

DRAWINGS FOR FERRY LANDSIDE IMPROVEMENT PROJECT IN THE CITY OF SAUSALITO

CITY PROJECT NO. 03.01.001
FERRY TERMINAL AT DOWNTOWN PARKING LOT 1
ANCHOR STREET AND TRACY WAY
JUNE 2024

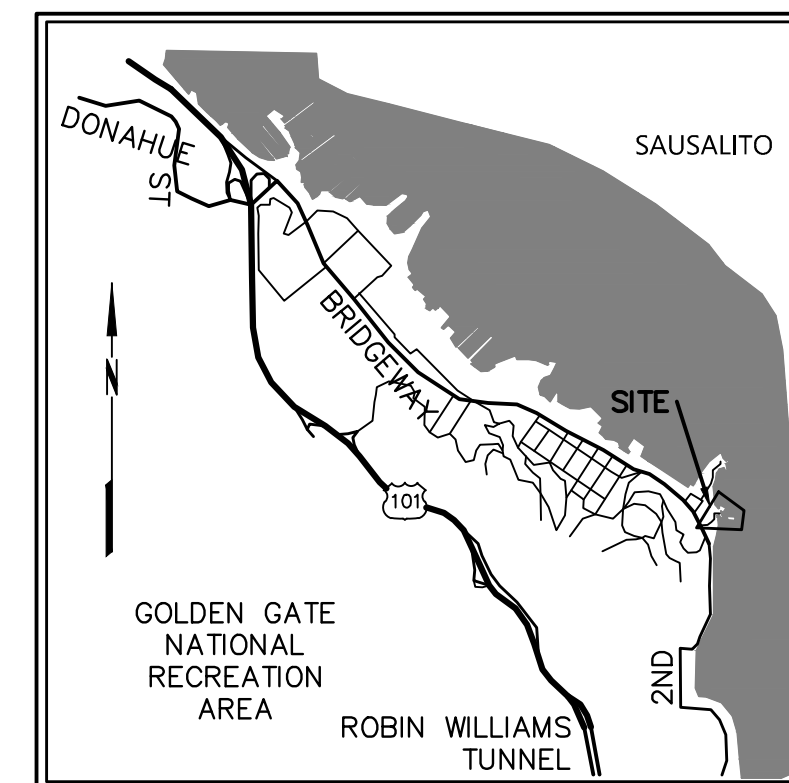


CIVIL ENGINEER: BKF ENGINEERS
200 4TH ST, STE. 300
SANTA ROSA, CA. 95401
PH: (707) 583-8500

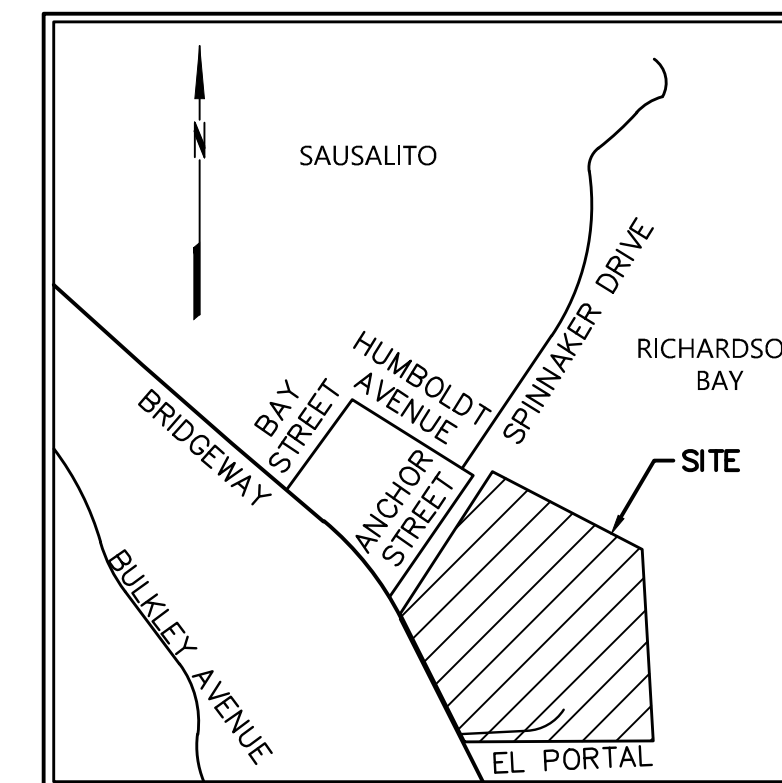
ELECTRICAL ENGINEER: CAPITAL ENGINEERING CONSULTANTS, INC
11020 SUN CENTER DRIVE
RANCHO CORDOVA, CA 95670
PH: (916) 851-3500

LANDSCAPE ARCHITECT: RHAA LANDSCAPE ARCHITECTURE + PLANNING
225 MILLER AVENUE
MILL VALLEY, CA 94941
PH: (415) 383-7900

LAND SURVEYOR: BKF ENGINEERS
200 4TH ST, STE. 300
SANTA ROSA, CA. 95401
PH: (707) 583-8500



LOCATION MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

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STATEMENT OF APPROVAL

APPROVAL OF THESE PLANS DOES NOT RELEASE THE CONTRACTOR OF THE RESPONSIBILITY FOR CORRECTIONS OF MISTAKES, ERRORS OR OMISSIONS CONTAINED THEREIN. IF DURING THE COURSE OF CONSTRUCTION OF THE IMPROVEMENTS, PUBLIC INTEREST REQUIRES A MODIFICATION FOR A DEPARTURE FROM SPECIFICATIONS AND DETAILS OF THE CITY OF SAUSALITO OR THESE PLANS, THE PUBLIC WORKS DIRECTOR SHALL HAVE THE AUTHORITY TO REQUIRE SUCH MODIFICATION OR DEPARTURE AND TO SPECIFY SUCH MODIFICATION OR DEPARTURE TO SPECIFY THE MANNER IN WHICH THE SAME IS TO BE MADE.

