

HARDSCAPE LEGEND

SYMBOL	ITEM	DETAIL
	CONCRETE PAVING - TYPE 1	1+2 (L1.03)
	CONCRETE PAVING - TYPE 2	1+2 (L1.03)
	CONCRETE PAVING - TYPE 3	1+2 (L1.03)
	CONCRETE PAVING - TYPE 4 PERMEABLE	5 (L1.03)
	RESIN PAVEMENT	6 (L1.04)
	EXISTING CONCRETE PAV. TO REMAIN	
	ASPHALT	
	FLAGSTONE PAVERS	7 (L1.03)
	SAW CUT SCORE LINE (TYP)	2 (L1.03)
	EXPANSION JOINT (TYP)	2 (L1.03)
HEADERS/WALLS/STAIRS/RAILINGS		
	1A METAL PAVER EDGE RESTRAINT TYPE 1	5 (L1.03)
	1B METAL EDGING, TYPE 2	4 (L1.03)
	2A RAISED CURB, TYPE 1	6 (L1.03)
	2B RAISED CURB, TYPE 2	
	2C MOW CURB, TYPE 1	1 (L1.04)
	2D MOW CURB, TYPE 2	1 (L1.04)
	3 CHEEK WALL; EXISTING TO REMAIN	
	4 SEAT WALL, TYPE 1	2+4 (L1.04)
	5A SEAT WALL WITH WOOD BENCH, TYPE 2	5 (L1.04) 7 (L1.04)
	5B SEAT WALL WITH WOOD BENCH, TYPE 3	4 (L1.05)
	5C RETAINING WALL, TYPE 1	5 (L1.04)
	5D RETAINING WALL, TYPE 2	3 (L1.04)
	6A CONCRETE STEPS WITH HANDRAILS	5 (L1.05)
	6B TERRACED AMPHITHEATER AND STEPS	
	7A RAMP WITH HANDRAIL	6 (L1.06)
	7B SLOPED WALK	
SITE FURNISHINGS		
	8 VINE CABLE SYSTEM	1 (L1.07)
	9 PICNIC TABLES	1 (L1.05)
	10 BENCH	3 (L1.05)
	11 BOULDERS: LARGE BOULDER MEDIUM BOULDER SMALL BOULDER	1-4 (L1.06)
	2A TRASH	
	2B DRINKING FOUNTAIN; REFER TO ARCHITECTURAL PLANS	
OTHER		
	3A SKATEBOARD DETERRENT, TYPE 1	4 (L1.04)
	3B SKATEBOARD DETERRENT, TYPE 2	7 (L1.04)
	4A BUILDING CANOPY	
	4B PLAZA SHADE STRUCTURE	
	15 DOOR MAT	
	16 LIBRARY MONUMENT SIGN	
	17 CATCH BASIN	
	18 CDS UNIT	
	19 EXISTING CURB TO REMAIN	
	20 EXISTING PLANTER TO REMAIN	
	21 GUARDRAIL	
	22 PERFORATED PIPE	
	23 EXISTING LIGHT TO REMAIN	
	24 RELOCATED BOLLARDS	4 (L1.08)
	25 EXISTING TRENCH DRAINS TO REMAIN	
	26 RELOCATED FLAGPOLE	
	TREE PROTECTION ZONE (TPZ)	
	LIMIT OF WORK	
	PA PLANTING AREA	

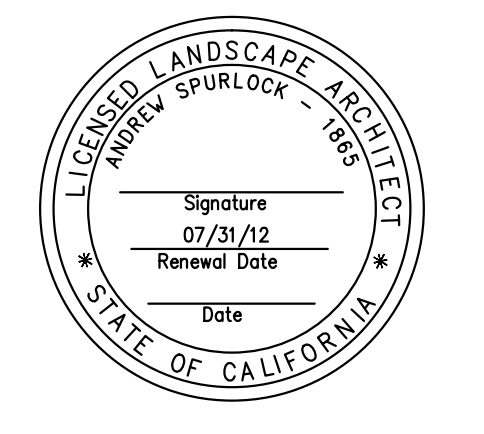


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 2201 Pico Blvd.
 Santa Monica, CA 90404

PROJECT
 KoningEisenbergArchitecture
 1454 25th St, Santa Monica, CA 90404
 310.828.6131 info@kearch.com
 310.828.0719 fax www.kearch.com
 ARCHITECTS PROJECT NO. **1001**
ARCHITECT

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SPURLOCK POIRIER
 LANDSCAPE ARCHITECTS
 257 Hancock Street
 San Diego, CA 92101
 619.581.0590
 619.581.0596 fax



CONSULTANT
 City of Santa Monica
 Architecture Services
 1437 4TH STREET, SUITE 300
 SANTA MONICA, CA 90401
 TEL. (310) 458-2205
 FAX. (310) 399-1541
 architecture@smgov.net

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 SUBMITTED BY: _____
 DATE: _____ 20____
 APPROVED BY: Miriam Mulder, Architecture Services Manager
 CITY OF SANTA MONICA
 DEPARTMENT OF PUBLIC WORKS
 REVIEWED BY: DATE: _____ 20____
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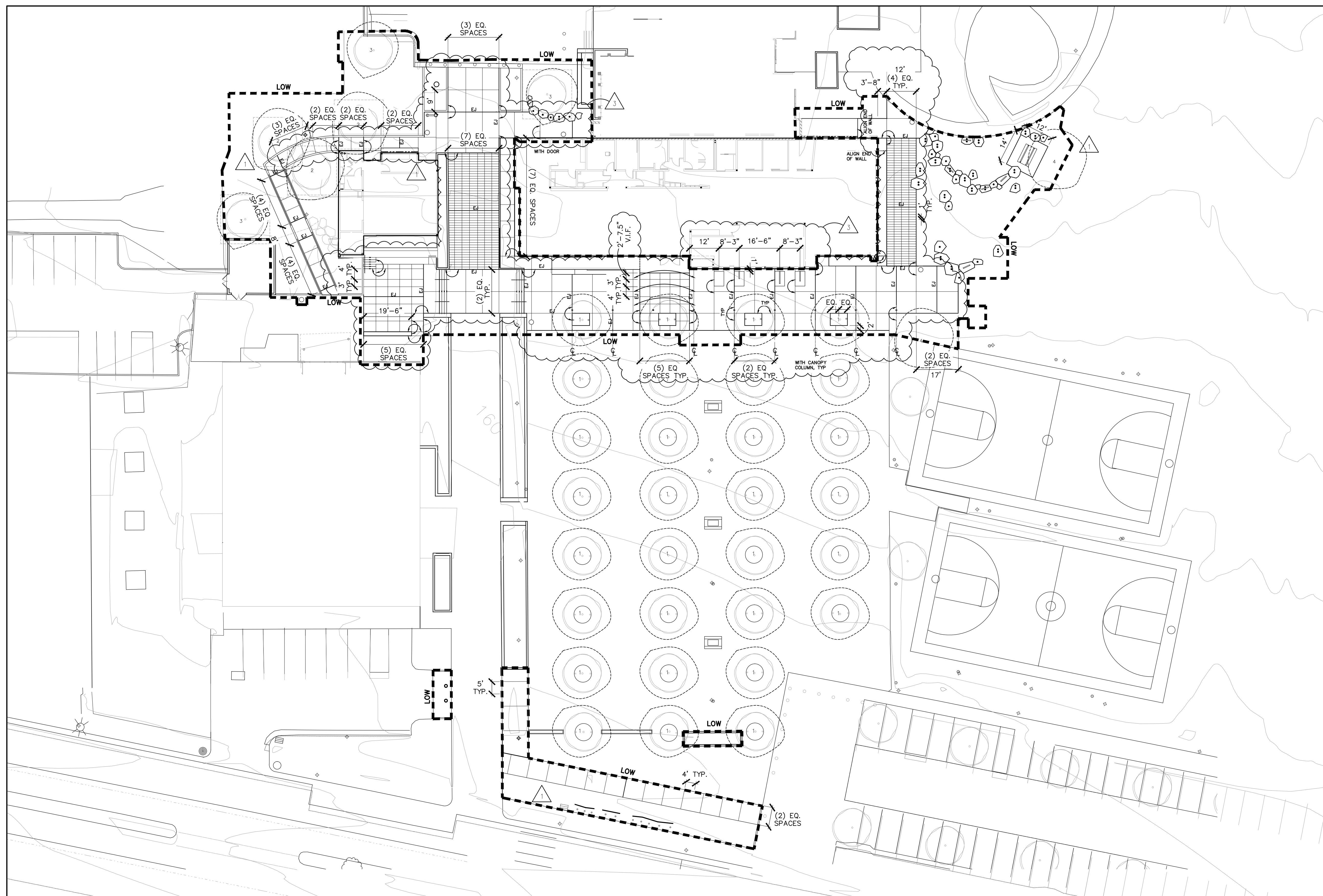
NO.	DATE	BY	DESCRIPTION
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Δ	06/21/12		PLAN CHECK 2
Δ	05/07/12		PLAN CHECK 1
Δ	03/08/12		ADDENDUM 3
Δ	02/21/12		ADDENDUM 2

REVISIONS

ISSUE
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 DATE: 07/16/2012
 DRAWING NO. **6693**

SHEET TITLE
Hardscape Plan

SHEET NO.
L1.01A



HARDSCAPE LAYOUT LEGEND

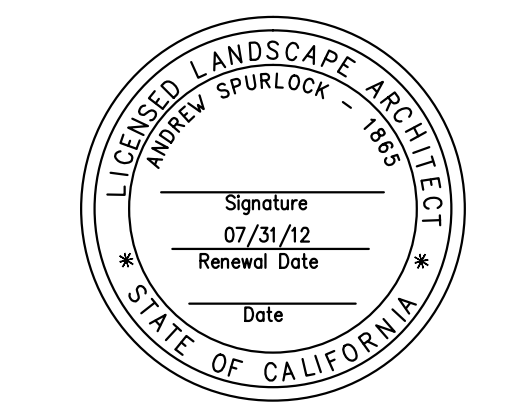
- ALIGN
- CENTERLINE
- TREE CENTER POINTS
- LIMIT OF WORK
- EXPANSION JOINT (TYP.)
- SAW CUT SCORE LINE (TYP.)

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 Landscape Architects
 257 Hancock Street
 San Diego, CA 92101
 619.581.0590
 619.581.0596 fax



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 City of Santa Monica
 Architecture Services
 1437 4TH STREET, SUITE 300
 SANTA MONICA, CA 90401
 TEL. (310) 455-2205
 FAX. (310) 399-1541
 architecture@smgov.net

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 Architecture Services Manager
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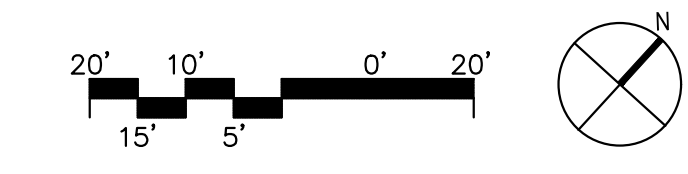
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	05/07/12		PLAN CHECK 1
Δ	03/06/12		ADDENDUM 3
Δ	02/21/12		ADDENDUM 2

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SHEET TITLE
**Hardscape
 Dimension Plan**

SHEET NO.
L1.01B



HARDSCAPE LEGEND

SYMBOL	ITEM	DETAIL	DESCRIPTION	MANUFACTURER	MODEL	COMMENTS	SPECIFICATION
<p>VEHICULAR PEDESTRIAN</p> <p>NOTES: CONCRETE PAVING TYPES 1,2 AND 3 SAW-CUT SCORE LINES SHALL BE MADE WITH A BEVELED BLADE FOR A "V" SHAPE RESULT, REST SHALL BE STRAIGHT SAW-CUT SCORE LINES USE EXISTING SITE PAVING TO MATCH AS REFERENCE PANELS</p>							
	CONCRETE PAVING - TYPE 1	1+2 L1.03	4" THICK PEDESTRIAN, VEHICULAR DEPTH PER CIVL, INTEGRAL COLOR, COLOR AND FINISH TO MATCH EXISTING	L.M. SCOFIELD: 800-800-9900	"WINTER BEIGE", WASHED SAND FINISH	PROVIDE MOCKUP	32 13 16 32 13 73
	CONCRETE PAVING - TYPE 2	1+2 L1.03	4" THICK PEDESTRIAN, VEHICULAR DEPTH PER CIVL, INTEGRAL COLOR	L.M. SCOFIELD: 800-800-9900 SOUTHWEST BOULDER: 877-792-7625	"WINTER BEIGE", SEEDED AGGREGATE FINISH 3/4" SOUTHWEST BROWN CRUSHED AGGREGATE	PROVIDE MOCKUP	32 13 16 32 13 73
	CONCRETE PAVING - TYPE 3	1+2 L1.03	4" THICK PEDESTRIAN, VEHICULAR DEPTH PER CIVL, INTEGRAL COLOR WITH SELECT LITHOCRETE GLASS AGG. COLOR AND FINISH TO MATCH EXISTING	LITHOCRETE PAVING PER US PATENT 4,748,788 AND 6,016,635 CONTRACTOR: SHAW AND SONS OR EQUAL	"WINTER BEIGE" COLOR BY LM SCOFIELD 70% MEDIUM-DARK ORANGE, 30% MEDIUM-LIGHT, 3/16" TO 1/4", GRANULAR SHAPE, 75% DENSITY AT SURFACE SAND FINISH	PROVIDE MOCKUP	32 13 16 32 13 73
	CONCRETE PAVING - TYPE 4 PERMEABLE	5 L1.03	4" THICK PEDESTRIAN PERMEABLE CONCRETE PAVING, GROUND FINISH, INTEGRAL COLOR WITH BASE	L.M. SCOFIELD: 800-800-9900	"WINTER BEIGE" COLOR BY LM SCOFIELD GROUND FINISH	PROVIDE MOCKUP WITH METAL EDGE DETAIL	32 14 45
	RESIN PAVEMENT	6 L1.04	DECOMPOSED GRANITE AGGREGATE WITH 'ROAD OYL' TO MATCH EXISTING	SOIL STABILIZATION PRODUCTS 800-523-9992, SOUTHWEST BOULDER 877-792-7625	"NATURAL PAVE" WITH AUTUMN GOLD AGGREGATE	PROVIDE MOCKUP	32 12 17
	EXISTING CONCRETE PAV. TO REMAIN		REPAIR AS NECESSARY TO MATCH EXISTING				
	ASPHALT		REFER TO CIVIL DRAWINGS				
	FLAGSTONE PAVERS	7 L1.03	SAND-BASED FLAGSTONE PAVERS, MINIMUM 3' x 3' SIZE	SOUTHWEST BOULDER 877-792-7625	2" THICK, TYPE TO BE DETERMINED	PROVIDE MOCKUP	32 90 50
	SAW CUT SCORE LINE (TYP)	2 L1.03					
	EXPANSION JOINT (TYP)	2 L1.03					
HEADERS/WALLS/STAIRS/RAILINGS							
	METAL PAVER EDGE RESTRAINT TYPE 1	3 L1.03	3/16" THICK X 2-1/4" ALUMINUM PAVER RESTRAINT WITH STEEL STAKES PER MANUFACTURER	PERMALOC: 800-256-9660	STRUCTUREDGE ALUMINUM PAVER RESTRAINT, COLOR AND FINISH: "BLACK DURAFLEX"		05 50 00
	METAL EDGING, TYPE 2	4 L1.03	1/4" X 5" STEEL EDGING	DURAEDEG 800-888-7425	BLACK COLOR		32 93 00
	RAISED CURB, TYPE 1	2A L1.03	C.I.P. CONCRETE CURB, 6" WIDE, 6" ABOVE F.S., DEPTH OF FOOTING VARIES		STANDARD GRAY CONCRETE, LIGHT BROOM FINISH		32 13 13
	RAISED CURB, TYPE 2	2B L1.03	C.I.P. CONCRETE CURB TO MATCH EXISTING				
	MOW CURB, TYPE 1	1 L1.04	C.I.P. CONCRETE CURB, 8" WIDE, SURFACE FLUSH WITH ADJACENT SURFACE		STANDARD GRAY CONCRETE, LIGHT BROOM FINISH		32 13 13
	MOW CURB, TYPE 2	1 L1.04	C.I.P. CONCRETE CURB, 8" WIDE, SURFACE FLUSH WITH ADJACENT SURFACE		STANDARD GRAY CONCRETE, LIGHT BROOM FINISH		32 13 13
	CHEEK WALL; EXISTING TO REMAIN	3					
	SEAT WALL, TYPE 1	2+4 L1.04	C.I.P. CONCRETE FEATURE WALL .18"H X 18"W C.I.P. CONCRETE SEAT WALL, INTEGRAL COLOR. COLOR AND FINISH TO MATCH EXISTING WALLS	L.M. SCOFIELD: 800-800-9900	"WINTER BEIGE" COLOR, WASHED SAND FINISH		03 33 00
	SEAT WALL WITH WOOD BENCH, TYPE 2	5 L1.04	C.I.P. CONCRETE WALL (2)18"H X 18"W WITH WOOD BACK AND SEAT, INTEGRAL COLOR, LENGTH PER PLAN	L.M. SCOFIELD: 800-800-9900 TIMBERFORM: 800-547-1940	"WINTER BEIGE" COLOR, WASHED SAND FINISH CUSTOM MADE 2006-21-M PARKWAY BENCH WITH WALL-TOP SEAT MOUNT TYPE 2, BLACK CASPAX-7 POWDER-COATED STEEL FRAMES, SALVAGED 3X8 REDWOOD SLATS	PROVIDE MOCKUP	03 33 00 05 50 00 12 93 00
	SEAT WALL WITH WOOD BENCH, TYPE 3	4 L1.05	C.I.P. CONCRETE WALL (2)18"H X 18"W WITH WOOD BACK AND SEAT, INTEGRAL COLOR, LENGTH PER PLAN	L.M. SCOFIELD: 800-800-9900 TIMBERFORM: 800-547-1940	"WINTER BEIGE" COLOR, WASHED SAND FINISH A - 2201-3-B-MB AND BACKREST TYPE 3 B - 2201-4-B-M AND BACKREST TYPE 3 C - 2201-5-B-M AND BACKREST TYPE 3 D - NO BACKREST SALVAGED 3X8 REDWOOD SLATS	PROVIDE MOCKUP	03 33 00 05 50 00 05 50 00
	RETAINING WALL, TYPE 1	3 L1.04	C.I.P. CONCRETE WALL, 6" WIDE, HEIGHT VARIES, 6"H RAISED CURB ON HIGH SIDE, INTEGRAL COLOR, FINISH TO MATCH BUILDING WALLS		BOARD FORM FINISH, REFER TO ARCHITECTURAL DWGS.		
	RETAINING WALL, TYPE 2	3 L1.04	C.I.P. CONCRETE WALL, 6" WIDE, HEIGHT VARIES, 6"H RAISED CURB ON HIGH SIDE, INTEGRAL COLOR, FINISH TO MATCH BUILDING WALLS		BOARD FORM FINISH, REFER TO ARCHITECTURAL DWGS.		
	CONCRETE STEPS WITH HANDRAILS	5 L1.06	CONCRETE STEPS, INTEGRAL COLOR; REUSE EXISTING HANDRAILS HANDRAILS SHALL BE EQUALLY CENTERED ON STEPS.	L.M. SCOFIELD: 800-800-9900	"WINTER BEIGE" COLOR, WASHED SAND FINISH RAILING COLOR: RAL #7026 / POST COLOR: RAL #7039		03 33 00
	TERRACED AMPHITHEATER AND STEPS		SEE ARCHITECTS DRAWINGS				
	RAMP WITH HANDRAIL	6 L1.06					05 50 00
	SLOPED WALK						
SITE FURNISHINGS							
	VINE CABLE SYSTEM	1 L1.07	STAINLESS STEEL METAL CABLE SYSTEM ATTACHED TO WALL REFER TO ARCH. FOR ATTACHMENT DETAIL TO BUILDING	JAKOB INC.: 866-525-6226	JAKOB INC. QUOTATION NUMBER 16102, AT COMMUNITY ROOM ONLY		32 94 46
	PICNIC TABLES	1 L1.05	WOOD AND STEEL ACCESSIBLE TABLE	TIMBERFORM: 800-547-1940	2063-B-E-M, WITH DIRECT EMBEDMENT BLACK CASPAX-7 POWDER-COATED STEEL FRAMES, SALVAGED 3X8 REDWOOD SLATS		12 93 00
	BENCH	3 L1.05	(5) 3' WIDE WOOD BACK ON LARGE BOULDER	TIMBERFORM: 800-547-1940	2201-3-B-MA AND BACKREST TYPE 3, LONG BLACK CASPAX-7 POWDER-COATED STEEL FRAMES, SALVAGED 3X8 REDWOOD SLATS, PROVIDE MOCKUP		12 93 00 32 90 50
	BOULDERS: LARGE BOULDER MEDIUM BOULDER SMALL BOULDER	1-4 L1.06	LARGE BOULDERS: 5' X 27-30"H MEDIUM BOULDERS: 2.5' TO 3.5' X 24-27" H SMALL BOULDERS: 1-2' X 12-18" H	SOUTHWEST BOULDER: 877-792-7625	"SOUTHWEST BROWN"	PROVIDE MOCKUP	32 90 50
	TRASH	2A	(5) CONCRETE TRASH RECEPTACLE WITH LID	QUICKCRETE: 909-737-6340	#QR-CAL3136WA26; RECEPTACLE W/ #A-26 LID (ALUMINUM) CONCRETE FINISH: COLOR #C-1, TEXTURE #T-1; LINER QRPL26		12 93 00
	DRINKING FOUNTAIN; REFER TO ARCHITECTURAL PLANS	2B					
OTHER							
	SKATEBOARD DETERRENT, TYPE 1	4 L1.04	STAINLESS STEEL INSERTS	SKATESTOPPERS 619-447-6374	DIAMOND 90-12		05 50 00
	SKATEBOARD DETERRENT, TYPE 2	7 L1.04	STAINLESS STEEL INSERTS, CUSTOM TO MATCH SEAT WALL WITH WOOD BENCH, TYPE 2				05 50 00
	BUILDING CANOPY		PER ARCHITECT				
	PLAZA SHADE STRUCTURE		PER ARCHITECT				
	DOOR MAT		PER ARCHITECT				
	LIBRARY MONUMENT SIGN		PER SIGNAGE DRAWINGS				
	CATCH BASIN		PER CIVIL				
	CDS UNIT		PER CIVIL				
	EXISTING CURB TO REMAIN		SAWCUT AND FINISH END				
	EXISTING PLANTER TO REMAIN		PROTECT IN PLACE				
	GUARDRAIL		PER ARCHITECT				
	PERFORATED PIPE		REFER TO CIVIL FOR PIPE AND CONNECTION INFORMATION				
	EXISTING LIGHT TO REMAIN		PROTECT IN PLACE				
	RELOCATED BOLLARDS	4 L1.05					
	EXISTING TRENCH DRAINS TO REMAIN						
	RELOCATED FLAGPOLE						
	TREE PROTECTION ZONE (TPZ)		REFER TO PLANTING PLANS				
	LIMIT OF WORK						
	PLANTING AREA						

PROJECT

Koning Eisenberg Architecture
 1454 25th St. Santa Monica, CA 90404

310.828.6131 info@kearch.com
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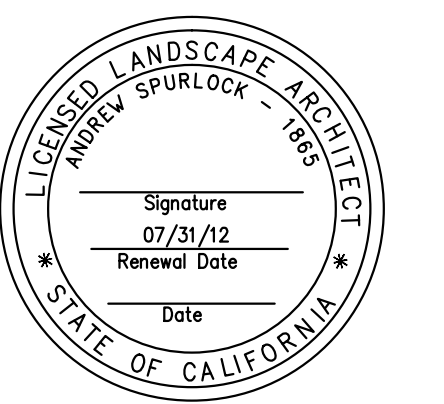
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 619.581.0290
 619.581.0296 fax



CONSULTANT

City of Santa Monica
 Architecture Services

1437 4TH STREET, SUITE 300
 SANTA MONICA, CA 90401
 TEL. (310) 458-2205
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 CITY OF SANTA MONICA
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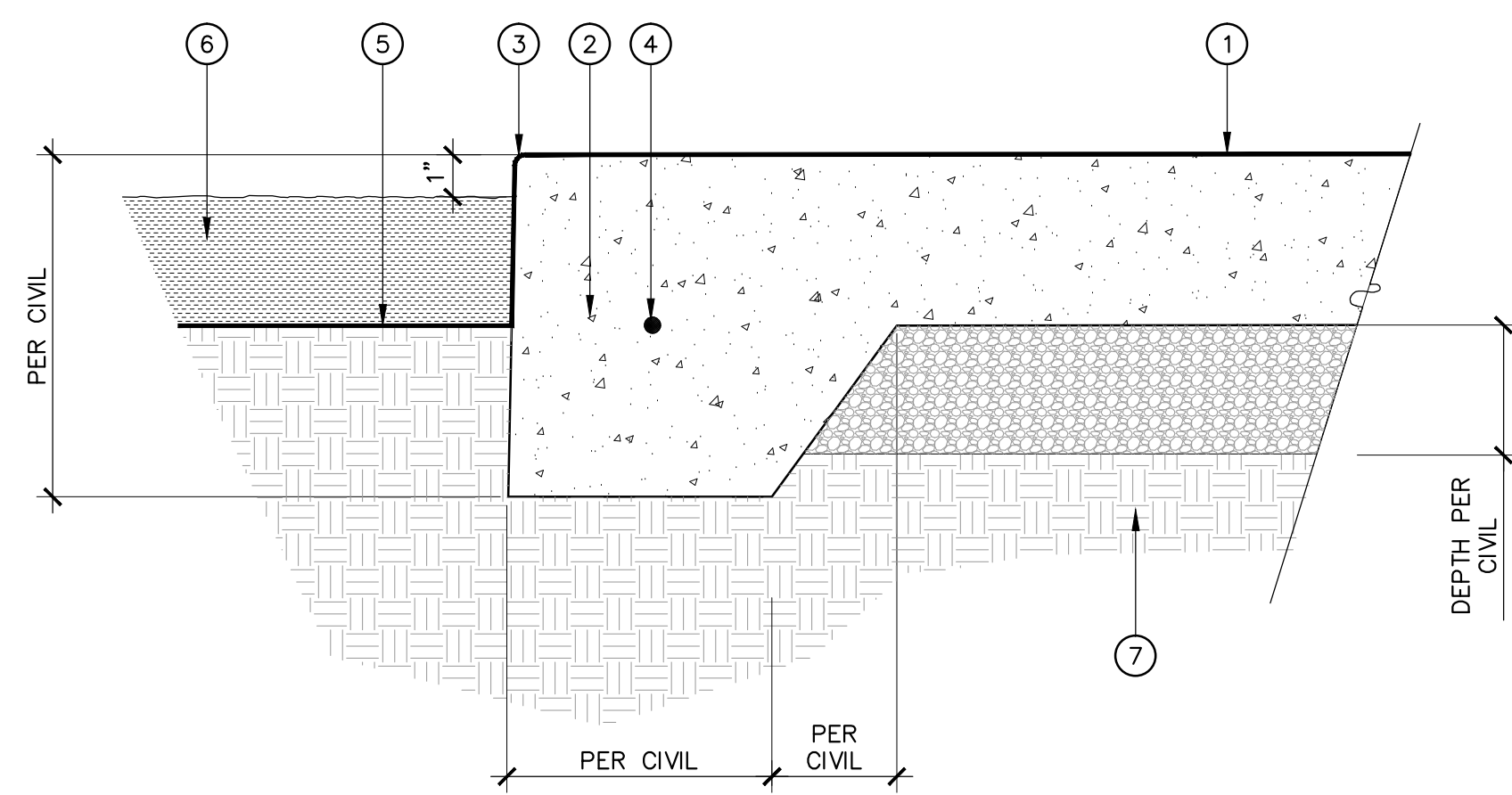
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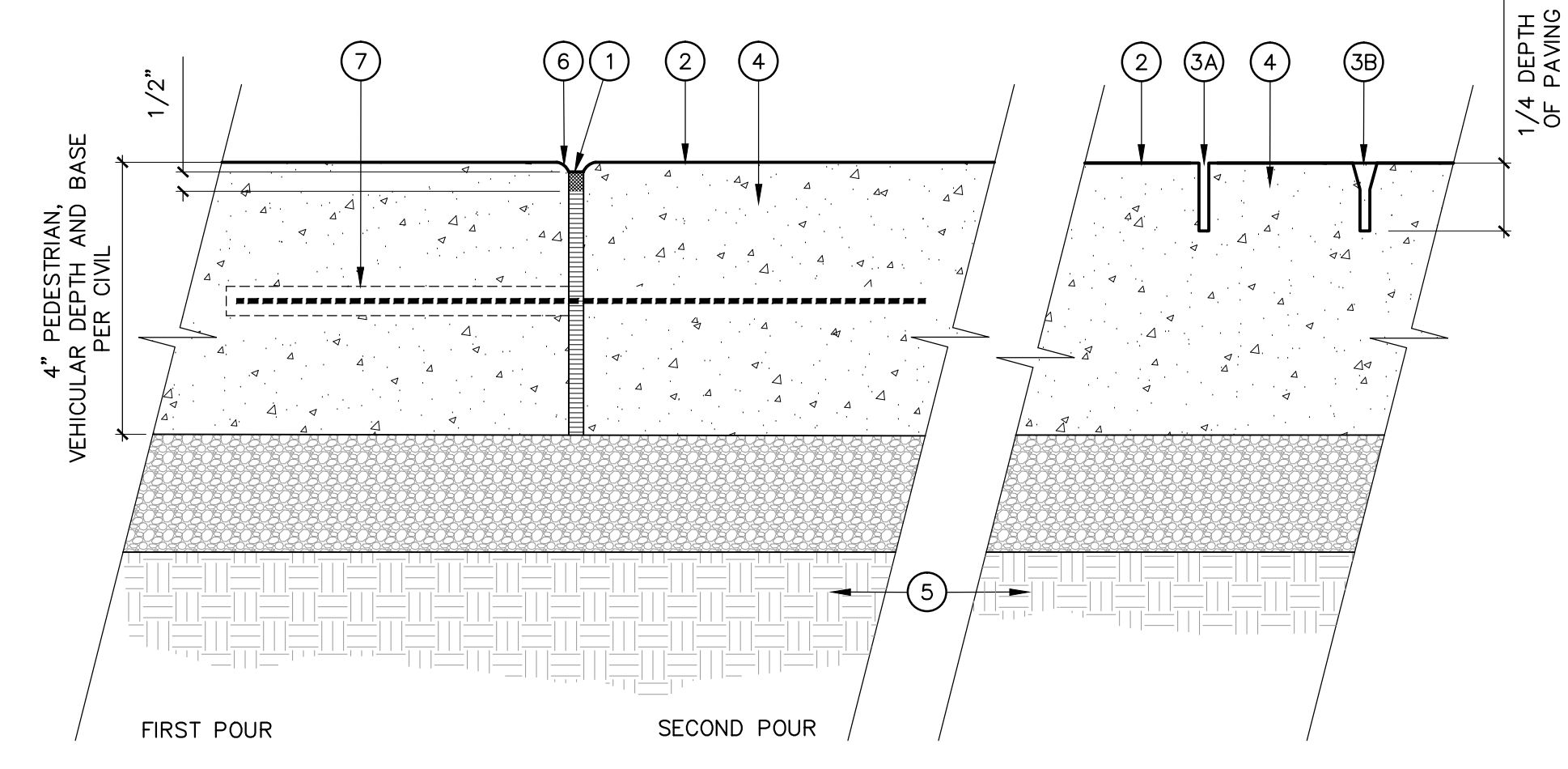
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SHEET TITLE: Hardscape Legend



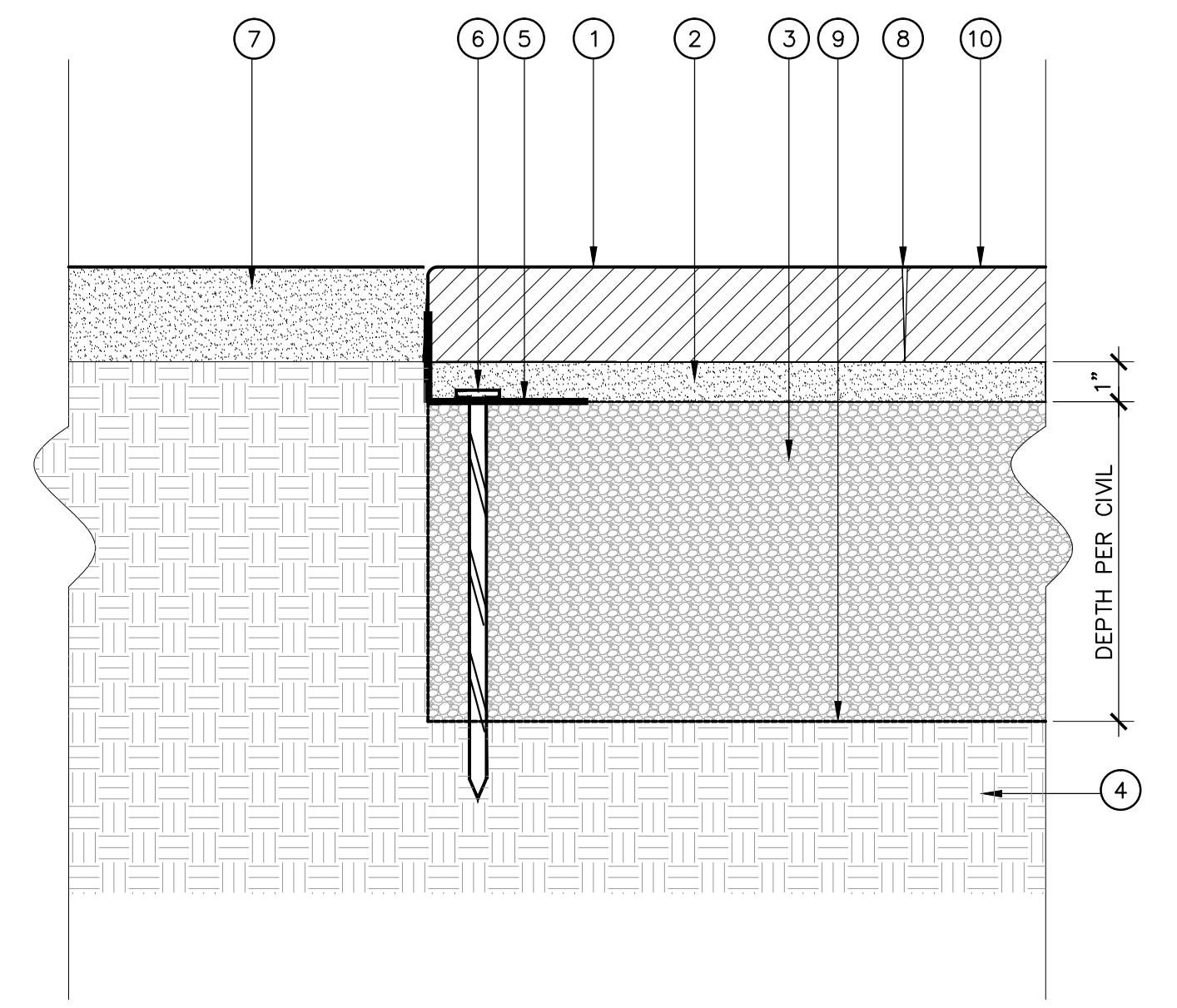
- 1 CONCRETE PAVING PER LEGEND
 - 2 THICKENED EDGE
 - 3 1/8" RADIUS AT ALL EXPOSED EDGES
 - 4 #3 BAR CONTINUOUS, 48" LAPPED AND WIRED
 - 5 FINISH GRADE AT PLANTING
 - 6 MULCH PER PLANS AND SPECIFICATIONS
 - 7 COMPACTED SUBGRADE PER GEOTECHNICAL REPORT
- NOTES:
1. THICKENED EDGE REQUIRED WHEREVER CONCRETE PAVING IS ADJACENT TO AREAS OF AT-GRADE PLANTING OR UNIT PAVERS.
 2. REFER TO CIVIL DRAWINGS FOR REINFORCING AND BASE REQUIREMENTS FOR VEHICULAR AND PEDESTRIAN APPLICATION

1 DEEPENED CONCRETE EDGE 3" = 1'-0"



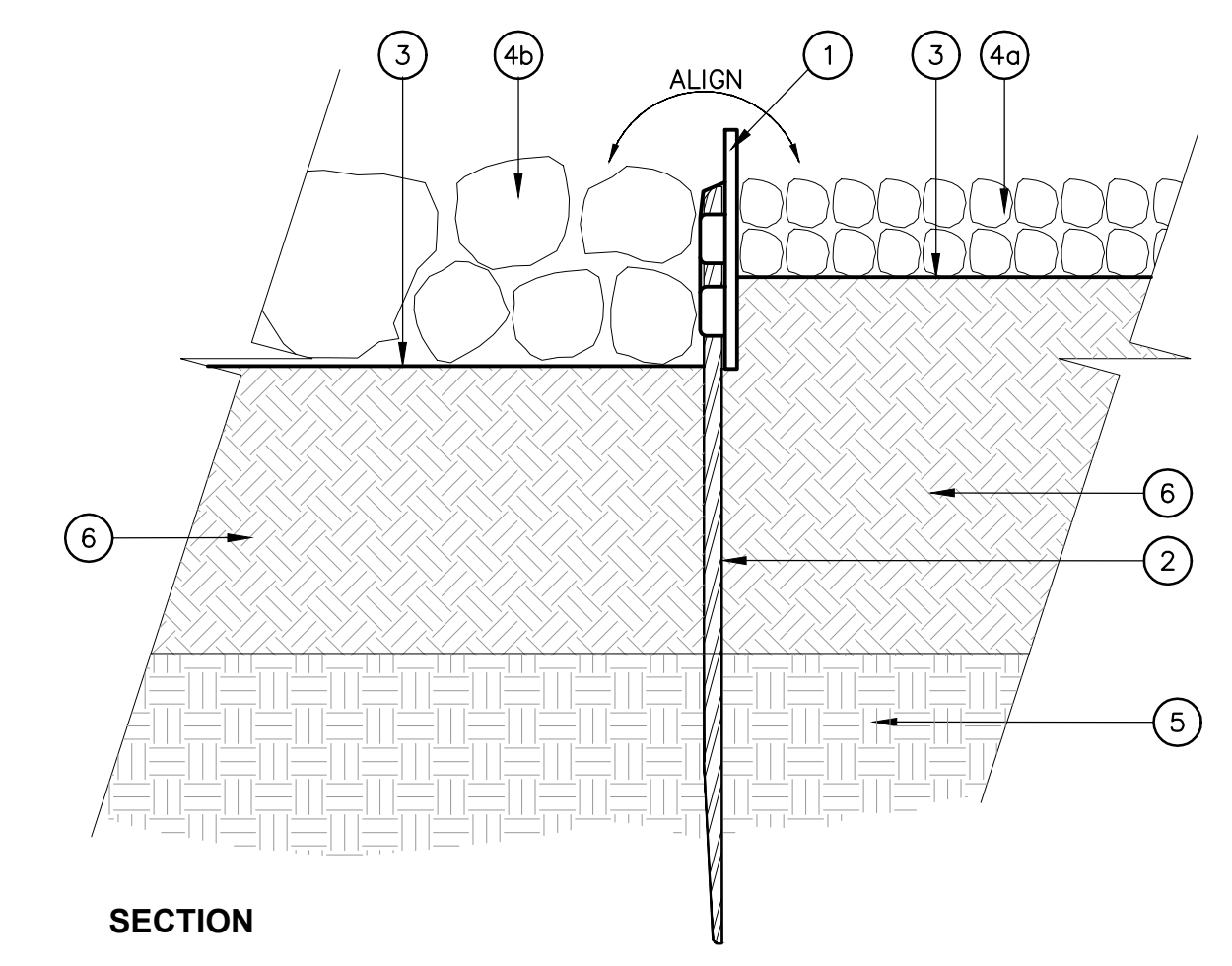
- EXPANSION JOINT - SECTION**
- 1 1/4" EXPANSION JOINT W/ SEALANT (TYP)
 - 2 CONCRETE PAVING PER LEGEND
 - 3A 1/8" WIDE DEEP SAWCUT SCORELINE/JOINT, DEPTH TO BE 1/4 OF SLAB DEPTH
 - 3B BEVELED OR "V" SHAPED SAWCUT SCORELINE/JOINT, DEPTH TO BE 1/4 OF SLAB DEPTH
 - 4 CONCRETE PAVING PER PLAN
 - 5 COMPACTED SUBGRADE PER GEOTECHNICAL REPORT
 - 6 1/8" RADIUS AT ALL EXPOSED EDGES
 - 7 SPEEDY DOWEL W/ 18" SLEEVE LOCATED MIDSLAB, CENTERED ON JOINT
- SAW-CUT SCORE LINE SECTION**
- NOTES:
1. PROVIDE EXPANSION JOINTS WHERE INDICATED ON THE DRAWINGS, AND WHERE PAVING ABUTS WALLS, CURBS, STEPS, TOP & BOTTOM OF RAMPS AND OTHER VERTICAL APPURTENANCES. OMIT DOWELS WHERE ABUTTING WALLS, BUILDINGS, & CURBS.
 2. ALL TOOLED EDGES OF JOINTS SHALL BE 1/8" RADIUS MAX.
 3. REFER TO CIVIL DRAWINGS FOR REINFORCING AND BASE REQUIREMENTS FOR VEHICULAR AND PEDESTRIAN APPLICATION

2 CONCRETE PAVING JOINTS 3" = 1'-0"



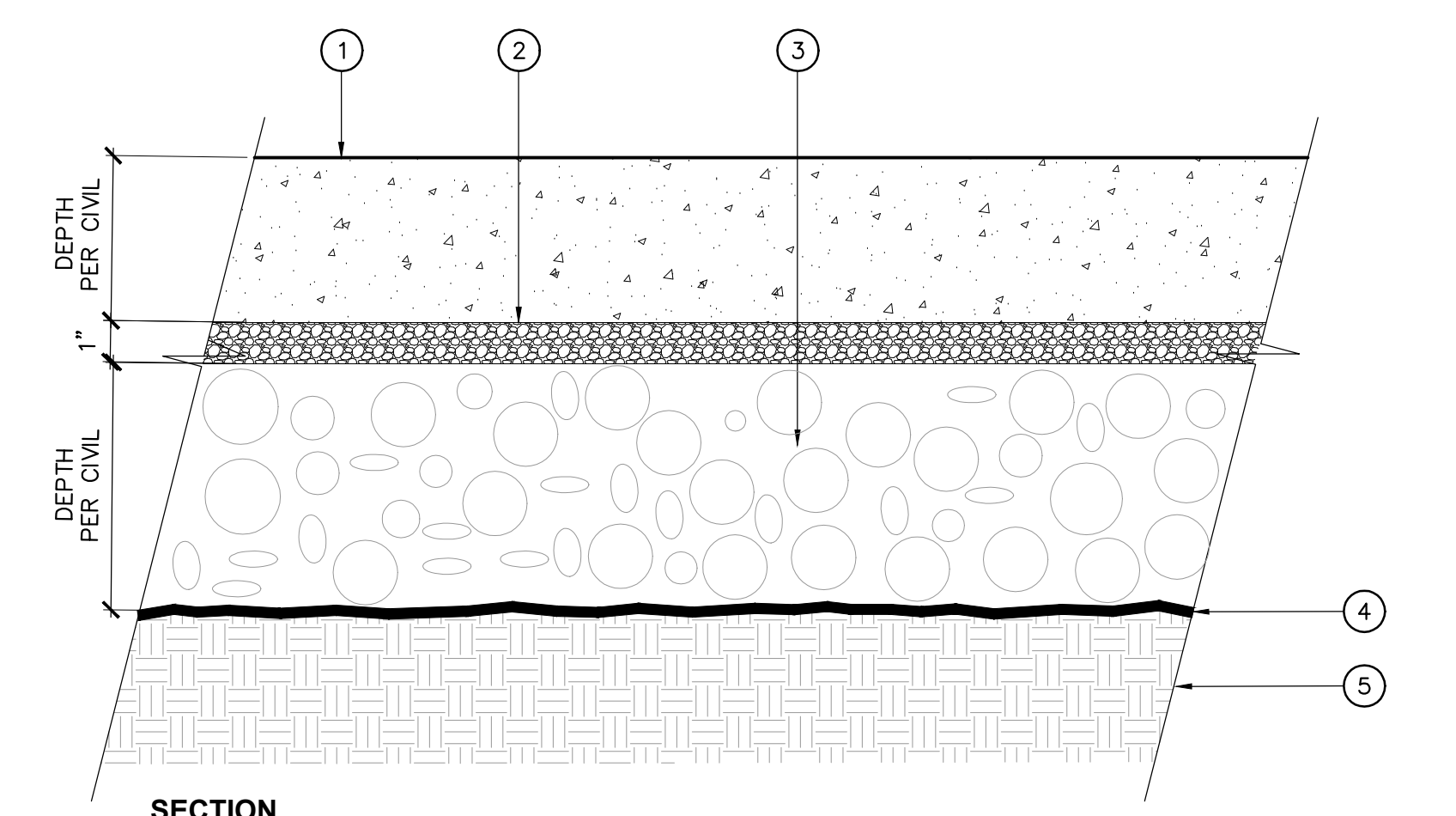
- 1 PRE-CAST PERMEABLE PAVERS PER LEGEND
- 2 SAND SETTING BED
- 3 3/4" CRUSHED AGGREGATE BASE, COMPACTED; USE NO ROUND AGGREGATE
- 4 COMPACTED SUBGRADE PER GEOTECHNICAL REPORT
- 5 PERMALOC STRUCTURE EDGE ALUMINUM PAVER RESTRAINT. 3/16" THICK X 2-1/4" TALL RESTRAINT
- 6 3/8" X 10" SPIRAL STEEL SPIKE AT 12" MAX O.C., 4" O.C. MIN.; INSTALL PER MANUFACTURER'S RECOMMENDATIONS
- 7 ADJACENT NATURAL PAVING TO REMAIN, SAW CLEAN CUT
- 8 BEDDING SAND IN JOINT; SET PAVERS AGAINST EACH OTHER HAND-TIGHT
- 9 GEOTEXTILE, TURNED UP ON SIDES
- 10 FILTER FABRIC

