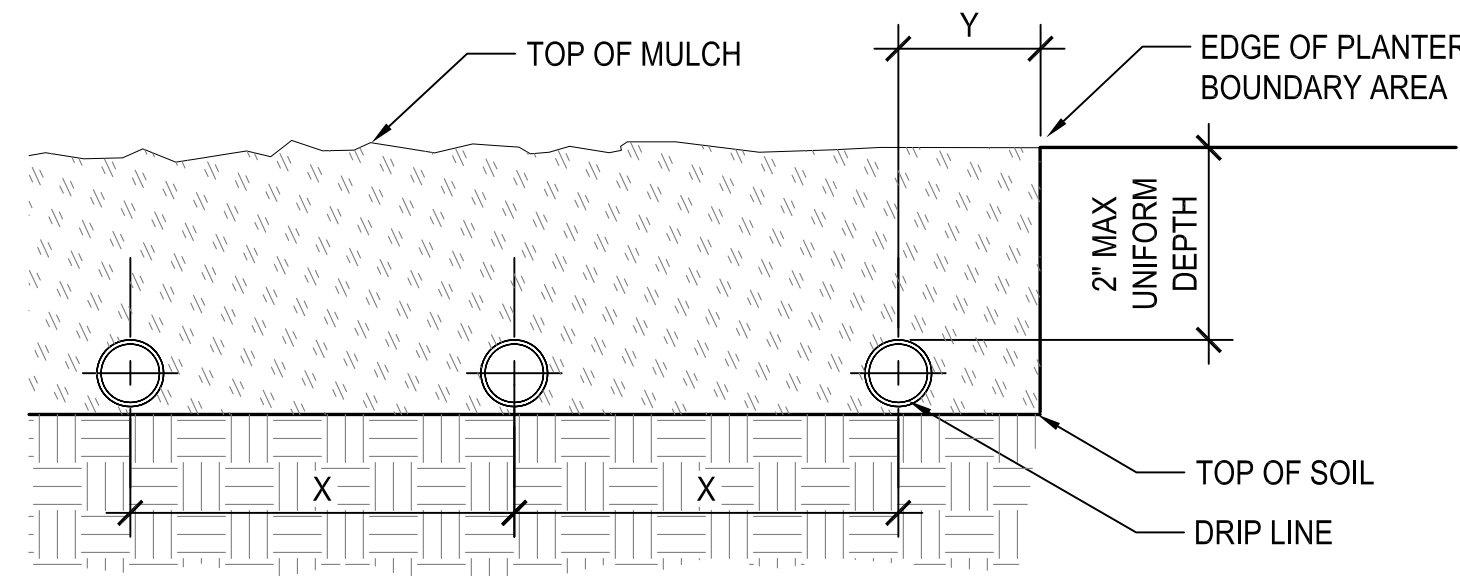
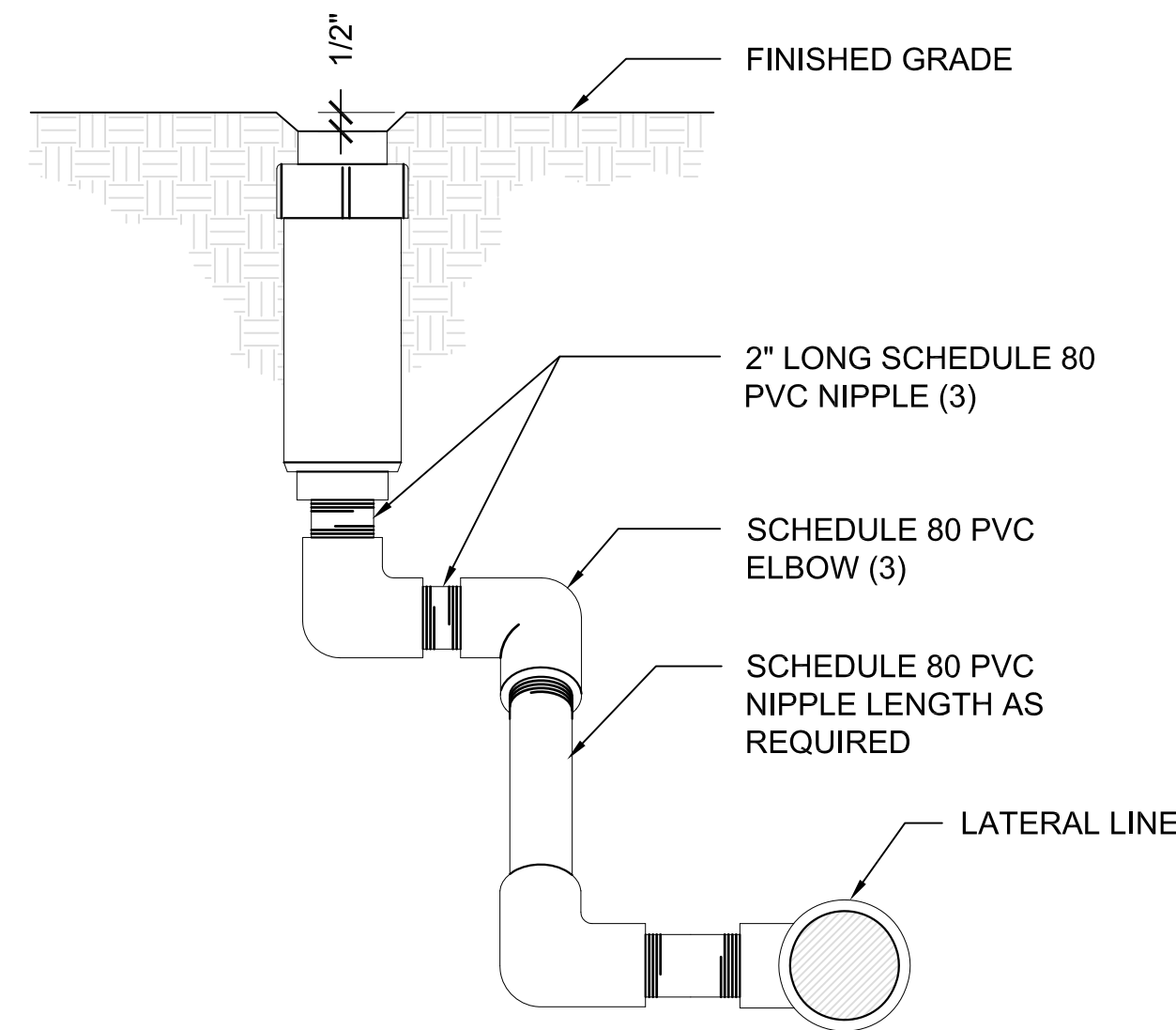


X DIMENSION (INCHES)	Y DIMENSION (INCHES)
12	4 OR 6

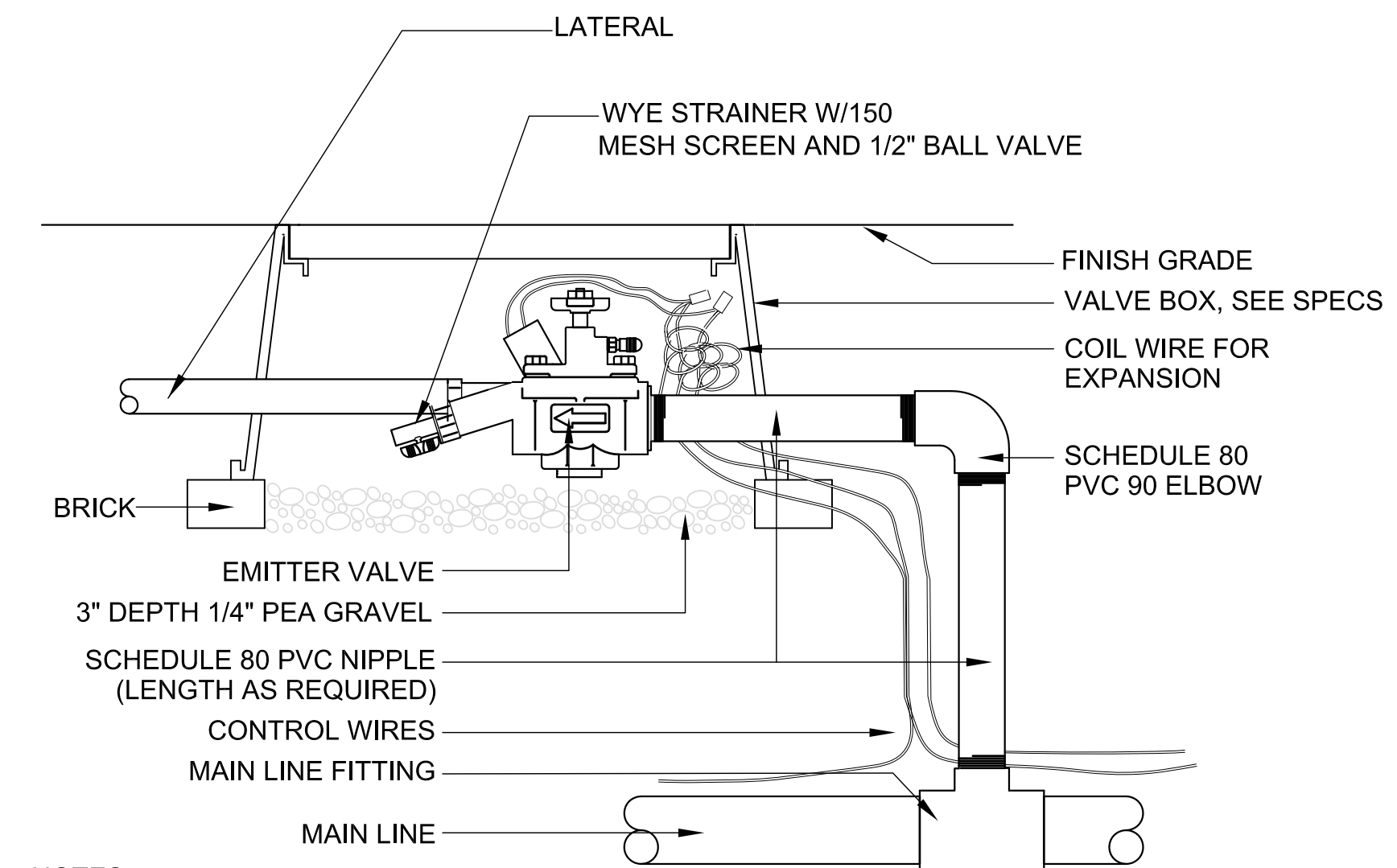
- NOTES:
- TYPICAL DIMENSIONS FOR DRIP LINE GRID LAYOUT IN PLANTING AREAS.
  - COORDINATE PLANTING INSTALLATION WITH GRID LAYOUT TO AVOID DAMAGE TO INSTALLED DRIP LINE AND TO PROVIDE UNIFORM IRRIGATION COVERAGE.
  - INSTALL DRIP LINE PARALLEL TO CONTOUR LINES.



**7 DRIP TUBING ON GRADE INSTALLATION**  
SCALE: 6" = 1'-0"

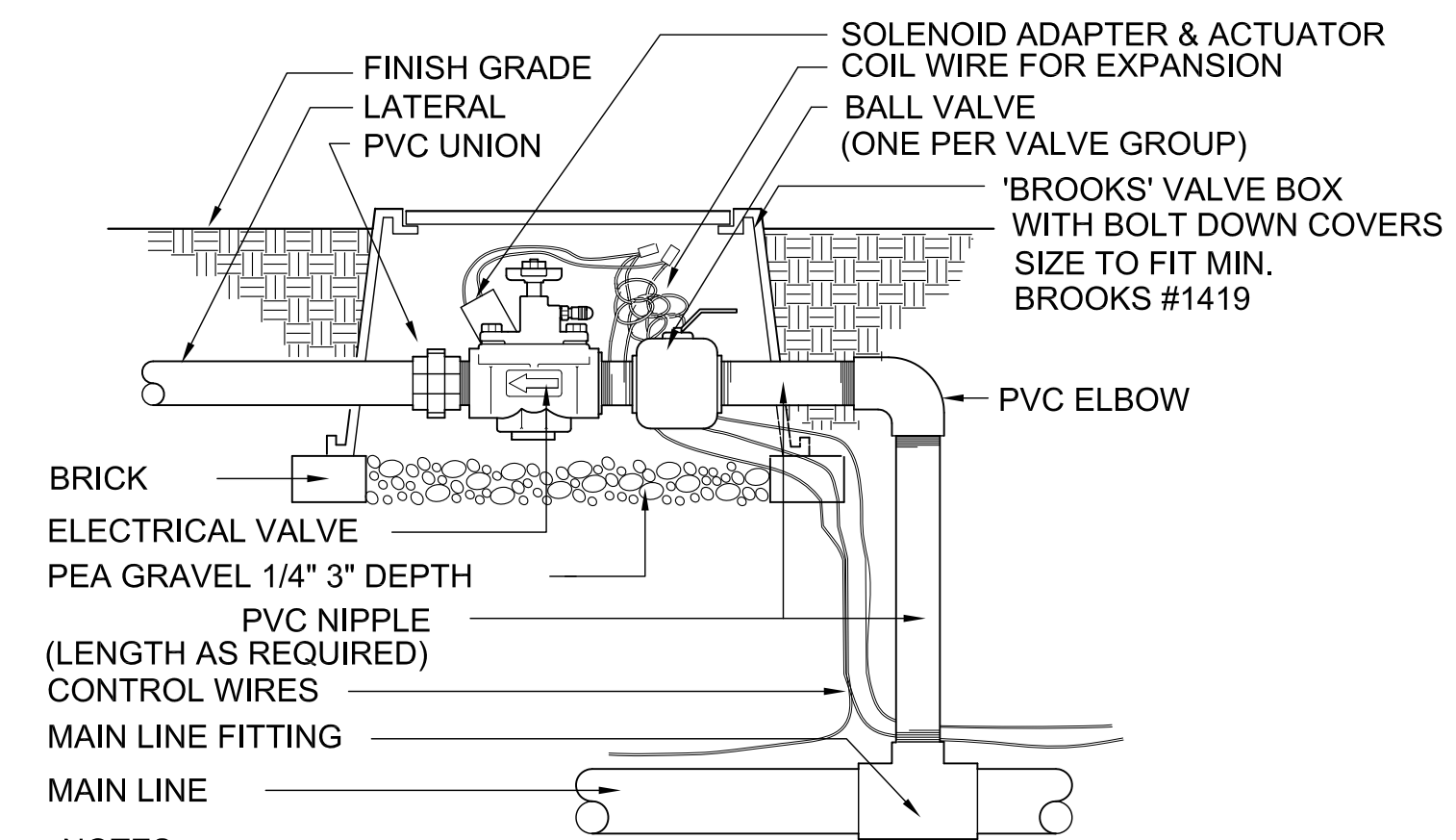


**4 POP UP ROTOR & SPRAY HEAD**  
NTS



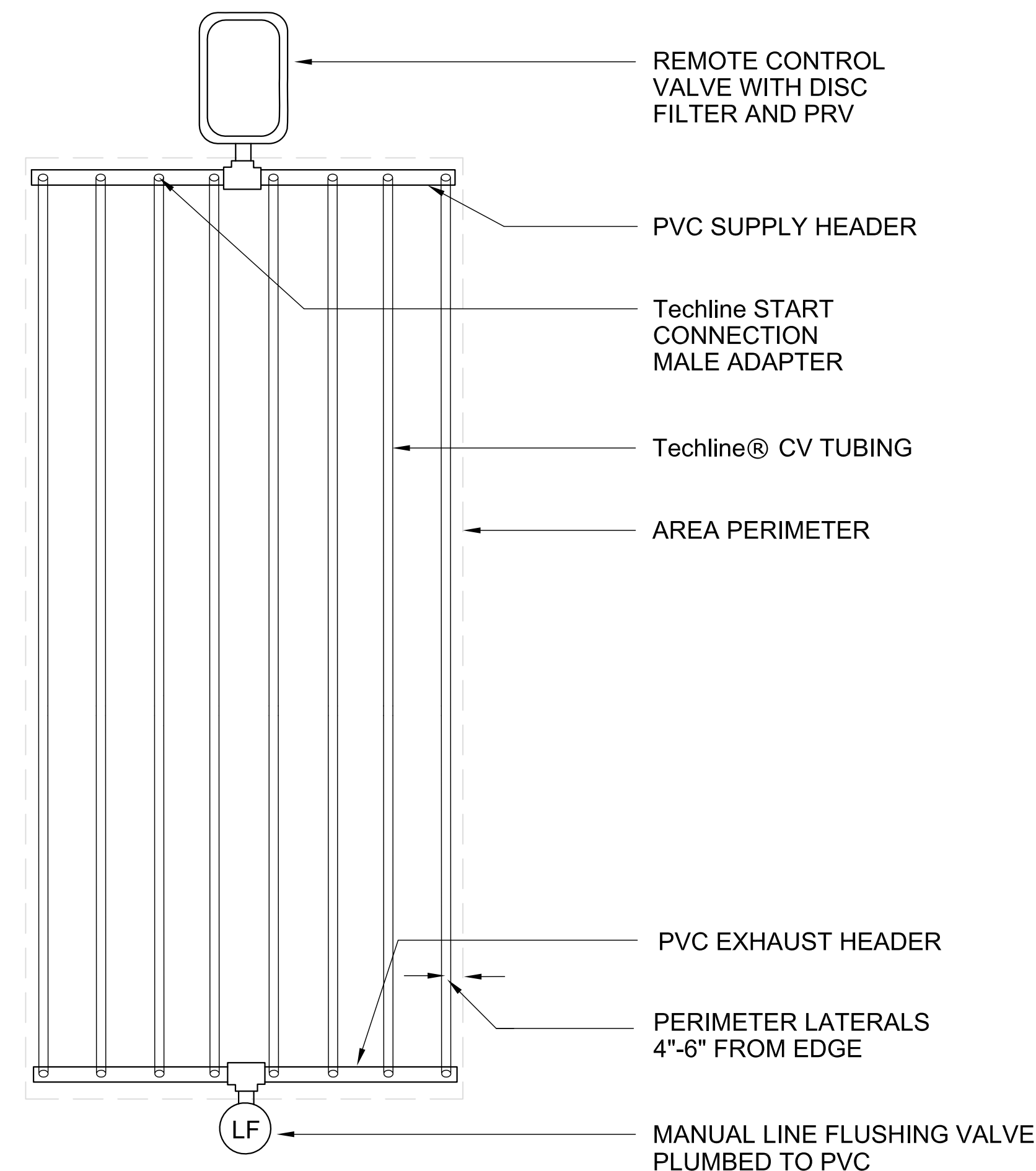
- NOTES:
- BUNDLE AND TAPE WIRE EVERY 10 FEET
  - PROVIDE 36" EXPANSION LOOP AT EACH WIRE CONNECTION
  - LOCATE VALVES MIN. 4" FROM PAVED WALKWAYS.

**1 REMOTE CONTROL VALVE - DRIP**  
NTS

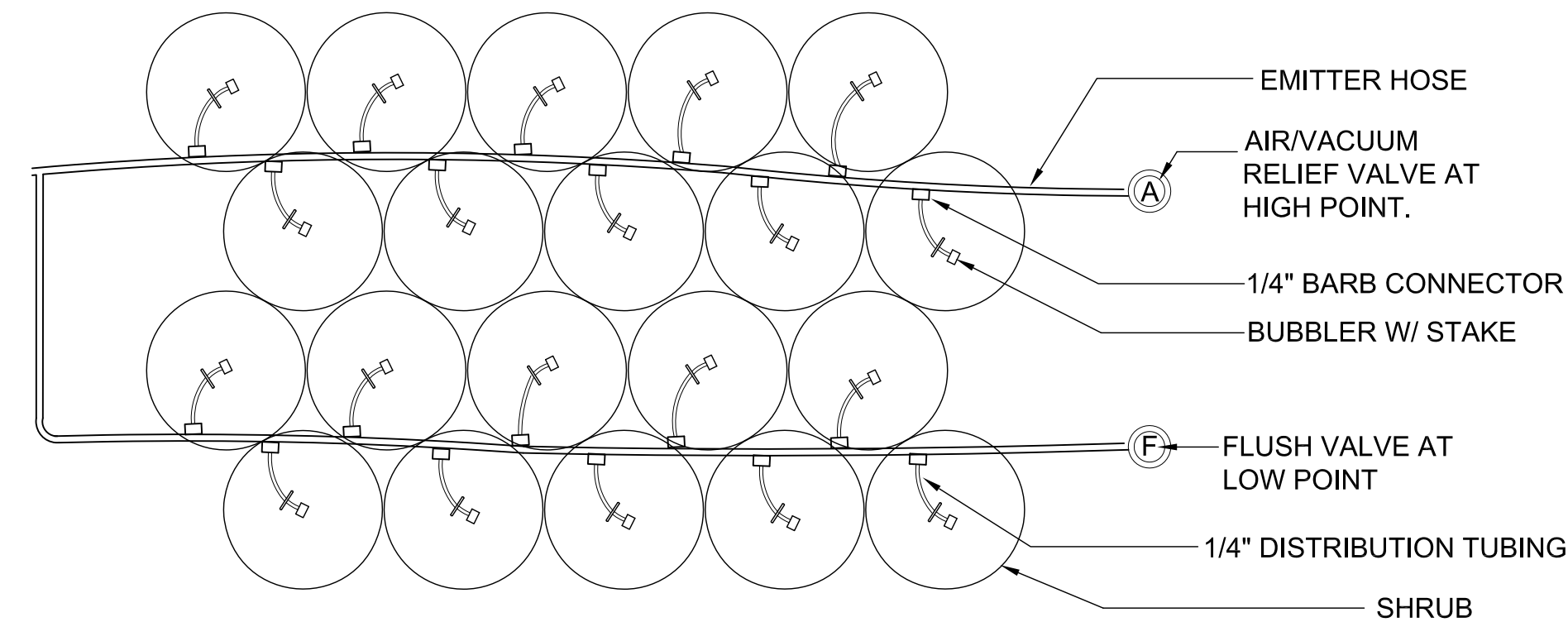


- NOTES:
- BUNDLE AND TAPE WIRE EVERY 10 FEET
  - PROVIDE 36" EXPANSION LOOP AT EACH WIRE CONNECTION
  - SIZE BOX TO INCLUDE RCV AND BALL VALVES
  - CONTRACTOR TO INSTALL NECESSARY SOLENOID ADAPTER FOR PROPER ATTACHMENT OF ACTUATOR

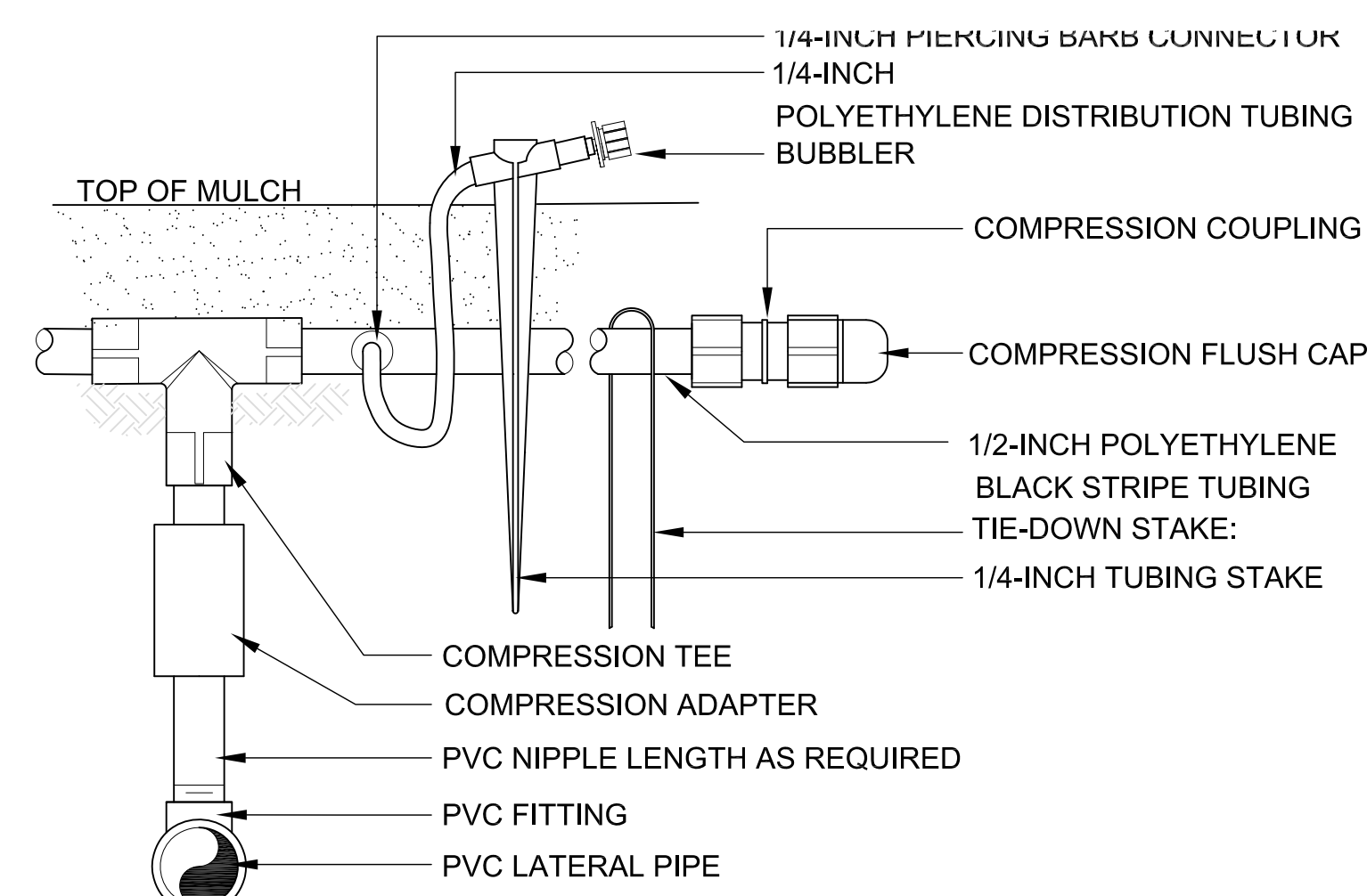
**2 REMOTE CONTROL VALVE**  
NTS



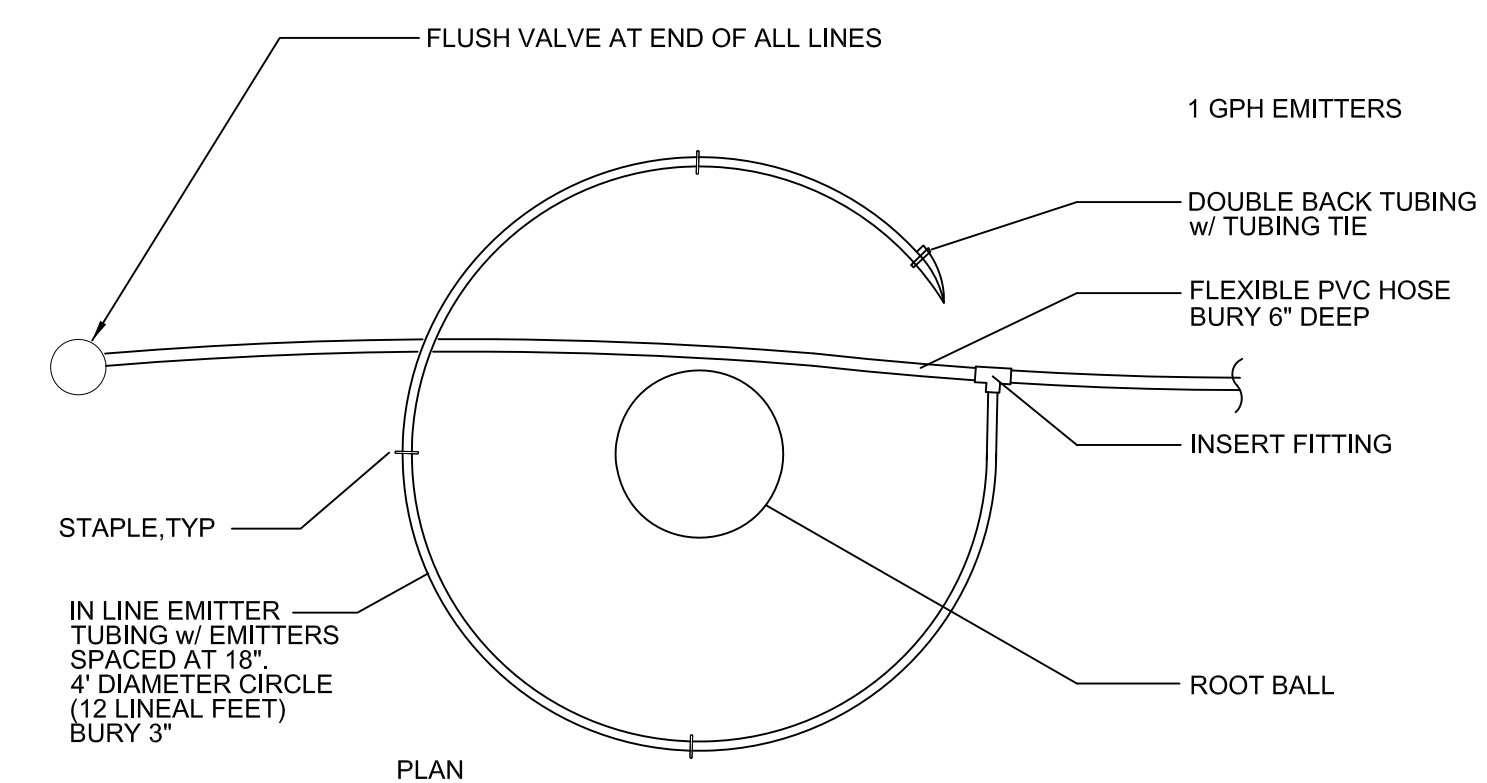
**8 IN LINE DRIP LAYOUT**  
NTS



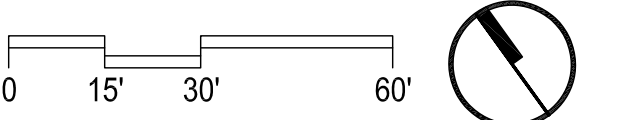
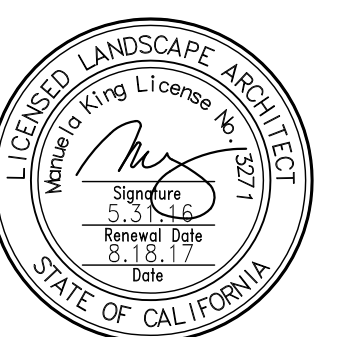
**5 DRIP EMITTER LAYOUT**  
NTS



**6 DRIP EMITTER CONNECTION**  
NTS



**3 TREE DRIP RING IRRIGATION**  
NTS



NOT FOR CONSTRUCTION

PROJECT/CLIENT NAME

## Dunphy Park

200 Napa Street  
Sausalito, CA 94965

Owner:  
City of Sausalito  
420 Litho St.  
Sausalito, CA 94965

RHAA PROJECT NUMBER

16042A

CONSULTANT

SUBMITTAL

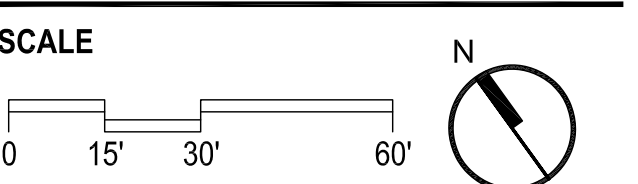
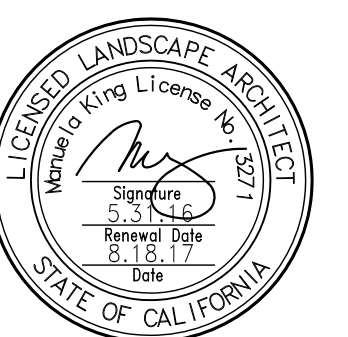
### Permit Submittal

DATE  
21 August 2017

REVISIONS

No.	Date	Description

REGISTRATION AND SIGNATURE

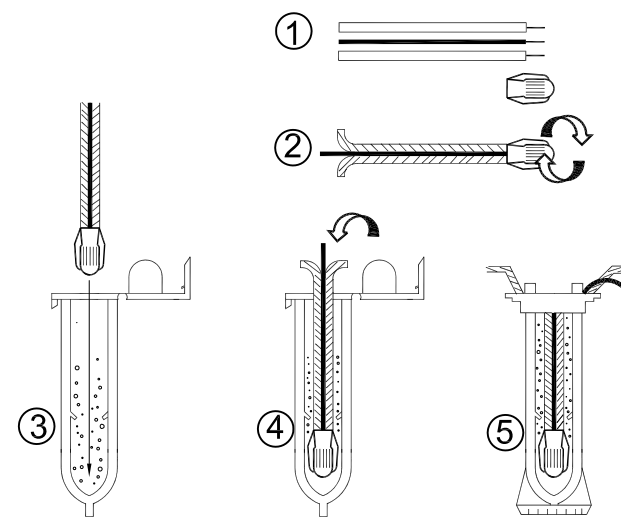


SHEET TITLE

## IRRIGATION DETAILS

DRAWN BY: CHECKED BY:

# L9.3



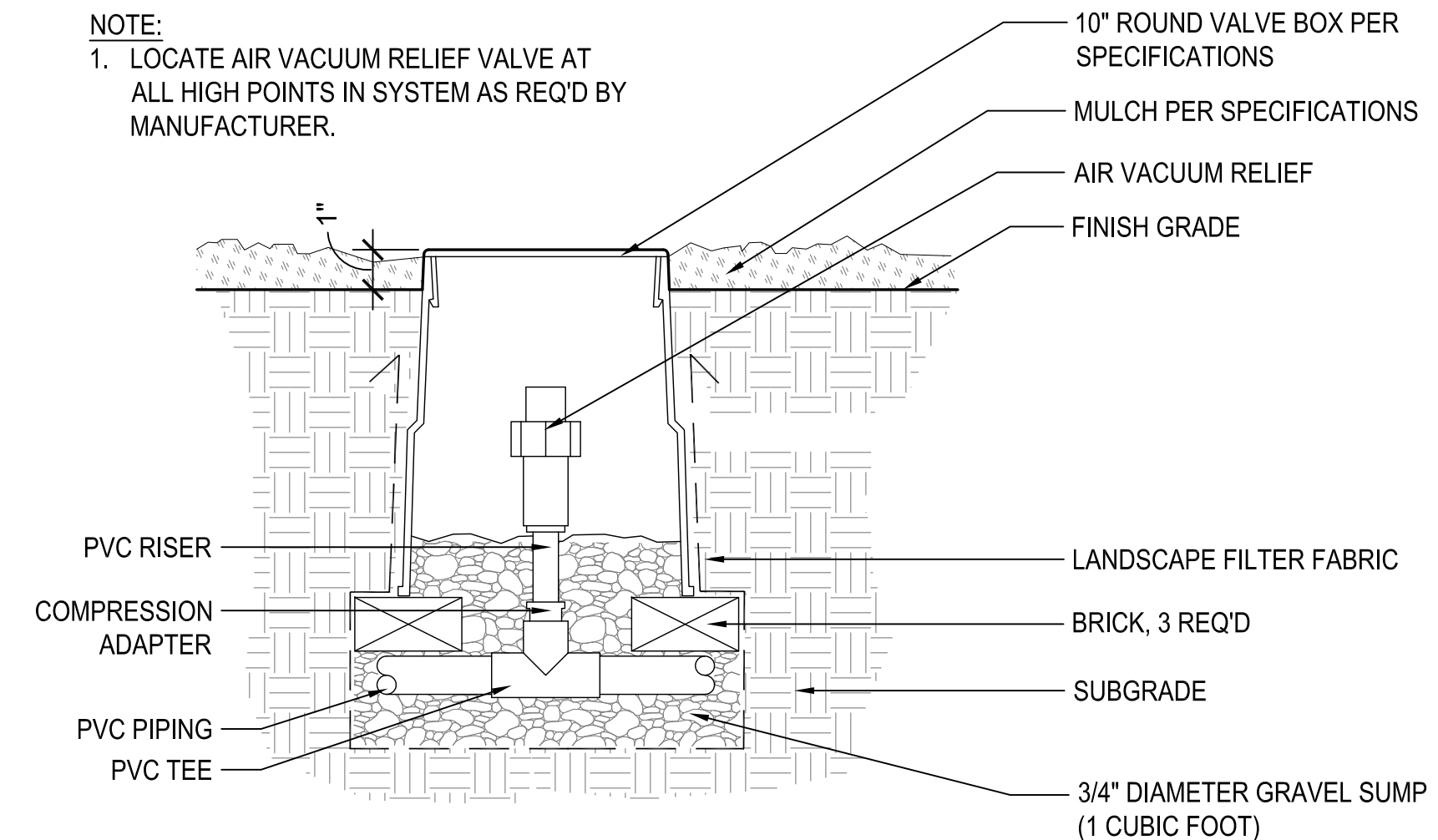
NOTES:

1. STRIP WIRES APPROXIMATELY 1/2" (12.7 MM) TO EXPOSE WIRE.
2. TWIST CONNECTOR AROUND WIRES CLOCKWISE UNTIL HAND TIGHT, DO NOT OVERTIGHTEN.
3. INSERT WIRE ASSEMBLY INTO PLASTIC TUBE UNTIL WIRE CONNECTOR SNAPS PAST LIP IN BOTTOM OF TUBE.
4. PLACE WIRES WHICH EXIT TUBE IN WIRE EXIT HOLES AND CLOSE CAP UNTIL IT SNAPS.
5. INSPECT FINAL SPLICE ASSEMBLY TO BE SECURE AND FINISHED.

4

### WATERPROOF WIRE CONNECTION

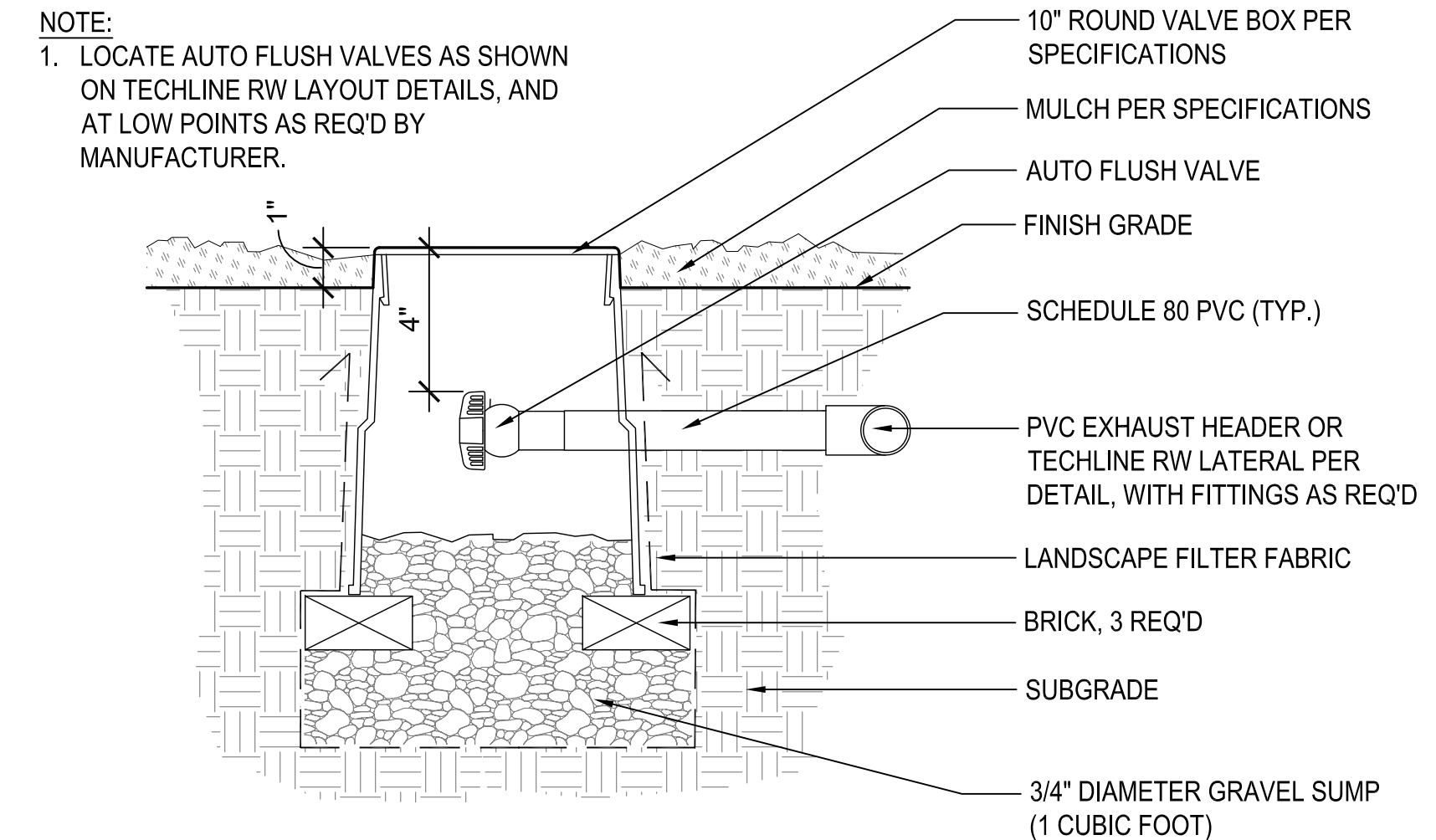
NTS



1

### AIR VACUUM RELIEF VALVE

SCALE: NTS

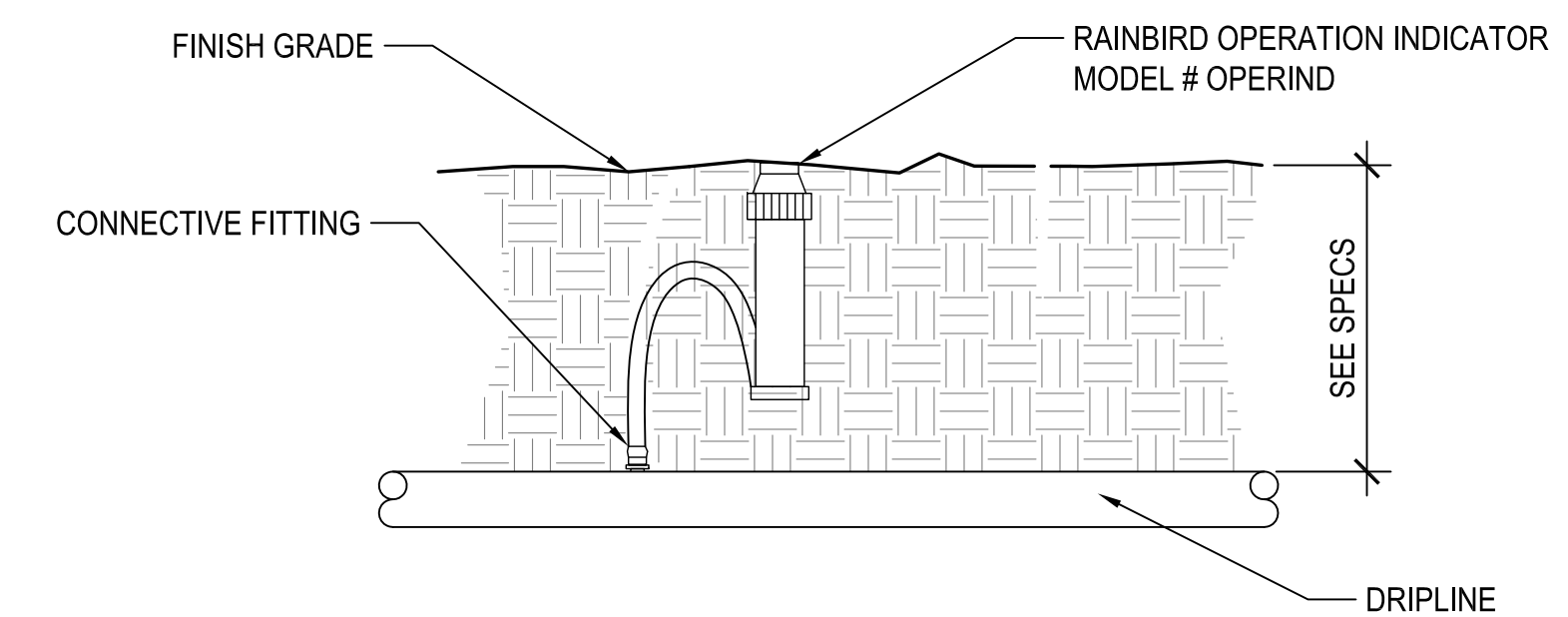


2

### AUTO FLUSH VALVE

SCALE: 3" = 1'-0"

- NOTE:
1. LOCATE INDICATOR AT THE FARTHEST AND/OR HIGHEST POINT ON THE ZONE.



