED

REFERENCE KEYNOTES

KEY NOTE	DESCRIPTION	DET	COLOR / FINISH
A	(E) A.C. PAVING		PROTECT IN PLACE
B	(E) CONCRETE CURB		PROTECT IN PLACE
C	(E) CONCRETE PAVING		PROTECT IN PLACE
D	(E) BOLLARD		PROTECT IN PLACE
E	BIOFILTRATION BASIN		PER CIVIL
F	(E) TREE		PROTECT IN PLACE
G	STAIRS AT BUILDING		PER ARCH
H	ELEVATED RAMP AT BUILDING		PER ARCH
J	(E) STORM DRAIN MANHOLE		PROTECT IN PLACE
K	TRENCH DRAIN		PER CIVIL
L	CONCRETE CURB		PER CIVIL
M	AC PAVING		PER CIVIL
N	CONCRETE RAMP AT BUILDING		PER ARCH
O	COLUMN AT BUILDING RAMP		PER STRUCTURAL
P	PATH OF TRAVEL SIGNAGE		15/ A10.11
Q	BOLLARD		PER CIVIL
R	CONCRETE CURB RAMP		PER CIVIL
S	PAVEMENT STRIPING		PER CIVIL
T	DRINKING FOUNTAIN		PER ARCH

SITE SYMBOLS LEGEND

SYM.	DESC.	SYM.	DESC.	DET.
⊕	FIRE HYDRANT (PER CIVIL)	—	SAWCUT JOINT	03/ L5.1
⊕	DRAIN INLET (PER CIVIL)	----	EXPANSION JOINTS	03/ L5.1
○	AREA DRAIN (PER CIVIL)	----	PROPERTY LINE/ RIGHT OF WAY	
⊙	CLEAN OUT (PER CIVIL)	----	LIMIT OF WORK	
⊙	STORM DRAIN MANHOLE (PER CIVIL)	----	T.O.S. TOP OF SLOPE	
⊙	SANITARY SEWER MANHOLE (PER CIVIL)	B.O.S.	TOE (BOTTOM) OF SLOPE	
↔	DOUBLE CHECK (PER CIVIL)	FOC	FACE OF CURB	
→	DOWN SLOPE DIRECTION OF RAMP	BOC	BACK OF CURB	
↘	ALIGN	PA	PLANTING AREA	

NOTE: UTILITIES SHOWN ARE FOR REFERENCE ONLY. SEE CIVIL DWGS. FOR DETAILS AND EXACT LOCATIONS. FINAL LOCATIONS TO BE REVIEWED BY LANDSCAPE ARCHITECT.

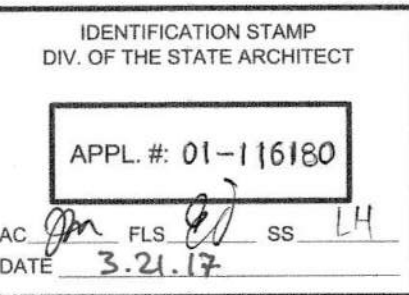
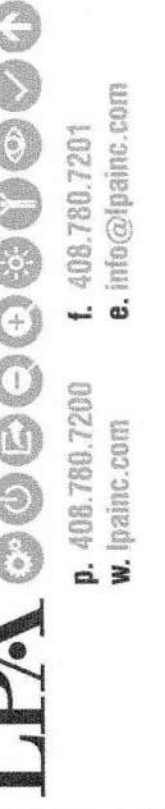
LIGHTING LEGEND

SYM.	DESCRIPTION	COMMENTS	DET. REF/ REMARKS
⊕	PEDESTRIAN LIGHT	SEE ELEC. PLANS FOR MODEL # AND COLOR.	PER/ ELECT.
⊕	EVENT POLE LIGHT	SEE ELEC. PLANS FOR MODEL # AND COLOR.	PER/ ELECT.

NOTE: SEE ELECTRICAL ENGINEERING PLANS FOR FIXTURES, LAMPS, AND SPECS.

SITE FURNISHINGS LEGEND

SYM.	DESC.	MANUF.	MODEL #	COLOR	FINISH/PTRN.	QTY.
⊕	TRASH RECEPTACLE	QUICKCRETE	QR-CAL2435W LD-A19 STEEL INCLUDE ANCHOR BOLTS	NATURAL, LD-GRAY	ACID ETCH LT. BRUSH/ W/ MATTE SEALER	2 PER PLAN
⊕	RECYCLING RECEPTACLE	QUICKCRETE	QR-CAL2435W LD-A19 STEEL W/ RECYCLE LOGO INCLUDE ANCHOR BOLTS	NATURAL, LD-GRAY	ACID ETCH LT. BRUSH/ W/ MATTE SEALER. STEEL LD. POWDERCOATED.	2 PER PLAN
⊕	PEDESTRIAN TREE GRATE	URBAN ACCESSORIES AND FRAME	VIPER 5' SQ GRATE	CAST GREY IRON	RAW	4 10/ L5.1



BUILDING D SCIENCE AND CLASSROOM BUILDING  
PIEDMONT HILLS HIGH SCHOOL  
1377 PIEDMONT RD  
SAN JOSE, CA 95132

Developed for:  
East Side Union High School District

Date	Revision
03.18.2016	
05.17.2016	
06.16.2016	
07.22.2016	
08.12.2016	
03.08.2017	

Submitted	Date	Description
100% SCHEDULED DESIGN	03.18.2016	
100% DESIGN DEVELOPMENT	05.17.2016	
90% CONSTRUCTION DOCUMENTS	06.16.2016	
80% CONSTRUCTION DOCUMENTS	07.22.2016	
DS&A SUBMITTAL	08.12.2016	
DS&A APPROVAL	03.08.2017	

Job No. 1602010  
Date 03.08.2017  
Checked by  
Scale

LANDSCAPE NOTES AND SCHEDULES





IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APPL. #: 01-116160  
 AC. No. M.S. 8/ SS. 1/4  
 DATE 3-21-17  
 FILE NUMBER: 43-H10

BUILDING D SCIENCE AND CLASSROOM BUILDING  
 PIEDMONT HILLS HIGH SCHOOL  
 1377 PIEDMONT RD  
 SAN JOSE, CA 95132  
 Developed for East Side Union High School District

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Date	Revision
03.18.2016	
06.17.2016	
06.15.2016	
07.27.2016	
08.15.2016	
08.28.2017	

Submitted	100% SCHEMATIC DESIGN	100% DESIGN DEVELOPMENT	50% CONSTRUCTION DOCUMENTS	100% CONSTRUCTION DOCUMENTS	DATE SUBMITTED	DATE APPROVAL
	03.18.2016	06.17.2016	06.15.2016	07.27.2016	08.15.2016	08.28.2017

Job. No. 1602010  
 Date 03.08.2017  
 Checked by  
 Scale 1"=10'-0"

### KEYNOTES

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01	CONCRETE PAVING	01/ L5.1	NATURAL GREY MEDIUM BROOM
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B	(E) CONCRETE CURB		PROTECT IN PLACE
C	(E) CONCRETE PAVING		PROTECT IN PLACE
D	(E) BOLLARD		PROTECT IN PLACE
E	BIOFILTRATION BASIN		PER CIVIL
F	(E) TREE		PROTECT IN PLACE
G	STAIRS AT BUILDING		PER ARCH
H	ELEVATED RAMP AT BUILDING		PER ARCH
J	(E) STORM DRAIN MANHOLE		PROTECT IN PLACE
K	TRENCH DRAIN		PER CIVIL
L	CONCRETE CURB		PER CIVIL
M	AC PAVING		PER CIVIL
N	CONCRETE RAMP AT BUILDING		PER ARCH
O	COLUMN AT BUILDING RAMP		PER STRUCTURAL
P	PATH OF TRAVEL SIGNAGE		PER A10.11
Q	BOLLARD		PER CIVIL
R	CONCRETE CURB RAMP		PER CIVIL
S	PAVEMENT STRIPING		PER CIVIL
T	DRINKING FOUNTAIN		PER ARCH

### SITE SYMBOLS LEGEND

SYM.	DESC.	SYM.	DESC.	DET. REF.
⬮	FIRE HYDRANT (PER CIVIL)	—	SAWCUT JOINT	03/ L5.1
⬮	DRAIN INLET (PER CIVIL)	---	EXPANSION JOINTS	03/ L5.1
⬮	AREA DRAIN (PER CIVIL)	---	PROPERTY LINE/ RIGHT OF WAY	
⬮	CLEAN OUT (PER CIVIL)	---	LIMIT OF WORK	
⬮	STORM DRAIN MANHOLE (PER CIVIL)	---	B.O.S. TOP OF SLOPE	
⬮	SANITARY SEWER MANHOLE (PER CIVIL)	---	B.O.S. TOE (BOTTOM) OF SLOPE	
⬮	DOUBLE CHECK (PER CIVIL)	---	FOC FACE OF CURB	
⬮	DOWN SLOPE	---	BOC BACK OF CURB	
⬮	DIRECTION OF RAMP	---	PA PLANTING AREA	
⬮	ALIGN	---		

NOTE: UTILITIES SHOWN ARE FOR REFERENCE ONLY. SEE CIVIL DWGS. FOR DETAILS AND EXACT LOCATIONS. FINAL LOCATIONS TO BE REVIEWED BY LANDSCAPE ARCHITECT.

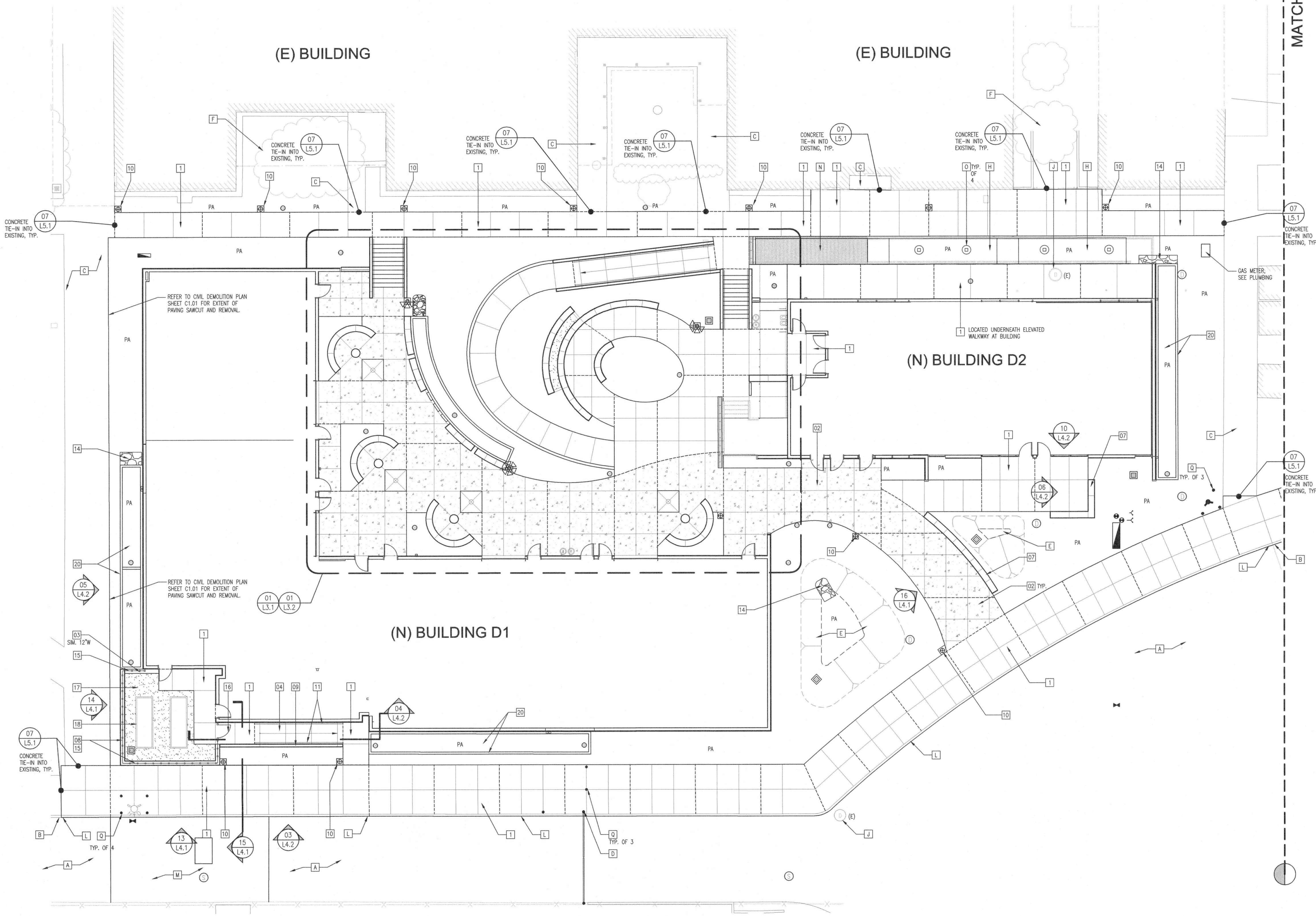
### LIGHTING LEGEND

SYM.	DESCRIPTION	COMMENTS	DET. REF./REMARKS
⬮	PEDESTRIAN LIGHT	SEE ELEC. PLANS FOR MODEL # AND COLOR.	PER/ ELECT.
⬮	EVENT POLE LIGHT	SEE ELEC. PLANS FOR MODEL # AND COLOR.	PER/ ELECT.

NOTE: SEE ELECTRICAL ENGINEERING PLANS FOR FIXTURES, LAMPS, AND SPECS.

### SITE FURNISHINGS LEGEND

SYM.	DESC.	MANUF.	MODEL #	COLOR	FINISH/PTRN.	QTY.
⬮	TRASH RECEPTACLE	QUICKCRETE	QR-CAL2436W LD-M19 STEEL	NATURAL LD-GRAY	ACID ETCH LT. ABRUSH W/ MATTE SEALER. STEEL LD. POWDERCOATED.	2 PER PLAN
⬮	RECYCLING RECEPTACLE	QUICKCRETE	QR-CAL2436W LD-M19 STEEL W/ RECYCLE LOGO	NATURAL LD-GRAY	ACID ETCH LT. ABRUSH W/ MATTE SEALER. STEEL LD. POWDERCOATED.	2 PER PLAN
⬮	PEDESTRIAN TREE GRATE	URBAN ACCESSORIES	5" SQ GRATE	CAST GREY IRON	RAW	4 10/ L5.1



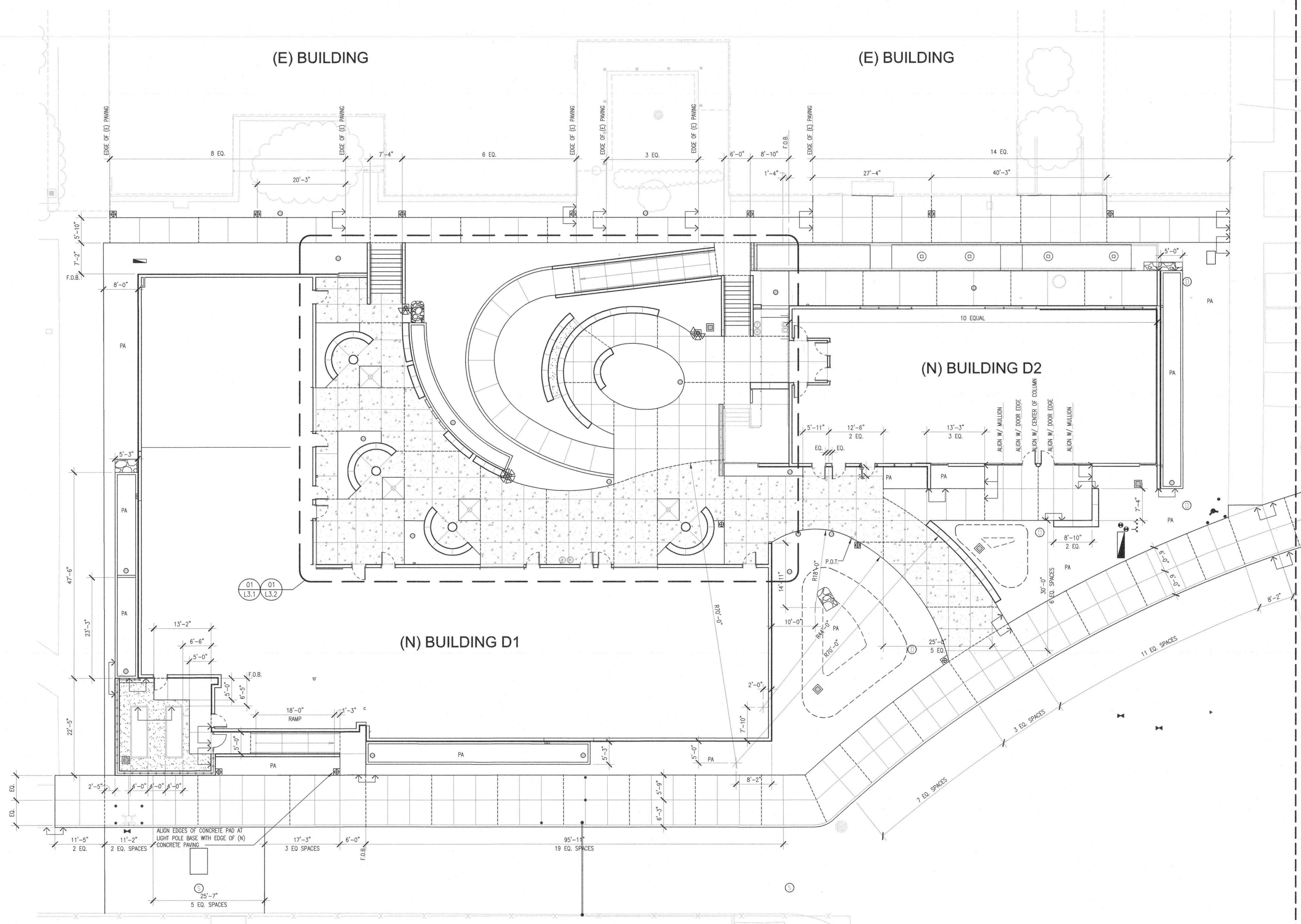
MATCHLINE REFER TO L1.2

MATERIALS PLAN  
 0 5 10 20  
 1"=10'-0"  
 01









MATCHLINE - REFER TO L2.2

LAYOUT PLAN 1"=10'-0" 01



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 Developed for  
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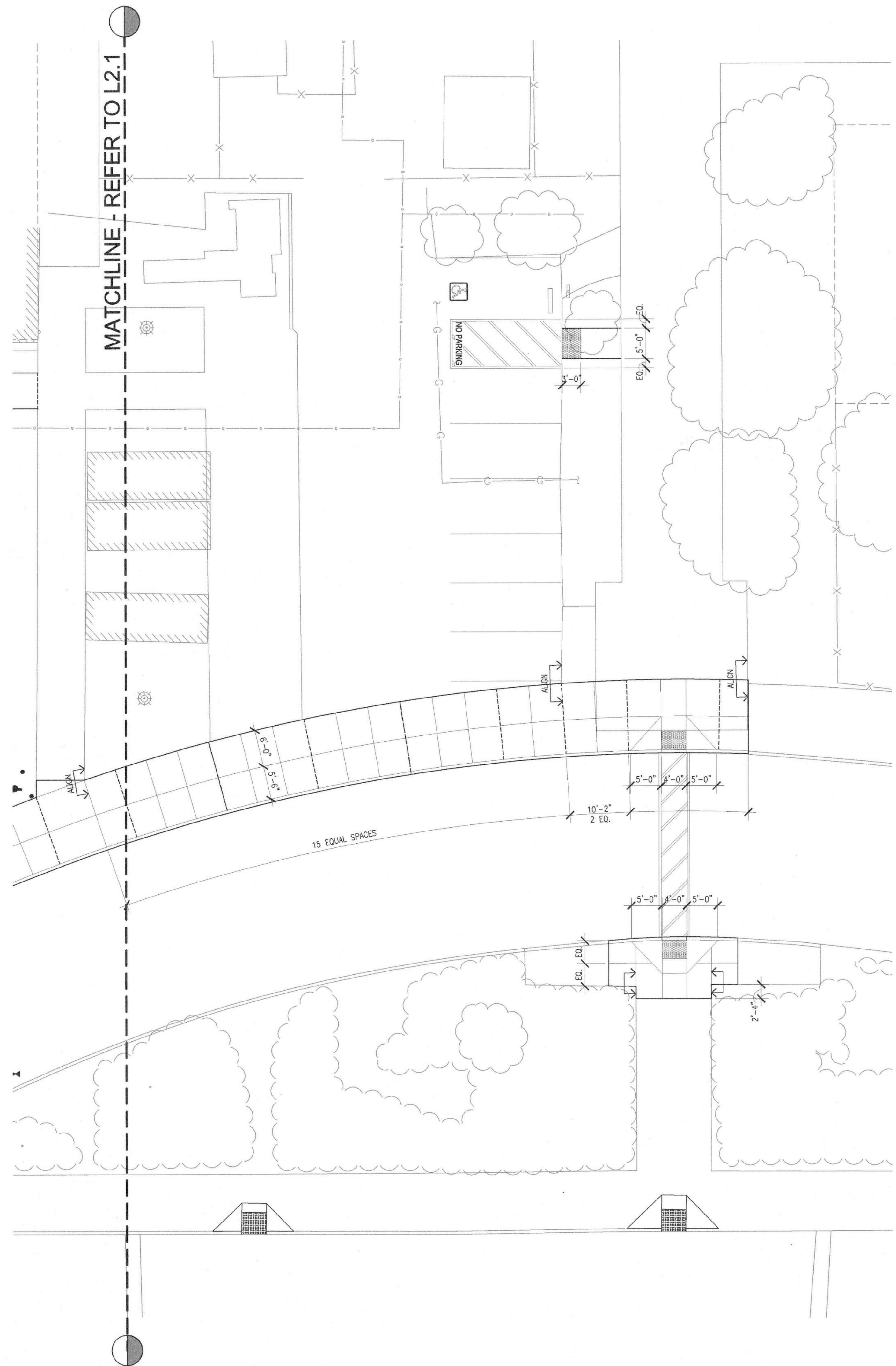
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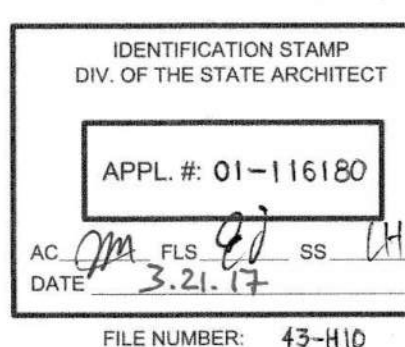
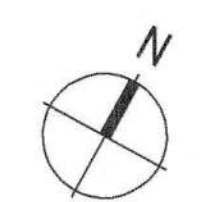
Submittal	Date
100% SCHEMATIC DESIGN	03.18.2016
100% DESIGN DEVELOPMENT	05.12.2016
50% CONSTRUCTION DOCUMENT	06.15.2016
65% CONSTRUCTION DOCUMENTS	07.27.2016
DSA SUBMITTAL	08.12.2016
DSA APPROVAL	03.08.2017

Job No. 1602010  
 Date 03.08.2017  
 Checked by  
 Scale 1"=10'-0"





LAYOUT PLAN 1"= 10'-0" 01



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 PIEDMONT HILLS HIGH SCHOOL**  
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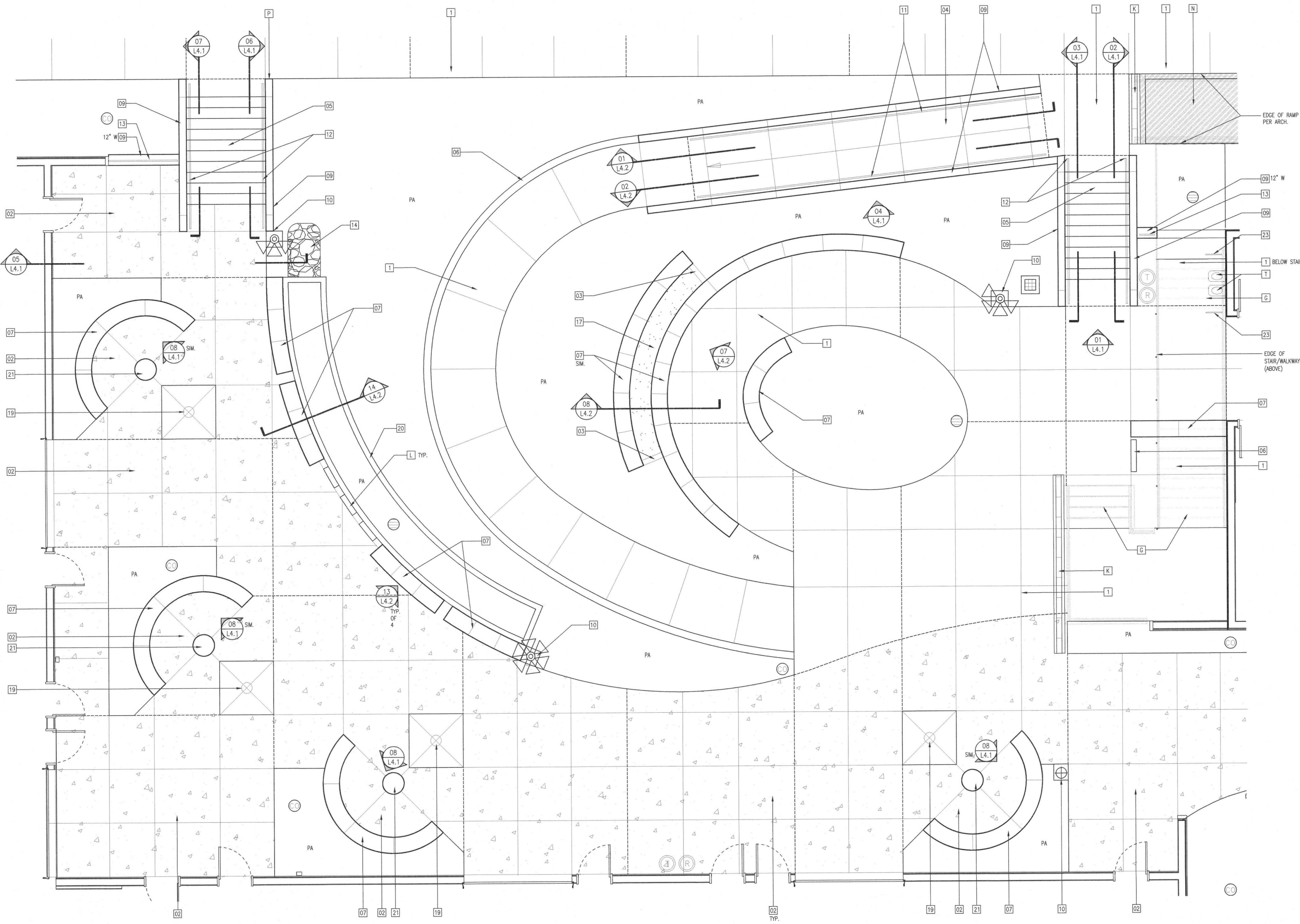
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Submittal	Date
100% SCHEMATIC DESIGN	03.18.2016
50% DESIGN DEVELOPMENT	06.17.2016
50% CONSTRUCTION DOCUMENTS	08.15.2016
50% CONSTRUCTION DOCUMENTS	07.27.2016
DSK SUBMITTAL	08.11.2016
DSK APPROVAL	03.08.2017

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MATERIALS ENLARGEMENT PLAN 1/4"=1'-0" 01

KEYNOTES

KEY NOTE	DESCRIPTION	DET / SHI	COLOR / FINISH
01	CONCRETE PAVING	01 / L5.1	NATURAL GREY / MEDIUM BROOM
02	CONCRETE PAVING	01 / L5.1	NATURAL GREY / MEDIUM SANDBLAST
03	CONCRETE MOW BAND	08 / L5.1	NATURAL GREY / BROOM FINISH
04	CONCRETE RAMP	01 / L5.1 SIM	NATURAL GREY / MED. BROOM FINISH
05	CONCRETE STAIRS	10 / L5.2	NATURAL GREY / MED. BROOM FINISH
06	CONCRETE CURB AT WALKWAY	11 / L5.1	NATURAL GREY / MED. BROOM SIDES, SMOOTH TOP
07	FREESTANDING CONCRETE WALL	01 / L5.2	NATURAL GREY / LT. SANDBLAST SIDES, SMOOTH TOP
08	CONCRETE RETAINING WALL W/ FENCE	08 / L5.2	NATURAL GREY / LT. SANDBLAST SIDES, SMOOTH TOP
09	CONCRETE RETAINING WALL	02 / L5.2	NATURAL GREY / LT. SANDBLAST SIDES, SMOOTH TOP
10	CONCRETE PAD @ LIGHT POLE BASE	13 / L5.1	NATURAL GREY / MATCH ADJACENT PAVING FINISH
11	HANDRAILS AT RAMP	02 / L5.4	GALVANIZED
12	HANDRAILS AT STAIRS	01 / L5.4	GALVANIZED
13	GUARDRAIL	03 / L5.4	GALVANIZED
14	GROUTED COBBLE	15 / L5.1	6-8" RIVER ROCK / LYNOSO'S GARDEN MATERIALS
15	TUBULAR STEEL FENCE	01 / L5.3	MAN. POWDERCOAT SYSTEM / MATCH VALSPAR BLUE GRAY 432R1690
16	TUBE STEEL GATE W/ PANIC HARDWARE	02 / L5.3	MAN. POWDERCOAT SYSTEM / MATCH VALSPAR BLUE GRAY 432R1690
17	DECOMPOSED GRANITE W/ STABILIZER	09 / L5.1	TAN / TMT ENTERPRISES
18	RAISED GARDEN BEDS	01 / L5.5	CEDAR
19	TREE GRATE	10 / L5.1	REFER TO SITE FURNISHINGS LEGEND, L5.1
20	FLOW THROUGH PLANTER	01-04 / C5.02	NATURAL GREY / LT. SANDBLAST SIDES, SMOOTH TOP
21	CONCRETE PLINTH	09 / L5.2	NATURAL GREY / LT. SANDBLAST SIDES, SMOOTH TOP
22	TRUNCATED DOMES	16 / L5.1	WALSAU ADA-2 / CHARCOAL GRAY (A-90)
23	DETECTABLE SIDE RAIL	12 / L5.5	GALVANIZED

REFERENCE KEYNOTES

KEY NOTE	DESCRIPTION	DET / REF	COLOR / FINISH
A	(E) A.C. PAVING		PROTECT IN PLACE
B	(E) CONCRETE CURB		PROTECT IN PLACE
C	(E) CONCRETE PAVING		PROTECT IN PLACE
D	(E) BOLLARD		PROTECT IN PLACE
E	BIOFILTRATION BASIN		PER CIVIL
F	(E) TREE		PROTECT IN PLACE
G	STAIRS AT BUILDING		PER ARCH
H	ELEVATED RAMP AT BUILDING		PER ARCH
I	(E) STORM DRAIN MANHOLE		PROTECT IN PLACE
J	TRENCH DRAIN		PER CIVIL
K	CONCRETE CURB		PER CIVIL
L	AC PAVING		PER CIVIL
M	CONCRETE RAMP AT BUILDING		PER ARCH
N	COLUMN AT BUILDING RAMP		PER STRUCTURAL
P	PATH OF TRAVEL SIGNAGE		A10.11
Q	BOLLARD		PER CIVIL
R	CONCRETE CURB RAMP		PER CIVIL
S	PAVEMENT STRIPING		PER CIVIL
T	DRINKING FOUNTAIN		PER ARCH

SITE SYMBOLS LEGEND

SYM.	DESC.	SYM.	DESC.	DET.
⊙	FIRE HYDRANT (PER CIVIL)	—	SAWCUT JOINT	03 / L5.1
⊕	DRAIN INLET (PER CIVIL)	---	EXPANSION JOINTS	03 / L5.1
⊗	AREA DRAIN (PER CIVIL)	---	PROPERTY LINE / RIGHT OF WAY	
⊖	CLEAN OUT (PER CIVIL)	---	LIMIT OF WORK	
⊙	STORM DRAIN MANHOLE (PER CIVIL)	---	T.O.S. TOP OF SLOPE	
⊙	SANITARY SEWER MANHOLE (PER CIVIL)	---	B.O.S. TDE (BOTTOM) OF SLOPE	
⊕	DOUBLE CHECK (PER CIVIL)	---	FOC FACE OF CURB	
↘	DOWN SLOPE DIRECTION OF RAMP	---	BOC BACK OF CURB	
→	ALIGN	PA	PLANTING AREA	

NOTE: UTILITIES SHOWN ARE FOR REFERENCE ONLY. SEE CIVIL DWGS. FOR DETAILS AND EXACT LOCATIONS. FINAL LOCATIONS TO BE REVIEWED BY LANDSCAPE ARCHITECT.

LIGHTING LEGEND

SYM.	DESCRIPTION	COMMENTS	DET. REF / REMARKS
⊕	PEDESTRIAN LIGHT	SEE ELEC. PLANS FOR MODEL # AND COLOR.	PER / ELECT.
⊕	EVENT POLE LIGHT	SEE ELEC. PLANS FOR MODEL # AND COLOR.	PER / ELECT.

NOTE: SEE ELECTRICAL ENGINEERING PLANS FOR FIXTURES, LAMPS, AND SPECS.

SITE FURNISHINGS LEGEND

SYM.	DESC.	MANUF.	MODEL #	COLOR	FINISH/PTRN.	QTY.
T	TRASH RECEPTACLE	QUICKCRETE	QR-CAL2438W LD-A19 STEEL INCLUDE ANCHOR BOLTS	NATURAL LD-GRAY	ACID ETCH LT. BRUSH W/ MATE SEALER. STEEL LD. POWDERCOATED.	2 PER PLAN
R	RECYCLING RECEPTACLE	QUICKCRETE	QR-CAL2438W LD-W19 STEEL W/ RECYCLE LOGO INCLUDE ANCHOR BOLTS	NATURAL LD-GRAY	ACID ETCH LT. BRUSH W/ MATE SEALER. STEEL LD. POWDERCOATED.	2 PER PLAN
⊕	PEDESTRIAN TREE GRATE	URBAN ACCESSORIES AND FRAME	VIPER 5' SQ GRATE	CAST GREY IRON	RAW	4 10/ L5.1

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 DATE: 3.21.17  
 FILE NUMBER: 49-110

**BUILDING D SCIENCE AND CLASSROOM BUILDING  
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Date	Revision
03.16.2016	
05.17.2016	
06.16.2016	
07.27.2016	
08.12.2017	

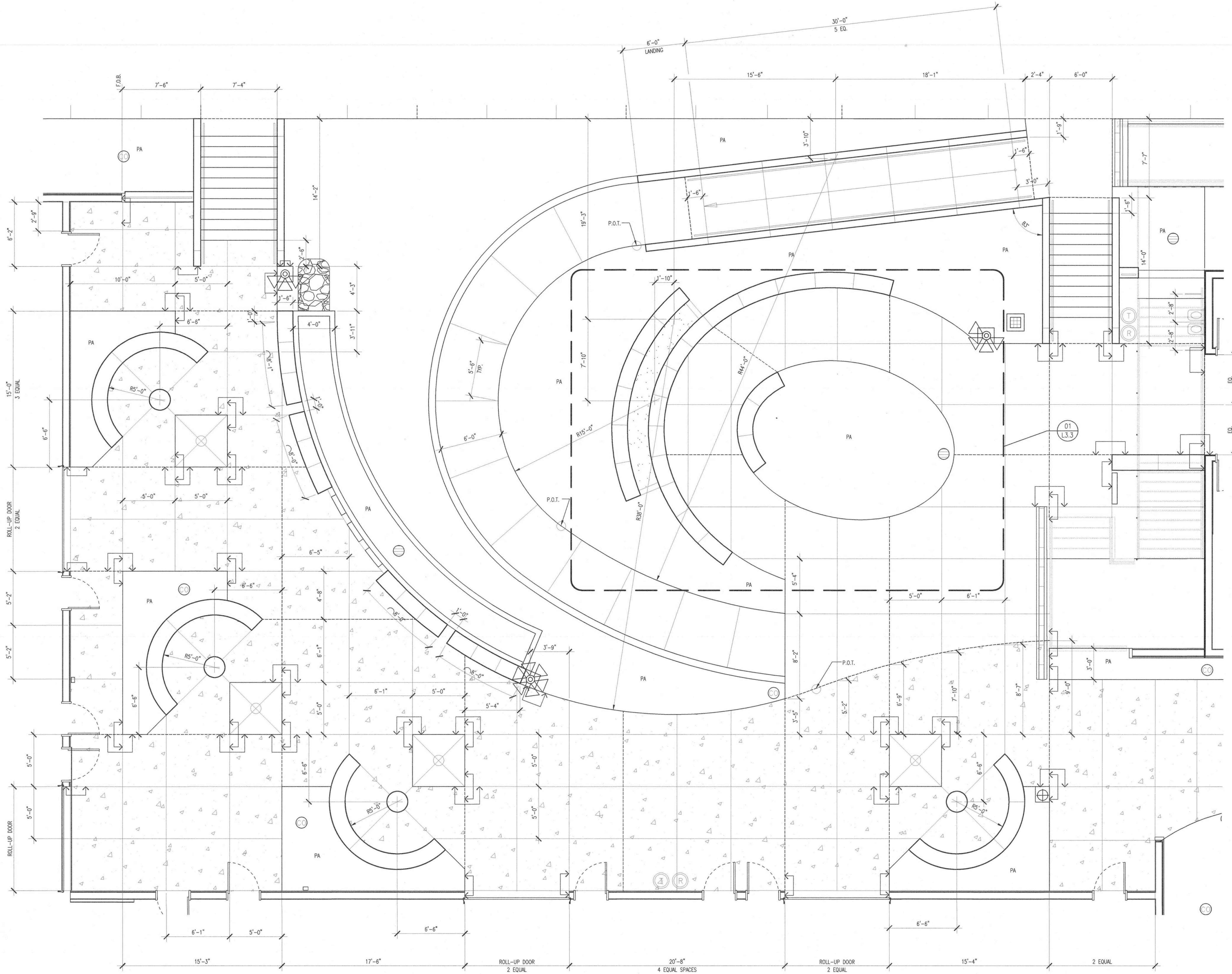
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100% SCHEMATIC DESIGN	03.16.2016			
90% SCHEMATIC DEVELOPMENT	05.17.2016			
50% CONSTRUCTION DOCUMENTS	06.16.2016			
65% CONSTRUCTION DOCUMENTS	07.27.2016			
85% SUBMITTAL	08.12.2017			
85% APPROVAL	03.08.2017			

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 Date 03.08.2017  
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MATERIALS ENLARGEMENT PLAN  
 L3.1





LAYOUT ENLARGEMENT PLAN 1/4" = 1'-0" 01



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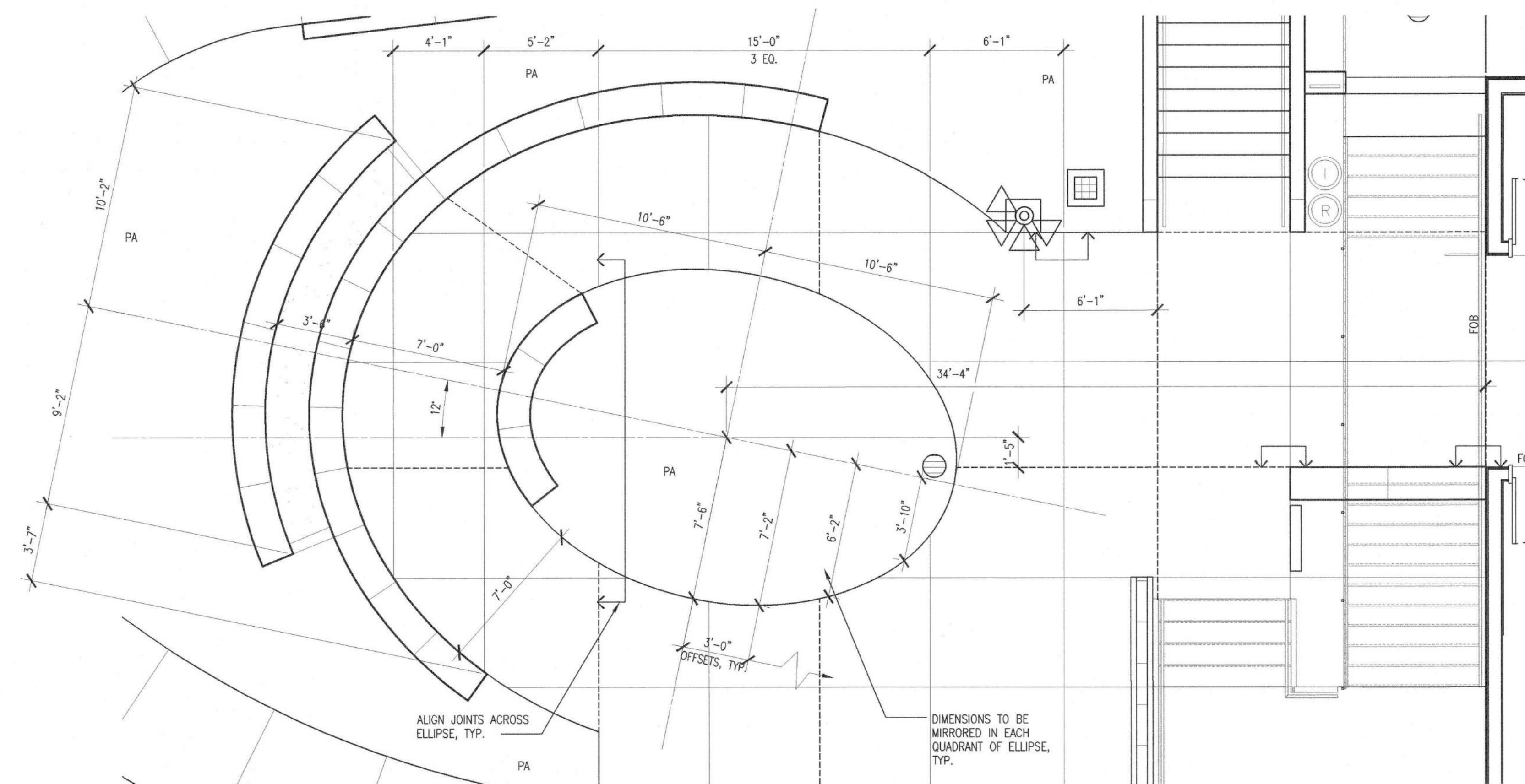
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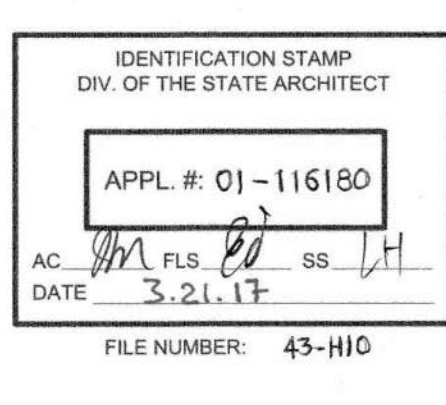
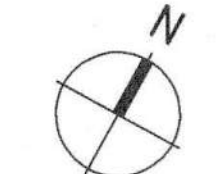
Submital	Date
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100% DESIGN DEVELOPMENT	05.17.2016
90% CONSTRUCTION DOCUMENT	06.15.2016
85% CONSTRUCTION DOCUMENTS	07.27.2016
DSA SUBMITTAL	08.12.2016
DSA APPROVAL	03.08.2017

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 Date 03.08.2017  
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LAYOUT ENLARGEMENT PLAN 01



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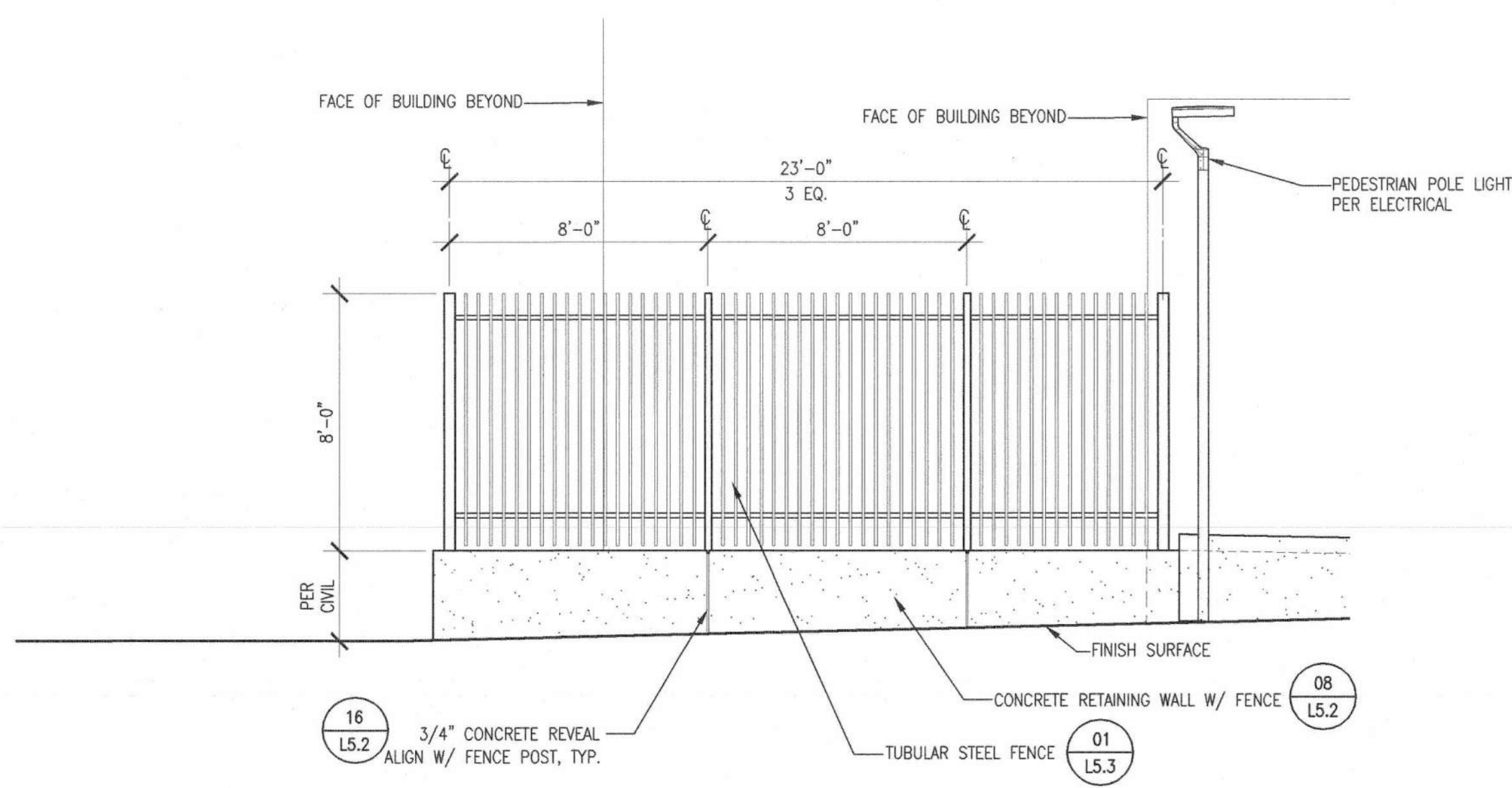
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60% CONSTRUCTION DOCUMENT	06.15.2016
65% CONSTRUCTION DOCUMENTS	07.27.2016
65% SUBMITTAL	08.15.2016
65% APPROVAL	03.08.2017

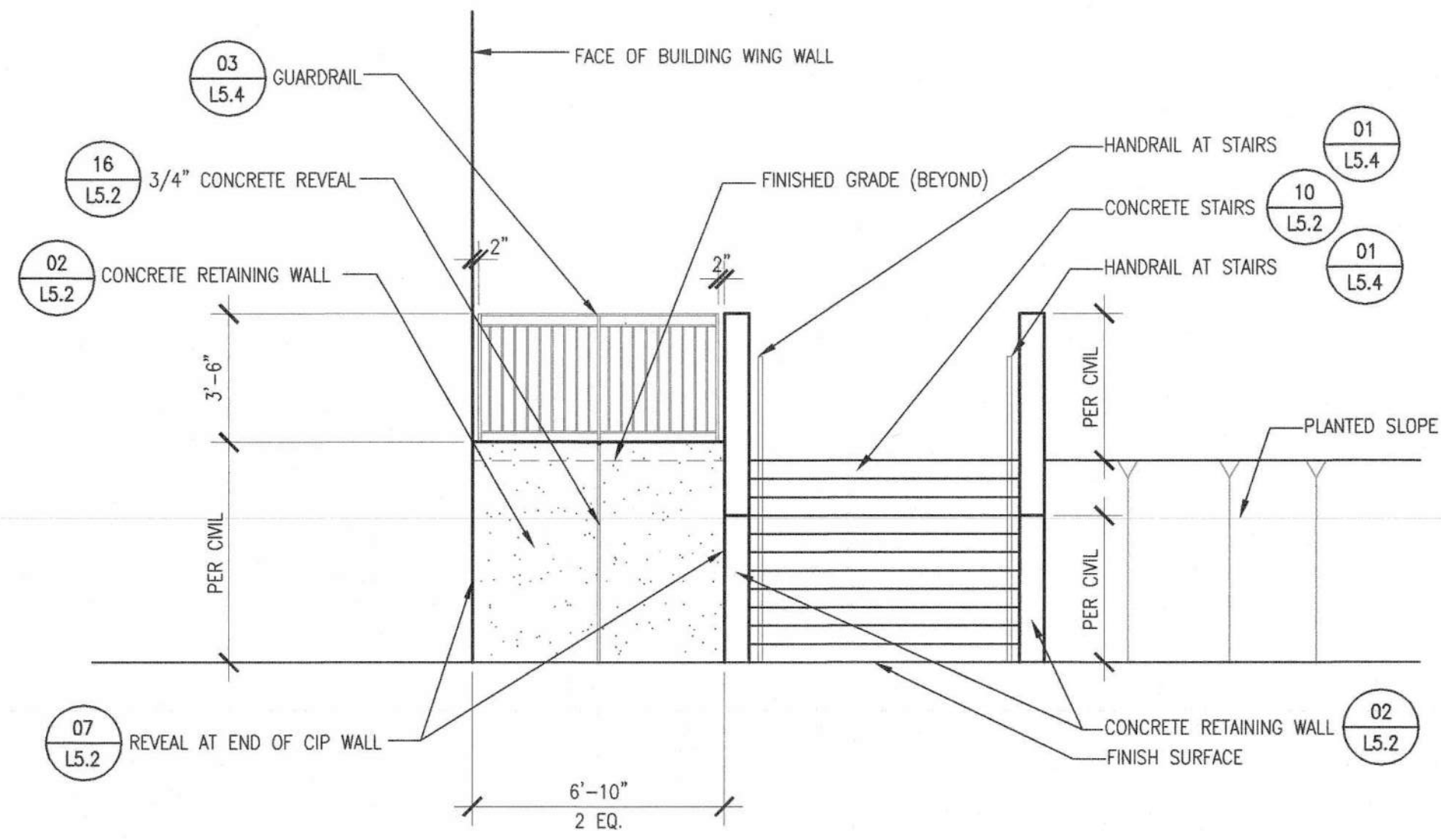
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LAYOUT ENLARGEMENT PLAN

