

FOOTHILL FARMS, CALIFORNIA CABANA PARK - PHASE 1

FEBRUARY 26, 2019



Callander Associates
Landscape Architecture

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Revisions

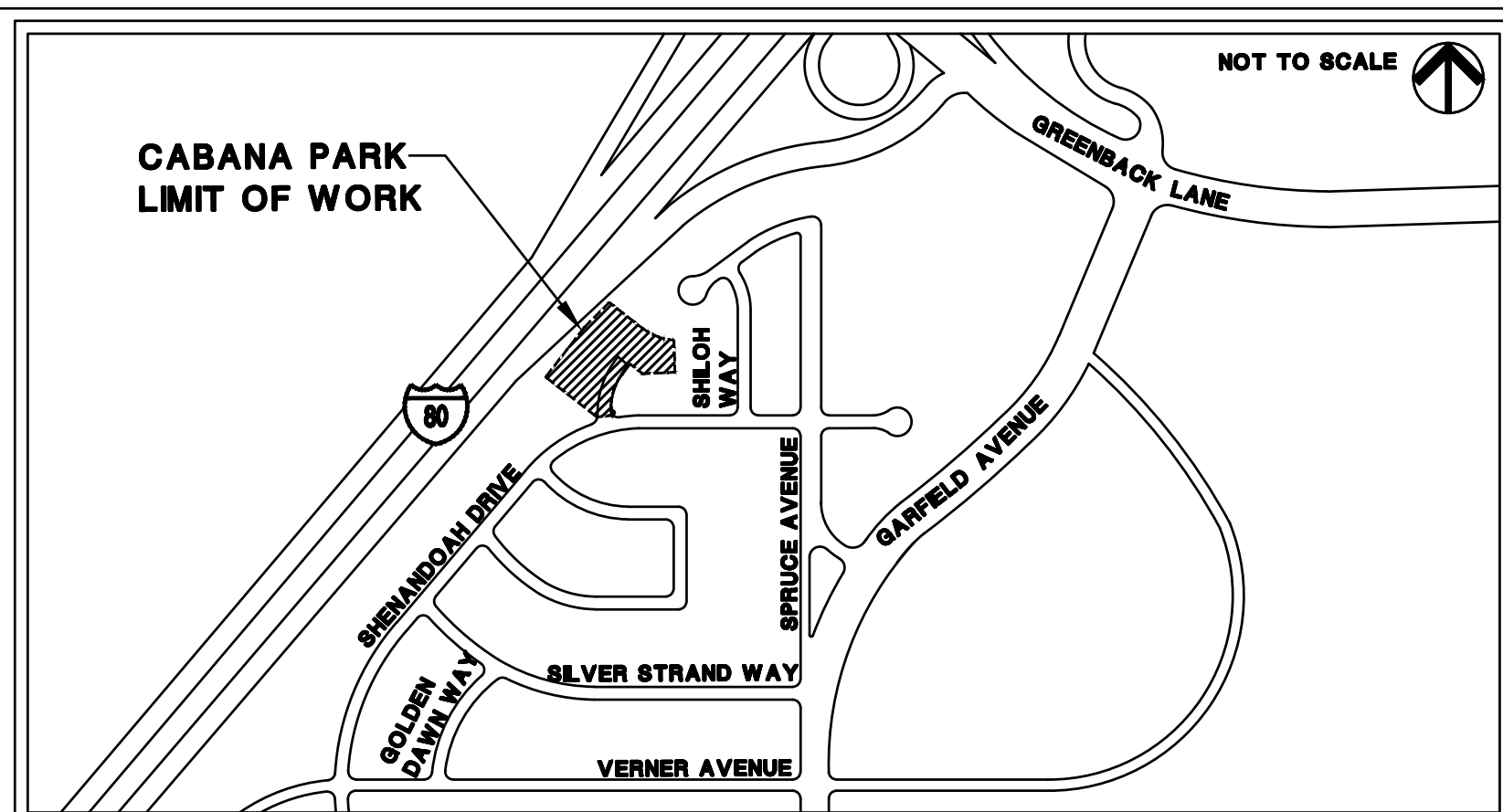
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VICINITY MAP



LOCATION MAP



PARCELS 220-0450-057 ADDRESS 6251 FREMONT CIRCLE
220-0450-026 SACRAMENTO, 95841
220-0450-025

PREPARED FOR

Sunrise Recreation and
Park District
7801 Auburn Blvd.,
Citrus Heights, CA 95610

PREPARED BY

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GENERAL NOTES

- DESIGN INTENT:** THESE DRAWINGS REPRESENT THE GENERAL DESIGN INTENT TO BE IMPLEMENTED ON THE SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING DISTRICT FOR ANY ADDITIONAL CLARIFICATION OR DETAILS NECESSARY TO ACCOMMODATE SITE CONDITIONS OR ARCHITECTURAL DETAILS.
- CONTRACTOR COORDINATION:** EACH CONTRACTOR SHALL COORDINATE AND OTHERWISE INTEGRATE WORK WITH THAT OF OTHERS IN AN EFFICIENT AND TIMELY MANNER SO AS TO PROVIDE THE SUNRISE RECREATION & PARK DISTRICT (DISTRICT) WITH A WELL-CONSTRUCTED, EASILY MAINTAINABLE PROJECT. EACH CONTRACTOR SHALL NOTIFY OTHERS AT LEAST TWO WORKING DAYS IN ADVANCE OF COVERING, COMPLETING, OR EXPOSING WORK TO BE INSTALLED BY OTHERS.
- DISTRICT COORDINATION:** THE DISTRICT IS RESPONSIBLE FOR INSTALLING ITEMS DESIGNATED AS "DISTRICT" IN THESE CONSTRUCTION DOCUMENTS. THIS INCLUDES A PORTION OF THE SITE CONSTRUCTION AND ELECTRICAL PLANS, ALL OF THE IRRIGATION AND PLANTING PLAN. SEE SHEET INDEX FOR REFERENCE. PLANS ARE INCLUDED IN THE SET FOR REFERENCE AND CONSTRUCTION SEQUENCING COORDINATION ONLY.
- CONTRACTORS' JOB SITE CONDITIONS:** CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR SITE CONDITIONS DURING CONSTRUCTION, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND THE LANDSCAPE ARCHITECT HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE LANDSCAPE ARCHITECT.
- COMPOSITE BASE SHEET:** THE PROPOSED IMPROVEMENTS SHOWN ON THESE DRAWINGS ARE SUPERIMPOSED ON A BASE SHEET. THIS BASE SHEET IS COMPILED FROM THE TOPOGRAPHIC SURVEY, OTHER ARCHITECTURAL AND/OR ENGINEERING DOCUMENTS, AND OTHER DATA AS MADE AVAILABLE TO THE LANDSCAPE ARCHITECT. THIS BASE SHEET INFORMATION IS SHOWN IN HALF TONE ON THE PLANS. THE LANDSCAPE ARCHITECT SHALL NOT BE HELD LIABLE FOR CHANGES, INACCURACIES, OMISSIONS, OR OTHER ERRORS ON THESE DOCUMENTS. THE COMPOSITE BASE SHEET IS PROVIDED AS AN AID ONLY AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING THESE DOCUMENTS AND INCORPORATING/INTEGRATING ALL CONSTRUCTION AS REQUIRED TO ACCOMMODATE SAME.

THE BASE SHEET SOURCE FOR THESE DRAWINGS IS:
TOPOGRAPHY SURVEY PREPARED BY CTA, 10/30/18, 916-638-0919

- UTILITIES:** PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE UTILITY COMPANIES INVOLVED AND REQUESTING A VISUAL VERIFICATION OF THE LOCATIONS OF THEIR UNDERGROUND FACILITIES. THE UTILITY COMPANIES ARE MEMBERS OF THE UNDERGROUND SERVICE ALERT (U.S.A.) ON-CALL PROGRAM. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY MEMBERS OF THE U.S.A. 48 HOURS IN ADVANCE OF PERFORMING EXCAVATION WORK BY CALLING THE TOLL-FREE NUMBER (800) 642-2444. EXCAVATION IS DEFINED AS BEING 18 OR MORE INCHES IN DEPTH BELOW THE EXISTING SURFACE.

KNOWN UTILITIES ON SITE:
- AT&T
- PG&E
- SMUD
- SACRAMENTO COUNTY SEWER
- CAL AMERICAN WATER

THE CONTRACTOR IS CAUTIONED THAT ONLY EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATION, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. HOWEVER, THE CONSULTANT CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH ARE NOT SHOWN ON THESE DRAWINGS.

- TREE PROTECTION AND MAINTENANCE REQUIREMENTS:** ALL TRENCHING WITHIN THE DRIPLINE OF EXISTING TREES TO REMAIN SHALL BE BY HAND, WITH CARE TAKEN NOT TO CUT OR DAMAGE ROOTS OVER 1-INCH DIAMETER. TREES TO REMAIN SHALL BE FENCED WITH TEMPORARY FENCING, SUCH AS STEEL STAKES (MAX. 5 FEET O.C.) WITH WIRE MESH FABRIC (6X6 OPEN), CHAINLINK, OR SIMILAR, HEIGHT TO BE 5 FEET MINIMUM.

- SEE THE GENERAL PROVISIONS, SPECIAL PROVISIONS, GENERAL REQUIREMENTS, AND TECHNICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.** TECHNICAL SPECIFICATIONS ARE AN INTEGRAL PART OF THESE DRAWINGS. UPON GIVING A BID PRICE, IT IS ASSUMED THAT THE CONTRACTOR IS FAMILIAR WITH THE PROJECT SITE CONDITIONS AND HAS READ AND UNDERSTANDS ALL INFORMATION CONTAINED THEREIN. THE COUNTY OF SACRAMENTO STANDARD CONSTRUCTION SPECIFICATIONS, SEPTEMBER 2001, REVISED MARCH 2004, REVISED JANUARY 2008, 2010 & 2016 AVAILABLE FOR DOWNLOAD AT: WWW.SACCOUNTYSPECS.NET, ARE HEREBY MADE A PART OF THESE CONSTRUCTION DOCUMENTS.

SHEET INDEX

SHEET#	SHEET TITLE
1	COVER SHEET
2	SITE CONSTRUCTION PLAN
3	SITE CONSTRUCTION PLAN (DISTRICT)
4	IRRIGATION PLAN (DISTRICT)
5	PLANTING PLAN (DISTRICT)
6-10	CONSTRUCTION DETAILS (DISTRICT/CONTRACTOR, SEE SHEETS)
11	SUN SHELTER (DISTRICT)

CIVIL PLANS

C1.00	SITE DEMOLITION PLAN
C2.00	SITE UTILITY PLAN
C3.00	SITE GRADING PLAN
C4.00	EROSION CONTROL
C5.00	DETAILS
C5.01	DETAILS

ELECTRICAL PLANS

E1	LEGEND & DETAIL (DISTRICT/CONTRACTOR, SEE SHEETS)
E2	ELECTRICAL SITE PLAN (DISTRICT/CONTRACTOR, SEE SHEETS)

EXISTING CONDITIONS LEGEND

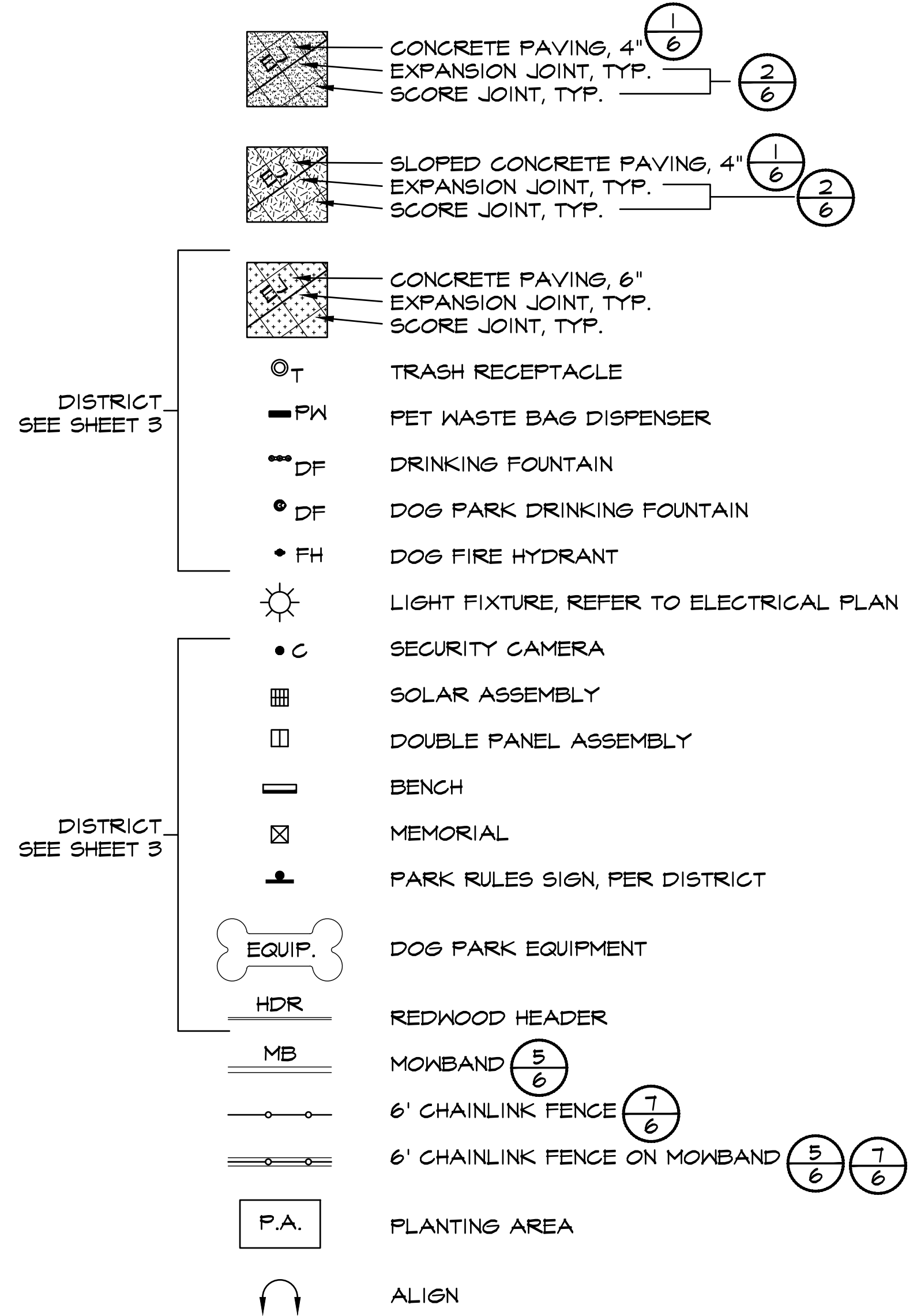
---	BOUNDARY
---	LOT LINES
---	R.O.W.
-X-	FENCE
	WALL
—W—	WATER LINE
—SS—	SANITARY SEWER LINE
—E—	ELECTRICAL LINE
—G—	GAS LINE
---	IRRIGATION MAINLINE
⊗	LIGHT
⊞	DRAIN INLET
⊞	SEWER MANHOLE
⊞	DRAIN MANHOLE
⊞	WATER VALVE
⊞	GAS VALVE
⊞	PULL BOX
⊞	SIGN
⊞	WATER METER
⊞	TREE
⊞	SEWER CLEANOUT
---	LIMIT OF WORK LINE

BID SET

COVER SHEET
CABANA PARK - PHASE 1
FOOTHILL FARMS, CALIFORNIA

Date	02/26/2019
Scale	
Drawn By	KM
Checked	MR
Project No.	18071
Cadd File	
Sheet No.	1
of	19

SITE CONSTRUCTION LEGEND



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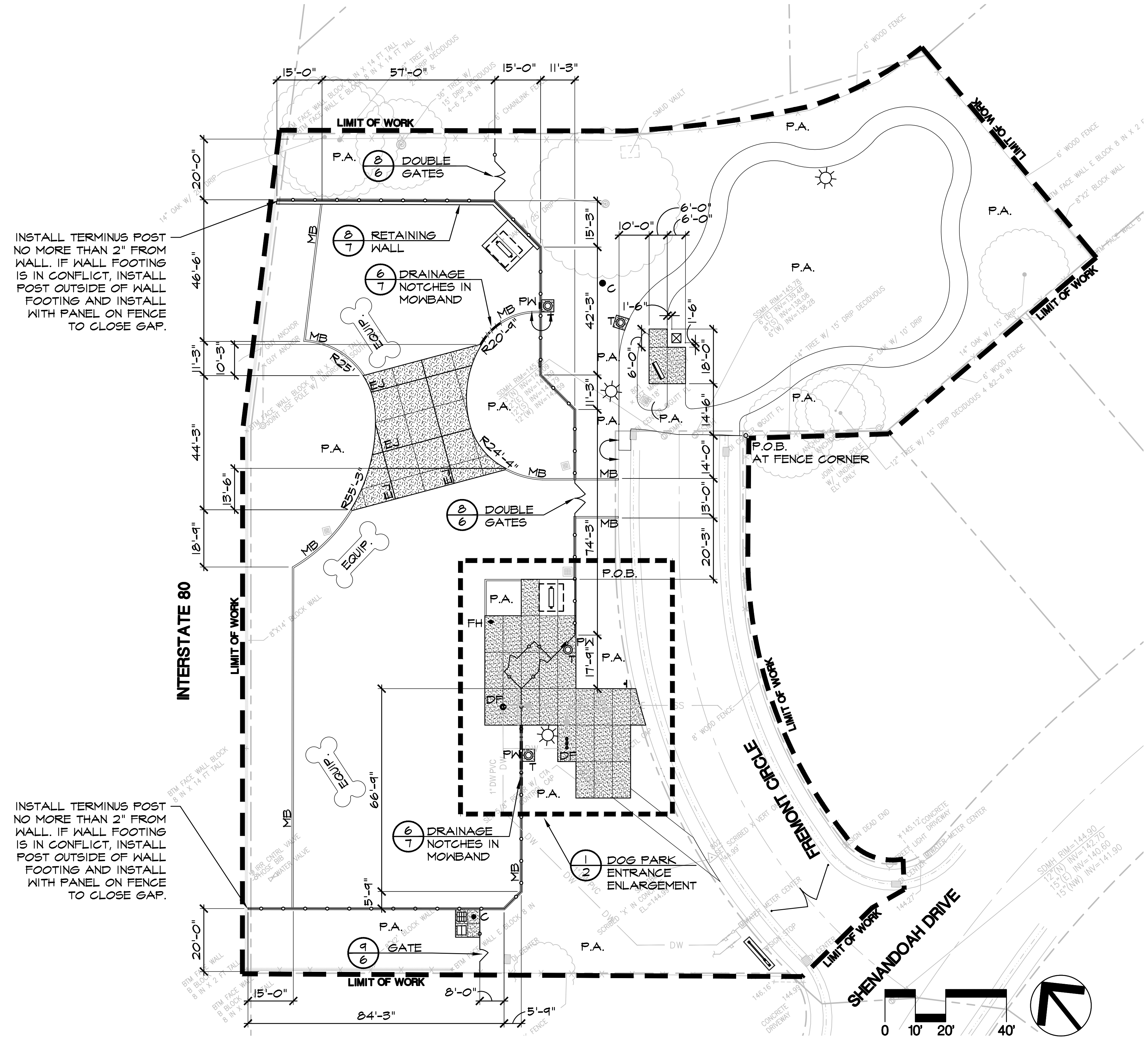
Revisions

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SITE CONSTRUCTION PLAN
CABANA PARK - PHASE 1
FOOTHILL FARMS, CALIFORNIA

BID SET

Date	02/26/2019
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Cadd File	
Sheet No.	2
of	19



INSTALL TERMINUS POST NO MORE THAN 2" FROM WALL. IF WALL FOOTING IS IN CONFLICT, INSTALL POST OUTSIDE OF WALL FOOTING AND INSTALL WITH PANEL ON FENCE TO CLOSE GAP.

INSTALL TERMINUS POST NO MORE THAN 2" FROM WALL. IF WALL FOOTING IS IN CONFLICT, INSTALL POST OUTSIDE OF WALL FOOTING AND INSTALL WITH PANEL ON FENCE TO CLOSE GAP.

SITE CONSTRUCTION NOTES

- DIMENSIONS:** ALL WRITTEN DIMENSIONS SUPERSEDE SCALED DIMENSIONS. ALL DIMENSIONS ARE TO FACE OF CURB OR WALL, INSIDE EDGE OF CONCRETE FLATWORK/MOWBAND, CENTERLINE OF FENCE, OR CENTERPOINT OF RADIUS.
- EXPANSION JOINTS:** INSTALL EXPANSION JOINTS AS SHOWN ON DRAWINGS, AS WELL AS BETWEEN CONCRETE FLATWORK AND WALLS, CURBS, AND EXISTING FLATWORK OR STRUCTURES.
- SLEEVING:** REFER TO IRRIGATION PLAN FOR REQUIREMENTS OF SLEEVING UNDER PAVEMENT.
- PROJECT STAKING:** ALL PROPOSED SITE FEATURES SHALL BE STAKED IN FIELD FOR REVIEW BY THE DISTRICT INSPECTOR PRIOR TO CONSTRUCTION. ALL CURVES SHALL BE SMOOTH AND CONTINUOUS WITH CAREFULLY MATCHED TANGENTS.

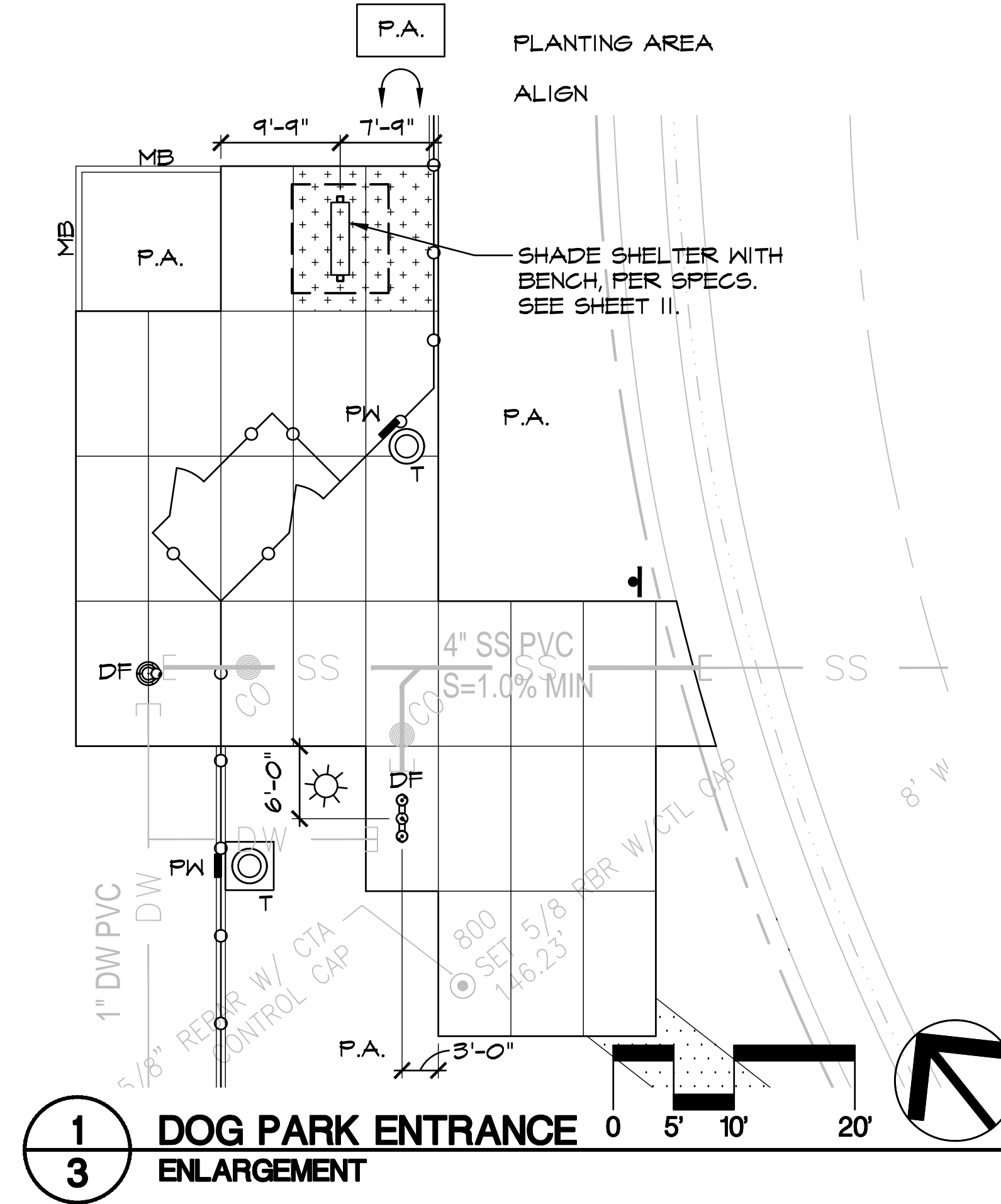


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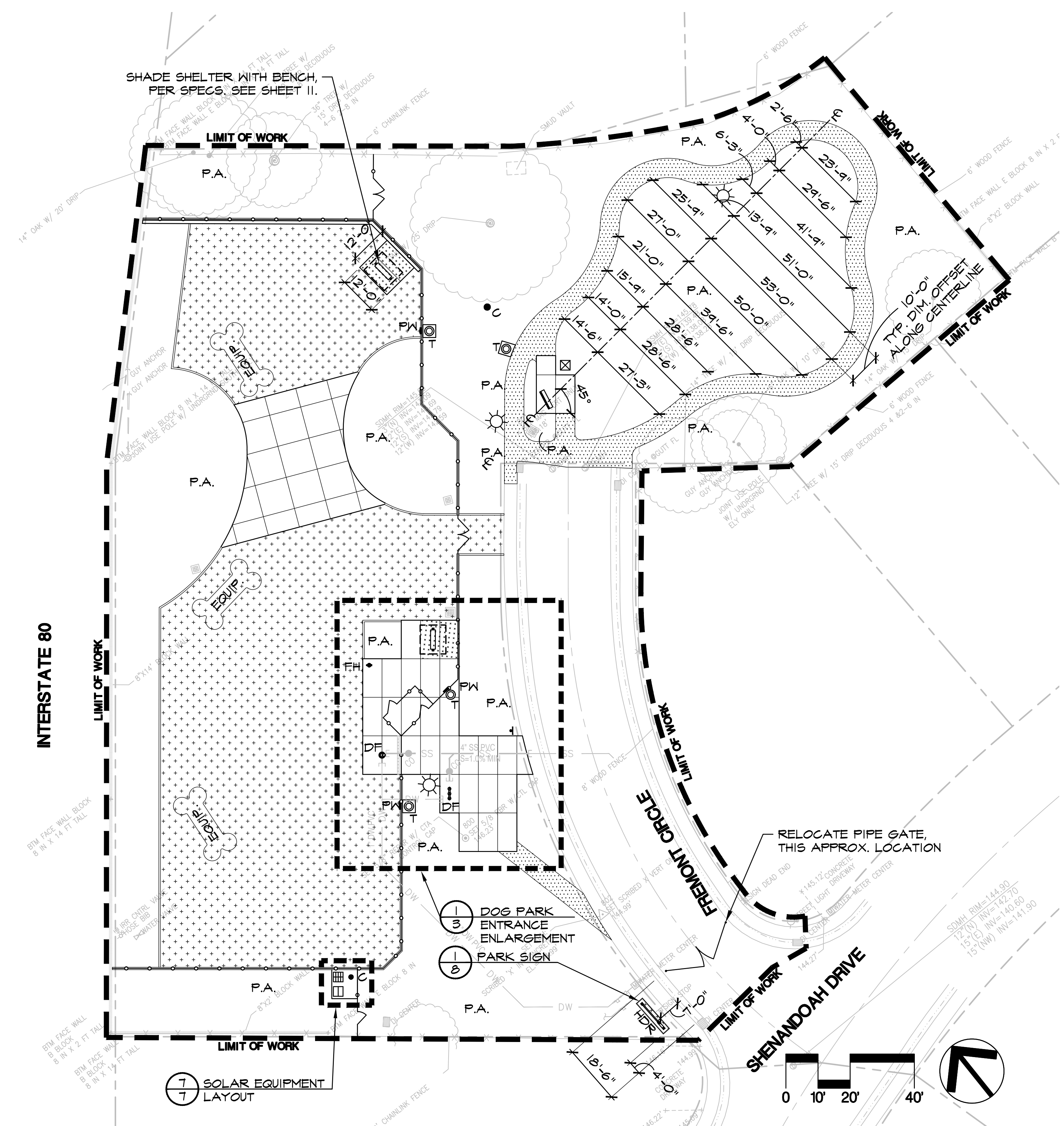
DISTRICT INSTALLED

SITE CONSTRUCTION LEGEND

- CONTRACTOR SEE SHEET 2
- CONCRETE PAVING, 4" EXPANSION JOINT, TYP. SCORE JOINT, TYP.
 - SLOPED CONCRETE PAVING, 4" EXPANSION JOINT, TYP. SCORE JOINT, TYP.
 - CONCRETE PAVING, 6" EXPANSION JOINT, TYP. SCORE JOINT, TYP. 1/6
 - CONCRETE PAVING, 6" EXPANSION JOINT, TYP. SCORE JOINT, TYP. 2/6
 - STABILIZED DECOMPOSED GRANITE PAVING 3/6
 - GRAVEL PAVING, PER SPECS 4/6
 - TRASH RECEPTACLE 2/7
 - PET WASTE BAG DISPENSER 1/7
 - DRINKING FOUNTAIN 4/7 5/7
 - DOG PARK DRINKING FOUNTAIN 4/7 5/7
 - DOG FIRE HYDRANT 2/7
 - LIGHT FIXTURE, REFER TO ELECTRICAL PLAN
 - SECURITY CAMERA
 - SOLAR ASSEMBLY 3/9
 - DOUBLE PANEL ASSEMBLY 2/9
 - BENCH 2/7
 - MEMORIAL 2/8
 - PARK RULES SIGN, PER DISTRICT
 - DOG PARK EQUIPMENT 3/7
 - REDWOOD HEADER 6/6
 - MOWBAND
 - 6' CHAINLINK FENCE
 - 6' CHAINLINK FENCE ON MOWBAND
- CONTRACTOR SEE SHEET 2
- PLANTING AREA
 - ALIGN



1
3 DOG PARK ENTRANCE ENLARGEMENT



SITE CONSTRUCTION NOTES

1. **DIMENSIONS:** ALL WRITTEN DIMENSIONS SUPERSEDE SCALED DIMENSIONS. ALL DIMENSIONS ARE TO FACE OF CURB OR WALL, INSIDE EDGE OF CONCRETE FLATWORK/MOWBAND, CENTERLINE OF FENCE, OR CENTERPOINT OF RADIUS.
2. **EXPANSION JOINTS:** INSTALL EXPANSION JOINTS AS SHOWN ON DRAWINGS, AS WELL AS BETWEEN CONCRETE FLATWORK AND WALLS, CURBS, AND EXISTING FLATWORK OR STRUCTURES.
3. **SLEEVING:** REFER TO IRRIGATION PLAN FOR REQUIREMENTS OF SLEEVING UNDER PAVEMENT.
4. **PROJECT STAKING:** ALL PROPOSED SITE FEATURES SHALL BE STAKED IN FIELD FOR REVIEW BY THE CITY INSPECTOR PRIOR TO CONSTRUCTION. ALL CURVES SHALL BE SMOOTH AND CONTINUOUS WITH CAREFULLY MATCHED TANGENTS.



