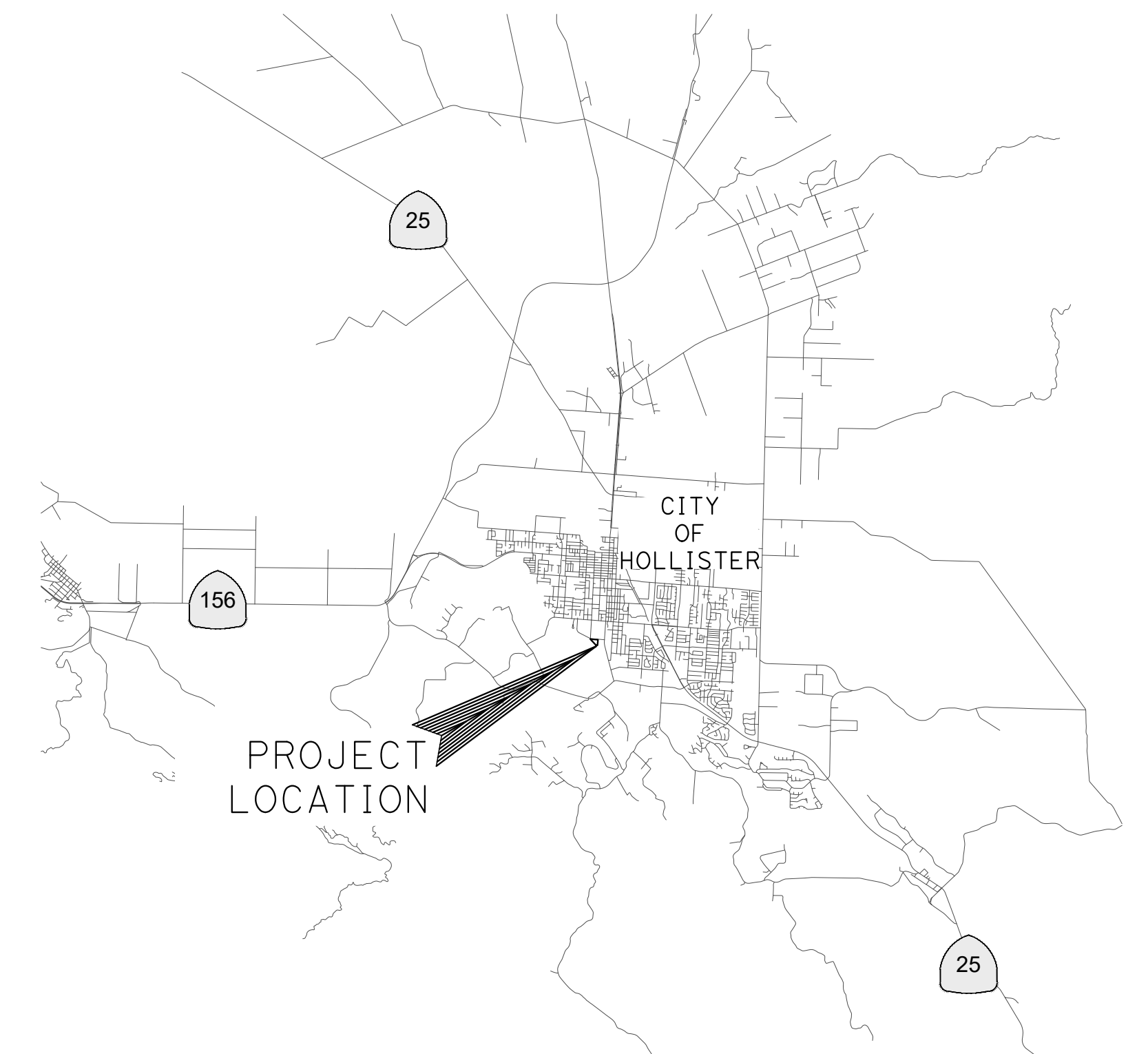


**COUNTY OF SAN BENITO
DEPARTMENT OF PUBLIC WORKS**

**PROJECT PLANS FOR CONSTRUCTION OF
RIVERVIEW REGIONAL PARK
PARKING LOT**

**IN THE COUNTY OF SAN BENITO
PWB-2201**

Sheet List Table		
Sheet Number	SHEET ID	Sheet Title
1	T-1	TITLE SHEET
2	GN-1	GENERAL NOTES
3	L-1	SITE PLAN/HORIZONTAL CONTROL
4	G-1	GRADING PLAN
5	WPC-1	TEMPORARY WATER POLLUTION CONTROL PLAN
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10 - 11	PP-1.0 TO PP-1.1	PLANTING PLAN AND DETAILS - BID ALTERNATIVE
12 - 14	IR-2.0 TO IR-2.2	IRRIGATION PLAN AND DETAILS - BID ALTERNATIVE



VICINITY MAP
NO SCALE



LOCATION MAP
NO SCALE

COUNTY OF SAN BENITO

Michael D Chambless 2/14/2022
MICHAEL CHAMBLESS DATE
RMA DIRECTOR

Steve Loupe 2/11/22
STEVE LOUPE, PE DATE
RCE 63575
COUNTY ENGINEER



Know what's below.
Call before you dig.

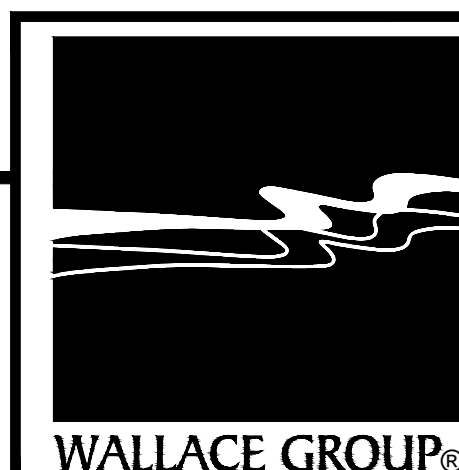
THE COUNTY OF SAN BENITO & WALLACE GROUP OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THESE PLANS.

FILE NAME: 1274-0009-TITLE.DWG
PLOT DATE: 1/7/2022 2:12 PM BY: MICHAEL HAUSMAN



COUNTY OF SAN BENITO
DEPARTMENT OF PUBLIC WORKS
2301 TECHNOLOGY PARKWAY
HOLLISTER, CA 95023

SCALE: HORIZ: N/A
VERT: N/A
ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS
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612 CLARION COURT
SAN LUIS OBISPO, CA 93401
T 805 544-4011 F 805 544-4294
www.wallacegroup.us

Esau Blanco
PROJECT ENGINEER
2/11/22
PLANS APPROVAL DATE



REVISIONS						
NO.	BY	DATE	DESCRIPTION	APPROVED BY	DATE	
△						
△						
△						
△						

ACCEPTED BY:
Steve Loupe County Engineer 2/11/22
NAME TITLE DATE
RCE: 63575

RIVERVIEW REGIONAL PARK PARKING LOT TITLE SHEET						
						T-1
DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	DATE	SHEET	OF
MJH	MJH	EB	1274-0009	1/7/2022	1	14

GENERAL NOTES

1. WORK SHALL BE PERFORMED IN ACCORDANCE WITH 2018 CALTRANS STANDARD PLANS, SPECIFICATIONS AND REVISED STD SPECIFICATIONS DATED APRIL 16, 2021.
2. THE CONTRACTOR SHALL POSSESS THE CLASS OR CLASSES OF LICENSE AS SPECIFIED IN THE "NOTICE INVITING SEALED BIDS".
3. THE CONTRACTOR SHALL COORDINATE THE WORK WITH UTILITY AGENCIES AND PRIVATE LANDOWNER USERS, AS WELL AS OTHER CONSTRUCTION WORK IN THE AREA.
4. THE CONTRACTOR SHALL NOT START WORK UNTIL A NOTICE TO PROCEED IS ISSUED BY THE COUNTY ENGINEER.
5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL PERMITS NECESSARY TO PERFORM THE WORK SHOWN ON THESE PLANS FROM THE APPROPRIATE AGENCIES.
6. THE CONTRACTOR SHALL PRACTICE SAFETY AT ALL TIMES AND SHALL FURNISH, ERECT, AND MAINTAIN SUCH FENCES, BARRICADES, LIGHTS AND SIGNS NECESSARY TO GIVE ADEQUATE PROTECTION TO THE PUBLIC AT ALL TIMES.
7. THE CONTRACTOR SHALL PROVIDE ALL AS-BUILT REVISIONS PRIOR TO THE ACCEPTANCE OF IMPROVEMENTS BY THE COUNTY.
8. THE CONTRACTOR SHALL HAVE COPIES OF THE APPROVED PLANS AND SPECIFICATIONS FOR THIS PROJECT ON THE SITE AT ALL TIMES AND CONTRACTOR SHALL BE FAMILIAR WITH ALL APPLICABLE DETAILS, STANDARDS AND SPECIFICATIONS.
9. THE CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT INCLUDING SAFETY OF ALL PERSONS, VEHICLES TRAVELING THROUGH THE SITE, AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THE PROJECT. EXEMPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE COUNTY OR ENGINEER.
10. SHOULD IT APPEAR THAT THE WORK TO BE DONE OR ANY MATTER RELATIVE THERETO IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL REQUEST IN WRITING FROM THE ENGINEER SUCH FURTHER EXPLANATIONS AS MAY BE NECESSARY PRIOR TO THE COMMENCEMENT OF SAID WORK.

ENVIRONMENTAL NOTES

11. THE CONTRACTOR SHALL UTILIZE BEST MANAGEMENT PRACTICES (BMP) FOR WATER POLLUTION CONTROL IN ACCORDANCE WITH THE COUNTY'S STATE WATER CONTROL BOARD PERMIT, AND AS DIRECTED BY THE ENGINEER.
12. THE CONTRACTOR SHALL TAKE EFFECTIVE MEASURES TO PREVENT THE FORMATION OF AN AIRBORNE DUST NUISANCE AND SHALL BE RESPONSIBLE FOR ANY DAMAGE RESULTING FROM HIS FAILURE TO DO SO.
13. TEMPORARY DRAINAGE INLET PROTECTION (TYPE 4A) SHALL BE INSTALLED AT ALL INLETS WITHIN PROJECT VICINITY PER CALTRANS STANDARD PLAN T62.

SURVEY NOTES

14. THE CONTRACTOR SHALL PROTECT EXISTING SURVEY MONUMENTS. IF CONTRACTOR OPERATIONS DAMAGE SURVEY MONUMENTS THE CONTRACTOR SHALL REPLACE THEM IN PLACE AND IN KIND AT NO ADDITIONAL COST TO THE COUNTY.
15. THE HORIZONTAL DATUM FOR THIS SURVEY IS THE NORTH AMERICAN DATUM OF 1983, 2011 ADJUSTMENT [NAD83(2011)], EPOCH DATE OF 2010.00.
16. THE PROJECTION USED IS THE CALIFORNIA COORDINATE SYSTEM OF 1983 (CCS83), ZONE 4 PROJECTION.
17. THIS SURVEY TIED TO 3 NATIONAL GEODETIC SURVEY (NGS) CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS). THOSE STATIONS ARE THE NGS POINTS DESIGNATED "P231", HAVING A PUBLISHED POSITION OF: NORTHING 2122326.97', EASTING 5709192.26'; AND "2237", HAVING A PUBLISHED POSITION OF: NORTHING 2123719.94', EASTING 5861453.37' AND "P242" HAVING A PUBLISHED POSITION OF: NORTHING 2239623.44, EASTING 5842017.43. THE RESULTING BEARING FROM "P237" TO "P242" BEING: N 09°31'10" W. THE BEARINGS SHOWN HEREON ARE REFERENCED TO CCS83, ZONE 4 GRID NORTH.
18. ALL MEASUREMENTS LISTED, SHOWN AND REPRESENTED HEREON ARE BASED ON GRID DISTANCES OF THE CALIFORNIA COORDINATE SYSTEM OF 1983 ZONE 4 PROJECTION. THE COMBINED SCALE FACTOR FOR THE PROJECT IS 0.99992834 THIS SCALE FACTOR WAS CALCULATED USING AN ELEVATION OF 301.59 FEET FOR PT. NO. 100. DIVIDE THE DISTANCES HEREON BY THE COMBINED SCALE FACTOR TO OBTAIN GROUND DISTANCES. ALL DISTANCES SHOWN ARE U.S. SURVEY FEET
19. THE CONVERGENCE ANGLE IS: -1°26'05" AT PT. NO. 100.
20. THE ORTHOMETRIC HEIGHTS (ELEVATIONS) ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AND ARE DERIVED CALIFORNIA ORTHOMETRIC HEIGHTS OF 1988 (DERIVED COH88). THE DERIVED COH88 WAS CALCULATED AT POINT NO. 110 USING THE FOLLOWING VALUES: A NAD83 ELLIPSOID HEIGHT OF 379.37 FEET, AND A GEOID12B GEOID HEIGHT OF 108.26 FEET, RESULTING IN A DERIVED COH88 ELEVATION OF 487.63 FEET.
21. THE CONTOUR INTERVAL IS 1 FOOT.
22. ORTHOPHOTOGRAPHY AND AERIAL MAPPING PRODUCED BY: CENTRAL COAST AERIAL MAPPING 710 FIERO LANE #24 SAN LUIS OBISPO, CA 93401 PHONE: (805) 543-4307 PHOTOGRAPHY DATED: 05/13/2021
23. UNDERGROUND UTILITY LOCATIONS ARE PLOTTED BASED ON ABOVE GROUND PAINT MARKS BY OTHERS, ABOVE GROUND SURFACE STRUCTURES. ACTUAL LOCATION MAY DIFFER. ADDITIONAL UNDERGROUND UTILITY LINES MAY EXIST. FOR INFORMATION REGARDING UTILITY LOCATION, SIZE, DEPTH, CONDITION, AND CAPACITY CONTACT UTILITY OR MUNICIPAL/PUBLIC SERVICE FACILITY.
24. UNDERGROUND PIPE SIZES ARE BASED ON VISUAL OBSERVATIONS MADE FROM THE SURFACE AND ARE APPROXIMATE.

TRAFFIC NOTES

25. THE CONTRACTOR SHALL AT ALL TIMES MAINTAIN A MINIMUM OF ONE 10' LANE IN EACH DIRECTION OPEN TO TRAFFIC ON ALL ROADWAYS WITHIN PROJECT LIMITS UNLESS OTHERWISE APPROVED BY THE ENGINEER.
26. TRAFFIC CONTROL PLANS SHALL BE SUBMITTED TO THE COUNTY ENGINEER FOR REVIEW AND APPROVAL A MINIMUM OF TWO WEEKS PRIOR TO COMMENCEMENT OF WORK.
27. ALL TRAFFIC CONTROL DEVICES TO BE INSTALLED SHALL CONFORM TO THE CURRENT EDITION OF THE STATE OF CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CAMUTCD).
28. COMMERCIAL AND RESIDENTIAL ACCESS SHALL BE MAINTAINED AT ALL TIMES.
29. MAINTAIN PEDESTRIAN ACCESS, MINIMUM WIDTH 4 FEET.

UTILITY NOTES

30. THE CONTRACTOR SHALL NOTIFY THE UNDERGROUND SERVICE ALERT (U.S.A.) ONE CALL PROGRAM 811 AND THE COUNTY AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK.
31. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH ALL UTILITY SERVICE PROVIDERS AND COUNTY OF SAN BENITO FOR WORK AFFECTING THEIR FACILITIES.

FOUND MONUMENT COORDINATE TABLE				
PT. NO.	NORTHING	EASTING	ELEV.	DESC.
102	2197803.55	5856413.27	292.5	FD WM RCE 23003
103	2196106.46	5858617.26	307.1	FD WM RCE 14266
104	2195786.00	5858647.50	309.4	FD WM RCE 14266
107	2196287.15	5858669.52	306.8	FD .75IP LS7741 TAC
108	2196238.55	5858666.72	307.1	FD SCR B X FNC FOOTING
110	2190123.72	5869890.13	487.6	FD CITY BM No.10
122	2194389.58	5857696.91	293.2	FD 2IP NT 12__ ILL
123	2194639.72	5857773.92	292.9	FD .75IP PLS 8263
126	2194422.28	5857266.79	282.6	FD .75IP PLS8263
128	2195168.15	5856365.12	272.2	FD .75IP PLS 8263 WL
132	2195874.40	5858046.44	300.9	FD .75IP PLS 7741
133	2195862.83	5858188.64	308.6	FD .75IP PLS 7741 TAC
138	2196242.94	5858596.08	308.6	FD FNC POST MON
145	2197704.17	5857671.30	296.6	FD WM RCE 18764
155	2196095.17	5858193.55	307.3	FD .75IP PLS7741
156	2195330.73	5858349.35	311.1	FD .75IP PLS 7741
157	2195579.60	5858187.72	309.5	FD .75IP PLS 7741
170	2195579.92	5858188.63	308.6	FD 1.5 IP NT RCE1215 DWN24"

ABBREVIATIONS

AB	AGGREGATE BASE
AP	ANGLE POINT
Beg	BEGIN
EG	EXISTING GRADE
Exist	EXISTING
FG	FINISHED GRADE
FL	FLOWLINE
FS	FINISHED SURFACE
GB	GRADE BREAK
HMA	HOT MIX ASPHALT
INV	INVERT
O.C.	ON CENTER
PCC	PORTLAND CEMENT CONCRETE
SDMH	STORM DRAIN MANHOLE
TC	TOP OF CURB
Typ	TYPICAL
Var	VARIES

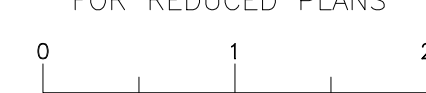
FILE NAME: 1274-0009-TITL.DWG PLOT DATE: 1/7/2022 2:12 PM BY: MICHAEL HAUSMAN



COUNTY OF SAN BENITO
DEPARTMENT OF PUBLIC WORKS
2301 TECHNOLOGY PARKWAY
HOLLISTER, CA 95023

SCALE: HORIZ: N/A
VERT: N/A

ORIGINAL SCALE IN INCHES
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Esau Blanco
PROJECT ENGINEER

2/11/22
PLANS APPROVAL DATE



REVISIONS			
NO.	BY	DATE	DESCRIPTION

ACCEPTED BY:

Steve Loupe County Engineer 2/11/22

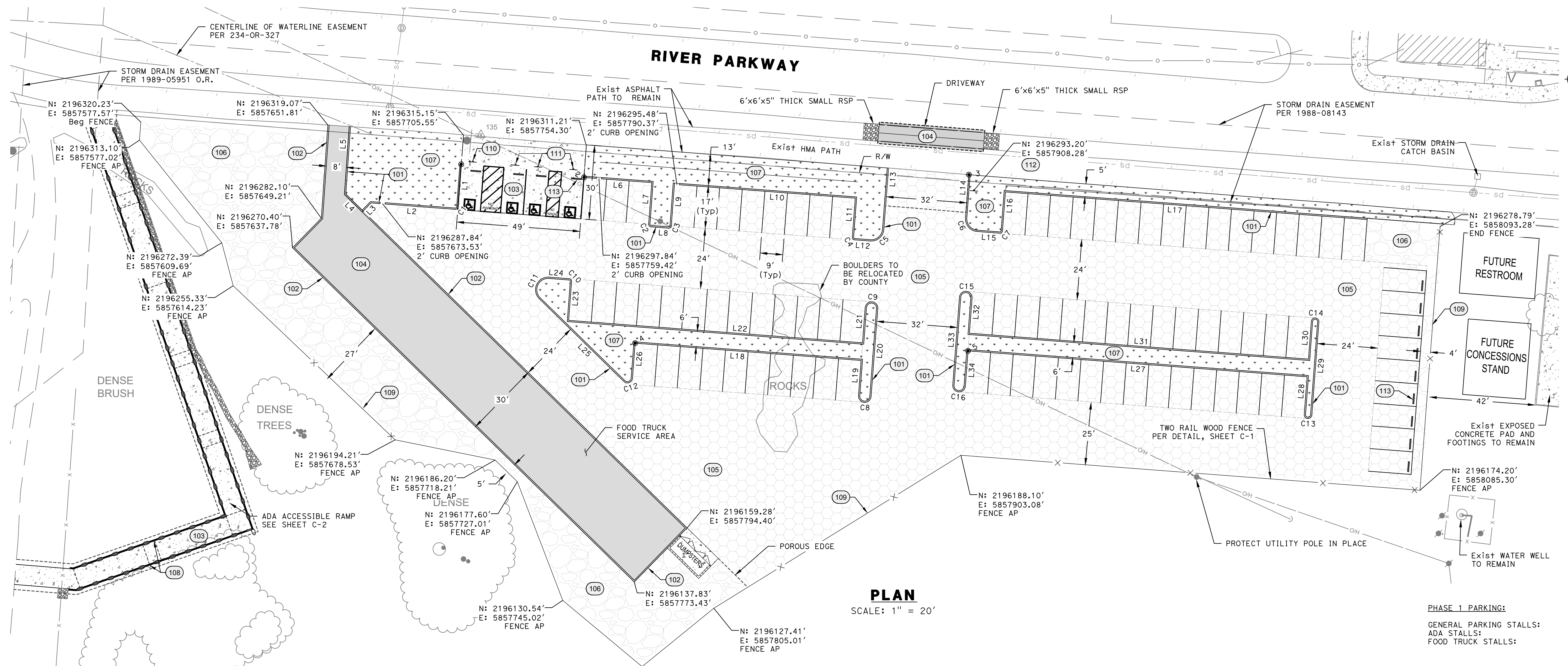
NAME: _____ TITLE: _____ DATE: _____
RCE: 63575