8

### DRIP OPERATION INDICATOR

NTS

NOT FOR CONSTRUCTION

# DUNPHY PARK

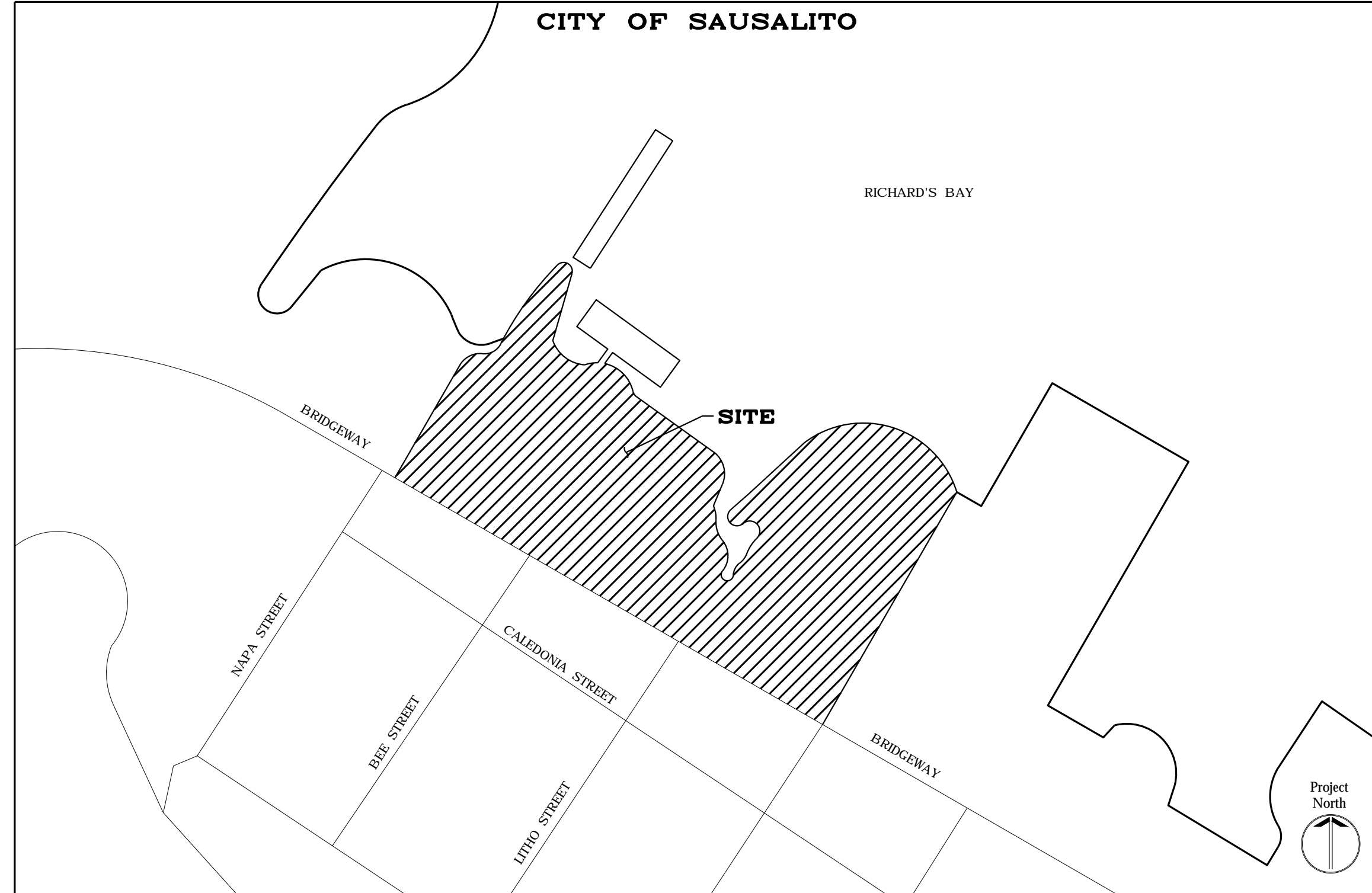
## SAUSALITO, CALIFORNIA

### GENERAL NOTES

- THE DESIGN SHOWN IN THESE DOCUMENTS WAS BASED ON THE FOLLOWING:
  - CITY OF SAUSALITO CODE ORDINANCES.
  - ALL GUIDELINES AS SET FORTH BY THE GEOTECHNICAL STUDY REPORT: DUNPHY PARK IMPROVEMENTS BY RGH CONSULTANTS, DATED JUN 9, 2015.
  - THE GEOTECHNICAL REPORT SHALL BE INCLUDED AS PART OF THE WORKING DOCUMENTS AND THE CONTRACTOR SHALL FOLLOW ALL RECOMMENDATIONS OF THIS REPORT.
  - REQUIREMENTS OF ALL PERMITS APPLICABLE TO THIS PROJECT.
- TOPOGRAPHIC BASE SURVEY AS ILLUSTRATED ON THESE PLANS BY LINDA A. CARRUTHERS & ASSOCIATES, DATED DECEMBER 9, 2013 AND REVISED JUNE 15, 2017.
- THE SUBSURFACE OF THE CONSTRUCTION SITE MAY BE SENSITIVE FOR PALEONTOLOGICAL RESOURCES. IF PALEONTOLOGICAL RESOURCES ARE ENCOUNTERED DURING PROJECT SUBSURFACE CONSTRUCTION, ALL GROUND-DISTURBING ACTIVITIES WITHIN 50 FEET SHALL BE REDIRECTED AND THE COMMUNITY DEVELOPMENT AGENCY, PLANNING DIVISION SHALL BE CONTACTED, AS WELL AS OTHER CONSULTING AGENCIES AS APPROPRIATE, AND A QUALIFIED PALEONTOLOGIST TO ASSESS THE SITUATION, AND MAKE RECOMMENDATIONS FOR THE TREATMENT OF THE DISCOVERY. PROJECT PERSONNEL SHALL NOT COLLECT OR MOVE ANY PALEONTOLOGICAL MATERIALS. PALEONTOLOGICAL RESOURCES INCLUDE FOSSIL PLANTS AND ANIMALS, AND SUCH TRACE FOSSIL EVIDENCE OF PAST LIFE AS TRACKS, ANCIENT MARINE SEDIMENTS MAY CONTAIN INVERTEBRATE FOSSILS SUCH AS SNAILS, CLAM AND OYSTER SHELLS, SPONGES, AND PROTOZOA, AND VERTEBRATE FOSSILS SUCH AS FISH, WHALE, AND SEA LION BONES. VERTEBRATE LAND MAMMALS MAY INCLUDE BONES OF MAMMOTH, CAMEL, SABER-TOOTH CAT, HORSE, AND BISON. PALEONTOLOGICAL RESOURCES ALSO INCLUDE PLANT IMPRINTS, PETRIFIED WOOD, AND ANIMAL TRACKS.
- IF HUMAN REMAINS ARE ENCOUNTERED DURING PROJECT ACTIVITIES, WORK WITHIN 50 FEET OF THE DISCOVERY SHALL BE REDIRECTED AND THE TOWN CORONER NOTIFIED IMMEDIATELY. AT THE SAME TIME, AN ARCHAEOLOGIST SHALL BE CONTACTED TO ASSESS THE SITUATION AND CONSULT WITH AGENCIES AS APPROPRIATE. PROJECT PERSONNEL SHALL NOT COLLECT OR MOVE ANY HUMAN REMAINS AND ASSOCIATED MATERIALS. IF THE HUMAN REMAINS ARE OF NATIVE AMERICAN ORIGIN, THE CORONER MUST NOTIFY THE NATIVE AMERICAN HERITAGE COMMISSION WITHIN 24 HOURS OF THIS IDENTIFICATION. THE NATIVE AMERICAN HERITAGE COMMISSION WILL IDENTIFY A MOST LIKELY DESCENDANT (MLD) TO INSPECT THE SITE AND PROVIDE RECOMMENDATIONS FOR THE PROPER TREATMENT OF THE REMAINS AND ASSOCIATED GRAVE GOODS.

### GRADING NOTES

- ALL GRADING AND DRAINAGE TO COMPLY WITH RECOMMENDATIONS IN SOILS REPORT ENTITLED "GEOTECHNICAL STUDY REPORT: DUNPHY PARK IMPROVEMENTS", BY RGH CONSULTANTS, DATED: JUNE 9, 2015.
- ALL GRADING SHALL CONFORM WITH THE CITY OF SAUSALITO CODE ORDINANCES.
- THE CONTRACTOR OR ANY SUBCONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT ONE CALL PROGRAM 48 HOURS IN ADVANCE OF PERFORMING EXCAVATION WORK BY CALLING THE TOLL-FREE NUMBER 800-227-2600. EXCAVATION IS BEING 18 OR MORE INCHES IN DEPTH BELOW THE EXISTING GROUND.
- ACTUAL GRADING SHALL BEGIN WITHIN 30 DAYS OF VEGETATION REMOVAL OR THE AREA SHALL BE PLANTED TO CONTROL EROSION. SURFACE PLANT GROWTH ONLY, WHICH DOES NOT EXCEED 4 INCHES IN DEPTH.
- CONTRACTOR SHALL NOTIFY THE CITY 48 HOURS PRIOR TO THE INTENTION TO COMMENCE WORK.
- A COPY OF ALL COMPACTION TESTS AND FINAL GRADING REPORT SHALL BE SUBMITTED TO THE CITY PRIOR TO SCHEDULING ANY INSPECTIONS.
- PERMANENT CUT AND FILL SLOPES SHALL BE NO STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2H:1V) PER GEOTECHNICAL ENGINEER'S REPORT. TEMPORARY CUT SLOPES SHALL BE REVIEWED AND APPROVED BY GEOTECHNICAL ENGINEER.
- PROVIDE 5 FT OF 2% MINIMUM SLOPE FOR PAVED AREAS, 3% MINIMUM SLOPE FOR SOFTSCAPE AREAS AWAY FROM BUILDINGS ON ALL SIDES PER GEOTECH REPORT UNLESS NOTED OTHERWISE.
- SOIL COMPACTION SHALL BE A MINIMUM OF 90% RELATIVE COMPACTION FOR FILLS. ROAD SUBGRADES SHALL BE COMPACTED TO A 95% RELATIVE COMPACTION.
- THE CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- TREE PROTECTION FENCING SHALL BE INSTALLED IN ACCORDANCE WITH PROJECT SCOPE PRIOR TO CONSTRUCTION. SEE EROSION CONTROL PLAN IN THIS PERMIT SET.
- GRADING OR ANY OTHER OPERATION THAT CREATES DUST SHALL BE STOPPED IMMEDIATELY IF DUST AFFECTS ADJACENT PROPERTIES. MUD TRACKED ONTO ONTO STREETS OR ADJACENT PROPERTIES SHALL BE REMOVED IMMEDIATELY AS DIRECTED BY A TOWN INSPECTOR.
- THIS PLAN REFERENCES AN EXISTING TOPOGRAPHIC SURVEY PREPARED BY LINDA A. CARRUTHERS & ASSOCIATES, DATED DECEMBER 9, 2013. THE CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING TOPOGRAPHICAL INFORMATION PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION.



### LOCATION MAP

NTS

### SURVEY NOTES

- THE BASIS OF BEARINGS FOR THIS SURVEY IS NORTH 58°39'36" WEST BETWEEN FOUND STD. CITY MONUMENTS ON BRIDGEWAY AS SHOWN HEREON.
- THE BENCHMARK USED FOR THIS SURVEY IS A 2.5" BRASS DISK SET IN THE CENTER LINE ISLAND OF NAPA STREET AND BRIDGEWAY, HAVING AN ELEVATION OF 13.67 FEET NAVD 1988.
- THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN THE TOPOGRAPHICAL SURVEY ARE APPROXIMATE AND OBTAINED FROM SOURCES OF VARYING RELIABILITY. ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, THE ENGINEER CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES WHICH MAY BE ENCOUNTERED, BUT WHICH ARE NOT SHOWN ON THIS SURVEY.
- THE CONTRACTOR AND/OR OWNER SHALL PROVIDE ALL SURVEYING AND STAKING NECESSARY FOR THE ENTIRE PROJECT.
- AFTER ALL PERMITS ARE OBTAINED, THE CIVIL ENGINEER WILL PROVIDE THE CONTRACTOR WITH DIGITAL FILES OF LAYOUT PLANS FOR STAKING PURPOSES.

### UTILITY NOTES

- AVAILABLE INFORMATION CONCERNING THE EXTENT AND LOCATION OF EXISTING UTILITIES IS SHOWN ON THE PLAN, BUT CONTRACTOR IS CAUTIONED IT DOES NOT NECESSARILY REPRESENT ACTUAL UTILITY LOCATIONS SIZES OR MATERIALS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES, INCLUDING BUT NOT LIMITED TO, WATER, SEWER, ELECTRIC, COMMUNICATIONS, GAS, AND STORM DRAIN. PRIOR TO COMMENCING EXCAVATION OR BELOW GRADE DEMOLITION.
  - CONTACT UNDERGROUND UTILITY LOCATOR TO HAVE UTILITIES LOCATED AND MARKED NOT LESS THAN 2 WORKING DAYS, AND NOT MORE THAN 14 WORKING DAYS PRIOR TO EXCAVATION.
  - AS NOTED ON THE PLANS, POTHOLING MAY BE REQUIRED IN SOME AREAS TO CONFIRM THAT MINIMUM REQUIRED VERTICAL CLEARANCES CAN BE ACHIEVED.
- PIPE MATERIALS AND METHODS OF INSTALLATION, INCLUDING TRENCH EXCAVATION AND BACKFILL, SHALL BE IN ACCORDANCE WITH THE APPLICABLE DETAILS PER PLAN AND WITH ALL APPLICABLE MANUFACTURER'S RECOMMENDATIONS.
- PIPES SHALL BE LAID TRUE TO PROPOSED LINE AND GRADE, WITH NO HORIZONTAL DEVIATIONS OR BELLIES. ALL PIPE JOINTS SHALL BE TIGHT AND FULLY SEALED, SO AS TO ACHIEVE WATER-TIGHT OR SOIL-TIGHT JOINTS, AS APPROPRIATE FOR THE SPECIFIC PIPE TYPE.
- PROPOSED UTILITY STRUCTURES SHALL CONFORM TO THE DETAILS SHOWN ON THE PLANS, AND SHALL BE INSTALLED VERTICALLY PLUMB ON A FULLY COMPACTED BASE. STRUCTURES SHALL BE BACKFILLED IN ACCORDANCE WITH THE APPLICABLE DETAIL PER PLAN, AND THE TOP OF EACH STRUCTURE SHALL BE SET SO ALL EXPOSED PORTIONS (FRAME, GRATE, COVER, ETC.) CONFORM TO ADJACENT GRADE UNLESS OTHERWISE NOTED.
- ALL WORK PERFORMED TO RESET EXISTING UTILITY BOXES OR STRUCTURES TO PROPOSED GRADE SHALL BE IN ACCORDANCE WITH THE RESPECTIVE OWNER'S (UTILITY COMPANY OR AGENCY) STANDARDS AND REQUIREMENTS. CONTRACTOR IS RESPONSIBLE FOR OBTAINING EACH UTILITY OWNER'S APPROVAL UPON COMPLETION. AS APPLICABLE IN THE EVENT AN EXISTING STRUCTURE IS BROKEN OR OTHERWISE DAMAGED BEYOND THE POINT OF REUSE, IT SHALL BE REPLACED OR RETROFITTED AS DIRECTED BY THE RESPECTIVE UTILITY OWNER.
- IF A UTILITY OWNER REQUIRES THAT ALL WORK RELATING TO A SPECIFIC BOX RETROFIT OR REPLACEMENT BE EXECUTED BY ITS OWN FORCES OR BY A SEPARATE, UTILITY-CERTIFIED CONTRACTOR, THE CONTRACTOR SHALL PROVIDE INFORMATION TO AND COORDINATE WITH THAT OWNER, TO THE EXTENT NECESSARY TO FULLY FACILITATE THE RECONSTRUCTION WORK.

### SHEET LIST

C0.0	NOTES AND ABBREVIATIONS
C1.0	SITE IMPROVEMENT PLAN
C2.0	GRADING PLAN
C2.1	GRADING PLAN
C3.0	DRAINAGE AND UTILITY PLAN
C3.1	DRAINAGE AND UTILITY PLAN
C4.0	DETAILS
C4.1	DETAILS
C4.2	DETAILS
C5.0	EROSION CONTROL PLAN
C5.1	EROSION CONTROL DETAILS

### ABBREVIATIONS

AB	AGGREGATE BASE	MIN	MINIMUM
AC	ASPHALT CONCRETE	N	NORTH
AD	AREA DRAIN	OC	ON CENTER
ADA	AMERICANS WITH DISABILITIES ACT	(P)	PROPOSED
BC	BOTTOM OF CURB	PA	PLANTED AREA
BS	BOTTOM OF STEP	PED	PEDESTRIAN
BW	BOTTOM OF WALL / BACK OF WALK	PIP	PROTECT IN PLACE
C&G	CURB & GUTTER	PL	PROPERTY LINE
CB	CATCH BASIN	POC	POINT OF CONNECTION
CF	CUBIC FEET	PSI	POUNDS PER SQUARE INCH
CL	CENTERLINE	PVMT	PAVEMENT
CO	CLEAN OUT	RCP	REINFORCED CONCRETE PIPE
CONC	CONCRETE	RET	RETAINING
DI	DRAINAGE INLET	RIM	TOP OF STRUCTURE GRATE/ COVER
DS	DRAIN SPOUT	RW	RAINWATER
DW	DOMESTIC WATER	RWL	RAINWATER LEADER
E	EAST	S	SLOPE
(E)	EXISTING	SAP	SEE ARCHITECTURAL PLANS
EB	ELECTRICAL BOX	SCO	SOFTSCAPE CLEANOUT
EC	END CURVE	SD	STORM DRAIN
EL, ELEV	ELEVATION	SDE	SHERWOOD DESIGN ENGINEERS
ELEC	ELECTRIC	SDMH	STORM DRAIN MANHOLE
EP	EDGE OF PAVEMENT	SEP	SEE ELECTRICAL PLANS
EVA	EMERGENCY VEHICLE ACCESS	SF	SQUARE FEET
FC	FACE OF CURB	SLP	SEE LANDSCAPE PLANS
FEMA	FEDERAL EMERGENCY MANAGEMENT AGENCY	SMP	SEE MECHANICAL PLANS
		SPD	SEE PLUMBING DRAWINGS
FFE	FINISHED FLOOR ELEVATION	SPRK	FW SPRINKLER LINE
FG	FINISH GRADE	SQ	SQUARE
FH	FIRE HYDRANT	SS	SANITARY SEWER
FL	FLOWLINE	SSCO	SANITARY SEWER CLEAN OUT
FS	FINISH SURFACE	SSMH	SANITARY SEWER MANHOLE
FT	FEET	SSP	SEE STRUCTURAL PLANS
FW	FIRE WATER	STD	STANDARD
G	GAS	SW	SIDEWALK
GB	GRADE BREAK	TB	TOP OF BANK
GM	GAS METER	TBD	TO BE DETERMINED
GV	GATE VALVE	TBM	TEMPORARY BENCHMARK
GW	GRAY WATER	TBR	TO BE REMOVED
HP	HIGH POINT	TC	TOP OF CURB
HT	HEIGHT	TD	TRENCH DRAIN
INV	INVERT OF PIPE OR CHANNEL	TEL	TELEPHONE
IRR	IRRIGATION	TEMP	TEMPORARY
JB	JUNCTION BOX	TG	TOP OF GRATE
JP	JOINT POLE	TS	TOP OF STEP
LA	LANDSCAPE ARCHITECT	TW	TOP OF WALL
LF	LINEAR FEET	TYP	TYPICAL
LP	LIGHT POLE/ LOW POINT	UG	UNDERGROUND
LT	LEFT	W	WATER
MAX	MAXIMUM	WALK	WALKWAY/SIDEWALK
MH	MANHOLE	WM	WATER METER
		WS	WATER SURFACE

# rhaa

LANDSCAPE ARCHITECTURE + PLANNING  
 225 Miller Avenue, Mill Valley, CA 94941  
 T 415 383 7900 F 415 383 1433 www.rhaa.com

PROJECT/CLIENT NAME

**Dunphy Park**

200 Napa Street  
 Sausalito, CA 94965

Owner:

City of Sausalito  
 420 Litho St.  
 Sausalito, CA 94965

RHAA PROJECT NUMBER

16042A

CONSULTANT



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SUBMITTAL

Permit Submittal

DATE

21 August 2017

REVISIONS

No.	Date	Description

REGISTRATION AND SIGNATURE



SHEET TITLE

NOTES AND ABBREVIATIONS

DRAWN BY: JG

CHECKED BY: MW

# C0.0

NOT FOR CONSTRUCTION

PROJECT/CLIENT NAME

## Dunphy Park

200 Napa Street  
Sausalito, CA 94965

Owner:

City of Sausalito  
420 Litho St.  
Sausalito, CA 94965

RHAA PROJECT NUMBER

16042A

CONSULTANT



58 Maiden Lane, Third Floor  
San Francisco, CA  
94102@sherwoodengineers.com

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SUBMITTAL

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DATE

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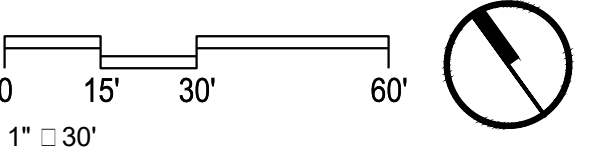
REVISIONS

No.	Date	Description

REGISTRATION AND SIGNATURE



SCALE



SHEET TITLE

## SITE IMPROVEMENT PLAN

DRAWN BY: JG

CHECKED BY: MW

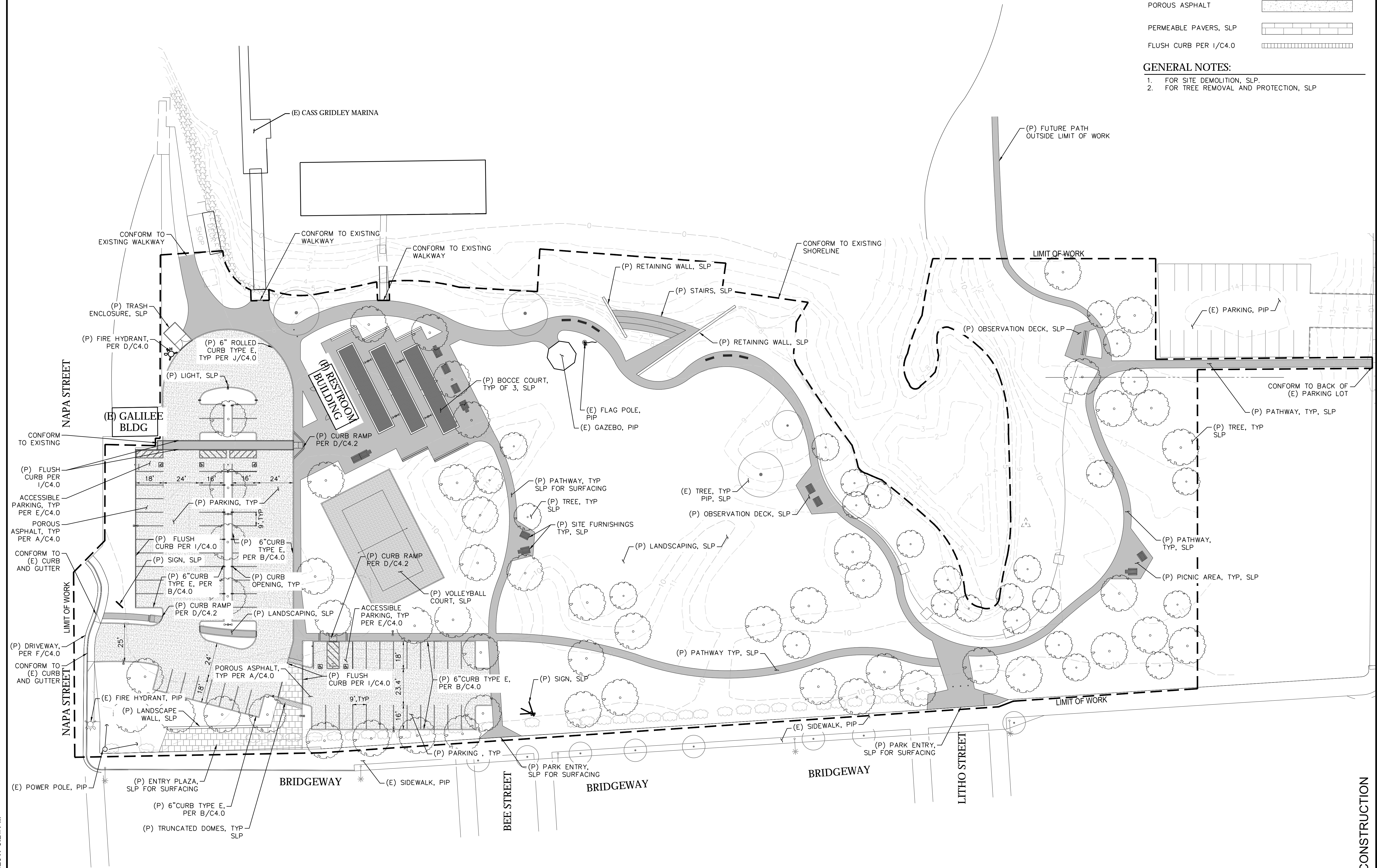
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### LEGEND

LIMITS OF WORK	
PATHWAY, SLP	
POROUS ASPHALT	
PERMEABLE PAVERS, SLP	
FLUSH CURB PER 1/C4.0	

### GENERAL NOTES:

1. FOR SITE DEMOLITION, SLP.
2. FOR TREE REMOVAL AND PROTECTION, SLP.



NOT FOR CONSTRUCTION

P:\2017\17-029\_Dunphy\04\_Design\04\_CD\C1.0 - SITE PLAN.dwg C:\Users\Battista\OneDrive\Documents\17-029\17-029\17-029\17-029.dwg 8/17/2017 5:22:53 PM AECX1 equal D:\0600 x 24.00 Inches, 1:1  
Date Plotted: 8/17/2017 5:22:53 PM

PROJECT/CLIENT NAME

## Dunphy Park

200 Napa Street  
Sausalito, CA 94965

Owner:

City of Sausalito  
420 Litho St.  
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San Francisco, CA  
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SUBMITTAL

### Permit Submittal

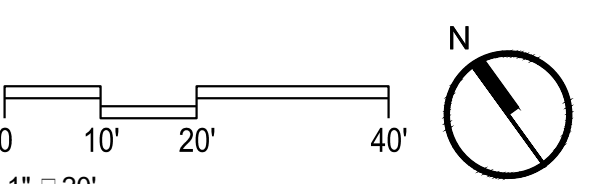
DATE

21 August 2017

REVISIONS

No.	Date	Description

REGISTRATION AND SIGNATURE



### SHEET TITLE GRADING PLAN

DRAWN BY: JG CHECKED BY: MW

# C2.0

### LEGEND

GRADE BREAK	
MINOR CONTOUR	
MAJOR CONTOUR	
LIMITS OF WORK	
SAWCUT	
SLOPE	
FINISH FLOOR ELEVATION	
FLOW DIRECTION	
CURB OPENING PER 1/C4.1	
FLUSH CURB PER 1/C4.0	

### GENERAL NOTES

- FOR GRADING ALONG PATHWAYS, BOCCO COURTS, AND VOLLEYBALL COURT, SLP.
- FOR GRADING AND IMPROVEMENTS ALONG SHORELINE, SLP.

### EARTHWORK ANALYSIS

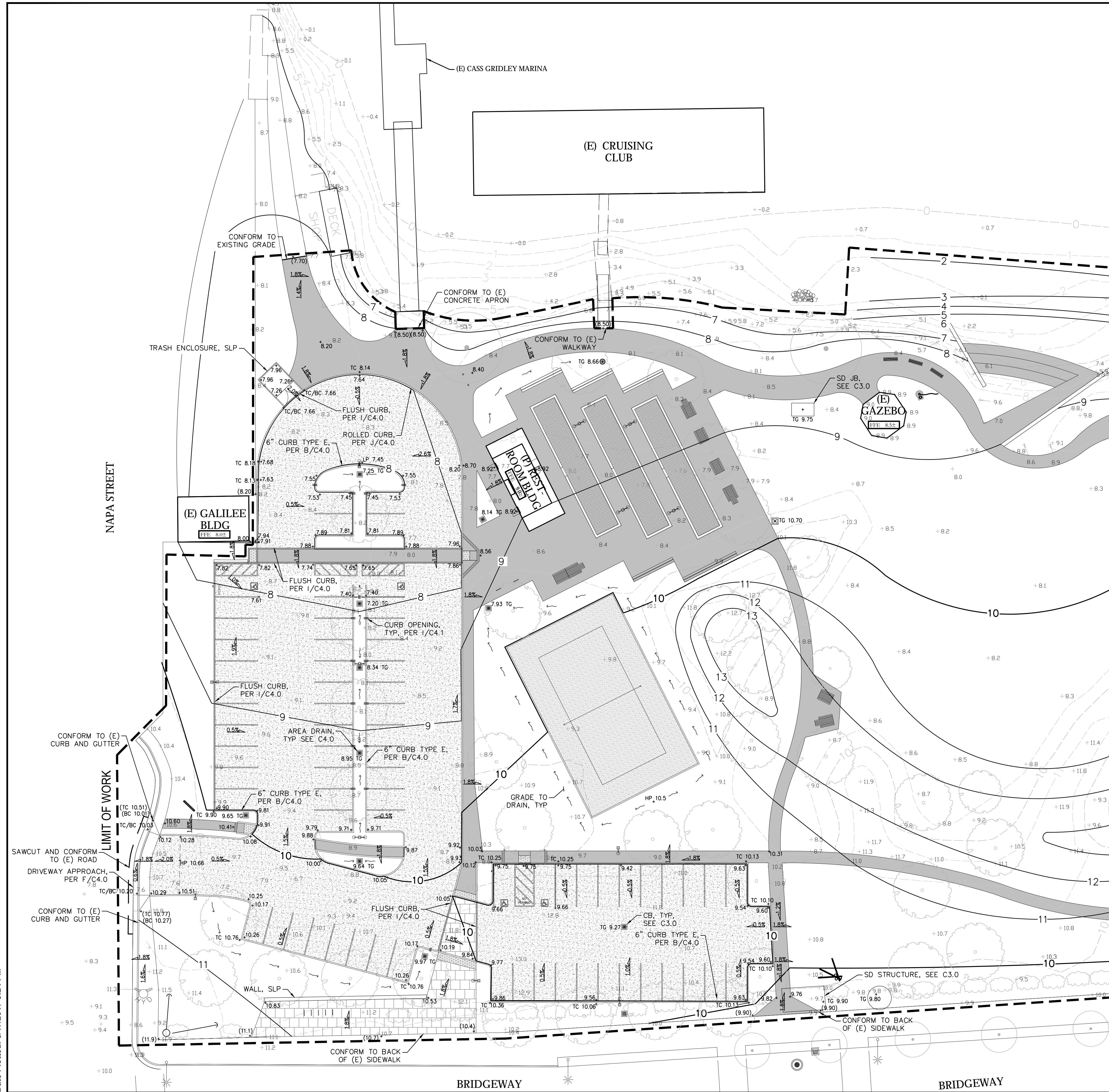
	CUT ANALYSIS (CUBIC YARDS)	FILL ANALYSIS (CUBIC YARDS)
PROJECT TOTALS	3,993	3,634

PROJECT NET 360 ± CU YDS (EXPORT)\*

\*SITE GRADING TO BE ADJUSTED ON-SITE SO THAT NO IMPORT OR EXPORT IS REQUIRED

### NOTE

SHERWOOD DESIGN ENGINEERS IS NOT AN ENGINEERING CONTRACTOR, NOR SHOULD OUR RENDERING OF CUT AND FILL EARTHWORK VOLUMES BE CONSIDERED EQUIVALENT TO THE NATURE AND EXTENT OF SERVICE AN ENGINEERING CONTRACTOR WOULD PROVIDE. THIS ESTIMATE IS BASED SOLELY ON OUR OWN ANALYSIS, WHICH IS AS ACCURATE AS THE INFORMATION PROVIDED TO US IN REGARDS TO EXISTING TOPOGRAPHY AND CONCEPTUAL GRADING. THIS ANALYSIS WILL NOT REFLECT THE LOCALIZED SITE CONDITIONS NOT REPRESENTED ON THE TOPOGRAPHIC SURVEY, NOR DOES IT TAKE INTO EFFECT FACTORS SUCH AS SHRINKAGE, SWELL, LOSS DURING TRANSPORT AND SUBSIDENCE, UNLESS OTHERWISE STATED ON QUANTITIES TABLE ABOVE. THIS EARTHWORK VOLUME ANALYSIS SHOULD NOT BE USED FOR BID PURPOSES. DUE TO THESE FACTORS, SHERWOOD DESIGN ENGINEERS CANNOT GUARANTEE THE ACCURACY OF OUR EARTHWORK VOLUME ESTIMATE BEYOND USE AS A PLANNING TOOL.



NOT FOR CONSTRUCTION

P:\2017\17\_029\_Dunphy\04\_Design\01\_CD\C2.0 - GRADING PLAN.dwg (2/20/17 5:24:08 PM) A:\NCTI\expant\1 D 08.dwg - 24.00 Inches, L1  
Date Plotted: 8/17/2017 5:24 PM

PROJECT/CLIENT NAME

## Dunphy Park

200 Napa Street  
Sausalito, CA 94965

Owner:  
City of Sausalito  
420 Litho St.  
Sausalito, CA 94965

RHAA PROJECT NUMBER

16042A

CONSULTANT



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SUBMITTAL

### Permit Submittal

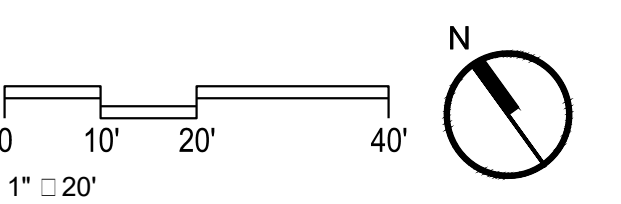
DATE

21 August 2017

REVISIONS

No.	Date	Description

REGISTRATION AND SIGNATURE



SHEET TITLE  
**DRAINAGE PLAN**

DRAWN BY: JG CHECKED BY: MW

# C2.1

### LEGEND

GRADE BREAK	
MINOR CONTOUR	
MAJOR CONTOUR	
LIMITS OF WORK	
SAWCUT	
SLOPE	
FINISH FLOOR ELEVATION	
FLOW DIRECTION	
CURB OPENING PER 1/C4.0	
FLUSH CURB PER 1/C4.0	

### GENERAL NOTES

- FOR GRADING ALONG PATHWAYS, BOCCO COURTS, AND VOLLEYBALL COURT, SLP.
- FOR GRADING AND IMPROVEMENTS ALONG SHORELINE, SLP.

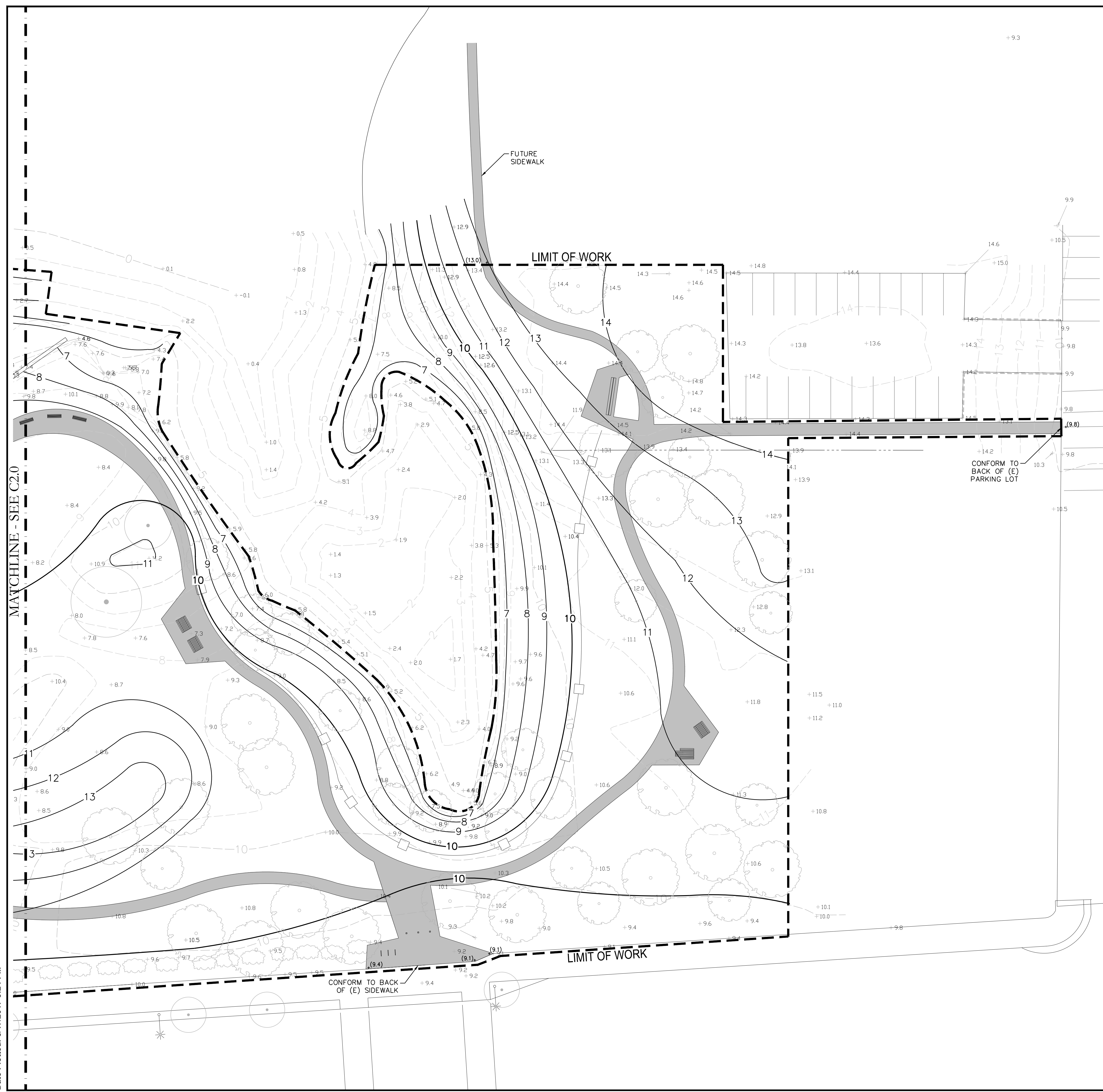
### EARTHWORK ANALYSIS

	CUT ANALYSIS (CUBIC YARDS)	FILL ANALYSIS (CUBIC YARDS)
PROJECT TOTALS	3,993	3,634

PROJECT NET 360 ± CU YDS (EXPORT)\*

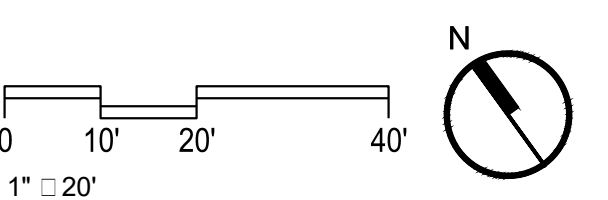
\*SITE GRADING TO BE ADJUSTED ON-SITE SO THAT NO IMPORT OR EXPORT IS REQUIRED

**NOTE**  
SHERWOOD DESIGN ENGINEERS IS NOT AN ENGINEERING CONTRACTOR, NOR SHOULD OUR RENDERING OF CUT AND FILL EARTHWORK VOLUMES BE CONSIDERED EQUIVALENT TO THE NATURE AND EXTENT OF SERVICE AN ENGINEERING CONTRACTOR WOULD PROVIDE. THIS ESTIMATE IS BASED SOLELY ON OUR OWN ANALYSIS, WHICH IS AS ACCURATE AS THE INFORMATION PROVIDED TO US IN REGARDS TO EXISTING TOPOGRAPHY AND CONCEPTUAL GRADING. THIS ANALYSIS WILL NOT REFLECT THE LOCALIZED SITE CONDITIONS NOT REPRESENTED ON THE TOPOGRAPHIC SURVEY, NOR DOES IT TAKE INTO EFFECT FACTORS SUCH AS SHRINKAGE, SWELL, LOSS DURING TRANSPORT AND SUBSIDENCE, UNLESS OTHERWISE STATED ON QUANTITIES TABLE ABOVE. THIS EARTHWORK VOLUME ANALYSIS SHOULD NOT BE USED FOR BID PURPOSES. DUE TO THESE FACTORS, SHERWOOD DESIGN ENGINEERS CANNOT GUARANTEE THE ACCURACY OF OUR EARTHWORK VOLUME ESTIMATE BEYOND USE AS A PLANNING TOOL.