APPROVED FOR THE CITY OF SAUSALITO

BY: KEVIN MCGOWAN
DIRECTOR OF PUBLIC WORKS

DATE

C1.0

1 OF 38

FERRY LANDSIDE IMPROVEMENT PROJECT
APN 065-073-03
SAUSALITO, CALIFORNIA

PROJECT INFORMATION

No. 1
Date: JUNE 2024
Scale: AS SHOWN
Design: BD
Drawn: SR
Approved: BD
Job No: 20191036

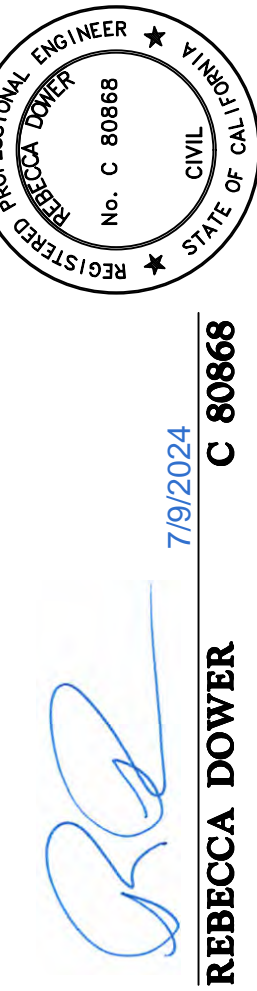
Drawing Number:

C1.0

1 OF 38



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REBECCA DOWER
C 80868

GENERAL

THE DESIGN PROFESSIONAL WHO PREPARED THESE DRAWINGS IS NOT RESPONSIBLE FOR THE MISUSE OF OR UNAUTHORIZED CHANGES MADE TO THESE DRAWINGS. THE CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION FROM THE DESIGN PROFESSIONAL WHO PREPARED THESE DRAWINGS PRIOR TO MAKING CHANGES.

THE CONTRACTOR SHALL:

FURNISH AND INSTALL MATERIALS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS OF THE CITIES AND COUNTY OF MARIN DATED JUNE 1992, THE UNIFORM CONSTRUCTION STANDARDS OF THE CITIES AND COUNTY OF MARIN DATED MAY 2008, AND THE STATE STANDARD PLANS (CURRENT EDITION) AND STATE STANDARD SPECIFICATIONS (CURRENT EDITION).

OBTAIN RELEVANT PERMITS AND APPROVALS REQUIRED BY GOVERNING AGENCIES PRIOR TO COMMENCING WORK.

ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION FOR THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT APPLIES CONTINUOUSLY, AND IS NOT LIMITED TO NORMAL WORKING HOURS.

HOLD HARMLESS, INDEMNIFY AND DEFEND THE OWNER, THE DESIGN PROFESSIONAL, THEIR CONSULTANTS AND THE CITY OF SAUSALITO, FROM LIABILITY, REAL OR ALLEGED IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE WILLFUL MISCONDUCT OR SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.

SUBMIT A TRAFFIC CONTROL PLAN TO THE DEPARTMENT OF PUBLIC WORKS AND OBTAIN APPROVAL PRIOR TO COMMENCING WORK IN THE PUBLIC RIGHT-OF-WAY.

PROVIDE A PROPERLY SIGNED ALTERNATE ACCESSIBLE ROUTE OF TRAVEL IF CONSTRUCTION ACTIVITIES IMPACT PEDESTRIAN ACCESS. THIS REQUIREMENT APPLIES CONTINUOUSLY, AND IS NOT LIMITED TO NORMAL WORKING HOURS.

CONTACT UNDERGROUND SERVICE ALERT (811) AT LEAST 48-HOURS BEFORE EXCAVATING.

PROPERLY MUFFLE EQUIPMENT AND LIMIT CONSTRUCTION HOURS TO 8:00 AM TO 5:00 PM MONDAY THROUGH FRIDAY, AND 9:00 AM TO 4:00 PM ON SATURDAY, EXCLUDING HOLIDAYS. THIS RESTRICTION INCLUDES THE STARTUP OF MOTOR VEHICLES AND OTHER HEAVY EQUIPMENT.

REPAIR DAMAGE TO FACILITIES OCCURRING AS A RESULT OF CONSTRUCTION ACTIVITIES TO RETURN THEM TO THEIR CONDITION PRIOR TO CONSTRUCTION. IF THE CONTRACTOR DOES NOT ACT PRUDENTLY, THE CITY OF SAUSALITO MAY, AT ITS DISCRETION PERFORM THE CORRECTION AND CHARGE THE CONTRACTOR FOR COSTS INCURRED.

PROVIDE RECORD DRAWINGS TO THE OWNER'S REPRESENTATIVE WHICH INCLUDE IMPROVEMENTS WHICH DEVIATE FROM AND IMPROVEMENTS NOT SHOWN ON THE ORIGINAL DESIGN DRAWINGS.

GRADING

PERFORM GRADING TO WITHIN 0.10-FEET OF THE LINES AND ELEVATIONS SHOWN ON THE CONSTRUCTION DRAWINGS.

REMOVE MATERIAL WHICH WILL NOT BE USED ON SITE AS IT IS EXCAVATED AND DISPOSE OF IN ACCORDANCE WITH THE GOVERNING AGENCY'S REQUIREMENTS.

MAINTAIN A CLEAN CONSTRUCTION SITE TO PREVENT THE INTRODUCTION OF FOREIGN MATERIALS INTO THE STORM WATER CONVEYANCE SYSTEM. ACTIVITY DURING CONSTRUCTION WHICH RESULTS IN THE DISCHARGE OF POLLUTANTS TO THE STORM WATER CONVEYANCE SYSTEM IS IN VIOLATION OF THE MARIN COUNTY CODE OF ORDINANCES AND THE SAN FRANCISCO BAY REGIONAL WATER QUALITY CONTROL BOARD'S REGULATIONS.

PROVIDE DUST CONTROL THROUGHOUT THE DURATION OF THE CONSTRUCTION PROJECT TO MINIMIZE AIRBORNE POLLUTANTS.

STOP WORK IF CONTAMINATED MATERIAL IS ENCOUNTERED. PREPARE A WORK PLAN AND ACQUIRE APPROVAL IN WRITING FROM THE CITY OF SAUSALITO FIRE DEPARTMENT AND THE SAN FRANCISCO BAY REGIONAL WATER QUALITY CONTROL BOARD PRIOR TO RESUMING WORK.

STOP WORK AND NOTIFY THE OWNER'S REPRESENTATIVE AND THE CITY OF SAUSALITO LIAISON IF REMAINS OF PREHISTORIC OR HISTORIC HUMAN ACTIVITIES ARE ENCOUNTERED. CONTACT THE MARIN COUNTY CORONER IF HUMAN REMAINS ARE ENCOUNTERED. THE OWNER WILL RETAIN THE SERVICES OF A QUALIFIED ARCHAEOLOGIST APPROVED BY THE CITY OF SAUSALITO TO EVALUATE THE SITUATION AND MAKE RECOMMENDATIONS FOR TREATMENT OF THE RESOURCE. THE CONTRACTOR SHALL PROCEED WITH WORK AT THE OWNER'S DIRECTION IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE ARCHAEOLOGIST.