**RIVERVIEW REGIONAL PARK
PARKING LOT
GENERAL NOTES**

GN-1

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	DATE	SHEET	OF
MJH	MJH	EB	1274-0009	1/7/2022	2	14

RIVER PARKWAY



PLAN
SCALE: 1" = 20'

PHASE 1 PARKING:

GENERAL PARKING STALLS:	89
ADA STALLS:	4
FOOD TRUCK STALLS:	5

LEGEND:

	5" PCC WITH #3 @ 18" O.C. BOTH WAYS 6" CLASS 2 AB		TUBULAR HANDRAIL
	3" HMA-LG 6" CLASS 2 AB		TWO-RAIL WOOD FENCE
	POROUS FLEXIBLE PAVING SYSTEM	REFERENCE NOTES	
	4" CLASS 2 AB	101	6" CONCRETE CURB. SEE DETAIL, SHEET C-1.
	LANDSCAPE AREA	102	6" WIDE FLUSH CONCRETE CURB. SEE DETAIL, SHEET C-1.
		110	INSTALL NEW R99C (CA) SIGN AND R7-8b SIGN, MINIMUM 60" CLEARANCE FROM FINISHED GRADE TO BOTTOM OF SIGN.
		111	INSTALL NEW R99C (CA) SIGN, MINIMUM 60" CLEARANCE FROM FINISHED GRADE TO BOTTOM OF SIGN.
		112	INSTALL NEW 30"x30" R1-1 "STOP" SIGN.
		113	INSTALL 4' CONCRETE WHEELSTOP

Line #	Length	Bearing
L1	17.00	S04° 21' 38.97"W
L2	33.53	N85° 38' 21.04"W
L3	5.00	S44° 20' 33.61"W
L4	9.85	N45° 39' 26.39"W
L5	27.05	N04° 01' 08.06"E
L6	27.00	S85° 38' 21.04"E
L7	16.50	S04° 21' 38.96"W
L8	7.00	S85° 38' 21.03"E
L9	16.50	N04° 21' 38.96"E
L10	72.00	S85° 38' 21.04"E
L11	15.50	S04° 21' 38.97"W
L12	6.22	S85° 38' 21.04"E
L13	24.41	N04° 22' 43.52"E

Line #	Length	Bearing
L14	17.21	S04° 27' 55.57"W
L15	9.00	S85° 38' 21.04"E
L16	15.50	N04° 21' 38.97"E
L17	144.00	S85° 38' 21.04"E
L18	90.00	S85° 38' 21.04"E
L19	14.00	S04° 21' 38.97"W
L20	35.00	N04° 21' 38.96"E
L21	14.00	S04° 21' 38.96"W
L22	117.00	N85° 38' 21.04"W
L23	15.50	N04° 21' 38.97"E
L24	8.03	N85° 38' 21.04"W
L25	46.93	S45° 39' 26.39"E
L26	13.95	N04° 21' 38.96"E

Line #	Length	Bearing
L27	135.00	S85° 38' 21.04"E
L28	15.00	S04° 21' 38.97"W
L29	37.00	N04° 21' 38.96"E
L30	15.00	S04° 21' 38.96"W
L31	135.00	N85° 38' 21.04"W
L32	14.00	N04° 21' 38.97"E
L33	35.00	S04° 21' 38.96"W
L34	14.00	N04° 21' 38.96"E

Curve #	Length	Radius	Delta
C1	1.57	1	090° 00' 00"
C2	1.57	1	090° 00' 00"
C3	1.57	1	090° 00' 00"
C4	1.57	1	090° 00' 00"
C5	7.85	5	090° 00' 00"
C6	7.85	5	090° 00' 00"
C7	1.57	1	090° 00' 00"
C8	7.85	3	180° 00' 00"
C9	7.85	2	180° 00' 00"
C10	1.57	1	090° 00' 00"
C11	12.22	5	140° 01' 05"
C12	4.54	2	129° 58' 55"

Curve #	Length	Radius	Delta
C13	4.71	2	180° 00' 00"
C14	4.71	2	180° 00' 00"
C15	7.85	2	180° 00' 00"
C16	7.85	2	180° 00' 00"

Point #	Northing	Easting
1	2196303.51	5857704.73
2	2196298.29	5857753.47
3	2196299.38	5857906.25
4	2196232.56	5857773.76
5	2196229.50	5857905.91

FILE NAME: 1274-0009-LAY1.DWG PLOT DATE: 1/7/2022 2:12 PM BY: MICHAEL HAUSMAN



COUNTY OF SAN BENITO
DEPARTMENT OF PUBLIC WORKS
2301 TECHNOLOGY PARKWAY
HOLLISTER, CA 95023

SCALE: HORIZ: AS SHOWN
VERT: N/A
ORIGINAL SCALE IN INCHES
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Michael Hausman
PROJECT ENGINEER
2/11/22
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
MICHAEL J. HAUSMAN
No. 91154
CIVIL
STATE OF CALIFORNIA

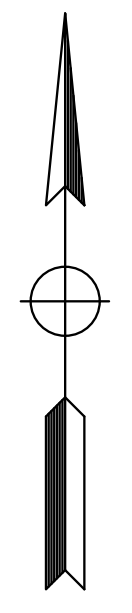
REVISIONS			
NO.	BY	DATE	DESCRIPTION

APPROVED BY: *Steve Loupe* County Engineer 2/11/22
DATE: 2/11/22
RCE: 63575

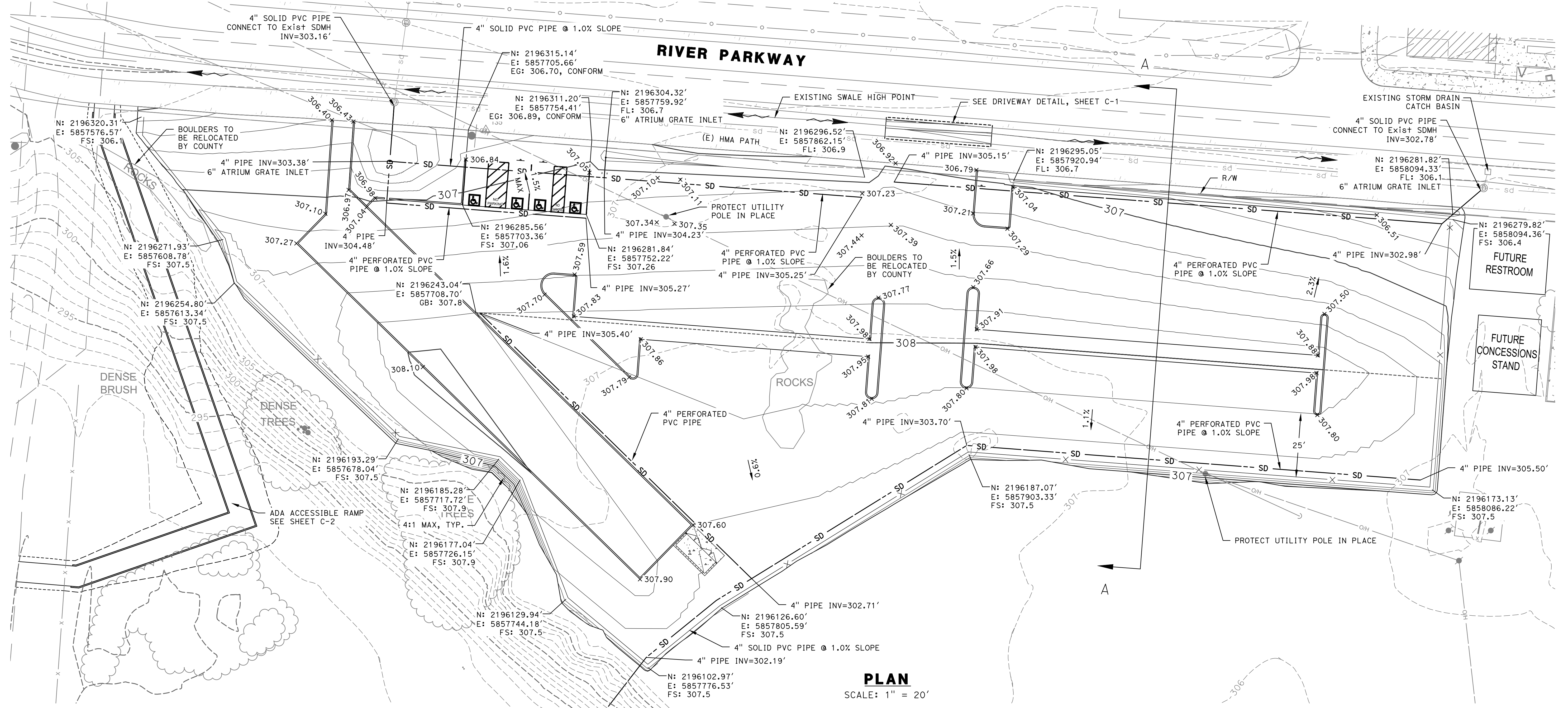
**RIVERVIEW REGIONAL PARK
PARKING LOT
SITE PLAN/
HORIZONTAL CONTROL**

L-1

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	DATE	SHEET OF
MJH	MJH	EB	1274-0009	1/7/2022	3 OF 14

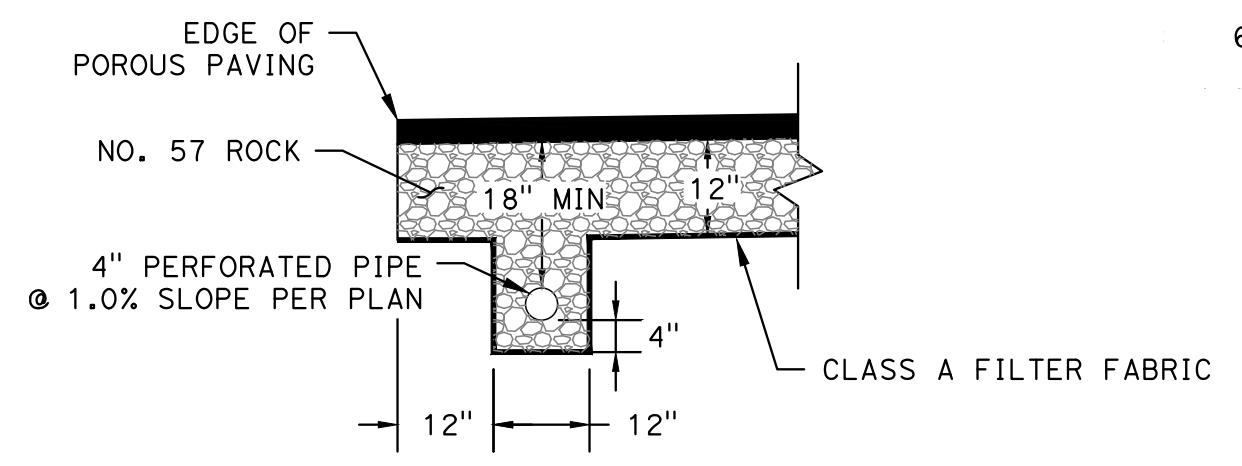


RIVER PARKWAY

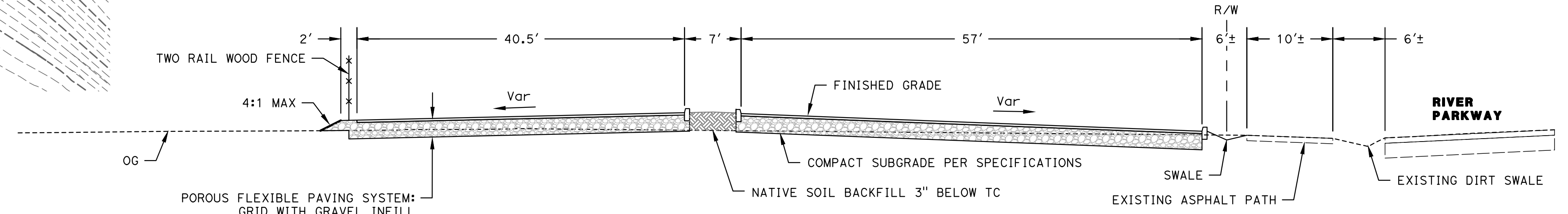


PLAN
SCALE: 1" = 20'

CONTOUR INTERVAL
MAJOR - 1.0'
MINOR - 0.2'



UNDERDRAIN PIPE DETAIL
NTS



SECTION A-A
NTS

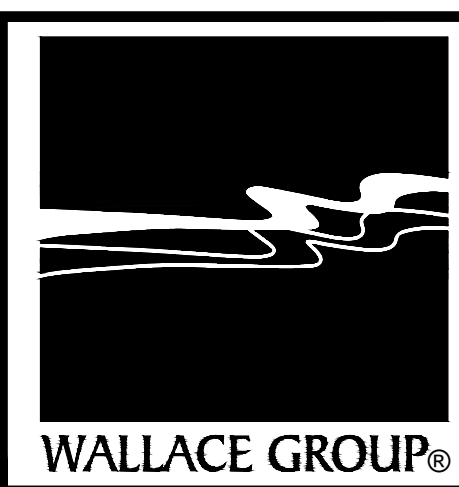
NOTE:
ALL 6" TALL CURB ELEVATIONS
ARE TO FLOWLINE OF CURB

FILE NAME: 1274-0009-GRAD.DWG
PLOT DATE: 1/7/2022 2:13 PM
BY: MICHAEL HAUSMAN



COUNTY OF SAN BENITO
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2301 TECHNOLOGY PARKWAY
HOLLISTER, CA 95023

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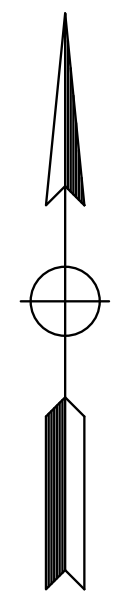
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www.wallacegroup.us**

Michael Hausman
PROJECT ENGINEER
2/11/22
PLANS APPROVAL DATE

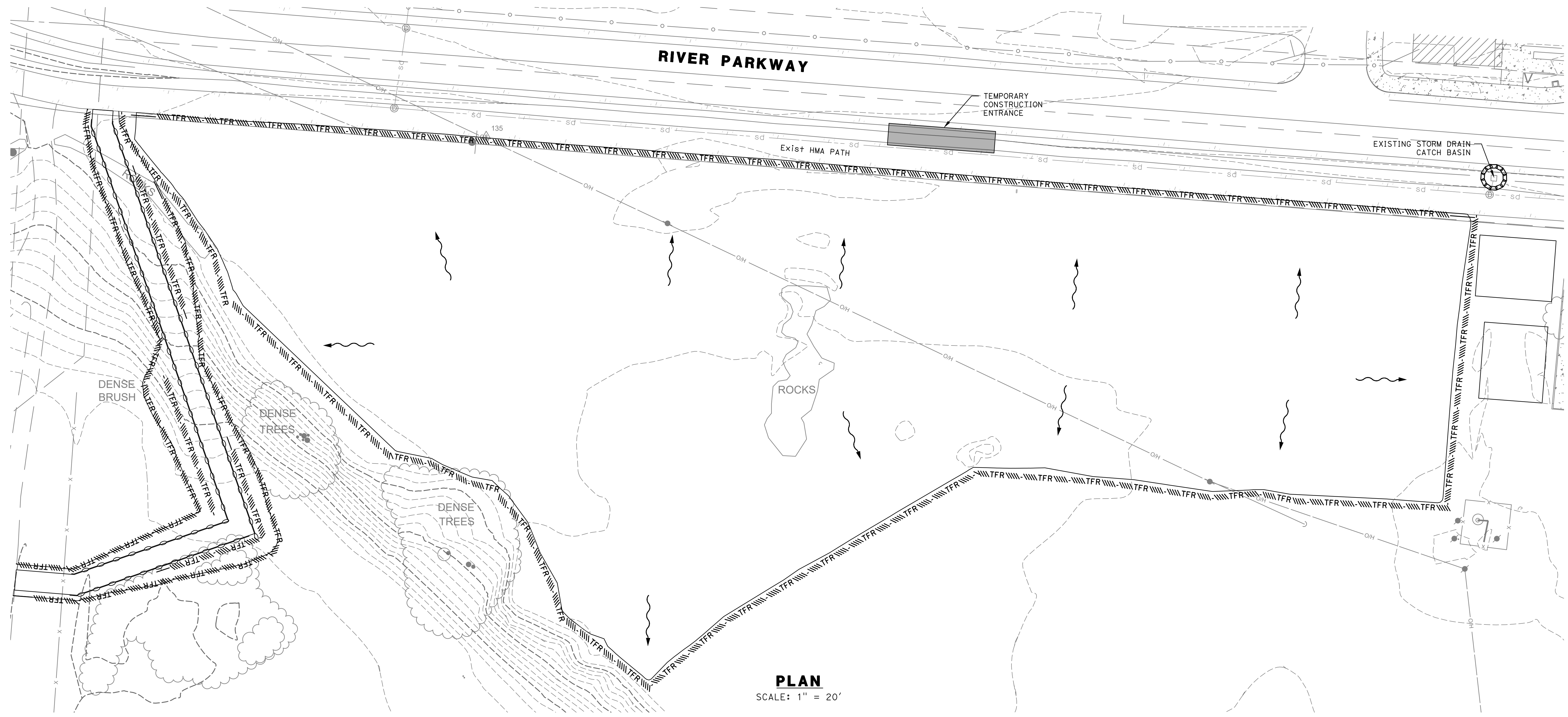
REVISIONS			
NO.	BY	DATE	DESCRIPTION

ACCEPTED BY:
Steve Loupe County Engineer 2/11/22
NAME TITLE DATE
RCE: 63575

RIVERVIEW REGIONAL PARK PARKING LOT GRADING PLAN			
G-1			
DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER
MJH	MJH	EB	1274-0009
DATE	DATE		SHEET OF
1/7/2022	1/7/2022		4 14



RIVER PARKWAY




PLAN
SCALE: 1" = 20'

NOTE:
THIS PLAN PROVIDES A MINIMUM LEVEL OF TEMPORARY WATER POLLUTION CONTROL DURING CONSTRUCTION. ACTUAL CONSTRUCTION OPERATIONS, STAGING, AND FIELD CONDITIONS MAY NECESSITATE MODIFICATIONS TO THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR MAKING SUCH MODIFICATIONS.