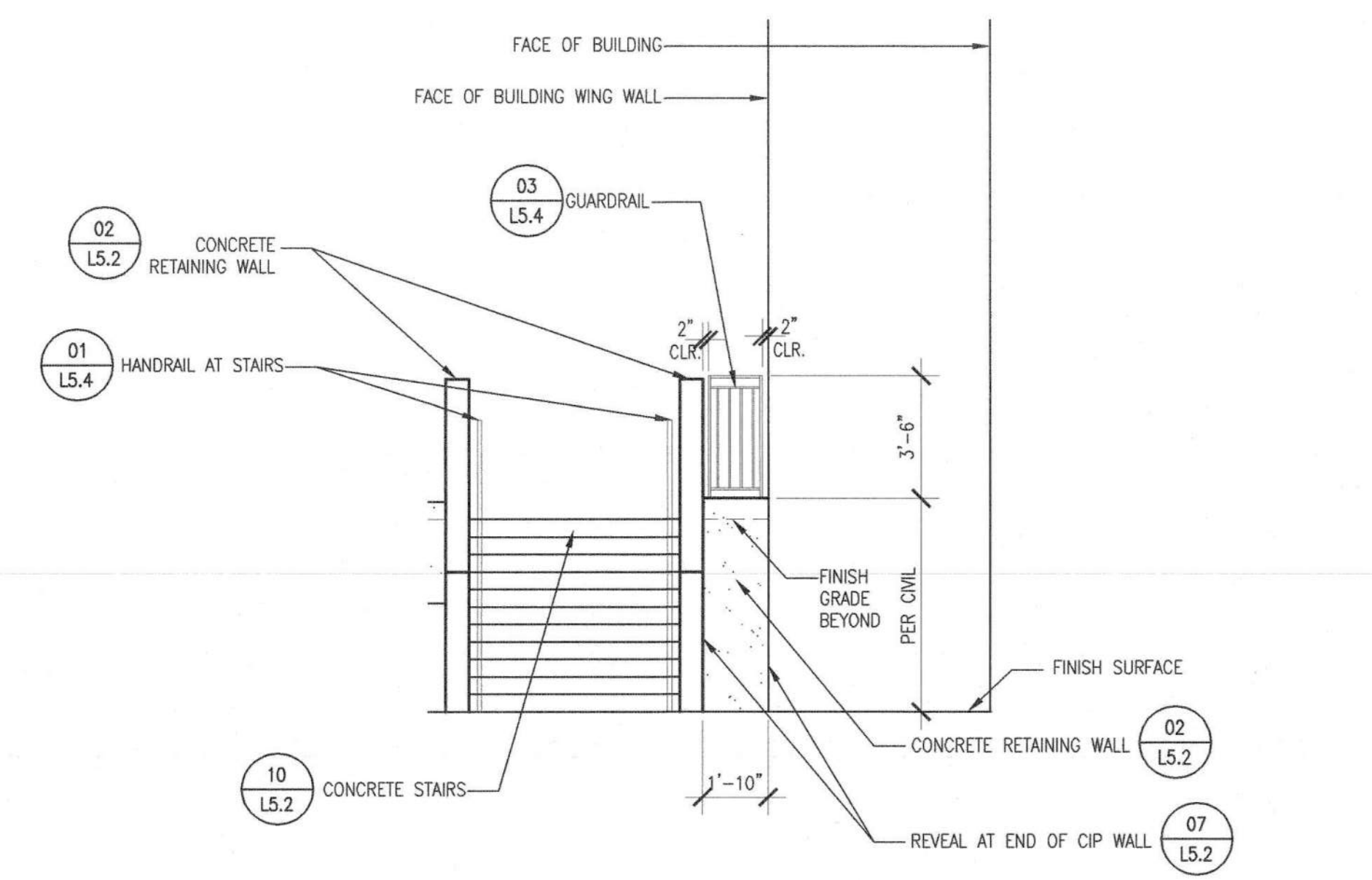




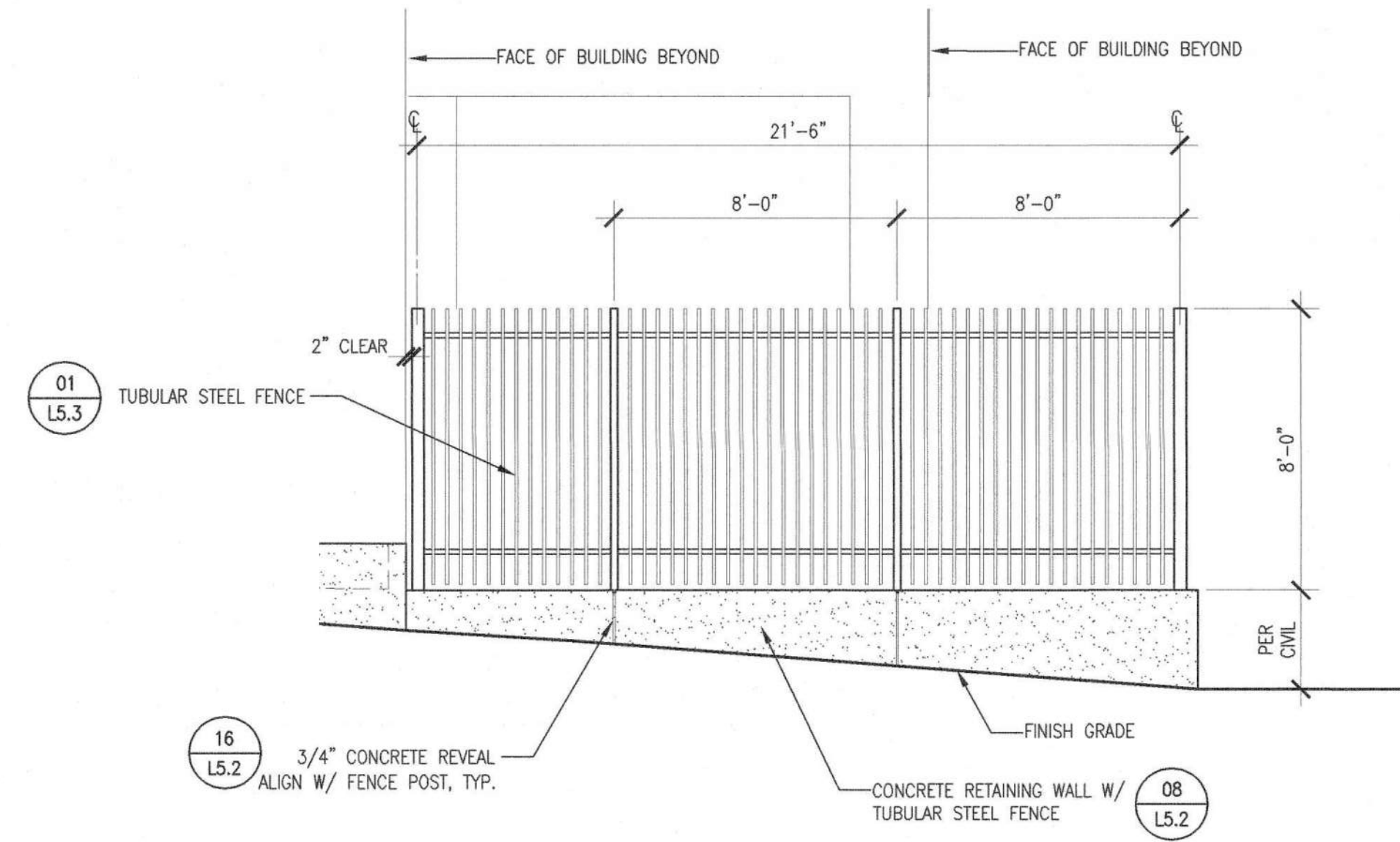
FENCE ELEVATION 13



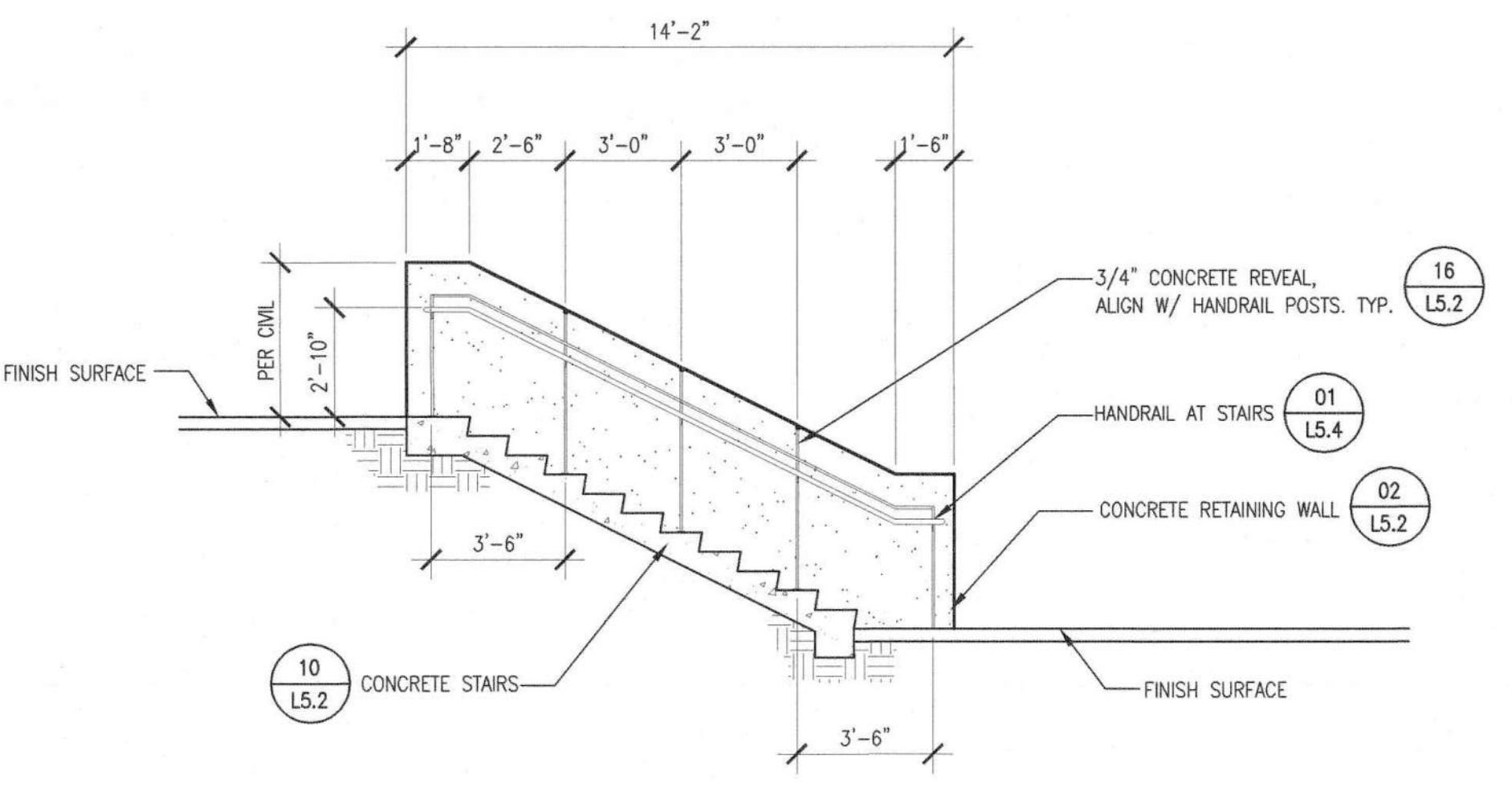
WEST STAIR ELEVATION 05



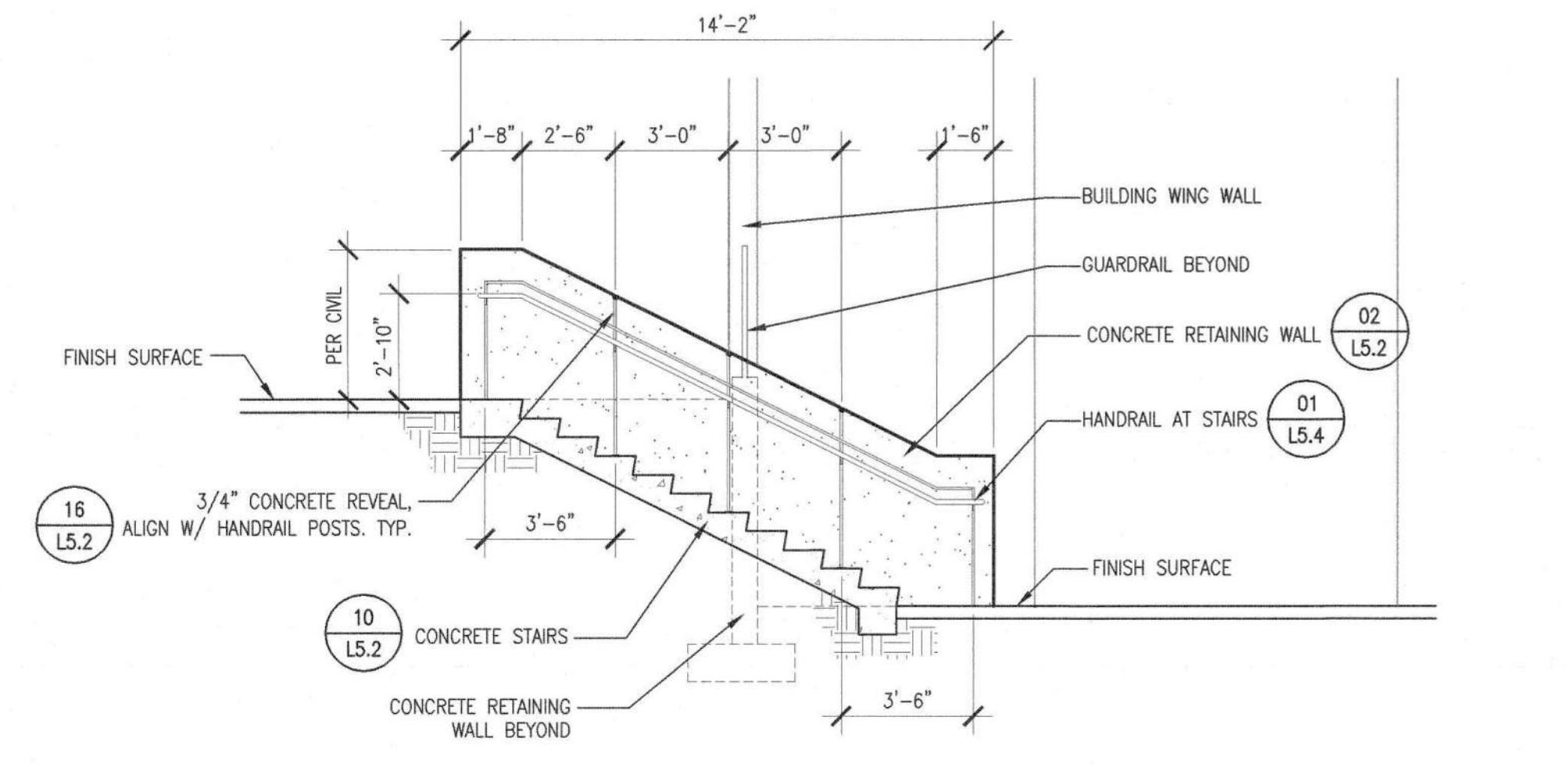
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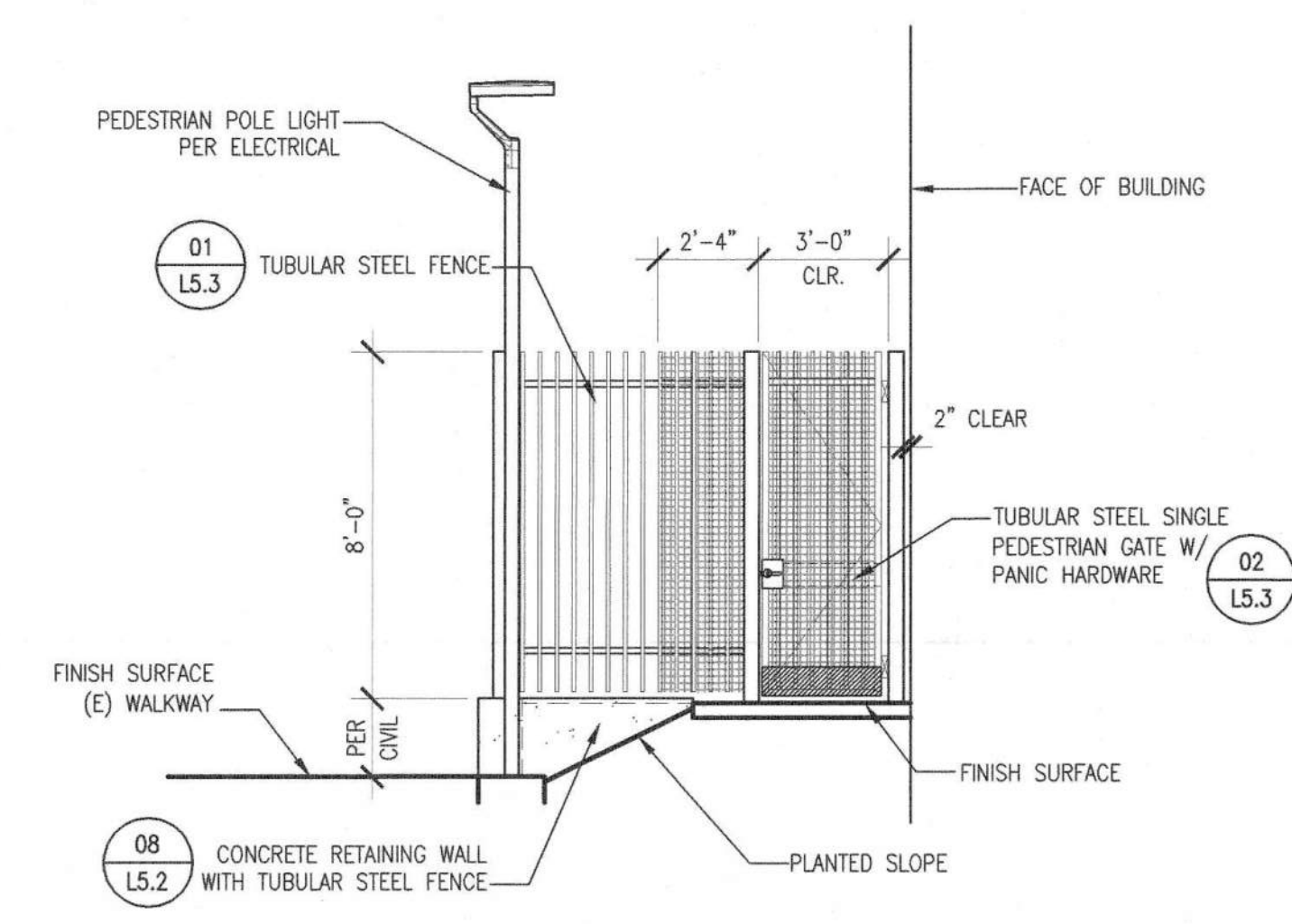
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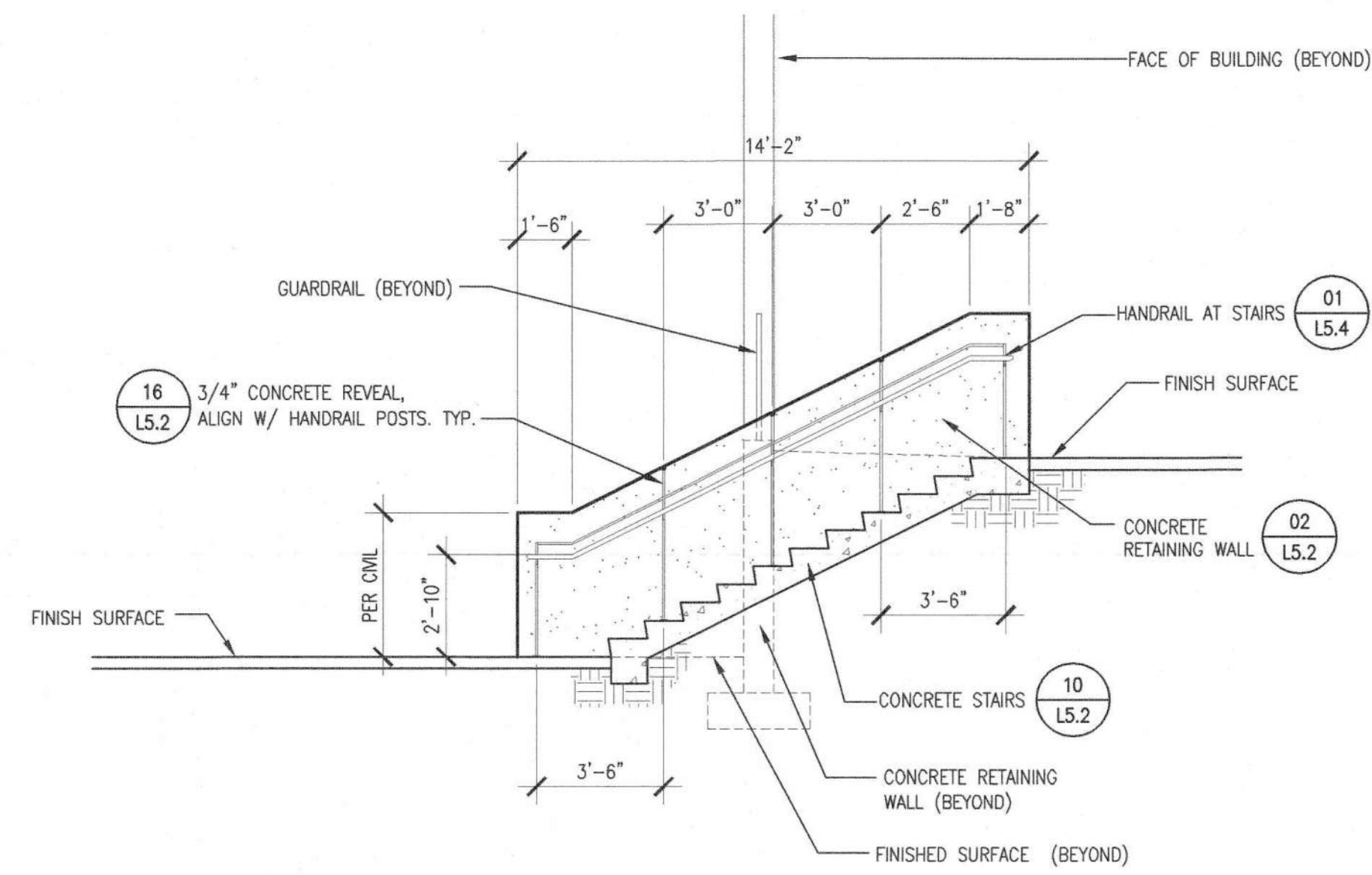
WEST STAIR SECTION 06



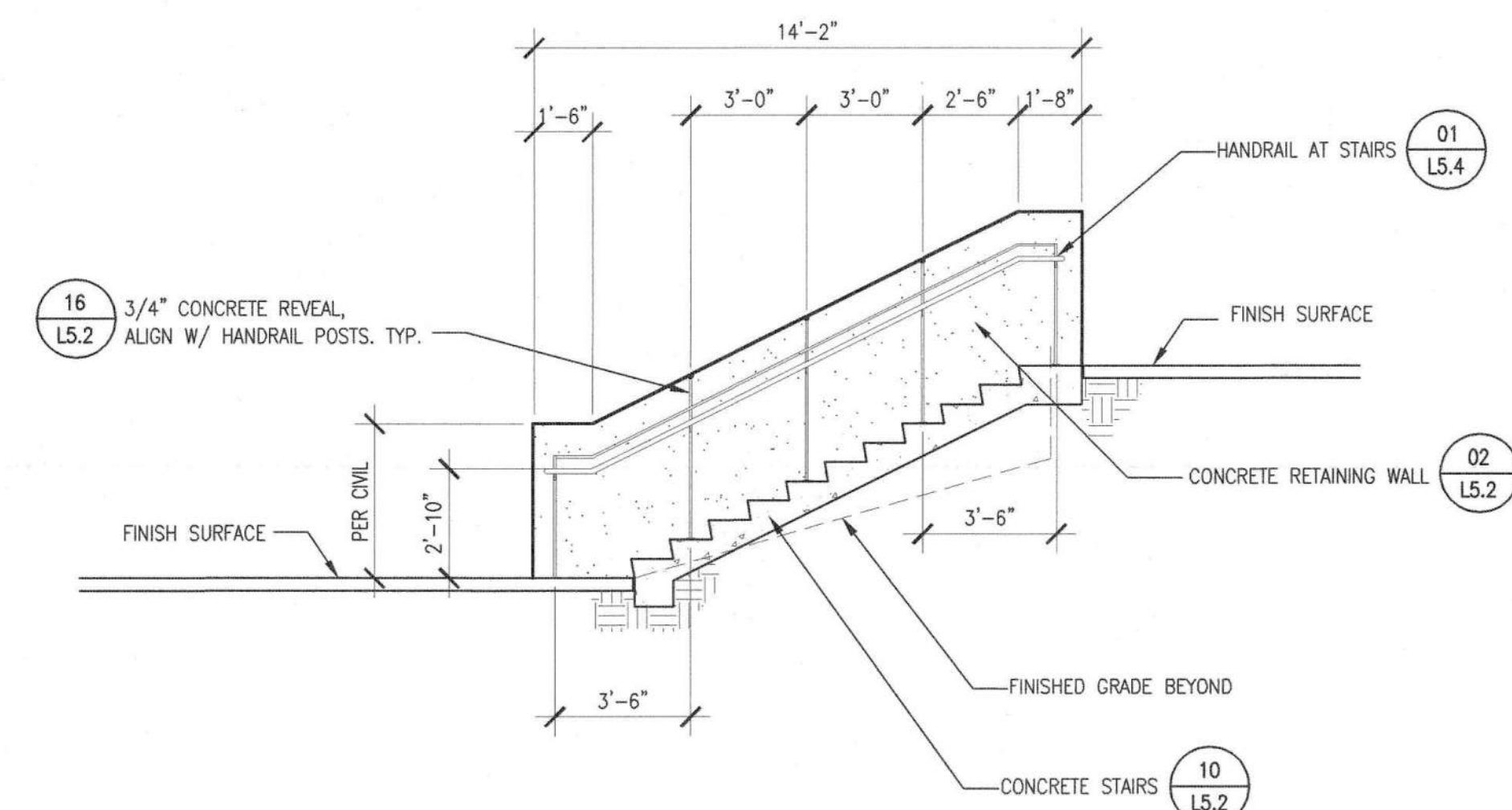
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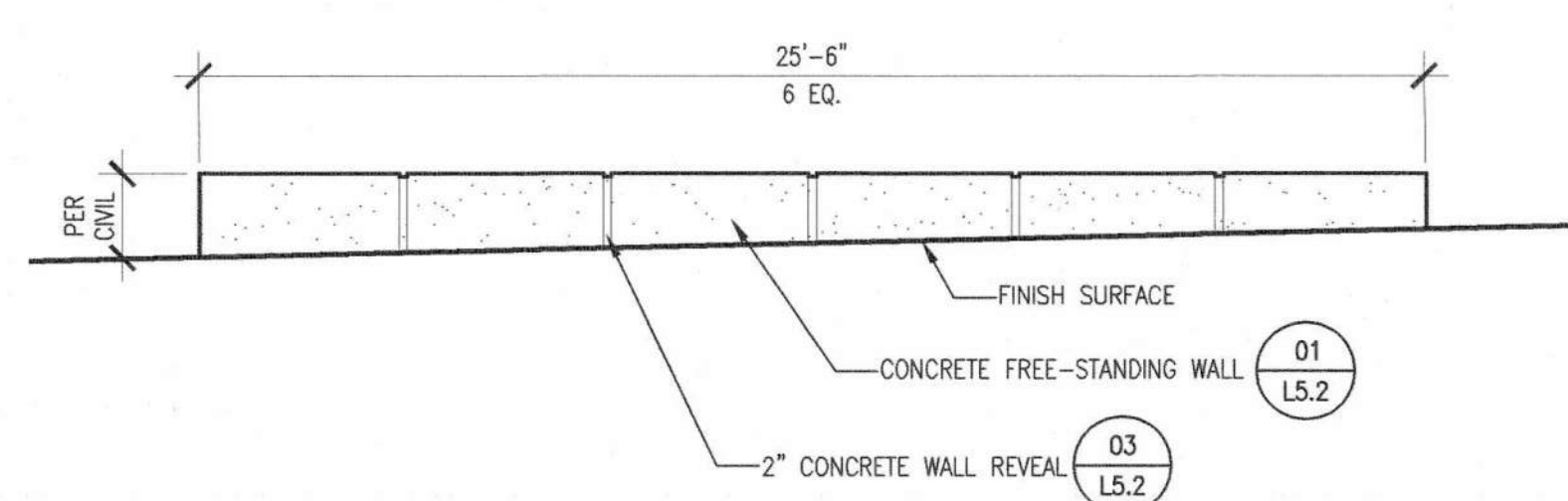
FENCE AND GATE ELEVATION 15



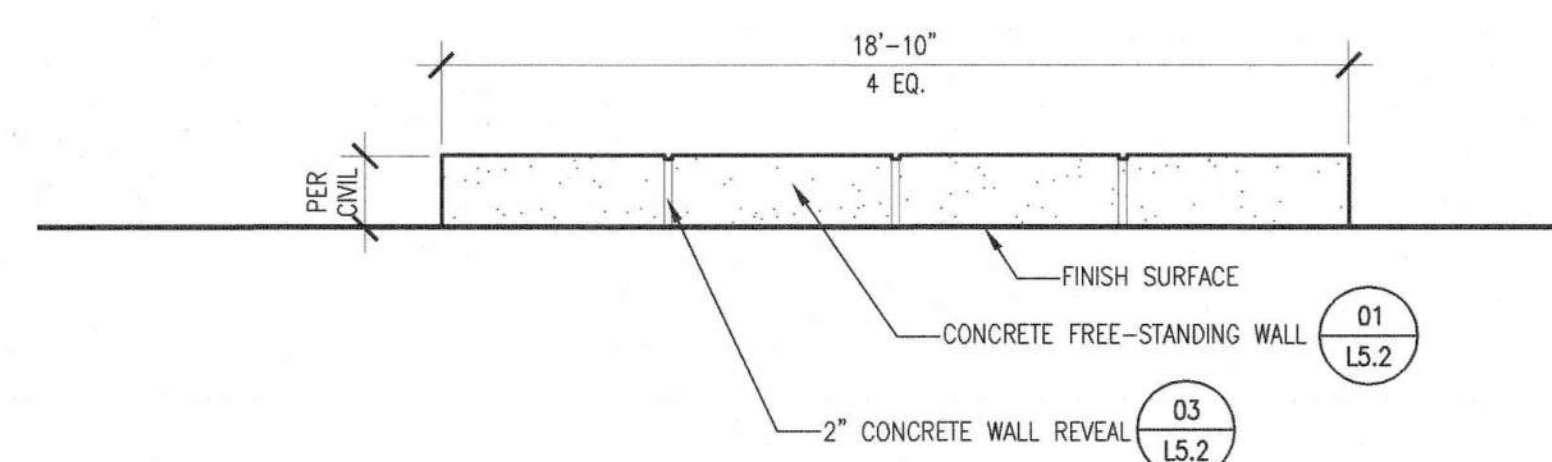
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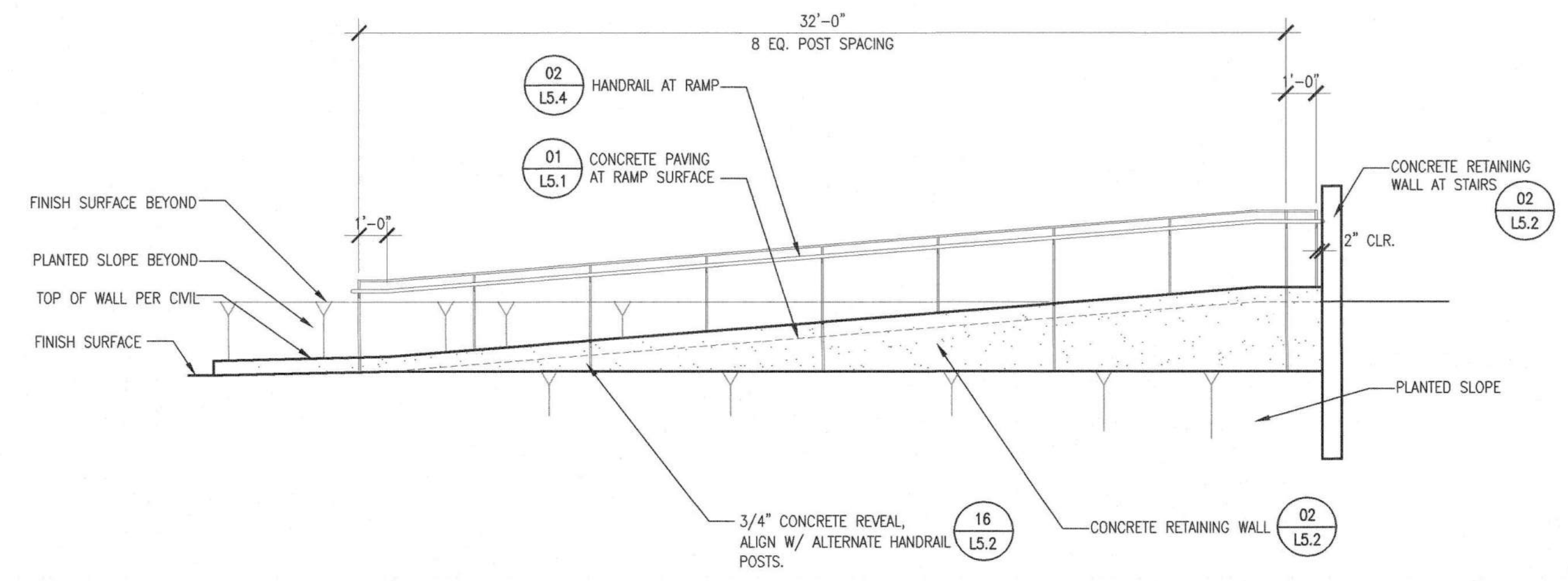
EAST STAIR SECTION 03



CONCRETE FREE-STANDING WALL -DEVELOPED ELEVATION 16



CONCRETE FREE-STANDING WALL -DEVELOPED ELEVATION 08



ELEVATION AT RAMP AND WALLS 04



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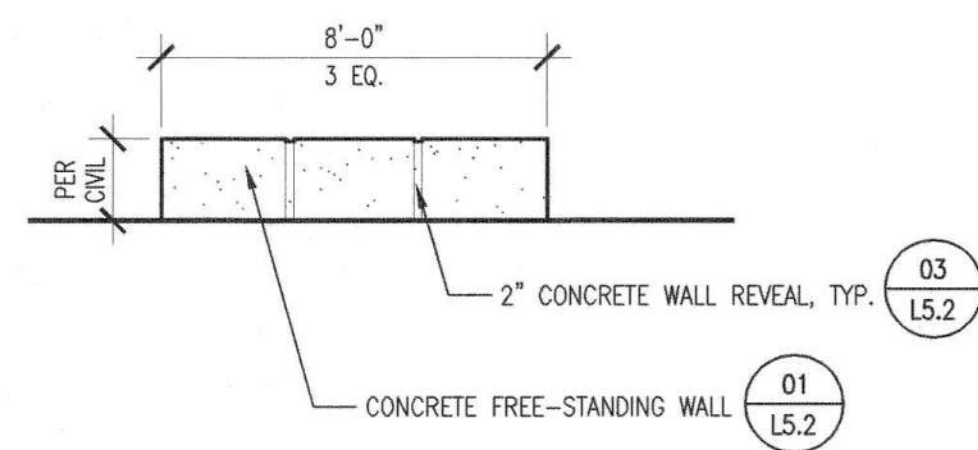
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Date	03/18/2016
100% SCHEMATIC DESIGN	05/17/2016
90% DESIGN DEVELOPMENT	06/15/2016
50% CONSTRUCTION DOCUMENTS	07/27/2016
05% SUBMITTAL	08/12/2016
05% APPROVAL	03/08/2017

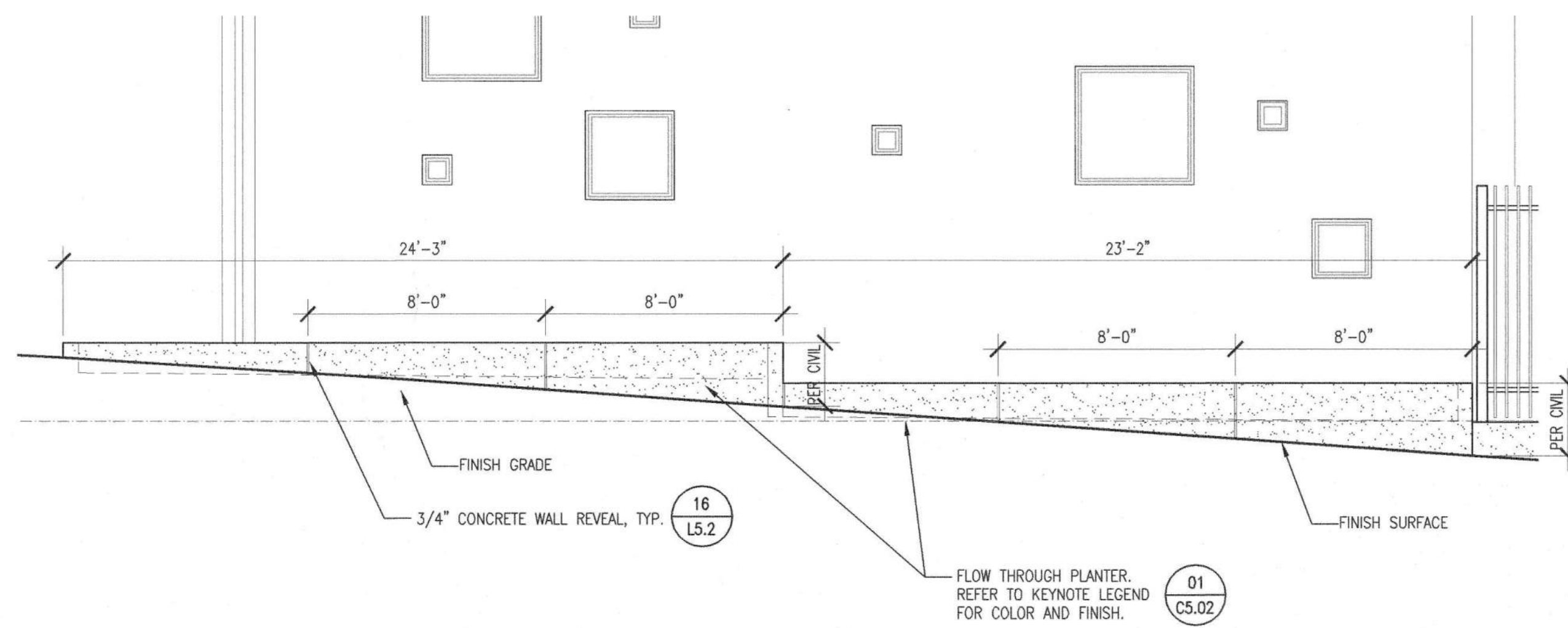
Job No.	1602010
Date	03.08.2017
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Scale	1/4" = 1'-0"

SITE SECTIONS AND ELEVATIONS

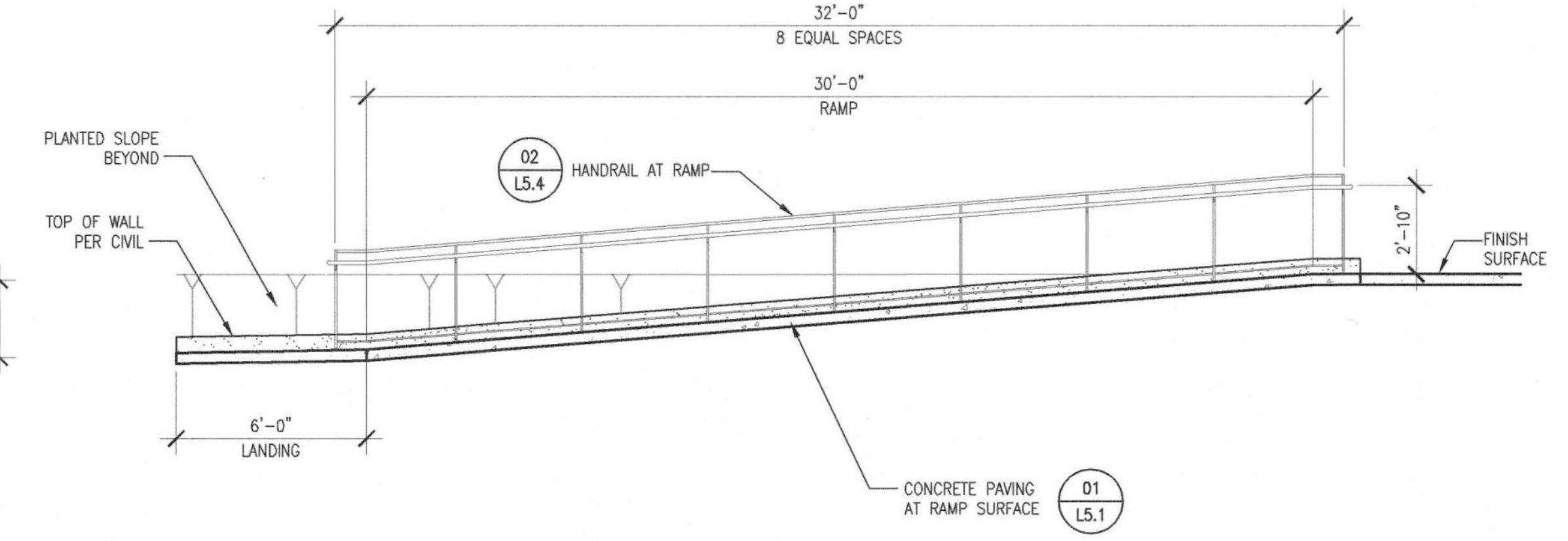




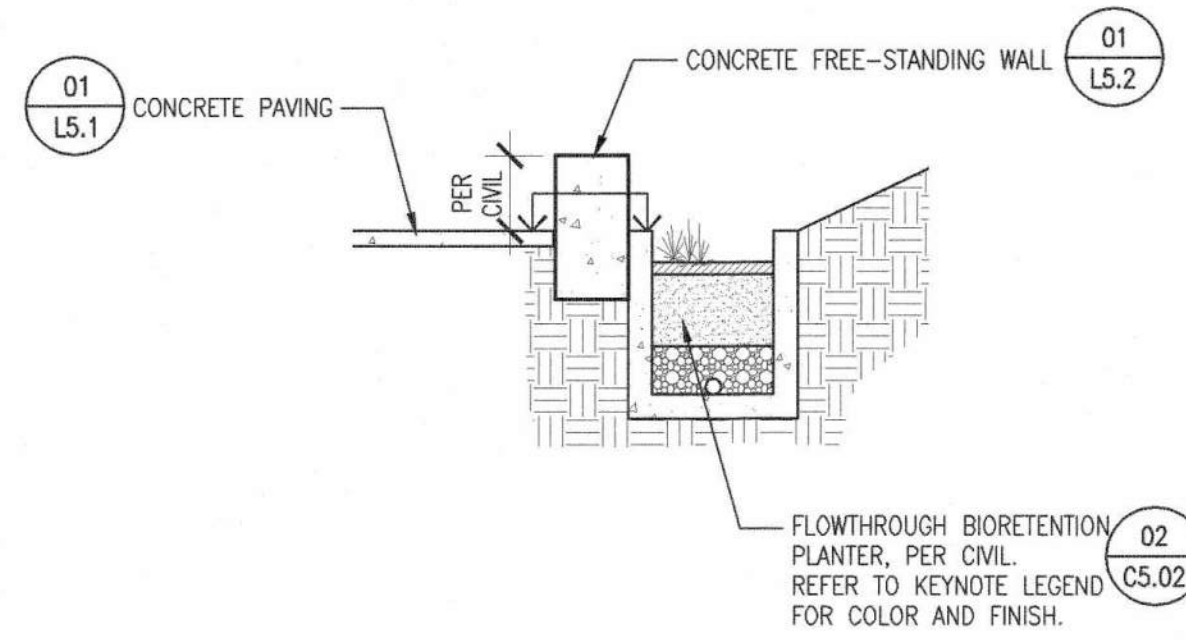
FREESTANDING WALL ELEVATION 13



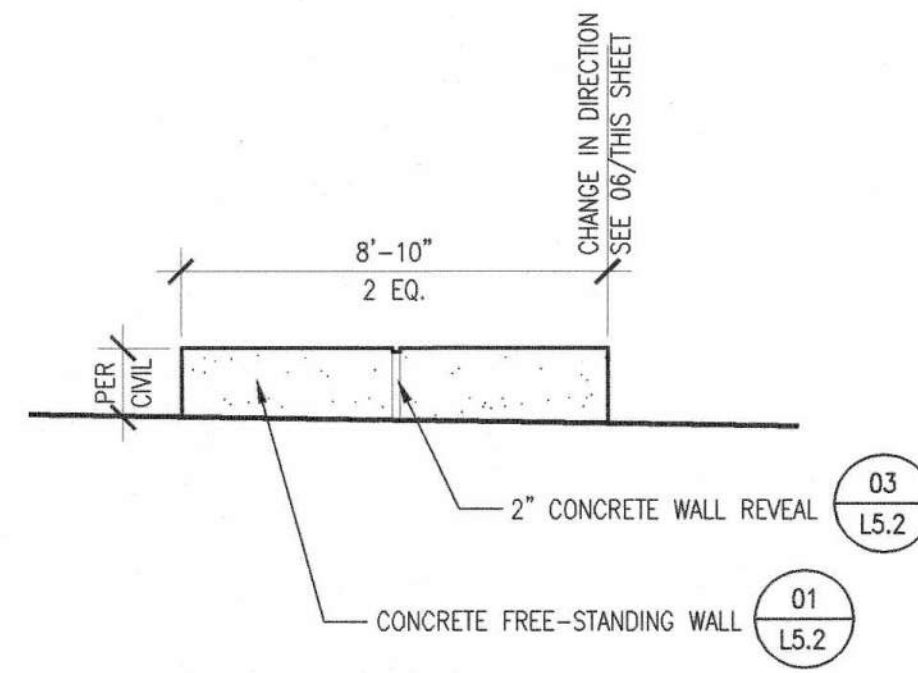
FLOW THROUGH BIORETENTION PLANTER ELEVATION 05