3 PERMEABLE PAVERS W/ MTL EDGING 3" = 1'-0"



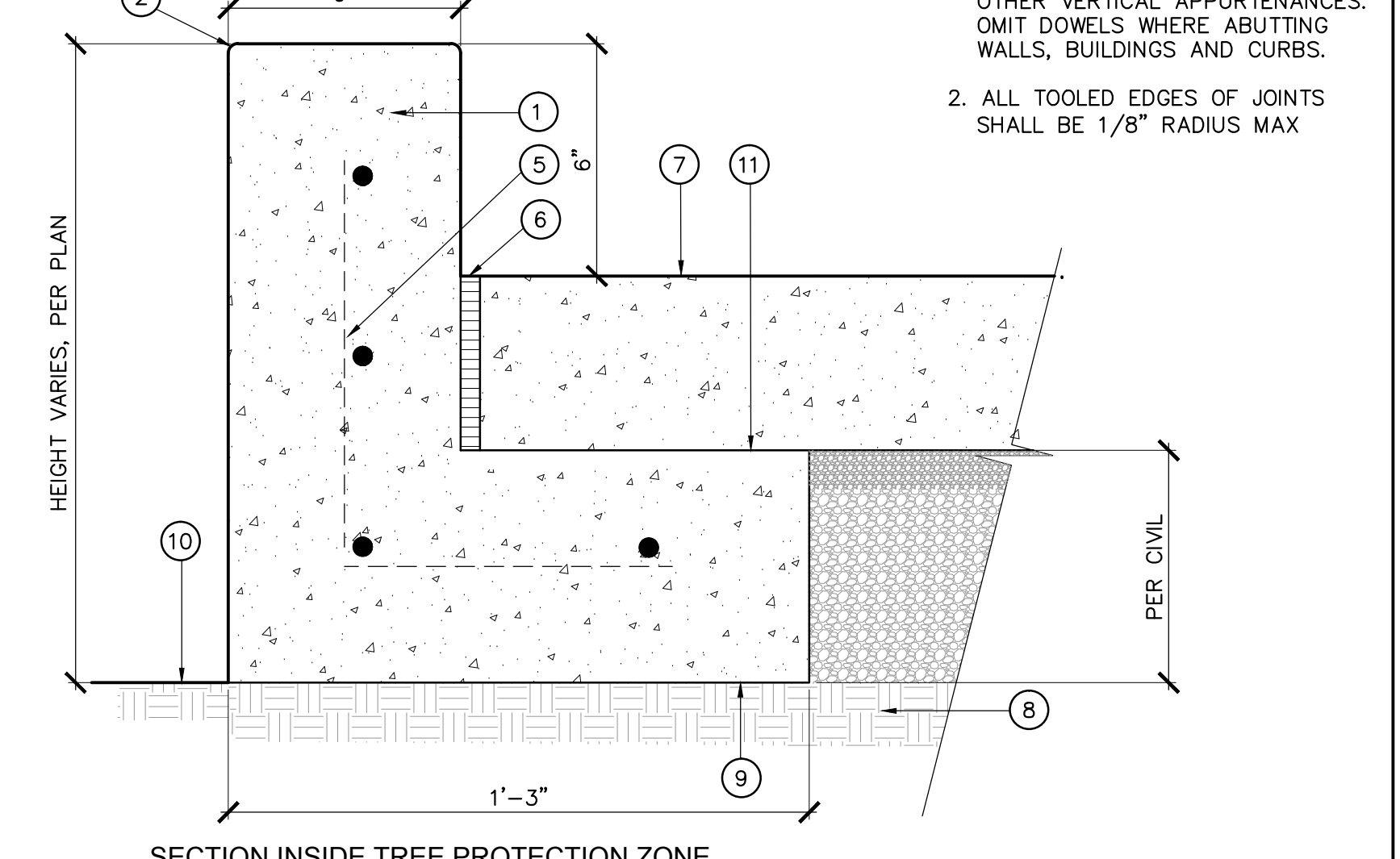
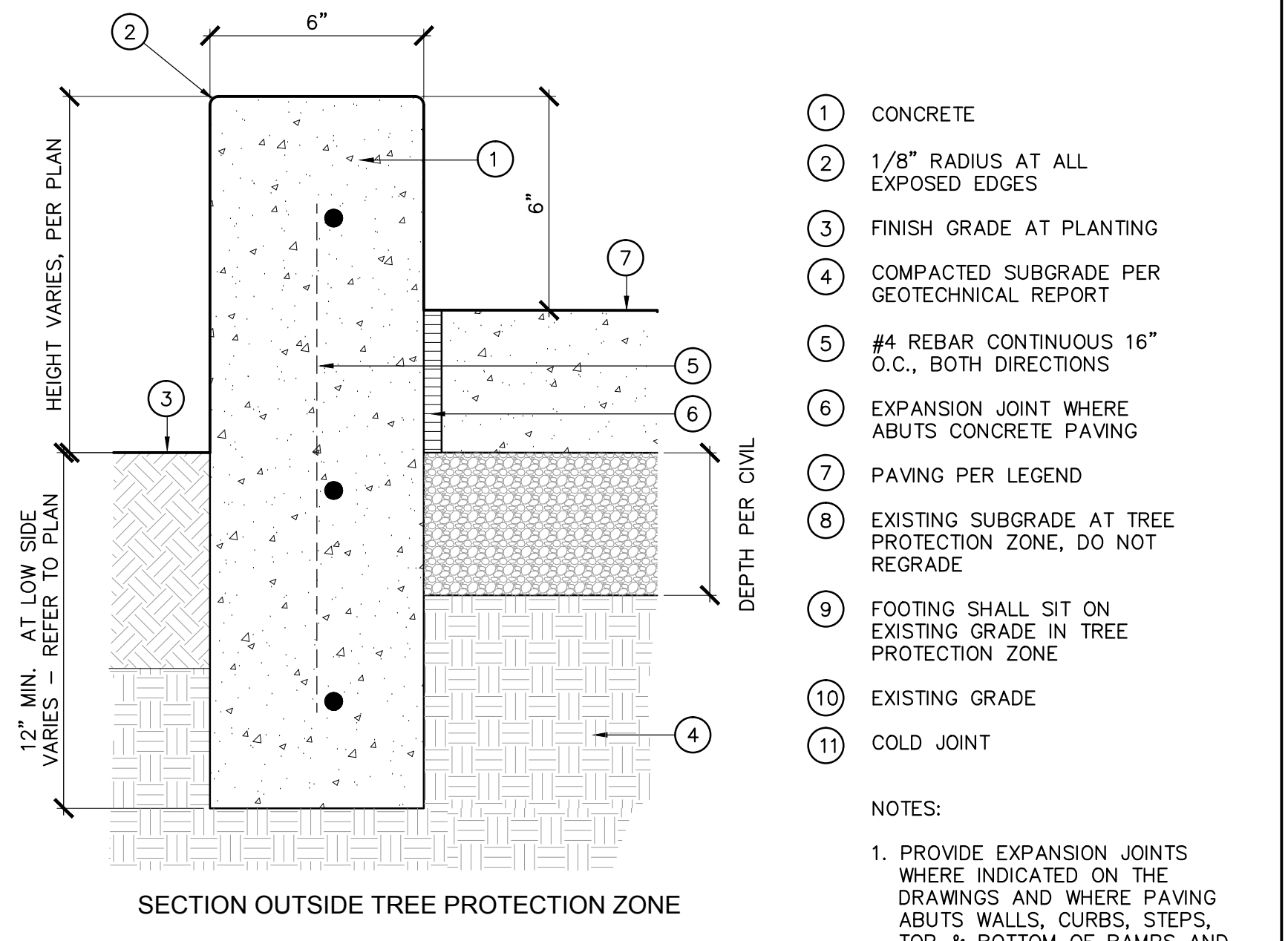
- SECTION**
- 1 1/4" X 5-1/2" X 16'L STEEL EDGER, REFER TO HARDSCAPE PLAN AND LEGEND
 - 2 1/4" STEEL STAKE, TAPERED, PER MANUFACTURER'S RECOMMENDATION FOR SIZE, TYPE AND SPACING, FINISH TO MATCH STEEL EDGING
 - 3 FINISH GRADE IN PLANTING AREA
 - 4A 1" CRUSHED AGGREGATE MULCH PER PLAN
 - 4B 2-4" CRUSHED AGGREGATE MULCH PER PLAN
 - 5 COMPACTED SUBGRADE PER GEOTECHNICAL REPORT
 - 6 PLANTING BACKFILL PER SPECIFICATIONS

4 METAL HEADER 3" = 1'-0"



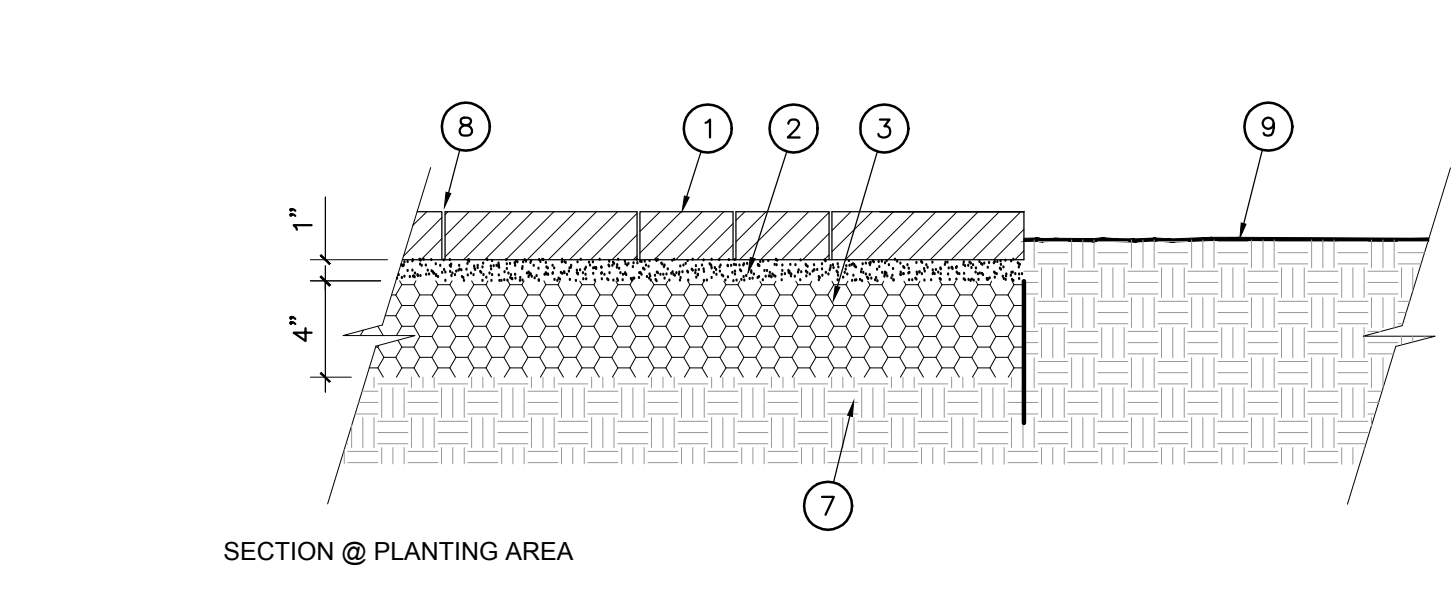
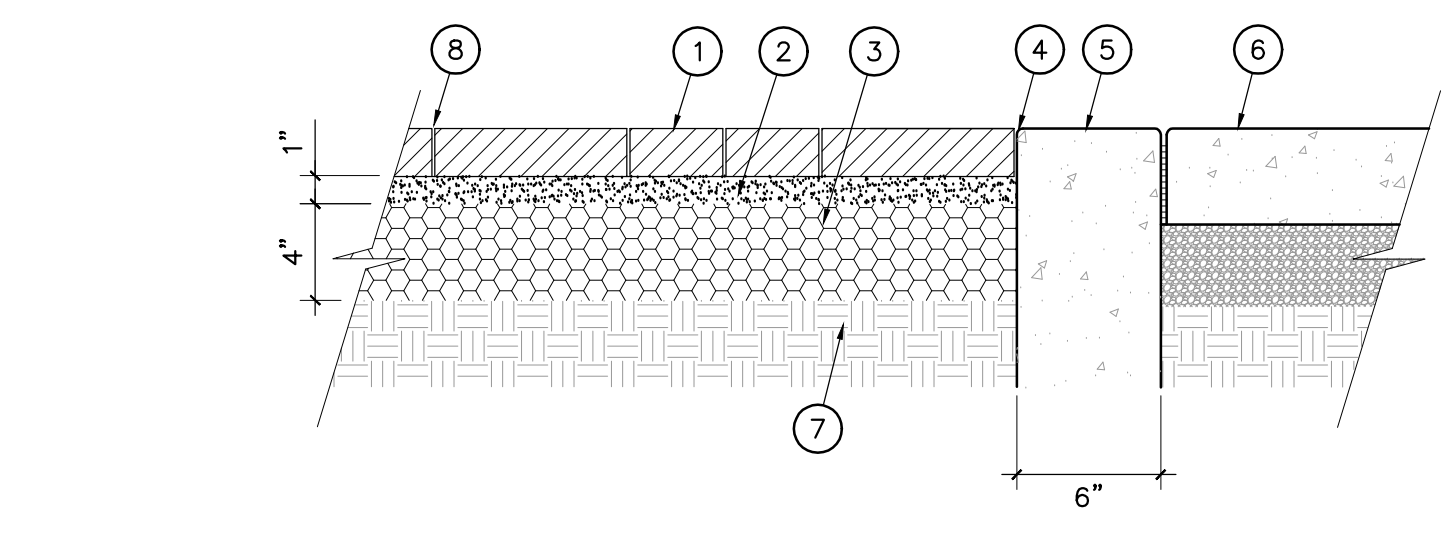
- SECTION**
- 1 POROUS CONCRETE PER LEGEND, DEPTH PER CIVIL
 - 2 1" X #4 CHOKER COURSE, 1" MIN. THICK
 - 3 1-1/2" WASHED UNIFORM GRADED AGGREGATE BASE.
 - 4 NON-WOVEN GEOTEXTILE
 - 5 COMPACTED SUBGRADE PER GEOTECHNICAL REPORT
- NOTES:
1. PROVIDE EXPANSION JOINTS WHERE INDICATED ON THE DRAWINGS, AND WHERE PAVING ABUTS WALLS, CURBS, STEPS, RAMPS AND OTHER VERTICAL APPURTENANCES. OMIT DOWELS WHERE ABUTTING WALLS, BUILDINGS, & CURBS.
 2. ALL SCORE JOINTS SHALL BE SAWCUT.
 3. COLD JOINTS ONLY AT EXPANSION JOINTS.
 4. EXPANSION JOINTS 20' O.C. MAX SPACING
 5. REFER TO L1.08 FOR BASE DEPTH NEAR TREE PROTECTION ZONE. IN THE TREE PROTECTION ZONE, DO NOT COMPACT EXISTING SUBGRADE NOR EXCAVATE BELOW EXISTING GRADE

5 POROUS PAVING 3" = 3'-0"



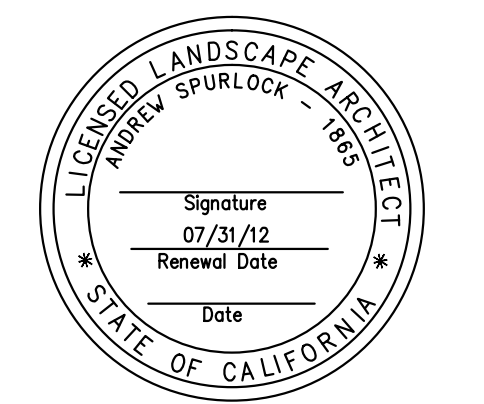
- 1 CONCRETE
 - 2 1/8" RADIUS AT ALL EXPOSED EDGES
 - 3 FINISH GRADE AT PLANTING
 - 4 COMPACTED SUBGRADE PER GEOTECHNICAL REPORT
 - 5 #4 REBAR CONTINUOUS 16" O.C., BOTH DIRECTIONS
 - 6 EXPANSION JOINT WHERE ABUTS CONCRETE PAVING
 - 7 PAVING PER LEGEND
 - 8 EXISTING SUBGRADE AT TREE PROTECTION ZONE, DO NOT REGRADE
 - 9 FOOTING SHALL SIT ON EXISTING GRADE IN TREE PROTECTION ZONE
 - 10 EXISTING GRADE
 - 11 COLD JOINT
- NOTES:
1. PROVIDE EXPANSION JOINTS WHERE INDICATED ON THE DRAWINGS AND WHERE PAVING ABUTS WALLS, CURBS, STEPS, TOP & BOTTOM OF RAMPS AND OTHER VERTICAL APPURTENANCES. OMIT DOWELS WHERE ABUTTING WALLS, BUILDINGS AND CURBS.
 2. ALL TOOLED EDGES OF JOINTS SHALL BE 1/8" RADIUS MAX

6 RAISED CURB 3" = 1'-0"



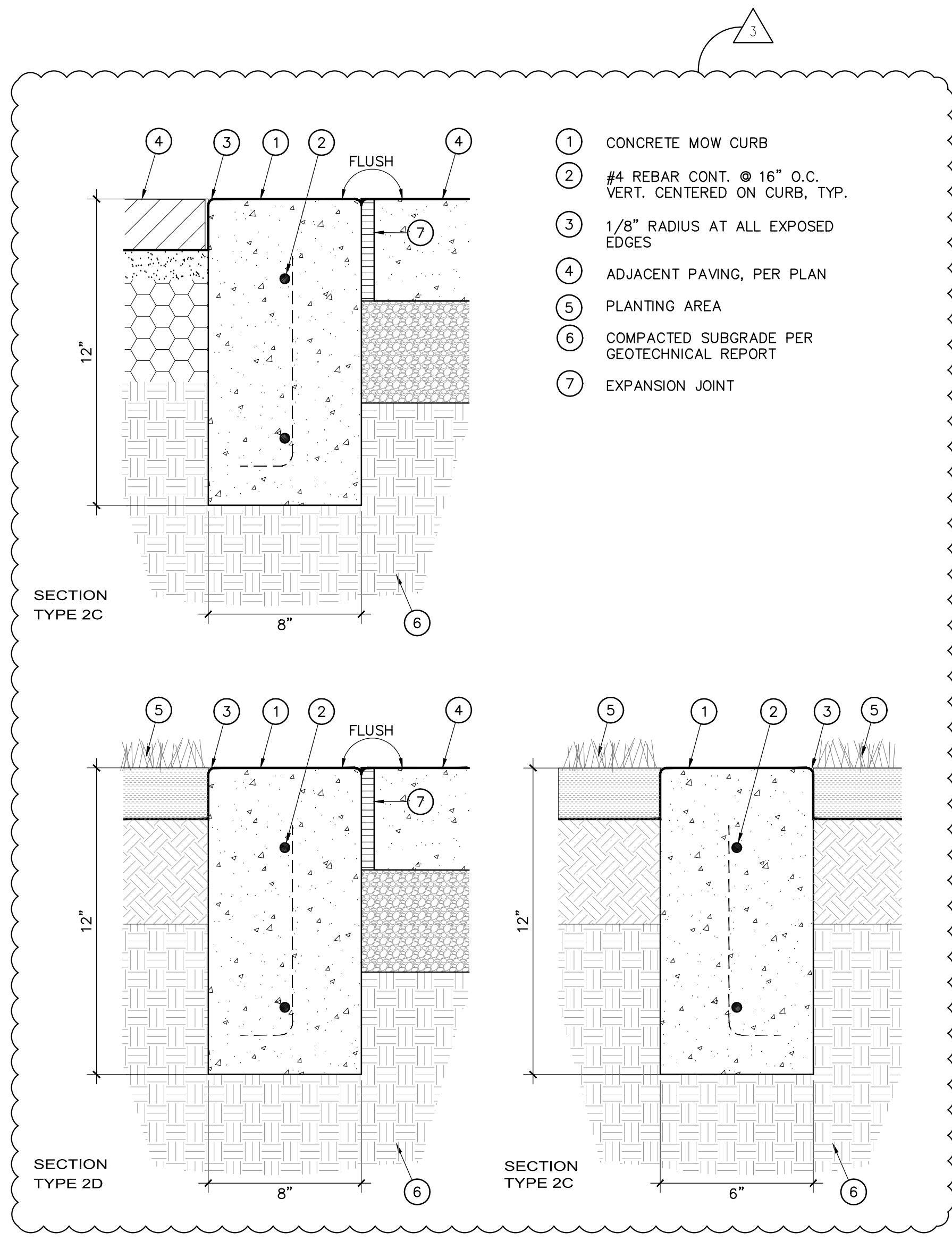
- 1 PAVERS SEE MATERIALS SCHEDULE
 - 2 SAND SETTING BED
 - 3 COMPACTED BASE MATERIAL PER SPECS
 - 4 1/8" RADIUS EDGES
 - 5 CONCRETE MOW CURB, SEE DETAIL
 - 6 PERMEABLE CONCRETE PATH, SEE DETAIL
 - 7 COMPACTED SUBGRADE PER GEOTECHNICAL REPORT
 - 8 SWEEP SAND INTO ALL JOINTS
 - 9 FINISH GRADE
- NOTES: REFER TO PLANS FOR STAKING, LAYOUT AND PATTERN OF PAVERS

7 FLAGSTONE PAVERS 3" = 1'-0"

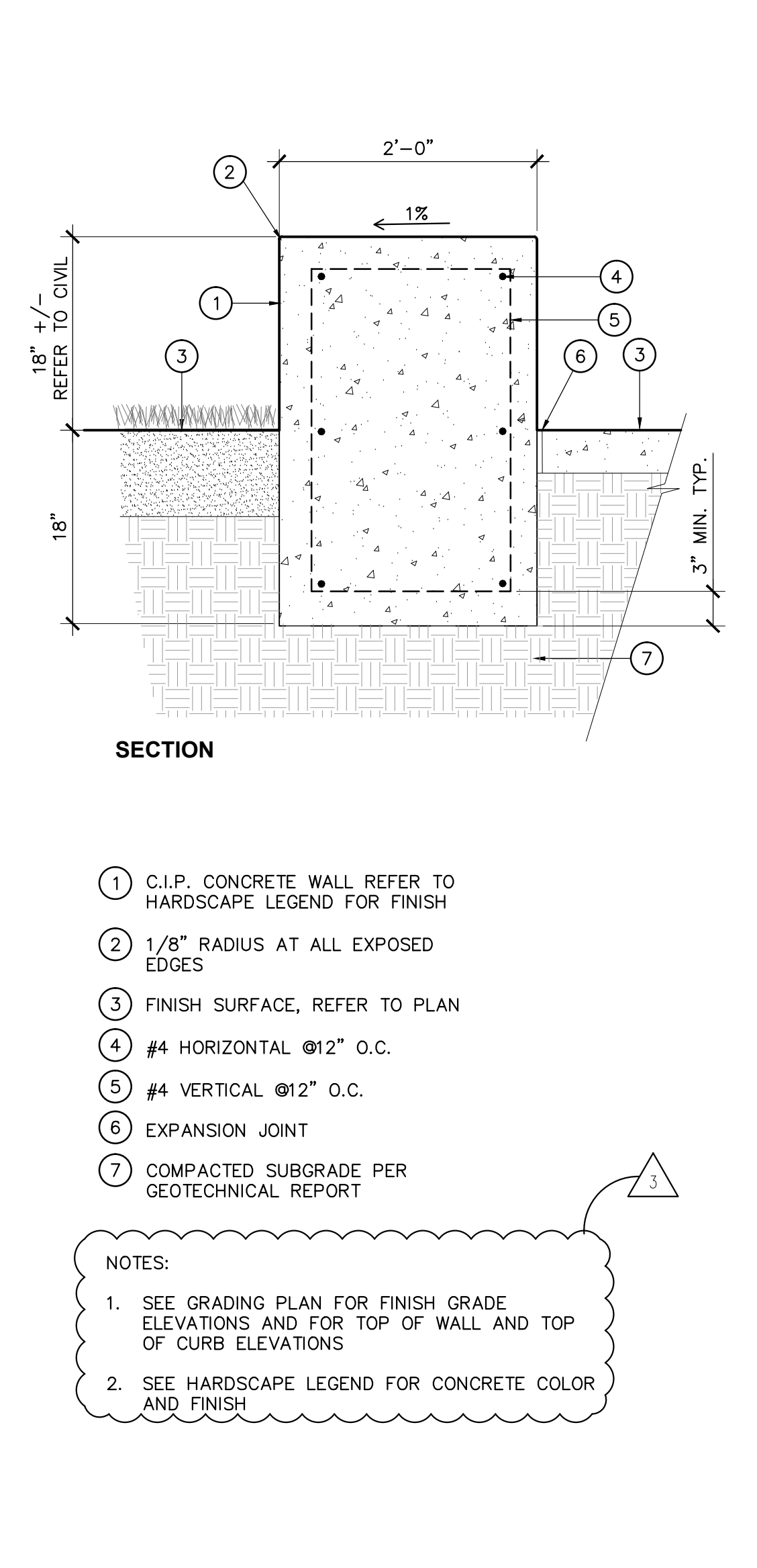


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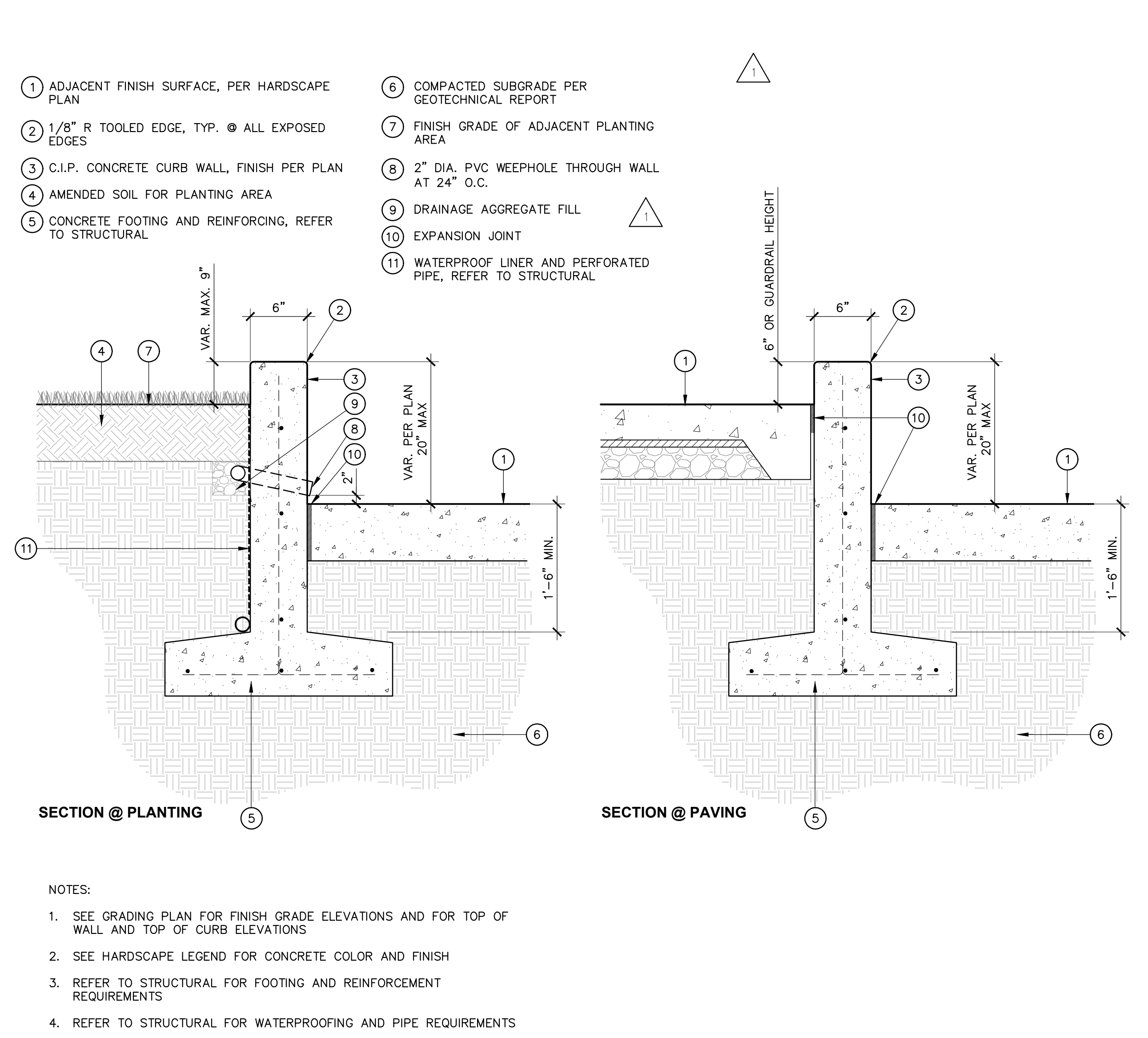
SHEET NO. 1 OF 1
DWG. NO. 11-1
TITLE OF PROJECT:



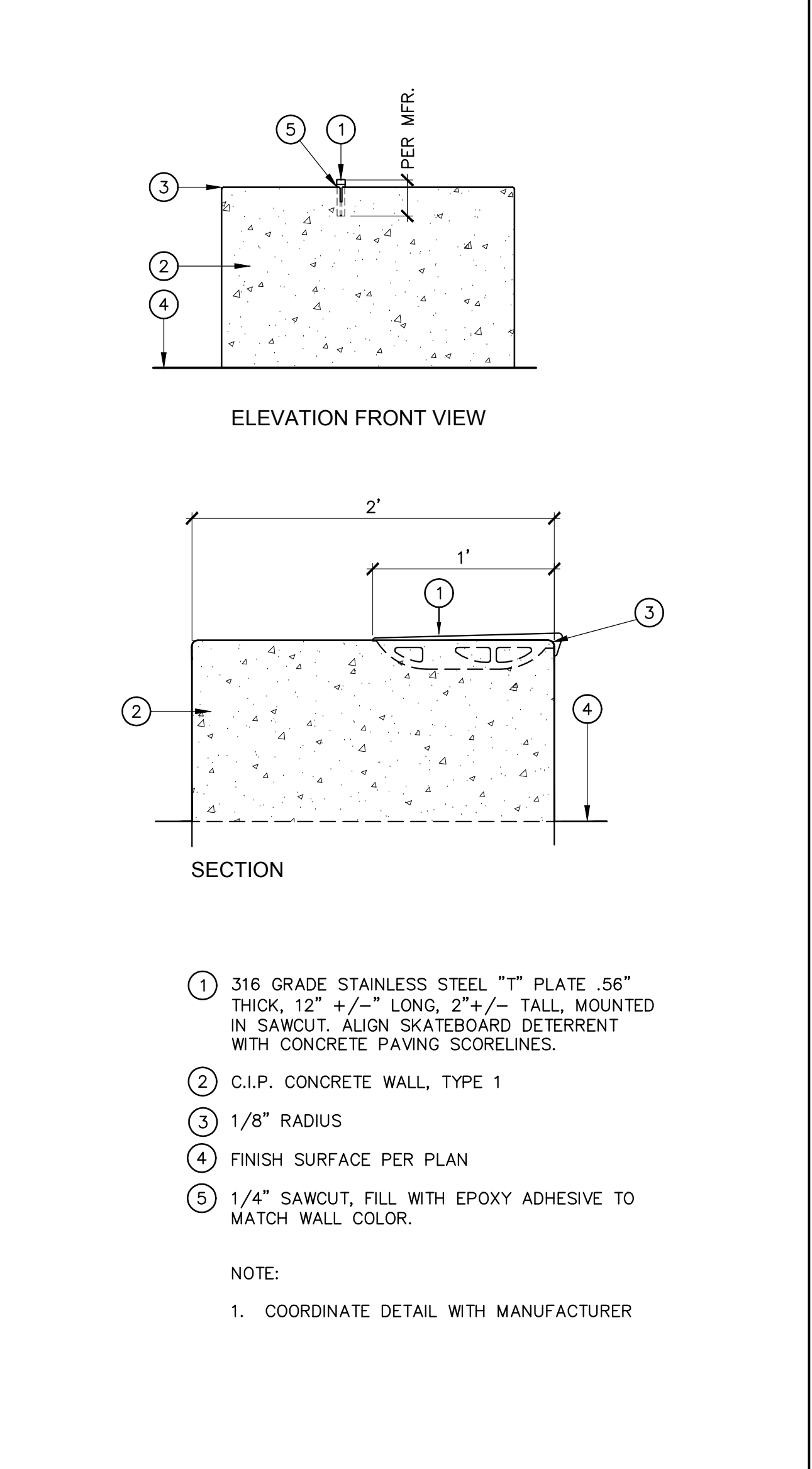
1 MOW CURB 3" = 1'-0"



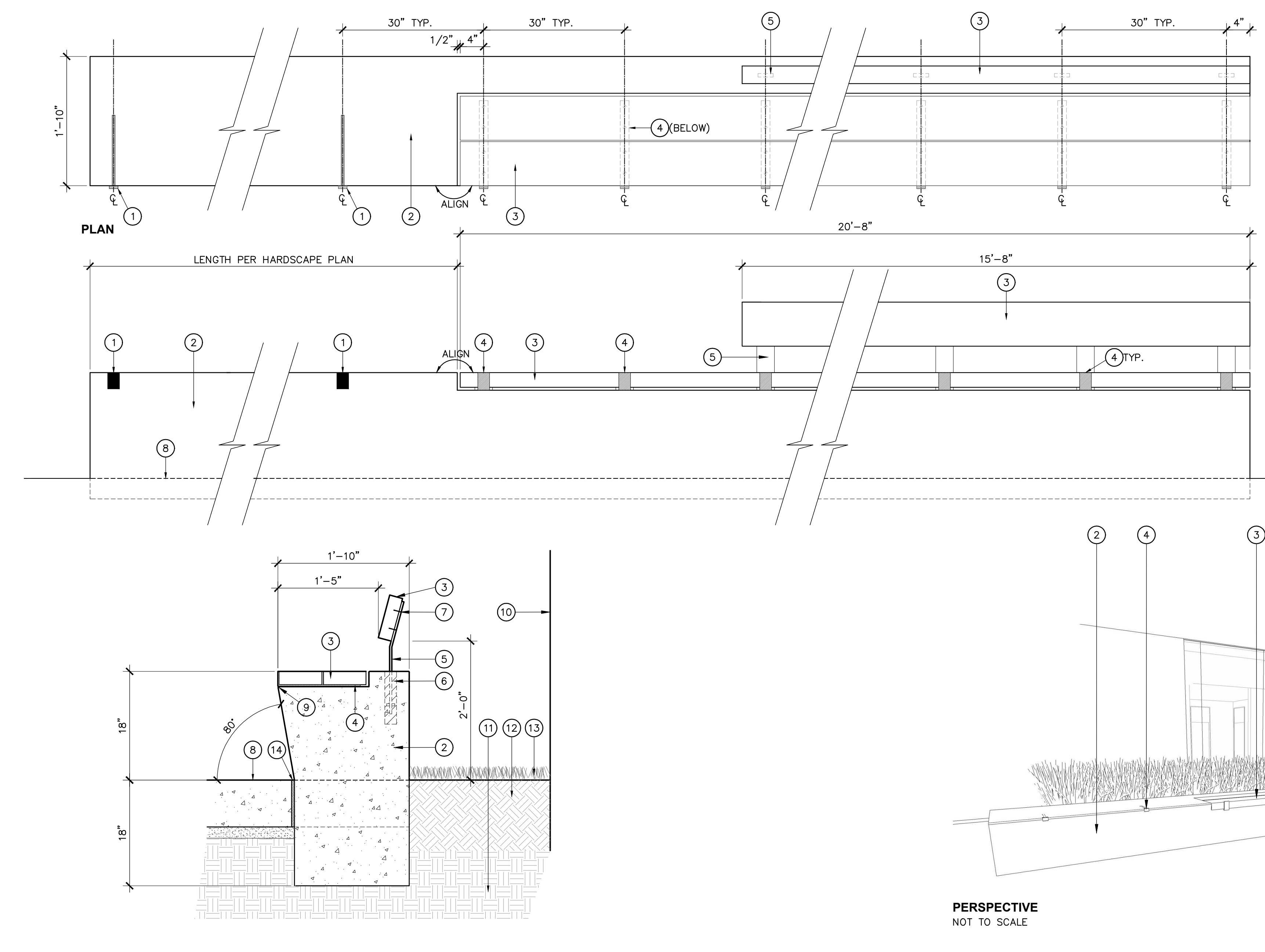
2 C.I.P. CONC. SEAT WALL TYPE 1 1" = 1'-0"



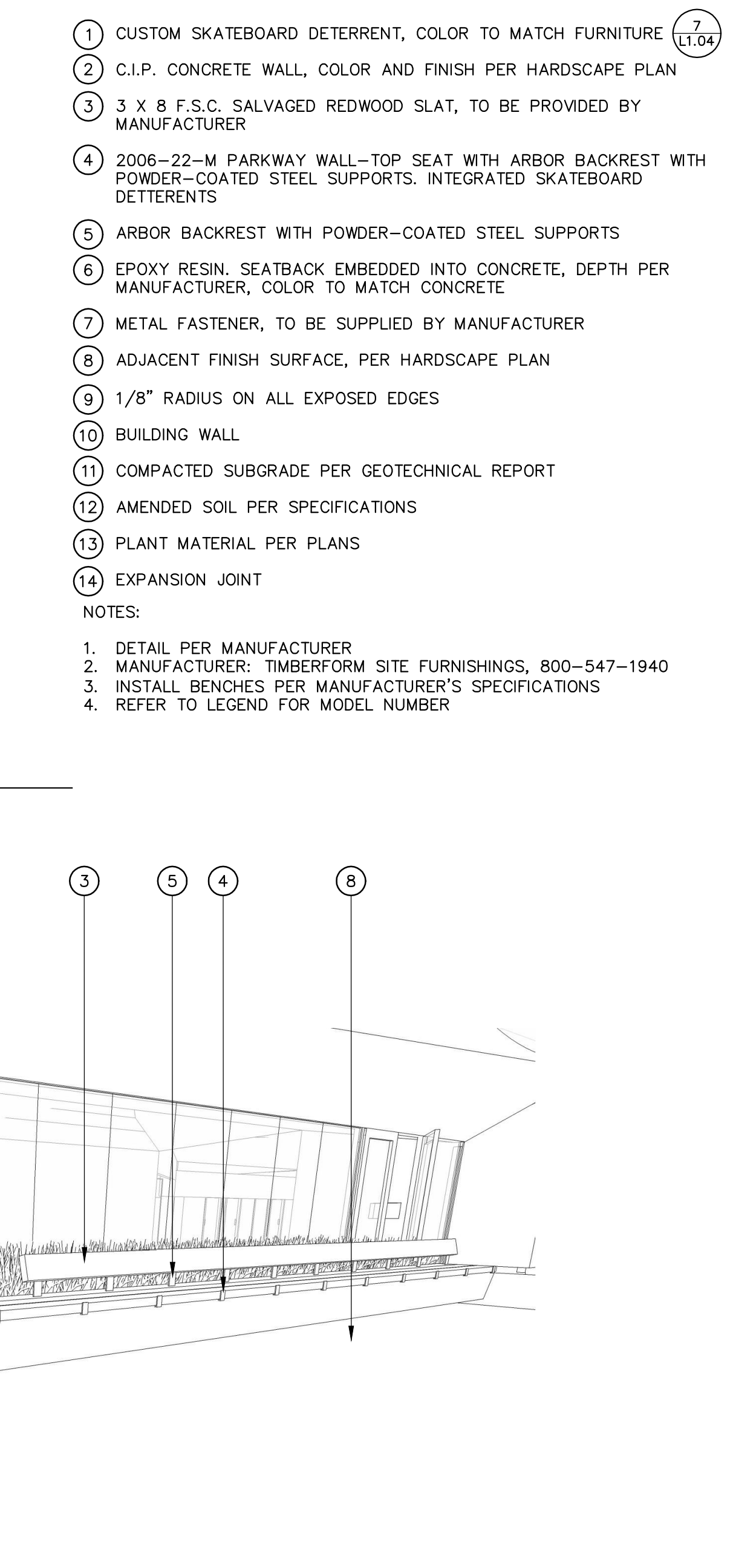
3 C.I.P. CONCRETE RETAINING WALL 1" = 1'-0"



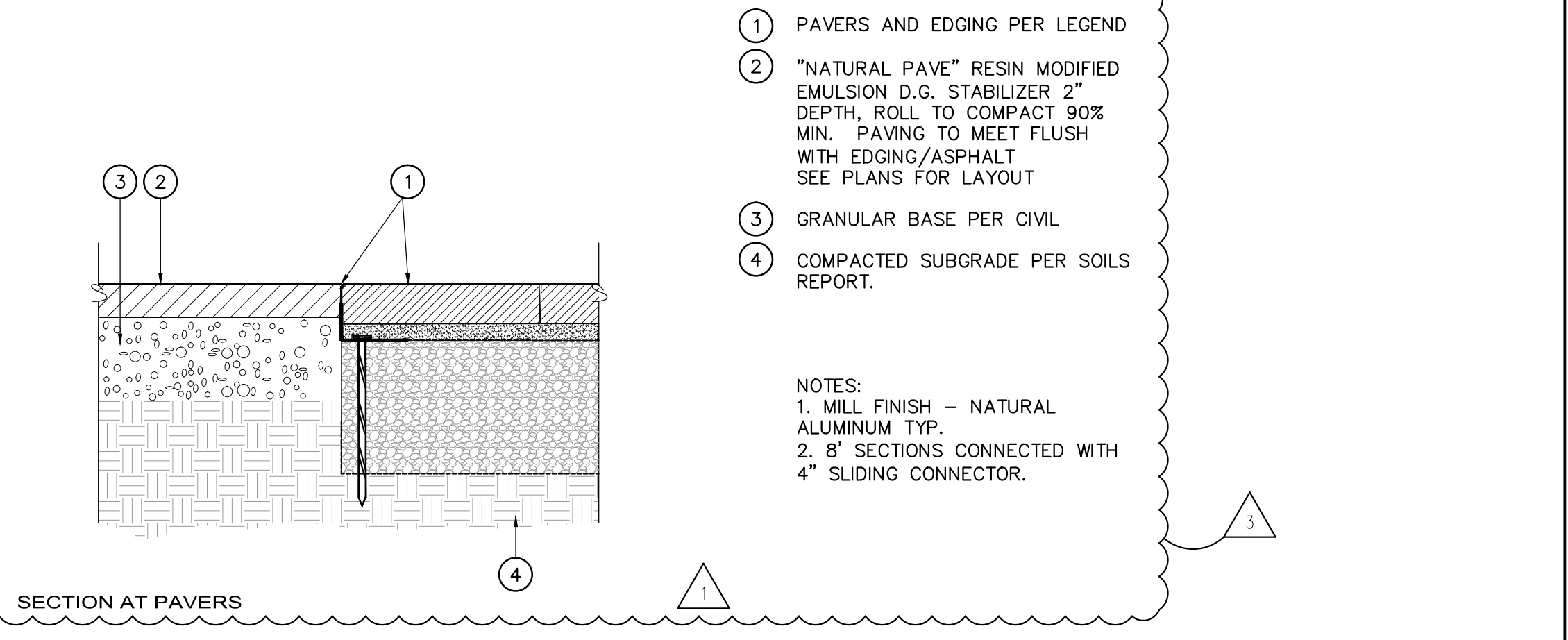
4 SKATEBOARD DETERRENT, TYPE 1 1 1/2" = 1'-0"



5 SEAT WALL WITH WOOD BENCH, TYPE 2



7 SKATEBOARD DETERRENT, TYPE 2 1" = 1'-0"



6 RESIN PAVING 1" = 1'-0"

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Santa Monica, CA 90404

PROJECT
Koning Eisenberg Architecture
1454 25th St. Santa Monica, CA 90404
310.828.6131 info@kearch.com
310.828.0719 www.kearch.com

ARCHITECTS PROJECT NO. **1001**

ARCHITECT
SPURLOCK POIRIER
LANDSCAPE ARCHITECTS

257 Hancock Street
San Diego, CA 92101
619.581.0290
619.581.0296 fax

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CONSULTANT
City of Santa Monica
Architecture Services
1437 4TH STREET, SUITE 300
SANTA MONICA, CA 90401
TEL. (310) 452-2205
FAX. (310) 399-1541
architecture@simgov.net

DATE: _____ 20__

APPROVED BY: _____
Miriam Mulder,
Architecture Services Manager
CITY OF SANTA MONICA
DEPARTMENT OF PUBLIC WORKS

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Δ	02/21/12		ADDENDUM 2

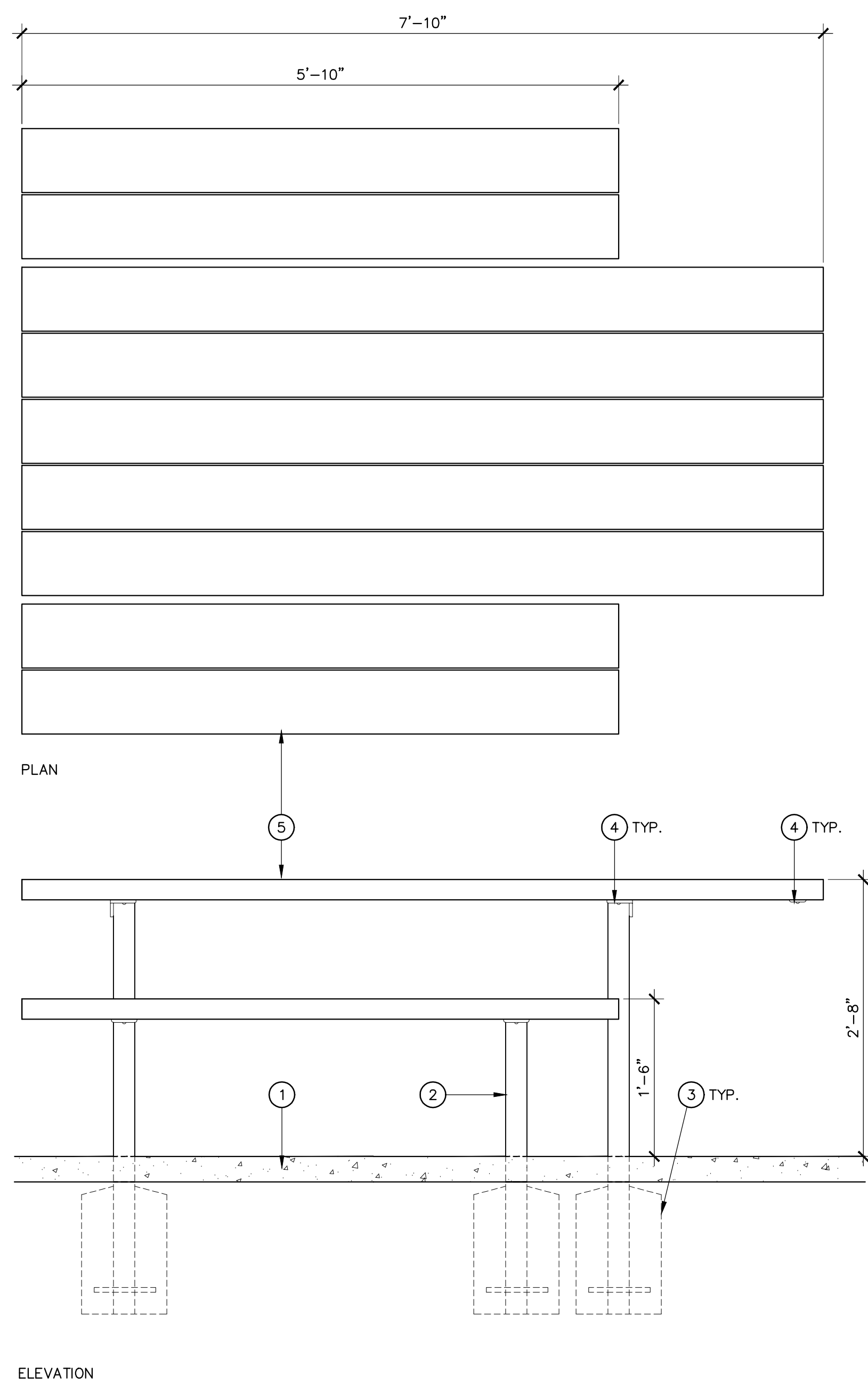
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DATE: 07/16/2012
DRAWING NO. **6693**