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Revisions

No.	Description	Date

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SITE CONSTRUCTION PLAN

CABANA PARK - PHASE 1

FOOTHILL FARMS, CALIFORNIA

BID SET

Date	02/26/2019
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Sheet No. **3**
of 19

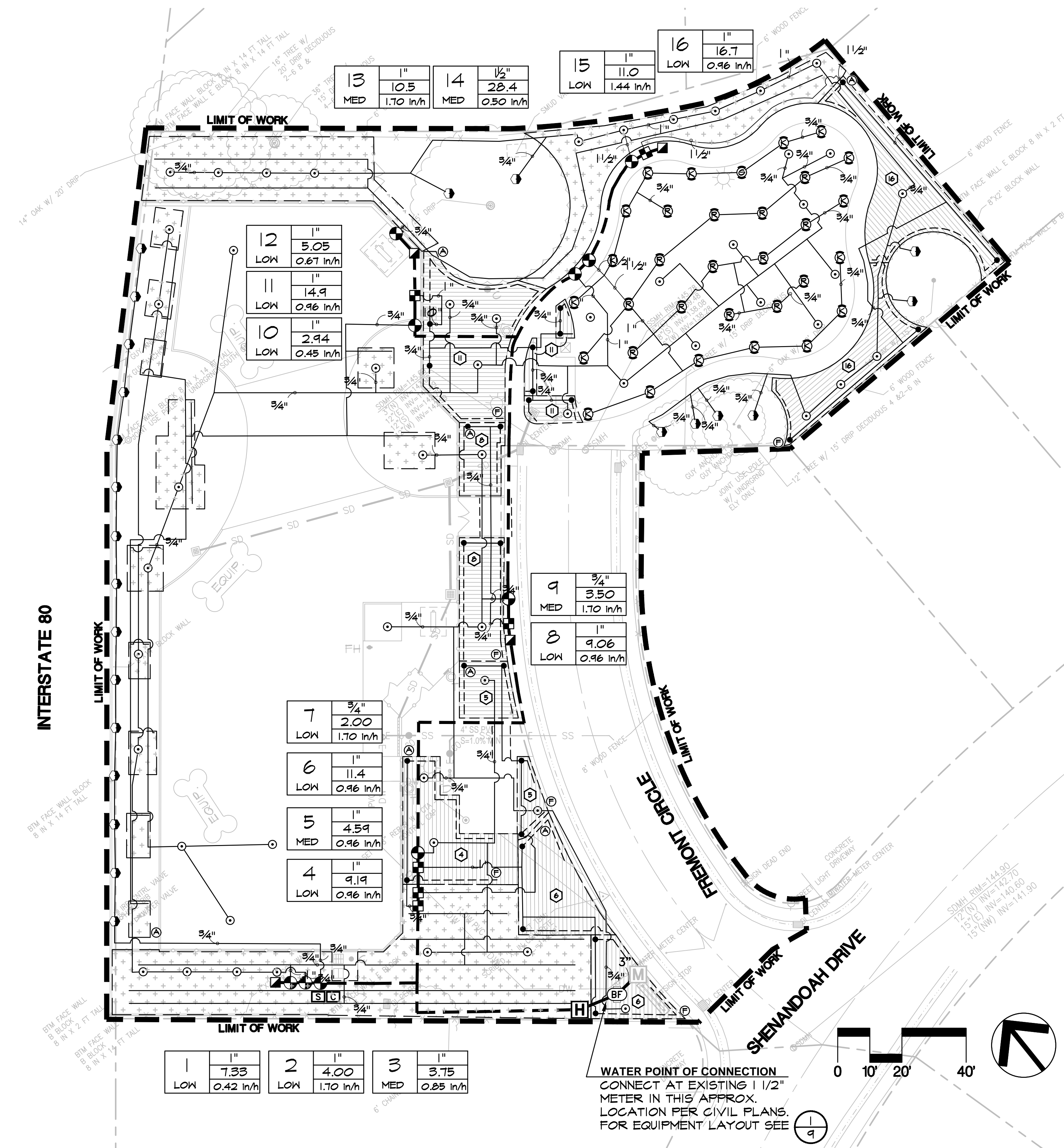


REFERENCE ONLY

DISTRICT INSTALLED

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI
	HUNTER MP2000 PROS-06-PRS40-CV, SHRUB ROTATOR, 6" (15.24 CM) POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI (2.76 BAR), MP ROTATOR NOZZLE. K-BLACK ADJ ARC 90-210, G=GREEN ADJ ARC 210-270, R=RED 360 ARC ON, PRS40 BODY.	30
	HUNTER PROS-04-CV-PCN, .25 GPM, FLOOD BUBBLER, 4.0" POP-UP, FACTORY INSTALLED DRAIN CHECK VALVE.	30
	HUNTER RZNS-18-CV, 18" LONG RZNS WITH INSTALLED .25GPM OR .50GPM BUBBLER OPTIONS, TWO PER TREE	20
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	
	HUNTER ICZ-101-25DRIP CONTROL ZONE KIT. 1" ICV GLOBE VALVE WITH 1" HY100 FILTER SYSTEM. PRESSURE REGULATION: 25PSI. FLOW RANGE: 2 GPM TO 20 GPM. 150 MESH STAINLESS STEEL SCREEN.	4 10
	PIPE TRANSITION POINT ABOVE GRADE	6 9
	AREA TO RECEIVE DRIP EMITTERS: HUNTER 20HE-B, POINT SOURCE DRIP EMITTER WITH SELF PIERCING BARB. COLOR CODED EMITTERS FOR FLOW RATES OF 0.5, 1.0, 2.0, 4.0, AND 6.0 GPH. INSTALL 1 EMITTER PER 1 GALLON PLANT, 2 EMITTER FOR 5 GALLON PLANT.	5 10
	AREA TO RECEIVE DRIPLINE: HUNTER ECO-MAT 17 MM, 0.6 GPH FLEECE WRAPPED INLINE EMITTER TUBING, WITH THE BLANKET ECO-MAT. EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART.	7 9 10
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	
	REMOTE CONTROL VALVE, BUCKNER-SUPERIOR 950-DN, SIZE PER PLANS	2 10
	QUICK COUPLER VALVE, HUNTER HQ-44LRC	2 10
	HYDROMETER, HYDROPOINT, WEATHERTRAK FLOWS, 1 1/2" NORMALLY OPEN	6 10
	BACKFLOW PREVENTOR, WILKINS, 950XL 2"	6 10
	SOLAR CONTROLLER, HYDROPOINT, WEATHERTRAK ETPRO-3, 18-STATIONS, W/ WEATHER SENSOR, WALL MOUNT	2 9
	SOLAR ASSEMBLY, SITEONE	3 9
	EXISTING WATER METER 1-1/2"	
	FLUSH VALVE, TORO, T-FGH-H, INSTALL AT LOW END OF DRIP HEADER LINE	5 9
	AIR RELEASE VALVE, HUNTER, PLD-AVR, INTALL AT HIGH END OF DRIP HEADER LINE	7 10
	VALVE NUMBER FOR DRIP AREA	
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR	
	DRIP HEADER: PVC SCHEDULE 40 HEADER	6 9
	IRRIGATION MAINLINE: PVC CLASS 315 SDR 13.5, SIZE PER PLAN	
	SLEEVE, SCHEDULE 40 PVC, SIZE AS REQUIRED	
VALVE CALLOUT		
	VALVE NUMBER	
	VALVE SIZE	
	VALVE FLOW	
	PRECIPITATION RATE	
	WATER-USE	



IRRIGATION NOTES

- SPECIFICATIONS:** SEE IRRIGATION SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- VERIFICATION:** SYSTEM DESIGN IS BASED ON 55 P.S.I. AND 75 G.P.M. AVAILABLE AT DISCHARGE OUTLET OF METER OR OTHER POINT OF CONNECTION. DISTRICT SHALL VERIFY SAME AND NOTIFY LANDSCAPE ARCHITECT IF SUCH DATA ADVERSELY AFFECTS THE OPERATION OF THE SYSTEM. SUCH NOTICE SHALL BE MADE IN WRITING AND PRIOR TO COMMENCING ANY IRRIGATION WORK.
- UTILITIES:** DISTRICT SHALL VERIFY LOCATION OF ALL ON-SITE UTILITIES.
- SCHEMATIC:** SYSTEM FEATURES ARE SHOWN SCHEMATICALLY FOR GRAPHIC CLARITY. INSTALL ALL PIPING AND VALVES IN COMMON TRENCHES WHERE FEASIBLE AND INSIDE PLANTING AREAS WHENEVER POSSIBLE. ALL VALVES SHALL BE LOCATED IN GROUND COVER OR SHRUB AREAS WHENEVER POSSIBLE.
- CODES:** IRRIGATION SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH ALL LOCAL CODES AND MANUFACTURER'S SPECIFICATIONS. NOTIFY LANDSCAPE ARCHITECT BY TELEPHONE AND IN WRITING OF ANY CONFLICTS PRIOR TO INSTALLATION.
- SLEEVING:** DISTRICT SHALL ADEQUATELY SIZE ALL SLEEVES SHOWN ON PLAN. SLEEVES SHALL BE INSTALLED AT THE NECESSARY DEPTHS PRIOR TO PAVEMENT CONSTRUCTION. SLEEVING SHALL EXTEND 1'-0" FROM EDGE OF PAVEMENT INTO LAWN OR PLANTING AREA, AND SHALL HAVE ENDS CLEARLY MARKED ABOVE GRADE.

- BACKFLOW DEVICES:** LOCATE BACKFLOW DEVICES AS SHOWN ON PLAN. LOCATION SHALL BE APPROVED BY THE DISTRICT REPRESENTATIVE PRIOR TO INSTALLATION.
- QUICK COUPLING VALVES:** INSTALL ON TRIPLE SWING JOINT. LOCATE 12" AWAY FROM EDGE OF WALKS, WALLS, CURBS, AND HEADERBOARDS WITHIN PLANTING AREAS. PROVIDE OWNER WITH ONE OPERATING KEY, TWO SETS OF LOCKING COVER KEYS, AND ONE SNIVEL HOSE ELL.
- CONTROLLER:** ALL ABOVE-GRADE CONDUIT EITHER 24V. OR 110V. SHALL BE RIGID STEEL AND SECURELY FASTENED TO STRUCTURE AND TO CONTROLLER.
- CHECK VALVES:** INSTALL PLASTIC CHECK VALVE AT BASE OF HEADS ON LOW ENDS OF SYSTEMS AS REQUIRED TO MINIMIZE LINE DRAINAGE.



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Revisions

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LANDSCAPE ARCHITECT
Signature
Date
RENEWAL DATE
STATE OF CALIFORNIA

IRRIGATION PLAN (DISTRICT)

CABANA PARK - PHASE 1

FOOTHILL FARMS, CALIFORNIA

BID SET

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Cadd File	
Sheet No.	4
of	19



REFERENCE ONLY

DISTRICT INSTALLED

PLANTING SCHEDULE

TREES	BOTANICAL NAME / COMMON NAME	SIZE	WATER USE
ACE RUB	ACER RUBRUM / RED MAPLE	24" BOX	M
CER CAN	CERCIS CANADENSIS / EASTERN REDBUD	15 GAL	M
PIN EDU	PINUS EDULIS / PINON PINE	15 GAL	L
PIS CHI	PISTACIA CHINENSIS / CHINESE PISTACHE	15 GAL	L
PRU ILI	PRUNUS ILICIFOLIA / HOLLY LEAF CHERRY	15 GAL	L
QUE SUB	QUERCUS SUBER / CORK OAK	24" BOX	L
WAS ROB	WASHINGTONIA ROBUSTA / MEXICAN FAN PALM	10" BTH	M
ZEL SER	ZELKOVA SERRATA 'GOLD FALLS' / GOLD FALLS ZELKOVA	15 GAL	M

SHRUBS	BOTANICAL NAME / COMMON NAME	SIZE	WATER USE	SPACING
ARC DOU	ARCTOSTAPHYLOS 'JOHN DOURLEY' / MANZANITA	5 GAL	L	96" o.c.
BOU GRA	BOUTELOUA GRACILIS 'BLONDE AMBITION' / BLUE GRAMA	1 GAL	L	36" o.c.
CAR TUM	CAREX TUMULICOLA / BERKELEY SEDGE	1 GAL	L	24" o.c.
CIS LAD	CISTUS LADANIFER / GRIMSON SPOT ROCKROSE	1 GAL	L	36" o.c.
COR BAN	CORDYLINE BANKSII 'ELECTRIC PINK' / PINK CORDYLINE	5 GAL	M	48" o.c.
EPI CAN	EPILOBIUM CANUM / HUMMINGBIRD TRUMPET	5 GAL	L	48" o.c.
FES IDA	FESTUCA IDAHOENSIS / IDAHO FESCUE	1 GAL	L	24" o.c.
MUH RIG	MUHLENBERGIA RIGENS / DEER GRASS	1 GAL	L	36" o.c.
MUH RIG	MUHLENBERGIA RIGENS / DEER GRASS	5 GAL	L	36" o.c.
PAR VEI	PARTHENOCISSUS TRICUSPIDATA 'VEITCHII' / BOSTON IVY	1 GAL	M	24" o.c.
RIB VIB	RIBES VIBURNIFOLIUM / EVERGREEN CURRANT	1 GAL	L	60" o.c.
SAL CLE	SALVIA CLEVELANDII / CLEVELAND SAGE	1 GAL	L	36" o.c.
SAL BEE	SALVIA X 'BEE'S BLISS' / SAGE	1 GAL	L	72" o.c.
YUC COL	YUCCA FILAMENTOSA 'COLOR GUARD' / ADAM'S NEEDLE	5 GAL	L	48" o.c.

GROUND COVERS	BOTANICAL NAME / COMMON NAME	SIZE	WATER USE	SPACING
	ACHILLEA MILLEFOLIUM 'PAPRIKA' / PAPRIKA YARROW, 33%	1 GAL	L	24" o.c.
	ESCHSCHOLZIA CALIFORNICA / CALIFORNIA POPPY, 33%	1 GAL	L	24" o.c.
	MIMULUS AURANTIACUS / STICKY MONKEY FLOWER, 33%	1 GAL	L	24" o.c.

	BOTANICAL NAME / COMMON NAME	SIZE	WATER USE	SPACING
	RUBUS CALYCINOIDES / GREEN CARPET RASPBERRY	5 GAL	M	48" o.c.
	DELTA BLUEGRASS 'GRASSLAND MIX' SOD			
	DESCHAMPSIA ELONGATA / SLENDER HAIRGRASS	FLAT	L	AS SHOWN
	FESTUCA RUBRA / RED FESCUE	FLAT	L	AS SHOWN
	KOELERIA MACRANTHA / PRAIRIE JUNEGRASS	FLAT	L	AS SHOWN

VINES	BOTANICAL NAME / COMMON NAME	SIZE	WATER USE	SPACING
	PARTHENOCISSUS TRICUSPIDATA	5 GAL	M	AS SHOWN

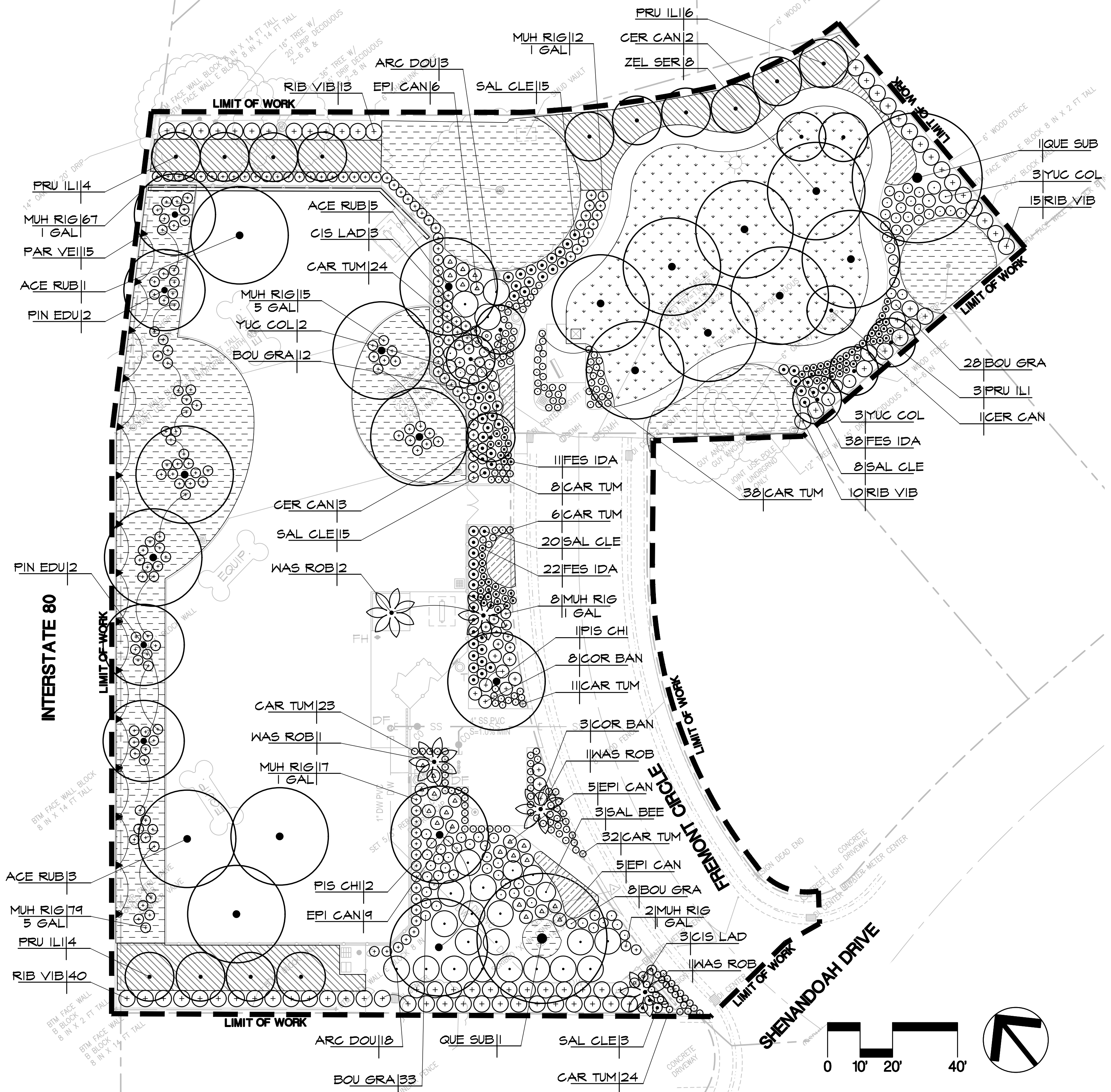
MULCH ONLY PER NOTE 2

PLANTING NOTES

- DISTRICT TO AMEND SOIL, APPLY FERTILIZER AND INSTALL ALL CONTAINER STOCK, MULCH AND SOD INCLUDING ALL NECESSARY STAKING.
- MULCH: INSTALL A UNIFORM 3 INCH COVERING, OF SMALL DECORATIVE BARK, 1/4 INCH TO 3/4 INCH PARTICLE SIZE, IN ALL PLANTING AREAS. MATERIAL AVAILABLE FROM REDI-GRO CORP., (916)381-6063.
- GROUND COVER: PROVIDE GROUND COVER AT INDICATED ON-CENTER SPACING THROUGHOUT ALL PLANTING AREAS. GROUND COVER SHALL BE PROVIDED UP TO THE WATERING BASIN OF ALL TREES AND SHRUBS.
- TREE PROTECTION: ALL TREES WITHIN DOG PARK SHALL RECEIVE TREE PROTECTION. INSTALL 3 T-POSTS AROUND EACH TRUNK AND WRAP WITH WIRE MESH FENCE.

I AGREE TO COMPLY WITH THE CRITERIA OF THE WATER EFFICIENT LANDSCAPE ORDINANCE AND SUBMIT A COMPLETE LANDSCAPE DOCUMENTATION PACKAGE

Benjamin W. Woodside BENJAMIN W. WOODSIDE
SIGNATURE



REFERENCE EVAPOTRANSPIRATION (Eto) = 51.9 IN/YR

MAXIMUM APPLIED WATER ALLOWANCE (MAWA)

Eto	CONVERSION FACTOR	ETAF	TOTAL LANDSCAPE AREA (LA)	1 - ETAF	SPECIAL LANDSCAPE AREA (SLA)	(ETAF x LA) + ((1-ETAF) x SLA)	MAWA TOTAL
51.9	0.62	0.45	20,119	0.55	0	6,914	291,325

ESTIMATED TOTAL WATER USE (ETWU)

HYDROZONE DESCRIPTION	PLANT FACTOR (PF)	IRRIGATION METHOD	IRRIGATION EFFICIENCY (IE)	ETAF (PF/IE)	LANDSCAPE AREA (SF)	ETAF x AREA	TOTAL WATER USE
REGULAR LANDSCAPE AREA							
LOW WATER PLANTINGS	0.2	DRIP	0.81	0.25	12,334	3,045	97,996
LOW WATER TREES	0.2	BUBBLER	0.81	0.25	750	185	5,959
MEDIUM WATER PLANTINGS	0.4	OVERHEAD SPRAY	0.75	0.53	5,300	2,827	90,956
MEDIUM WATER TREES	0.4	DRIP	0.81	0.49	1,160	573	18,433
MEDIUM WATER TREES	0.4	BUBBLER	0.81	0.49	575	284	9,137
TOTALS						6,914	222,481
ETWU TOTAL							222,481
MAWA							291,325



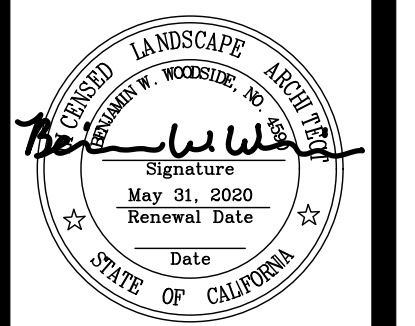
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PLANTING PLAN (DISTRICT)

CABANA PARK - PHASE 1

FOOTHILL FARMS, CALIFORNIA

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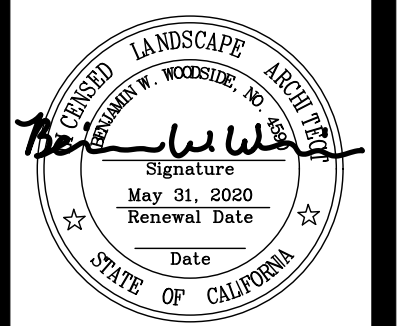
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Sheet No.	5
of	19

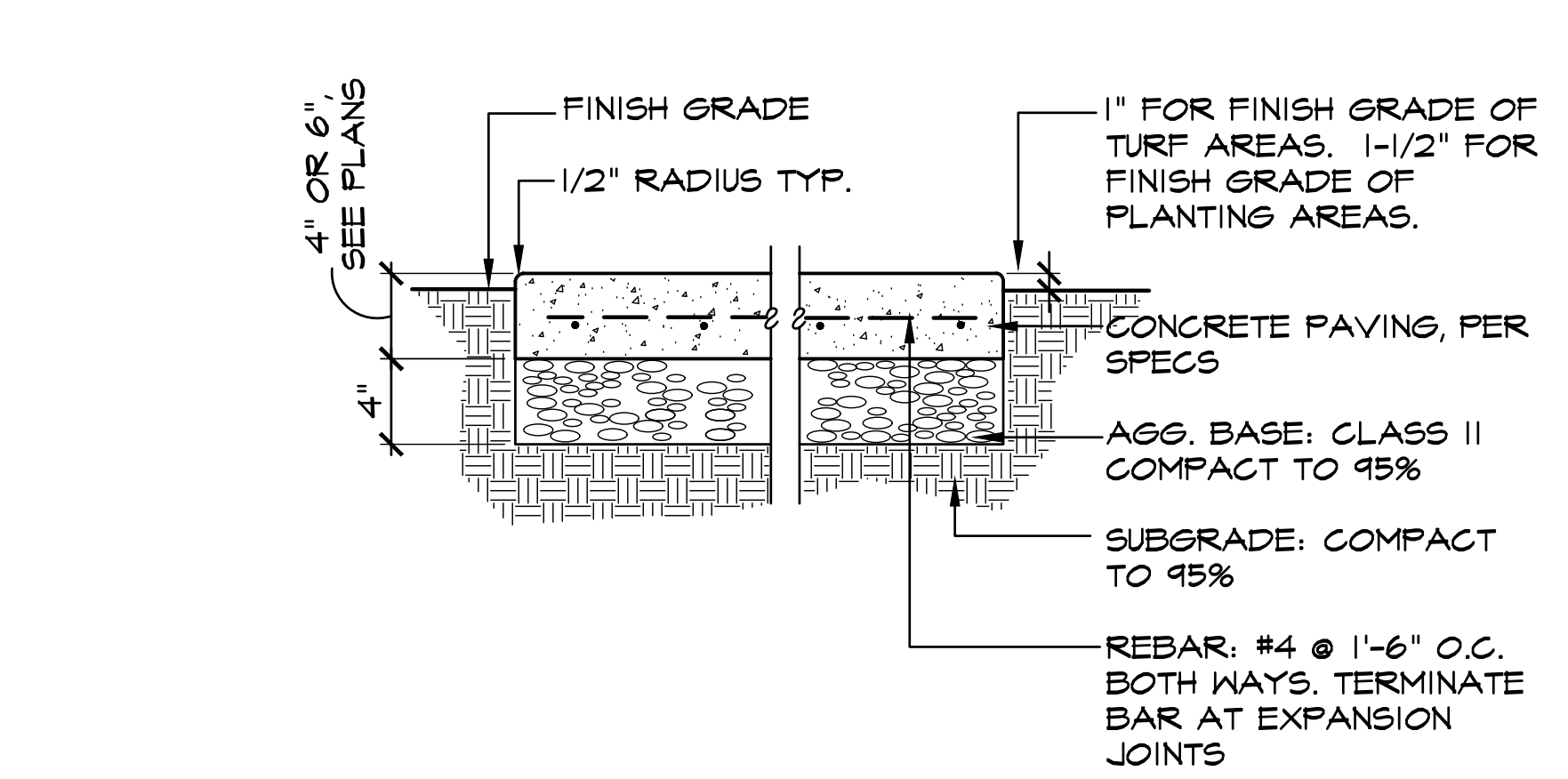


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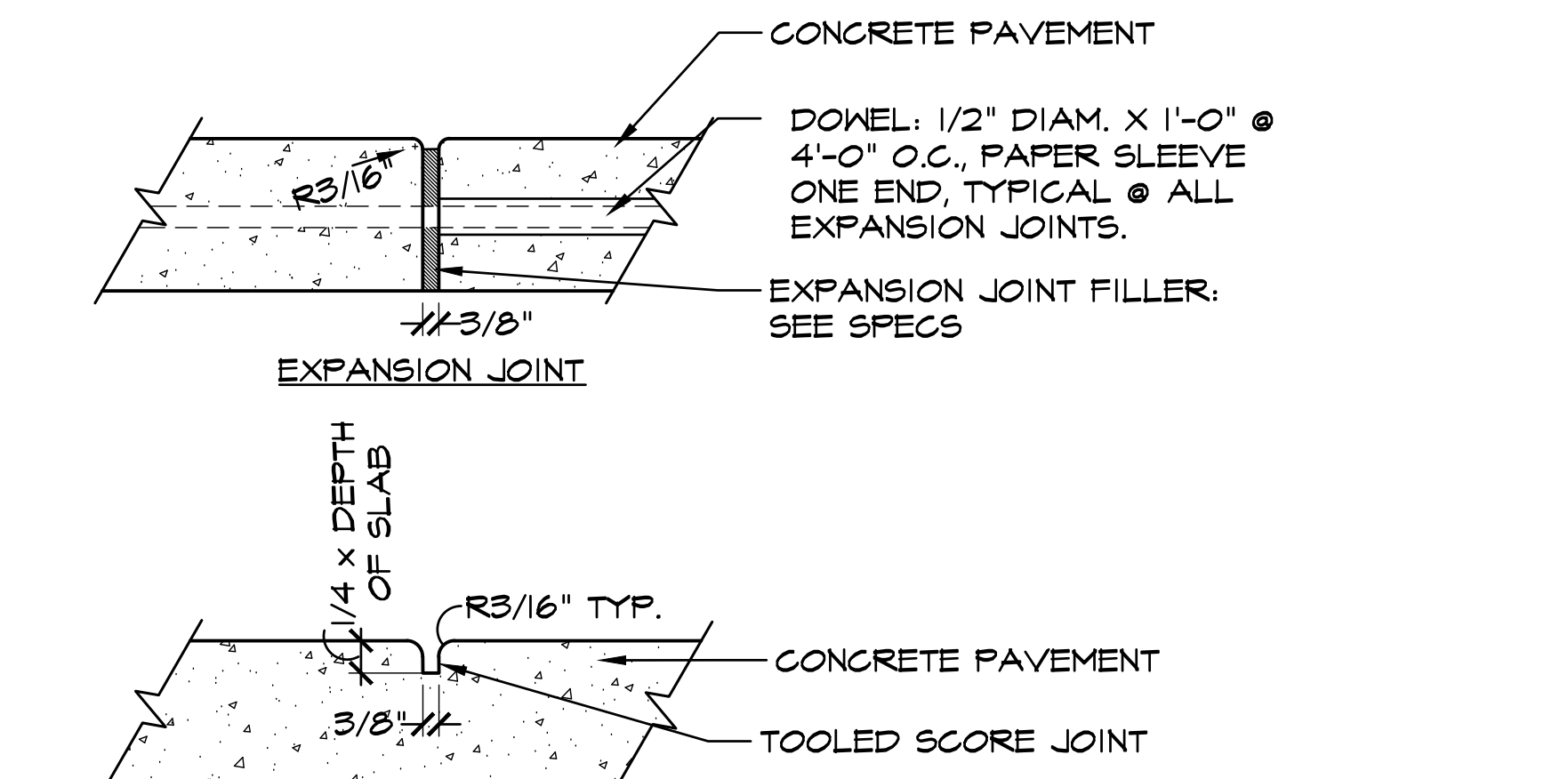
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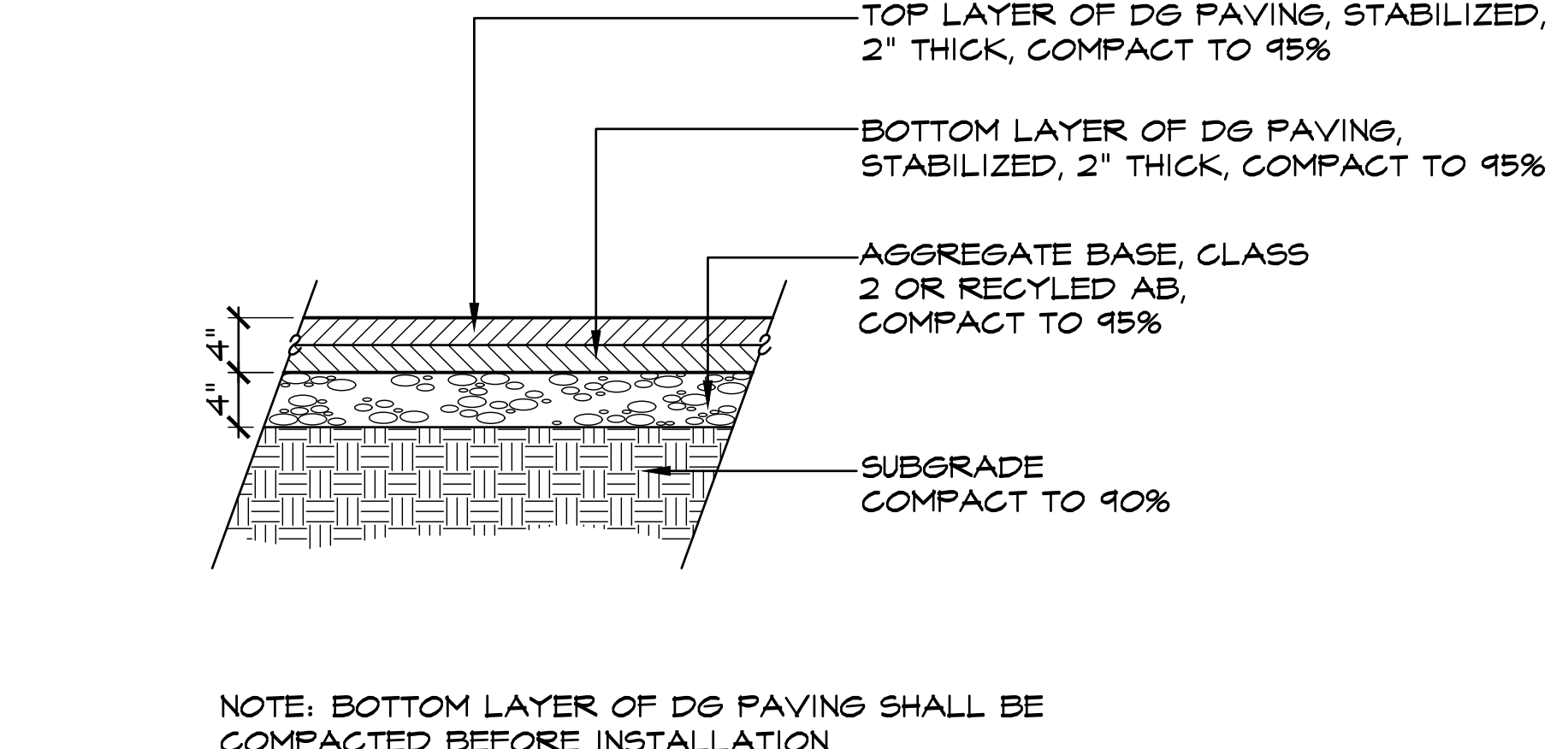
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CONSTRUCTION DETAILS
CABANA PARK - PHASE 1
FOOTHILL FARMS, CALIFORNIA



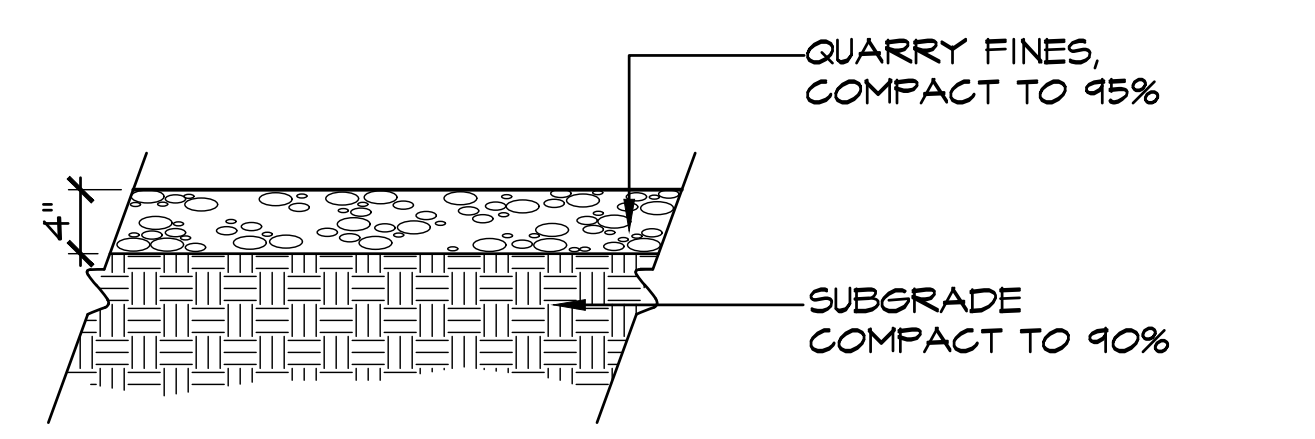
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6 **CONCRETE PAVING (CONTRACTOR)**
SECTION
18071_321500_ConcretePaving_12.dwg



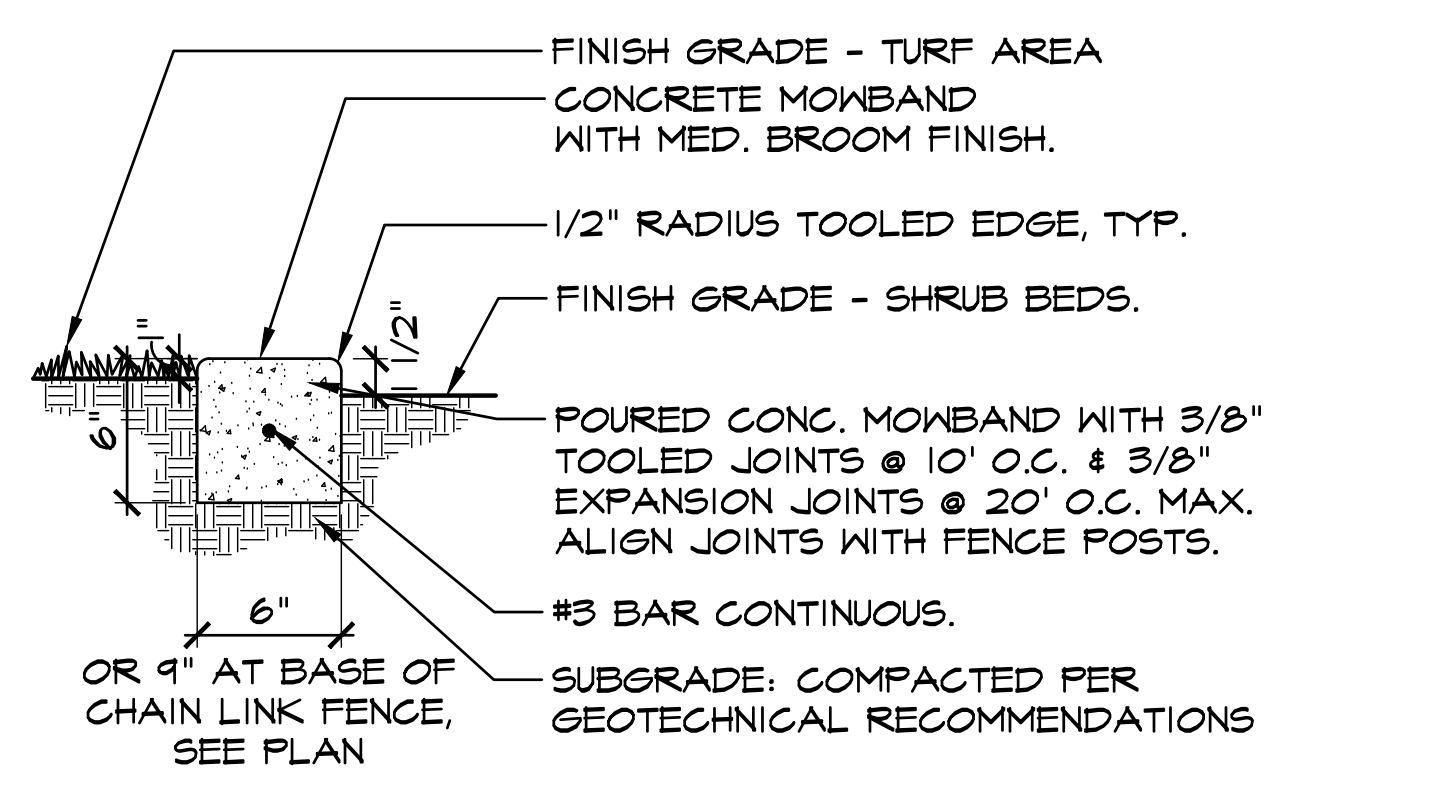
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6 **CONCRETE JOINTS (CONTRACTOR)**
SECTION
18071_321500_ConcreteJoints_4.dwg