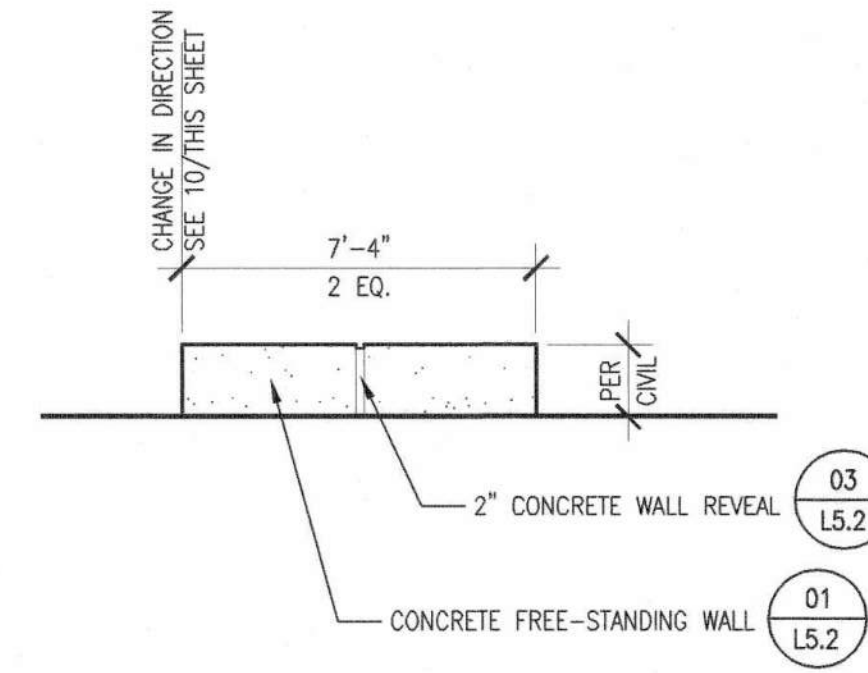
RAMP SECTION/ELEVATION 01



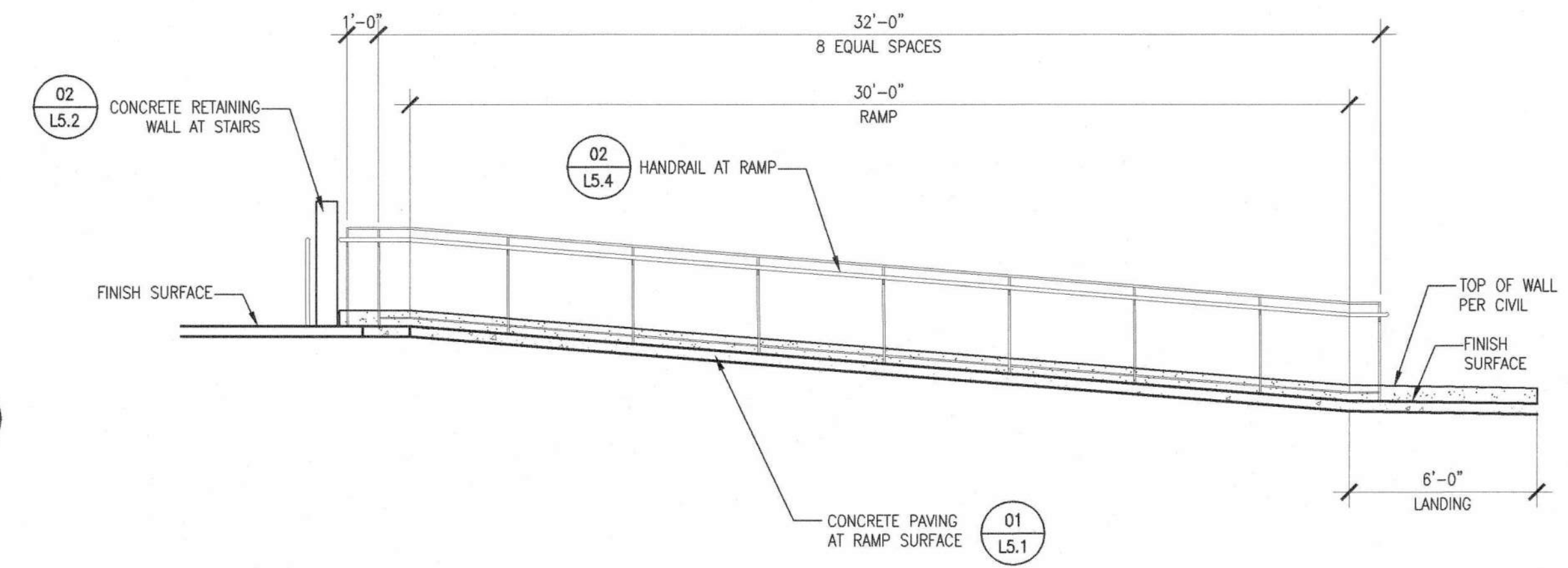
SITE SECTION 14



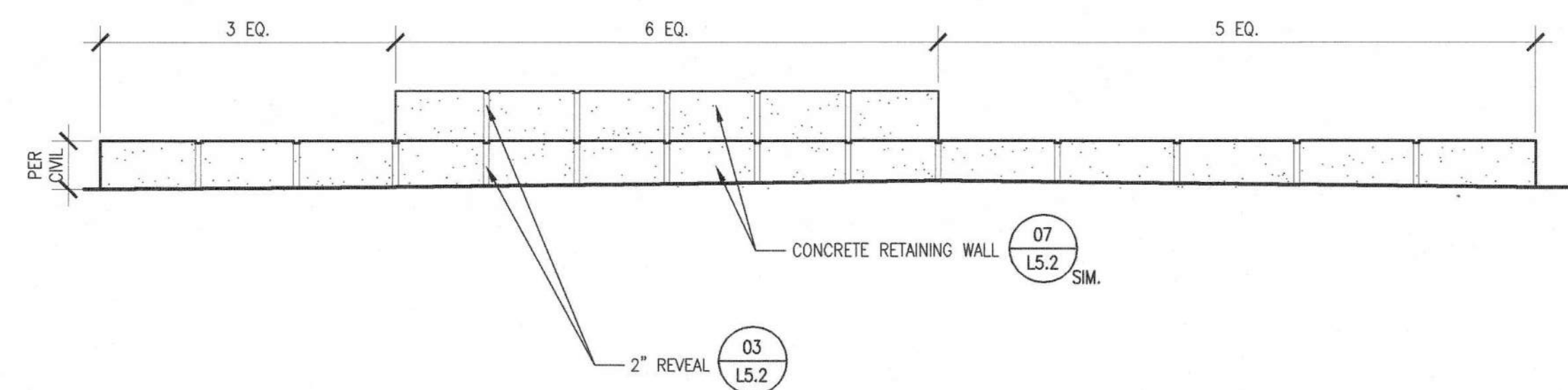
FREESTANDING WALL ELEVATION 10



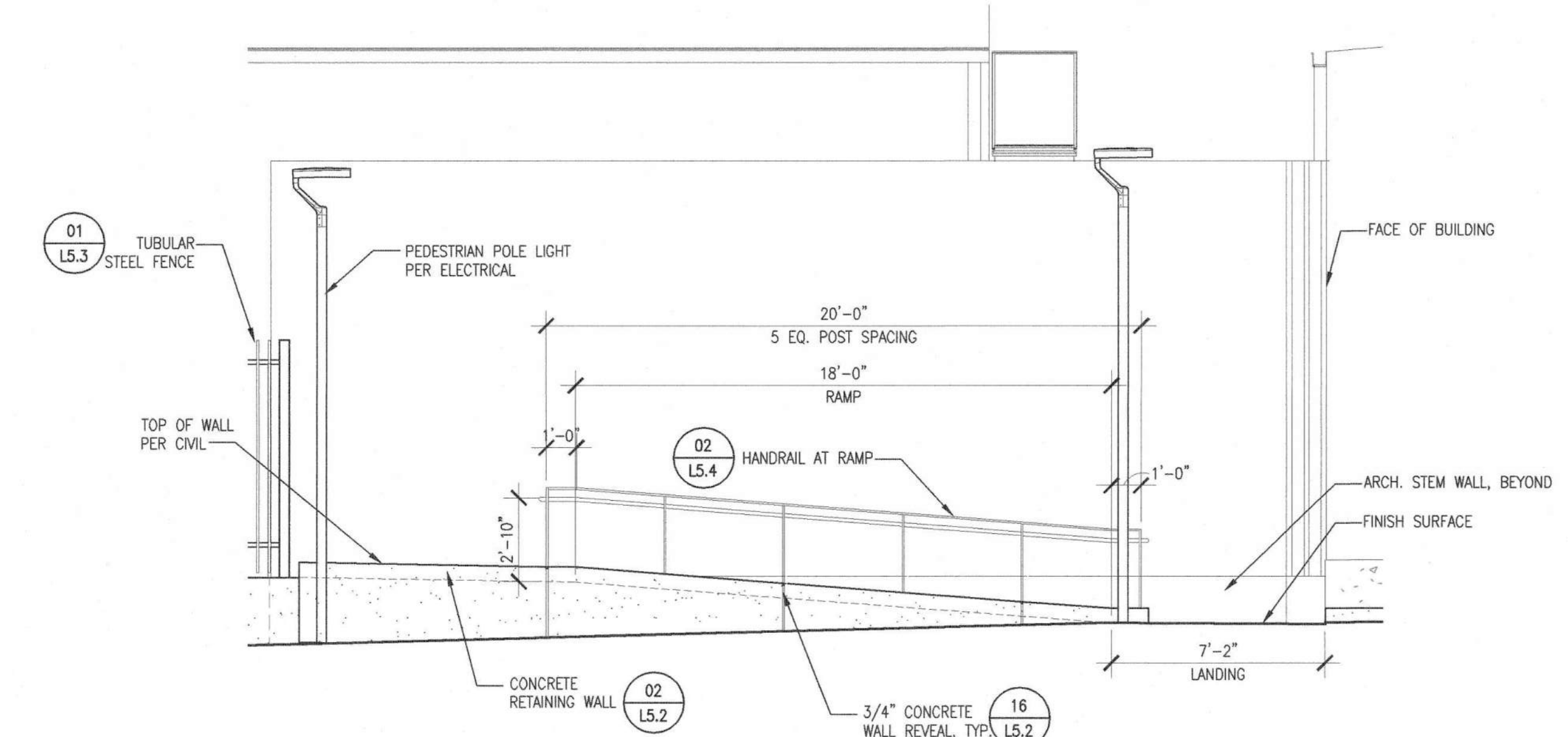
FREESTANDING WALL ELEVATION 06



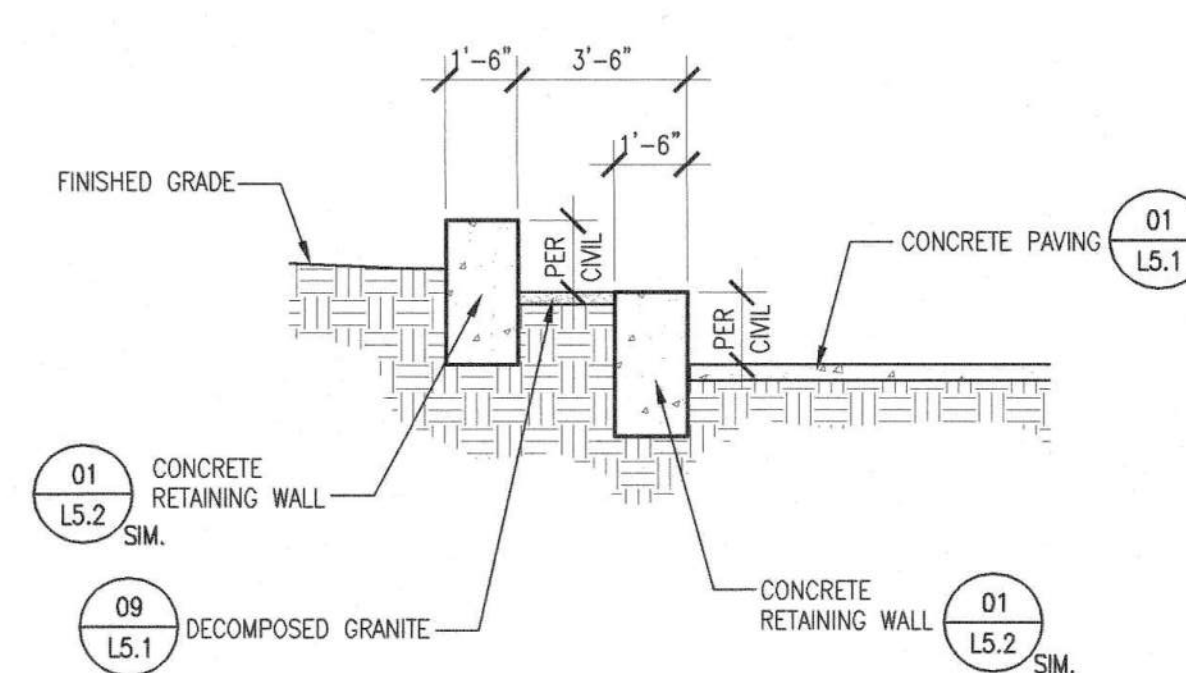
RAMP SECTION/ELEVATION 02



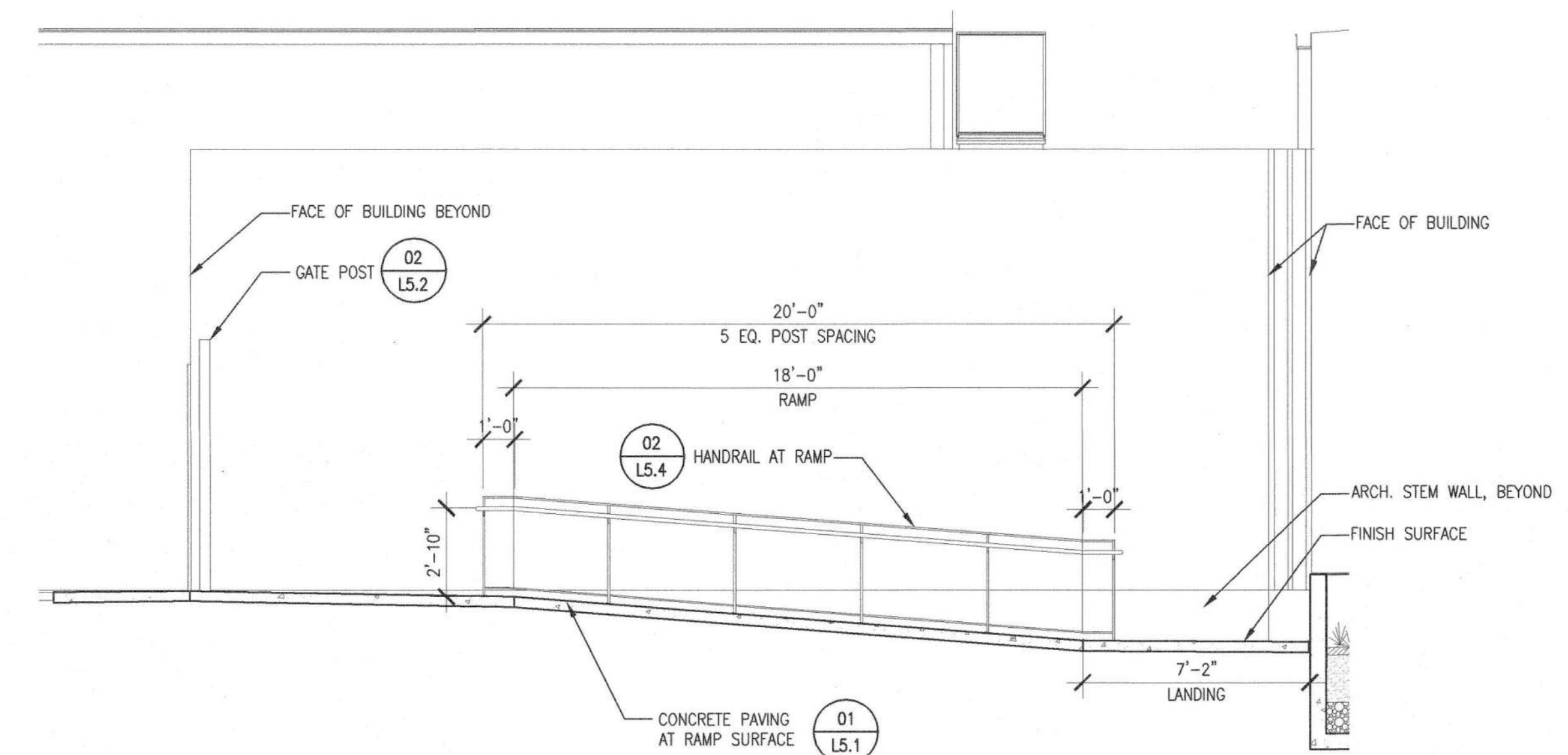
DEVELOPED WALL ELEVATION 07



RAMP SECTION/ELEVATION 03



SITE SECTION 08



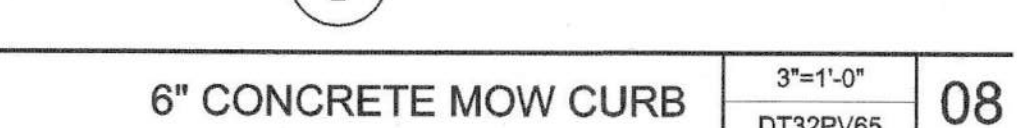
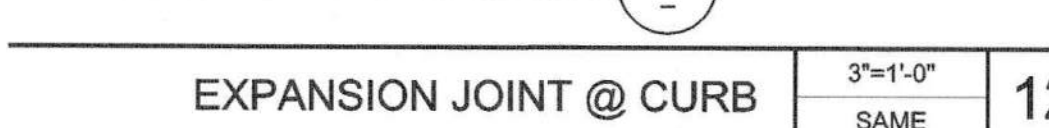
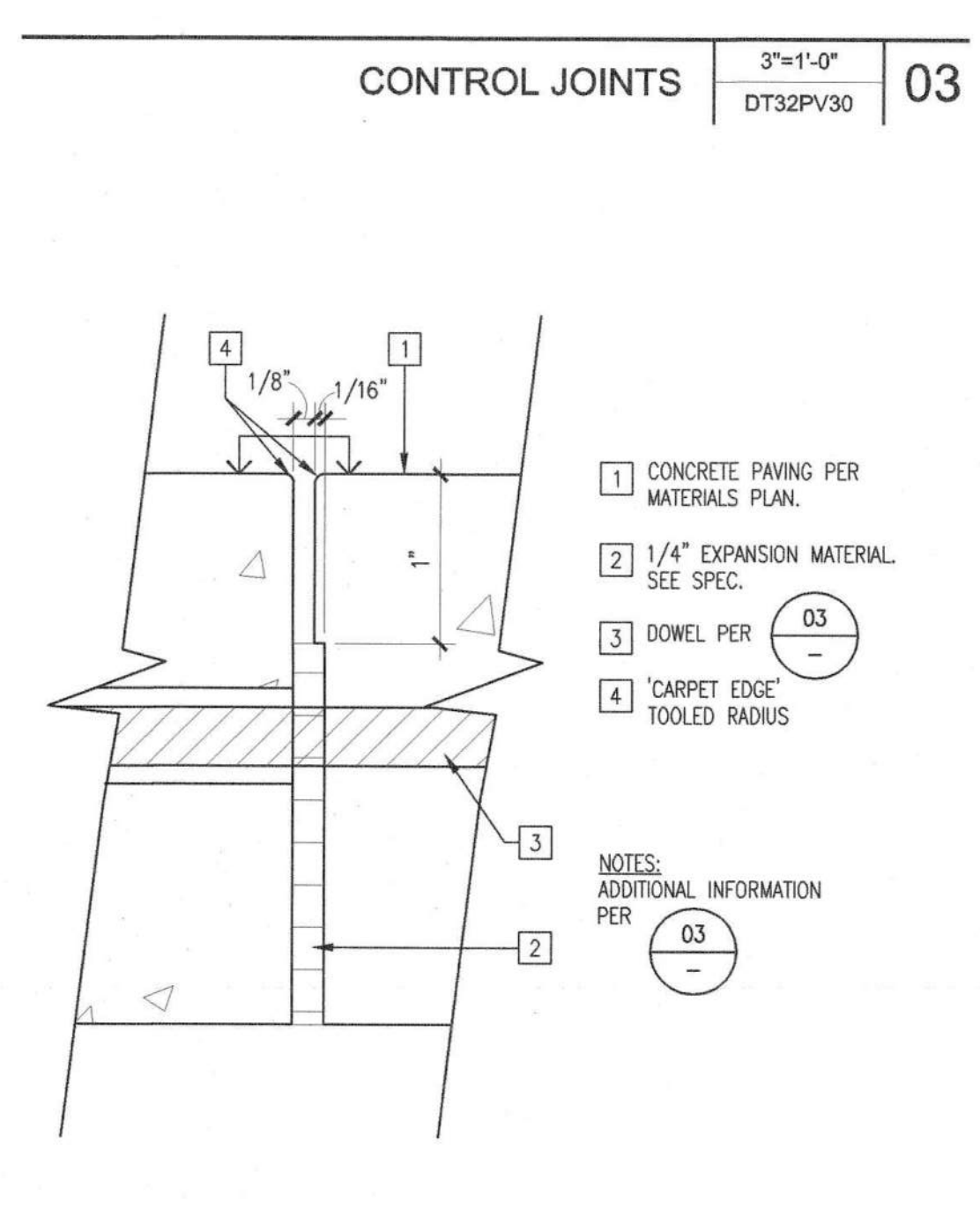
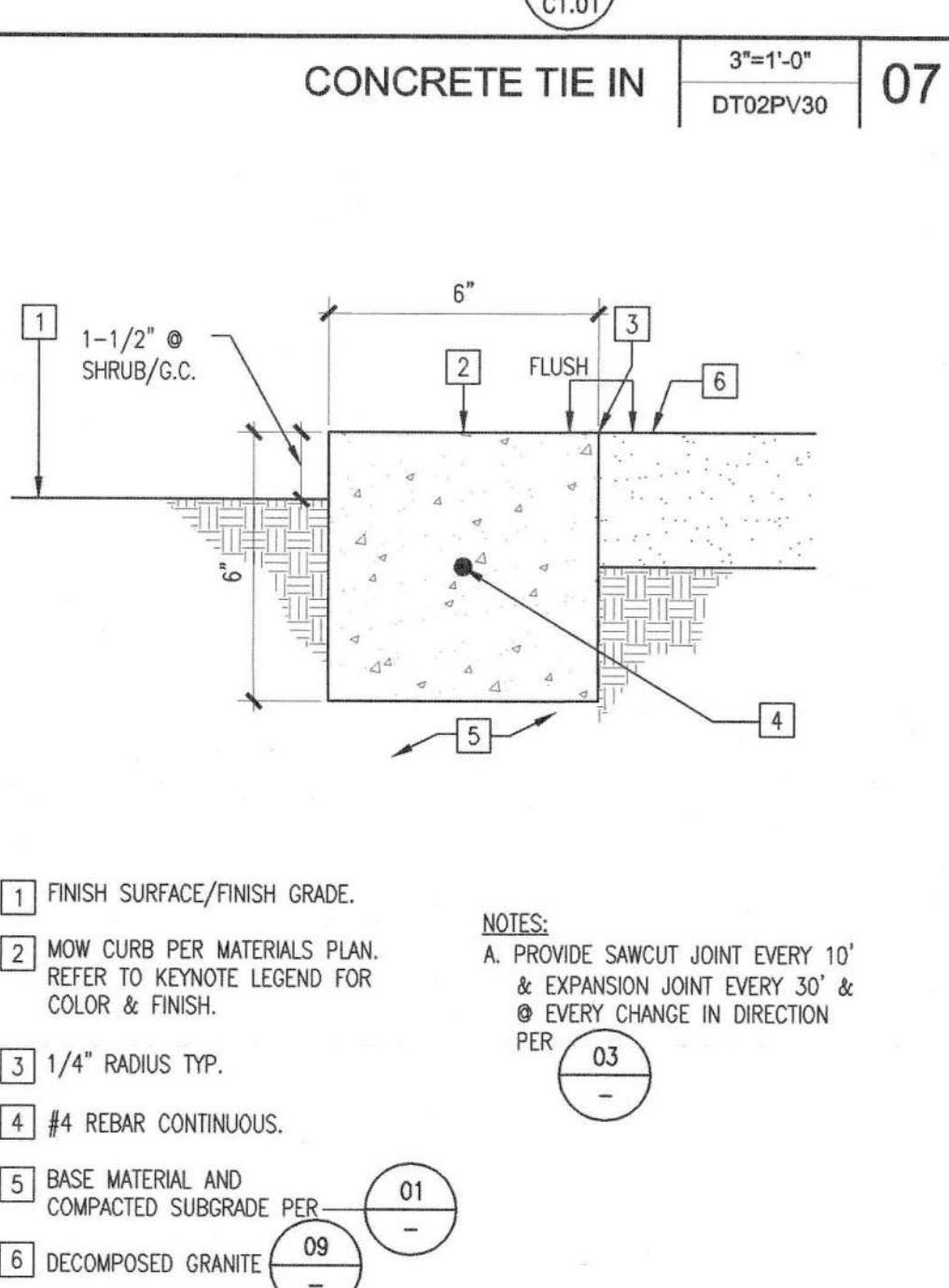
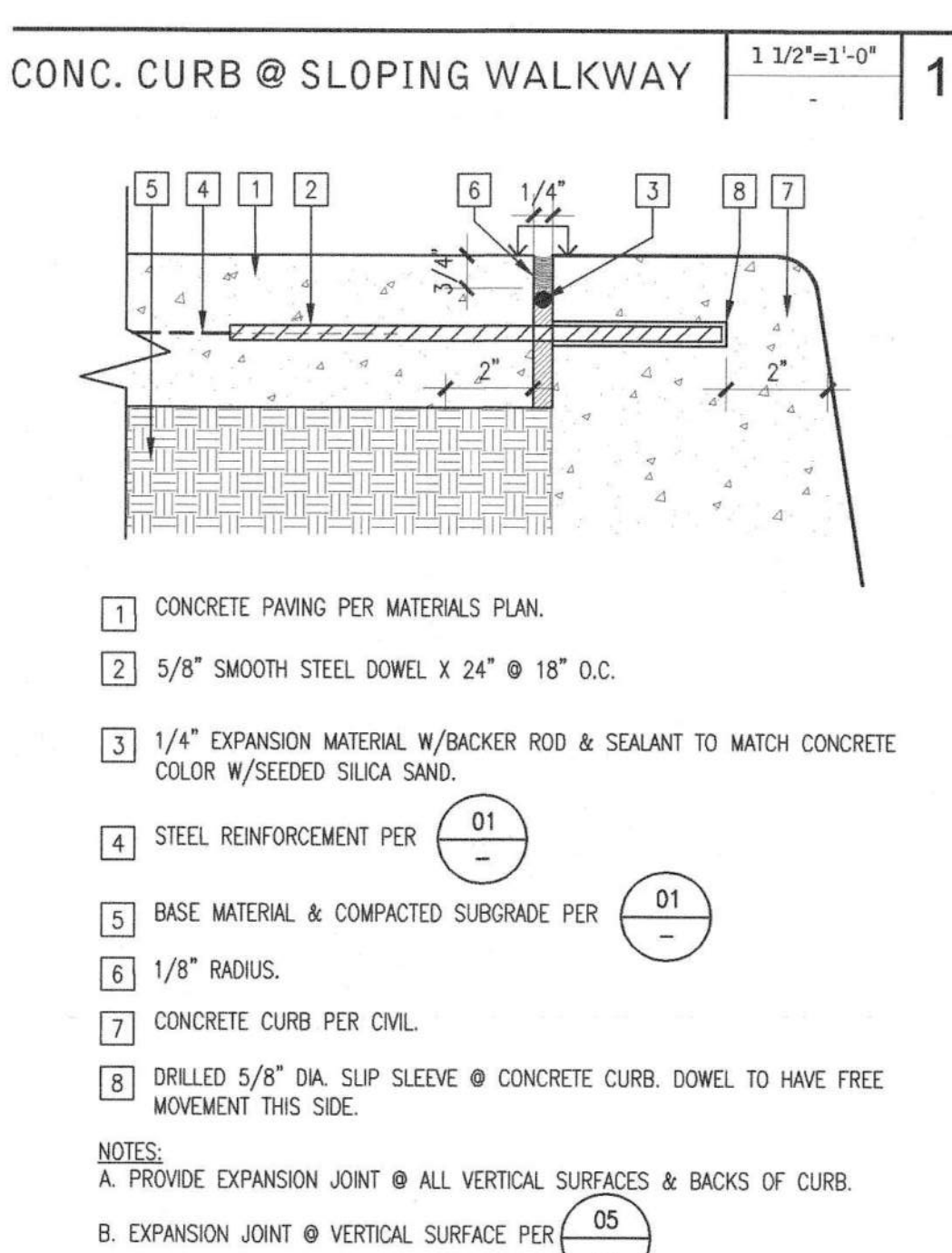
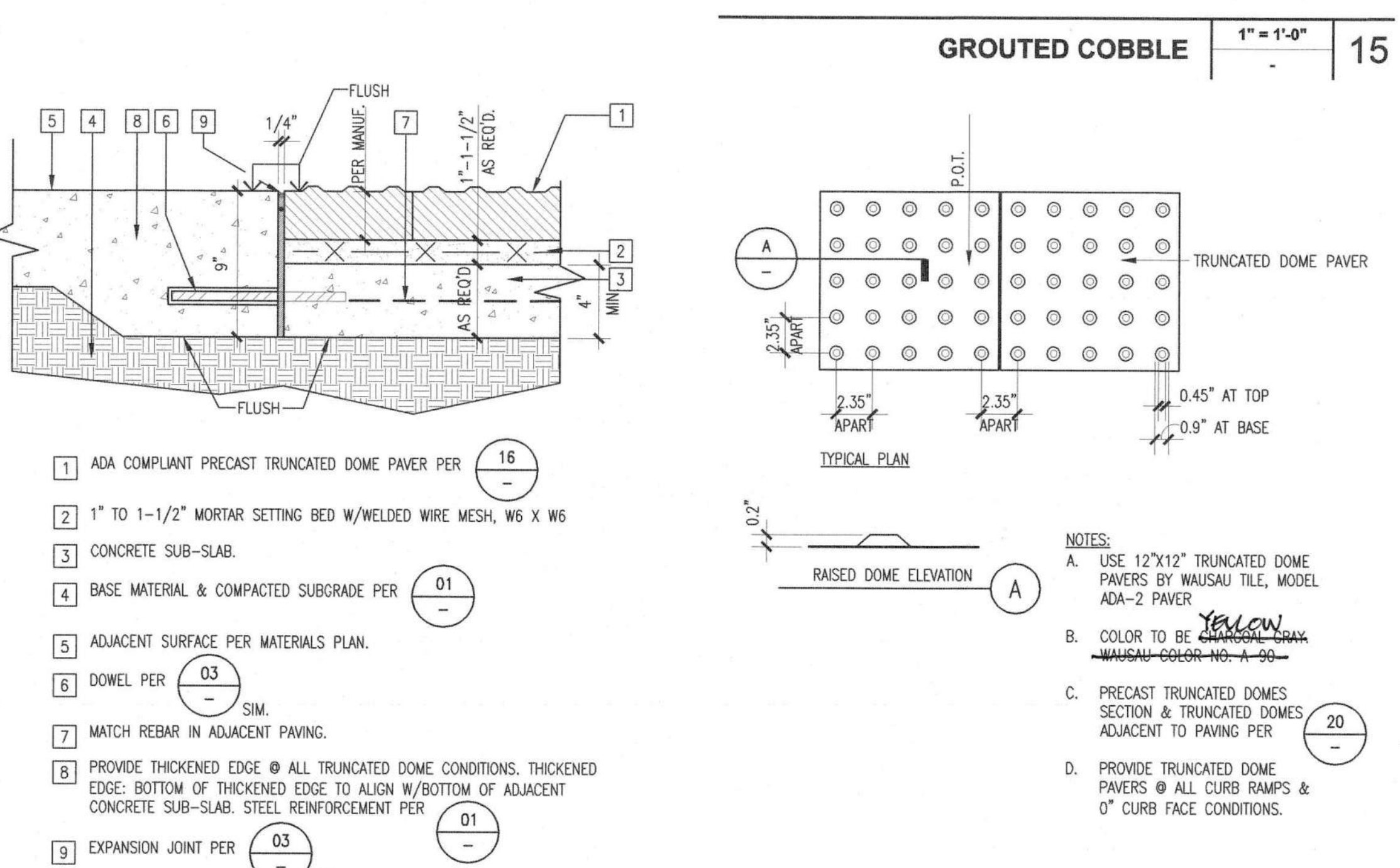
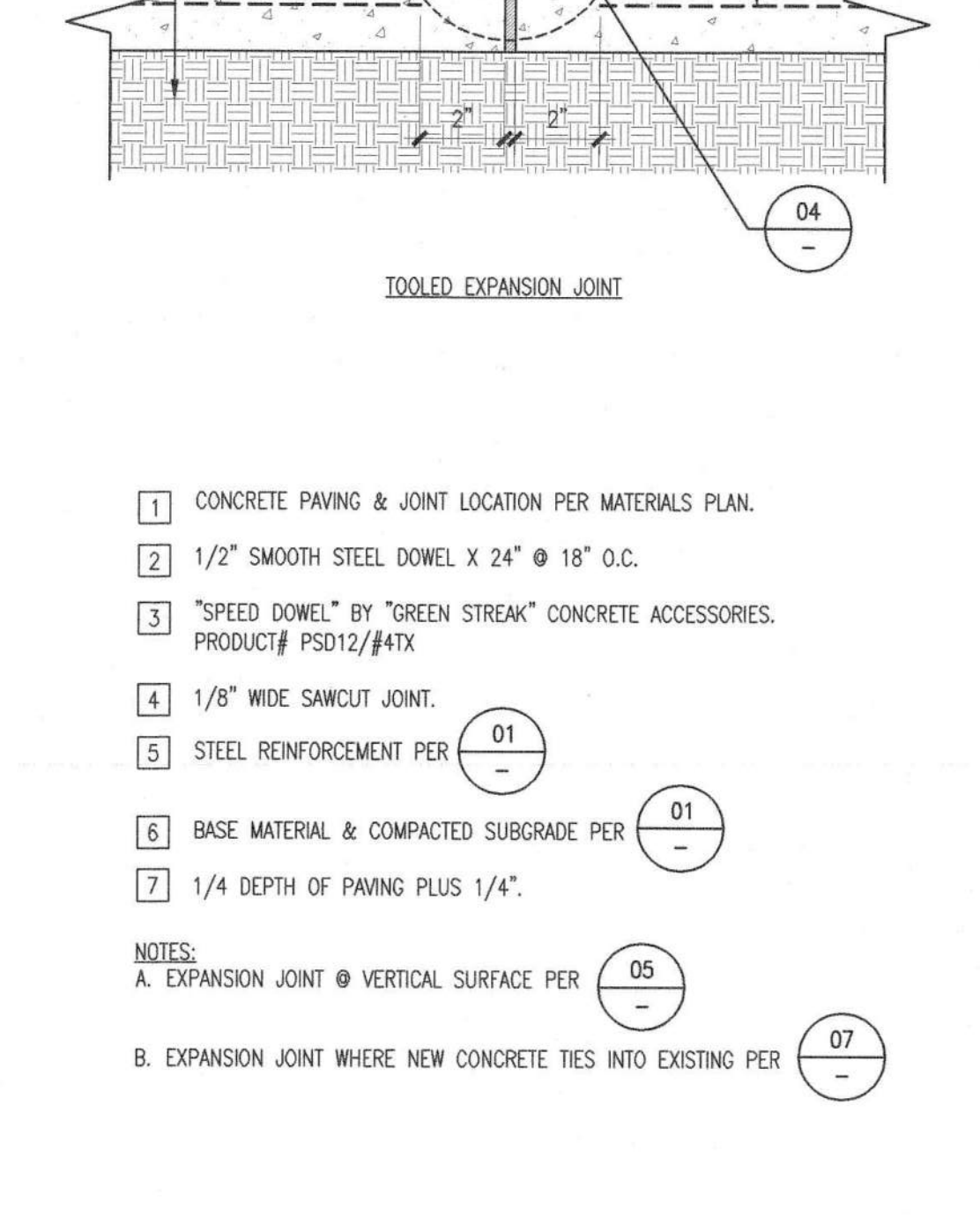
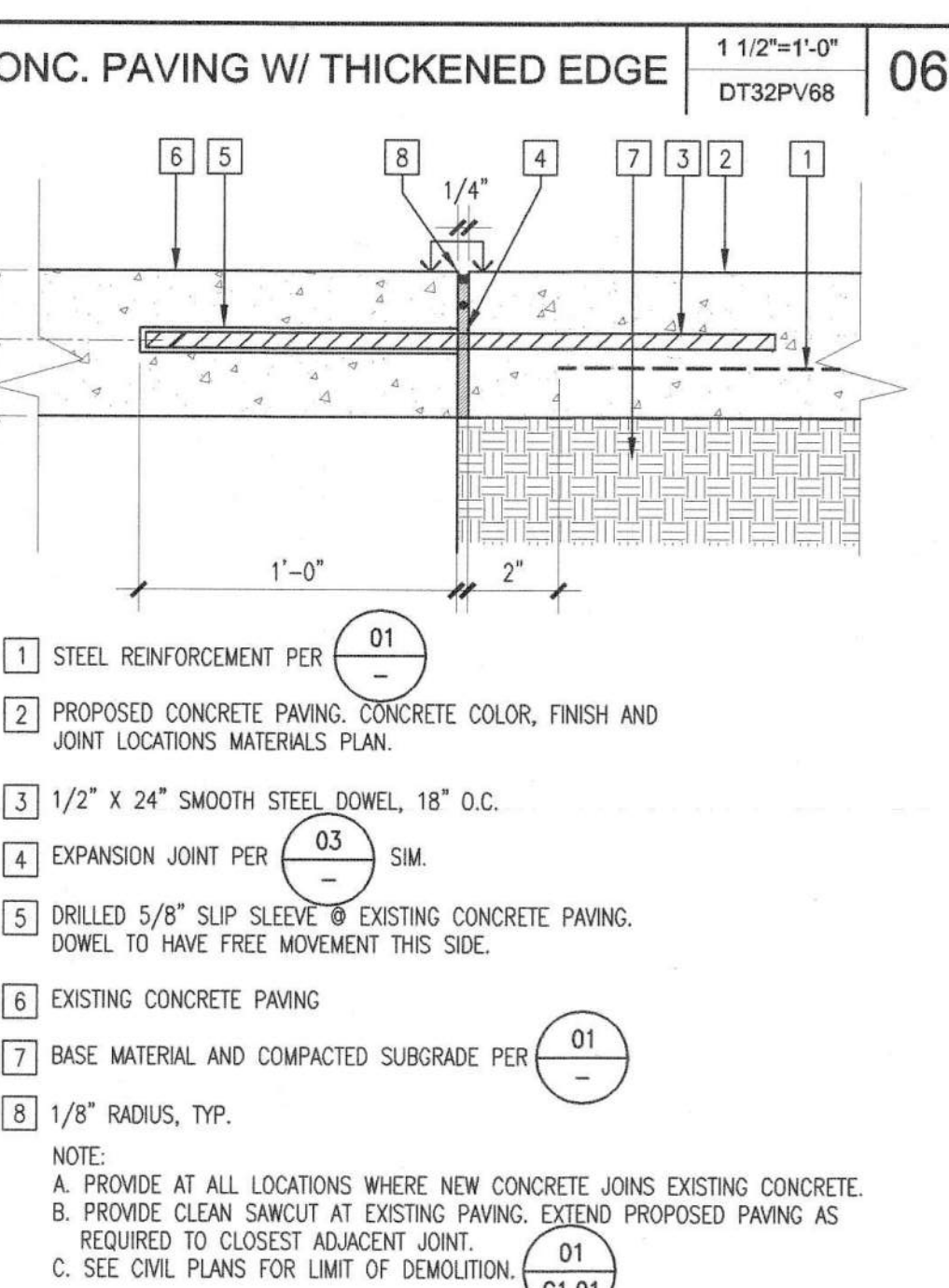
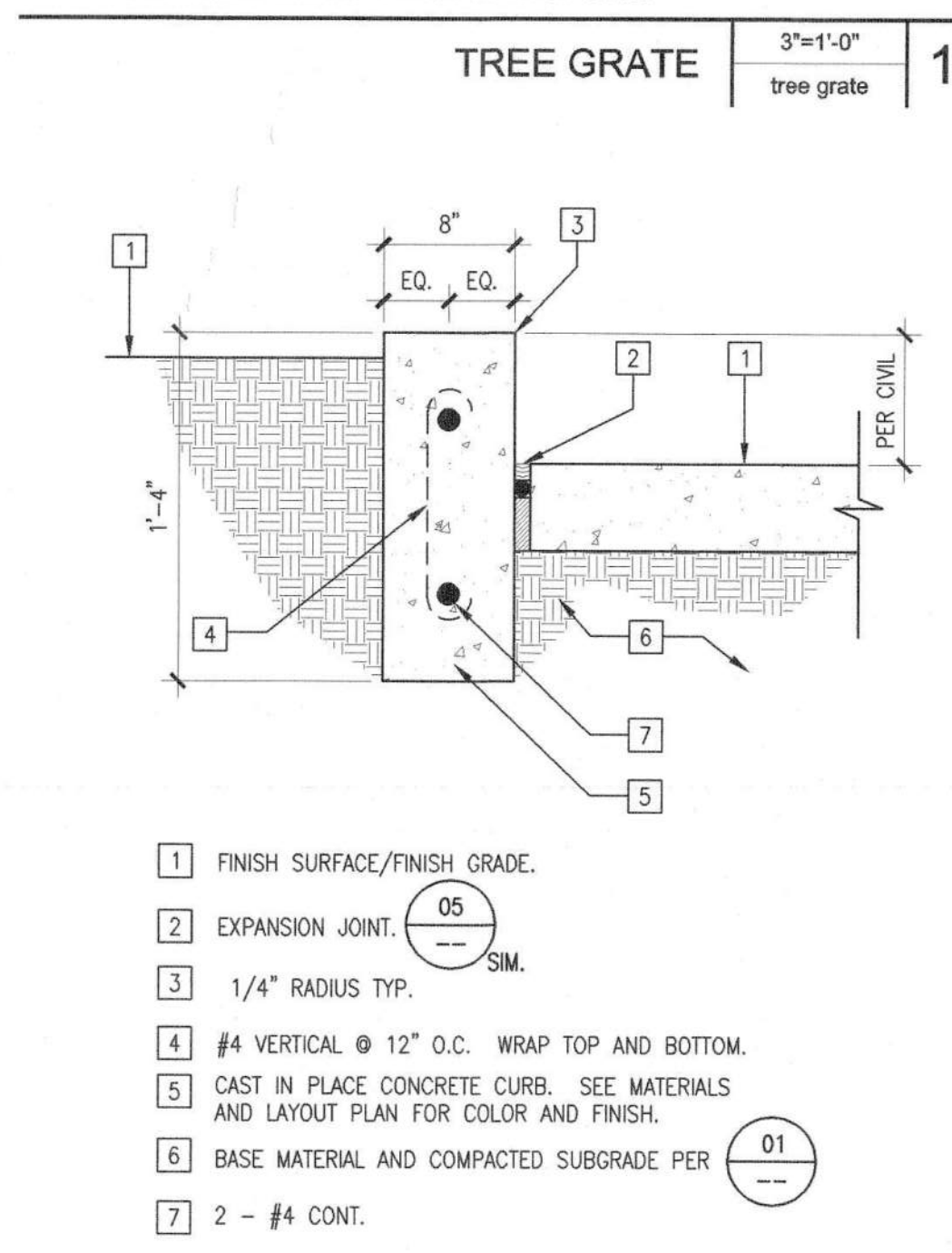
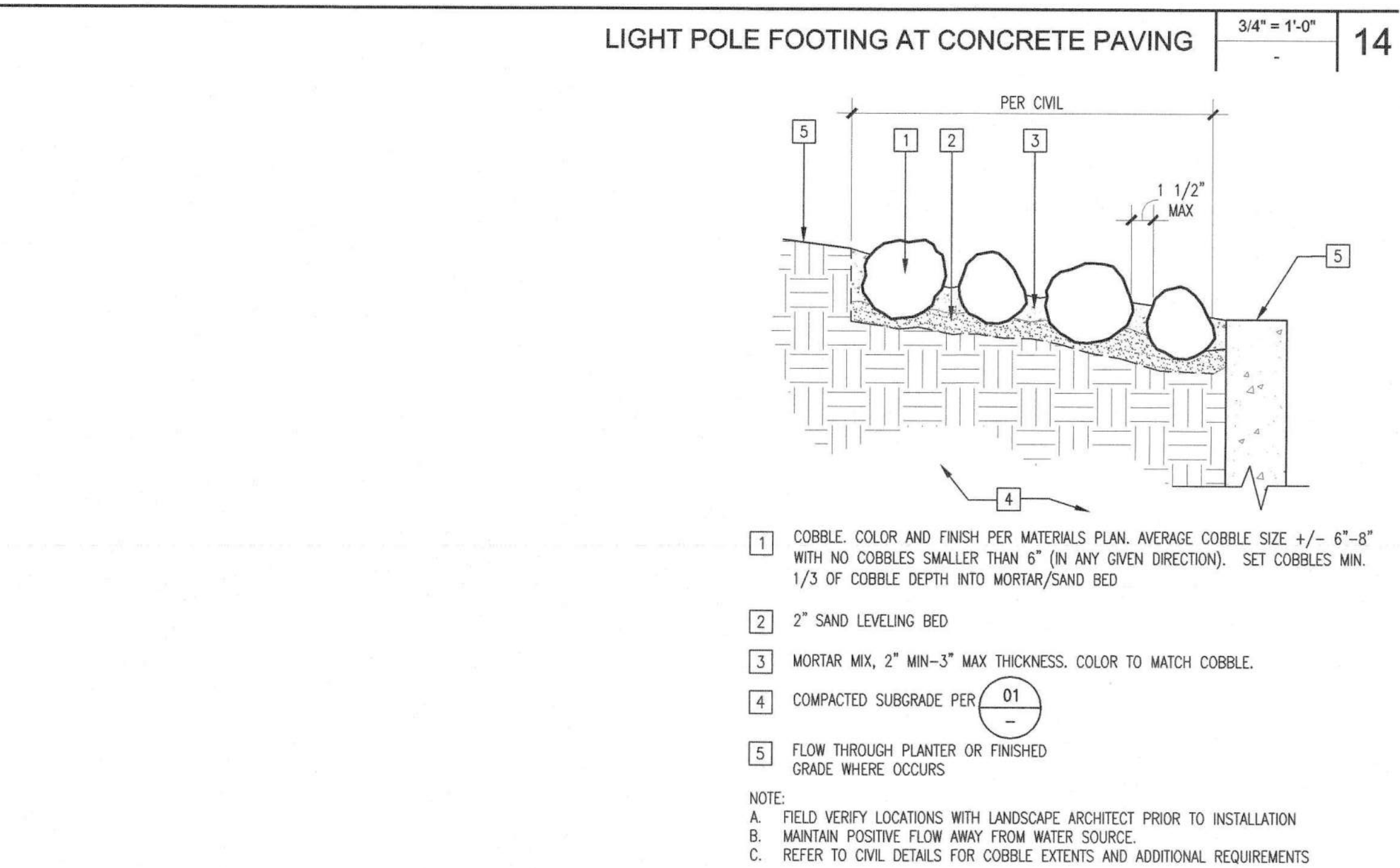
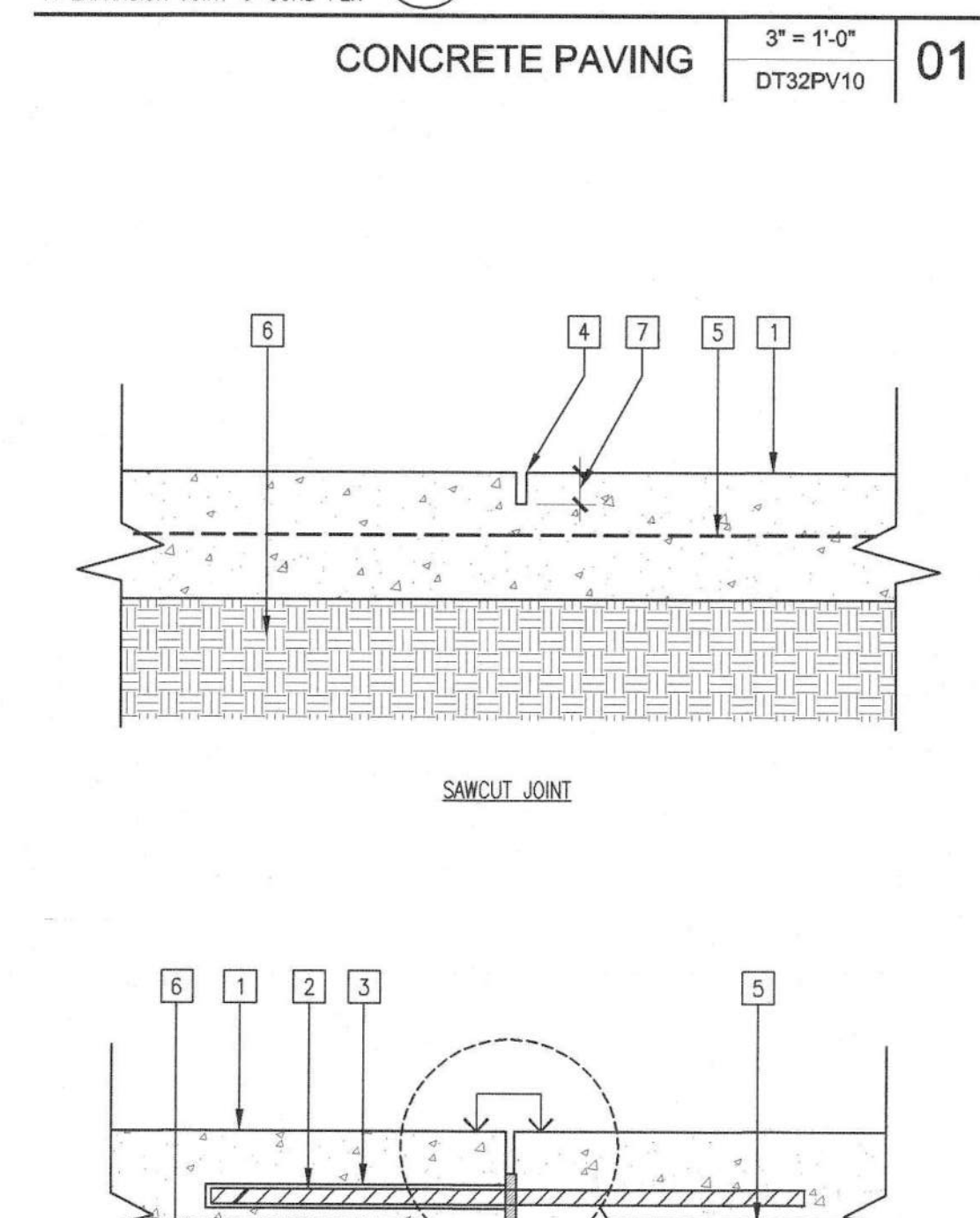
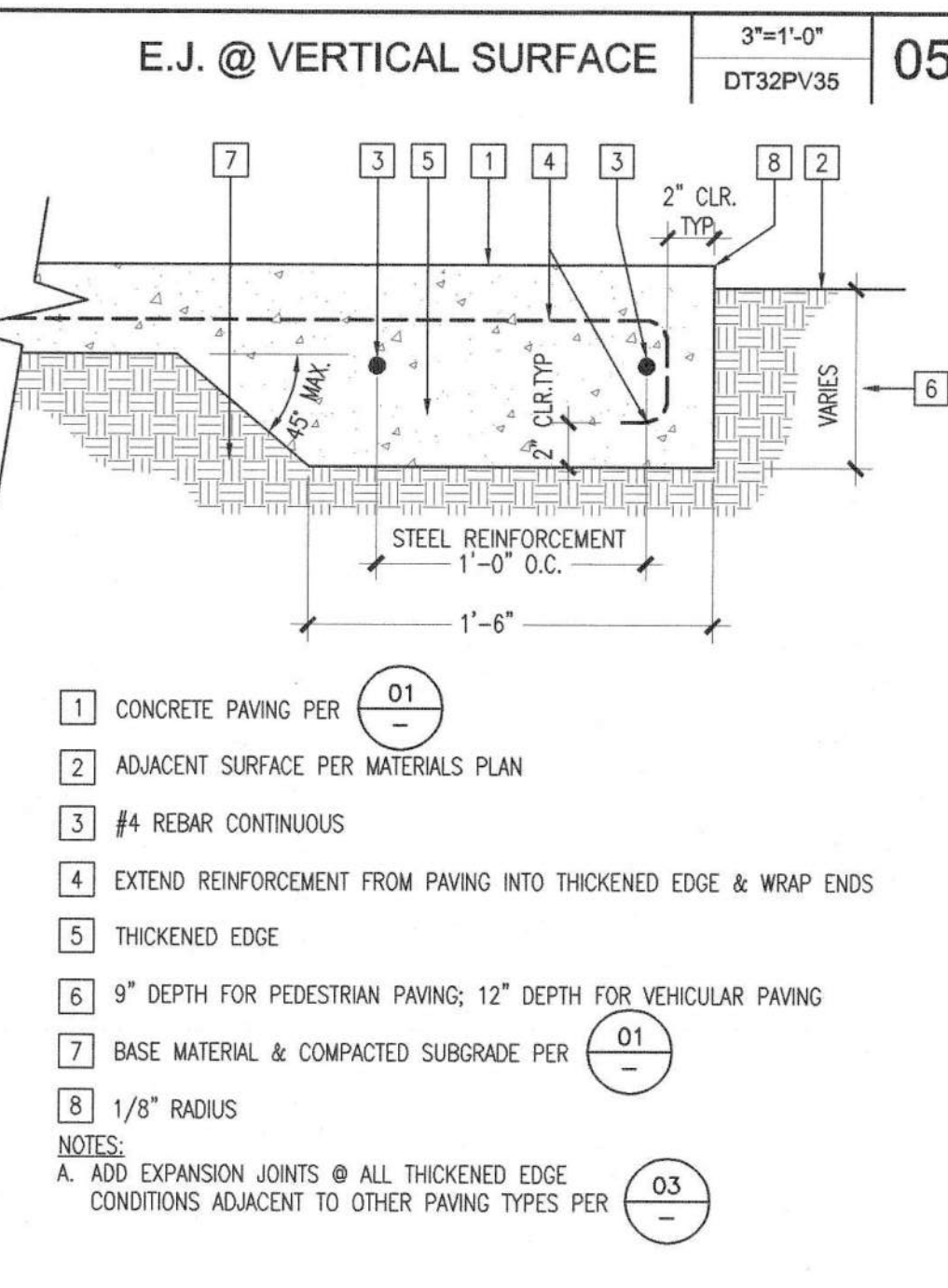
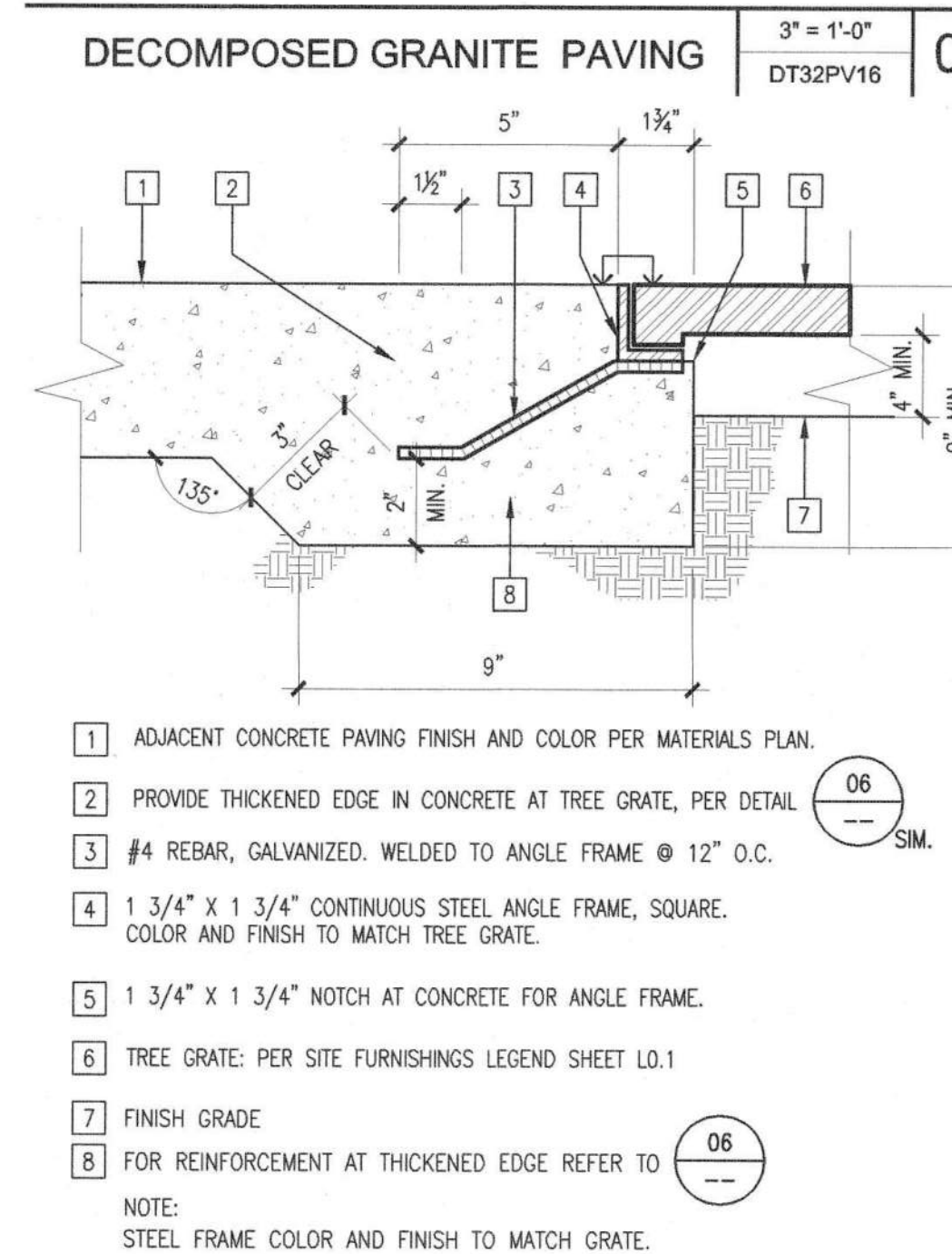
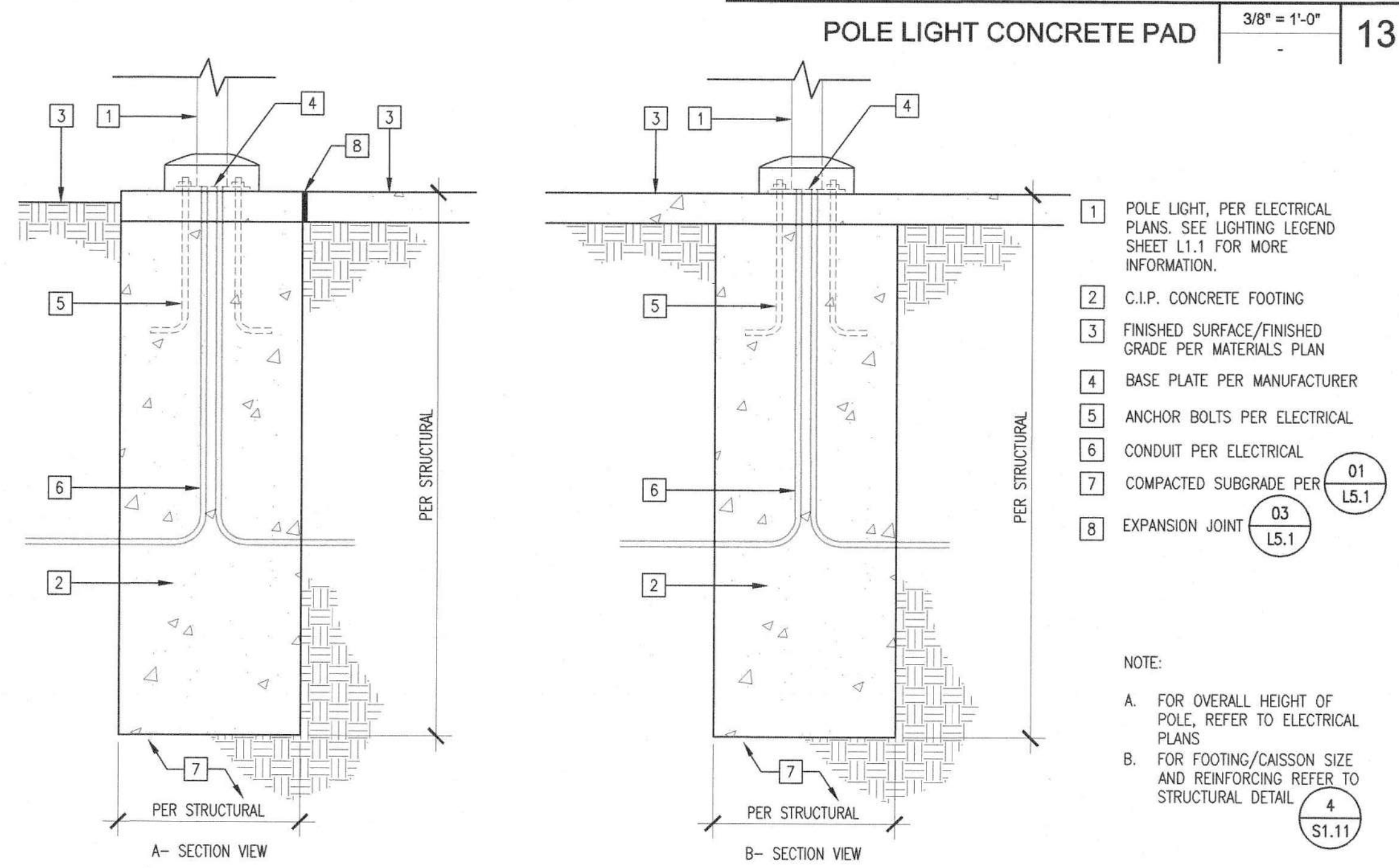
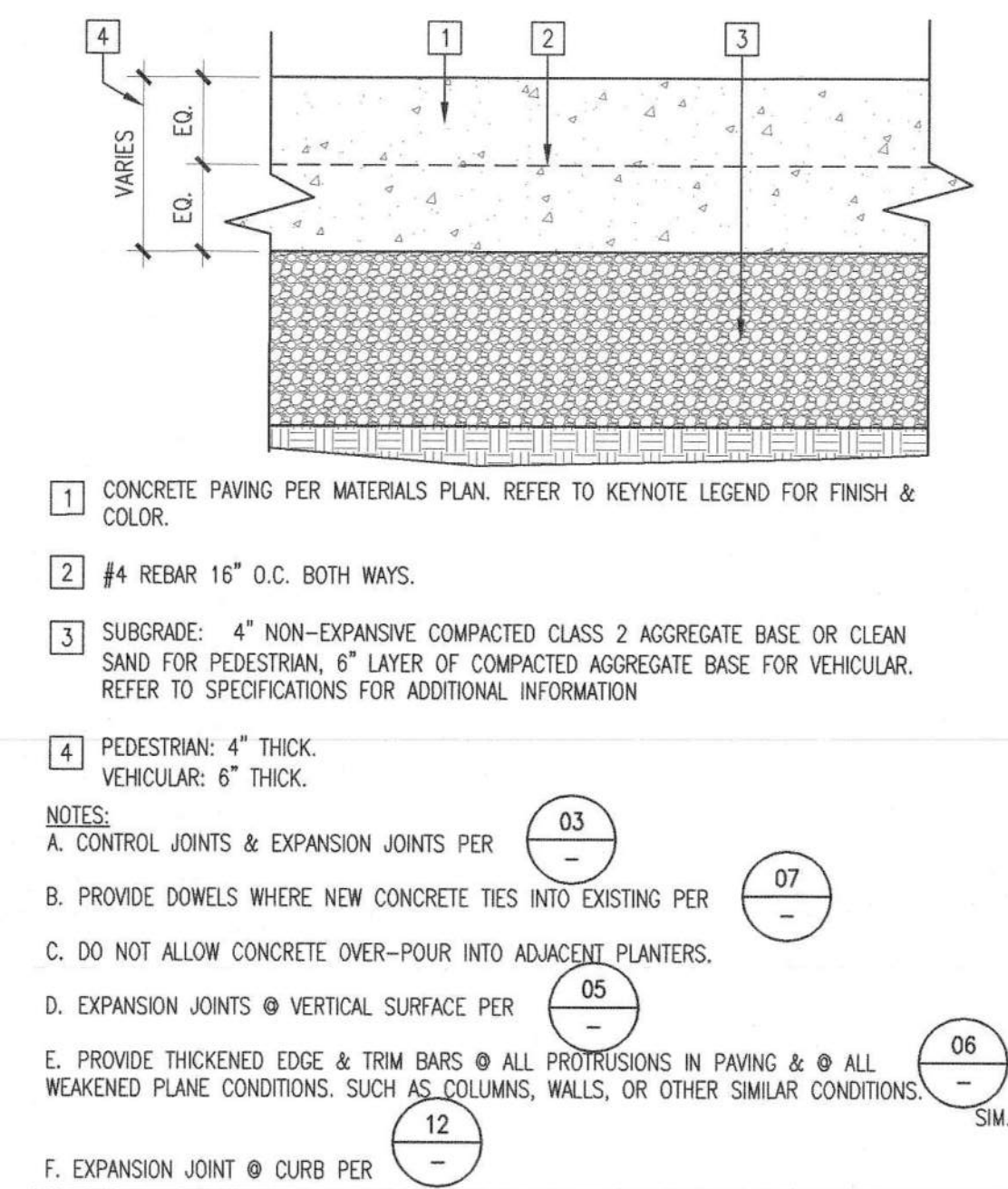
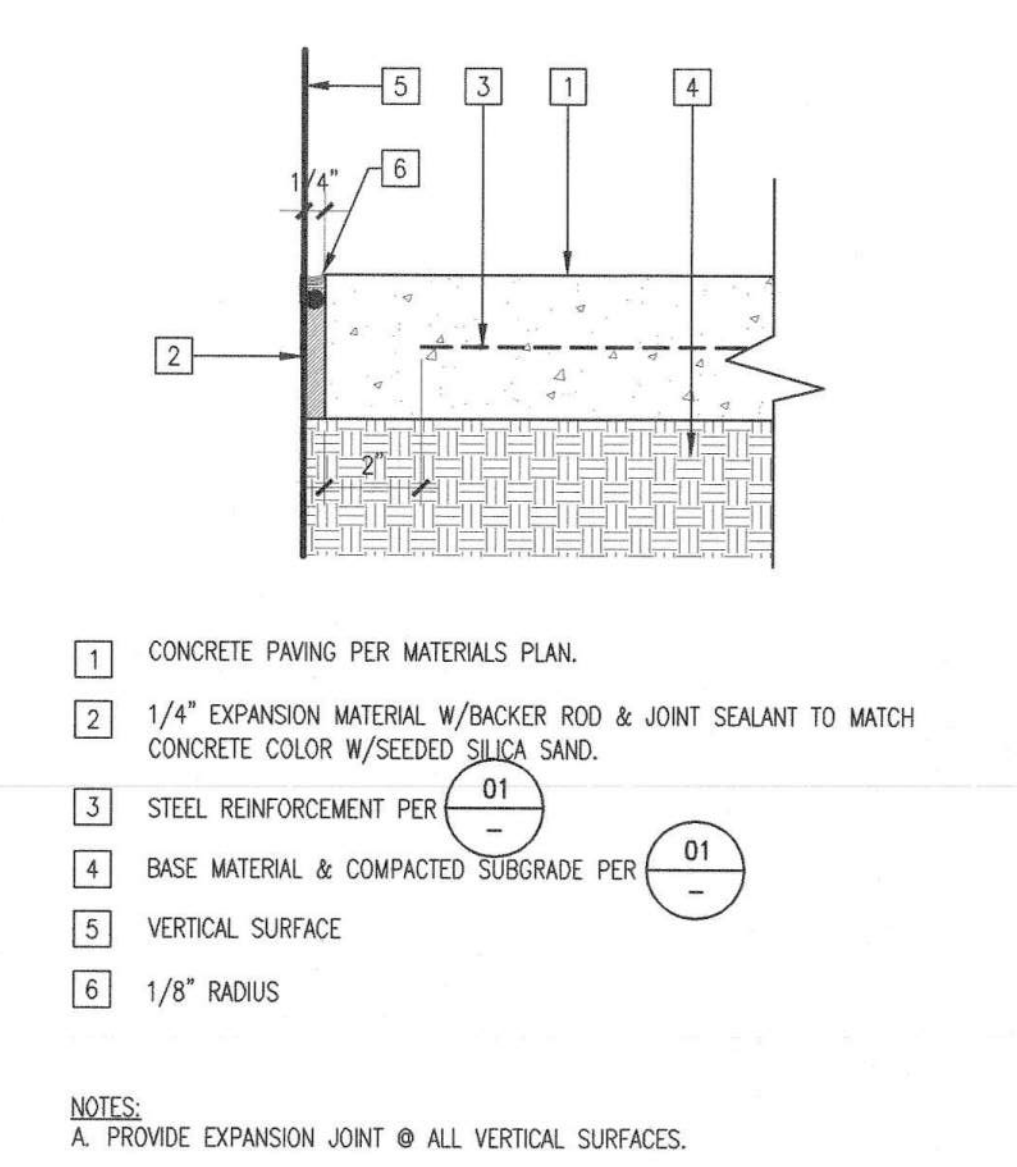
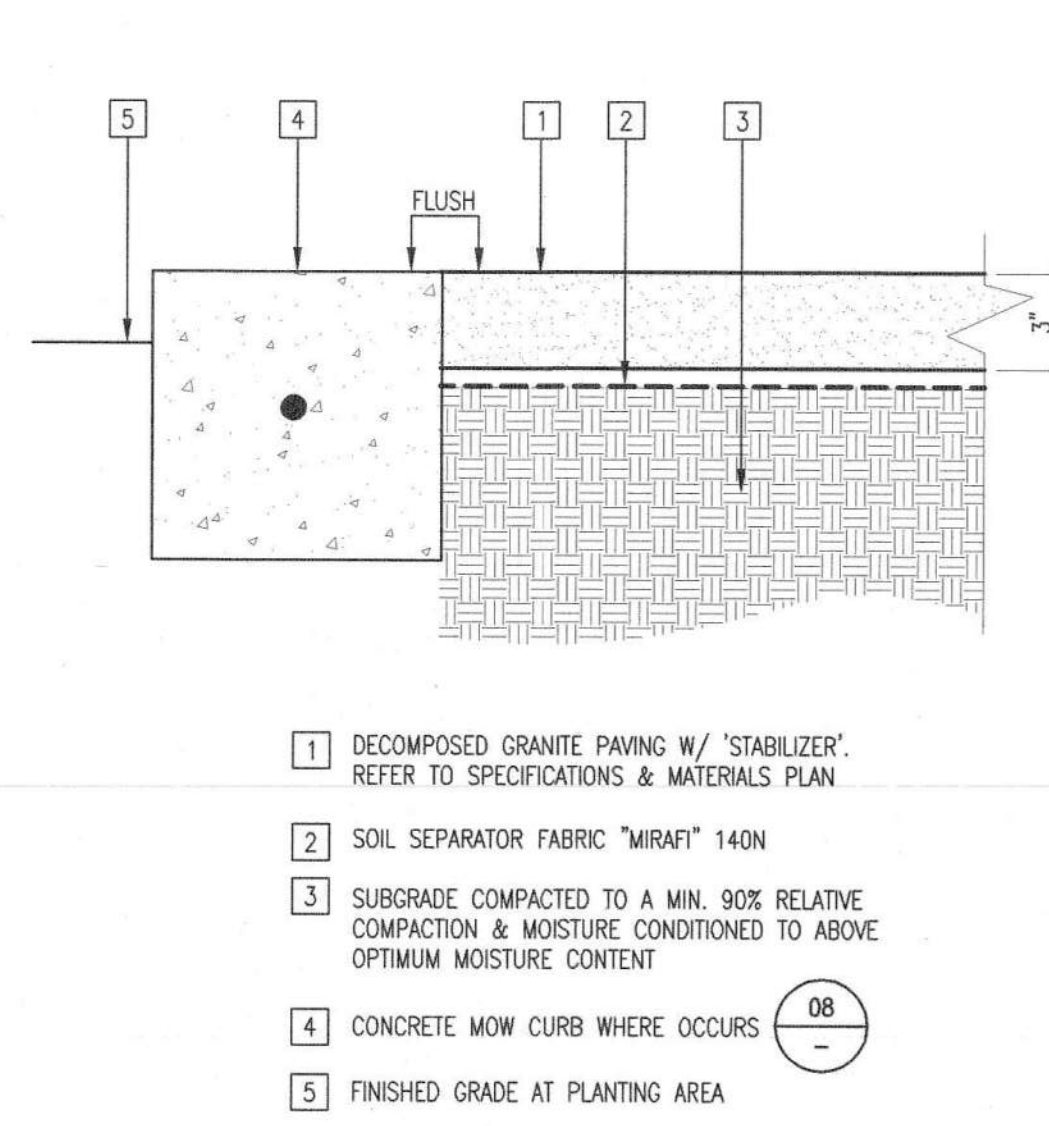
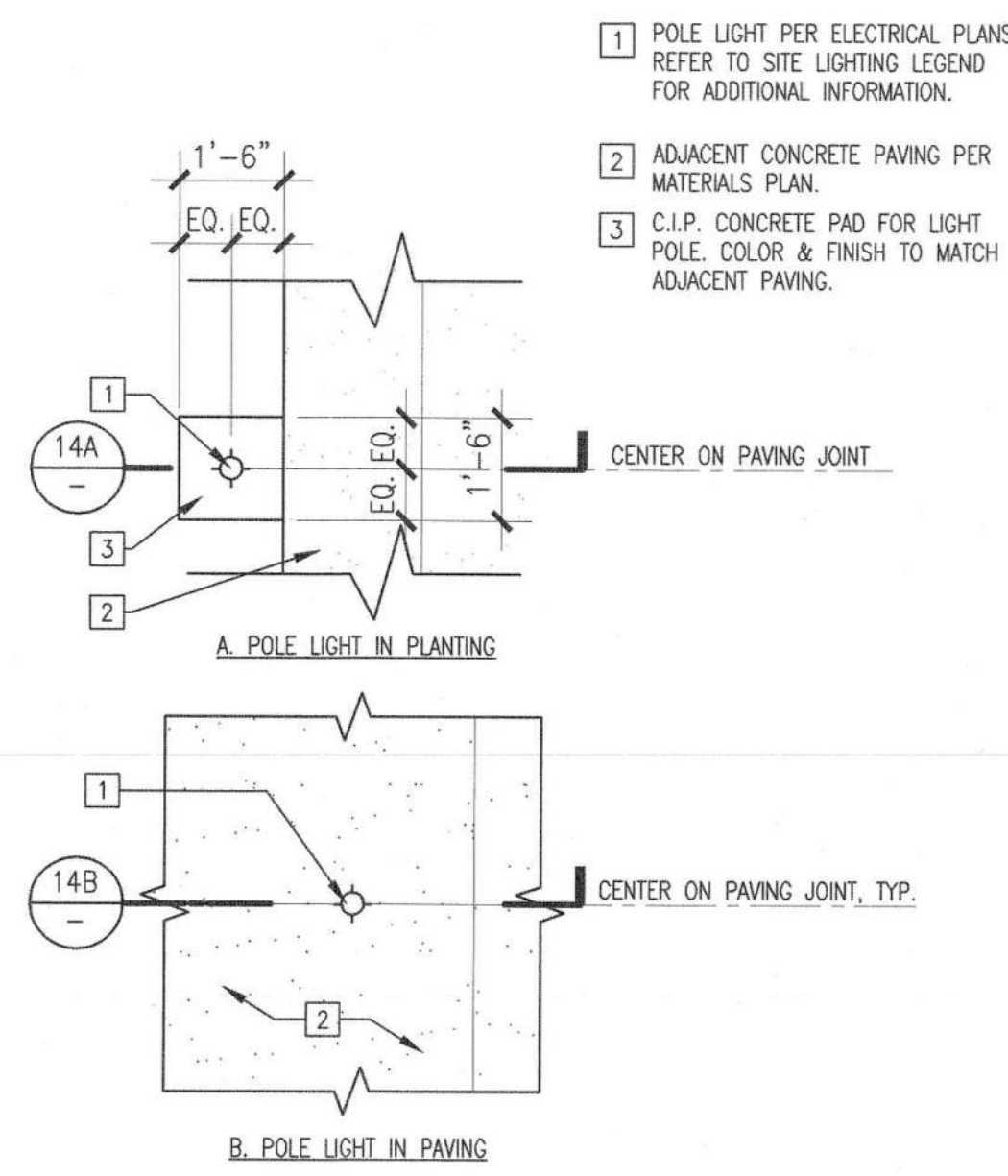
RAMP SECTION /ELEVATION 04

Date	Revision
03.13.2016	
05.12.2016	
06.15.2016	
07.27.2016	
08.12.2016	
03.09.2017	

Submittal	Date
100% SCHEMATIC DESIGN	03.13.2016
100% DESIGN DEVELOPMENT	05.12.2016
50% CONSTRUCTION DOCUMENT	06.15.2016
60% CONSTRUCTION DOCUMENTS	07.27.2016
65% CONSTRUCTION DOCUMENTS	08.12.2016
65% CONSTRUCTION DOCUMENTS	03.09.2017

Job. No.	1602010
Date	03.06.2017
Checked by	
Scale	1/4" = 1'-0"