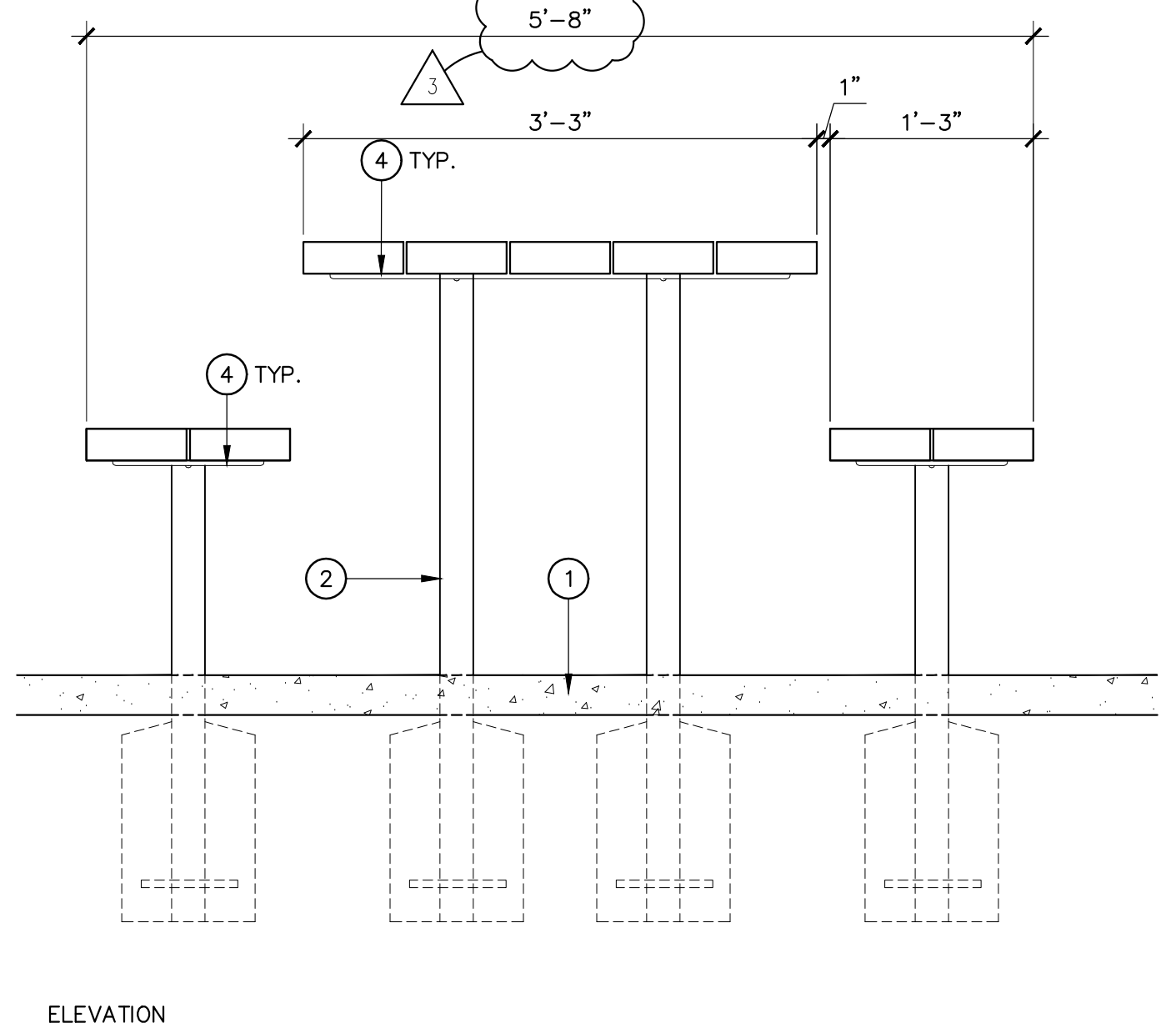
SHEET TITLE
Hardscape Details

SHEET NO.
L1.04



- ① ADJACENT CONCRETE, PER HARDSCAPE PLAN
- ② 2063-8-E-M PARKWAY ACCESSIBLE PICNIC TABLE WITH BLACK POWDER-COAT FINISH
- ③ C.I.P. CONCRETE FOOTING; CONCRETE FOOTINGS TO BE DESIGN/BUILD PER CONTRACTOR. REFER TO GEOTECHNICAL REPORT.
- ④ METAL FASTENER, TO BE SUPPLIED BY MANUFACTURER
- ⑤ 3 X 8 SALVAGE REDWOOD PLANK, TO BE SUPPLIED BY MANUFACTURER

NOTES:
 1. DETAIL PER MANUFACTURER
 2. MANUFACTURER: TIMBERFORM SITE FURNISHINGS, 800-547-1940
 3. INSTALL PER MANUFACTURER'S SPECIFICATIONS
 4. REFER TO LEGEND FOR MODEL NUMBER

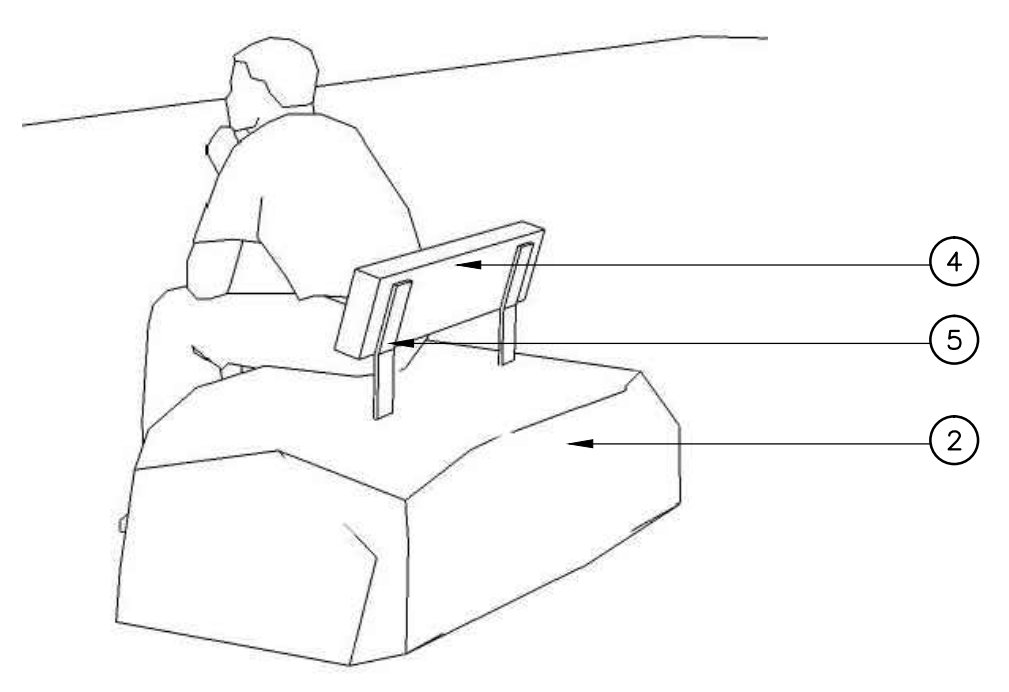


1 PICNIC TABLE

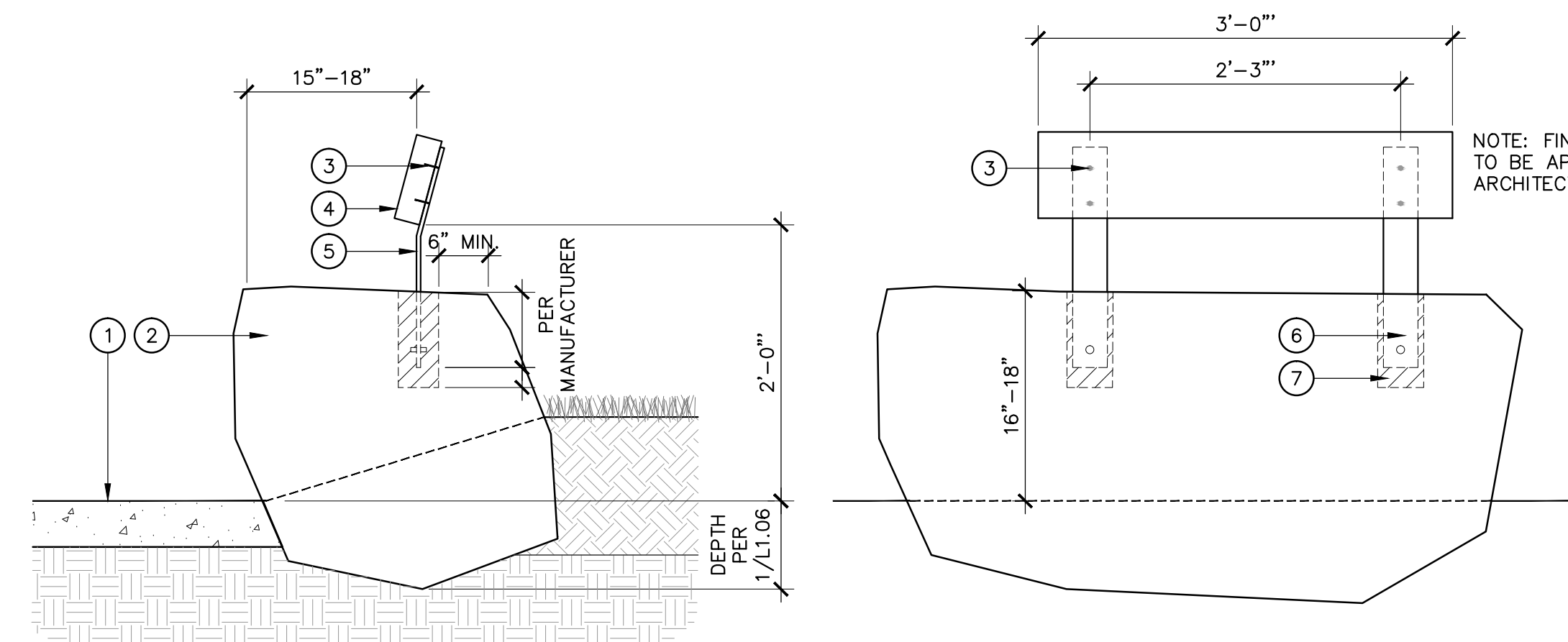
1" = 1'-0"

- ① ADJACENT FINISHED SURFACE, VARIES PER HARDSCAPE PLAN
- ② BOULDER TO MATCH EXISTING ONSITE, TO BE SELECTED BY LANDSCAPE ARCHITECT. TO BE INSTALLED PER 1/L1.06
- ③ METAL FASTENER, TO BE SUPPLIED BY MANUFACTURER
- ④ 3 X 8 SALVAGE REDWOOD SLATS, TO BE SUPPLIED BY MANUFACTURER
- ⑤ 2201-6-B-M ARBOR BENCH BACKREST WITH POWDER-COATED STEEL SUPPORTS
- ⑥ SEATBACK EMBEDDED INTO BOULDER, DEPTH PER MANUFACTURER
- ⑦ EPOXY RESIN, TO SECURE SEATBACK INTO BOULDER, HOLE DIA. AND DEPTH PER MANUFACTURER'S RECOMMENDATIONS. COLOR TO MATCH BOULDER.

NOTES:
 1. DETAIL PER MANUFACTURER
 2. MANUFACTURER: TIMBERFORM SITE FURNISHINGS, 800-547-1940
 3. INSTALL BENCHES PER MANUFACTURER'S RECOMMENDATIONS
 4. LANDSCAPE ARCHITECT TO OBSERVE AND APPROVE CORRECT LOCATIONS OF BOULDERS PRIOR TO INSTALLATION
 5. BOULDER TO BE PLACED SUCH THAT A FLAT SURFACE FACES UP, WITH NO PROTRUSIONS EXTENDING VERTICALLY OR ROUGH EDGES EXPOSED



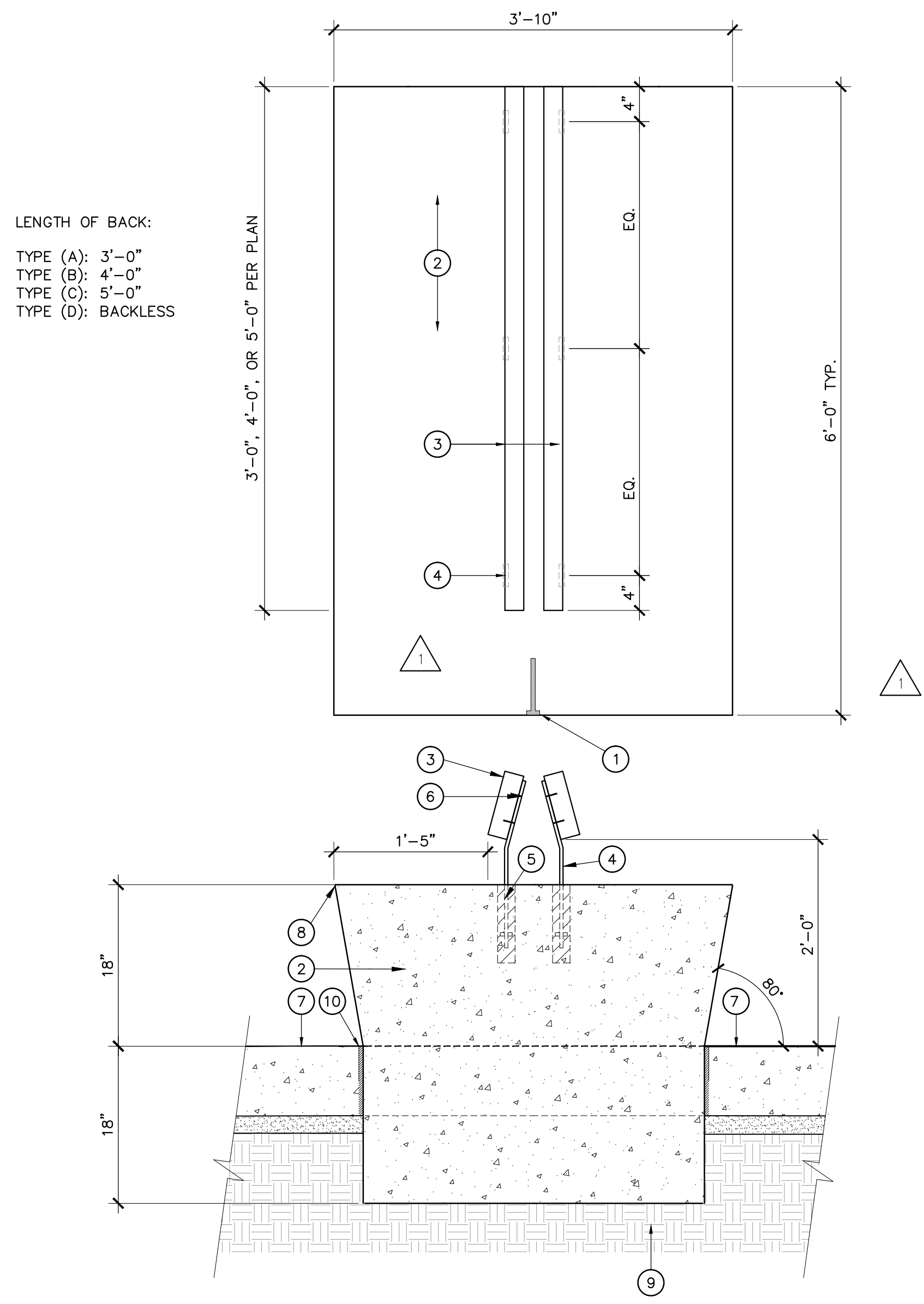
PERSPECTIVE
NOT TO SCALE



NOTE: FINAL PLACEMENT OF BOULDERS TO BE APPROVED BY LANDSCAPE ARCHITECT ON SITE.

3 BENCH TYPE 2

1" = 1'-0"



LENGTH OF BACK:
 TYPE (A): 3'-0"
 TYPE (B): 4'-0"
 TYPE (C): 5'-0"
 TYPE (D): BACKLESS

PERSPECTIVE
NOT TO SCALE

- ① CUSTOM FABRICATED C.I.P. SKATEBOARD DETERRENT
- ② C.I.P. CONCRETE BENCH, COLOR AND FINISH PER LEGEND
- ③ 3 X 8 SALVAGE REDWOOD SLAT, TO BE PROVIDED BY MANUFACTURER
- ④ 2201-6-B-M ARBOR BENCH BACKREST WITH POWDER-COATED STEEL SUPPORTS
- ⑤ EPOXY RESIN, SEATBACK EMBEDDED INTO CONCRETE, DEPTH PER MANUFACTURER, COLOR TO MATCH CONCRETE
- ⑥ METAL FASTENER, TO BE SUPPLIED BY MANUFACTURER
- ⑦ ADJACENT FINISH SURFACE, PER HARDSCAPE PLAN
- ⑧ 1/8" RADIUS AT ALL EXPOSED CONCRETE EDGES
- ⑨ COMPACTED SUBGRADE PER GEOTECHNICAL REPORT
- ⑩ EXPANSION JOINT

NOTES:
 1. DETAIL PER MANUFACTURER
 2. MANUFACTURER: TIMBERFORM SITE FURNISHINGS, 800-547-1940
 3. INSTALL BENCHES PER MANUFACTURER'S SPECIFICATIONS
 4. REFER TO LEGEND FOR MODEL NUMBER

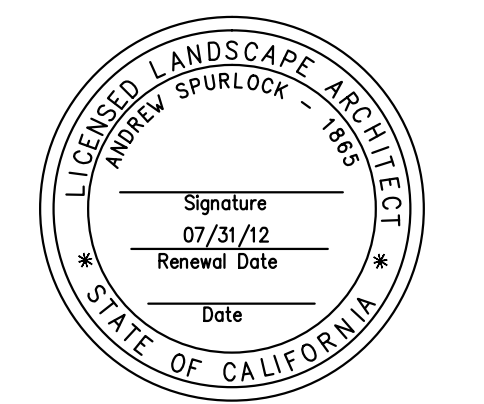
4 SEAT WALL, TYPE 3

1" = 1'-0"

PROJECT
KoningEisenbergArchitecture
 1454 25th St, Santa Monica, CA 90404
 310.828.6131 info@kearch.com
 310.828.0719 fax www.kearch.com
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SPURLOCK POIRIER
 LANDSCAPE ARCHITECTS
 257 Hancock Street
 San Diego, CA 92101
 619.581.0590
 619.581.0596 fax



CONSULTANT
 City of Santa Monica
 Architecture Services
 1437 4TH STREET, SUITE 300
 SANTA MONICA, CA 90401
 TEL. (310) 455-2205
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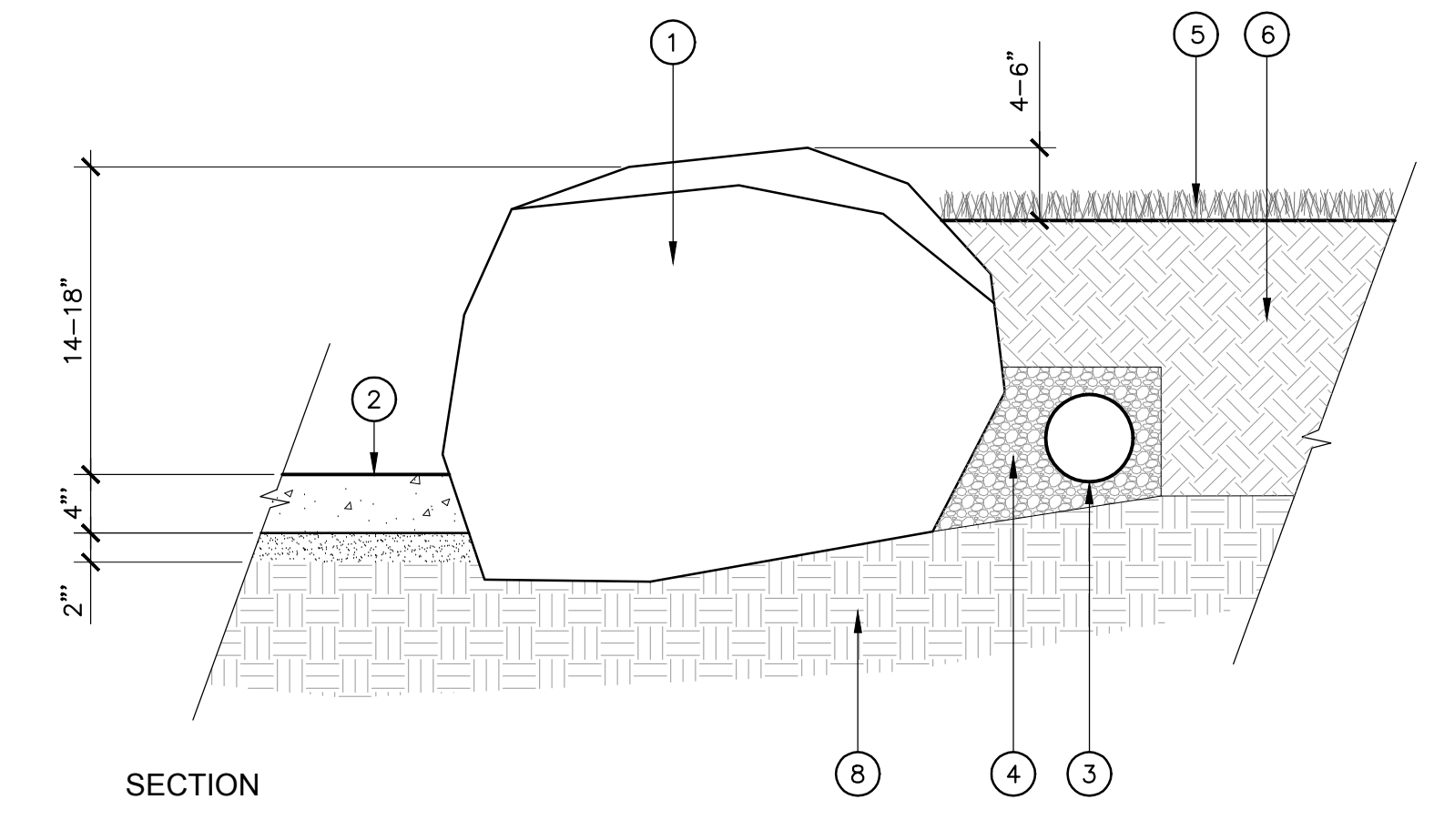
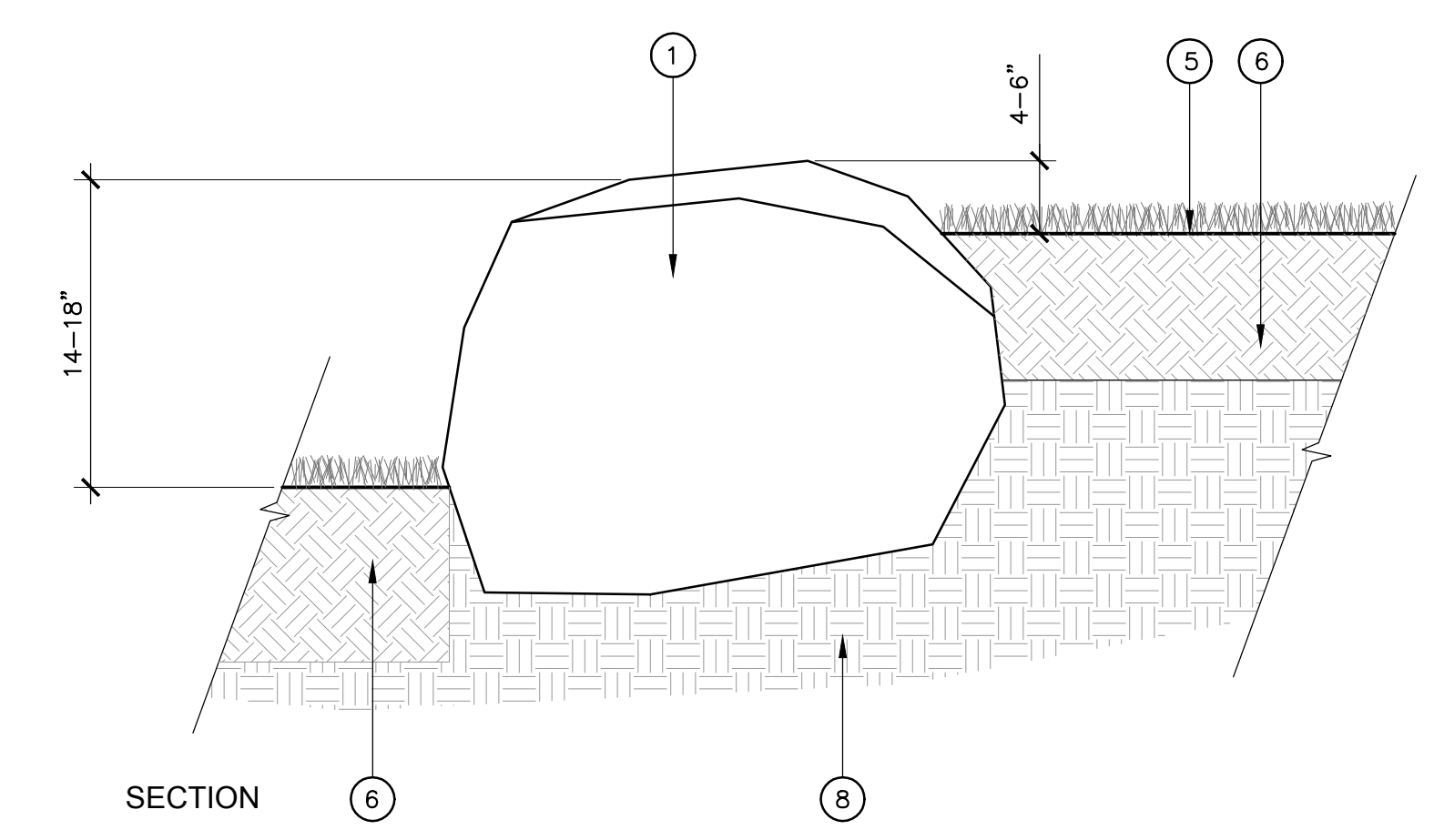
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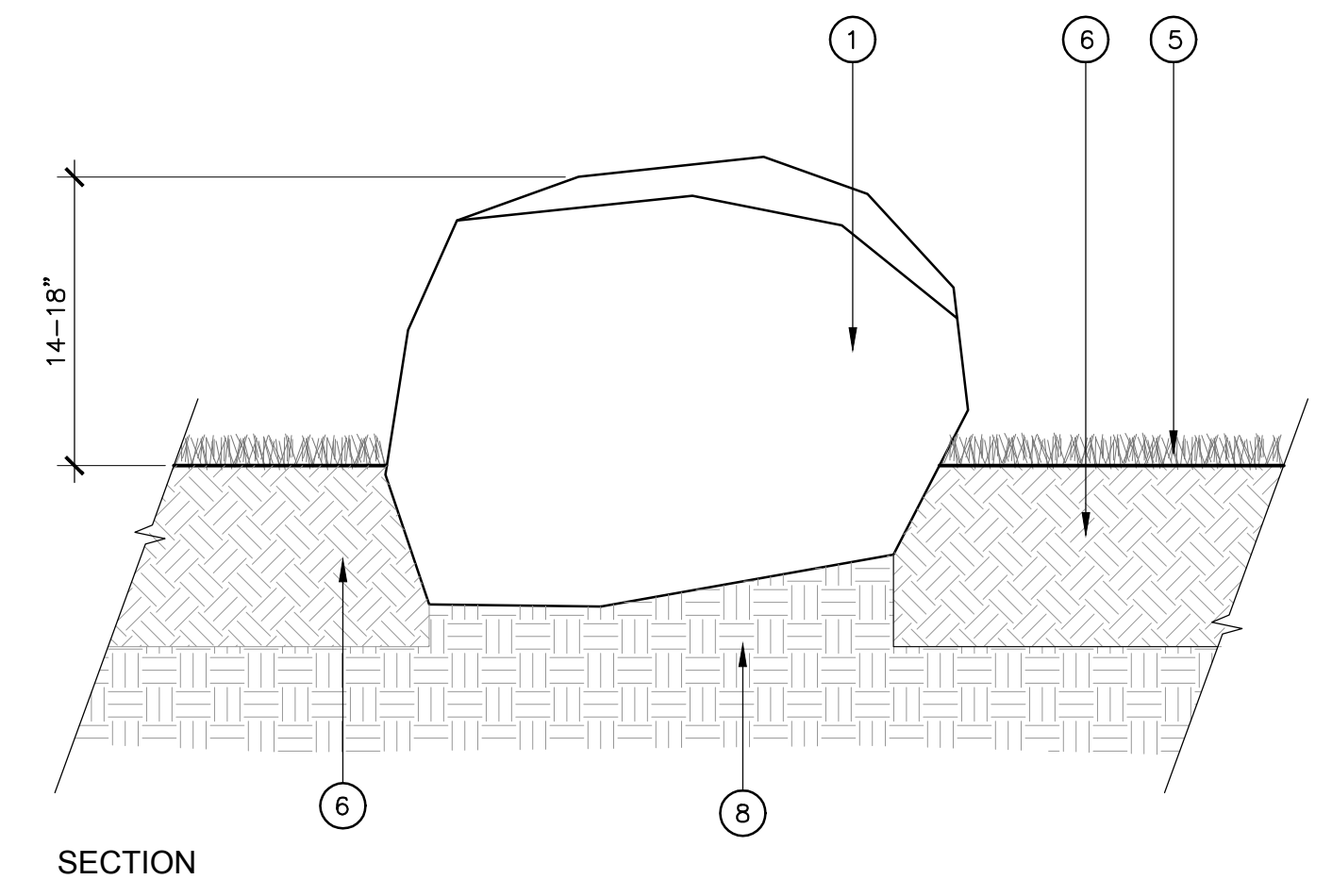
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Hardscape Details

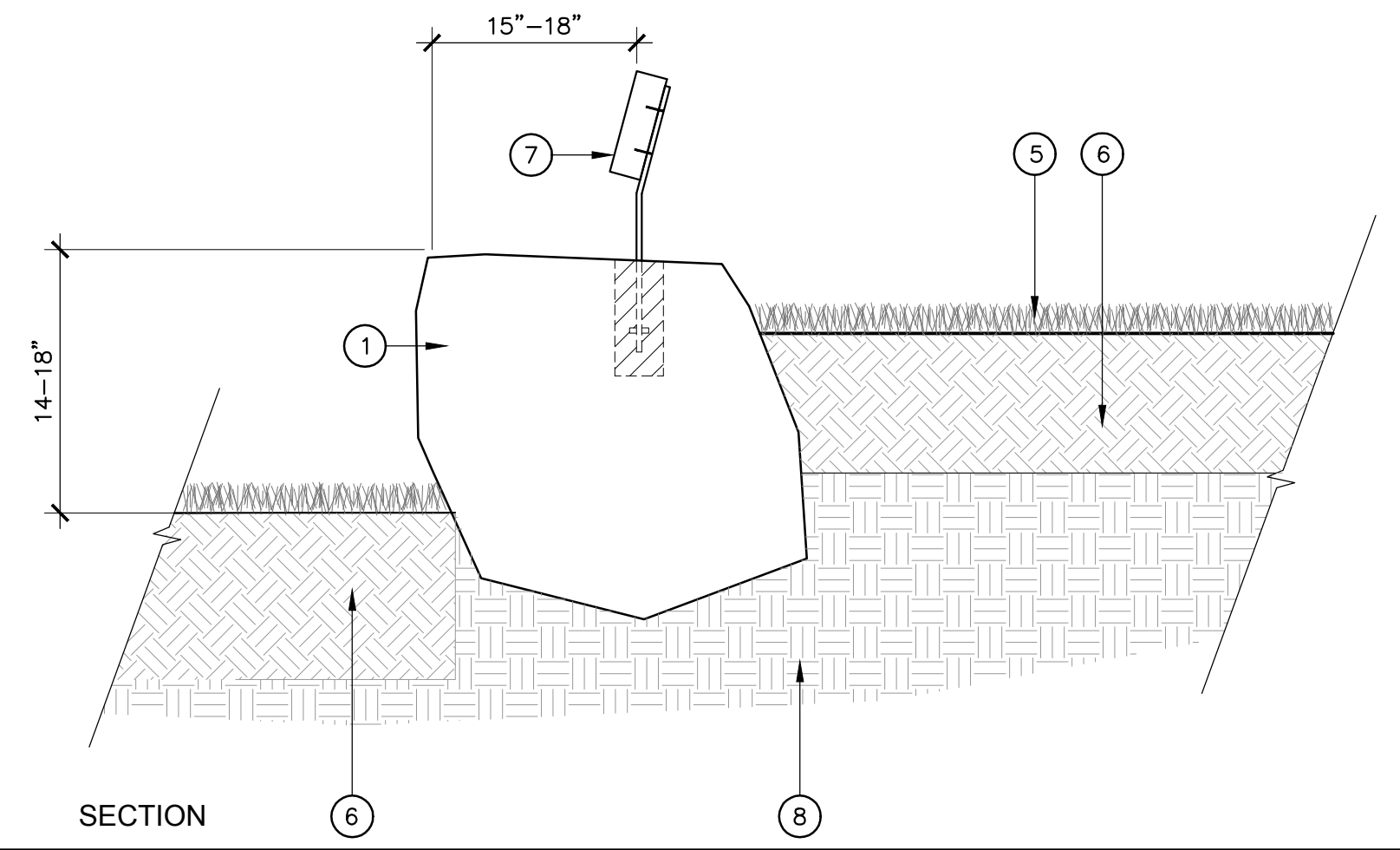
1 BOULDER TYPE 1 - RETAINING 1" = 1'-0"



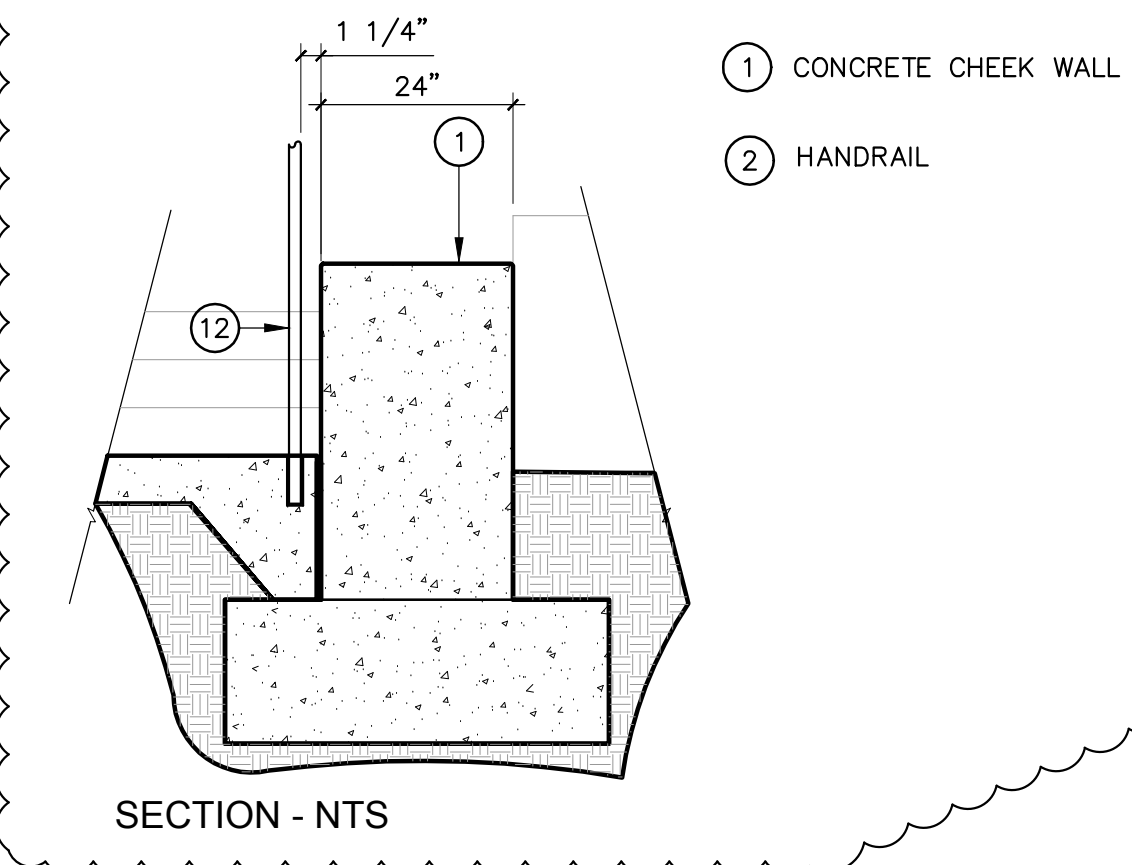
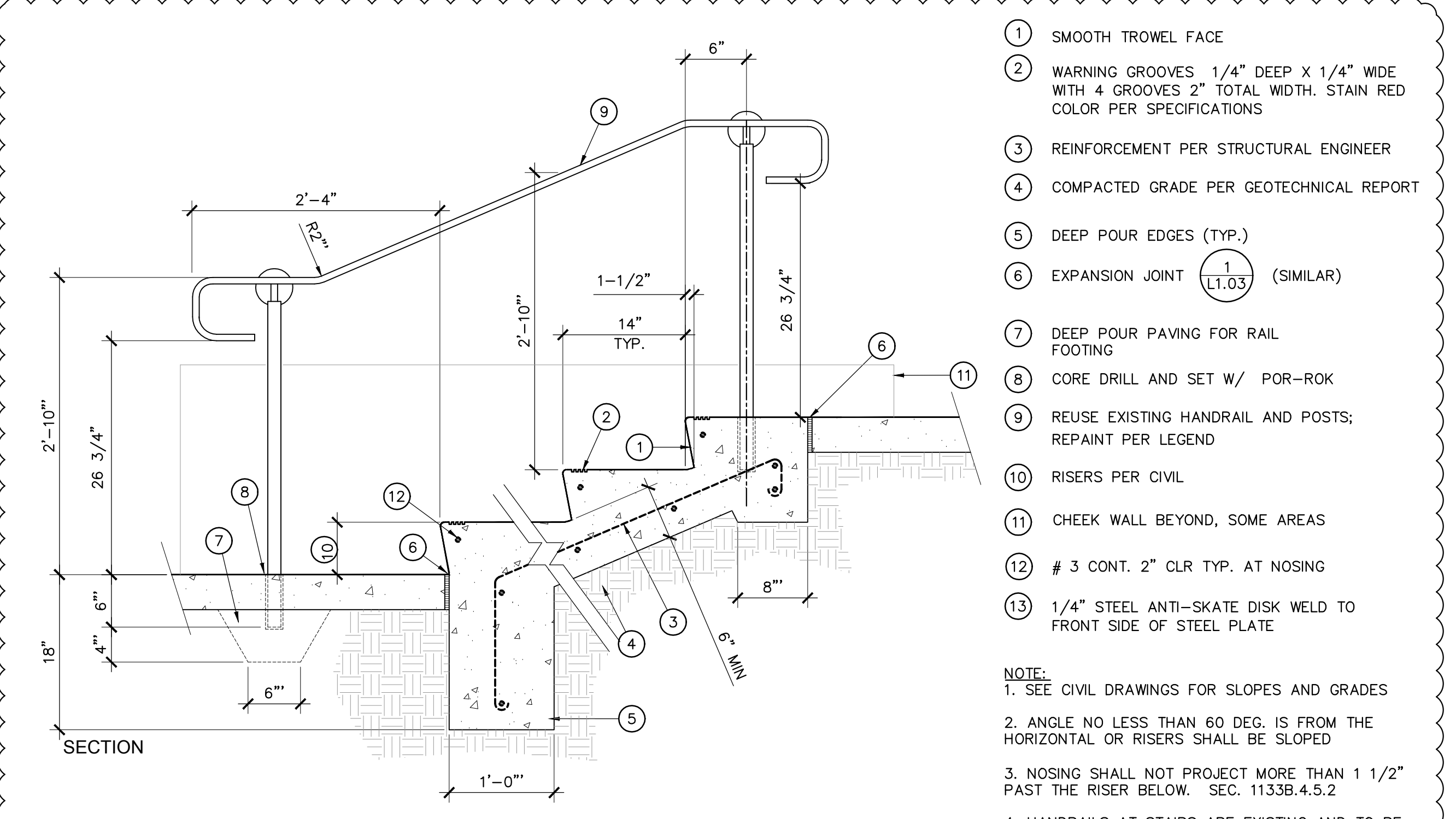
2 BOULDER TYPE 2 - RETAINING ADJACENT TO HARDSCAPE 1" = 1'-0"



3 BOULDER TYPE 3 1" = 1'-0"



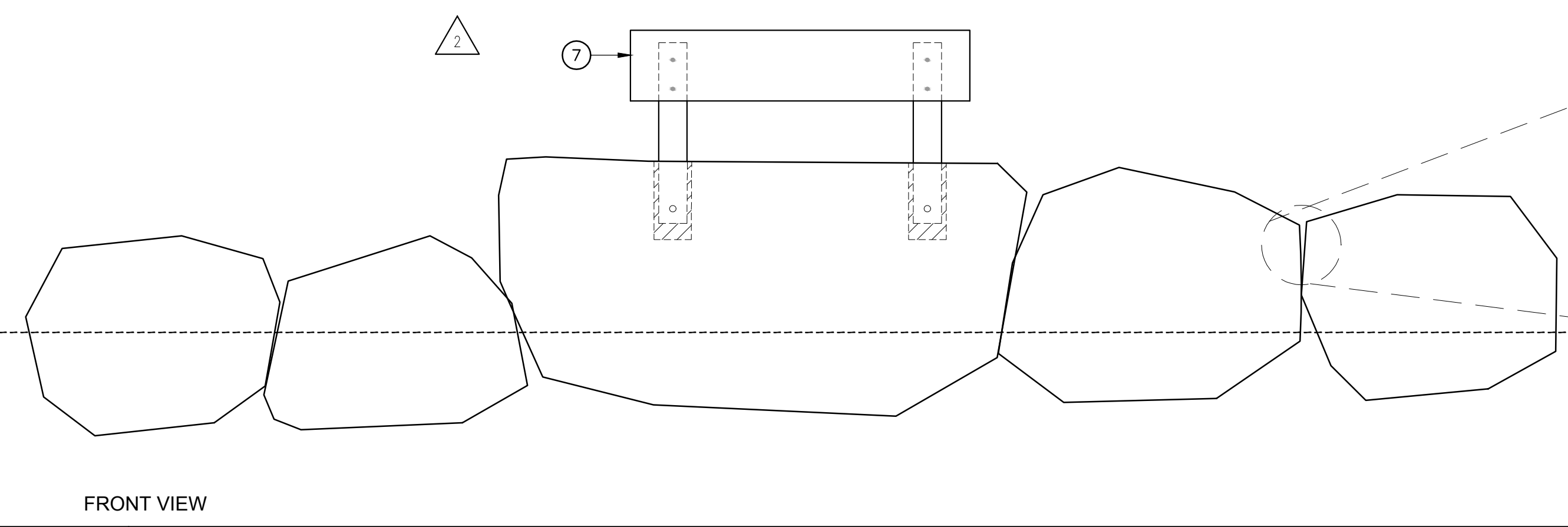
4 BOULDER TYPE 4 - RETAINING W/ SEAT BACK 1" = 1'-0"