UTILITIES

EXPOSE EXISTING UTILITIES PRIOR TO TRENCHING TO VERIFY THE ALIGNMENTS AND ELEVATIONS OF THE UTILITIES, AND TO VERIFY DESIGN ASSUMPTIONS. EXISTING UTILITIES MAY REQUIRE RELOCATION AND/OR PROPOSED IMPROVEMENTS MAY REQUIRE GRADE OR ALIGNMENT REVISION DUE TO FIELD CONDITIONS. IF THE EXPOSED UTILITY IS DETERMINED TO BE IN A LOCATION WHICH IS NOT REFLECTED BY THE CONSTRUCTION DOCUMENTS, NOTIFY THE ENGINEER IN WRITING SO THAT APPROPRIATE ADJUSTMENTS CAN BE MADE.

REPORT UTILITY CONFLICTS TO THE OWNER'S REPRESENTATIVE IN WRITING AS THEY ARE ENCOUNTERED SO THAT THE OWNER AND OWNER'S REPRESENTATIVE CAN MAKE A DECISION AS TO HOW THE CONTRACTOR SHOULD PROCEED WITH THE WORK.

UNLESS OTHERWISE NOTED, PROVIDE CLASS III REINFORCED CONCRETE PIPE (RCP), OR HIGH DENSITY POLYETHYLENE PIPE (HDPE) WHERE ANNOTATED AS STORM DRAIN (SD) ON THE CONSTRUCTION DRAWINGS.

PROVIDE TRENCHING IN ACCORDANCE WITH THE UNIFORM CONSTRUCTION STANDARDS OF THE CITIES AND COUNTY OF MARIN DRAWING NUMBERS 330, 340 AND 350.

EXISTING UNDERGROUND FACILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND HAVE BEEN LOCATED BASED ON TOPOGRAPHIC FEATURES AND AVAILABLE INFORMATION. THE PROFESSIONAL WHO PREPARED THESE DRAWINGS, THE OWNER, AND THE CITY OF SAUSALITO ASSUME NO RESPONSIBILITY FOR THE ACCURACY OF THESE FACILITIES OR FOR THE INADVERTENT OMISSION OF RELATED INFORMATION.

THE CONTRACTOR IS CAUTIONED NOT TO ORDER PRECAST ITEMS OR INSTALL IMPROVEMENTS UNTIL CONFLICTS ARE RESOLVED. IMPROVEMENTS INSTALLED OR ORDERED PRIOR TO CONFLICT RESOLUTION SHALL BE DONE SOLELY AT THE CONTRACTOR'S RISK AND AT NO EXPENSE TO THE OWNER, THE DESIGN PROFESSIONAL, OR THE CITY OF SAUSALITO.

UTILITY CONFLICTS MAY OCCUR IN THOSE INSTANCES WHERE TWO GRAVITY UTILITIES CROSS AND LACK THE REQUIRED SEPARATION, OR IN THOSE INSTANCES WHERE AN EXISTING UTILITY HAS NOT BEEN IDENTIFIED IN THE CONSTRUCTION DOCUMENTS.

CROSSING UTILITIES WHICH HAVE BEEN IDENTIFIED IN THE CONSTRUCTION DOCUMENTS MAY NOT BE CONSTRUED AS UTILITY CONFLICTS. THE CONTRACTOR SHALL INSTALL GRAVITY UTILITIES TO THE LINES AND ELEVATIONS IDENTIFIED IN THE CONSTRUCTION DOCUMENTS AND INSTALL OTHER UTILITIES ABOVE OR BELOW GRAVITY UTILITIES WHILE COMPLYING WITH THE MINIMUM COVER REQUIREMENTS FOR EACH UTILITY INSTALLED.

UTILITY LENGTHS SHOWN REFLECT ROUNDED LENGTHS MEASURED HORIZONTALLY BETWEEN THE CENTERS OF STRUCTURES. THE CONTRACTOR SHALL VERIFY SLOPED UTILITY LENGTHS IN THE FIELD PRIOR TO ORDERING MATERIAL.

STRIPING AND SIGNING

STRIPING, PAVEMENT MARKINGS AND SIGNING SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE CALTRANS STANDARD PLANS AND STANDARD SPECIFICATIONS, THE CURRENT EDITION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

MAPPING

PRESERVE AND PERPETUATE EXISTING SURVEY MONUMENTATION WHICH WILL BE DISTURBED OR REMOVED TO FACILITATE THE PROPOSED IMPROVEMENTS. CITY HAS RETAINED THE SERVICES OF A LICENSED LAND SURVEYOR TO LOCATE SAID MONUMENTATION PRIOR TO DISTURBANCE. TO RE-ESTABLISH MONUMENTATION WHICH HAS BEEN DISTURBED AS A RESULT OF PROJECT CONSTRUCTION AND TO FILE THE APPROPRIATE DOCUMENTATION, PURSUANT TO BUSINESS AND PROFESSIONS CODE SECTION 8771, WITH THE MARIN COUNTY RECORDER ONCE CONSTRUCTION IS COMPLETE.

CITY OF SAUSALITO MONUMENTS ARE TO BE REPLACED IN ACCORDANCE WITH 2018 MARIN COUNTY UNIFORM CONSTRUCTION STANDARD DWG. NO. 300.

NATIONAL GEODETIC SURVEY (NGS) BENCHMARK PID HT1071 IS TO BE REPLACED IN ACCORDANCE WITH "BENCH MARK RESET PROCEDURES" PUBLISHED BY NGS IN 2011.

TOPOGRAPHIC INFORMATION SHOWN HEREON WAS OBTAINED FROM THE MAP PREPARED FOR THE SAUSALITO TERMINAL OF THE GOLDEN GATE FERRY IMPROVEMENT PROJECT PREPARED IN 2010 AND THE MUNI LOT 2 IMPROVEMENTS PROJECT PREPARED IN 2019 AND SUPPLEMENTED BY A FIELD SURVEY CONDUCTED BY BKF ENGINEERS IN SEPTEMBER 2020.

TREE TRUNK DIAMETERS ARE REFLECTED GRAPHICALLY AND WERE MEASURED AT CHEST HEIGHT (±48-INCHES). DRIPLINE DIAMETERS AND TREE SPECIES ARE APPROXIMATE ONLY AND SHOULD BE VERIFIED BY A CERTIFIED ARBORIST.