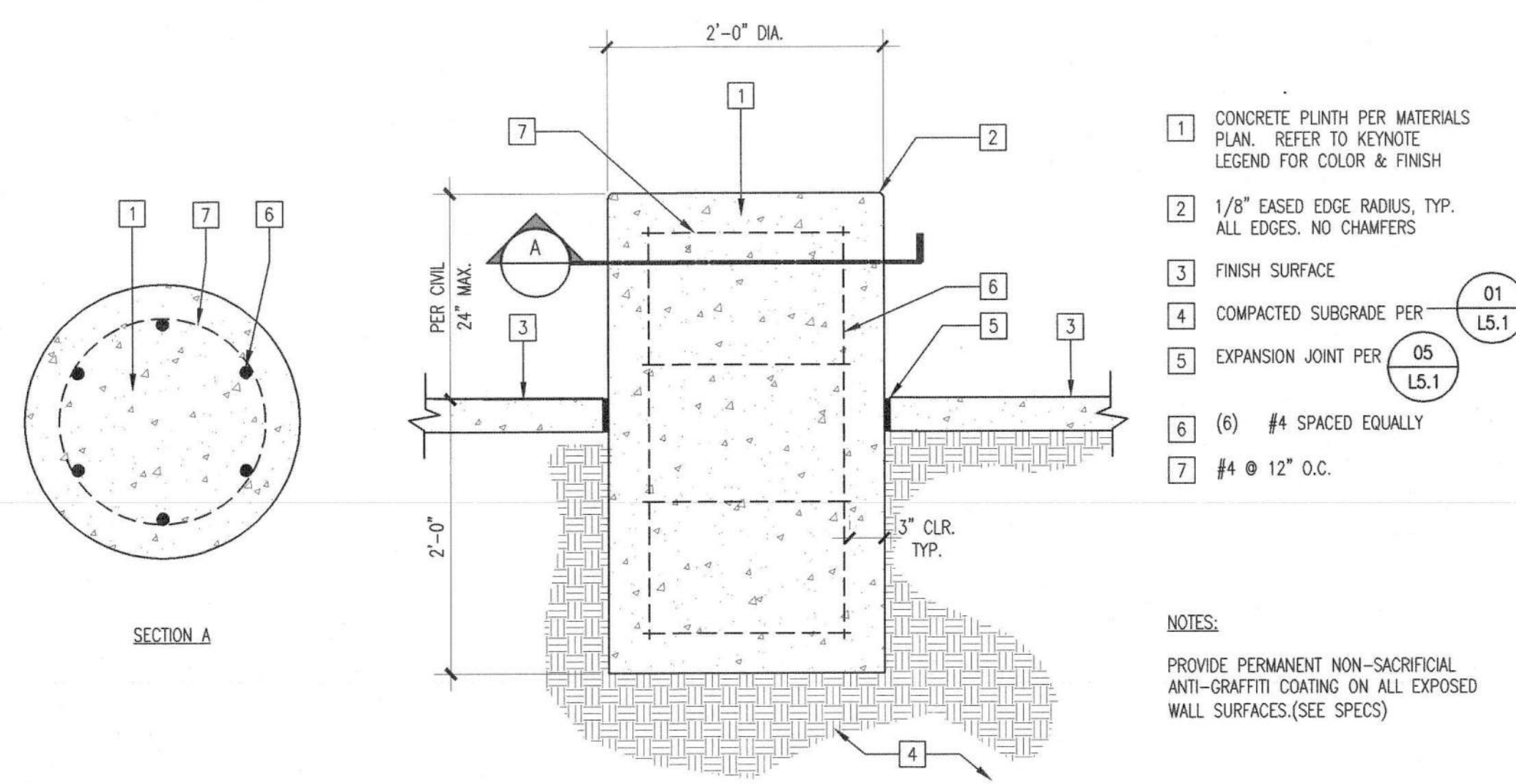


Date	Revision
03.15.2019	
05.17.2019	
06.15.2019	
07.27.2019	
08.12.2019	
03.08.2017	

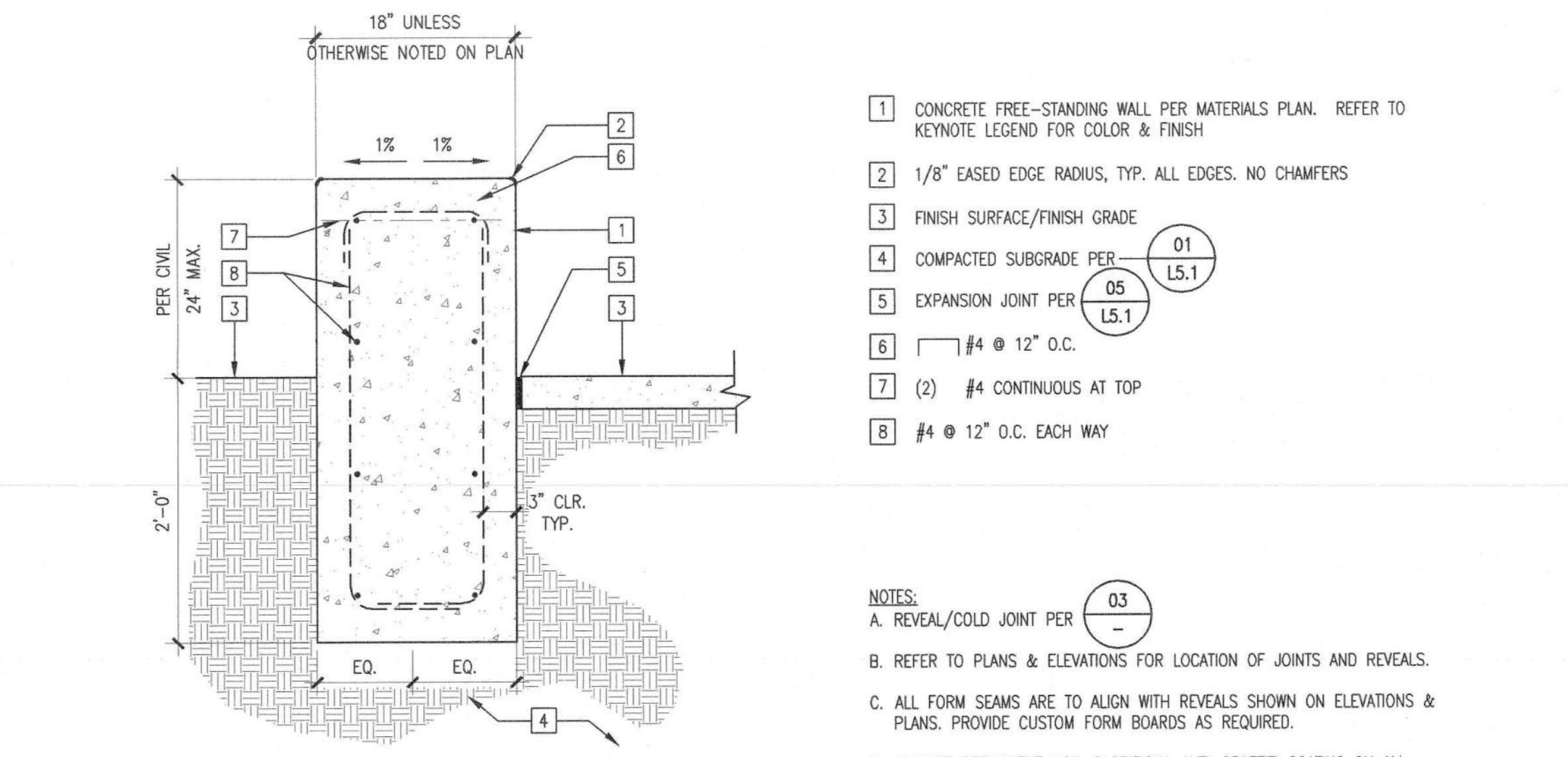
Submittal	Date	By	Reviewed
100% SCHEMATIC DESIGN	03.15.2019		
100% DESIGN DEVELOPMENT	05.17.2019		
50% CONSTRUCTION DOCUMENT	06.15.2019		
80% CONSTRUCTION DOCUMENTS	07.27.2019		
DSA SUBMITTAL	08.12.2019		
DSA APPROVAL	03.08.2017		

Job No.	1602010
Date	03.08.2017
Checked by	
Scale	AS SHOWN

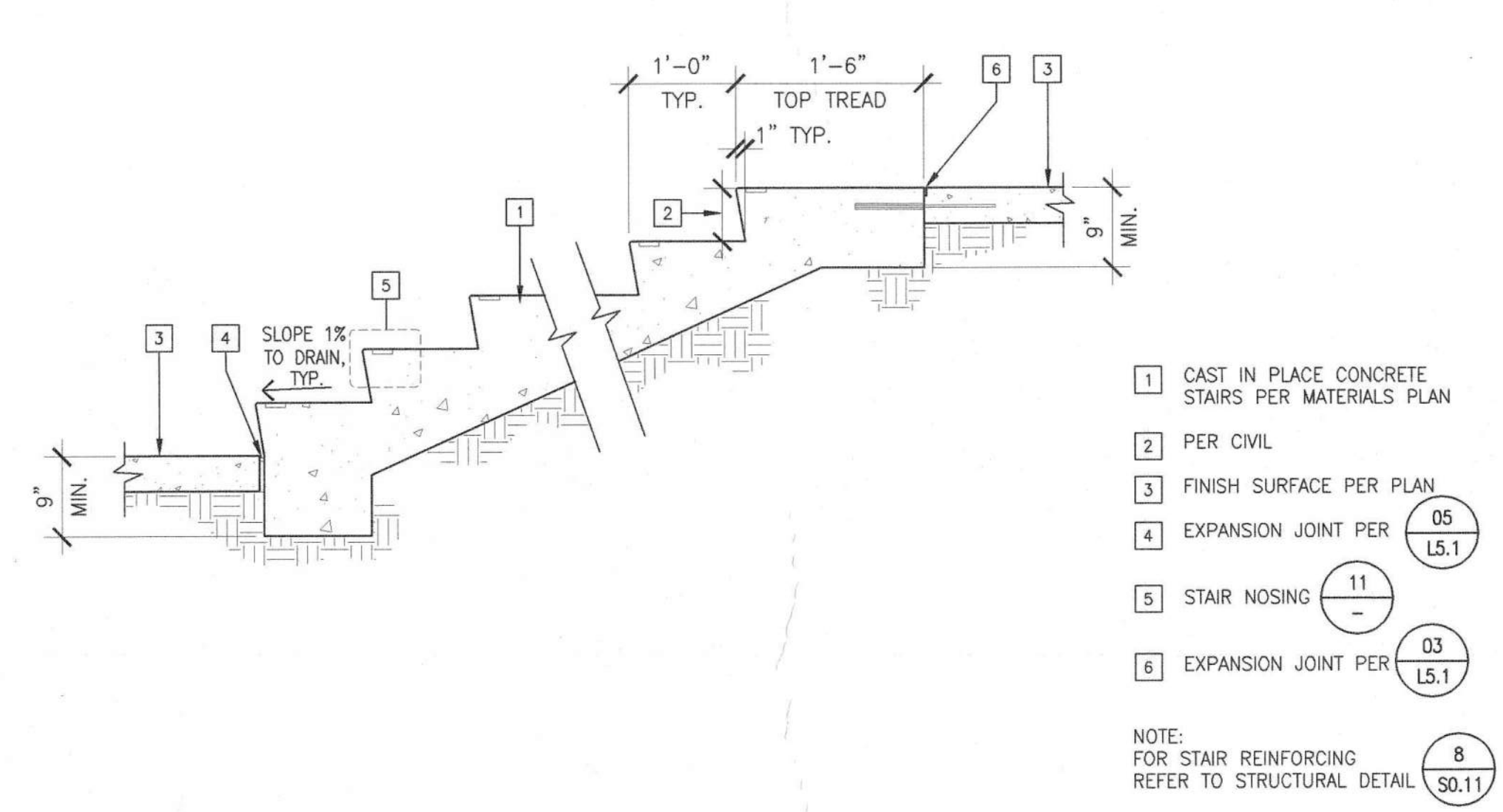




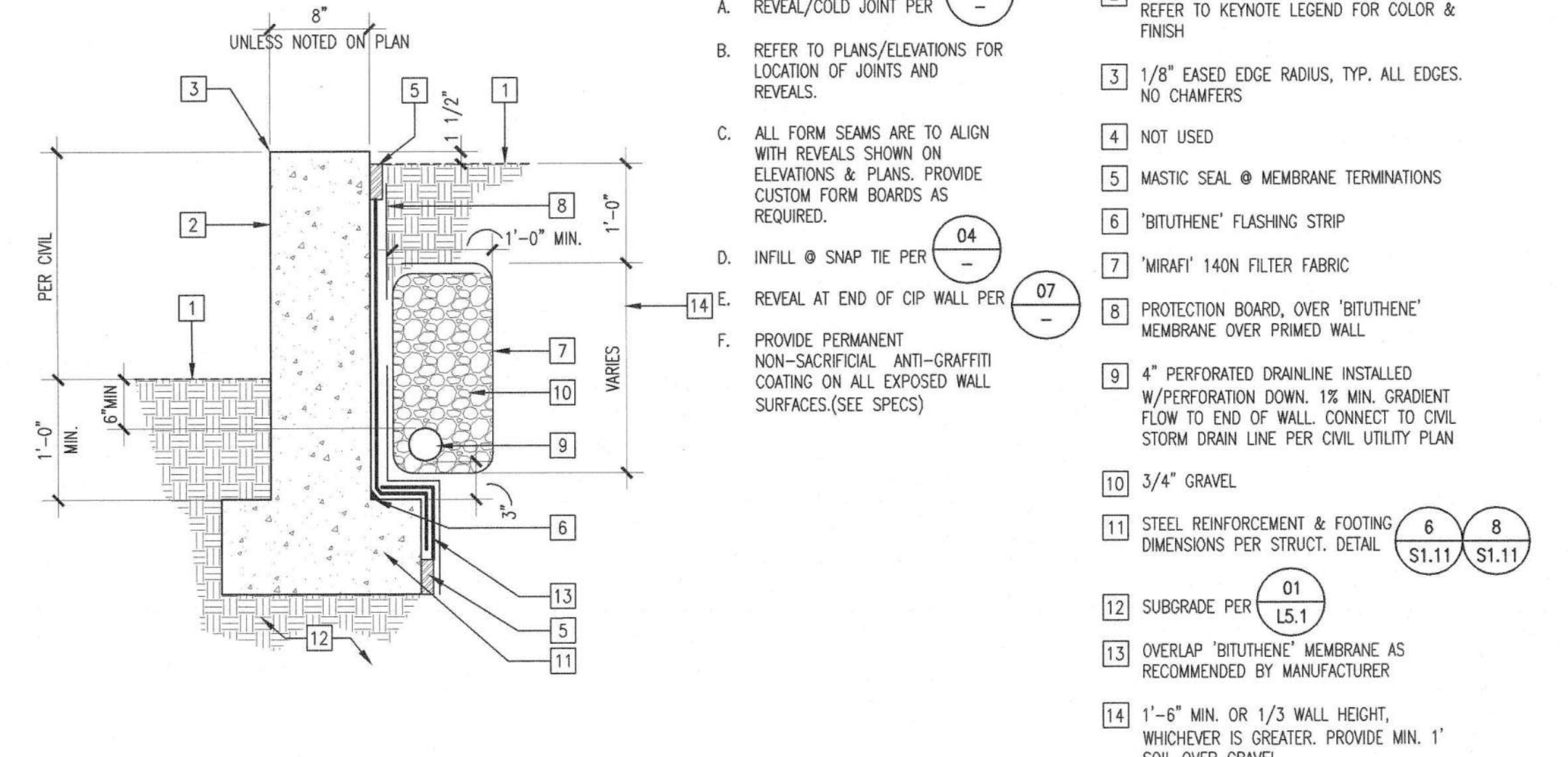
CONCRETE PLINTH 1" = 1'-0" DT32WD12 09



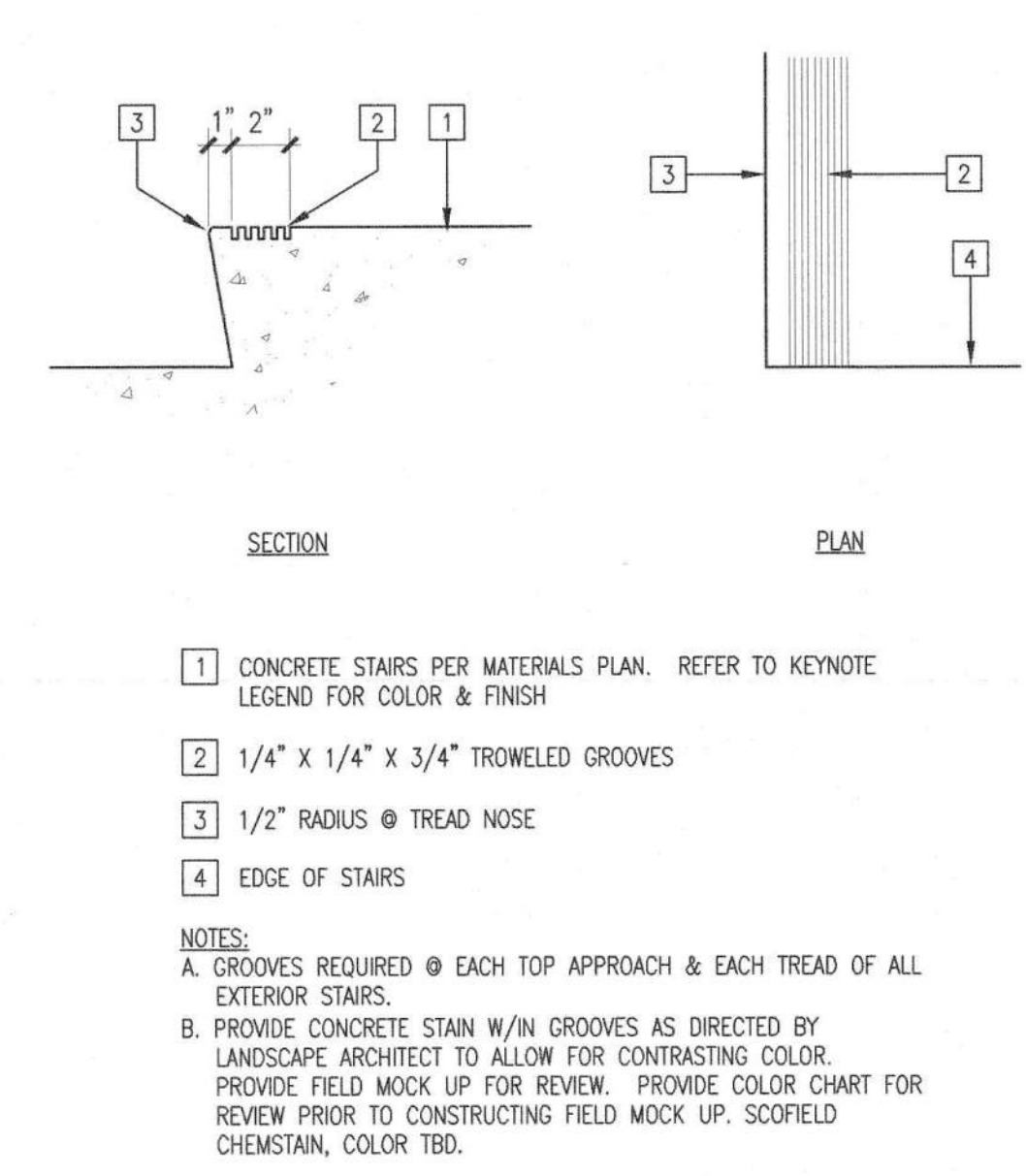
CONCRETE FREE-STANDING WALL 1" = 1'-0" DT32WD12 01



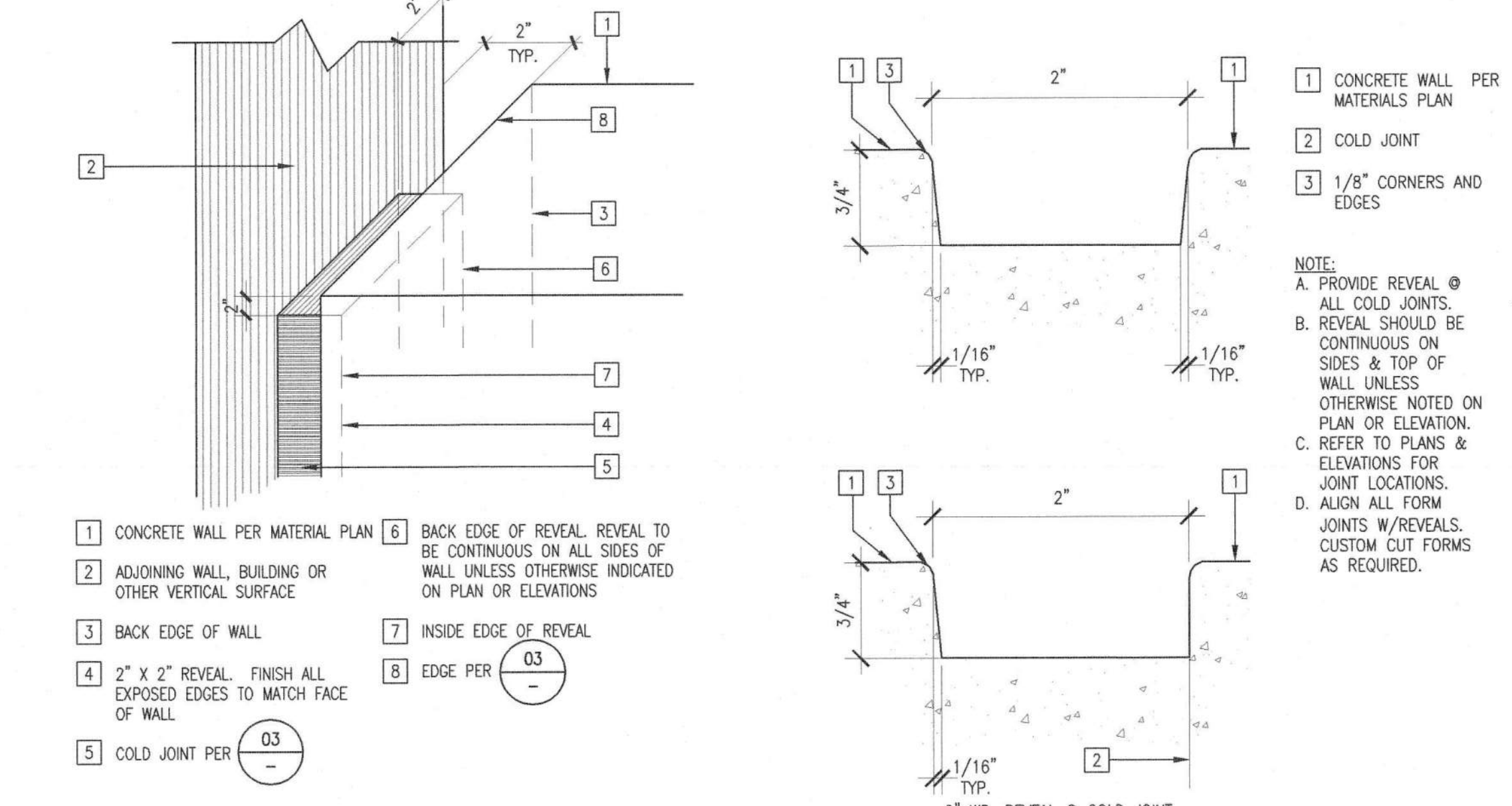
CONCRETE STAIRS 3/4" = 1'-0" DT32PV70 10



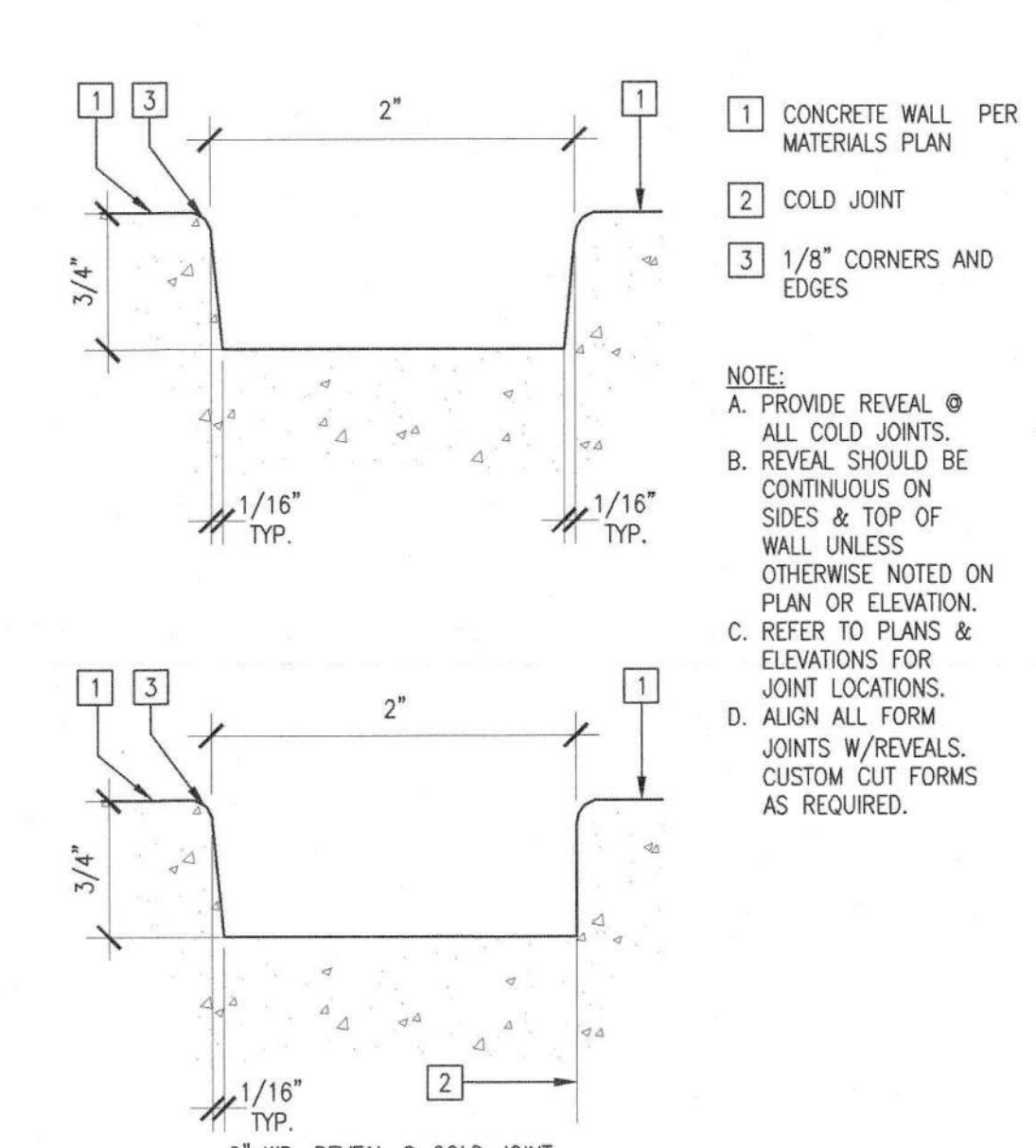
CONCRETE RETAINING WALL 3/4" = 1'-0" DT32WD10 02



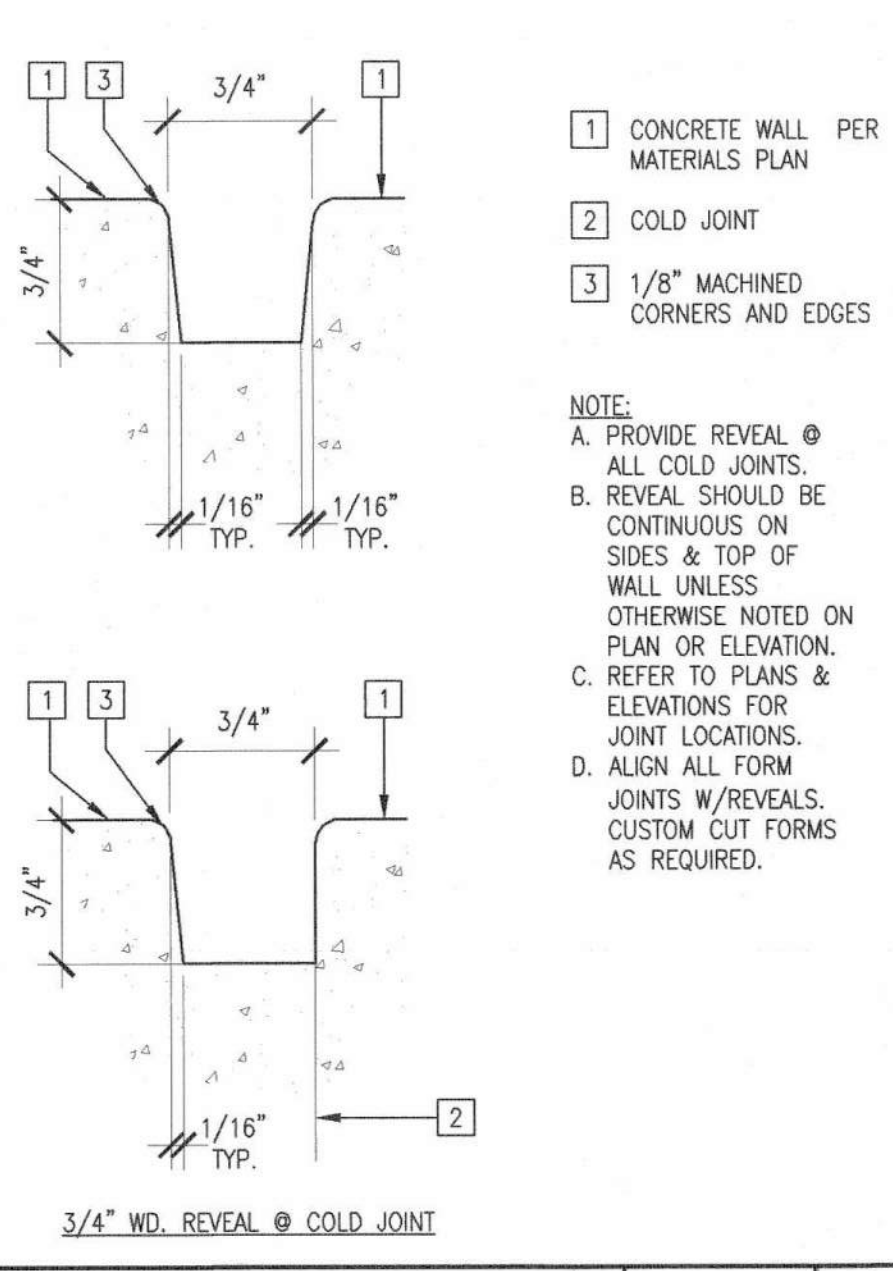
STAIR NOSING 1 1/2" = 1'-0" DT32PV50 11



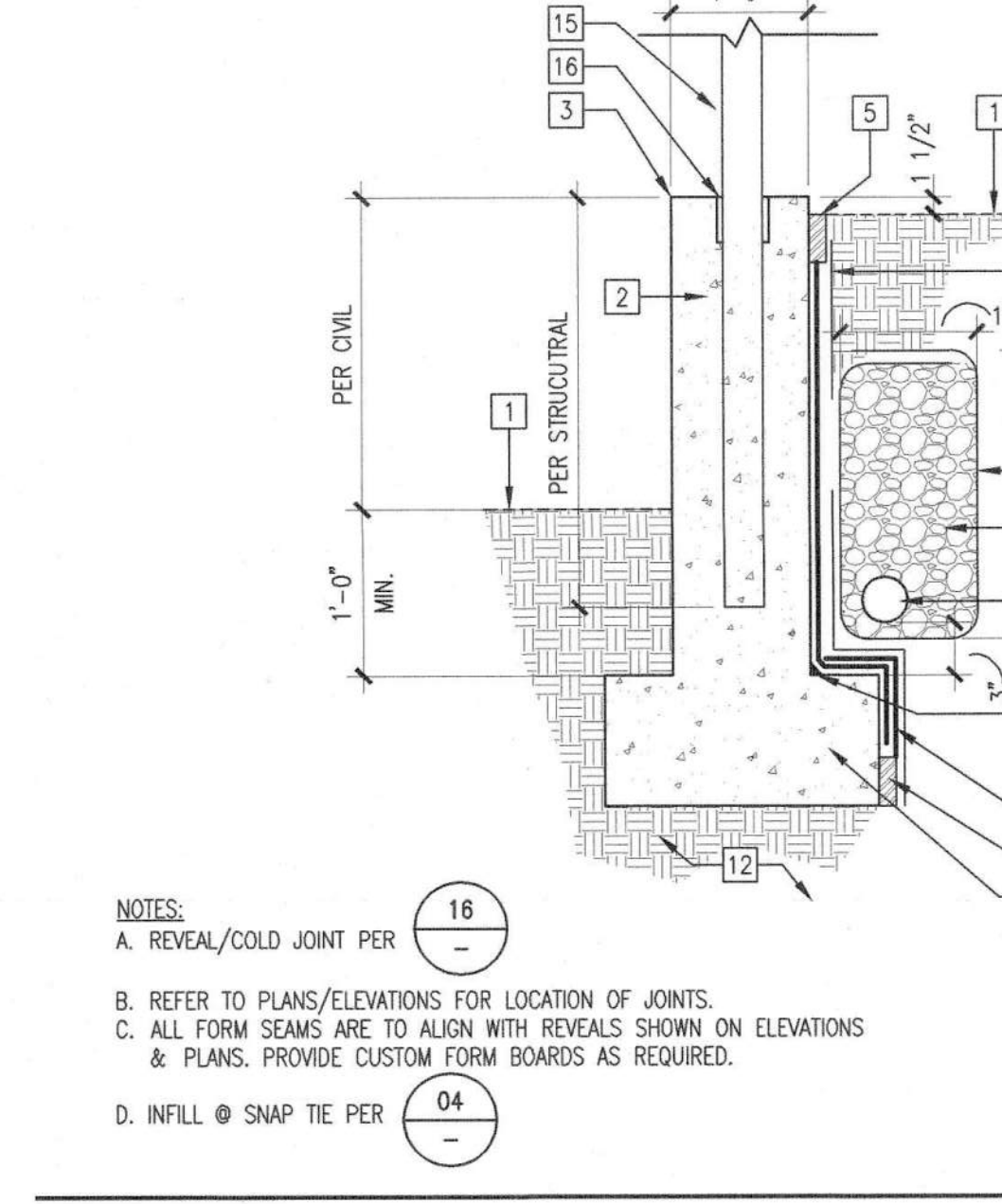
REVEAL AT END OF CIP WALL 3" = 1'-0" DT32WD48 07



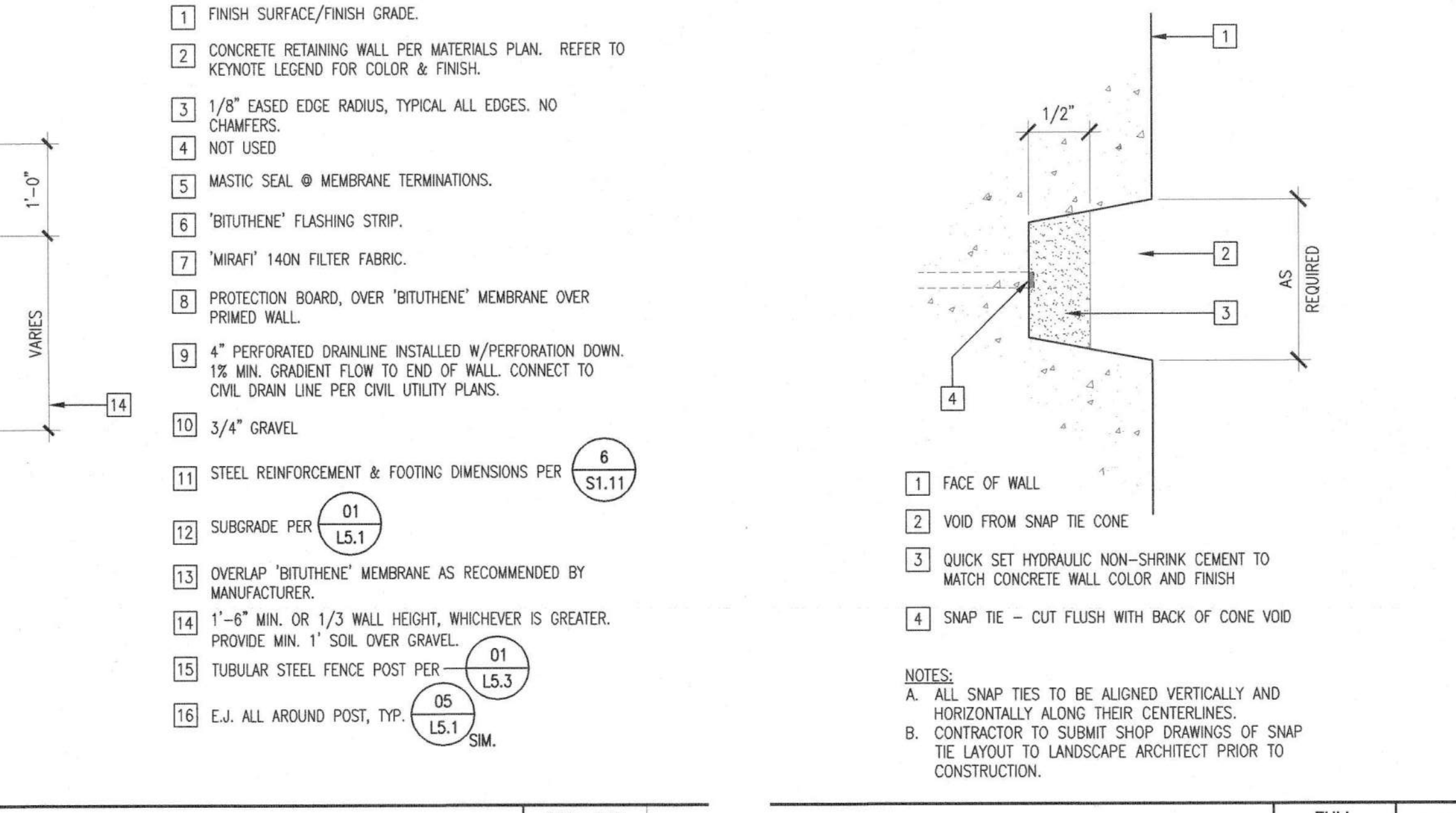
2" CONCRETE WALL REVEAL FULL DT32WD51 03



3/4" CONCRETE WALL REVEAL FULL DT32WD51 16



CONCRETE RETAINING WALL WITH TUBULAR STEEL FENCE 3/4" = 1'-0" SAME 08



INFILL AT SNAP TIE VOID FULL DT32WD52 04

Date	Revision
04/30/18	
06/12/18	
06/12/18	
07/27/18	
08/12/18	
08/20/18	

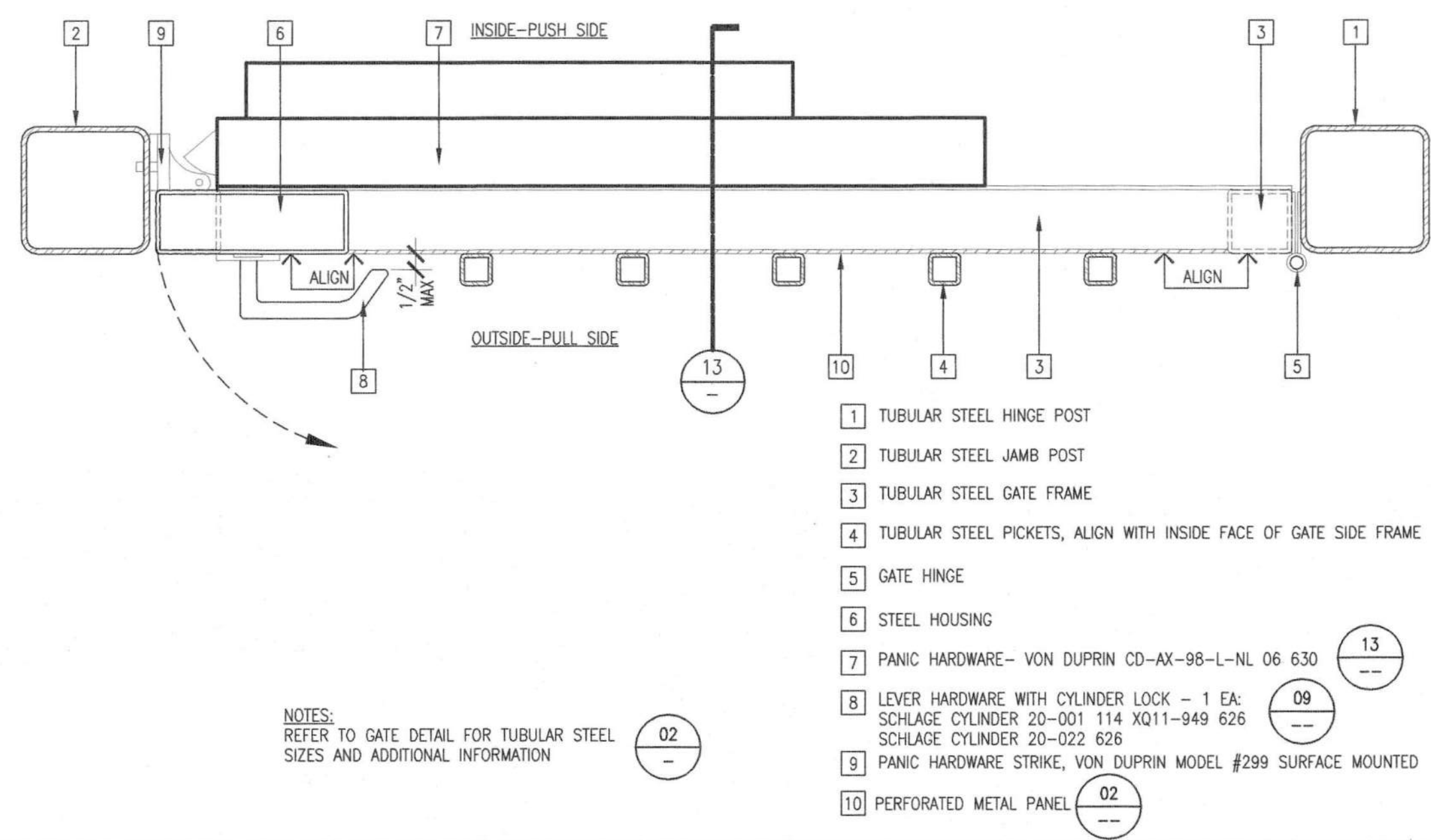
  

Submittal	Date	By	Check
100% SCHEMATIC DESIGN	04/30/18		
100% DESIGN DEVELOPMENT	06/12/18		
90% CONSTRUCTION DOCUMENTS	07/27/18		
100% SUBMITTALS	08/12/18		
100% APPROVAL	08/20/18		

Job No.	Date	Checked by	Scale
1602010	03.08.2017		AS SHOWN

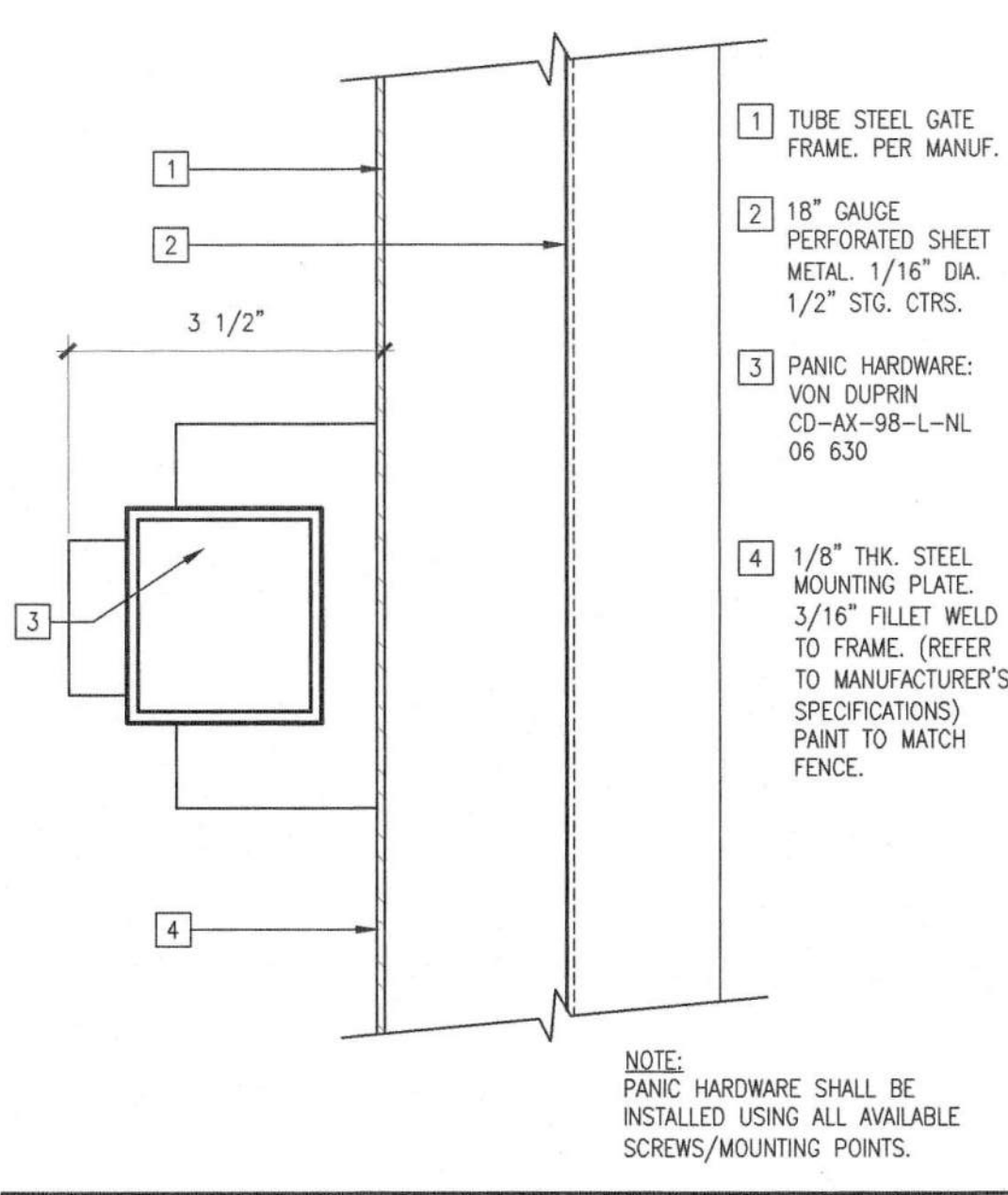




- 1 TUBULAR STEEL HINGE POST
- 2 TUBULAR STEEL JAMB POST
- 3 TUBULAR STEEL GATE FRAME
- 4 TUBULAR STEEL PICKETS, ALIGN WITH INSIDE FACE OF GATE SIDE FRAME
- 5 GATE HINGE
- 6 STEEL HOUSING
- 7 PANIC HARDWARE - VON DUPRIN CD-AX-98-L-NL 06 630
- 8 LEVER HARDWARE WITH CYLINDER LOCK - 1 EA. SCHLAGE CYLINDER 20-001 114 XQ11-949 626 SCHLAGE CYLINDER 20-022 626
- 9 PANIC HARDWARE STRIKE, VON DUPRIN MODEL #299 SURFACE MOUNTED
- 10 PERFORATED METAL PANEL

NOTES:  
REFER TO GATE DETAIL FOR TUBULAR STEEL SIZES AND ADDITIONAL INFORMATION

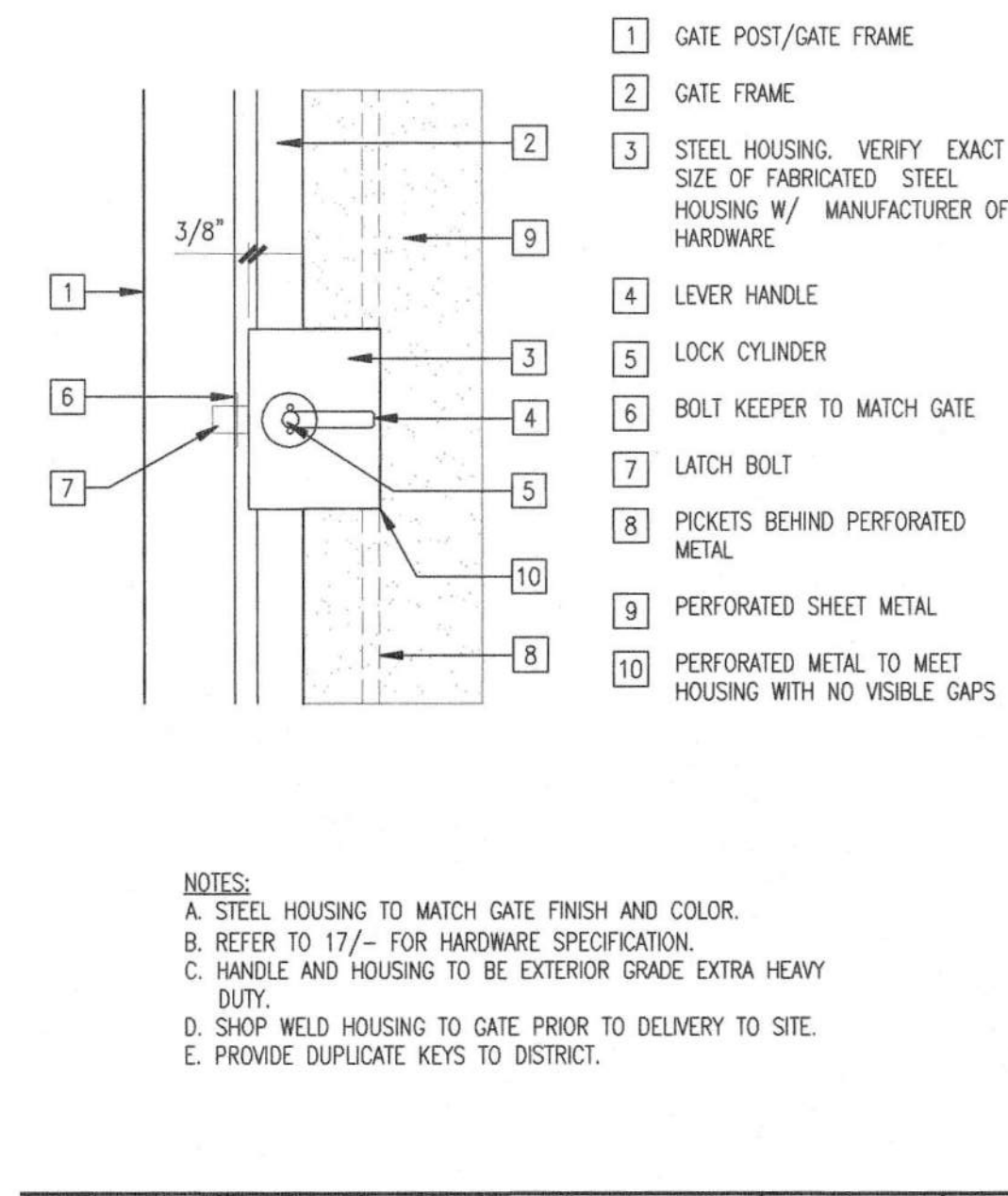
GATE SECTION 3" = 1'-0" SAME 17



- 1 TUBE STEEL GATE FRAME, PER MANUF.
- 2 18" GAUGE PERFORATED SHEET METAL, 1/16" DIA. 1/2" STG. CRTS.
- 3 PANIC HARDWARE: VON DUPRIN CD-AX-98-L-NL 06 630
- 4 1/8" THK. STEEL MOUNTING PLATE, 3/16" FILLET WELD TO FRAME. (REFER TO MANUFACTURER'S SPECIFICATIONS) PAINT TO MATCH FENCE.

NOTE:  
PANIC HARDWARE SHALL BE INSTALLED USING ALL AVAILABLE SCREWS/MOUNTING POINTS.

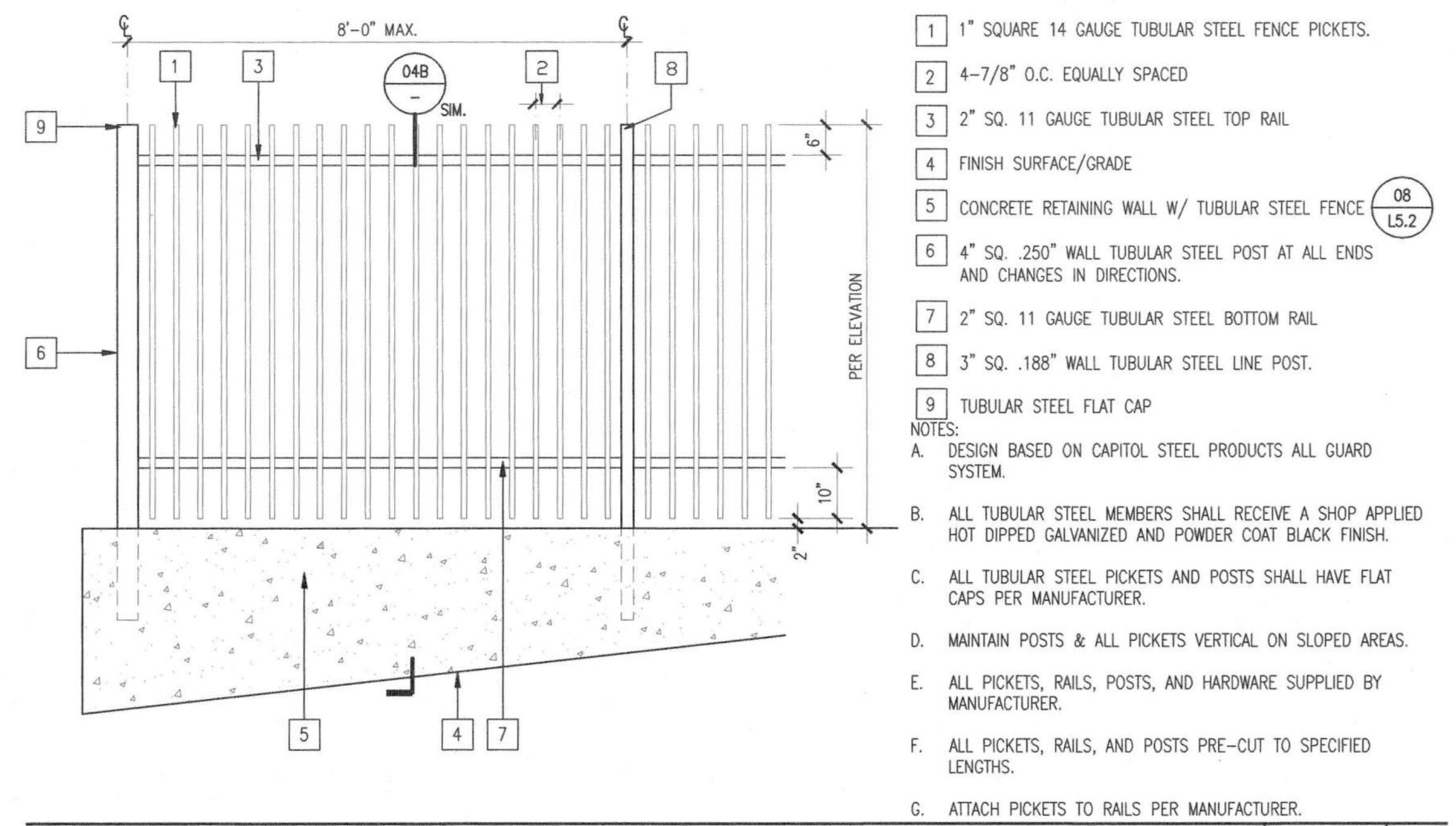
GATE PANIC HARDWARE 6" = 1'-0" SAME 13



- 1 GATE POST/GATE FRAME
- 2 GATE FRAME
- 3 STEEL HOUSING, VERIFY EXACT SIZE OF FABRICATED STEEL HOUSING W/ MANUFACTURER OF HARDWARE
- 4 LEVER HANDLE
- 5 LOCK CYLINDER
- 6 BOLT KEEPER TO MATCH GATE
- 7 LATCH BOLT
- 8 PICKETS BEHIND PERFORATED METAL
- 9 PERFORATED SHEET METAL
- 10 PERFORATED METAL TO MEET HOUSING WITH NO VISIBLE GAPS

NOTES:  
A. STEEL HOUSING TO MATCH GATE FINISH AND COLOR.  
B. REFER TO 17- FOR HARDWARE SPECIFICATION.  
C. HANDLE AND HOUSING TO BE EXTERIOR GRADE EXTRA HEAVY DUTY.  
D. SHOP WELD HOUSING TO GATE PRIOR TO DELIVERY TO SITE.  
E. PROVIDE DUPLICATE KEYS TO DISTRICT.

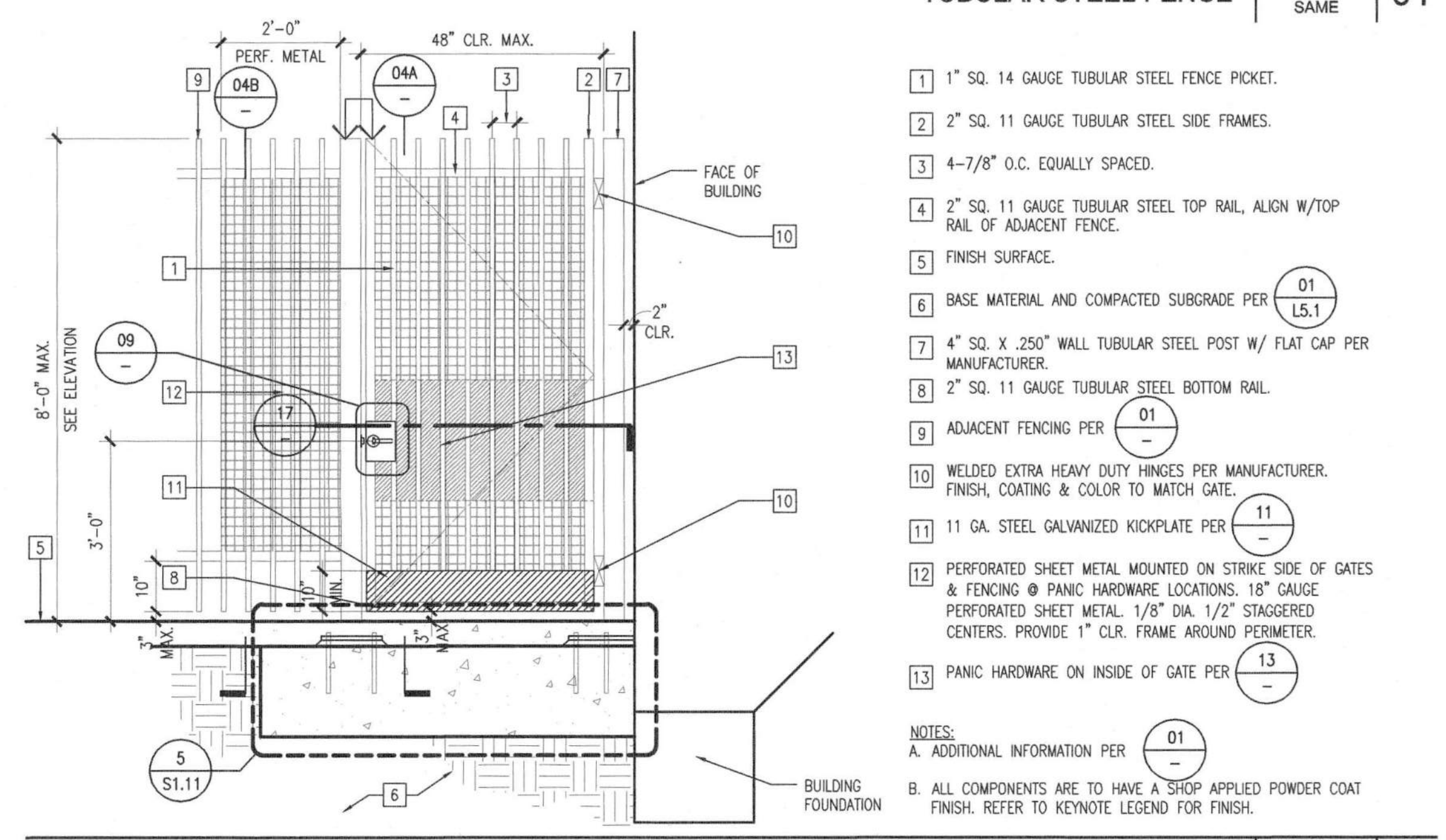
MORTISE LOCK W/ PANIC HARDWARE 1 1/2" = 1'-0" DT32FE70 09



- 1 1" SQUARE 14 GAUGE TUBULAR STEEL FENCE PICKETS.
- 2 4-7/8" O.C. EQUALLY SPACED
- 3 2" SQ. 11 GAUGE TUBULAR STEEL TOP RAIL
- 4 FINISH SURFACE/GRADE
- 5 CONCRETE RETAINING WALL W/ TUBULAR STEEL FENCE
- 6 4" SQ. .250" WALL TUBULAR STEEL POST AT ALL ENDS AND CHANGES IN DIRECTIONS.
- 7 2" SQ. 11 GAUGE TUBULAR STEEL BOTTOM RAIL
- 8 3" SQ. .188" WALL TUBULAR STEEL LINE POST.
- 9 TUBULAR STEEL FLAT CAP

NOTES:  
A. DESIGN BASED ON CAPITOL STEEL PRODUCTS ALL GUARD SYSTEM.  
B. ALL TUBULAR STEEL MEMBERS SHALL RECEIVE A SHOP APPLIED HOT DIPPED GALVANIZED AND POWDER COAT BLACK FINISH.  
C. ALL TUBULAR STEEL PICKETS AND POSTS SHALL HAVE FLAT CAPS PER MANUFACTURER.  
D. MAINTAIN POSTS & ALL PICKETS VERTICAL ON SLOPED AREAS.  
E. ALL PICKETS, RAILS, POSTS, AND HARDWARE SUPPLIED BY MANUFACTURER.  
F. ALL PICKETS, RAILS, AND POSTS PRE-CUT TO SPECIFIED LENGTHS.  
G. ATTACH PICKETS TO RAILS PER MANUFACTURER.