P:\2017\17\_029\_Dunphy\04\_Design\01\_CD\C201 - GRADING PLAN.dwg, C2.1 - GRADING PLAN.dwg, 8/17/2017 5:24:10 PM, AECI, expand, D, 08.00 x 24.00, Inched, L1  
 Date Plotted: 8/17/2017 5:24 PM

NOT FOR CONSTRUCTION

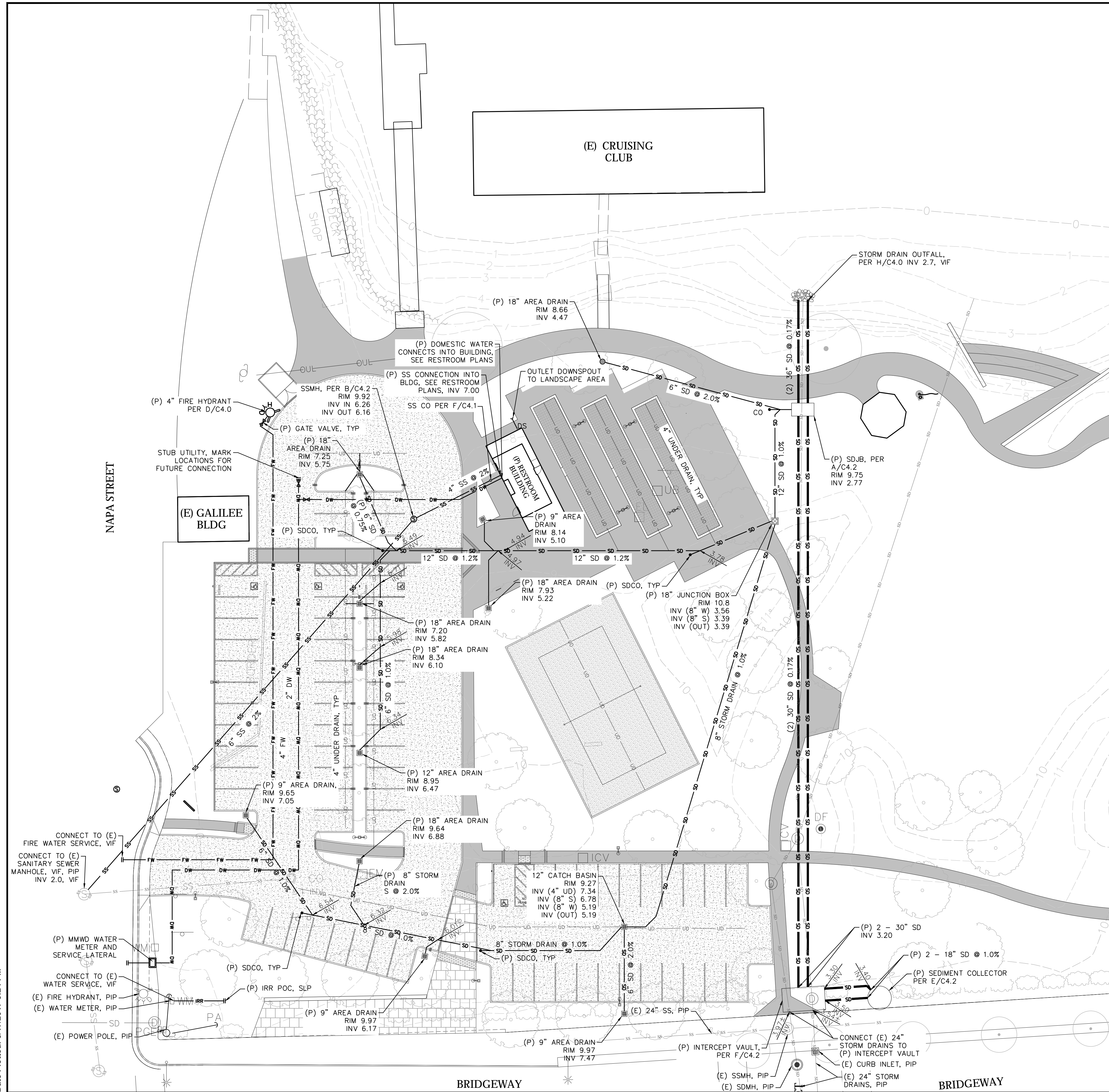


### LEGEND

DOMESTIC WATER LINE	DW	DW
GAS LINE	GAS	GAS
STORM DRAIN LINE	SD	SD
IRRIGATION	IRR	IRR
STORM DRAIN LINE	FW	FW
DOWNSPOUT, SEE BLDG PLANS	DS	DS
CLEANOUT, PER A/C4.1 OR F/C4.1	CO	CO
AREA DRAIN PER B/C4.1	AD	AD
CATCH BASIN PER C/C4.1	CB	CB
STORM DRAIN MANHOLE	SMH	SMH
JUNCTION BOX PER A/C4.2	JB	JB
FIRE HYDRANT PER D/C4.0	H	H
SS MANHOLE PER B/C4.2	SSM	SSM
FLUSH CURB PER I/C4.0	FC	FC

### GENERAL NOTES

- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL CONNECTIONS BETWEEN RESTROOM BUILDING AND SITE UTILITIES.
- LOCATION AT (E) WATER, GAS, AND SEWER LINES IN NAPA STREET AND BRIDGEWAY AND IN THE PROJECT LIMITS ARE APPROXIMATE. CONTRACTOR TO VERIFY LOCATION IN THE FIELD PRIOR TO CONSTRUCTION WITHIN.
- FOR UNDERDRAIN DETAIL AT BOCCO COURTS AND SURROUNDING AREAS, SLP.
- UNLABELED STORM DRAIN LINES SERVING UNDER DRAINS OR A SINGLE AREA DRAIN SHALL BE 4" DIAMETER, INSTALLED AT MINIMUM 2% SLOPE, UNLESS OTHERWISE NOTED.
- FOR (E) UTILITY DEMOLITION, SEE DEMOLITION PLAN ON LANDSCAPE PLANS.
- INSTALL CDF AROUND UTILITIES WHERE COVER IS LESS THAN 18". CDF SLURRY TO MEASURE 18" WIDE WITH MIN. 6" ABOVE AND BELOW PIPE.



MATCHLINE - SEE C3.1

NOT FOR CONSTRUCTION

**Underground Service Alert**

Call: TOLL FREE  
1-800-227-2600

TWO WORKING DAYS BEFORE YOU DIG

PROJECT/CLIENT NAME

## Dunphy Park

200 Napa Street  
Sausalito, CA 94965

Owner:

City of Sausalito  
420 Litho St.  
Sausalito, CA 94965

RHAA PROJECT NUMBER

16042A

CONSULTANT



58 Maiden Lane, Third Floor  
San Francisco, CA  
94102@sherwoodengineers.com

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SUBMITTAL

### Permit Submittal

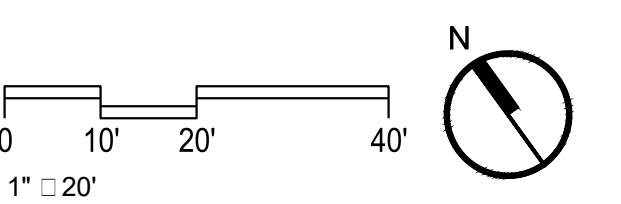
DATE

21 August 2017

REVISIONS

No.	Date	Description

REGISTRATION AND SIGNATURE



SHEET TITLE  
**DRAINAGE AND UTILITY PLAN**

DRAWN BY: JG CHECKED BY: MW

# C3.1

LEGEND

DOMESTIC WATER LINE		DW
GAS LINE		GAS
STORM DRAIN LINE		SD
IRRIGATION		IRR
STORM DRAIN LINE		FW
DOWNSPOUT, SEE BLDG PLANS		DS
CLEANOUT, PER A/C4.1 OR F/C4.1		CO
AREA DRAIN PER B/C4.1		
CATCH BASIN PER C/C4.1		
STORM DRAIN MANHOLE		
JUNCTION BOX PER A/C4.2		
FIRE HYDRANT PER D/C4.0		
SS MANHOLE PER B/C4.2		
FLUSH CURB PER I/C4.0		

GENERAL NOTES

- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL CONNECTIONS BETWEEN RESTROOM BUILDING AND SITE UTILITIES.
- LOCATION AT (E) WATER, GAS, AND SEWER LINES IN NAPA STREET AND BRIDGEWAY AND IN THE PROJECT LIMITS ARE APPROXIMATE. CONTRACTOR TO VERIFY LOCATION IN THE FIELD PRIOR TO CONSTRUCTION WITHIN.
- FOR UNDERDRAIN DETAIL AT BOCCO COURTS AND SURROUNDING AREAS, SLP.
- UNLABELED STORM DRAIN LINES SERVING UNDER DRAINS OR A SINGLE AREA DRAIN SHALL BE 4" DIAMETER, INSTALLED AT MINIMUM 2% SLOPE, UNLESS OTHERWISE NOTED.
- FOR (E) UTILITY DEMOLITION, SEE DEMOLITION PLAN ON LANDSCAPE PLANS.
- INSTALL CDF AROUND UTILITIES WHERE COVER IS LESS THAN 18". CDF SLURRY TO MEASURE 18" WIDE WITH MIN. 6" ABOVE AND BELOW PIPE.



P:\2017\17-029\_Dunphy\04\_Design\01\_CD\C3.0 - DRAINAGE PLAN.dwg C3.1 Brian Berman 8/17/2017 5:24:23 PM ARCH equipt D:\600 x 2400 Inches\11  
 Date Plotted: 8/17/2017 5:24 PM

NOT FOR CONSTRUCTION



PROJECT/CLIENT NAME

## Dunphy Park

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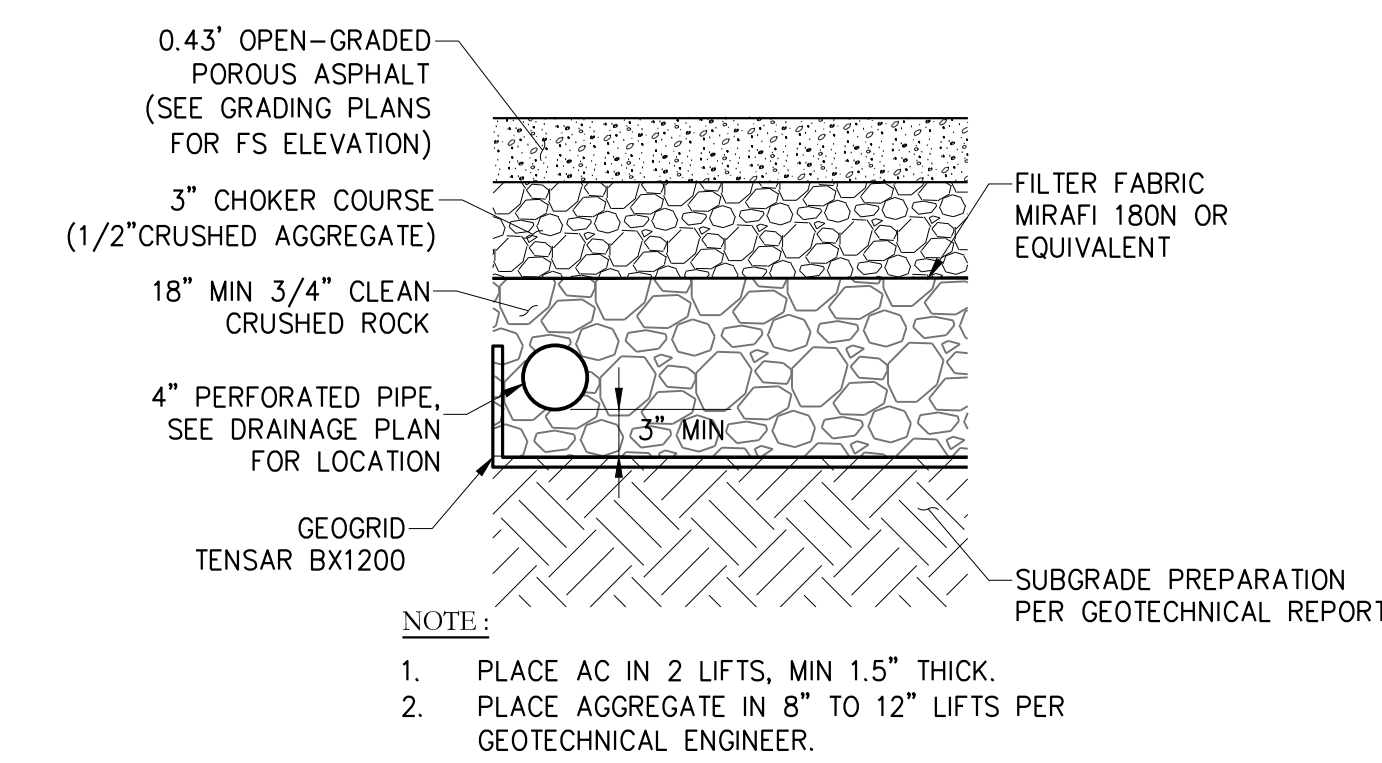
REGISTRATION AND SIGNATURE



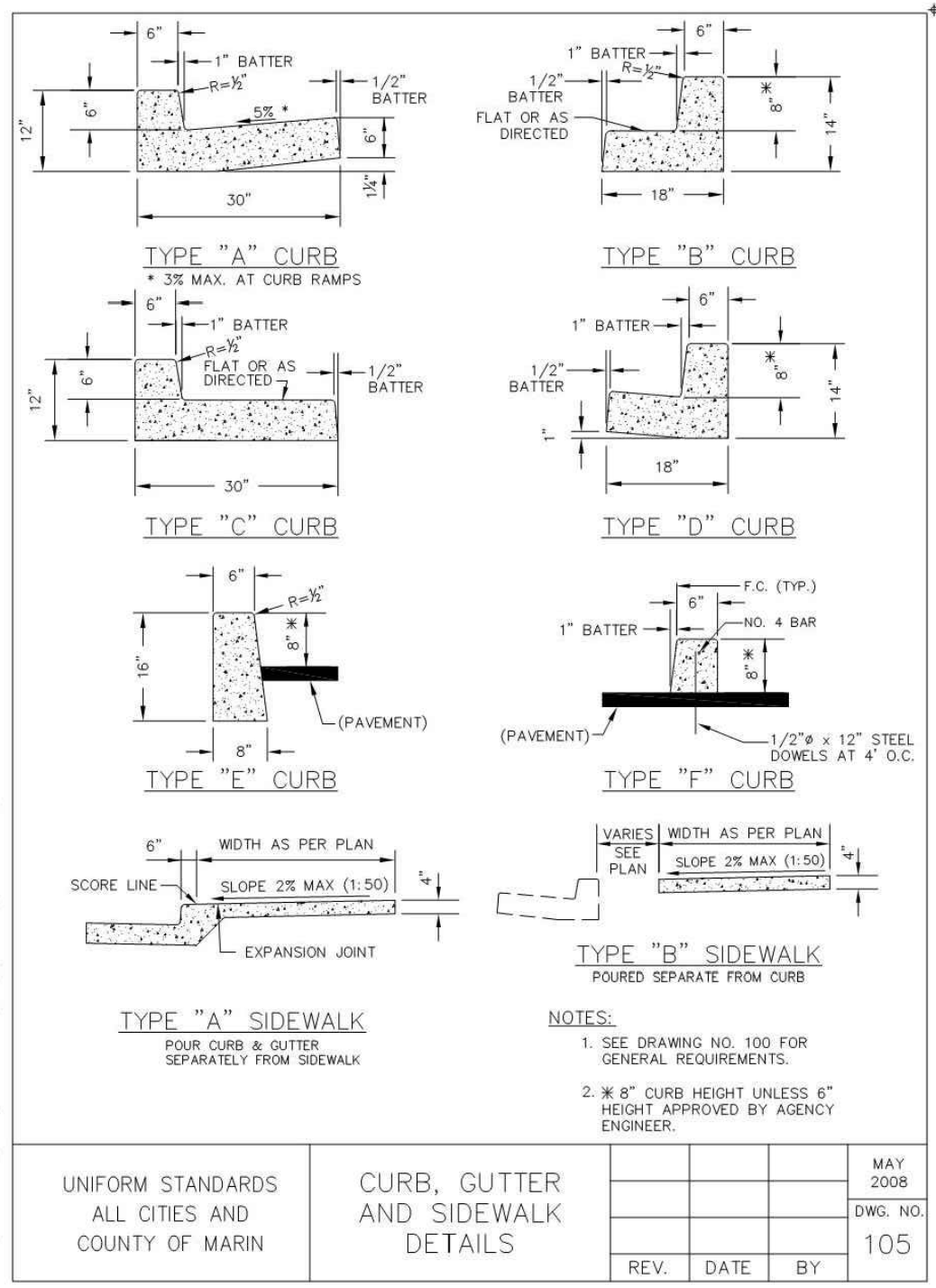
SHEET TITLE  
DETAILS

DRAWN BY: JG CHECKED BY: MW

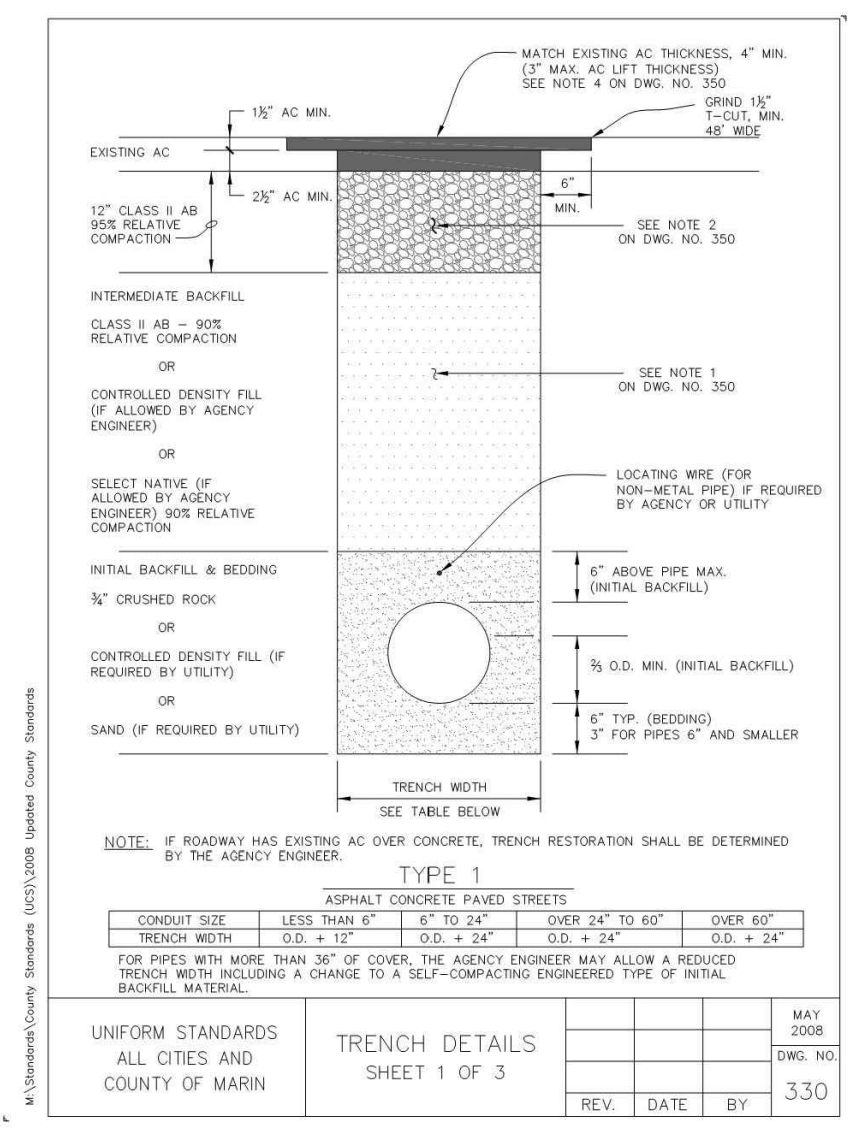
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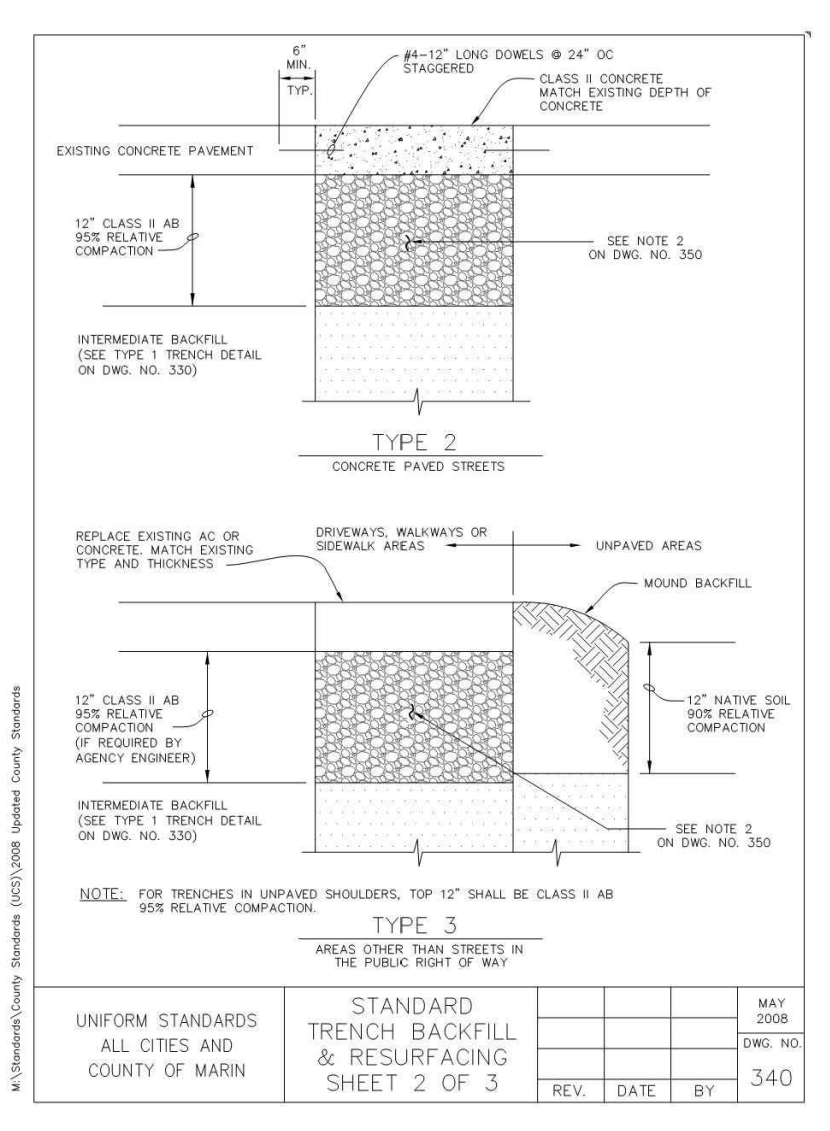
**A** POROUS ASPHALT PAVEMENT  
SCALE: NTS



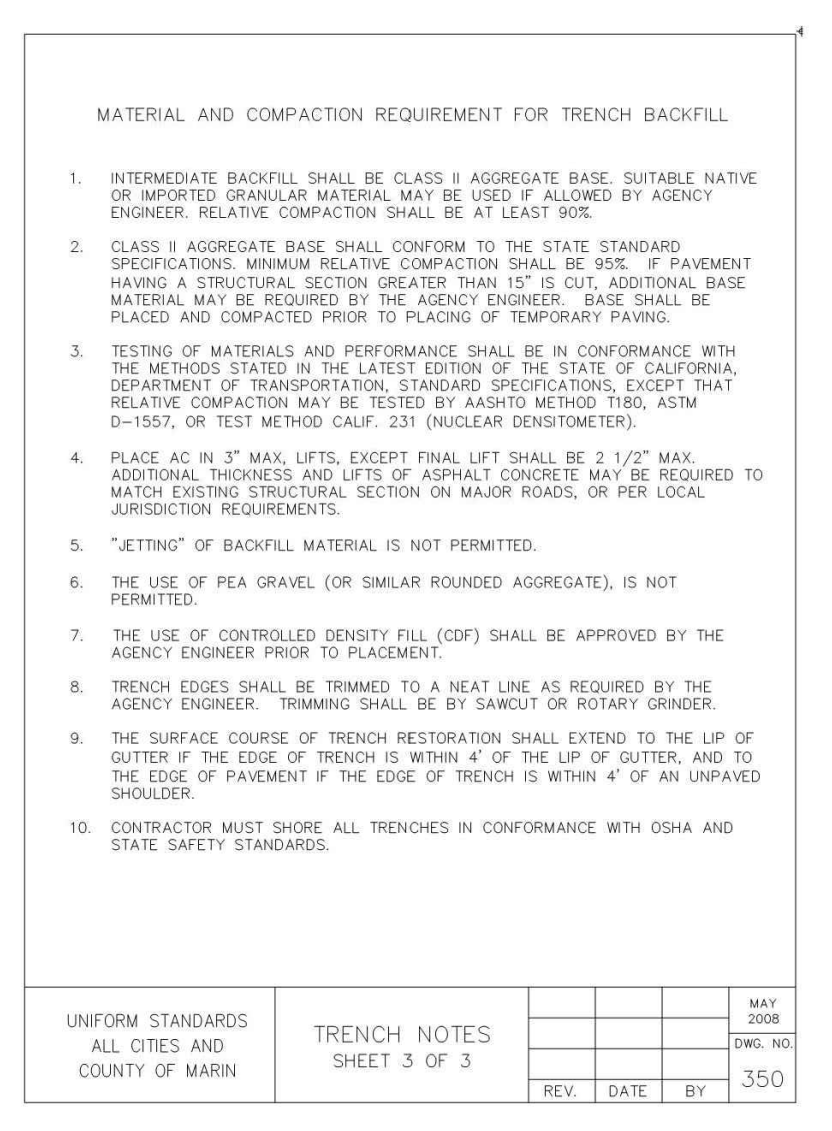
**B** CURB & GUTTER  
SCALE: NTS



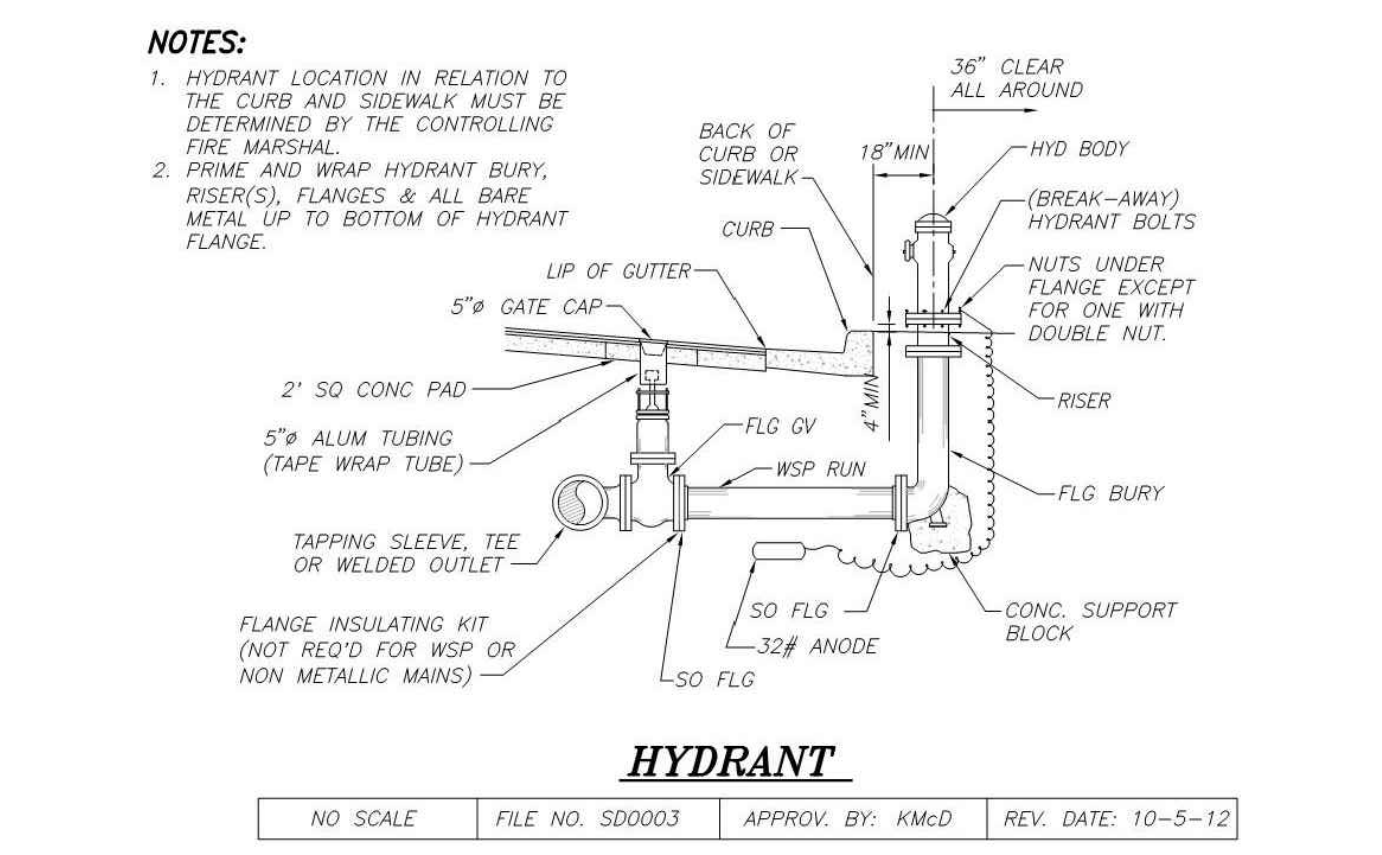
**C** TRENCH DETAILS  
SCALE: NTS



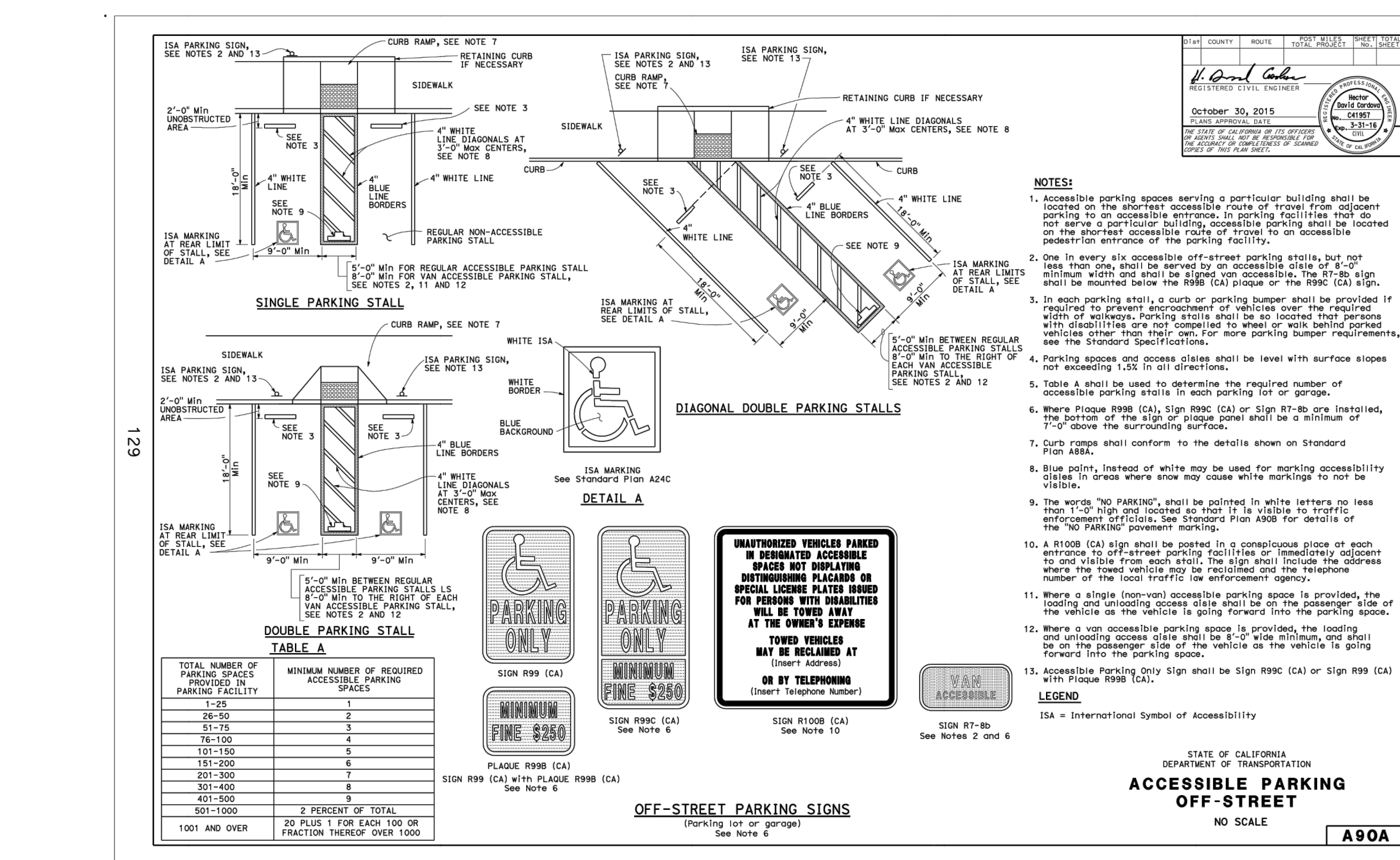
**D** STANDARD BACKFILL & RESURFACING  
SCALE: NTS



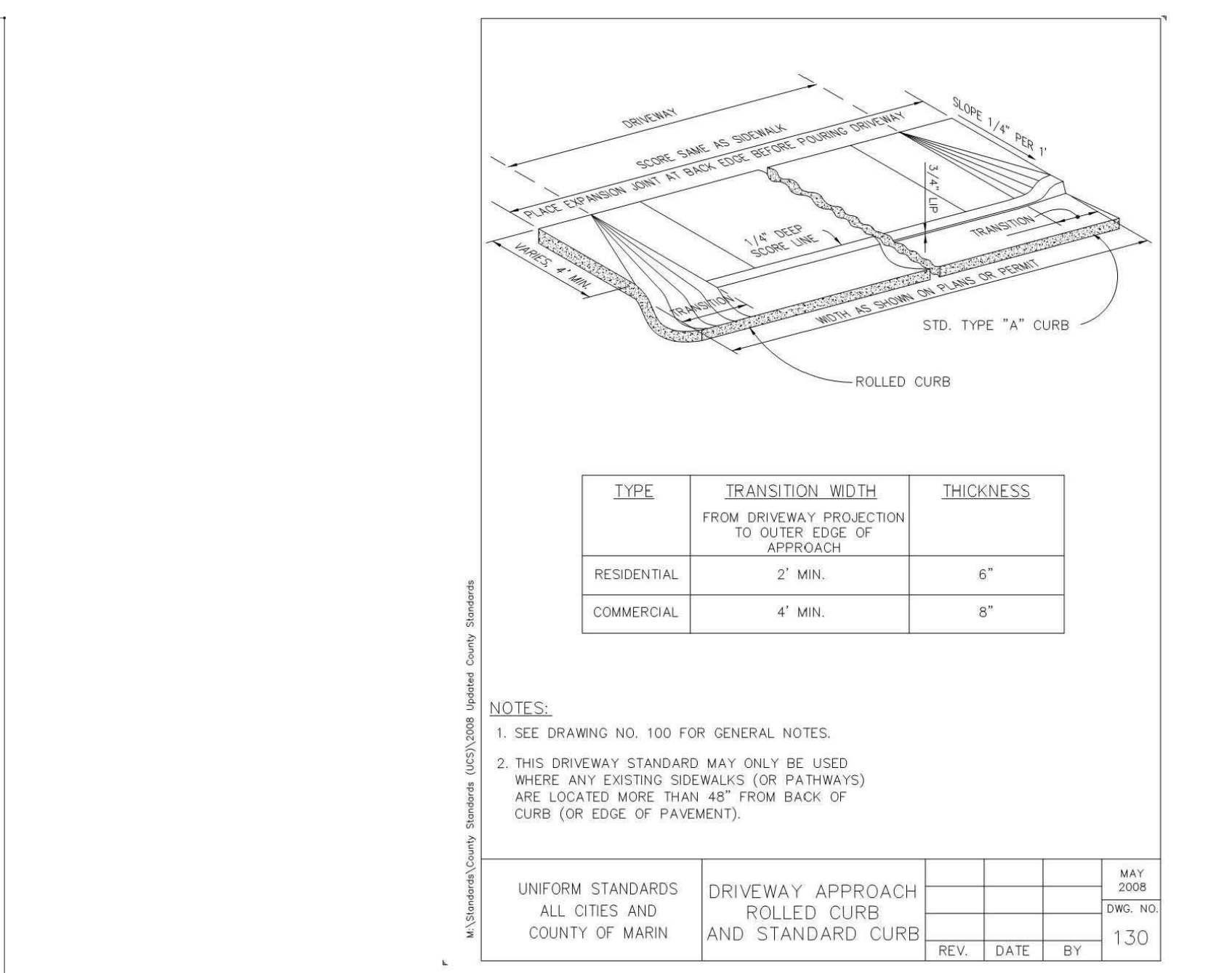
**E** MATERIAL AND COMPACTION REQUIREMENT FOR TRENCH BACKFILL  
SCALE: NTS



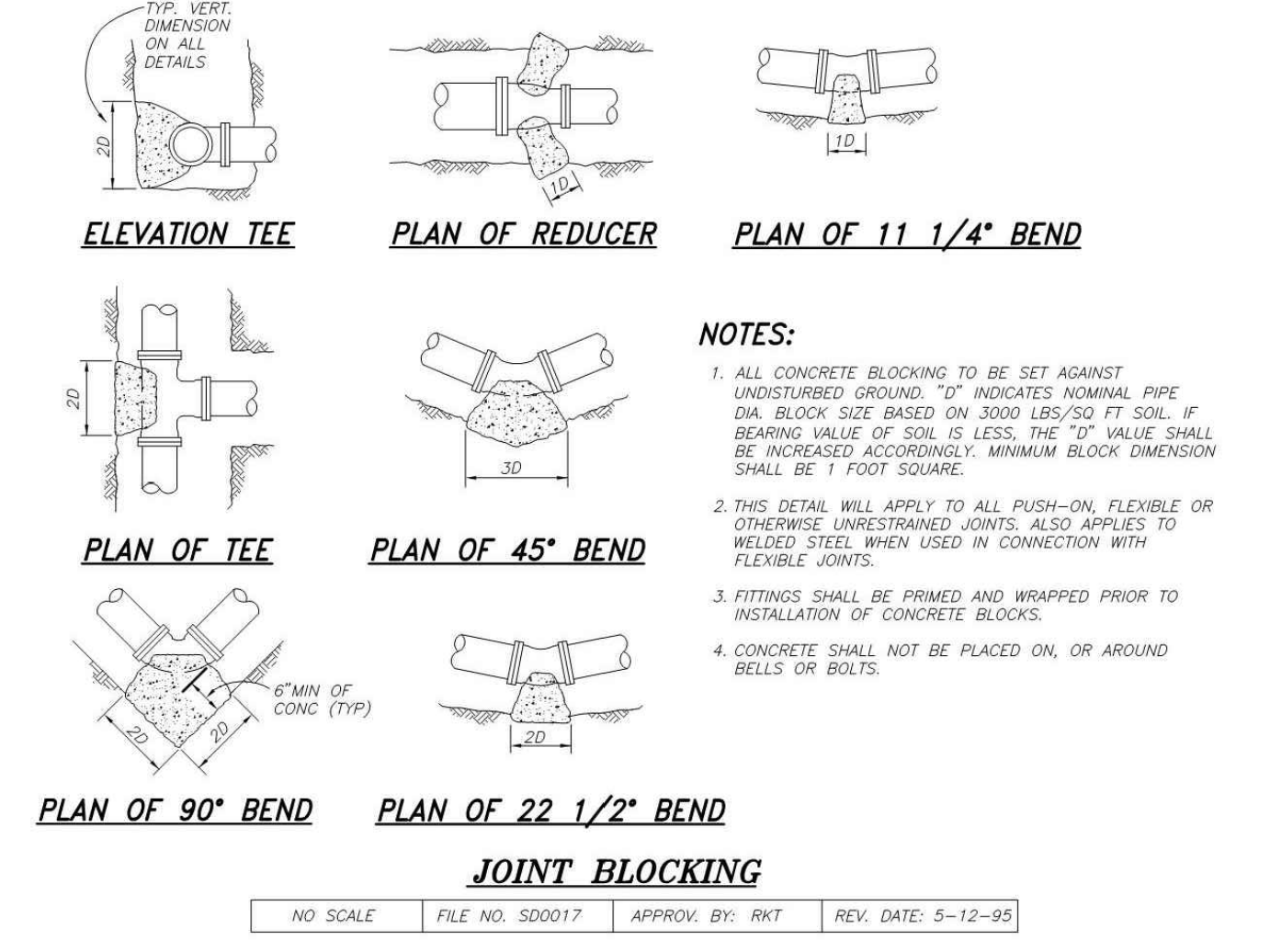
**F** FIRE HYDRANT  
SCALE: NTS



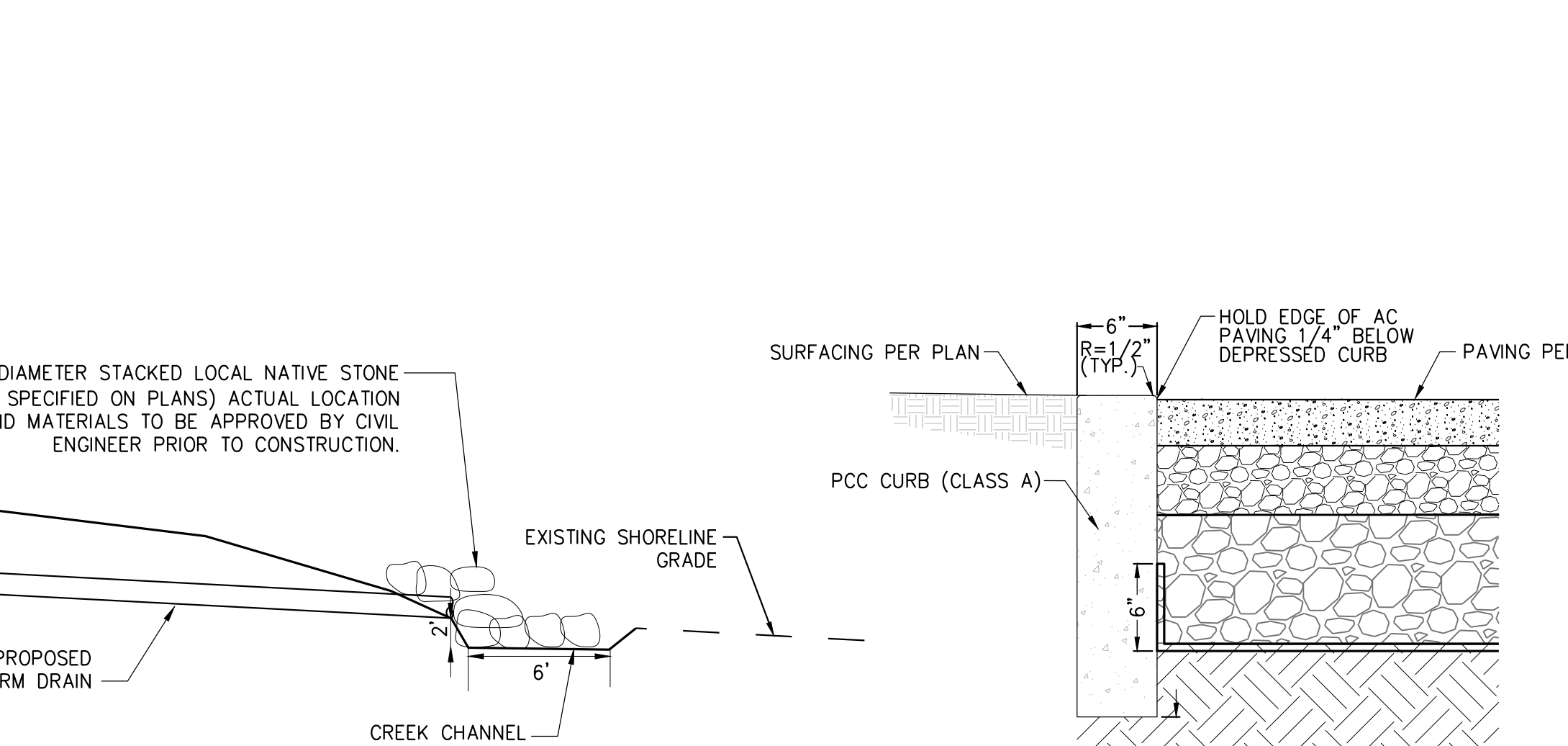
**G** ADA DETAILS  
SCALE: NTS



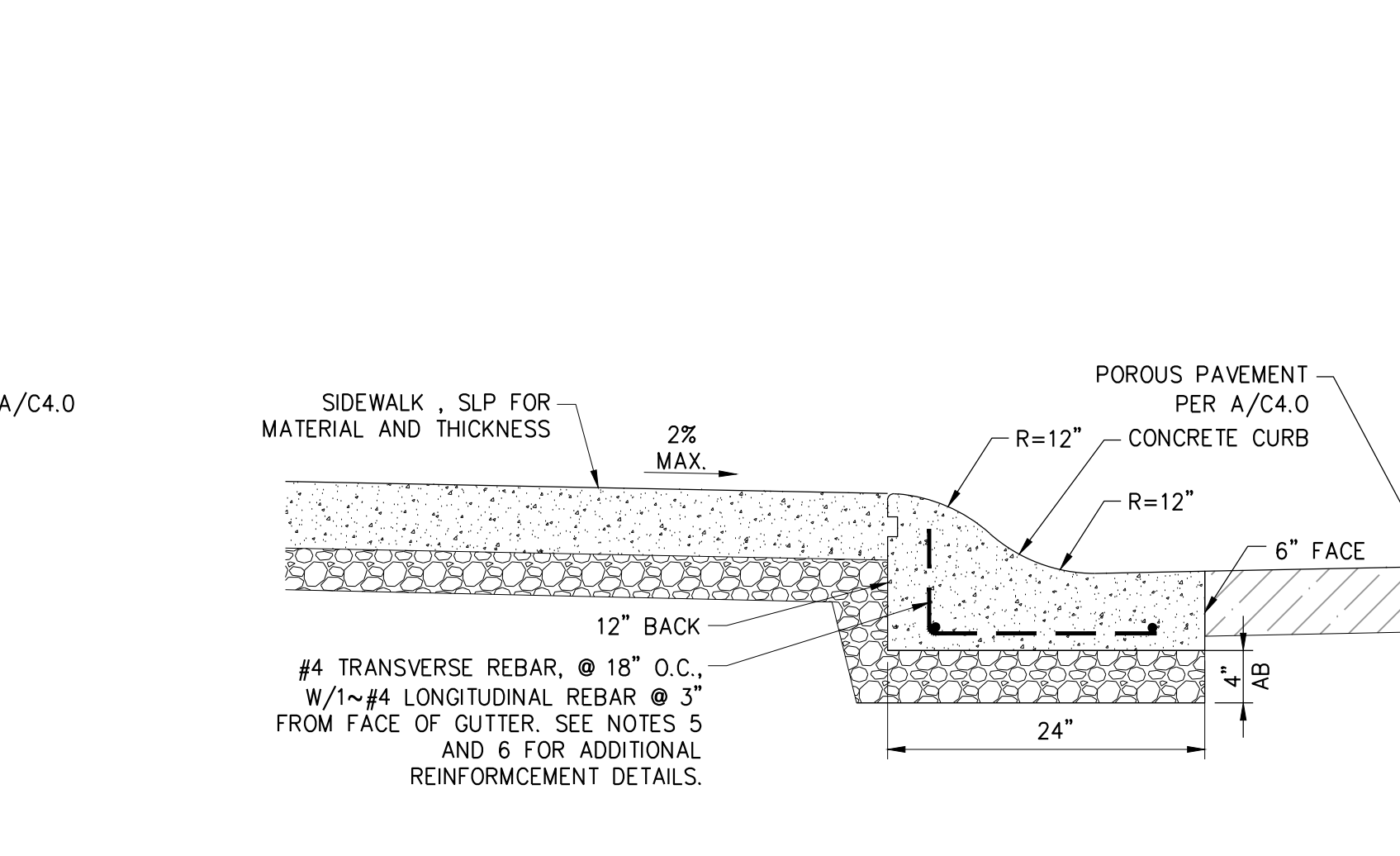
**H** DRIVEWAY APPROACH  
SCALE: NTS



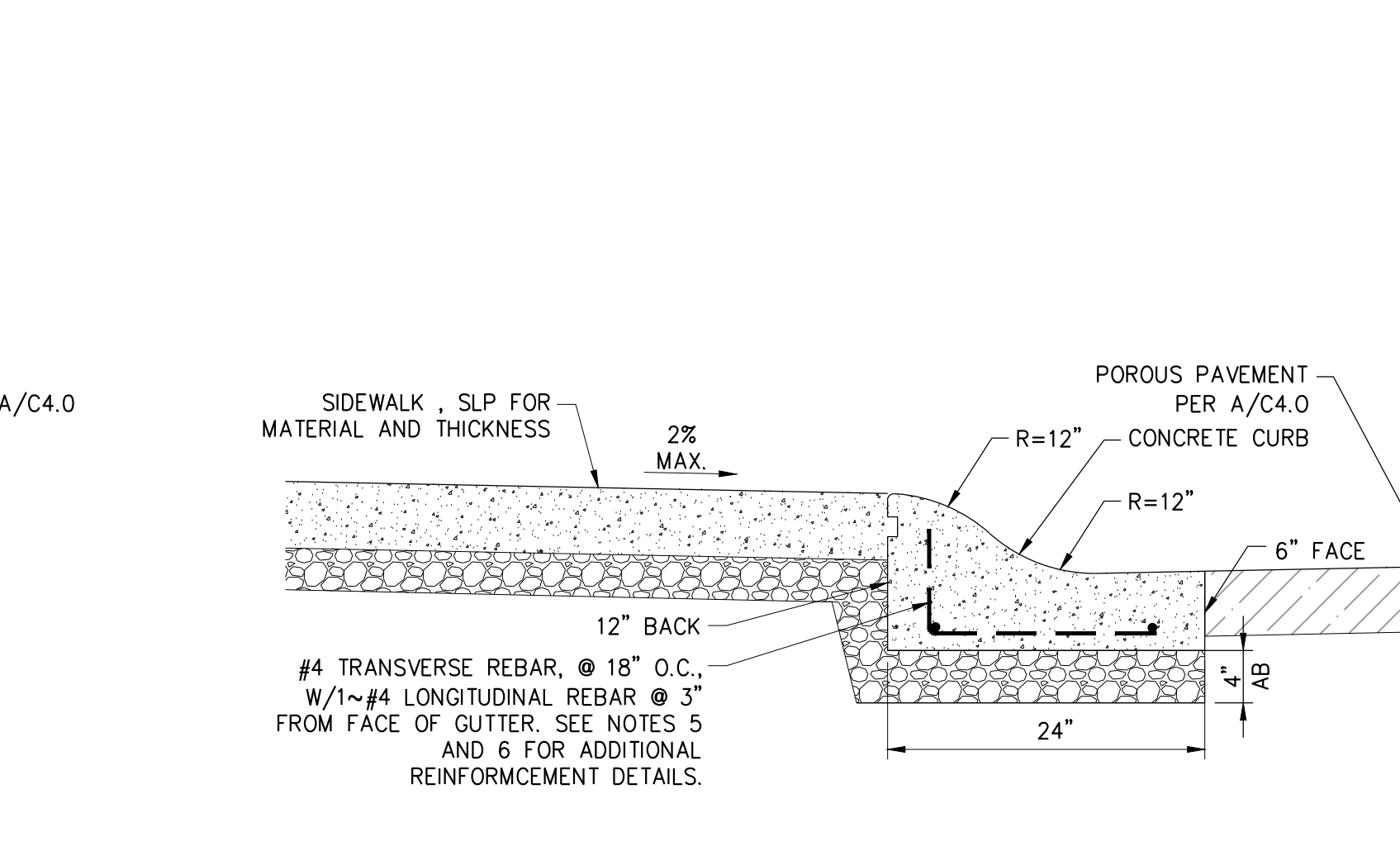
**I** THRUST BLOCK  
SCALE: NTS



**J** RIP RAP SD OUTFALL  
SCALE: NTS



**K** FLUSH CURB  
SCALE: NTS



**L** ROLLED CURB & GUTTER  
SCALE: NTS

NOT FOR CONSTRUCTION

PROJECT/CLIENT NAME

## Dunphy Park

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Sausalito, CA 94965

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City of Sausalito  
420 Litho St.  
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RHAA PROJECT NUMBER