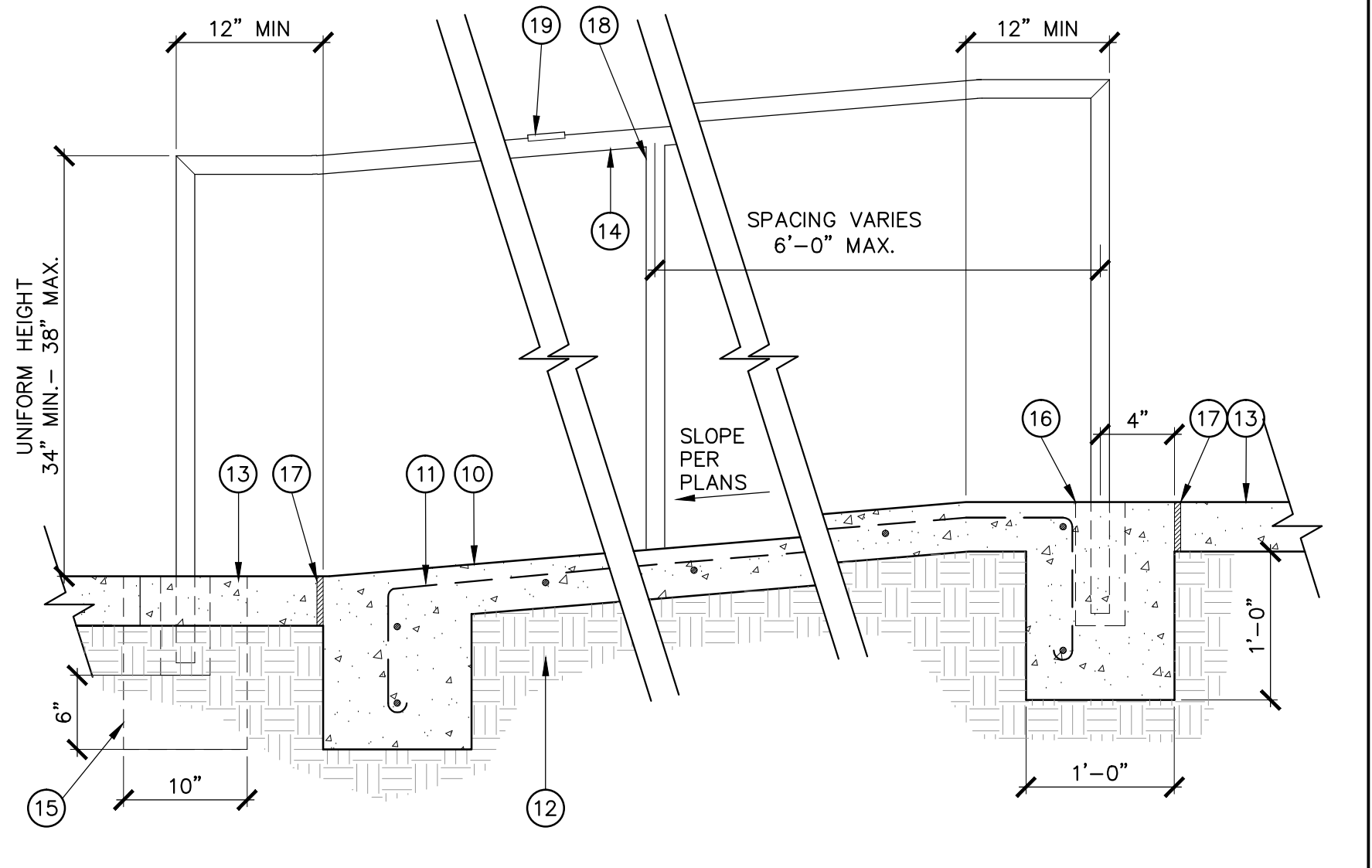
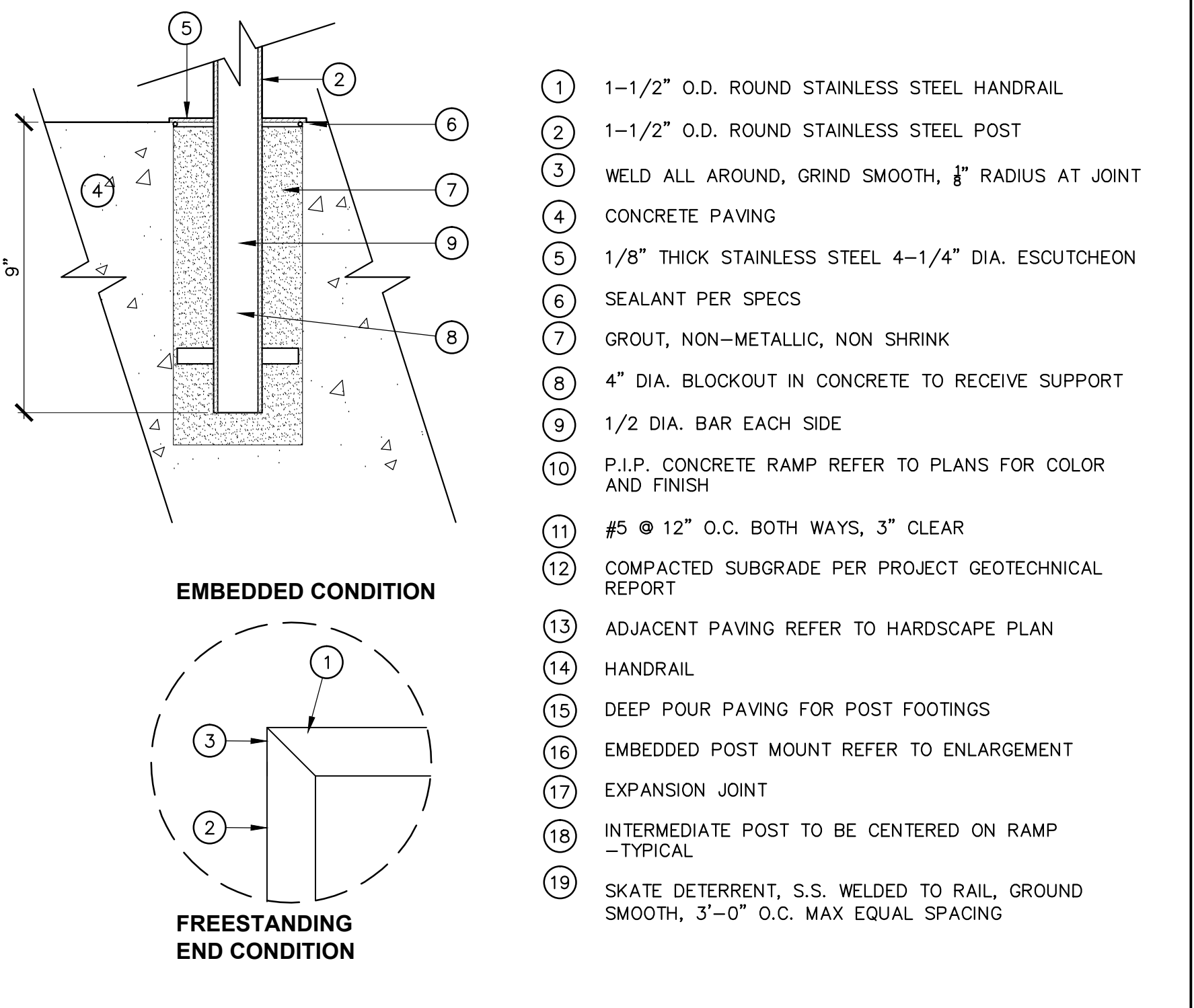
5 CONCRETE STEPS WITH HANDRAILS 1" = 1'-0"

- 1 BOULDER SEAT, LOCATIONS PER PLAN. BOULDER TO MATCH EXISTING ONSITE. TO BE SELECTED BY LANDSCAPE ARCHITECT. TO BE INSTALLED PER DETAIL. PLACE EACH BOULDER IN CONTACT WITH ADJACENT BOULDERS FOR RETAINING PURPOSE. BOULDERS TO BE SET AT MIN. 30% BELOW FINISH SURFACE ON LOW SIDE. REFER TO LEGEND FOR BOULDER SIZING.
- 2 ADJACENT FINISH SURFACE PER HARDSCAPE PLAN
- 3 WRAPPED, PERFORATED DRAIN PIPE. CONNECT TO STORM DRAIN; REFER TO CIVIL ENGINEER DRAWINGS
- 4 3/4" CRUSHED ROCK BACKFILL AROUND PERFORATED PIPE
- 5 PLANT MATERIAL PER PLANTING PLAN
- 6 AMMENDED SITE SOIL PER SPECIFICATIONS
- 7 CUSTOM BENCH, PER 4/L.05
- 8 COMPACTED SUBGRADE PER GEOTECHNICAL REPORT

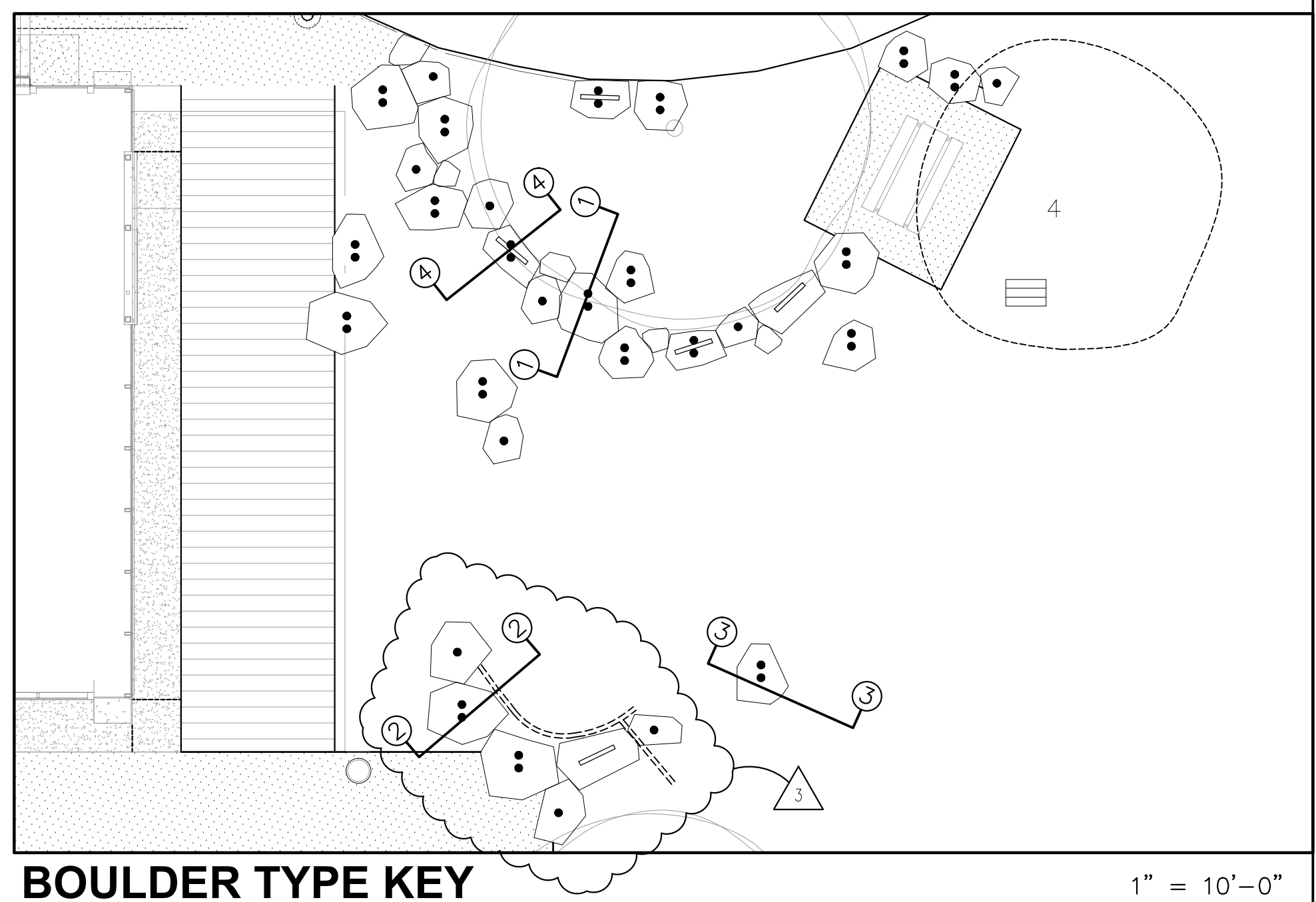
- NOTES:
1. LANDSCAPE ARCHITECT TO OBSERVE AND APPROVE CORRECT LOCATIONS OF BOULDERS PRIOR TO INSTALLATION.
 2. BOULDER TO BE PLACED SO THAT A FLAT SURFACE FACES UP, WITH NO PROTRUSIONS EXTENDING VERTICALLY OR ROUGH EDGES EXPOSED.
 3. CONCRETE CONNECTION BETWEEN BOULDER AND FINISH SURFACE SHALL BE TIGHT AND SHOW NO SEPARATION (BOULDER TO BE PLACED FIRST)
 4. BOULDER SEAT BENCH:
 - 1) MANUFACTURER: TIMBERFORM SITE FURNISHINGS, 800-547-1940
 - 2) INSTALL BENCHES PER MANUFACTURER'S SPECIFICATIONS
 - 3) REFER TO LEGEND FOR MODEL NUMBER



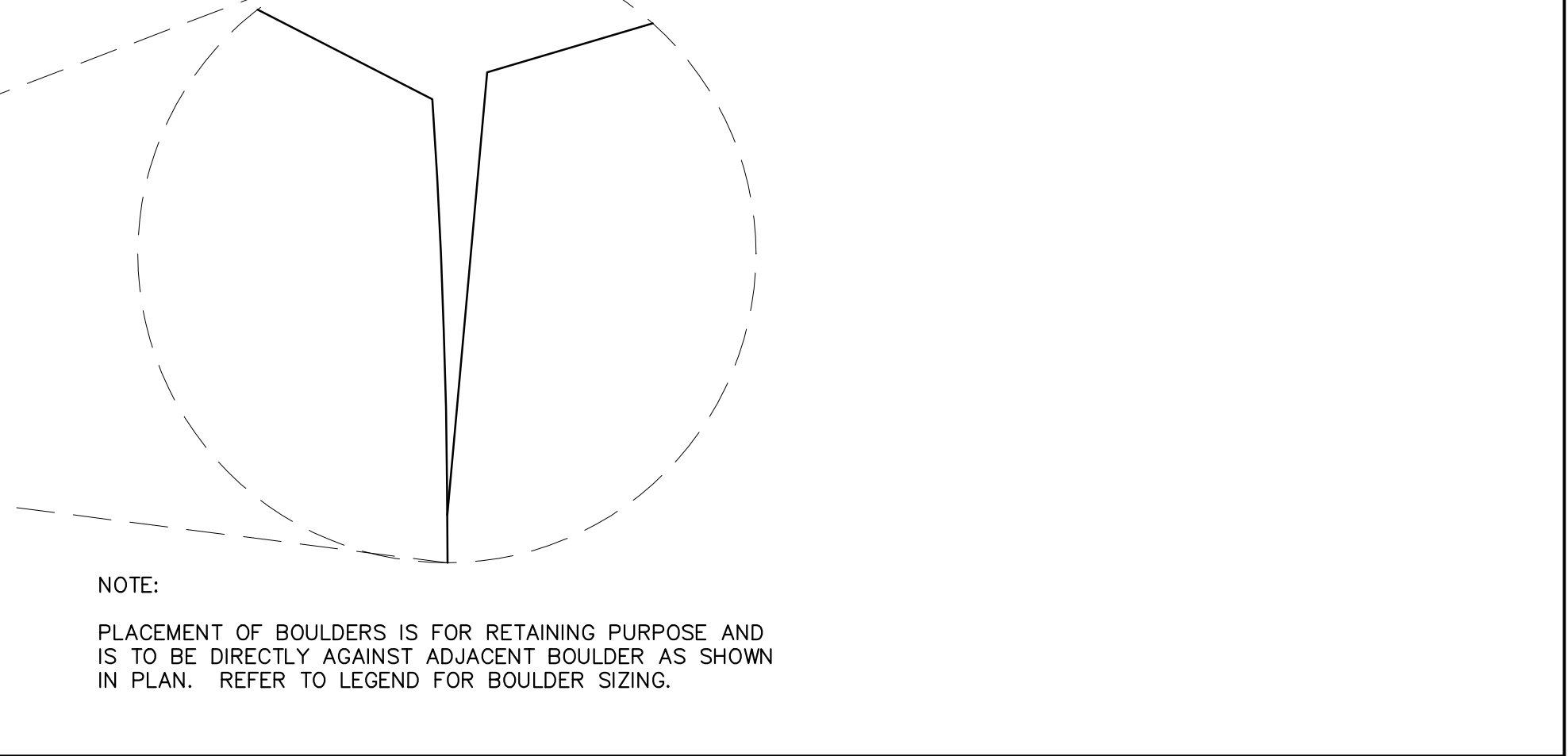
6 RAMP HANDRAIL 1" = 1'-0"



6. RAMP HANDRAIL 1" = 1'-0"



BOULDER TYPE KEY 1" = 10'-0"



7 BOULDER TYPE 7 - RETAINING W/ SEAT BACK 1" = 1'-0"

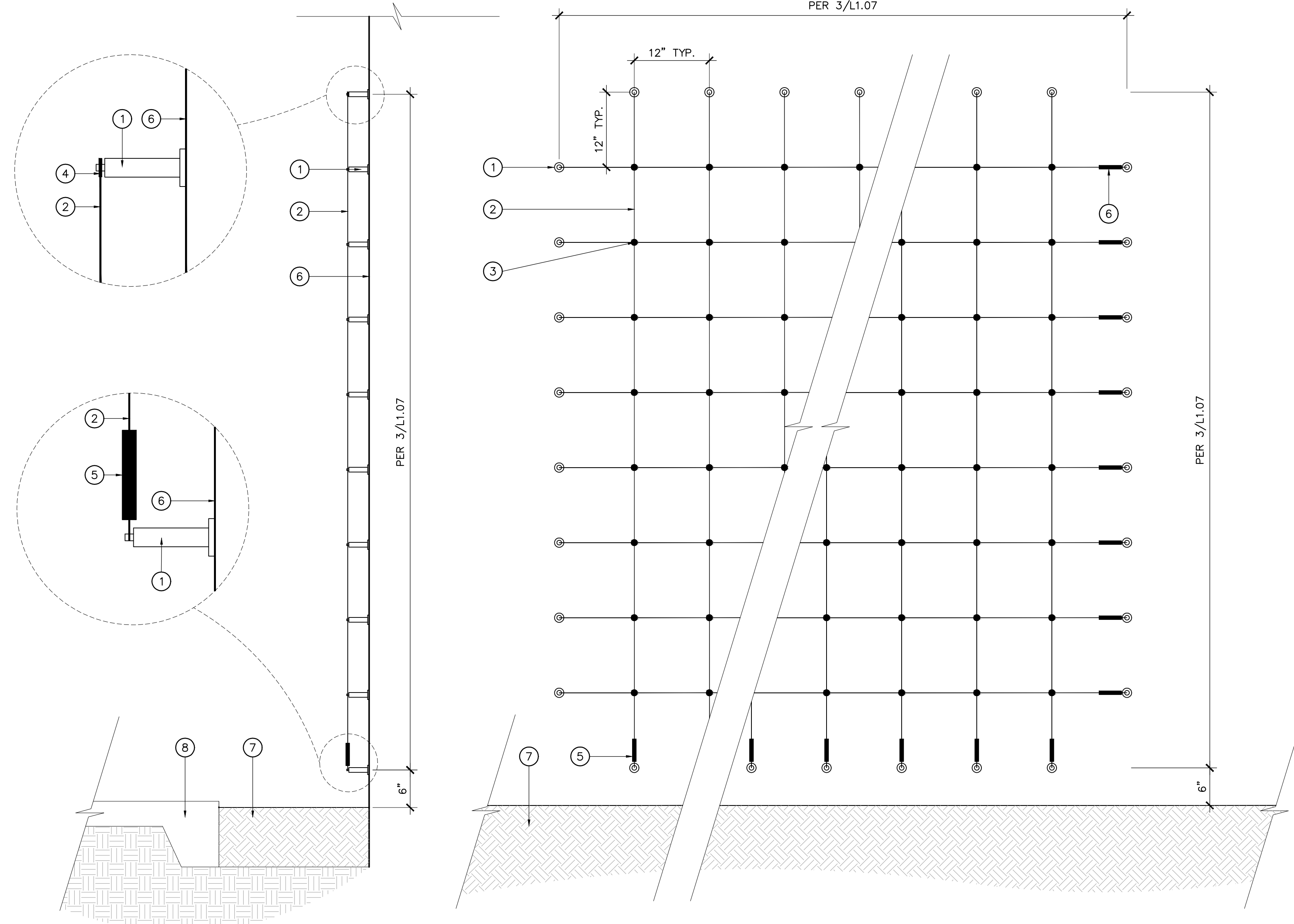
- 1 SMOOTH TROWEL FACE
- 2 WARNING GROOVES 1/4" DEEP X 1/4" WIDE WITH 4 GROOVES 2" TOTAL WIDTH. STAIN RED COLOR PER SPECIFICATIONS
- 3 REINFORCEMENT PER STRUCTURAL ENGINEER
- 4 COMPACTED GRADE PER GEOTECHNICAL REPORT
- 5 DEEP POUR EDGES (TYP.)
- 6 EXPANSION JOINT (1/L1.03) (SIMILAR)
- 7 DEEP POUR PAVING FOR RAIL FOOTING
- 8 CORE DRILL AND SET W/ POR-ROK
- 9 REUSE EXISTING HANDRAIL AND POSTS; REPAINT PER LEGEND
- 10 RISERS PER CIVIL
- 11 CHECK WALL BEYOND, SOME AREAS
- 12 # 3 CONT. 2" CLR TYP. AT NOSING
- 13 1/4" STEEL ANTI-SKATE DISK WELD TO FRONT SIDE OF STEEL PLATE

- NOTE:
1. SEE CIVIL DRAWINGS FOR SLOPES AND GRADES
 2. ANGLE NO LESS THAN 60 DEG. IS FROM THE HORIZONTAL OR RISERS SHALL BE SLOPED
 3. NOSING SHALL NOT PROJECT MORE THAN 1 1/2" PAST THE RISER BELOW. SEC. 1133B.4.5.2
 4. HANDRAILS AT STAIRS ARE EXISTING AND TO BE REUSED AND RELOCATED PER PLAN
 5. HANDRAILS AT RAMP ARE NEW
 6. REFER TO STRUCTURAL FOR FOOTING AND REINFORCEMENT REQUIREMENTS

- 1 1-1/2" O.D. ROUND STAINLESS STEEL HANDRAIL
- 2 1-1/2" O.D. ROUND STAINLESS STEEL POST
- 3 WELD ALL AROUND, GRIND SMOOTH, 8" RADIUS AT JOINT
- 4 CONCRETE PAVING
- 5 1/8" THICK STAINLESS STEEL 4-1/4" DIA. ESCUTCHEON SEALANT PER SPECS
- 6 GROUT, NON-METALLIC, NON SHRINK
- 7 4" DIA. BLOCKOUT IN CONCRETE TO RECEIVE SUPPORT
- 8 1/2 DIA. BAR EACH SIDE
- 9 P.I.P. CONCRETE RAMP REFER TO PLANS FOR COLOR AND FINISH
- 10 #5 @ 12" O.C. BOTH WAYS, 3" CLEAR
- 11 COMPACTED SUBGRADE PER PROJECT GEOTECHNICAL REPORT
- 12 ADJACENT PAVING REFER TO HARDSCAPE PLAN
- 13 HANDRAIL
- 14 DEEP POUR PAVING FOR POST FOOTINGS
- 15 EMBEDDED POST MOUNT REFER TO ENLARGEMENT
- 16 EXPANSION JOINT
- 17 INTERMEDIATE POST TO BE CENTERED ON RAMP - TYPICAL
- 18 SKATE DETERRENT, S.S. WELDED TO RAIL, GROUND SMOOTH, 3"-0" O.C. MAX EQUAL SPACING

CITY CLIENT

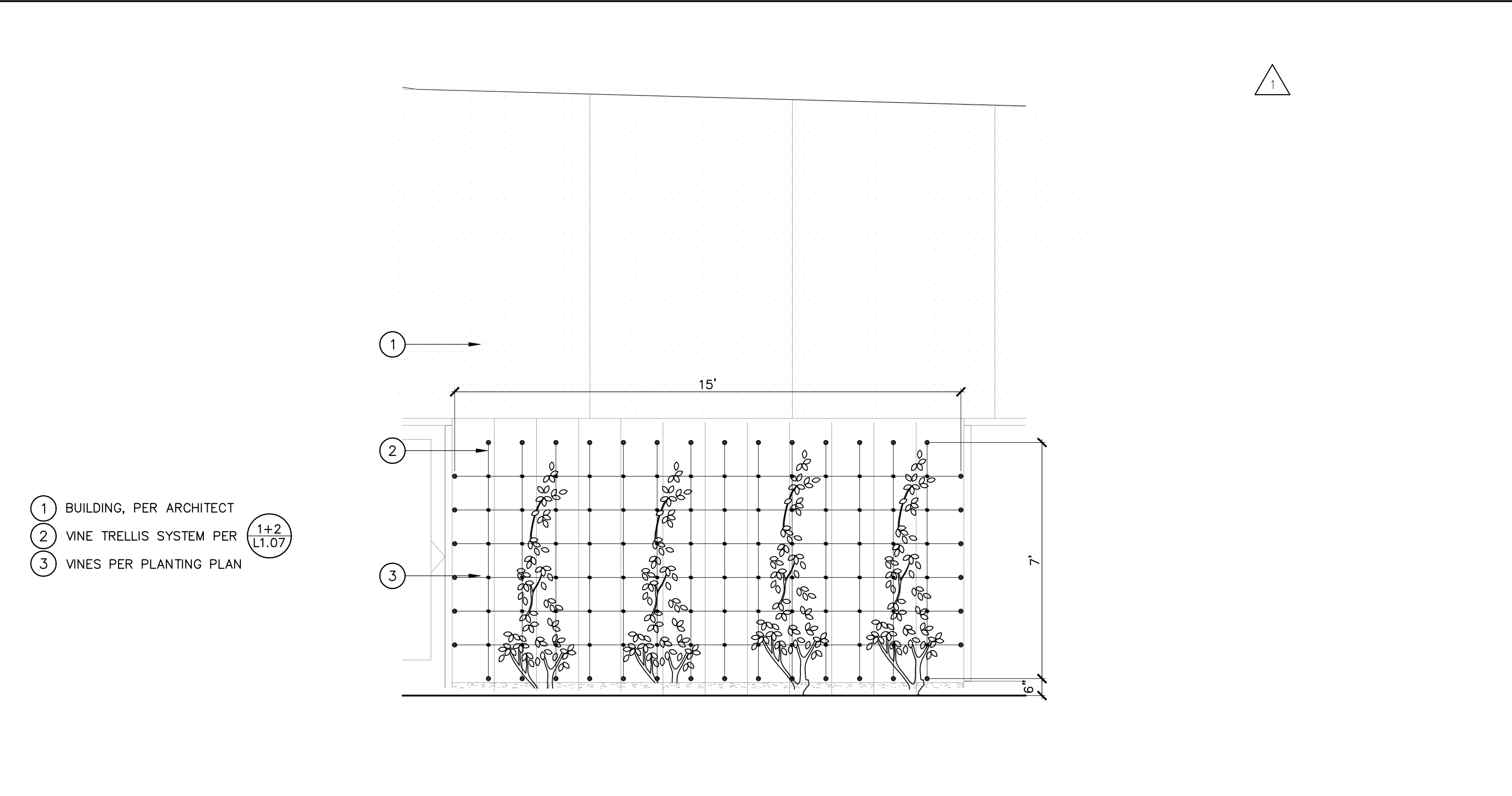
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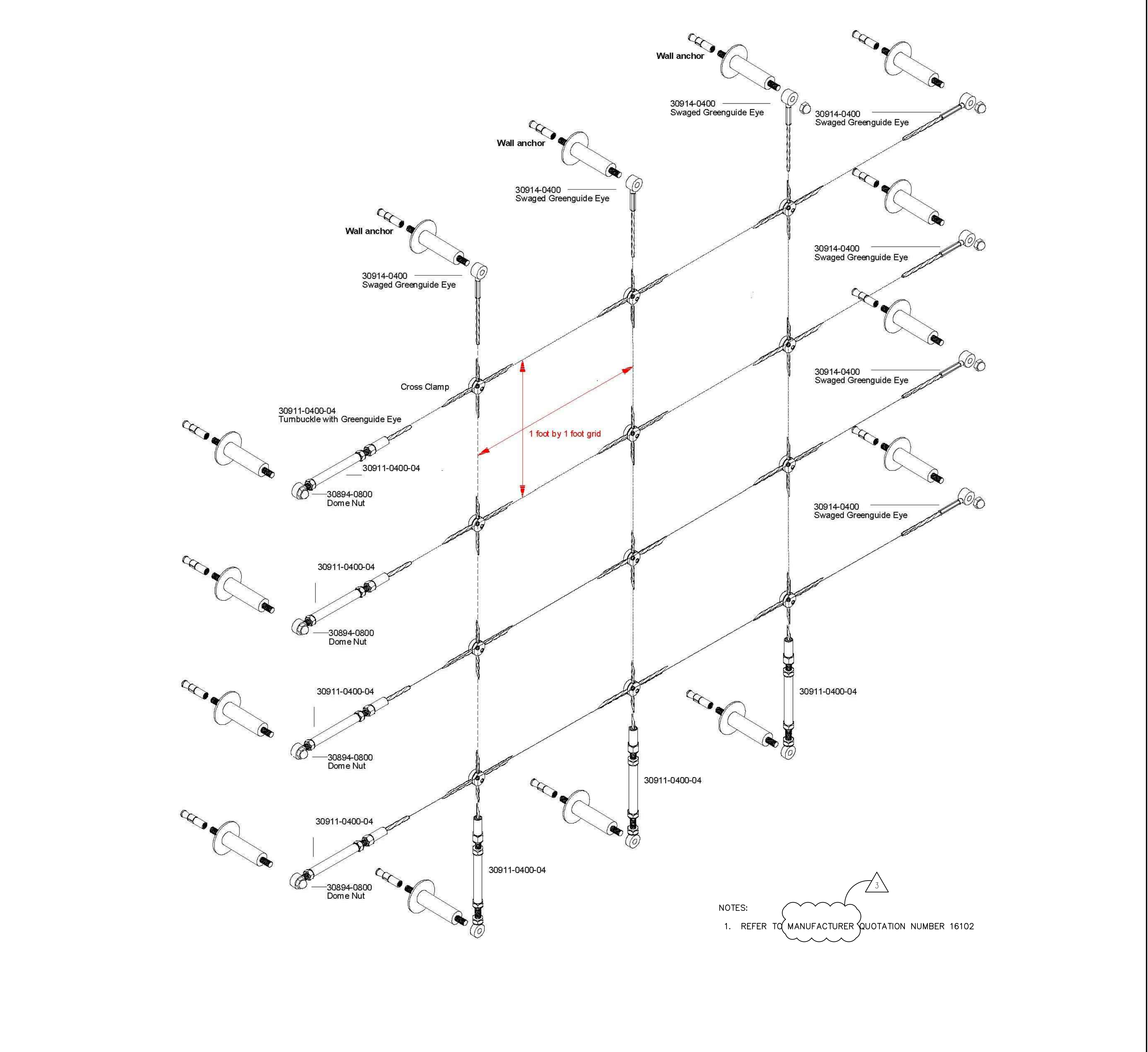
- SECTION**
- 1 3" STAINLESS STEEL SPACERS, MOUNTED TO WALL
 - 2 4.0 MM STAINLESS STEEL ROPE, TENSION PER MANUFACTURER SPECIFICATIONS
 - 3 90 DEGREE CROSS CLAMPS
 - 4 STAINLESS STEEL "GREENGUIDE" EYES
 - 5 STAINLESS STEEL TURNBUCKLE
 - 6 BUILDING WALL, PER ARCHITECT
 - 7 ADJACENT PLANTING AREA WITH AMENDED SOIL, PER HARDSCAPE PLAN
 - 8 ADJACENT CONCRETE PAVING, PER HARDSCAPE PLAN

- ELEVATION**
- NOTES:
1. INSTALL PER MANUFACTURER'S DIRECTIONS
 2. REFER TO ARCHITECTURAL FOR BUILDING ATTACHMENT DETAIL

1 CABLE VINE TRELLIS 1" = 1'-0"



3 CABLE VINE TRELLIS ELEVATIONS 3/8" = 1'-0"



- NOTES:
1. REFER TO MANUFACTURER QUOTATION NUMBER 16102

2 CABLE VINE TRELLIS COMPONENTS N.T.S.

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Santa Monica, CA 90404

PROJECT
KoningEisenbergArchitecture
1454 25th St, Santa Monica, CA 90404
310.828.6131 info@search.com
310.828.0719 fax www.search.com

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SPURLOCK POIRIER
LANDSCAPE ARCHITECTS

257 Hancock Street
San Diego, CA 92101
619.581.0290
619.581.0296 fax

LICENSED LANDSCAPE ARCHITECT
MIRIAM SPURLOCK
Signature: 07/31/12
Renewed: Date
Date

CONSULTANT
City of Santa Monica Architecture Services

1437 4TH STREET, SUITE 300
SANTA MONICA, CA 90401
TEL. (310) 453-2205
FAX. (310) 399-1541
architecture@smgov.net

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MIRIAM MULDER, Architecture Services Manager

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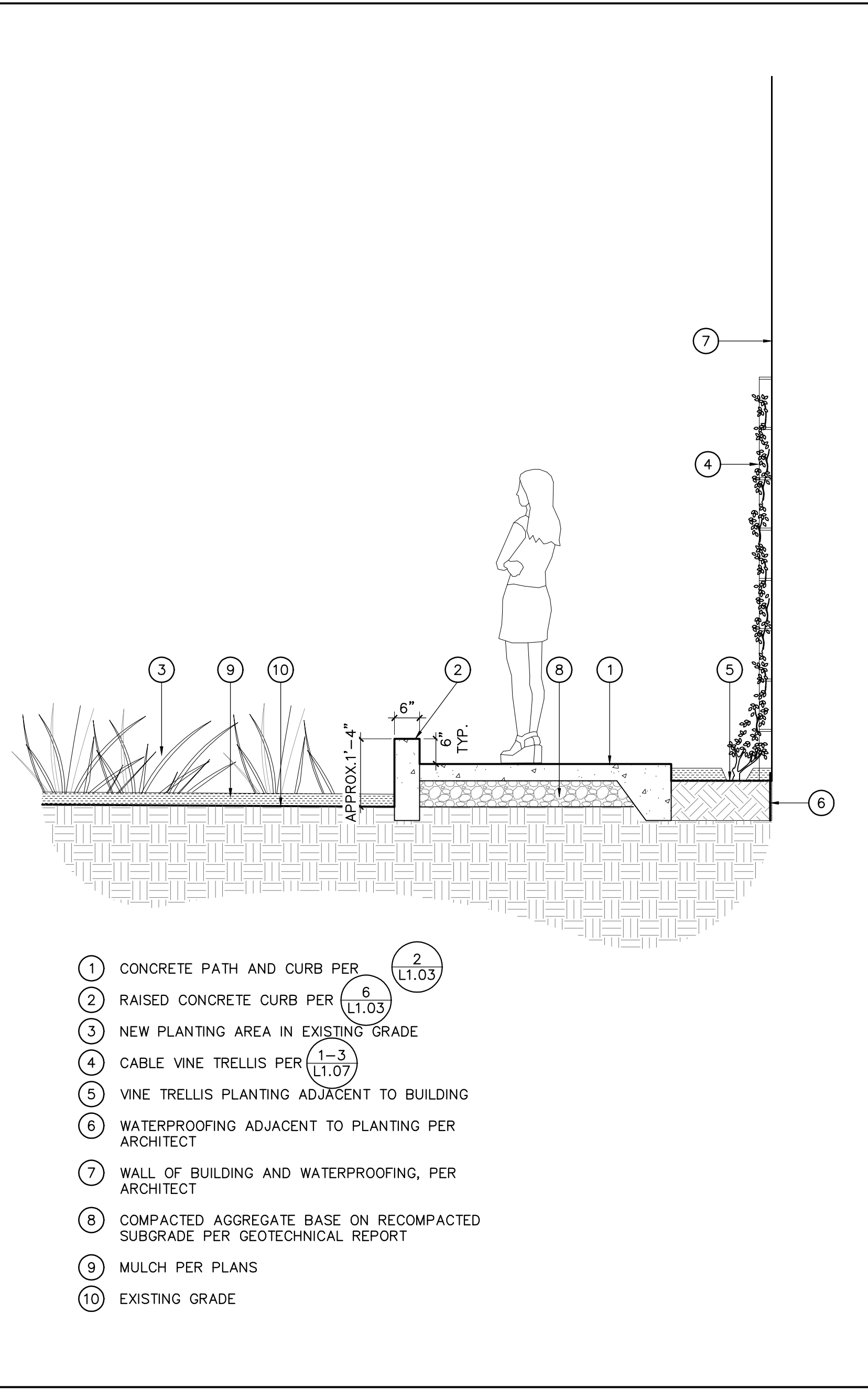
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1	07/16/12		BULLETIN 1
2	06/21/12		PLAN CHECK 2
3	05/07/12		PLAN CHECK 1
4	03/06/12		ADDENDUM 3
5	02/21/12		ADDENDUM 2

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DATE: 07/16/2012
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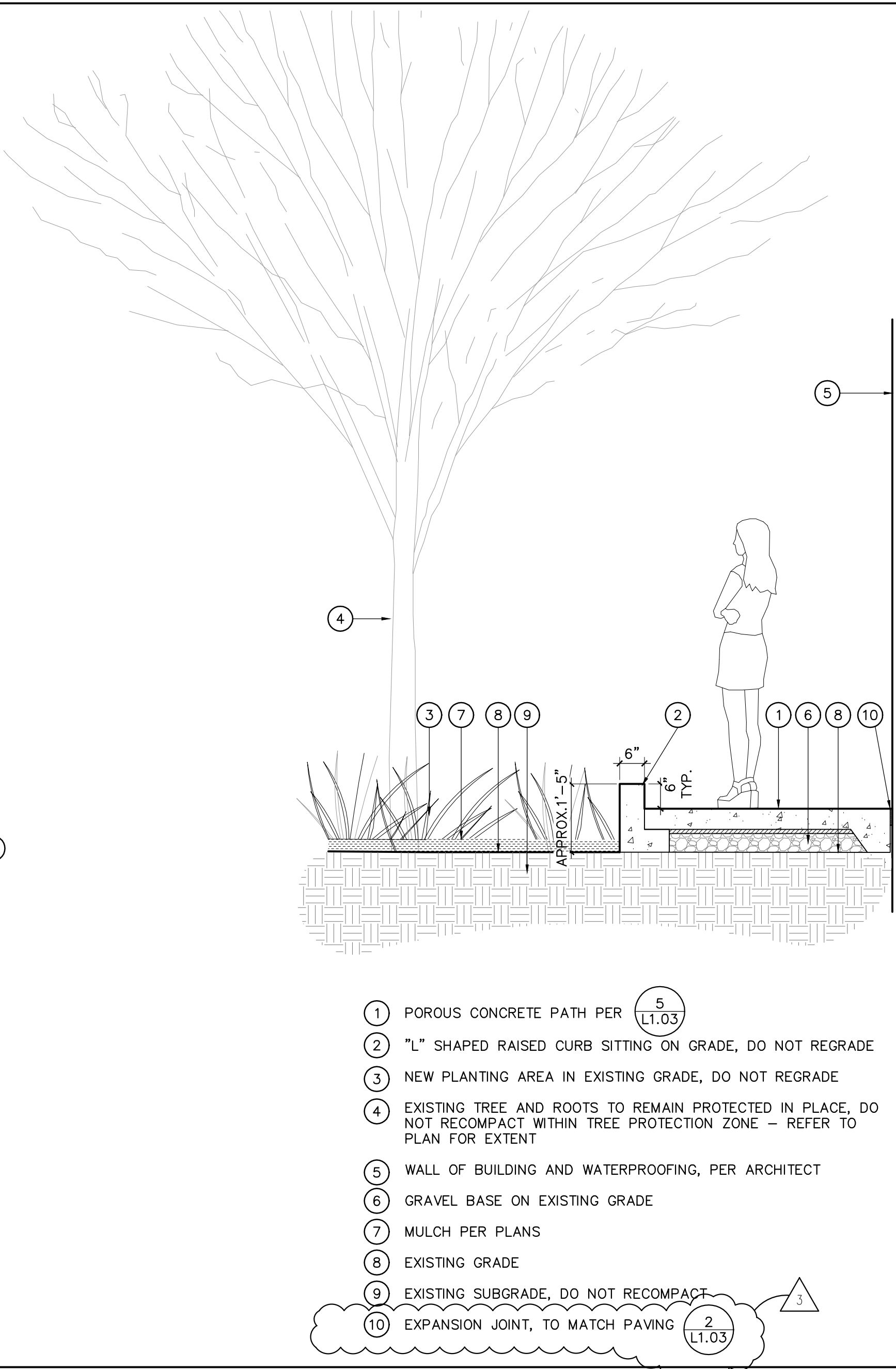
SHEET TITLE
ELEVATIONS

SHEET NO.
L1.07



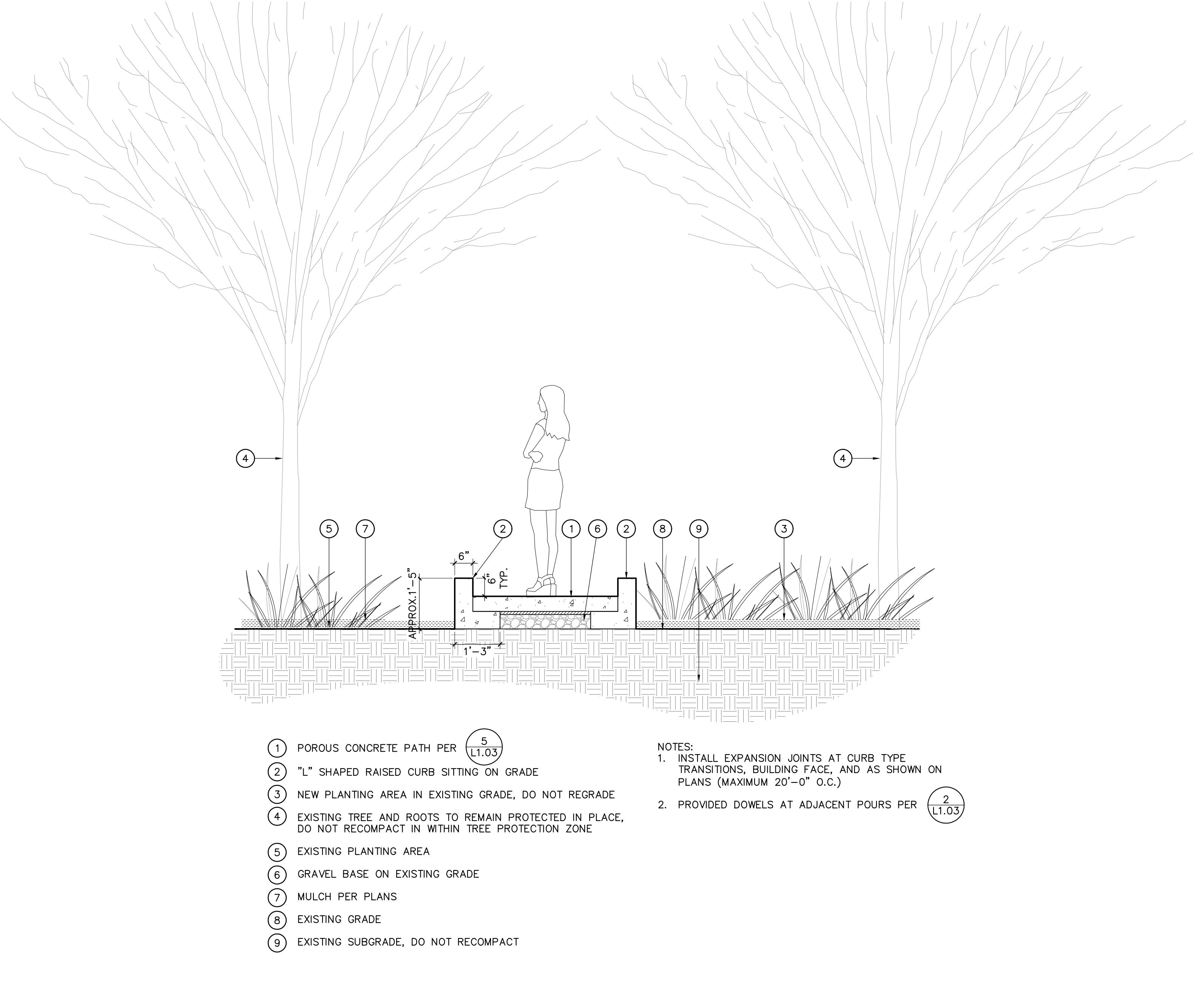
- 1 CONCRETE PATH AND CURB PER (2) (LT.03)
- 2 RAISED CONCRETE CURB PER (6) (LT.03)
- 3 NEW PLANTING AREA IN EXISTING GRADE
- 4 CABLE VINE TRELLIS PER (1-3) (LT.07)
- 5 VINE TRELLIS PLANTING ADJACENT TO BUILDING
- 6 WATERPROOFING ADJACENT TO PLANTING PER ARCHITECT
- 7 WALL OF BUILDING AND WATERPROOFING, PER ARCHITECT
- 8 COMPACTED AGGREGATE BASE ON RECOMPACTED SUBGRADE PER GEOTECHNICAL REPORT
- 9 MULCH PER PLANS
- 10 EXISTING GRADE

1 SECTION A-A' 1/2" = 1'-0"



- 1 POROUS CONCRETE PATH PER (5) (LT.03)
- 2 "L" SHAPED RAISED CURB SITTING ON GRADE, DO NOT REGRADE
- 3 NEW PLANTING AREA IN EXISTING GRADE, DO NOT REGRADE
- 4 EXISTING TREE AND ROOTS TO REMAIN PROTECTED IN PLACE, DO NOT RECOMPACT WITHIN TREE PROTECTION ZONE - REFER TO PLAN FOR EXTENT
- 5 WALL OF BUILDING AND WATERPROOFING, PER ARCHITECT
- 6 GRAVEL BASE ON EXISTING GRADE
- 7 MULCH PER PLANS
- 8 EXISTING GRADE
- 9 EXISTING SUBGRADE, DO NOT RECOMPACT
- 10 EXPANSION JOINT, TO MATCH PAVING (2) (LT.03)

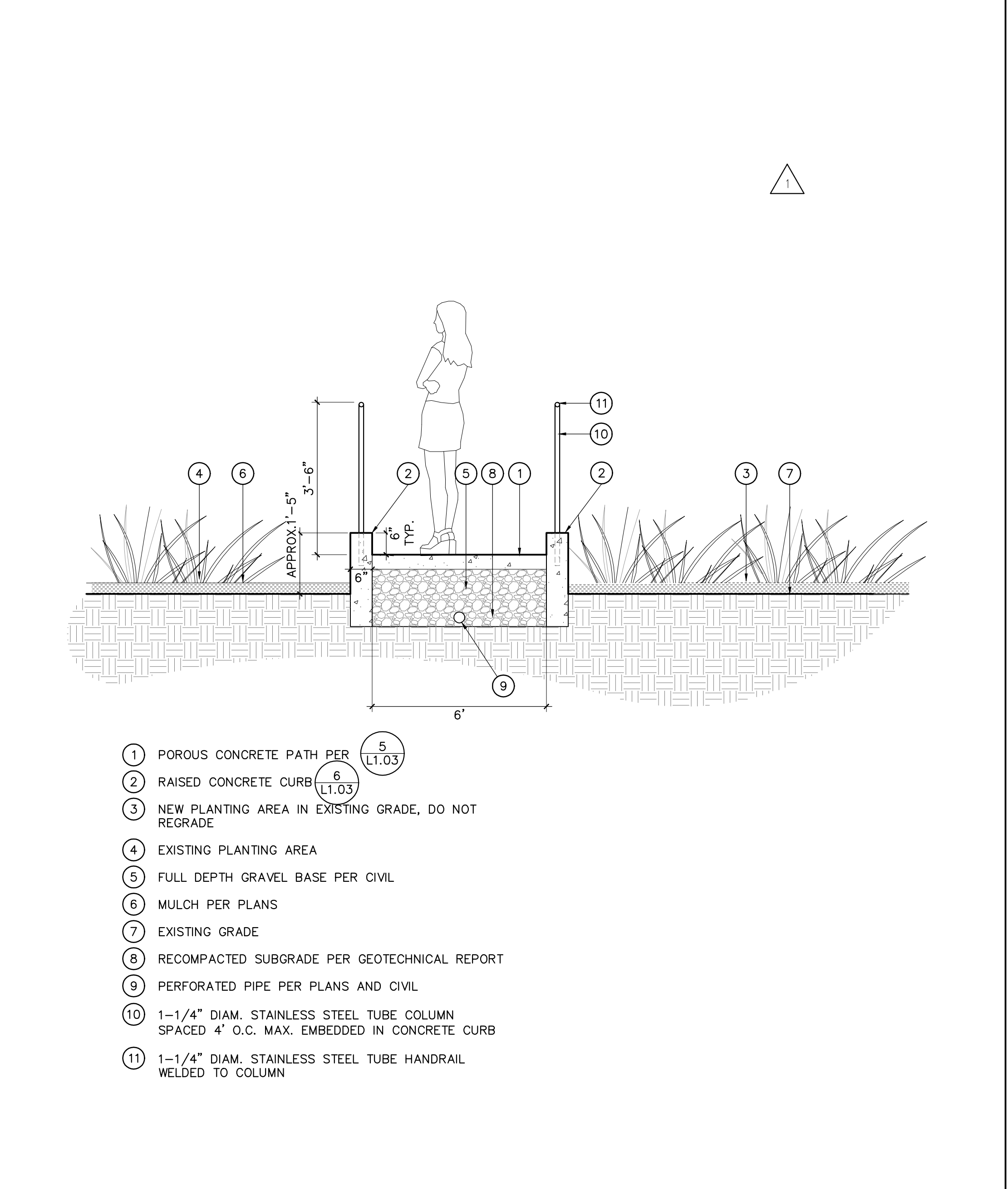
2 SECTION B-B' 1/2" = 1'-0"