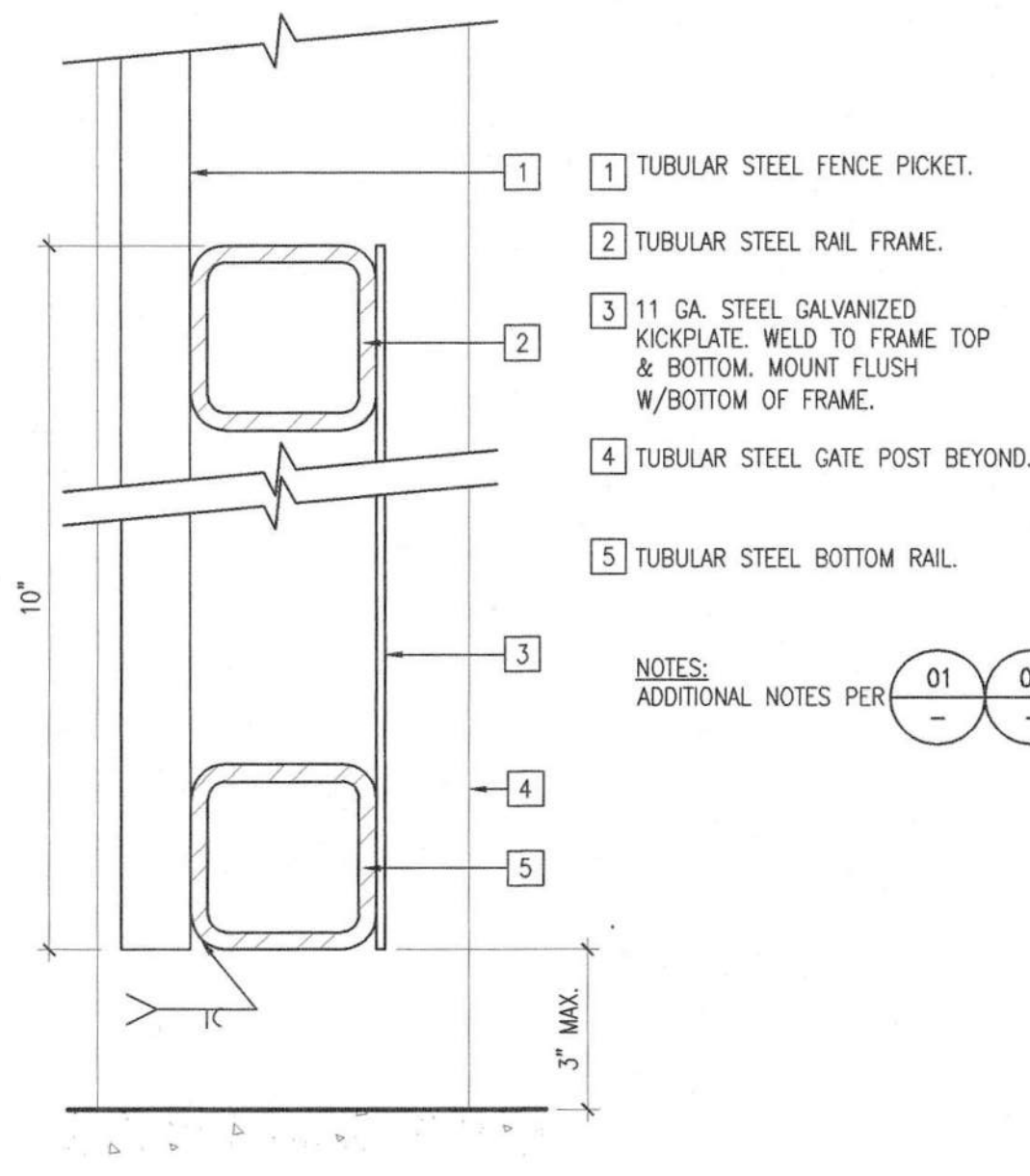
TUBULAR STEEL FENCE 1/2" = 1'-0" SAME 01



- 1 1" SQ. 14 GAUGE TUBULAR STEEL FENCE PICKET.
- 2 2" SQ. 11 GAUGE TUBULAR STEEL SIDE FRAMES.
- 3 4-7/8" O.C. EQUALLY SPACED.
- 4 2" SQ. 11 GAUGE TUBULAR STEEL TOP RAIL, ALIGN W/TOP RAIL OF ADJACENT FENCE.
- 5 FINISH SURFACE.
- 6 BASE MATERIAL AND COMPACTED SUBGRADE PER 01 15.1
- 7 4" SQ. X .250" WALL TUBULAR STEEL POST W/ FLAT CAP PER MANUFACTURER.
- 8 2" SQ. 11 GAUGE TUBULAR STEEL BOTTOM RAIL
- 9 ADJACENT FENCING PER 01
- 10 WELDED EXTRA HEAVY DUTY HINGES PER MANUFACTURER. FINISH COATING & COLOR TO MATCH GATE.
- 11 11 GA. STEEL GALVANIZED KICKPLATE PER 11
- 12 PERFORATED SHEET METAL MOUNTED ON STRIKE SIDE OF GATES & FENCING @ PANIC HARDWARE LOCATIONS. 18" GAUGE PERFORATED SHEET METAL, 1/8" DIA. 1/2" STAGGERED CENTERS. PROVIDE 1" CLR. FRAME AROUND PERIMETER.
- 13 PANIC HARDWARE ON INSIDE OF GATE PER 13

NOTES:  
A. ADDITIONAL INFORMATION PER 01  
B. ALL COMPONENTS ARE TO HAVE A SHOP APPLIED POWDER COAT FINISH. REFER TO KEYNOTE LEGEND FOR FINISH.

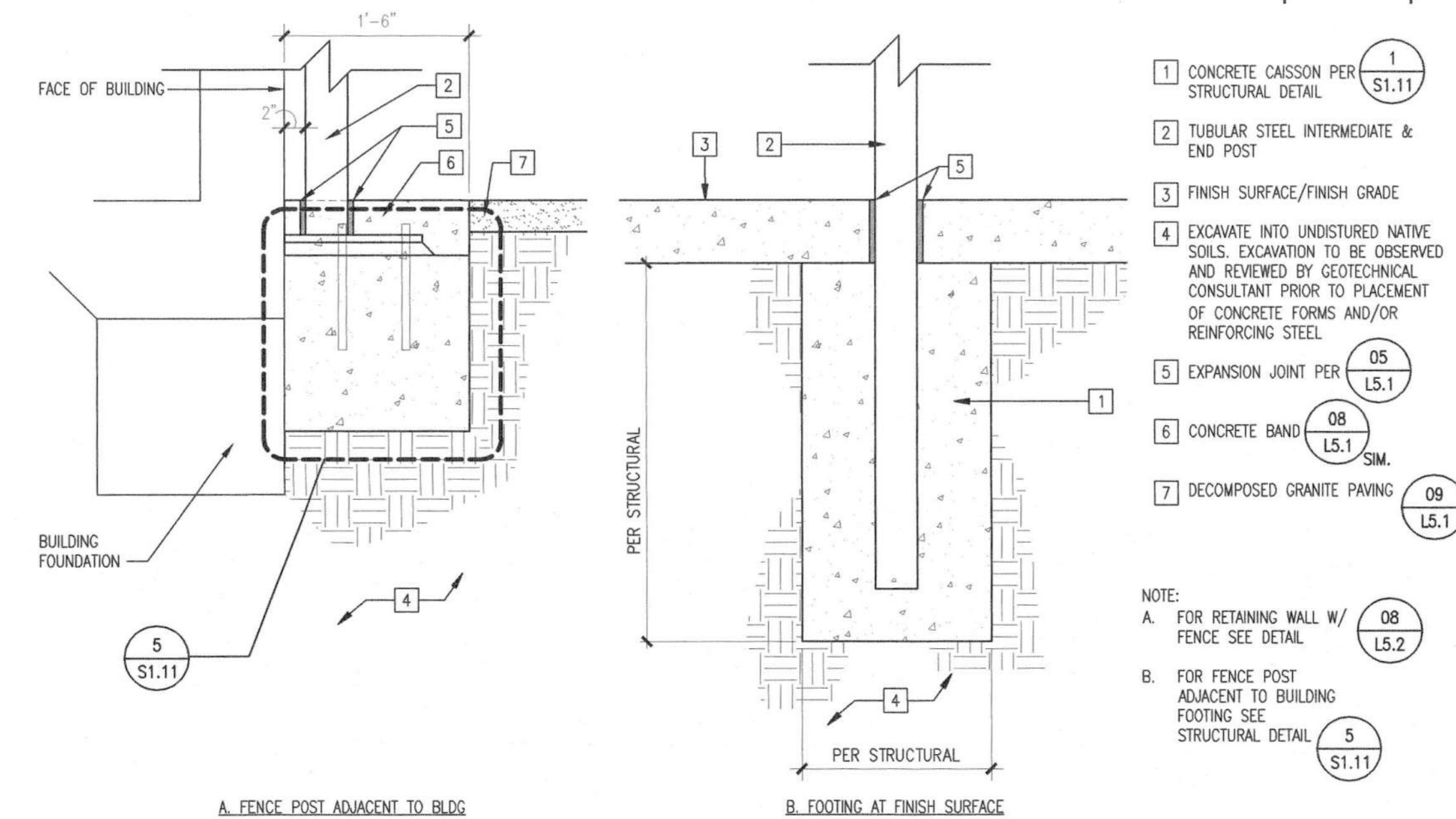
TUBULAR STEEL SINGLE PEDESTRIAN GATE W/ SINGLE PANIC HARDWARE 1/2" = 1'-0" 02



- 1 TUBULAR STEEL FENCE PICKET.
- 2 TUBULAR STEEL RAIL FRAME.
- 3 11 GA. STEEL GALVANIZED KICKPLATE, WELD TO FRAME TOP & BOTTOM. MOUNT FLUSH W/BOTTOM OF FRAME.
- 4 TUBULAR STEEL GATE POST BEYOND.
- 5 TUBULAR STEEL BOTTOM RAIL.

NOTES:  
ADDITIONAL NOTES PER 01 02

GATE KICK PLATE 6" = 1'-0" 11

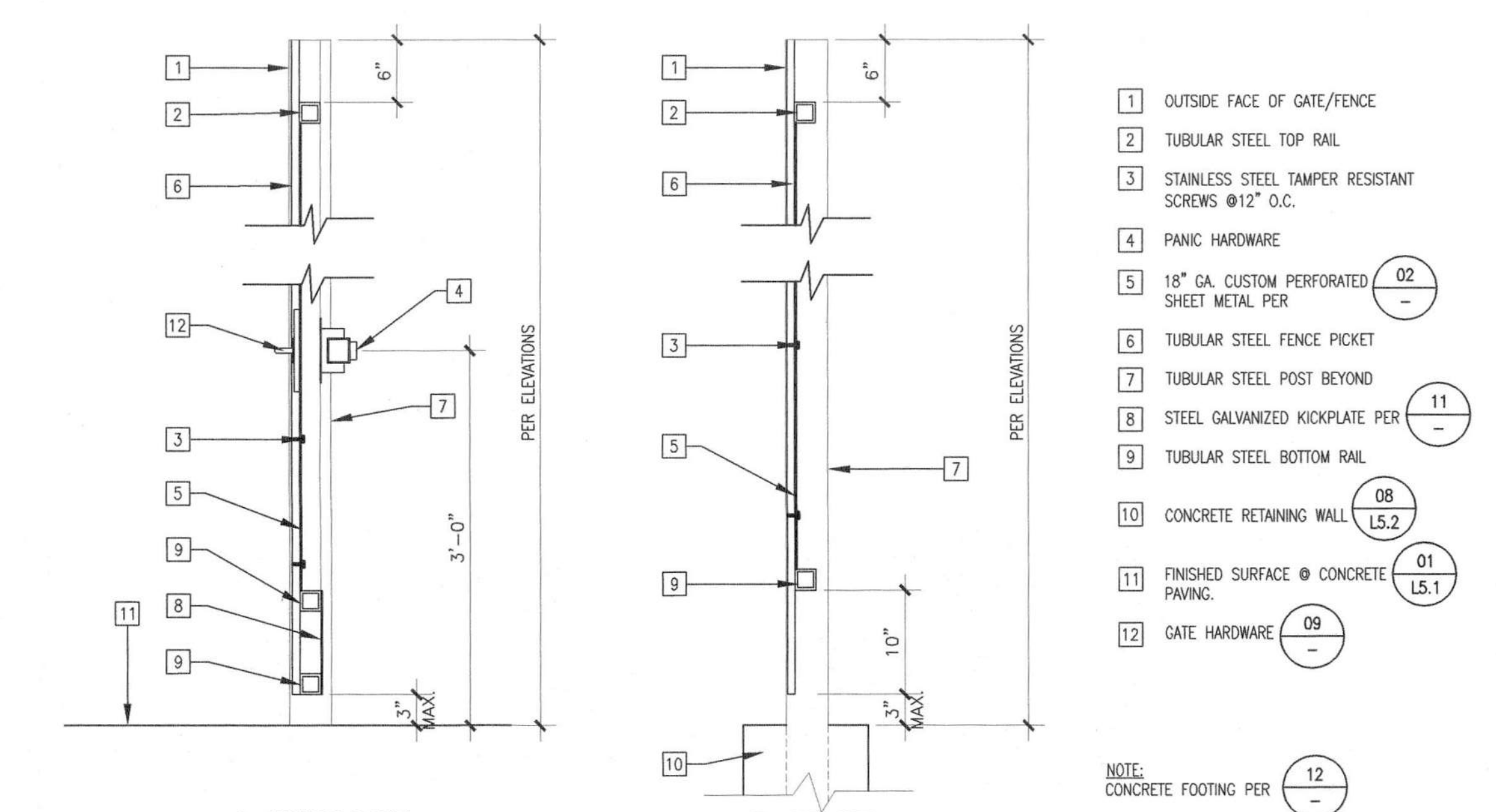


- 1 CONCRETE CAISSON PER STRUCTURAL DETAIL
- 2 TUBULAR STEEL INTERMEDIATE & END POST
- 3 FINISH SURFACE/FINISH GRADE
- 4 EXCAVATE INTO UNDISTURBED NATIVE SOILS. EXCAVATION TO BE OBSERVED AND REVIEWED BY GEOTECHNICAL CONSULTANT PRIOR TO PLACEMENT OF CONCRETE FORMS AND/OR REINFORCING STEEL
- 5 EXPANSION JOINT PER 05 15.1
- 6 CONCRETE BAND PER 08 15.1 SIM.
- 7 DECOMPOSED GRANITE PAVING PER 09 15.1

NOTE:  
A. FOR RETAINING WALL W/ FENCE SEE DETAIL 08 15.2  
B. FOR FENCE POST ADJACENT TO BUILDING FOOTING SEE STRUCTURAL DETAIL 5 15.11

A. FENCE POST ADJACENT TO BLDG

TUBULAR STEEL POST FOOTING 1" = 1'-0" 12



- 1 OUTSIDE FACE OF GATE/FENCE
- 2 TUBULAR STEEL TOP RAIL
- 3 STAINLESS STEEL TAMPER RESISTANT SCREWS @ 12" O.C.
- 4 PANIC HARDWARE
- 5 18" GA. CUSTOM PERFORATED SHEET METAL PER 02
- 6 TUBULAR STEEL FENCE PICKET
- 7 TUBULAR STEEL POST BEYOND
- 8 STEEL GALVANIZED KICKPLATE PER 11
- 9 TUBULAR STEEL BOTTOM RAIL
- 10 CONCRETE RETAINING WALL PER 08 15.2
- 11 FINISHED SURFACE @ CONCRETE PAVING. PER 01 15.1
- 12 GATE HARDWARE PER 09

NOTE:  
CONCRETE FOOTING PER 12

TUBE STEEL GATE/FENCE CONNECTION 1" = 1'-0" DT32FE28 04

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**LICENCED LANDSCAPE ARCHITECT**  
OFFICE: L. P. ARCHITECTS  
STATE OF CALIFORNIA  
DATE: 04-30-2018  
APPROVED: [Signature]  
FILE NUMBER: 43-HIC

**IDENTIFICATION STAMP**  
DIV. OF THE STATE ARCHITECT  
APPL. #: 01-116180  
AC: [Signature] FL: [Signature] SS: [Signature]  
DATE: 3.21.17  
FILE NUMBER: 43-HIC

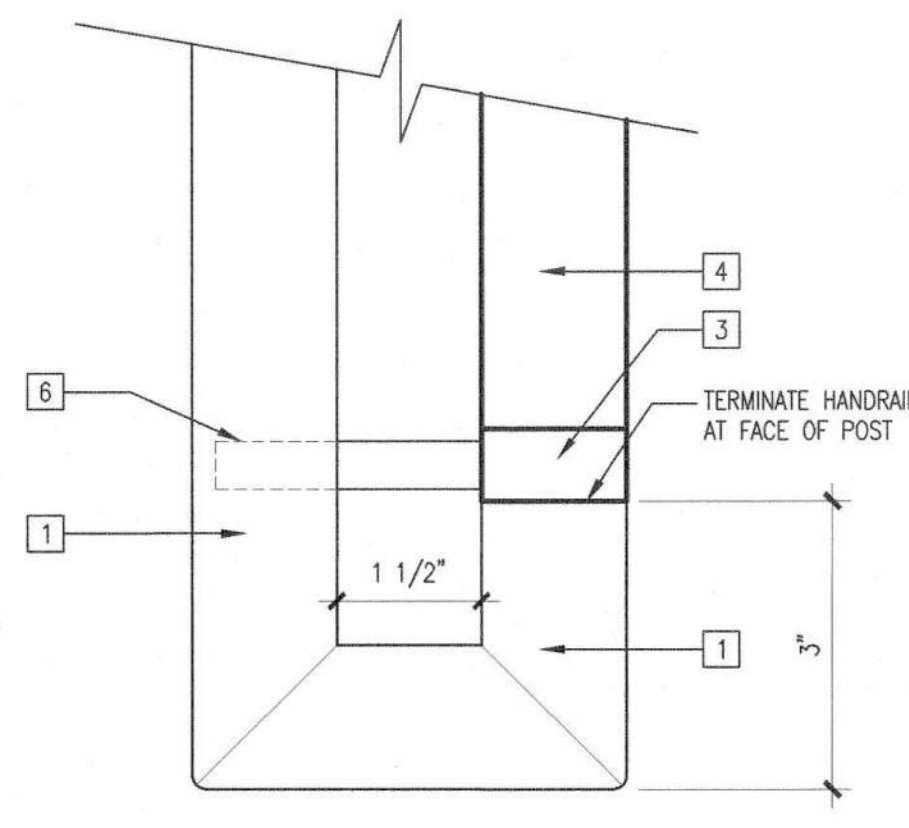
**BUILDING D SCIENCE AND CLASSROOM BUILDING**  
**PIEDMONT HILLS HIGH SCHOOL**  
1377 PIEDMONT RD  
SAN JOSE, CA 95132  
Developed for East Side Union High School District

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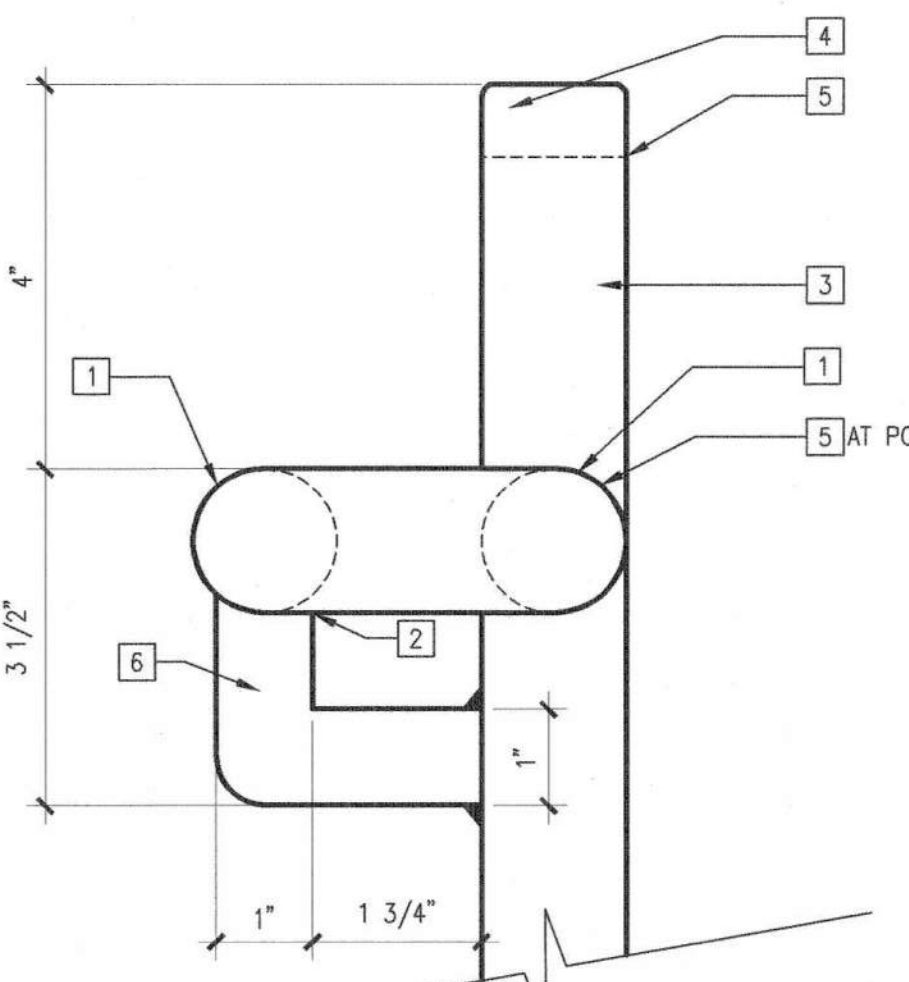
Revision	Date	Description
01	03.18.2016	100% SCHEMATIC DESIGN
02	05.17.2016	100% DESIGN DEVELOPMENT
03	06.15.2016	60% CONSTRUCTION DOCUMENT
04	07.27.2016	80% CONSTRUCTION DOCUMENTS
05	08.12.2016	DSA SUBMITTAL
06	03.08.2017	DSA APPROVAL

Job No. 1802010  
Date 03.08.2017  
Checked by  
Scale AS SHOWN





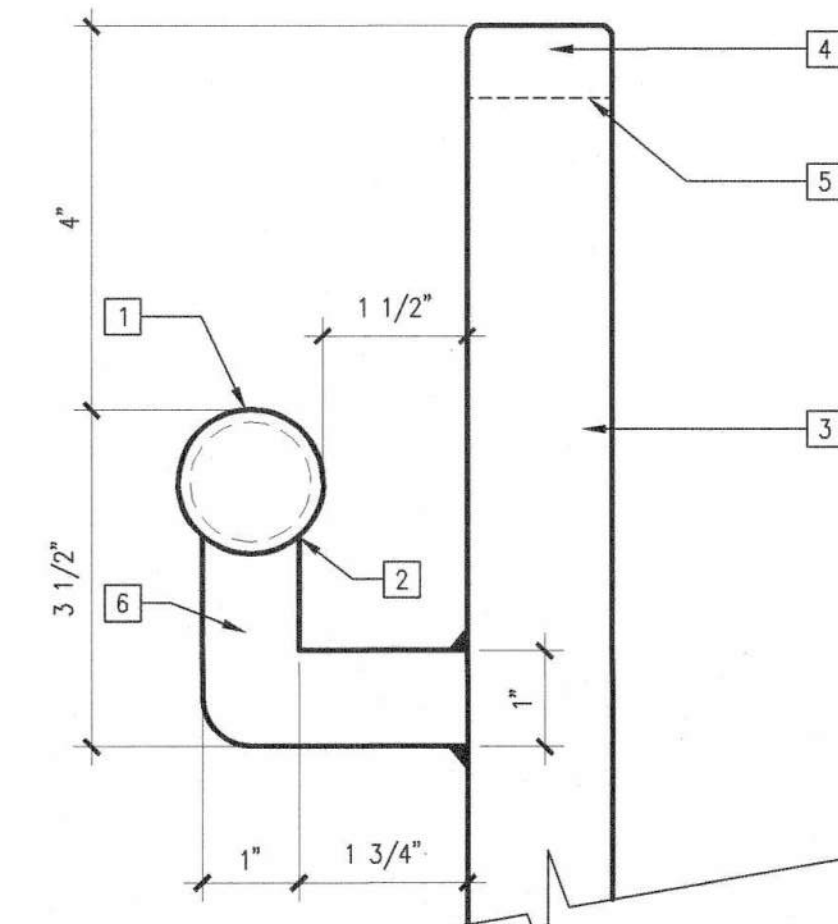
A PLAN



B ELEVATION

- 1 HANDRAIL: 1-1/2" MAX. O.D. STEEL PIPE
- 2 FILLET WELD BOTTOM SIDE ONLY.
- 3 1-1/2" X 3/4" SOLID STOCK STEEL POST
- 4 1-1/2" X 3/4" SOLID STOCK STEEL TOP RAIL
- 5 CONTINUOUS G.T.A.W. FILLET WELD TYP. ALL RAILS.
- 6 1/2" STEEL BRACKET

NOTE: REFER TO 01-02 FOR MORE INFORMATION.

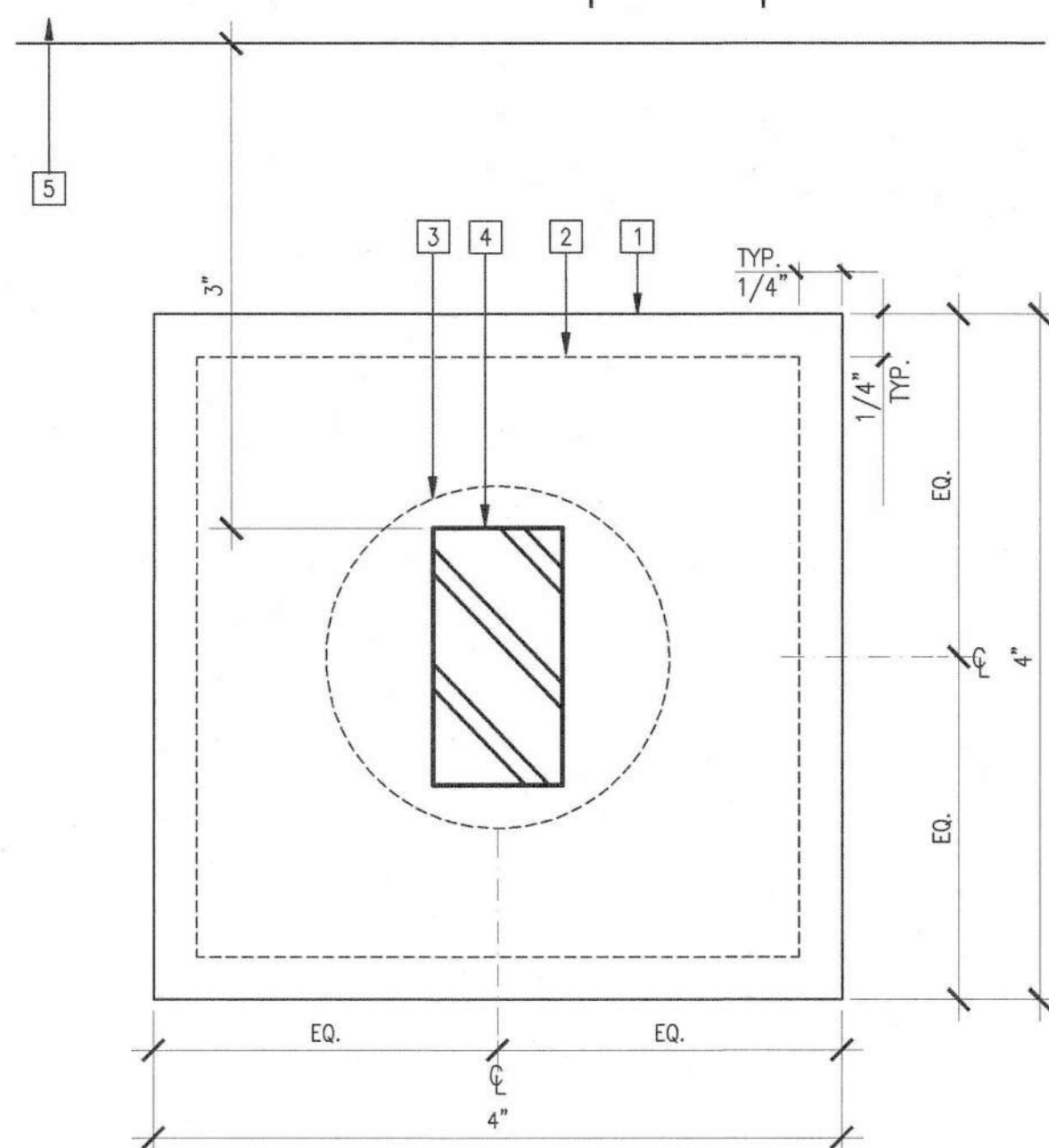


- 1 HANDRAIL: 1-1/2" MAX. O.D. STEEL PIPE
- 2 FILLET WELD BOTTOM SIDE ONLY.
- 3 1-1/2" X 3/4" SOLID STOCK STEEL POST
- 4 1-1/2" X 3/4" SOLID STOCK STEEL TOP RAIL
- 5 CONTINUOUS G.T.A.W. FILLET WELD TYP. ALL RAILS.
- 6 1/2" STEEL BRACKET

NOTE: REFER TO 01-02 FOR MORE INFORMATION.

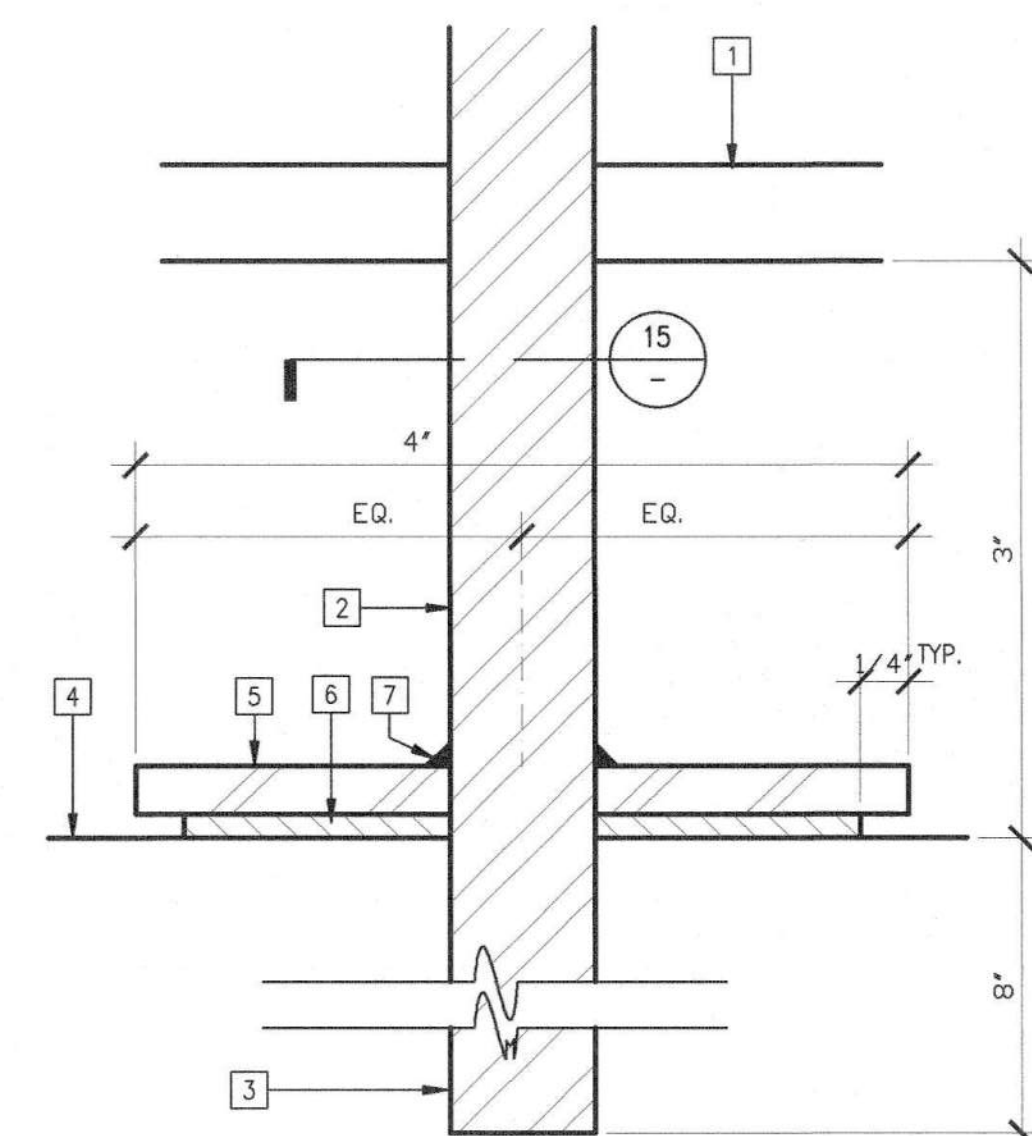
HANDRAIL TOP SECTION 6" = 1'-0" DT02FE2MS 18

HANDRAIL TOP SECTION 6" = 1'-0" DT02FE2 14



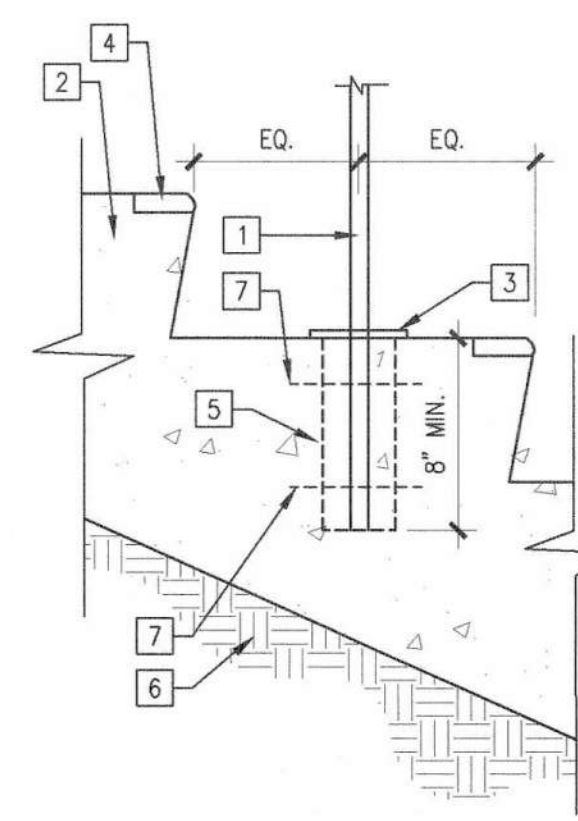
- 1 1/4" THICK SOLID STOCK STEEL PLATE.
- 2 1/8" BLACK PVC SHIM BELOW.
- 3 CAST INTO PLACE, CORE DRILL OR PROVIDE KNOCKOUT SET POST W/ NON SHRINK GROUT. CORE DRILL IS TO BE SMALLER THAN BASE PLATE.
- 4 1-1/2" X 3/4" SOLID STOCK STEEL POST.
- 5 FACE OF WALL.

BASE PLATE PLAN ENLARGEMENT FULL DT02FE72 15



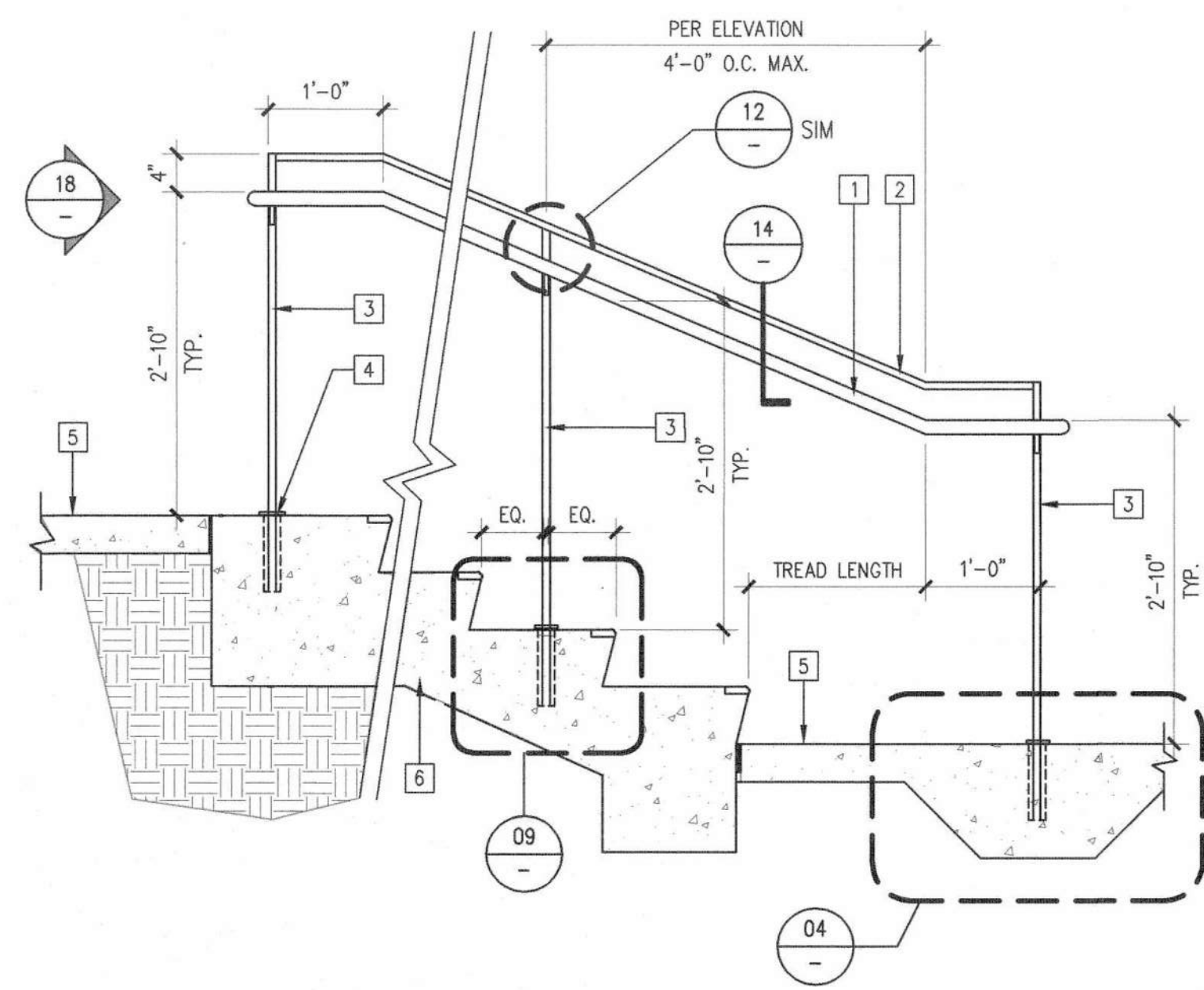
- 1 1-1/2" X 1/2" THICK SOLID STOCK STEEL CHAIR RAIL WHERE OCCURS
- 2 1-1/2" X 3/4" THICK SOLID STOCK STEEL POST.
- 3 EMBED POST 8" INTO FOOTING/WALL
- 4 TOP OF PAVING.
- 5 4" X 4" X 1/4" SOLID STOCK PLATE. SLOPE W/ GRADE @ RAMP.
- 6 1/8" THICK BLACK PVC SHIM.
- 7 CONTINUOUS FILLET WELD, FOUR SIDES OF POST-ON TOP SIDE OF PLATE ONLY.

BASE PLATE ENLARGEMENT FULL DT02FE73 16



- 1 STEEL POST 01
- 2 CONCRETE STAIRS
- 3 BASE PLATE 16
- 4 STAIR NOSING, SEE 11 L5.02
- 5 CORE DRILL SET POSTS W/NON SHRINK GROUT. IF CORE DRILL IS PROVIDED FINAL SECTION IS TO MATCH FOOTING DIMENSION. CORE DRILL OR SLEEVE TO BE SMALLER THAN COVER PLATE. (2) SMALL OVERLAPPING CORE HOLES MAY BE REQUIRED
- 6 BASE MATERIAL & COMPACTED SUBGRADE 01 L5.01
- 7 (2) #3 HARPINS

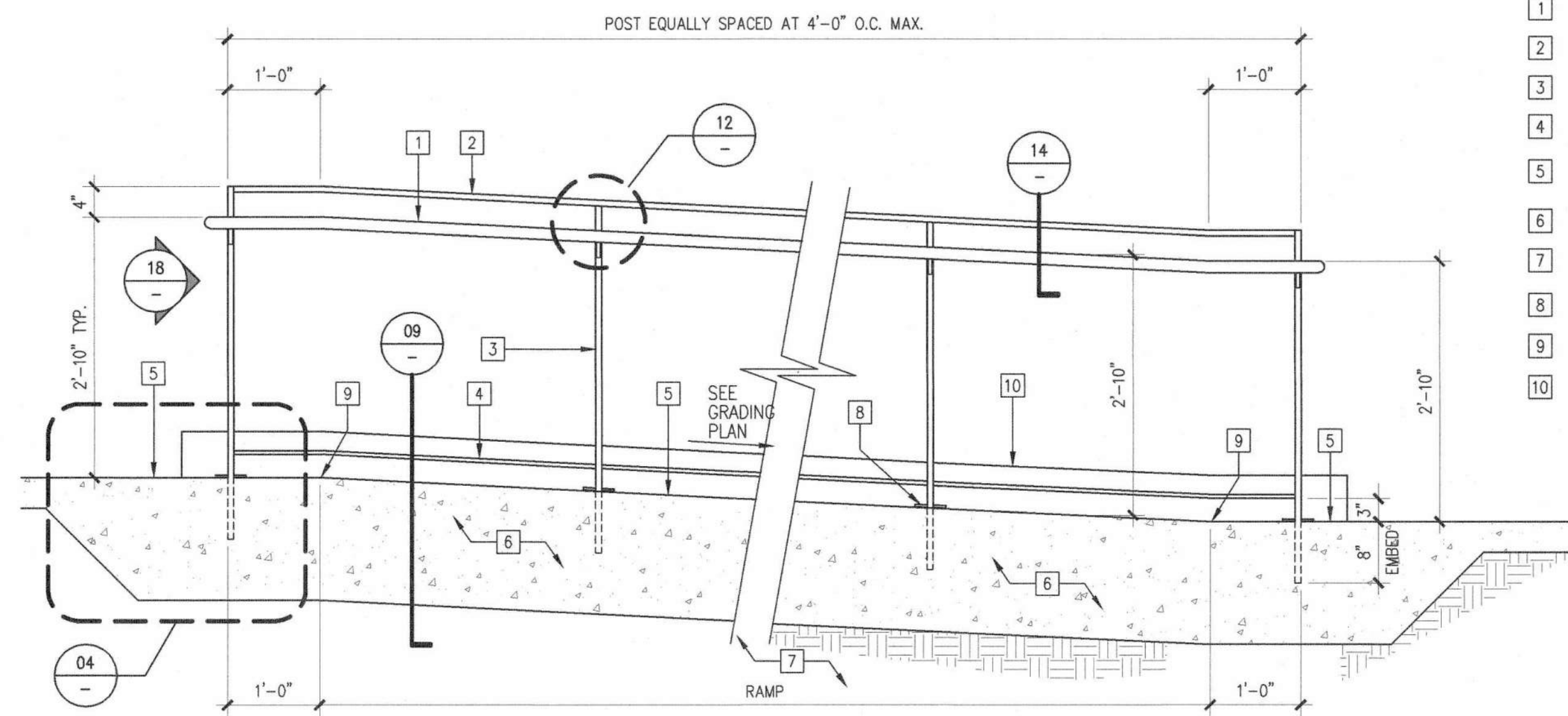
HANDRAIL EMBEDMENT 1-1/2" = 1'-0" 09



- 1 HANDRAIL: 1-1/2" MAX O.D. STEEL PIPE.
- 2 1-1/2" X 3/4" THICK SOLID STOCK STEEL TOP RAIL
- 3 1-1/2" X 3/4" THICK SOLID STOCK STEEL POST. TYP. INSTALL 3" CLEAR OF EDGE OF PAVING OR CHEEK WALL.
- 4 4" X 4" X 1/4" THICK BASE PLATE. 16
- 5 FINISH SURFACE. 01 L5.1
- 6 CONCRETE STAIRS. 10 L5.2

NOTES:  
A. ALL COMPONENTS ARE TO BE HOT DIPPED GALVANIZED STEEL.  
B. GRIND ALL WELDS SMOOTH.  
C. 1/8" EDGES TYPICAL ALL CORNERS.  
D. COLD GALVANIZE ALL FIELD WELDS.  
E. PROVIDE HANDRAILS ON BOTH SIDES OF STAIRS, PER LAYOUT AND MATERIALS PLAN.

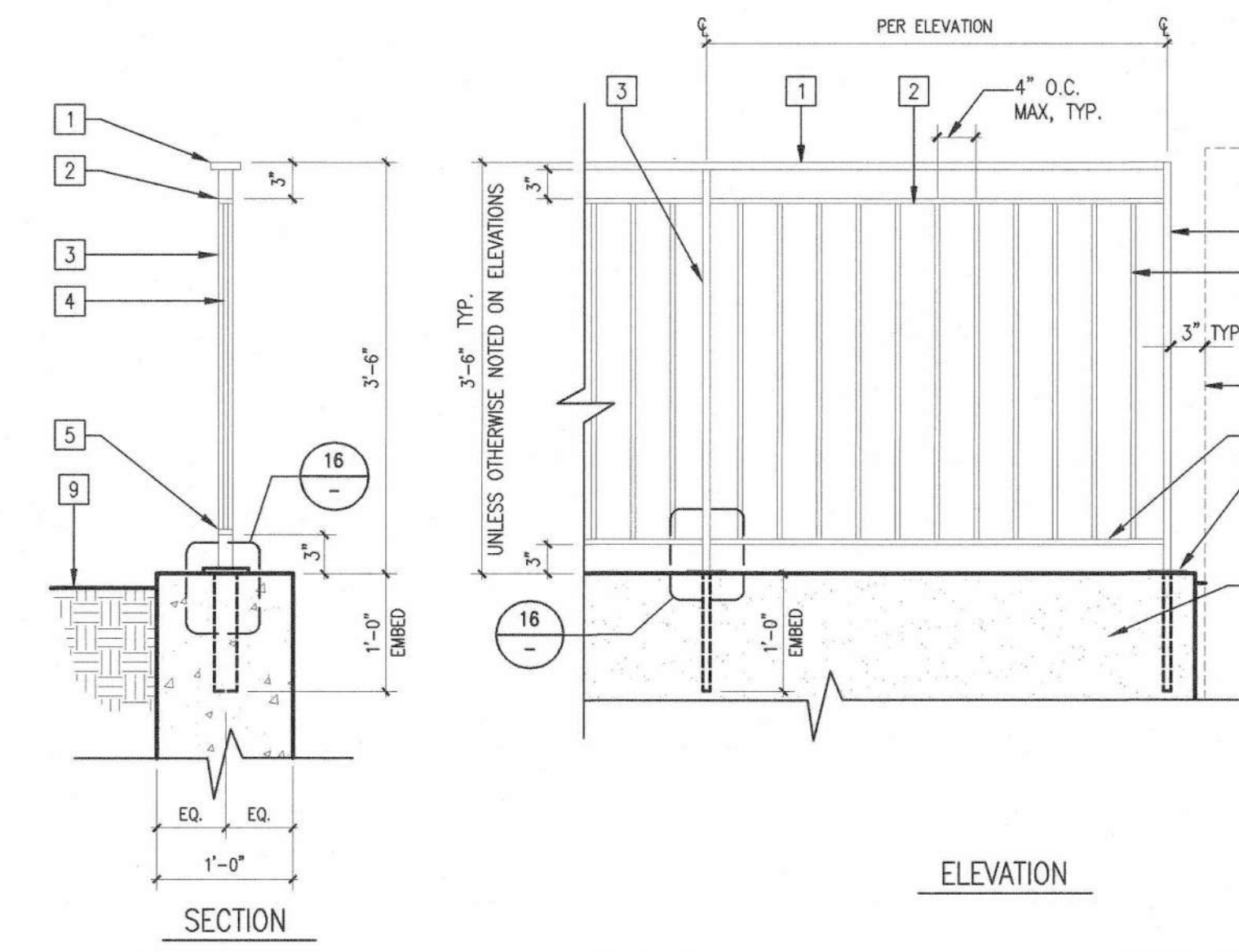
HANDRAIL AT STAIRS 3/4" = 1'-0" DT02FE44 01



- 1 1/2" MAX. O.D. STEEL PIPE HANDRAIL.
- 2 1/2" X 3/4" THICK SOLID STOCK STEEL TOP RAIL
- 3 1/2" X 3/4" THICK SOLID STOCK STEEL POST.
- 4 1/2" X 1/2" THICK SOLID STOCK STEEL BOTTOM RAIL.
- 5 FINISH SURFACE 01 L5.1
- 6 C.I.P. CONCRETE FOOTING. EXTEND MIN. 12" FROM C.L. OF POST.
- 7 BASE MATERIAL AND COMPACTED SUBGRADE PER 01 L5.1
- 8 BASE PLATE TYP. ALL POSTS 16
- 9 TOP OF RAMP/BOTTOM OF RAMP
- 10 CONCRETE WALL/CURB, PER PLAN.

NOTES:  
A. ALL COMPONENTS ARE TO BE HOT DIPPED GALVANIZED STEEL.  
B. GRIND ALL WELDS SMOOTH.  
C. 1/8" EDGES TYPICAL ALL CORNERS.  
D. COLD GALVANIZE ALL FIELD WELDS.  
E. ALL POSTS TO BE 3" FROM FACE OF WALL OR EDGE OF PAVING.  
F. SEE 01 FOR HANDRAILS @ STAIRS  
G. PROVIDE HANDRAILS ON BOTH SIDES OF RAMP PER PLAN

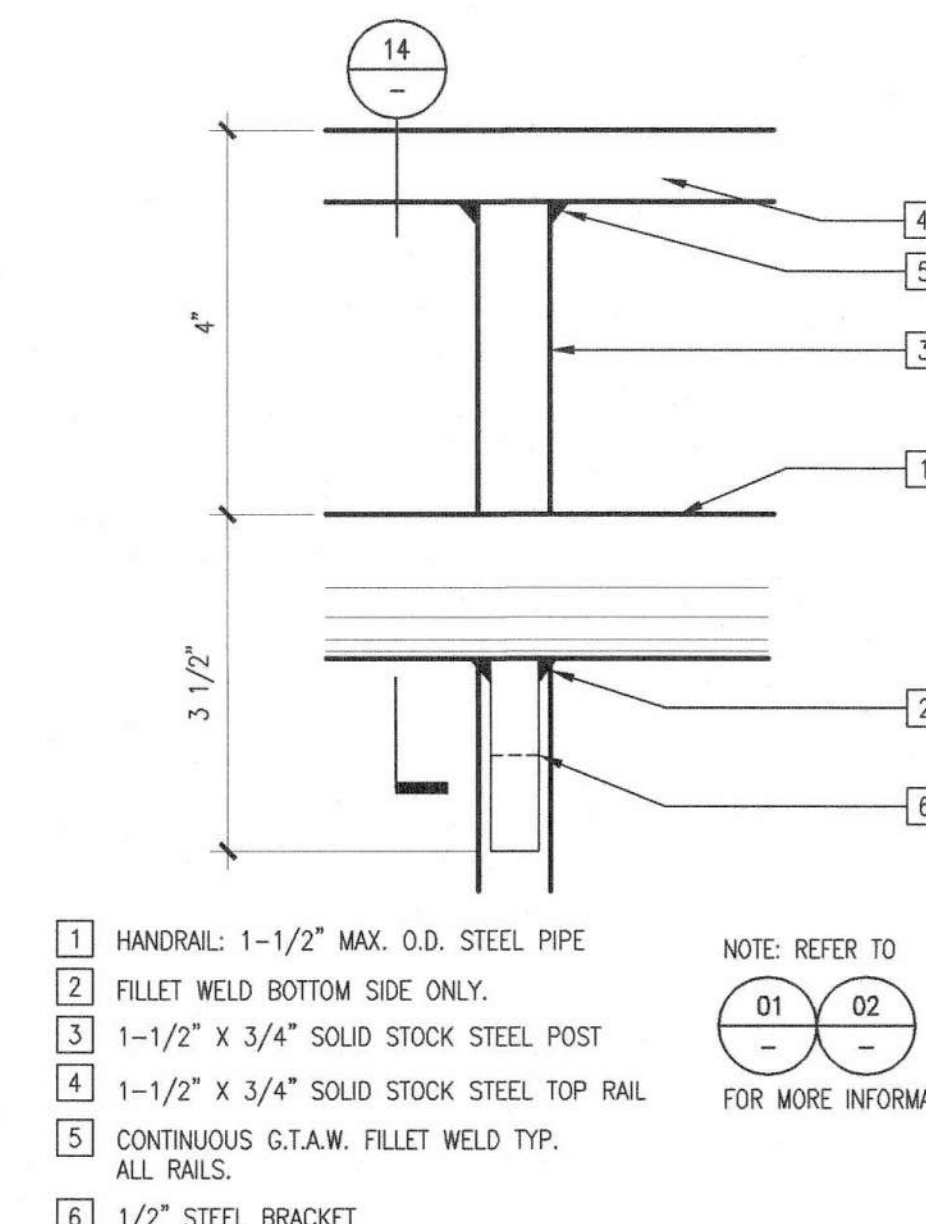
HANDRAIL AT RAMP 3/4" = 1'-0" DT02FE43 02



- 1 3/4" X 3" SOLID STOCK STEEL TOP RAIL.
- 2 1-1/2" X 1/2" SOLID STOCK STEEL INTERMEDIATE RAIL.
- 3 1-1/2" X 3/4" SOLID STOCK STEEL POST.
- 4 1/2" X 1/2" SOLID STOCK STEEL PICKETS
- 5 1-1/2" X 1/2" SOLID STOCK STEEL BAR BOTTOM RAIL.
- 6 BASE PLATE TYP. ALL POSTS 16
- 7 FACE OF WALL. (AS OCCURS PER PLAN)
- 8 CONCRETE RETAINING WALL 02 L5.2
- 9 FINISH GRADE

NOTES:  
A. ALL COMPONENTS ARE TO BE HOT DIPPED GALVANIZED STEEL.  
B. GRIND ALL WELDS SMOOTH.  
C. 1/8" EDGES TYPICAL ALL CORNERS.  
D. COLD GALVANIZED ALL FIELD WELDS.

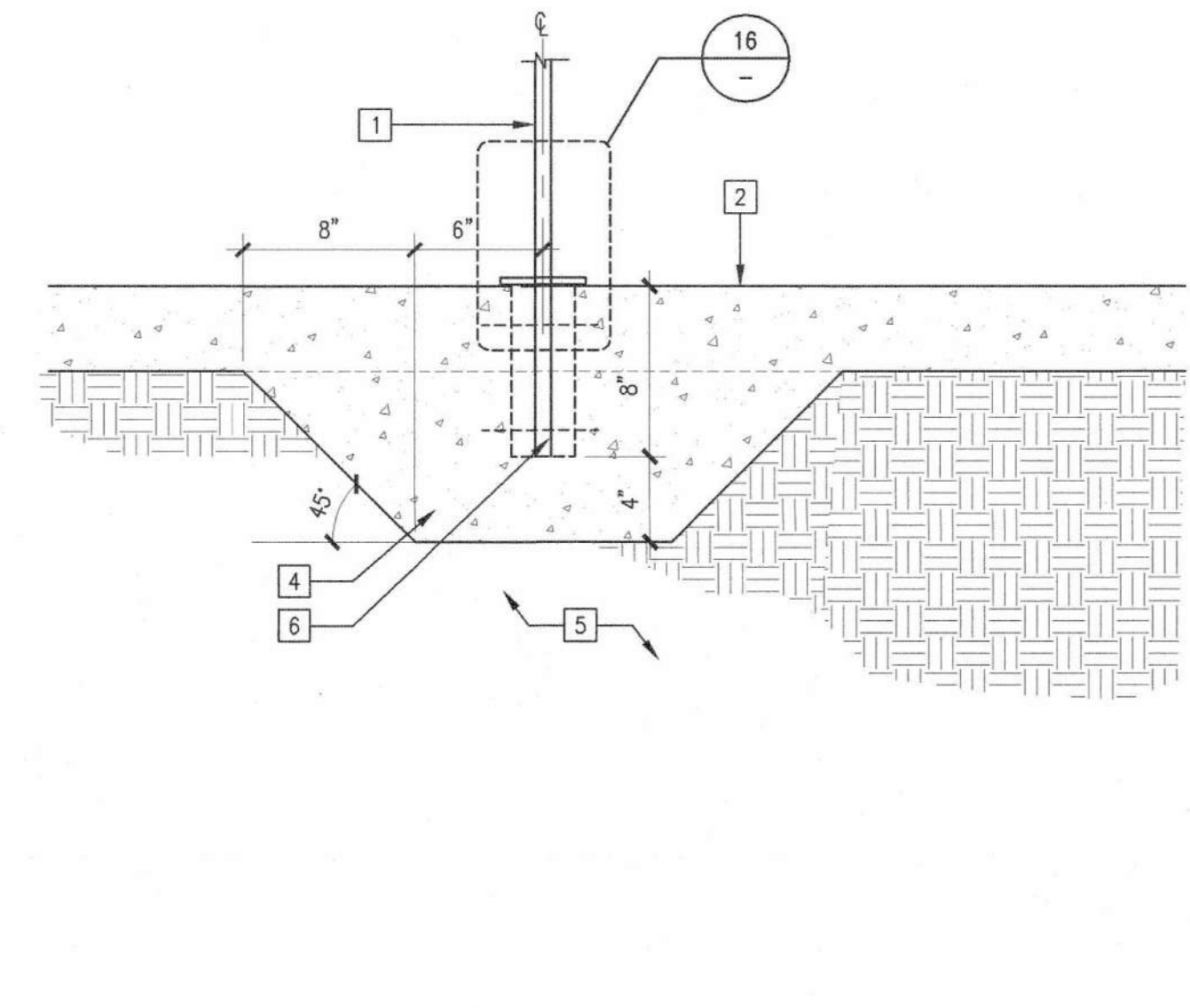
GUARDRAIL 3/4" = 1'-0" 03



- 1 HANDRAIL: 1-1/2" MAX. O.D. STEEL PIPE
- 2 FILLET WELD BOTTOM SIDE ONLY.
- 3 1-1/2" X 3/4" SOLID STOCK STEEL POST
- 4 1-1/2" X 3/4" SOLID STOCK STEEL TOP RAIL
- 5 CONTINUOUS G.T.A.W. FILLET WELD TYP. ALL RAILS.
- 6 1/2" STEEL BRACKET

NOTE: REFER TO 01-02 FOR MORE INFORMATION.