16042A

CONSULTANT

**SHERWOOD**  
DESIGN ENGINEERS  
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San Francisco, CA  
94102@sherwoodengineers.com

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SUBMITTAL

## Permit Submittal

DATE

21 August 2017

REVISIONS

No.	Date	Description

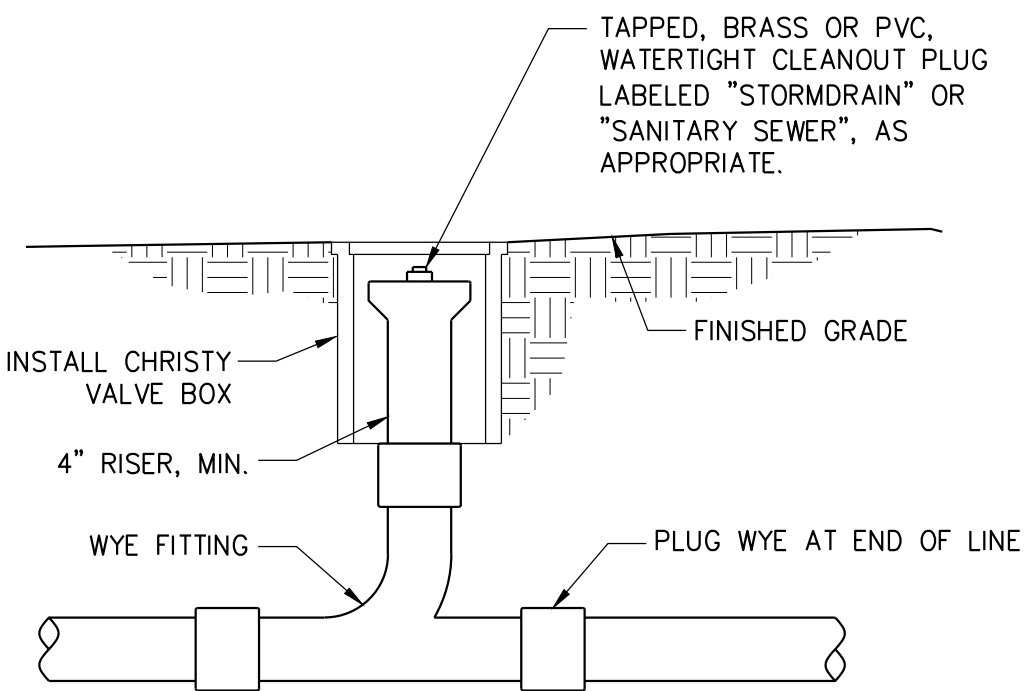
REGISTRATION AND SIGNATURE



SHEET TITLE  
DETAILS

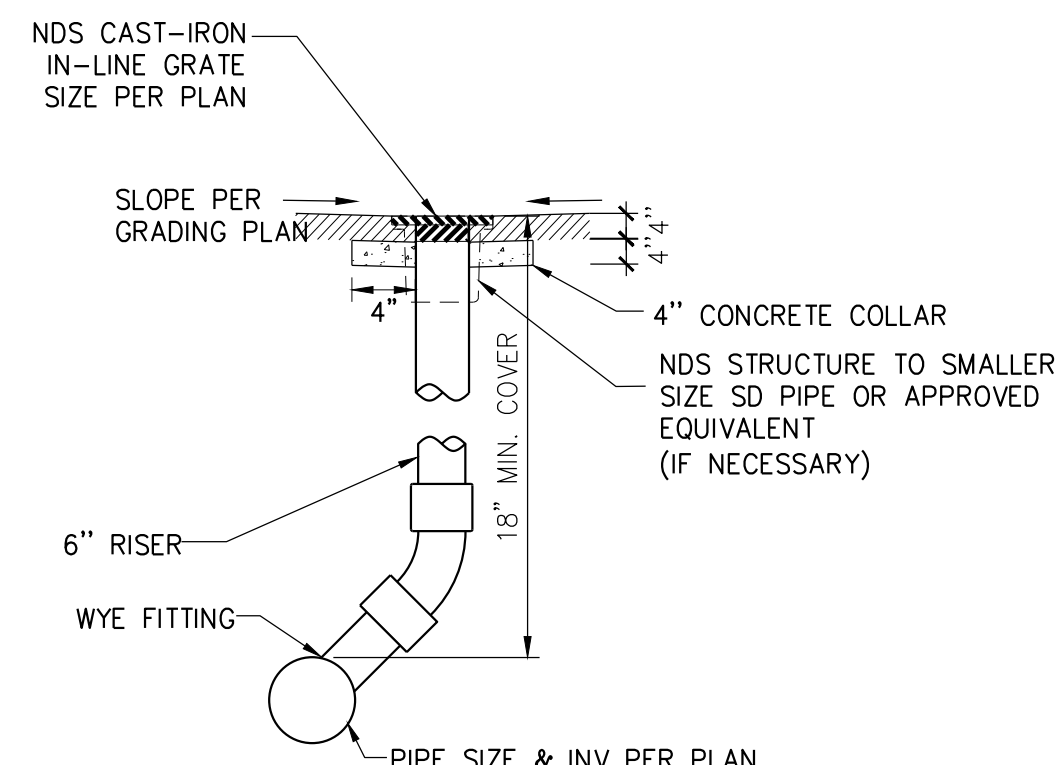
DRAWN BY: CHECKED BY:

# C4.1



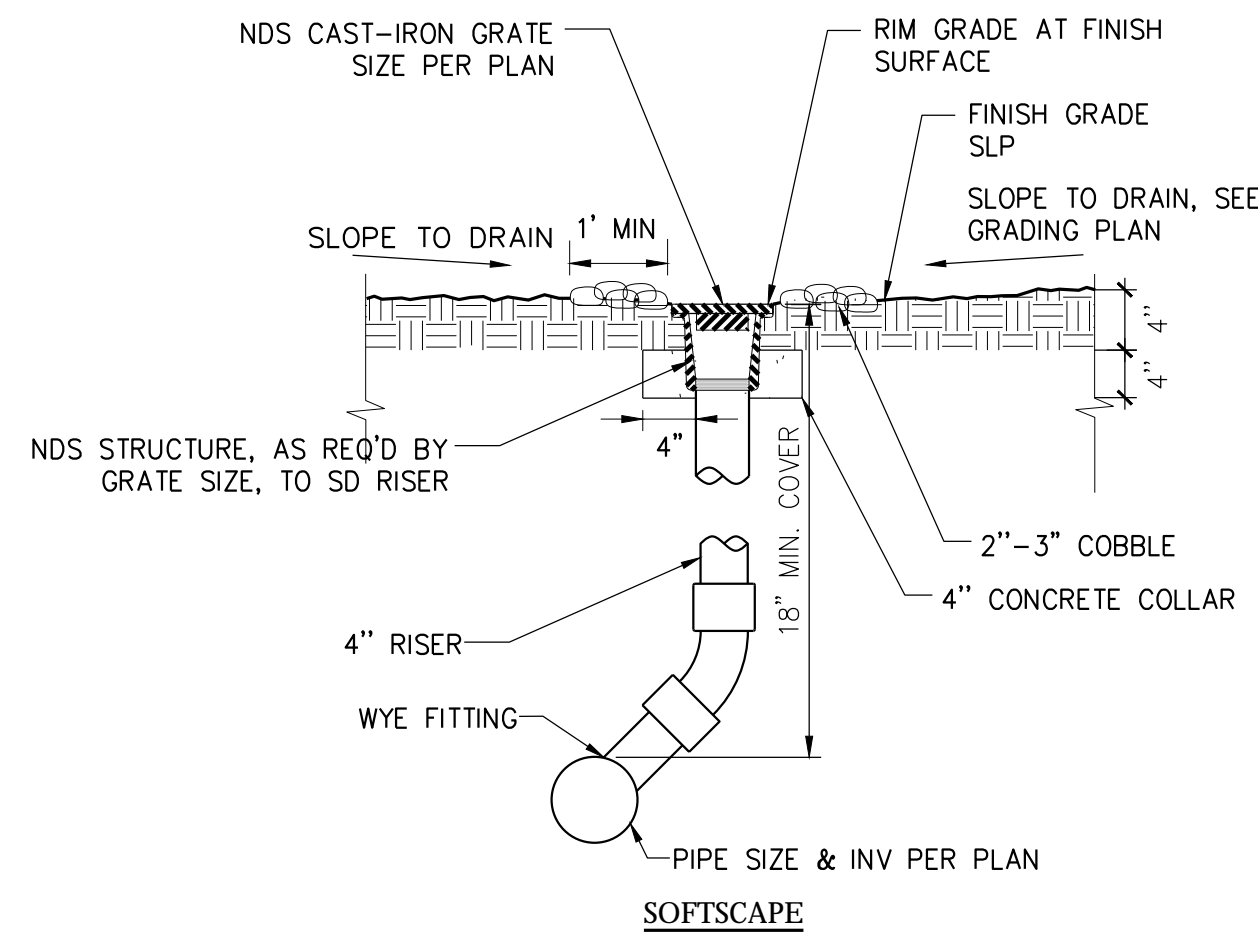
**A** STORM DRAIN CLEANOUT

SCALE: NTS



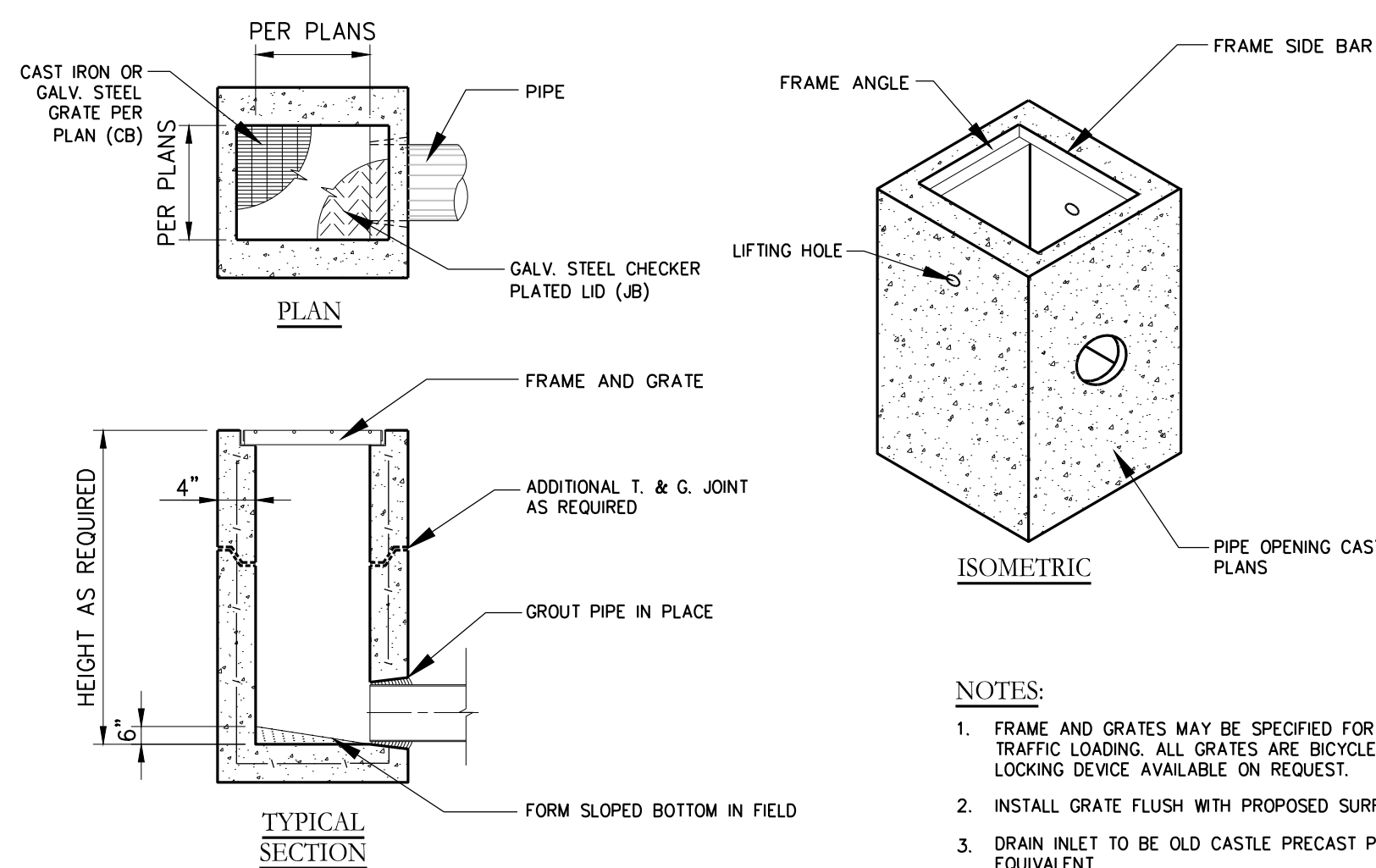
**B** HARDSCAPE AND SOFTSCAPE AREA DRAIN

SCALE: NTS



**C** STORM DRAIN MANHOLE TYPE B

SCALE: NTS

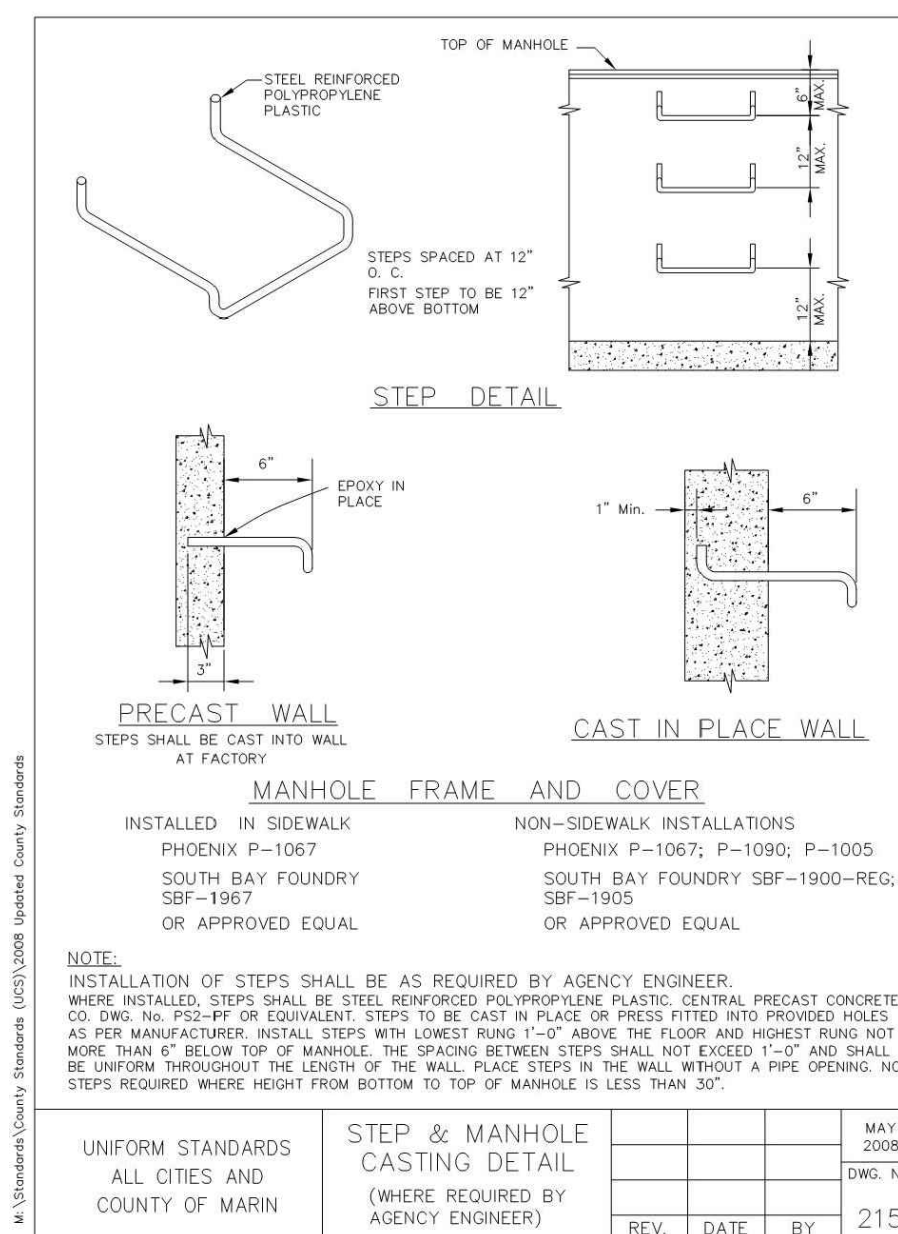


DROP INLET TABLE

MODEL No.	DROP MODEL NAME	A	B	C
CB1212	EK	12 300	12 300	4 100
CB1818	CK	18 450	18 450	5 125
CB1824	1K*	18 450	24 600	5 125
CB2424	2K	24 600	24 600	5 125
CB2430	3K	24 600	30 750	5 125
CB3030	5K	30 750	30 750	6 150
CB2436	1L	24 600	36 900	6 150
CB3636	1M	36 900	36 900	6 150
CB2448	3L	24 600	48 1200	6 150
CB3648	3M	36 900	48 1200	6 150
CB4848	1R	48 1200	48 1200	6 150

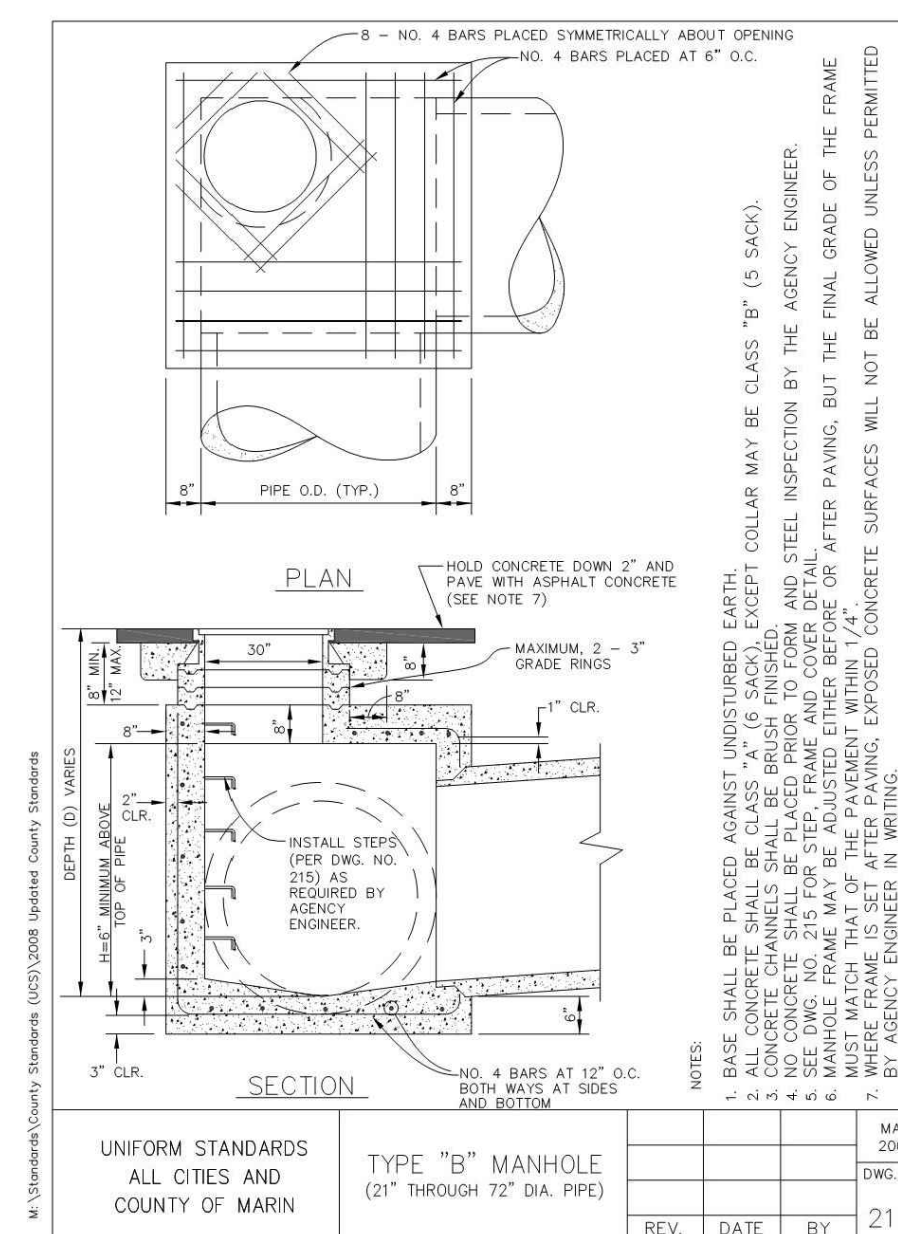
NOTES:

- FRAME AND GRATES MAY BE SPECIFIED FOR PEDESTRIAN OR H2O TRAFFIC LOADING. ALL GRATES ARE BICYCLE PROOF. OPTION GRATE LOCKING DEVICE AVAILABLE ON REQUEST.
- INSTALL GRATE FLUSH WITH PROPOSED SURFACE PER DETAILS.
- DRAIN INLET TO BE OLD CASTLE PRECAST PRODUCTS, OR APPROVED EQUIVALENT.



**E** STORM DRAIN STEP & MANHOLE CASTING DETAIL

SCALE: NTS

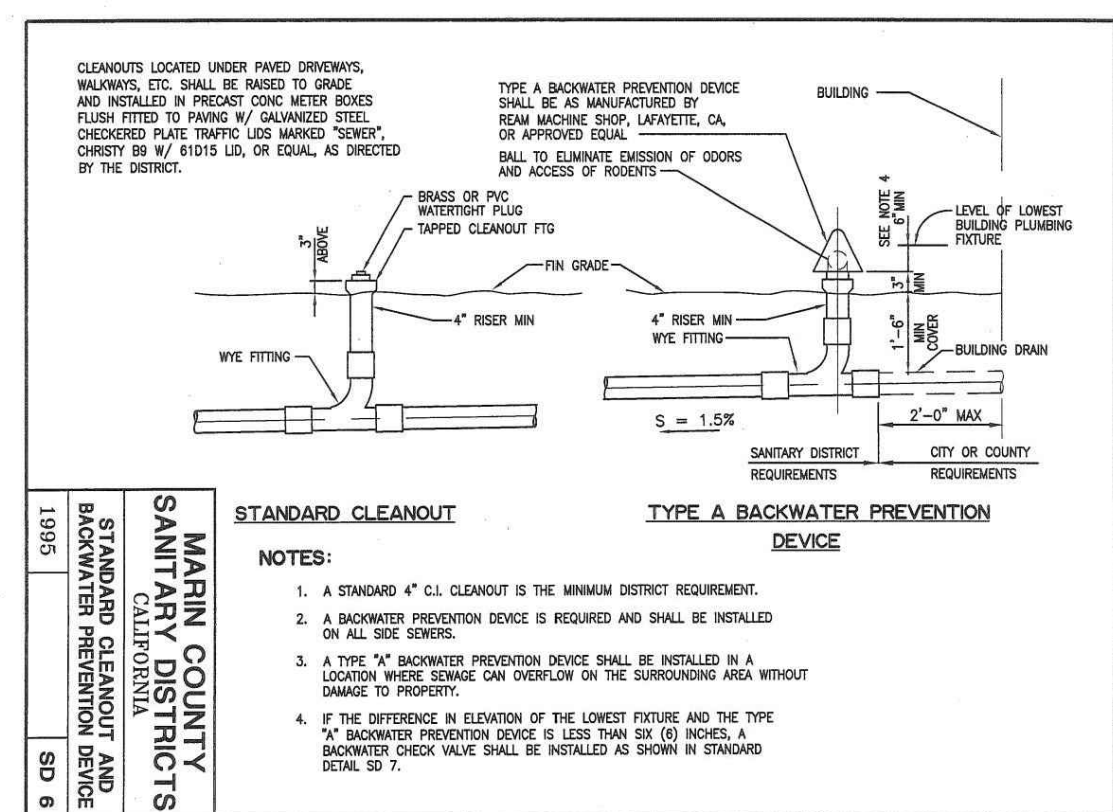


**F** STORM DRAIN MANHOLE TYPE B

SCALE: NTS

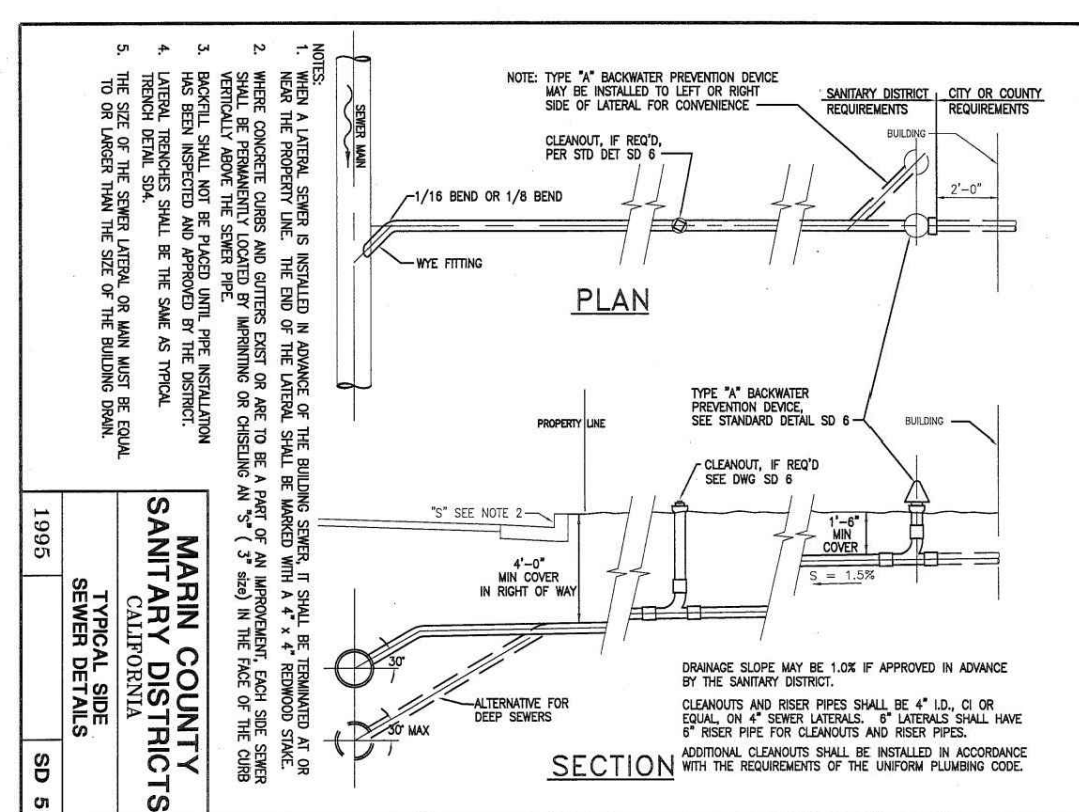
**G** CATCH BASIN

SCALE: NTS



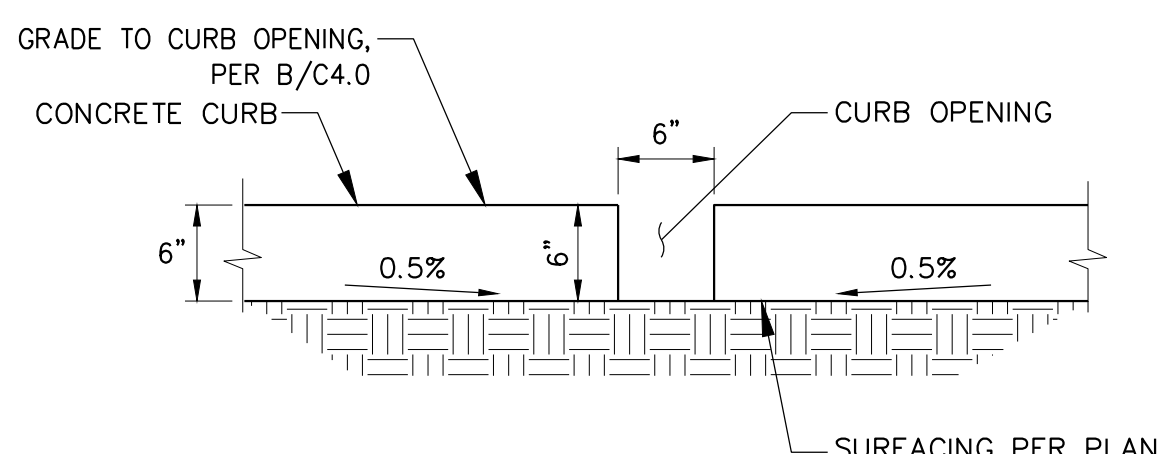
**G** TYPICAL SANITARY SEWER TRENCH SECTION

SCALE: NTS



**H** TYPICAL SIDE SEWER DETAIL

SCALE: NTS



**I** CURB OPENING

SCALE: NTS

NOT FOR CONSTRUCTION

PROJECT/CLIENT NAME

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REGISTRATION AND SIGNATURE

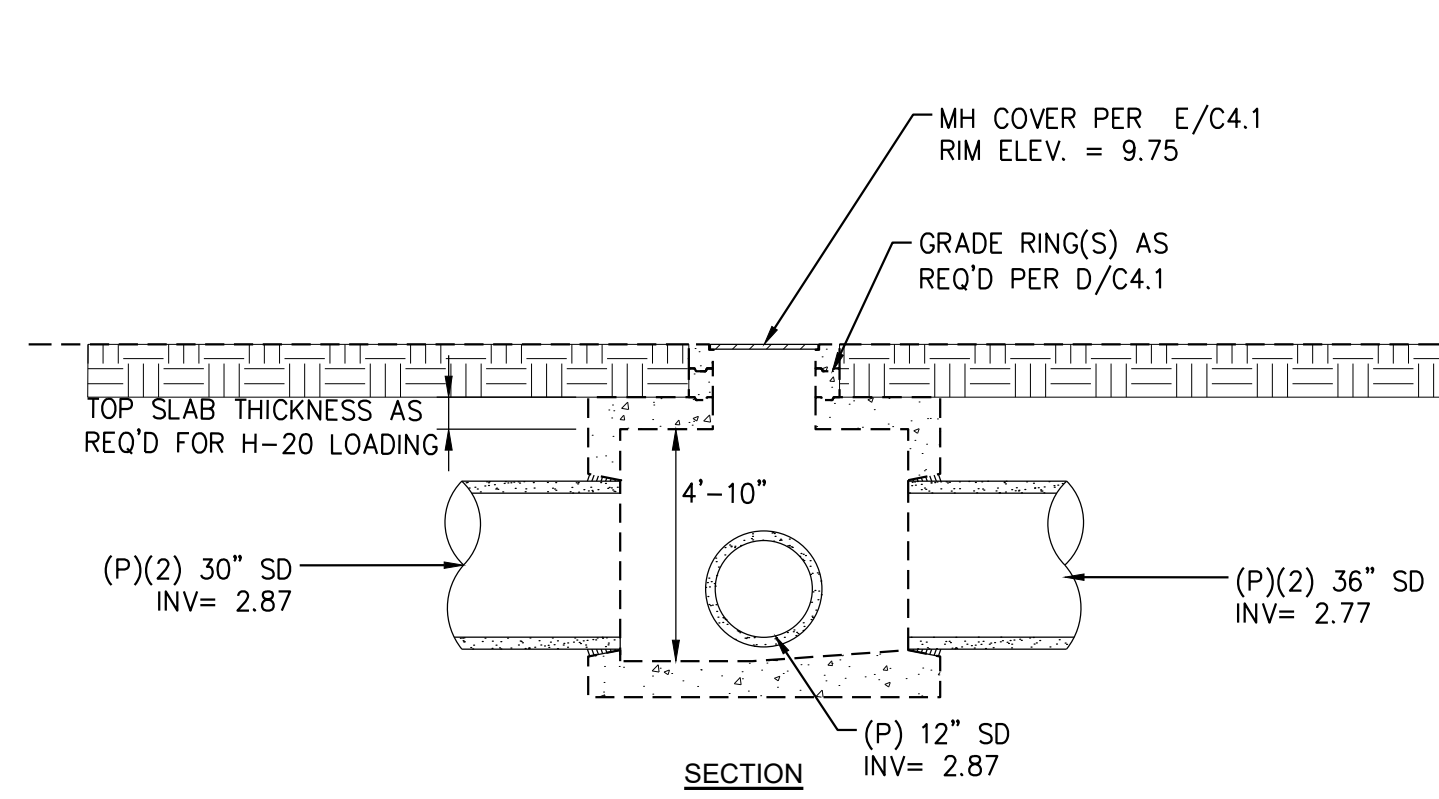


SHEET TITLE  
DETAILS

DRAWN BY: CHECKED BY:

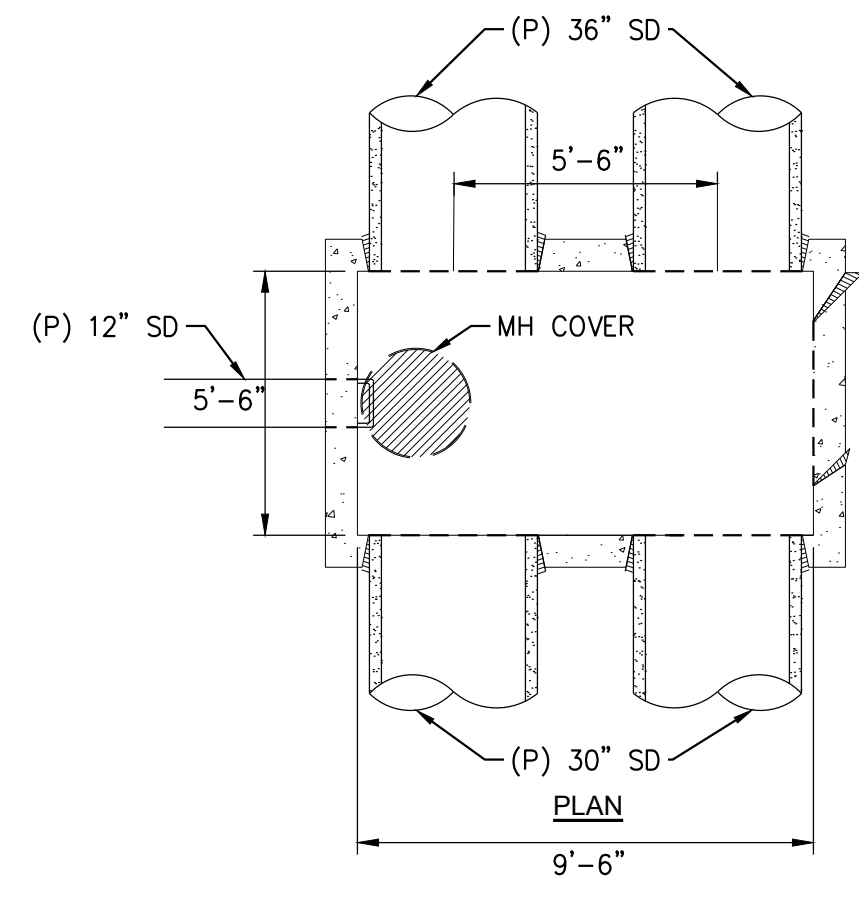
# C4.2

NOT FOR CONSTRUCTION



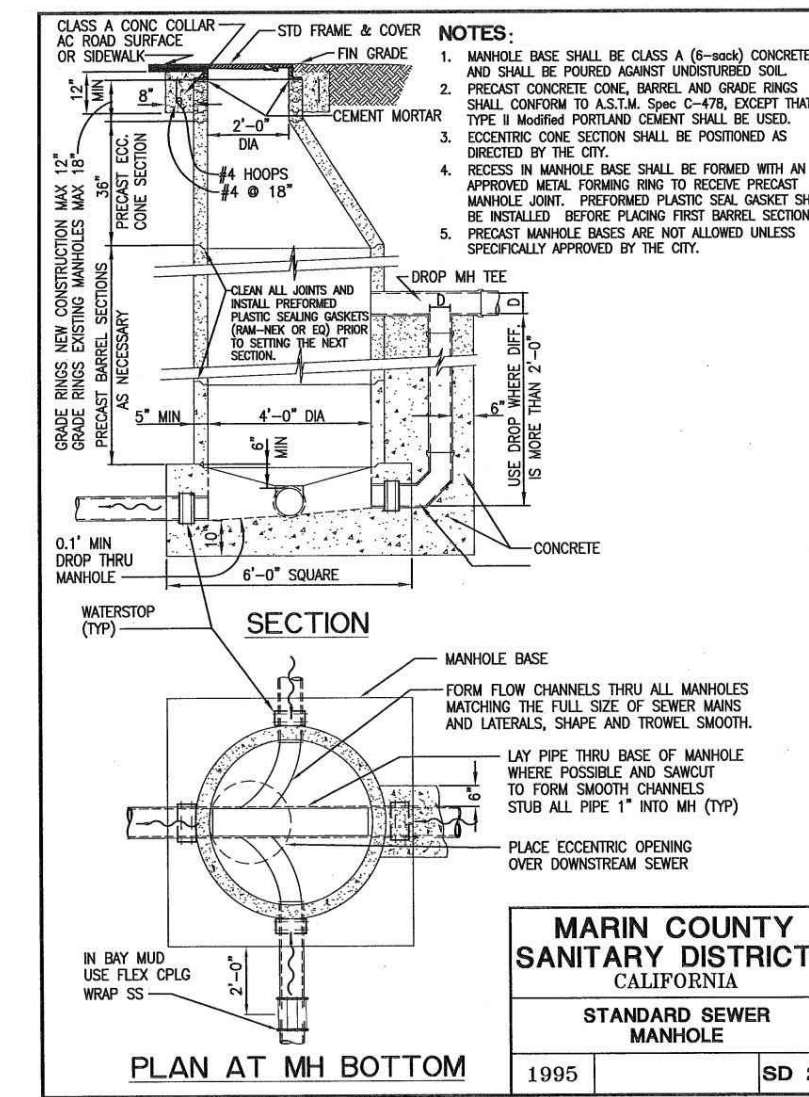
A JUNCTION BOX

SCALE: NTS



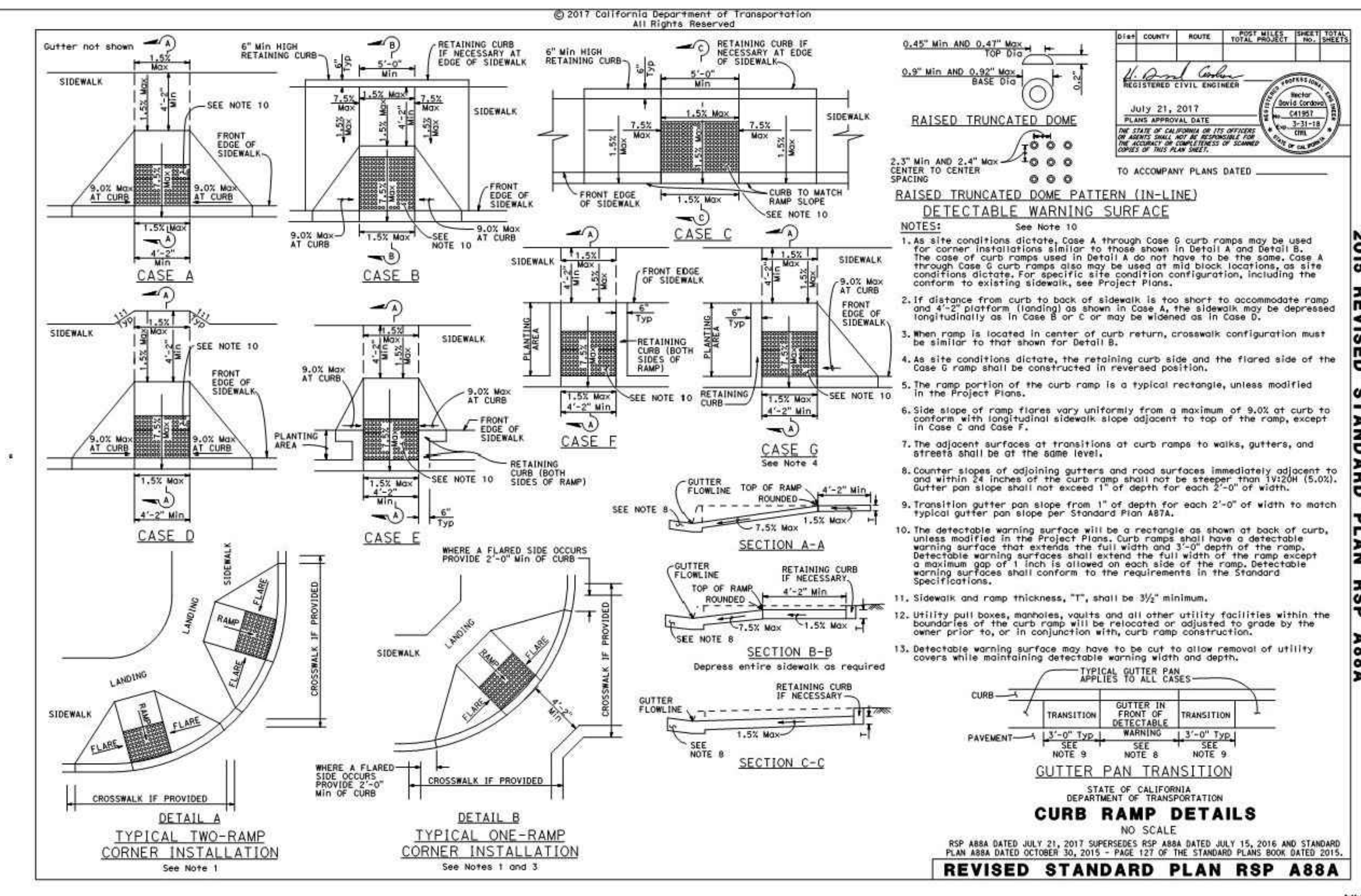
B SEWER MANHOLE

SCALE: NTS



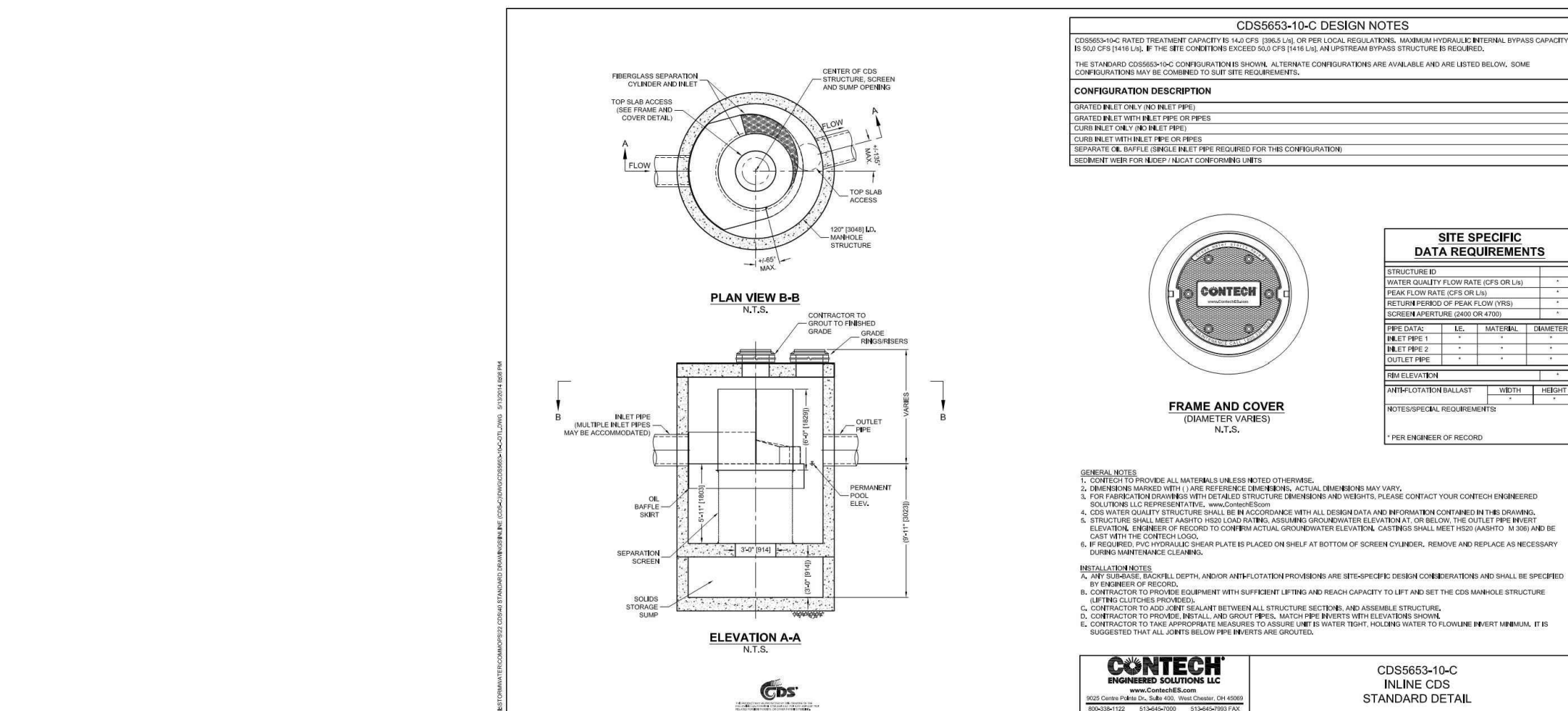
C SEWER MANHOLE FRAME AND COVER

SCALE: NTS



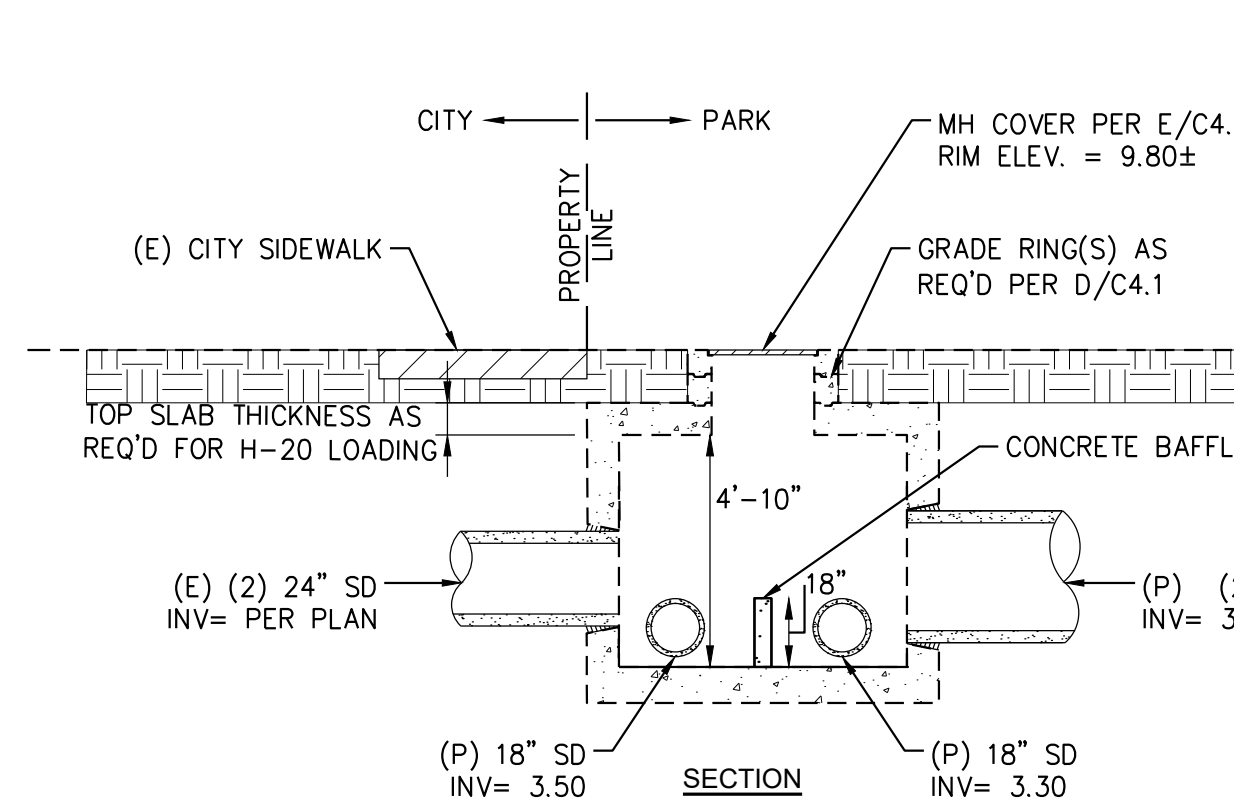
D ADA CURB RAMP

SCALE: NTS



E SEDIMENT TRAP

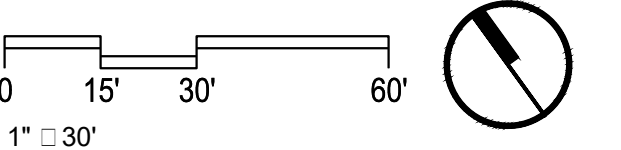
SCALE: NTS



F INTERCEPT VAULT

SCALE: NTS

No.	Date	Description

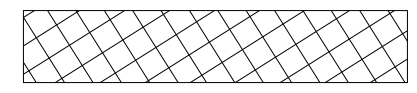


LEGEND

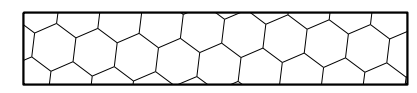
GRAVEL BAGS



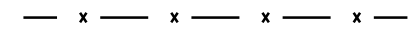
STOCKPILE



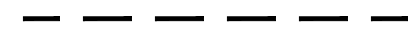
CONCRETE WASHOUT



SILT FENCE

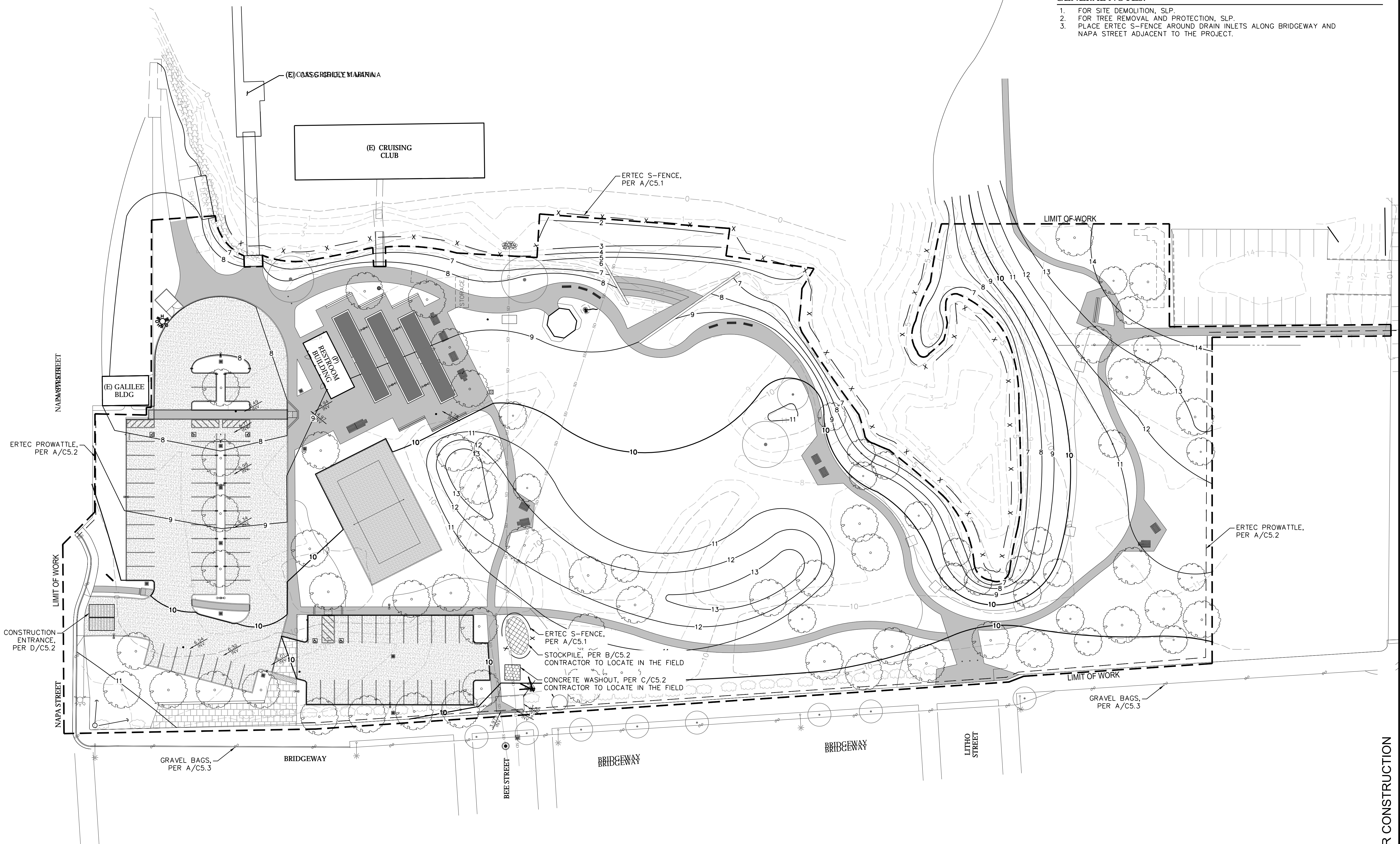


ERTEC PROWATTLE



GENERAL NOTES:

1. FOR SITE DEMOLITION, SLP.
2. FOR TREE REMOVAL AND PROTECTION, SLP.
3. PLACE ERTEC S-FENCE AROUND DRAIN INLETS ALONG BRIDGEWAY AND NAPA STREET ADJACENT TO THE PROJECT.



NOT FOR CONSTRUCTION

P:\2017\17-029\_Dunphy\04\_Design\01\_CD\C5.0 - EROSION CONTROL PLAN.dwg, C5.0 Urban Tables\8/17/2017 5:24:55 PM\ARCHT expanded D (8/10) - 21.00 Inches, L1  
Date Plotted: 8/17/2017 5:24 PM

ERTEC® S-FENCE™  
DETAILS

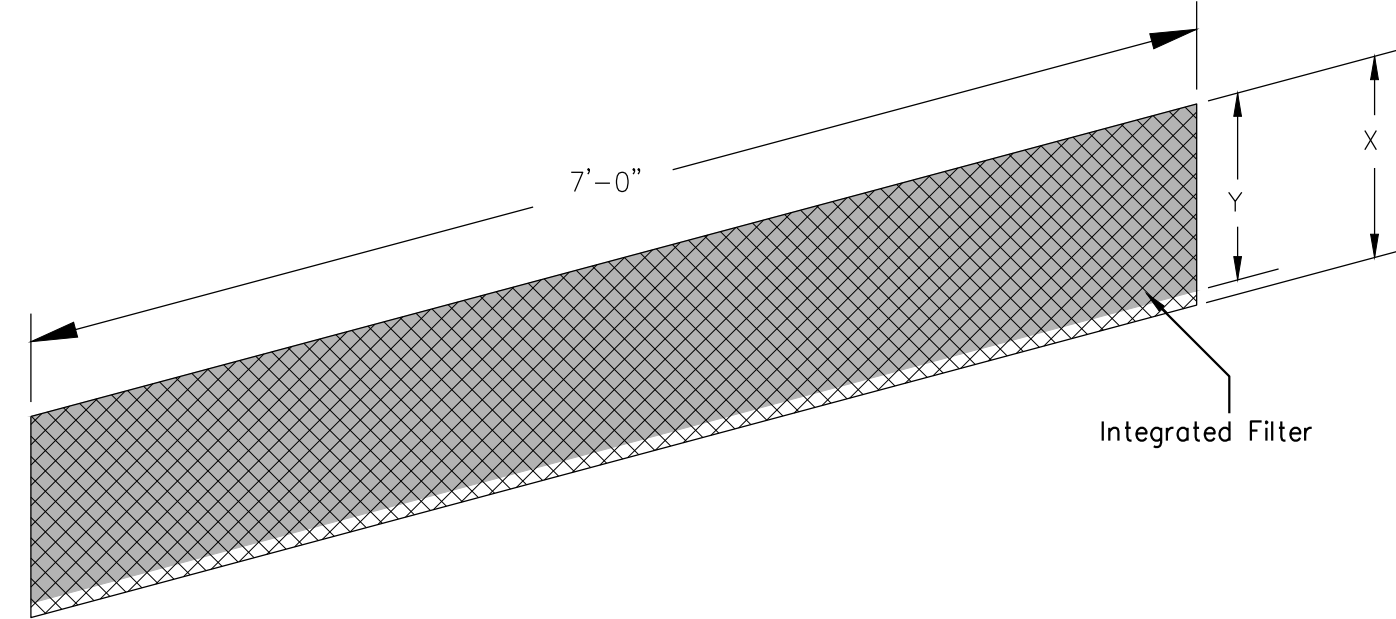
KEY BENEFITS:

- WILL NOT DETERIORATE OR BLOW DOWN
- REMOVE WITH MINIMAL DISTURBANCE TO LANDSCAPING
- COMPACT STORAGE AND TRANSPORTATION
- LONG LASTING (4+ YEARS)
- HIGH REUSABILITY
- LETS WATER FLOW OFF-SITE
- HIGH SEDIMENT RETENTION

APPROPRIATE APPLICATIONS:

- BASE OF STABILIZED SLOPES
- JOB PERIMETERS
- ALTERNATIVE TO SILT FENCE

FENCE HEIGHT "X"	FILTER WIDTH "Y"
10"	9"
14"	12"
20"	18"



**PURPOSE:** S-FENCE™ IS USED TO FILTER SEDIMENT LADEN WATER AND DETAIN A HIGH PERCENTAGE OF SEDIMENT AND ASSOCIATED POLLUTANTS. THE SYSTEM REDUCES THE VELOCITY OF WATER AND ALLOWS IT TO SPREAD AND FLOW-THROUGH AS LOWER VELOCITY SHEET FLOW. FLOW-THROUGH DISCOURAGES END-AROUND FLOWS UNDER AND OVERFLOW. THE SYSTEM FILTERS CERTAIN SIZED SMALLER PARTICLES. THE FILTER DEVELOPS A FILTER CAKE, WHICH IN TURN FILTERS SMALLER AND SMALLER PARTICLES OVER TIME.

**DESIGN LIMITS:** FOR DETAILED PRODUCT CHARACTERISTICS CONTACT ERTEC ENVIRONMENTAL SYSTEMS @ (866) 521-0724 OR WWW.ERTECENVIRONMENTAL.COM. THE UNIT WEIGHT OF THE SYSTEM IS 0.30 LBS/FT<sup>2</sup> (107), 0.40 LBS/FT<sup>2</sup> (14") AND 0.62 LBS/FT<sup>2</sup> (20"). FOR INSTALLATION PROCEDURES, FOLLOW THE INSTRUCTIONS ON THE ATTACHED DRAWINGS. THE LAST IN-LINE S-FENCE™ SHOULD BE BENT AND DOG-LEGGED UPLOPE TO ENSURE SEDIMENT CONTAINMENT.

**MAINTENANCE:** INSPECT S-FENCE™ WHEN RAIN IS FORECAST. PERFORM MAINTENANCE AS NEEDED OR AS REQUIRED. INSPECT S-FENCE™ FOLLOWING RAINFALL EVENTS AND AT LEAST DAILY DURING PROLONGED RAINFALL. MAINTAIN S-FENCE™ TO PROVIDE AN ADEQUATE SEDIMENT HOLDING CAPACITY. SEDIMENT SHALL BE REMOVED WHEN THE SEDIMENT ACCUMULATION REACHES 50% OF THE BARRIER HEIGHT. REMOVED SEDIMENT SHOULD BE INCORPORATED IN THE PROJECT OUTSIDE OF CONCENTRATED FLOW PATHS. REMOVE S-FENCE™ AFTER THE SITE HAS BEEN STABILIZED.

**NOT TO SCALE**

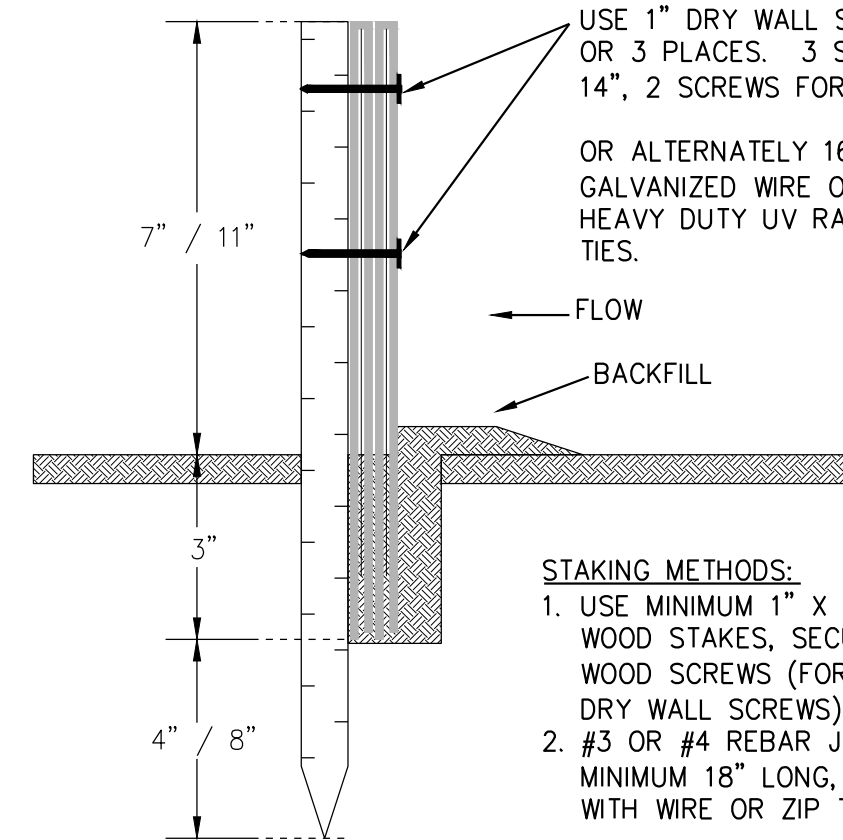
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1150 Balboa Blvd., Suite 250, Alameda, CA 94501  
P: 866-521-0724 F: 910-521-3992

ERTEC Installation Details\_S-Fence.dwg  
P1 Details  
8.5" x 11" 1 of 4

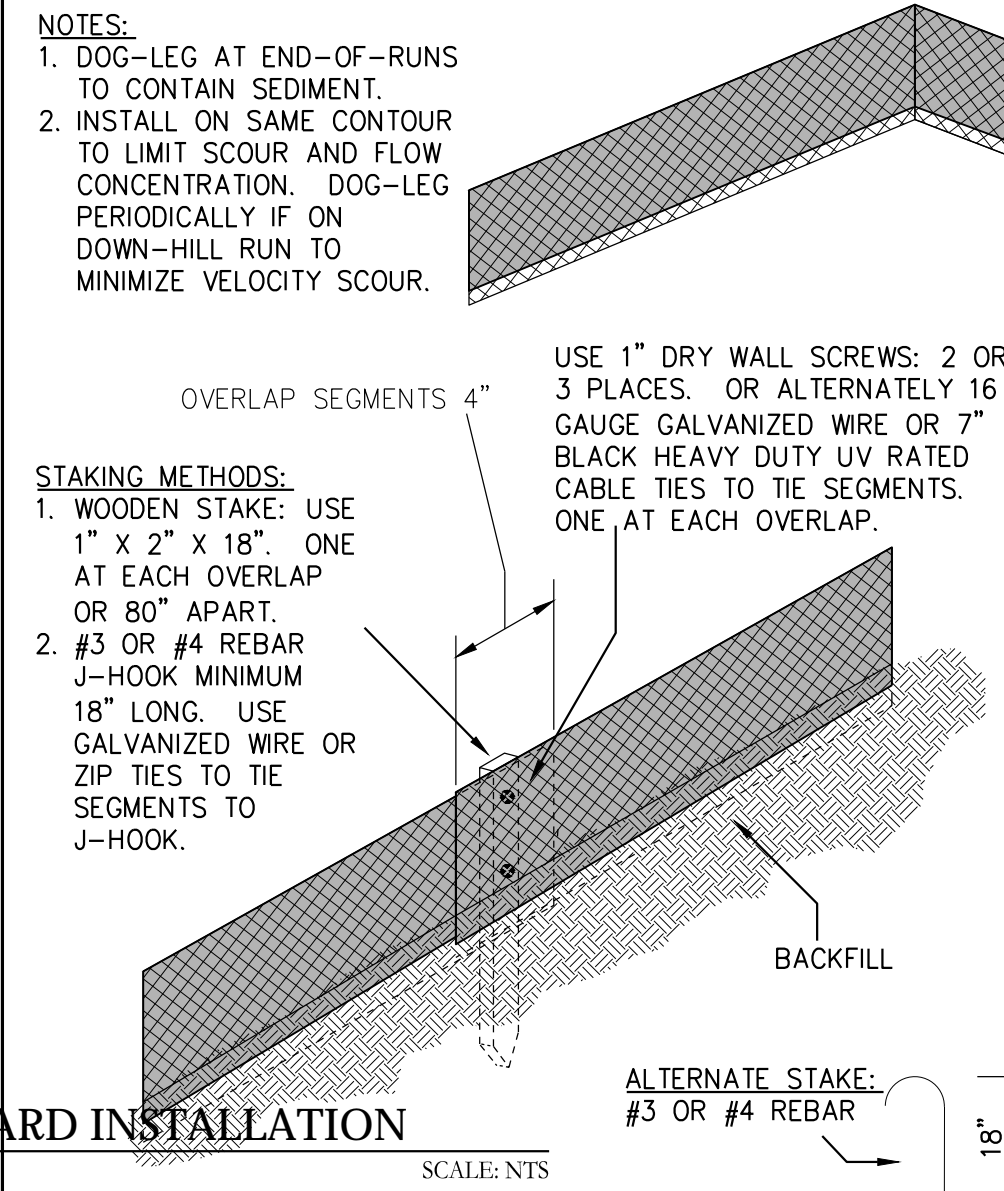
ERTEC® S-FENCE™  
INSTALLATION DETAILS

10" OR 14", SF10 OR SF14



- STAKING METHODS:**
1. USE MINIMUM 1" X 2" X 18" WOOD STAKES, SECURE WITH WOOD SCREWS (FOR EXAMPLE DRY WALL SCREWS).
  2. #3 OR #4 REBAR J-HOOK MINIMUM 18" LONG, SECURE WITH WIRE OR ZIP TIES.

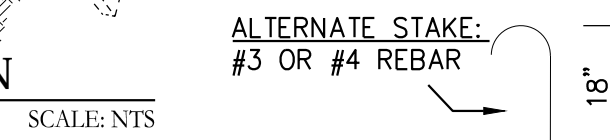
- NOTES:**
1. CUT TRENCH 1½" TO 2" WIDE, 3" TO 4" DEEP.
  2. INSTALL IN SLOT AGAINST DOWNSTREAM SIDE OF TRENCH WALL, BACKFILL THE TRENCH TO GRADE LEVEL.
  3. OVERLAP SEGMENTS BY AT LEAST 4". INSTALL STAKES ON DOWNSTREAM SIDE OF SEGMENT OVERLAPS.
  4. USE 1" DRY WALL SCREWS: 2 OR 3 PLACES. OR ALTERNATELY 16 GAUGE GALVANIZED WIRE OR 7" BLACK HEAVY DUTY UV RATED CABLE TIES (ZIP TIES) TO THE SEGMENTS TOGETHER.



- NOTES:**
1. DOG-LEG AT END-OF-RUNS TO CONTAIN SEDIMENT.
  2. INSTALL ON SAME CONTOUR TO LIMIT SCOUR AND FLOW CONCENTRATION. DOG-LEG PERIODICALLY IF ON DOWN-HILL RUN TO MINIMIZE VELOCITY SCOUR.

- STAKING METHODS:**
1. WOODEN STAKE: USE 1" X 2" X 18" ONE AT EACH OVERLAP OR 80" APART.
  2. #3 OR #4 REBAR J-HOOK MINIMUM 18" LONG. USE GALVANIZED WIRE OR ZIP TIES TO THE SEGMENTS TO J-HOOK.

- USE 1" DRY WALL SCREWS: 2 OR 3 PLACES. OR ALTERNATELY 16 GAUGE GALVANIZED WIRE OR 7" BLACK HEAVY DUTY UV RATED CABLE TIES TO THE SEGMENTS. ONE AT EACH OVERLAP.



**NOT TO SCALE**

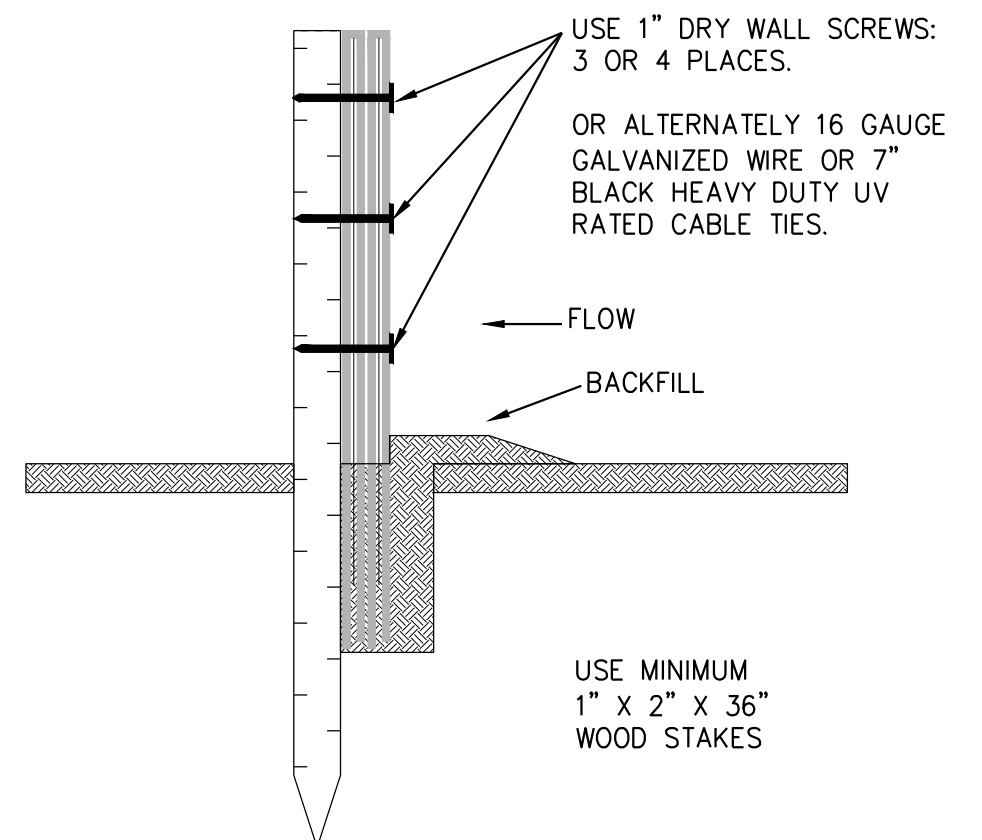
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P2 Installation Details  
8.5" x 11" 2 of 4

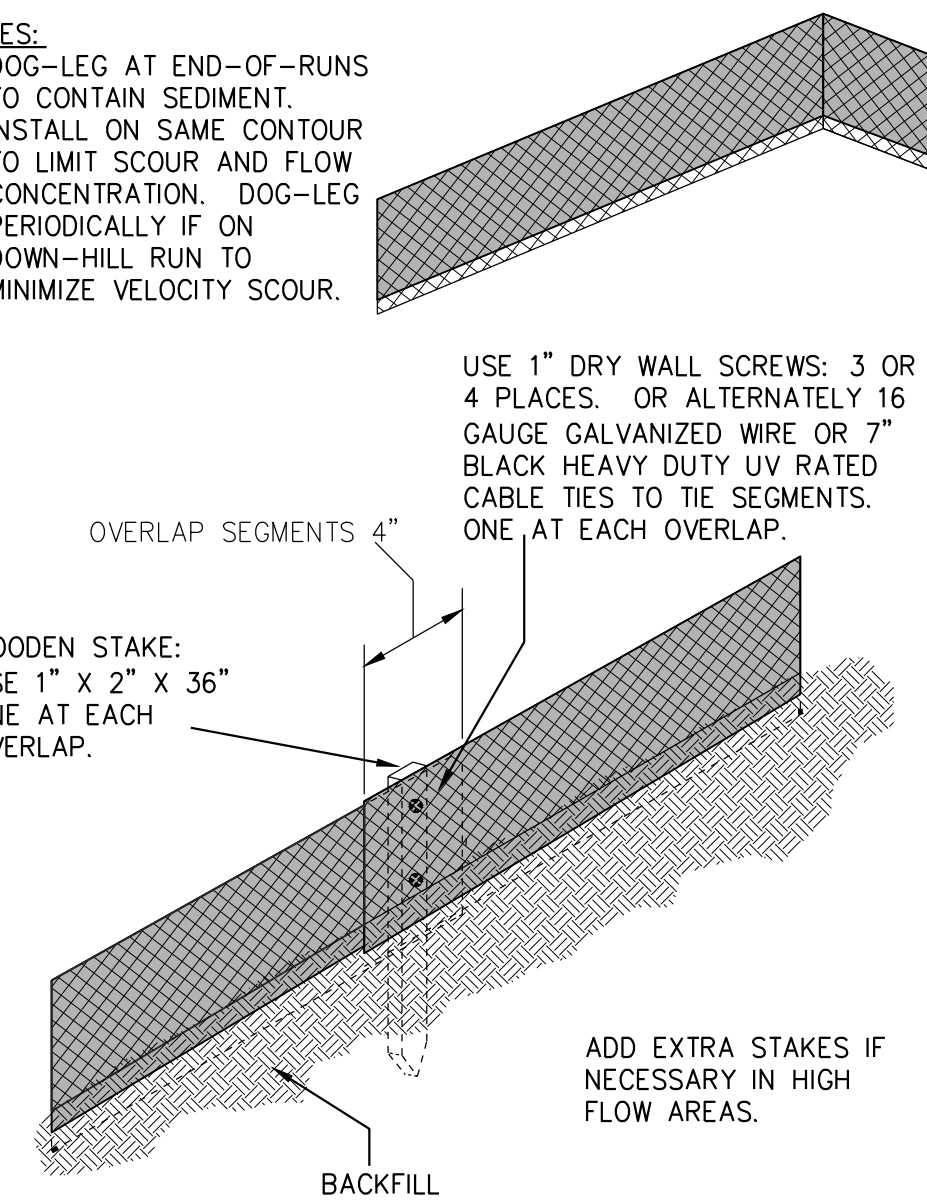
ERTEC® S-FENCE™  
INSTALLATION DETAILS

20", SF20



- NOTES:**
1. DOG-LEG AT END-OF-RUNS TO CONTAIN SEDIMENT.
  2. INSTALL ON SAME CONTOUR TO LIMIT SCOUR AND FLOW CONCENTRATION. DOG-LEG PERIODICALLY IF ON DOWN-HILL RUN TO MINIMIZE VELOCITY SCOUR.

- WOODEN STAKE:** USE 1" X 2" X 36" ONE AT EACH OVERLAP.



ADD EXTRA STAKES IF NECESSARY IN HIGH FLOW AREAS.

- NOTES:**
1. CUT TRENCH 1½" TO 2" WIDE, 4" DEEP.
  2. INSTALL IN SLOT AGAINST DOWNSTREAM SIDE OF TRENCH WALL, BACKFILL THE TRENCH TO GRADE LEVEL.
  3. OVERLAP SEGMENTS BY AT LEAST 4". INSTALL STAKES AT DOWNSTREAM SIDE OF SEGMENT OVERLAPS AND ALSO ONE STAKE IN BETWEEN SEGMENTS.
  4. USE 1" DRY WALL SCREWS: 3 OR 4 PLACES. OR ALTERNATELY 16 GAUGE GALVANIZED WIRE OR 7" BLACK HEAVY DUTY UV STAPLE CABLE TIES (ZIP TIES) TO THE SEGMENTS TOGETHER.

**IMPORTANT:** ALL INFORMATION, INCLUDING ILLUSTRATIONS, IS BELIEVED TO BE RELIABLE. USERS, HOWEVER, SHOULD INDEPENDENTLY EVALUATE THE SUITABILITY OF EACH PROJECT FOR THEIR APPLICATION. ERTEC ENVIRONMENTAL SYSTEMS MAKES NO WARRANTIES AS TO THE ACCURACY OF COMPLETENESS OF THE INFORMATION, AND DISCLAIMS ANY LIABILITY REGARDING IS USE. ERTEC ENVIRONMENTAL SYSTEMS'S ONLY OBLIGATIONS ARE THOSE IN THE ERTEC ENVIRONMENTAL SYSTEMS STANDARD TERMS AND CONDITIONS OF SALE FOR THIS PRODUCT, AND IN NO CASE WILL ERTEC ENVIRONMENTAL SYSTEMS OR ITS DISTRIBUTORS BE LIABLE FOR ANY INCIDENTAL INDIRECT OR CONSEQUENTIAL DAMAGES ARISING FROM THE SALE, RESALE, USE OR MISUSE OF THE PRODUCT. SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. IN ADDITION, ERTEC ENVIRONMENTAL SYSTEMS RESERVES THE RIGHT TO MAKE CHANGES, WITHOUT NOTIFICATION TO BUYER, TO PROCESSING OR MATERIALS THAT DO NOT AFFECT COMPLIANCE WITH ANY APPLICABLE SPECIFICATION.

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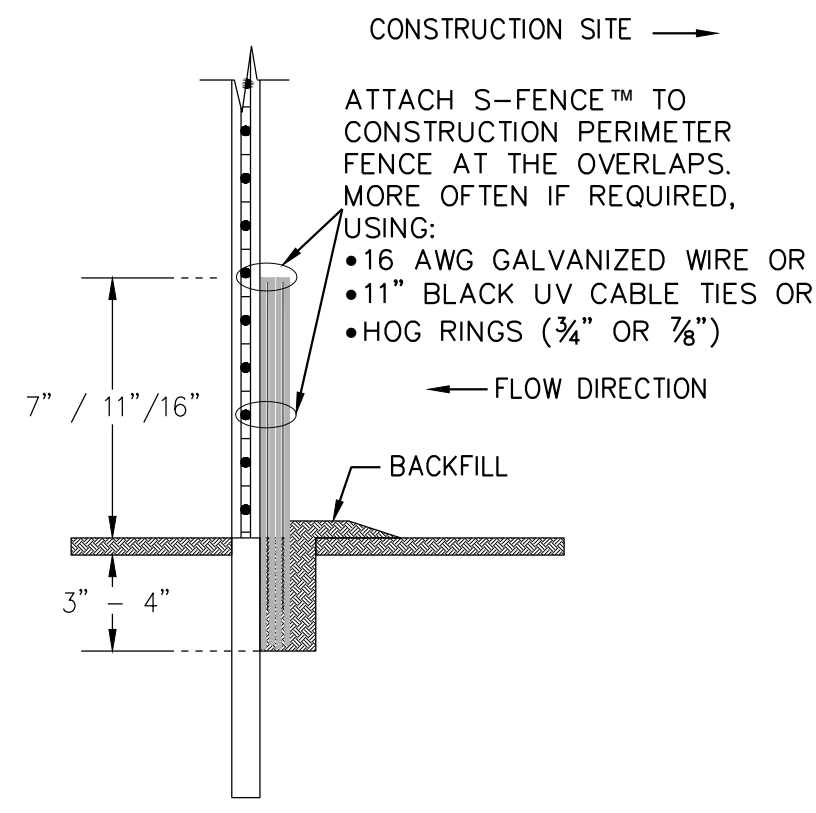
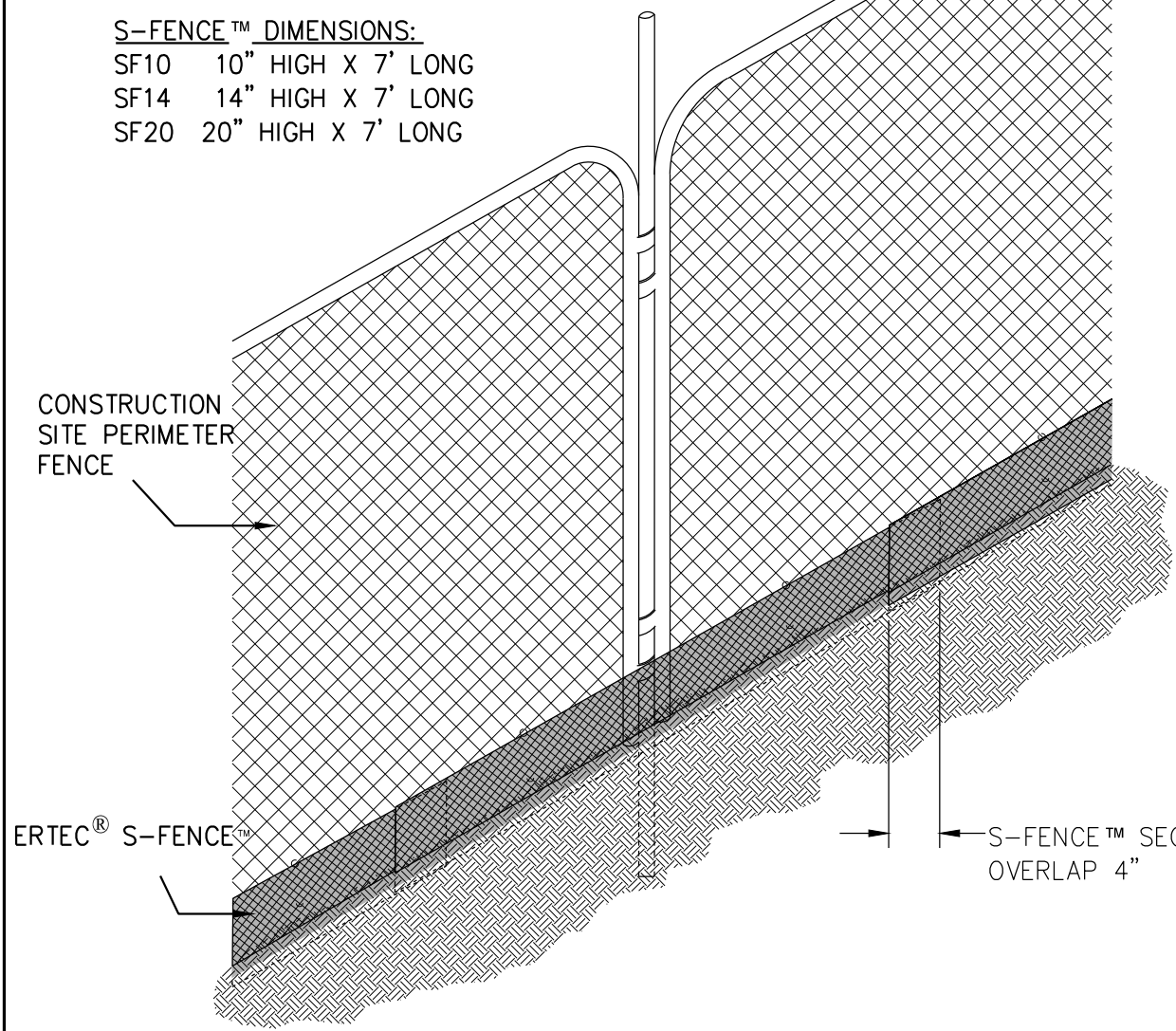
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P3 Installation Details  
8.5" x 11" 3 of 4

ERTEC® S-FENCE™  
APPLICATION DETAIL -  
INSTALLATION NEXT TO  
PERIMETER FENCE

- S-FENCE™ DIMENSIONS:**
- SF10 10" HIGH X 7' LONG
  - SF14 14" HIGH X 7' LONG
  - SF20 20" HIGH X 7' LONG



- NOTES:**
1. CABLE-TIES WILL REQUIRE A PILOT HOLE FOR INSERTION. USE A PUNCH OR SMALL NAIL.
  2. CUT TRENCH 1½" TO 2" WIDE, 3" TO 4" DEEP.
  3. INSTALL IN SLOT AGAINST DOWNSTREAM SIDE OF TRENCH WALL, BACKFILL THE TRENCH TO GRADE LEVEL.
  4. OVERLAP SEGMENTS BY AT LEAST 4".