- 1 POROUS CONCRETE PATH PER (5) (LT.03)
- 2 "L" SHAPED RAISED CURB SITTING ON GRADE
- 3 NEW PLANTING AREA IN EXISTING GRADE, DO NOT REGRADE
- 4 EXISTING TREE AND ROOTS TO REMAIN PROTECTED IN PLACE, DO NOT RECOMPACT IN WITHIN TREE PROTECTION ZONE
- 5 EXISTING PLANTING AREA
- 6 GRAVEL BASE ON EXISTING GRADE
- 7 MULCH PER PLANS
- 8 EXISTING GRADE
- 9 EXISTING SUBGRADE, DO NOT RECOMPACT

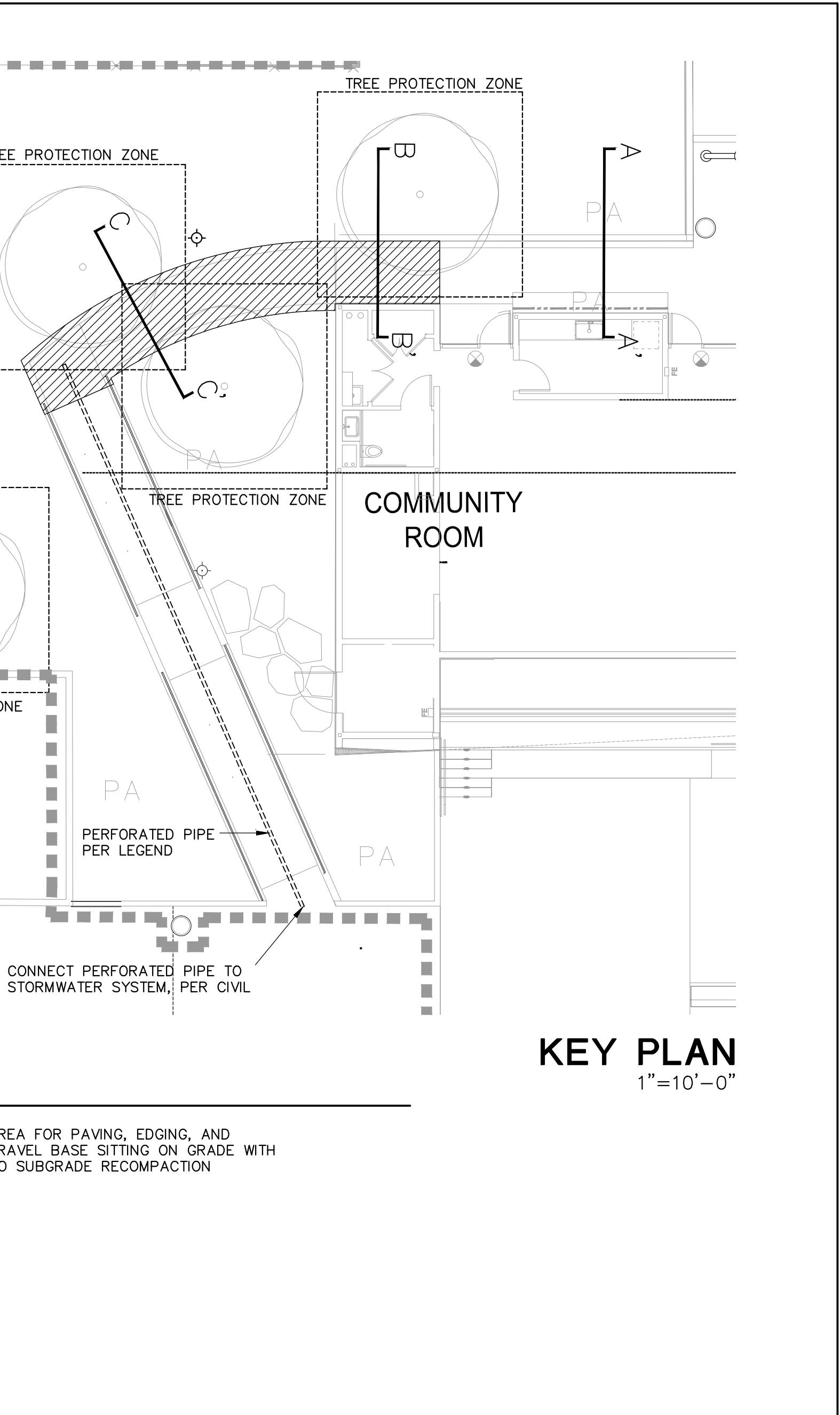
NOTES:
 1. INSTALL EXPANSION JOINTS AT CURB TYPE TRANSITIONS, BUILDING FACE, AND AS SHOWN ON PLANS (MAXIMUM 20'-0" O.C.)
 2. PROVIDED DOWELS AT ADJACENT POURS PER (2) (LT.03)

3 SECTION C-C' 1/2" = 1'-0"



- 1 POROUS CONCRETE PATH PER (5) (LT.03)
- 2 RAISED CONCRETE CURB (6) (LT.03)
- 3 NEW PLANTING AREA IN EXISTING GRADE, DO NOT REGRADE
- 4 EXISTING PLANTING AREA
- 5 FULL DEPTH GRAVEL BASE PER CIVIL
- 6 MULCH PER PLANS
- 7 EXISTING GRADE
- 8 RECOMPACTED SUBGRADE PER GEOTECHNICAL REPORT
- 9 PERFORATED PIPE PER PLANS AND CIVIL
- 10 1-1/4" DIAM. STAINLESS STEEL TUBE COLUMN SPACED 4" O.C. MAX. EMBEDDED IN CONCRETE CURB
- 11 1-1/4" DIAM. STAINLESS STEEL TUBE HANDRAIL WELDED TO COLUMN

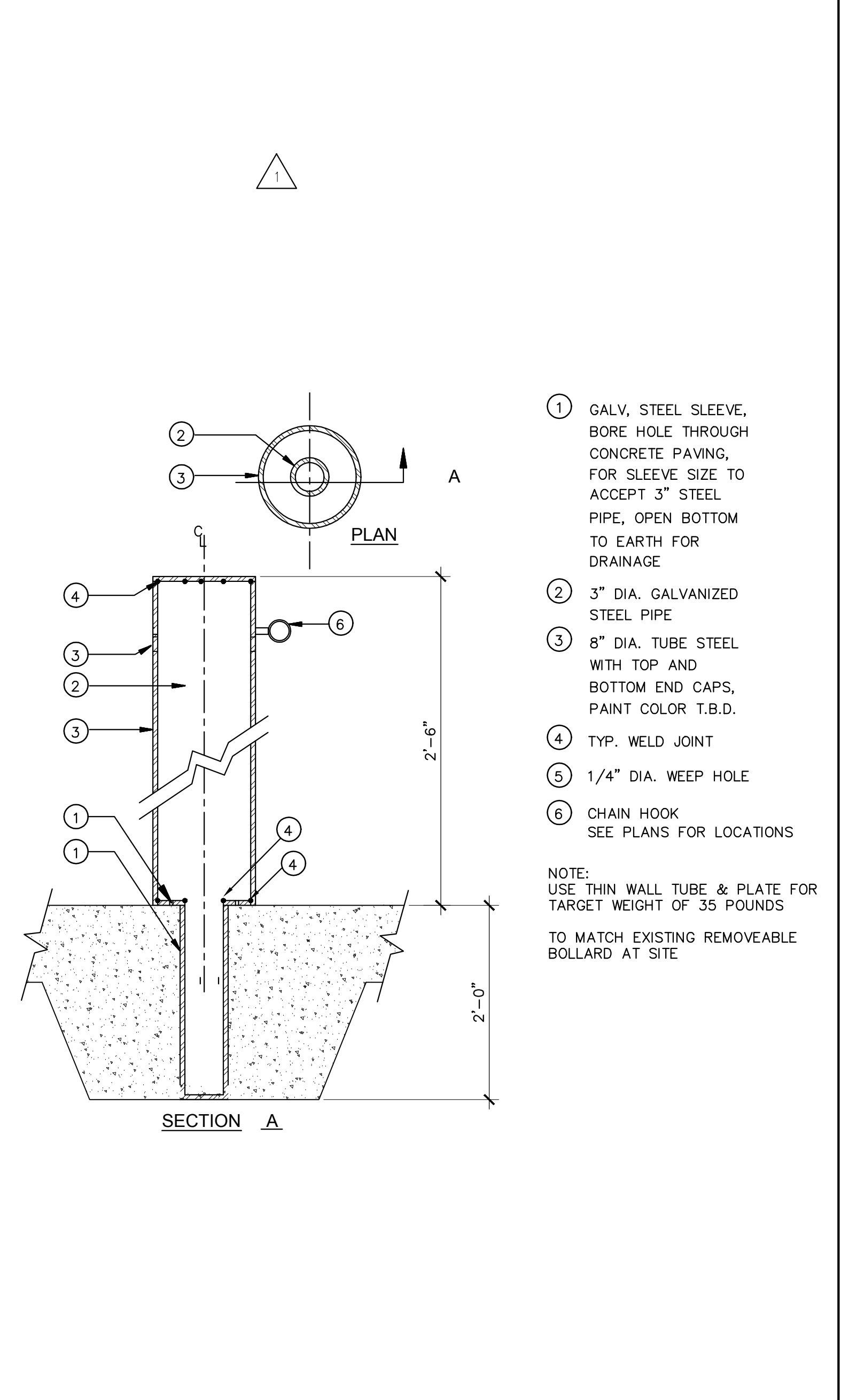
4 TYP. SECTION, OUTSIDE TREE PROTECTION ZONE 1/2" = 1'-0"



LEGEND

AREA FOR PAVING, EDGING, AND GRAVEL BASE SITTING ON GRADE WITH NO SUBGRADE RECOMPACTON

KEY PLAN 1"=10'-0"

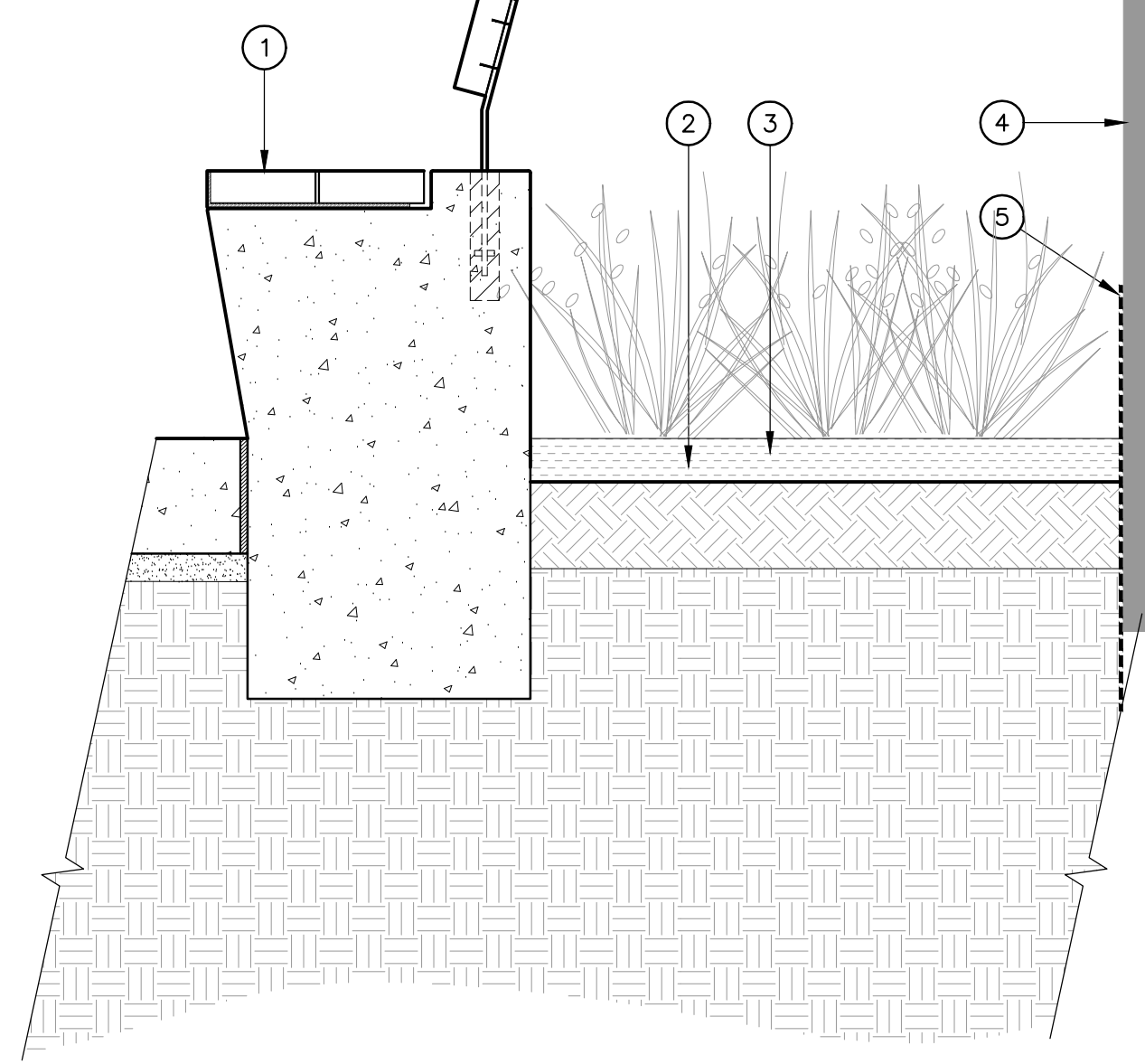


- 1 GALV. STEEL SLEEVE, BORE HOLE THROUGH CONCRETE PAVING, FOR SLEEVE SIZE TO ACCEPT 3" STEEL PIPE, OPEN BOTTOM TO EARTH FOR DRAINAGE
- 2 3" DIA. GALVANIZED STEEL PIPE
- 3 8" DIA. TUBE STEEL WITH TOP AND BOTTOM END CAPS, PAINT COLOR T.B.D.
- 4 TYP. WELD JOINT
- 5 1/4" DIA. WEEP HOLE
- 6 CHAIN HOOK. SEE PLANS FOR LOCATIONS

NOTE:
 USE THIN WALL TUBE & PLATE FOR TARGET WEIGHT OF 35 POUNDS
 TO MATCH EXISTING REMOVABLE BOLLARD AT SITE

5 REMOVABLE BOLLARD 1 1/2" = 1'-0"

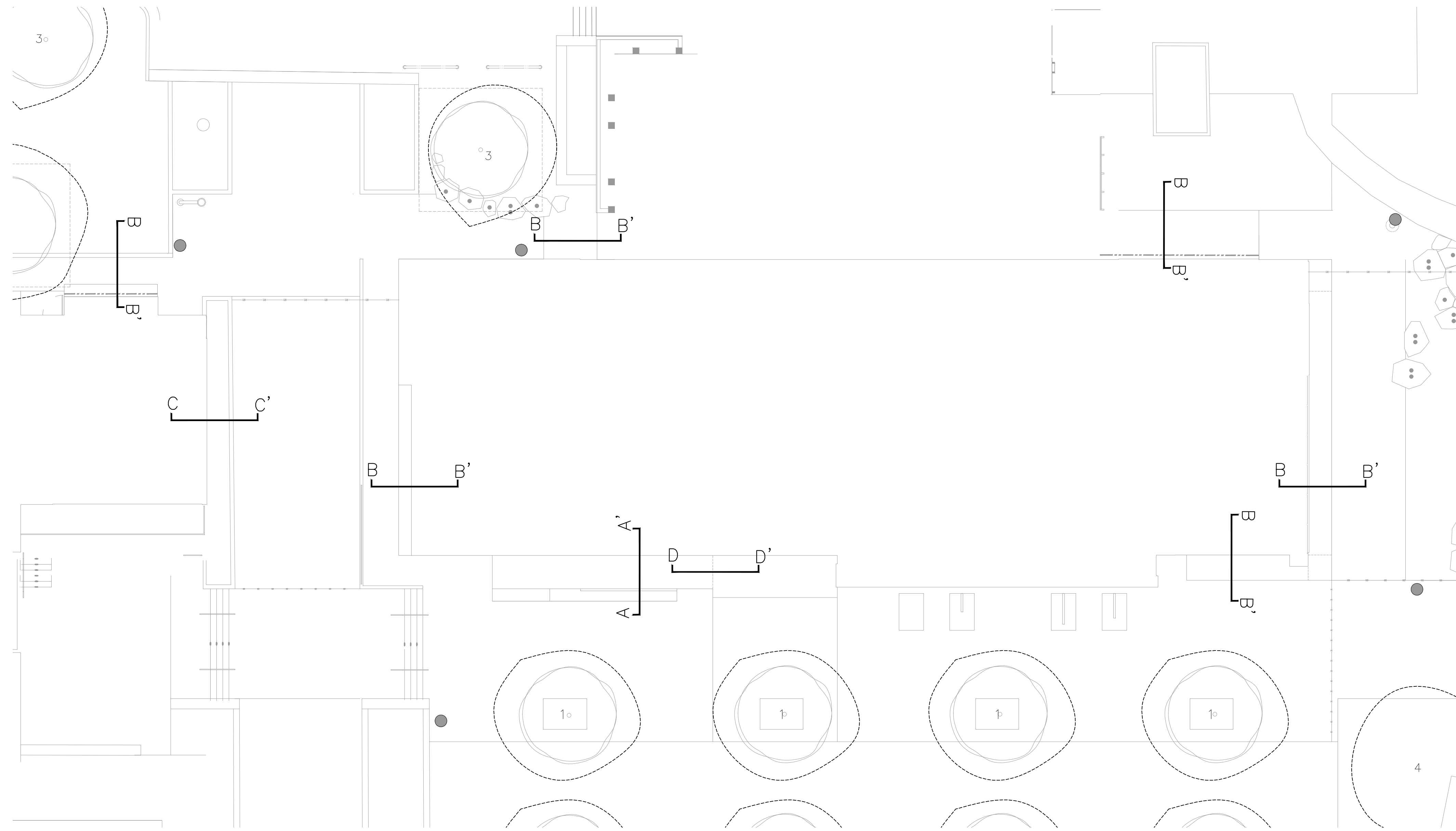
- 1 SEAT WALL WITH WOOD BENCH TYPE 2
- 2 FINISH GRADE OF ADJACENT PLANTING AREA
- 3 MULCH LAYER
- 4 WALL OF BUILDING PER ARCHITECT
- 5 BUILDING WALL WATERPROOFING PER ARCHITECT



SECTION

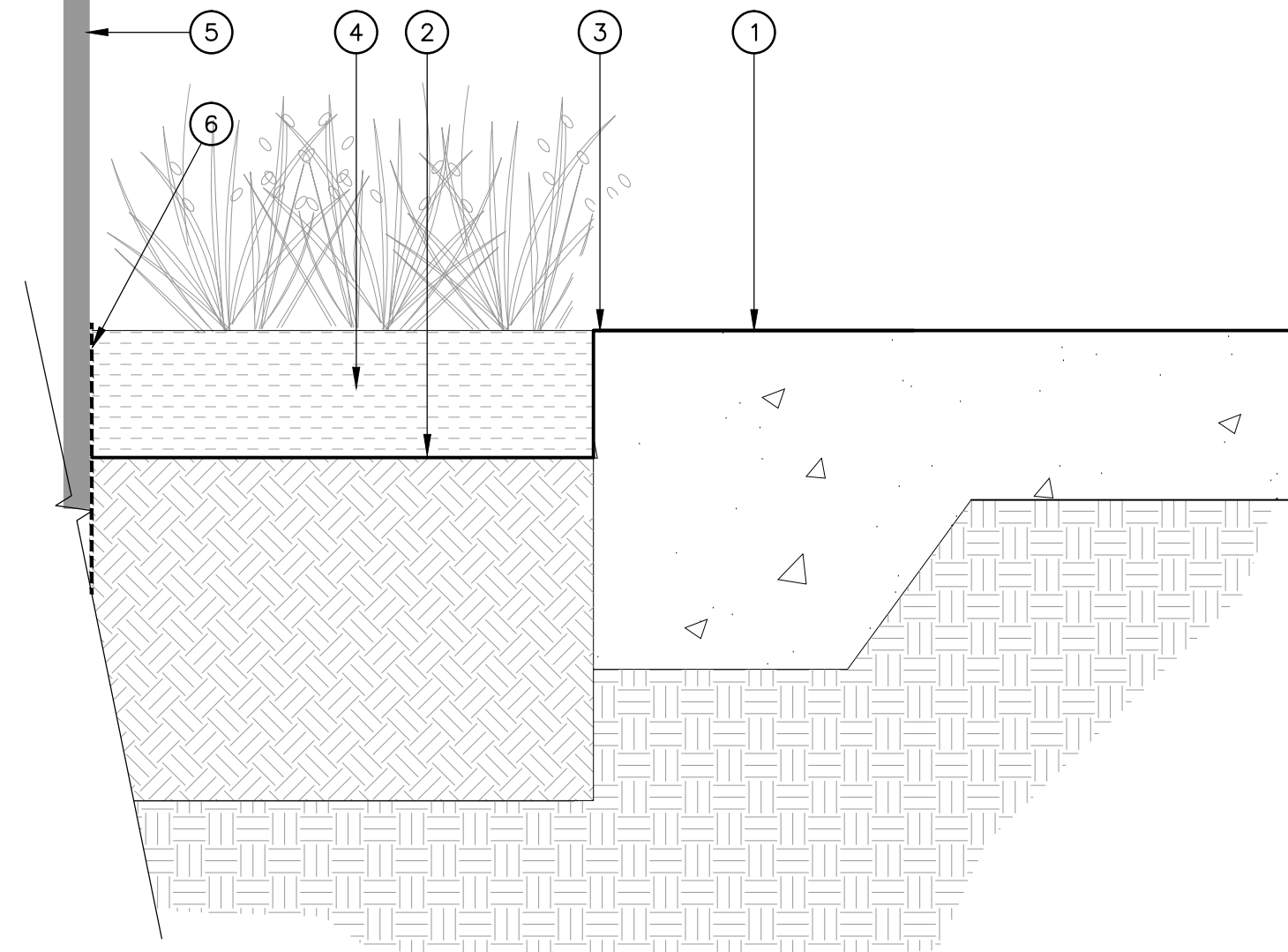
1 SECTION A-A'

1" = 1'-0"



KEY PLAN
3/32"=1"

- 1 CONCRETE DEPEND EDGE
- 2 FINISH GRADE IN PLANTING AREA
- 3 STEEL EDGER, REFER TO HARDSCAPE PLAN AND LEGEND
- 4 MULCH LAYER
- 5 WALL OF BUILDING PER ARCHITECT
- 6 BUILDING WALL WATERPROOFING PER ARCHITECT

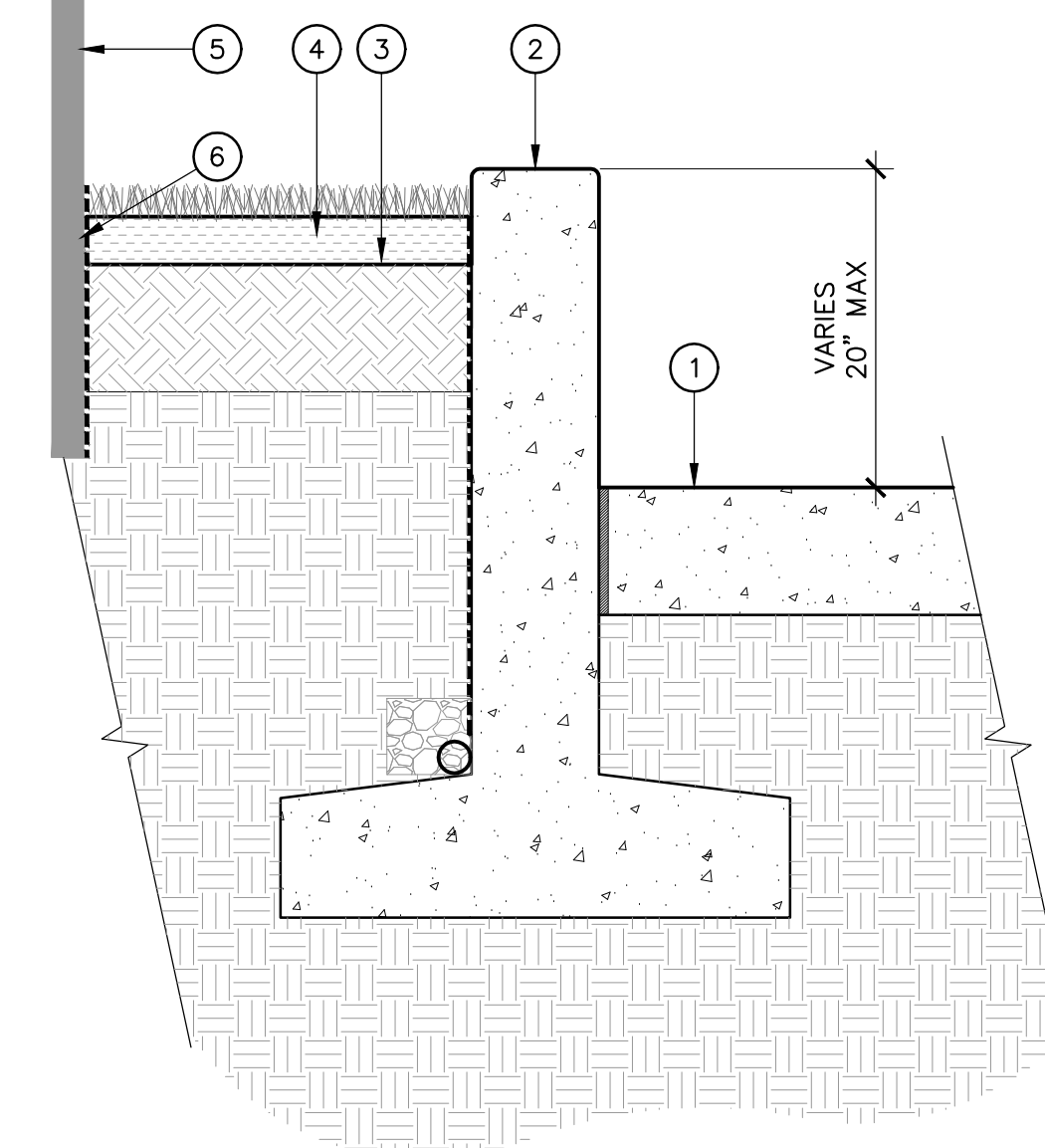


SECTION

2 SECTION B-B'

1" = 1'-0"

- 1 ADJACENT FINISH SURFACE, PER HARDSCAPE PLAN
- 2 CONCRETE PLANTER WALL
- 3 FINISH GRADE OF ADJACENT PLANTING AREA
- 4 MULCH LAYER
- 5 WALL OF BUILDING PER ARCHITECT
- 6 BUILDING WALL WATERPROOFING PER ARCHITECT

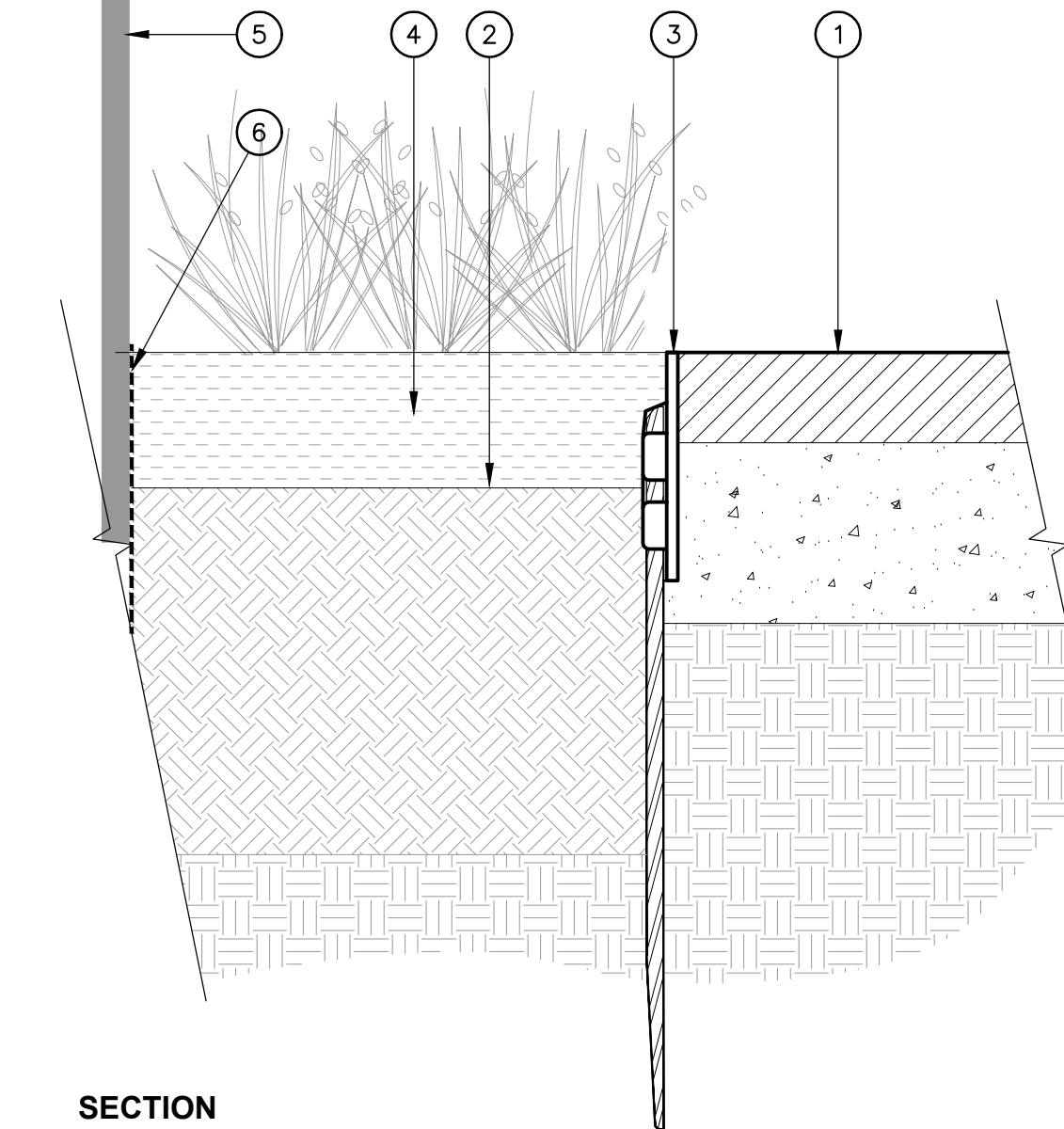


SECTION

3 SECTION C-C'

1" = 1'-0"

- 1 WALK ON MAT, PER ARCHITECT
- 2 FINISH GRADE IN PLANTING AREA
- 3 STEEL EDGER, REFER TO HARDSCAPE PLAN AND LEGEND
- 4 MULCH LAYER
- 5 WALL OF BUILDING PER ARCHITECT
- 6 BUILDING WALL WATERPROOFING PER ARCHITECT



SECTION

4 SECTION D-D'

1" = 1'-0"

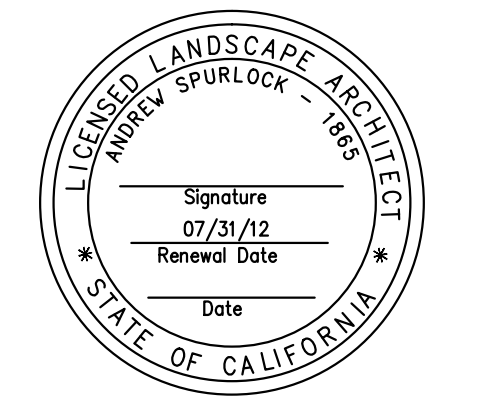
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SPURLOCK POIRIER
Landscape Architects

257 Hancock Street
San Diego, CA 92101
619.581.0590
619.581.0596 fax



CONSULTANT



1437 4TH STREET, SUITE 300
SANTA MONICA, CA 90401
TEL. (310) 458-2205
FAX. (310) 399-1541
architecture@smgov.net

SUBMITTED BY: _____ DATE: ____/____/20__

APPROVED BY: _____ DATE: ____/____/20__

Miriam Mulder,
Architecture Services Manager
CITY OF SANTA MONICA
DEPARTMENT OF PUBLIC WORKS

REVIEWED BY: _____ DATE: ____/____/20__

REVIEWED BY: _____ DATE: ____/____/20__

REVIEWED BY: _____ DATE: ____/____/20__

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Δ	07/16/12		BULLETIN 1
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	05/07/12		PLAN CHECK 1
Δ	03/08/12		ADDENDUM 3
Δ	02/21/12		ADDENDUM 2
			REVISIONS

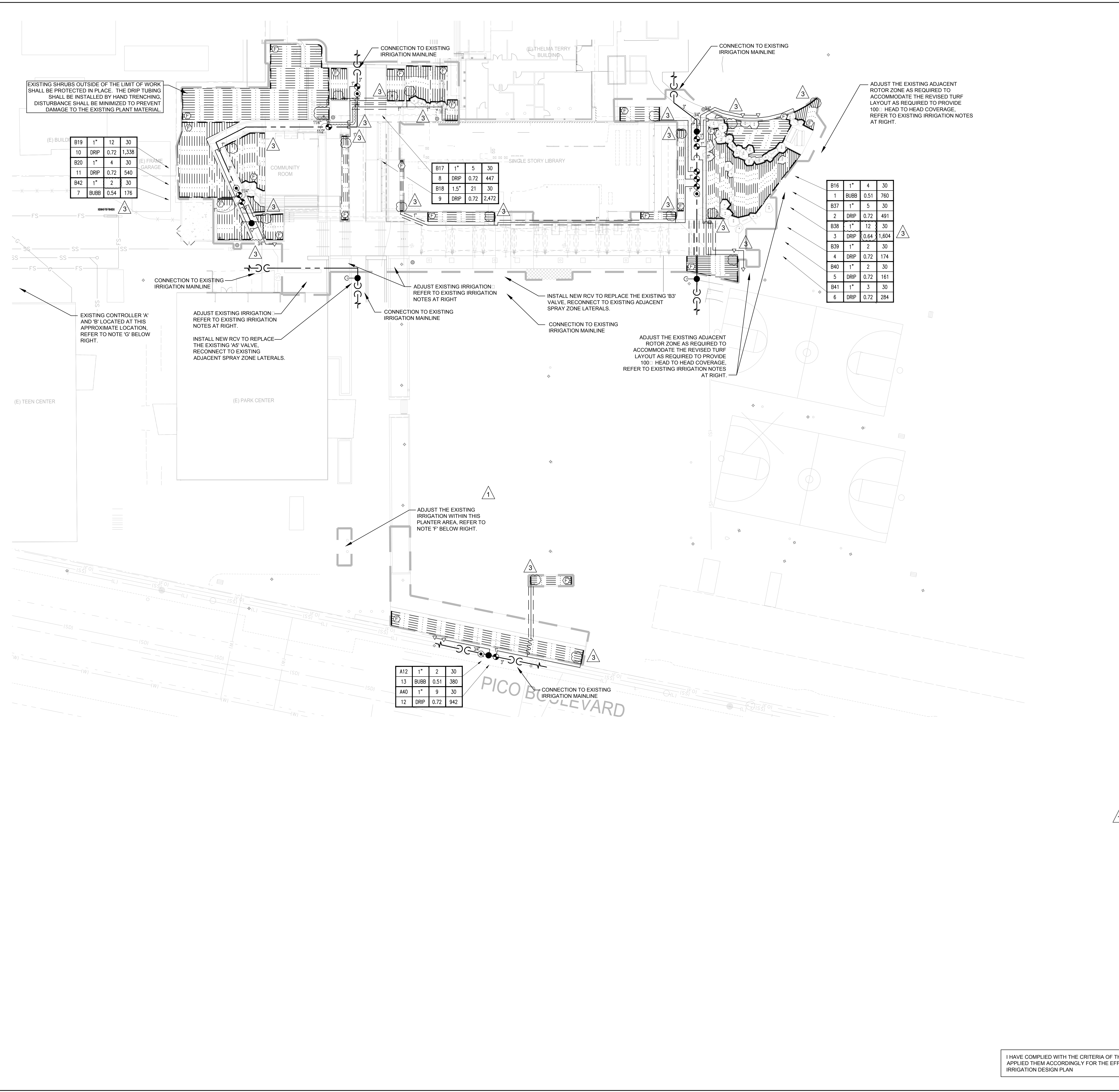
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DATE: 07/16/2012
DRAWING NO. **6693**

SHEET TITLE
SECTIONS

SHEET NO.
L1.09

SHEET NO. 69
DRAWING NO. 6693
TITLE OF PROJECT: PICO BRANCH LIBRARY



EXISTING IRRIGATION NOTES

- NOTE 1: CONTRACTOR SHALL MAINTAIN EXISTING MAINLINES IN WORKING ORDER. COORDINATE ALL INTERRUPTIONS OF OPERATION OF THE EXISTING IRRIGATION TO A MINIMUM. COORDINATE ALL INTERRUPTIONS WITH THE OWNER'S REPRESENTATIVE.
- NOTE 2: CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXISTING IRRIGATION EQUIPMENT DAMAGED DURING CONSTRUCTION AND IF DAMAGED, SHALL REPLACE WITH SAME MANUFACTURER AND MODEL.
- NOTE 3: ANY EXISTING IRRIGATION CONTROL VALVES CONNECTED TO EXISTING CONTROLLER SHALL BE RECONNECTED TO EXISTING CONTROLLER. CONFIRM PROPER CONTROLLER OPERATION AND INSTALLATION WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO COMMENCING WORK AND UPON COMPLETION OF WORK.
- NOTE 4: CONTRACTOR SHALL CONFIRM THE EXISTING CONTROLLER MAKE AND MODEL AND SHALL CONFIRM THAT SAID CONTROLLER HAS ADEQUATE OPEN STATIONS TO OPERATE ANY ADJUSTED AND ALL PROPOSED IRRIGATION SYSTEM MODIFICATIONS. NOTIFY OWNER'S AUTHORIZED REPRESENTATIVE SHOULD ANY DISCREPANCIES BE NOTED.
- NOTE 5: CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR/MODIFICATION/ROUTING OF ALL ADJACENT IRRIGATION SYSTEM EQUIPMENT THAT IS AFFECTED BY NEW CONSTRUCTION IMPROVEMENTS. CONTRACTOR SHALL REPAIR SAID SYSTEMS TO A LIKE NEW MANNER, PROVIDING NO LESS THAN 100' OF HEAD RADIUS COVERAGE IN ALL AREAS WITH SYSTEM LAYOUT AS APPROVED BY OWNER'S AUTHORIZED REPRESENTATIVE. CONTRACTOR SHALL CONFIRM ALL AREAS REQUIRING MODIFICATION WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO BIDDING WORK AND PRIOR TO COMMENCING WORK.
- NOTE 6: CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE REMOVAL AND DISPOSAL OF ALL EXISTING IRRIGATION EQUIPMENT AFFECTED BY THE NEW CONSTRUCTION IMPROVEMENTS. IF NECESSARY, CONTRACTOR SHALL VERIFY ALL EQUIPMENT TO BE REMOVED AND DISPOSED OF IN FIELD PRIOR TO BIDDING WORK AND PRIOR TO COMMENCING WORK.
- NOTE 7: CONTRACTOR SHALL FIELD VERIFY DEPTH AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO BIDDING WORK AND AGAIN PRIOR TO COMMENCING WORK. VERIFICATION SHALL BE DOCUMENTED AND DELIVERED TO OWNER'S REPRESENTATIVE.
- NOTE 8: CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ALL SCH. 40 PVC SLEEPING UNDER PAVING, WALLS AND CURBS AT NO LESS THAN 24" BELOW GRADE AND NO LESS THAN 2X DIAMETER OF IRRIGATION PIPE IN AREAS WHERE PIPE CROSSING WILL OCCUR. WHEN PIPE SIZE IS NOT AVAILABLE USE 6" SLEEVING MATERIAL. CONFIRM CROSSINGS WITH OWNER'S REPRESENTATIVE PRIOR TO PAVING AND HARDSCAPE CONSTRUCTION.
- NOTE 9: EXISTING IRRIGATION IN THIS AREA SHALL BE PROTECTED IN PLACE FOR CONTINUED USE. CONTRACTOR SHALL VERIFY THE EXTENT OF THE EXISTING SYSTEM AND MAKE ADJUSTMENTS TO CAP OFF OR MODIFY THE EXISTING SYSTEM TO MEET THE NEW LANDSCAPE CONDITION IF NECESSARY.
- NOTE 10: CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING WITHIN THE DRIPLINE OF EXISTING TREES. NO MECHANICAL TRENCHING WITHIN THE DRIPLINE OF THE EXISTING TREE WILL BE ALLOWED. CONTRACTOR SHALL REFER TO ARBORIST REPORT FOR ADDITIONAL PRECAUTIONS REQUIRED FOR THE EXISTING TREES. VERIFY ALL LAYOUT IN FIELD WITH OWNER'S AUTHORIZED REPRESENTATIVE.
- NOTE 11: CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING BACKFLOW DEVICE AND TESTING FOR PROPER OPERATION. SHOULD BACKFLOW DEVICE BE INOPERABLE OR NOT IN PLACE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF SAID BACKFLOW DEVICE. CONFIRM ANY DISCREPANCIES WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO BIDDING WORK AND PRIOR TO COMMENCING WORK.
- NOTE 12: CONTRACTOR SHALL ADD CHECK VALVES AS NECESSARY TO PREVENT LOW HEAD DRAINAGE.

PROPOSED IRRIGATION NOTES

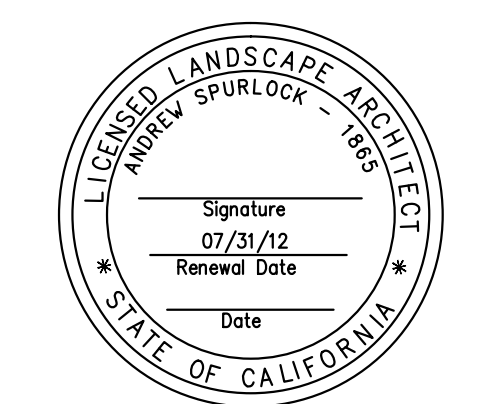
- NOTE A: POINT OF CONNECTION SHALL BE TO THE EXISTING VIRGINIA AVENUE PARK SITE IRRIGATION SYSTEM. CONTRACTOR SHALL CONNECT TO EXISTING IRRIGATION MAINLINE IN THE APPROXIMATE LOCATIONS SHOWN. CONTRACTOR SHALL ROUTE NEW CONTROL WIRE FROM PROPOSED VALVES BACK TO EXISTING IRRIGATION CONTROLLER. VERIFY THE ACTUAL LOCATION, SIZE AND WATER PRESSURE IN THE FIELD PRIOR TO STARTING WORK. IF ANY OF THE POC INFORMATION SHOWN ON THESE DRAWINGS IS FOUND TO BE DIFFERENT THAN THE ACTUAL POC INFORMATION GATHERED IN THE FIELD, IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT AND IRRIGATION CONSULTANT. SHOULD THE CONTRACTOR FAIL TO VERIFY THE POC INFORMATION ANY CHANGES REQUIRED BY LOW PRESSURE OR VOLUME SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- NOTE B: MAINLINE AND RELATED IRRIGATION EQUIPMENT SHOWN WITHIN PAVING FOR CLARITY ONLY. ACTUAL LOCATION OF MAINLINE AND RELATED IRRIGATION EQUIPMENT TO BE WITHIN PLANTER AND A MINIMUM OF 18" OFF ADJACENT HARDSCAPE AND OTHER OBSTACLES TYP.
- NOTE C: CONTRACTOR SHALL ADJUST ALL HEADS AS REQUIRED TO ACCOMMODATE ANY VERTICAL OBSTRUCTIONS THAT MAY OCCUR, INCLUDING BUT NOT LIMITED TO LIGHT POLES, FIRE HYDRANTS, ETC. VERIFY ALL HEAD LAYOUT WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.
- NOTE D: BUBBLERS AND LATERAL LINES ARE SHOWN WITHIN PAVING FOR CLARITY ONLY. ACTUAL LOCATION TO BE WITHIN PLANTER. BUBBLERS SHALL BE ALIGNED WITH TREES AND AS DIRECTED BY OWNER'S AUTHORIZED REPRESENTATIVE. CONFIRM ALL LAYOUT IN FIELD WITH OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO STARTING WORK.
- NOTE E: CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING WITHIN THE DRIPLINE OF EXISTING TREES. NO MECHANICAL TRENCHING WITHIN THE DRIPLINE OF THE EXISTING TREE WILL BE ALLOWED. AIR SPADE SHALL BE UTILIZED FOR ALL TRENCHING WITHIN THE DRIPLINE OF TREES. CONTRACTOR SHALL REFER TO ARBORIST REPORT FOR ADDITIONAL PRECAUTIONS REQUIRED FOR THE EXISTING TREES. VERIFY ALL LAYOUT IN FIELD WITH OWNER'S AUTHORIZED REPRESENTATIVE.
- NOTE F: ADJUST EXISTING IRRIGATION WITHIN THIS PLANTER TO ACCOMMODATE THE PROPOSED IMPROVEMENTS, RELOCATE EQUIPMENT, RE-ROUTE LATERALS, MAINLINE, AND WIRES. PROVIDE SLEEVES AS REQUIRED TO ACCOMMODATE THE PROPOSED IMPROVEMENTS. VERIFY ALL LAYOUT IN THE FIELD AT THE START OF CONSTRUCTION.
- NOTE G: CONTRACTOR SHALL VERIFY THE LOCATION OF THE EXISTING CONTROLLERS 'A' AND 'B'. THESE EXISTING 42 STATION RAIN MASTER CONTROLLERS SHALL BE USED FOR ALL PROPOSED VALVES. ROUTE NEW WIRES FROM THE CONTROLLER FOR ALL NEW STATIONS (A40, B37 THROUGH B42). THE REMAINING VALVES ARE DESIGNATED TO RE-USE EXISTING WIRES. IF THE EXISTING WIRES ARE NOT USABLE, THE CONTRACTOR SHALL ROUTE NEW CONTROL WIRES FROM THE EXISTING CONTROLLERS TO THE PROPOSED VALVES. VERIFY ALL EXISTING EQUIPMENT IN THE FIELD AT THE START OF WORK WITH THE OWNER'S AUTHORIZED REPRESENTATIVE.