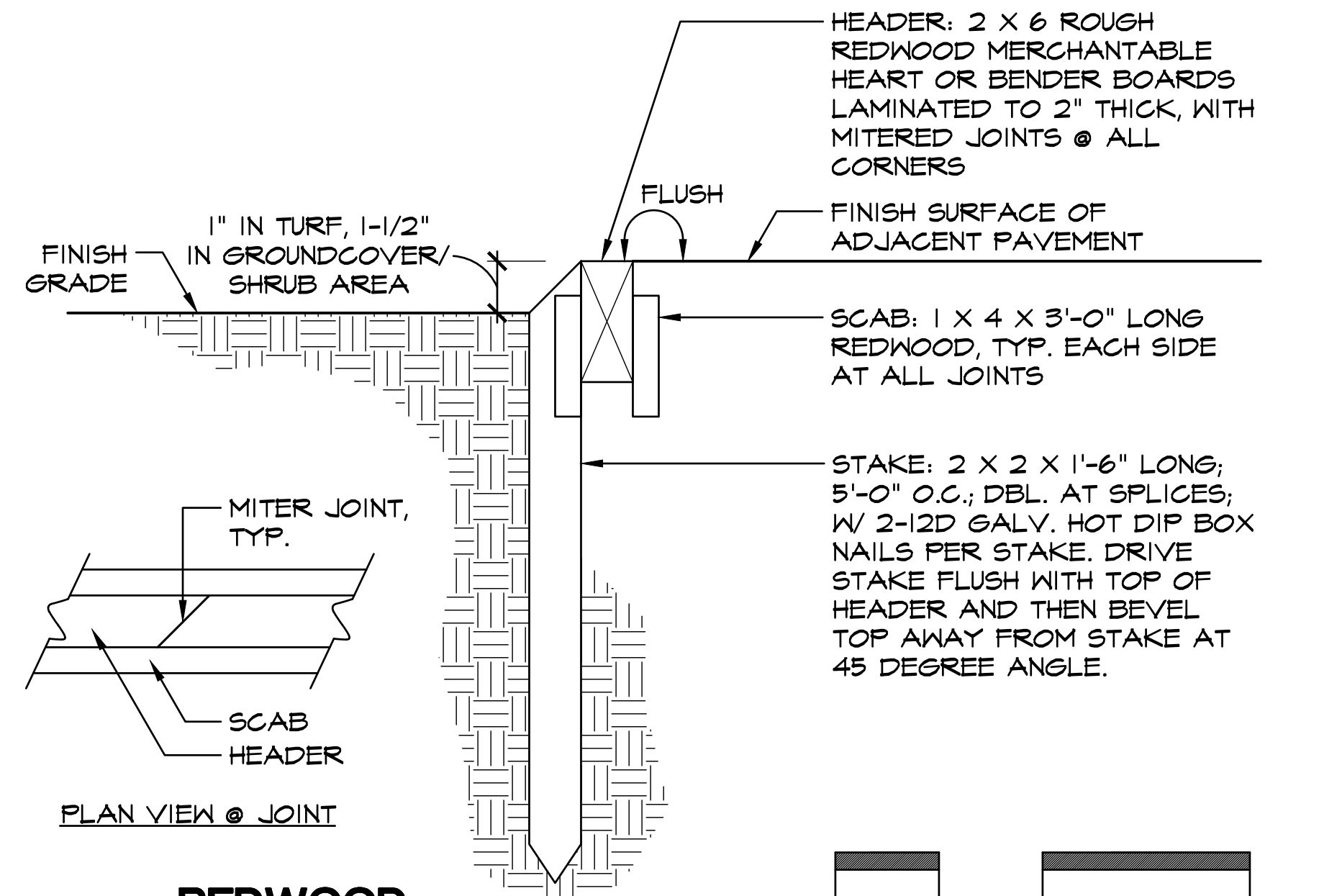
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6 **STABILIZED DECOMPOSED GRANITE PAVING (DISTRICT)**
SECTION
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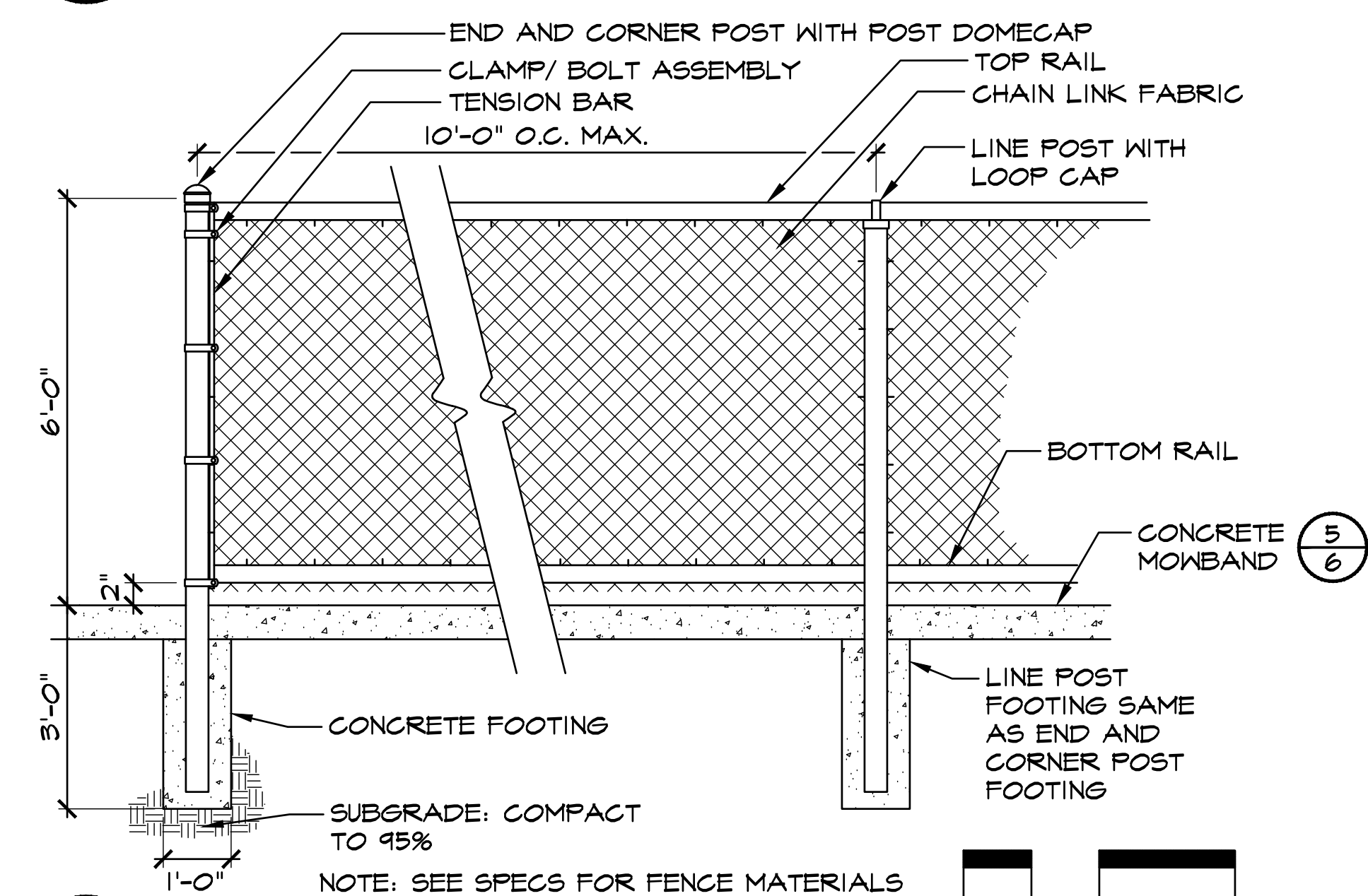
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6 **GRAVEL PAVING (DISTRICT)**
SECTION
18071_AGGREGATEPAVING_12



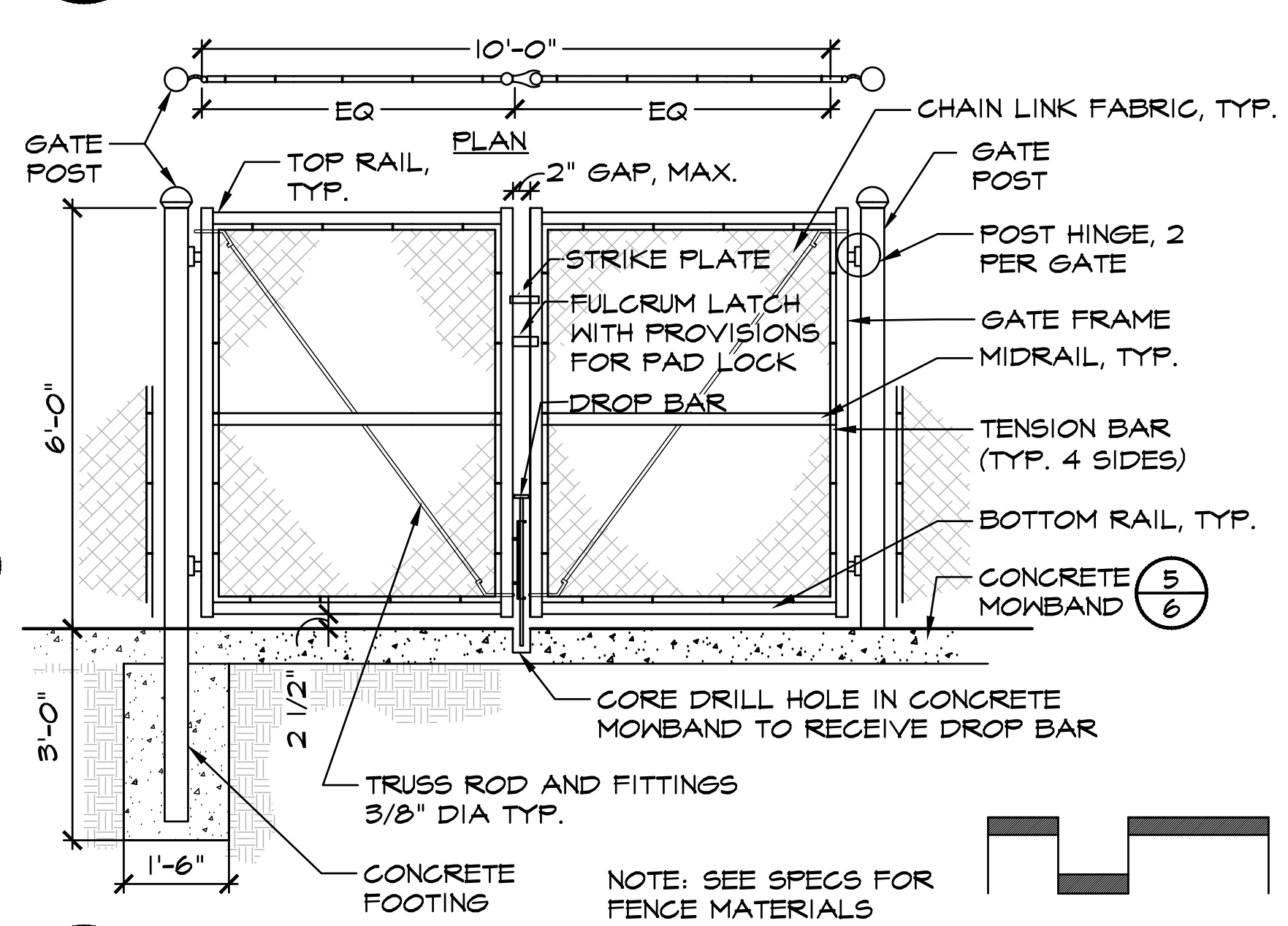
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6 **CONCRETE MOWBAND (CONTRACTOR)**
SECTION
18071_321600_ConcreteMowband_8.dwg



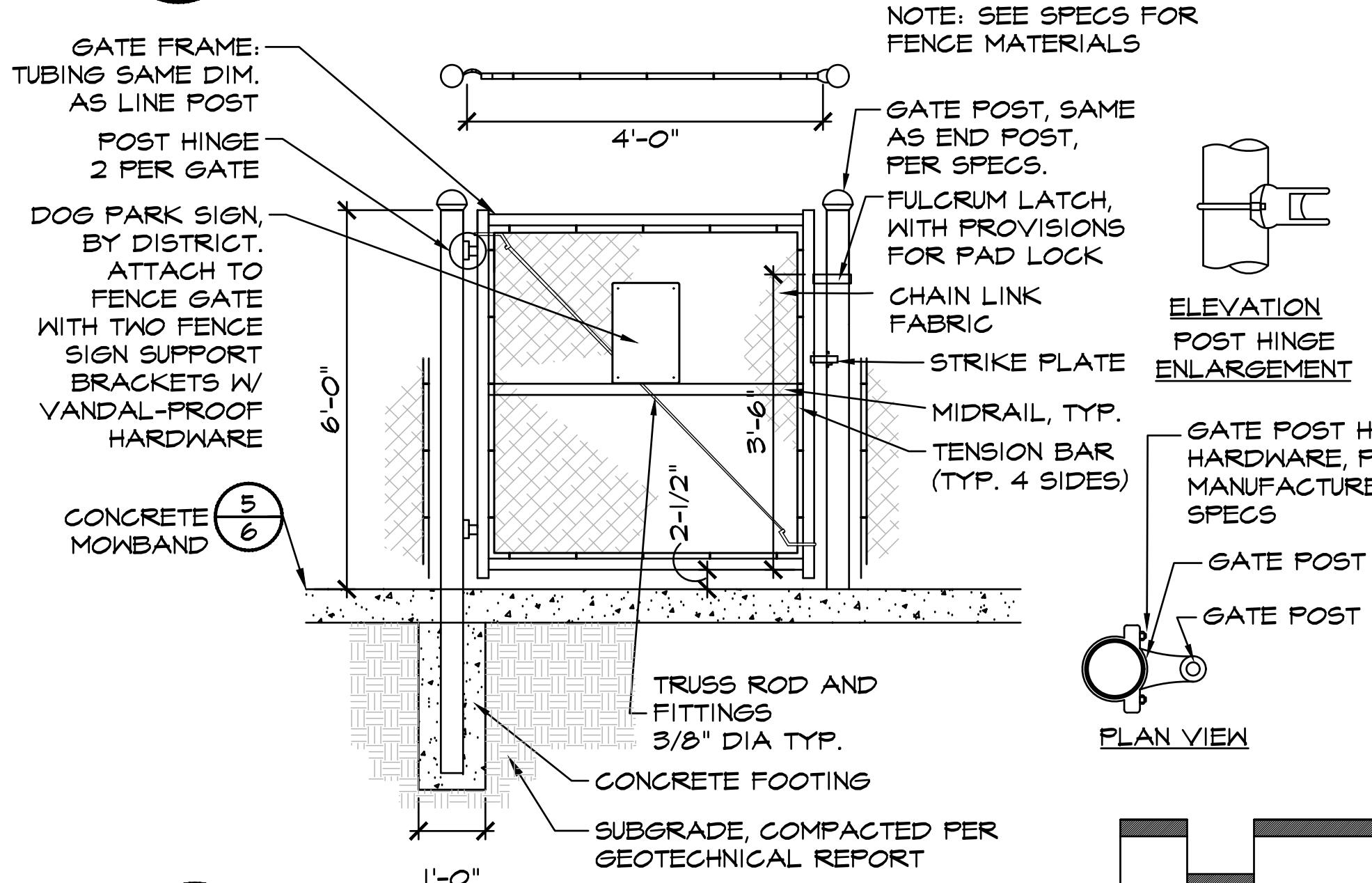
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6 **REDWOOD HEADER (DISTRICT)**
SECTION
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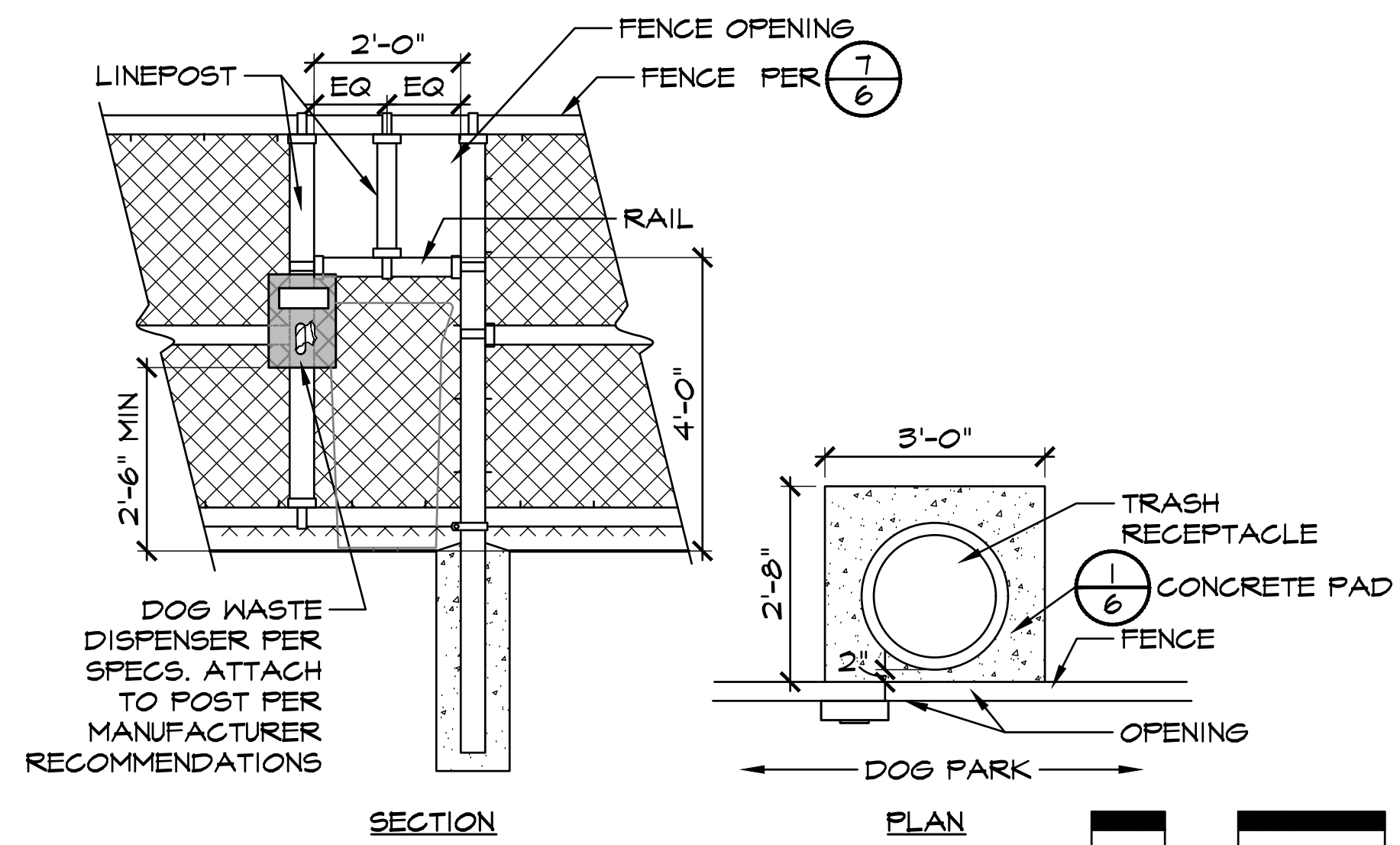
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6 **6' CHAINLINK FENCE (CONTRACTOR)**
SECTION
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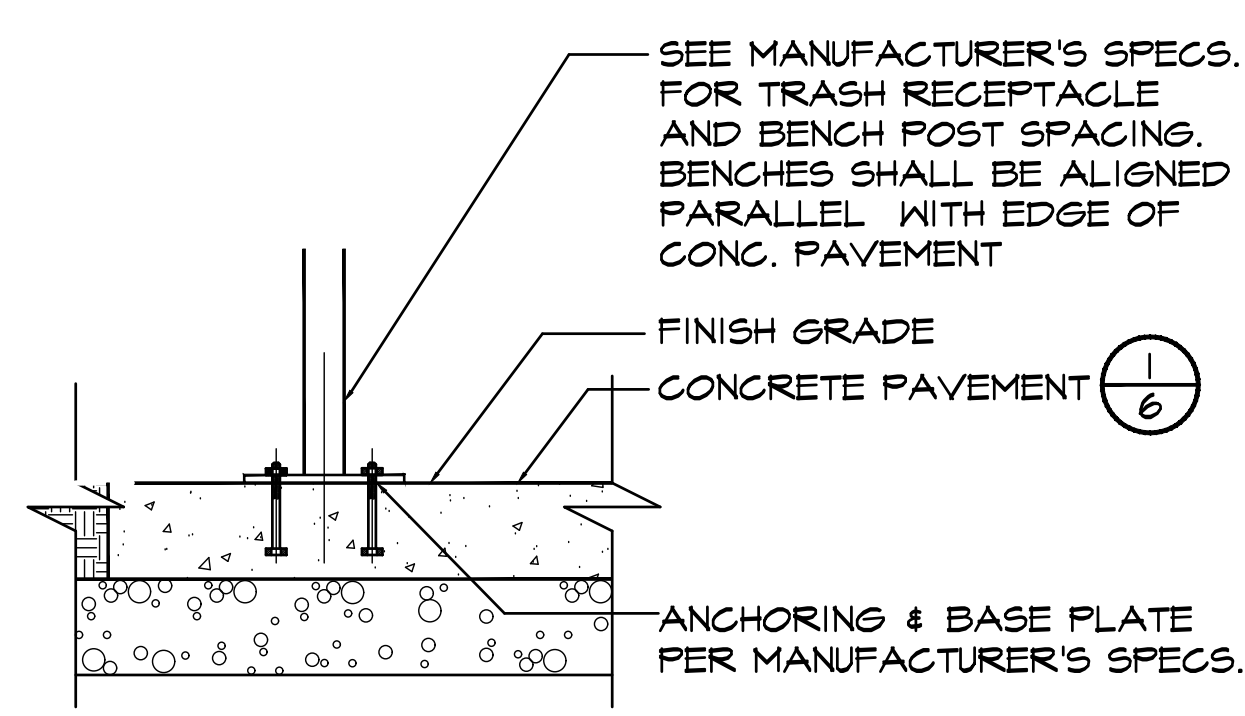
8
6 **DOUBLE GATES (CONTRACTOR)**
SECTION
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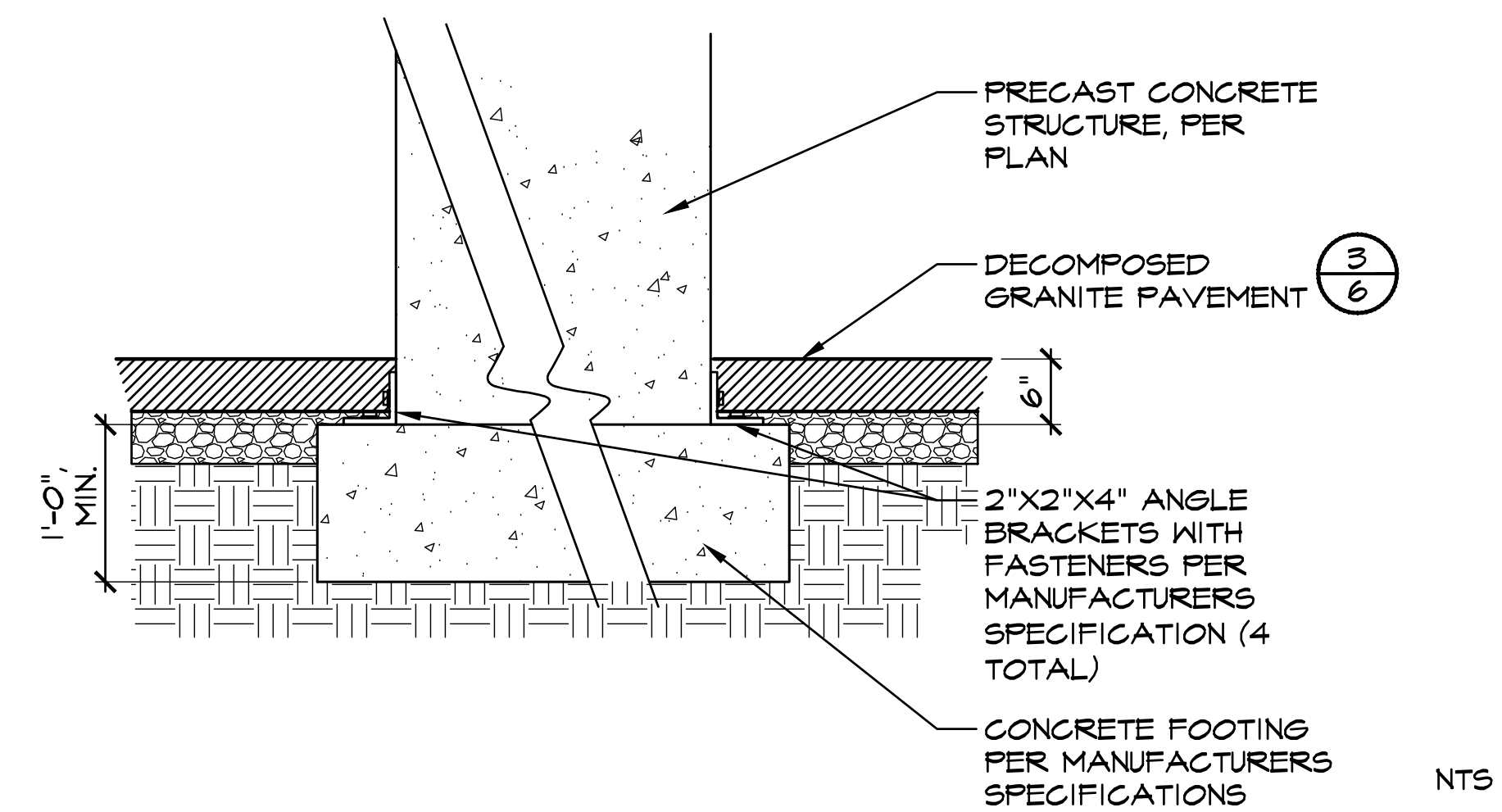
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6 **GATE (CONTRACTOR)**
SECTION
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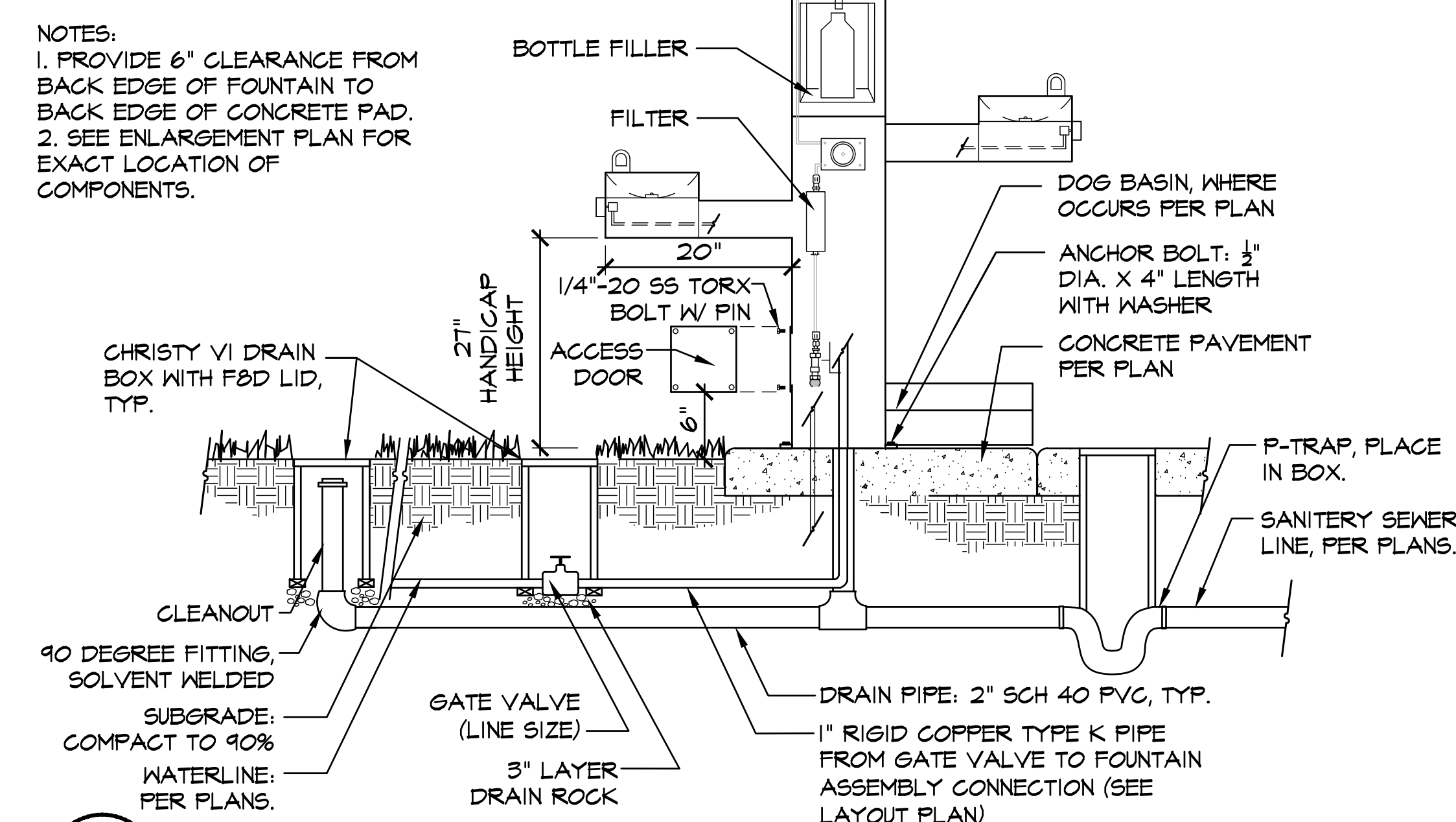
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7 **PET WASTE DISPENSER FENCE ATTACHMENT (CONTRACTOR)**
SECTION / PLAN
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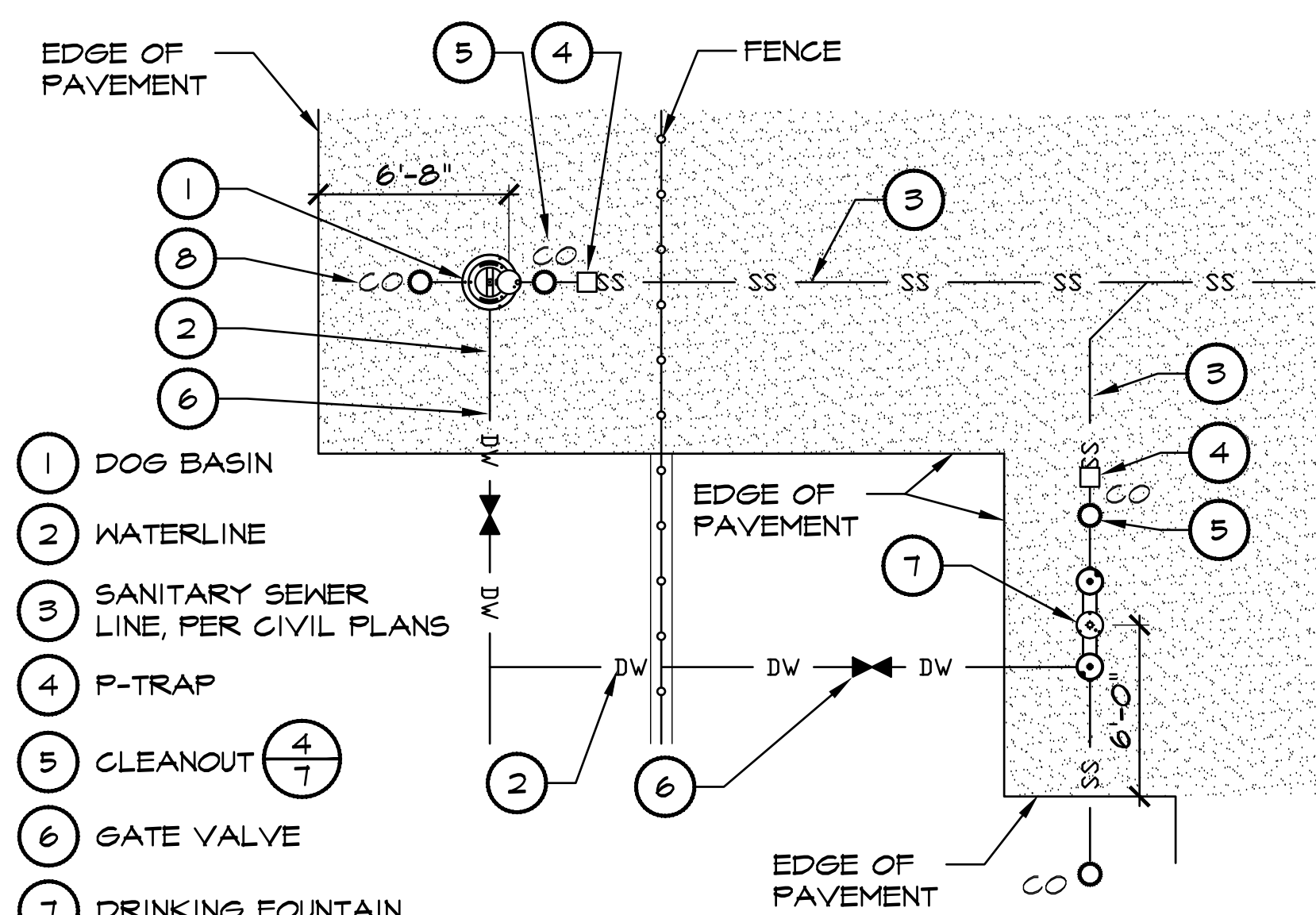
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7 **SURFACE MOUNT (DISTRICT)**
SECTION
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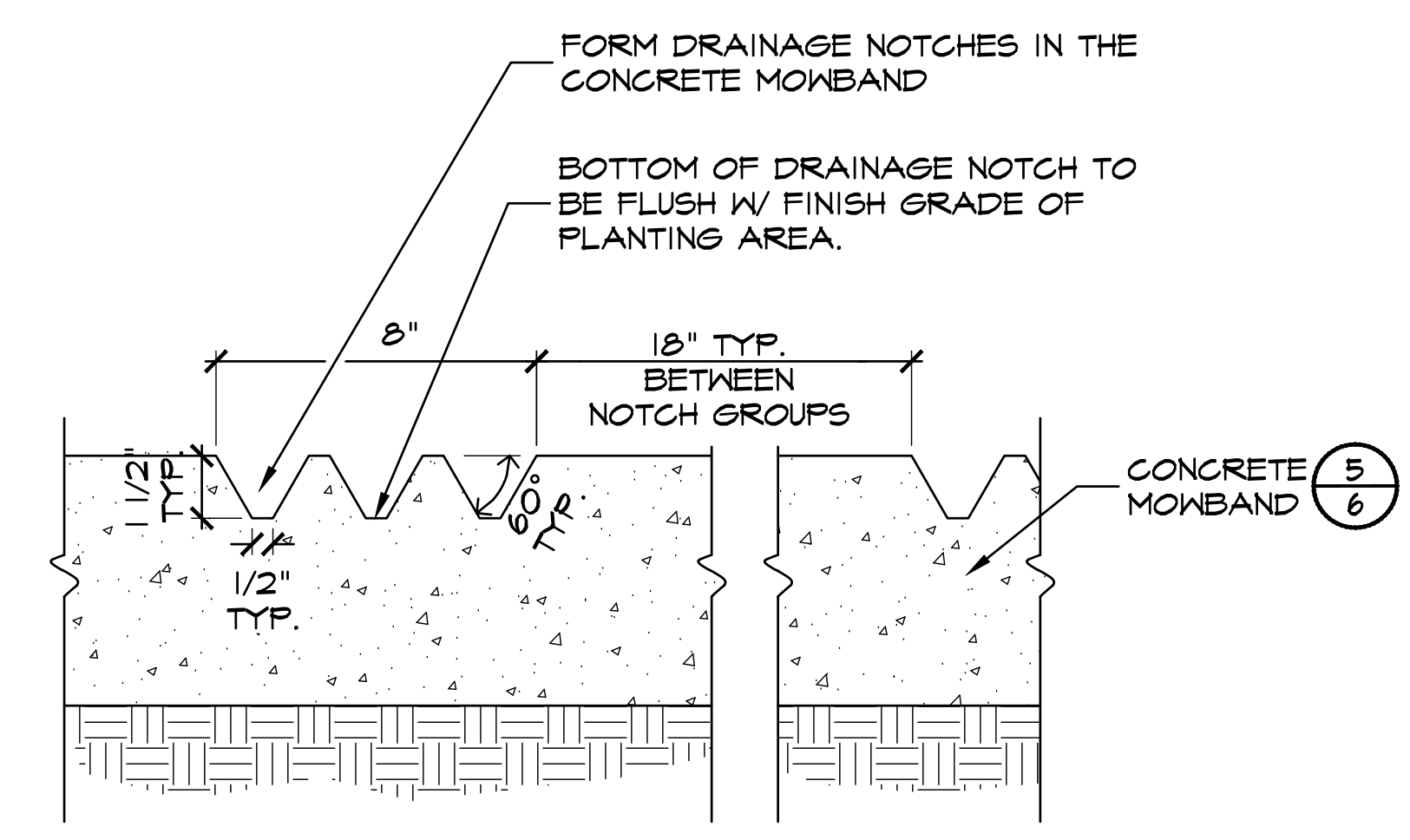
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7 **DOG PLAY FEATURE FOOTING (DISTRICT)**
SECTION
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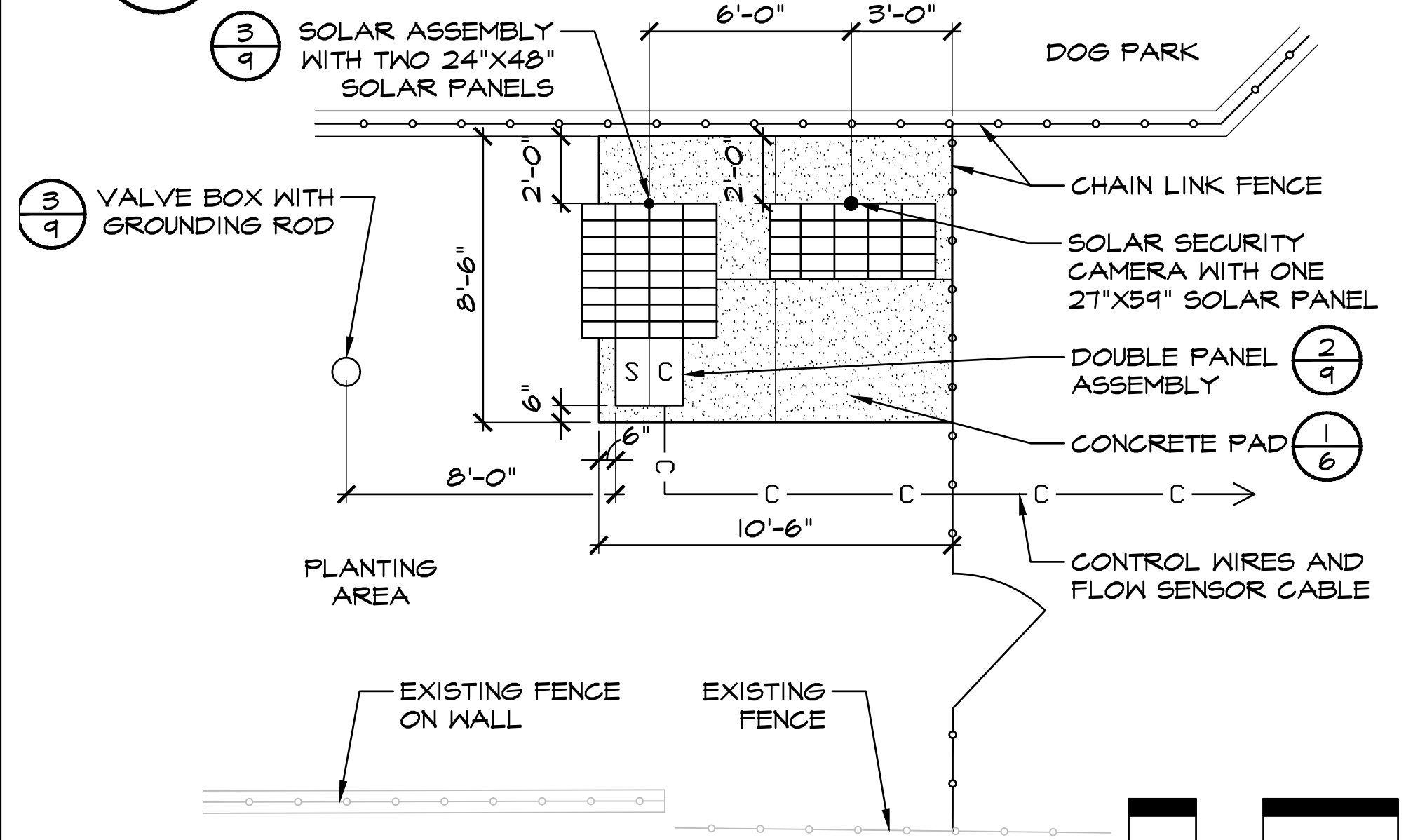
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7 **DRINKING FOUNTAIN (DISTRICT)**
SECTION
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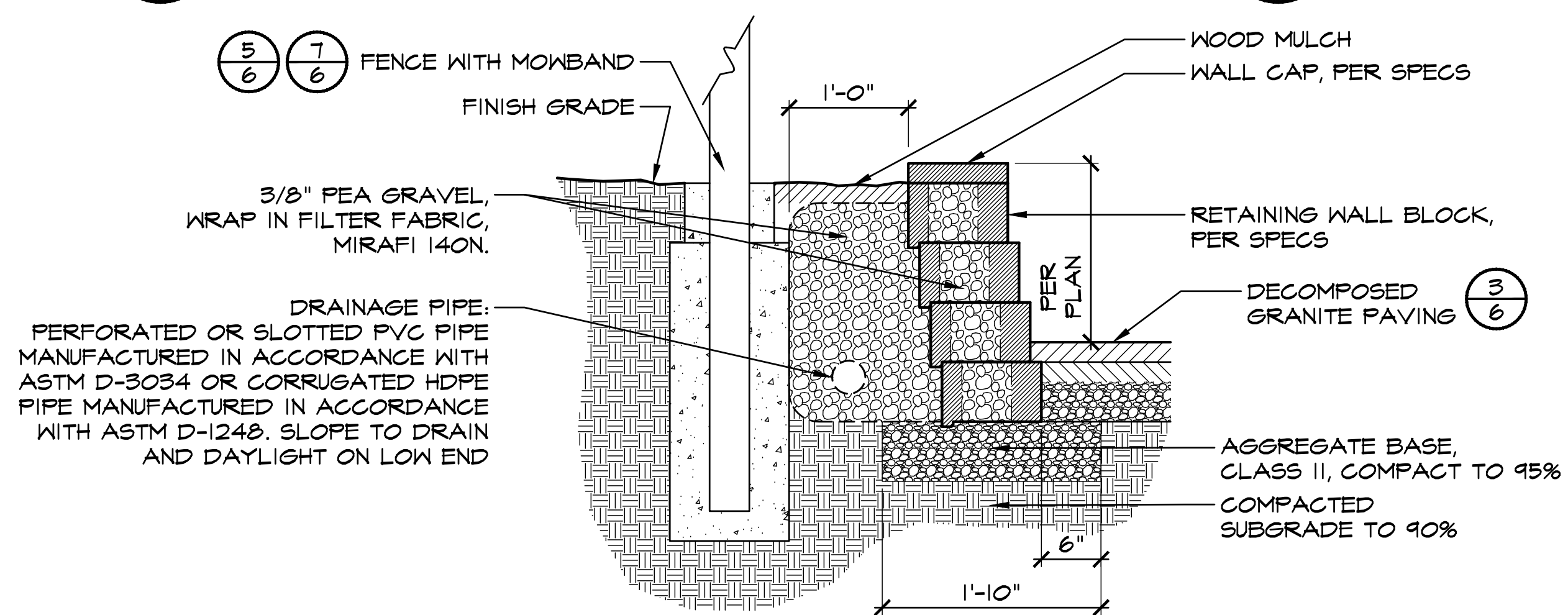
5
7 **DRINKING FOUNTAIN (DISTRICT)**
LAYOUT
18071_DrinkingFountainLayout.dwg