HANDRAIL TOP ELEVATION 6" = 1'-0" DT-02FE64 12



- 1 STEEL POST PER 01
- 2 ADJACENT CONCRETE PAVING 01 L5.01
- 3 NOT USED
- 4 CONCRETE FOOTING
- 5 COMPACTED SUBGRADE PER 01 L5.01
- 6 CAST IN PLACE, CORE DRILL, OR PROVIDE SLEEVE. SET POSTS W/NON SHRINK GROUT. IF CORE DRILL IS PROVIDED FINAL SECTION IS TO MATCH FOOTING DIMENSION. CORE DRILL OR SLEEVE TO BE SMALLER THAN COVER PLATE. (2) SMALL OVERLAPPING CORE HOLES MAY BE REQUIRED
- 7 (2) #3 HARPINS

NOTES:  
A. REFER TO 01 FOR ADDITIONAL INFO.

HANDRAIL EMBEDMENT 1-1/2" = 1'-0" 04

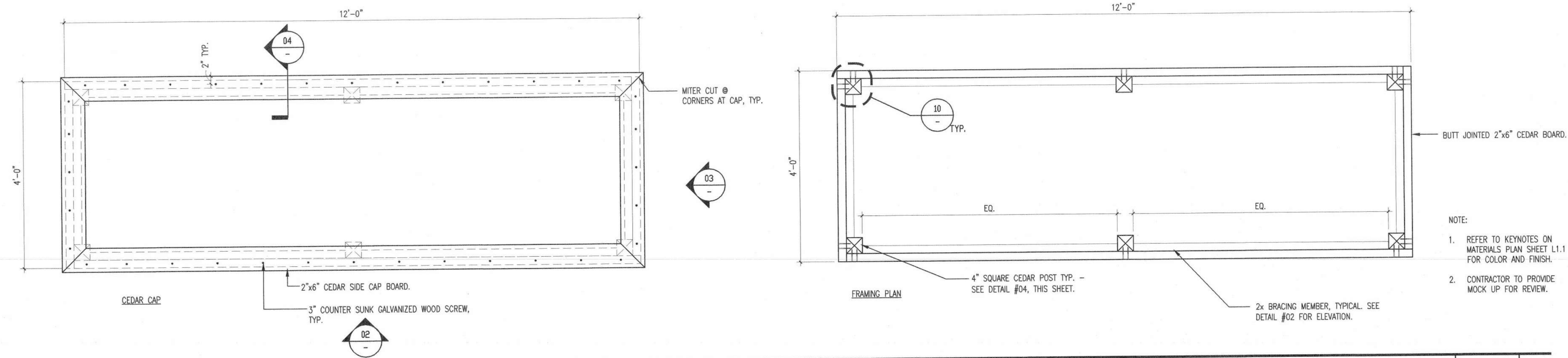
Date	Revision
03.18.2016	
05.17.2016	
06.15.2016	
07.27.2016	
08.12.2016	
03.08.2017	

Submitted	100% SCHEMATIC DESIGN	03.18.2016
	100% DESIGN DEVELOPMENT	05.17.2016
	50% CONSTRUCTION DOCUMENT	06.15.2016
	65% CONSTRUCTION DOCUMENTS	07.27.2016
	85% SUBMITTAL	08.12.2016
	100% APPROVAL	03.08.2017

Job No.	1602010
Date	03.06.2017
Checked by	
Scale	AS SHOWN

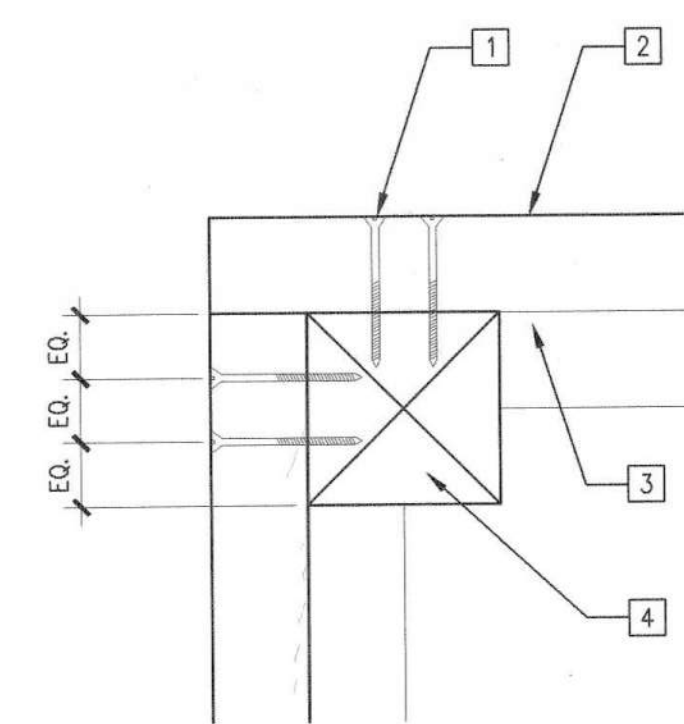
CONSTRUCTION DETAILS





RAISED GARDEN BED 3/4" = 1'-0" 01

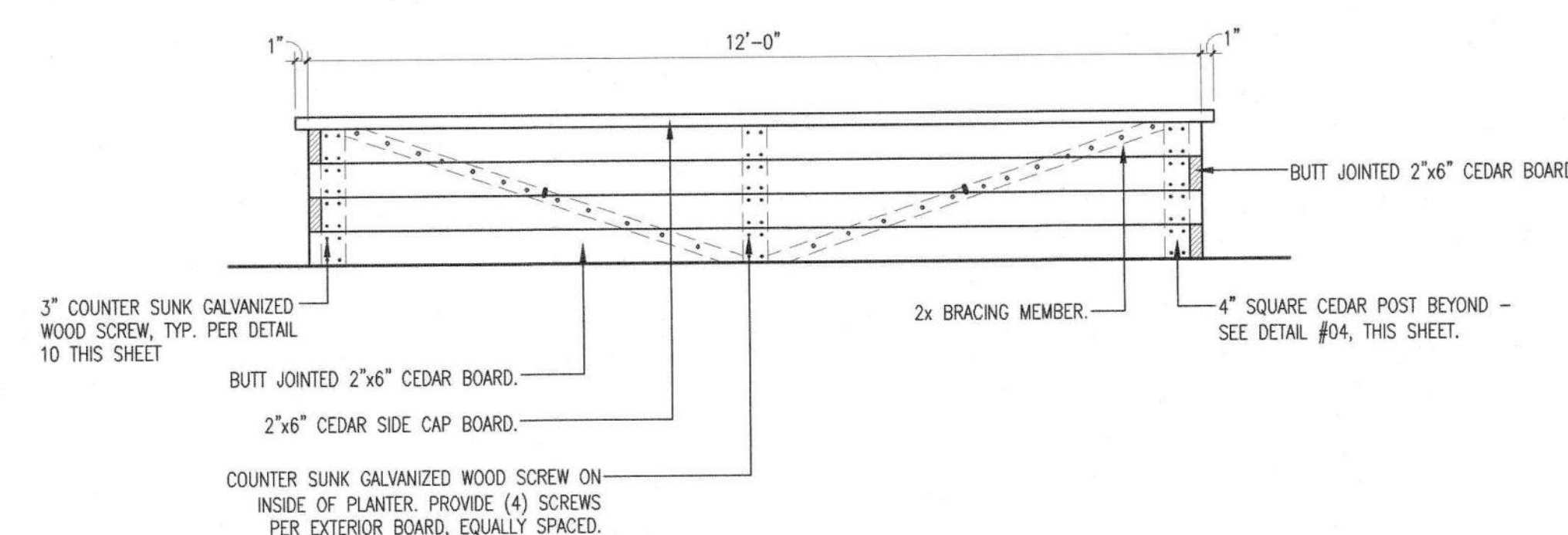
NOTE:  
 1. REFER TO KEYNOTES ON MATERIALS PLAN SHEET L1.1 FOR COLOR AND FINISH.  
 2. CONTRACTOR TO PROVIDE MOCK UP FOR REVIEW.



- 1 1" GALVANIZED WOOD SCREW, TYP. #8 BUGLE HEAD WITH 1" EMBEDMENT
- 2 BUTT JOINTED 2"x6" CEDAR BOARD.
- 3 2x BRACING MEMBER, TYPICAL. SEE DETAIL # 02 FOR ELEVATION.
- 4 4" SQUARE CEDAR POST - SEE DETAILS #04, THIS SHEET.

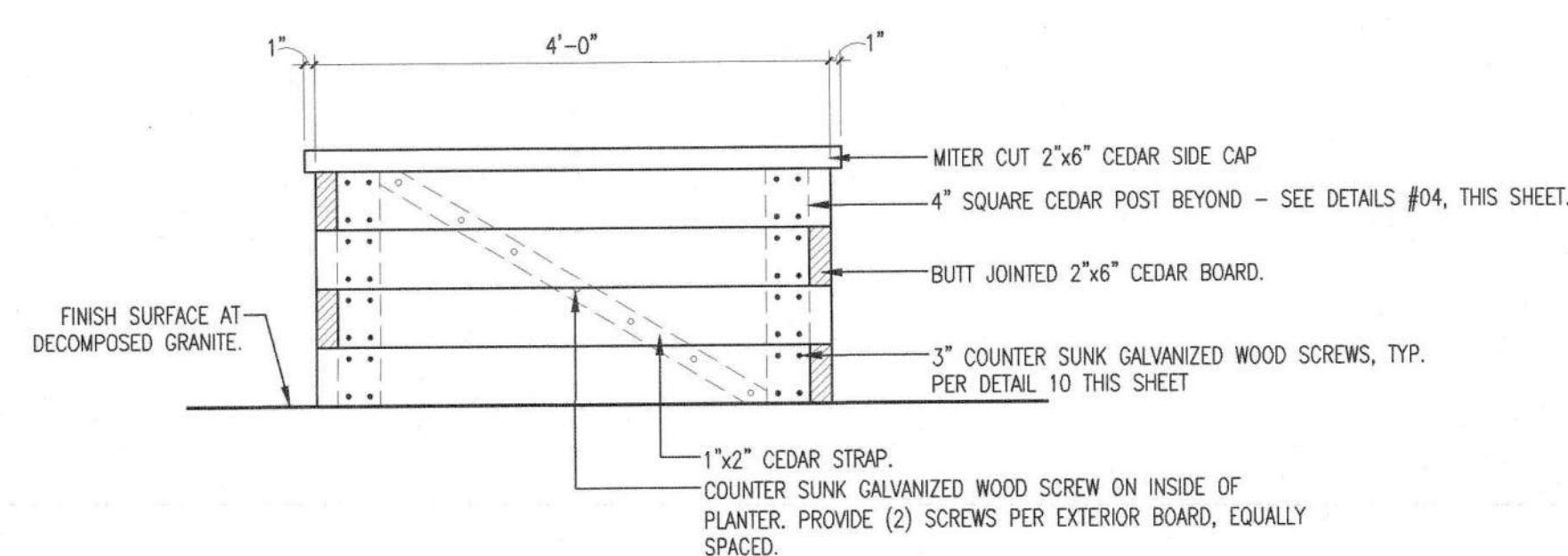
SEE 01 FOR FRAMING PLAN

PLANTER CORNER CONDITION 3/8" = 1'-0" 10



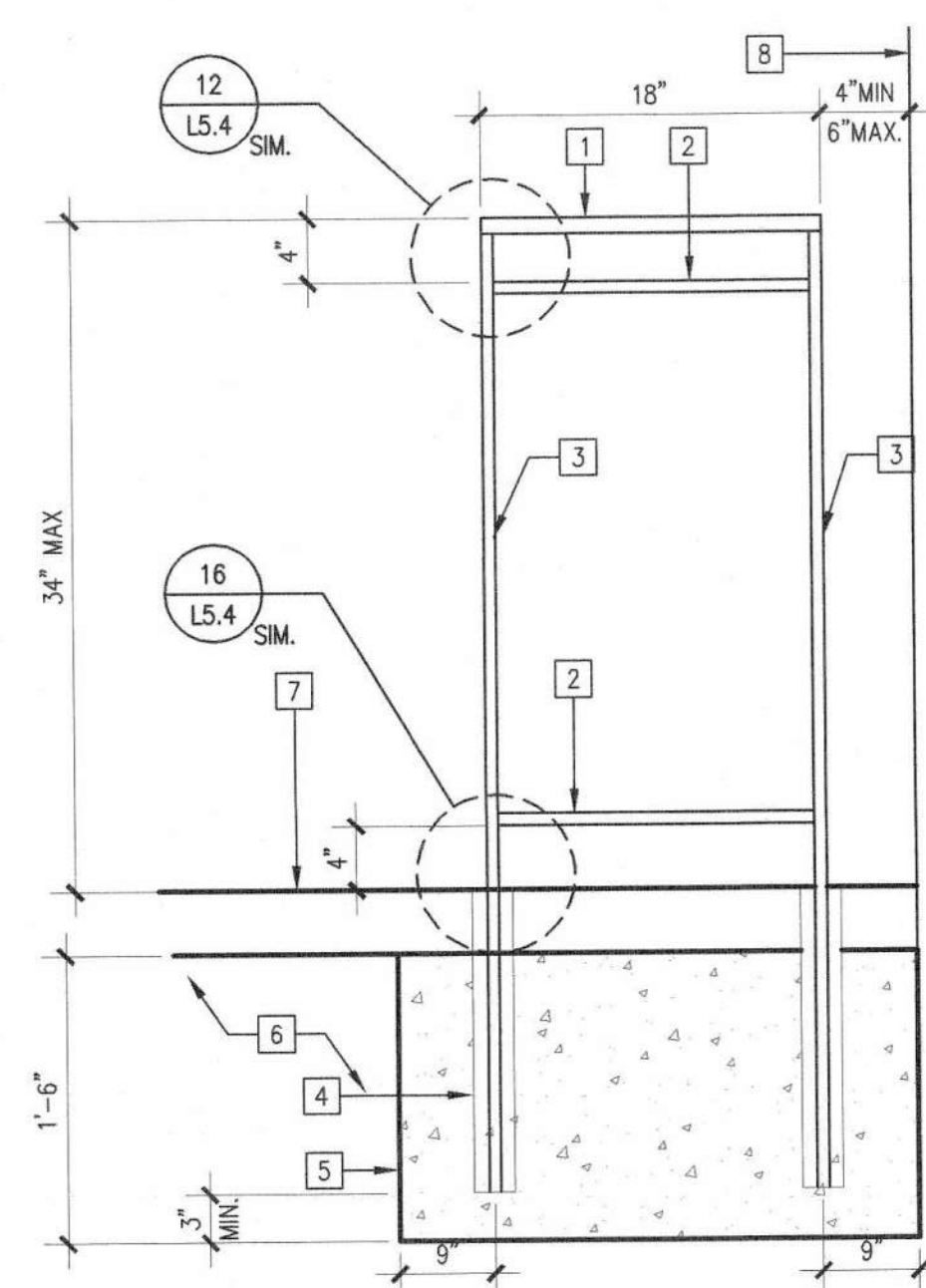
- 3" COUNTER SUNK GALVANIZED WOOD SCREW, TYP. PER DETAIL TO THIS SHEET
- BUTT JOINTED 2"x6" CEDAR BOARD.
- 2"x6" CEDAR SIDE CAP BOARD.
- COUNTER SUNK GALVANIZED WOOD SCREW ON INSIDE OF PLANTER. PROVIDE (4) SCREWS PER EXTERIOR BOARD, EQUALLY SPACED.
- 2x BRACING MEMBER.
- 4" SQUARE CEDAR POST BEYOND - SEE DETAIL #04, THIS SHEET.

ELEVATION OF RAISED GARDEN BED 1/2" = 1'-0" 02



- FINISH SURFACE AT DECOMPOSED GRANITE.
- 1"x2" CEDAR STRAP.
- COUNTER SUNK GALVANIZED WOOD SCREW ON INSIDE OF PLANTER. PROVIDE (2) SCREWS PER EXTERIOR BOARD, EQUALLY SPACED.
- 3" COUNTER SUNK GALVANIZED WOOD SCREWS, TYP. PER DETAIL TO THIS SHEET
- BUTT JOINTED 2"x6" CEDAR BOARD.
- 4" SQUARE CEDAR POST BEYOND - SEE DETAILS #04, THIS SHEET.
- MITER CUT 2"x6" CEDAR SIDE CAP

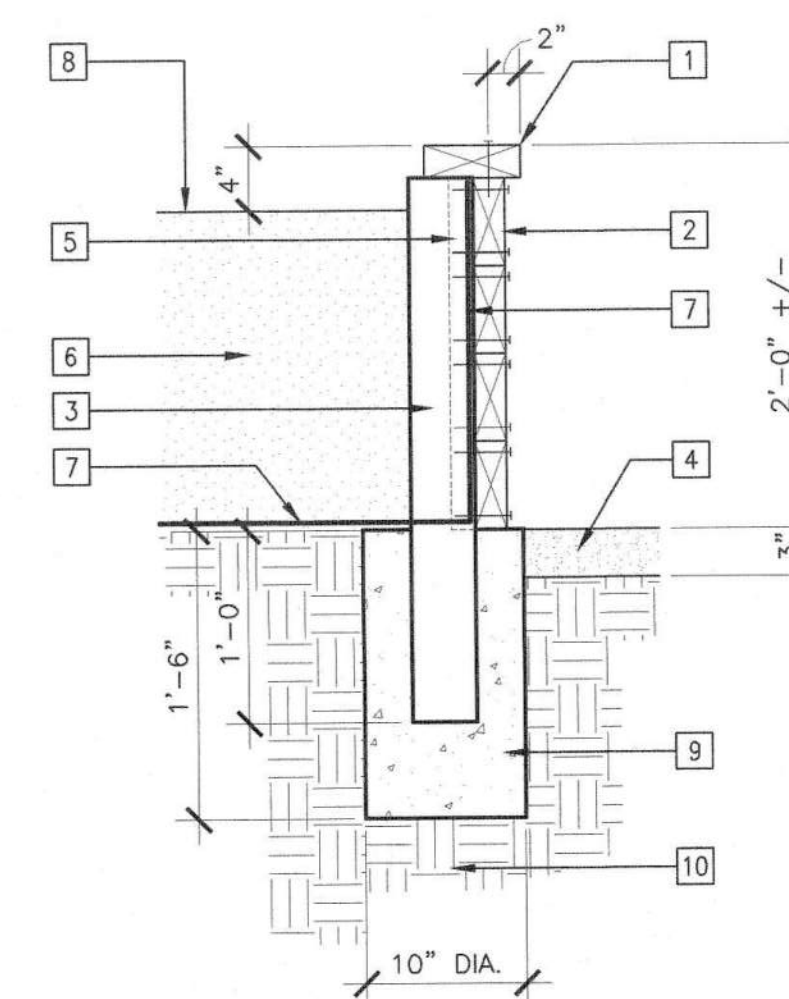
ELEVATION OF RAISED GARDEN BED 3/4" = 1'-0" 03



- 1 1 1/2" X 3/4" THICK SOLID STOCK STEEL TOP RAIL
- 2 1 1/2" X 1/2" THICK SOLID STOCK STEEL BOTTOM RAIL.
- 3 1 1/2" X 3/4" THICK SOLID STOCK STEEL POST.
- 4 2" DIAMETER GALVANIZED STEEL SLEEVE
- 5 2500 PSI CONCRETE FOOTING
- 6 COMPACTED SUBGRADE PER 01 (L5.01)
- 7 FINISH SURFACE PER MATERIALS PLANS
- 8 FACE OF BUILDING, WHERE OCCURS

NOTES:  
 A. ALL COMPONENTS ARE TO BE HOT DIPPED GALVANIZED STEEL, SEE SPECS.  
 B. GRIND ALL WELDS SMOOTH.  
 C. 1/8" EDGES TYPICAL ALL CORNERS.  
 D. COLD GALVANIZED ALL FIELD WELDS.

DETECTABLE SIDE RAIL 1" = 1'-0" SAME 12



- 1 2"x6" CEDAR SIDE CAP BOARD WITH COUNTER SUNK GALVANIZED WOOD SCREW, TYP. EASE EDGES. (ALL CORNERS, TYPICAL.)
- 2 BUTT JOINTED 2"x6" CEDAR BOARD WITH COUNTER SUNK GALVANIZED WOOD SCREW, TYP.
- 3 4"x4" CEDAR POST.
- 4 D.G. PAVING - SEE MATERIALS PLANS.
- 5 2x BRACING MEMBER BEYOND.
- 6 PLANTER BACKFILL MIX - SEE SPECIFICATIONS.
- 7 SINGLE LAYER OF MIRAFI 140N FILTER FABRIC, CONTINUOUS ALONG BOTTOM AND SIDES OF PLANTER.
- 8 FINISH GRADE OF PLANTER.
- 9 CONCRETE FOOTING
- 10 COMPACTED SUBGRADE

SECTION OF RAISED GARDEN BED 1" = 1'-0" 04

**LPA**  
 LICENSED LANDSCAPE ARCHITECT  
 ORVILLE G. LINDEBY 10 0854  
 04-30-2018  
 STATE OF CALIFORNIA

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IDENTIFICATION STAMP  
 DIV. OF THE STATE ARCHITECT  
 APPL. # 01-116180  
 AC. [Signature] FL.S. [Signature] SS. [Signature] H.  
 DATE 3.24.17  
 FILE NUMBER: 43-110

BUILDING D SCIENCE AND CLASSROOM BUILDING  
 PIEDMONT HILLS HIGH SCHOOL  
 1377 PIEDMONT RD  
 SAN JOSE, CA 95132  
 Developed for East Side Union High School District

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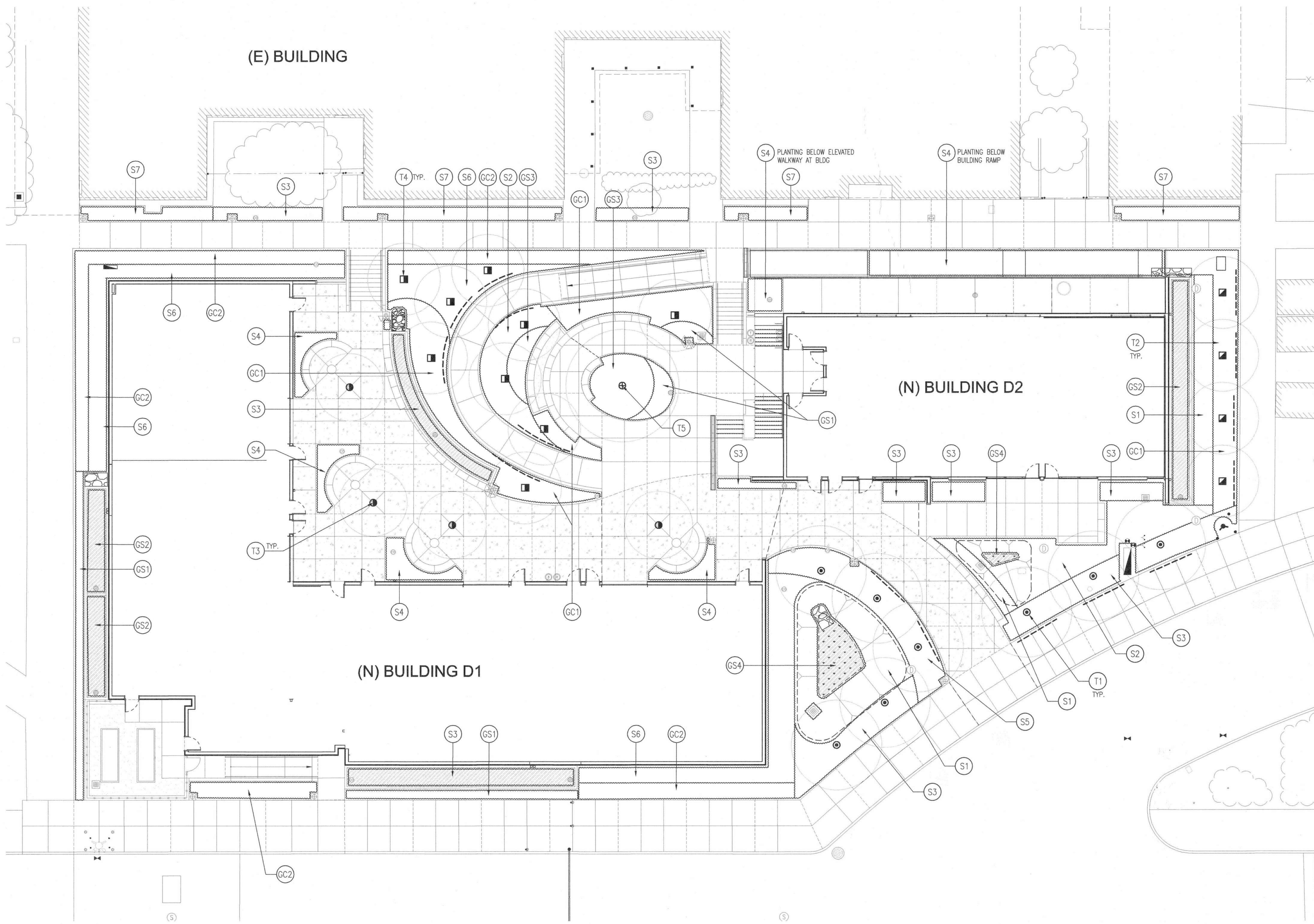
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03.18.2018	
06.17.2018	
06.18.2018	
07.27.2018	
08.12.2018	
08.08.2017	

Submittal	Date
100% SCHEMATIC DESIGN	03.18.2018
30% DESIGN DEVELOPMENT	06.17.2018
50% CONSTRUCTION DOCUMENT	06.18.2018
90% CONSTRUCTION DOCUMENTS	07.27.2018
DSA SUBMITTAL	08.12.2018
DSA APPROVAL	08.08.2017

Job No. 1602910  
 Date 03.08.2017  
 Checked by  
 Scale

CONSTRUCTION DETAILS  
 L5.5





PLANTING LEGEND

REF.	QTY.	SYM.	BOTANICAL NAME/ COMMON NAME	SIZE/ SPACING	COMMENTS/ DETAIL
T1	8	⊙	ACER GRISUEM PAPERBARK MAPLE	36" BOX/ PER PLAN	STANDARD/ 10,20/L7.2
T2	4	⊠	ARBUTUS 'MARINA' MARINA STRAWBERRY TREE	36" BOX/ PER PLAN	STANDARD/ 10,20/L7.2
T3	4	⊙	PISTACIA CHINENSIS CHINESE PISTACHE	36" BOX/ PER PLAN	STANDARD/ 17/L7.2
T4	9	⊠	RHUS LANCEA AFRICAN SUMAC	36" BOX/ PER PLAN	MULTI/ 10,20/L7.2
T5	1	⊕	TIPUANA TIPU TIPUANA	48" BOX/ PER PLAN	STANDARD/ 10/L7.2

QUANTITIES LISTED ARE PER SHEET

SHRUB / VINE LIST

S1	AS REQ'D	⊠	BACCHARIS PILULARIS 'TWIN PEAKS' COYOTE BRUSH	1 GAL/ 24" OC	--/ 03/L7.2
S2	AS REQ'D	⊠	BERBERIS THUNBERGII 'ATROPURPUREA' RED LEAF BARBERY	5 GAL/ 36" OC	--/ 03/L7.2
S3	AS REQ'D	⊠	DIETES BICOLOR FORTNIGHT LILY	5 GAL/ 36" OC	--/ 03/L7.2
S4	AS REQ'D	⊠	NANDINA DOMESTICA 'GULF STREAM' HEAVENLY BAMBOO	5 GAL/ 24" OC	--/ 03/L7.2
S5	AS REQ'D	⊠	PHORMIUM TENAX 'JESTER' NEW ZEALAND FLAX	5 GAL/ 24" OC	--/ 03/L7.2
S6	AS REQ'D	⊠	RHAMNUS CALIFORNICA 'MOUND SAN BRUNO' SAN BRUNO COFFEEBERRY	5 GAL/ 48" OC	--/ 03/L7.2
S7	AS REQ'D	⊠	PRUNUS CAROLIANA 'COMPACTA' CAROLINA LAUREL CHERRY	5 GAL/ 48" OC	--/ 03/L7.2

ORNAMENTAL GRASSES LIST

GS1	AS REQ'D	⊠	CALAMAGROSTIS X 'KARL FOERSTER' FEATHER REED GRASS	1 GAL/ 24" OC	--/ 03/L7.2
GS2	AS REQ'D	⊠	CHONDROPETALUM TECTORUM CAPE RUSH	1 GAL/ 24" OC	--/ 03/L7.2
GS3	AS REQ'D	⊠	HELICTOTRICHON SEMPERVIRENS BLUE OAT GRASS	1 GAL/ 24" OC	--/ 03/L7.2
GS4	AS REQ'D	⊠	JUNCUS PATENS CALIFORNIA GRAY RUSH	1 GAL/ 12" OC	--/ 03/L7.2

GROUND COVER LIST

GC1	AS REQ'D	⊠	ARCTOSTAPHYLOS 'PACIFIC MIST' PACIFIC MIST MANZANITA	5 GAL/ 36" OC	--/ 03/L7.2
GC2	AS REQ'D	⊠	CEANOTHUS G.H. 'CARMEL CREEPER' CARMEL CREEPER CEANOTHUS	5 GAL/ 36" OC	--/ 03/L7.2

MISCELLANEOUS SYMBOLS

---	LINEAR ROOT BARRIER	12/L7.2
-----	---------------------	---------

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68 South Market Street, Suite 150  
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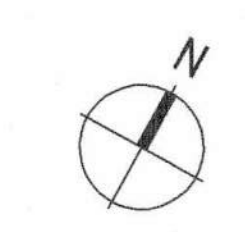
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LORIE G. LINDSEY NO. 5551  
SIGNATURE  
04-30-2009  
RENEWAL DATE  
DATE

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
APPL. #: 01-116180  
AC. NO. 15.1  
DATE 3-21-17  
FILE NUMBER: 43-H10

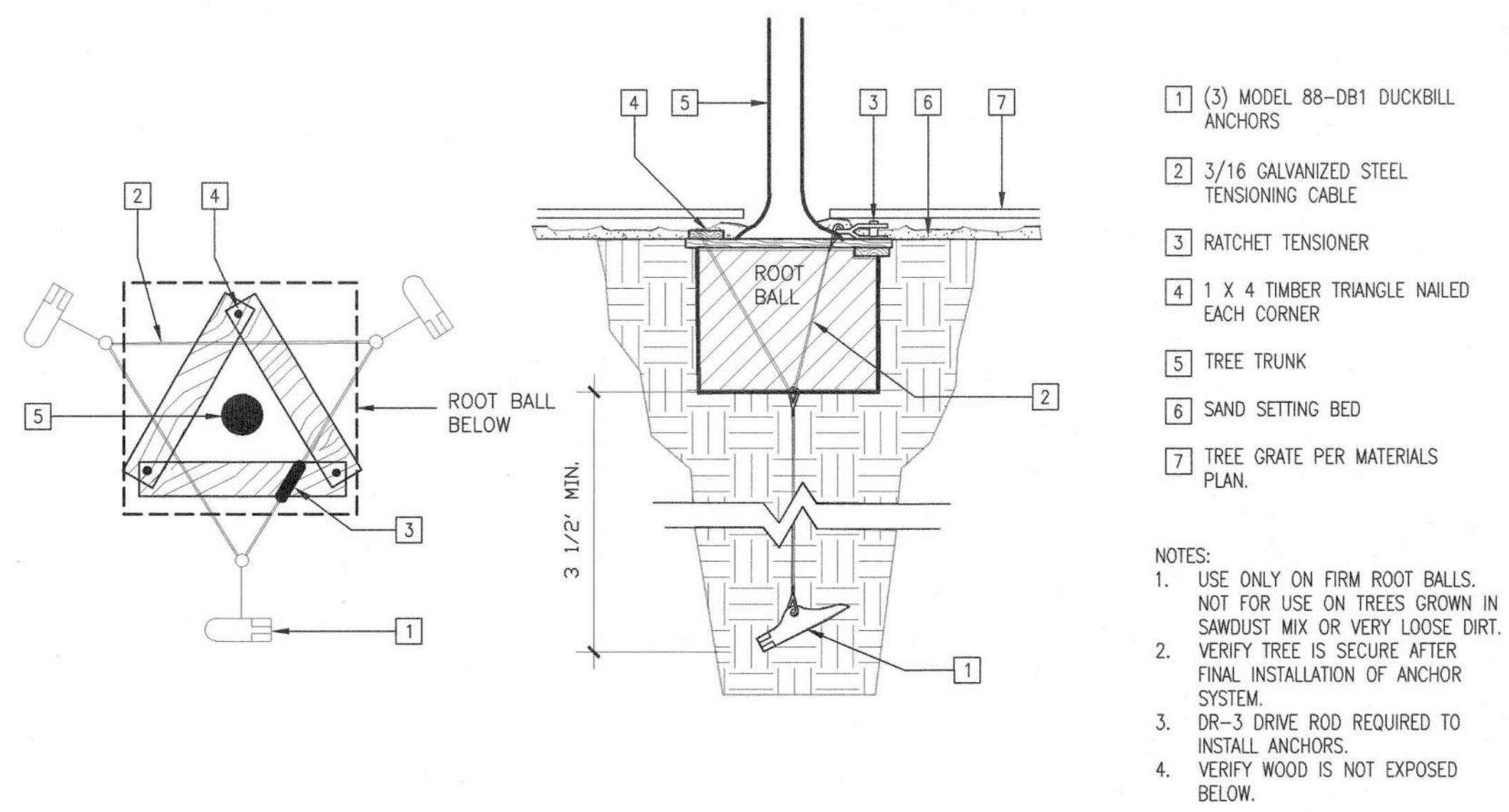
BUILDING D SCIENCE AND CLASSROOM BUILDING  
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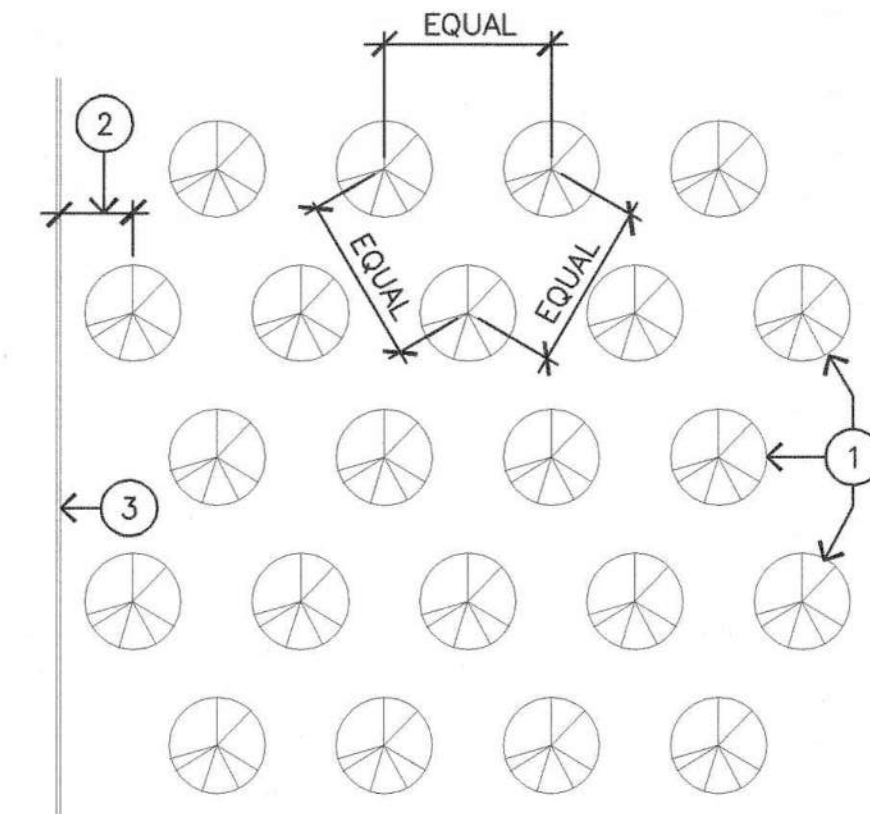
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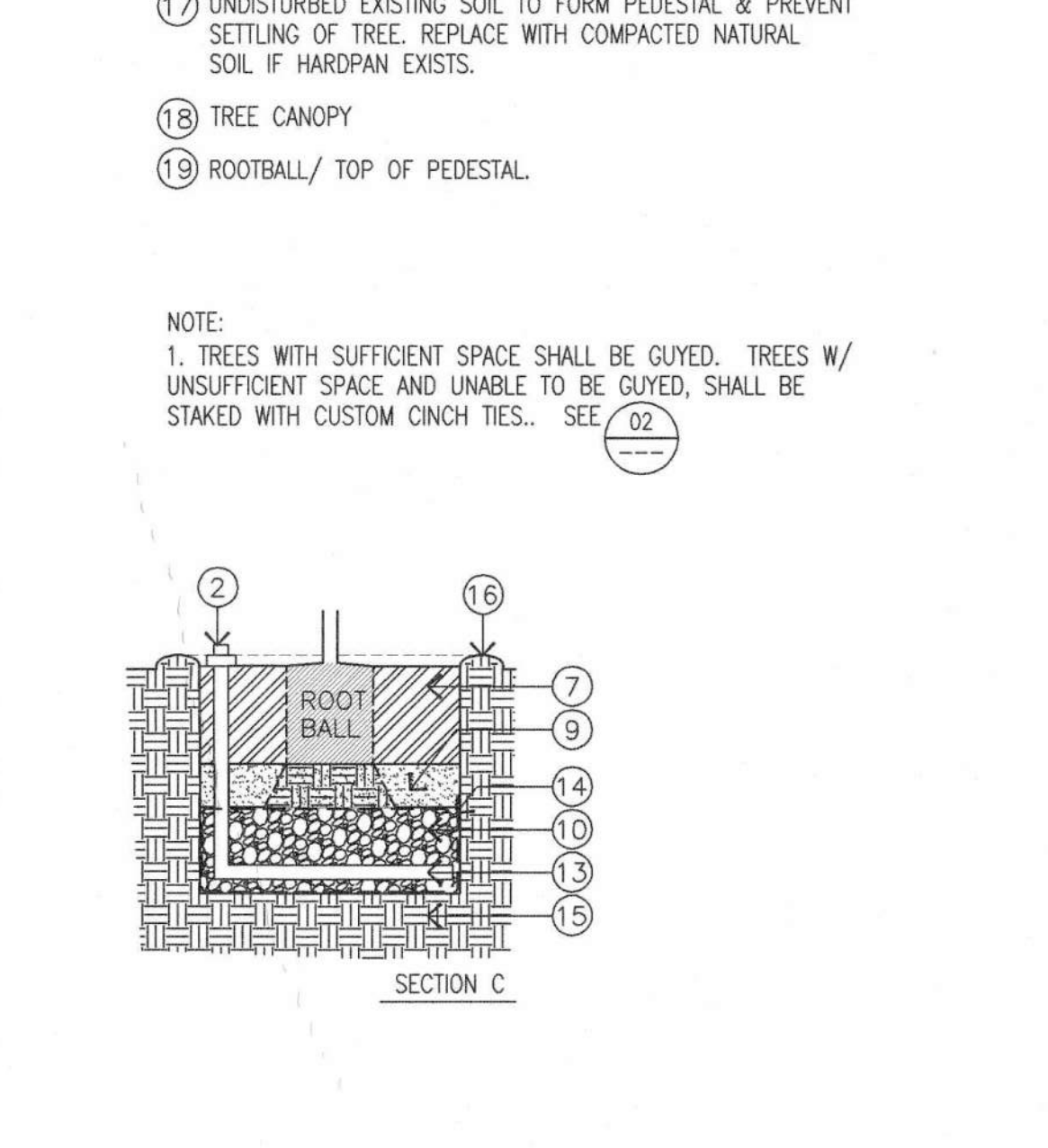
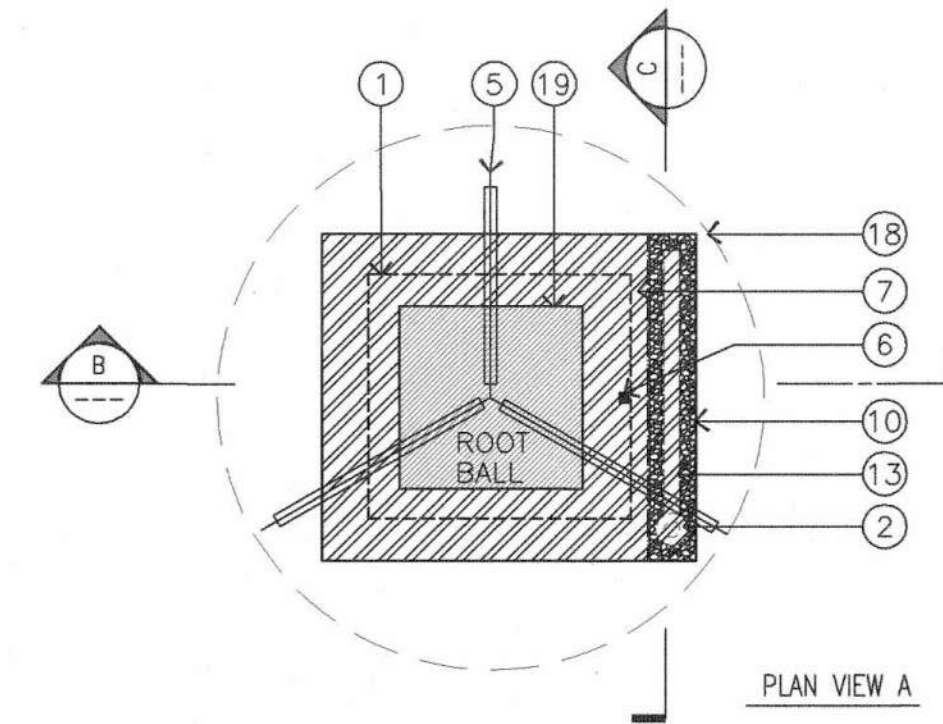




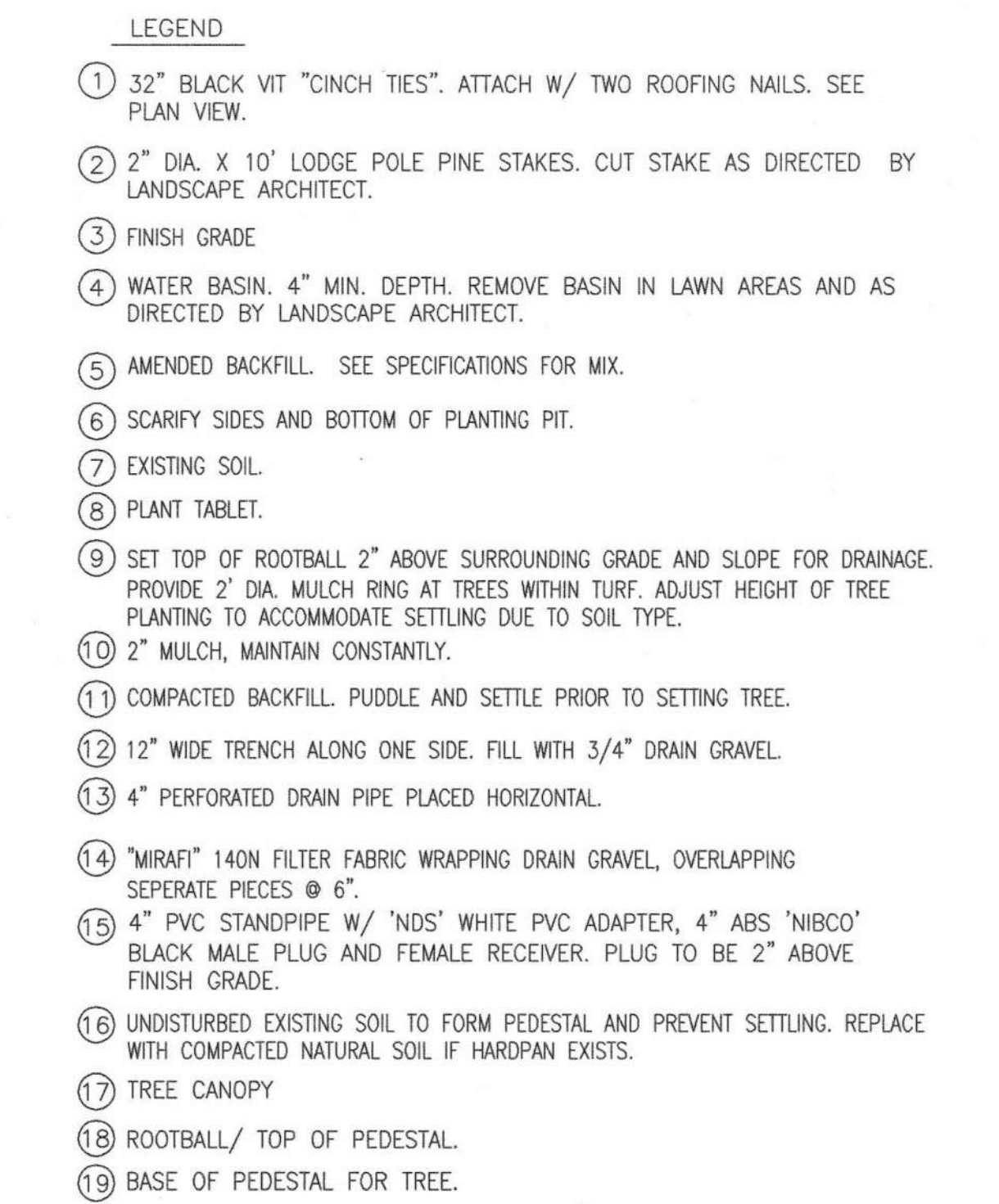
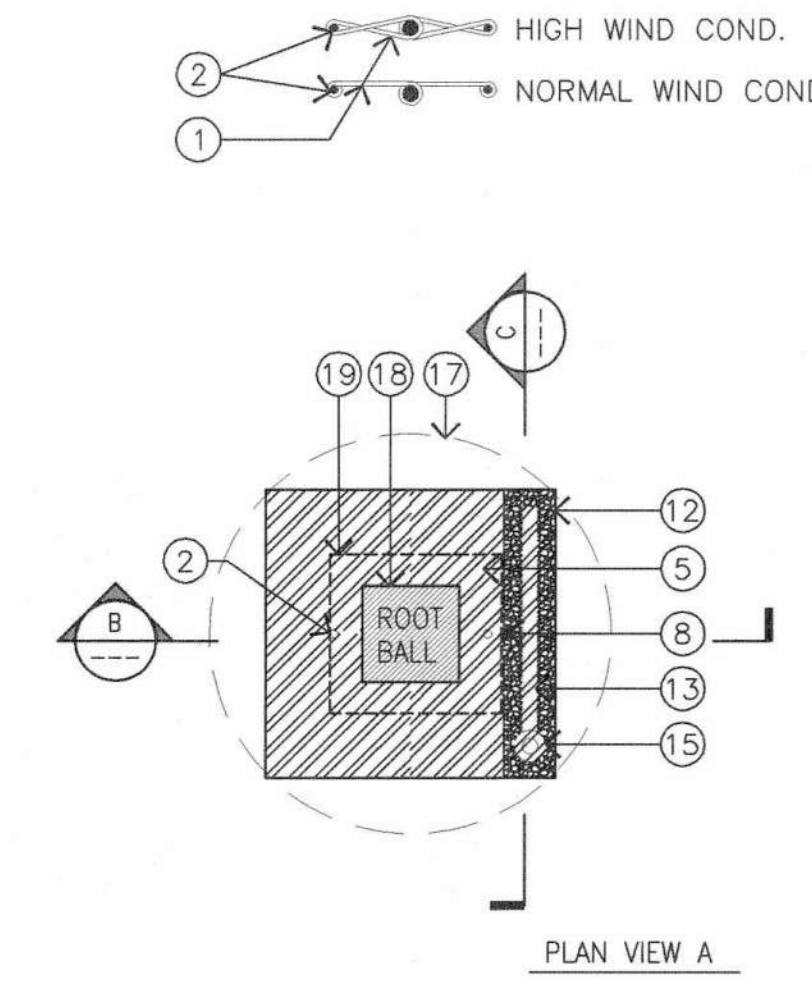
TREE PLANTING AT GRATE NTS 17



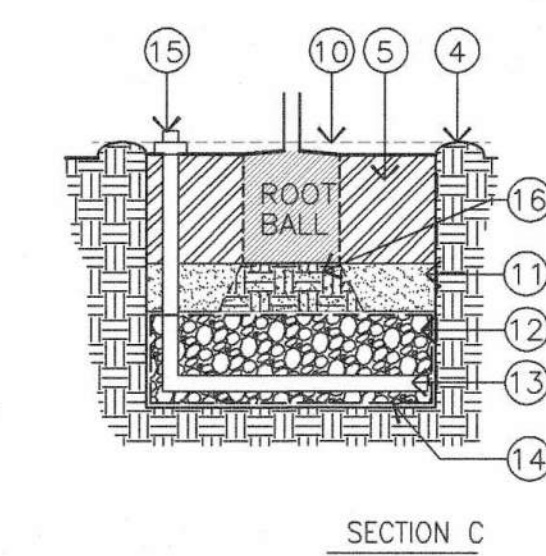
TRIANGULAR SPACING 1/4" = 1'-0" DT02LP10 18



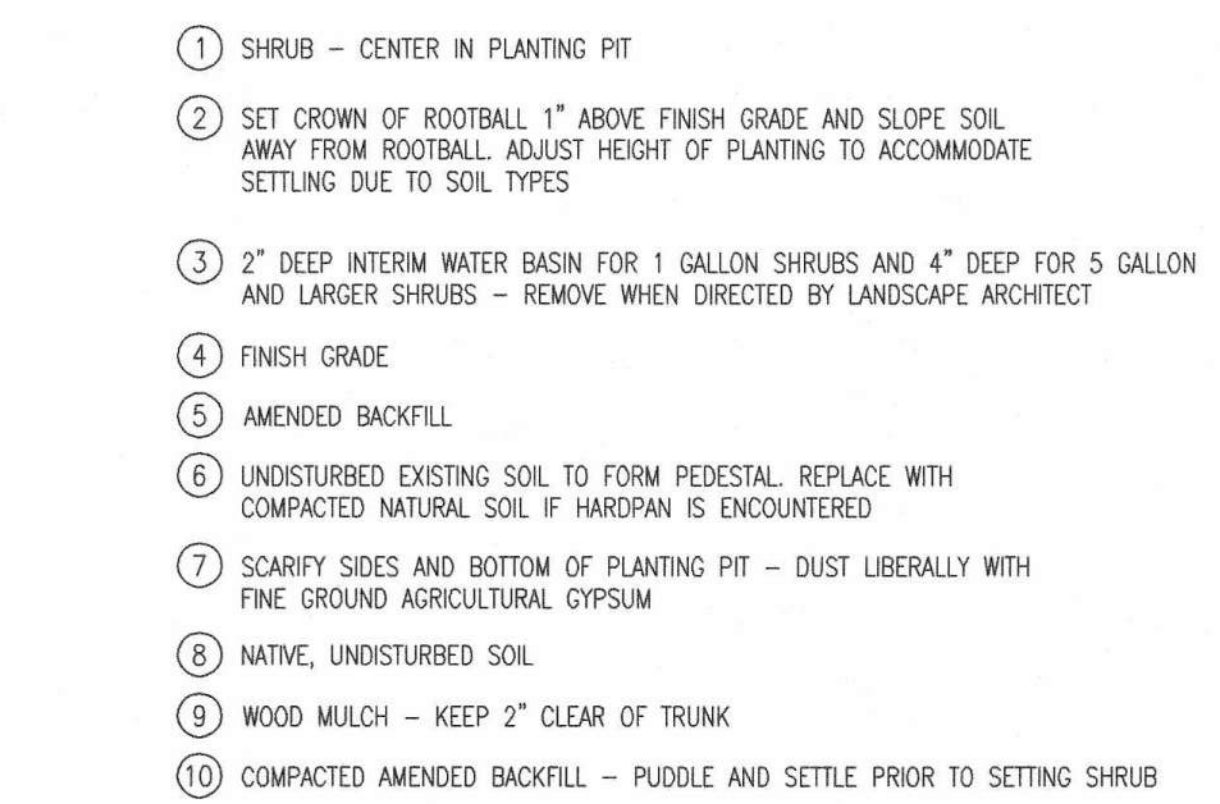
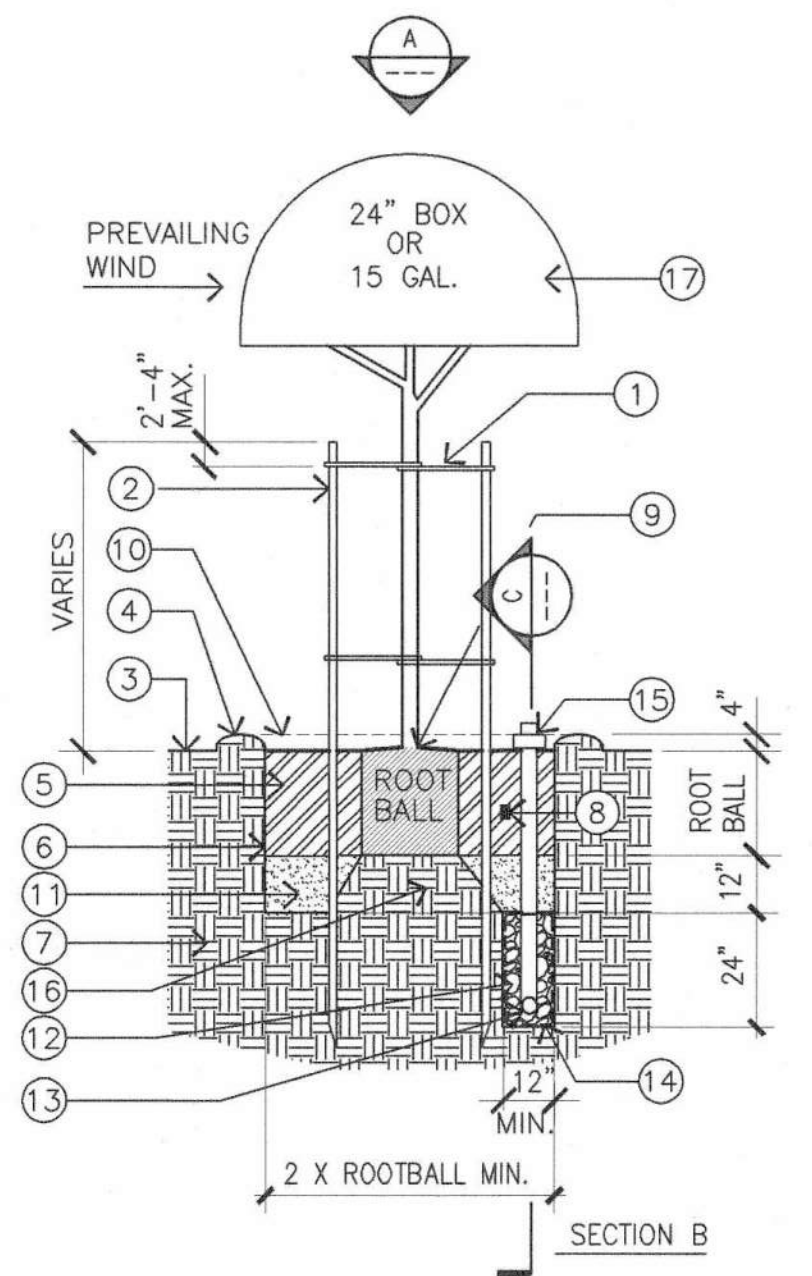
TREE GUYING AND PLANTING DETAIL 1/4" = 1'-0" DT02LP10 10



NOTE:  
1. SEE DETAIL (10) FOR TREES 36" BOX SIZE AND LARGER.  
2. SEE DETAIL (17) FOR TREE PLANTING AT GRATE.