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Santa Monica, CA 90404

PROJECT
KoningEisenbergArchitecture
1454 25th St. Santa Monica, CA 90404
310.828.6131 info@kearch.com
310.828.0719 fax www.kearch.com
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SPURLOCK POIRIER
LANDSCAPE ARCHITECTS
202 Hancock Street
San Diego, CA 92101
619.681.0050
619.681.0096 fax



CONSULTANT
City of Santa Monica
Architecture Services
1437 4TH STREET, SUITE 300
SANTA MONICA, CA 90401
TEL: (310) 458-2205
FAX: (310) 398-5241
architecture@smgov.net

DATE: 07/16/2012
SUBMITTED BY: Mismam Mulder
DATE: 07/16/2012
APPROVED BY: Mismam Mulder, Architecture Services Manager
CITY OF SANTA MONICA
DEPARTMENT OF PUBLIC WORKS
REVIEWED BY: DATE: 07/16/2012
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△	02/21/12		ADDENDUM 2

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DRAWING NO. **6693**
SHEET TITLE
Irrigation Plan

SHEET NO. **L2.01**

I HAVE COMPLIED WITH THE CRITERIA OF THE IRRIGATION GUIDELINES AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN

sweeney + associates
IRRIGATION DESIGN AND CONSULTING
38739 Sky Canyon Drive, Suite C
Menlo Park, CA 94025
info@sweeneyassoc.com | (951) 461-6810
www.sweeneyassoc.com | (951) 461-6810

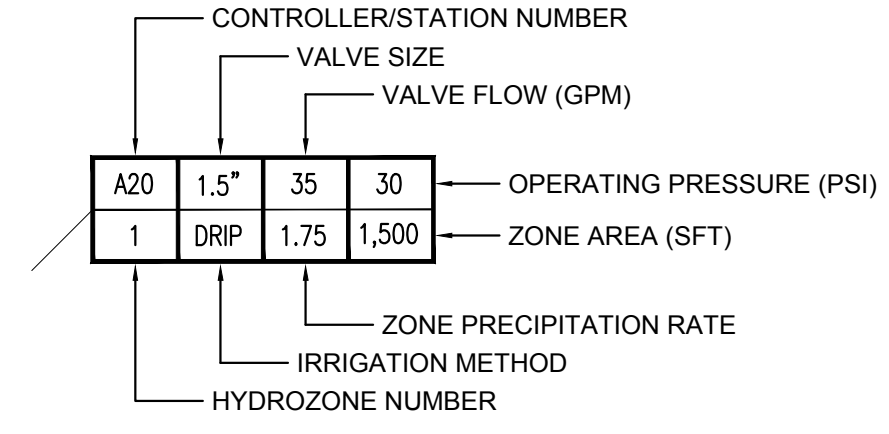
IRRIGATION NOTES

- ALL LOCAL MUNICIPAL AND STATE LAWS, RULES AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR.
- THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES AND SERVICES SHOWN IN THESE PLANS ARE APPROXIMATE ONLY. ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL OBTAIN THE PERTINENT ENGINEERING OR ARCHITECTURAL PLANS BEFORE BEGINNING WORK.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM THE WORK INDICATED HEREIN BEFORE BEGINNING WORK.
- THIS DESIGN IS DIAGRAMMATIC. ALL EQUIPMENT SHOWN IN PAVED AREAS IS FOR DESIGN CLARITY ONLY AND IS TO BE INSTALLED WITHIN PLANTING AREAS.
- THE CONTRACTOR SHALL NOT WILLFULLY INSTALL ANY EQUIPMENT AS SHOWN ON THE PLANS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN CONDITIONS EXIST THAT WERE NOT EVIDENT AT THE TIME THESE PLANS WERE PREPARED. ANY SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE PRIOR TO ANY WORK OR THE IRRIGATION CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY FIELD CHANGES DEEMED NECESSARY BY THE OWNER.
- INSTALL ALL EQUIPMENT AS SHOWN IN THE DETAILS AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE TO COMPLY WITH LOCAL CITY, COUNTY AND STATE REQUIREMENTS FOR BOTH EQUIPMENT AND INSTALLATION.
- ACTUAL LOCATION FOR THE INSTALLATION OF THE BACKFLOW PREVENTER AND THE AUTOMATIC CONTROLLER IS TO BE DETERMINED IN THE FIELD BY THE OWNER'S AUTHORIZED REPRESENTATIVE.
- CONTRACTOR IS TO PROVIDE AN ADDITIONAL PILOT WIRE FROM CONTROLLER ALONG ENTIRETY OF MAIN LINE TO THE LAST RCV ON EACH AND EVERY LEG OF MAIN LINE. LABEL SPARE WIRES AT BOTH ENDS.
- ALL PIPE UNDER PAVED AREAS TO BE INSTALLED IN SLEEVING TWICE THE DIAMETER OF THE PIPE CARRIED. SEE LEGEND FOR TYPE. ALL WIRE UNDER PAVED AREAS TO BE INSTALLED IN A SCH. 40 SLEEVE THE SIZE REQUIRED TO EASILY PULL WIRE THROUGH. ALL SLEEVES TO BE INSTALLED WITH A MINIMUM DEPTH AS SHOWN ON THE SLEEVING DETAILS. SLEEVES TO EXTEND AT LEAST 12" PAST THE EDGE OF THE PAVING.
- ALL QUICK COUPLER AND REMOTE CONTROL VALVES TO BE INSTALLED IN SHRUB OR GROUND COVER AREAS WHERE POSSIBLE. ALL QUICK COUPLER AND REMOTE CONTROL VALVES TO BE INSTALLED AS SHOWN ON THE INSTALLATION DETAILS. INSTALL ALL QUICK COUPLER AND REMOTE CONTROL VALVES WITHIN 18" OF HARDSCAPE.
- ALL HEADS ARE TO BE INSTALLED WITH THE NOZZLE, SCREEN AND ARCS SHOWN ON THE PLANS. ALL HEADS ARE TO BE ADJUSTED TO PREVENT OVERSPRAY ONTO BUILDINGS, WALLS, FENCES AND HARDSCAPE. THIS INCLUDES, BUT NOT LIMITED TO, ADJUSTMENT OF DIFFUSER PIN OR ADJUSTMENT SCREW, REPLACEMENT OF PRESSURE COMPENSATING SCREENS, REPLACEMENT OF NOZZLES WITH MORE APPROPRIATE RADIUS UNITS AND THE REPLACEMENT OF NOZZLES WITH ADJUSTABLE ARC UNITS.
- CONTRACTOR SHALL INSTALL ADDITIONAL CHECK VALVES TO HEADS AND LATERALS AS REQUIRED TO PREVENT LOW HEAD DRAINAGE.
- THE CONTRACTOR SHALL USE PROPER GROUNDING TECHNIQUES FOR GROUNDING THE CONTROLLER AND RELATED EQUIPMENT PER MANUFACTURERS SPECIFICATIONS. SWEENEY AND ASSOCIATES RECOMMENDS MEASURING FOR PROPER GROUND AT LEAST ONCE ANNUALLY, AND NECESSARY ADJUSTMENTS MADE TO COMPLY WITH MANUFACTURER SPECIFICATIONS.

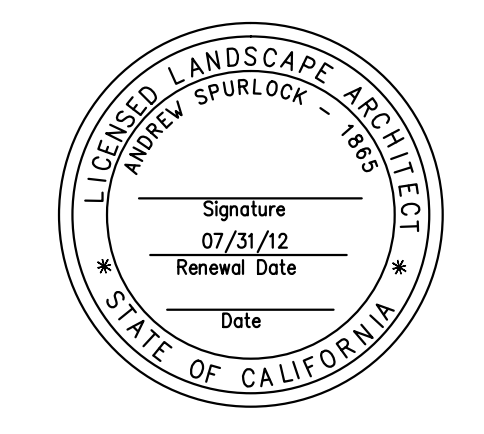
3 THE IRRIGATION DESIGNER OR LANDSCAPE ARCHITECT OR LANDSCAPE DESIGNER SHALL PERFORM ONE OR MORE SITE OBSERVATIONS DURING SYSTEM INSTALLATION TO CHECK FOR ADHERENCE TO THE DESIGN, INCLUDING THE PROPER INSTALLATION OF THE BACKFLOW PREVENTION ASSEMBLY, MAINLINE, LATERALS, VALVES, SPRINKLER HEADS, DRIP IRRIGATION EQUIPMENT, CONTROL WIRE, CONTROLLERS, AND SENSORS AND SHOULD ASSURE THAT THE INTENT OF THE IRRIGATION DESIGN HAS BEEN PRESERVED.

IRRIGATION MATERIAL LEGEND

SYMBOL	MANUFACT.	MODEL NO. / DESCRIPTION	GPM	PSI	RADIUS	PR (TRI.)	DETAIL
	RAIN BIRD	1806-SAM-PRS-5F-B-PCS-040 POP-UP BUBBLER HEAD, EACH SYMBOL REPRESENTS TWO BUBBLERS, PLACE BUBBLERS AT EDGE OF ROOTBALL ON OPPOSITE SIDES OF TREE FOR 48" BOX, PLACE ONE BUBBLER ON EACH SIDE OF TREE FOR 60" BOX. ADJUST PER ROOTBALL SIZE TYPICAL.	40 (0.8)		30	N/A	A
	RAIN BIRD	33DLRC QUICK COUPLER VALVE PLACED 100' O.C. FOR ENTIRE LENGTH OF MAINLINE					C
	RAIN BIRD	EFB-CP (1", 1 1/2", 2") SERIES BRASS REMOTE CONTROL VALVE, SIZE AS SHOWN					D
	SUPERIOR	850 -DI (1") SERIES DRIP REMOTE CONTROL VALVE ASSEMBLY, SIZE AS SHOWN INSTALL A NETAFIM TF075-120 3/4" TECHFILTER WITH PRV075LF20 REGULATOR FOR FLOWS LESS THAN 5 GPM, INSTALL A NETAFIM TF100-120 1" TECHFILTER WITH PRV075HF20 REGULATOR FOR FLOWS ABOVE 5 GPM, INSTALL BOTH ON THE DOWNSTREAM SIDE OF EACH DRIP RCV					E, J
	NETAFIM	TLD-4/6-12-1000 LANDSCAPE DRIP TUBING W/ 60 GPH EMITTERS FOR SHRUB AREAS AND 40 GPH EMITTERS FOR TURF AREAS 12" ON CENTER, INSTALL TUBING ROWS A MAXIMUM OF 12" APART IN TURF AREAS AND MAXIMUM OF 16" APART IN SHRUB AREAS. ALL TUBING SHALL BE INSTALLED 4" BELOW FINISHED SOIL GRADE W/ 9" WIRE STAKES FIVE (5) FEET ON CENTER. VERIFY THE LAYOUT AND SPACING IN THE FIELD PRIOR TO STARTING WORK					F, G, H
	NETAFIM	TECHLINE DRIPLINE FITTINGS W/ APPROPRIATE PVC FITTING FOR CONNECTION BETWEEN PVC LATERAL LINES AND DRIP TUBING					F, G, H
	NETAFIM	ALL CONNECTIONS BETWEEN DRIP TUBING SHALL BE MADE USING TECHLINE FITTINGS					F, G, H
	LASCO	SCH. 40 PVC BALL VALVE 1/2" SIZE WITH THREADED CONNECTIONS, INSTALL FLUSH VALVES AT END/MIDDLE OF DRIPLINE 3/4" PVC FLUSH MANIFOLD LINE, INSTALL FLUSH VALVE INSIDE A SEPERATE 10" ROUND VALVE BOX, ONE AT THE END OF TUBING RUNS IN EACH DIRECTION, INSTALL MIN. ONE FLUSH VALVE PER 1000' OF TUBING IN EACH DIRECTION ON DRIPLINE FLUSH MANIFOLD, INSTALL 18" FROM PAVING, INSTALL ALL FLUSH EQUIPMENT PER MANUFACTURER'S SPECIFICATIONS.					H, J
	AS APPROVED	PVC PIPE 3/4" - 3" SCH. 40 AS LATERAL LINES 12" BELOW GRADE					K
	AS APPROVED	EXISTING 3" SCH. 40 IRRIGATION MAINLINE, PROTECT IN PLACE					N/A
	AS APPROVED	PVC PIPE 3" SCH. 40 SOLVENT WELD AS MAINLINES 24" BELOW GRADE					K
	AS APPROVED	PVC PIPE SCH. 40 AS SLEEVING, 2.5 TIMES THE DIAMETER OF PIPE OR WIRE BUNDLE CARRIED PLACE BELOW ALL PAVING, HARDSCAPE ETC. AND AS DIRECTED BY OWNER'S AUTHORIZED REPRESENTATIVE.					L
	AS APPROVED	IRRIGATION CONTROL WIRE #14UF AWG DIRECT BURIAL (U.L. APPROVED)					K, L, M
	3M	DBY-6 DIRECT BURIAL WATER-PROOF WIRE CONNECTORS FOR USE ON ALL WIRE CONNECTIONS (U.L. APPROVED)					M
	K.B.I.	KSC-XXX-S SWING CHECK VALVE, LINE SIZE, 1 DOWNSTREAM OF EACH RCV WHEN RCV IS LOWER THAN THE SPRINKLERS INSTALL WITHIN SPRINKER/DRIP ZONES AS REQUIRED TO PREVENT LOW HEAD/EMITTER DRAINAGE.					N/A
	K.B.I.	KC-XXX-S SPRING CHECK VALVE, LINE SIZE, 1 DOWNSTREAM OF EACH RCV IMMEDIATELY ABOVE FIRST LATERAL LINE TEE WHEN RCV IS HIGHER THAN THE SPRINKLERS, INSTALL WITHIN SPRINKER/DRIP ZONES AS REQUIRED TO PREVENT LOW HEAD/EMITTER DRAINAGE.					N/A
	CARSON	VALVE BOXES, SIZE PER EQUIPMENT DETAILS, LEGEND, AND SPECIFICATIONS. FOR FLUSH VALVES AND AIR RELIEF VALVES USE MODEL 708, 10" ROUND SHALL BE MODEL 910, 11" X 16" STANDARD RECT. SHALL BE MODEL 1419-12, 17" X 30" JUMBO RECT. SHALL BE MODEL 1730. VALVE BOXES SHALL HAVE GREEN BODY AND GREEN LIDS IN TURF, GREEN LIDS IN SHRUB BEDS, AND TAN LIDS IN ROCK MULCH. FOR USE IN NON-VEHICULAR TRAFFIC SITUATIONS ONLY. DO NOT INSTALL IN CONCRETE OR ASPHALT.					N/A



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CONSULTANT
City of Santa Monica
Architecture Services
1437 4TH STREET, SUITE 300
SANTA MONICA, CA 90401
TEL (310) 458-2205
FAX (310) 398-1541
architecture@smgov.net

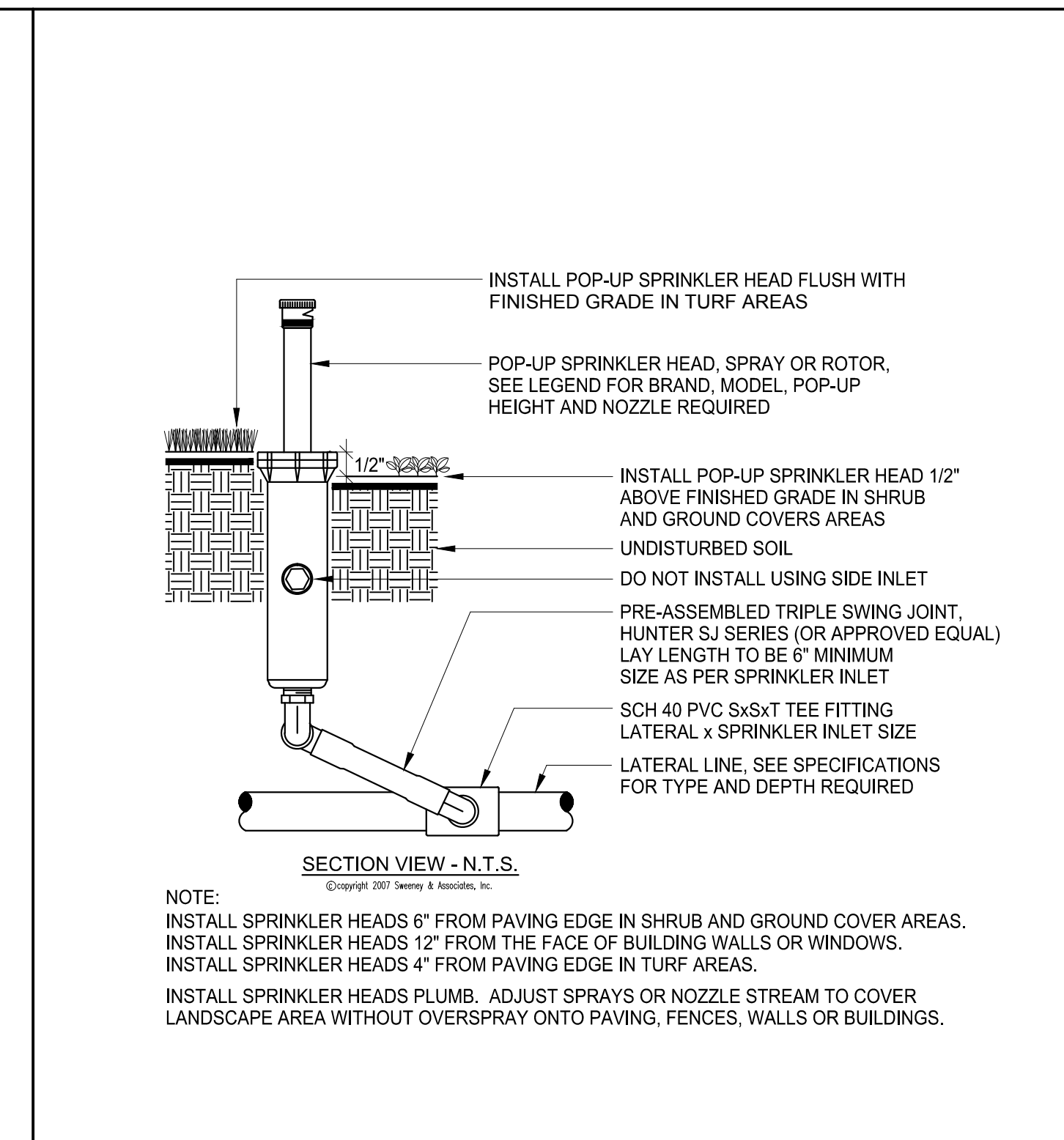
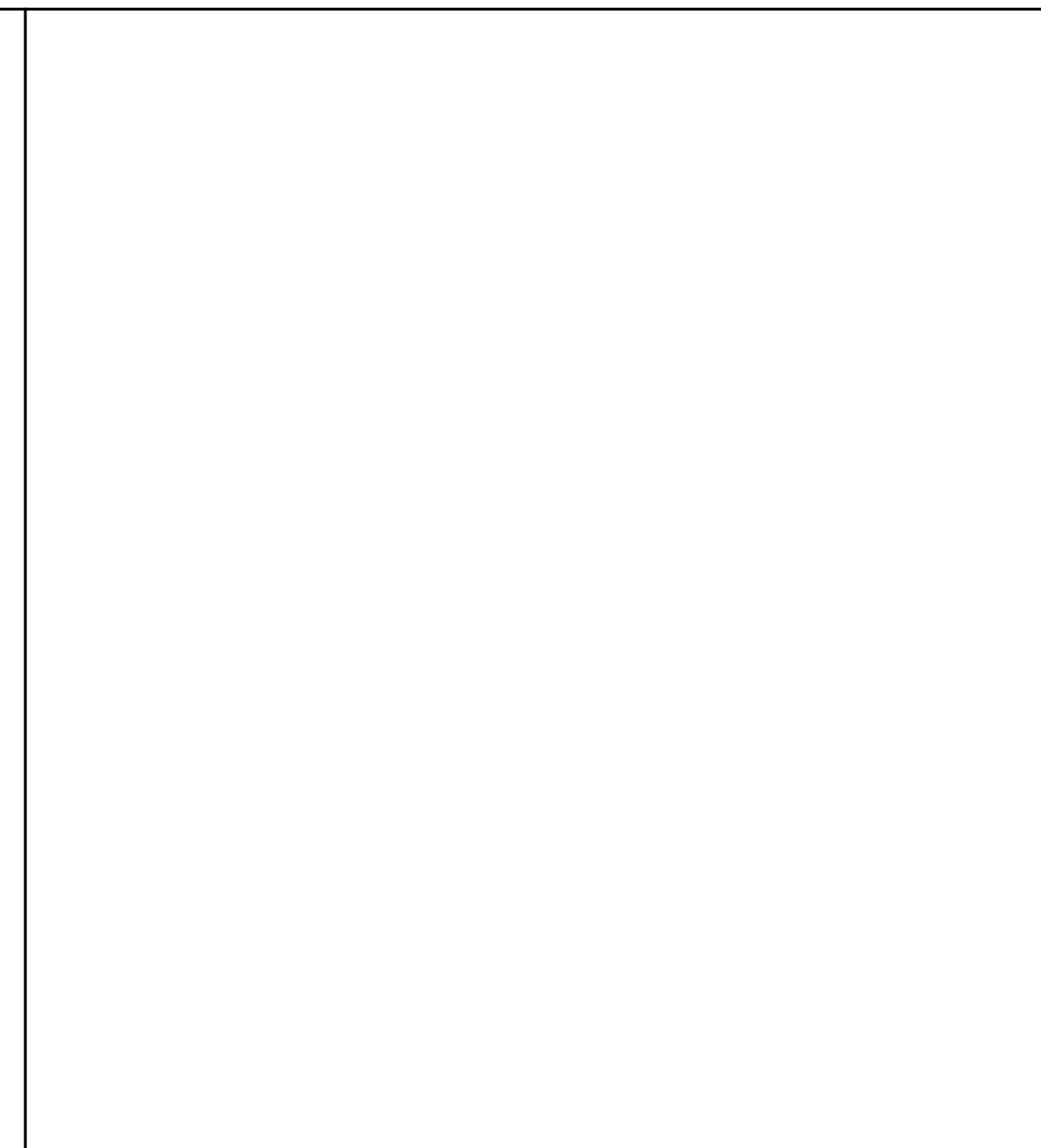
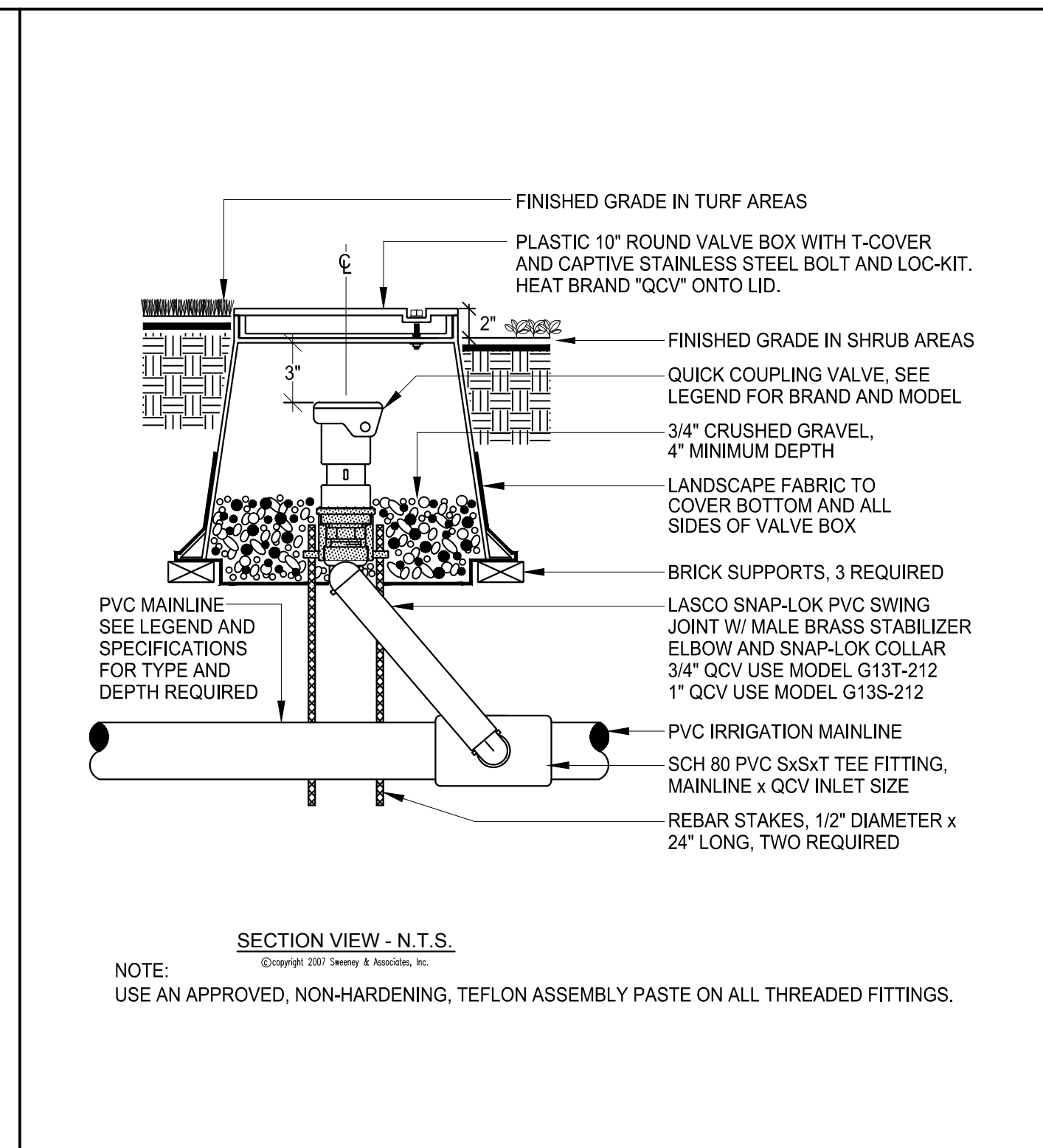
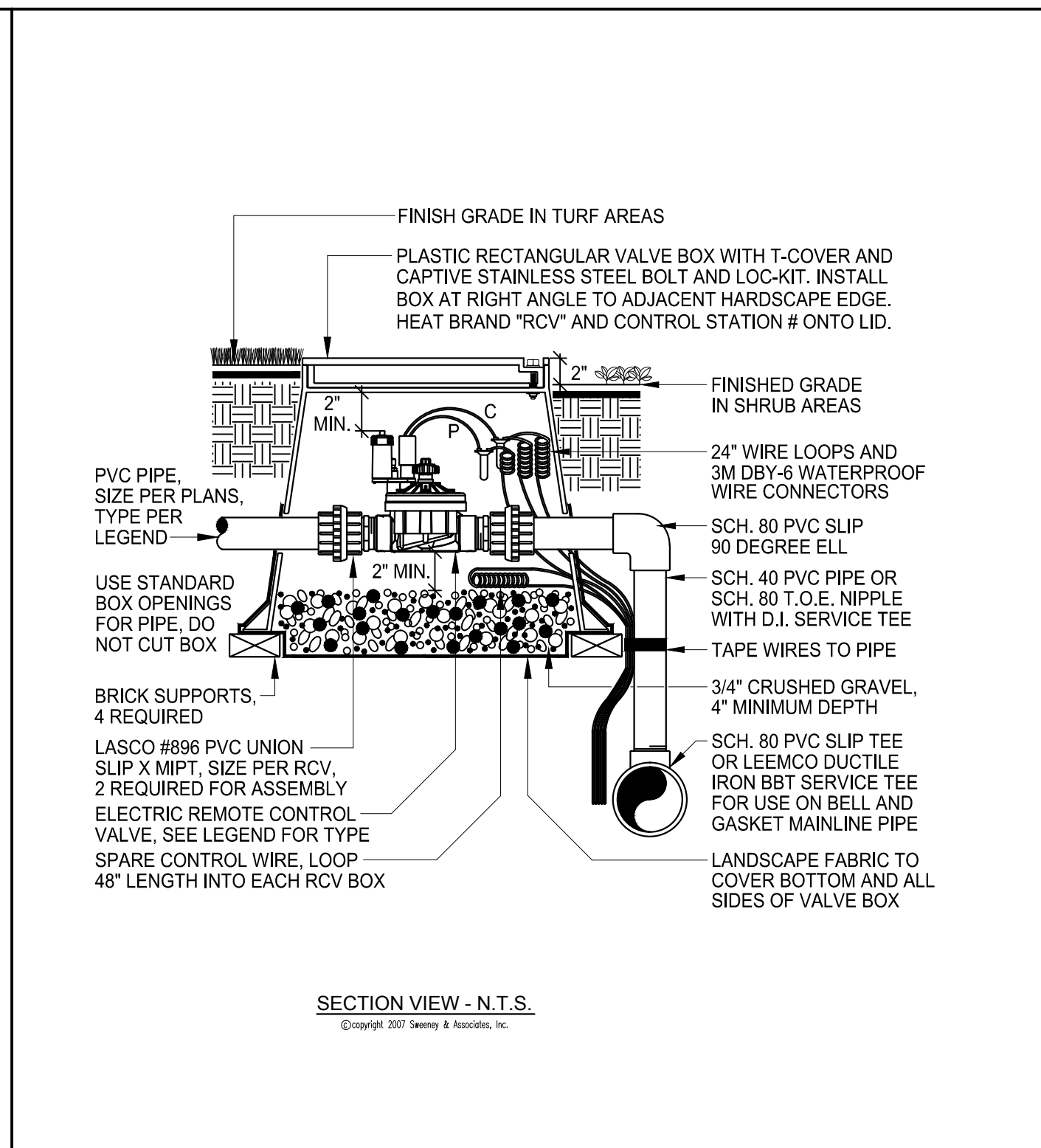
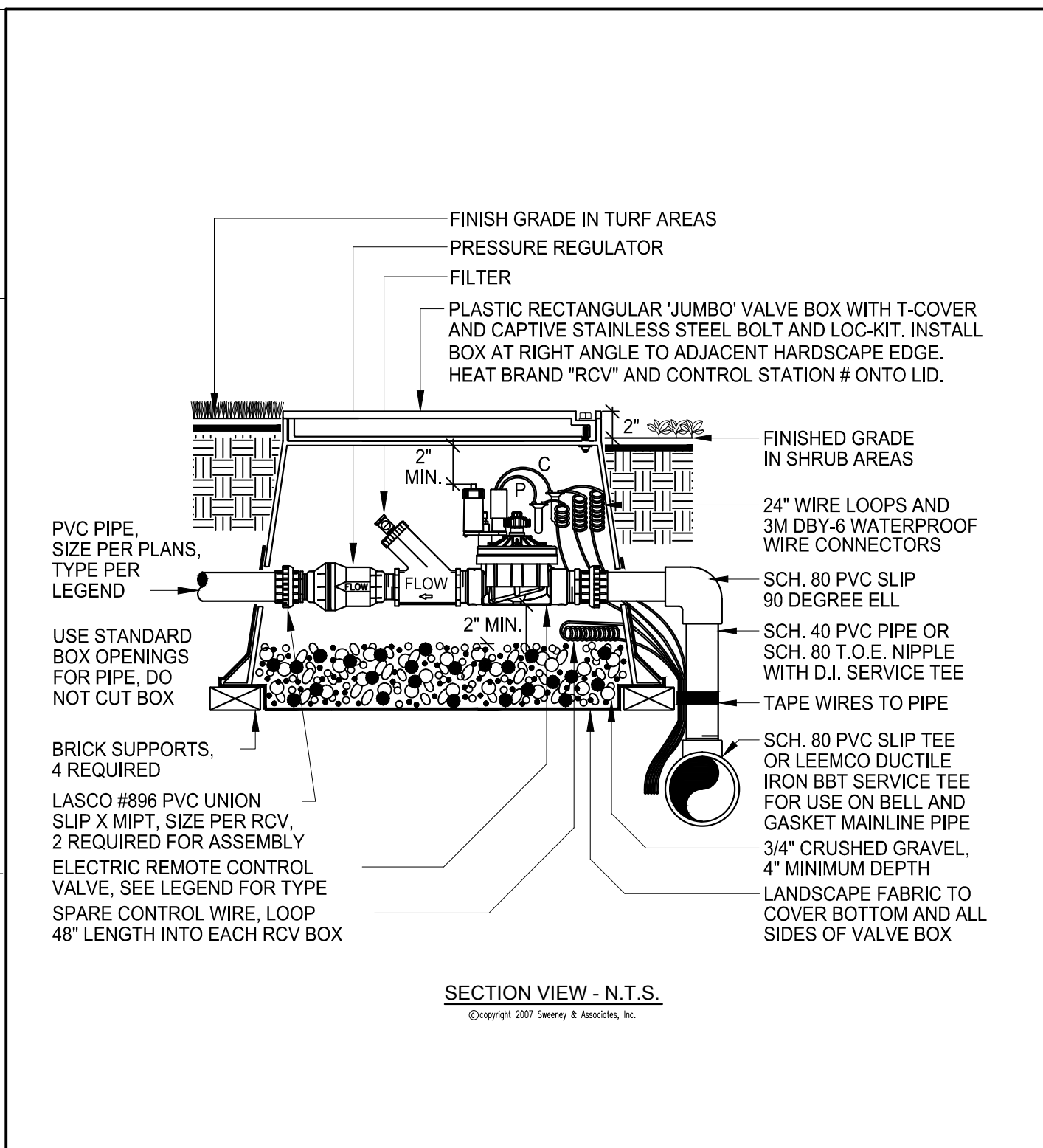
DATE: 07/16/2012
SUBMITTED BY: Miriam Mulder
APPROVED BY: Miriam Mulder, Architecture Services Manager
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REVIEWED BY: DATE: 07/16/2012
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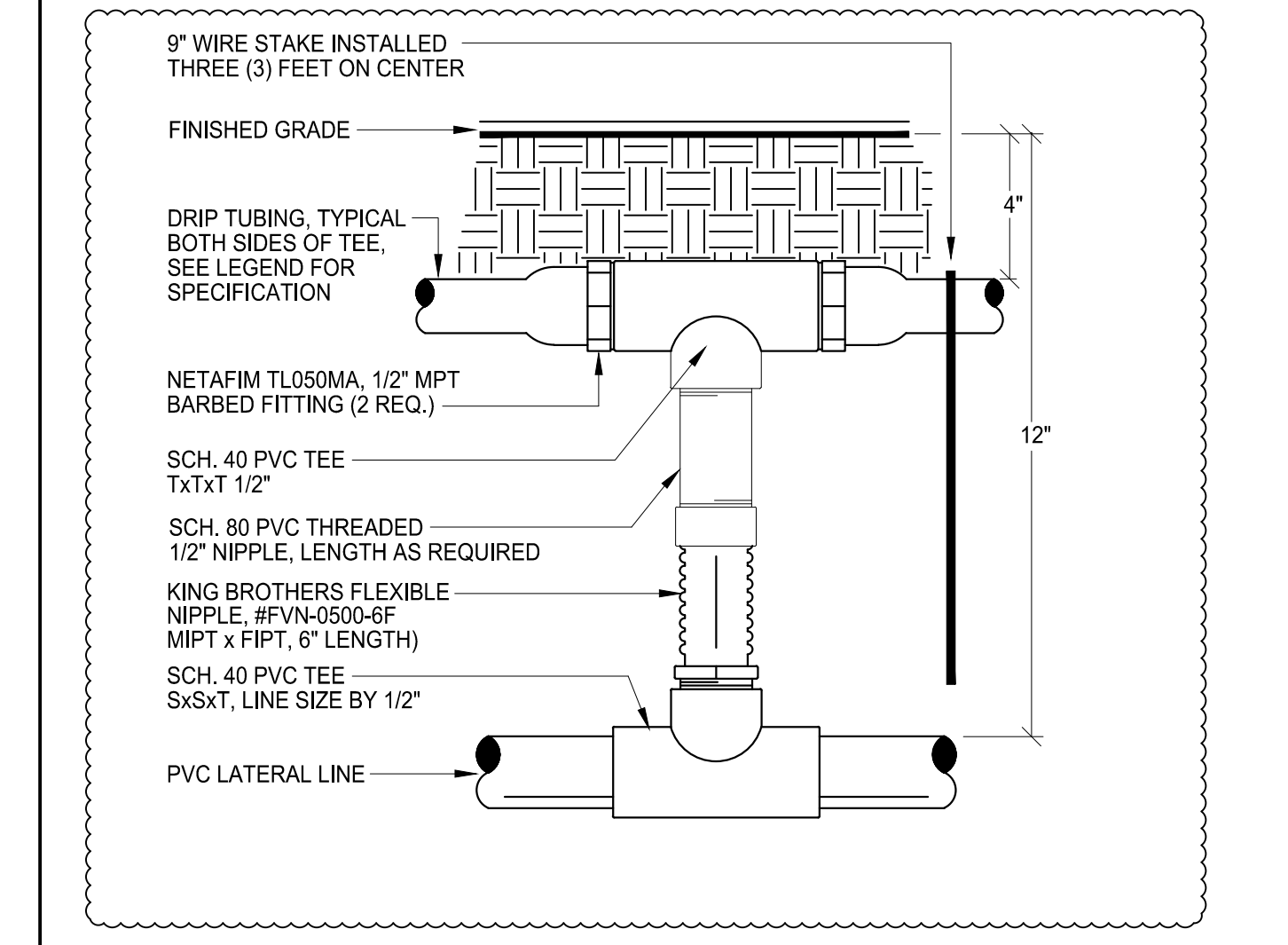
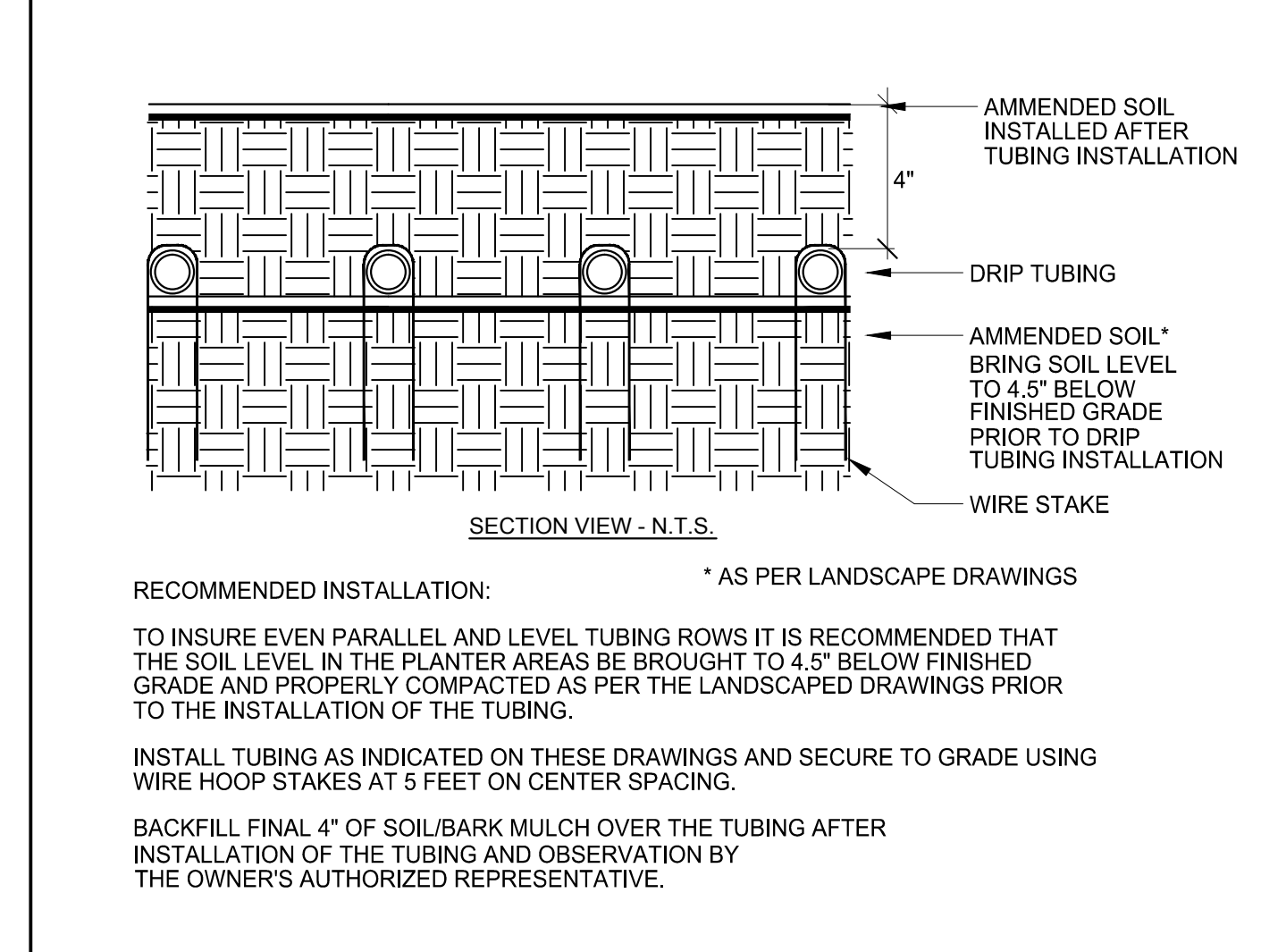
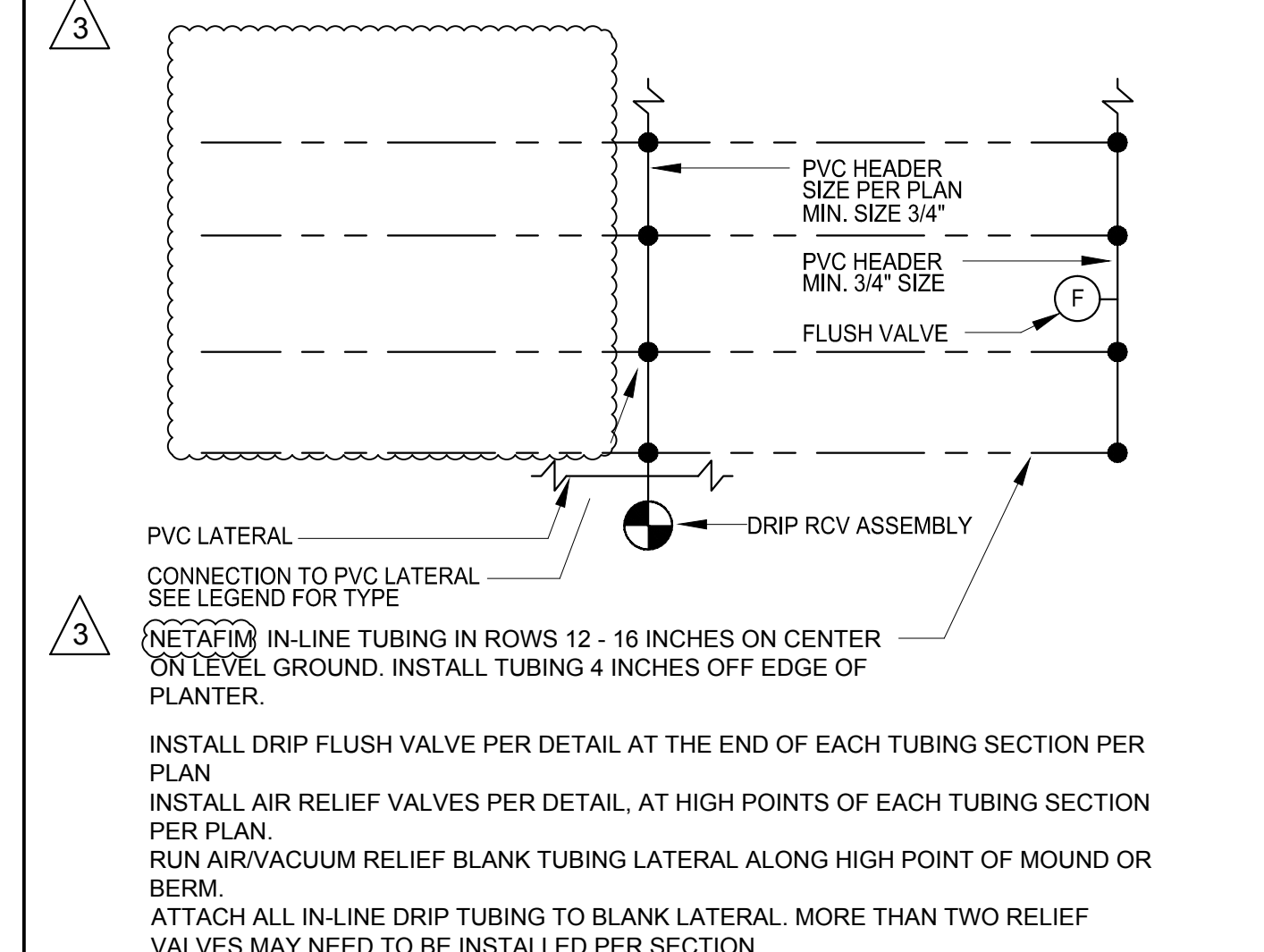
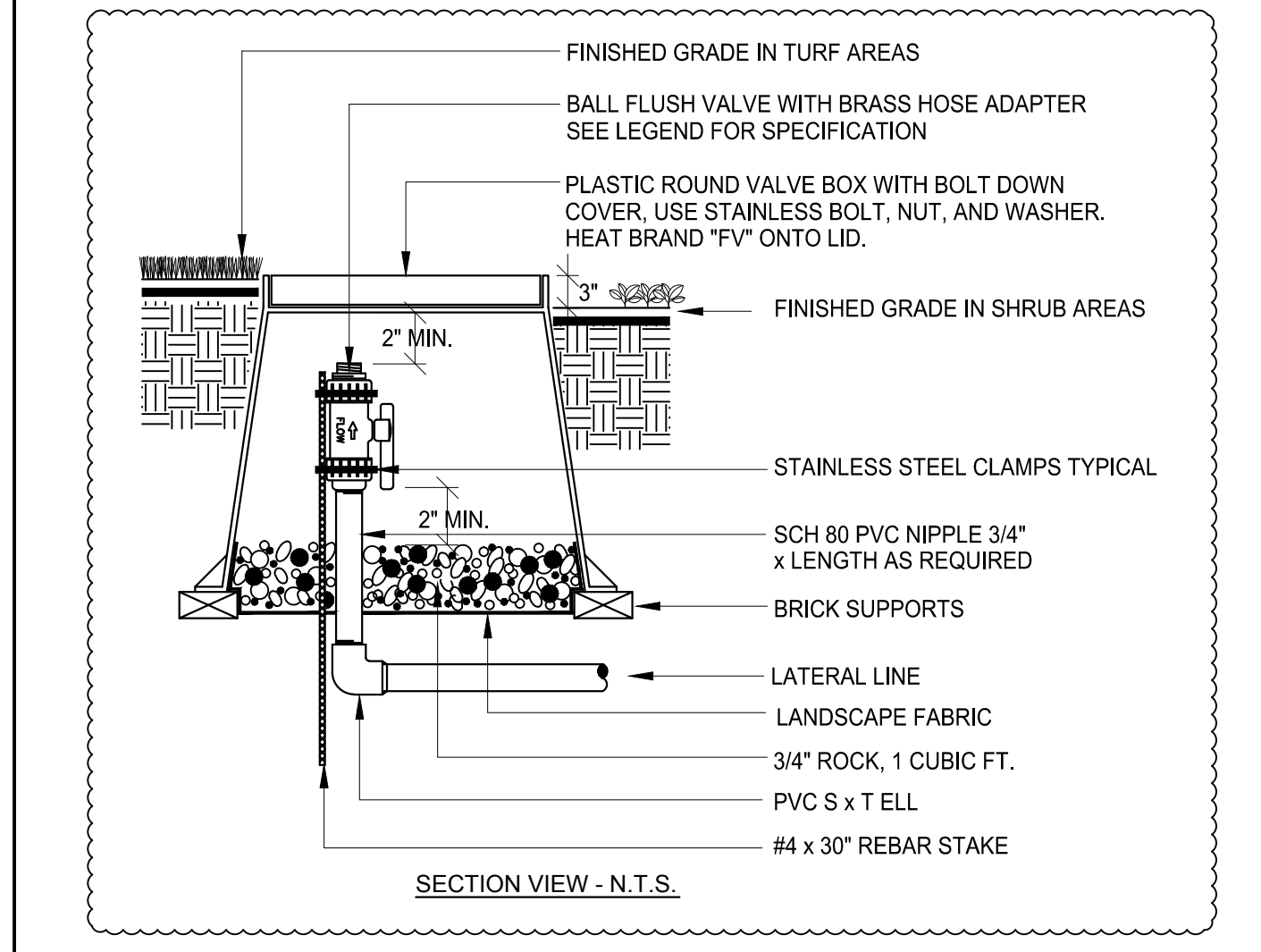
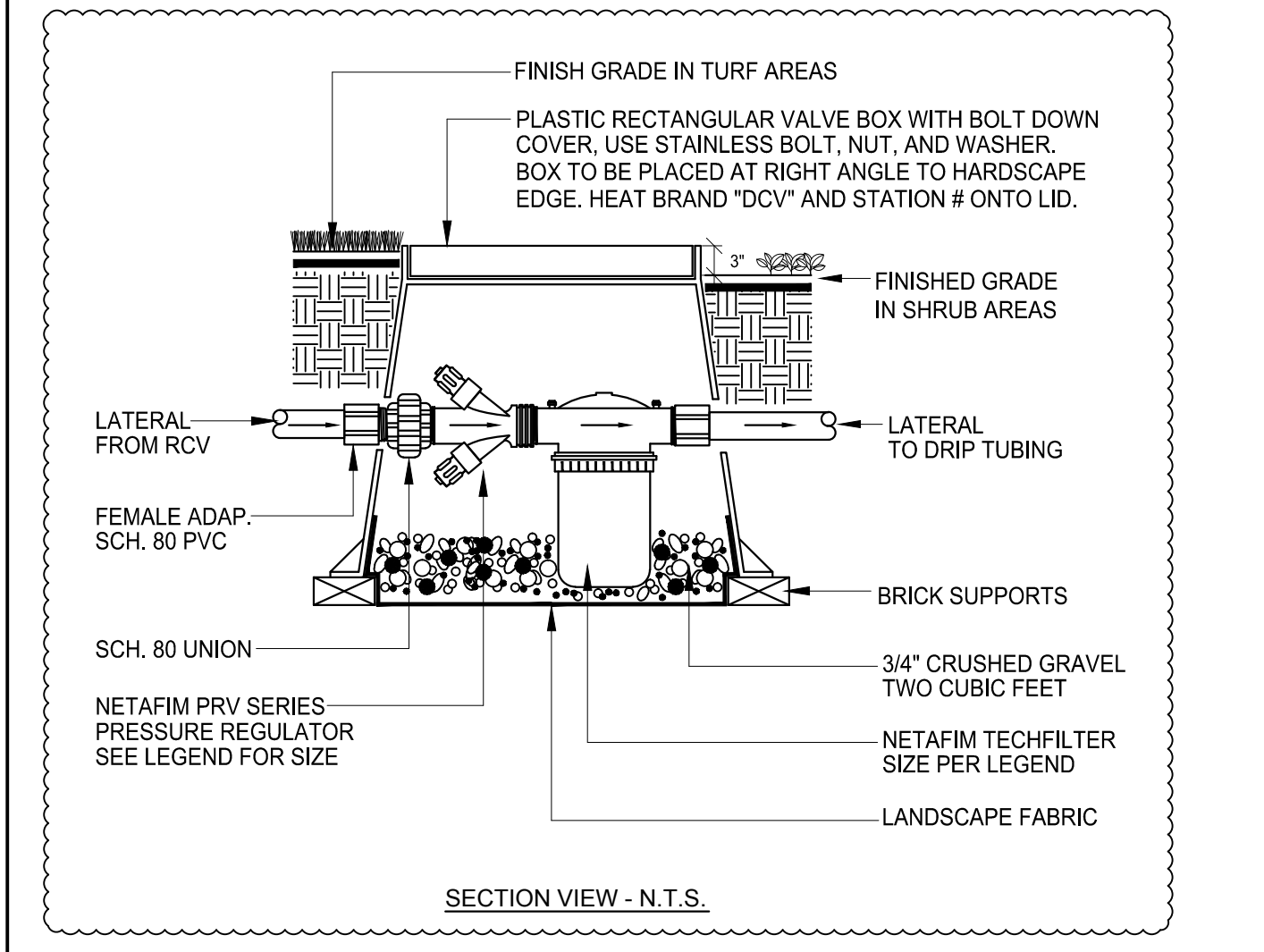
E DRIP RCV ASSEMBLY