6
7 **MOWBAND NOTCH**
SECTION
18071_MowbandNotch.dwg



7
7 **SOLAR EQUIPMENT LAYOUT (DISTRICT)**
PLAN
18071_SolarEquipmentLayout.dwg



8
7 **RETAINING WALL**
SECTION
18071_033366CMURetainingWall_12.dwg

NOTES:
1. PROVIDE 6" CLEARANCE FROM BACK EDGE OF FOUNTAIN TO BACK EDGE OF CONCRETE PAD.
2. SEE ENLARGEMENT PLAN FOR EXACT LOCATION OF COMPONENTS.

Revisions

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LANDSCAPE ARCHITECT
Signature
May 21, 2020
Renewal Date
Date
STATE OF CALIFORNIA

CONSTRUCTION DETAILS
CABANA PARK - PHASE 1
FOOTHILL FARMS, CALIFORNIA

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Date	02/26/2019
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Project No.	18071
Cadd File	
Sheet No.	7
of	19

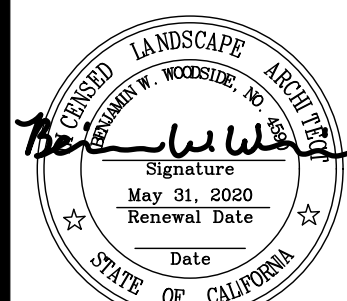


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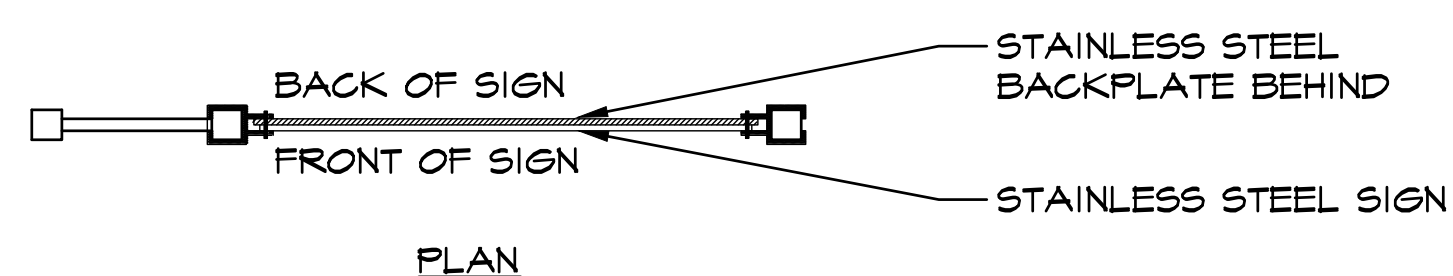
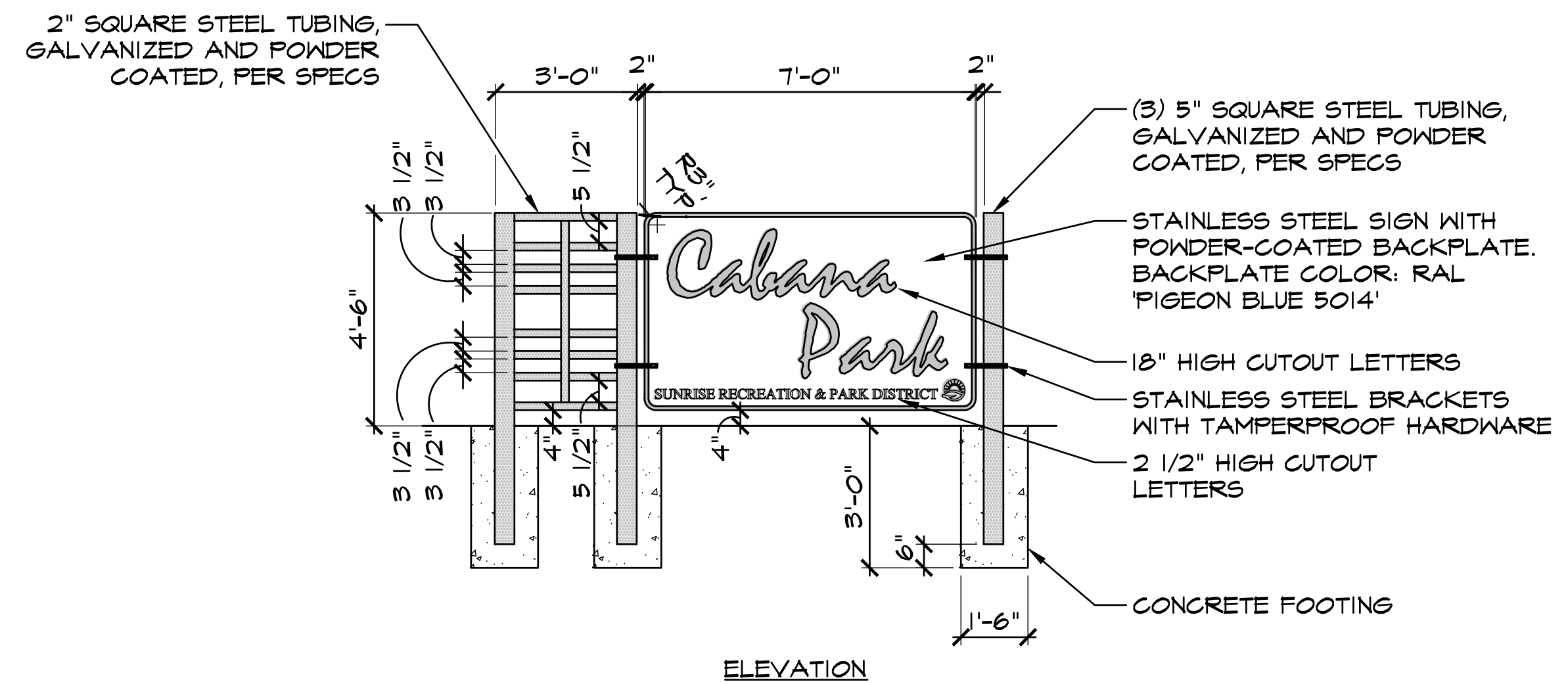
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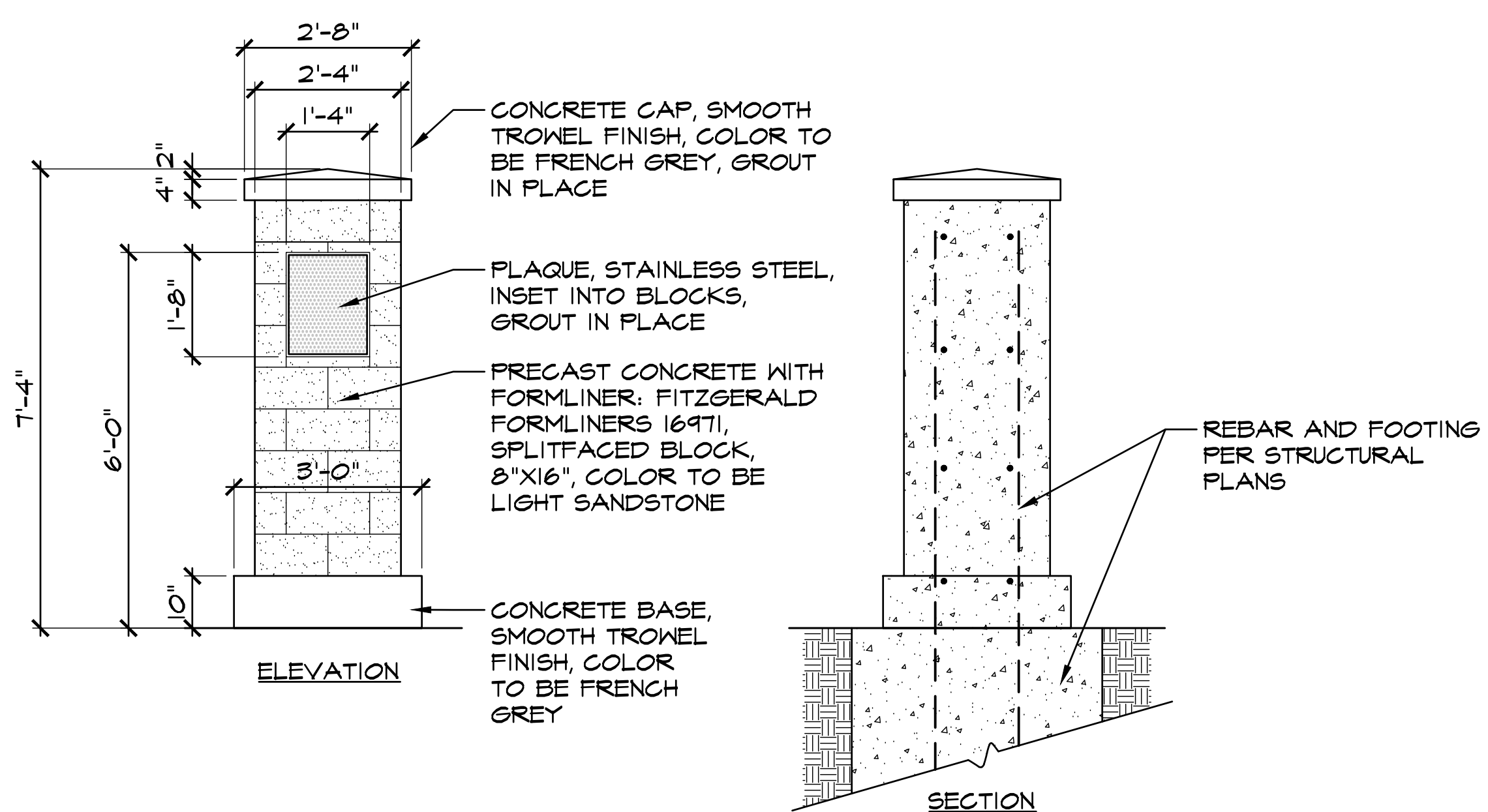
BID SET
CONSTRUCTION DETAILS
CABANA PARK - PHASE 1
FOOTHILL FARMS, CALIFORNIA



NOTE:
SIGN TO BE PROVIDED BY SMITH STEELWORKS AND
INSTALLED BY DISTRICT. SMITH STEELWORKS TO PROVIDE
SHOP DRAWINGS. CONTACT: RUSSEL SMITH (801) 414-1724

1 **PARK SIGN (DISTRICT)**
8 **SECTION**

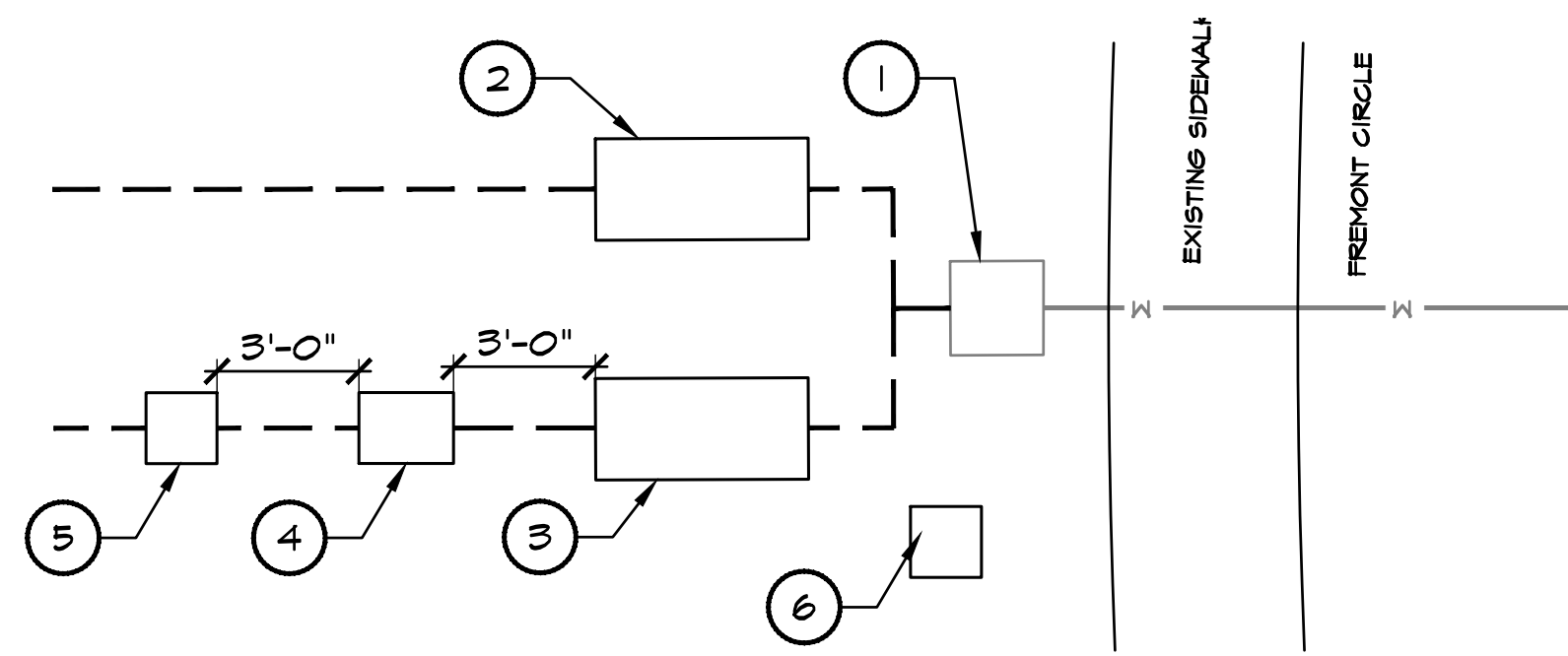
18071_EntrySign.dwg



2 **MEMORIAL (DISTRICT)**
8 **ELEVATION**

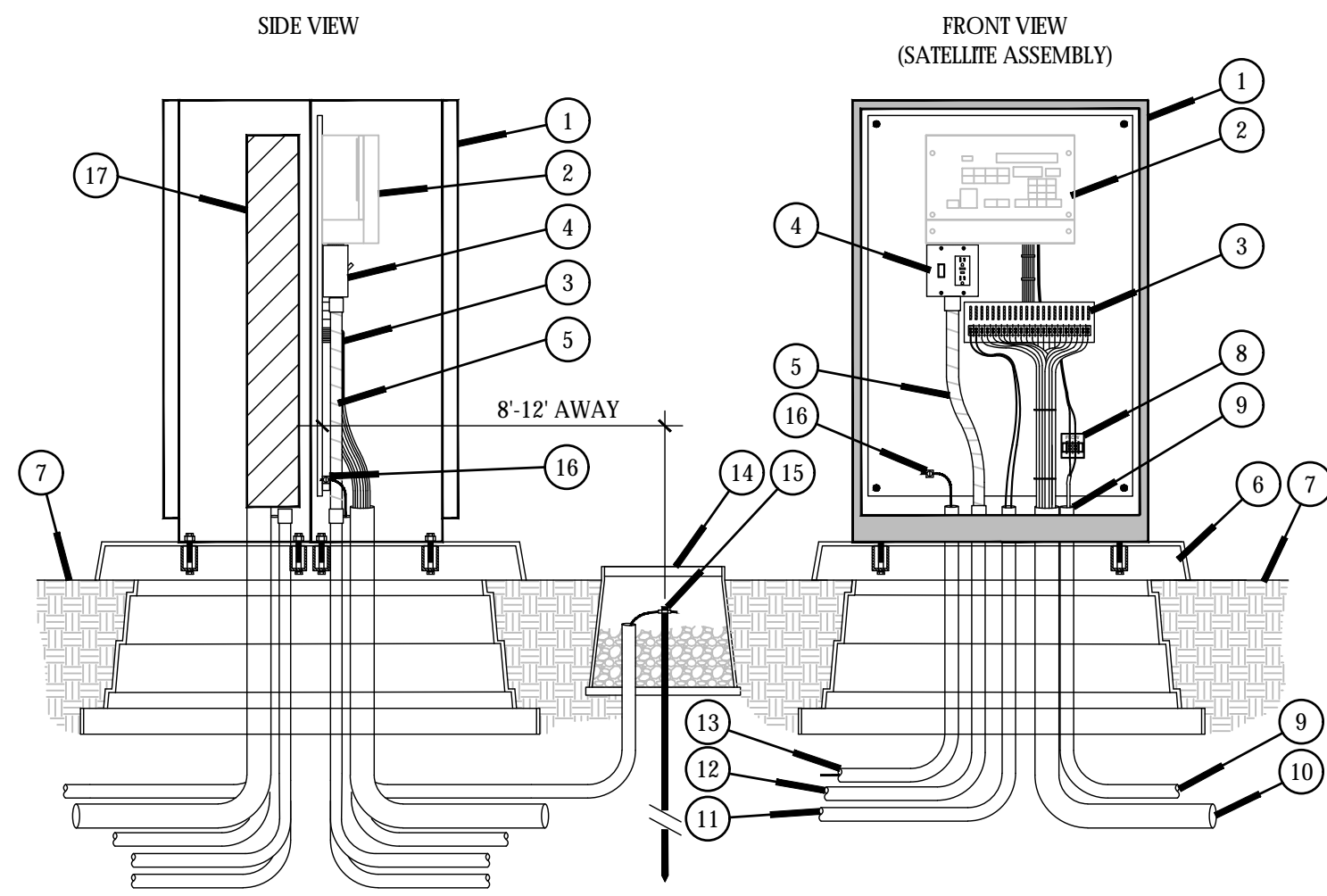
18071_Memorial.dwg

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Sheet No.	8
of	19



POINT OF CONNECTION ENLARGEMENT

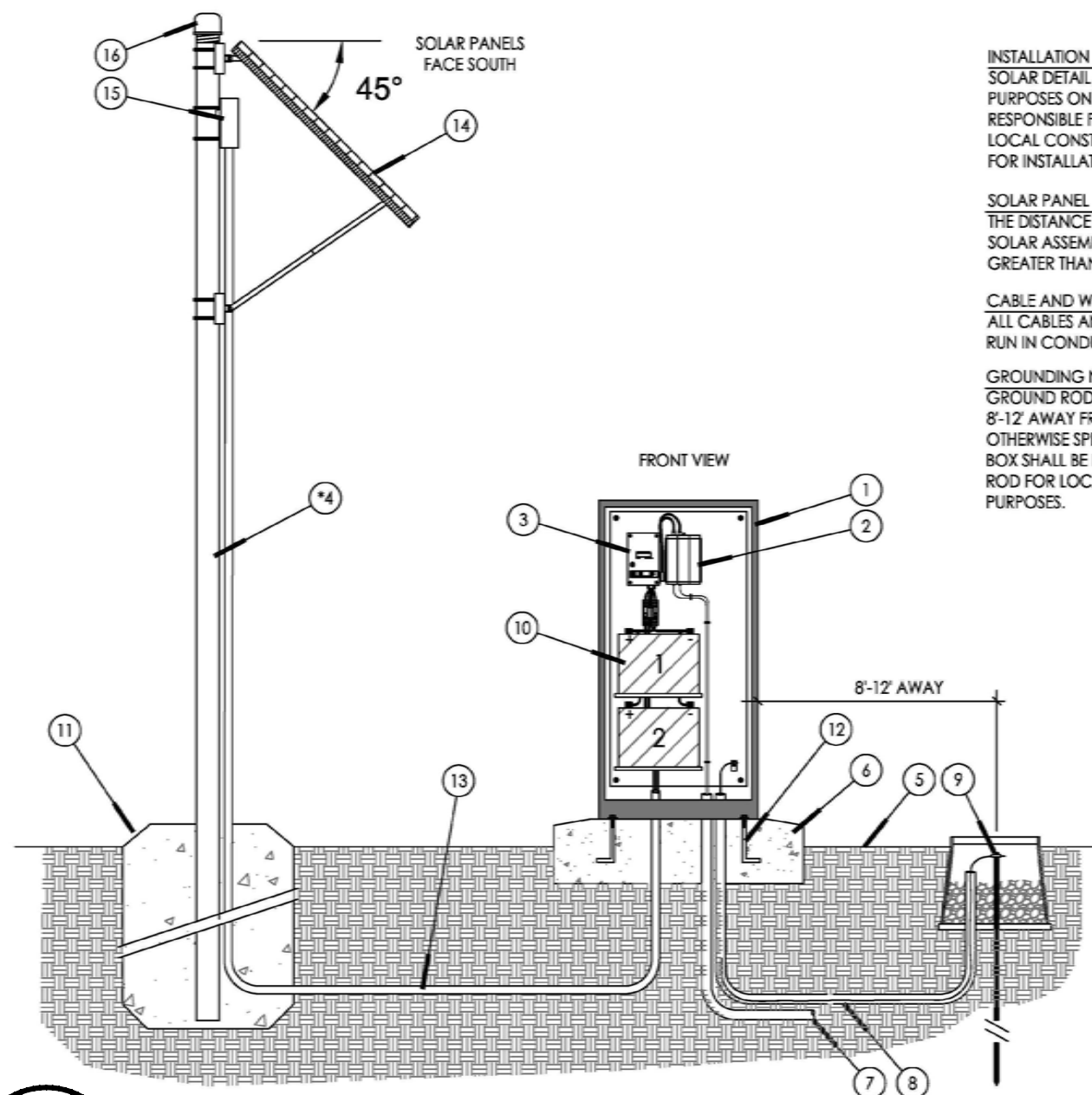
- 1 EXISTING WATER METER
- 2 BACKFLOW PREVENTOR 1, PER CIVIL PLANS
- 3 BACKFLOW PREVENTOR 2, PER CIVIL PLANS
- 4 MASTER VALVE, PER IRRIGATION PLAN
- 5 FLOW SENSOR, PER IRRIGATION PLAN
- 6 IRRIGATION CONTROLLER, PER PLANS



- 1 STRONGBOX STAINLESS STEEL NEMA 3R RAINPROOF ENCLOSURE (UL LISTED).
- 2 SATELLITE ASSEMBLY. ASSEMBLED ON BACKBOARD BY SITEONE GREEN TECH.
- 3 TERMINAL STRIP FOR VALVE WIRES.
- 4 POWER SWITCH / GFCI RECEPTACLE.
- 5 ELECTRICAL FLEX CONDUIT FOR POWER.
- 6 EMP-24D, STRONGBOX QUICK-PAD. FILL WITH 3/4" CRUSHED ROCK.
- 7 FINISHED GRADE.
- 8 FLOW SENSOR TERMINAL BOARD.
- 9 1" CONDUIT AND SWEEP ELL WITH FLOW SENSOR CABLE.
- 10 3" CONDUIT AND SWEEP ELL FOR LEAD WIRES.
- 11 1" CONDUIT AND SWEEP ELL FOR MASTER VALVE WIRES.
- 12 1" CONDUIT AND SWEEP ELL FOR 110 VAC POWER LINE.
- 13 1" CONDUIT AND SWEEP ELL FOR GROUND WIRE.
- 14 10" ROUND VALVE BOX AROUND GROUND ROD. FILL WITH 3/4" CRUSHED ROCK.
- 15 5/8" X 8" GROUND ROD WITH #6 GROUND WIRE AND CLAMP. LOCATE 8'-12" FROM ENCLOSURE.
- 16 #6 GROUND WIRE SECURED TO BACKBOARD GROUNDING TERMINAL.
- 17 SOLAR ASSEMBLY