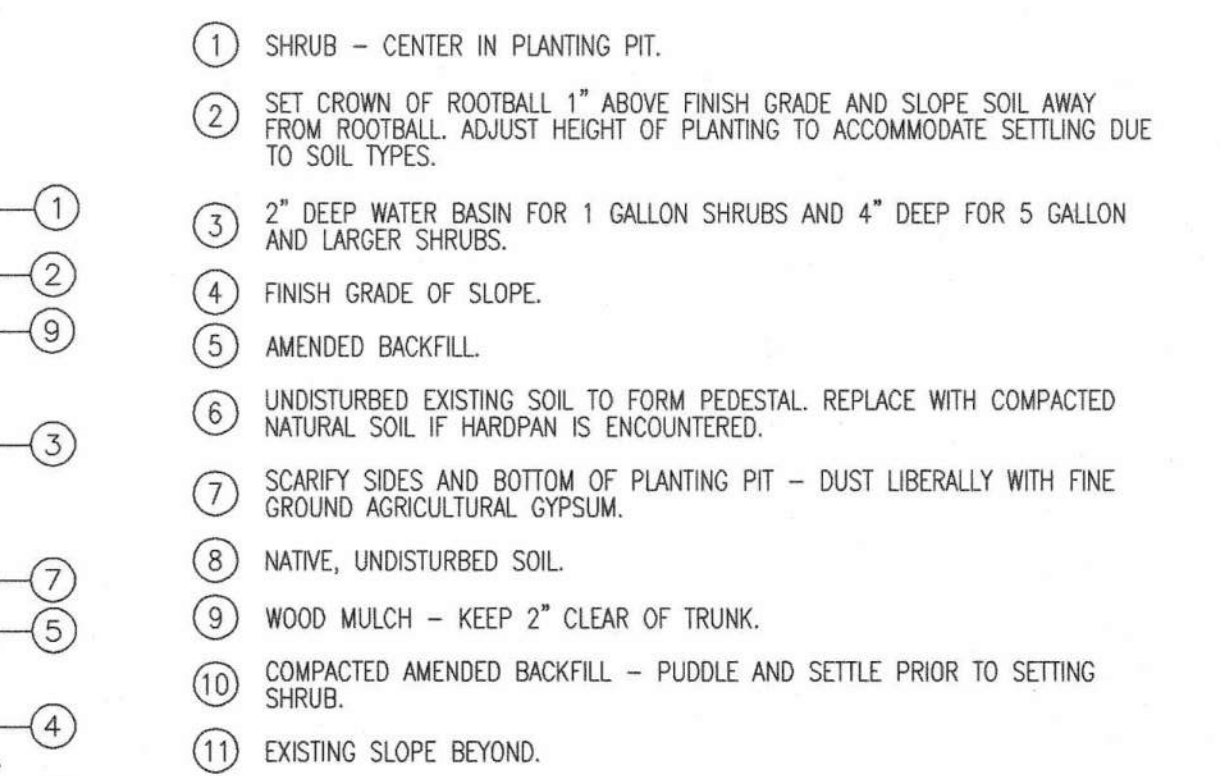
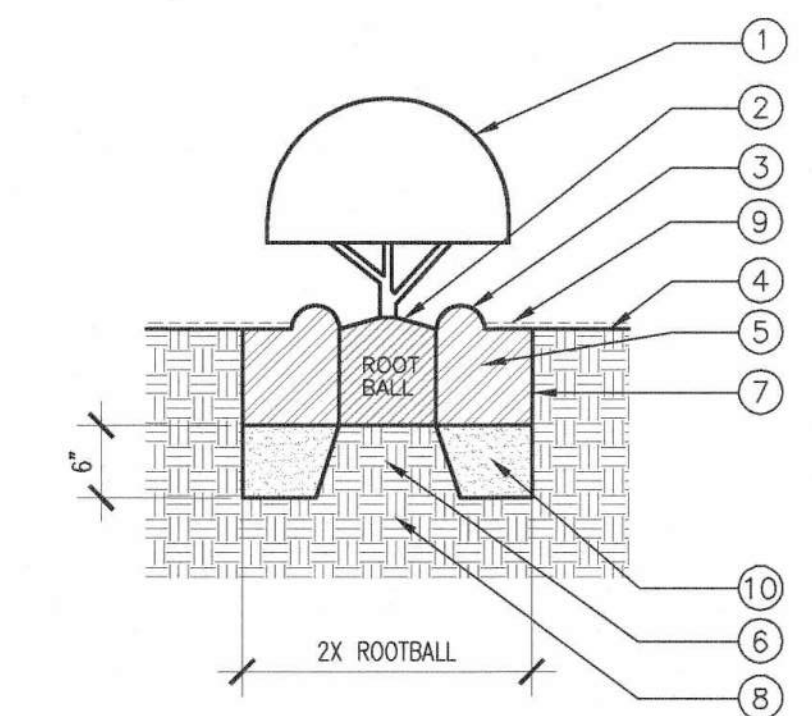


TREE STAKING AND PLANTING DETAIL 1/4" = 1'-0" DT02LP11 02



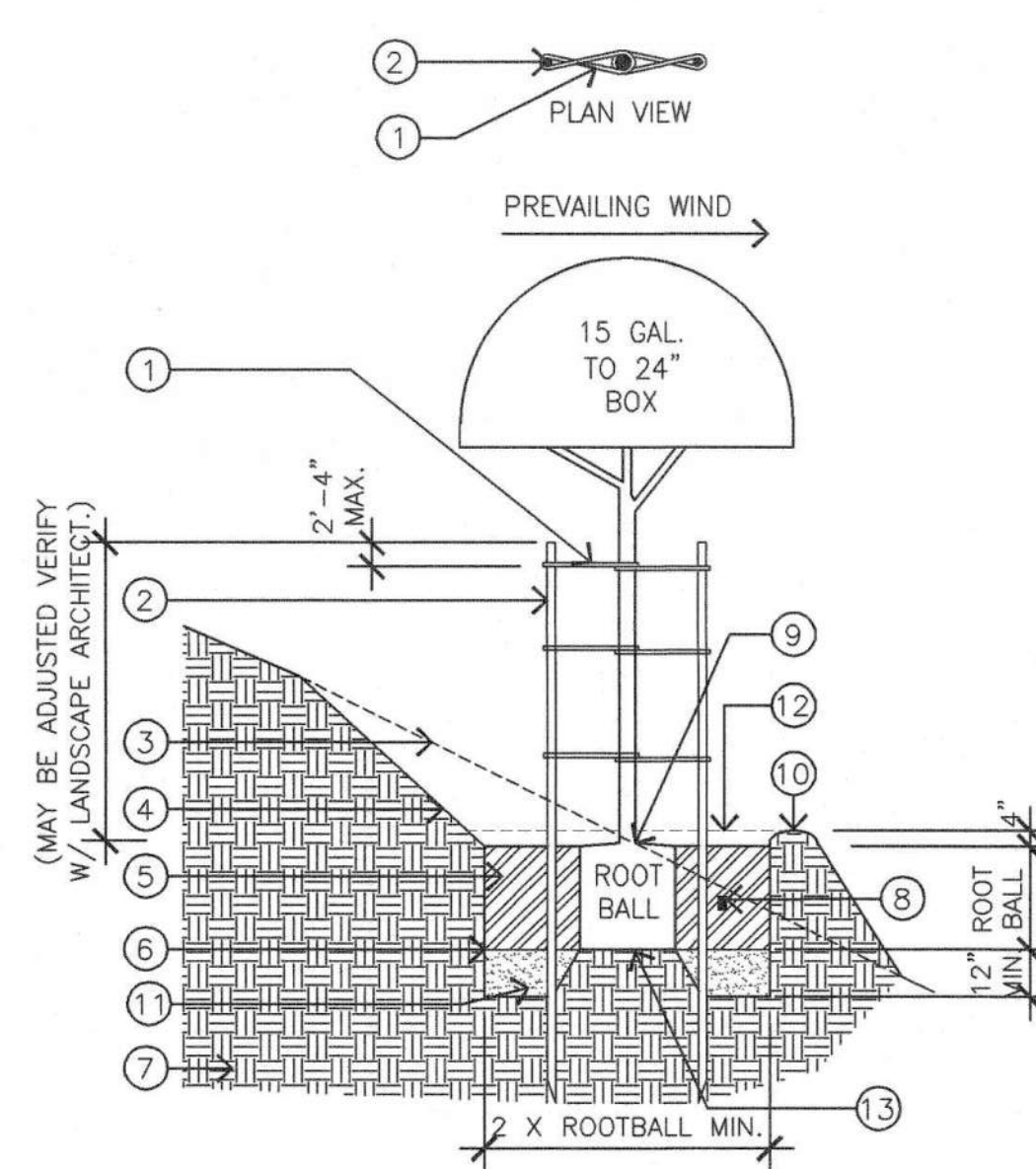
NOTES:  
A. SEE PLANTING SPECIFICATION FOR ADDITIONAL INFORMATION.  
B. SEE DETAIL (04) FOR SHRUB PLANTING ON SLOPE.  
C. SEE DETAIL (18) FOR SHRUB SPACING DIAGRAM.

SHRUB PLANTING 3/4" = 1'-0" SAME 03

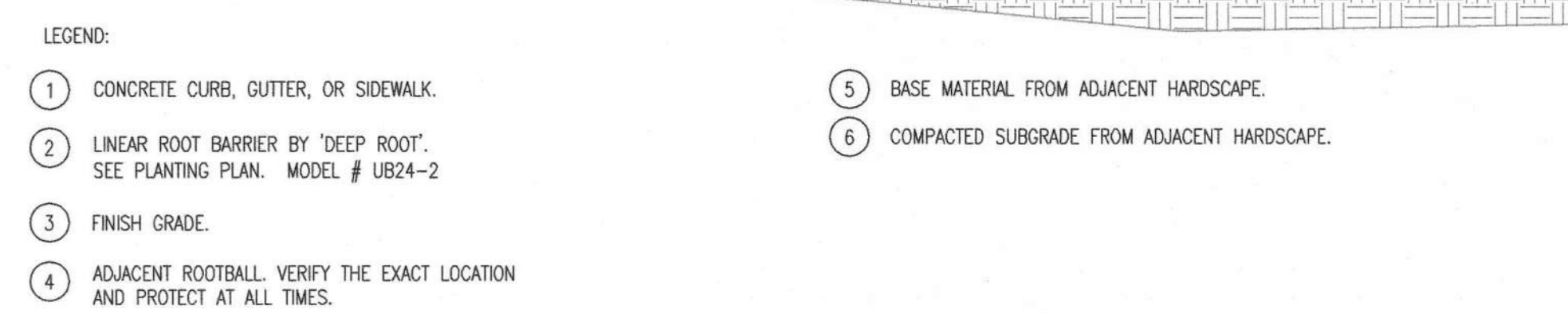
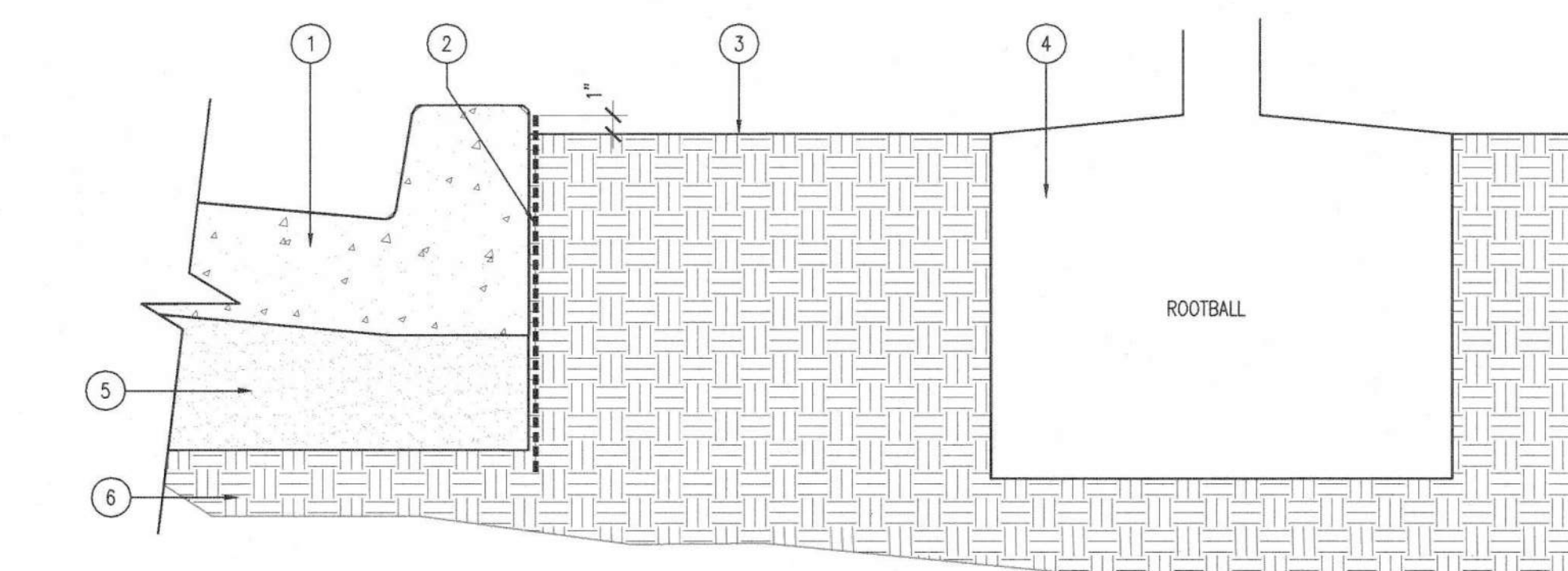


NOTES:  
A. SEE DETAIL (18) FOR SPACING DIAGRAM.  
B. SEE PLANTING SPECIFICATION FOR ADDITIONAL INFORMATION.

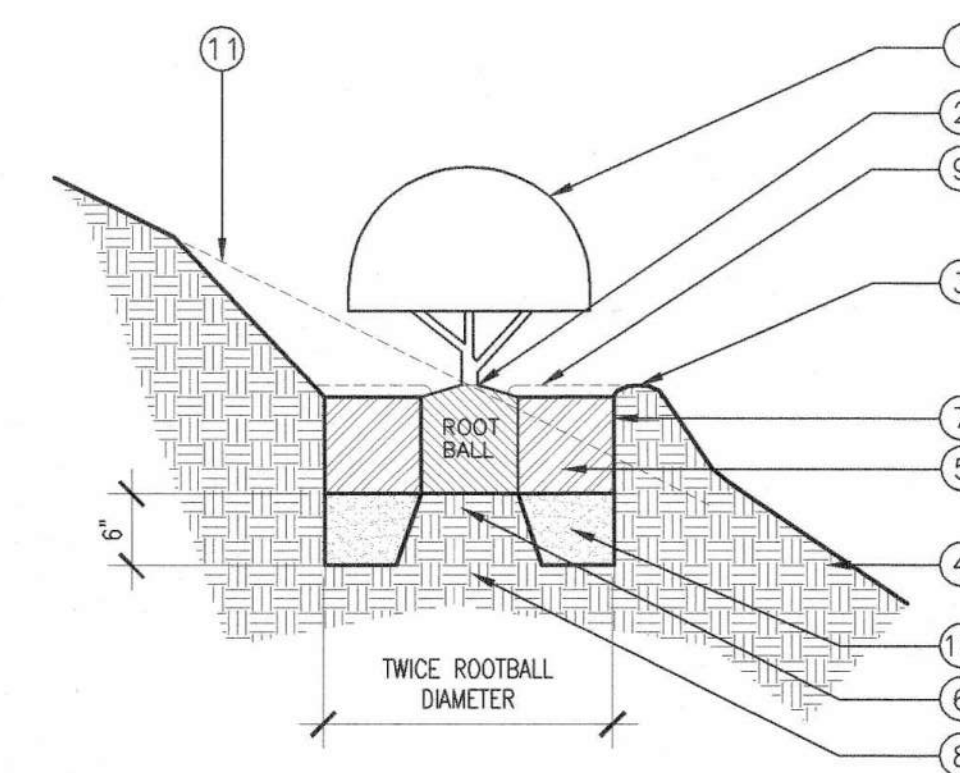
SHRUB PLANTING ON SLOPE 3/4" = 1'-0" SAME 04



TREE STAKING AND PLANTING ON SLOPE 1/4" = 1'-0" DT02LP12 20



LINEAR ROOT BARRIER 1 1/2" = 1'-0" LinearRootBarrier 12



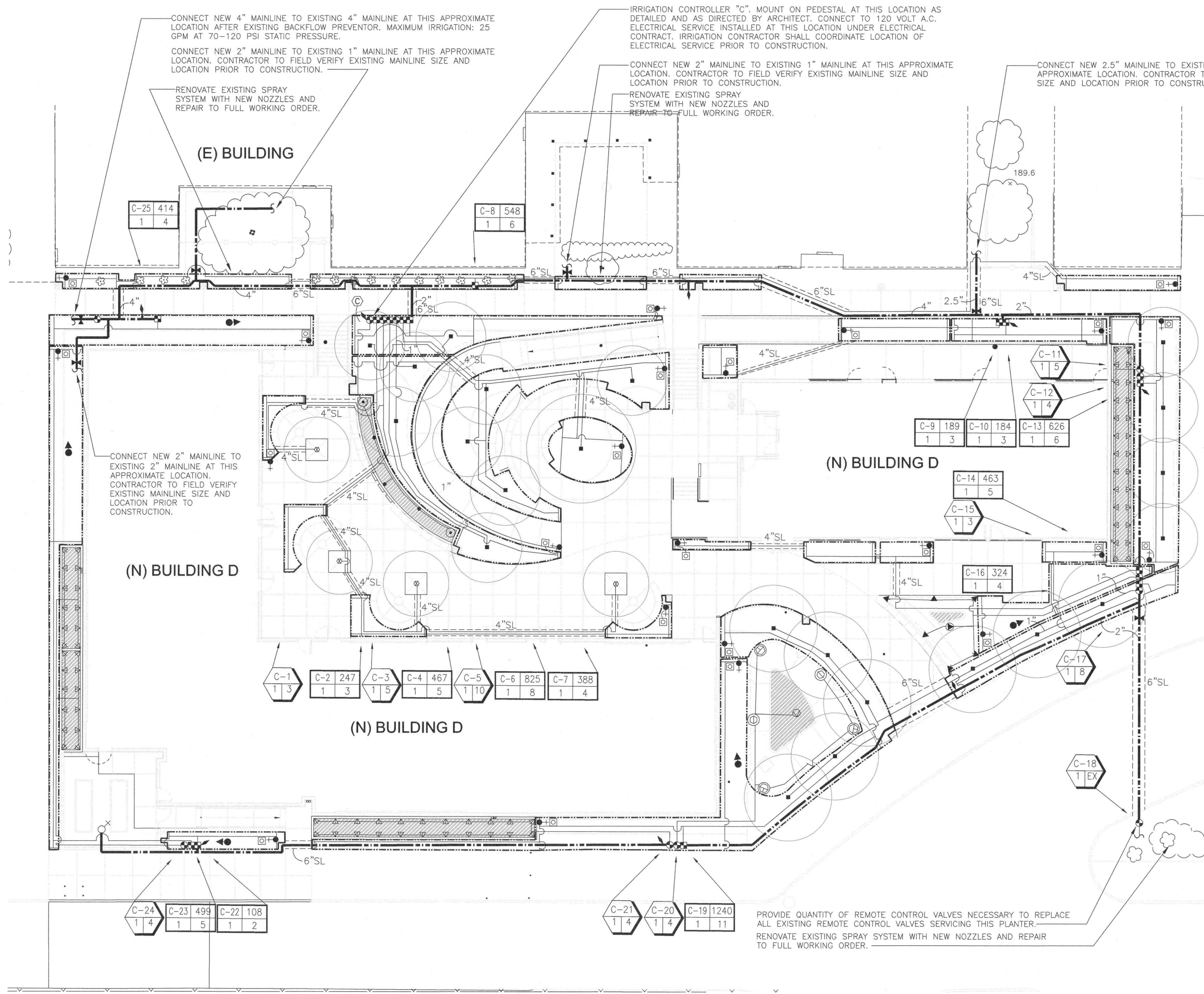
NOTES:  
A. SEE DETAIL (18) FOR SPACING DIAGRAM.  
B. SEE PLANTING SPECIFICATION FOR ADDITIONAL INFORMATION.

Date	Revision
03.18.2015	
05.17.2015	
06.16.2015	
07.22.2015	
08.12.2015	
03.08.2017	

Submitted	Date
100% SCHEMATIC DESIGN	03.18.2015
100% DESIGN DEVELOPMENT	05.17.2015
60% CONSTRUCTION DOCUMENT	06.16.2015
80% CONSTRUCTION DOCUMENTS	07.22.2015
DSA SUBMITTAL	08.12.2015
DSA APPROVAL	03.08.2017

Job No.	1602010
Date	03.08.2017
Checked by	
Scale	AS SHOWN





CONNECT NEW 4" MAINLINE TO EXISTING 4" MAINLINE AT THIS APPROXIMATE LOCATION AFTER EXISTING BACKFLOW PREVENTOR. MAXIMUM IRRIGATION: 25 GPM AT 70-120 PSI STATIC PRESSURE.

CONNECT NEW 2" MAINLINE TO EXISTING 1" MAINLINE AT THIS APPROXIMATE LOCATION. CONTRACTOR TO FIELD VERIFY EXISTING MAINLINE SIZE AND LOCATION PRIOR TO CONSTRUCTION.

RENOVATE EXISTING SPRAY SYSTEM WITH NEW NOZZLES AND REPAIR TO FULL WORKING ORDER.

IRRIGATION CONTROLLER "C". MOUNT ON PEDESTAL AT THIS LOCATION AS DETAILED AND AS DIRECTED BY ARCHITECT. CONNECT TO 120 VOLT A.C. ELECTRICAL SERVICE INSTALLED AT THIS LOCATION UNDER ELECTRICAL CONTRACT. IRRIGATION CONTRACTOR SHALL COORDINATE LOCATION OF ELECTRICAL SERVICE PRIOR TO CONSTRUCTION.

CONNECT NEW 2" MAINLINE TO EXISTING 1" MAINLINE AT THIS APPROXIMATE LOCATION. CONTRACTOR TO FIELD VERIFY EXISTING MAINLINE SIZE AND LOCATION PRIOR TO CONSTRUCTION.

RENOVATE EXISTING SPRAY SYSTEM WITH NEW NOZZLES AND REPAIR TO FULL WORKING ORDER.

CONNECT NEW 2.5" MAINLINE TO EXISTING 2.5" MAINLINE AT THIS APPROXIMATE LOCATION. CONTRACTOR TO FIELD VERIFY EXISTING MAINLINE SIZE AND LOCATION PRIOR TO CONSTRUCTION.

CONNECT NEW 2" MAINLINE TO EXISTING 2" MAINLINE AT THIS APPROXIMATE LOCATION. CONTRACTOR TO FIELD VERIFY EXISTING MAINLINE SIZE AND LOCATION PRIOR TO CONSTRUCTION.

PROVIDE QUANTITY OF REMOTE CONTROL VALVES NECESSARY TO REPLACE ALL EXISTING REMOTE CONTROL VALVES SERVICING THIS PLANTER.

RENOVATE EXISTING SPRAY SYSTEM WITH NEW NOZZLES AND REPAIR TO FULL WORKING ORDER.

NOTES:

- ONE BUBBLER SYMBOL IS SHOWN AT TREES FOR GRAPHIC CLARITY ONLY. INSTALL MINIMUM TWO BUBBLERS AT EACH TREE. INSTALL REQUIRED NUMBER OF BUBBLERS AS DETAILED.
- IRRIGATION EQUIPMENT MAY BE SHOWN WITHIN HARDSCAPE FOR GRAPHIC CLARITY ONLY. INSTALL ALL IRRIGATION EQUIPMENT WITHIN PLANTED AREAS. IRRIGATION PIPE AND WIRE CROSSING BENEATH HARDSCAPE SURFACES SHALL BE CONTAINED WITHIN SLEEVING OR SCHEDULE 40 PVC CONDUIT. SLEEVING SIZE SHALL BE A MINIMUM OF TWO TIMES THE AGGREGATE DIAMETER OF ALL PIPES CONTAINED WITHIN SLEEVE. PROVIDE VERTICAL SWEEP FOR ALL ELECTRICAL CONDUIT ON EACH SIDE OF HARDSCAPE AND TERMINATE ENDS AT 12" MINIMUM DEPTH AND 12" FROM HARDSCAPE SURFACE.
- UNSIZE LATERAL LINE PIPING LOCATED DOWN STREAM OF 1" PIPING SHALL BE 3/4" IN SIZE (TYPICAL).
- SIZING OF LATERAL PIPE SHALL BE AS FOLLOWS:
 

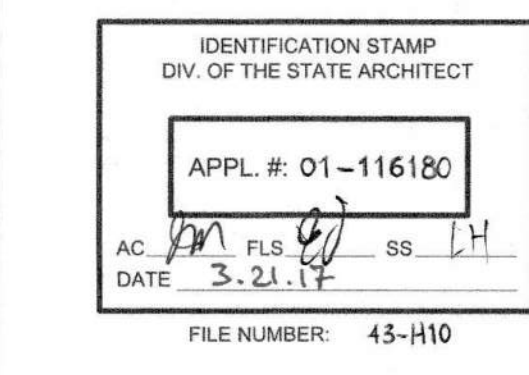
.75"	0-6 GPM
1"	7-12 GPM
1.25"	13-20 GPM
1.5"	21-32 GPM
2"	33-50 GPM
- SIZING OF LATERAL PIPE FOR DRIPLINE (12" O.C. GRID WITH 0.6 GPH OR LESS EMITTERS) SHALL BE AS FOLLOWS:
 

.75"	0-500 FT
1"	501-1100 FT
1.25"	1101-2000 FT
1.5"	2001-3000 FT

IRRIGATION PLAN 01



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Revision	Date
100% SCHEMATIC DESIGN	03.13.2016
100% DESIGN DEVELOPMENT	05.17.2016
50% CONSTRUCTION DOCUMENTS	06.13.2016
50% CONSTRUCTION DOCUMENTS	07.27.2016
DESIGN SUBMITTAL	08.12.2016
DESIGN APPROVAL	03.02.2017

Submittal: 100% SCHEMATIC DESIGN, 100% DESIGN DEVELOPMENT, 50% CONSTRUCTION DOCUMENTS, DESIGN SUBMITTAL, DESIGN APPROVAL

Job No.: 1602010  
 Date: 03.08.2017  
 Checked by:  
 Scale: 1"=10'-0"



IRRIGATION NOTES

- 1. THESE IRRIGATION DRAWINGS ARE DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE INSTALLED. ALL PIPING, VALVES, AND OTHER IRRIGATION COMPONENTS...

- 15. WITHIN MULCHED AREAS: INSTALL BLACK PLASTIC VALVE BOXES WITH BOLT DOWN, NON HINGED COVER MARKED "IRRIGATION"...

- B. FABRICATE A TEE AND NIPPLE ASSEMBLY REQUIRED FOR CONNECTION OF NEW MAIN LINE BETWEEN REMOVED PORTION OF EXISTING MAIN LINE...

IRRIGATION LEGEND

Table with columns: SYMBOL, MODEL NUMBER, DESCRIPTION, NOZZLE GPM, OPERATING PSI, OPERATING RADIUS (FEET). Includes symbols for various valves and pipes.

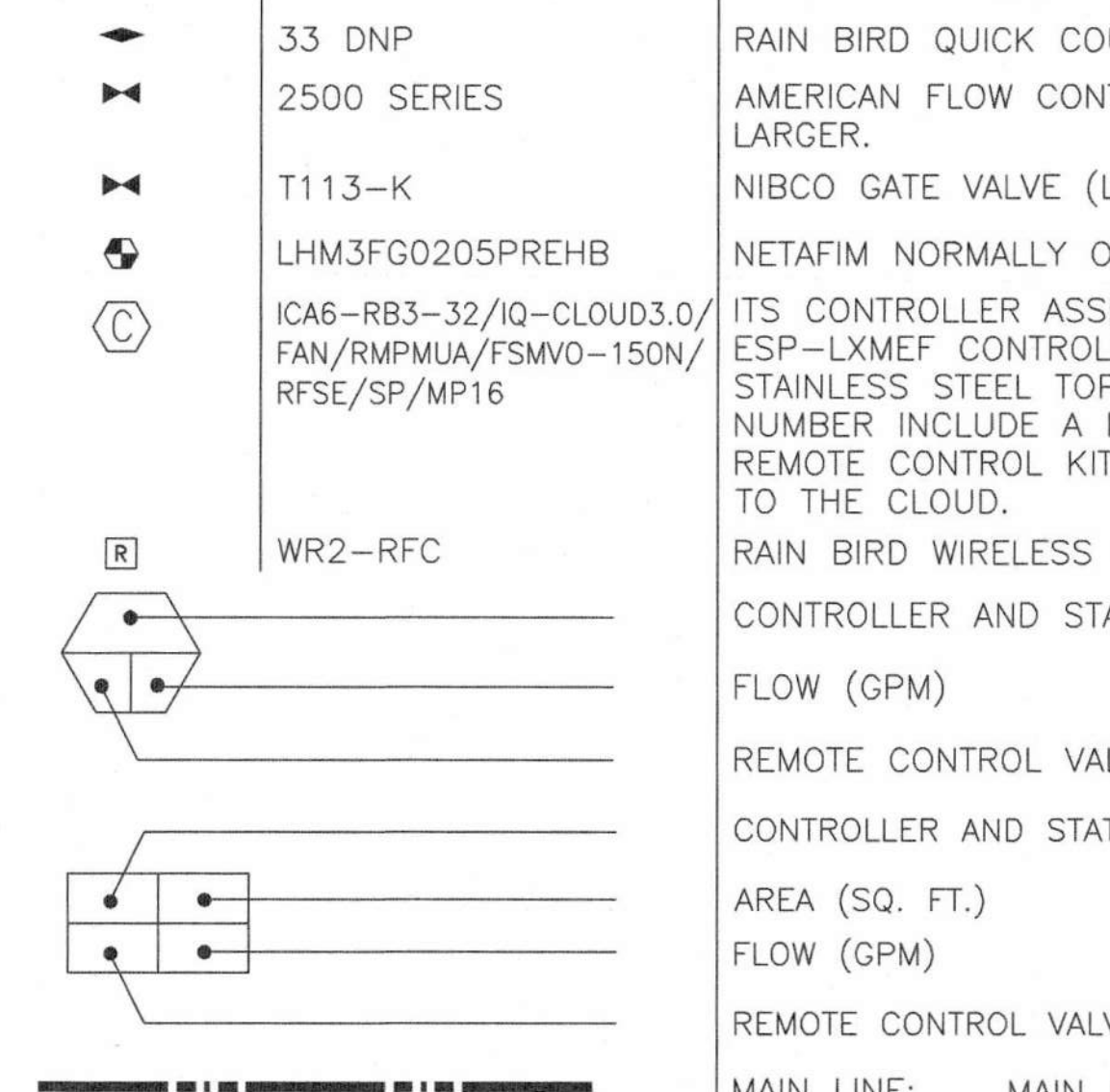
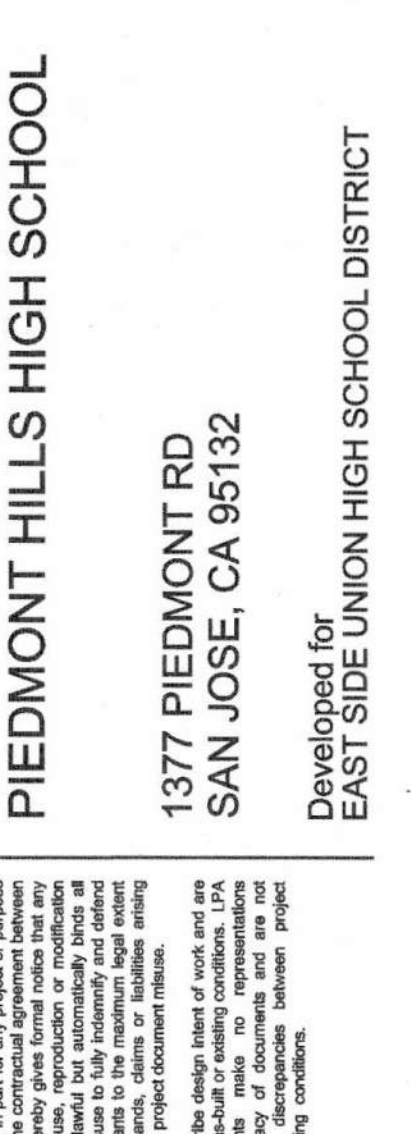


Table for 'WATER CALCULATION' titled 'Piedmont High School - HYDROZONE CHART'. Includes columns for Hydrozone, Water Use Type, Plant Factor, Irrigation Method, Efficiency, etc.

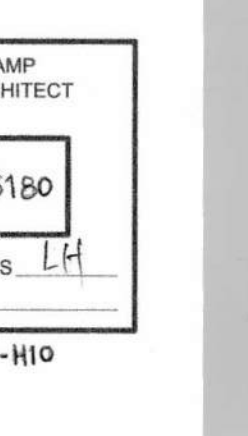


1. HYDROZONE CALCULATION TABLE ETo= 41.8
2. Maximum Applied Water Allowance (MAWA) Gallons Per Year
MAMA = (ETo)(0.62)((LA \* 0.45) + (0.55 \* SLA))

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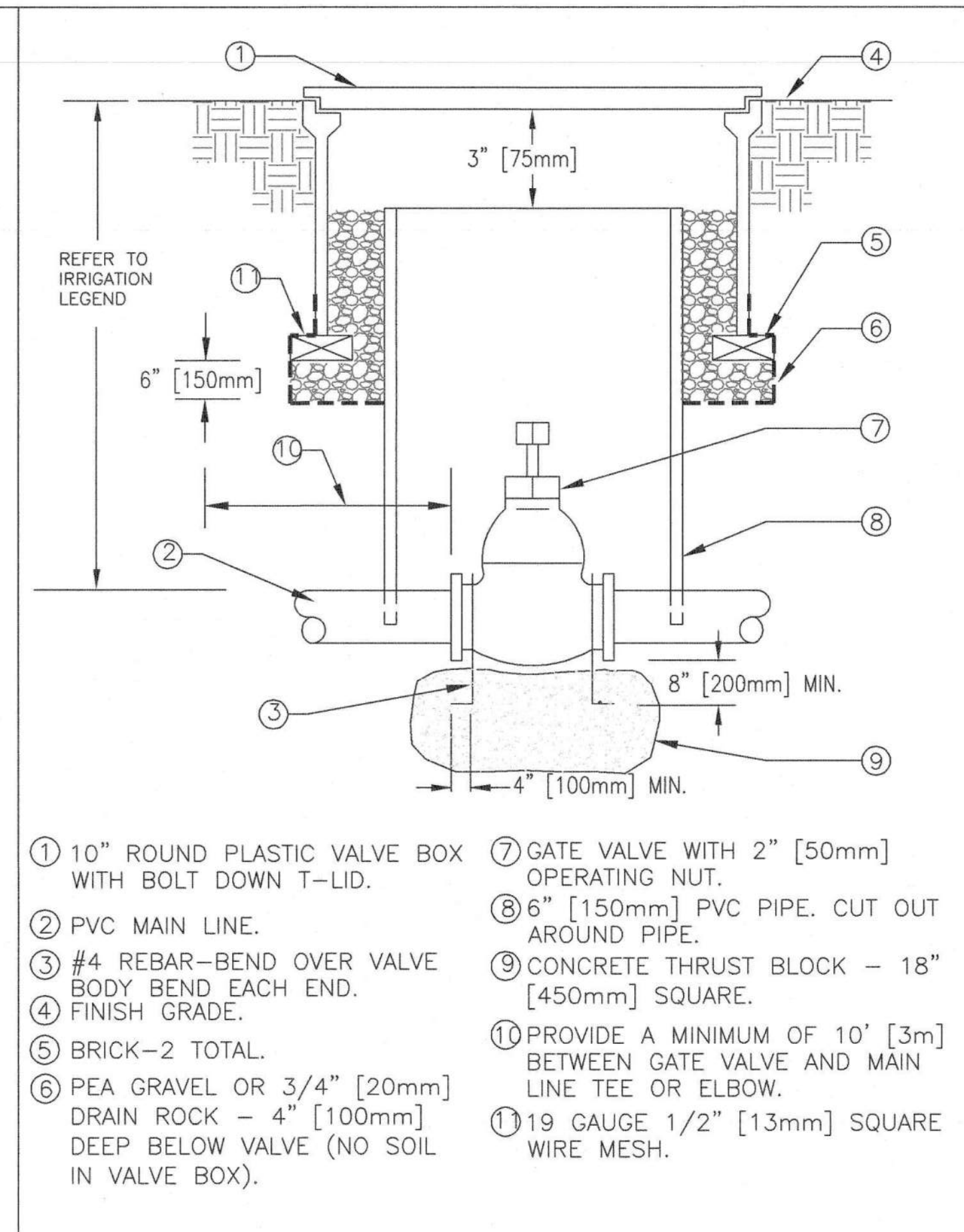
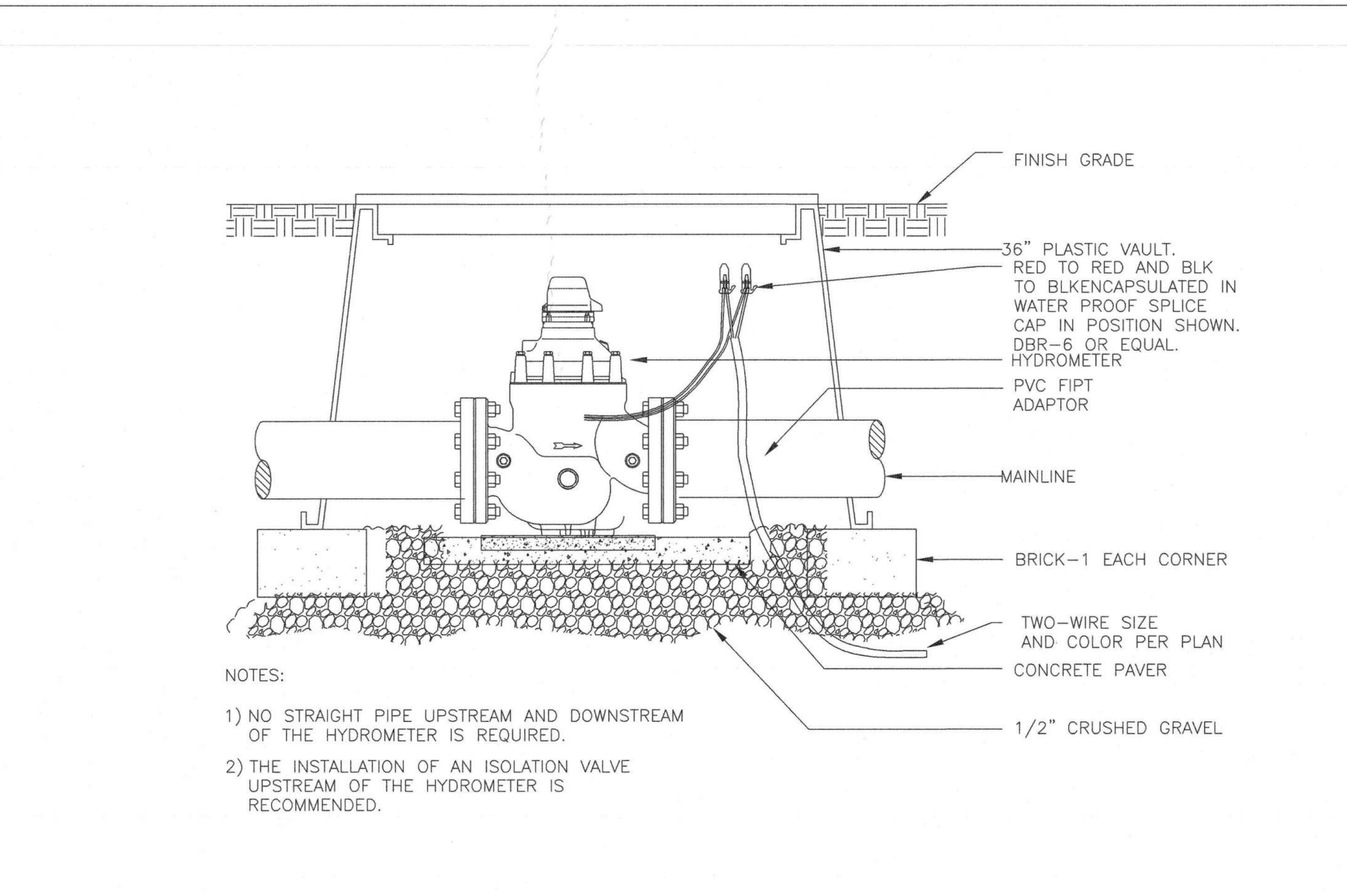
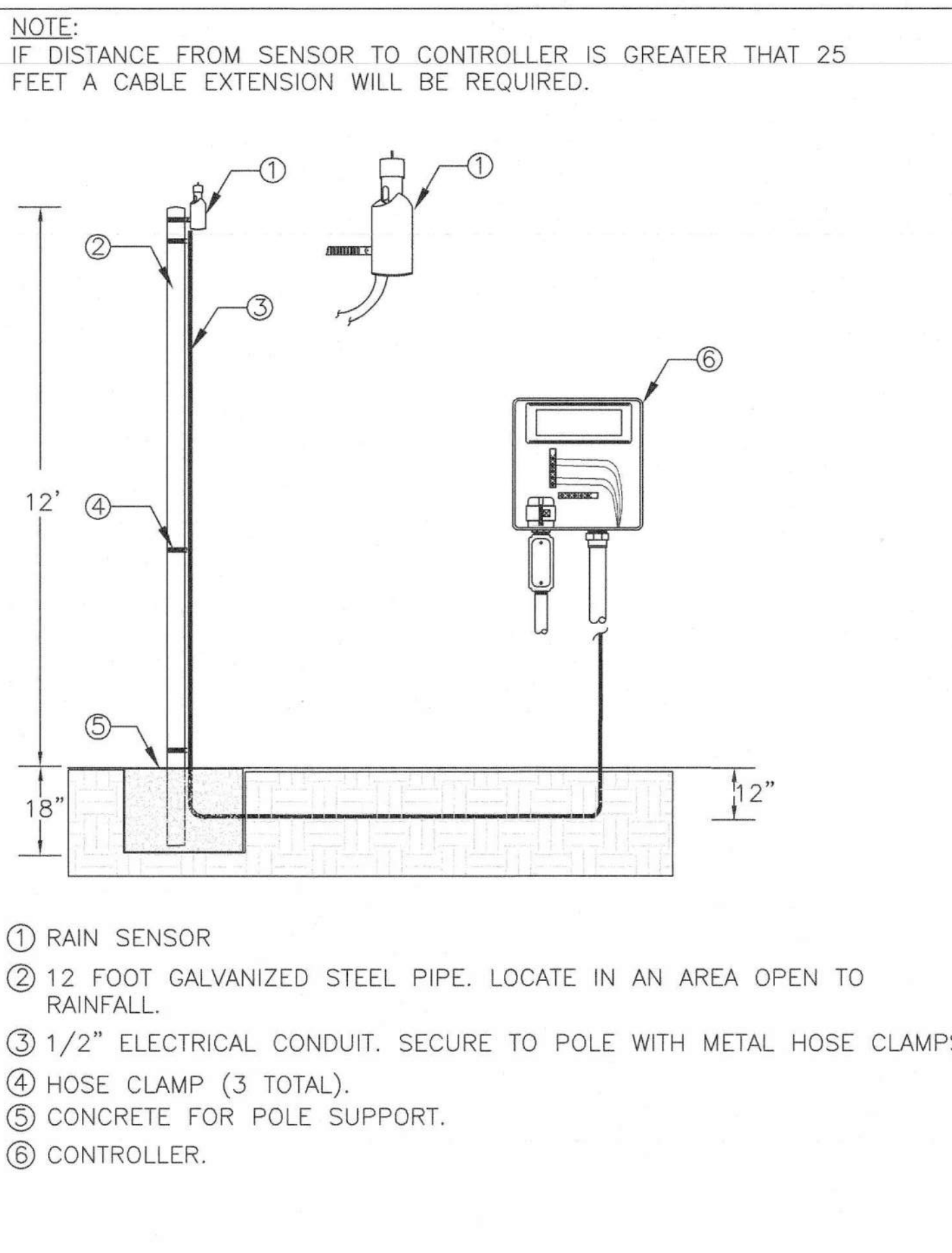
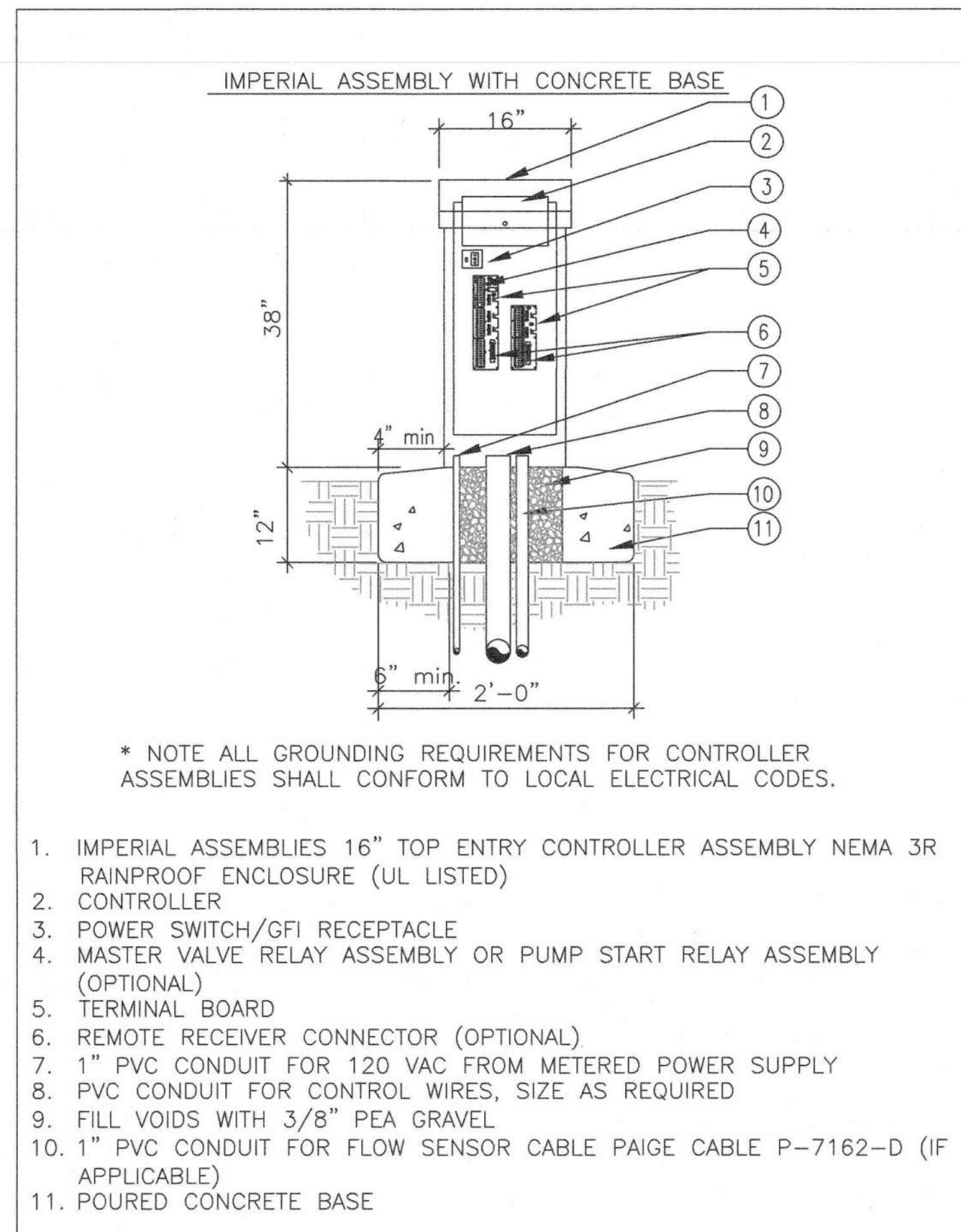


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PROJECT INFORMATION SHEET (PIS) form for 'BUILDING D SCIENCE AND CLASSROOM BUILDING'. Includes fields for Date, Revision, and other project details.



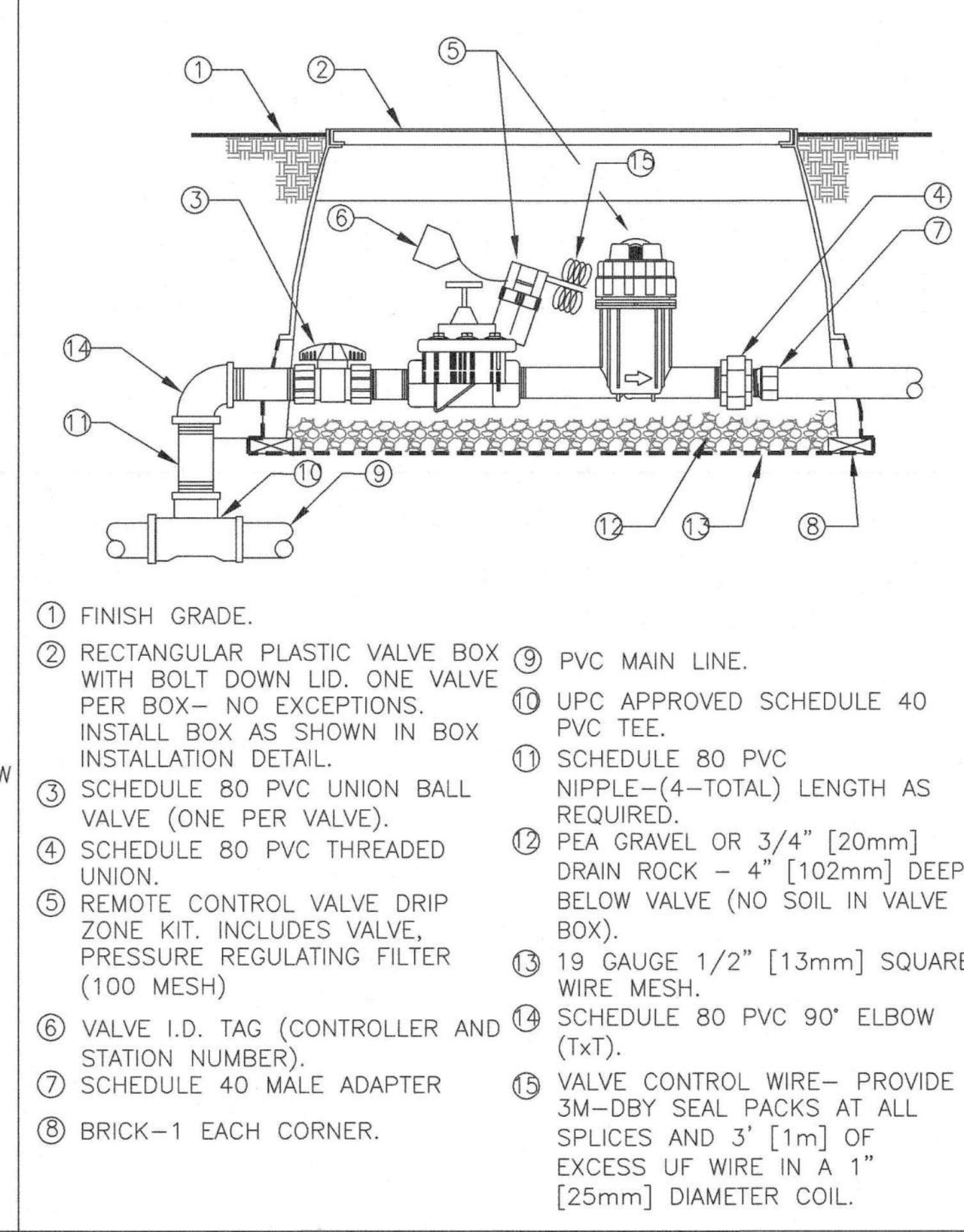
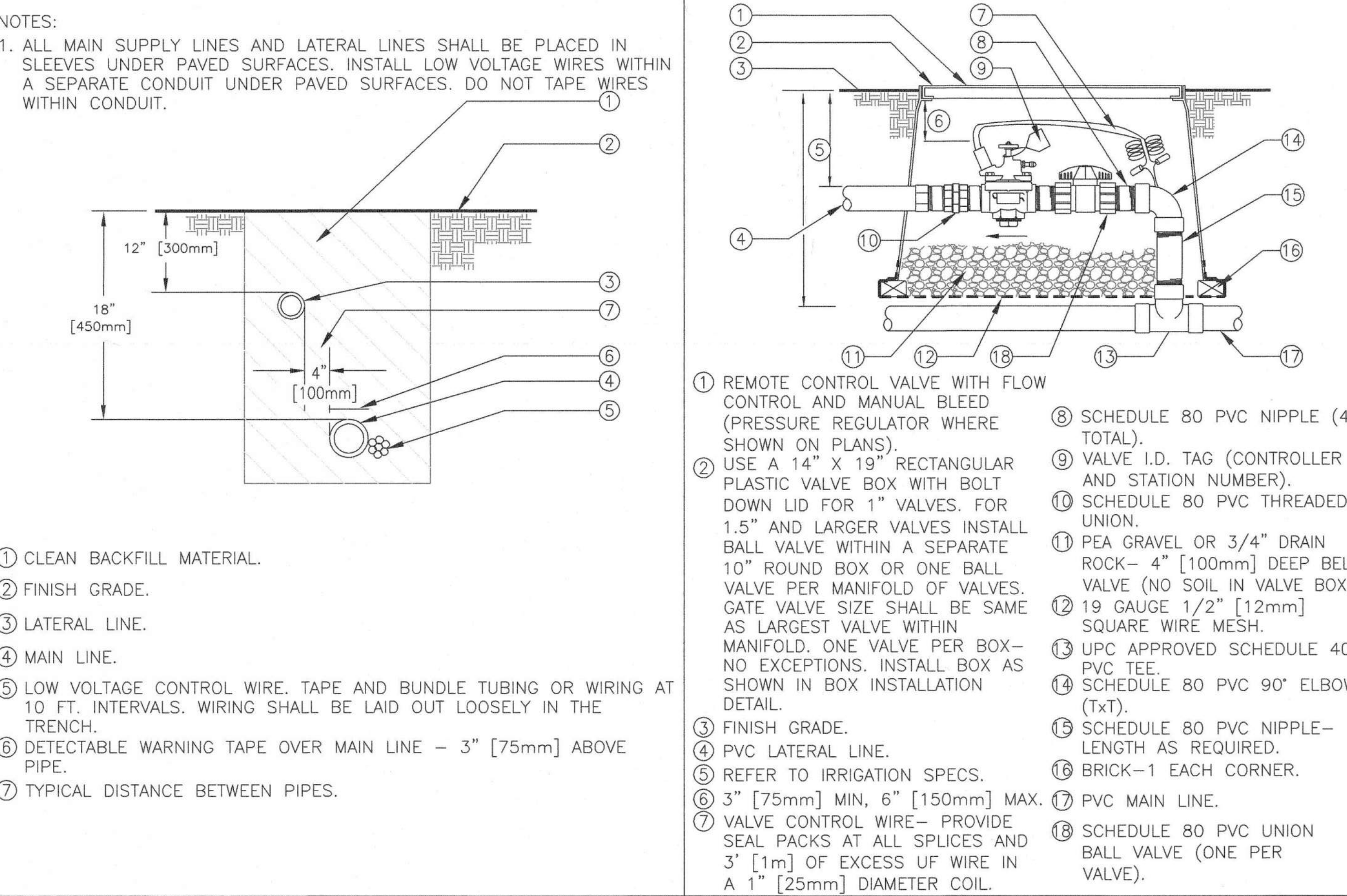
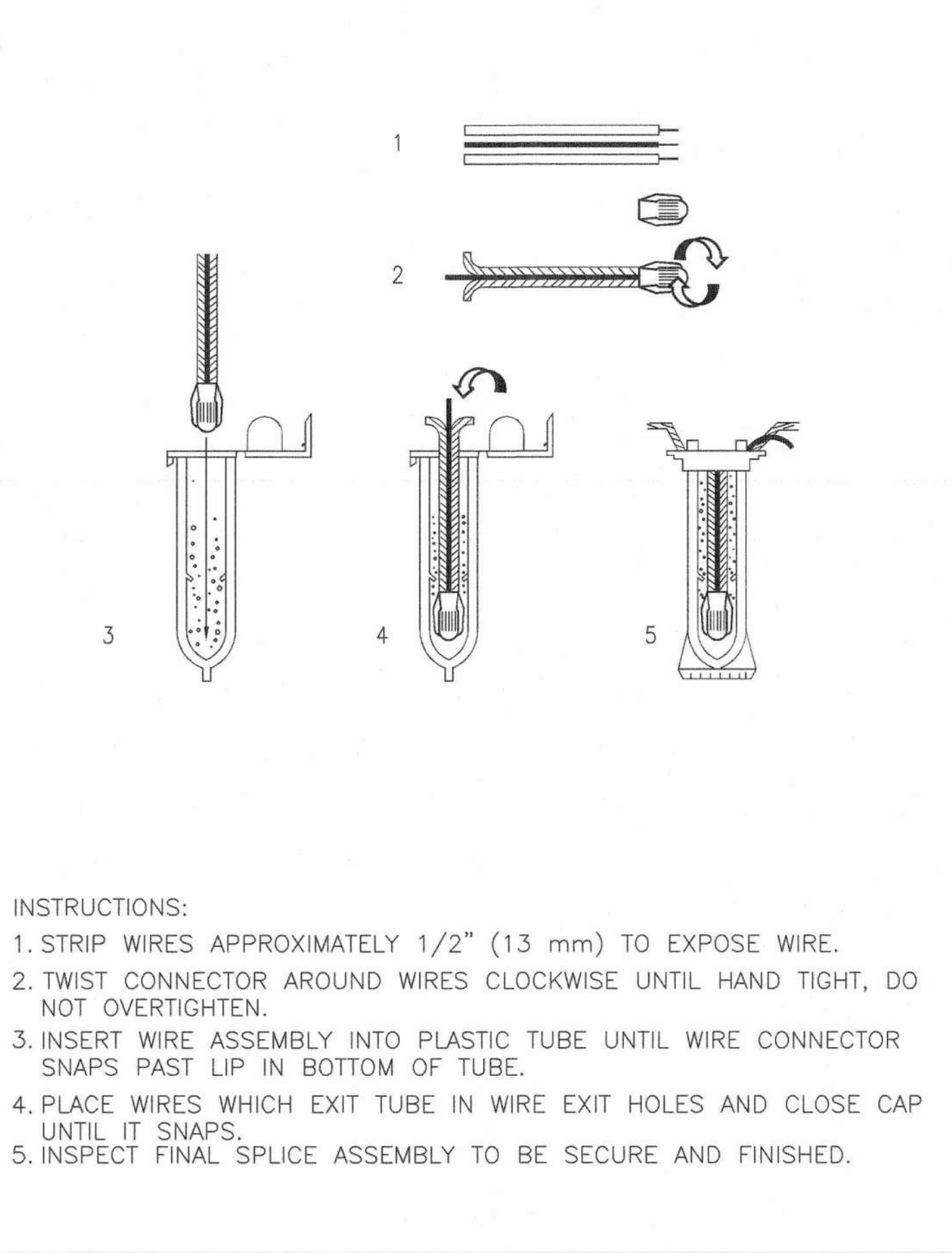
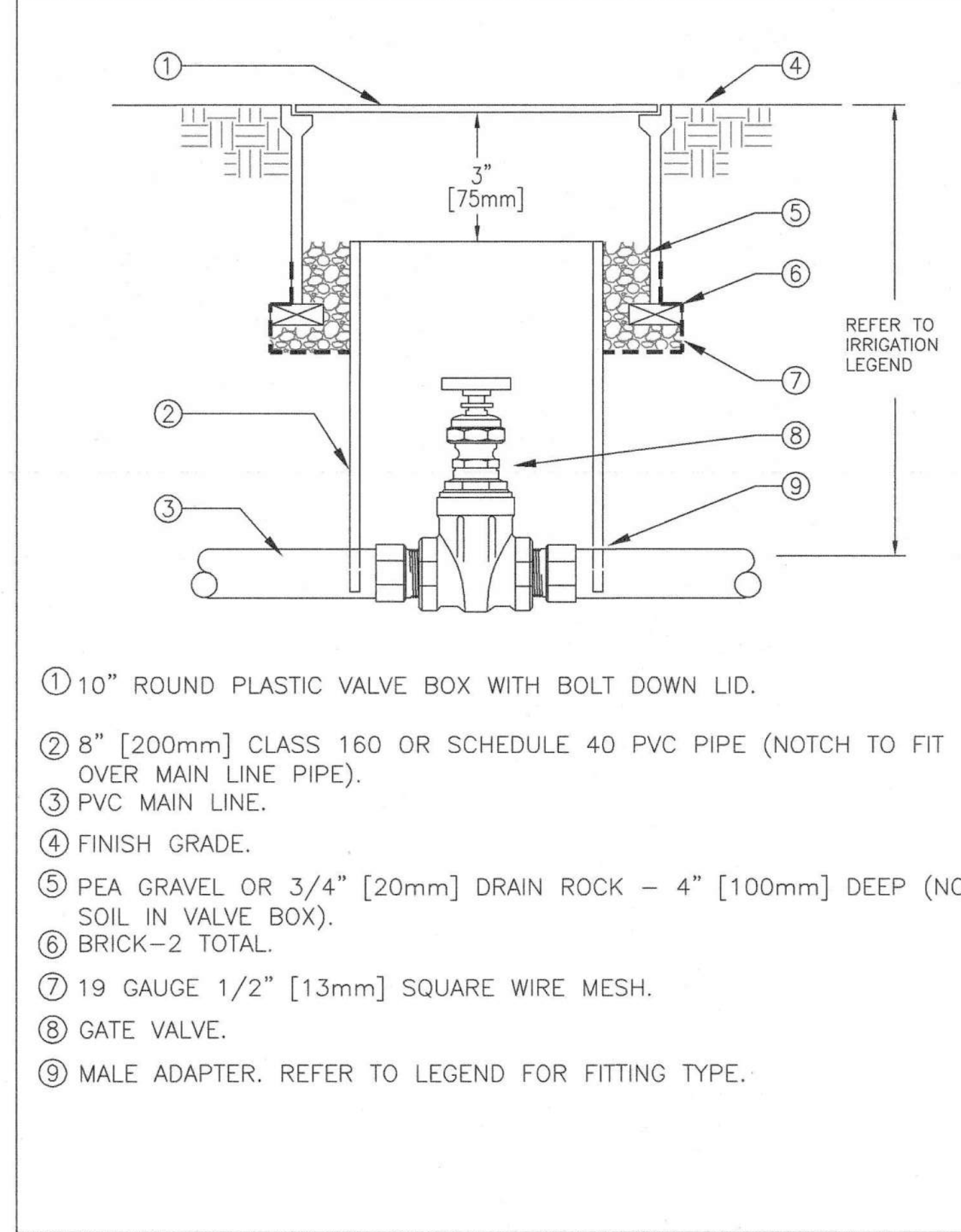