BENCHMARK: THE ELEVATIONS SHOWN HEREON ARE BASED ON A FOUND NGS BENCHMARK, NGS PID HT1074, NOAA PID 941 4806 TIDAL 30, STAMPED '30 1936', BEING A TIDAL STATION DISK FOR TIDE STATION, ID 9414806, SAUSALITO, SAN FRANCISCO BAY, AND HAVING A PUBLISHED ELEVATION OF 15.85 FEET (DATUM = MLLW, TIDAL EPOCH 1983-2001).

BASIS OF BEARINGS: THE BEARING OF N 56°08'46.5" W AS SHOWN ON THE RECORD OF SURVEY MAP FILED IN BOOK 3 OF SURVEYS AT PAGE 3, MARIN COUNTY RECORDS, BETWEEN FOUND MONUMENTS ON HUMBOLDT AVENUE AT JOHNSON STREET AND BAY STREET.

ABBREVIATIONS

Table with 2 columns: Abbreviation and Description. Includes items like AB (AGGREGATE BASE), AC (ASPHALT CONCRETE), AD (AREA DRAIN), APN (ASSESSOR'S PARCEL NUMBER), etc.

Table with 2 columns: Abbreviation and Description. Includes items like IR (IRRIGATION), LF (LINEAR FOOT), MAX (MAXIMUM), MH (MANHOLE), etc.

SYMBOLS & LEGEND

Legend showing symbols for existing and proposed features. Includes symbols for benchmarks, iron pipes, valves, manholes, street signs, trees, and various utility lines. Also includes a materials table and keynotes.

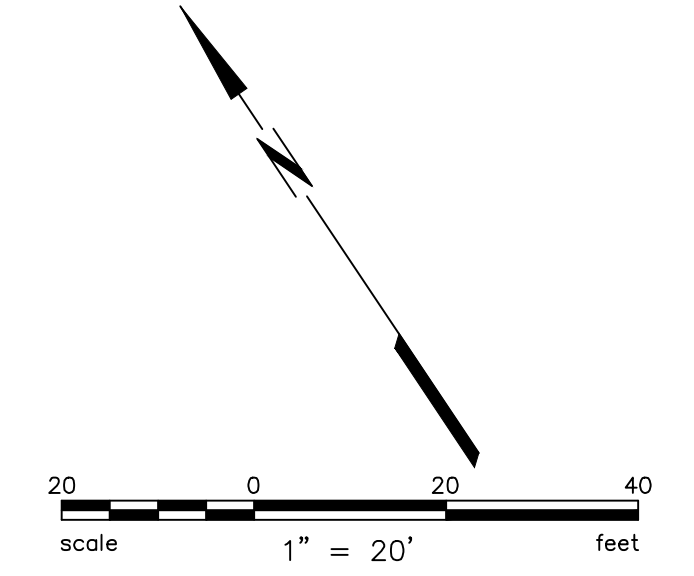
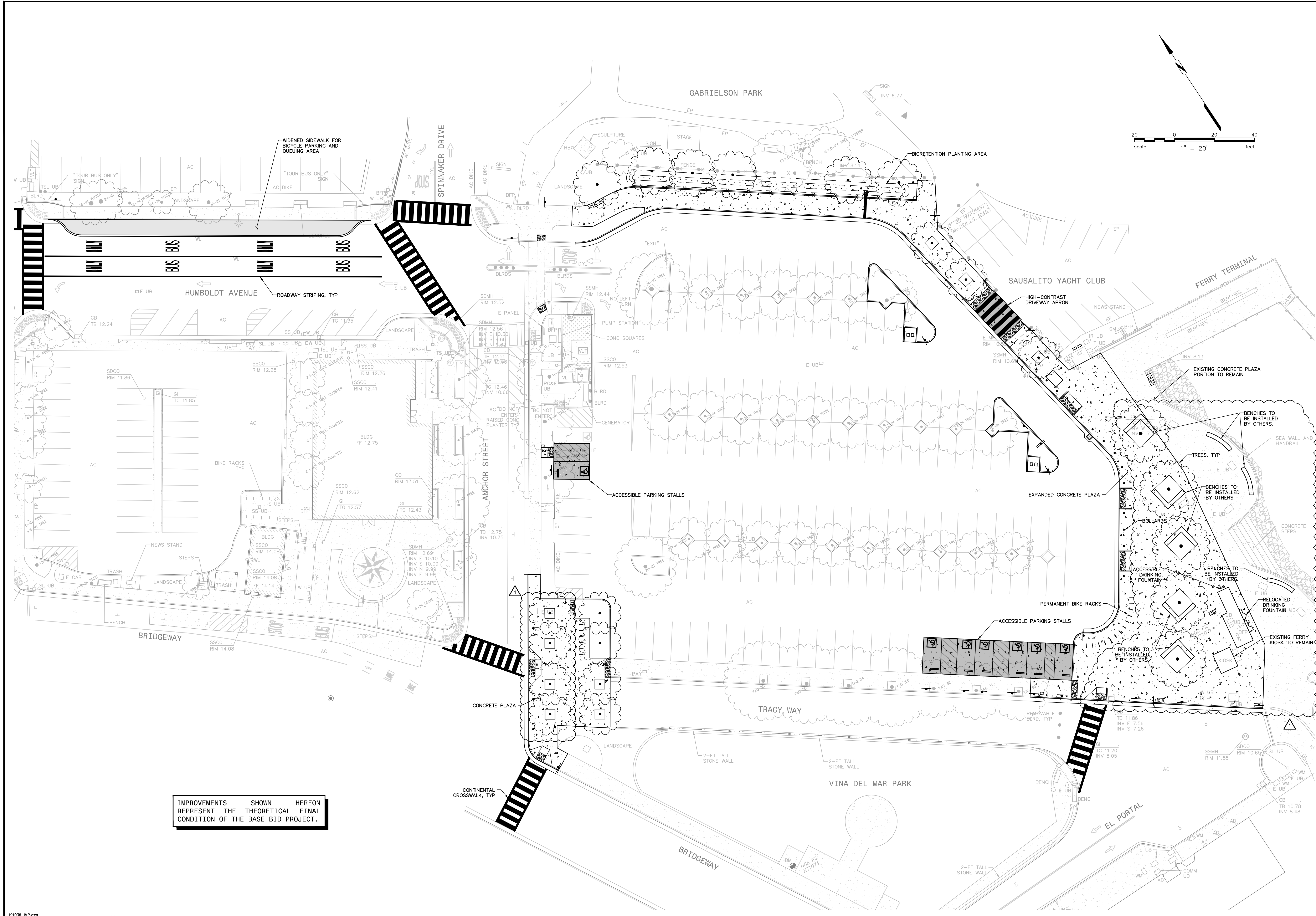
MATERIALS TABLE with columns: SURFACE TYPE, LOCATION, THICKNESS, CL2 BASE ROCK, NOTE. Includes rows for PEDESTRIAN CONCRETE, VEHICULAR CONCRETE, and PARKING AND DRIVEWAYS.