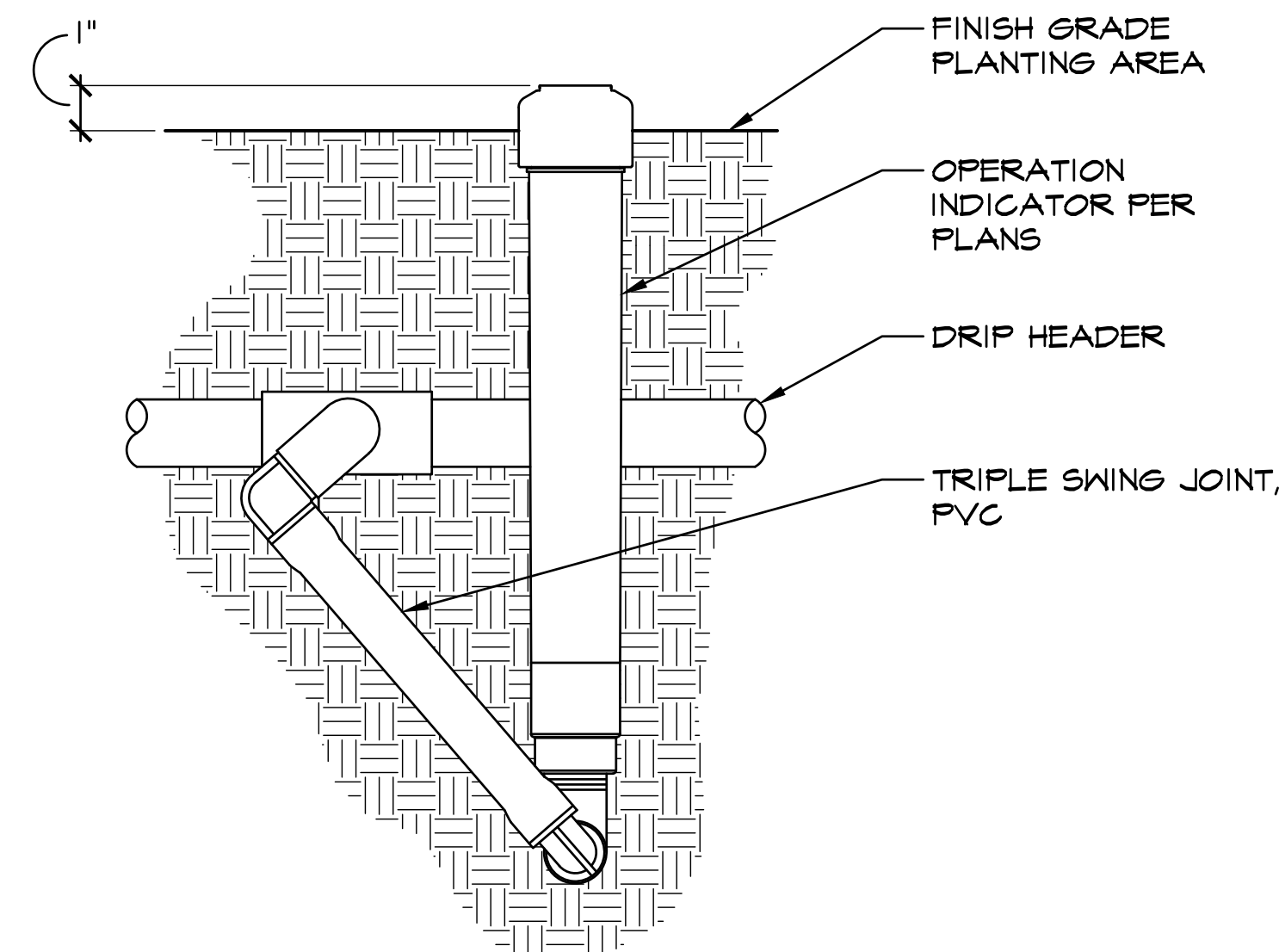
1 IRRIGATION POINT OF CONNECTION (DISTRICT) PLAN
9 18071.dwg

2 DOUBLE PANEL ASSEMBLY (DISTRICT) SECTION
9 N.T.S.

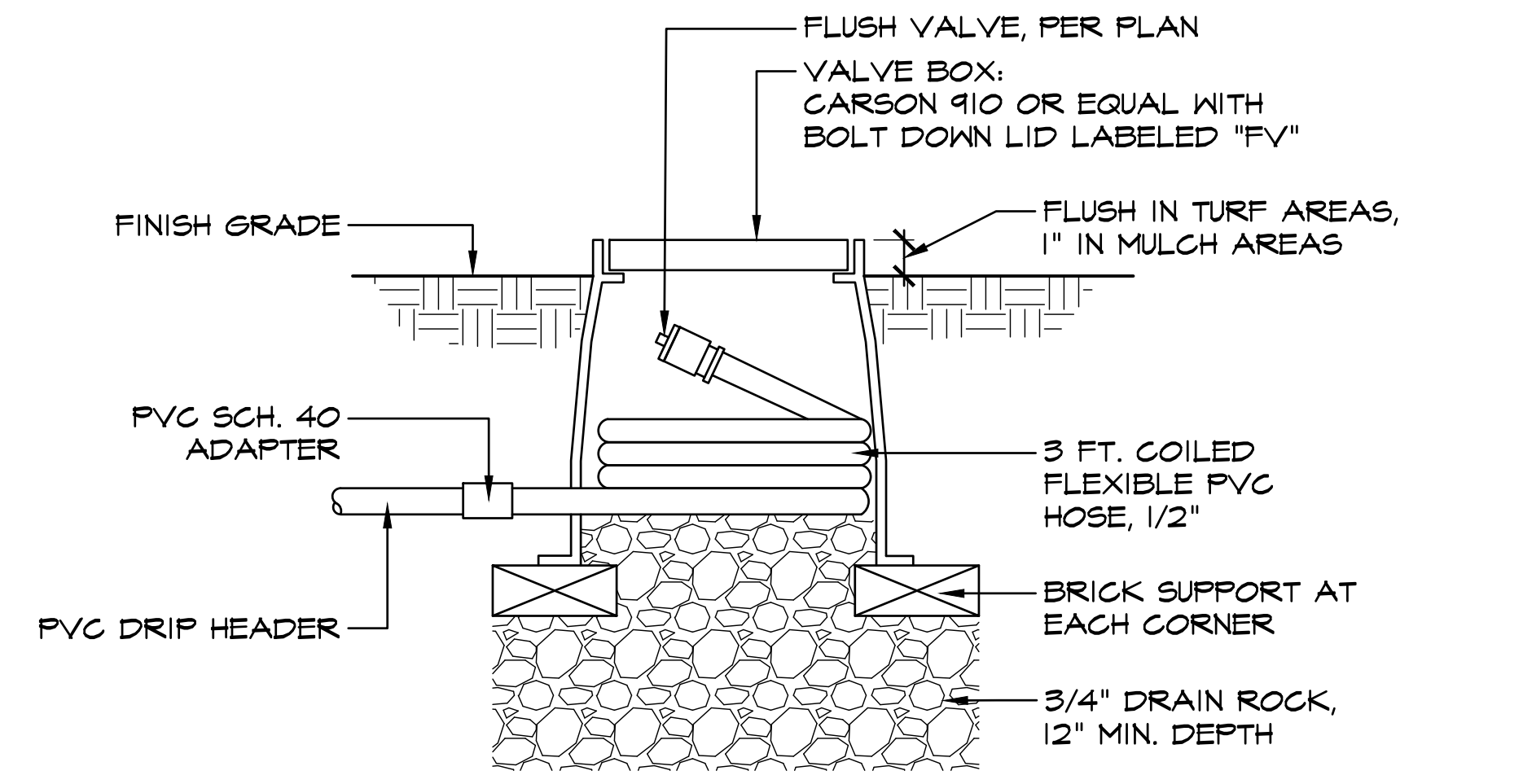


- INSTALLATION NOTE: SOLAR DETAIL IS TO BE USED FOR ILLUSTRATIVE PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL LOCAL CONSTRUCTION AND SAFETY CODES FOR INSTALLATION OF THE SOLAR PANEL.
- SOLAR PANEL LOCATION NOTE: THE DISTANCE FROM SOLAR PANEL POLE TO SOLAR ASSEMBLY ENCLOSURE SHALL BE NO GREATER THAN 12'.
- CABLE AND WIRE NOTE: ALL CABLES AND ELECTRICAL WIRES MUST BE RUN IN CONDUIT.
- GROUNDING NOTE: GROUND ROD SHALL BE LOCATED BETWEEN 8'-12" AWAY FROM ENCLOSURE UNLESS OTHERWISE SPECIFIED. A 10" ROUND VALVE BOX SHALL BE INSTALLED OVER THE GROUND ROD FOR LOCATION AND MAINTENANCE PURPOSES.
- 1 STRONGBOX STAINLESS STEEL NEMA 3R RAINPROOF ENCLOSURE AND SOLAR ASSEMBLY BY SITEONE GREEN TECH.
 - 2 POWER INVERTER.
 - 3 CHARGE CONTROLLER.
 - 4 GALVANIZED POLE X 1 1/2" (HEIGHT ABOVE CONCRETE NOT TO EXCEED 10')
 - 5 FINISHED GRADE.
 - 6 4" MIN THICK CONCRETE PAD WITH ANCHOR BOLTS PER MANUFACTURER RECOMMENDATIONS.
 - 7 1-1/2" ELECTRICAL CONDUIT AND SWEEP ELL FOR 120 VAC POWER LINE TO CONTROLLER.
 - 8 1-1/2" PVC CONDUIT AND SWEEP ELL WITH #4 GROUND WIRE TO EXTERNAL GROUND ROD LOCATION.
 - 9 UL LISTED 5/8" X 8" GROUND ROD WITH #6 GROUND WIRE AND CLAMP INSTALLED INSIDE 10" ROUND VALVE BOX.
 - 10 BATTERIES FOR POWER STORAGE. NUMBER OF BATTERIES BASED ON POWER REQUIREMENT.
 - 11 MINIMUM 20" DIAMETER X 60" DEEP CONCRETE POST.
 - 12 ANCHOR BOLTS PROVIDED WITH ENCLOSURE.
 - 13 1" ELECTRICAL CONDUIT AND SWEEPS FOR SOLAR POWER CABLES.
 - 14 MOUNT SOLAR PANEL ON GALVANIZED POLE WITH BRACKET PROVIDED. POLE NOT INCLUDED.
 - 15 SOLAR CHAMBER BOX WITH BREAKERS MOUNTED TO POLE.
 - 16 GALVANIZED END CAP.

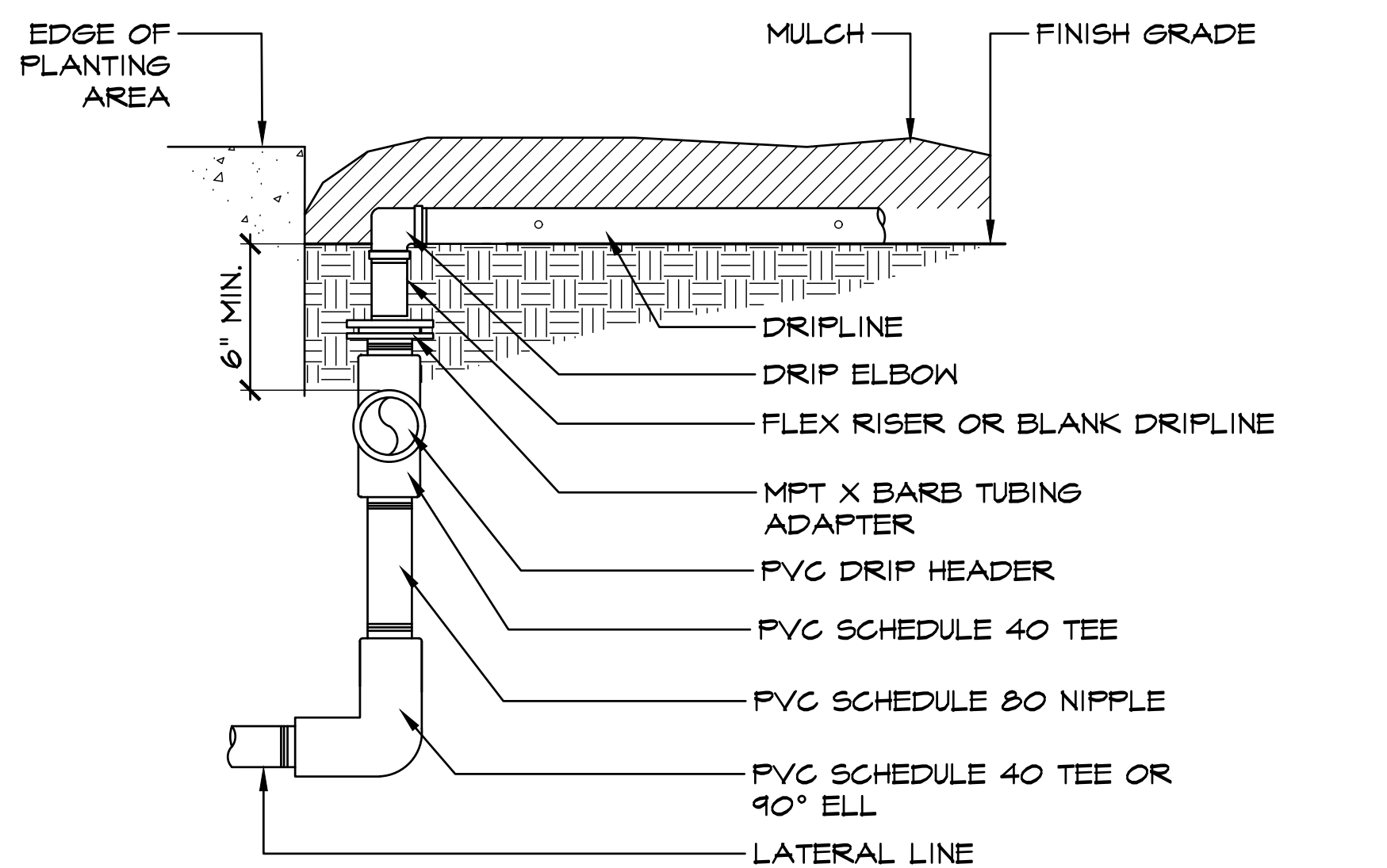
3 SOLAR ASSEMBLY (DISTRICT) SECTION
9 N.T.S.



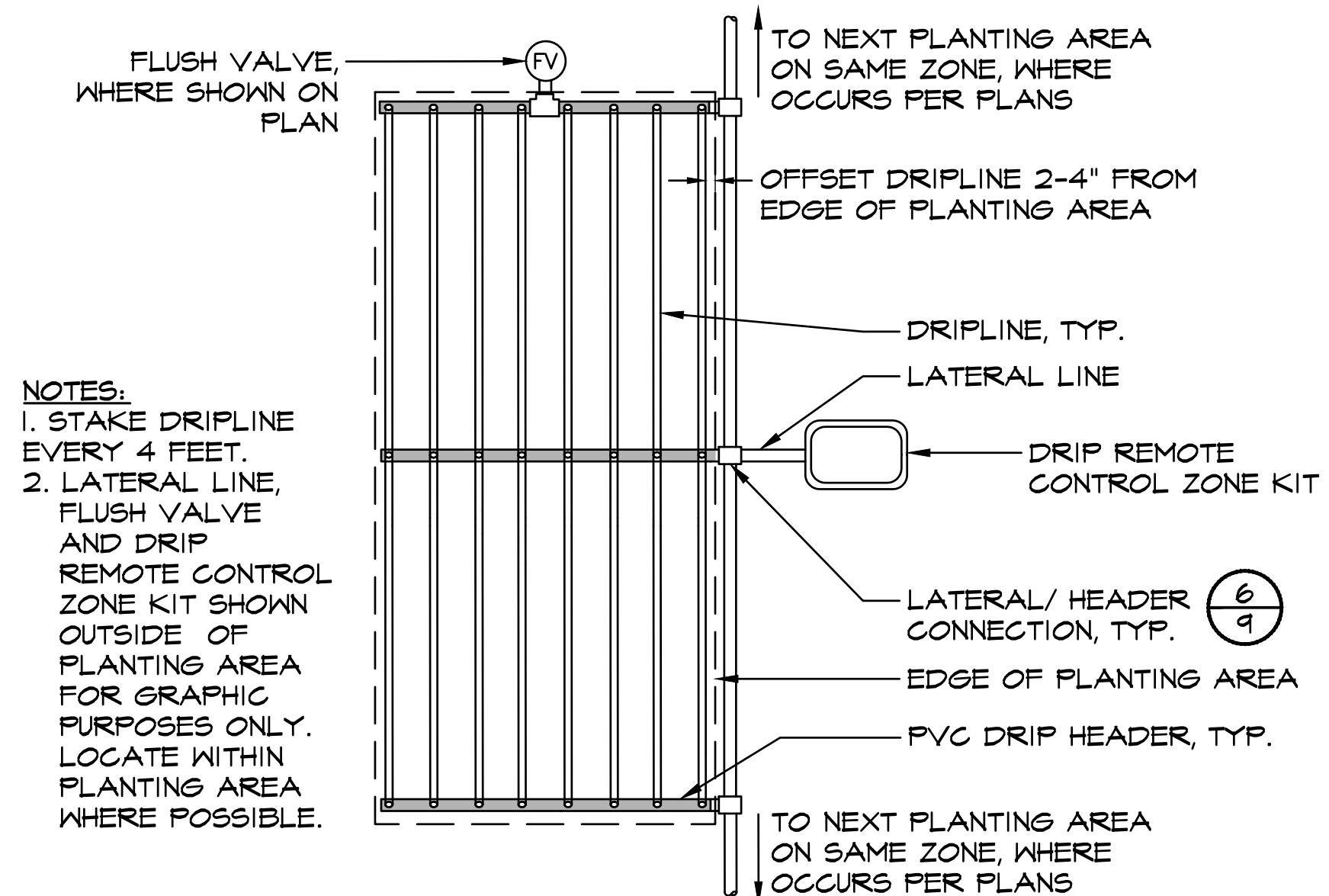
4 INLINE DRIP INDICATOR (DISTRICT) SECTION
9 18071_328400_DripIndicator_1.dwg N.T.S.



5 DRIP SYSTEM FLUSH VALVE (DISTRICT) SECTION
9 18071_328400_DripFlushValve_8.dwg N.T.S.



6 INLINE DRIP LATERAL HEADER CONNECTION (DISTRICT) SECTION
9 18071_I7026 Drip Lateral Header Connection 8.dwg N.T.S.



7 DRIP LAYOUT CENTER (DISTRICT) PLAN
9 18071_328400_DripLayoutCenter_1.dwg N.T.S.

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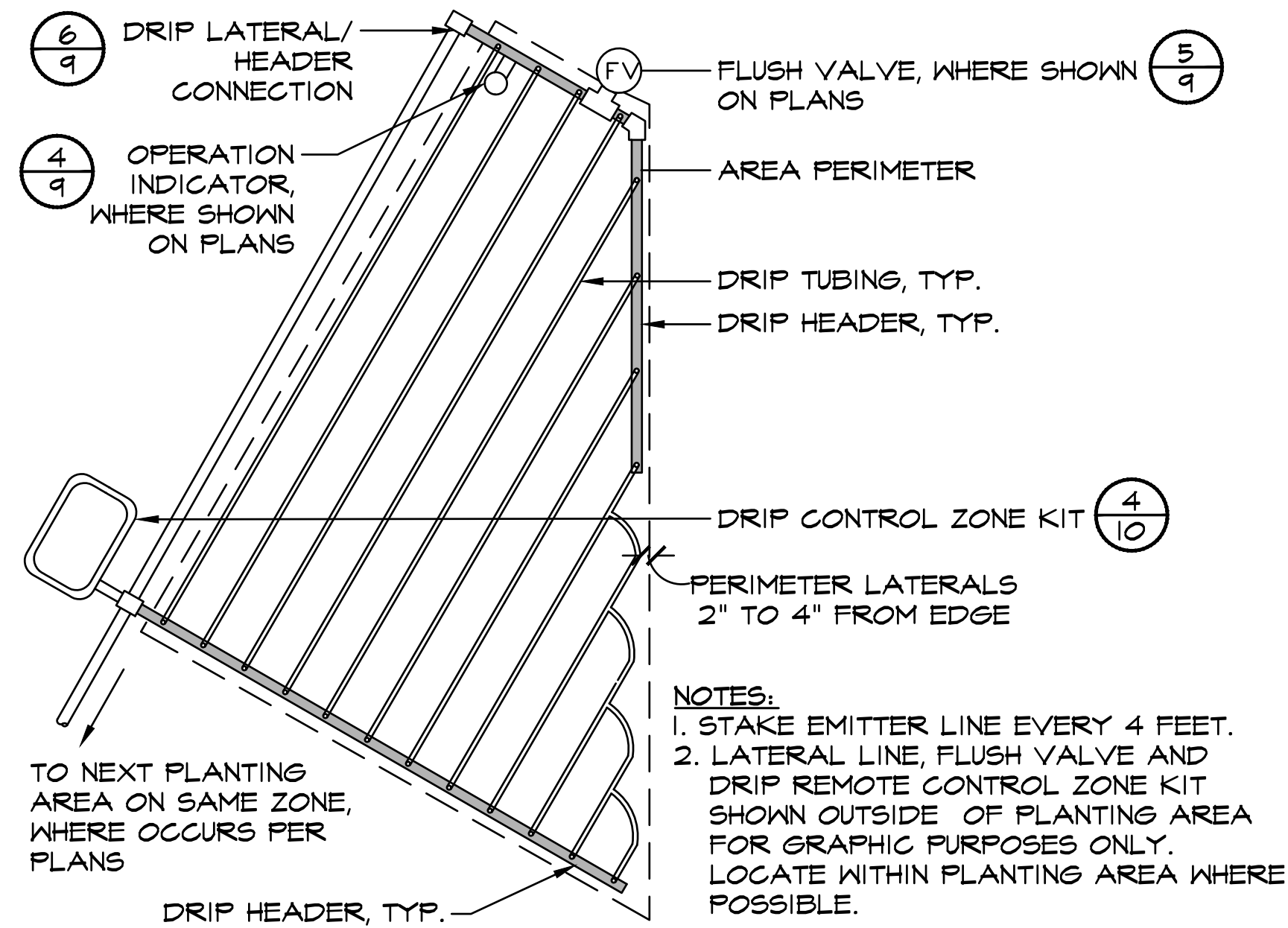
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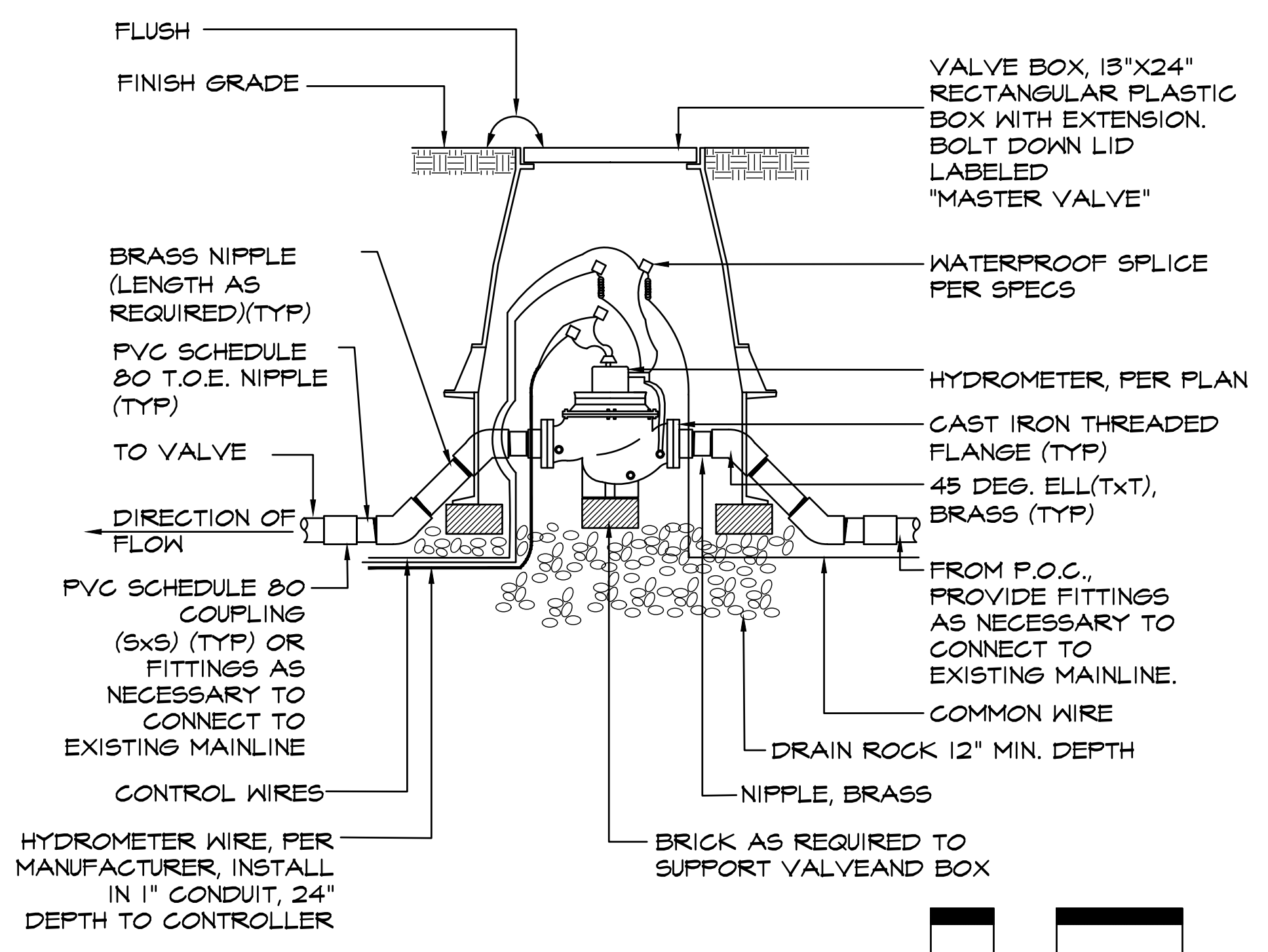
LANDSCAPE ARCHITECT
No. 10000
May 31, 2020
Renewal Date

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CABANA PARK - PHASE 1
FOOTHILL FARMS, CALIFORNIA

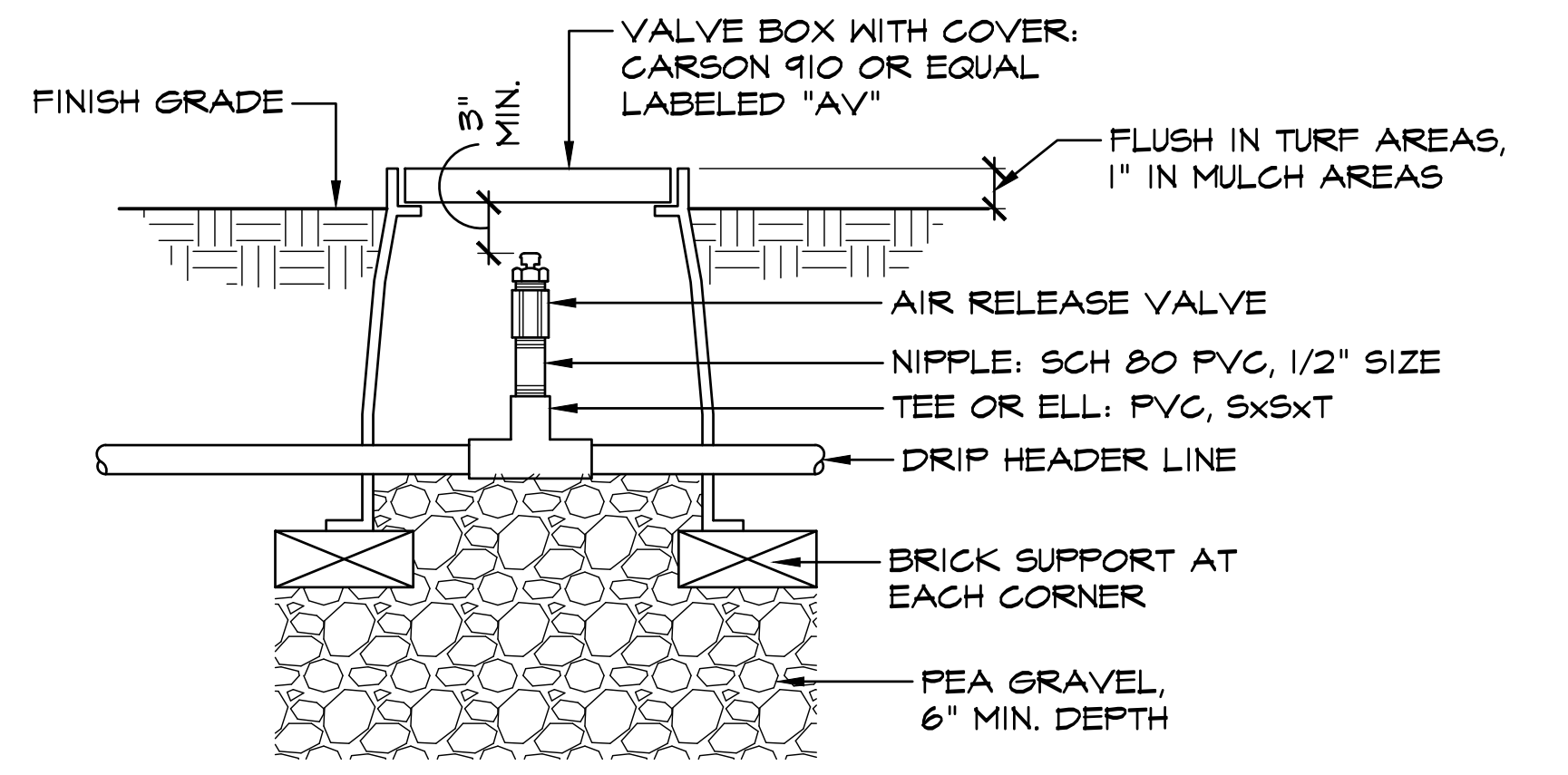
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Sheet No.	9
of	19



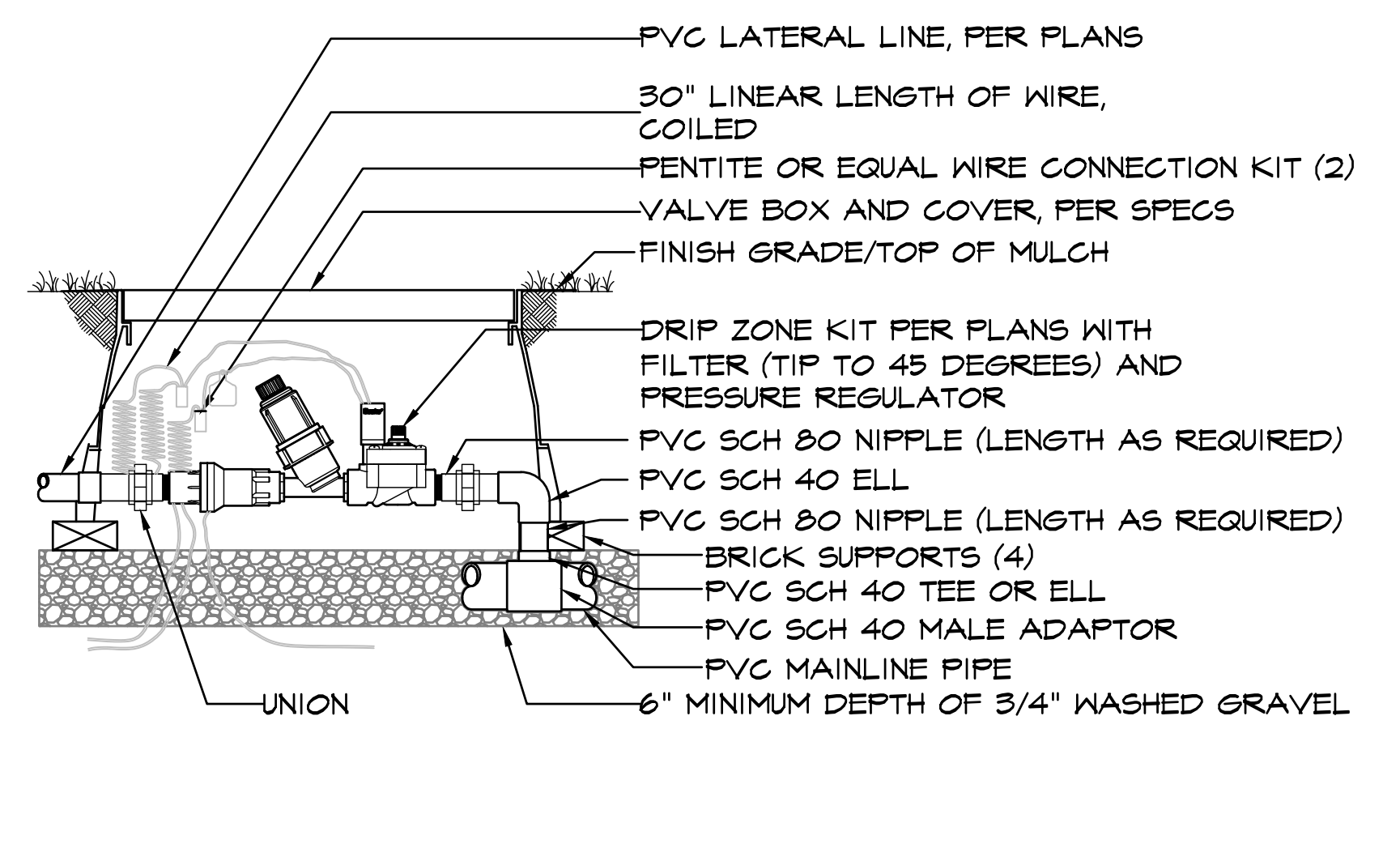
1 **DRIPLINE LAYOUT IRREGULAR (DISTRICT)** N.T.S.
10 **PLAN**
18071_328400_DripLayoutIrregular_1.dwg



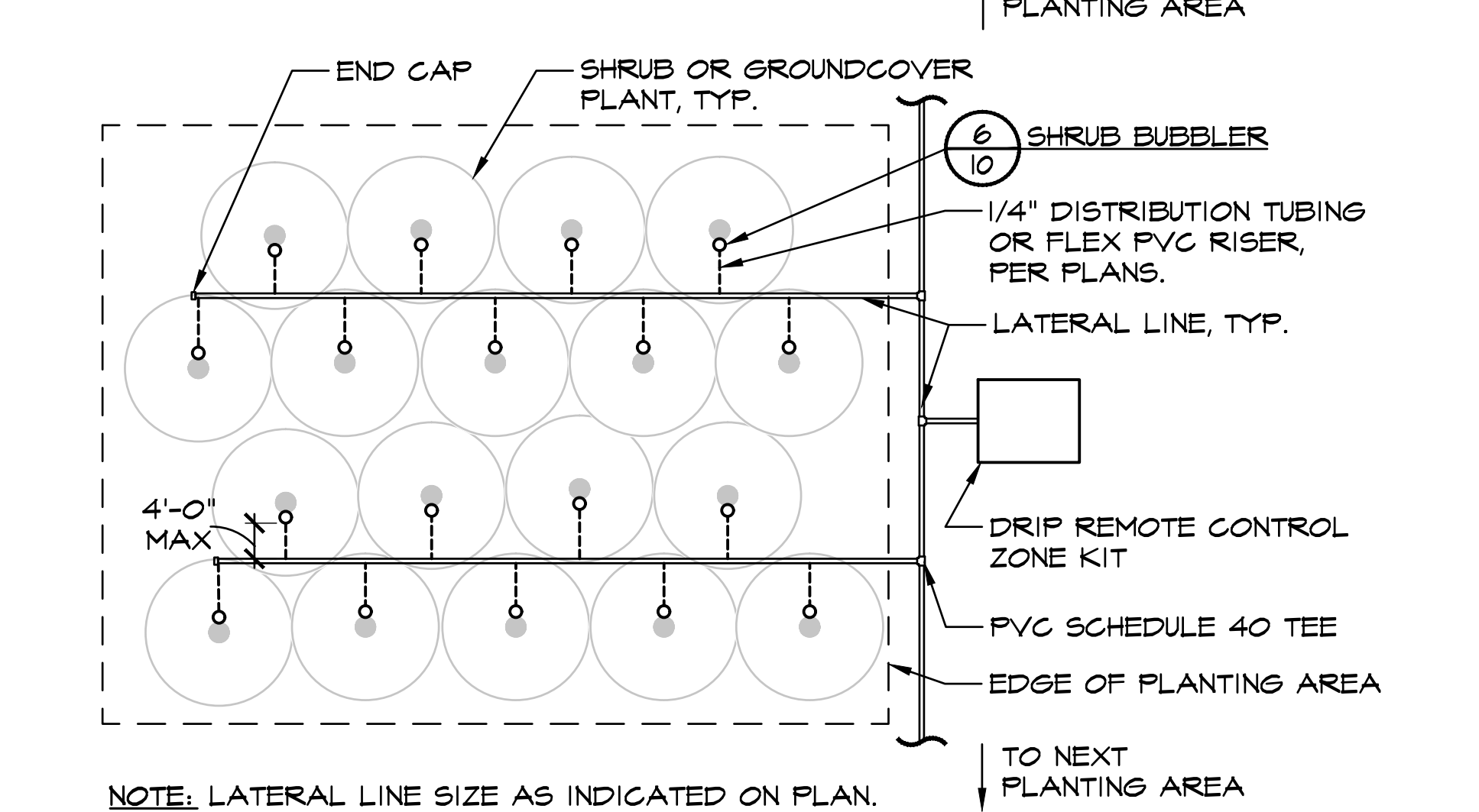
2 **HYDROMETER (DISTRICT)** N.T.S.
10 **ELEVATION**
18071_328400_Hydrometer.dwg