- LEGEND:**
- TEMPORARY FIBER ROLLS
 - TEMPORARY DRAINAGE INLET PROTECTION
 - SURFACE FLOW DIRECTION


FILE NAME: 1274-0009-WPCP.DWG PLOT DATE: 1/7/2022 2:13 PM BY: MICHAEL HAUSMAN



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DEPARTMENT OF PUBLIC WORKS
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Michael Hausman
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2/11/22
PLANS APPROVAL DATE



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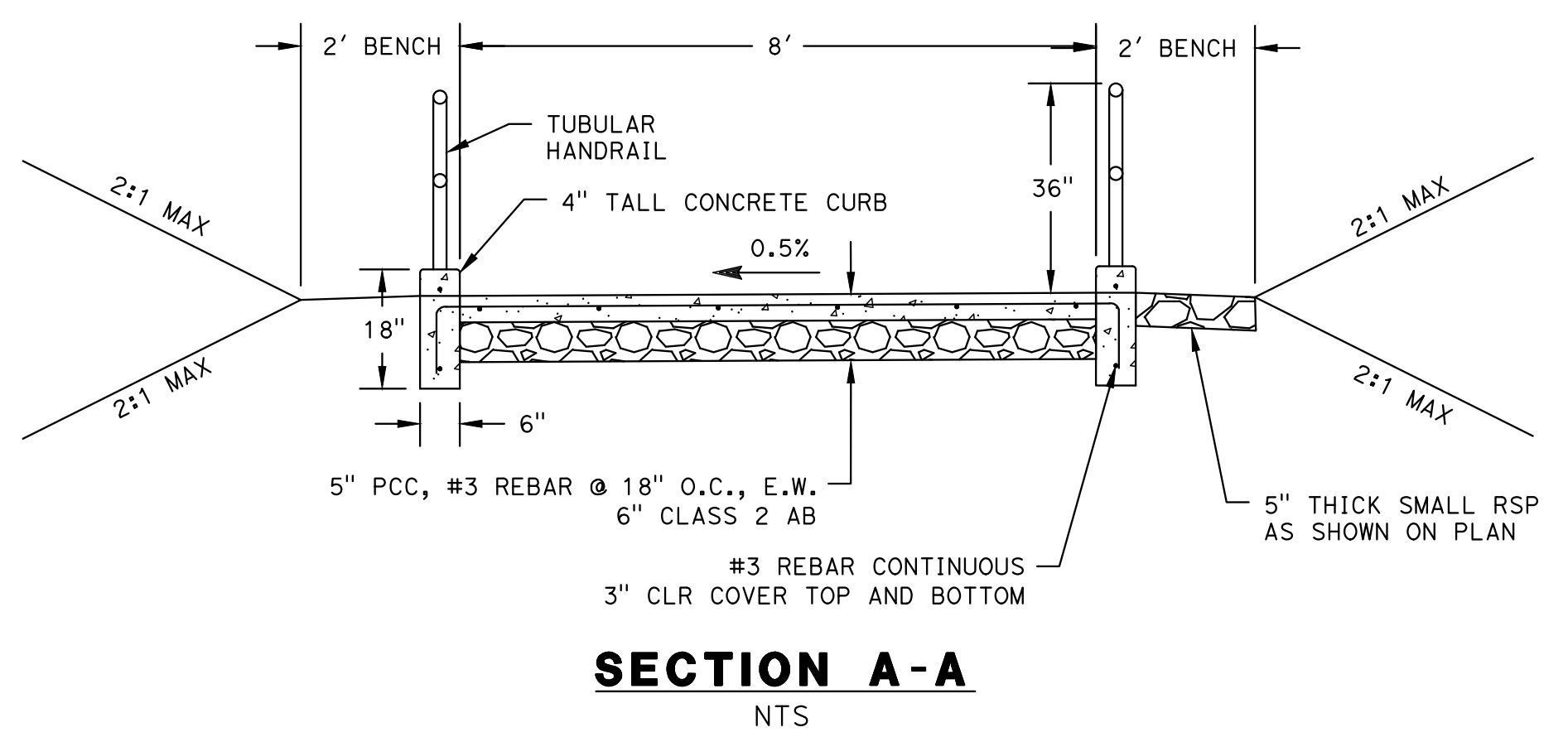
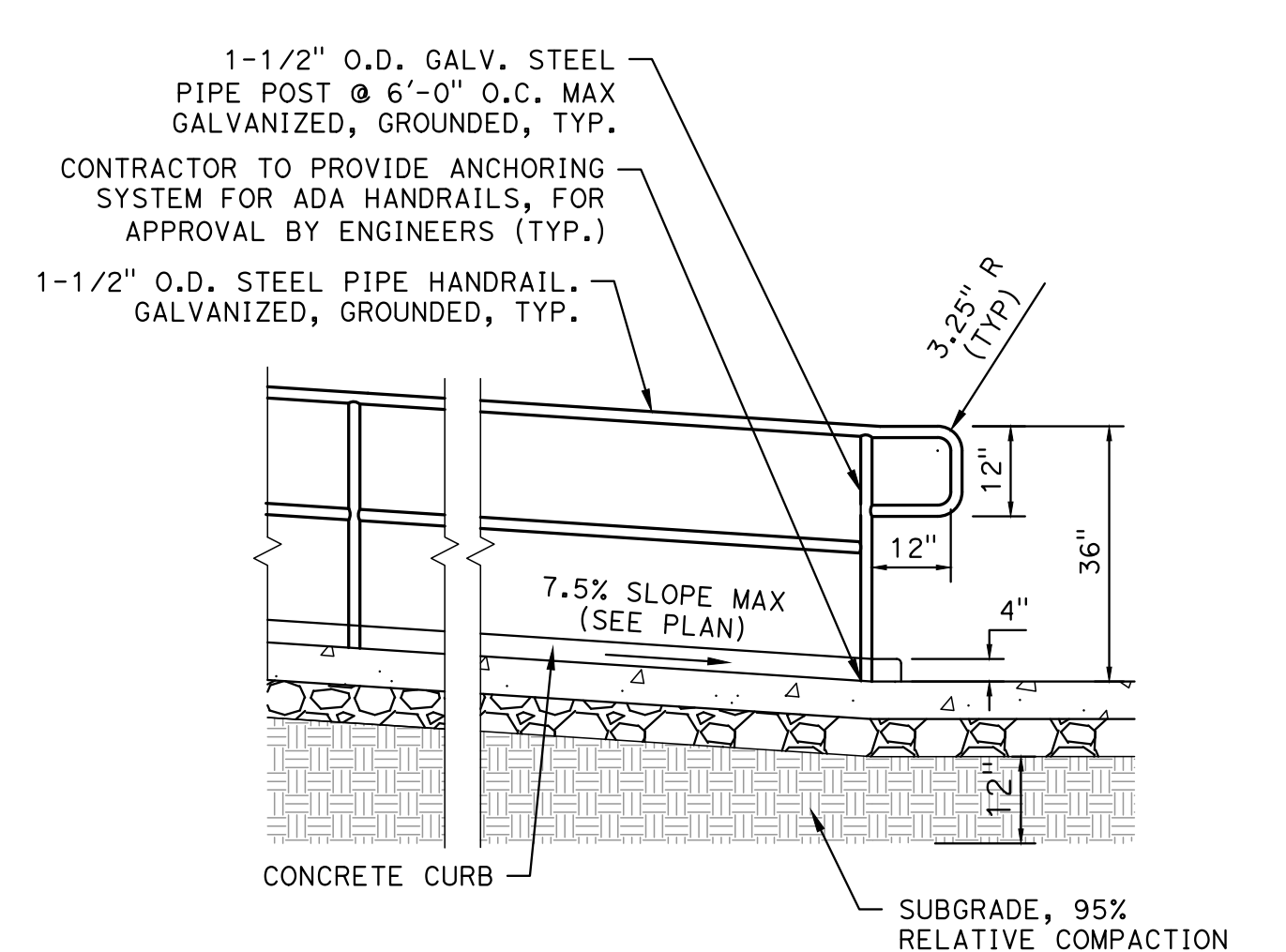
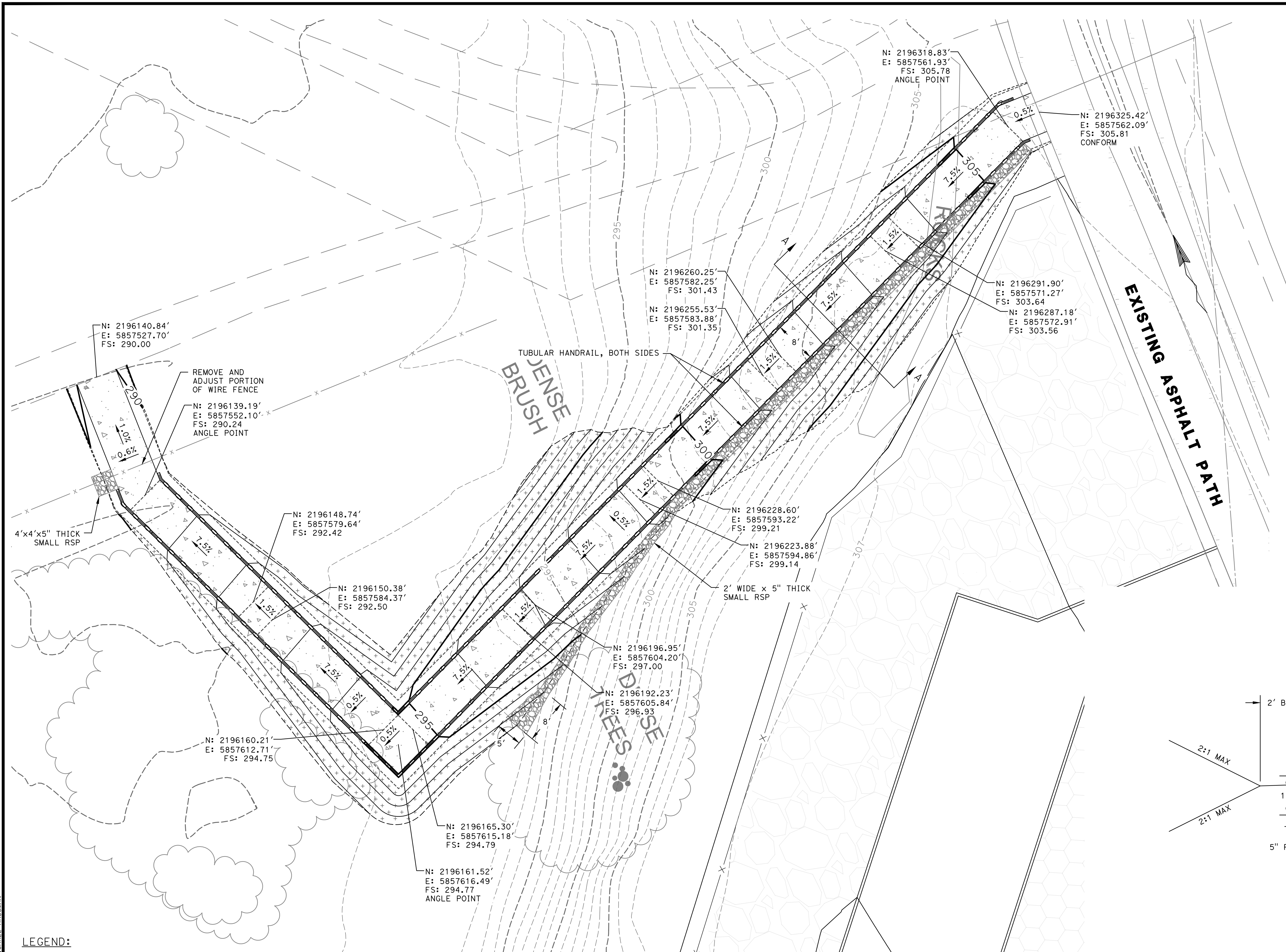
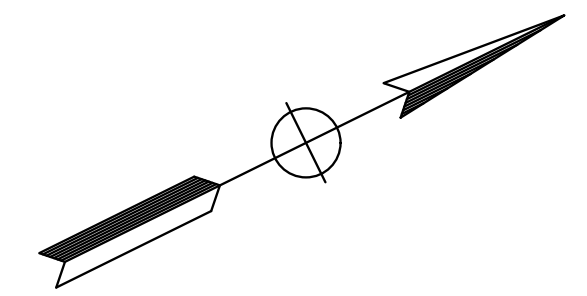
ACCEPTED BY:

Steve Loupe County Engineer 2/11/22

NAME: Steve Loupe TITLE: County Engineer DATE: 2/11/22 RCE: 63575

**RIVERVIEW REGIONAL PARK
PARKING LOT
TEMPORARY WATER
POLLUTION CONTROL PLAN
WPC-1**

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	DATE	SHEET OF
MJH	MJH	EB	1274-0009	1/7/2022	5 14



LEGEND:
 HYDROSEED SLOPE PER SEED MIX IN TECHNICAL SPECIFICATIONS

PLAN
 SCALE: 1" = 10'

COUNTY OF SAN BENITO
 DEPARTMENT OF PUBLIC WORKS
 2301 TECHNOLOGY PARKWAY
 HOLLISTER, CA 95023

SCALE: HORIZ: N/A
 VERT: N/A
 ORIGINAL SCALE IN INCHES
 FOR REDUCED PLANS

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 WATER RESOURCES
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 SAN LUIS OBISPO, CA 93401
 T 805 544-4011 F 805 544-4294
 www.wallacegroup.us

Michael Hausman
 PROJECT ENGINEER
 2/11/22
 PLANS APPROVAL DATE

REVISIONS					
NO.	BY	DATE	DESCRIPTION	APPROVED BY	DATE

ACCEPTED BY:
Steve Loupe County Engineer 2/11/22
 NAME TITLE DATE
 RCE: 63575

**RIVERVIEW REGIONAL PARK
 PARKING LOT
 CONSTRUCTION DETAILS**

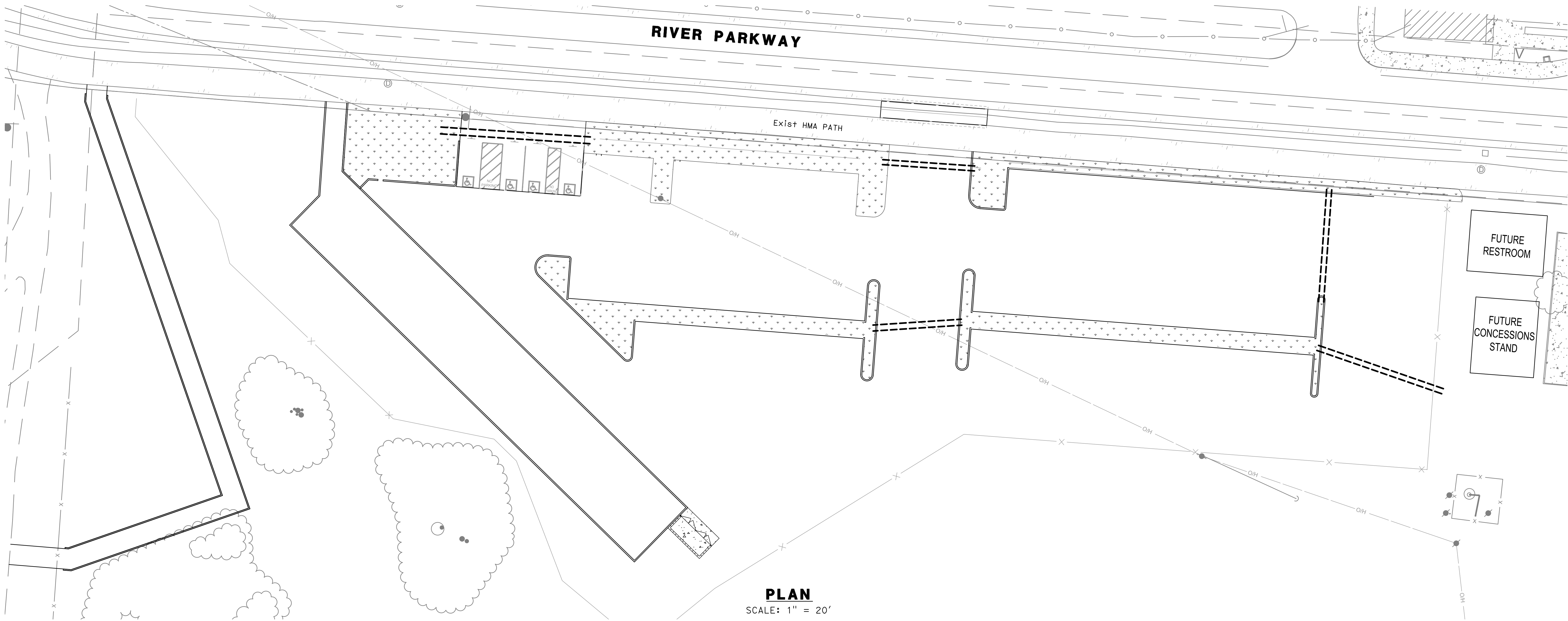
C-2

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	DATE	SHEET OF
MJH	MJH	EB	1274-0009	1/7/2022	7 14

FILE NAME: 1274-0009-RAMP.DWG
 PLOT DATE: 1/7/2022 2:14 PM
 BY: MICHAEL HAUSMAN

RIVER PARKWAY

Exist HMA PATH

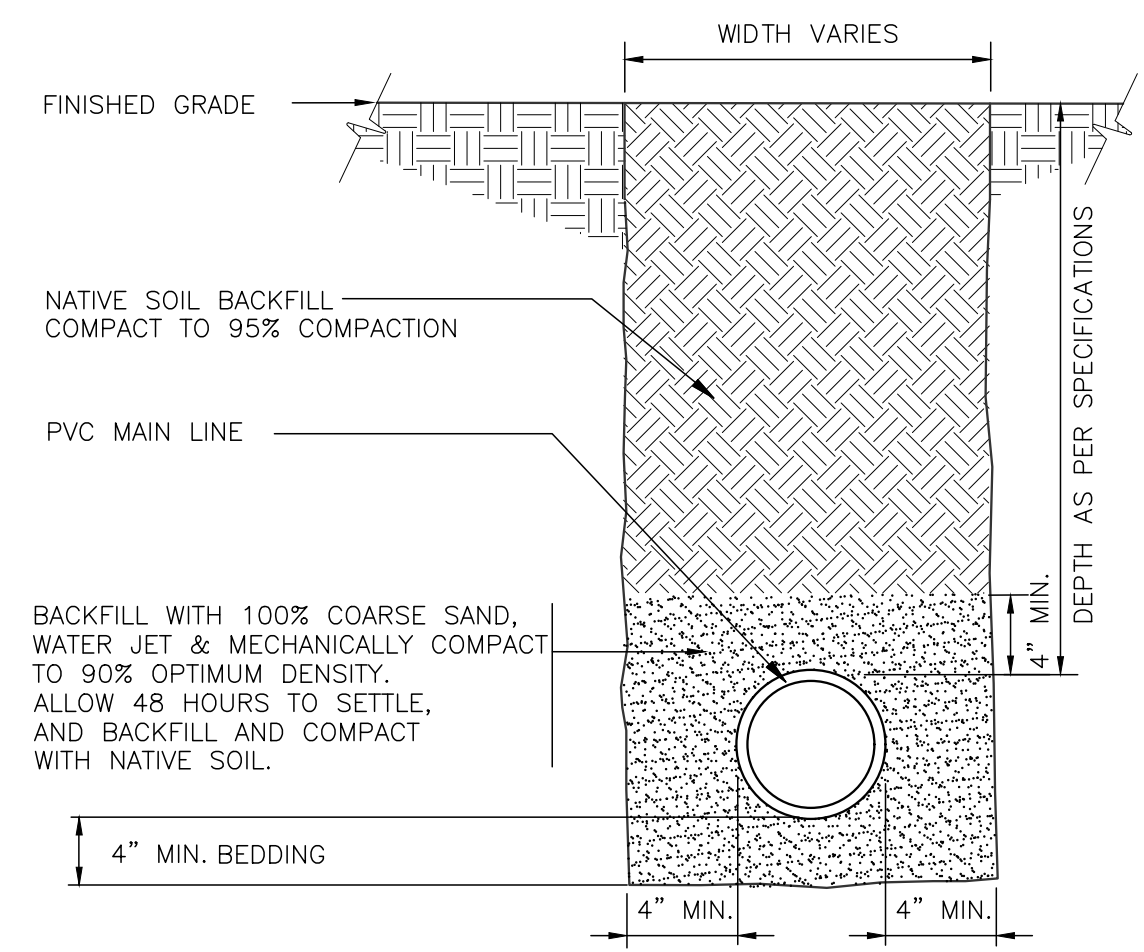


PLAN

SCALE: 1" = 20'

IRRIGATION SLEEVING NOTES:

- UNLESS OTHERWISE NOTED, TRENCHING DEPTHS FOR IRRIGATION SLEEVING SHALL BE 24". DEPTH SHALL BE MEASURED FROM THE TOP OF SLEEVE TO FINISHED SOIL LEVEL.
- ALL IRRIGATION SLEEVES SHALL BE PVC CLASS 35 GASKET JOINT WHITE PIPE. EXTEND SLEEVES 12" BEYOND EDGE OF PAVEMENT. CLEARLY MARK ENDS OF SLEEVES ABOVE GRADE DURING CONSTRUCTION.



IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
---	Pipe Sleeve: PVC SDR 35 Gasket Joint White	226.2 l.f.

LEGEND:



1 SLEEVE AT ROAD
1 1/2" = 1'-0"
328409.76-20

COUNTY OF SAN BENITO

DEPARTMENT OF PUBLIC WORKS
2301 TECHNOLOGY PARKWAY
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ANN SEVER
LANDSCAPE ARCHITECT

2/11/22
PLANS APPROVAL DATE

REVISIONS					
NO.	BY	DATE	DESCRIPTION	APPROVED BY	DATE

ACCEPTED BY:
Steve Loupe County Engineer 2/11/22

NAME TITLE DATE
RCE: 63575

**RIVERVIEW REGIONAL PARK
PARKING LOT
CONSTRUCTION DETAILS
IRRIGATION SLEEVES
BASE BID**

C-3

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	DATE	SHEET OF
MJH	EAS	EB	1274-0009	1/7/2022	8 14

FILE NAME: 1274-0009-1RRG.DWG
PLOT DATE: 1/7/2022 2:14 PM
BY: MICHAEL HAUSMAN



LEGEND

- INSTALL WASTE/RECYCLING RECEPTACLE. JAMESTOWN MODEL 13407
- ▲ INSTALL MINI DOG WASTE STATION

NOTES:

1. FINAL LOCATIONS TO BE APPROVED BY THE COUNTY PRIOR TO INSTALLATION
2. DETAILS SHOWN FOR REFERENCE ONLY. WASTE STATIONS AND TRASH RECEPTACLES TO BE FURNISHED BY COUNTY.

PLAN

SCALE: 1" = 150'



COUNTY OF SAN BENITO

DEPARTMENT OF PUBLIC WORKS
2301 TECHNOLOGY PARKWAY
HOLLISTER, CA 95023

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Esau Blanco
PROJECT ENGINEER

2/11/22

PLANS APPROVAL DATE



REVISIONS					
NO.	BY	DATE	DESCRIPTION	APPROVED BY	DATE
▲					
▲					
▲					

ACCEPTED BY:

Steve Loupe	County Engineer	2/11/22
NAME	TITLE	DATE
	RCE: 63575	

**RIVERVIEW REGIONAL PARK
PARKING LOT
CONSTRUCTION DETAILS
WASTE/RECYCLING PLAN**

C-4

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	DATE	SHEET OF
MJH	MJH	EB	1274-0009	1/7/2022	9 14

**MODEL 13407
64 GALLON CAPACITY
ANIMAL RESISTANT TRASH/RECYCLE RECEPTACLE**

- Uses two standard 32 gallon recycle type bags.
- ADA compliant.
- Easy access top loading chutes.
- Pivoting bag racks for easy trash removal.

Mechanical specifications

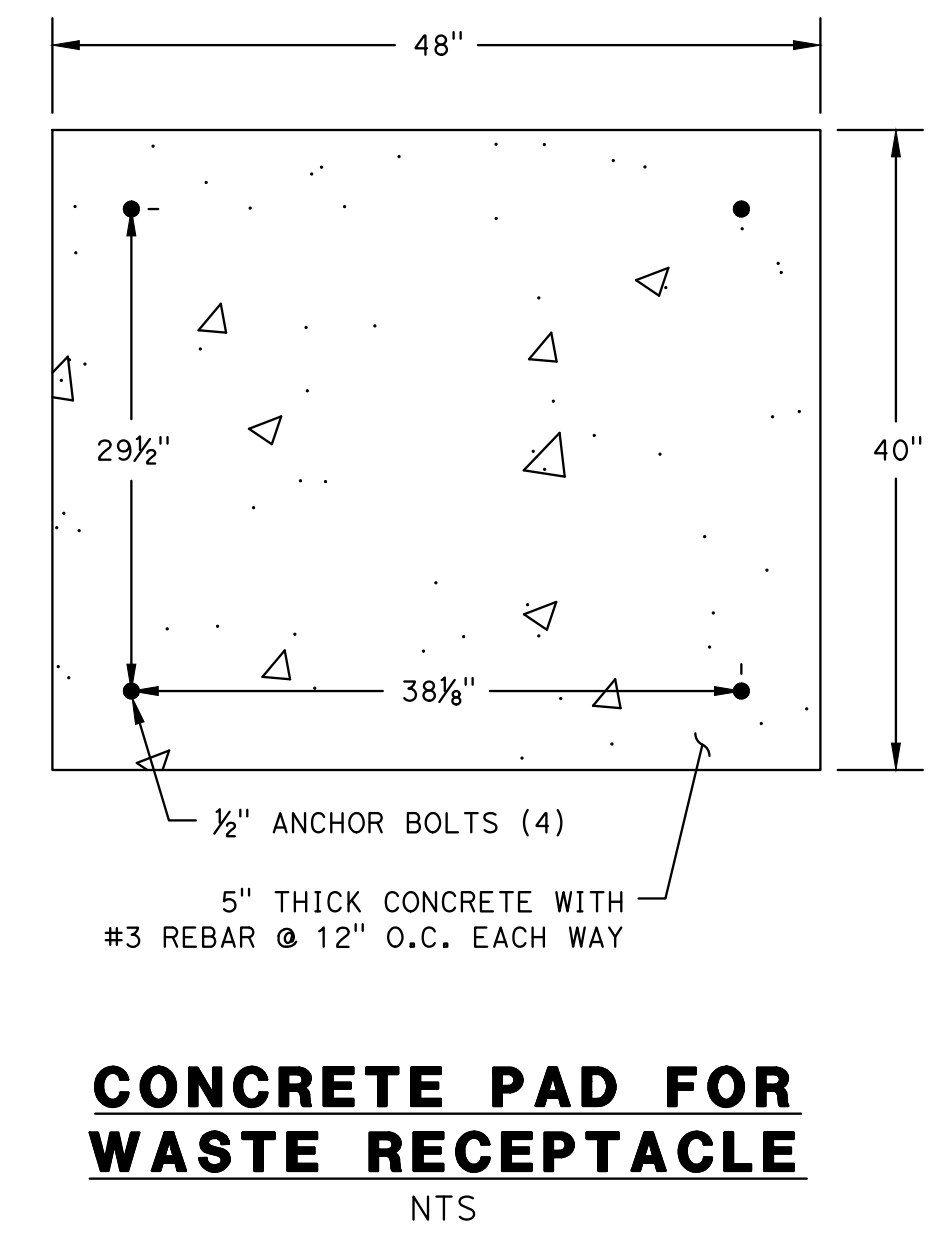
- Door hinges are heavy duty stainless steel for superior corrosion resistance and longevity.
- Animal resistant internal single point self latching system on service hatch.
- Welded 1/4 gauge construction.
- 3/16" thick mounts with (4) holes bored to fit 1/2" bolts.
- Powder coated for superior corrosion protection.
- Available in forest green, blue, brown, and gray.

ESTIMATED WEIGHT: 285 LBS

WARNING: MUST BE PERMANENTLY MOUNTED

CUSTOMER APPROVAL: _____ DATE: _____

JAMESTOWN ADVANCED PRODUCTS CORPORATION	THIS DRAWING, WHICH CONTAINS PROPRIETARY INFORMATION, IS THE PROPERTY OF JAMESTOWN ADVANCED PRODUCTS CORPORATION. IT SHALL NOT BE REPRODUCED IN ANY MANNER FOR PROCEEDS TO THIRD PARTIES WITHOUT WRITTEN PERMISSION OF JAMESTOWN ADVANCED PRODUCTS CORPORATION.	DATE: 3-4-13
PRODUCT PART NUMBER: 13407	REV. NO. 2 12/10/15	
PRODUCT DESCRIPTION: ANIMAL RESISTANT TRASH/RECYCLE RECEPTACLE	2855 GIRTS ROAD JAMESTOWN, NY 14701	
PHONE 800-452-0639 -- FAX 716-483-5398 -- WWW.JAMESTOWNADVANCED.COM		



PRODUCT ASSEMBLY INSTRUCTIONS • MINI DOG WASTE STATION

PARTS LIST:

- Post (1)
- Dispenser (1)
- Sign (1)
- Hardware Pack (1)
- Dispenser Keys (2)
- 400 Waste Bags

NUTS & BOLTS LIST:

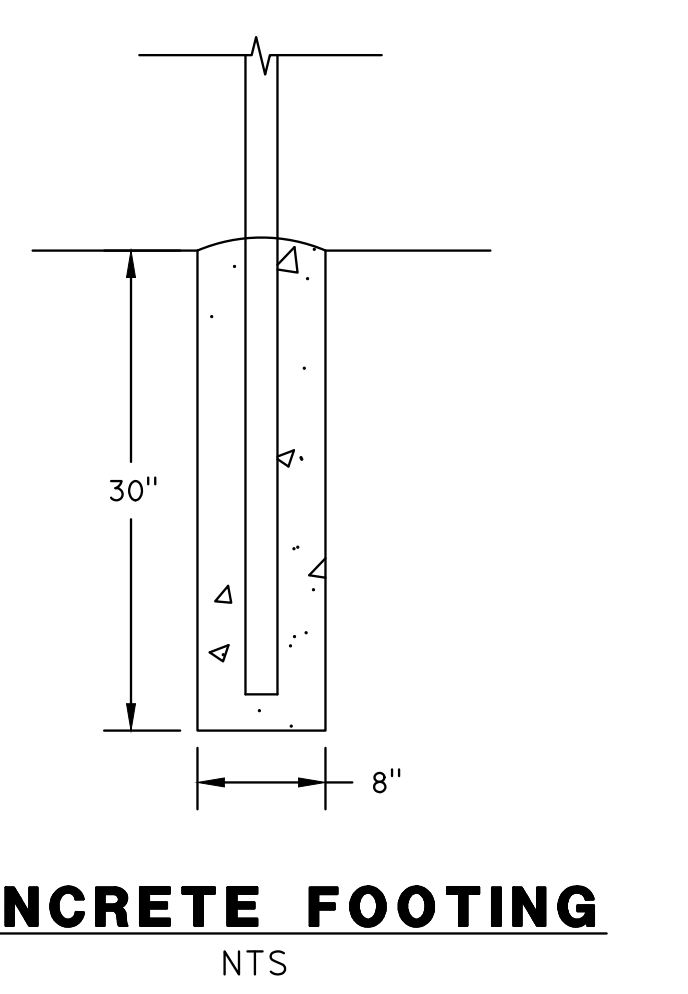
- A** - 3" Bolt (5)
- B** - Flat Washers (8)
- C** - Split-Lock Washer (8)
- D** - Hex Nuts (5)

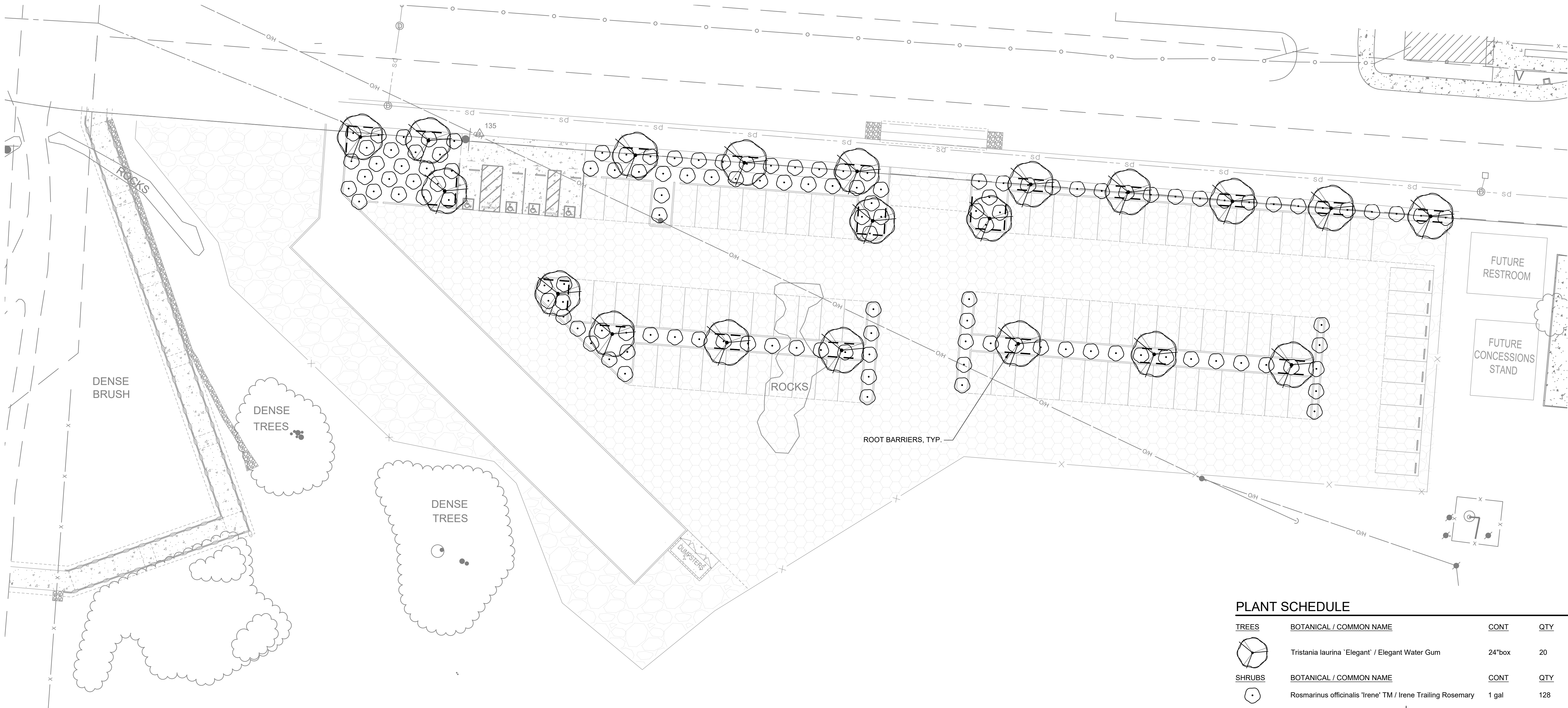
MINI DOG WASTE STATION ASSEMBLY INSTRUCTIONS

- ASSEMBLE THE 2-PIECE POST with 4" overlap. Use one 3" bolt (A) to secure the 2 sections together. Set and level the post in concrete footing. Allow cement to firmly set-up before attaching can and dispenser to post.
- ALWAYS CHECK for buried services (electric, water, gas, phone, cable) before digging. Dig a post hole 14" deep. Pour in concrete.
- INSTALL THE DISPENSER Be sure to place washers (C) on the bolts as you bolt from the inside of the dispenser through to the post. Secure to post with nuts and washers.
- ATTACH SIGN to top of post with 2 bolts, nuts and washers (use 2 A, B, C, D).
- FILL DISPENSER with bags - Install Can Liner.

PLEASE BE SURE TO TIGHTEN ALL NUTS AND BOLTS SECURELY

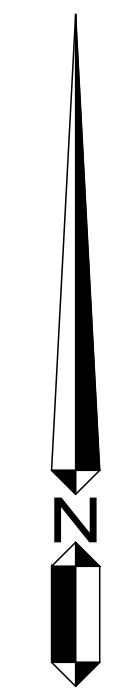
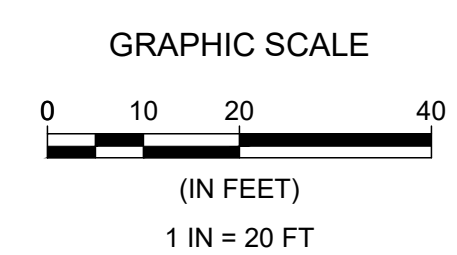
*** Please Use Gloves When Handling and Installing Posts ***





PLANT SCHEDULE


TREES	BOTANICAL / COMMON NAME	CONT	QTY
	Tristania laurina 'Elegant' / Elegant Water Gum	24"box	20
SHRUBS	BOTANICAL / COMMON NAME	CONT	QTY
	Rosmarinus officinalis 'Irene' TM / Irene Trailing Rosemary	1 gal	128



FILE NAME: 1274-0009-PLANT.DWG PLOT DATE: 1/7/2022 2:17 PM BY: MICHAEL HAUSMAN




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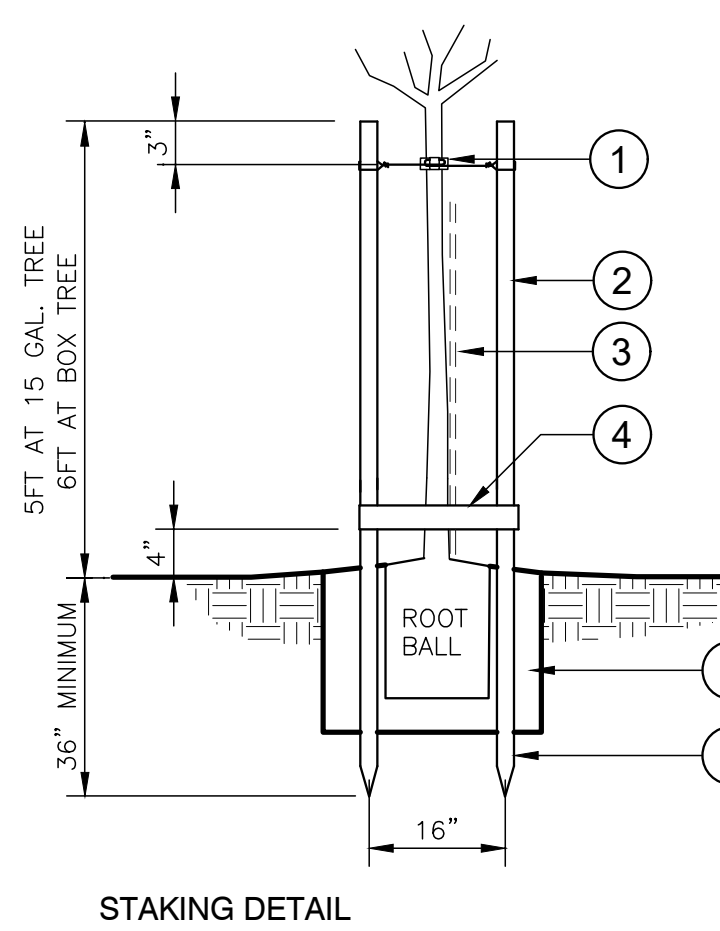
REVISIONS			
NO.	BY	DATE	DESCRIPTION