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P4 Application Details  
8.5" x 11" 4 of 4

A S-FENCE INSTALLATION

SCALE: NTS

# rhaa

LANDSCAPE ARCHITECTURE + PLANNING  
225 Miller Avenue, Mill Valley, CA 94941  
T 415 383 7900 F 415 383 1433 www.rhaa.com

PROJECT/CLIENT NAME

## Dunphy Park

200 Napa Street  
Sausalito, CA 94965

Owner:

City of Sausalito  
420 Litho St.  
Sausalito, CA 94965

RHAA PROJECT NUMBER

16042A

CONSULTANT

**SHERWOOD**  
DESIGN ENGINEERS  
58 Maiden Lane, Third Floor  
San Francisco, CA  
94102@sherwoodengineers.com

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## Permit Submittal

DATE

21 August 2017

REVISIONS

No.	Date	Description

REGISTRATION AND SIGNATURE



SHEET TITLE

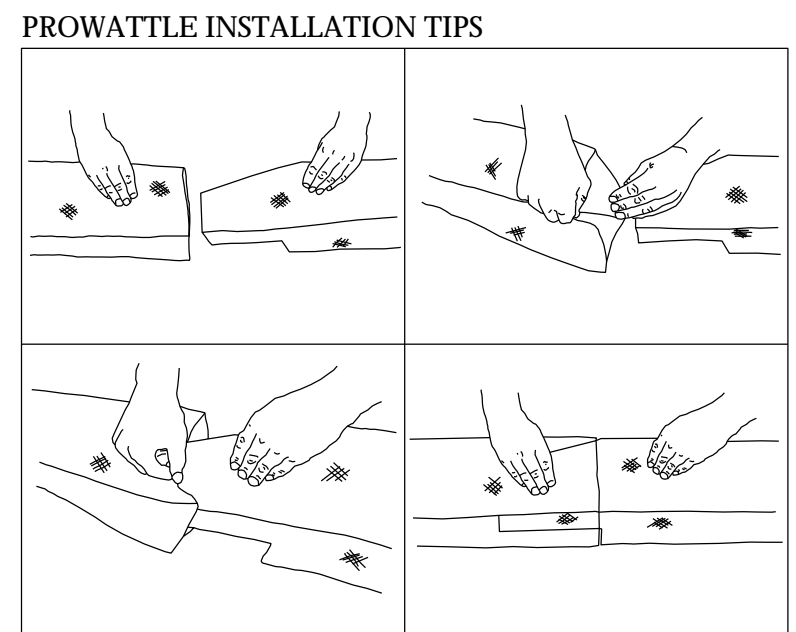
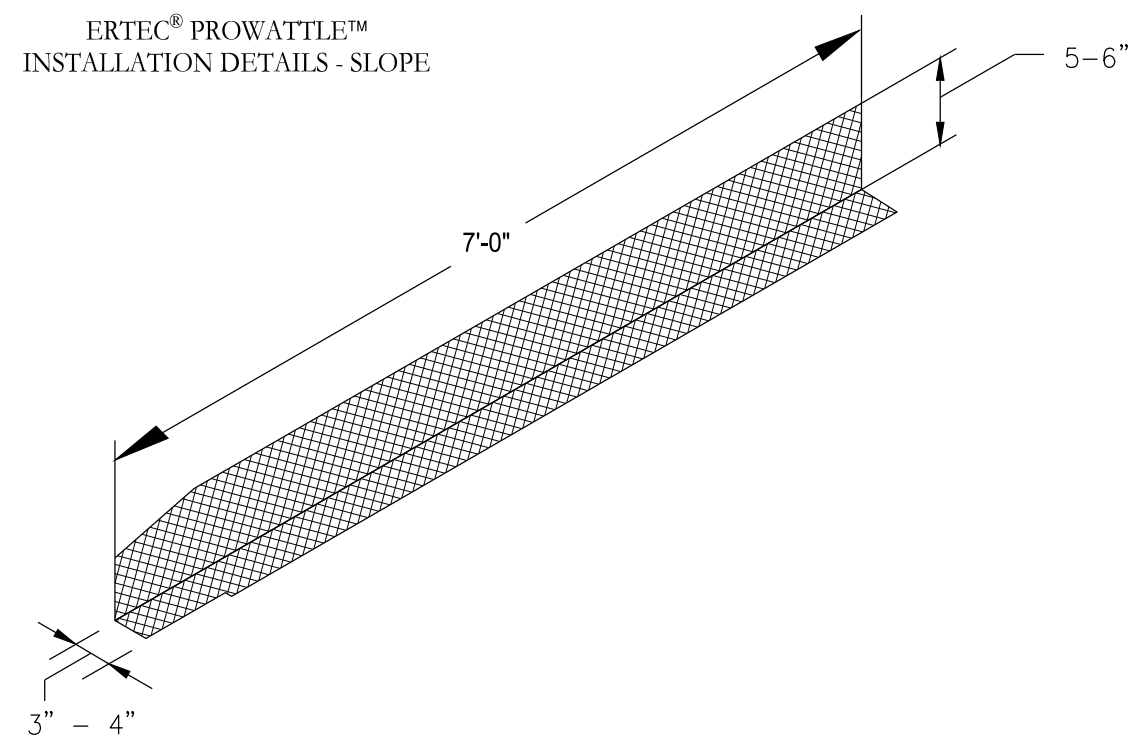
## EROSION CONTROL DETAILS

DRAWN BY: JG

CHECKED BY: MW

# C5.1

NOT FOR CONSTRUCTION



THE END OF ONE PW IS INSERTED INTO THE ADJOINING PW AND BUTTED UP AGAINST EACH OTHER. THEN BUTT THE TWO PW SEGMENTS TOGETHER FIRMLY.

FOR SLOPE INSTALLATION PROWATTLE SHALL BE INSTALLED AS FOLLOWS:  
 1. A SHELF-CUT SHALL BE CONSTRUCTED 4" HORIZONTALLY INTO THE SLOPE.  
 2. STAKES SHALL BE INSTALLED ON SLOPES. INSTALL STAKES 5 FEET APART. STAKES SHALL BE DRIVEN FLUSH WITH THE TOP OF THE PROWATTLE. WOOD STAKES SHALL BE AT MINIMUM: 1" X 1" X 12". REBAR J-HOOK STAKES (#3 OR #4) MUST BE A MINIMUM OF 18" LONG.  
 3. PROWATTLE SHALL BE PLACED AS FOLLOWS:

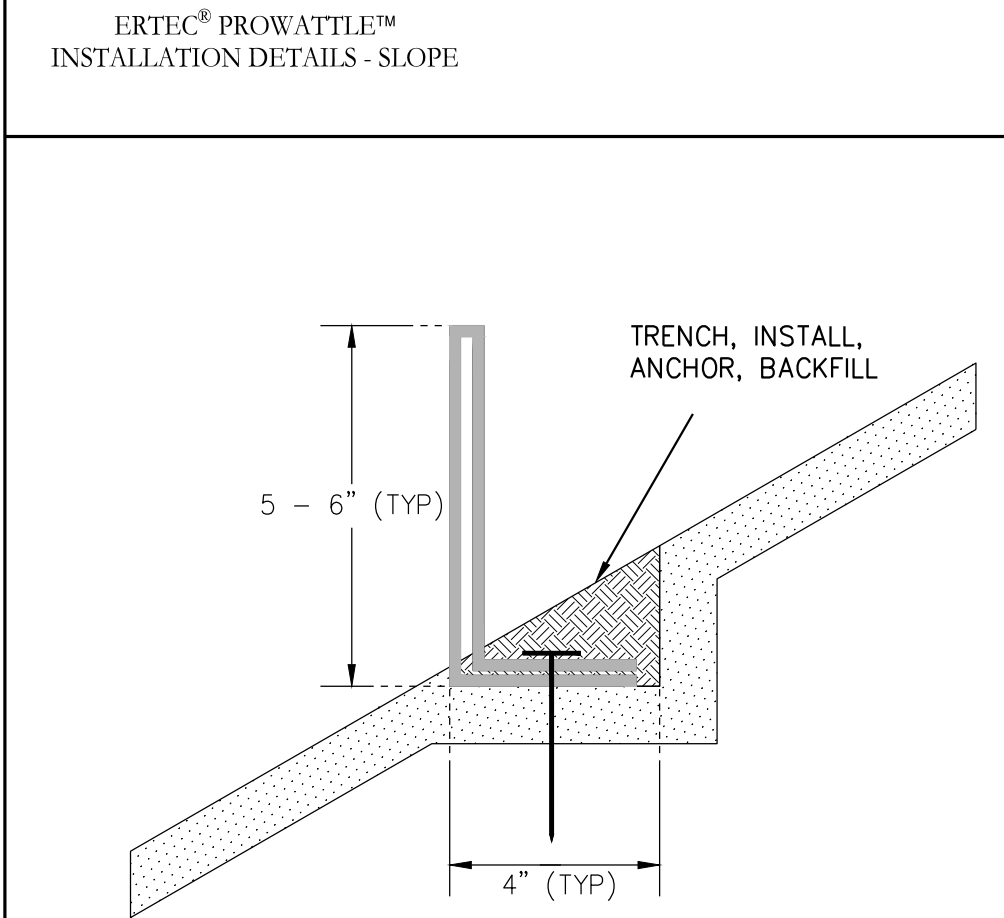
FEET APART ALONG THE SLOPE	SLOPE INCLINATION (VERTICAL:HORIZONTAL)
10 FEET	1:2 AND STEEPER
15 FEET	1:2 TO 1:4
20 FEET	1:4 AND 1:10
50 FEET	1:10 AND FLATTER

4. THE SHELF-CUT FOR PROWATTLE SHALL BE CLEARED OF OBSTRUCTIONS INCLUDING, BUT NOT LIMITED TO, ROCKS, CLODS, AND DEBRIS GREATER THAN 1" IN DIAMETER PRIOR TO INSTALLATION.  
 5. PROWATTLE SHALL BE INSTALLED PARALLEL TO THE SLOPE CONTOUR.  
 6. PROWATTLE SHALL BE INSTALLED PRIOR TO THE APPLICATION OF OTHER TEMPORARY EROSION CONTROL OR SOIL STABILIZATION MATERIALS IN THE SAME AREA.  
 7. WHEN NO LONGER REQUIRED, PROWATTLE CAN BE REMOVED AND REUSED. CRACK LOOSE AND SHAKE SEDIMENT FROM PROWATTLE SEGMENT. IT IS NOT NECESSARY TO CLEAN PROWATTLE OF ALL REMAINING SEDIMENT PRIOR TO REUSE (IT IS NOT NECESSARY TO PRESSURE-WASH PROWATTLE BETWEEN INSTALLATIONS). THE RESIDUAL SEDIMENT THAT REMAINS ON THE FILTER CAN BE BENEFICIAL AS A SECONDARY FILTER (FILTER CAKE) UPON SUBSEQUENT INSTALLATIONS. PRIOR TO REUSE, PERFORM 2-STEP QUALITY INSPECTION AS PER INSTALLATION GUIDE (WWW.ERTECSYSTEMS.COM).

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<http://www.ertecsistemas.com>  
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ERTEC - Installation Details - ProWattle.dwg  
 P1 Slope Details  
 8.5" x 11" 1 of 3



NOTES:  
 1. STAKES REQUIRED ON SLOPES  
 2. REINFORCE PROWATTLE WITH STAKES. INSTALL ONE STAKE EVERY 5 FEET.

STAKING METHODS:  
 1. WOODEN STAKE: 1" X 1" X 12" EVERY 5 FEET.  
 2. #3 OR #4 REBAR J-HOOK, MINIMUM 18" EVERY 5 FEET.

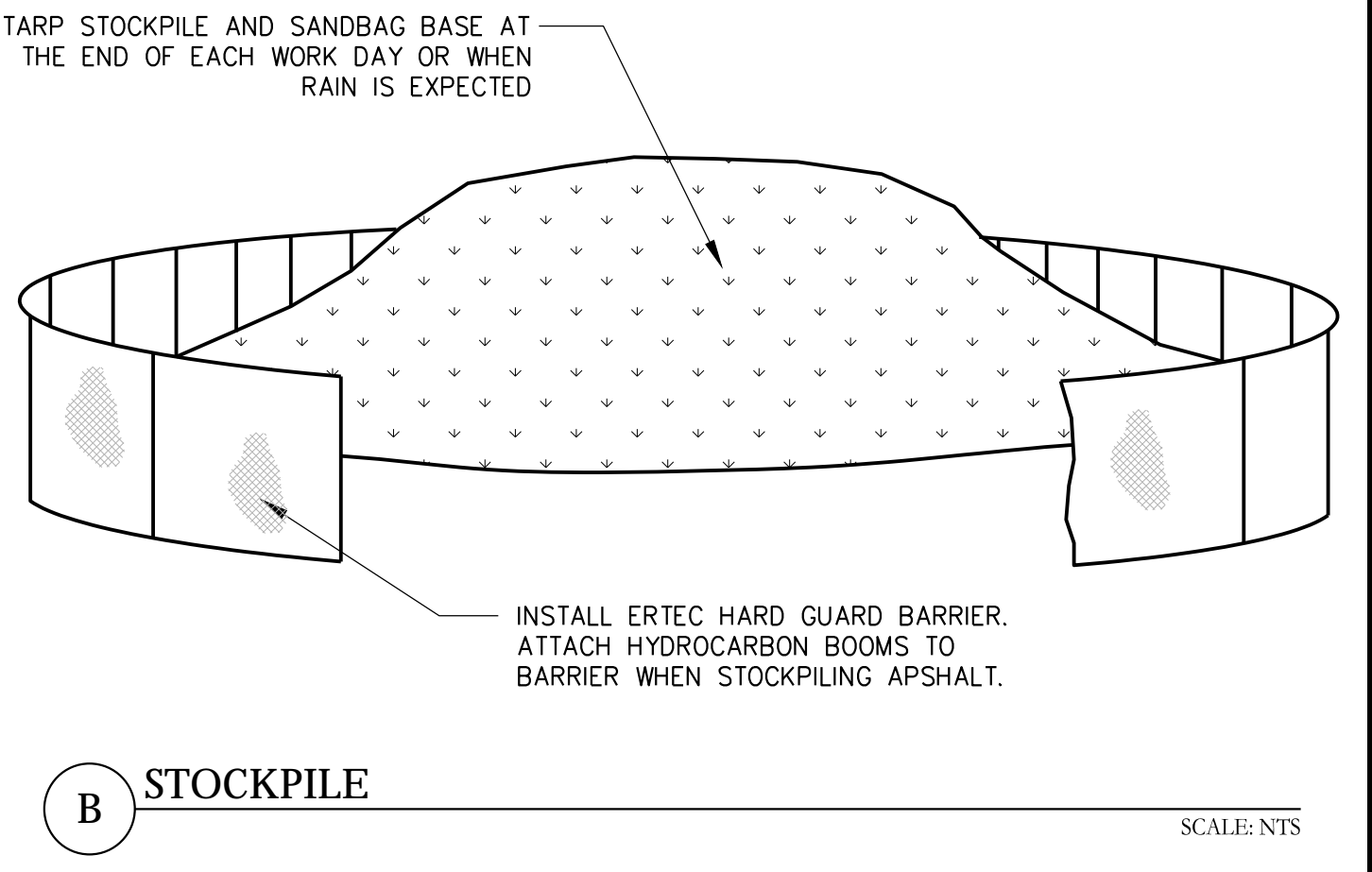
NOTES:  
 1. INSERT ADJOINING SEGMENTS. CHAMFERED END FITS INSIDE ADJOINING SEGMENT.  
 2. USE 6" NAILS (60D BRIGHT-COMMON). INSTALL 2 NAILS PER EACH 7' SEGMENT, ONE AT OVERLAP AND ONE MID-SEGMENT.  
 3. INSTALL NAILS FLUSH WITH FLAP SO THAT FLAP IS IN GOOD CONTACT WITH SOIL.  
 4. COVER FLAP WITH SOIL TO PREVENT UNDERCUTTING.  
 5. REINFORCE WITH STAKES AS SHOWN - ONE STAKE EVERY 5 FEET. IT IS NOT NECESSARY TO FASTEN THE STAKES TO PROWATTLE. POSITION STAKE ON DOWNSTREAM SIDE OF PROWATTLE TO MINIMIZE LEANING.

60D BRIGHT COMMON NAILS THROUGH FLAP 2 PER EACH SECTION  
 ALTERNATE STAKE: #3 OR #4 REBAR

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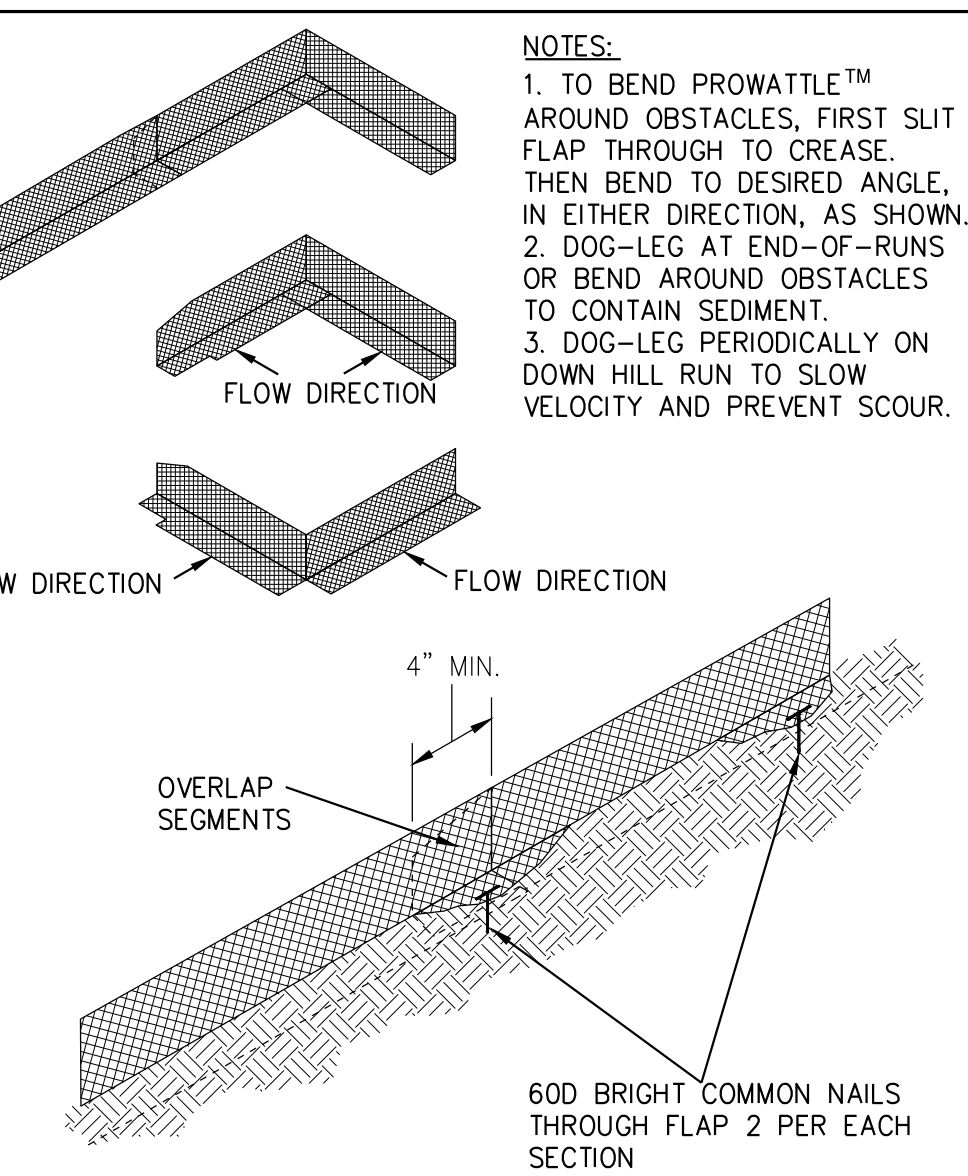
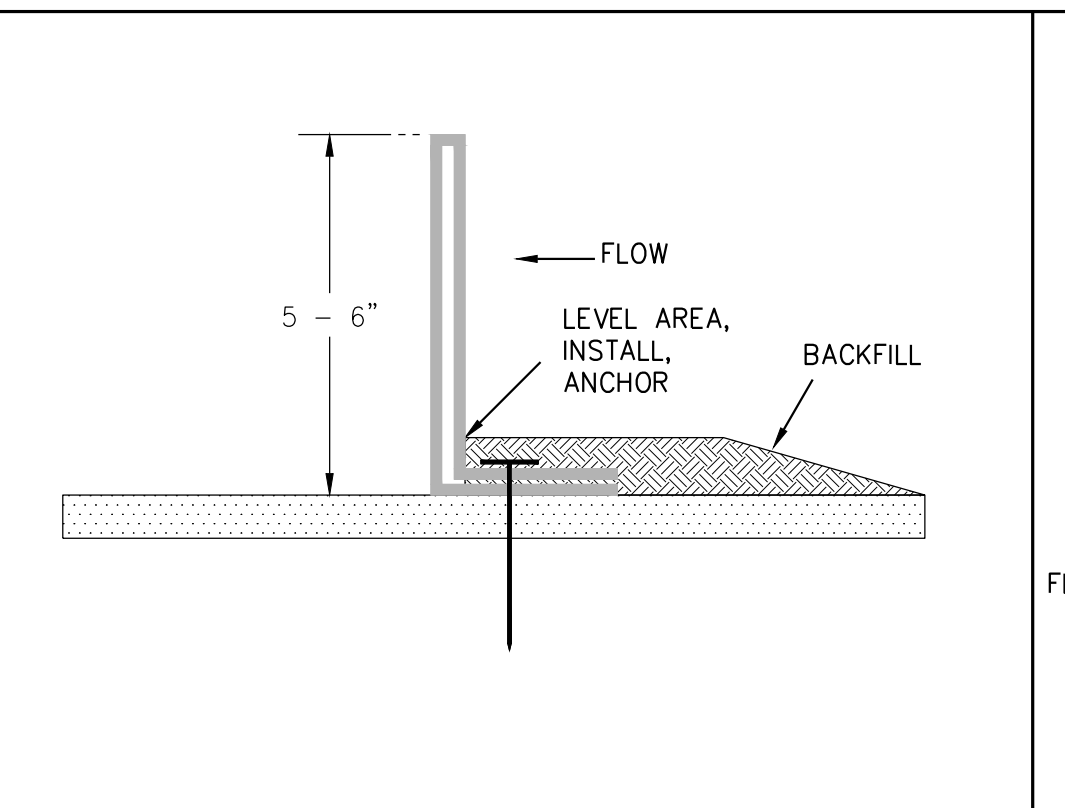
ERTEC - Installation Details - ProWattle.dwg  
 P2 Slope Details  
 8.5" x 11" 2 of 3



B STOCKPILE

SCALE: NTS

ERTEC PROWATTLE™ INSTALLATION DETAILS - PERIMETER



NOTES:  
 1. TO BEND PROWATTLE™ AROUND OBSTACLES, FIRST SLIT FLAP THROUGH TO CREASE. THEN BEND TO DESIRED ANGLE, IN EITHER DIRECTION, AS SHOWN.  
 2. DOG-LEG AT END-OF-RUNS OR BEND AROUND OBSTACLES TO CONTAIN SEDIMENT.  
 3. DOG-LEG PERIODICALLY ON DOWN HILL RUN TO SLOW VELOCITY AND PREVENT SCOUR.

NOTES:  
 1. INSERT ADJOINING SEGMENTS. CHAMFERED END FITS INSIDE ADJOINING SEGMENT.  
 2. USE 6" NAILS (60D BRIGHT-COMMON). INSTALL 2 NAILS PER EACH 7' SEGMENT, ONE AT OVERLAP AND ONE MID-SEGMENT.  
 3. INSTALL NAILS FLUSH WITH FLAP SO THAT FLAP IS IN GOOD CONTACT WITH SOIL.  
 4. COVER FLAP WITH 1" OF SOIL TO PREVENT UNDERCUTTING - NOT NECESSARY TO TRENCH.  
 5. STAKES MIGHT BE REQUIRED. IF SO, INSTALL AS NECESSARY.

MAINTENANCE: PERFORM MAINTENANCE AS REQUIRED. INSPECT FOLLOWING RAINFALL EVENTS AND AT LEAST DAILY DURING PROLONGED RAINFALL. MAINTAIN TO PROVIDE AN ADEQUATE SEDIMENT HOLDING CAPACITY. DEBRIS SHALL BE REMOVED DAILY AND SEDIMENT SHALL BE REMOVED WHEN THE SEDIMENT ACCUMULATION REACHES 50% OF THE BARRIER HEIGHT. REMOVED SEDIMENT SHALL BE INCORPORATED IN THE PROJECT AT DESIGNATED LOCATIONS.

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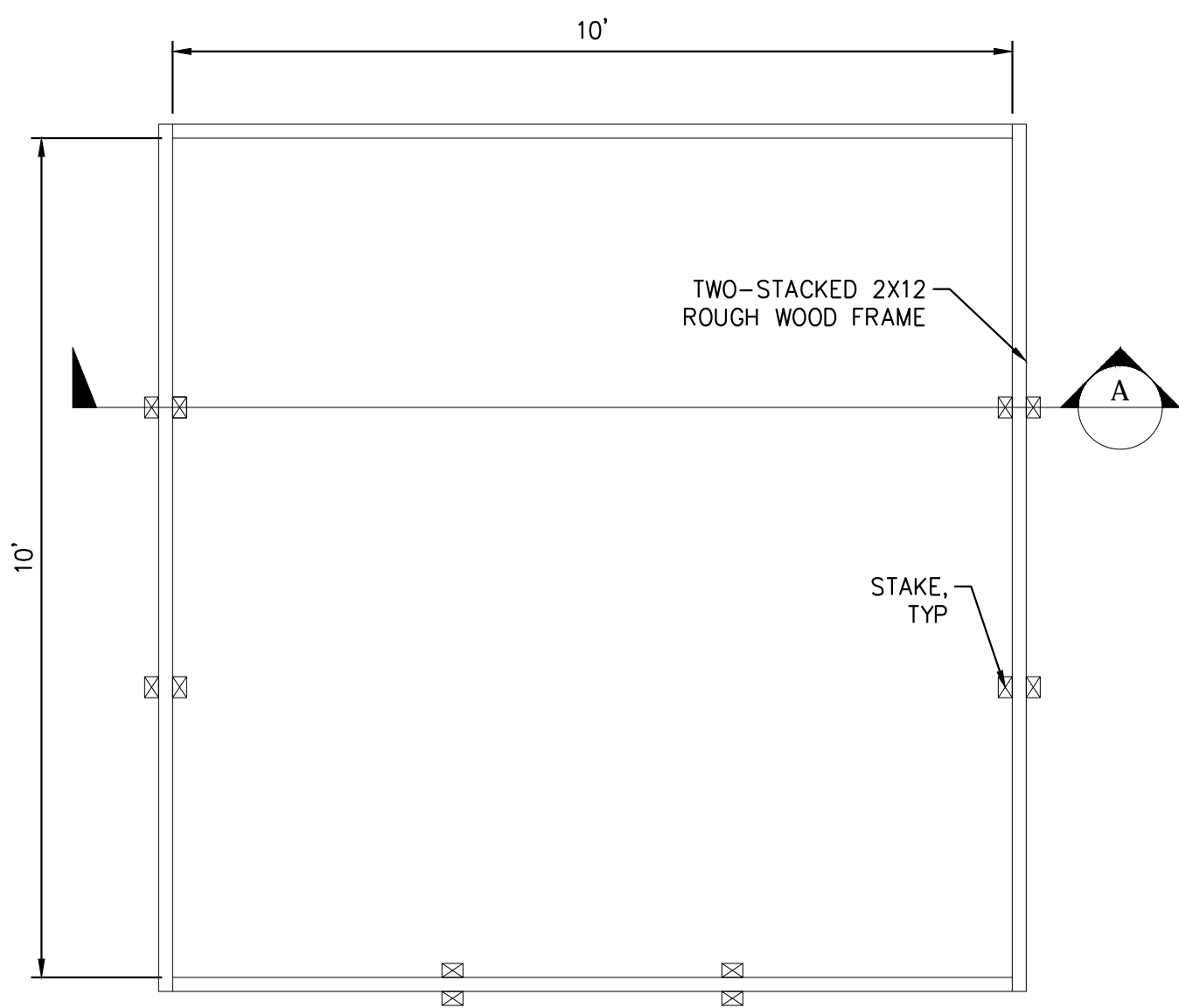
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 P3 Perimeter  
 8.5" x 11" 3 of 3

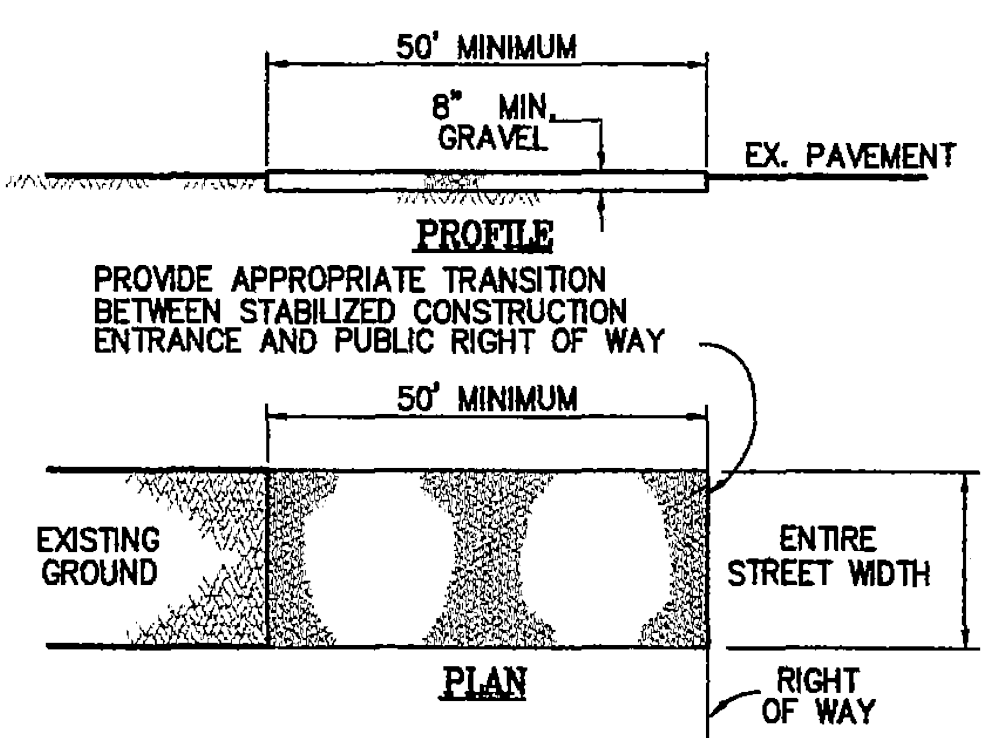
A ERTEC PROWATTLE

SCALE: NTS



C CONCRETE WASHOUT

SCALE: NTS



D CONSTRUCTION ENTRANCE

CONSTRUCTION SPECIFICATIONS

1. THE MATERIAL FOR CONSTRUCTION SHALL BE 2 TO 3 INCH ROCK
2. LENGTH - AS EFFECTIVE, BUT NOT LESS THAN 50 FEET
3. THICKNESS - NOT LESS THAN EIGHT (8) INCHES.
4. WIDTH - NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
5. WASHING - WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT OF WAY. WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH, OR WATERCOURSE THROUGH USE OF SAND BAGS, GRAVEL BOARDS OR OTHER APPROVED METHODS.
6. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT OF WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONES AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY.

SCALE: NT

PROJECT/CLIENT NAME

**Dunphy Park**

200 Napa Street  
 Sausalito, CA 94965

Owner:  
 City of Sausalito  
 420 Litho St.  
 Sausalito, CA 94965

RHAA PROJECT NUMBER

16042A

CONSULTANT

**SHERWOOD**  
 DESIGN ENGINEERS  
 58 Maiden Lane, Third Floor  
 San Francisco, CA  
 94102@sherwoodengineers.com

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Permit Submittal

DATE  
 21 August 2017

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No.	Date	Description

REGISTRATION AND SIGNATURE



SHEET TITLE  
**EROSION CONTROL DETAILS**

DRAWN BY: JG CHECKED BY: MW

**C5.2**

NOT FOR CONSTRUCTION



## BioD-Rockbag™

Biodegradable coir rock bags

Completely Wildlife Safe!

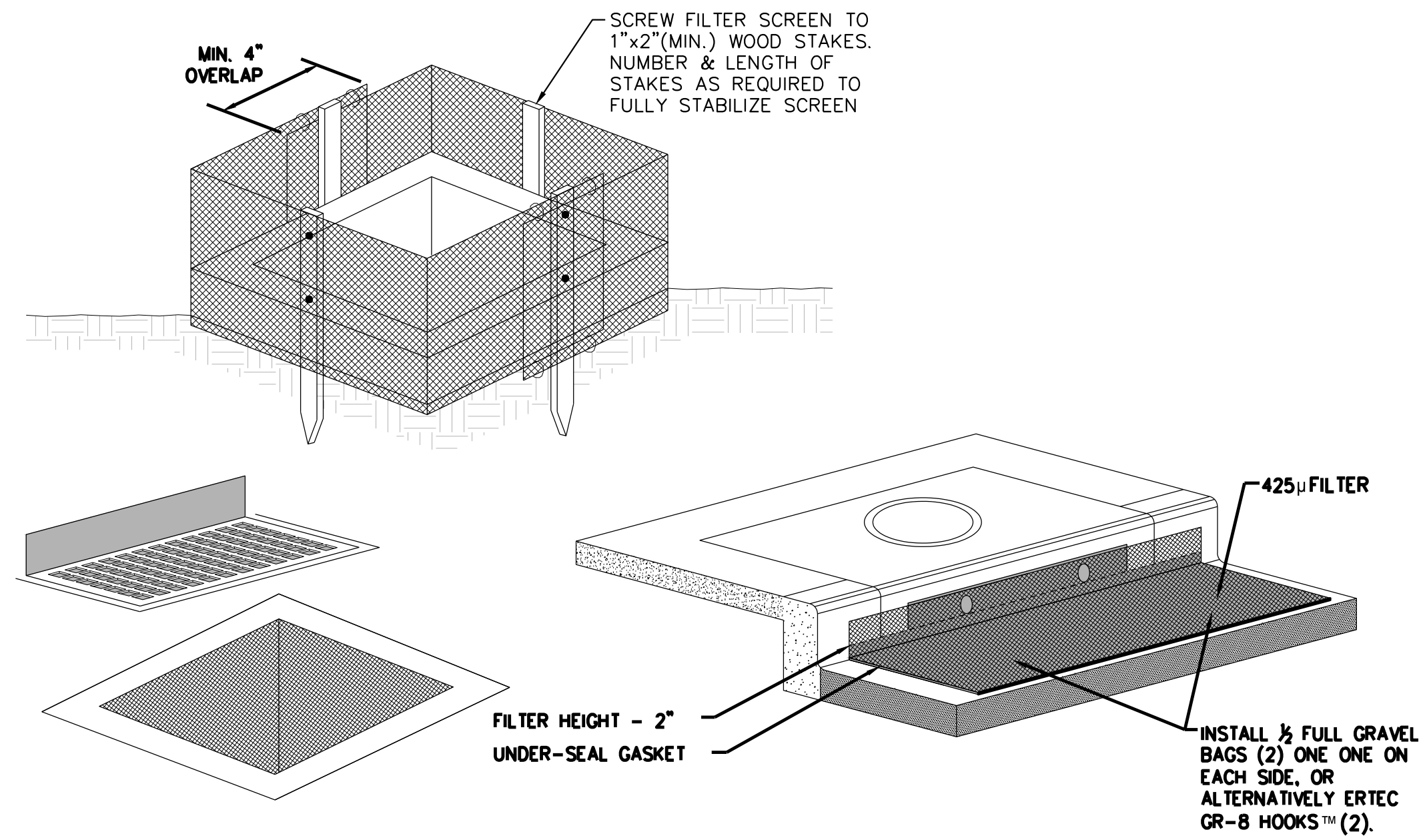
### Description

BioD-Rockbag, coir rock bags are made from BioD-Mat 90 woven coir mat which has a minimum weight of 980 g/sq.m and 38% open area. These bags are strong, durable and completely wildlife safe. These coir rock bags filter sediment effectively and can stand heavy equipment better than synthetic rock bags. Each bag comes with coir twine string so that these bags can be joined together to perform as one unit. Coir rock bags are manufactured to conform to the following properties:

### Specifications

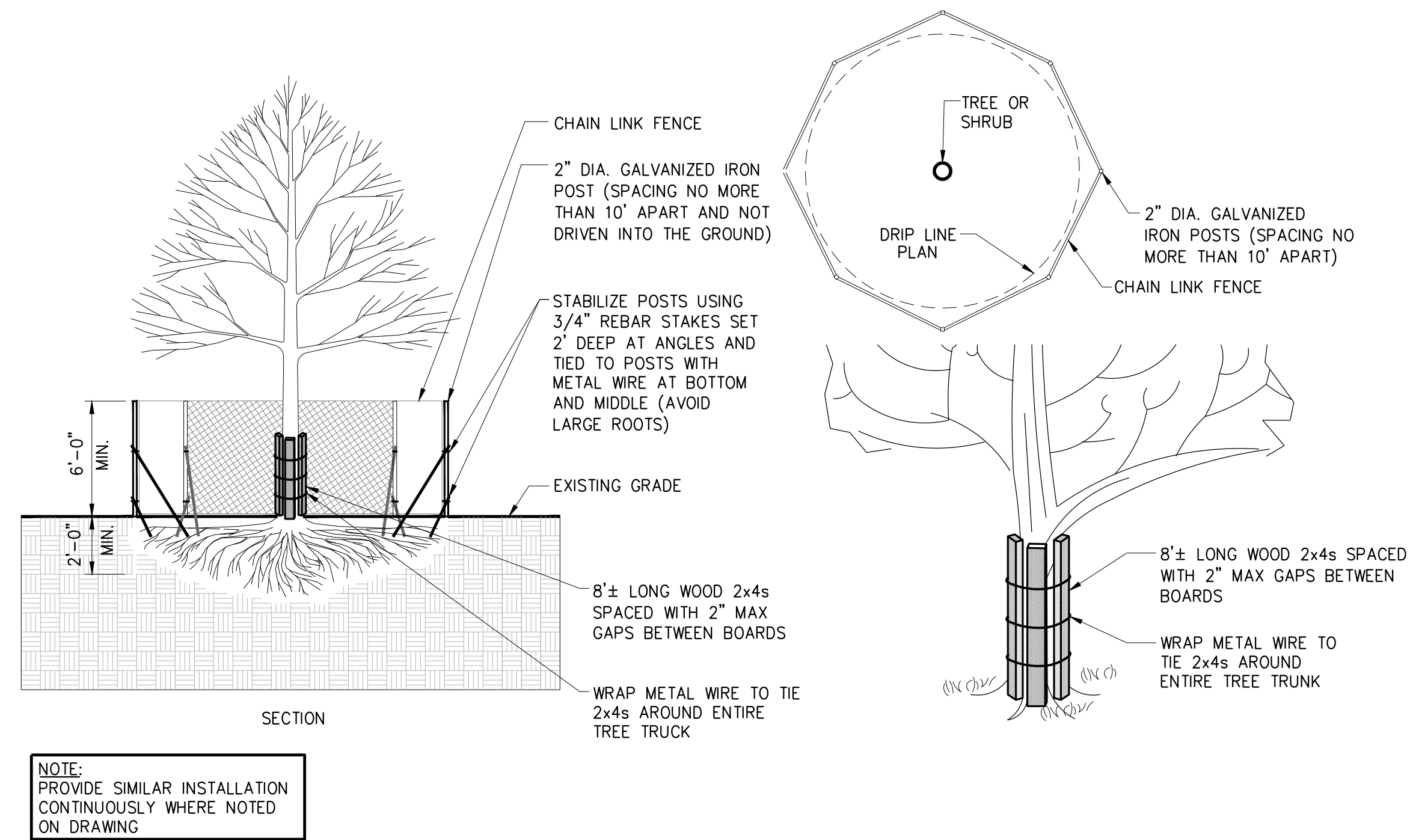
Property	BioD-Rockbag™
Unit weight	29 oz/sy (980 g/m)
Thickness	0.35 in (9 mm)
Rock bag sizes	24 in x 10 in (60 cm x 25 cm) 24 in x 36 in (60 cm x 90 cm)
Fabric	BioD-Mat 90 woven bristle coir blanket
Strength of fabric	
Machine direction	2024 lbs./ft. (29.6 kN/m)
Cross direction	1160 lbs./ft. (17 kN/m)


**Rolanka International, Inc.**  
 The True Green Solution  
 155 Andrew Drive, Stockbridge, GA 30281  
 Tel: 770 506 8211 Fax: 770 506 0391  
 E-mail: rolanka@rolanka.com Web: www.rolanka.com  
 SBA's 8(a) & SDB and DOT DBE Certified



**A** GRAVEL BAGS SCALE: NTS

**B** DROP GUARD INSTALLATION SCALE: NTS



**C** TREE PROTECTION FENCE SCALE: NTS

# rhaa

LANDSCAPE ARCHITECTURE + PLANNING  
 225 Miller Avenue, Mill Valley, CA 94941  
 T 415 383 7900 F 415 383 1433 www.rhaa.com

PROJECT/CLIENT NAME

## Dunphy Park

200 Napa Street  
 Sausalito, CA 94965

Owner:  
 City of Sausalito  
 420 Litho St.  
 Sausalito, CA 94965

RHAA PROJECT NUMBER

16042A

CONSULTANT


**SHERWOOD**  
 DESIGN ENGINEERS  
 58 Maiden Lane, Third Floor  
 San Francisco, CA  
 94102@sherwoodengineers.com

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No.	Date	Description

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SHEET TITLE  
**EROSION CONTROL  
 DETAILS**