D REMOTE CONTROL VALVE

C QUICK COUPLER VALVE

B DETAIL NOT USED

A POP-UP BUBBLER



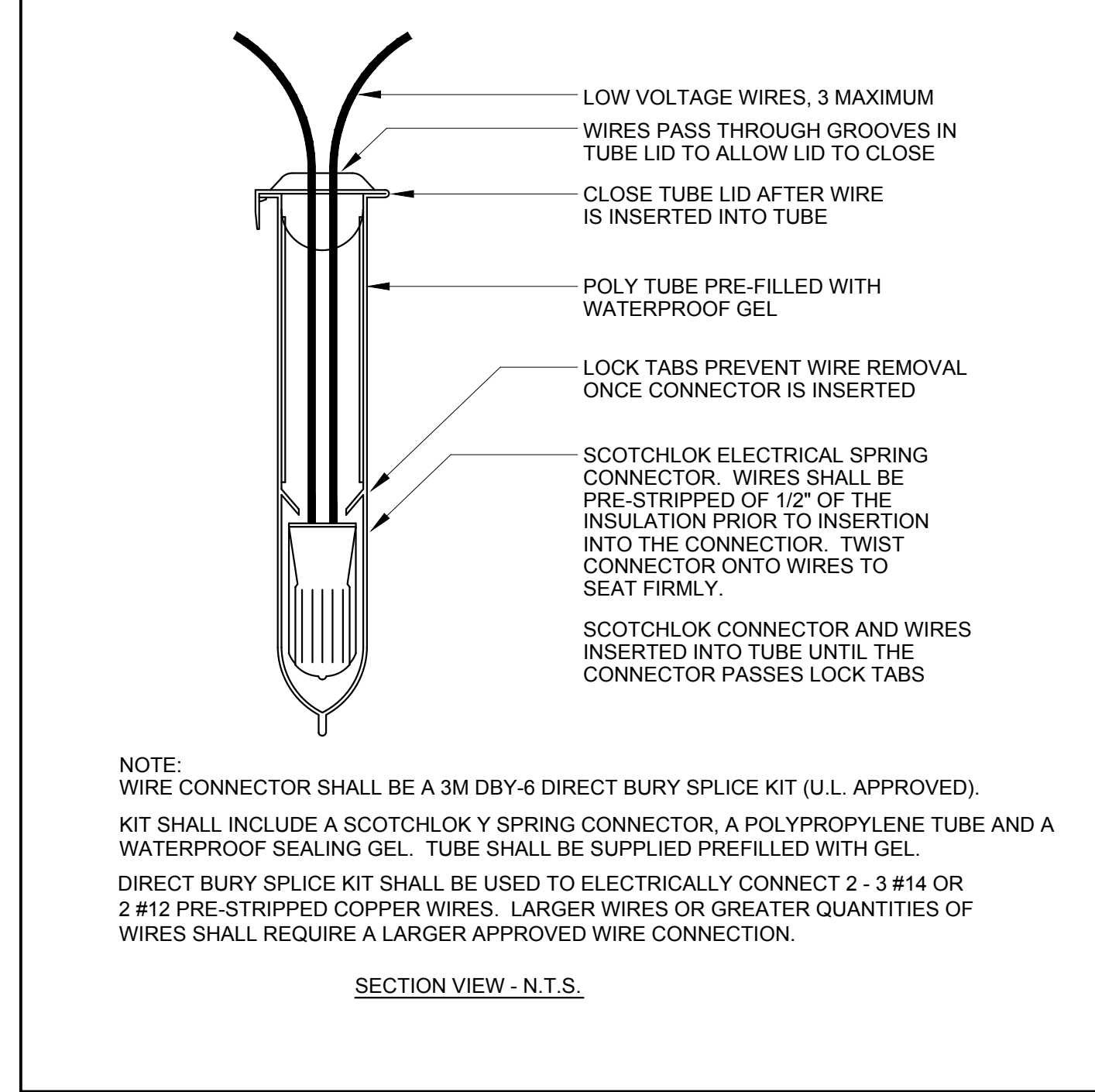
J 1" DRIP FITER/REGULATOR

I FLUSH VALVE

H DRIPLINE LAYOUT (PLAN)

G DRIPLINE LAYOUT (SECTION)

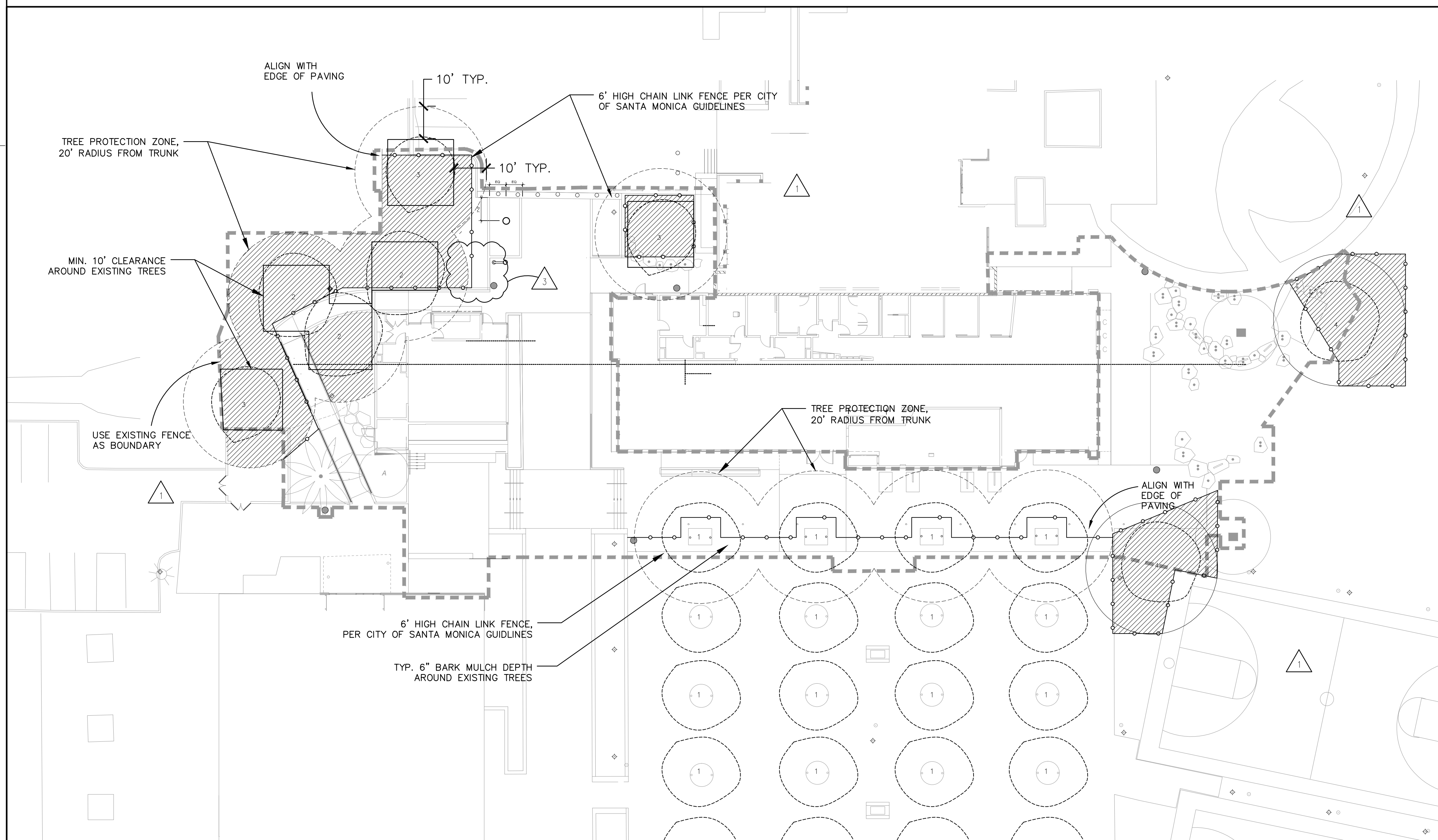
F DRIPLINE CONNECTION



M WIRE CONNECTORS

L SLEEVE INSTALLATION

K PIPE INSTALLATION



TREE PROTECTION LEGEND

SYMBOL	DESCRIPTION
	EXISTING CINNAMOMUM CAMPHORA, TO BE PROTECTED
	EXISTING PINUS CANARIENSIS, TO BE PROTECTED
	EXISTING PODOCARPUS GRACILIOR, TO BE PROTECTED
	EXISTING OTHER TREES, TO BE PROTECTED
	EXISTING OTHER TREES, TO BE PROTECTED
	MINIMUM 10' CLEARANCE FROM EXISTING TRUNK, TREE PROTECTION ZONE, 10' CLEARANCE FROM EXISTING TREE DRIPLINE, 6" BARK MULCH DEPTH DURING CONSTRUCTION PHASE.
	6' HIGH CHAIN LINK FENCE PER CITY OF SANTA MONICA TREE PROTECTION ZONE GUIDELINES

NOTES:

- COORDINATE ALL OFF-SITE IMPROVEMENTS WITHIN THE TPZ WITH THE COMMUNITY FORESTER'S OFFICE
- NO CONSTRUCTION MATERIAL OR ACTIVITIES ALLOWED IN THE TPZ AREA
- PRUNING OF CITY TREES TO PROVIDE CLEARANCE FOR CONSTRUCTION ACTIVITIES SHALL ONLY BE DONE BY CITY OF SANTA MONICA COMMUNITY FOREST OPERATIONS
- THE CONTRACTOR IS RESPONSIBLE FOR ADDITIONAL TREE PROTECTION AS REQUIRED BY THE CONSTRUCTION STAGING LOCATION
- SEE CIVIL DRAWING AND LANDSCAPE SPECIFICATIONS FOR TREE PROTECTION FOR ON-SITE PLANT MATERIAL TO BE PROTECTED.
- LIMIT OF WORK SHOWN DEFINES ALL ONSITE WORK, AND DOES NOT CONTAIN THE LIMIT OF WORK FOR THE OFFSITE TREE PROTECTION.

STANDARD TREE PROTECTION GUIDELINES - RIGHT-OF-WAY AND DISTRICT-OWNED TREES

TREES WITHIN THE PUBLIC RIGHT-OF-WAY MAY NOT BE REMOVED FOR ANY REASON AND ARE TO BE PROTECTED FROM INJURY OR DAMAGE DURING CONSTRUCTION. TREES WITHIN SCHOOL PROPERTY MAY NOT BE REMOVED UNLESS CLEARLY STATED AS SUCH ON THE DEMOLITION PLAN. PRUNING TO PROVIDE CLEARANCE FOR CONSTRUCTION ACTIVITIES FOR RIGHT-OF-WAY TREES OR DISTRICT-OWNED TREES SHALL ONLY BE UNDERTAKEN BY COMMUNITY FOREST OPERATIONS STAFF (RIGHT-OF-WAY TREES) OR THE DISTRICT (DISTRICT-OWNED TREES). QUESTIONS REGARDING RIGHT-OF-WAY TREES MAY BE DIRECTED TO THE CITY OF SANTA MONICA'S COMMUNITY FORESTER AT (310) 458-8974 AND DISTRICT-OWNED TREES TO SMMUSD'S CONSULTING ARBORIST AT (626) 355-0271.

THE TYPICAL TREE PROTECTION ZONE (TPZ) SHOULD ENCOMPASS THE CANOPY PLUS AN ADDITIONAL RADIAL WIDTH OF TEN FEET (10'). HOWEVER, SINCE CONDITIONS ARE UNIQUE, THE APPLICATION SHOULD BE EVALUATED WITH THE FINAL LIMITS OF THE TPZ BEING ESTABLISHED BY THE DISTRICT'S CONSULTING ARBORIST.

UNLESS OTHERWISE STATED, MULCH THE ENTIRE AREA OF THE TPZ IN AN EFFORT TO IMPROVE THE GROWING ENVIRONMENT FOR THE ROOTS. DURING THE CONSTRUCTION PHASE MAINTAIN A FOUR TO SIX-INCH LAYER OF CHIP MULCH OVER THE SOIL SURFACE TO REDUCE SOIL COMPACTION, IMPROVE AERATION, ENHANCE MOISTURE RETENTION, AND REDUCE TEMPERATURE EXTREMES. MULCH GENERALLY CONSISTS OF SHREDDED LEAVES OR BARK, PINE STRAW, PEAT MOSS, UNTREATED AND UNPAINTED WOOD CHIPS, OR COMPOSTED GREENWASTE. MULCH SHALL BE REMOVED BY THE CONTRACTOR AFTER PROJECT COMPLETION.

FENCE THE TPZ WITH A SIX FOOT (6') HIGH CHAIN LINK FENCE TO PREVENT WOUNDS TO THE TREE AND SOIL COMPACTION WITHIN THE ROOT ZONE. POST THE FENCE WITH A MINIMUM 8.5 X 11" LAMINATED SIGN STATING: "TREE PROTECTION ZONE - THIS FENCE SHALL NOT BE REMOVED."

THERE IS NO NEED TO SEVER MAJOR ROOTS DURING UTILITY TRENCHING. UTILITY ACCESS CAN BE ACCOMPLISHED BY CAREFUL INCREMENTAL MACHINE EXCAVATION SUPPLEMENTED BY HAND DIGGING WHEN NECESSARY TO PRESERVE SIGNIFICANT ROOTS. IF NECESSARY, STRONG WATER PRESSURE CAN BE USED TO "TUNNEL" BENEATH ROOTS. SEVERAL UTILITIES CAN SOMETIMES USE THE SAME PATHWAYS TO ELIMINATE NEEDLESS SOIL DISRUPTION. EXACT PLACEMENT OF UTILITIES MUST BE MARKED AND COORDINATED WITH INDIVIDUAL CONTRACTORS SO THAT THEY DO NOT JUST CHOOSE THE SHORTEST AND EASIEST ROUTES.

SHOULD IT BE NECESSARY TO TRENCH WITHIN THE TPZ, ALL TRENCHES SHALL BE HAND-DUG. NO ROOTS LARGER THAN TWO INCHES (2") IN DIAMETER SHALL BE CUT UNLESS NO OTHER ALTERNATIVE IS FEASIBLE. IF ROOTS EXCEEDING TWO INCHES IN DIAMETER ARE REQUIRED TO BE CUT, THE CONTRACTOR SHALL CALL THE DISTRICT'S CONSULTING ARBORIST BEFORE PROCEEDING.

ROOTS SMALLER THAN TWO INCHES IN DIAMETER THAT REQUIRE PRUNING SHALL BE CUT WITH PRUNING SAWS. CUTS SHALL BE MADE FLUSH WITH THE SIDE OF THE TRENCH, AND MADE AT 90-DEGREE ANGLES TO EXPOSE THE LEAST AMOUNT OF SURFACE AREA AS POSSIBLE. IF AT ANY TIME TWENTY-FIVE PERCENT (25%) OF THE AREA WITHIN THE TPZ IS BEING SEPARATED FROM THE TREE BY A TRENCH, THEN THE LINE SHALL BE EITHER RELOCATED OR INSTALLED BY BORING.

REMOVAL OF HARDSCAPE AND/OR EXCAVATION WITHIN THE TPZ SHALL BE COORDINATED WITH THE DISTRICT'S CONSULTING ARBORIST. EQUIPMENT MAY BE USED TO BREAK UP HARDSCAPE, BUT ONCE IT IS REMOVED ONLY FOOT TRAFFIC IS PERMITTED UNDER THE TPZ. THIS PROCESS IS TYPICALLY ACCOMPLISHED BY PLACING THE EQUIPMENT ON THE HARDSCAPE AND BACKING UP AS THE HARDSCAPE IS REMOVED.

THE MINIMUM DISTANCE BETWEEN AN OPEN TRENCH AND ANY TREE SHALL BE BETWEEN SIX INCHES (6") TO ONE FOOT (1') FOR EVERY INCH OF TRUNK DIAMETER, MEASURED AT FOUR AND ONE-HALF FEET (4.5') ABOVE EXISTING GRADE, DEPENDING ON THE SPECIES OF TREE. THE MINIMUM CLEARANCE SHALL BE TEN FEET (10') FROM THE TRUNK OF THE TREE.

IN THE EVENT ROOT PRUNING IS REQUIRED TO ACCOMMODATE GRADE CHANGES OR THE INSTALLATION OF HARDSCAPE FEATURES, THE ROOT PRUNING PROCEDURES SHALL BE DIRECTED BY COMMUNITY FORESTER (RIGHT-OF-WAY TREES) OR THE DISTRICT'S CONSULTING ARBORIST (DISTRICT-OWNED TREES).

AT NO TIME SHALL ANY EQUIPMENT, MATERIALS, SUPPLIES, OR FILL SOIL BE ALLOWED IN THE TPZ UNLESS NECESSARY AND APPROVED BY EITHER CITY OF SANTA MONICA'S COMMUNITY FORESTER OR DISTRICT'S CONSULTING ARBORIST.

PRUNE AND FERTILIZE THE TREES AFTER THE COMPLETION OF ALL EXTERIOR WORK ON THE BUILDING AND AT THE BEGINNING OF THE LANDSCAPE PHASE AS DIRECTED BY THE COMMUNITY FORESTER OR DISTRICT'S CONSULTING ARBORIST.

PRIOR TO THE COMMENCEMENT OF THE PROJECT, PLEASE CONTACT THE DISTRICT'S CONSULTING ARBORIST AT (626) 355-0271 TO DETERMINE THE PRECISE LOCATION OF THE TPZ.

PROJECT

KoningEisenbergArchitecture
1454 25th St, Santa Monica, CA 90404
310.828.6131 info@kearch.com
310.828.0719 fax www.kearch.com

ARCHITECTS PROJECT NO.
1001

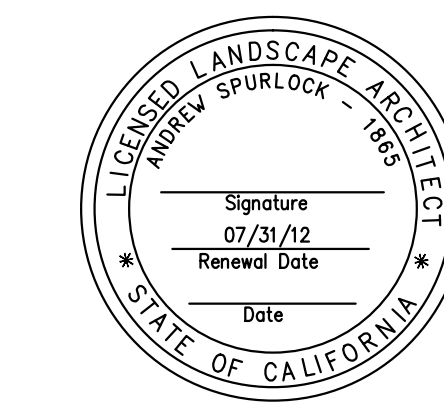
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SPURLOCK POIRIER
LANDSCAPE ARCHITECTS

257 Hancock Street
San Diego, CA 92101
619.581.0292
619.581.0296 fax



CONSULTANT



1437 4TH STREET, SUITE 300
SANTA MONICA, CA 90401
TEL. (310) 458-2205
FAX. (310) 399-1541
architecture@smgov.net

SUBMITTED BY: _____ DATE: _____ 20__

APPROVED BY: _____ DATE: _____ 20__
Miriam Mulder,
Architecture Services Manager

CITY OF SANTA MONICA
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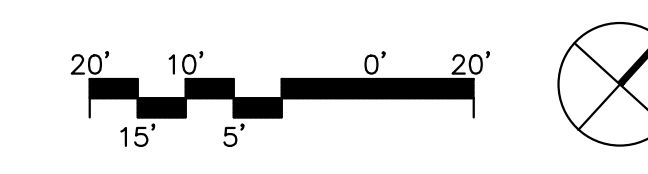
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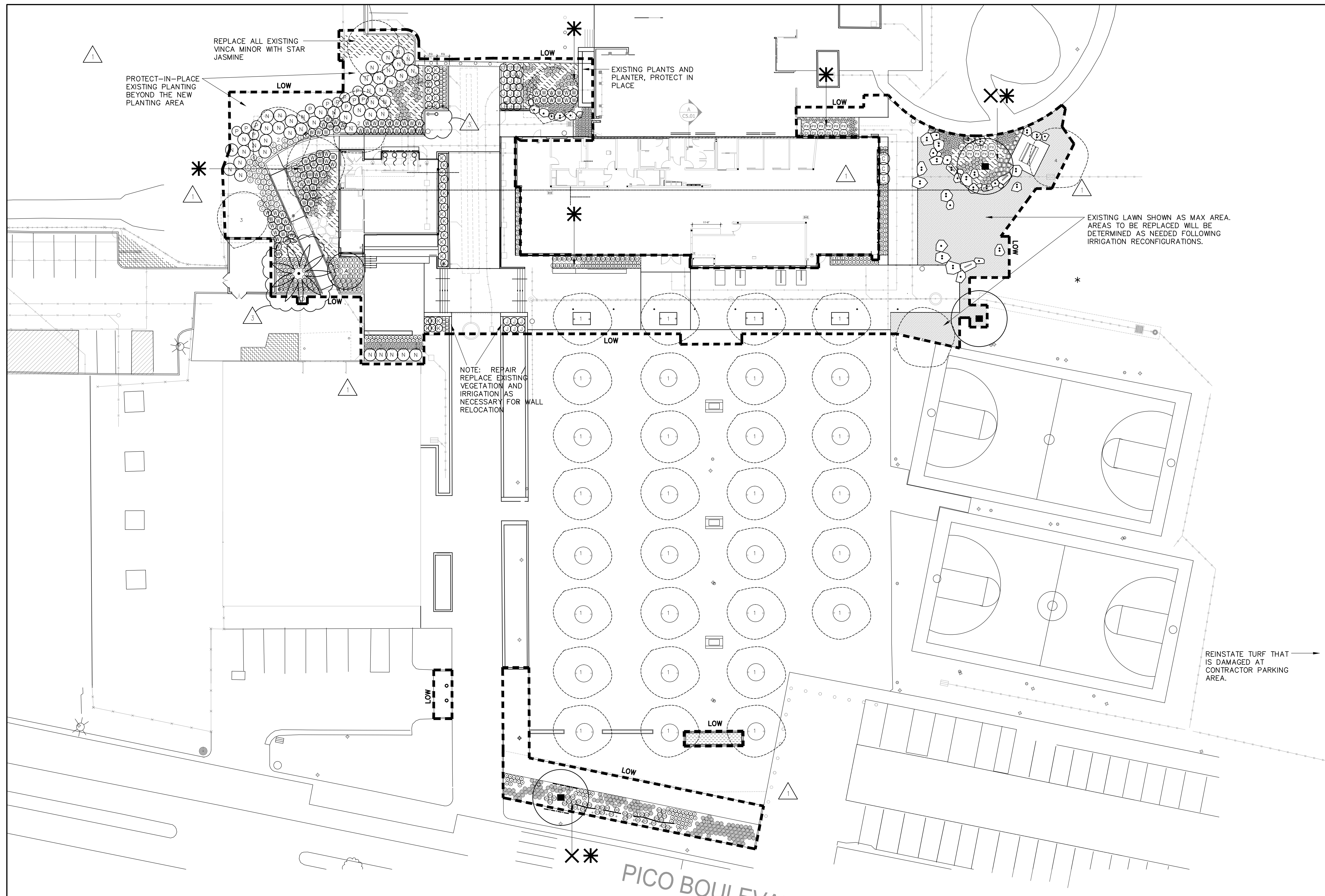
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SHEET TITLE
Tree Protection Plan

SHEET NO.
L3.00





PLANT LEGEND

SYMBOL	TREES	COMMON NAME
1	EXISTING CINNAMOMUM CAMPHORA	CAMPHOR TREE
2	EXISTING PINUS CANARIENSIS	CANARY ISLAND PINE
3	EXISTING PODOCARPUS GRACILIOR	FERN PINE
4	EXISTING OTHER TREES	
■	METROSIDEROS EXCELSUS	NEW ZEALAND CHRISTMAS TREE
☼	RELOCATED CANARY ISLAND PALM	

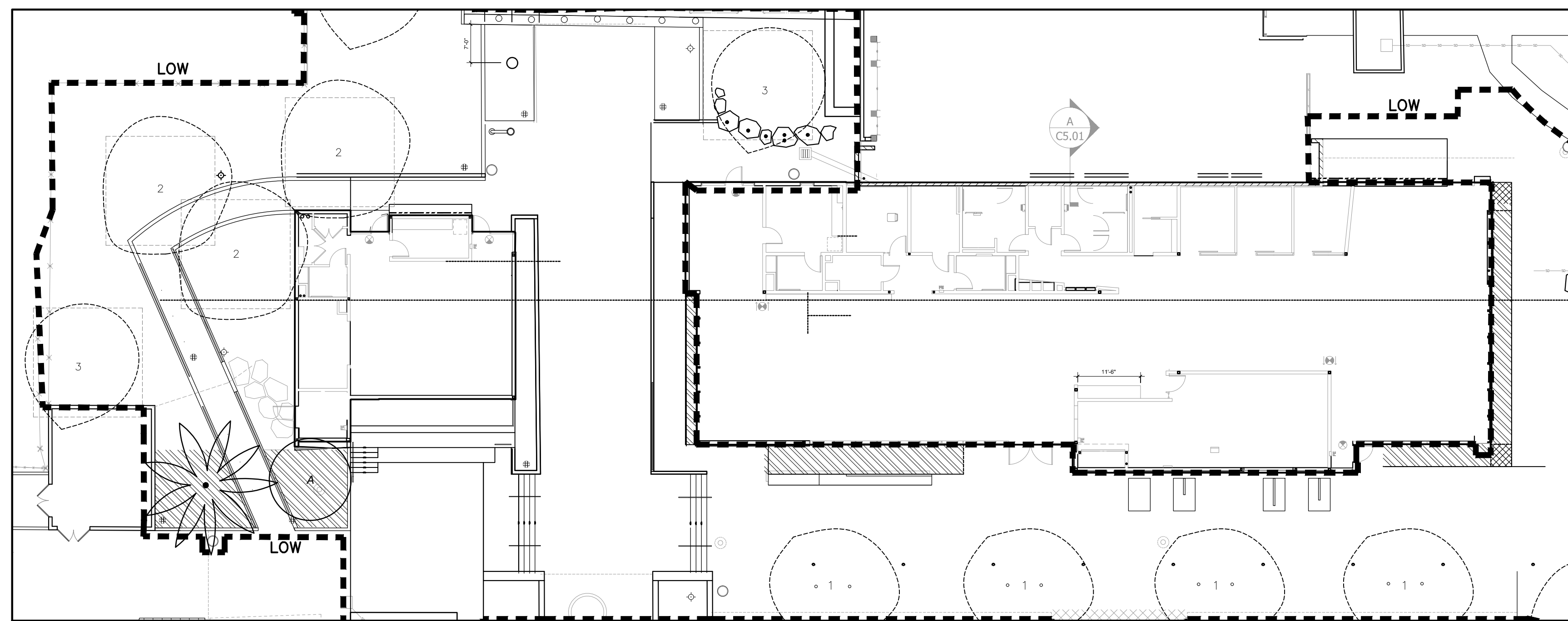
SYMBOL	SHRUBS	COMMON NAME
Ⓚ	ACALYPHA WILKESIANA	COPPER PLANT
Ⓛ	ALOE THRAKSI	COASTAL TREE ALOE
ⓐ	DRACAENA MARGINATA	RED EDGED DRACAENA
Ⓝ	PHILODENDRON SELLOUM	SPLIT-LEAF PHILODENDRON
Ⓞ	PHILODENDRON X 'XANADU'	XANADU DWARF PHILODENDRON

SYMBOL	PERENNIAL, GRASSES, AND GROUNDCOVERS	COMMON NAME
Ⓜ	AEONIUM 'ALICE KECK PARK'	NCN
Ⓢ	ANIGOZANTHOS FLAVIDUS 'YELLOW GEM'	YELLOW KANGAROO PAW
Ⓣ	CANNA X GENERALIS 'BLACK KNIGHT'	CANNA LILY
Ⓤ	CLIVIA MINIATA 'MONYA'	CLIVIA
Ⓟ	DESCHAMPSIA CESPITOSA	TUFTED HAIR GRASS
Ⓠ	LIRIOPE GIGANTEA	GIANT LILYTURF
Ⓡ	NEPHROLEPIS EXALTATA	SWORD FERN
Ⓢ	PHORMIUM COOKIANUM 'EMERALD GEM'	DWARF GREEN NEW ZEALAND FLAX
Ⓣ	PHORMIUM COOKIANUM 'JESTER'	FIESTA NEW ZEALAND FLAX
Ⓤ	PHORMIUM TENAX 'BRONZE BABY'	BRONZE BABY FLAX
Ⓟ	MISCANTHUS TRANSMORRISONENSIS	EVERGREEN SILVER GRASS
Ⓠ	SANSEVERIA TRIFASCIATA 'LAURENTII'	VARIEGATED SNAKE PLANT
Ⓡ	TRACHELOSPERMUM JASMINOIDES	STAR JASMINE
Ⓢ	WOODWARDIA FIMBRIATA	GIANT CHAIN FERN

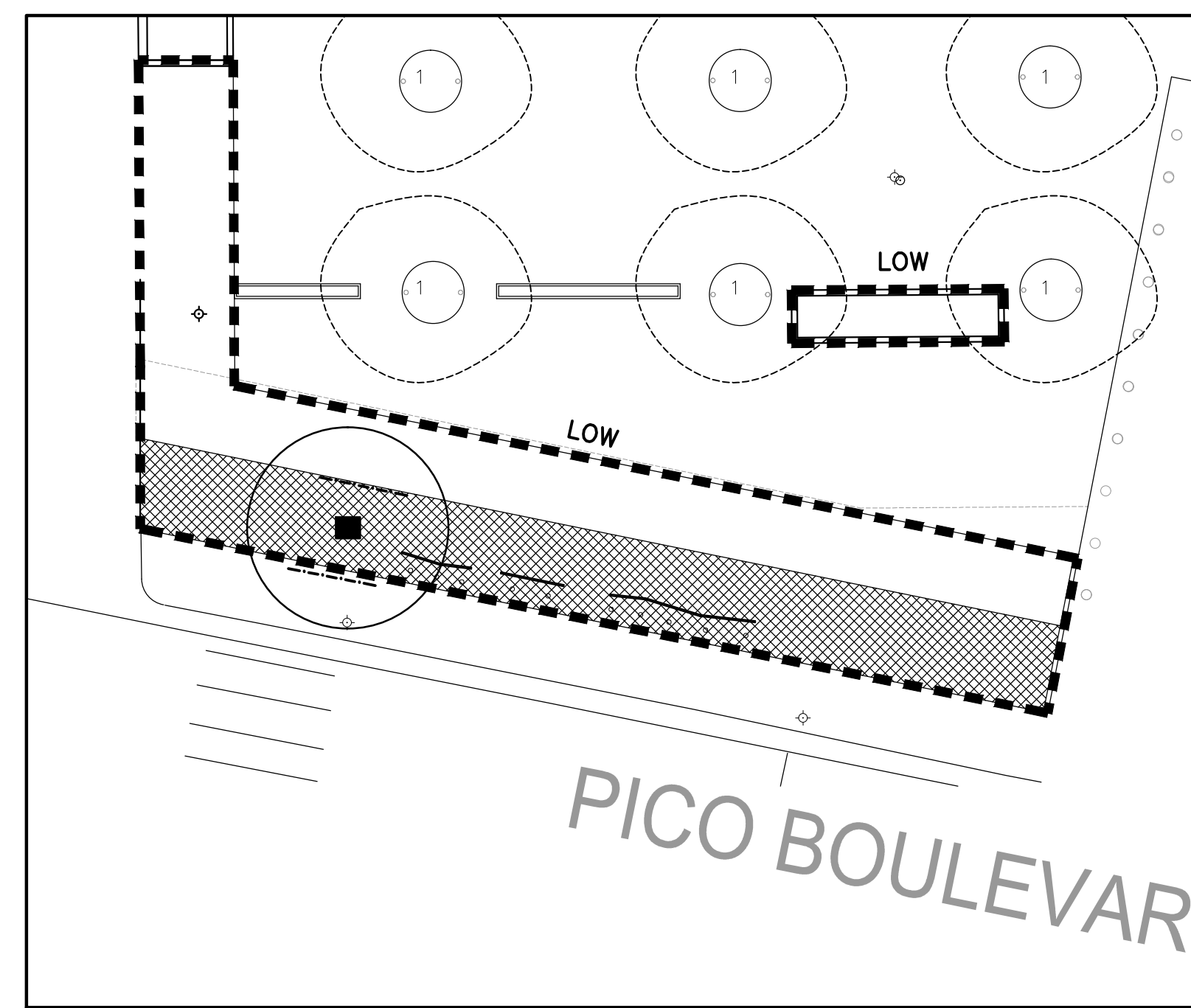
SYMBOL	OTHER	
Ⓛ	LONICERA JAPONICA 'HALLIANA'	HALL'S HONEYSUCKLE
Ⓜ	CYNODON DACTYLON 'TIFWAY 2'	REPLACE AS NECESSARY FOLLOWING IRRIGATION RECONFIGURATION
Ⓨ	FARMER'S MARKET GARDEN	TO BE PLANTED AND MAINTAINED BY THE FARMER'S MARKET
Ⓩ	REPAIR EXISTING PLANTING + IRRIGATION TO MATCH EXISTING	AT DISTRBED AREAS
---	LIMIT OF WORK	

NOTE: PLANTING ON TOP OF EXISTING ROOT BALL SHALL BE DONE BY HAND AND WITHOUT DAMAGING THE TREE ROOTS

GRAVEL MULCH AREA 1



GRAVEL MULCH AREA 2

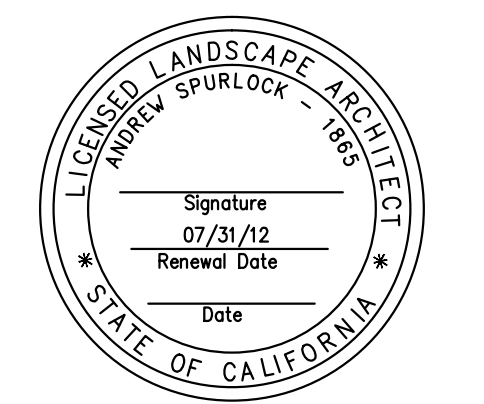


MULCH LEGEND

SYMBOL	DESCRIPTION		
NOTE:	3" LAYER BARK MULCH AT ALL PLANTING AREAS UNLESS NOTED OTHERWISE	GORILLA HAIR REDWOOD BARK MULCH	
Ⓜ	2" LAYER OF 1" CRUSHED AGGREGATE	SOUTHWEST BOULDER (800) 523-9992	SOUTHWEST BROWN
Ⓨ	3" LAYER OF 2-4" CRUSHED AGGREGATE	SOUTHWEST BOULDER (800) 523-9992	SOUTHWEST BROWN

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257 Hancock Street
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619.581.0290
619.581.0296 fax



CONSULTANT

City of Santa Monica
Architecture Services
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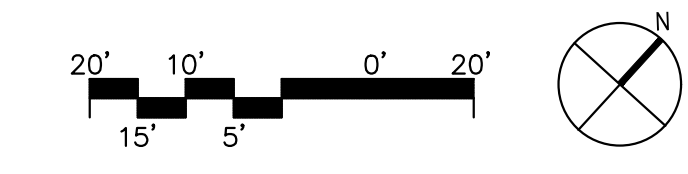
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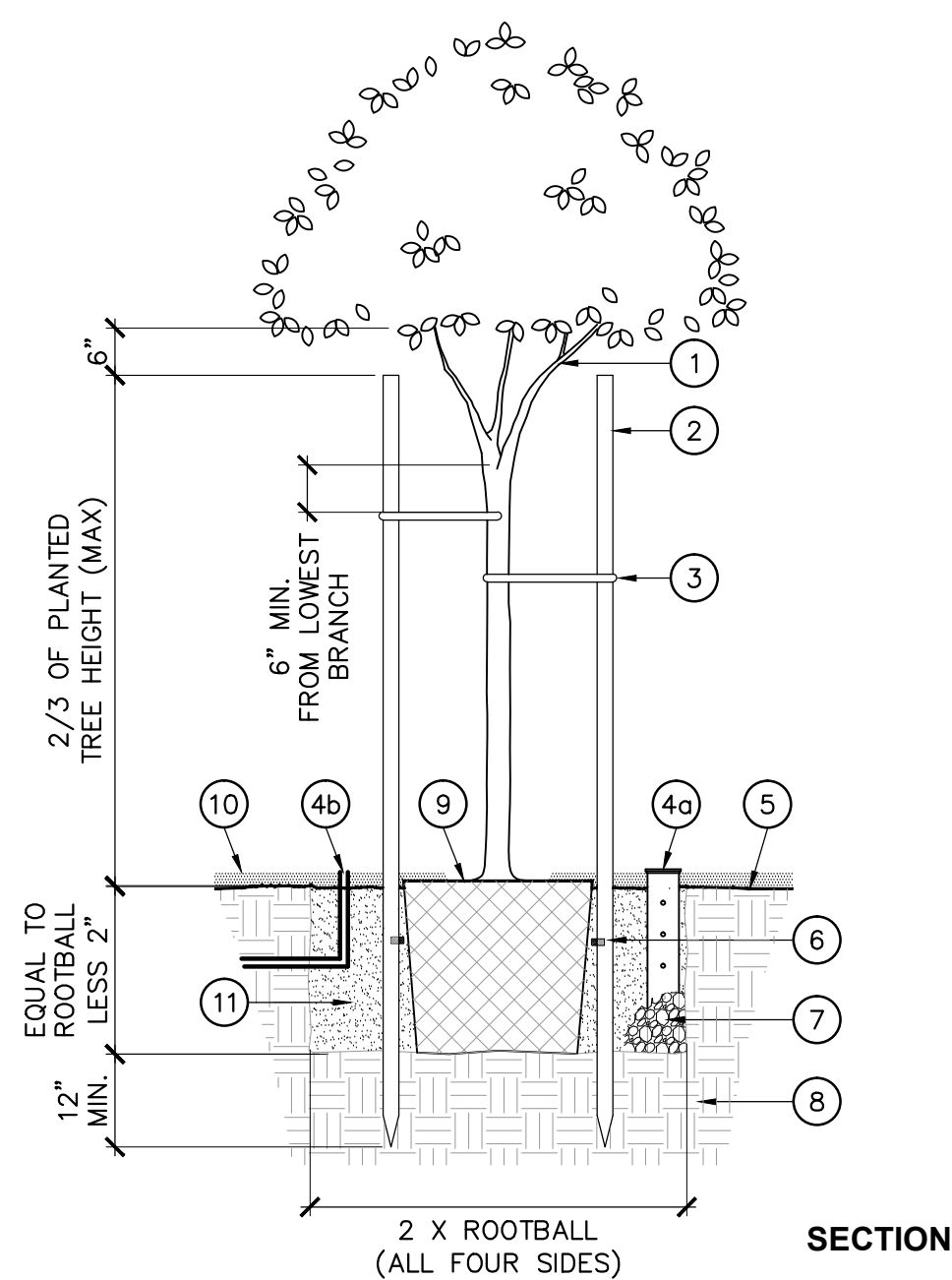
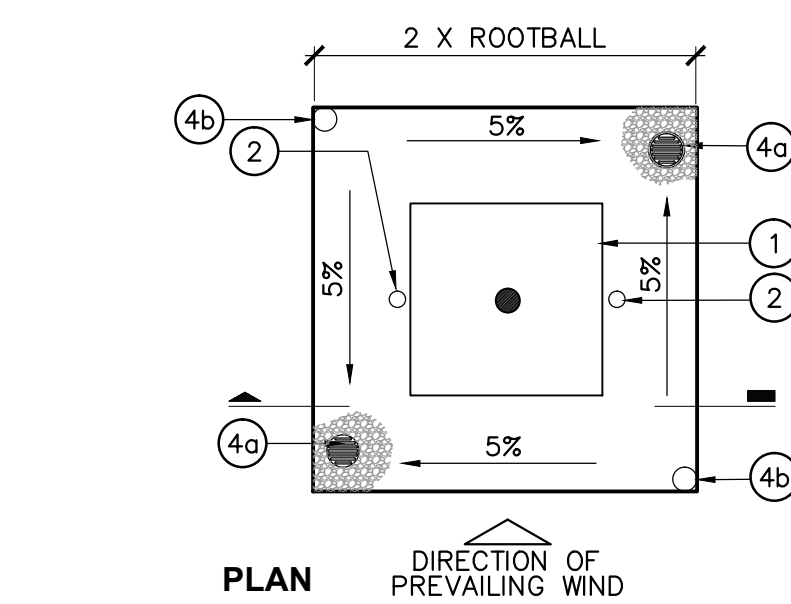
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SHEET TITLE
Planting Plan