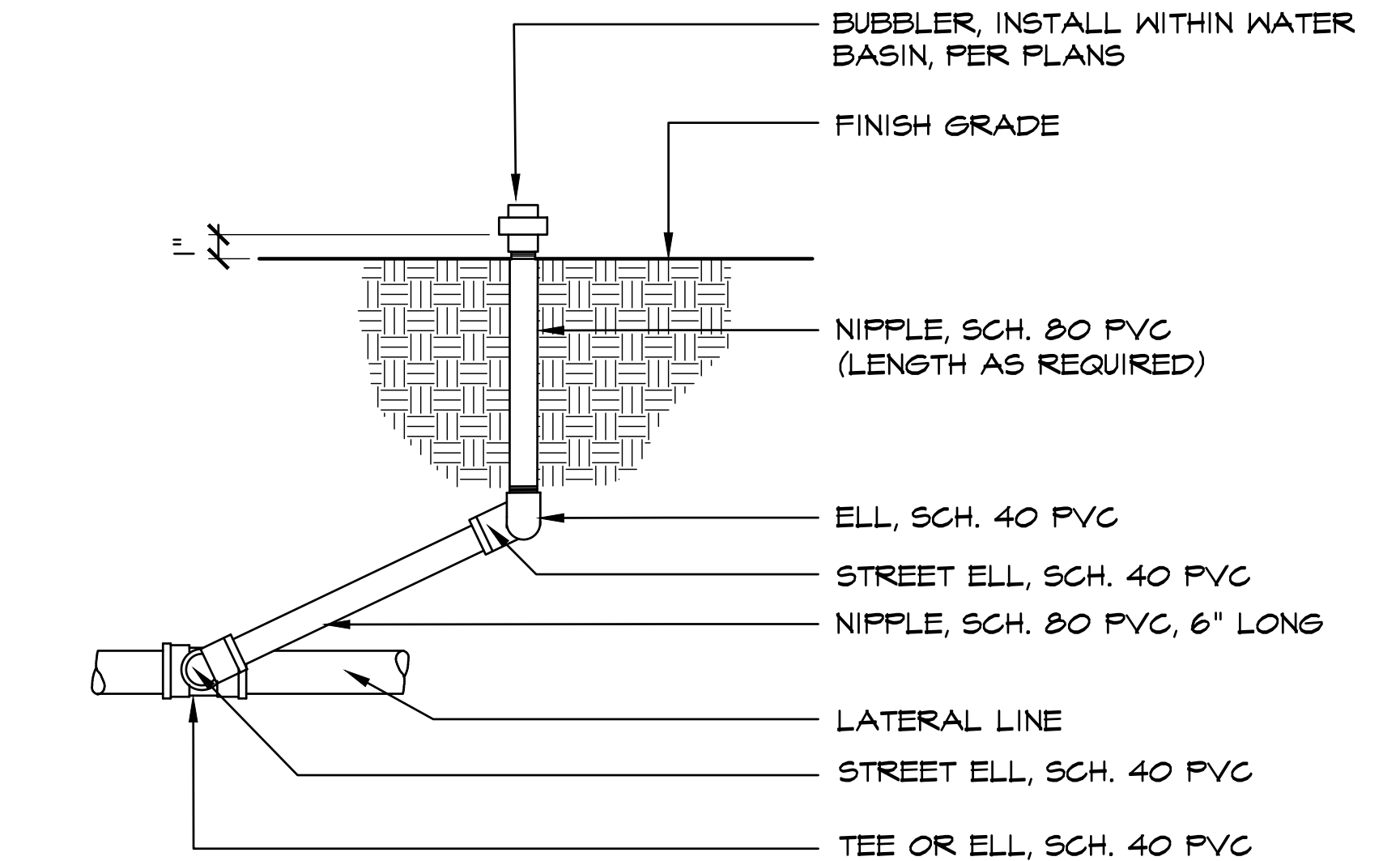
3 **AIR RELEASE VALVE (DISTRICT)** N.T.S.
10 **ELEVATION**
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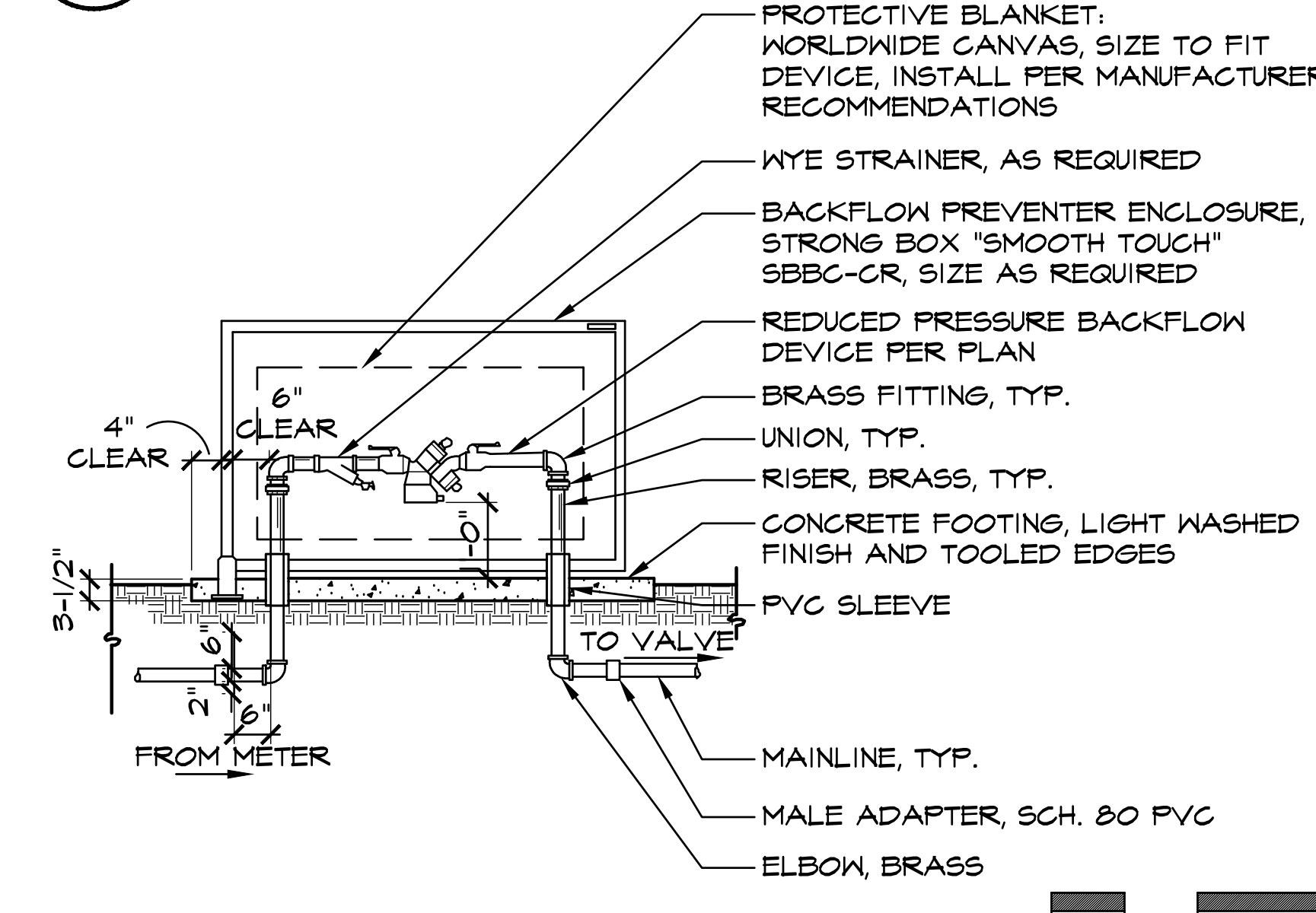
4 **DRIP ZONE CONTROL KIT (DISTRICT)** N.T.S.
10 **ELEVATION**
18071_328400_DripControlZoneKit_8.dwg



5 **BUBBLER DRIP LAYOUT (DISTRICT)** N.T.S.
10 **PLAN**
18071_02810_Bubbler Drip Layout 48.dwg



6 **SHRUB BUBBLER (DISTRICT)** N.T.S.
10 **PLAN**
18071_328400_Bubbler1_8.dwg



7 **BACKFLOW PREVENTOR (DISTRICT)** N.T.S.
10 **ELEVATION**
18071_02815bfp13.dwg

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EXHIBIT 1 - WASHINGTON
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STATE OF CALIFORNIA

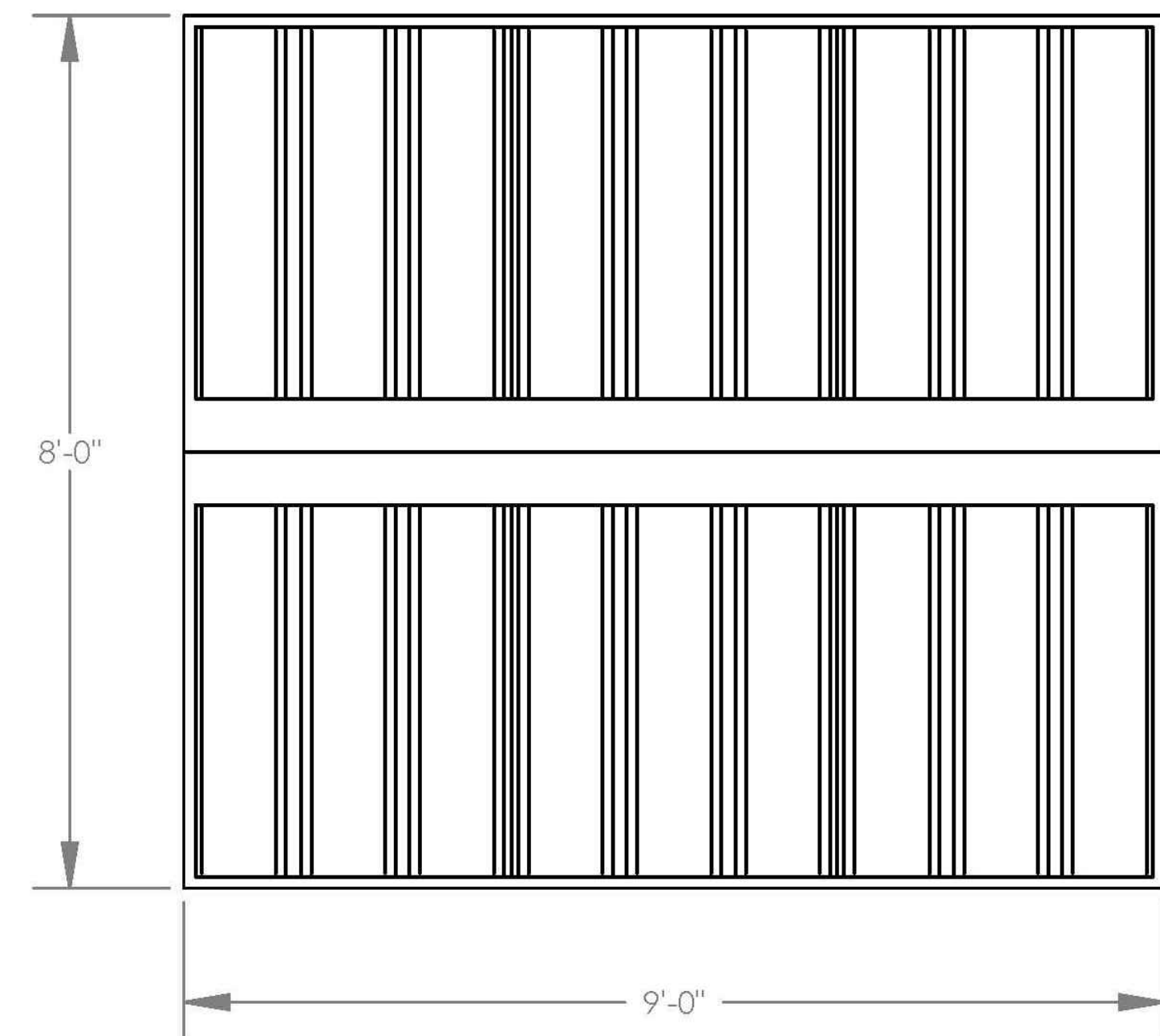
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CONSTRUCTION DETAILS

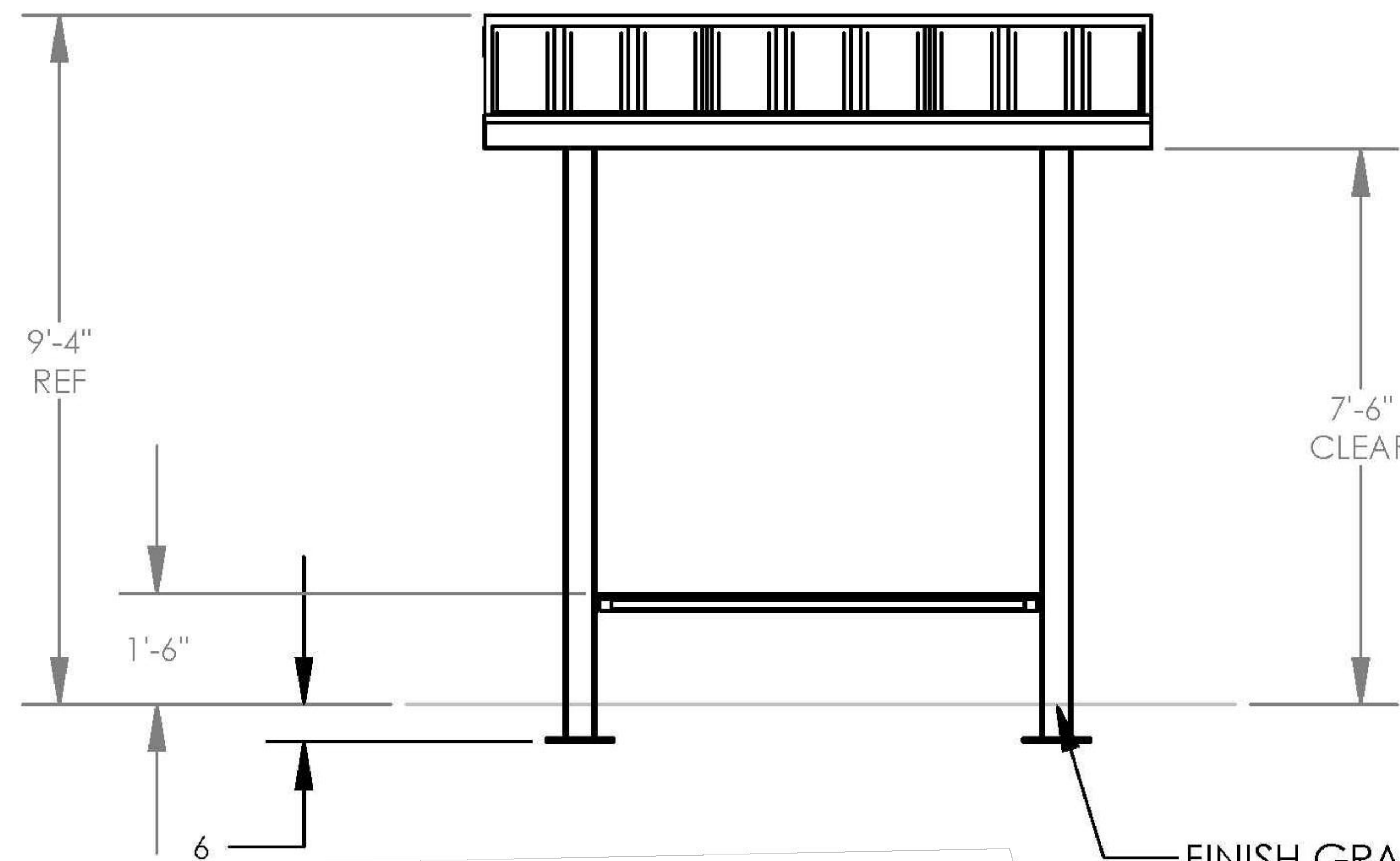
CABANA PARK - PHASE 1

FOOTHILL FARMS, CALIFORNIA

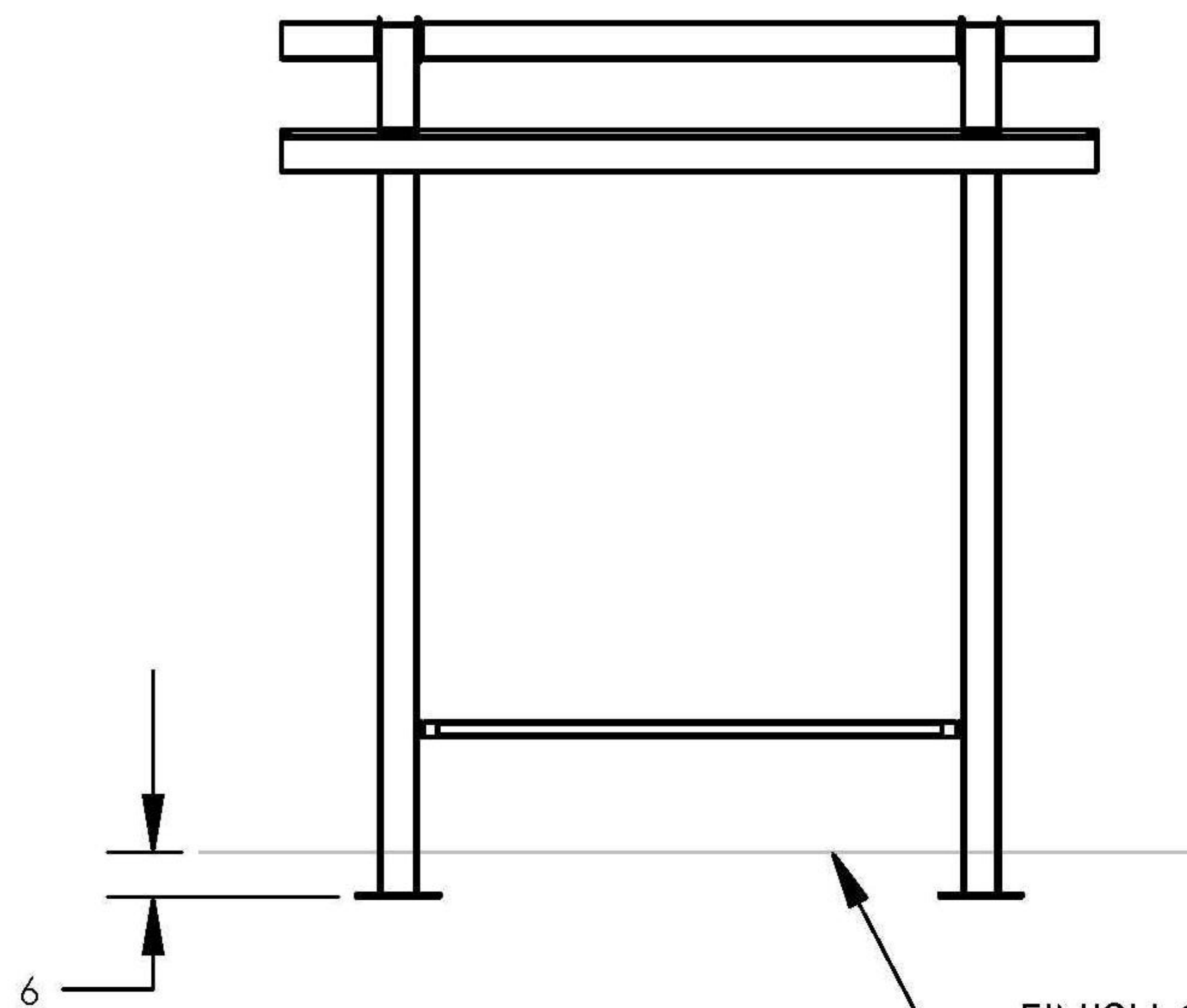
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Sheet No.	10
of	19



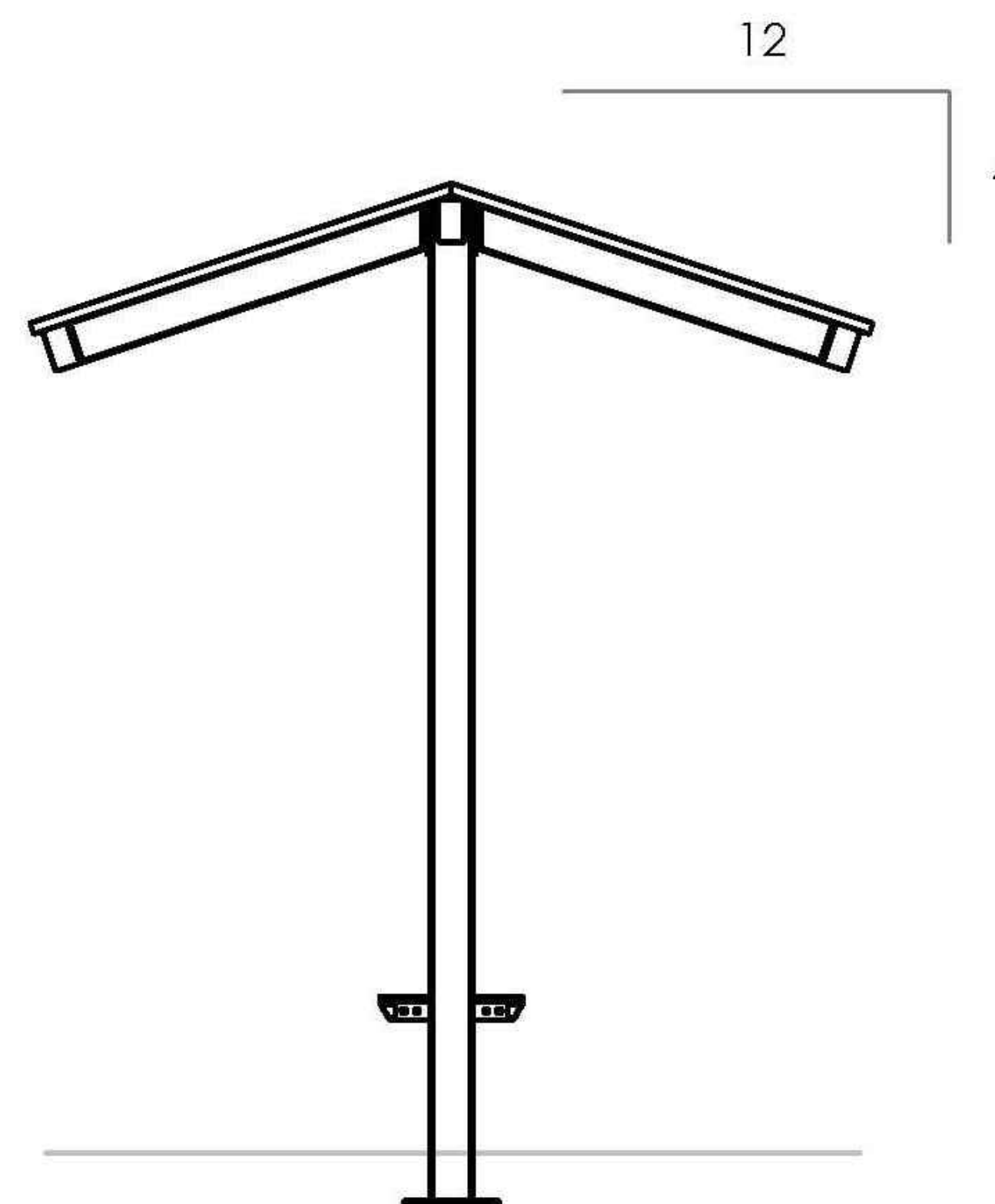
1
11 **SUN SHELTER - ROOF PLAN**



2
11 **SUN SHELTER - FRONT ELEVATION**



3
11 **SUN SHELTER FRAMING - FRONT ELEVATION**



4
11 **SUN SHELTER - SIDE ELEVATION**



BASEPLATE NOTES:

1. POLYGON ENGINEERING WILL DETERMINE REQUIRED BASEPLATE DESIGN AFTER ENGINEERING PACKAGE IS ORDERED.
2. CUSTOMER MAY SUGGEST PREFERRED BASEPLATE DESIGN.

5
11 **COLUMN LAYOUT PLAN**

NOTE: DISTRICT TO OBTAIN ENGINEERING PLANS

STOP!!
NOT FOR CONSTRUCTION
USE FOR PRELIMINARY
PLANNING AND ESTIMATING
ONLY

GENERAL ROOF NOTES:

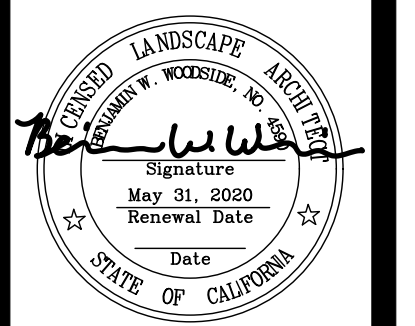
1. METAL ROOFING:
 - 24 GAUGE
 - GALVALUME COATED
 - KYNAR 500 PAINTED
2. TRIM COLOR MATCHES ROOF
3. SEE POLYGON.COM FOR COLOR OPTIONS



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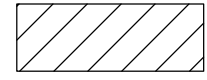
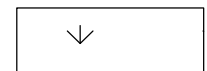




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CABANA PARK - PHASE 1
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Project No.	18071
Cadd File	
Sheet No.	11
of	19

LEGEND

-  REMOVE EXISTING ASPHALT CONCRETE AND AGGREGATE BASE (BY OTHERS)
-  CLEAR AND GRUB
-  REMOVE EXISTING CONCRETE
-  SAWCUT
-  TEMPORARY CONSTRUCTION FENCE
-  LIMIT OF WORK

GENERAL NOTES

1. ALL TREES SHALL REMAIN AND BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED TO BE DEMOLISHED AND REMOVED.
2. "REMOVE" MEANS TO REMOVE AND DISPOSE OF IN A LEGAL MANNER.
3. "PROTECT" MEANS TO SECURE AND PREVENT DAMAGE TO AN EXISTING ITEM, INCLUDING ANY TEMPORARY MEASURES SUCH AS FENCES, BARRICADES, AND SHORING. ANY ITEM DESIGNATED TO BE PROTECT THAT IS DAMAGED SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST.



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BKF ENGINEERS
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BKF PROJECT NO: 20191874-10



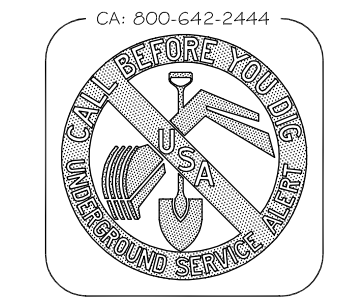
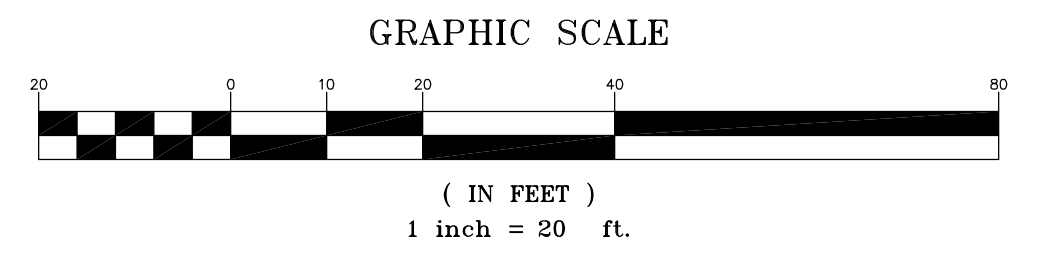
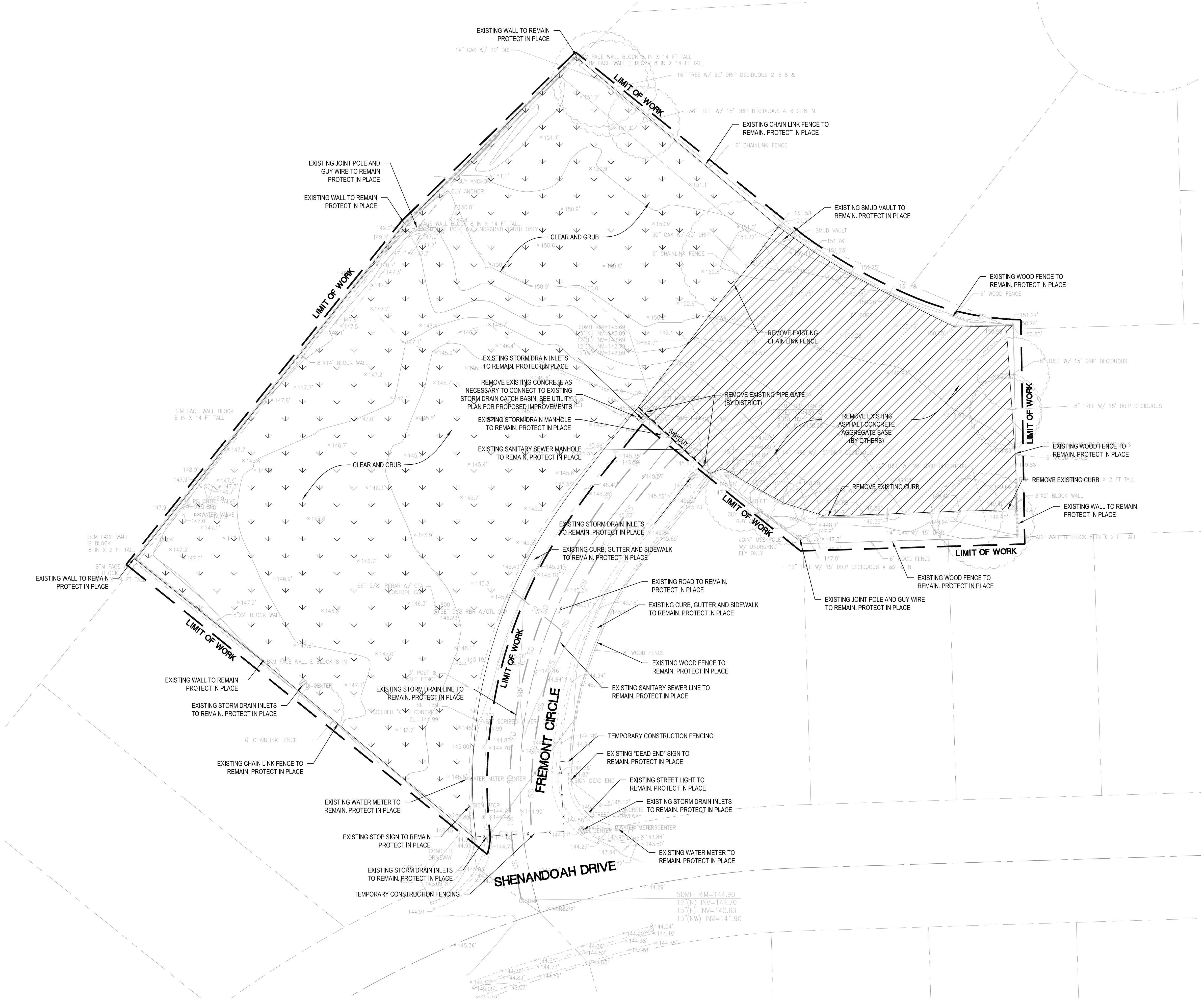
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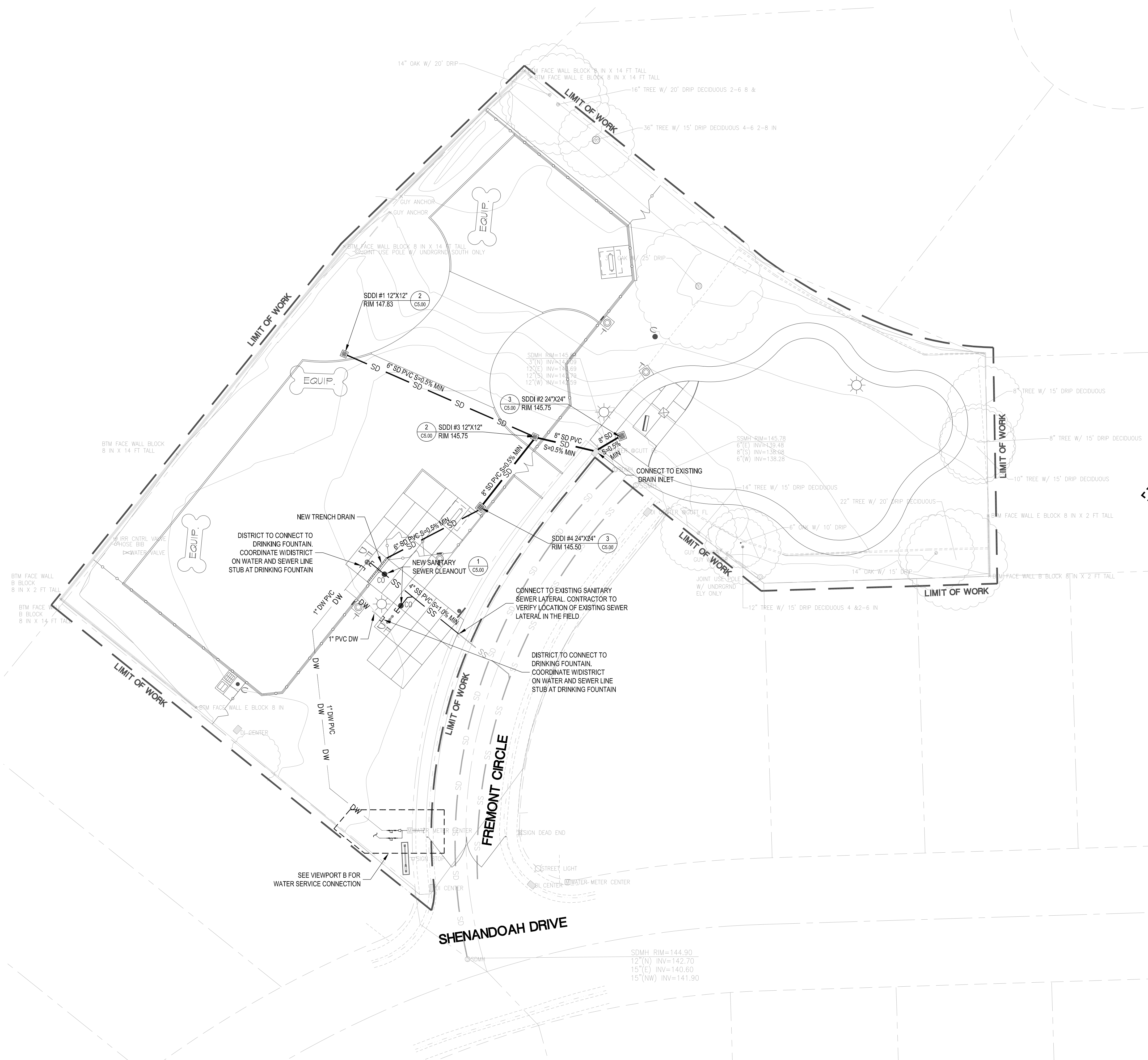
SITE DEMOLITION PLAN