DRAWN BY: JG CHECKED BY: MW

# C5.1

NOT FOR CONSTRUCTION

PROJECT/CLIENT NAME

## Dunphy Park

200 Napa Street  
Sausalito, CA 94965

Owner:  
City of Sausalito  
420 Litho St.  
Sausalito, CA 94965

RHAA PROJECT NUMBER

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CONSULTANT



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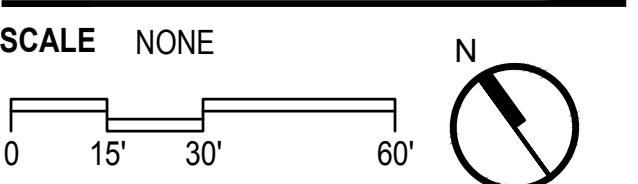
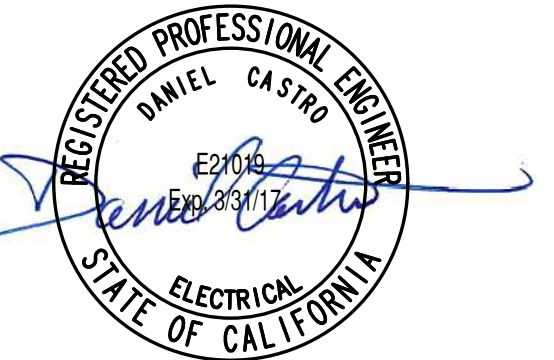
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No.	Date	Description

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SHEET TITLE

ELECTRICAL  
LEGEND AND  
NOTES

DRAWN BY: KZ CHECKED BY:

E0.1

POWER SYMBOLS		GENERAL NOTES		LIGHTING SYMBOLS		CODE COMPLIANCE	
	PANELBOARD, 120/240V, SURFACE MOUNTED SIZE APPROXIMATELY AS SHOWN		DUPLEX CONVENIENCE RECEPTACLE OUTLET, WITH GROUND MOUNT AT +18" UON, 125V, 15A, TAMPER RESISTANT TYPE		FLUORESCENT OR LED LIGHTING FIXTURE, REFER TO FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION A1 = FIXTURE TYPE 13 = CIRCUIT o = SWITCH LEG	ALL WORK PERFORMED UNDER THIS CONTRACT SHALL CONFORM TO THE FOLLOWING CODES AND REGULATIONS AS APPLICABLE:  • 2016 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR) • 2016 CALIFORNIA BUILDING CODE, VOLUMES 1 AND 2 (PART 2, TITLE 24, CCR) • 2016 CALIFORNIA ELECTRICAL CODE (PART 3, TITLE 24, CCR) • 2016 CALIFORNIA MECHANICAL CODE (PART 4, TITLE 24, CCR) • 2016 CALIFORNIA PLUMBING CODE (PART 5, TITLE 24, CCR) • 2016 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR) • 2016 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CCR) • 2016 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)	
	PANELBOARD, 120/240V, FLUSH MOUNTED SIZE APPROXIMATELY AS SHOWN		DOUBLE DUPLEX CONVENIENCE RECEPTACLE OUTLET, WITH GROUND MOUNT AT +18" UON, 125V, 20A		ROUND PENDANT LIGHTING FIXTURE, REFER TO FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION		
	DISCONNECT SWITCH (F=FUSED)		GFCI DUPLEX CONVENIENCE RECEPTACLE OUTLET, MOUNT HORIZONTALLY AT +6" ABOVE COUNTER UON, 125V, 15A		ROUND RECESSED DOWNLIGHT, REFER TO FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION		
	ELECTRICAL MOTOR CONNECTION		GFCI DUPLEX CONVENIENCE RECEPTACLE OUTLET, WITH GROUND MOUNT AT +18" UON, 125V, 15A		FLUORESCENT OR LED LIGHTING FIXTURE, WALL MOUNTED, REFER TO FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION		
	JUNCTION BOX, MOUNT ABOVE ACCESSIBLE CEILING UON		CONTROLLED DUPLEX CONVENIENCE RECEPTACLE OUTLET, UON, 125V, 15A. THE LETTER INDICATES THE SWITCH LEG.		EXIT SIGN WITH INTEGRAL EMERGENCY BACKUP, CEILING OR WALL MOUNTED. DIRECTIONAL ARROW(S) AS INDICATED, ILLUMINATED FACE AS INDICATED BY SHADING.		
	JUNCTION BOX, WALL MOUNTED, +18" UON		DUPLEX GROUND RECEPTACLE OUTPUT FLUSH MOUNTED IN CEILING. 125V, 20A		FLUORESCENT OR LED LIGHTING FIXTURE WITH INTEGRAL EMERGENCY BATTERY BACKUP.		
	JUNCTION BOX, FLOOR MOUNTED		SPECIALTY RECEPTACLE OUTLET, MOUNT AT +18" UON TYPE AS INDICATED		LIGHTING FIXTURE(S). POLE MOUNTED. NUMBER OF ARMS AS SHOWN ON DRAWINGS. REFER TO FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION A1 = FIXTURE TYPE 13 = CIRCUIT		
	STANDARD TEL/DATA WALL OUTLET, MOUNT AT SAME HEIGHT AS ADJACENT RECEPTACLE.		RECESSED FLUSH DUPLEX RECEPTACLE OUTLET 125V, 20A.				
	STANDARD DATA WALL OUTLET, MOUNT AT SAME HEIGHT AS ADJACENT RECEPTACLE.		RECESSED FLUSH DOUBLE DUPLEX RECEPTACLE OUTLET, 125V, 20A.				
	SYSTEM SMOKE DETECTOR, SURFACE MOUNTED IN CEILING		MOTION SENSOR				
	SINGLE POLE SWITCH, MOUNT AT +42" UON, LETTER INDICATES THE SWITCH LEG UON		PHOTOCCELL				
	KEY OPERATED SWITCH, MOUNT AT +42" UON						
	CONDUIT AND WIRE RUN IN WALL OR CEILING SPACE						
	CONDUIT AND WIRE RUN CONCEALED IN SLAB, UNDER SLAB OR UNDERGROUND						
ABBREVIATIONS				CONVENTIONS			
AC ABOVE COUNTER	(E) EXISTING TO REMAIN	GND GROUND	(N) NEW	(R) EXISTING TO BE RELOCATED	UG UNDER GROUND	① NUMBERED NOTES: REFERS TO NOTES ON SAME SHEET AS REFERENCE GN1 GENERAL NOTE. REFER TO NOTES ON THIS SHEET EF EQUIPMENT IDENTIFICATION TAG P1300 CABLE AND/OR RACEWAY TAG P = POWER T = TELEPHONE SEE FEEDER SCHEDULE  DETAIL REFERENCE: A ← DETAIL DESIGNATION E-3 ← SHEET NUMBER REFERENCE  LIGHTING FIXTURE IDENTIFICATION TAG: F1 ← FIXTURE TYPE Z-40 ← QUANTITY AND WATTAGE OF LAMP(S)	
AFF ABOVE FINISHED FLOOR	EC EMPTY CONDUIT	GD GARBAGE DISPOSAL	N, NEUT NEUTRAL	RAC RIGID ALUMINUM CONDUIT	UON UNLESS OTHERWISE NOTED		
AIC AMPERES INTERRUPTING CAPACITY	ECC ENGINEERING CONTROL CENTER	G GROUND FAULT INTERRUPTER	NIC NOT IN CONTRACT	RS RIGID STEEL	VFD VARIABLE FREQUENCY DRIVE		
AHU AIR HANDLING UNIT	ECH ELECTRIC CABINET HEATER	HID HIGH INTENSITY DISCHARGE	NC NORMALLY CLOSED	RSC RIGID STEEL CONDUIT	VP VIDEO PROJECTOR		
ATS AUTOMATIC TRANSFER SWITCH	EF EXHAUST FAN	HP HEAT PUMP	NO NORMALLY OPEN	SCC SECURITY CONTROL CENTER	VSD VARIABLE SPEED DRIVE		
A/V AUDIO VISUAL	ELEV ELEVATOR	HX HEAT EXCHANGER	NEC NATIONAL ELECTRICAL CODE	SDR STUDIO DIMMER RACK	WP WEATHERPROOF		
B BOILER	EMT ELECTRICAL METALLIC TUBING	IC INTERRUPTING CAPACITY	NTS NOT TO SCALE	SEP SEWAGE EJECTOR PUMP	WT WATER TIGHT		
BMS BUILDING MANAGEMENT SYSTEM	EPO EMERGENCY POWER OFF	IG ISOLATED GROUND	OL OVERLOAD RELAY	SP SUMP PUMP	(X) EXISTING TO BE REMOVED		
BP BOOSTER PUMP	EWB ELECTRIC WATER HEATER	IWV INSTANT WATER HEATER	OG OZONE GENERATOR	ST STANDBY	XFMR TRANSFORMER		
C CONDUIT	EWC ELECTRIC WATER COOLER	IP IRRIGATION PUMP	P PUMP	TB TELEPHONE BOARD	XP EXPLOSION PROOF		
C.O. CONDUIT ONLY	F FUSED	JB JUNCTION BOX	PB PUSHBUTTON SWITCH	TBC TO BE ADVISED			
CB CIRCUIT BREAKER	FAFP FIRE ALARM ANNUNCIATOR PANEL	LCP LIGHTING CONTROL PANEL	PC PHOTOCCELL	TEL TELECOM			
CO CARBON MONOXIDE SENSOR	FACP FIRE ALARM CONTROL PANEL	MAU MAKE UP AIR UNIT	PV POST INDICATING VALVE	TF TRANSFER FAN			
CHWP CHILLED WATER PUMP	FATC FIRE ALARM TERMINAL CABINET	MCC MOTOR CONTROL CENTER	PNL PANELBOARD	TP TRANSFER PANEL			
CKT CIRCUIT	FBO FURNISHED BY OTHERS	MIC MINERAL INSULATED CABLE	POC POINT OF CONNECTION	TYP TYPICAL			
CL CENTER LINE	FCC FIRE CONTROL CENTER	MD MOTORIZED DOOR	POS POINT OF SALE				
CM COFFEE MAKER	FCU FAN COIL UNIT	MS MOTORIZED SHADES	PRT PRINTER				
CP CIRCULATION PUMP	FLUOR FLUORESCENT	MW MICROWAVE	PVC POLYVINYL CHLORIDE CONDUIT				
CT CURRENT TRANSFORMER	FP FIRE PUMP						
CU CONDENSING UNIT	FVNR FULL VOLTAGE NON-REVERSING						
D DEDICATED (POWER & SIGNAL) /DIMMING (LIGHTING)							
DP DIMMING PANEL							

NOT FOR CONSTRUCTION



NOT FOR CONSTRUCTION

**DUNPHY PARK IMPROVEMENTS  
 VOLTAGE DROP CALCULATION**

FEEDER	MAX. CURRENT (A)	SUPPLYING BREAKER RATING (A)	FEEDER SIZE (AWG/kCM)	LENGTH (FT) FROM MAIN SWITCHBOARD (approx)	IMPEDANCE (Z) (OHMS/KFT)	VOLTAGE DROP (V)	% VD (MAX. 3%)
PNL MAIN	52	100	# 1	10	0.1641	0.17	0.07

**4 VOLTAGE DROP CALCULATION**  
 SCALE: NONE

**LIGHTING FIXTURE SCHEDULE**

TYPE	DESCRIPTION	MANUFACTURER	MODEL	LAMP(S)	DRIVER	DIMMING TYPE	VOLTS (V)	WATTS (W)	EFFICACY (LPW)	MOUNTING TYPE	LOCATION
F1	POLE LIGHTING, FLARED EDGE, BASE FIXTURE, FLAT GLASS LENS, 4500K, 6665 LUMENS, COORDINATE COLOR WITH ARCHITECT. SINGLE ARM MOUNTING CONFIGURATION. ELECTRONIC BUTTON PHOTOCONTROL.	STERNBERG LIGHTING	1A-1970LED-F-BG-4ARC-45-T3R-MDL03-FG-PEC	LED	LED DRIVER	0-10	120	65 W each	102.6	POLE SINGLE ARM	TYPICAL
F2	POLE LIGHTING, FLARED EDGE, BASE FIXTURE, FLAT GLASS LENS, 4500K, 6665 LUMENS, COORDINATE COLOR WITH ARCHITECT. DOUBLE ARM MOUNTING CONFIGURATION. ELECTRONIC BUTTON PHOTOCONTROL.	STERNBERG LIGHTING	2A-1970LED-F-BG-4ARC-45-T3R-MDL03-FG-PEC	LED	LED DRIVER	0-10	120	65 W each	102.6	POLE DOUBLE ARM	TYPICAL

**LIGHTING GENERAL NOTES:**

- ALL LIGHTING FIXTURES SHALL BE SUPPLIED WITH THE MOUNTING ACCESSORIES, TRIMS AND/OR SHROUDS NECESSARY TO PROPERLY AND COMPLETELY INSTALL THE FIXTURES. CONTRACTOR SHALL VERIFY WITH ARCHITECT THE COLOR AND FINISH OF FIXTURES TO THE CLOSEST STANDARD COLOR AND FINISH BEFORE ORDERING.
- COORDINATE LIGHTING CONTROLS AND PROVIDE AS REQUIRED BY MANUFACTURER TO ACHIEVE A COMPLETE WORKING SYSTEM.

**3 LIGHTING FIXTURE SCHEDULE**  
 SCALE: NONE

**WIRING SCHEDULE - COPPER CONDUCTORS (0-600V)**

CIRCUIT RATING	CONDUIT SIZE (INCHES)								CONDUCTOR SIZE	
	NONE	G	N	NG	NGI	NNG	NNGI	PHASE/NEUTRAL	GND*/IG	
15	0.5	0.5	0.5	0.5	0.5	0.5	0.5	12	12	
20	0.5	0.5	0.5	0.5	0.5	0.5	0.5	12	12	
30	0.5	0.5	0.5	0.5	0.75	0.75	0.75	10	10	
40	0.75	0.75	0.75	1	1	1	1	8	10	
50	1	1	1	1.25	1.25	1.25	1.25	6	10	
60	1	1.25	1.25	1.25	1.5	1.5	1.5	4	10	
70	1	1.25	1.25	1.25	1.5	1.5	1.5	4	8	
80	1.25	1.25	1.25	1.5	2	2	2	2	8	
90	1.25	1.25	1.25	1.5	2	2	2	2	8	
100	1.25	1.5	1.5	2	2	2	2.5	1	8	
110	1.25	1.5	1.5	2	2	2	2.5	1	6	
125	1.25	1.5	1.5	2	2	2	2.5	1	6	
150	1.5	2	2	2	2.5	2.5	2.5	1/0	6	
175	1.5	2	2	2	2.5	2.5	2.5	2/0	6	
200	2	2	2	2.5	2.5	2.5	3	3/0	6	
225	2	2.5	2.5	2.5	3	3	3	4/0	4	
250	2.5	2.5	2.5	3	3	3	3.5	250	4	
300	2.5	3	3	3.5	3.5	3.5	4	350	4	
350	3	3.5	3.5	4	4	4	5	500	2	
400	2@2	2@2	2@2	2@2.5	2@2.5	2@2.5	2@3	3/0	2	
450	2@2	2@2.5	2@2.5	2@2.5	2@3	2@3	2@3	4/0	2	
500	2@2.5	2@2.5	2@2.5	2@3	2@3	2@3	2@3.5	250	1	
600	2@2.5	2@3	2@3	2@3.5	2@3.5	2@3.5	2@4	350	1	
700	2@3	2@3.5	2@3.5	2@4	2@4	2@4	2@5	500	1/0	
800	3@2.5	3@3	3@3	3@3.5	3@3.5	3@3.5	3@3.5	300	1/0	
1000	3@3	3@3	3@3	3@3.5	3@4	3@4	3@4	400	2/0	
1200	4@2.5	4@3	4@3	4@3.5	4@3.5	4@3.5	4@4	350	3/0	
1600	5@3	5@3	5@3	5@3.5	5@4	5@4	5@4	400	4/0	
2000	6@3.5	6@3.5	6@3.5	6@4	6@4	6@4	6@5	500	250	
2500	7@3.5	7@3.5	7@3.5	7@4	7@4	7@4	7@4	500	350	
3000	8@3.5	8@3.5	8@3.5	8@4	8@4	8@4	8@4	500	400	

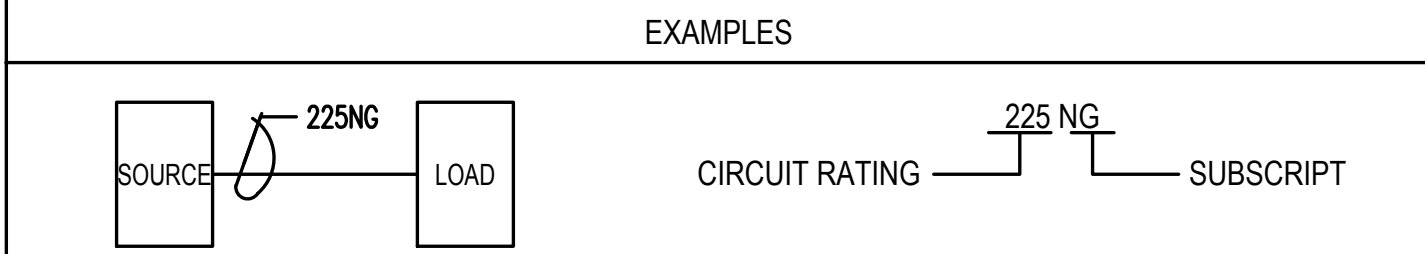
**SUBSCRIPT KEY**

SUBSCRIPT	CONDUCTORS PER CONDUIT
NONE	3 PHASE CONDUCTORS, CONDUIT GROUND
G	3 PHASE CONDUCTORS, 1 GROUNDING CONDUCTOR
N	3 PHASE CONDUCTORS, 1 NEUTRAL CONDUCTOR, CONDUIT GROUND
NG	3 PHASE CONDUCTORS, 1 NEUTRAL CONDUCTOR, 1 GROUNDING CONDUCTOR
NGI	3 PHASE CONDUCTORS, 1 NEUTRAL CONDUCTOR, 1 ISOLATED GROUNDING CONDUCTOR
NNG	3 PHASE CONDUCTORS, 2 NEUTRAL CONDUCTORS*, 1 GROUNDING CONDUCTOR
NNGI	3 PHASE CONDUCTORS, 2 NEUTRAL CONDUCTORS*, 1 GROUNDING CONDUCTOR, 1 ISOLATED GROUNDING CONDUCTOR

\* SINGLE NEUTRAL CONDUCTOR SIZES FOR CIRCUIT RATING 125 AND LESS

PARALLEL CONDUCTORS ARE NOT PERMITTED UNDER #1/0. WHERE DOUBLE NEUTRAL CONDUCTORS ARE INDICATED, PROVIDE AN OVERSIZED NEUTRAL CONDUCTOR IN ACCORDANCE WITH THE FOLLOWING TABLE:

CIRCUIT RATING	15	20	30	40	50	60
SINGLE NEUTRAL CONDUCTOR SIZE	10	8	4	2	1	1/0
CIRCUIT RATING	70	80	90	100	125	
SINGLE NEUTRAL CONDUCTOR SIZE	2/0	3/0	4/0	250	250	



- NOTES**
- SCHEDULE IS BASED ON 3 CURRENT CARRYING CONDUCTORS IN RACEWAY, CABLE OR EARTH, AT AMBIENT AIR TEMPERATURE OF 30°C (86°F).
  - MODIFY IF USE OF 600MCM CONDUCTORS ARE DESIRED CONFIRM LUG SIZES ARE AVAILABLE.

**2 WIRING SCHEDULE**  
 SCALE: NONE

**LIGHTING SEQUENCE OF OPERATION**

ROOM TYPE / FUNCTION	OCCUPANCY SENSOR-AUTO ON	OCCUPANCY SENSOR-MANUAL OFF	OCCUPANCY SENSOR-AUTO OFF	OCCUPANCY SENSOR-PARTIAL ON/OFF	MANUAL ON/OFF SWITCH	DAYLIGHT SENSOR + AUTO DIMMING	MANUAL DIMMING	TIME CLOCK
RESTROOMS	•	•	•		•			
UTILITY ROOM					•			
EXTERIOR LIGHTING ATTACHED TO RESTROOM BUILDING					•	•		•
EXTERIOR LIGHTING - PARKING LOT LIGHTING FIXTURES						•		•
EXTERIOR LIGHTING - BOCCE COURT LIGHTING FIXTURES					•	•		•

**5 LIGHTING SEQUENCE OF OPERATION**  
 SCALE: NONE

**NAME:** R (ADD/ALT)\* **VOLTAGE:** 120/240 **BUS SIZE:** 50A **MIN. AIC:**

MOUNT:	SURFACE		PHASE/WIRE: 1PH 3W				MAIN: 50A				SERVED FROM:		MAIN	
	CKT NO.	BKR/POLE	DESCRIPTION	ΦA	ΦB	R	L/C	M	N	K	DESCRIPTION	BKR/POLE	CKT NO.	
1	20/1		RESTROOM LIGHTS	0	360						RESTROOM GFCI REC	20/1	2	
3	20/1		RESTROOM EXT LIGHTS	0	360	360					RESTROOM GFCI REC	20/1	4	
5	20/1		DOOR LOCK	0	0						RESTROOM EF	20/1	6	
7	20/1		SPARE	0	0						RESTROOM EF	20/1	8	
9	20/1		SPARE	0	0						SPARE	20/1	10	
11			SPARE	0	0						SPARE		12	
<b>CONNECTED LOAD SUBTOTALS</b>				<b>360</b>	<b>360</b>	<b>720</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>				
<b>CONNECTED LOAD (KVA)</b>				<b>0.7</b>										
<b>CONNECTED LOAD (AMPS):</b>				<b>3.00</b>						<b>65% OF CONNECTED 0.0 KVA</b>				
<b>DEMAND LOAD (AMPS):</b>				<b>3.00</b>						<b>100% OF CONNECTED 0.0 KVA</b>				
										<b>CONNECTED + 25% LARGEST 0.0 KVA</b>				
										<b>125% OF CONNECTED 0.0 KVA</b>				
										<b>FIRST 10KVA + 50% REMAINDER 0.72 KVA</b>				
										<b>TOTAL CALCULATED DEMAND LOAD PER NEC 0.7 KVA</b>				

\*= PROVIDED BY OTHERS

**NAME:** MAIN **VOLTAGE:** 120/240 **BUS SIZE:** 100A **MIN. AIC:**

MOUNT:	EXTERIOR		PHASE/WIRE: 1PH 3W				MAIN: 100A				SERVED FROM:		PG&E TX	
	CKT NO.	BKR/POLE	DESCRIPTION	ΦA	ΦB	R	L/C	M	N	K	DESCRIPTION	BKR/POLE	CKT NO.	
1	20/1		PARKING LIGHTS	650	4800	4800	650				GAZEBO SPIDER BOX	50/2	2	
3	20/1		BOCCE LIGHTS	520	4800	4800	520				GAZEBO REC	20/1	6	
5	20/1		IRRIGATION CTRL	0	180	180					GAZEBO REC	20/1	8	
7	50/2		PNL R (RESTROOM ADD/ALT)	360	360	720	180	0	0	0	PICNIC REC	20/1	10	
9			SPARE	0	0	360					BOCCE REC	20/1	12	
13	20/1		SPARE	0	0	180	180				SPARE	20/1	14	
15	20/1		SPARE	0	0						SPARE	20/1	16	
17			SPACE	0	0						SPACE		18	
19			SPACE	0	0						SPACE		20	
<b>CONNECTED LOAD SUBTOTALS</b>				<b>6350</b>	<b>6040</b>	<b>11220</b>	<b>1170</b>	<b>0</b>	<b>0</b>	<b>0</b>				
<b>CONNECTED LOAD (KVA)</b>				<b>12.4</b>						<b>65% OF CONNECTED 0.0 KVA</b>				
<b>CONNECTED LOAD (AMPS):</b>				<b>51.63</b>						<b>100% OF CONNECTED 0.0 KVA</b>				
<b>DEMAND LOAD (AMPS):</b>				<b>50.30</b>						<b>CONNECTED + 25% LARGEST 0.0 KVA</b>				
										<b>125% OF CONNECTED 1.5 KVA</b>				
										<b>FIRST 10KVA + 50% REMAINDER 10.61 KVA</b>				
										<b>TOTAL CALCULATED DEMAND LOAD PER NEC 12.1 KVA</b>				

**1 PANELBOARD SCHEDULES**  
 SCALE: NONE

PROJECT/CLIENT NAME

**Dunphy Park**

200 Napa Street  
Sausalito, CA 94965

Owner:  
**City of Sausalito**  
420 Litho St.  
Sausalito, CA 94965

RHAA PROJECT NUMBER

16042A

CONSULTANT



engineering 350 llc  
256 moulton street  
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SUBMITTAL

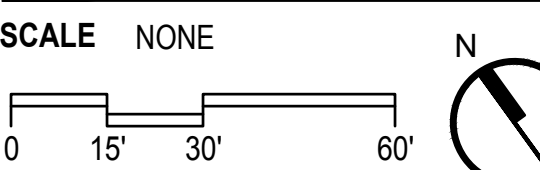
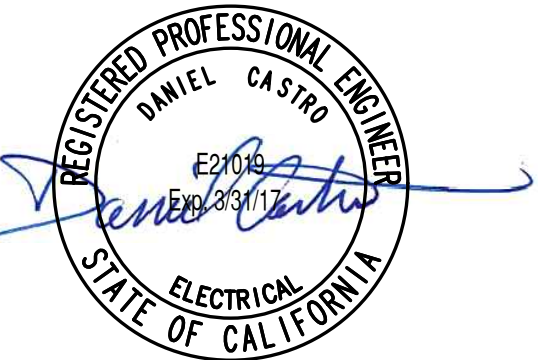
Permit Submittal

DATE  
21 August 2017

REVISIONS

No.	Date	Description

REGISTRATION AND SIGNATURE



SHEET TITLE  
TITLE 24  
COMPLIANCE

DRAWN BY: KZ CHECKED BY:

E0.3

NOT FOR CONSTRUCTION

STATE OF CALIFORNIA  
**Electrical Power Distribution**  
CEC-NRCC-ELC-01-E (Revised 01/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-ELC-01-E  
Electrical Power Distribution (Page 1 of 6)  
Project Name: DUNPHY PARK IMPROVEMENTS Date Prepared: 8/15/2017

**General Information**

Project Address: 200 NAPA STREET, SAUSALITO, CA 94965 Climate Zone: CZ3 Conditioned Floor Area:  
Unconditioned Floor Area:

Building Type:  Nonresidential  High-Rise Residential  Hotel/Motel  
 Schools  Relocatable Public Schools

Phase of Construction:  New Construction  Addition  Alteration

In the table below identify all applicable construction documents that specify the requirements for the scope of responsibility reported by this certificate. Use additional pages as needed to list all construction documents related to compliance of Section 130.5.

Document Number	Document Title / Descriptions (include description information for Table or Schedule if it contains compliance information)	Document Sheet # or Page #	Indicate which subsection of Section 130.5 is related to the document (e.g. 130.5(a) for service electrical metering)
ELECTRICAL DRAWINGS SET	ELECTRICAL CALCS & SCHEDULES	E0.2	130.5(c)

STATE OF CALIFORNIA  
**Electrical Power Distribution**  
CEC-NRCC-ELC-01-E (Revised 01/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-ELC-01-E  
Electrical Power Distribution (Page 2 of 6)  
Project Name: DUNPHY PARK IMPROVEMENTS Date Prepared: 8/15/2017

Document Number	Document Title / Descriptions (include description information for Table or Schedule if it contains compliance information)	Document Sheet # or Page #	Applicable subsection of Section 130.5

STATE OF CALIFORNIA  
**Electrical Power Distribution**  
CEC-NRCC-ELC-01-E (Revised 01/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-ELC-01-E  
Electrical Power Distribution (Page 3 of 6)  
Project Name: DUNPHY PARK IMPROVEMENTS Date Prepared: 8/15/2017

**A. Service Electrical Metering**

Check one of the three boxes below if the electrical power distribution system is in compliance with Section 130.5(a).  
 For newly installed electrical service in newly constructed buildings, Service Electrical Metering is required according to Section 130.5(a). Fill out Column 1 thru 6 of table below.  
 For new or replacement electrical service equipment in existing buildings, Service Electrical Metering is required according to Section 141.0(b)(2). Fill out Column 1 thru 6 of table below.  
 EXCEPTION to Electrical Service Metering: Service or feeder for which the utility company provides a metering system that indicates instantaneous kW demand and kWh for a utility-defined period. Fill out Column 1, 2 and 6 of table below with the compliance information.

Fill out a separate line for each electrical service that is connected to the building. If additional table space is needed for electrical service information, submit additional page with the information.

Electrical Service Schedule	Electrical Service Rating	Metering Capabilities (check all that are present)				Exception to 130.5(a)	Field Inspector
		03	04	05	06		
01	02	Instantaneous (at the time) kW	Historical peak (kW)	Tracking kWh for a user-definable period	kWh per rate period	07	08
Electrical Service Designation/Location/Description	kVA	Utility metering system	Check that the metering complies				
PNL MAIN / EXTERIOR	12.1 kVA	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

STATE OF CALIFORNIA  
**Electrical Power Distribution**  
CEC-NRCC-ELC-01-E (Revised 01/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-ELC-01-E  
Electrical Power Distribution (Page 4 of 6)  
Project Name: DUNPHY PARK IMPROVEMENTS Date Prepared: 8/15/2017

**B. Separation of Electrical Circuits for Electrical Energy Monitoring**

Check all boxes below if the electrical power distribution system is in compliance with Section 130.5(b).  
 The electrical power distribution system meets the separation of electrical circuits for electrical energy monitoring requirement of Section 130.5(b). The electrical power distribution system is designed so that measurement devices can monitor the electrical energy usage of load types according to TABLE 130.5-B.  
 Describe the electrical power distribution system installed and the compliance method chosen in meeting the requirement of Section 130.5(b). Use the space below to include the information. Examples of compliance methods are detailed in Nonresidential Compliance Manual Chapter 8.

Fill out Column 1 thru 3 with the compliance information.

General Information	Electrical Power Distribution System Information and Method of compliance	Electrical Service Rating	Enforcement Agency
01	02	03	04
Electrical Service Designation/Location/Description	Describe the electrical power distribution system installed and the compliance method used.	kVA	Check that the system complies
PNL MAIN	PROPOSED DESIGN MEETS THE SEPARATION OF ELECTRICAL CIRCUIT REQUIREMENT OF SECTION 130.5(B). FOR SERVICES RATED 50 KVA OR LESS NO SEPARATION OF THE ELECTRICAL LOAD IS REQUIRED.	12.1 kVA	<input type="checkbox"/>
Field Inspector Notes:			

STATE OF CALIFORNIA  
**Electrical Power Distribution**  
CEC-NRCC-ELC-01-E (Revised 01/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-ELC-01-E  
Electrical Power Distribution (Page 5 of 6)  
Project Name: DUNPHY PARK IMPROVEMENTS Date Prepared: 8/15/2017

**C. Voltage Drop**

Check all boxes below if the electrical power distribution system is in compliance with Section 130.5(c).

The electrical power distribution system meets the voltage drop requirement of Section 130.5(c). The maximum combined voltage drop on feeder conductors and branch circuit conductors to the farthest connected load or outlet, do not exceed 5%.

Voltage drop calculation documents showing compliance to Section 130.5(c) are submitted as part of the compliance document submittal.

Enforcement Agency  
Check that the system complies

**D. Circuit Controls for 120-Volt Receptacles and Controlled Receptacles**

Check one or more boxes below for applicable requirements of Section 130.5(d) for the electrical power distribution system.

The control is capable of automatically shutting OFF the controlled receptacles when the space is typically unoccupied, either at the receptacle or circuit level. For the automatic time switch control, it incorporates an override control that allows the controlled receptacle to remain ON for no more than 2 hours when an override is initiated and an automatic holiday "shut-OFF" feature that turns OFF all loads for at least 24 hours and then resumes the normally scheduled operation. Countdown timer switches are not used to comply with the automatic time switch control requirements. The controls meet the requirement of Section 130.5(d)1.

There is at least one controlled receptacle within 6 ft from each uncontrolled receptacle. Where receptacles are installed in modular furniture in open office area, at least one controlled receptacle is installed at each workstation. The receptacles meet the requirement of Section 130.5(d)2.

There are installed split wired receptacles with at least one controlled and one uncontrolled receptacle. Where receptacles are installed in modular furniture in open office area, at least one controlled receptacle is installed at each workstation. The receptacles meet the requirement of Section 130.5(d)2.

Permanent and durable marking for controlled receptacles or circuits to differentiate them from uncontrolled receptacles or circuits is provided. The markings meet the requirement of Section 130.5(d)3.

For hotel and motel guest rooms, there are controlled receptacles for at least one-half of the 120-volt receptacles in each guest room. Electric circuits serving controlled receptacles in guestrooms are installed to have captive key controls, occupancy sensing controls, or automatic controls so the power is switched off no longer than 30 minutes after the guest room has been vacated. The receptacles meet the requirement of Section 130.5(d)4.

Receptacles that are only for the following purposes are exempted from Section 130.5(d):  
 -Receptacles specifically for refrigerators and water dispensers in kitchen areas.  
 -Receptacles located a minimum of six ft above the floor that are specifically for clocks.  
 -Receptacles for network copiers, fax machines, A/V and data equipment other than personal computers in copy rooms.  
 -Receptacles on circuits rated more than 20 amperes.  
 -Receptacles connected to an uninterruptible power supply (UPS) that are intended to be in continuous use, 24 hours per day/365 days per year, and are marked to differentiate them from other uncontrolled receptacles or circuits.

Field Inspector  
Check that the system complies

STATE OF CALIFORNIA  
**Electrical Power Distribution**  
CEC-NRCC-ELC-01-E (Revised 01/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-ELC-01-E  
Electrical Power Distribution (Page 6 of 6)  
Project Name: DUNPHY PARK IMPROVEMENTS Date Prepared: 8/15/2017

**DOCUMENTATION AUTHOR'S DECLARATION STATEMENT**

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: MARIA NAZAR NAIM  
Company: ENGINEERING 350 LLC  
Address: 256 MOULTON STREET  
City/State/Zip: SAN FRANCISCO, CA 94123  
Phone: 415-354-0006

Documentation Author Signature: [Signature]  
Signature Date: 8/15/2017  
CEA/HERS Certification Identification (if applicable):

**RESPONSIBLE PERSON'S DECLARATION STATEMENT**

I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
- The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
- The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: DANIEL CASTRO  
Company: ENGINEERING 350 LLC  
Address: 256 MOULTON STREET  
City/State/Zip: SAN FRANCISCO, CA 94123  
Phone: 415-354-0006

Responsible Designer Signature: [Signature]  
Date Signed: 8/15/2017  
License:

PROJECT/CLIENT NAME

## Dunphy Park

200 Napa Street  
Sausalito, CA 94965

Owner:  
City of Sausalito  
420 Litho St.  
Sausalito, CA 94965

RHAA PROJECT NUMBER

16042A

CONSULTANT



engineering 350 llc  
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san francisco, ca 94123  
T:415-328-1450  
www.engineering350.com

SUBMITTAL

## Permit Submittal

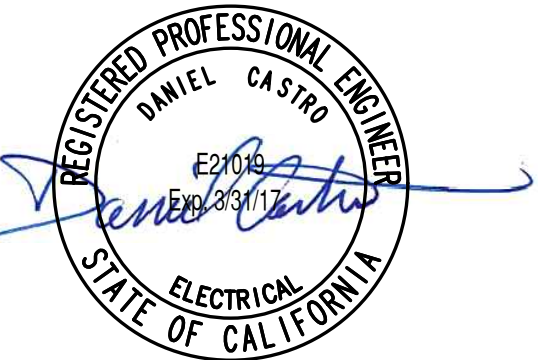
DATE

21 August 2017

REVISIONS

No. Date Description

REGISTRATION AND SIGNATURE



SCALE NONE



SHEET TITLE

TITLE 24  
COMPLIANCE

DRAWN BY: KZ

CHECKED BY:

E0.4

STATE OF CALIFORNIA  
**OUTDOOR LIGHTING**  
CEC-NRCC-LTO-01-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTO-01-E  
Outdoor Lighting (Page 1 of 4)  
Project Name: DUNPHY PARK IMPROVEMENTS Date Prepared: 8/15/2017

**A. General Information**

Project Address: 200 NAPA STREET, SAUSALITO, CA 94965 Total Illuminated Hardscape Area: 61,522.5 sq.ft.

Phase of Construction:  New Construction  Addition  Alteration

Outdoor Lighting Zone (LZ)  LZ-1  LZ-2  LZ-3  LZ-4

I have confirmed with the AHJ which LZ applies to this site. For default lighting zone designations, see Title 24 Part 6, §10-114.

**B. Lighting Compliance Documents** (check box for each document included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.

NRCC-LTO-01-E Certificate of Compliance  
 NRCC-LTO-02-E Outdoor Lighting Controls Certificate of Compliance  
 NRCC-LTO-03-E Outdoor Lighting Power Allowance Certificate of Compliance  
 NRCC-LTO-04-E Outdoor Lighting Existing Conditions Certificate of Compliance

**C. Summary of Allowed Outdoor Lighting Power** Watts

01	Sum Total ALLOWED Outdoor Lighting Wattage from NRCC-LTO-03-E, page 1	3530.05
Alterations with NO increase of connected lighting load may instead use the allowed wattage from NRCC-LTO-04, page 2.		
Complies ONLY if Installed (Box 02) ≤ Allowed (Box 01)		
02	Sum Total INSTALLED Outdoor Lighting Wattage from NRCC-LTO-01-E, page 3.	1170

**D. Declaration of Required Installation Certificates**  
Declare by checking all Installation Certificates that will be submitted. (Retain copies and verify compliance documents are completed and signed.)

NRCC-LTO-01-E - Must be submitted for all buildings.  Field Inspector  
 NRCC-LTO-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.  Field Inspector

**E. Declaration of Required Certificates of Acceptance**  
Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify compliance documents are completed and signed.)

NRCA-LTO-02-A - Must be submitted for outdoor lighting controls.  Field Inspector

**F. Schedule of Luminaires Exempt from the Outdoor Lighting Power Requirements in §140.7**

01	02
Name or Symbol	Description of exempt luminaire in accordance with the exemptions

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance April 2016

STATE OF CALIFORNIA  
**OUTDOOR LIGHTING**  
CEC-NRCC-LTO-01-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTO-01-E  
Outdoor Lighting (Page 2 of 4)  
Project Name: DUNPHY PARK IMPROVEMENTS Date Prepared: 8/15/2017

**G. Schedule of Luminaires Exempt from the Cutoff Requirements in §130.2(b)**

01	02
Name or Symbol	Description of exempt luminaire in accordance with the exemptions
F1	OUTDOOR LUMINAIRE RATED FOR USE WITH LAMPS LESS THAN 150 W.
F2	OUTDOOR LUMINAIRE RATED FOR USE WITH LAMPS LESS THAN 150 W.

**H. Schedule of Luminaires Exempt from the Outdoor Lighting Control Requirements in §130.2(c)**

01	02
Name or Symbol	Description of exempt luminaire in accordance with the exemptions

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance April 2016

STATE OF CALIFORNIA  
**OUTDOOR LIGHTING**  
CEC-NRCC-LTO-01-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTO-01-E  
Outdoor Lighting (Page 3 of 4)  
Project Name: DUNPHY PARK IMPROVEMENTS Date Prepared: 8/15/2017

**I. Outdoor Lighting Schedule and Field Inspection Energy Checklist**

01	Luminaire Schedule	02	03 Installed Watts			04	05	06	07	08	09	
			Watts per Luminaire	CCC Default from MAB	CCC Default from MAB (to §130.02)							Number of Luminaires
Name or Item Tag	Complete Luminaire Description								Primary Function area in which these luminaires are installed (Outdoor Lighting Zone)	BUG Rating	Pass	Fail
F1	POLE LIGHTING, FLARED EDGE, BASE FIXTURE, FLAT GLASS LENS, 4500K, 6665 LUMENS, SINGLE ARM MOUNTING CONFIGURATION.		65	<input type="checkbox"/>	<input checked="" type="checkbox"/>	6	390		SITE LIGHTING	UH: UL: FVH: BVH: FH: BH:	<input type="checkbox"/>	<input type="checkbox"/>
F2	POLE LIGHTING, FLARED EDGE, BASE FIXTURE, FLAT GLASS LENS, 4500K, 6665 LUMENS, DOUBLE ARM MOUNTING CONFIGURATION.		130	<input type="checkbox"/>	<input checked="" type="checkbox"/>	6	780		SITE LIGHTING	UH: UL: FVH: BVH: FH: BH:	<input type="checkbox"/>	<input type="checkbox"/>
INSTALLED WATTS PAGE TOTAL:									1170	Enter sum total of all pages (Sum Total INSTALLED Outdoor lighting wattage) into NRCC-LTO-01-E, Page 1.		1170

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance April 2016

STATE OF CALIFORNIA  
**OUTDOOR LIGHTING**  
CEC-NRCC-LTO-01-E (Revised 04/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTO-01-E  
Outdoor Lighting (Page 4 of 4)  
Project Name: DUNPHY PARK IMPROVEMENTS Date Prepared: 8/15/2017

**DOCUMENTATION AUTHOR'S DECLARATION STATEMENT**

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: MARIA NAZAR NAIM  
Signature Date: 8/15/2017  
Company: ENGINEERING 350 LLC  
Address: 256 MOULTON ST  
City/State/Zip: SAN FRANCISCO, CA 94123  
Phone: 415-354-0006

**RESPONSIBLE PERSON'S DECLARATION STATEMENT**

I certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
- The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
- The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: DANIEL CASTRO  
Signature Date: 8/15/2017  
Company: ENGINEERING 350 LLC  
Address: 256 MOULTON ST  
City/State/Zip: SAN FRANCISCO, CA 94123  
Phone: 415-354-0006

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance April 2016

STATE OF CALIFORNIA  
**OUTDOOR LIGHTING CONTROLS**  
CEC-NRCC-LTO-02-E (Revised 08/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTO-02-E  
Outdoor Lighting Controls (Page 1 of 3)  
Project Name: DUNPHY PARK IMPROVEMENTS Date Prepared: 8/15/2017

**A. Mandatory Outdoor Lighting Control Declaration Statements**

Check all that apply:

- Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with §110.9(a).
- Lighting shall be controlled by a lighting control system or energy management control system in accordance with §110.9. An Installation Certificate shall be submitted in accordance with §130.4(b).
- All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with §130.0(d).
- Part-Night Outdoor Lighting Controls, as defined in Section 100.1(b), shall meet the requirements in Section 110.9(b)(5).
- All outdoor incandescent luminaires rated over 100 watts, determined in accordance with Section 130.0(c), shall be controlled by a motion sensor.
- All outdoor luminaires rated for use with lamps greater than 150 lamp watts, determined in accordance with Section 130.0(c), shall comply with Uplight and Glare requirements in accordance with Section 130.2(b).
- All installed outdoor lighting shall be controlled by a photocontrol or outdoor astronomical time-switch control, or other control capable of automatically switching OFF in accordance with Section 130.2(c)(1).
- All installed outdoor lighting shall be circuited and independently controlled from other electrical loads by an automatic scheduling control in accordance with Section 130.2(c)(2).
- All installed outdoor lighting, where the bottom of the luminaire is mounted 24 feet or less above the ground, shall be controlled with automatic lighting controls in accordance with Section 130.2(c)(3).
- For Outdoor Sales Frontage, an automatic lighting control shall be installed in accordance with Section 130.2(c)(4).
- For Building Facade, Ornamental Hardscape and Outdoor Dining lighting, an automatic lighting control shall be installed in accordance with Section 130.2(c)(5).
- Before an occupancy permit is granted for the newly constructed building or for the addition, or for any altered outdoor lighting controls, shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with §130.4(a). Outdoor lighting controls shall comply with the applicable requirements of Section 130.2(c) and Reference Nonresidential Appendix NA7.8.