- 1. REFER TO THE LANDSCAPE DRAWINGS AND SPECIFICATIONS FOR JOINT DETAILS AND CONCRETE FINISH.
2. PROVIDE NUMBER 4 BARS AT 12-INCH ON CENTER AND EXPANSION JOINTS IN ACCORDANCE WITH THE CALTRANS STANDARD SPECIFICATIONS. CONCRETE TO HAVE A BROOMED FINISH.
3. 2-POUND DAVIS BLACK #8084 (OR EQUIVALENT) PER CUBIC YARD OF CONCRETE SHALL BE ADDED TO THE MIX.

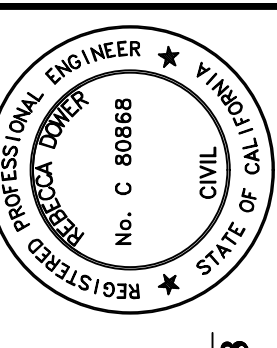
Professional Engineer seal for Rebecca Dower, No. C 80868, State of California. Includes BKF logo and contact information for BKF Engineers.

Project title block: FERRY LANDSIDE IMPROVEMENT PROJECT, CIVIL GENERAL NOTES, LEGEND, AND ABBREVIATIONS. Includes revision table, drawing number C2.0, and sheet number 2 OF 38.

Plot: Jul 08, 2024 at 8:06am



IMPROVEMENTS SHOWN HEREON REPRESENT THE THEORETICAL FINAL CONDITION OF THE BASE BID PROJECT.



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7/9/2024
C 80868

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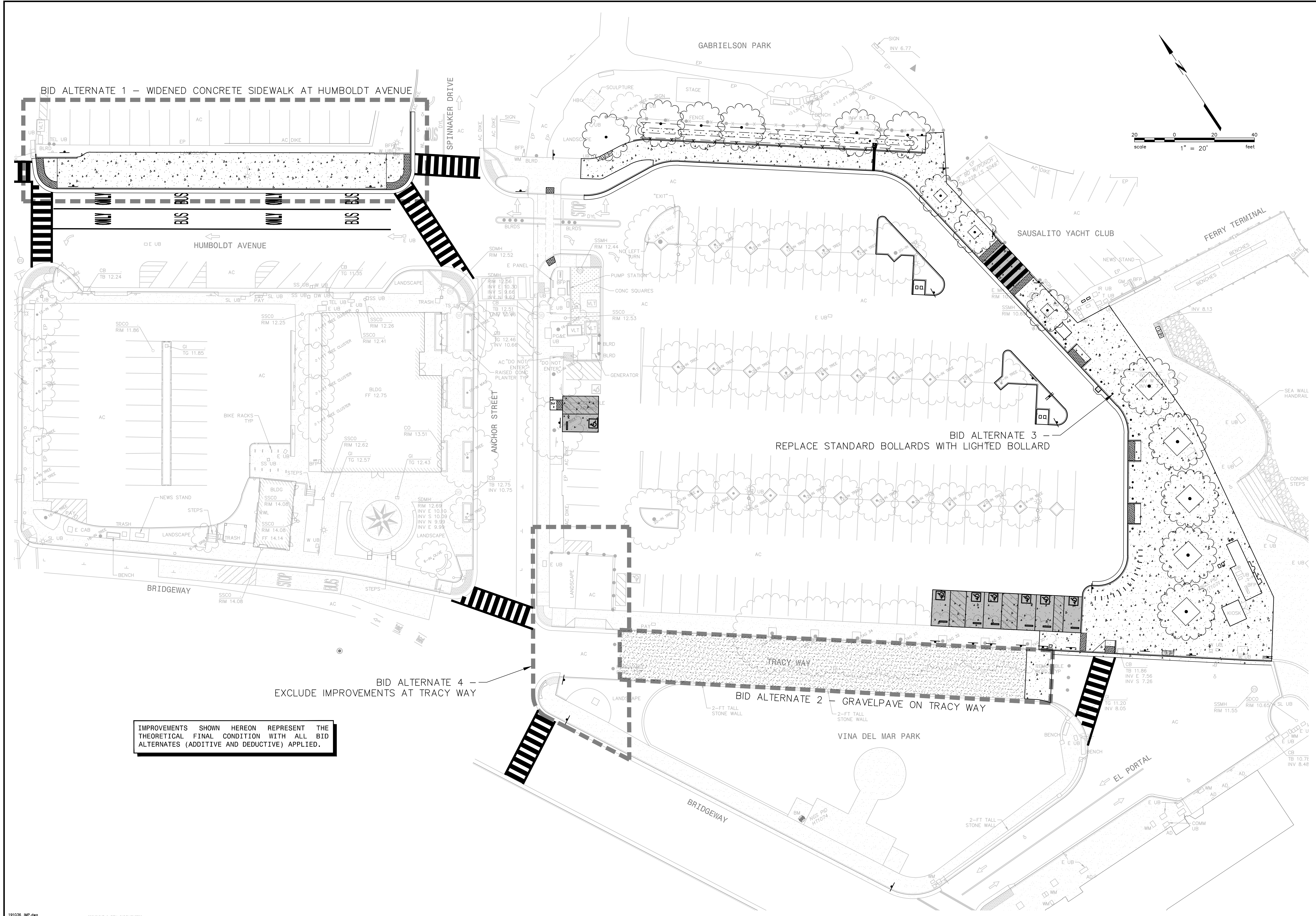
FERRY LANDSIDE IMPROVEMENT PROJECT
APN 065-073-03
SAUSALITO, CALIFORNIA