CABANA PARK - PHASE 1

FOOTHILL FARMS, CALIFORNIA

Date	02/26/2019
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Project No.	18071
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Sheet No.	C1.00
of	19



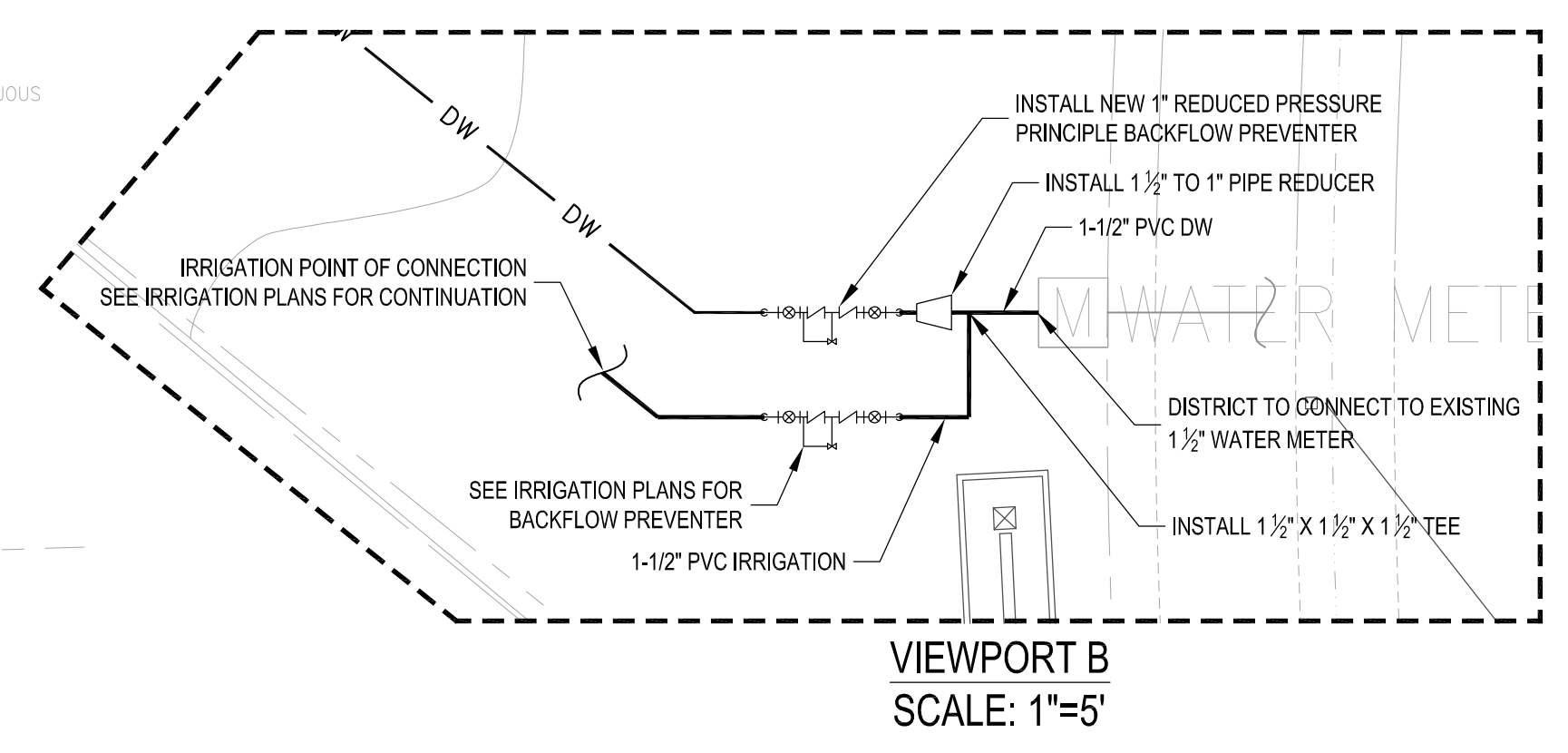


LEGEND

- SS — EXISTING SANITARY SEWER LINE
- SD — EXISTING STORM DRAIN LINE
- SS — PROPOSED SANITARY SEWER LINE
- DW — PROPOSED DOMESTIC WATER LINE
- SD — PROPOSED STORM DRAIN LINE
- |-|- PROPOSED BACKFLOW PREVENTER
- ◻ PROPOSED PIPE REDUCER
- CO PROPOSED SEWER CLEANOUT
- PROPOSED STORM DRAIN INLET
- PROPOSED TRENCH DRAIN

GENERAL NOTES

- ALL WATER RELATED ITEMS SHOWN ON THE PLANS WILL BE INSTALLED BY THE DISTRICT.
- CONTRACTOR SHALL VERIFY INVERT ELEVATIONS OF EXISTING UTILITY STRUCTURES PRIOR TO THE INSTALLATION OF PROPOSED UTILITIES.
- CONTRACTOR TO INSTALL GRAVITY LINES STARTING AT THE OUTFALL AND WORK UPSTREAM.
- DISTRICT TO CONNECT TO DRINKING FOUNTAIN. COORDINATE WITH DISTRICT ON WATER AND SEWER LINE STUB AT DRINKING FOUNTAIN.



VIEWPORT B
SCALE: 1"=5'

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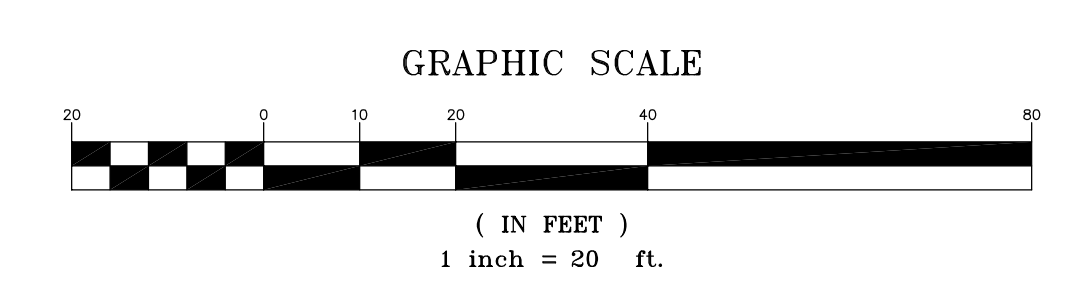
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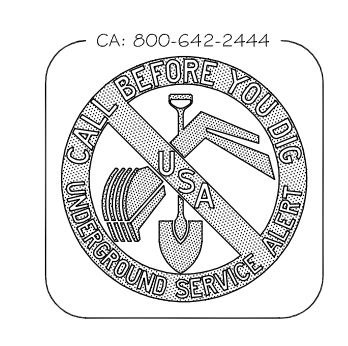
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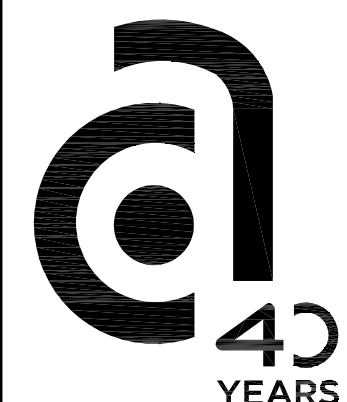


SITE UTILITY PLAN
CABANA PARK - PHASE 1
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Date	02/26/2019
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Cadd File	
Sheet No.	C2.00
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SITE GRADING PLAN

CABANA PARK - PHASE 1

FOOTHILL FARMS, CALIFORNIA

Date 02/26/2019

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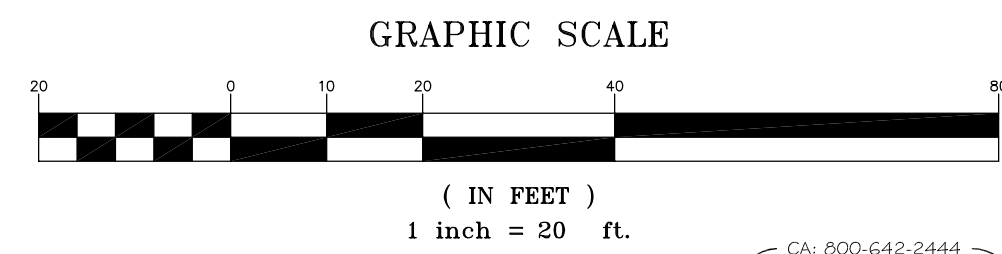
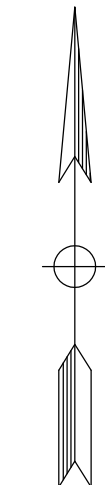
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of 19

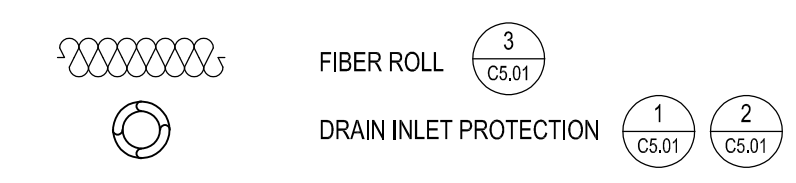
GRADING AND EARTHWORK NOTES:

1. FILL MATERIAL SHALL CONFORM TO THE PROJECT SPECIFICATIONS.
2. TOPSOIL, ROOTS, VEGETABLE MATTER, TRASH AND DEBRIS WILL NOT BE CONSIDERED ACCEPTABLE AS FILL MATERIAL.
3. REMOVE DEBRIS FROM AREAS OF EARTHWORK PRIOR TO PLACING FILL OR STARTING GRADING OPERATIONS.
4. PLACE AND COMPACT FILL MATERIAL AS RECOMMENDED IN THE SPECIFICATIONS. COMPACTION BY FLOODING, PONDING OR JETTING WILL NOT BE PERMITTED.
5. CONTRACTOR SHALL MAKE HIS/HER OWN DETERMINATION OF EARTHWORK QUANTITIES.





LEGEND:



EROSION CONTROL NOTES:

- CONTRACTOR SHALL IMPLEMENT CONSTRUCTION SITE BEST MANAGEMENT PRACTICES (BMPs) FOR EROSION AND SEDIMENT CONTROL AND GOOD HOUSEKEEPING THROUGHOUT THE DURATION OF THE PROJECT. CONSTRUCTION MATERIALS, EQUIPMENT, AND VEHICLES SHALL BE PROPERLY MAINTAINED AND MANAGED IN ACCORDANCE WITH THE BMPs AND ALL OTHER APPLICABLE REQUIREMENTS.
- TEMPORARY EROSION CONTROL FACILITIES AND MEASURES ARE TO BE INSTALLED AND OPERABLE PRIOR TO EXPOSING SUBGRADE (OR AGGREGATE BASE LAYER) AND SHALL BE MAINTAINED UNTIL INSTALLATION OF THE PERMANENT PROJECT PAVING AND LANDSCAPING.
- ALL DRAINAGE INLETS IMMEDIATELY DOWNSTREAM OF THE WORK AREAS AND WITHIN THE WORK AREAS SHALL BE PROTECTED WITH SEDIMENT CONTROL AND INLET FILTER BAGS, THROUGHOUT THE DURATION OF THE PROJECT.
- AS PART OF THE GRADING OPERATIONS, THE CONTRACTOR SHALL ENSURE THAT THE SITE IS WATERED PRIOR TO THE COMMENCEMENT OF GRADING AND THAT A WATER VEHICLE AND STREET SWEEPER FOR DUST CONTROL AND PAVEMENT CLEANING ARE KEPT READILY AVAILABLE AT ALL TIMES DURING CONSTRUCTION.
- ALL PAVED AREAS SHALL BE KEPT CLEAR OF EARTH MATERIALS AND DEBRIS. THE SITE SHALL BE MAINTAINED SO AS TO MINIMIZE SEDIMENT LOADED RUNOFF ENTERING THE STORM DRAIN SYSTEM.
- ALL CONCRETE SLURRY SHALL BE CONTAINED IN CONCRETE WASH-OUT AREAS DESIGNATED ON-SITE.
- STOCKPILED EARTHEN MATERIAL SHALL BE COVERED WITH A TARP AND HELD DOWN WITH FIBER ROLLS AND SAND BAGS, TO ELIMINATE DUST. KEEP STOCKPILES AWAY FROM WATER BODIES AND STORM DRAINS.
- HAZARDOUS MATERIALS MUST BE KEPT IN CLOSED CONTAINERS THAT ARE COVERED AND WITHIN SECONDARY CONTAINMENT. DO NOT PLACE CONTAINER DIRECTLY ON SOIL.
- LOCATE PORTABLE TOILETS AWAY FROM STORM DRAINS, TIE OR STAKE PORTABLE TOILETS TO PREVENT TIPPING, AND EQUIP UNITS WITH OVERFLOW PANTRAY.
- PREVENT EQUIPMENT FLUID LEAKS INTO GROUND BY PLACING DRIP PANS OR PLASTIC TARPS UNDER EQUIPMENT. IMMEDIATELY CLEANUP ANY SPILLS OR DRIPS.
- DESIGNATE WASTE COLLECTION AREAS ON SITE. USE WATERTIGHT DUMPSTERS AND TRASH CANS. PERIODICALLY INSPECT FOR LEAKS. COVER THESE ITEMS AT THE END OF EACH WORK DAY AND WHEN IT IS RAINING OR WINDY. ARRANGE FOR REGULAR WASTE COLLECTION. PICK UP SITE LITTER DAILY.
- ACCESS TO AND FROM THE SITE FOR CONSTRUCTION SHALL BE LIMITED TO THE LOCATION SHOWN ON THESE PLANS. CONTRACTOR SHALL MAINTAIN A CLEAN SURFACE AT THE CONSTRUCTION ENTRANCE AND SHALL PROVIDE AND MAINTAIN FACILITIES TO PREVENT SOIL, MUD, AGGREGATE BASE, HOT MIX ASPHALT, CONCRETE SPLASH AND OTHER CONSTRUCTION DEBRIS FROM BEING DEPOSITED ONTO THE ROADWAY SURFACE. STREET OR DRY SWEEPING WILL BE IMMEDIATELY PERFORMED BY THE CONTRACTOR IF SITE SOILS OR CONSTRUCTION DEBRIS IS OBSERVED AT ANY TIME WITHIN 500 FT OF THE SITE ENTRANCE.
- ALL STORMWATER CONTROL FACILITIES SHALL BE INSPECTED BY THE CONTRACTOR AND REPAIRED AS REQUIRED AT THE CONCLUSION OF EACH WORKING DAY DURING THE RAINY SEASON. THE CONTRACTOR SHALL INSPECT THE STORMWATER CONTROL FACILITIES AND MAKE NECESSARY REPAIRS THERETO PRIOR TO ANTICIPATED STORMS, AND SHALL PERIODICALLY INSPECT THE SITE AT REASONABLE INTERVALS DURING STORMS OF EXTENDED DURATION. REPAIRS TO DAMAGED FACILITIES SHALL BE MADE IMMEDIATELY UPON DISCOVERY. CONTRACTOR SHALL REMOVE ANY ACCUMULATION OF SILT OR DEBRIS FROM THE SEDIMENT TRAPS BEFORE AND AFTER EACH STORM.

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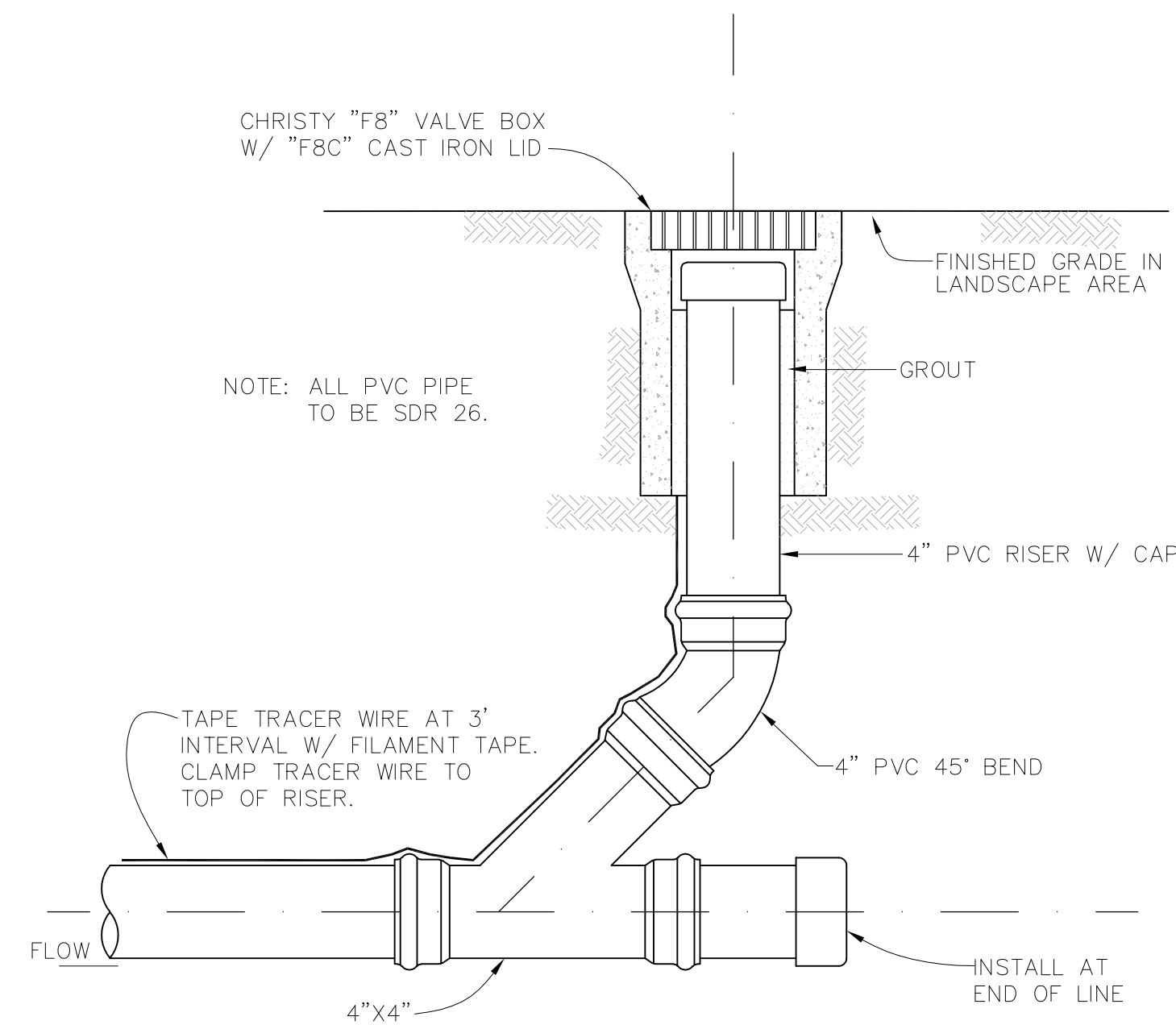
EROSION CONTROL PLAN
CABANA PARK - PHASE 1
FOOTHILL FARMS, CALIFORNIA

GRAPHIC SCALE

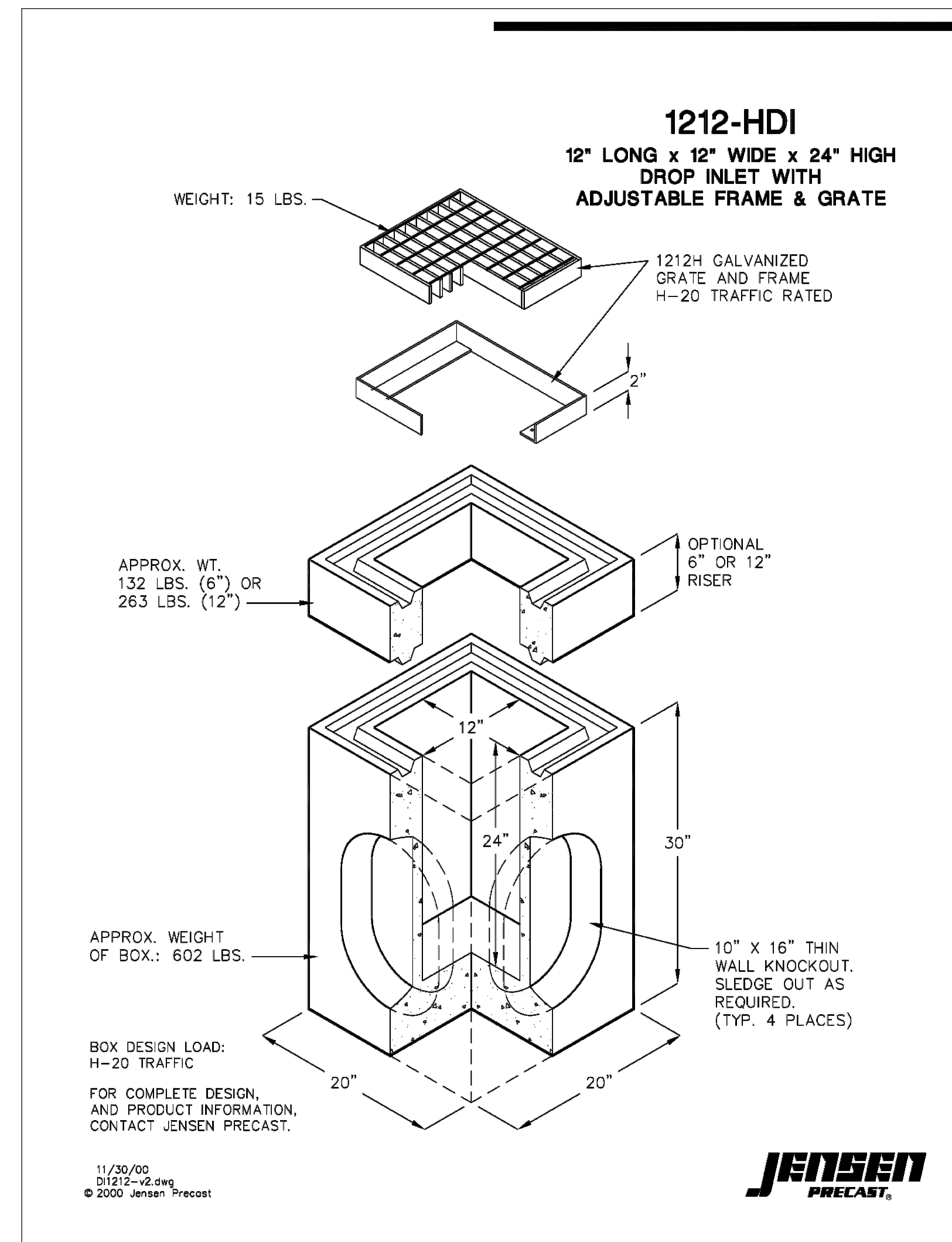
(IN FEET)
1 inch = 20 ft.

CA: 600-642-2444

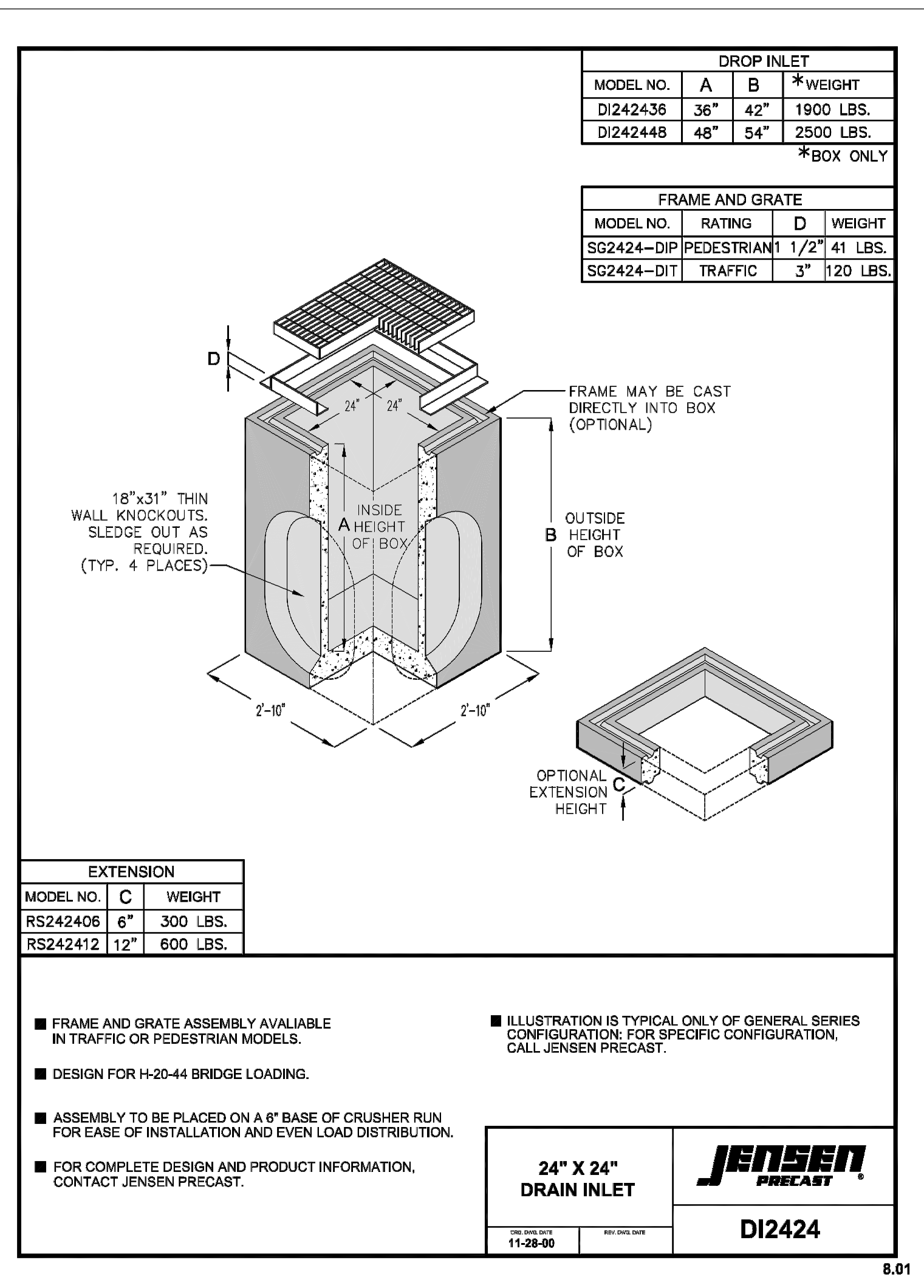
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Project No.	18071
Cadd File	
Sheet No.	C4.00
of	19



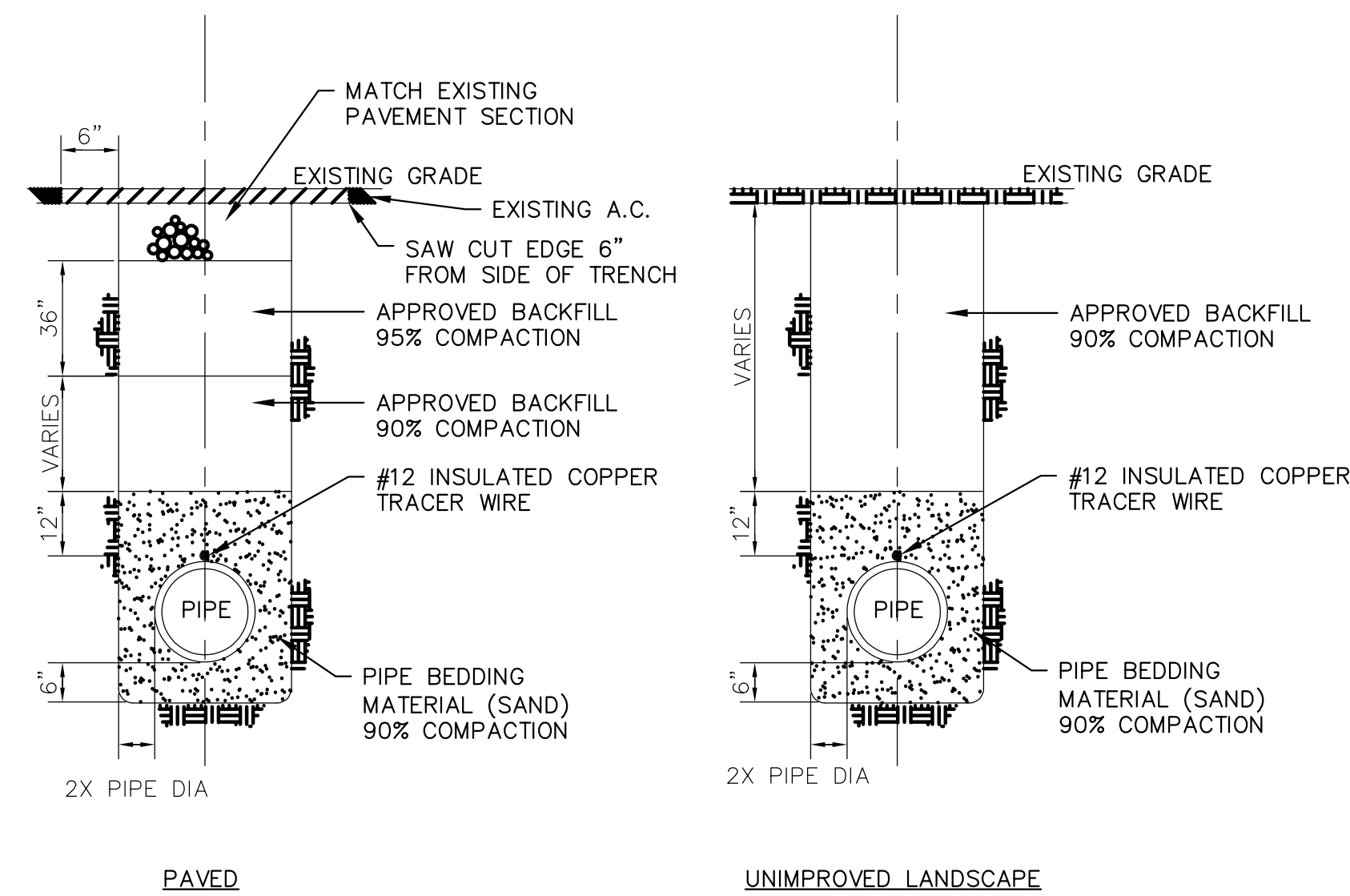
1 SEWER CLEANOUT
— NTS



2 12" X 12" STORM DRAIN INLET
— NTS



3 24" X 24" STORM DRAIN INLET
— NTS



4 TRENCHING AND BACKFILLING
— NTS



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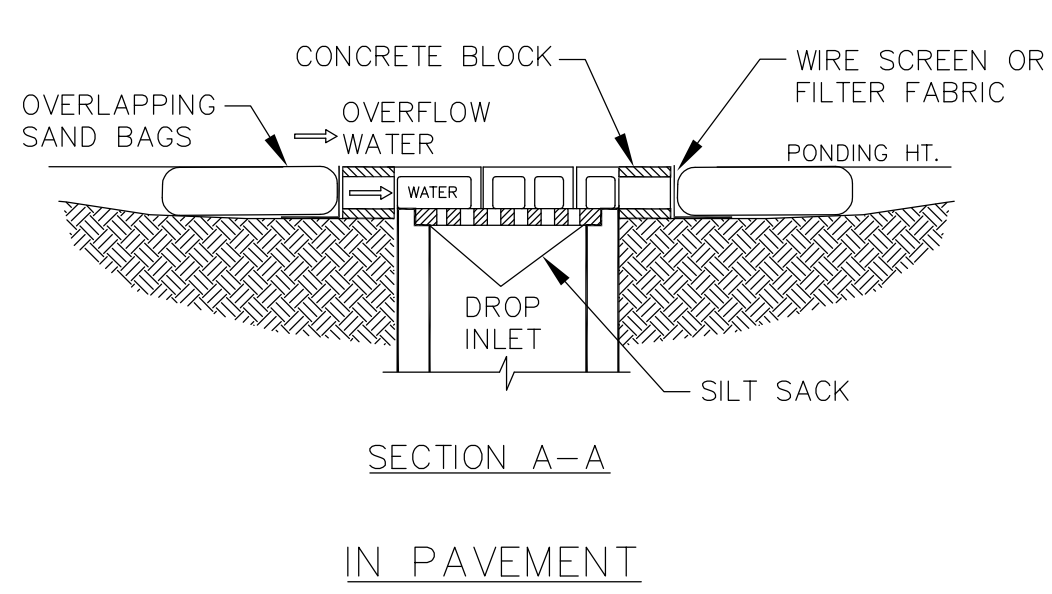
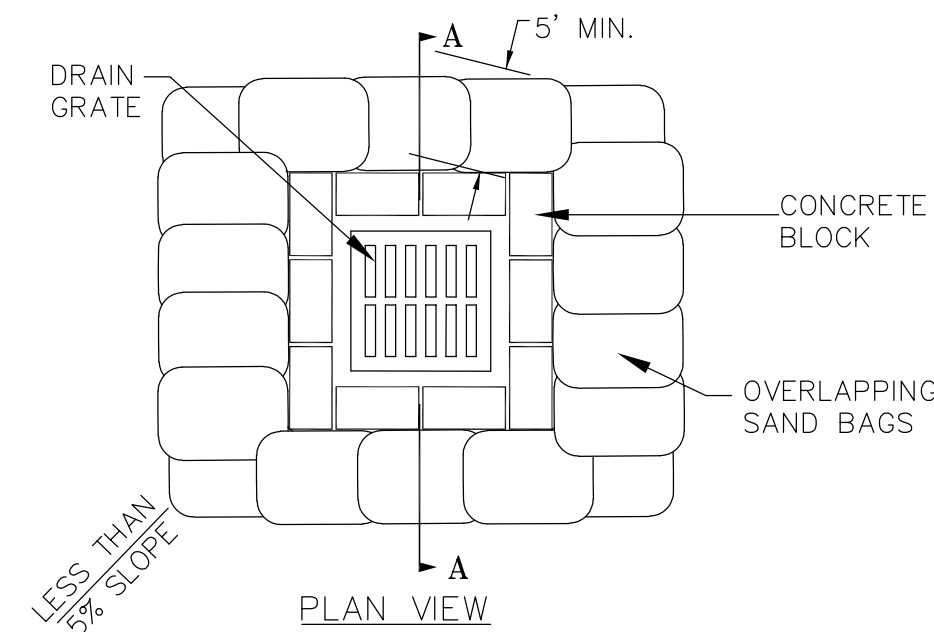
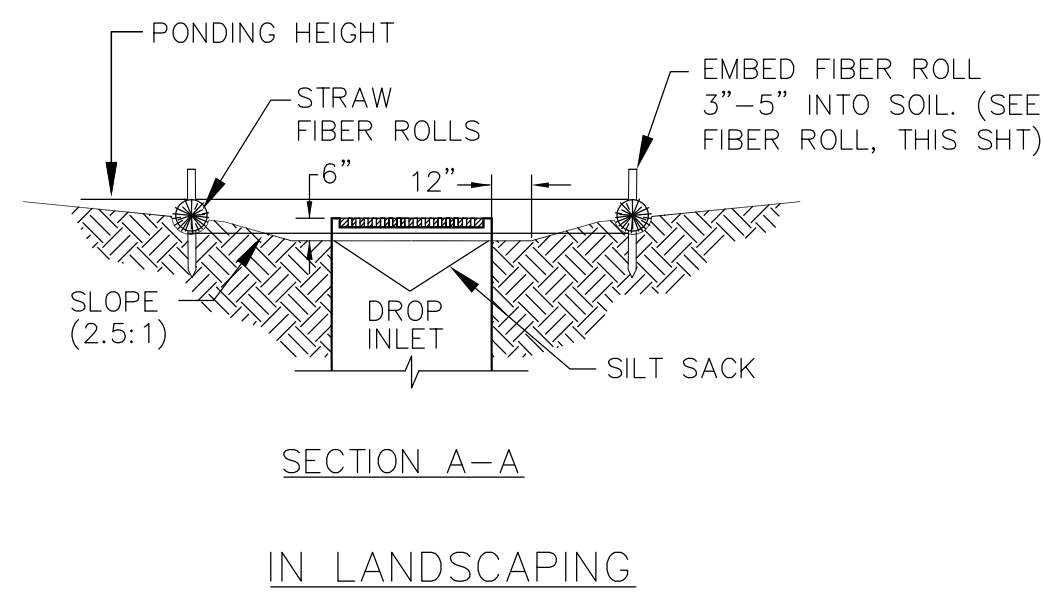
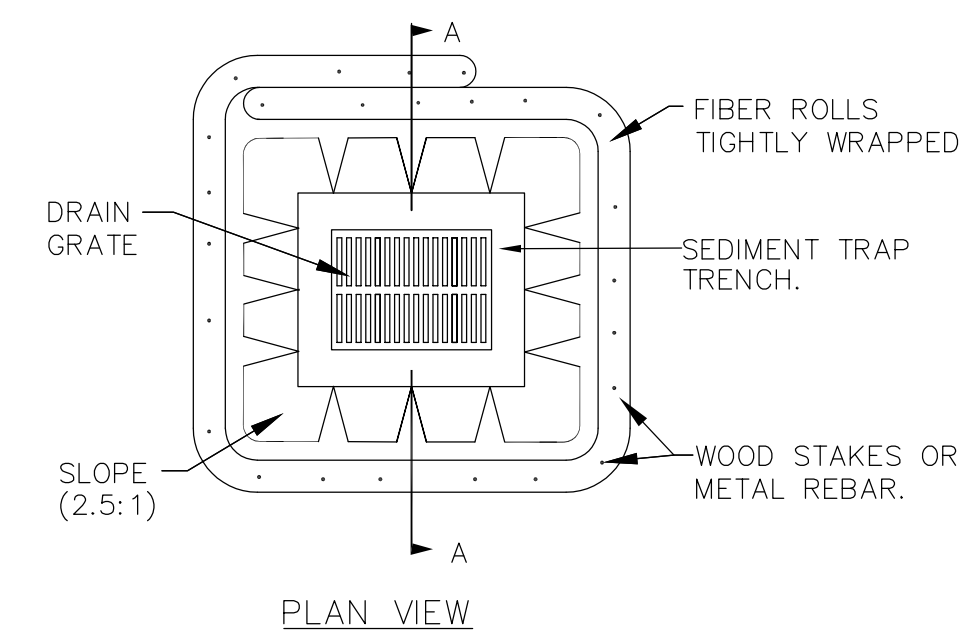
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DETAILS
CABANA PARK - PHASE 1
FOOTHILL FARMS, CALIFORNIA