ACCEPTED BY:
 Steve Loupe County Engineer 2/11/22
 NAME TITLE DATE
 RCE: 63575

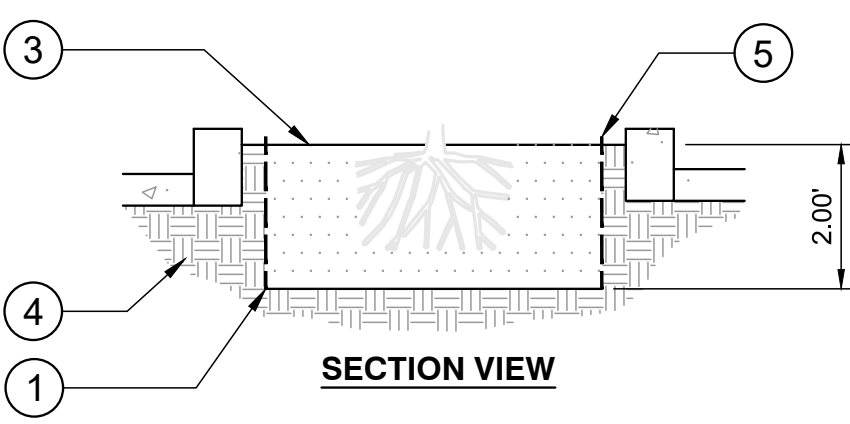
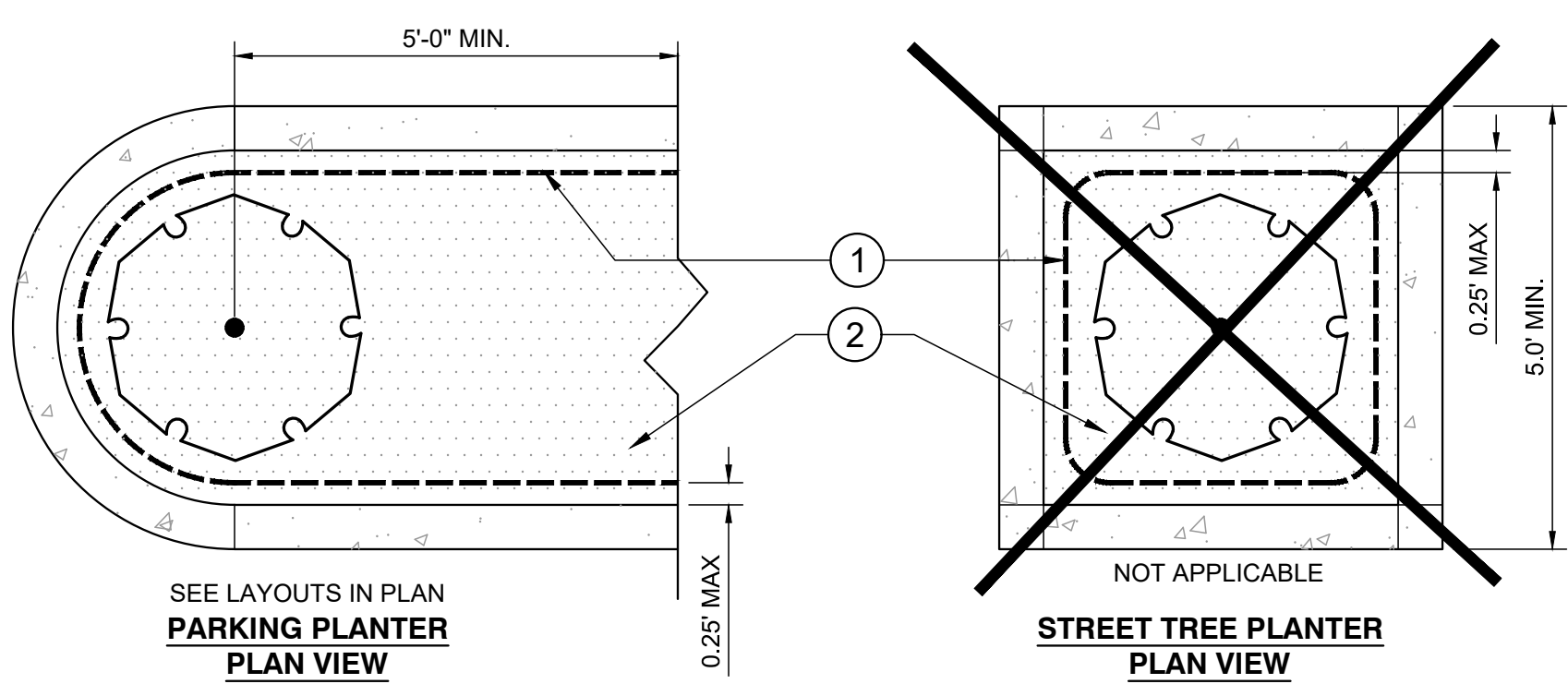
**RIVERVIEW REGIONAL PARK
 PARKING LOT
 PLANTING PLAN
 BID ALTERNATIVE**

PP-1.0

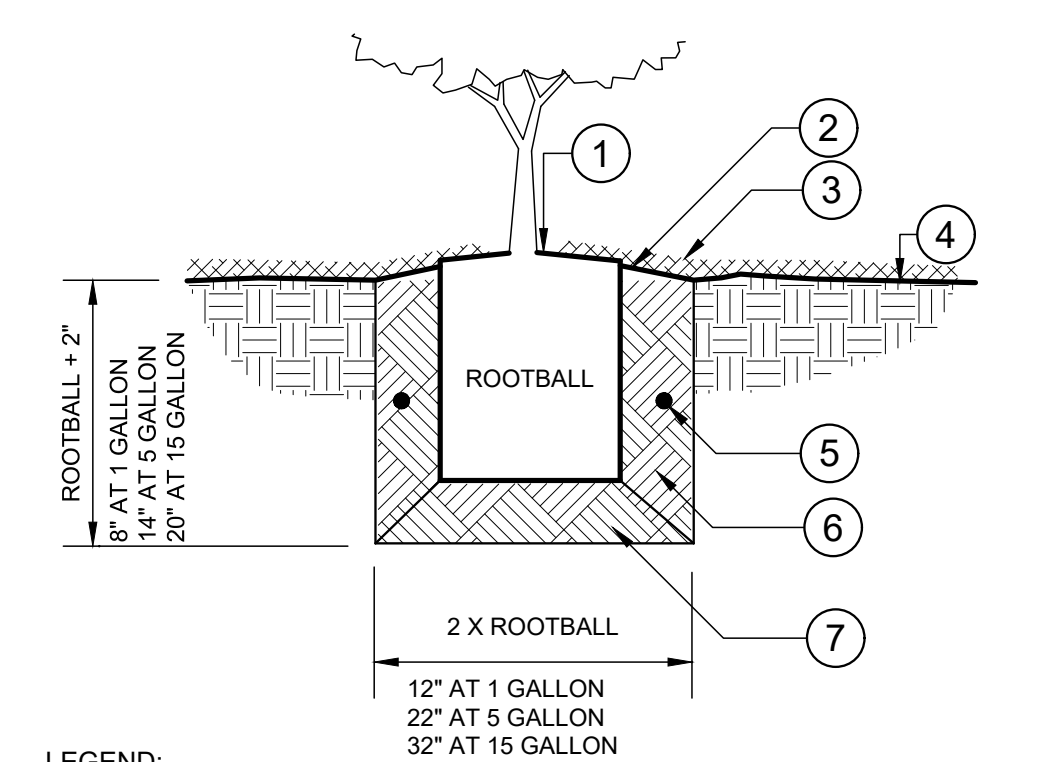
DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	DATE	SHEET OF
SLB	SLB	EAS	1274-0009	1/7/2022	10 14



- LEGEND**
- ① DOUBLE STAKE WITH TIE PER CALTRANS STANDARD
 - ② 2" DIAMETER LODGEPOLE PINE TREATED TREE STAKES. SET PERPENDICULAR TO PREVAILING WIND
 - ③ REMOVE NURSERY STAKE
 - ④ 1X3 CROSSTIE, AVOID RUBBING INJURY TO TRUNK
 - ⑤ BACKFILL PLANTING AS PER SPECIFICATIONS
 - ⑥ AVOID DAMAGE TO THE ROOT BALL WITH THE SUPPORT STAKES



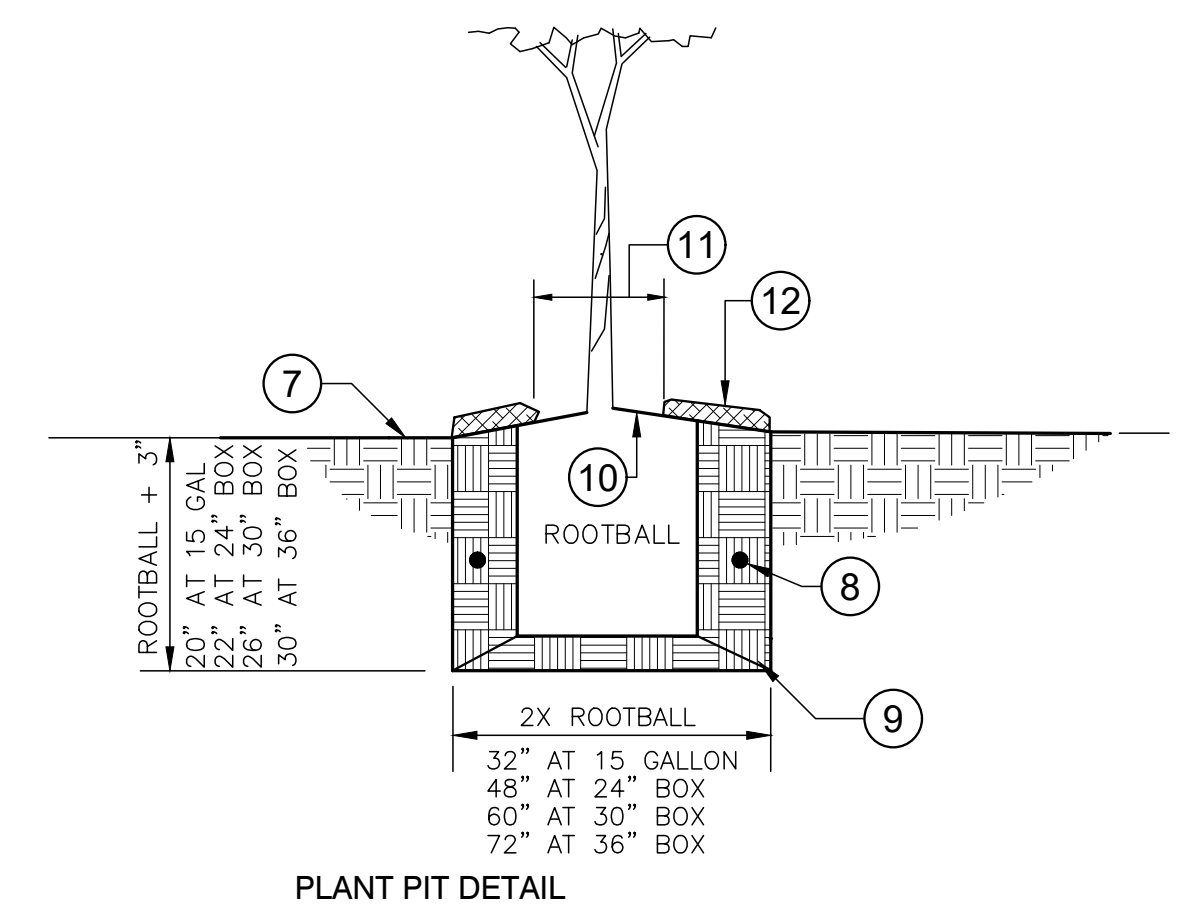
- LEGEND**
- ① 24" DEEP LINEAR ROOT BARRIER
 - ② TAMP SOIL ADJACENT TO ROOT BARRIERS TO STABILIZE THEM SO THAT IRRIGATION FLOWS DIRECTLY THROUGH THE ROOT BALL
 - ③ FINISH GRADE 2" BELOW ADJACENT PAVEMENT
 - ④ EXISTING SOIL
 - ⑤ TOP OF ROOT BARRIER 1" ABOVE FINISHED GRADE



- LEGEND:**
- ① SET ROOTBALL CROWN 1" HIGHER THAN SURROUNDING FINISHED GRADE
 - ② SLOPE FINISHED GRADE AT BACKFILL AWAY FROM ROOTBALL
 - ③ GRAVEL MULCH - 3" DEPTH WHERE NOTED
 - ④ FINISHED GRADE
 - ⑤ PLANT TABLETS AS SPECIFIED
 - ⑥ BACKFILL MIX, SEE NOTES AND SPECIFICATIONS
 - ⑦ NATIVE SOIL MIX, FIRMLY COMPACTED

PLANTING NOTES:

1. REFER TO PLANTING PLANS, PLAN NOTES, SPECIFICATIONS, PLANT LEGEND, AND PLANTING DETAILS FOR ADDITIONAL PLANTING INFORMATION. REFER TO IRRIGATION PLANS, NOTES, SPECIFICATIONS, AND DETAILS FOR RELATED LANDSCAPE WORK.
2. NOTIFY OWNER'S REPRESENTATIVE (REP.) 48 HOURS MINIMUM PRIOR TO COMMENCEMENT OF WORK TO COORDINATE PROJECT INSPECTION SCHEDULE.
3. VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH THE WORK. IMMEDIATELY NOTIFY OWNER'S REPRESENTATIVE OF FIELD CONDITIONS THAT VARY FROM THOSE SHOWN ON DRAWINGS AND SEEK CORRECTIONS AND DIRECTIONS BEFORE PROCEEDING WITH WORK. ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY CORRECTIONS DUE TO FAILURE TO REPORT KNOWN DISCREPANCIES.
4. LOCATE AND MARK ALL EXISTING UTILITIES WHETHER SHOWN HEREON OR NOT. PROTECT FROM DAMAGE ALL UTILITIES, AREAS AND STRUCTURES IN AND AROUND LANDSCAPE WORK AREAS. ASSUME FULL RESPONSIBILITY AND EXPENSE FOR REPAIR AND REPLACEMENT OF DAMAGES CAUSED BY CONTRACTOR.
5. LOCATION OF NON-LANDSCAPE CONSTRUCTION ELEMENTS SUCH AS LIGHTS, SIGNS, VENTS, HYDRANTS, TRANSFORMERS, AND OTHER STRUCTURES OR ELEMENTS ARE APPROXIMATE. CONTRACTOR SHALL VERIFY FIELD CONDITIONS WHETHER SHOWN HEREON OR NOT. WHEN SHOWN ITEMS DO NOT CORRESPOND TO FIELD CONDITIONS, REPORT DISCREPANCIES TO OWNER'S REP. FOR CLARIFICATIONS AND INSTRUCTIONS PRIOR TO PROCEEDING WITH WORK.
6. PLANTING ACCESSORIES & MATERIAL:
 - A. FERTILIZER TABLETS: AGRIFORM (OR APPROVED EQUAL) 20-10-5, THREE 20-GRAM TABLETS FOR 15 GALLON OR LARGER SIZE TREES, TWO 10-GRAM TABLETS FOR 5 GALLON SIZE PLANTS, ONE 10-GRAM TABLET FOR 1 GALLON SIZE.
 - B. ROOT BARRIER: 18" DEEP X 24" INJECTION MOLDED CO-POLYMER POLYPROPYLENE ROOT BARRIER PANELS
 - C. TOPSOIL (BACKFILL MIX): 60-70% LOAM TOPSOIL THOROUGHLY MIXED WITH 30-40% FULLY COMPOSTED ORGANIC MATERIAL.
 - D. MULCH: 3/4" PEA GRAVEL MULCH. SUBMIT SAMPLE FOR APPROVAL.
7. SOIL MANAGEMENT REPORT: PROVIDE ONE REPRESENTATIVE SOIL SAMPLE OF THE SITE SOIL IN ACCORDANCE WITH LABORATORY PROTOCOL. SOIL ANALYSIS TO INCLUDE:
 - A. SOIL TEXTURE
 - B. INFILTRATION RATE
 - C. PH
 - D. TOTAL SOLUBLE SALTS
 - E. SODIUM
 - F. PERCENT ORGANIC MATTER
 - G. RECOMMENDATIONS FOR TREE AND SHRUB PLANTING.
8. ADD FERTILIZER AND AMENDMENTS TO THE SITE SOIL PER SOIL TEST REPORT RECOMMENDATIONS FOR PLANTING WORK.
9. PRE-PLANTING PREPARATION:
 - A. PROCEED WITH PLANTING WORK ONLY AFTER IRRIGATION WORK IS COMPLETED, TESTED, AND APPROVED BY OWNER'S REP. PROTECT IRRIGATION SYSTEM FROM DAMAGE.
 - B. FINE GRADING: TO CONFORM TO THE GRADING PATTERNS ESTABLISHED BY CIVIL ENGINEERING DRAWINGS. ENSURE POSITIVE WATER REMOVAL AT 2% MINIMUM GRADIENT TO DRAINAGE ELEMENTS OR STRUCTURES PROVIDED BY OTHERS.
 - C. REMOVE ALL ROCKS GREATER THAN 1" DIAMETER AND ALL DEBRIS AND DELETERIOUS MATERIAL FROM PLANTING AREAS.
10. PLANTS: ALL PLANTS OF THE SAME SPECIES/CULTIVAR/VARIETY SHALL HAVE MATCHING FORM, FLOWER COLOR, AND SIZE, IN HEALTHY AND THRIVING CONDITION, FREE FROM INJURIES, DISEASES, PESTS AND ROOT-BOUND OR GIRDLING ROOTS. REPLACE REJECTED PLANTS WITH MATCHING SPECIES, SIZE AND FORM.
11. PLANTING:
 - A. IRRIGATE PLANTING AREAS TO BRING TOP 6" OF SOIL TO FIELD CAPACITY. ALLOW SOIL TO DRAIN. DO NOT WORK SOIL UNTIL IT RETURNS TO A MOIST FRIABLE CONDITION. TREE EXCAVATIONS MAY REQUIRE ADDITIONAL IRRIGATION. FLOOD TREE PITS AS REQUIRED TO MOISTEN SUB-GRADE.
 - B. PLACE PLANTS IN THEIR CONTAINERS AT THE LOCATIONS PER PLANS FOR APPROVAL BY OWNER'S REP. MAKE MINOR ADJUSTMENTS AS REQUIRED BY FIELD CONDITIONS AND TO ALLOW OPTIMAL IRRIGATION COVERAGE.
 - C. PLANT QUANTITIES GIVEN ON PLANT LEGEND ARE FOR GENERAL GUIDANCE ONLY. PROVIDE THE SPECIFIED PLANT SPECIES IN THE QUANTITIES AT THE REQUIRED SPACING TO ACHIEVE THE DESIGN EFFECT/INTENT SHOWN ON THE PLANS.
 - D. FOR TREES IN TREE WELLS OR WITHIN 6 FEET OF PAVEMENT AND SLAB FOUNDATIONS, PRIOR TO TREE PLACEMENT, INSTALL ROOT BARRIER PANELS AS SHOWN ON PLANTING PLAN PER THE MANUFACTURERS INSTALLATION INSTRUCTIONS AND DETAIL #2, THIS SHEET. PLANT TREES AND SHRUBS AS SHOWN ON DETAILS.
 - E. INSTALL 2" PEA GRAVEL MULCH TO COVER BARE SOIL IN PLANTING AREAS.



- LEGEND**
- ⑦ FINISHED GRADE
 - ⑧ PLANT TABLETS AS NOTED OR SPECIFIED
 - ⑨ BACKFILL MIX, SEE NOTES AND SPECIFICATIONS.
 - ⑩ SET ROOTBALL CROWN 1-1/2" HIGHER THAN THE SURROUNDING FINISHED GRADE. SLOPE BACKFILL AWAY FROM ROOTBALL FOR POSITIVE DRAINAGE
 - ⑪ KEEP GRAVEL MULCH 6"-8" FROM BASE OF TREE
 - ⑫ GRAVEL MULCH - 3" DEPTH WHERE NOTED ON PLANS.