1 ITS 16"x16" TOP ENTRY CONTROLLER ASSEMBLY (ICA6)  
SCALE: NONE  
DET: RAINSENSOR

2 RAIN SENSOR-POLE MOUNT  
SCALE: NONE  
DET: RAINSENSOR

3 HYDROMETER INSTALLATION-FLANGED  
SCALE: NONE  
DET: -

4 GATE VALVE - 4" [100mm] AND LARGER  
SCALE: NONE  
DET: Flange-g



5 GATE VALVE - 3" [75mm] AND SMALLER  
SCALE: NONE  
DET: SGVD

6 WEATHERPROOF WIRE SPLICE ASSEMBLY  
SCALE: NONE  
DET: WIRE-SPL

7 TRENCHING  
SCALE: NONE  
DET: TRENCH

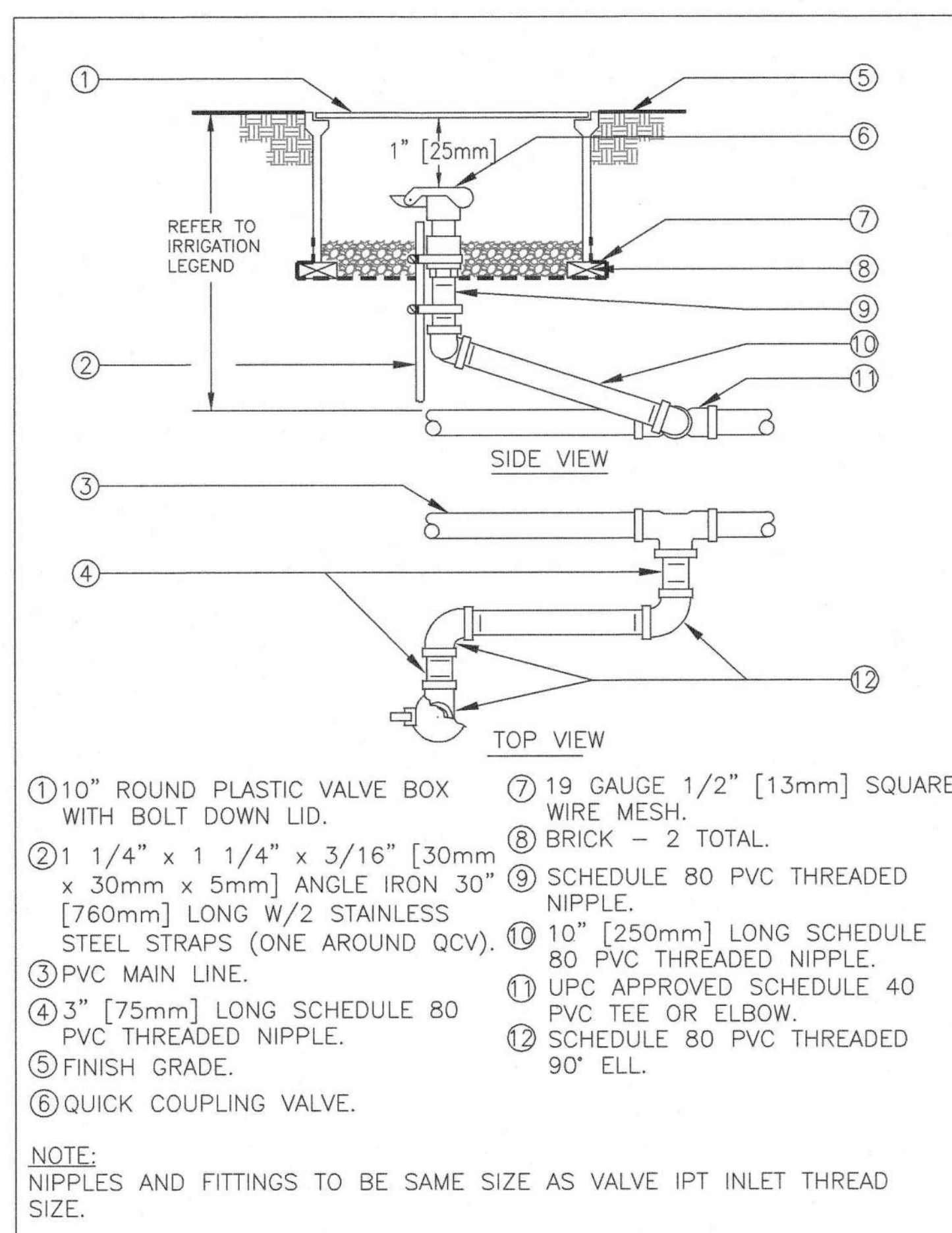
8 REMOTE CONTROL VALVE  
SCALE: NONE  
DET: RCV-UN-BV

9 REMOTE CONTROL VALVE (DRIPZONE)  
SCALE: NONE  
DET: RCV-FILTER1

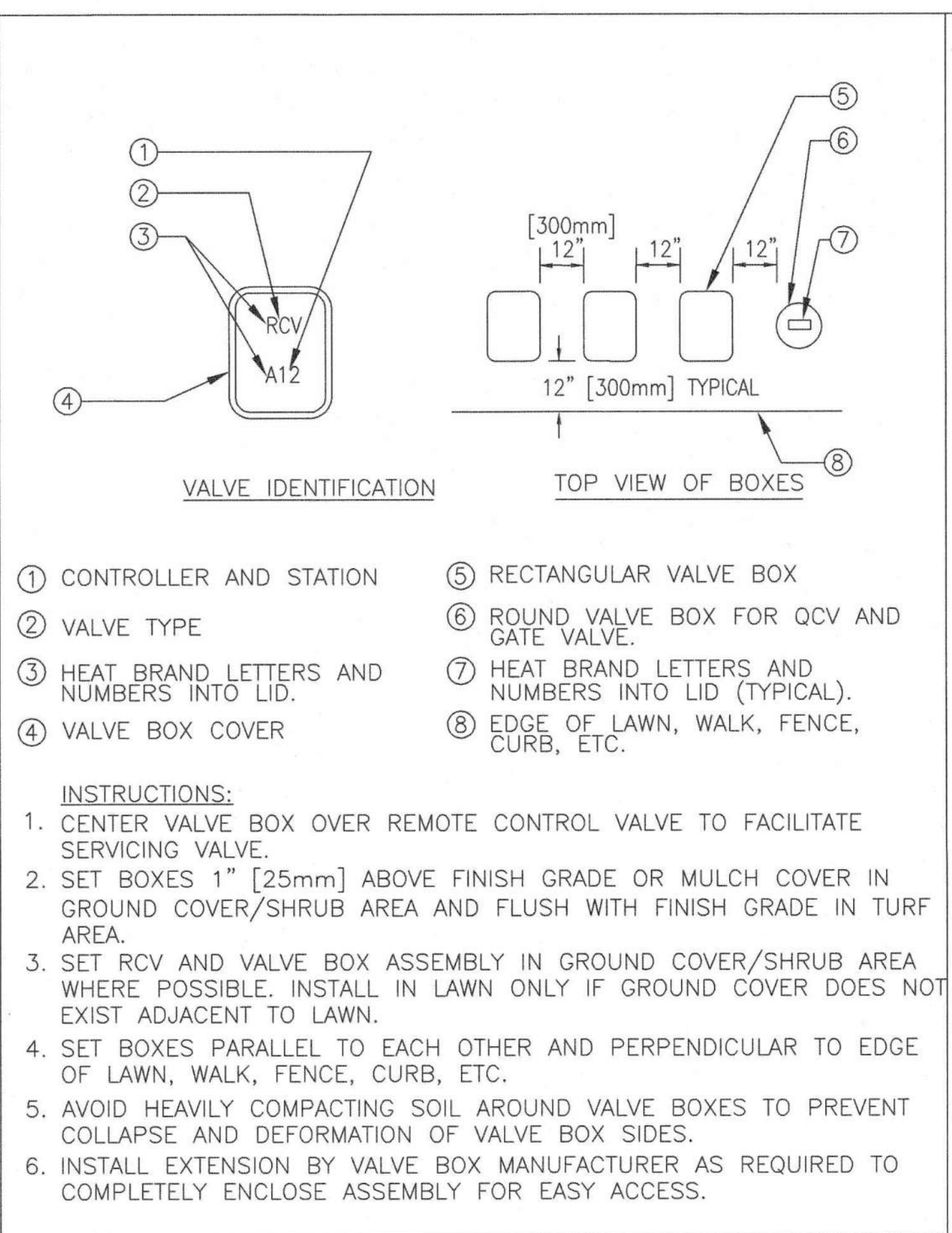
Date:	03.18.2017
100% SCHEMATIC DESIGN:	05.17.2017
50% CONSTRUCTION DOCUMENTS:	07.27.2017
10% CONSTRUCTION DOCUMENTS:	08.13.2017
CON APPROVAL:	08.08.2017

Job No.	1802010
Date	03.08.2017
Checked by	
Scale	NTS

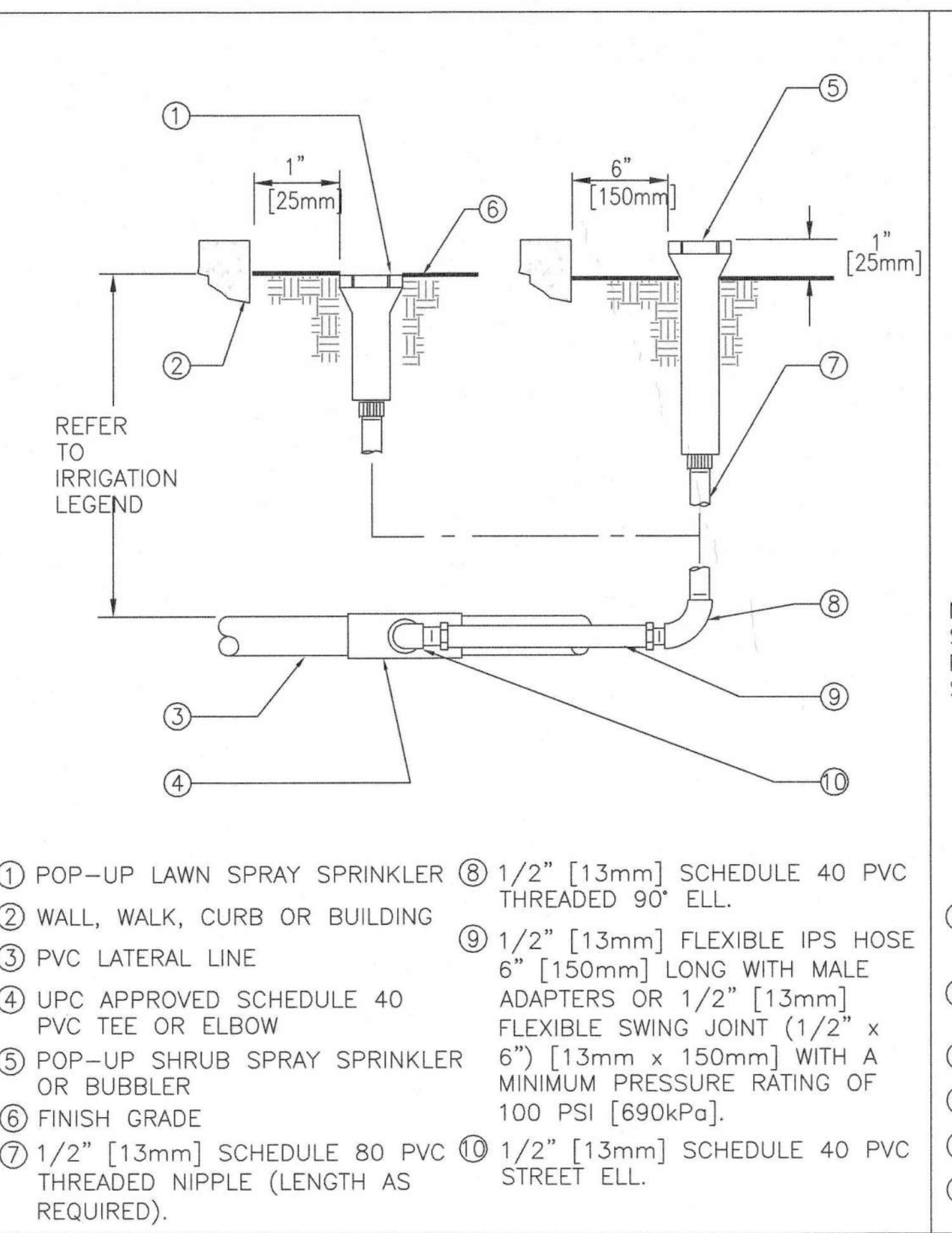




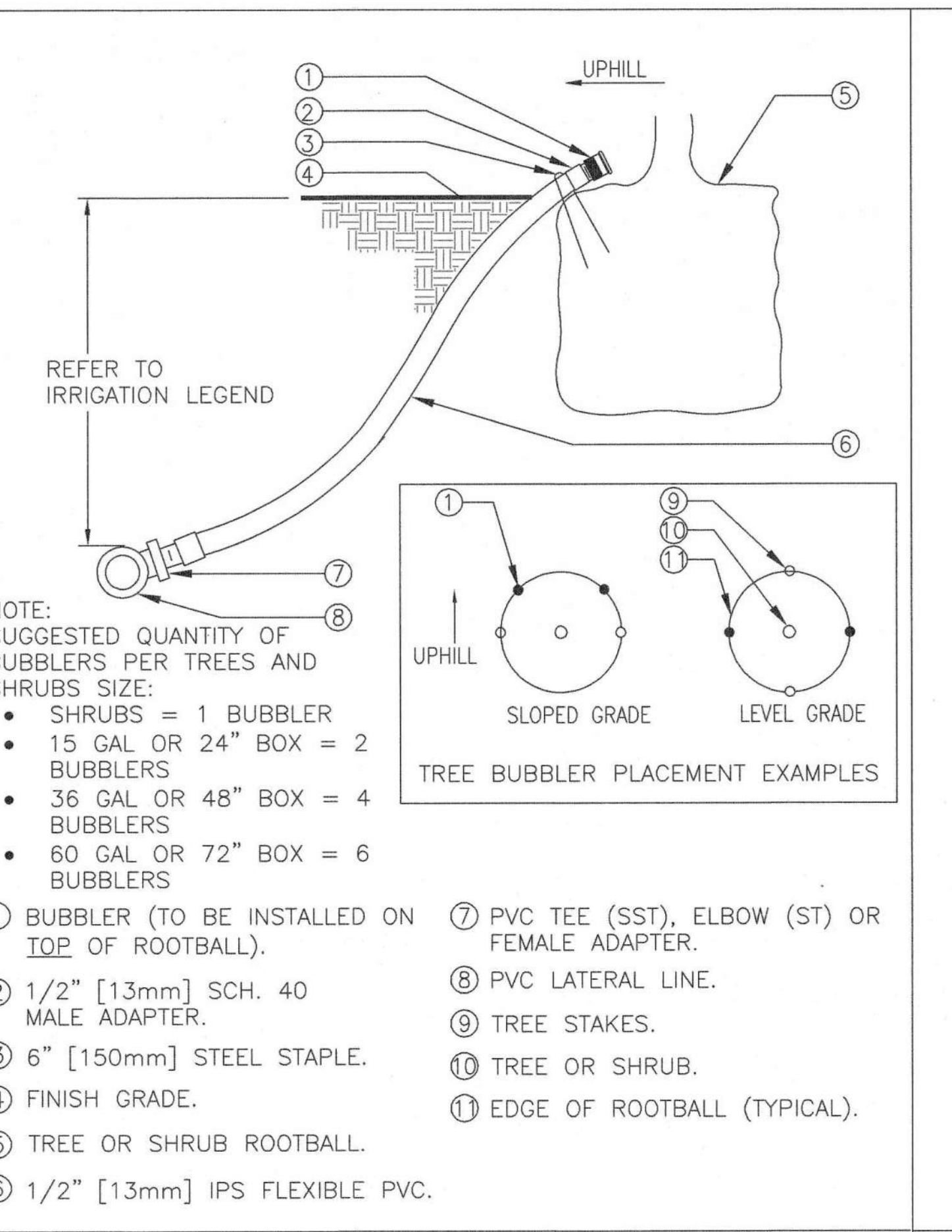
**1 QUICK COUPLING VALVE**  
SCALE: NONE  
DET: QUICK-C2



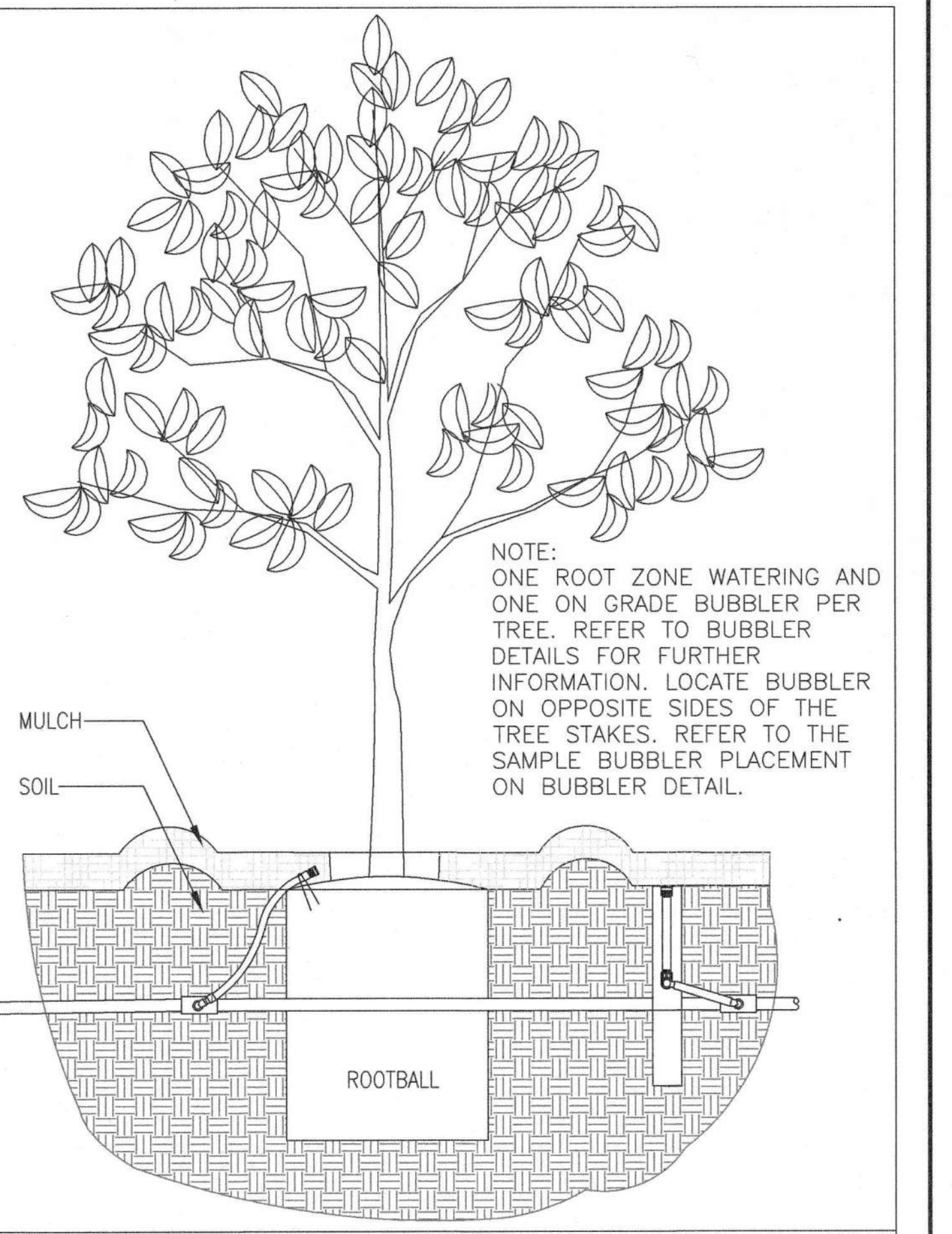
**2 VALVE BOX INSTALLATION**  
SCALE: NONE  
DET: VALVE-B1



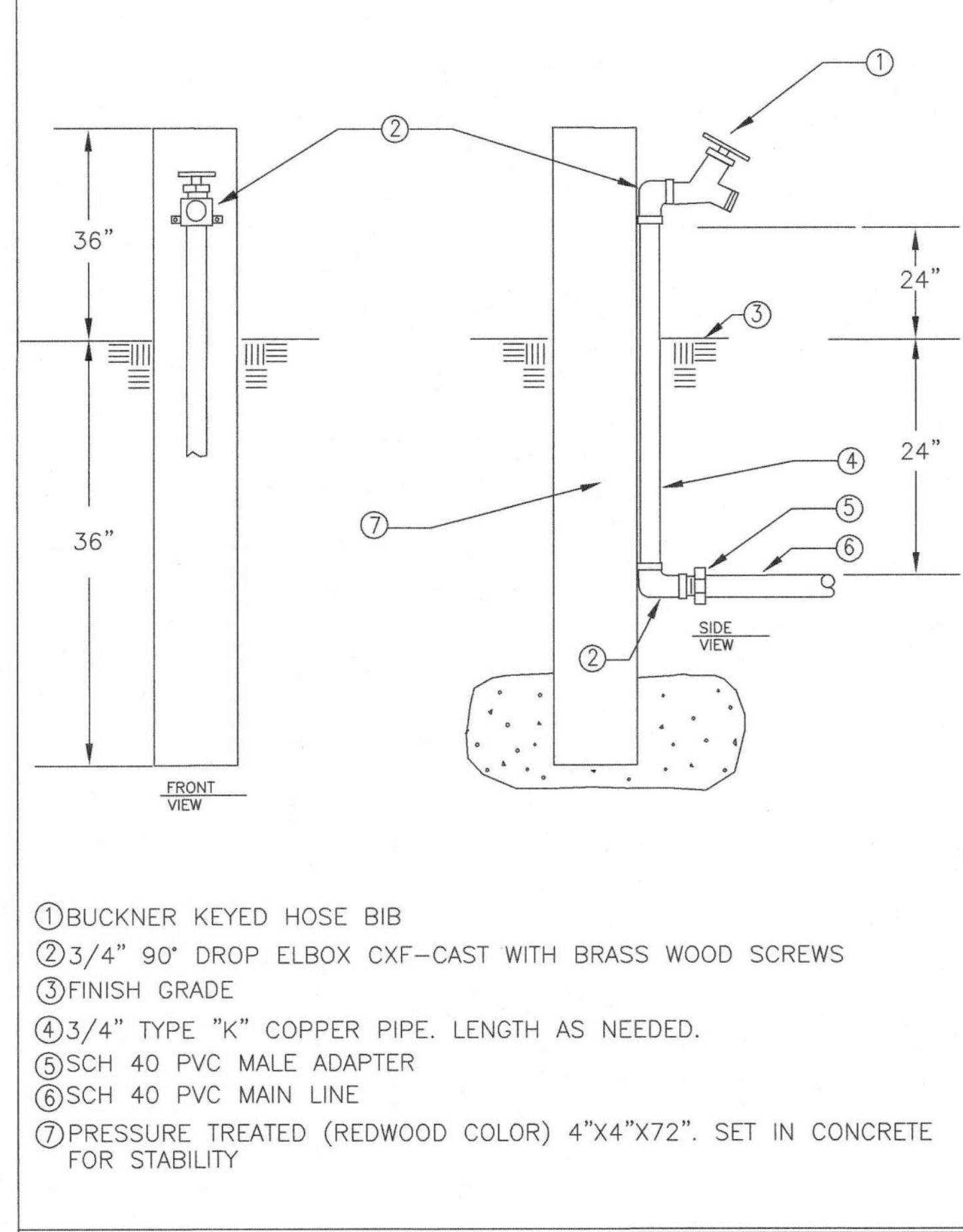
**3 POP-UP SPRAY SPRINKLER RISER**  
SCALE: NONE  
DET: SH/LW-POPSP



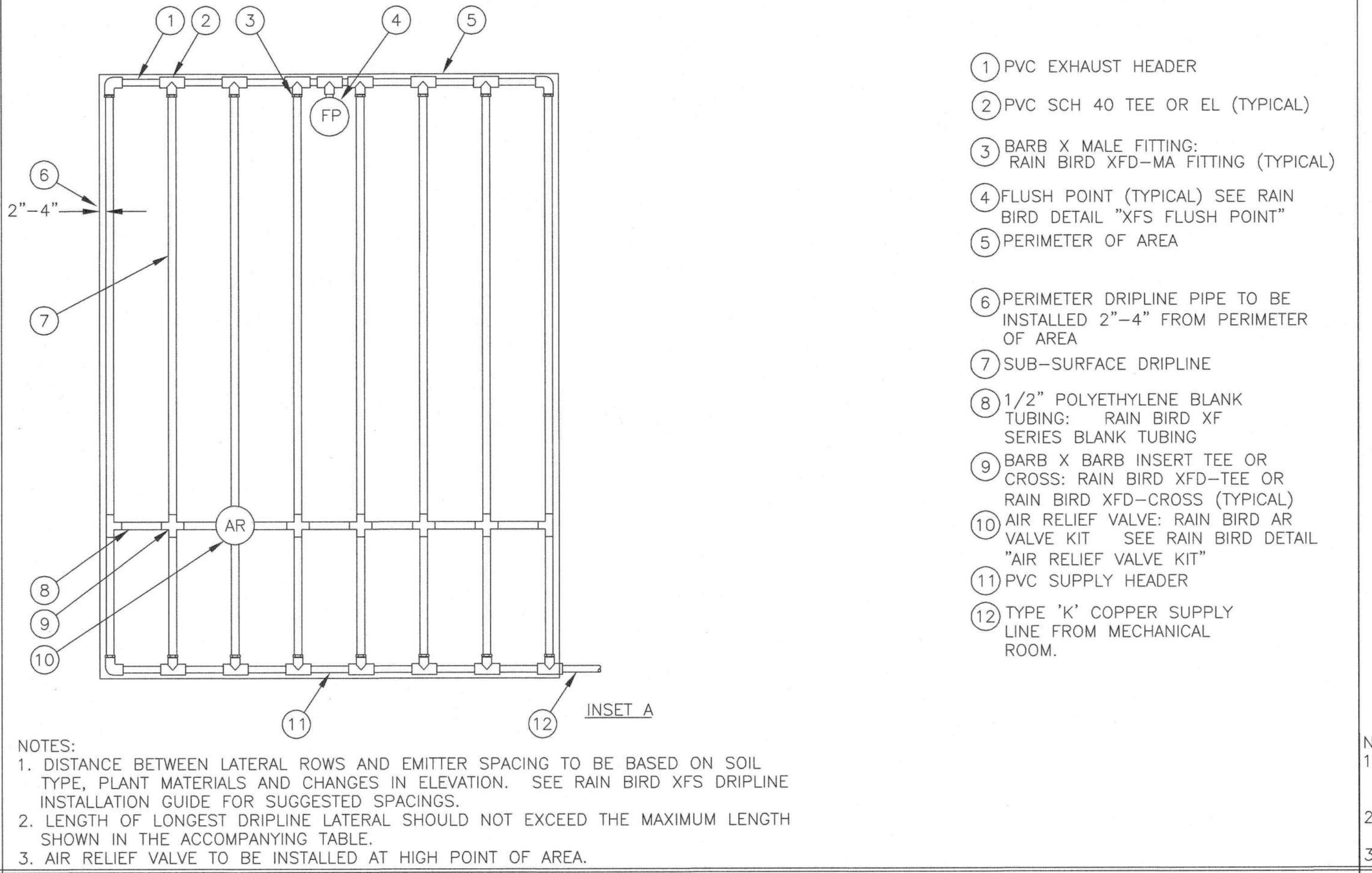
**4 TREE AND SHRUB BUBBLER**  
SCALE: NONE  
DET: TREE-SBUB



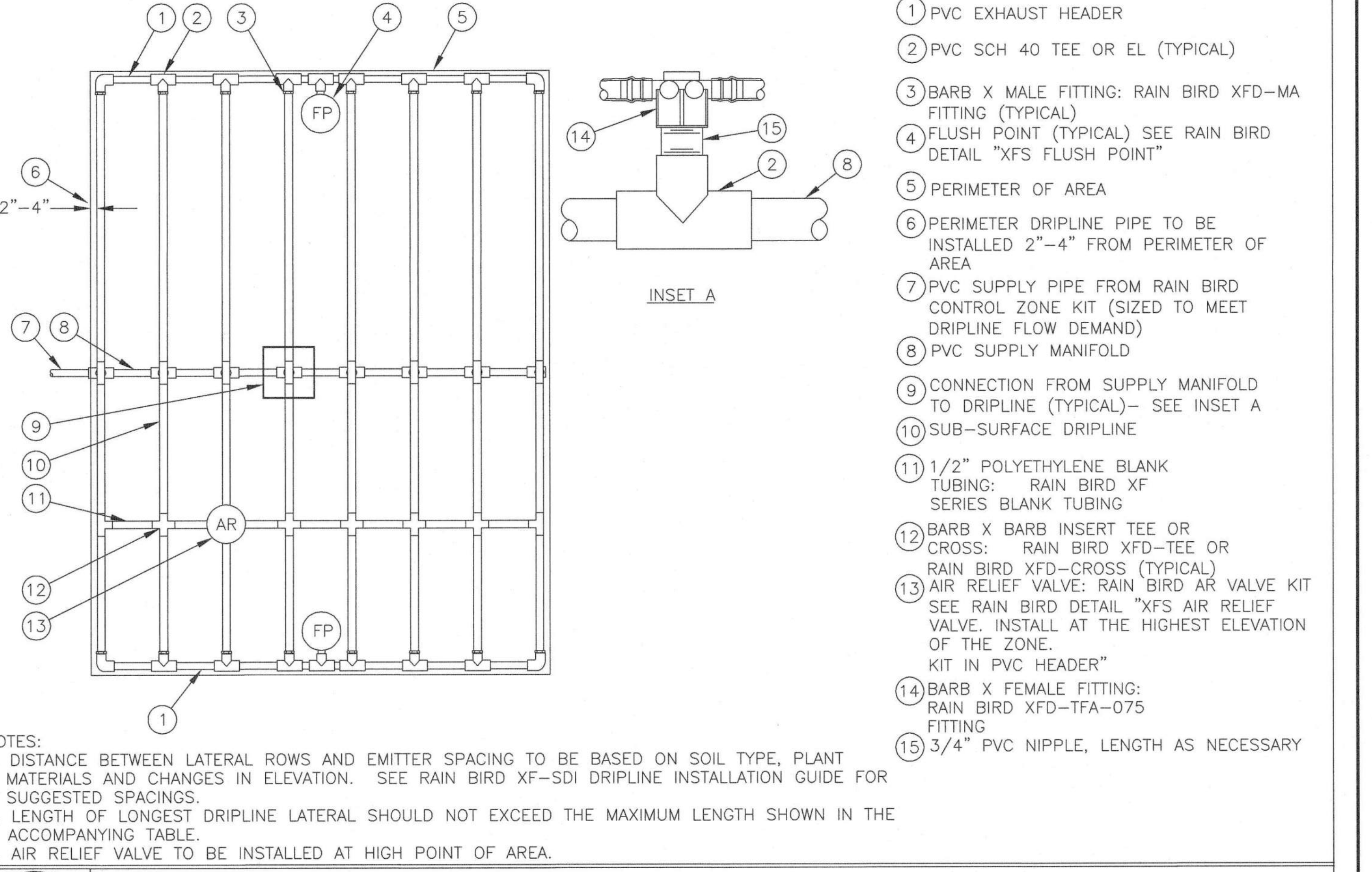
**5 TREE BUBBLER PLACEMENT**  
SCALE: NONE  
DET:



**6 HOSE BIB RISER**  
SCALE: NONE  
DET:



**7 DRIPLINE-END FEED LAYOUT**  
SCALE: NONE  
DET: -----



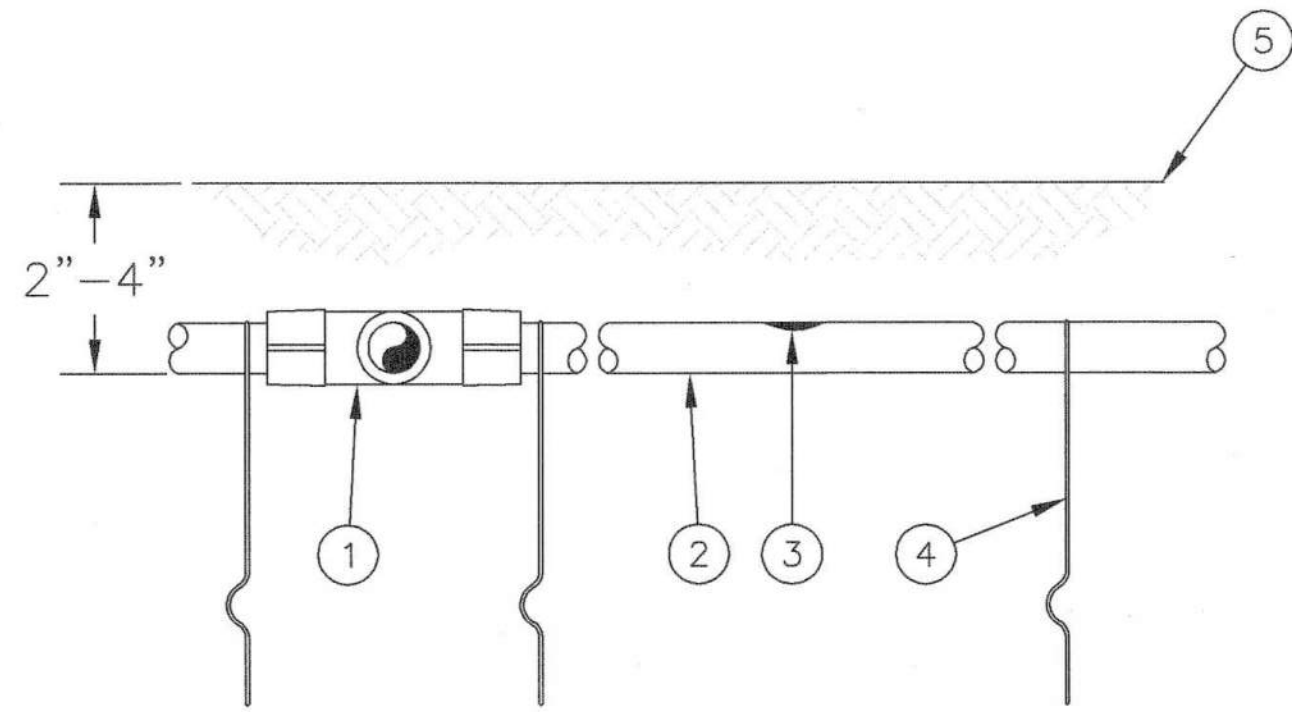
**8 DRIPLINE-CENTER FEED LAYOUT**  
SCALE: NONE  
DET: -----

Submittal	Date	Revision
100% SCHEMATIC DESIGN	03.15.2010	
100% DESIGN DEVELOPMENT	05.17.2010	
60% CONSTRUCTION DOCUMENT	05.15.2010	
80% CONSTRUCTION DOCUMENTS	07.27.2010	
DSA SUBMITTAL	05.12.2010	
DSA APPROVAL	03.02.2017	

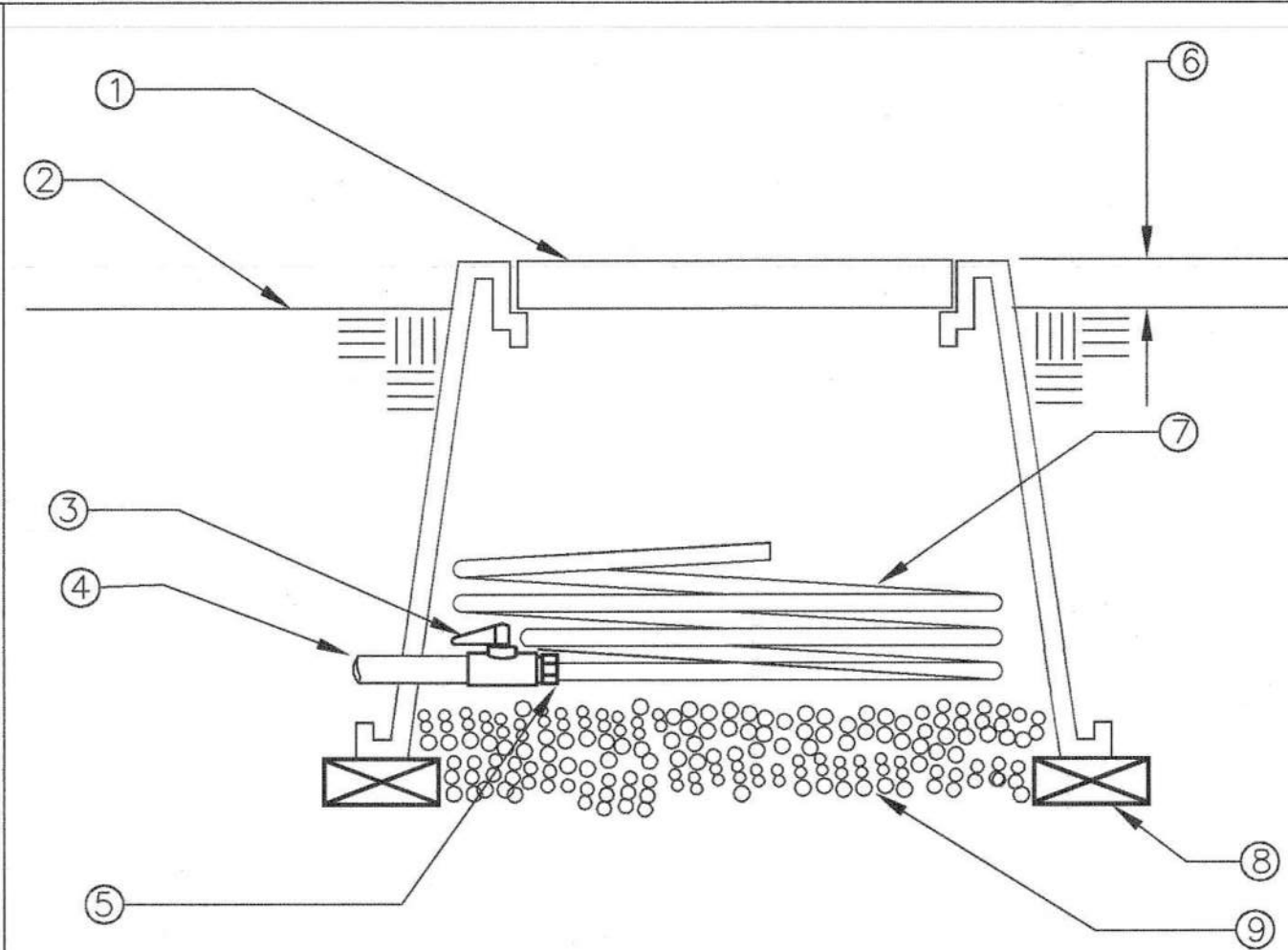
Job No.	1602010
Date	03.08.2017
Checked by	
Scale	NTS



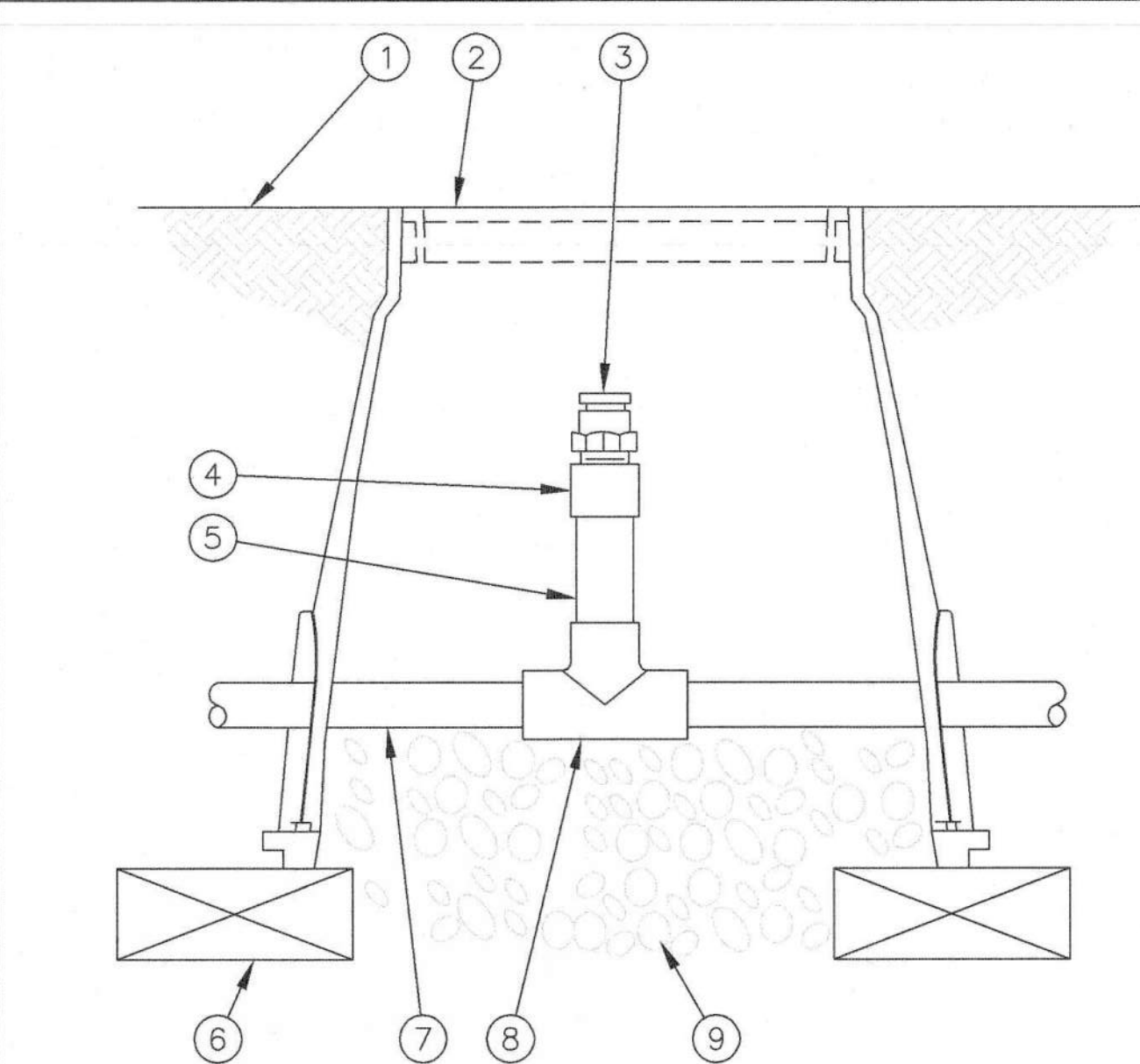
NOTES:  
 1. PLACE TIE DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY.  
 2. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE-DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION.  
 3. INSERTION FLOW AND TRENCHED INSTALLATIONS DO NOT REQUIRE TIE DOWN STAKES.



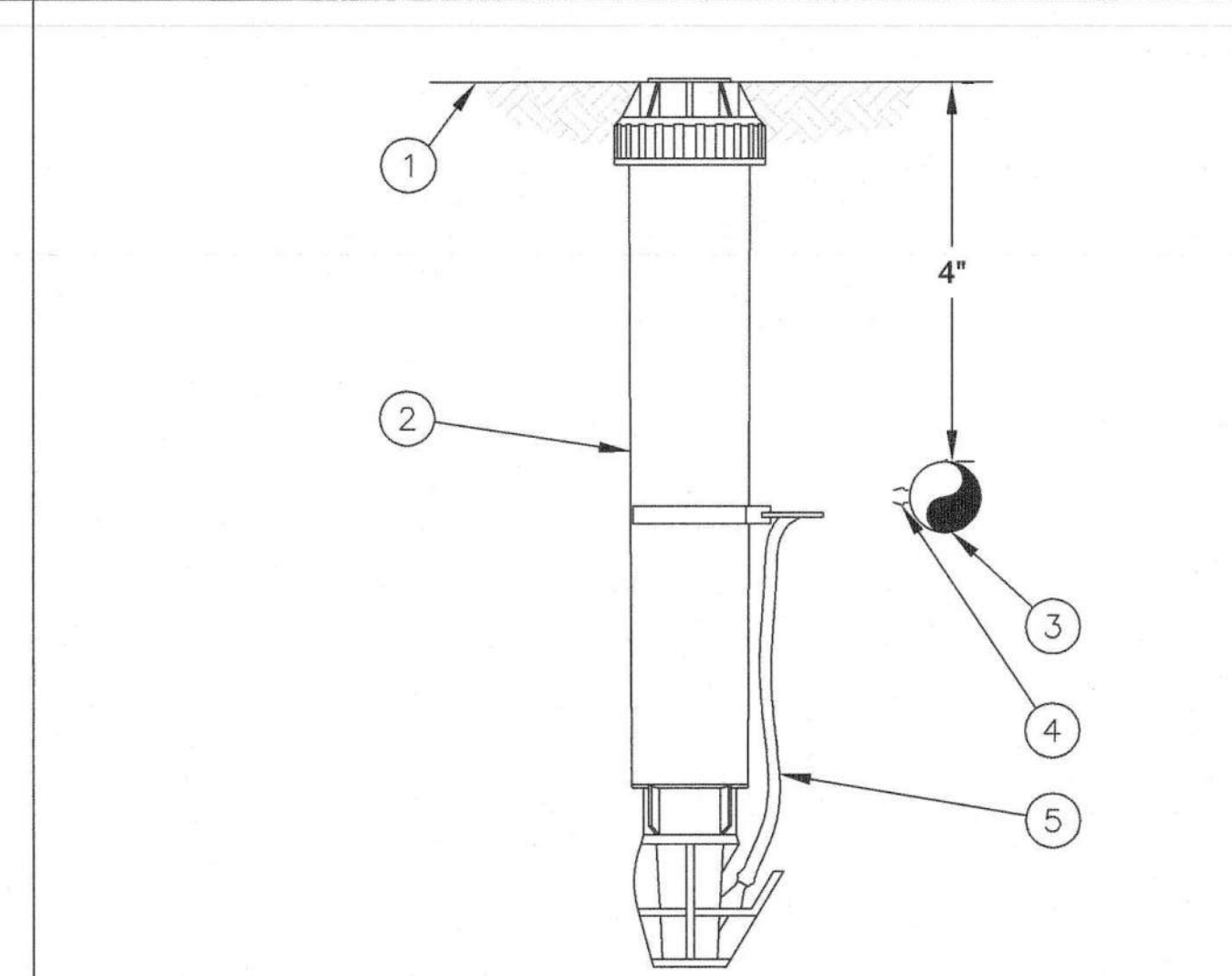
- ① EASY FIT COMPRESSION TEE: RAIN BIRD MDCFTTEE
- ② SUB-SURFACE DRIPLINE:
- ③ INLINE DRIP EMITTER
- ④ TIE DOWN STAKE: RAIN BIRD TDS-050 WITH BEND (TYPICAL)
- ⑤ FINISH GRADE



- ① 10" ROUND PLASTIC VALVE BOX WITH LOCKING LID
- ② FINISH GRADE
- ③ KBI BALL VALVE (CLT-1000S)
- ④ 1" SCHEDULE 40 PVC LATERAL LINE
- ⑤ 1" X 1/2" SCH. 40 PVC REDUCER
- ⑥ 1" IN SHRUB/GROUND COVER AREAS
- ⑦ 36" COIL OF 1/2" FLEXIBLE PVC
- ⑧ BRICK-2 TOTAL
- ⑨ 1/4" PEA GRAVEL-4" DEEP (NO SOIL IN BOX)

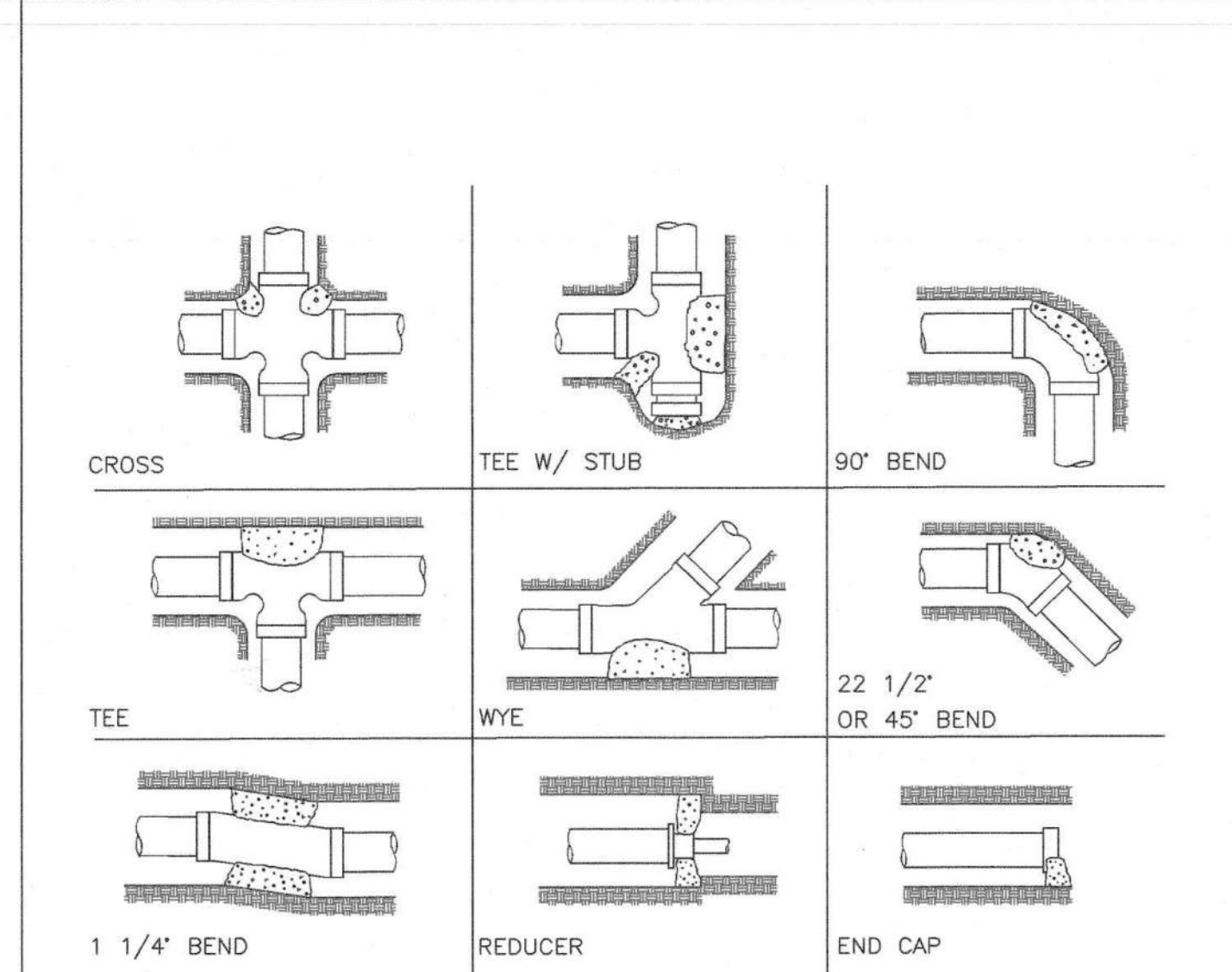


- ① FINISH GRADE
- ② SUBTERRANEAN EMITTER BOX: RAIN BIRD SEB 7XB
- ③ 1/2" AIR RELIEF VALVE: RAIN BIRD ARV-12 TO BE INSTALLED AT HIGH POINTS IN DRIP ZONE.
- ④ PVC SCH 40 FEMALE ADAPTER
- ⑤ PVC SCH 80 RISER
- ⑥ BRICK (1 OF 2)
- ⑦ PVC HEADER PIPE
- ⑧ PVC SCH 40 TEE
- ⑨ PEA GRAVEL SUMP (6" DEEP).



NOTE:  
 USE XERIMAN TOOL XM-TOOL TO INSERT BARB TRANSFER FITTING DIRECTLY INTO DRIPLINE TUBING.

- ① FINISH GRADE
- ② MICRO-SPRAY POP-UP: RAIN BIRD XERI-POP XP-600X WITH 4-VAN NOZZLE
- ③ SUB-SURFACE DRIPLINE
- ④ 1/4" BARB TRANSFER FITTING: RAIN BIRD XBFCOON
- ⑤ 1/2" DISTRIBUTION TUBING: RAIN BIRD XQ TUBING (LENGTH AS REQUIRED)



- 1. CONCRETE THRUST BLOCK SHALL HAVE CONTACT WITH FITTING ONLY AND REMAIN CLEAR OF PIPE AND JOINTS.
- 2. THRUST BLOCK TO BE CONSTRUCTED OF 3000 PSI CONCRETE.
- 3. BLOCK TO BE POURED AGAINST UNDISTURBED SOIL.

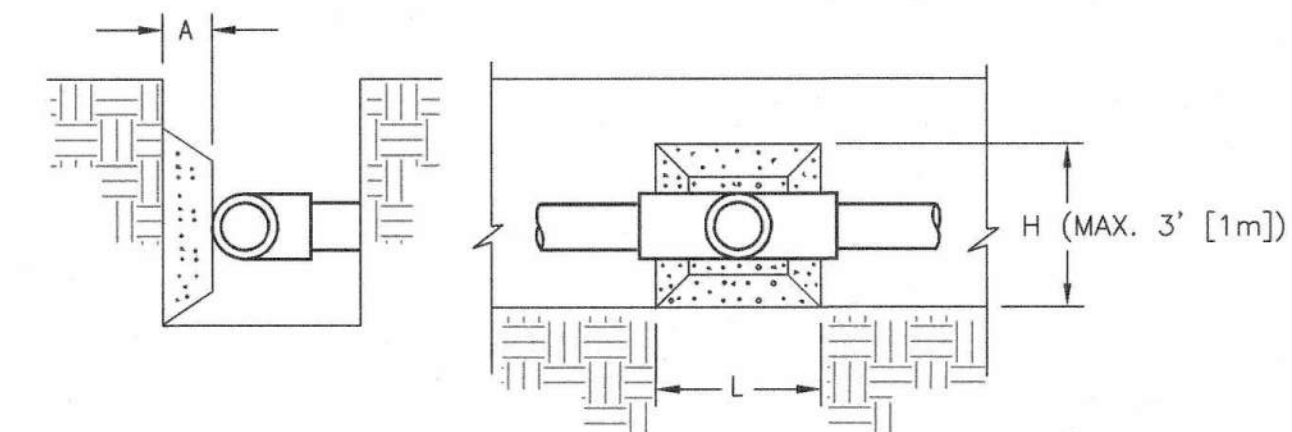
1 DRIPLINE-SUB SURFACE BURIAL  
 SCALE: NONE  
 DET: -----

2 EMITTER LINE FLUSH VALVE  
 SCALE: NONE  
 DET: Em-flush

3 DRIPLINE-AIR RELIEF VALVE  
 SCALE: NONE  
 DET: -----

4 DRIPLINE INDICATOR  
 SCALE: NONE  
 DET: -----

5 THRUST BLOCK  
 SCALE: NONE  
 DET: Thr-blc9



- NOTES:
- 1. DISTANCE "A" TO BE 18" [450mm] MINIMUM FROM FITTING TO UNDISTURBED SOIL. THRUST BLOCKS SHALL BE POURED ONLY AGAINST UNDISTURBED EARTH.
  - 2. REFER TO THRUST BLOCK CHART FOR DISTANCE "L" AND "H".
  - 3. CONCRETE TO BE SHAPED INTO A WEDGE WITH THE WIDE END AGAINST THE SOLID WALL OF THE TRENCH.
  - 4. THRUST BLOCKING APPLIES TO 3" [75mm] AND LARGER PIPE ONLY.
  - 5. CONCRETE SHALL BE KEPT BEHIND THE BELL OF THE FITTING WITH THE CONCRETE NOT PERMITTED TO RUN OVER AGAINST THE PIPE OR ONTO THE JOINT.

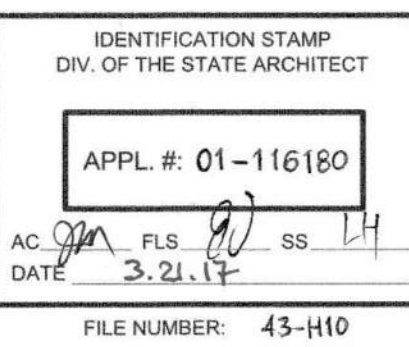
PIPE SIZE	90° BEND		45° BEND		TEES, DEAD ENDS & VALVES	
	BEARING AREA (SQUARE FT.)	L x H	BEARING AREA (SQUARE FT.)	L x H	BEARING AREA (SQUARE FT.)	L x H
3" [75mm]	1.0	13"x13" [325mm x325mm]	.57	10"x10" [250mm x250mm]	.74	11"x11" [280mm x280mm]
4" [100mm]	1.7	16"x16" [400mm x400mm]	.93	12"x12" [300mm x300mm]	1.2	14"x14" [355mm x355mm]
6" [150mm]	3.7	23"x23" [585mm x585mm]	2.0	17"x17" [430mm x430mm]	2.6	20"x20" [510mm x510mm]

THE FIGURES IN THIS CHART ARE BASED ON A WORKING PRESSURE OF 150 PSI.

6 THRUST BLOCK INSTALLATION  
 SCALE: NONE  
 DET: Blo-inf



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DSA APPROVAL	08.08.2017

Job No. 1602010  
 Date 03.08.2017  
 Checked by  
 Scale NTS

IRRIGATION DETAILS & WATER USE CALCULATIONS