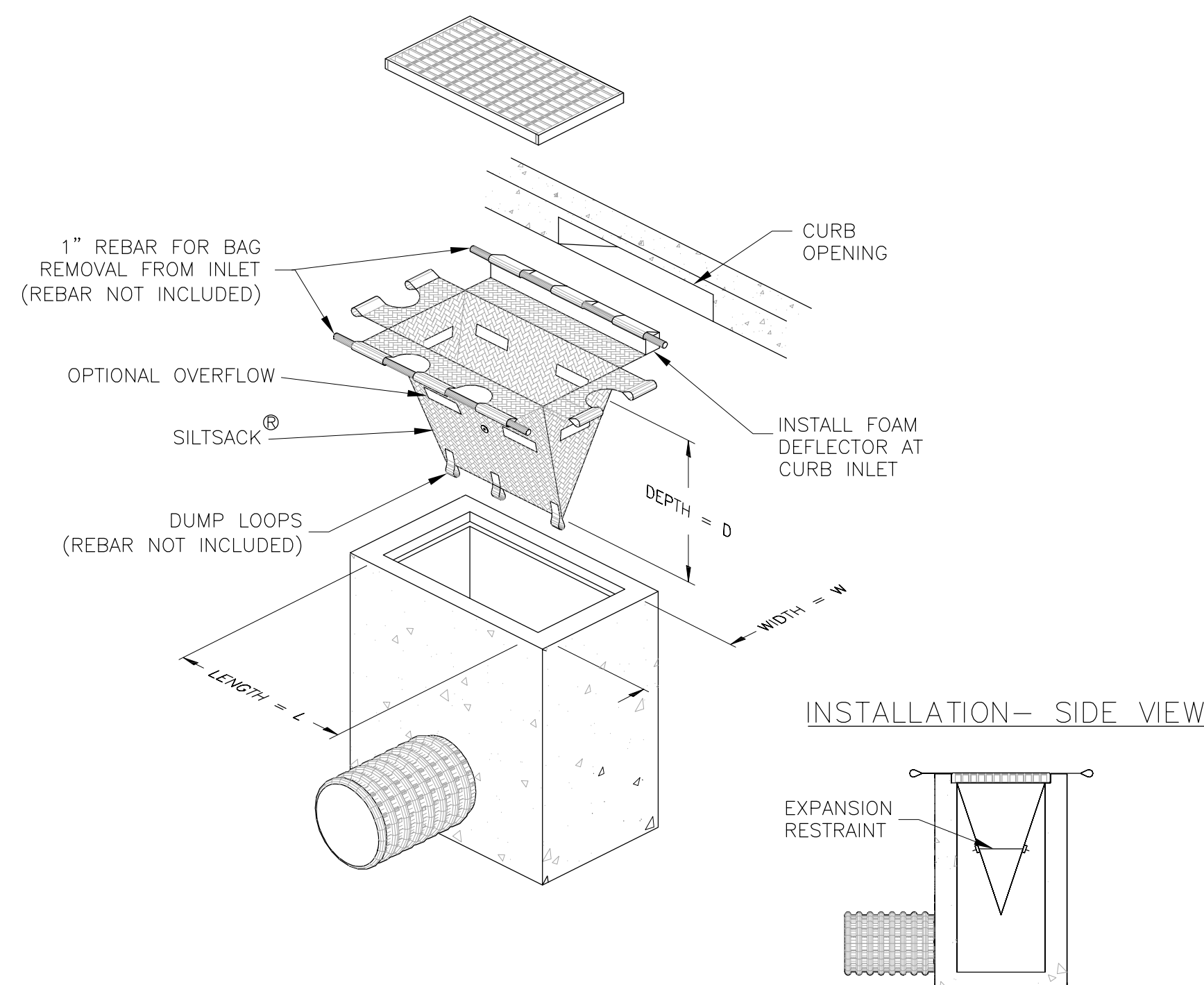
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Scale	
Drawn By	AR
Checked	AH
Project No.	18071
Cadd File	
Sheet No.	C5.00
of	19



NOTES:

1. DURING THE DRY SEASON (APRIL 15TH TO OCTOBER 1ST) USE INSERTS AT ALL DROP INLETS.
2. INSERTS TO BE INSPECTED AND CLEANED WEEKLY AND IMMEDIATELY BEFORE AND AFTER EVERY RAIN EVENT.
3. EMPTY DROP INLET FILTERS WHEN FILTERS APPEAR TO BE HALF FULL.
4. DISPOSE OF TRAPPED SEDIMENT IN ACCORDANCE WITH LOCAL REQUIREMENTS.
5. THE TOP OF THE STRUCTURE (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BY-PASSING THE INLET. EXCAVATION OF A BASIN ADJACENT TO THE DROP INLET OR A TEMPORARY DIKE ON THE DOWNSLOPE OF THE STRUCTURE MAY BE NECESSARY.
6. PLACE FIBER ROLLS AROUND THE INLET CONSISTENT WITH BASIN SEDIMENT BARRIER DETAIL ON THIS SHEET. USE REED & GRAHAM, INC. GEOSYNTHETICS STRAW WATTLE FIBER ROLL (COMES IN 9" X 25' ROLLS) OR EQUIVALENT. FIBER ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING.
6. PLACEMENT OF FIBER ROLL IN A TRENCH, 3"- 5" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND FIBER ROLL.

1 DRAIN INLET PROTECTION
NTS



2 SEDIMENT CONTROL FILTER
NTS

SILTSACK®
SPECIFICATIONS

NOTE: THE SILTSACK® WILL BE MANUFACTURED FROM A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS.

REGULAR FLOW SILTSACK®
(FOR AREAS OF LOW TO MODERATE PRECIPITATION AND RUN-OFF)

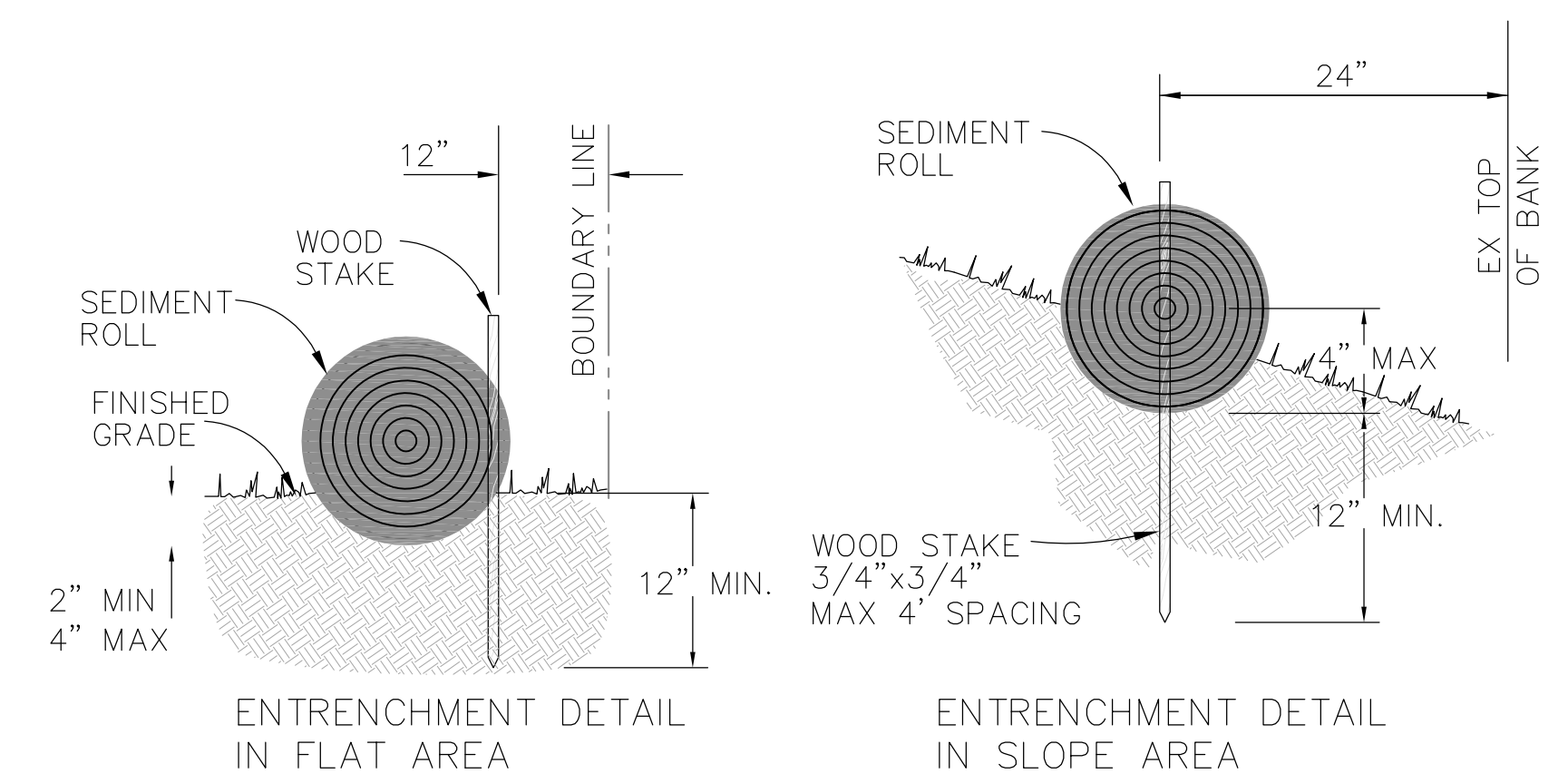
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	300 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20 %
PUNCTURE	ASTM D-4633	120 LBS
MULLEN BURST	ASTM D-3786	800 PSI
TRAPEZOID TEAR	ASTM D-4533	120 LBS
UV RESISTANCE	ASTM D-4355	50 %
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE
FLOW RATE	ASTM D-4491	40 GAL/MIN/50 FT
PERMITTIVITY	ASTM D-4491	0.55 SEC -1

HI-FLOW SILTSACK®
(FOR AREAS OF MODERATE TO HEAVY PRECIPITATION AND RUN-OFF)

PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	265 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20 %
PUNCTURE	ASTM D-4633	135 LBS
MULLEN BURST	ASTM D-3786	420 PSI
TRAPEZOID TEAR	ASTM D-4533	45 LBS
UV RESISTANCE	ASTM D-4355	90 %
APPARENT OPENING SIZE	ASTM D-4751	20 US SIEVE
FLOW RATE	ASTM D-4491	200 GAL/MIN/50 FT
PERMITTIVITY	ASTM D-4491	1.5 SEC -1

OIL-ABSORBANT SILTSACK®
(FOR AREAS WHERE THERE IS A CONCERN FOR OIL RUN-OFF OR SPILLS)

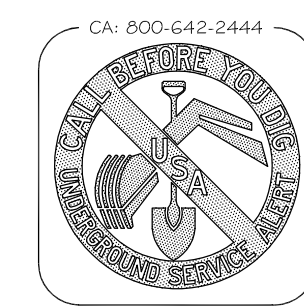
DEPENDING ON YOUR PARTICULAR APPLICATION, THE SILTSACK® CAN BE MADE FROM EITHER ONE OF THE ABOVE FABRICS WITH AN OIL-ABSORBANT PILLLOW INSERT OR, MADE COMPLETELY FROM AN OIL-ABSORBANT SILTSACK®, WITH A WOVEN PILLLOW INSERT.



INSTALLATION PROCEDURE

1. FIBER ROLLS ARE TUBES MADE FROM POROUS BIODEGRADABLE FIBER STUFFED IN A PHOTO-DEGRADABLE OPEN WEAVE NETTING. THEY ARE APPROX. 8" DIAMETER.
2. FIBER ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 2"-4" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL. ROLLS SHOULD BE ABUTTED SECURELY TO PROVIDE A TIGHT JOINT, NOT OVERLAPPED.
3. TURN ENDS OF FIBER ROLLS UPSLOPE.
4. SILT BUILD-UP AT THE UPSLOPE SIDE OF FIBER ROLLS SHALL BE REMOVED WHEN THE DEPRESSION BECOMES 50% FULL.
5. ANY PLACE WHERE WATER HAS ERODED UNDER THE FIBER ROLL SHALL BE IMMEDIATELY FILLED AS NECESSARY TO PREVENT RECURRENCE.

3 FIBER ROLL
NTS



40 YEARS

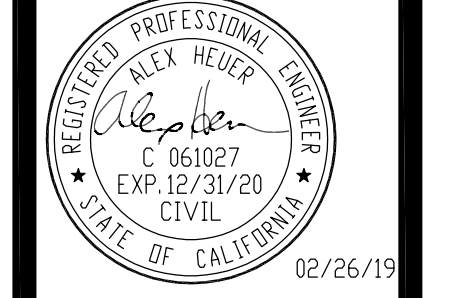
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Date	02/26/2019
Scale	
Drawn By	AR
Checked	AH
Project No.	18071
Cadd File	
Sheet No.	C5.01
of	19

LEGEND

CIRCUITING

- CONDUIT RUN IN WALL OR CEILING
- - - - CONDUIT RUN IN FLOOR OR UNDERGROUND

ELECTRICAL APPARATUS AND EQUIPMENT

☐⊙ SOLAR LIGHT

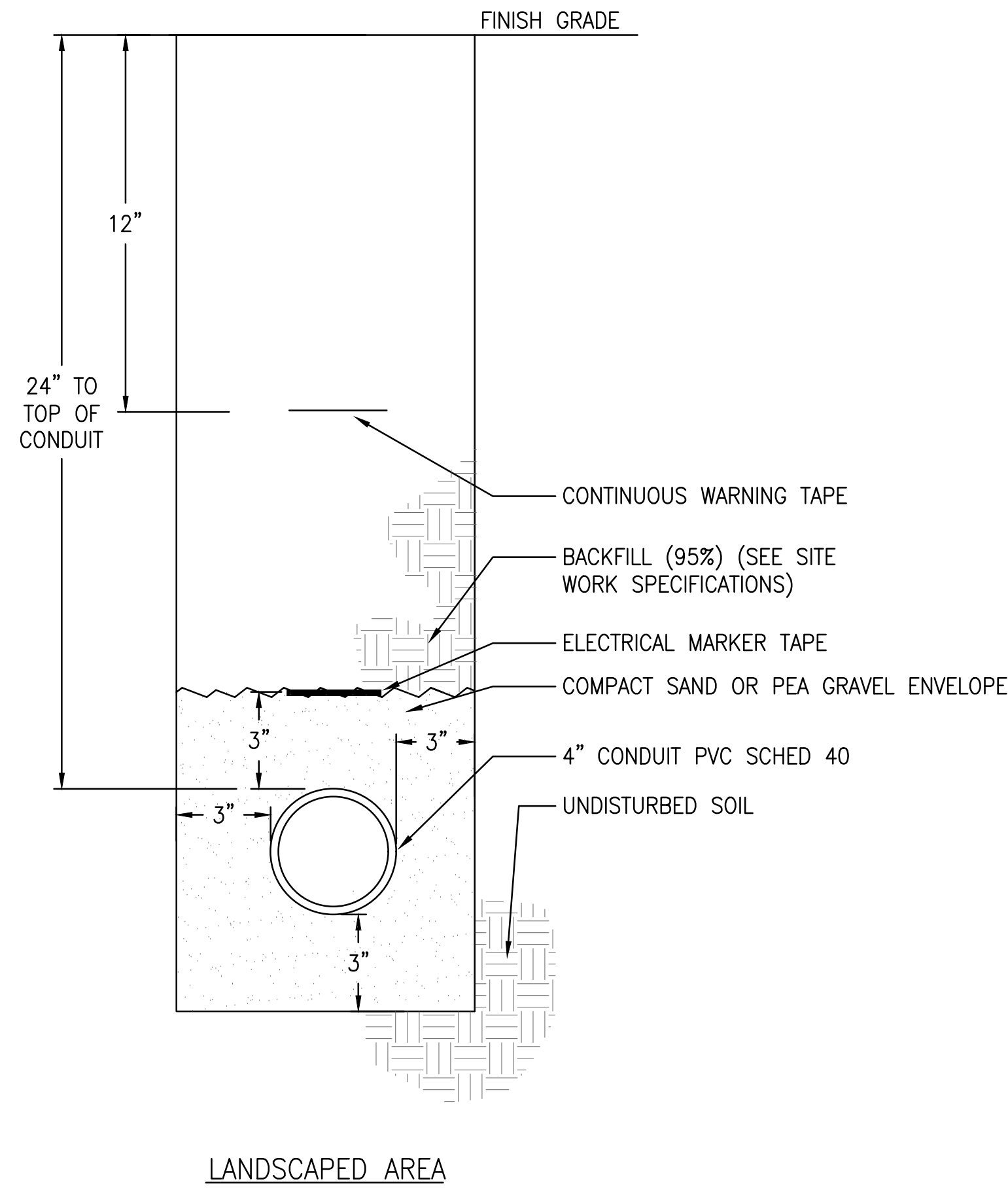
MISCELLANEOUS

① DETAIL TAG
e.g., 1 IS THE DETAIL NUMBER
E1 IS THE SHEET NUMBER

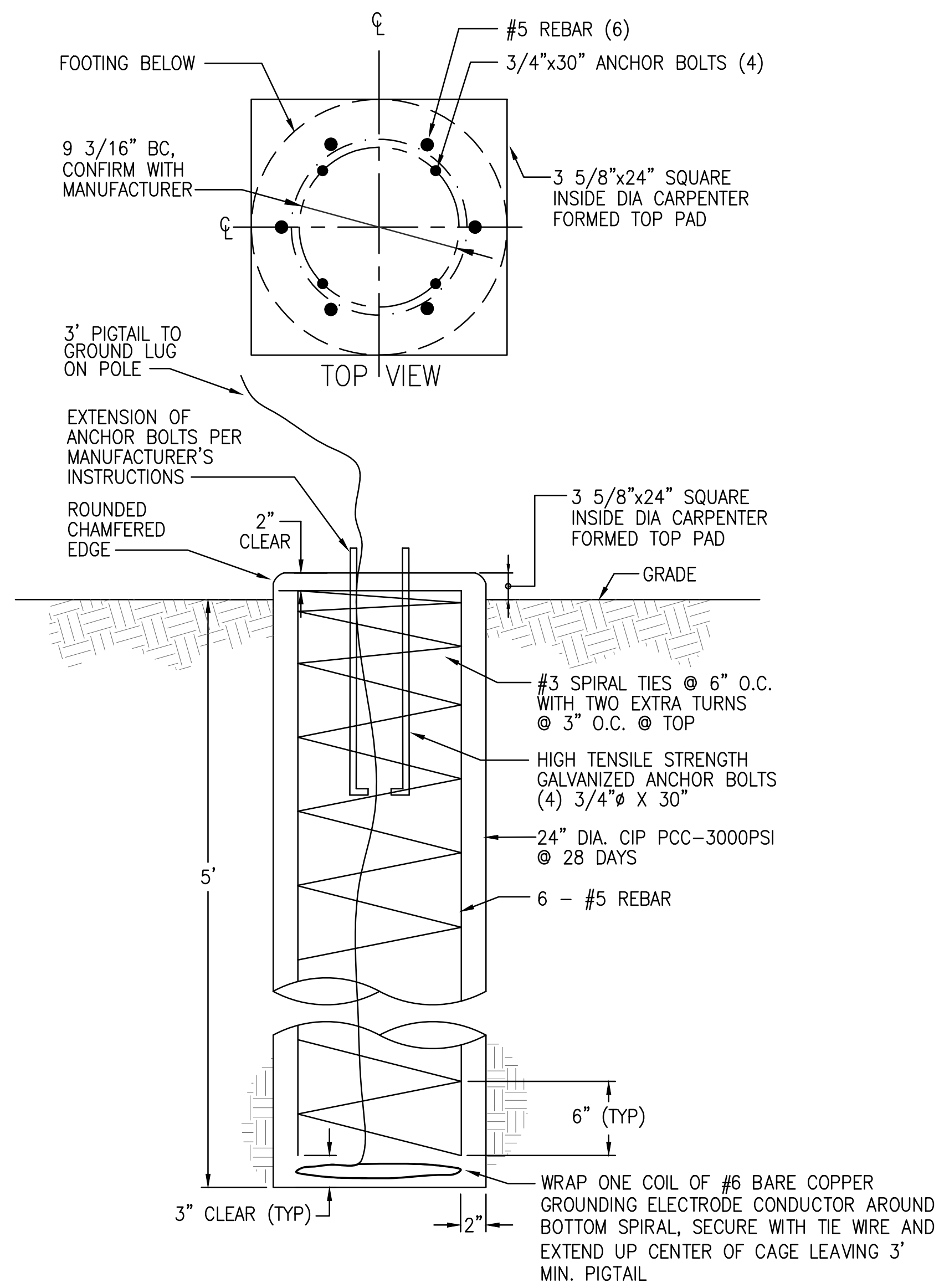
① SHEET NOTE TAG, NOTE 1

ABBREVIATIONS

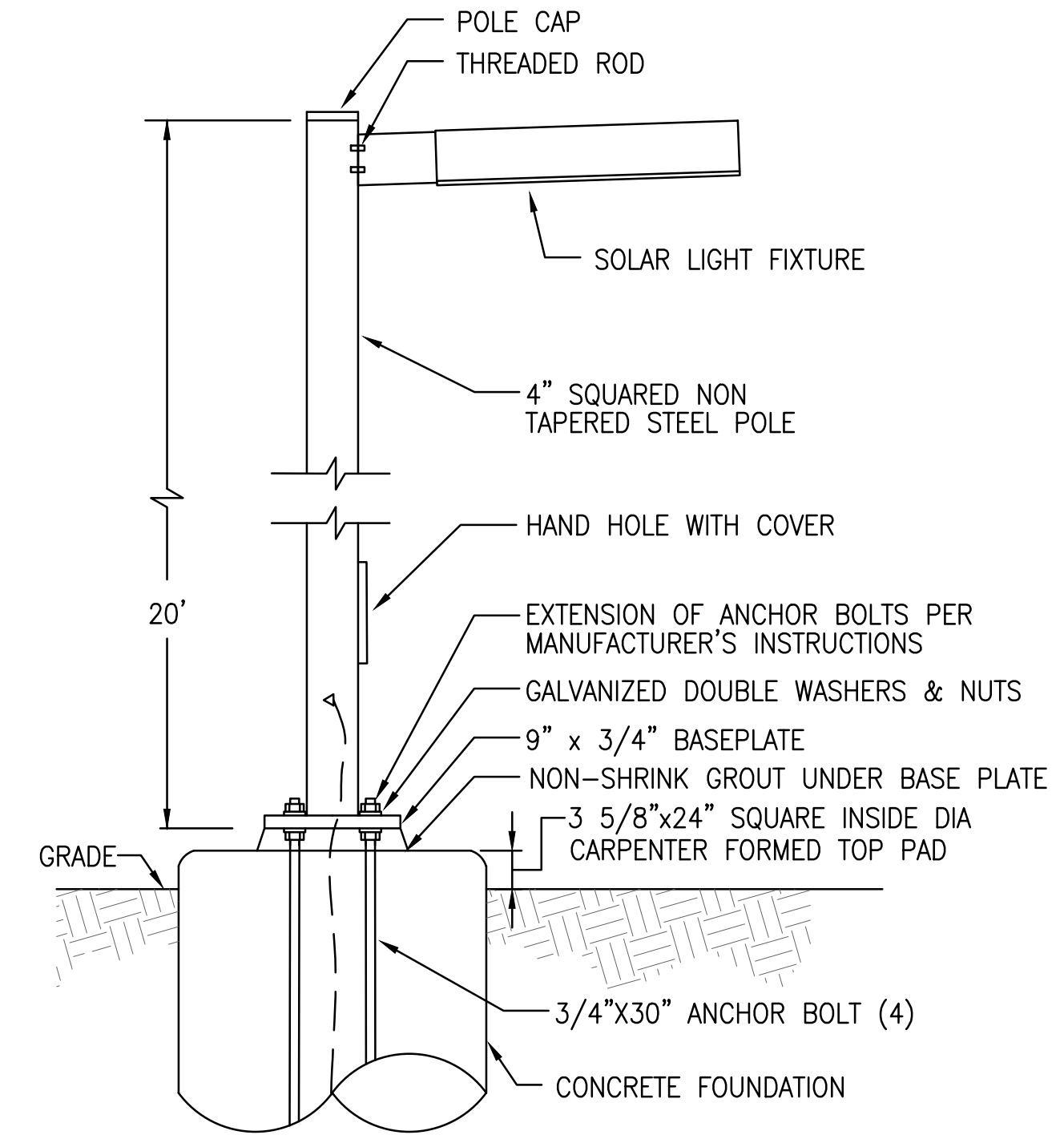
- A AMPERE
- AWG AMERICAN WIRE GAUGE
- BP BY-PASS TEST SWITCH
- C CONDUIT
- CB CIRCUIT BREAKER
- CKT CIRCUIT
- CO CONDUIT ONLY
- (E) EXISTING TO REMAIN
- EGC EQUIPMENT GROUNDING CONDUCTOR
- GFCI GROUND FAULT CIRCUIT INTERRUPTER
- GND GROUND
- HP HORSEPOWER
- JP JOINT POLE
- LED LIGHT EMITTING DIODE
- MTD MOUNTED
- (N) NEW
- PB PULL BOX
- PC PHOTOCONTROL
- PE PHOTOELECTRIC
- POC POINT OF CONNECTION
- PV PHOTO VOLTAIC
- (R) EXISTING TO BE REMOVED
- (RL) RELOCATED EXISTING
- RMC RIGID METAL CONDUIT
- SAD SEE ARCHITECTURAL DRAWINGS
- SS STAINLESS STEEL
- SWBD SWITCHBOARD
- TEL TELEPHONE
- TS TIME SWITCH
- TYP TYPICAL
- UON UNLESS OTHERWISE NOTED
- V VOLT
- W WATT
- WP WEATHERPROOF



① **AT&T TRENCH DETAIL**
SCALE: NONE



② **POLE FOUNDATION DETAIL**
SCALE: NONE



③ **POLE ASSEMBLY DETAIL**
SCALE: NONE

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LEGEND & DETAILS
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Project No.	18071
Cadd File	
Sheet No.	E1
of	19

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ELECTRICAL CONSULTANTS
478 3RD STREET
OAKLAND, CA 94607
TEL (510) 452-9391
FAX (510) 452-0661

Professional Engineer
No. E2412
Exp. 9/30/20
Electrical
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No. E2412
Exp. 9/30/20
Electrical
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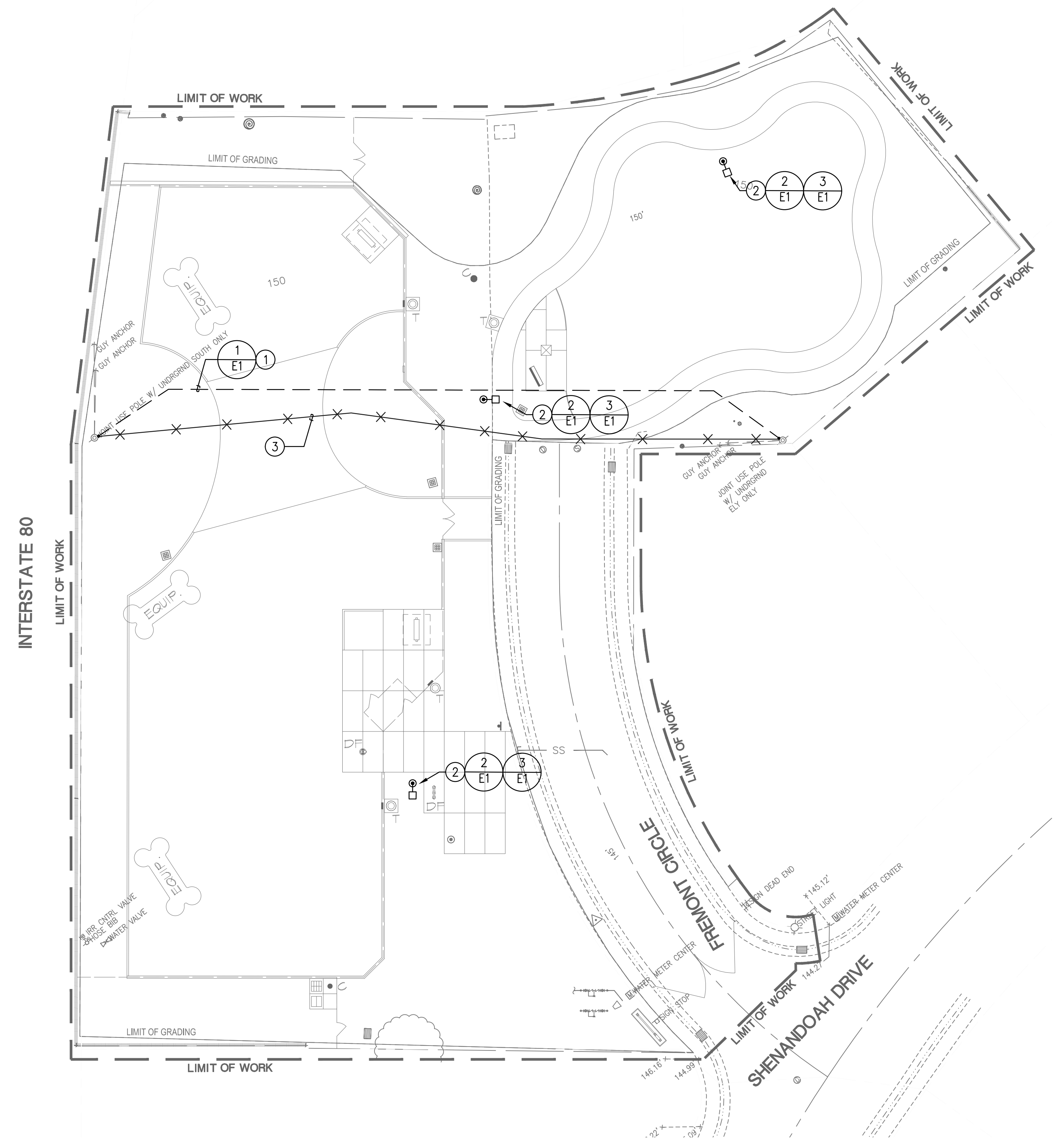


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SHEET NOTES:

- 1 (N) AT&T LINE, TO BE COORDINATED W/AT&T
- 2 POLE SOLAR LIGHT ASSEMBLY, TYPE 5 IES DISTRIBUTION, 20' NON TAPERED SQUARE STEEL POLE, LIGHTING PROFILES: DARK +5 HOURS, DIM 30%, DAWN -1 HOUR, BRONZE FINISHED WITH SECURITY FASTENERS AND MOTION SENSE OFF
 - A) FIXTURE: FIRST LIGHT TECHNOLOGIES SCL2 SERIES #SCL2-SPMS-BZ-T5-WW-04-SEC-MSO
 - B) POLE: VISIONAIRE #SNTS-4S-11-20'-9BC-343-S1-BZ-HCR
- 3 REMOVE AT&T LINE



1 ELECTRICAL SITE PLAN
 SCALE: 1" = 20' - 0"

BID SET

ELECTRICAL SITE PLAN
 CABANA PARK - PHASE 1
 FOOTHILL FARMS, CALIFORNIA

Date	2/26/2019
Scale	AS SHOWN
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Project No.	18071
Cadd File	
Sheet No.	E2
of	19