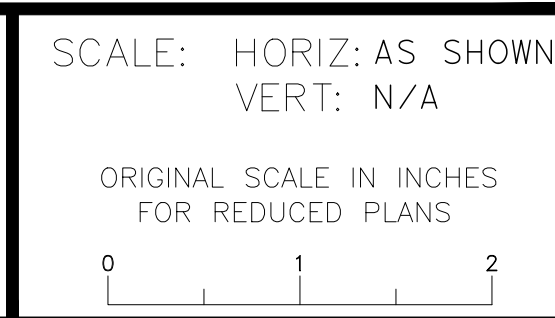
1 TREE PLANTING DOUBLE STAKE
1" = 1'-0" 329343.19-20

2 ROOT BARRIERS
1/2" = 1'-0" 3294-01

3 SHRUB PLANTING
1" = 1'-0" 329333.13-11

FILE NAME: 1274-0009-PLANT.DWG PLOT DATE: 1/7/2022 2:17 PM BY: MICHAEL HAUSMAN

COUNTY OF SAN BENITO
DEPARTMENT OF PUBLIC WORKS
2301 TECHNOLOGY PARKWAY
HOLLISTER, CA 95023



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2/11/22
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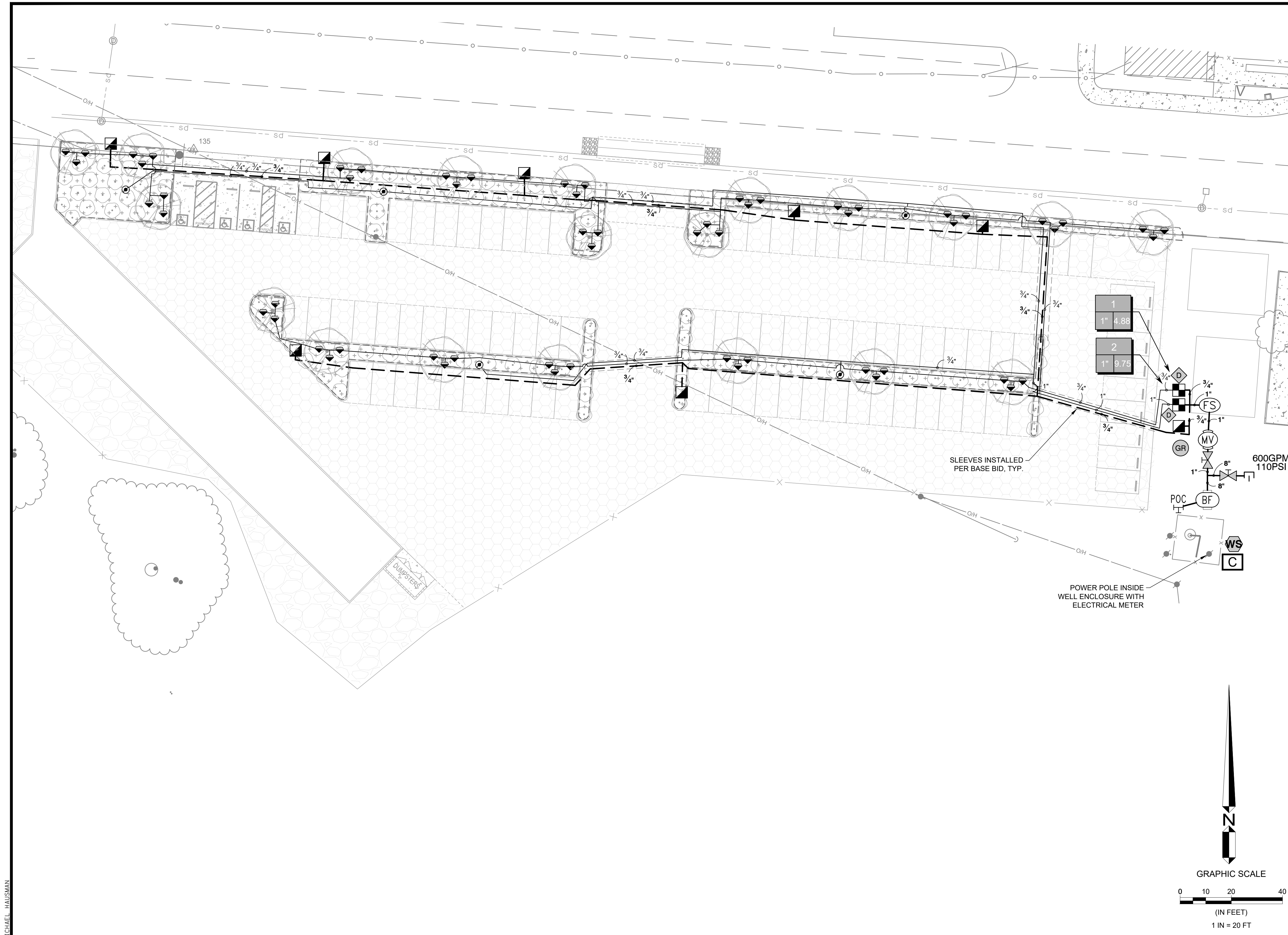
ACCEPTED BY:
Steve Loupe County Engineer 2/11/22

NAME: _____ TITLE: _____ DATE: _____
RCE: 63575

**RIVERVIEW REGIONAL PARK
PARKING LOT
PLANTING DETAILS & NOTES
BID ALTERNATIVE**

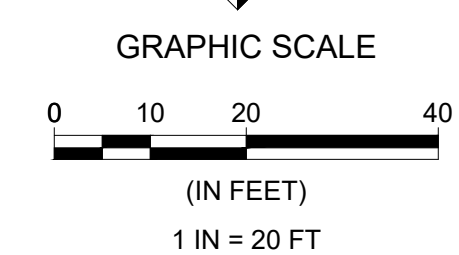
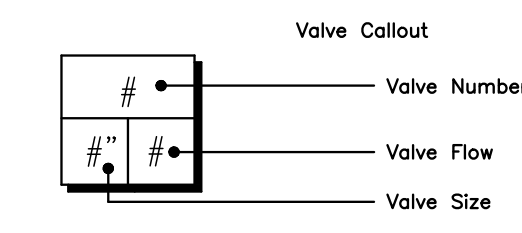
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SLB	SLB	EAS	1274-0009	1/7/2022	11 14




IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
■	Toro DZK-700 Low Flow Drip Control Valve Kit. With 1" Irritrol 700 UltraFlow Inline Valve, Toro Y-Filter, Pressure Regulator and Fittings. .10 GPM-30 GPM. Regulated pressure at 40psi	2
●	Pipe Transition Point above grade Pipe transition point from PVC lateral to drip tubing with riser to above grade installation.	5
○	Toro DSB-PC Drip Bubbler Pressure Compensating Drip Stream Bubbler easily threads on a 1/2" threaded riser. Flow Rate: 4.0 GPH, 8.0 GPH.	60
+	Area to Receive Drip Emitters Toro T-DBK Single-Outlet, Flag Style Emitter with Barbed Inlet, and Take-Apart Feature. Color-Coded for 1.0GPH=black; 2.0GPH=red; 4.0GPH=maroon. Emitter Notes: -016 emitters (1 assigned to each 1 gal plant)	6,543 s.f. 128
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
■	Toro 100-2SLLVC Two-Piece, 1" Single Lug Quick Coupler Valve with Lavender Effluent Vinyl Locking Cover for Non-Potable Water Use.	8
⊗	Leemco LMV-33SB Gate Valve 3" x 3" LMV-SB Series Mainline Gate Valve. The Spigot x Bell version is designed for the spigot end to insert into a Leemco gasket tee. The valve links restrain to the ears on the gasket tee for a secure connection.	2
⊙	Toro 220-26-9 Master Valve 2" Brass 1", 1-1/4", 1-1/2", 2", 2-1/2", and 3" Master Valve. With DC Latching Solenoid. 1"-2" have In-Line Globe Body Style, and 2-1/2" - 3" are Angle Valve Body Styles.	1
⊖	Febco 825YD 6" Reduced Pressure Backflow Preventer	1
□	Toro CDEC-PED-100 100-Station 2-Wire Decoder Controller, with Remote Connection. Stainless Steel Pedestal. Connect to electrical meter inside of well enclosure.	1
⊙	Toro EVO-WS Uses live temperature and solar measurements, as well as historical weather data for your location, to calculate an adjustment to watering times in Toro Evolution Controller. Requires use of Smart Connect Module.	1
⊙	Toro TFS 1/2", 3/4", 1", 1-1/2", 2", 3", and 4" Plastic Tee Sizes. Effective Flow Monitoring, even in flows less than 5 GPM. Compatible with TORO and competitive controllers. Impeller-based, PVC Design.	1
⊔	Cap for future use Cap at the mainline or lateral line for future use. The pressure and flow provided to that location are indicated next to the cap symbol.	1
◇	Decoder Field Decoder for Two-Wire system. Install in valve box for valve. Operates one valve/solenoid. Use line surge protection as per manufacturer's directions. See Sheet IR-2.2, Detail #6.	2
⊙	Grounding Rod Grounding rod. Surge protection for Two-Wire Satellite and Decoder Systems. See Sheet IR-2.2, Detail #6.	1
⊔	Point of Connection 8" Existing Well	1
—	Irrigation Lateral Line: PVC Schedule 40	1,757 l.f.
- - -	Irrigation Mainline: PVC Schedule 40	899.5 l.f.
- - -	Irrigation Mainline: PVC C900 SDR 14 Class 305	37.5 l.f.



FILE NAME: 1274-0009-IRR.DWG PLOT DATE: 1/7/2022 2:17 PM BY: MICHAEL HAUSMAN




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MECHANICAL ENGINEERING
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WATER RESOURCES
**612 CLARION COURT
SAN LUIS OBISPO, CA 93401
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LANDSCAPE ARCHITECT
2/11/22
PLANS APPROVAL DATE



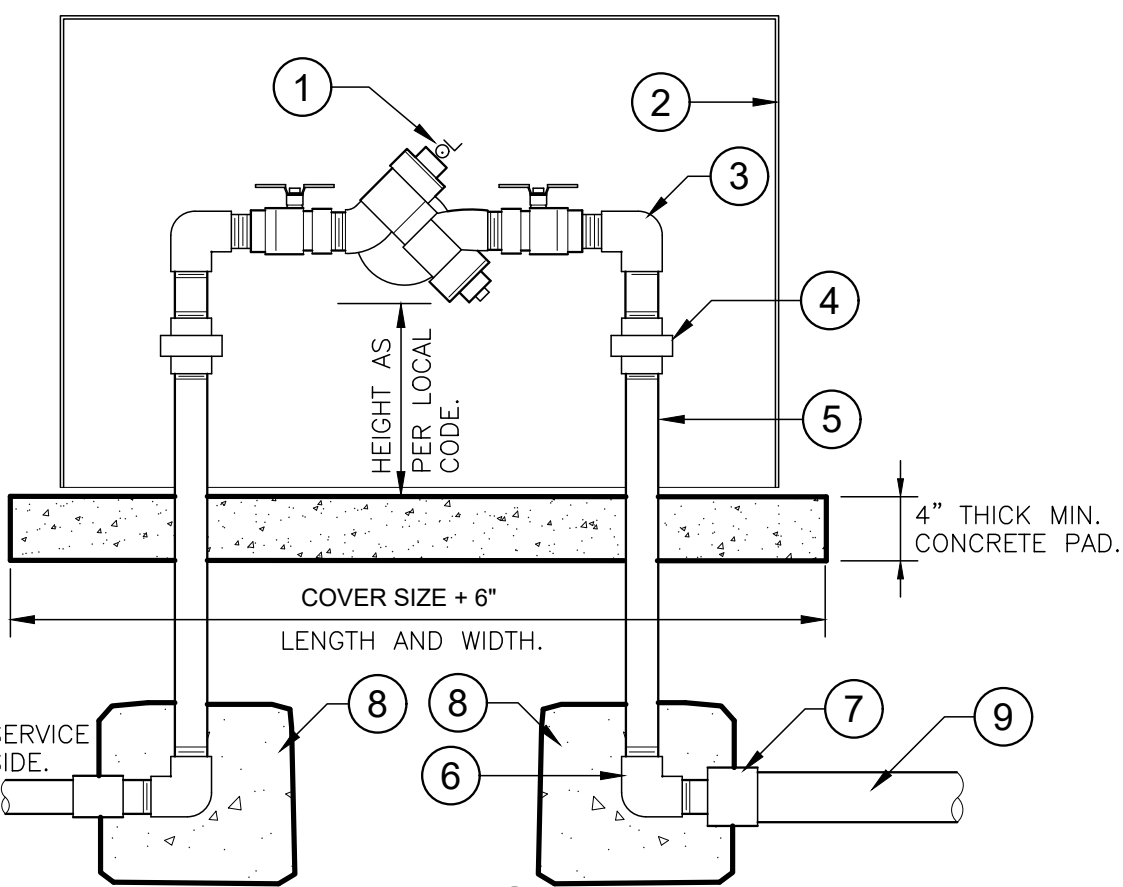
REVISIONS					
NO.	BY	DATE	DESCRIPTION	APPROVED BY	DATE
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ACCEPTED BY:
Steve Loupe County Engineer 2/11/22
NAME TITLE DATE
RCE: 63575

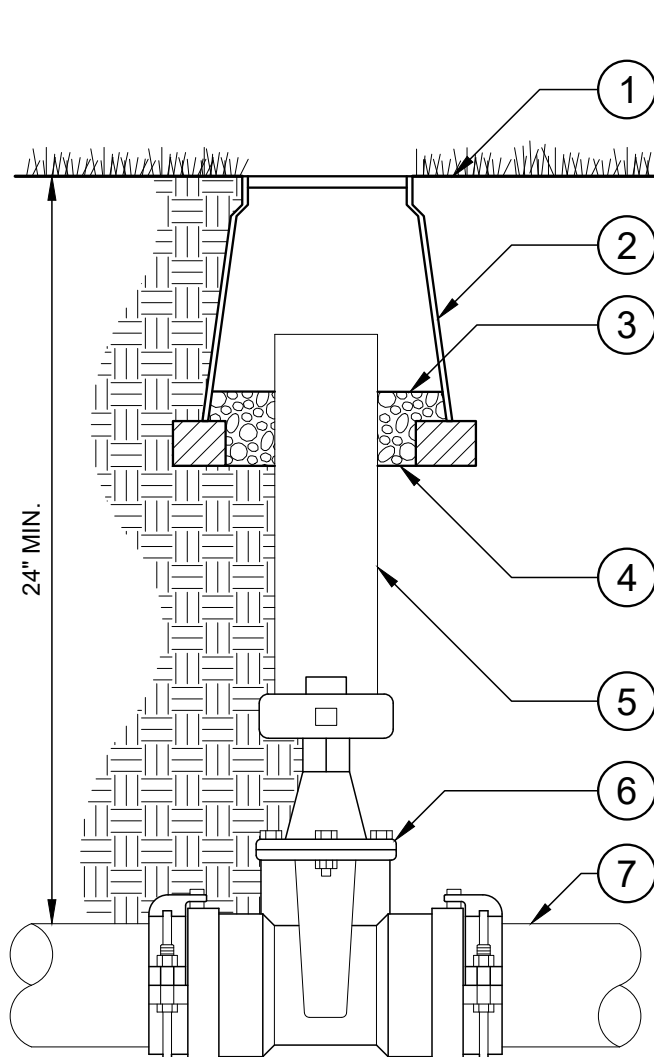
**RIVERVIEW REGIONAL PARK
PARKING LOT
IRRIGATION PLAN
BID ALTERNATIVE**

IR-2.0

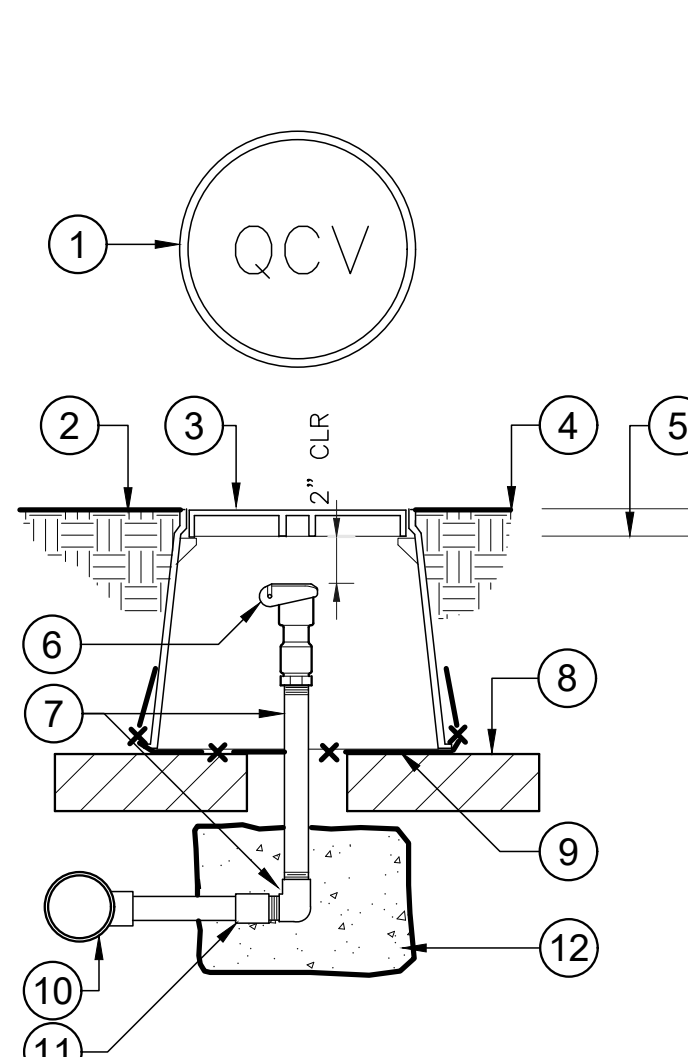
DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	DATE	SHEET OF
SLB	SLB	EAS	1274-0009	1/7/2022	12 14



- LEGEND**
- ① REDUCED PRESSURE BACKFLOW DEVICE AS SPECIFIED
 - ② BACKFLOW COVER AS SPECIFIED
 - ③ GALVANIZED NIPPLES AND ELL AS REQUIRED
 - ④ GALVANIZED UNIONS AT EACH SIDE
 - ⑤ GALVANIZED RISERS
 - ⑥ GALVANIZED ELL AND NIPPLE, TYPICAL
 - ⑦ PVC COUPLER OR REDUCER AS REQ. TYP.
 - ⑧ CONCRETE THRUST BLOCKS, 90 LBS. OF CONCRETE EACH
 - ⑨ MAIN LINE, SIZE AS PER PLANS



- LEGEND**
- ① FINISHED GRADE
 - ② 10" DIAMETER ROUND VALVE BOX
 - ③ FILTER FABRIC BARRIER
 - ④ 6" DEEP PEA GRAVEL SUMP
 - ⑤ 6" ADS, LENGTH AS REQUIRED
 - ⑥ LEEMCO LMV-BB BELL x BELL SELF-RESTRAINED, RESILIENT WEDGE GATE VALVE (SIZED PER MAINLINE)
 - ⑦ PVC MAINLINE