OVERALL SITE PLAN

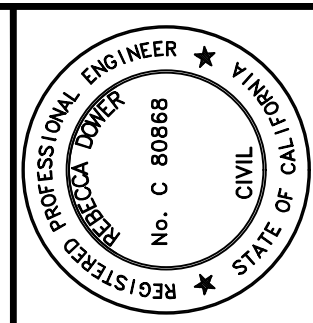
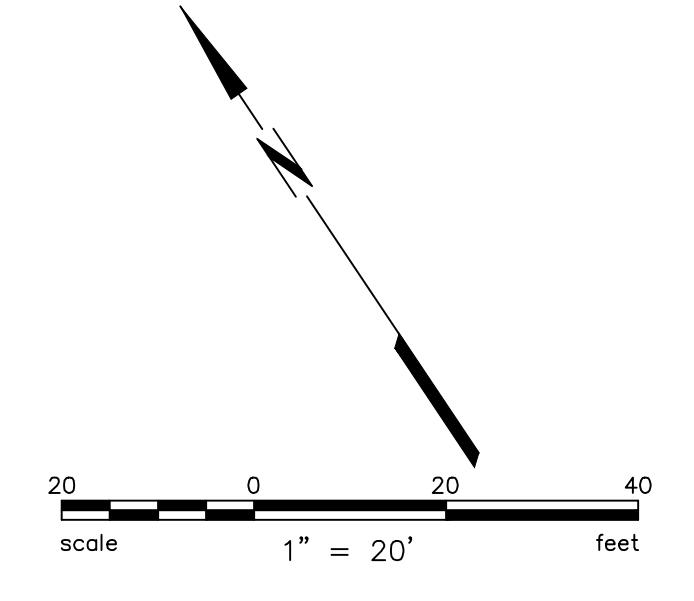
No.	Revisions	Date
1	BID ADDENDUM NO. 2	08/09/2024

Date: JUNE 2024
Scale: AS SHOWN
Design: BD
Drawn: SR
Approved: BD
Job No: 20191036

Drawing Number:
C3.0
3 OF 38



IMPROVEMENTS SHOWN HEREON REPRESENT THE THEORETICAL FINAL CONDITION WITH ALL BID ALTERNATES (ADDITIVE AND DEDUCTIVE) APPLIED.



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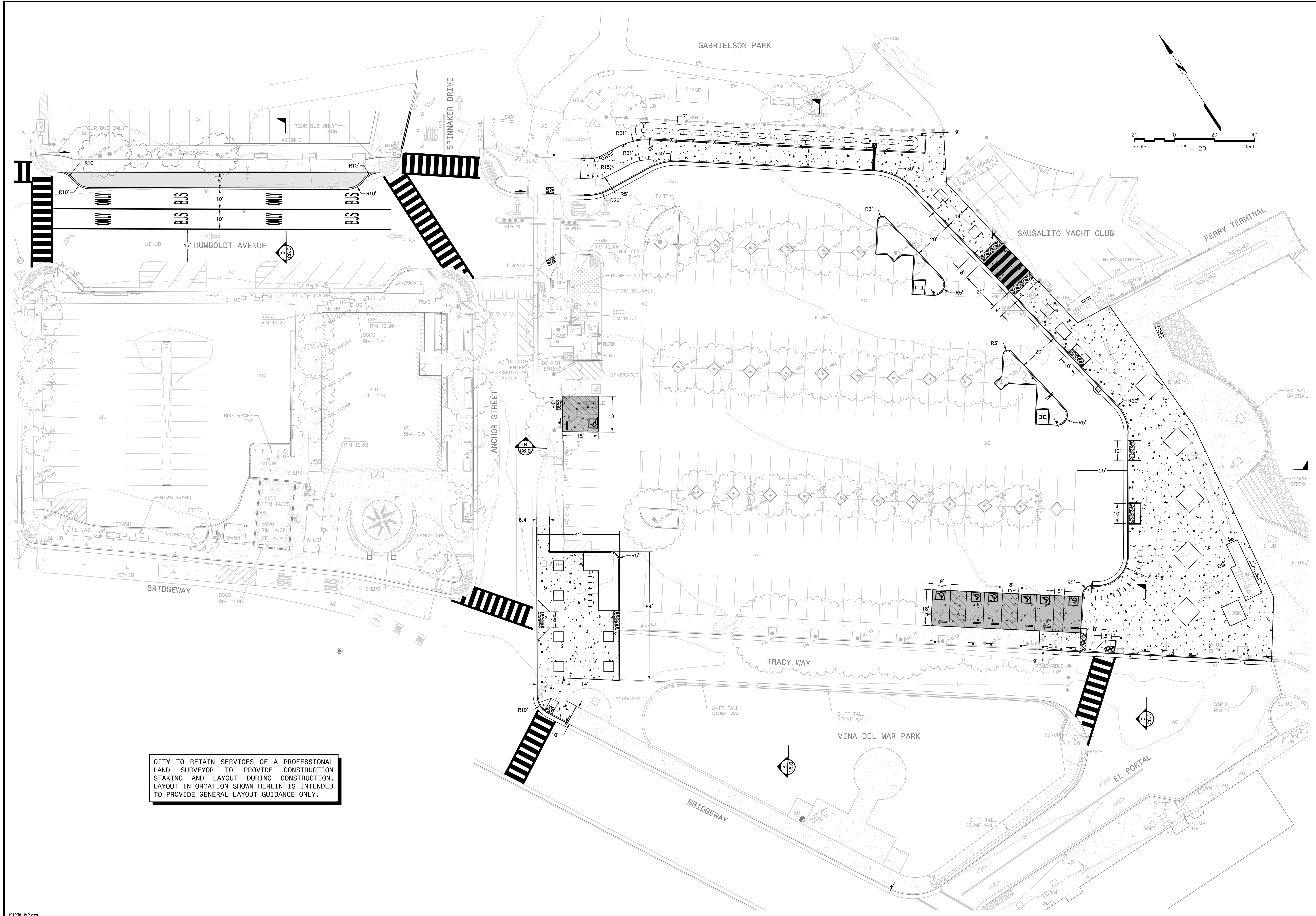


FERRY LANDSIDE IMPROVEMENT PROJECT
APN 065-073-03
SAUSALITO, CALIFORNIA

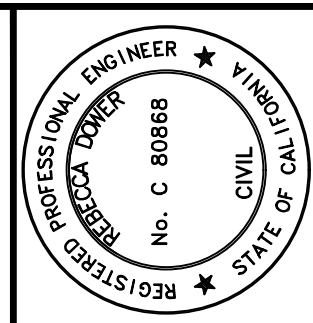
BID ALTERNATES PLAN

No.	Revisions	Date
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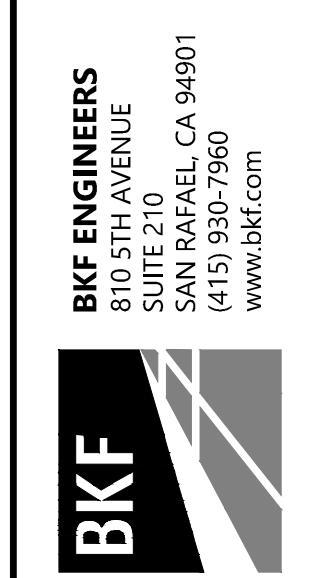
Date: JUNE 2024
Scale: AS SHOWN
Design: BD
Drawn: SR
Approved: BD
Job No: 20191036
Drawing Number:
C4.0
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CITY TO RETAIN SERVICES OF A PROFESSIONAL LAND SURVEYOR TO PROVIDE CONSTRUCTION STAKING AND LAYOUT DURING CONSTRUCTION. LAYOUT INFORMATION SHOWN HEREIN IS INTENDED TO PROVIDE GENERAL LAYOUT GUIDANCE ONLY.