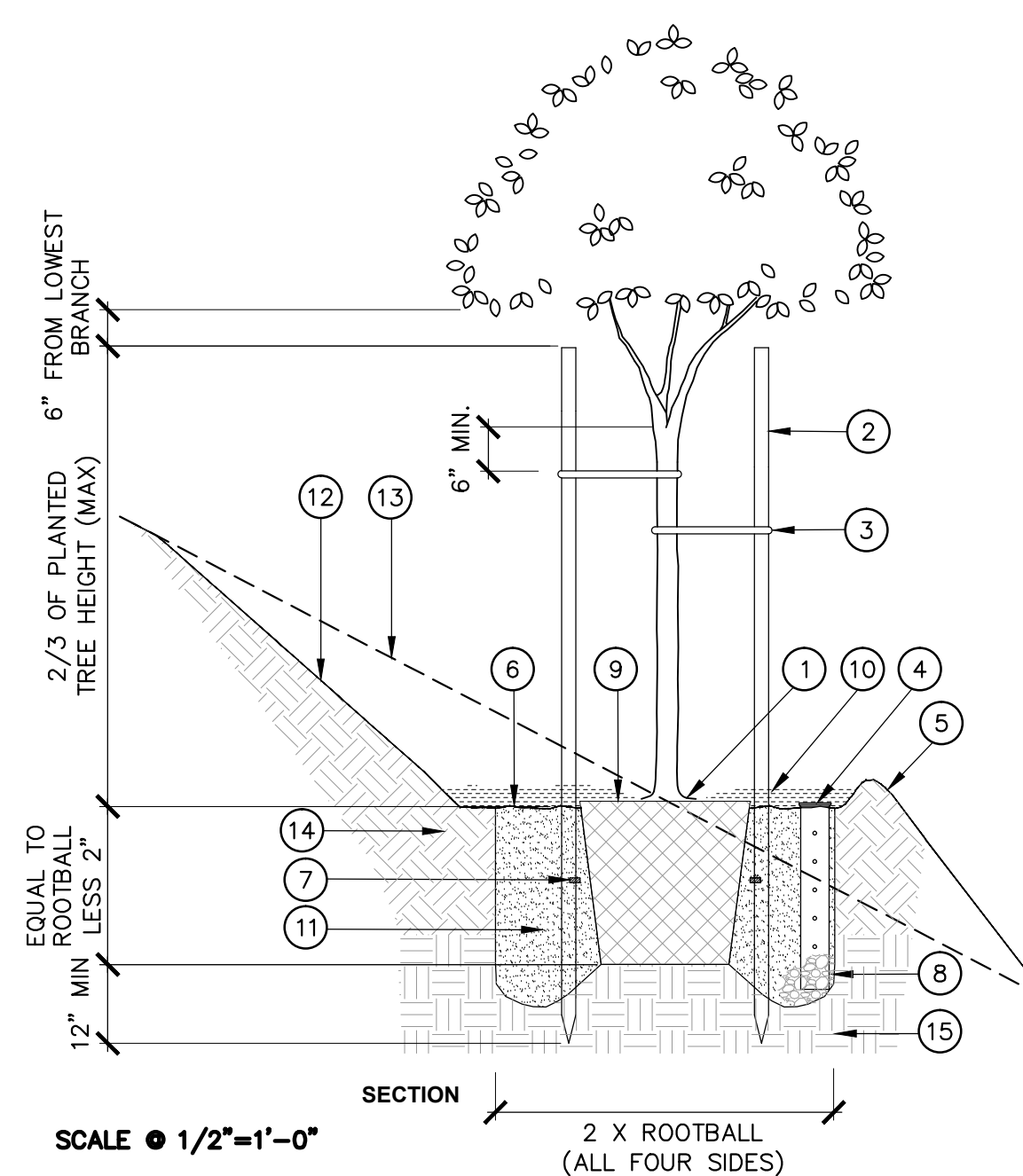
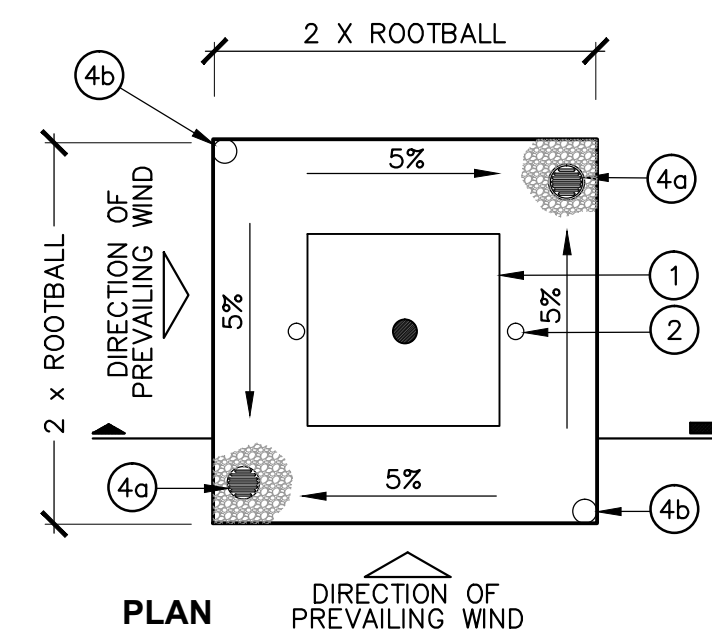


- 1 TREE AND ROOTBALL
- 2 TREE STAKES (2); LOCATE ON WINDWARD SIDE OF TREE
- 3 TREE TIES PER SPECIFICATIONS
- 4a (2) 4" DIA. AERATION/BREATHER TUBES WITH GRATE CAPS PER SPECS. WRAP PIPE IN FILTER FABRIC SOCK, KNOTTED AT THE TOP. LEAVE AERATION TUBE HOLLOW.
- 4b (2) IRRIGATION BUBBLERS; REFER TO IRRIGATION PLANS. AERATION TUBES AND BUBBLERS SHALL BE SYMMETRICAL
- 5 FINISH GRADE
- 6 PLANT TABLETS PER SPECIFICATIONS 6" BELOW GRADE.
- 7 1 CU. FT. CRUSHED AGGREGATE
- 8 SUBGRADE
- 9 SET ROOTBALL @ 2" ABOVE FINISH GRADE
- 10 MULCH PER SPECIFICATIONS
- 11 PLANTING BACKFILL MIX PER SPECIFICATIONS

- NOTES:
1. REFER TO PLANTING SPECIFICATION FOR ADDITIONAL INFORMATION
 2. DETAIL SHOWS A 24 GALLON TREE, MODIFY DETAIL IF LARGER TREE IS PROPOSED
 3. KEEP MULCH 4"-6" AWAY FROM TRUNK & TAPER @ ROOTBALL
 4. MINIMUM BRANCHING HEIGHT 72" ABOVE ACCESSIBLE SURFACE

1 TREE ON GRADE

1/2" = 1'-0"

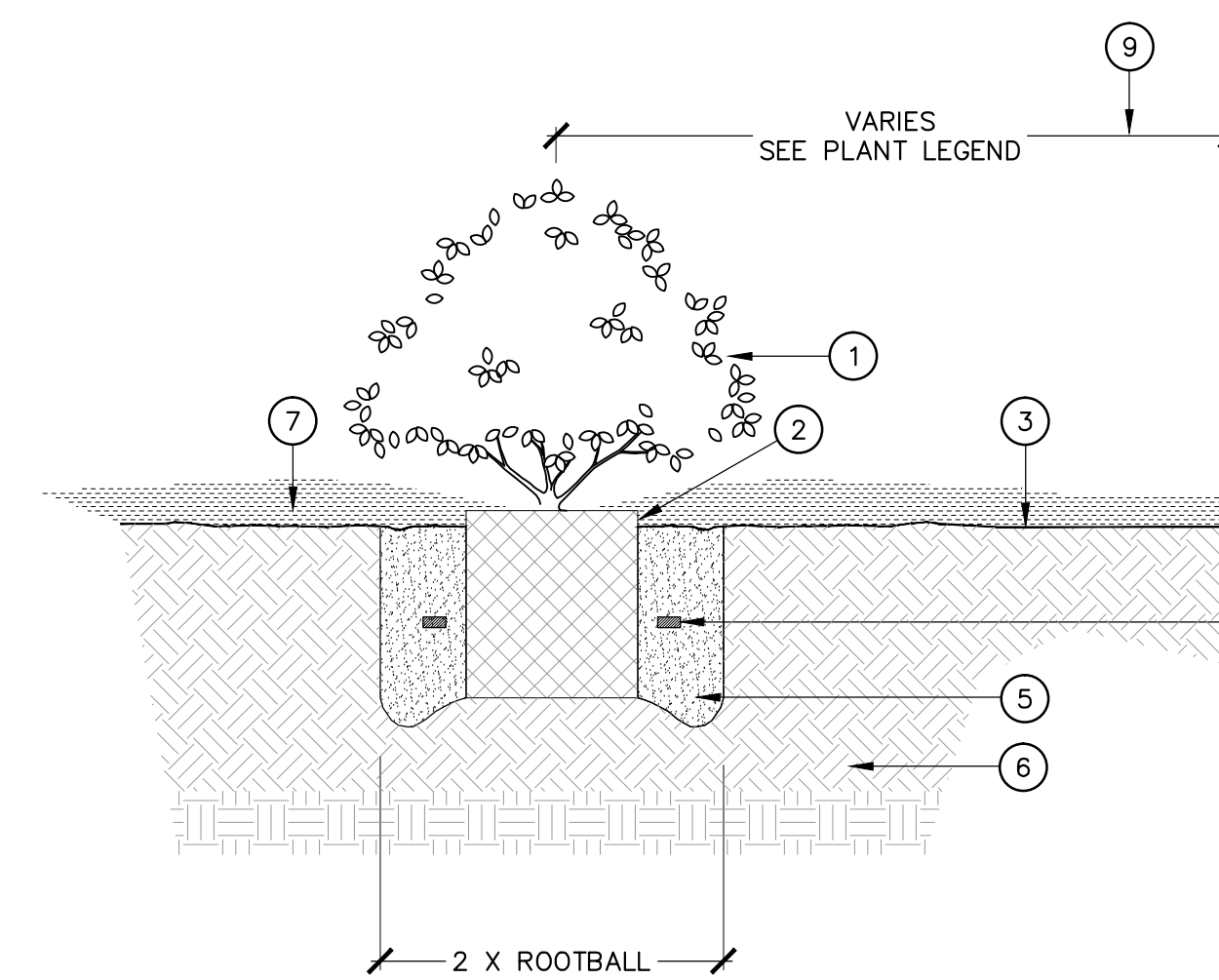


- 1 TREE AND ROOTBALL
- 2 TREE STAKES (2); LOCATE ON WINDWARD SIDE OF TREE
- 3 TREE TIES PER SPECIFICATIONS
- 4a (2) 4" DIA. AERATION/ BREATHER TUBES WITH GRATE CAPS PER SPECS. WRAP PIPE IN FILTER FABRIC SOCK, KNOTTED AT THE TOP. LEAVE AERATION TUBE HOLLOW.
- 4b (2) IRRIGATION BUBBLERS; REFER TO IRRIGATION PLANS. AERATION TUBES AND BUBBLERS SHALL BE SYMMETRICAL
- 5 4" HIGH EARTH BERM @ EDGE OF PLANT PIT, FIRMLY COMPACTED.
- 6 FINISH GRADE
- 7 PLANT TABLETS PER SPECIFICATIONS 6" BELOW GRADE
- 8 1 CU. FT. CRUSHED AGGREGATE
- 9 SET ROOTBALL @ 2" ABOVE FINISH GRADE
- 10 MULCH PER SPECIFICATIONS
- 11 PLANTING BACKFILL MIX PER SPECIFICATIONS
- 12 LAYBACK SLOPE BEHIND PLANT PIT AS NEEDED TO PREVENT SOIL SLUFFING.
- 13 LINE OF SLOPE BEYOND/ OR EXISTING SLOPE
- 14 RIPPED AND RECOMPACTED SUBGRADE PER SPECIFICATIONS

- NOTES:
1. REFER TO PLANTING SPECIFICATION FOR ADDITIONAL INFORMATION
 2. DETAIL SHOWS A 24 GALLON TREE, MODIFY DETAIL IF LARGER TREE IS PROPOSED
 3. KEEP MULCH 4"-6" AWAY FROM STEMS & TAPER @ ROOTBALL
 4. MINIMUM BRANCHING HEIGHT 80" ABOVE ACCESSIBLE SURFACE

2 TREE ON SLOPE

1/2" = 1'-0"



- 1 SHRUB
- 2 SET ROOTBALL @ 2" ABOVE FINISH GRADE
- 3 FINISH GRADE
- 4 PLANT TABLETS PER SPECIFICATIONS 6" BELOW GRADE
- 5 PLANTING BACKFILL MIX PER SPECS.
- 6 RIPPED AND RECOMPACTED SUBGRADE PER SPECS
- 7 MULCH PER SPECIFICATIONS
- 8 ADJACENT PAVING SURFACE
- 9 OFFSET FROM EDGE OF PAVING. SEE PLANT LEGEND FOR OFFSET DISTANCE.

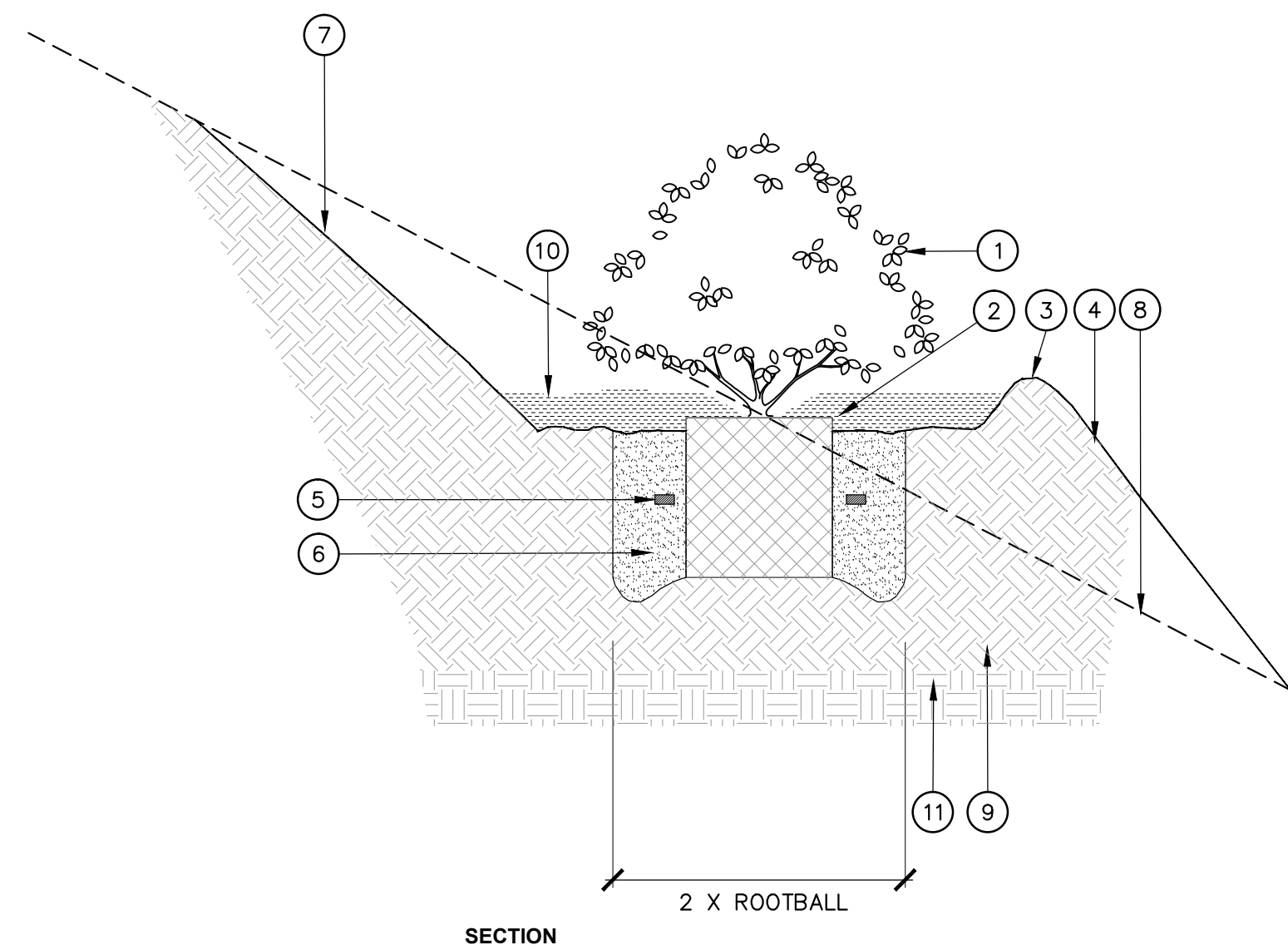
- NOTES:
1. REFER TO PLANTING SPECIFICATION FOR ADDITIONAL INFORMATION
 2. DETAIL SHOWS A 5 GALLON ROOTBALL
 3. KEEP MULCH 4"-6" AWAY FROM STEMS & TAPER @ ROOTBALL

3 SHRUB ON GRADE

1" = 1'-0"

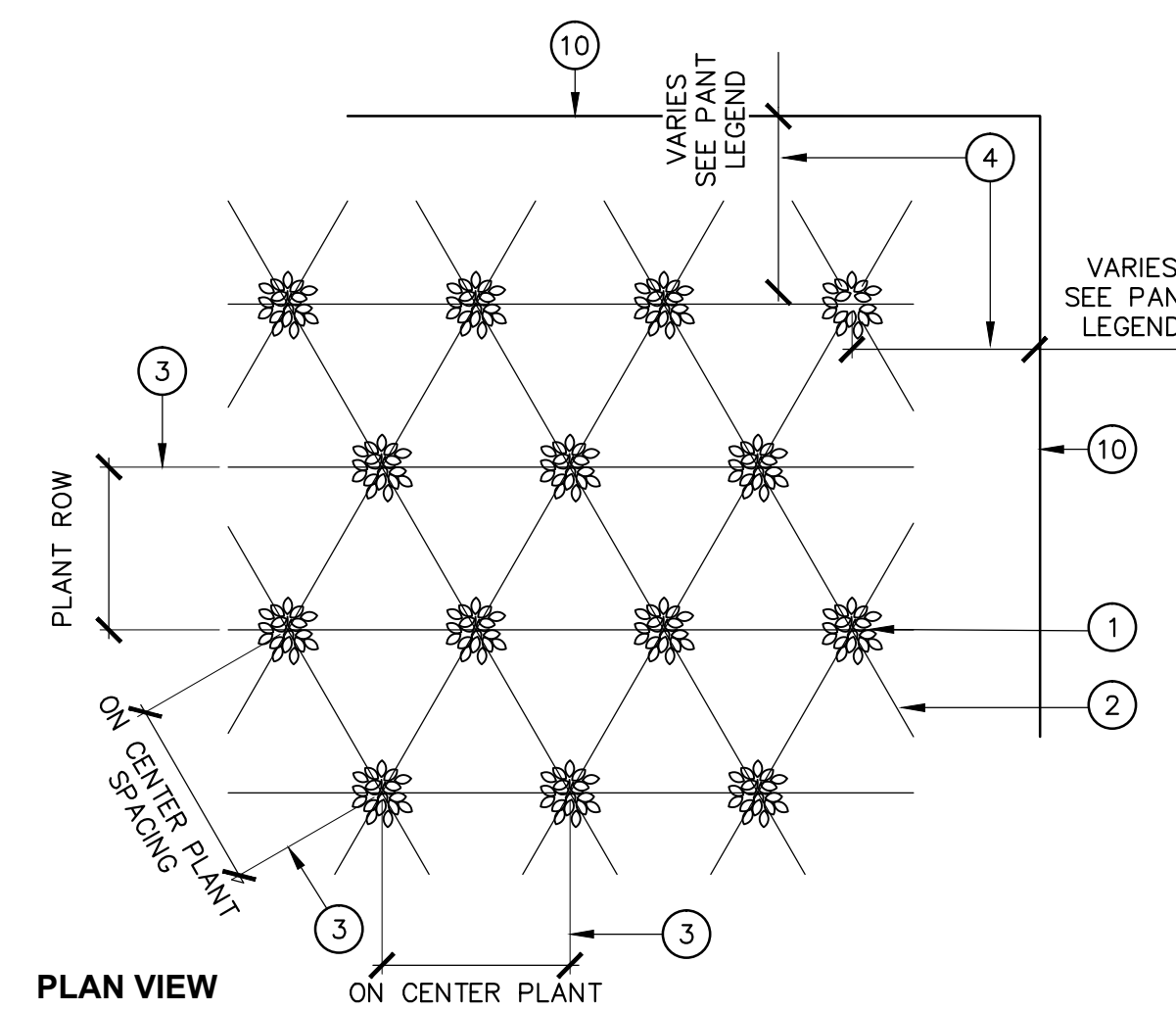
- 1 SHRUB
- 2 SET ROOTBALL CROWN 1" ABOVE FINISH GRADE, AT EXISTING SLOPE LEVEL.
- 3 4" HIGH EARTH BERM @ EDGE OF PLANT PIT, FIRMLY COMPACTED.
- 4 FINISH GRADE
- 5 PLANT TABLETS PER SPECS.
- 6 PLANTING BACK FILL MIX PER SPECIFICATIONS
- 7 LAYBACK SLOPE BEHIND PLANT PIT AS NEEDED TO PREVENT SOIL SLUFFING.
- 8 LINE OF SLOPE BEYOND/ OR EXISTING SLOPE.
- 9 RIPPED AND RECOMPACTED SUBGRADE PER SPECS.
- 10 MULCH PER SPECS.
- 11 COMPACTED SUBGRADE PER SPECS.

- NOTES:
1. REFER TO PLANTING SPECIFICATION FOR ADDITIONAL INFORMATION
 2. DETAIL SHOWS A 5 GALLON ROOTBALL
 3. KEEP MULCH 4"-0" AWAY FROM STEMS & TAPER @ ROOTBALL



4 SHRUB ON SLOPE

1" = 1'-0"

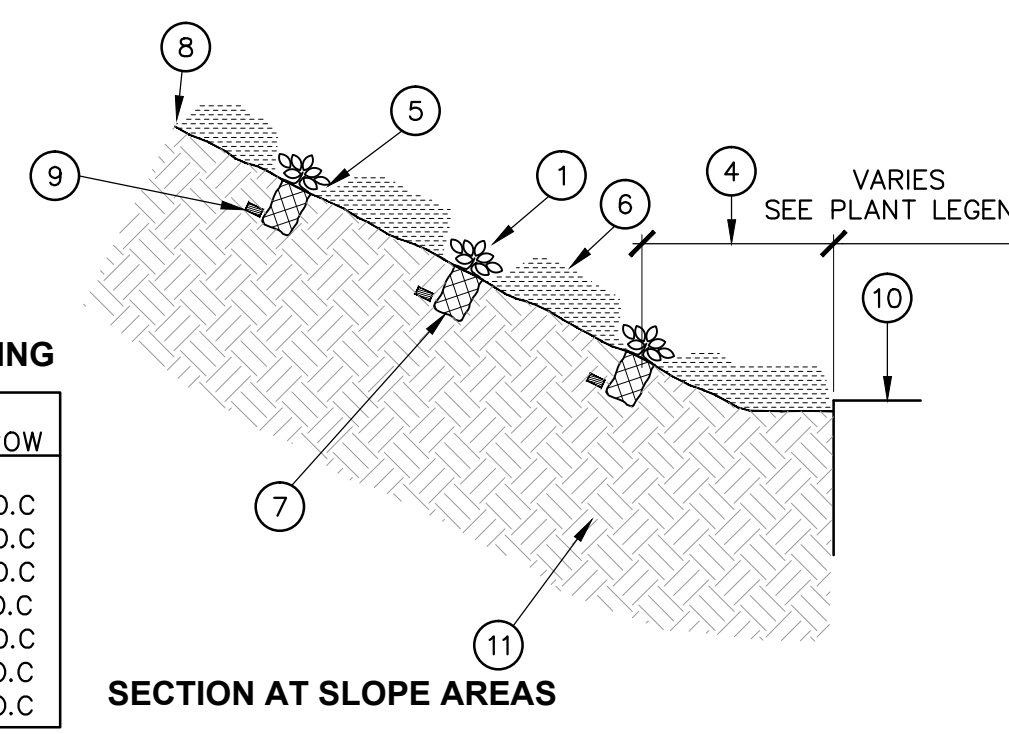
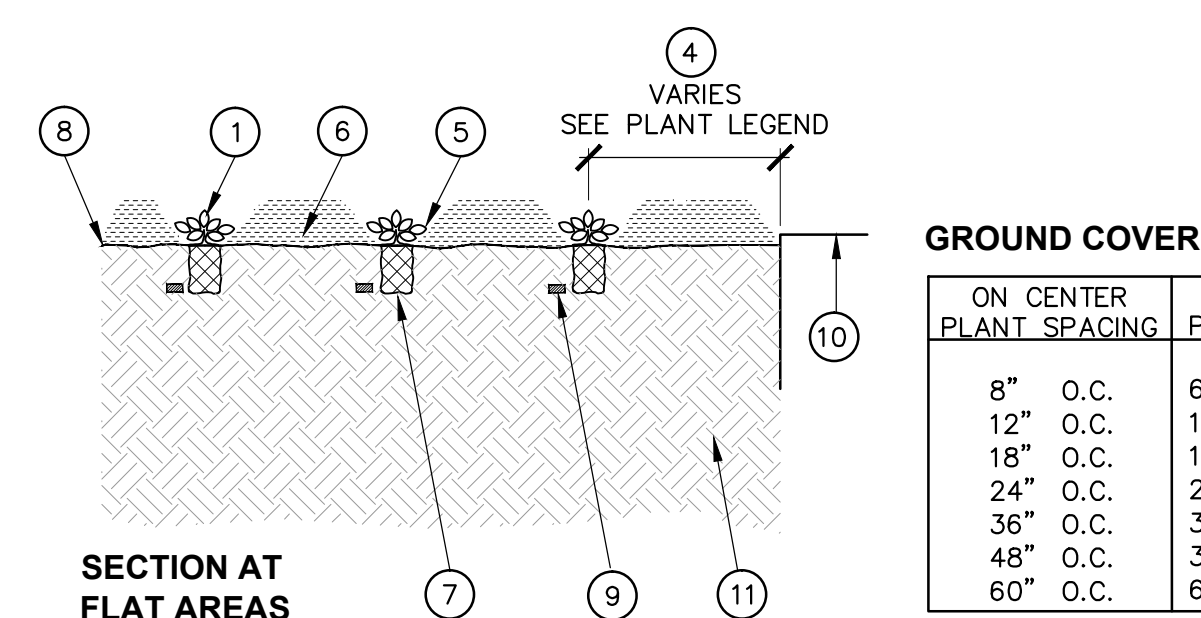


- 1 GROUNDCOVER PLANT
- 2 TRIANGULAR SPACING (TYP.)
- 3 ON CENTER PLANT SPACING & PLANT ROW, REFER TO GROUND COVER SPACING CHART BELOW.
- 4 OFFSET FROM EDGE OF PAVING VARIES. SEE PLANT LEGEND FOR SPECIFIC OFFSET DISTANCES.
- 5 SET ROOTBALL CROWN ABOVE FINISH GRADE
- 6 MULCH PER SPECIFICATIONS
- 7 ROOTBALL
- 8 FINISH GRADE
- 9 PLANT TABLETS PER SPECIFICATIONS
- 10 ADJACENT PAVING
- 11 SOIL PER SPECS

- NOTES:
- 1) REFER TO PLANTING SPECIFICATION FOR ADDITIONAL INFORMATION.
 - 2) KEEP MULCH 2" AWAY FROM STEMS & TAPER @ ROOTBALL

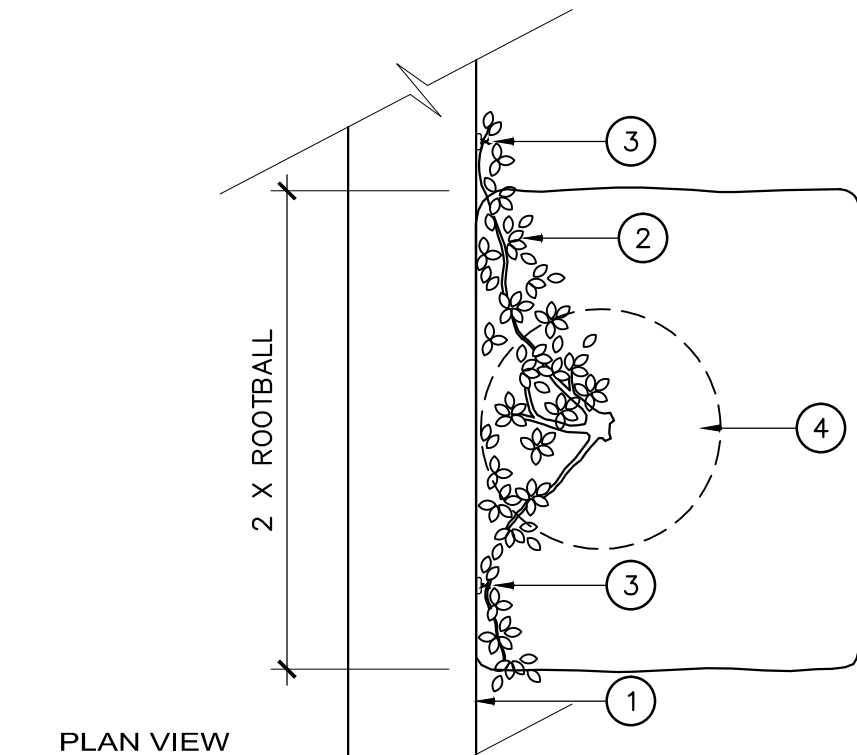
GROUND COVER SPACING

ON CENTER PLANT SPACING	PLANT ROW
6" O.C.	6.93" O.C.
12" O.C.	10.4" O.C.
18" O.C.	15.6" O.C.
24" O.C.	20.8" O.C.
36" O.C.	31.0" O.C.
48" O.C.	36.33" O.C.
60" O.C.	60.25" O.C.



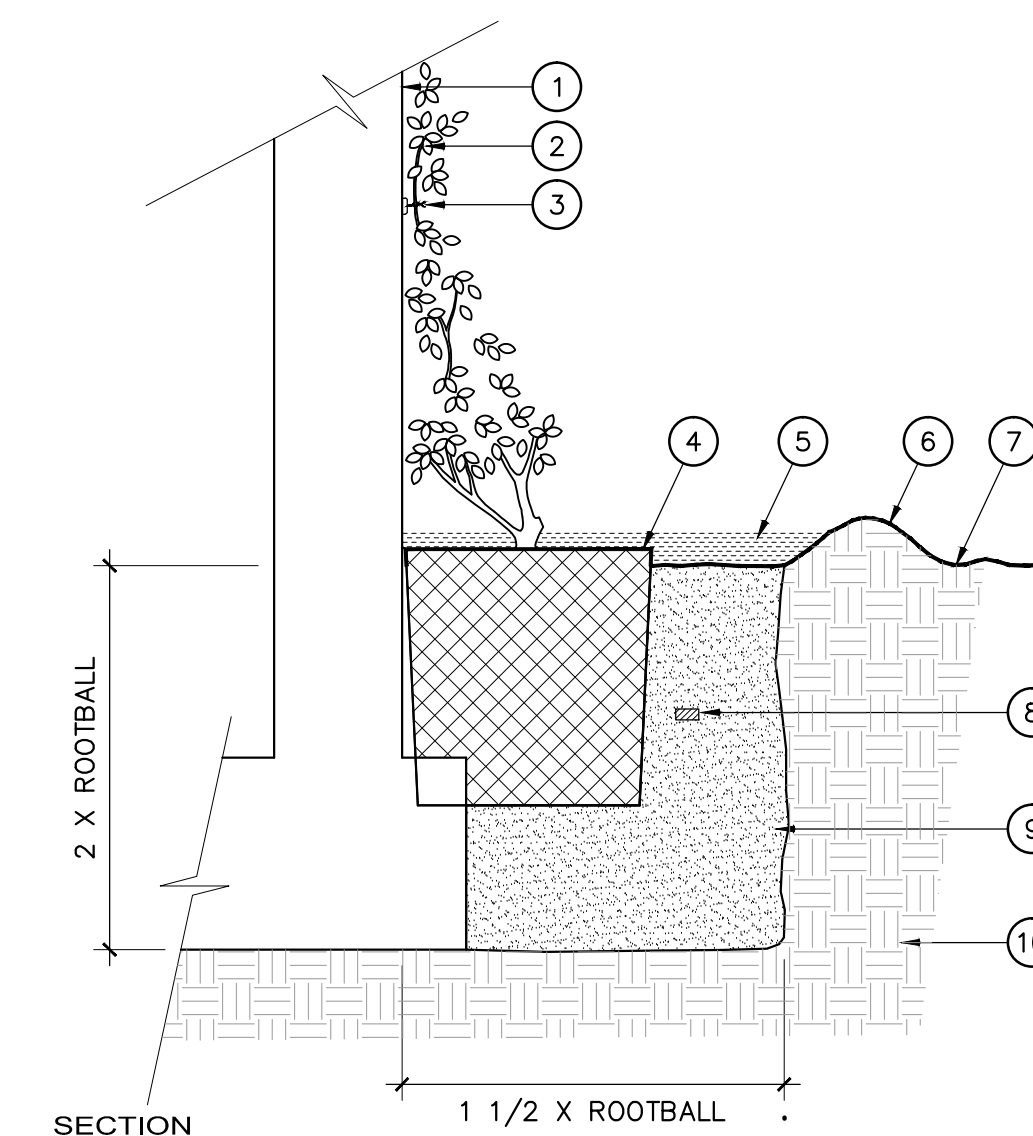
5 GROUNDCOVER

1" = 1'-0"



- 1 WALL, COLUMN, FENCE OR POST
- 2 VINE PER PLAN
- 3 VINE TIE PER SPECIFICATIONS
- 4 SET ROOTCROWN 1" ABOVE FINISH GRADE
- 5 MULCH PER SPECIFICATIONS
- 6 6" HIGH EARTH BERM
- 7 FINISH GRADE
- 8 PLANT TABLETS PER SPECIFICATIONS
- 9 PLANTING BACKFILL MIX PER SPECIFICATIONS
- 10 COMPACTED SUBGRADE PER CIVIL ENGINEER
- 11 PLANTING PIT

- NOTES:
- 1) REFER TO PLANTING SPECIFICATION FOR ADDITIONAL INFORMATION.
 - 2) KEEP MULCH 2" AWAY FROM STEMS & TAPER @ ROOTBALL



6 VINE PLANTING

1" = 1'-0"

PICO BRANCH LIBRARY
2201 Pico Blvd.
Santa Monica, CA 90404

PROJECT
1454 25th St, Santa Monica, CA 90404
310.828.6131 info@kearch.com
310.828.0719 fax www.kearch.com

ARCHITECTS PROJECT NO. **1001**

ARCHITECT
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SPURLOCK POIRIER
LANDSCAPE ARCHITECTS

257 Hancock Street
San Diego, CA 92101
619.581.0590
619.581.0596 fax

STATE OF CALIFORNIA
LICENSED LANDSCAPE ARCHITECT
MIRIAM SPURLOCK
Signature: 07/31/12
Renewed: Date
Date

CONSULTANT
City of Santa Monica
Architecture Services
1437 4TH STREET, SUITE 300
SANTA MONICA, CA 90401
TEL. (310) 458-2205
FAX. (310) 399-1541
architecture@smgov.net

SUBMITTED BY: DATE: ____ 20__

APPROVED BY: DATE: ____ 20__
Miriam Mulder,
Architecture Services Manager
CITY OF SANTA MONICA
DEPARTMENT OF PUBLIC WORKS

REVIEWED BY: DATE: ____ 20__

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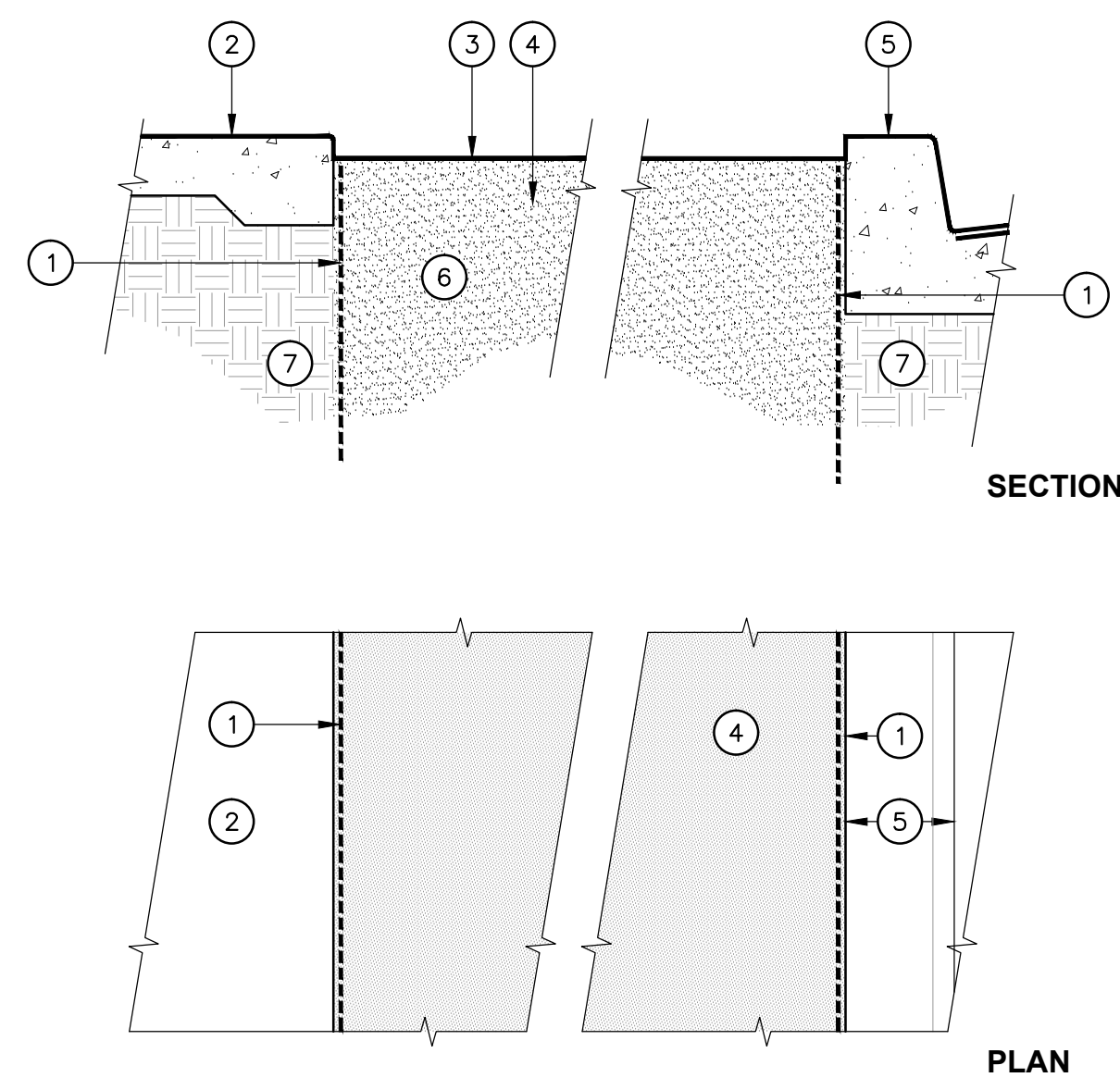
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NO.	DATE	BY	DESCRIPTION
Δ	06/20/12	100	C. DOCUMENTS
Δ	03/06/12		ADDENDUM 3
Δ	02/21/12		ADDENDUM 2

ISSUE
100% CONSTRUCTION DOCUMENTS
DATE: **06/20/2012**
DRAWING NO. **6693**

SHEET TITLE
Planting Details

SHEET NO. **L3.03**



- ① 24" HIGH ROOT BARRIER WHERE ABUTTING PAVING OR MOW EDGE 10' LENGTH TYPICAL
- ② CONCRETE PAVING
- ③ FINISH GRADE
- ④ PLANTING AREA
- ⑤ CONCRETE CURB
- ⑥ AMENDED BACKFILL MIX PER SPECIFICATION (AT LAWN AREAS ONLY - 12" DEPTH)
- ⑦ COMPACTED SUBGRADE PER GEOTECHNICAL REPORT

NOTES:

- 1. THIS ROOTBARRIER IS FOR USE IN ON-GRADE LANDSCAPE APPLICATIONS ONLY. REFER TO PLANTING SPECIFICATIONS FOR ROOT BARRIER PRODUCT AND SIZE.
- 2. REFER TO PLANS FOR SPECIFIC HARDSCAPE/BARRIER RELATIONSHIPS; DETAIL IS DIAGRAMMATIC.
- 3. TRIM TOP OF BARRIER TO BE 1/2" BELOW FINISHED GRADE.

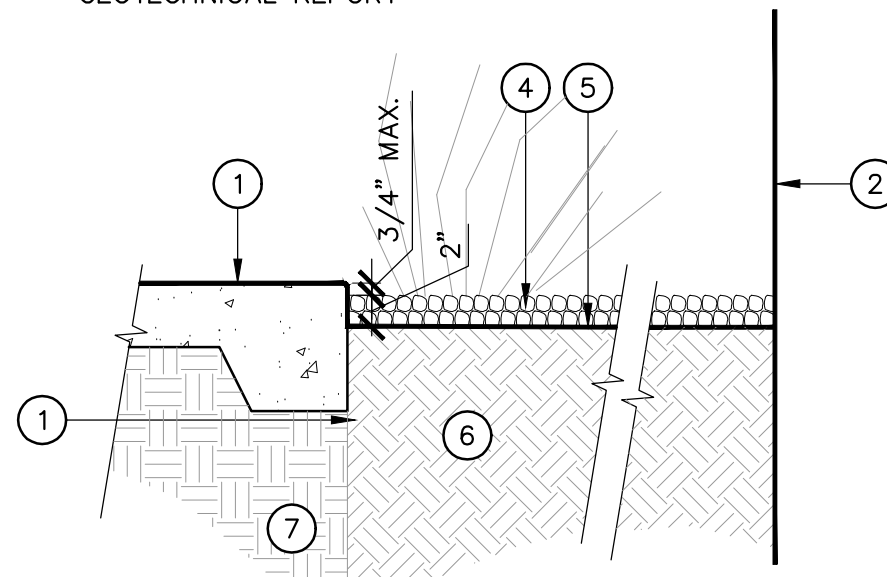
1 TREE ROOT BARRIER

1" = 1'-0"

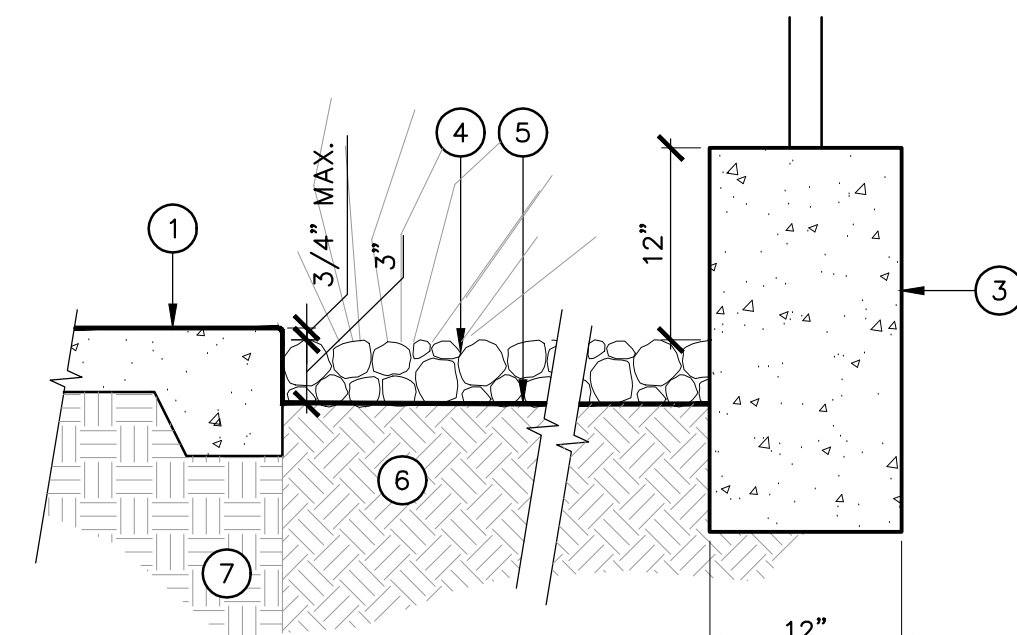
- ① CONCRETE PAVING ARCH PLAN
- ② BUILDING WALL
- ③ CONCRETE CURB W/ SIGNAGE WALL
- ④ CRUSHED AGGREGATE MULCH PER MULCH PLAN AND SPECIFICATIONS; TOP OF MULCH SHALL BE BETWEEN 1/4" AND 3/4" BELOW ADJACENT SURFACE OR HEADER
- ⑤ FINISH GRADE IN PLANTING AREA
- ⑥ AMENDED SOIL PER SPECS.
- ⑦ COMPACTED SUBGRADE PER GEOTECHNICAL REPORT

NOTES:

- 1. MULCH TYPE VARIES PER MULCH PLAN AND LEGEND.
- 2. MULCH DEPTH VARIES PER TYPE.



1" CRUSHED AGGREGATE MULCH



2"- 4" CRUSHED AGGREGATE MULCH

2 MULCH

1" = 1'-0"

PROJECT

KoningEisenbergArchitecture
1454 25th St, Santa Monica, CA 90404

310.828.6131 info@kearch.com
310.828.0719 fax www.kearch.com

ARCHITECTS PROJECT NO.

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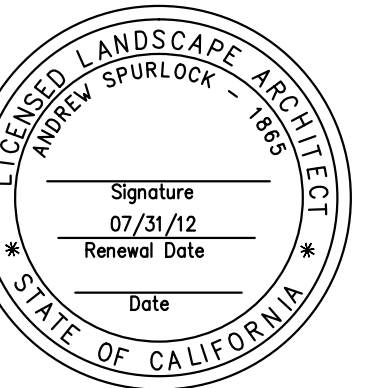
ARCHITECT

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SPURLOCK POIRIER
Landscape Architects

257 Hancock Street
San Diego, CA 92101
619.581.0590
619.581.0596 fax



CONSULTANT



1437 4TH STREET, SUITE 300
SANTA MONICA, CA 90401
TEL (310) 458-2205
FAX (310) 399-1541
architecture@smgov.net

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APPROVED BY: _____ DATE: ____/____/20__
Miriam Mulder,
Architecture Services Manager

CITY OF SANTA MONICA
DEPARTMENT OF PUBLIC WORKS

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REVISIONS			

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06/20/2012
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SHEET TITLE
Planting Details

SHEET NO.
L3.04