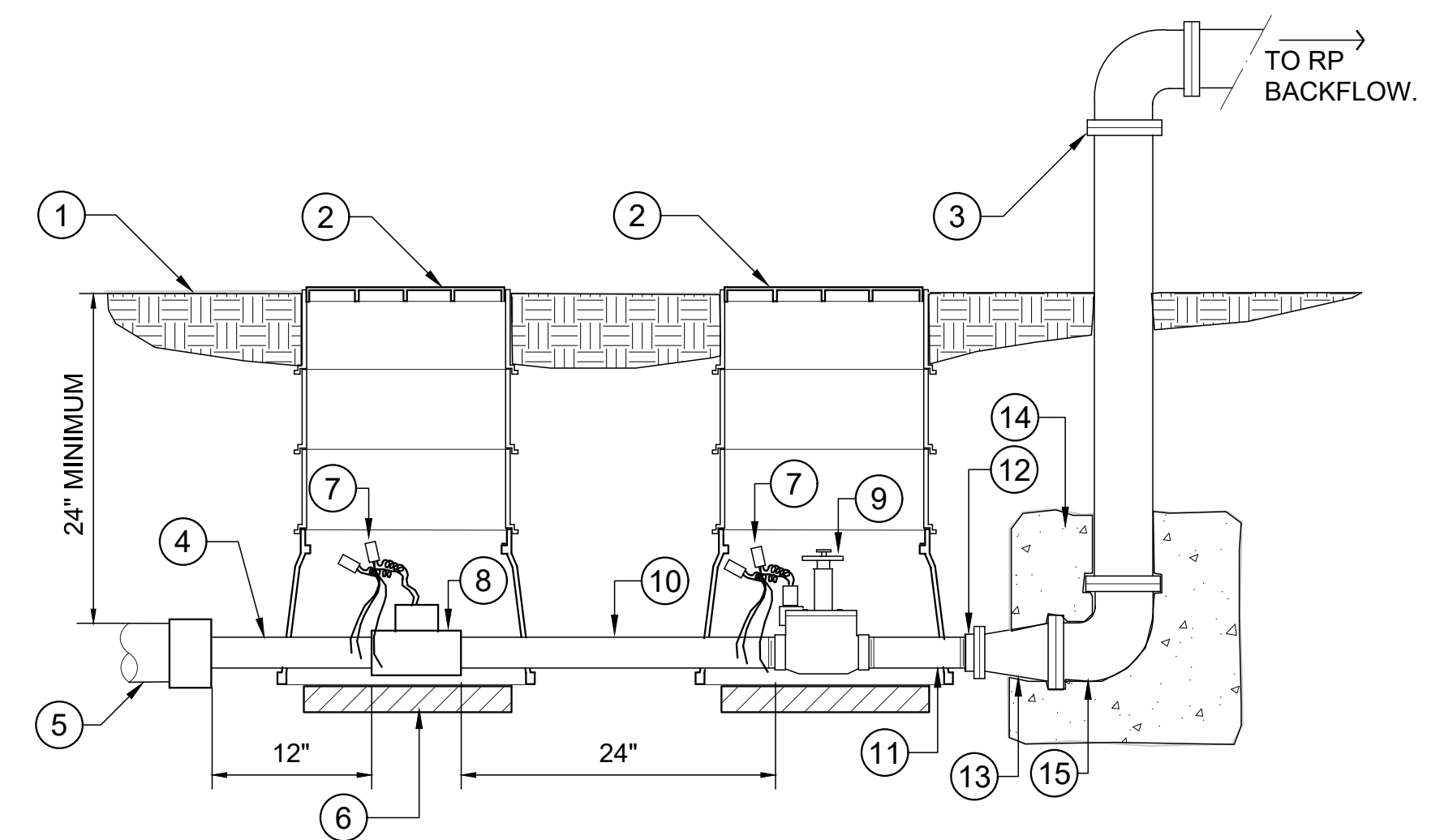


- LEGEND**
- ① 10" DIAMETER VALVE BOX, HEAD BRAND "QCV" ON LID WITH 2" HIGH CHARACTERS
 - ② FINISHED GRADE
 - ③ 10" DIAMETER VALVE BOX
 - ④ FLUSH TO GRADE AT TURF
 - ⑤ 1" ABOVE GRADE AT SHRUBS
 - ⑥ QUICK COUPLER AS SPECIFIED
 - ⑦ GALVANIZED RISER AND ELBOW, QC INLET SIZE
 - ⑧ FOUR COMMON BRICKS AS SUPPORT UNDER BOX
 - ⑨ 1/2" WIRE CLOTH GOPHER SCREEN, WRAP UP SIDES
 - ⑩ MAIN LINE
 - ⑪ PVC MALE ADAPTER
 - ⑫ 60 LB CONCRETE TORQUE BLOCK

1 RP BACKFLOW W/ ENCLOSURE
1" = 1'-0" 328409.46-03

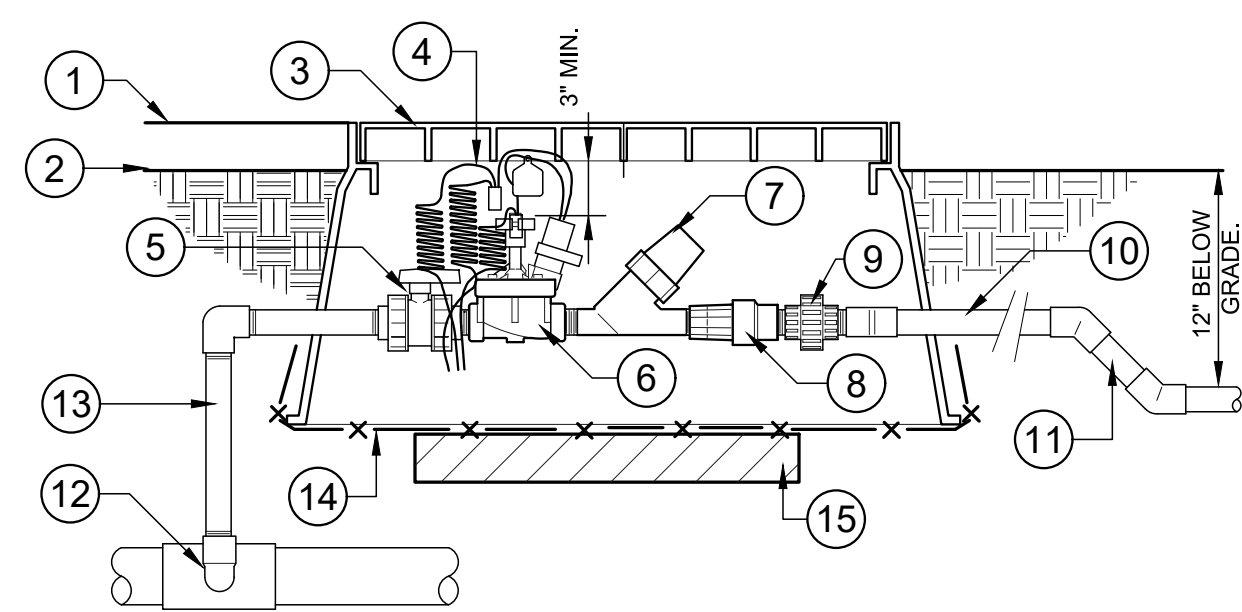
2 LMV-BB-SERIES GATE VALVE ASSEMBLY
NTS

3 QUICK COUPLING VALVE IN BOX ASSEMBLY
1 1/2" = 1'-0" 328406.43-03



- LEGEND**
- ① FINISHED GRADE
 - ② SPECIFIED RECTANGULAR VALVE BOXES WITH EXTENSIONS AS NEEDED
 - ③ 4" FLANGE ELBOW P.O.C.
 - ④ 2X12 PVC SCH 80 PIPING
 - ⑤ 4" PVC MAIN LINE WITH 2" REDUCING BUSHING
 - ⑥ 2X6X16 CONCRETE WALL CAPS, TWO PER BOX, ONE EACH SIDE
 - ⑦ WATER PROOF CONNECTORS
 - ⑧ FLOW METER AS SPECIFIED (2 WIRES TO CONTROLLER)
 - ⑨ MASTER VALVE AS SPECIFIED
 - ⑩ 2X24 PVC SCH 80 TOE PIPING
 - ⑪ PVC SCH 80 2"x8" NIPPLE
 - ⑫ 2" GALVANIZED FLANGE X 1 PT ADAPTER
 - ⑬ 2"x4" FLANGED REDUCER
 - ⑭ 18"x18"x18" CONCRETE SUPPORT BLOCK
 - ⑮ 4" FLANGED ELL

4 MASTER CONTROL VALVE AND FLOW SENSOR ASSEMBLY
1" = 1'-0" 328406.23-03

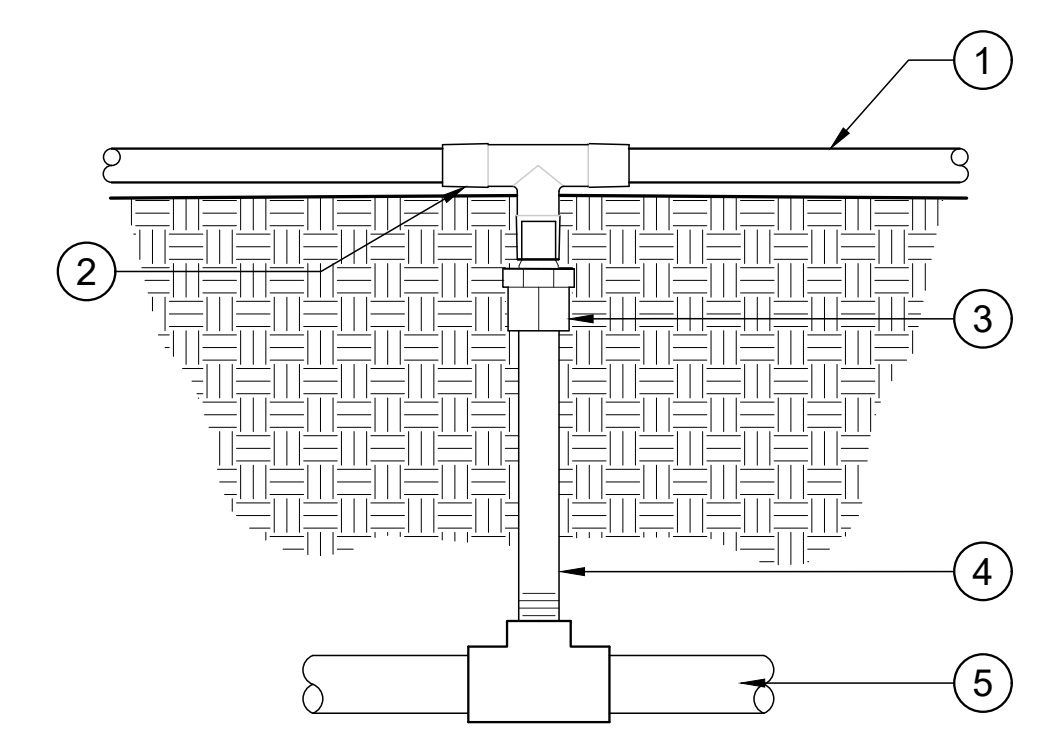


- LEGEND**
- ① SET BOX FLUSH AT TURF
 - ② 2" ABOVE GRADE AT SHRUBS
 - ③ 20" X 14" JUMBO PLASTIC VALVE BOX
 - ④ CONTROLLER WIRE WITH 30" LINEAR LENGTH OF COIL, WITH PLASTIC I.D. TAG AND WATERPROOF CONNECTORS
 - ⑤ PVC TRUE UNION BALL VALVE
 - ⑥ RCV AS SPECIFIED
 - ⑦ FILTER AS SPECIFIED
 - ⑧ PRESSURE REGULATOR AS SPECIFIED
 - ⑨ PVC UNION W/ SHORT NIPPLES
 - ⑩ OUTLET PIPE SAME SIZE AS VALVE, 24" MIN. LENGTH TO FIRST FITTING
 - ⑪ 45° DOWN AS REQ. TO LATERAL PIPE DEPTH.
 - ⑫ SXT TEE W/ 2" NIPPLE AT MAINLINE
 - ⑬ SCH. 80 RISER
 - ⑭ 1/2" WIRE CLOTH GOPHER SCREEN, WRAP UP SIDES
 - ⑮ TWO 6X2X16 CONCRETE BLOCK CAPS, ONE ON EACH SIDE OF THE BOX.

5 1" DRIP VALVE/FILTER/REGULATOR ASSEMBLY
1 1/2" = 1'-0" 328413.76-05

IRRIGATION NOTES: (CALTRANS)

1. THE SYSTEM DESIGN SHOWN IS BASED UPON A MINIMUM PRESSURE OF 60 PSI AT A MAXIMUM DISCHARGE OF 10 GPM. VERIFY PRESSURE AND FLOW ON SITE PRIOR TO CONSTRUCTION WORK AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE.
2. ALL WORK SHALL CONFORM TO LOCAL AND STATE CODES AND ORDINANCES AND THE PLANS, SPECIFICATIONS, DETAILS AND NOTES FOR THIS PROJECT. READ THOROUGHLY AND BECOME FAMILIAR WITH THE SPECIFICATIONS AND INSTALLATION DETAILS FOR THIS AND RELATED WORK PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, INCLUDING, BUT NOT LIMITED TO, UNDERGROUND UTILITIES AND STRUCTURES. COORDINATE ALL WORK WITH CIVIL, MECHANICAL, AND ELECTRICAL WORK AND TRADES TO MINIMIZE CONFLICTS. THE IRRIGATION CONTRACTOR IS NOT RESPONSIBLE FOR INSTALLATION OF SLEEVES.
4. LAYOUT SHOWN IS DIAGRAMMATIC. IRRIGATION PIPING AND COMPONENTS MAY BE SHOWN OUTSIDE PLANTING AREAS FOR CLARITY. INSTALL IRRIGATION PIPING AND WIRING IN LANDSCAPED AREAS WHENEVER POSSIBLE. INSTALL IRRIGATION VALVES IN SHRUB AREAS. LOCATE IRRIGATION CONTROL AND QUICK COUPLING VALVES ADJACENT TO HARDSCAPE FOR EASY ACCESS. AVOID CONFLICTS BETWEEN THE IRRIGATION SYSTEM, PLANTING MATERIAL, AND ARCHITECTURAL FEATURES.
5. DO NOT PROCEED WITH THE INSTALLATION OF THE SYSTEM WHEN IT IS EVIDENT THAT FIELD CONDITIONS OR DIFFERENCES EXIST THAT COULD NOT HAVE BEEN CONSIDERED IN ENGINEERING OR IF DISCREPANCIES IN CONSTRUCTION DRAWINGS, DETAILS, NOTES AND SPECIFICATIONS ARE DISCOVERED. BRING ALL SUCH DIFFERING FIELD CONDITIONS AND DISCREPANCIES TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
6. THE BACKFLOW PREVENTION DEVICE SHALL BE INSTALLED ABOVE GRADE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND AS SHOWN ON THE DETAILS AND DESCRIBED IN THE SPECIFICATIONS. INSTALL DEVICE IN AN INCONSPICUOUS LOCATION APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. CONTRACTOR SHALL INSTALL THE BACKFLOW PREVENTION DEVICE WITHIN A CAGE AND WITH A FREEZE BLANKET. FREEZE BLANKET SHALL BE SIZED TO FIT, GREEN IN COLOR WITH AN R30 INSULATION RATING.
7. SEE LEGEND FOR PIPING MATERIAL. SEE DRAWINGS AND LEGEND FOR PIPE SIZES. SIZE CALLOUTS ON DRAWINGS INDICATE NOMINAL PIPE SIZE. UNLABELED SECTIONS ARE THE NOMINAL SIZE OF THE PRECEDING CALLOUT. SUBSEQUENT CALLOUTS INDICATE CHANGE IN PIPE SIZE.
8. UNLESS OTHERWISE NOTED, TRENCHING DEPTHS FOR IRRIGATION SHALL BE 18" FOR MAINLINES AND 12" FOR LATERALS. DEPTH SHALL BE MEASURED FROM THE TOP OF PIPE TO FINISHED SOIL LEVEL.
9. ALL MAINLINES, LATERALS, AND CONTROL WIRES UNDER CONCRETE PAVEMENT SHALL BE INSTALLED IN PVC SLEEVES INSTALLED AS PART OF THE BASE BID.
10. PRIOR TO BACKFILLING, FLUSH AND TEST MAINS AND LATERALS. FLUSH MAINS BEFORE INSTALLING VALVES. FLUSH LATERALS BEFORE INSTALLING SPRINKLERS. SUBJECT MAINS TO HYDROSTATIC PRESSURE OF 1.5 TIMES THE ANTICIPATED OPERATING PRESSURE (MIN. 120 PSI) FOR TWO HOURS. SUBJECT LATERALS TO HYDROSTATIC PRESSURE EQUAL TO ANTICIPATED OPERATING PRESSURE. ALL FLUSHING SHALL BE DONE IN THE PRESENCE OF THE ARCHITECT. BACKFILL WITH CLEAN MATERIAL FROM EXCAVATION. REMOVE ROCKS AND DEBRIS LARGER THAN 1" DIAMETER.
11. INSTALL QUICK COUPLING VALVE ASSEMBLY AS SHOWN FOR IRRIGATION AND HARDSCAPE WASHDOWN WATER.
12. THE FINAL LOCATION OF THE IRRIGATION CONTROLLER SHALL BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. CONNECT THE CONTROLLER TO THE ELECTRICAL METER LOCATED WITHIN THE WELL ENCLOSURE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND LOCAL ELECTRICAL CODES.
13. INSTALL IRRIGATION SYSTEM CABLE CONTROL WIRE APPROVED FOR 2-WIRE SYSTEMS FROM THE CONTROLLER TO EACH REMOTE CONTROL VALVE, VALVE DECODER. COIL THREE(3) FEET OF WIRE IN EACH VALVE OR SPLICE BOX. USE WIRE SPLICE KITS APPROVED FOR TWO WIRE IRRIGATION CONTROL SYSTEMS. ALL WIRE SPLICES SHALL BE IN A 10" ROUND SPLICE BOX.
14. INSTALL GROUNDING RODS EVERY 500 FEET ALONG WIRE PATH. SEE PLANS FOR LOCATIONS. INSTALL ONE GROUNDING ROD APPROXIMATELY 25 FEET FROM IRRIGATION CONTROLLER. SEE DETAIL 6, SHEET IR-2.2.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE AND UNIFORM COVERAGE OF ALL PLANTED AREAS. ADJUST REMOTE CONTROL VALVE PRESSURE REGULATOR AND FLOW CONTROL TO BALANCE EACH LATERAL SYSTEM AND TO ENSURE PROPER VALVE CLOSURE TIME. SELECT AND ADJUST NOZZLES FOR BUBBLER SPRINKLERS TO ENSURE UNIFORM COVERAGE.