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance August 2016

STATE OF CALIFORNIA  
**OUTDOOR LIGHTING CONTROLS**  
CEC-NRCC-LTO-02-E (Revised 08/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTO-02-E  
Outdoor Lighting Controls (Page 2 of 3)  
Project Name: DUNPHY PARK IMPROVEMENTS Date Prepared: 8/15/2017

**B. Mandatory Outdoor Lighting Control Schedule and Field Inspection Checklist**

01	02	03	04	05	06	07	08	09	10	11	Standards Complying With (✓ all that apply, or leave empty if Exempted)		Field Inspector				
											Pass	Fail					
Location and Application of Luminaires Being Controlled	Type/Description of Lighting Control (i.e. outdoor motion sensor, outdoor photocontrol, outdoor astronomical time-switch control, automatic scheduling control, part-night outdoor lighting control)	# of Units	(1)(2)(3)(4)	(1)(2)(3)(4)	(1)(2)(3)(4)	(1)(2)(3)(4)	(1)(2)(3)(4)	(1)(2)(3)(4)	(1)(2)(3)(4)	(1)(2)(3)(4)	(1)(2)(3)(4)	(1)(2)(3)(4)	(1)(2)(3)(4)	(1)(2)(3)(4)	(1)(2)(3)(4)	(1)(2)(3)(4)	(1)(2)(3)(4)
SITE LIGHTING	OUTDOOR PHOTOCONTROL, TIME CONTROL	1		*	*	*											

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance August 2016



PROJECT/CLIENT NAME

## Dunphy Park

200 Napa Street  
Sausalito, CA 94965

Owner:  
City of Sausalito  
420 Litho St.  
Sausalito, CA 94965

RHAA PROJECT NUMBER

16042A

CONSULTANT



engineering 350 lic  
256 moulton street  
san francisco, ca 94123  
T:415-328-1450  
www.engineering350.com

SUBMITTAL

## Permit Submittal

DATE

21 August 2017

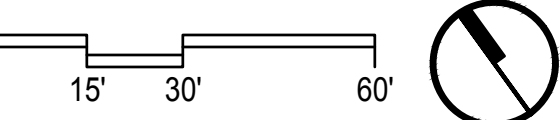
REVISIONS

No.	Date	Description

REGISTRATION AND SIGNATURE



SCALE 1" = 30'-0"



SHEET TITLE

## ELECTRICAL SITE PLAN

DRAWN BY: KZ CHECKED BY:

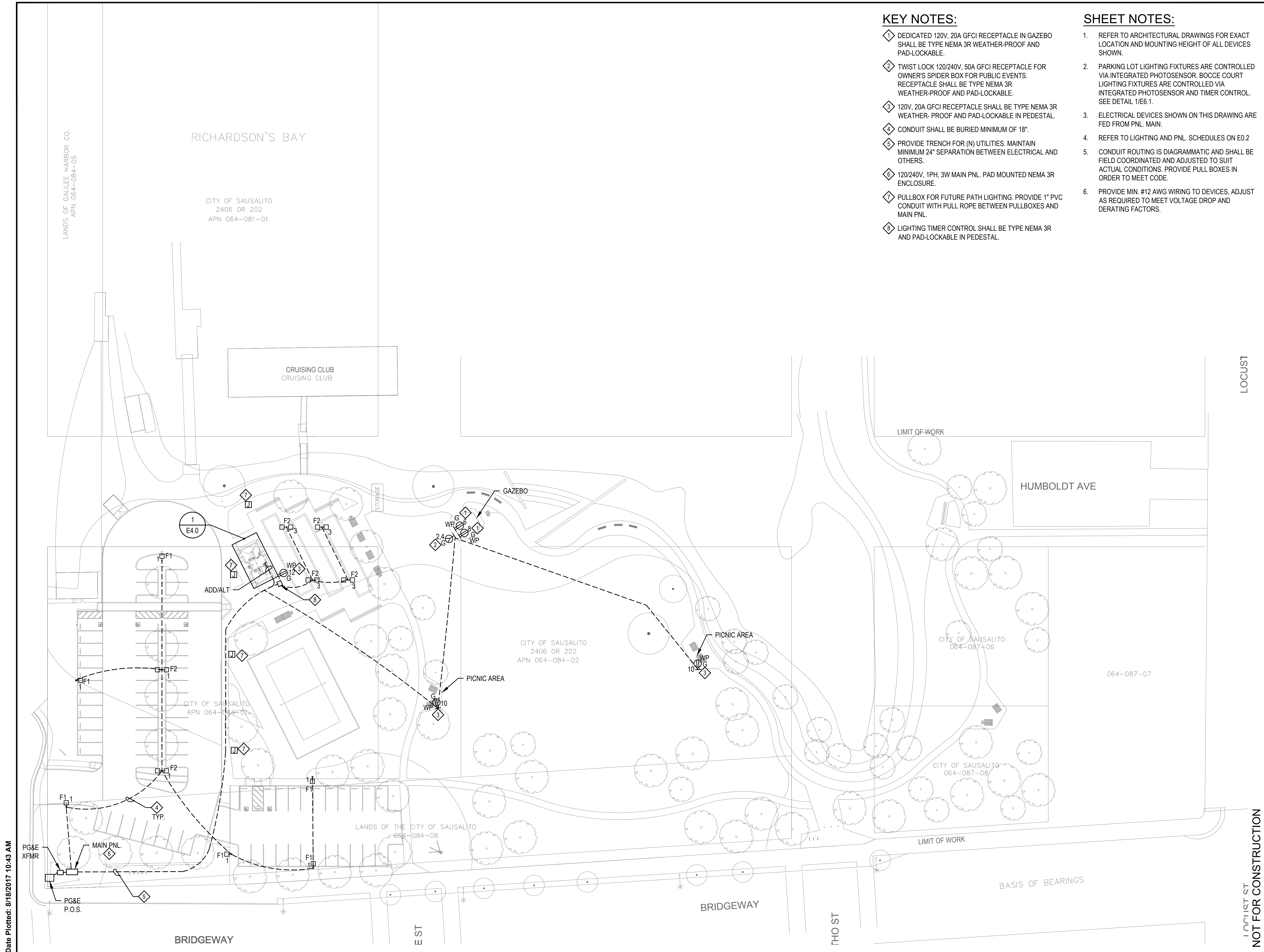
E2.0

### KEY NOTES:

- 1 DEDICATED 120V, 20A GFCI RECEPTACLE IN GAZEBO SHALL BE TYPE NEMA 3R WEATHER-PROOF AND PAD-LOCKABLE.
- 2 TWIST LOCK 120/240V, 50A GFCI RECEPTACLE FOR OWNER'S SPIDER BOX FOR PUBLIC EVENTS. RECEPTACLE SHALL BE TYPE NEMA 3R WEATHER-PROOF AND PAD-LOCKABLE.
- 3 120V, 20A GFCI RECEPTACLE SHALL BE TYPE NEMA 3R WEATHER-PROOF AND PAD-LOCKABLE IN PEDESTAL.
- 4 CONDUIT SHALL BE BURIED MINIMUM OF 18".
- 5 PROVIDE TRENCH FOR (N) UTILITIES. MAINTAIN MINIMUM 24" SEPARATION BETWEEN ELECTRICAL AND OTHERS.
- 6 120/240V, 1PH, 3W MAIN PNL. PAD MOUNTED NEMA 3R ENCLOSURE.
- 7 PULLBOX FOR FUTURE PATH LIGHTING. PROVIDE 1" PVC CONDUIT WITH PULL ROPE BETWEEN PULLBOXES AND MAIN PNL.
- 8 LIGHTING TIMER CONTROL SHALL BE TYPE NEMA 3R AND PAD-LOCKABLE IN PEDESTAL.

### SHEET NOTES:

1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTING HEIGHT OF ALL DEVICES SHOWN.
2. PARKING LOT LIGHTING FIXTURES ARE CONTROLLED VIA INTEGRATED PHOTOSENSOR. BOCCO COURT LIGHTING FIXTURES ARE CONTROLLED VIA INTEGRATED PHOTOSENSOR AND TIMER CONTROL. SEE DETAIL 1/E6.1.
3. ELECTRICAL DEVICES SHOWN ON THIS DRAWING ARE FED FROM PNL. MAIN.
4. REFER TO LIGHTING AND PNL. SCHEDULES ON E0.2
5. CONDUIT ROUTING IS DIAGRAMMATIC AND SHALL BE FIELD COORDINATED AND ADJUSTED TO SUIT ACTUAL CONDITIONS. PROVIDE PULL BOXES IN ORDER TO MEET CODE.
6. PROVIDE MIN. #12 AWG WIRING TO DEVICES, ADJUST AS REQUIRED TO MEET VOLTAGE DROP AND DERATING FACTORS.



Date Plotted: 8/18/2017 10:43 AM

LOCUST ST  
NOT FOR CONSTRUCTION

PROJECT/CLIENT NAME

## Dunphy Park

200 Napa Street  
Sausalito, CA 94965

Owner:  
City of Sausalito  
420 Litho St.  
Sausalito, CA 94965

RHAA PROJECT NUMBER

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SUBMITTAL

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DATE

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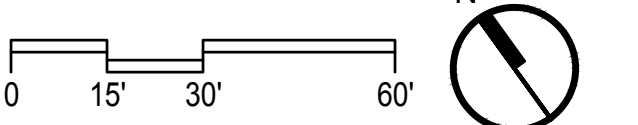
REVISIONS

No.	Date	Description

REGISTRATION AND SIGNATURE



SCALE 1/4" = 1'-0"



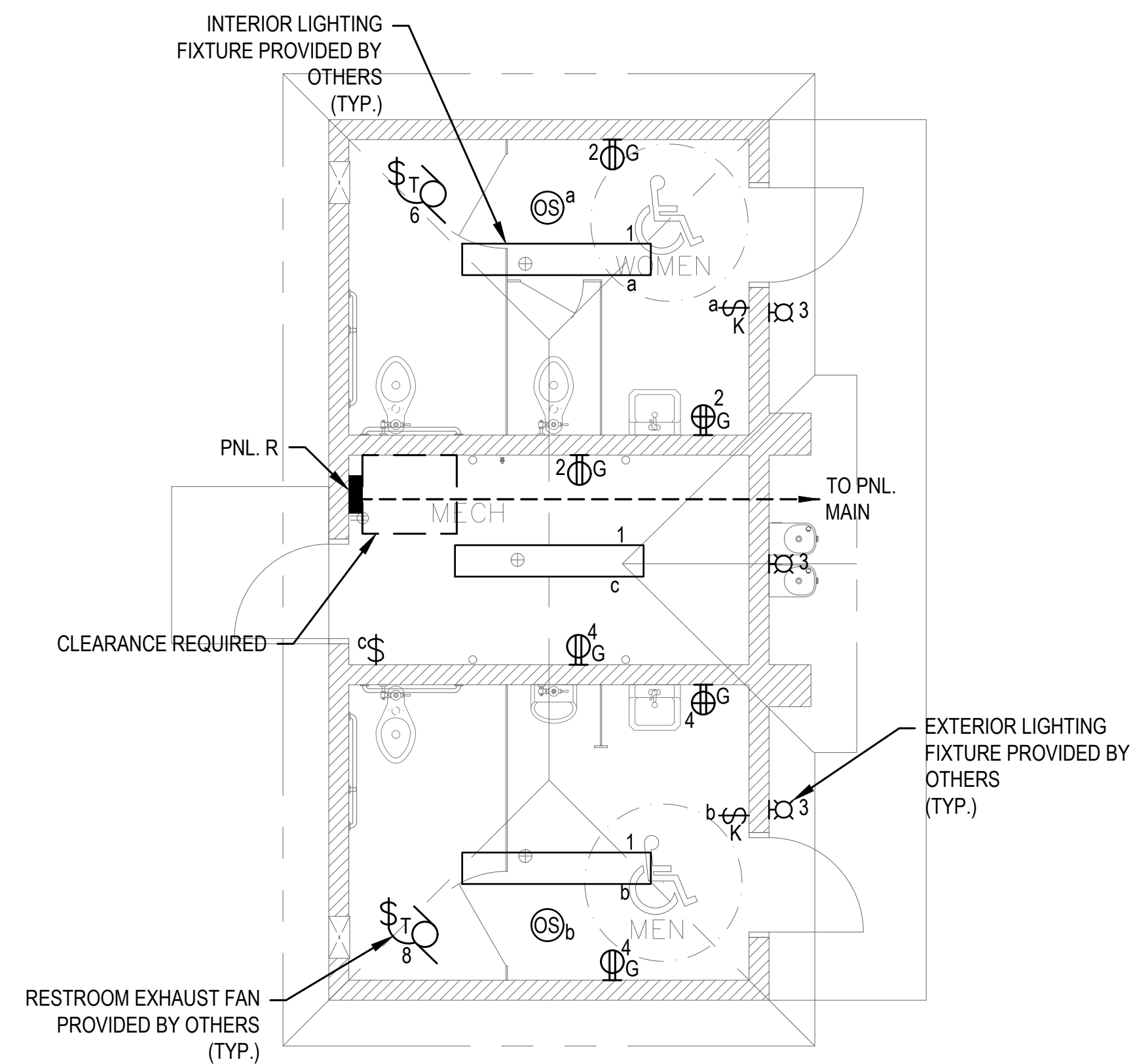
SHEET TITLE

ELECTRICAL  
RESTROOM PLAN  
(ADD/ALT)

DRAWN BY: KZ CHECKED BY:

### SHEET NOTES:

1. REFER TO RESTROOM MANUFACTURER DRAWINGS FOR TYPE, EXACT LOCATION AND MOUNTING HEIGHT OF DEVICES SHOWN.
2. LIGHTING FIXTURES AND RECEPTACLES ARE PROVIDED BY RESTROOM MANUFACTURER. CONTRACTOR SHALL PROVIDE WIRING AND CONDUIT FROM PNL. TO DEVICES.
3. ELECTRICAL DEVICES SHOWN ON THIS DRAWING ARE FED FROM PNL. R LOCATED IN RESTROOM UTILITY ROOM.
4. REFER TO E0.2 FOR PNL. SCHEDULE.
5. EXTENSION OF CIRCUIT FROM PNL. MAIN TO PNL. R FOR RESTROOM BUILDING SHALL BE PROVIDED BY CONTRACTOR. COORDINATE LOCATION OF LOADS WITH RESTROOM MANUFACTURER.



NOT FOR CONSTRUCTION

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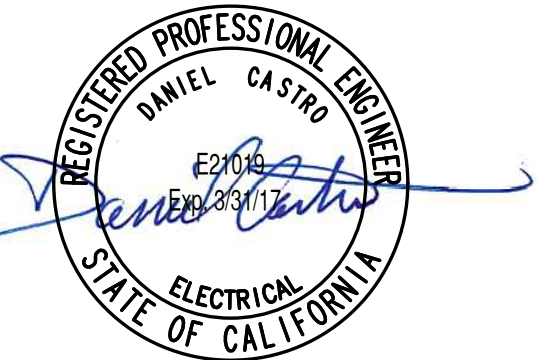
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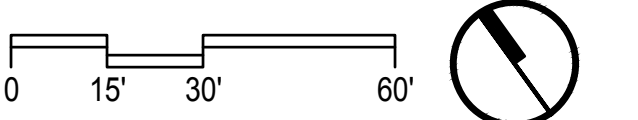
REVISIONS

No.	Date	Description

REGISTRATION AND SIGNATURE



SCALE NONE



SHEET TITLE

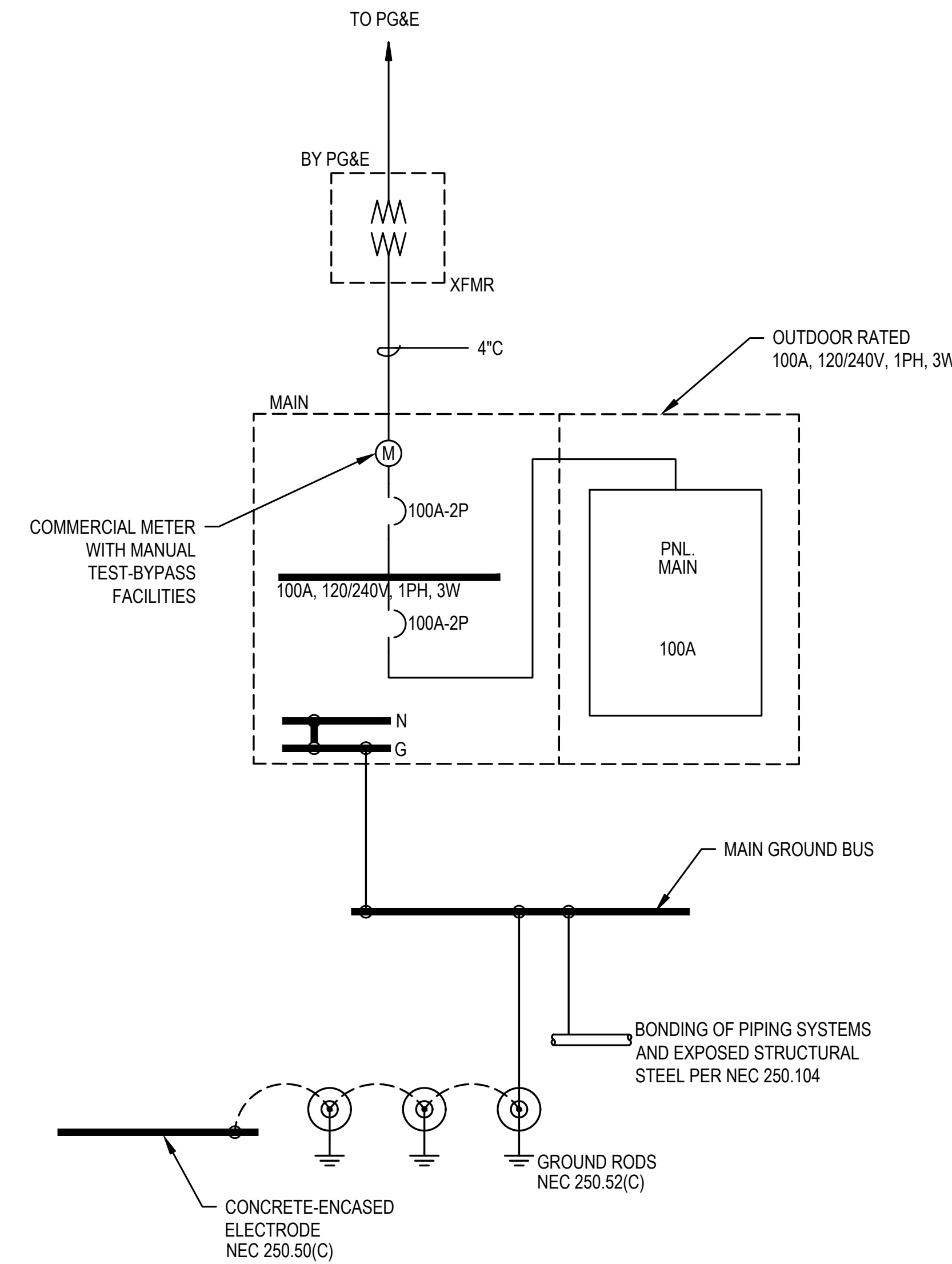
### ELECTRICAL DIAGRAMS

DRAWN BY: KZ CHECKED BY:

E5.1

### SHEET NOTES:

- REFER TO SHEET E0.2 EQUIPMENT CONNECTION SCHEDULE FOR WIRING SCHEDULE.
- PROVIDE CONCRETE ENCASED GROUNDING ELECTRODE CONDUCTOR IN ACCORDANCE WITH CEC TABLE 250.66. PROVIDE 1/0 KCMIL COPPER ELECTRODE CONDUCTOR. PROVIDE A SEPARATELY DERIVED BONDING JUMPER FROM BUILDING STEEL AND UNDERGROUND WATER PIPES.



PROJECT/CLIENT NAME

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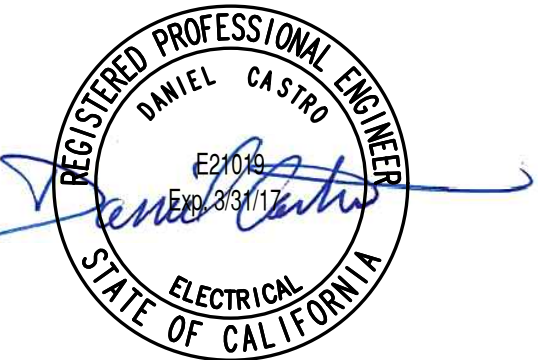
DATE

21 August 2017

REVISIONS

No.	Date	Description

REGISTRATION AND SIGNATURE



SCALE NONE

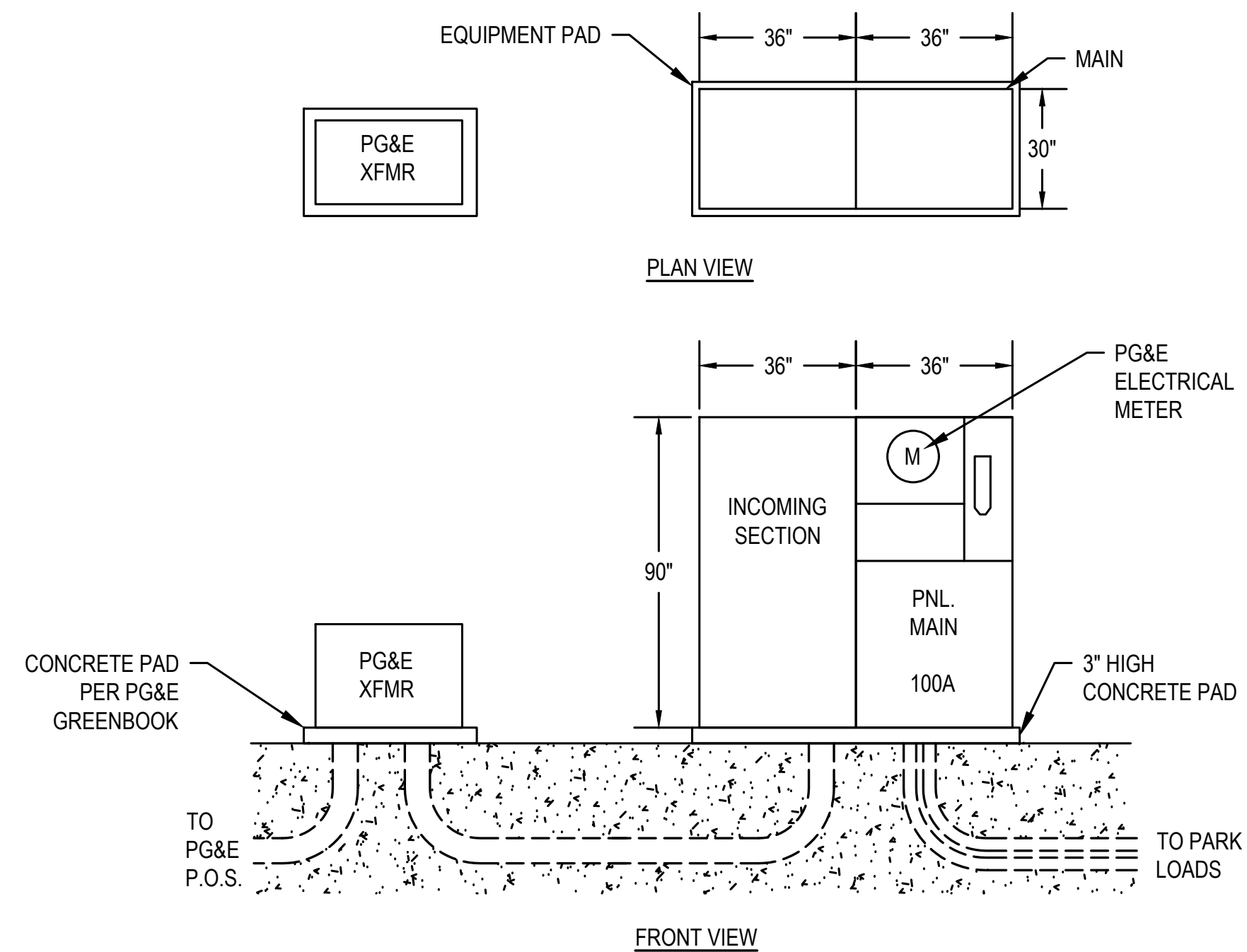


SHEET TITLE

### ELECTRICAL DETAILS

DRAWN BY: KZ CHECKED BY:

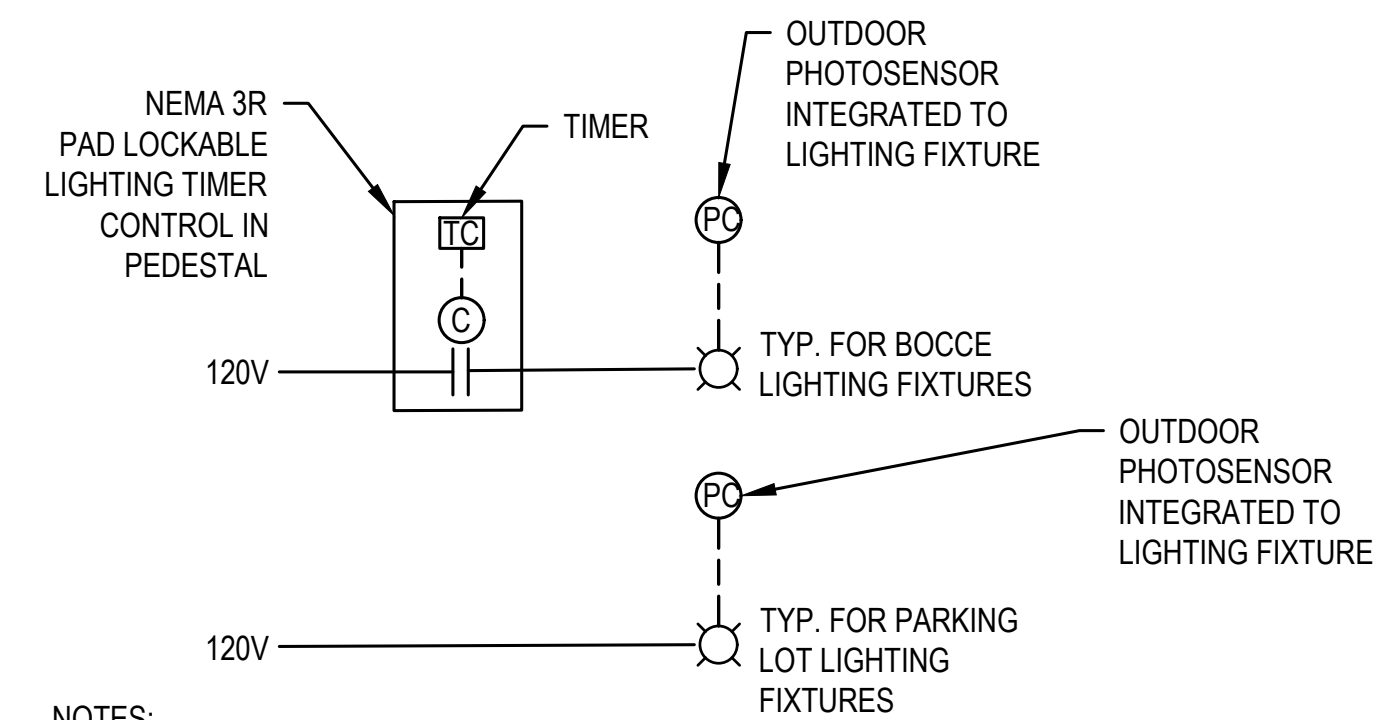
E6.1



- NOTES:
- EQUIPMENT ENCLOSURE SHALL BE PAD LOCKABLE.
  - COORDINATE XFMR DIMENSIONS WITH PG&E.
  - EQUIPMENT PAD SHALL BE COORDINATED WITH EQUIPMENT MANUFACTURER. RETAIN STRUCTURAL FOR APPROVAL.

## 2 ELECTRICAL SERVICE EQUIPMENT DETAIL

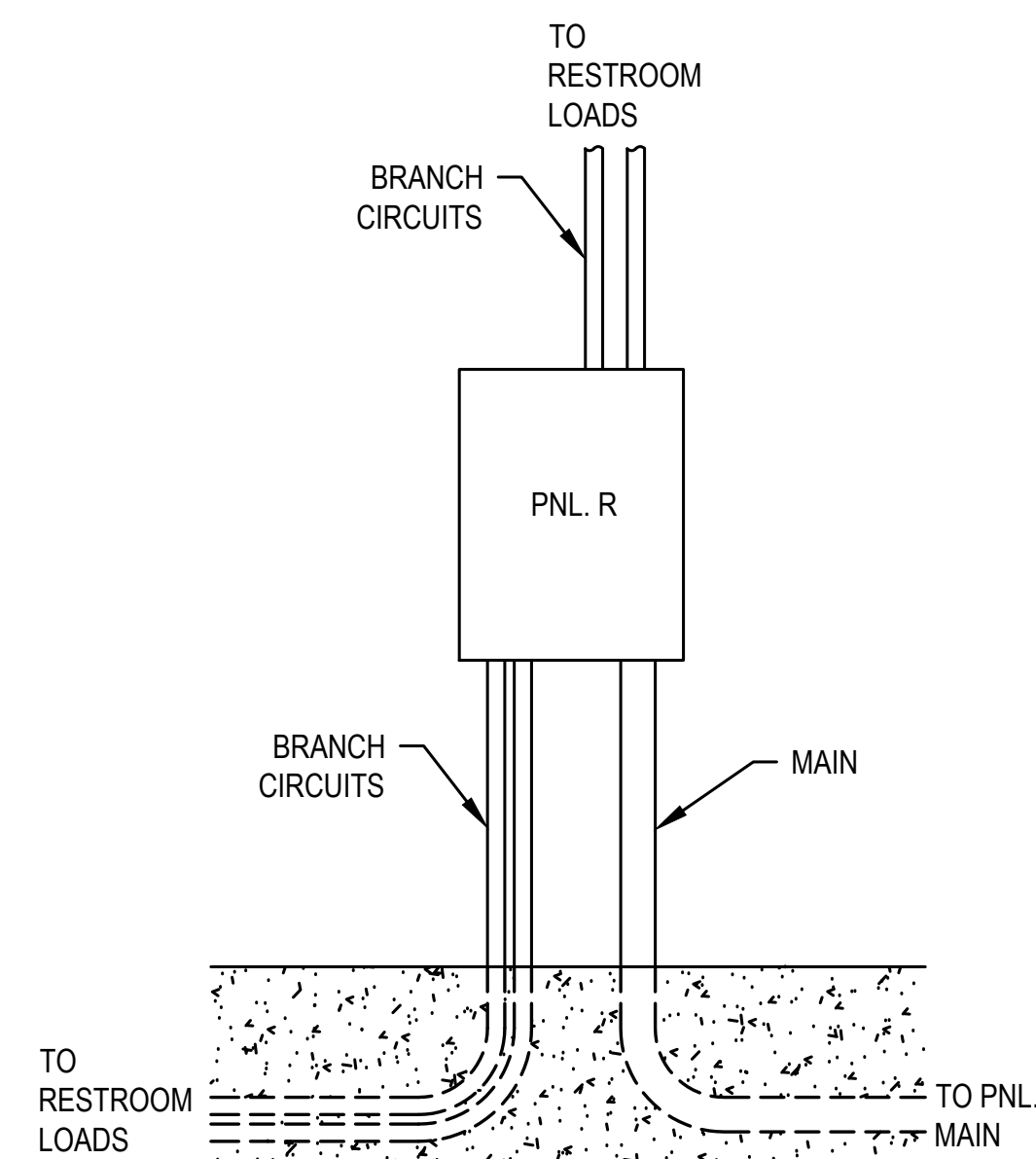
SCALE: NONE



- NOTES:
- PARKING LOT LIGHTING FIXTURES: LIGHTS SHALL TURN ON AT DUSK AND TURN OFF WHEN DAYLIGHT IS AVAILABLE.
  - BOCCE COURT LIGHTING FIXTURES: LIGHTS SHALL TURN ON AT DUSK AND TURN OFF AT A PRE-PROGRAMMED TIME. COORDINATE WITH OWNER FOR TIME SCHEDULING

## 1 EXTERIOR LIGHTING CONTROL DIAGRAM

SCALE: NONE

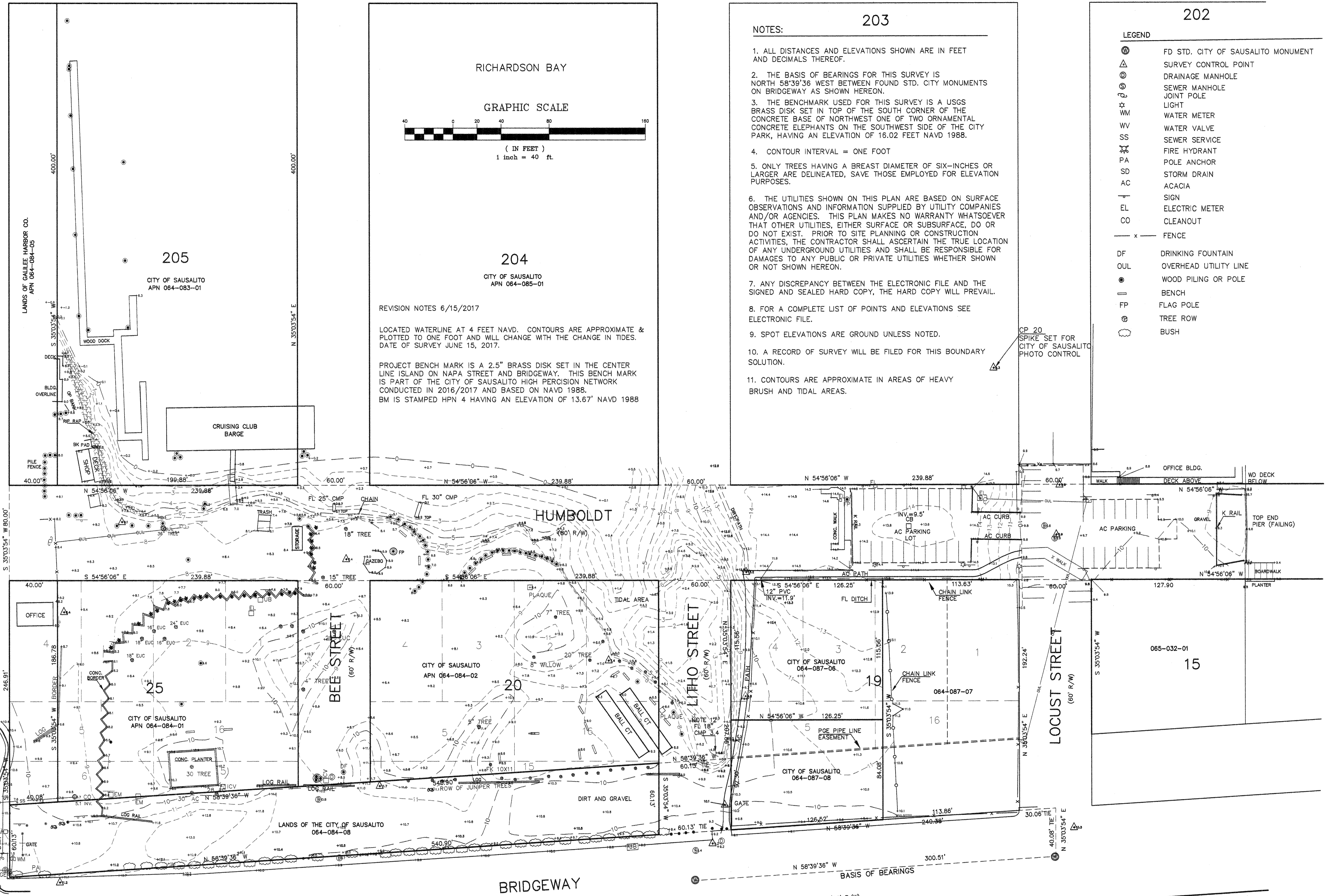
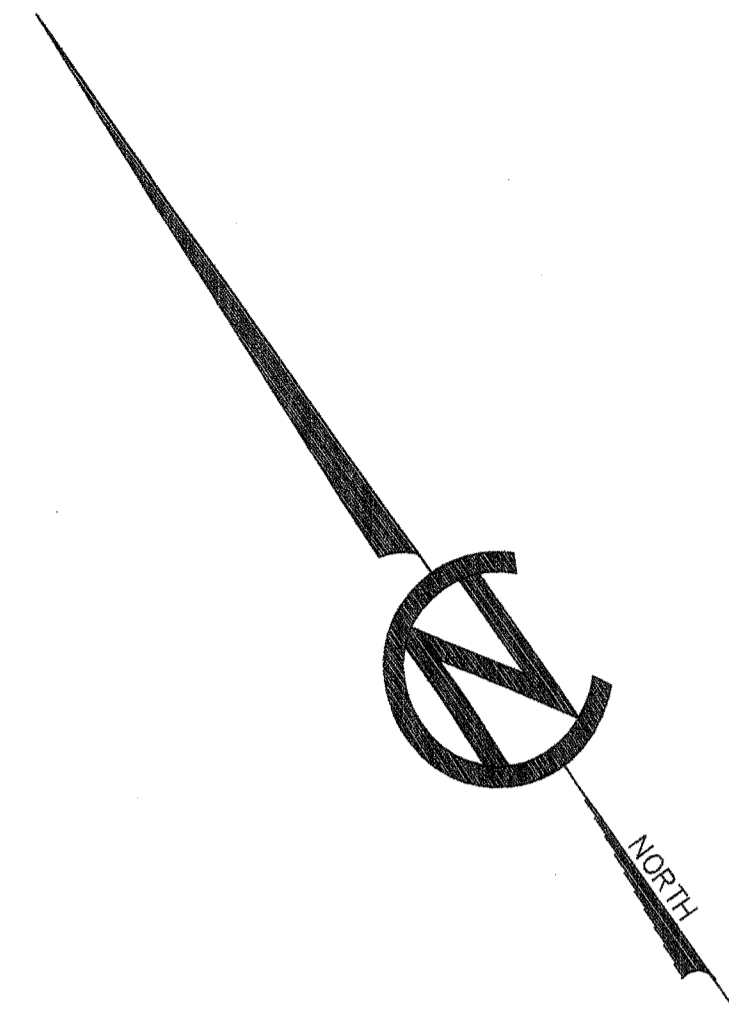


## 3 RESTROOM PANELBOARD DETAIL (ADD/ALT)

SCALE: NONE

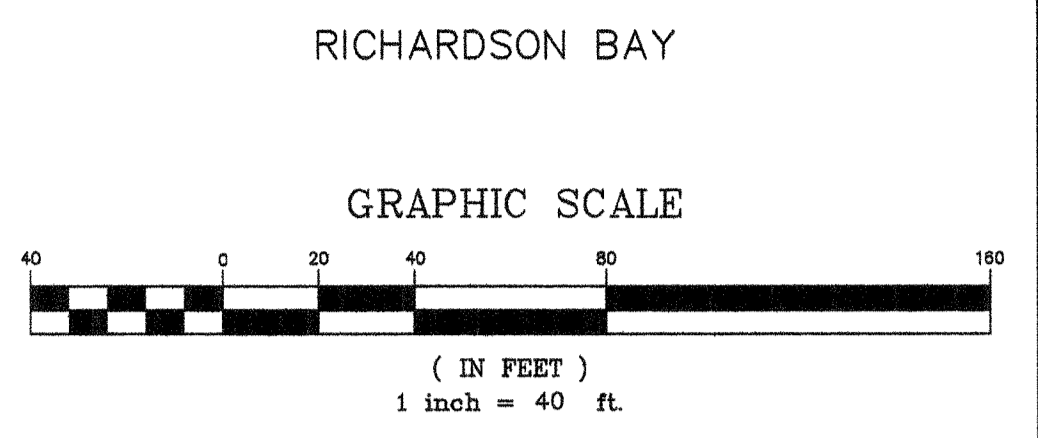
NOT FOR CONSTRUCTION





- NOTES:**
1. ALL DISTANCES AND ELEVATIONS SHOWN ARE IN FEET AND DECIMALS THEREOF.
  2. THE BASIS OF BEARINGS FOR THIS SURVEY IS NORTH 58°39'36" WEST BETWEEN FOUND STD. CITY MONUMENTS ON BRIDGEWAY AS SHOWN HEREON.
  3. THE BENCHMARK USED FOR THIS SURVEY IS A USGS BRASS DISK SET IN TOP OF THE SOUTH CORNER OF THE CONCRETE BASE OF NORTHWEST ONE OF TWO ORNAMENTAL CONCRETE ELEPHANTS ON THE SOUTHWEST SIDE OF THE CITY PARK, HAVING AN ELEVATION OF 16.02 FEET NAVD 1988.
  4. CONTOUR INTERVAL = ONE FOOT
  5. ONLY TREES HAVING A BREAST DIAMETER OF SIX-INCHES OR LARGER ARE DELINEATED, SAVE THOSE EMPLOYED FOR ELEVATION PURPOSES.
  6. THE UTILITIES SHOWN ON THIS PLAN ARE BASED ON SURFACE OBSERVATIONS AND INFORMATION SUPPLIED BY UTILITY COMPANIES AND/OR AGENCIES. THIS PLAN MAKES NO WARRANTY WHATSOEVER THAT OTHER UTILITIES, EITHER SURFACE OR SUBSURFACE, DO OR DO NOT EXIST. PRIOR TO SITE PLANNING OR CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL ASCERTAIN THE TRUE LOCATION OF ANY UNDERGROUND UTILITIES AND SHALL BE RESPONSIBLE FOR DAMAGES TO ANY PUBLIC OR PRIVATE UTILITIES WHETHER SHOWN OR NOT SHOWN HEREON.
  7. ANY DISCREPANCY BETWEEN THE ELECTRONIC FILE AND THE SIGNED AND SEALED HARD COPY, THE HARD COPY WILL PREVAIL.
  8. FOR A COMPLETE LIST OF POINTS AND ELEVATIONS SEE ELECTRONIC FILE.
  9. SPOT ELEVATIONS ARE GROUND UNLESS NOTED.
  10. A RECORD OF SURVEY WILL BE FILED FOR THIS BOUNDARY SOLUTION.
  11. CONTOURS ARE APPROXIMATE IN AREAS OF HEAVY BRUSH AND TIDAL AREAS.

- LEGEND**
- ⊙ FD STD. CITY OF SAUSALITO MONUMENT
  - ⊕ SURVEY CONTROL POINT
  - ⊖ DRAINAGE MANHOLE
  - ⊗ SEWER MANHOLE
  - ⊙ JOINT POLE
  - ⊙ LIGHT
  - ⊙ WM WATER METER
  - ⊙ WV WATER VALVE
  - ⊙ SS SEWER SERVICE
  - ⊙ FHY FIRE HYDRANT
  - ⊙ PA POLE ANCHOR
  - ⊙ SD STORM DRAIN
  - ⊙ AC ACACIA
  - ⊙ SIGN
  - ⊙ EL ELECTRIC METER
  - ⊙ CO CLEANOUT
  - FENCE
  - DF DRINKING FOUNTAIN
  - OUL OVERHEAD UTILITY LINE
  - ⊙ WOOD PILING OR POLE
  - ⊙ BENCH
  - ⊙ FP FLAG POLE
  - ⊙ TREE ROW
  - ⊙ BUSH



**204**  
CITY OF SAUSALITO  
APN 064-085-01

REVISION NOTES 6/15/2017

LOCATED WATERLINE AT 4 FEET NAVD. CONTOURS ARE APPROXIMATE & PLOTTED TO ONE FOOT AND WILL CHANGE WITH THE CHANGE IN TIDES. DATE OF SURVEY JUNE 15, 2017.

PROJECT BENCH MARK IS A 2.5" BRASS DISK SET IN THE CENTER LINE ISLAND ON NAPA STREET AND BRIDGEWAY. THIS BENCH MARK IS PART OF THE CITY OF SAUSALITO HIGH PRECISION NETWORK CONDUCTED IN 2016/2017 AND BASED ON NAVD 1988. BM IS STAMPED HPN 4 HAVING AN ELEVATION OF 13.67' NAVD 1988

**205**  
CITY OF SAUSALITO  
APN 064-083-01

LANDS OF GALLEY HARBOR CO.  
APN 064-084-05

WOOD DOCK

CRUISING CLUB BARGE

NAPA STREET

BEE STREET

LITHO STREET

LOCUST STREET

BRIDGEWAY

PREPARED BY:  
*Linda A. Carruthers*  
LINDA A. CARRUTHERS  
PLS 7053

6-17-17



PROJECT BM HPN 4  
ELEV. = 13.67 NAVD 1988

NO.	DATE	DESCRIPTION
7		
6		
5		
4		
3	6/15/17	LOCATE WATERLINE AT 4 FEET - SEE NOTE
2	12/09/13	ADD SEWER LOCATED BY CITY CREW
1	12/05/12	ADD CMP AT BEACH

LINDA A. CARRUTHERS & ASSOCIATES  
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3030 BRIDGEWAY, STE. 132, SAUSALITO, CA 94965  
(415) 332-3912  
www.lindacarruthers.com

**CITY OF SAUSALITO**

ASSESSORS PARCEL NUMBERS  
064-084-01 & 02 & 08  
064-087-06 & 08  
064-083-01

**BOUNDARY AND TOPOGRAPHIC SURVEY**

**DUNPHY PARK AND VICINITY**