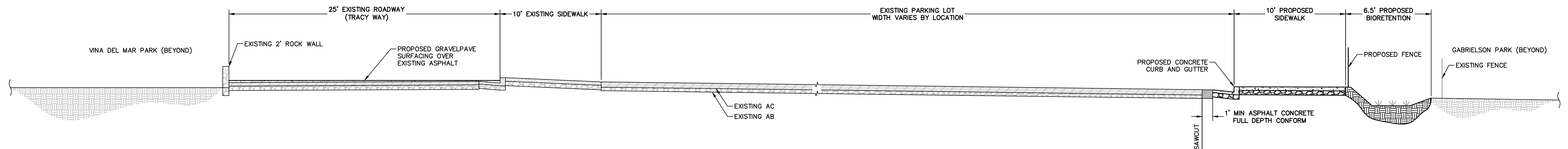


REBECCA DOWER
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7/9/2024

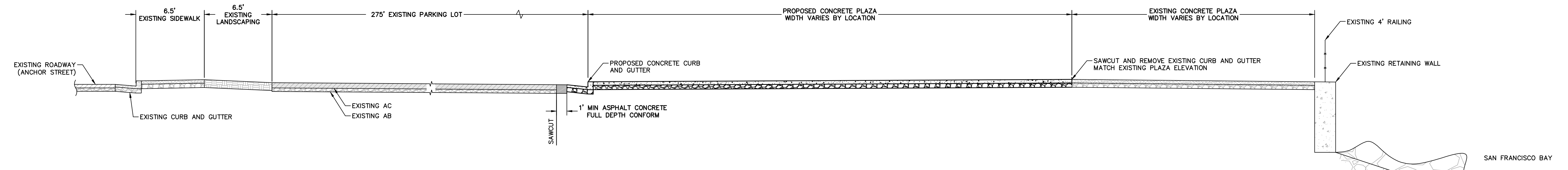


FERRY LANDSIDE IMPROVEMENT PROJECT
APN 065-073-03
SAUSALITO, CALIFORNIA
SITE LAYOUT AND HORIZONTAL CONTROL PLAN

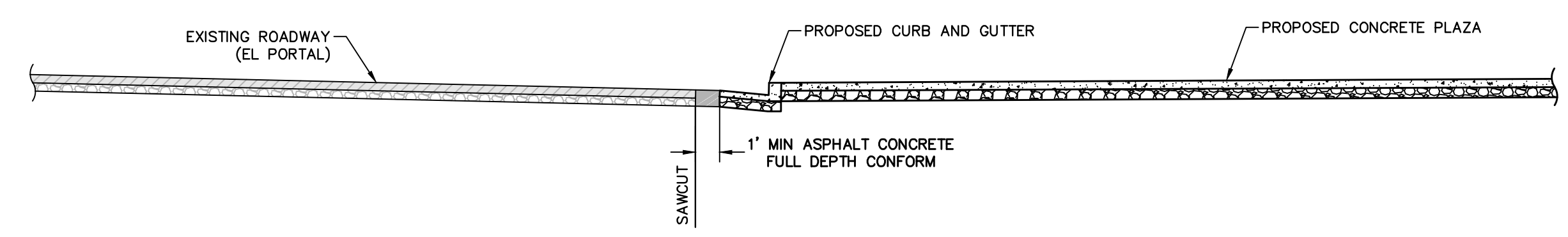
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Design: BD	No.	
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Approved: BD		
Job No: 20191036		
Drawing Number:		
C5.0		
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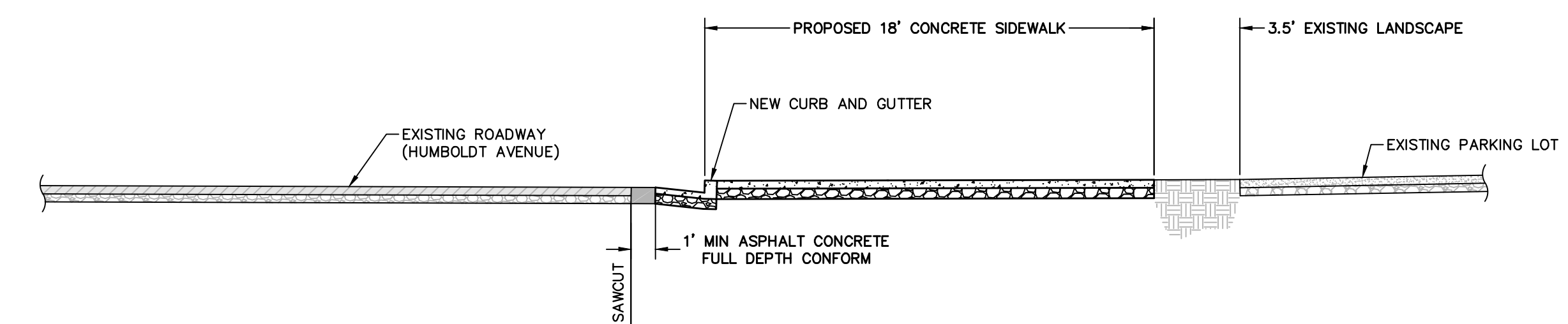
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SECTION B
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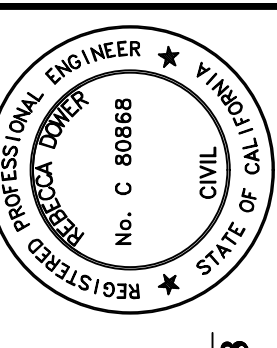


SECTION C
NO SCALE



SECTION D
NO SCALE

REFER TO SHEET C5.0 FOR SECTION CUT LOCATIONS.