- LEGEND**
- ① TYPICAL 1/2" DRIP TUBING
 - ② COMPRESSION TEE
 - ③ 3/4" FPT X 1/2" DRIP TUBING ADAPTER
 - ④ 3/4" SCHEDULE 80 NIPPLE AS REQUIRED
 - ⑤ PVC LATERAL LINE

6 ABOVE GRADE PIPE TRANSITION POINT
3" = 1'-0" 328413.46-05

FILE NAME: 1274-0009-IRR.DWG PLOT DATE: 1/7/2022 2:17 PM BY: MICHAEL HAUSMAN

COUNTY OF SAN BENITO
DEPARTMENT OF PUBLIC WORKS
2301 TECHNOLOGY PARKWAY
HOLLISTER, CA 95023

SCALE: HORIZ: AS SHOWN
VERT: N/A
ORIGINAL SCALE IN INCHES
FOR REDUCED PLANS
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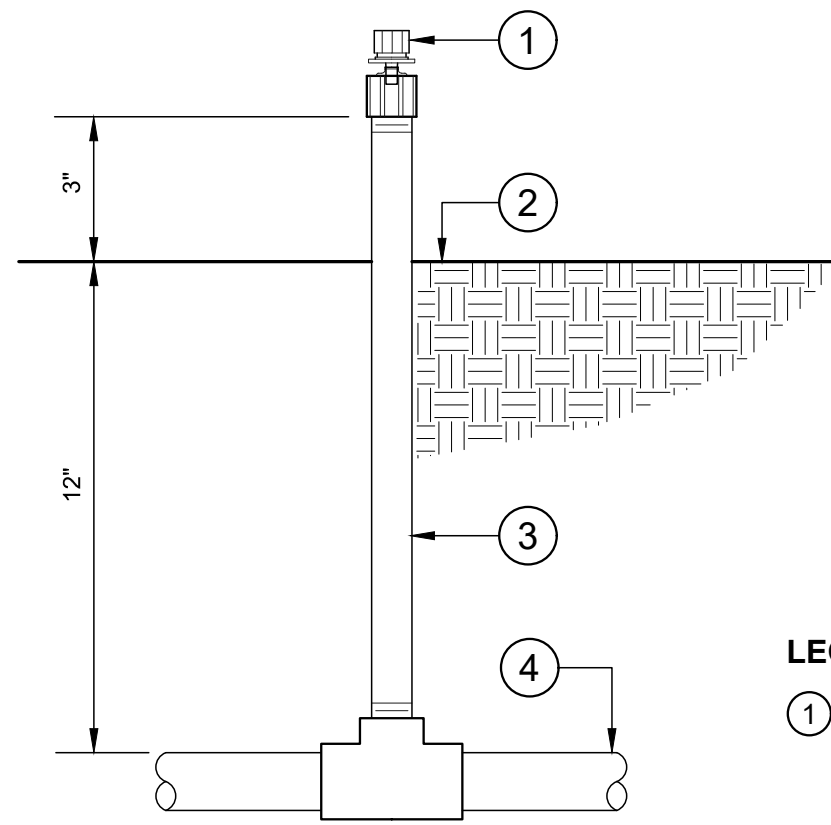
REVISIONS			
NO.	BY	DATE	DESCRIPTION

ACCEPTED BY:
Steve Loupe County Engineer 2/11/22
NAME: TITLE: DATE: RCE: 63575

**RIVERVIEW REGIONAL PARK
PARKING LOT
IRRIGATION DETAILS & NOTES
BID ALTERNATIVE**

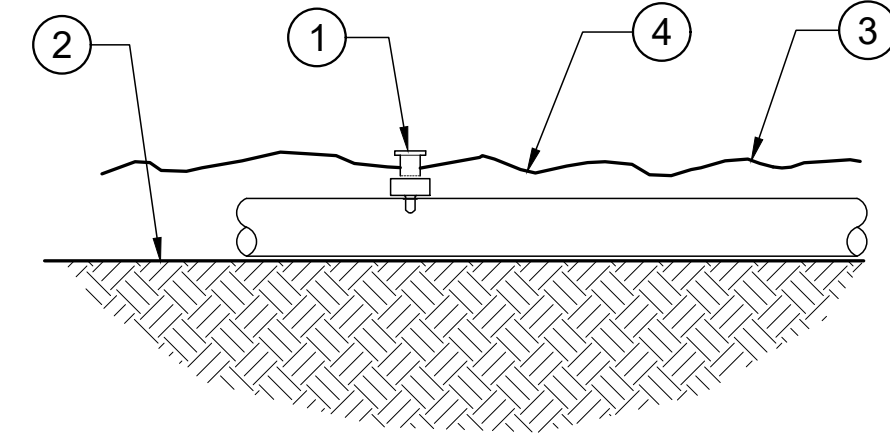
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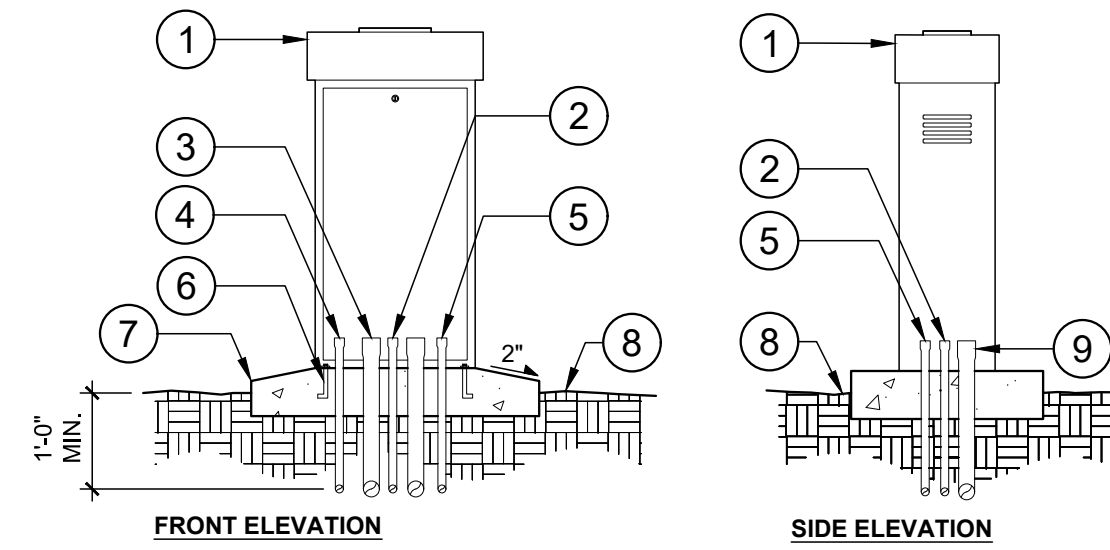
LEGEND

- ① DRIP BUBBLER ON 1/2" FPT X 10-32 THREAD ADAPTER
- ② FINISHED GRADE
- ③ SCHEDULE 80 NIPPLE AS REQUIRED
- ④ LATERAL LINE



LEGEND:

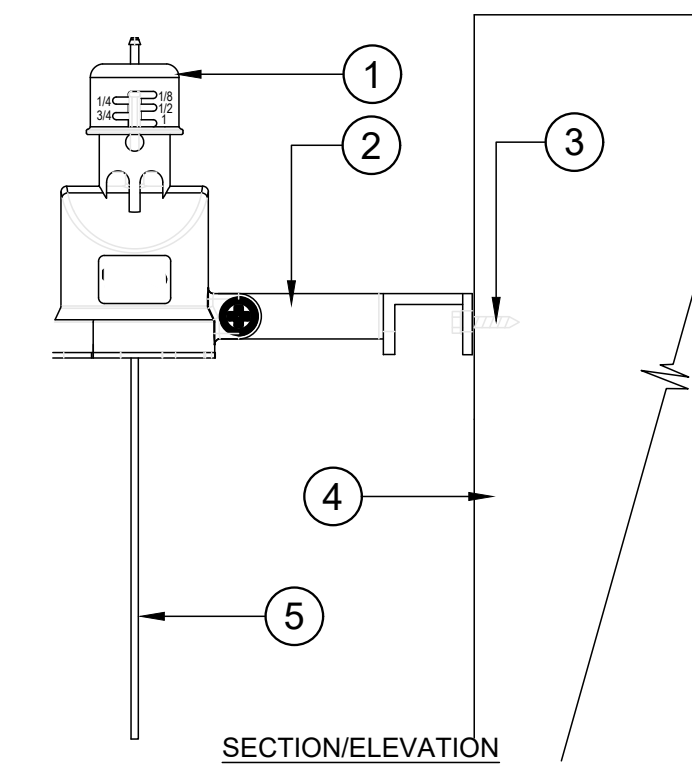
- ① DRIP EMITTER ADDED TO INLINE DRIPLINE AT TREES
- ② FINISH GRADE
- ③ MULCH AS OCCURS
- ④ DRIPLINE



NOTES:

1. COMMON AND CONTROLLER WIRE TO BE BUNDLED USING ELECTRICAL TAPE AT 10'-0" ON CENTER.
2. GROUNDING RODS SHALL BE LOCATED BETWEEN 8'-0" AND 12'-0" AWAY FROM THE CONTROLLER. GROUNDING RODS SHALL BE 3/8" IN DIAMETER X 8' IN LENGTH. CONNECT THE GROUNDING ROD TO THE CONTROLLER USING 6 GAUGE BARE COPPER WIRE OR PER THE MANUFACTURER'S SPECIFICATIONS. SEE GROUNDING ROD DETAIL.
3. ET STATION TO BE INSTALLED NO FURTHER THAN 90' AWAY FROM THE CONTROLLER AND A MINIMUM OF 15' OFF OF THE GROUND, OUT FROM UNDER ANY OVERHEAD OBSTRUCTIONS SUCH AS, BUT NOT LIMITED TO BUILDING OVERHANGS, TREES, OR UTILITIES.

- ① PEDESTAL MOUNTED CONTROLLER (SEE IRRIGATION LEGEND FOR MAKE AND MODEL. INSTALL CONTROLLER PER MANUFACTURER SPECIFICATIONS)
- ② 1" PVC ELECTRICAL CONDUIT FOR GROUNDING WIRE
- ③ 2" PVC ELECTRICAL CONDUIT FOR REMOTE CONTROL WIRES UP TO 24 STATIONS
- ④ 1" PVC ELECTRICAL CONDUIT FOR INPUT POWER PER LOCAL AND NATIONAL CODES
- ⑤ 1" PVC ELECTRICAL CONDUIT FOR SENSOR WIRES
- ⑥ 1/2" x 4" CADIUM PLATED 'J' ANCHOR BOLTS AT FOUR LOCATIONS
- ⑦ CONCRETE FOOTING (INSTALL PER MANUFACTURER'S SPECIFICATION)
- ⑧ FINISHED GRADE
- ⑨ OPTIONAL 2" PVC ELECTRICAL CONDUIT FOR AN ADDITIONAL 24 STATIONS



- ① WIRELESS RAIN SENSOR, MODEL NO. TWRF5
- ① LEGEND
- ② ADJUSTABLE MOUNTING BRACKET
- ③ STEEL SELF DRILLING SHEET METAL SCREW
- ④ METAL LIGHT POLE
- ⑤ ANTENNA

NOTES:

1. MOUNT SENSOR VERTICALLY. AVOID PLACEMENT UNDER EVE OR TREE CANOPY. LOCATE WITHIN 300 FEET OF SENSOR RECEIVER AND CONTROLLER.
2. MOUNT SENSOR A MINIMUM OF 12-FEET ABOVE FINISHED GRADE ON WEST SIDE OF LIGHT POLE. SEE PLAN FOR LOCATION.
3. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. DO NOT SCALE DRAWINGS.
4. CONTRACTOR NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT: www.CADetails.com/info REFERENCE NUMBER 065-256b.

1 DRIP BUBBLER ON 1/2" PVC RISER

3" = 1'-0"

328413.19-23

2 SINGLE OUTLET DRIP EMITTER ON DRIPLINE

3" = 1'-0"

328413.19-34

3 PEDESTAL MOUNTED CONTROLLER

1/2" = 1'-0"

FX-IR-FX-CONT-04

4 WIRELESS RAIN/FREEZE SENSOR - POLE MOUNT

NOT TO SCALE

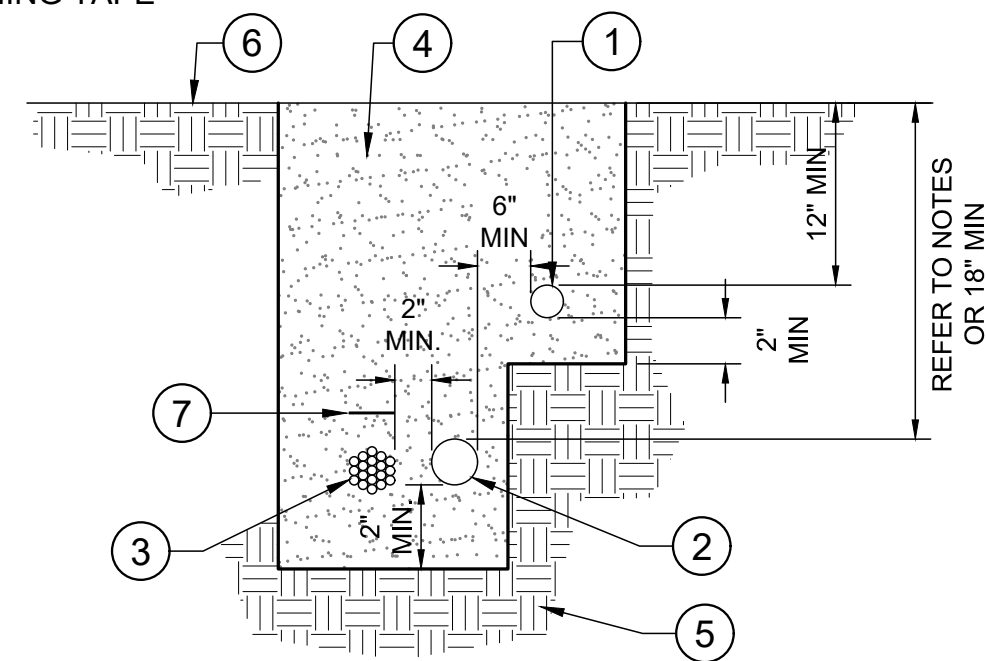
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LEGEND:

- ① LATERAL LINE (NON-PRESSURE)
- ② MAINLINE (PRESSURE)
- ③ CONTROL WIRE BUNDLE
- ④ APPROVED BACKFILL
- ⑤ UNDISTURBED SOIL
- ⑥ FINISH GRADE
- ⑦ WARNING TAPE

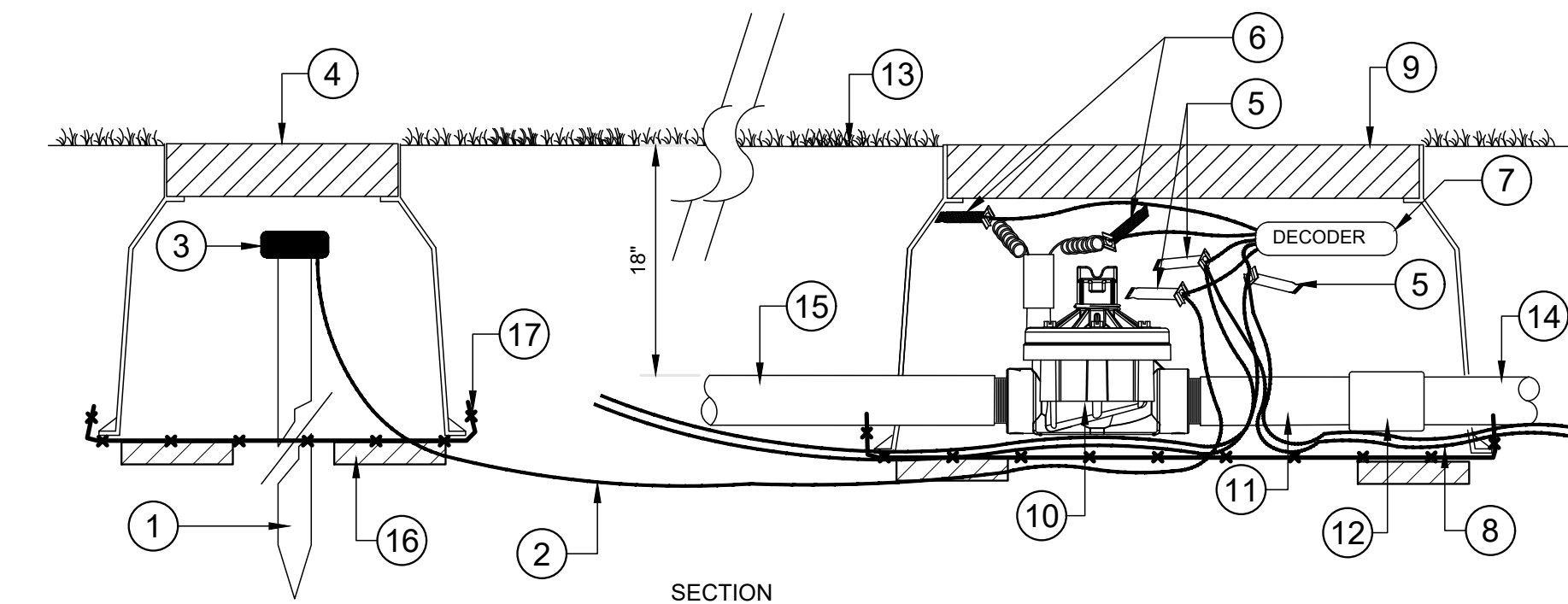
NOTES:

- A. ALL PIPE AND WIRE TO BE SLEEVED UNDER HARDSCAPE
- B. BUNDLE AND TAPE WIRE AT 10' INTERVALS
- C. ALL PLASTIC PIPING TO BE SNAKED IN TRENCH



328409.76-19

Scale: 1" = 1'-0"

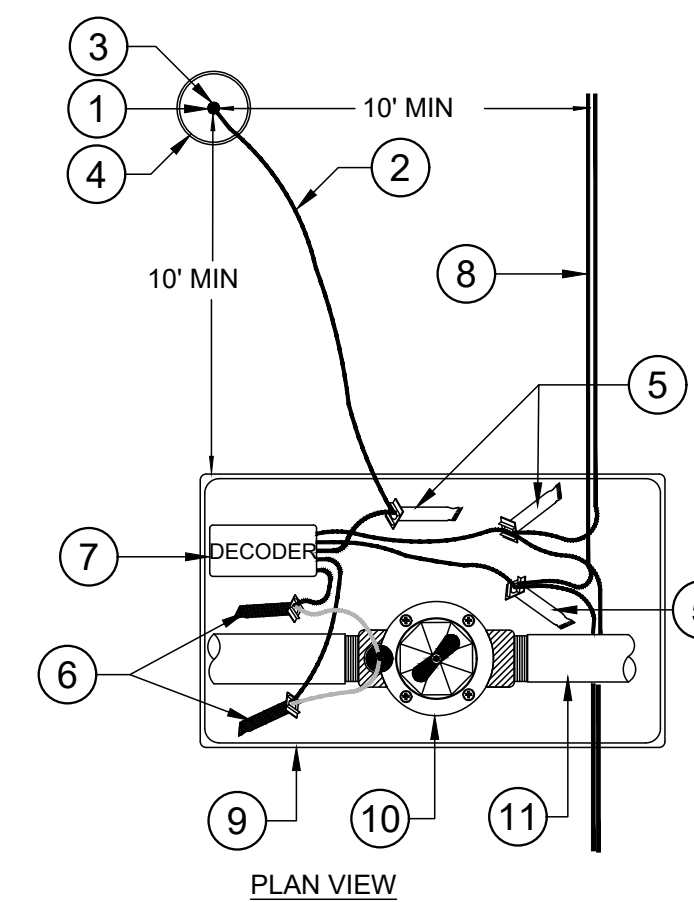


LEGEND

- ① 8' X 5/8" UL COPPER CLAD GROUND ROD
- ② 10' #6 SOLID COPPER GROUND WIRE - PLACE IN PVC CONDUIT BETWEEN BOXES
- ③ CAD WELD CONNECTOR
- ④ 10" ROUND PLASTIC VALVE BOX
- ⑤ DBR-6 CONNECTOR
- ⑥ DBY-6 CONNECTOR
- ⑦ VALVE DECODER - SEE IRRIGATION SCHEDULE
- ⑧ IDWIRE 1, 2 WIRE PATH - PLACE IN PVC CONDUIT BETWEEN BOXES
- ⑨ PLASTIC VALVE BOX WITH COVER
- ⑩ IRRIGATION CONTROL VALVE, SIZE PER PLAN
- ⑪ SCH 80 PVC NIPPLE
- ⑫ SCH 40 PVC COUPLING
- ⑬ FINISH GRADE
- ⑭ UV STABILIZED MAIN LINE
- ⑮ UV STABILIZED LATERAL LINE
- ⑯ TWO 6X2X16 CONCRETE BLOCK CAPS, ONE ON EACH SIDE OF THE BOX.
- ⑰ 1/2" WIRE CLOTH GOPHER SCREEN, WRAP UP SIDES

6 DECODER WIRE GROUNDING

SCALE: NTS



NOTES

- A. ALL T-SPLICES IN THE WIRE PATH SHALL BE MADE IN VALVE BOXES WITH DBR-6 OR EQUAL CONNECTORS.
- B. LEAVE 5 FEET SLACK IN ALL WIRE SPLICES FOR SERVICE OR INSPECTION
- C. BRING PIPES TO FINISH GRADE AS SHOWN IN DETAIL 2, THIS SHEET.

328409.79-02

5 TRENCHING

328409.76-19

Scale: 1" = 1'-0"

6 DECODER WIRE GROUNDING

SCALE: NTS

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ANN SEVER
 LANDSCAPE ARCHITECT

REVISIONS					
NO.	BY	DATE	DESCRIPTION	APPROVED BY	DATE

ACCEPTED BY:
Steve Loupe County Engineer 2/11/22

NAME: TITLE: DATE: RCE: 63575

**RIVERVIEW REGIONAL PARK
 PARKING LOT
 IRRIGATION DETAILS
 BID ALTERNATIVE**

IR-2.2

DESIGNED BY	DRAWN BY	CHECKED BY	JOB NUMBER	DATE	SHEET	OF
SLB	SLB	EAS	1274-0009	1/7/2022	14	14