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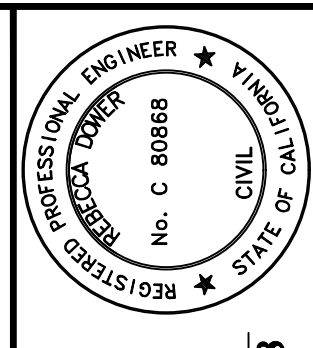
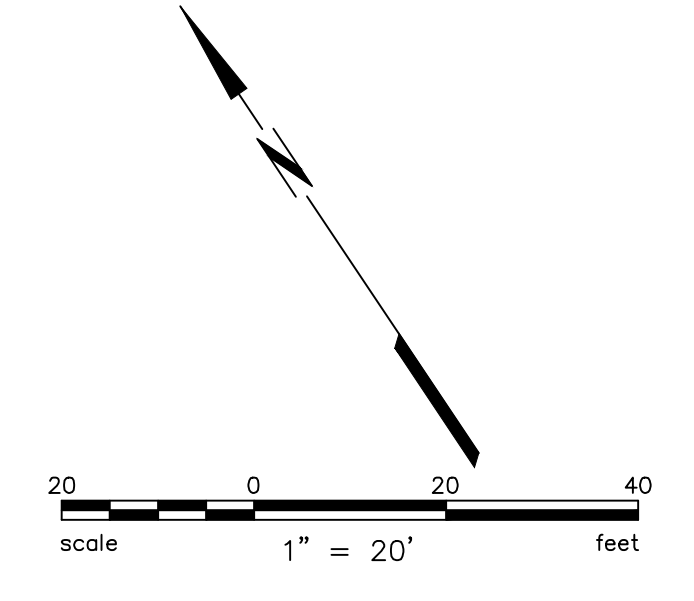
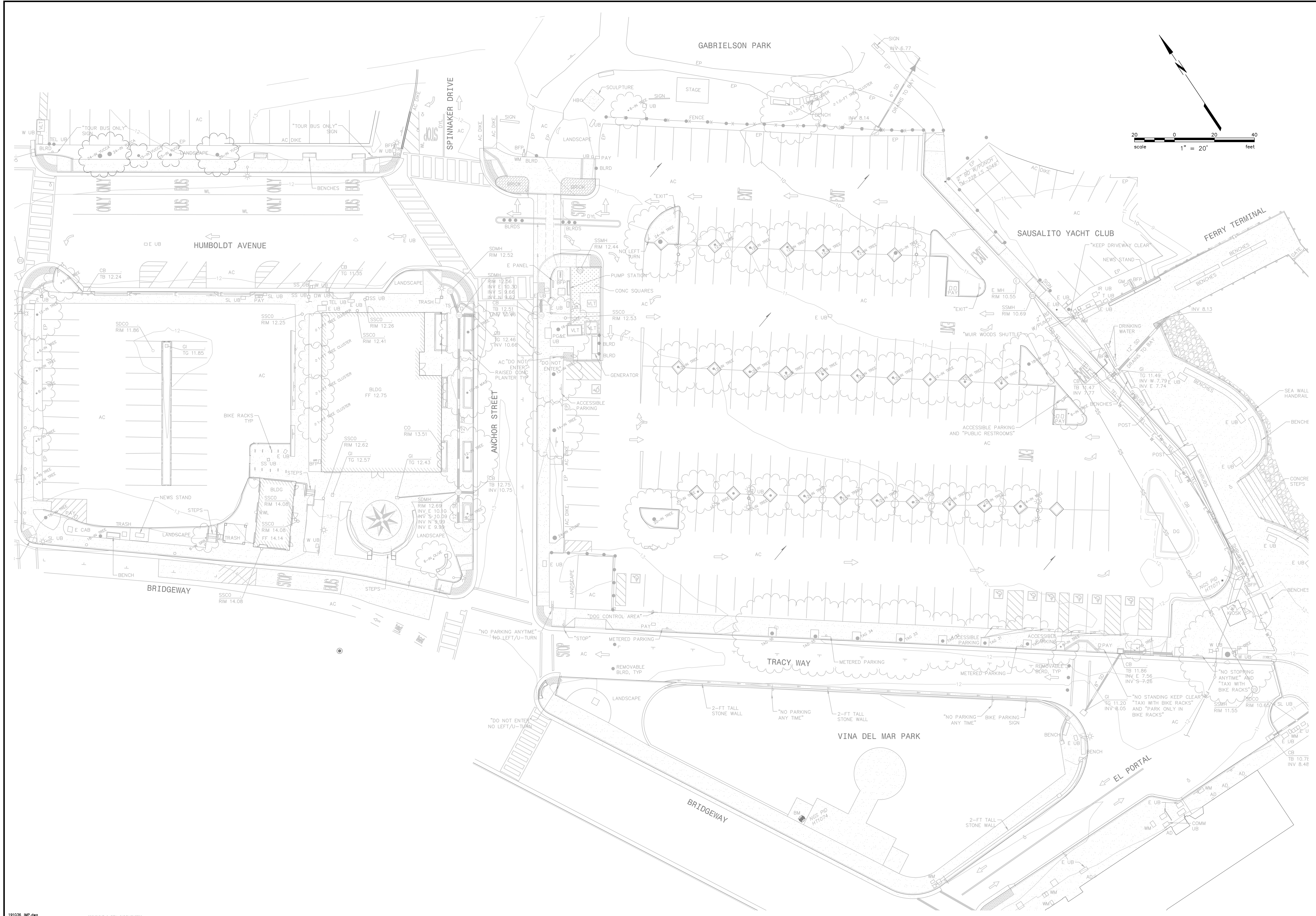


FERRY LANDSIDE IMPROVEMENT PROJECT
APN 065-073-03
SAUSALITO, CALIFORNIA

TYPICAL SECTIONS

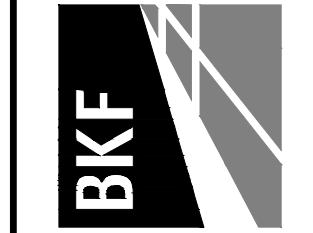
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Scale: AS SHOWN	BID ADDENDUM NO. 2	07/09/2024
Design: BD	No.	
Drawn: SR	Δ	
Approved: BD		
Job No: 20191036		

Drawing Number:
C6.0
6 OF 38



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FERRY LANDSIDE IMPROVEMENT PROJECT
APN 065-073-03
SAUSALITO, CALIFORNIA

EXISTING CONDITIONS PLAN

Date	Revisions	No.
07/09/2024 <td>BID ADDENDUM NO. 2 <td>1</td> </td>	BID ADDENDUM NO. 2 <td>1</td>	1
JUNE 2024 <td> <td>2</td> </td>	<td>2</td>	2

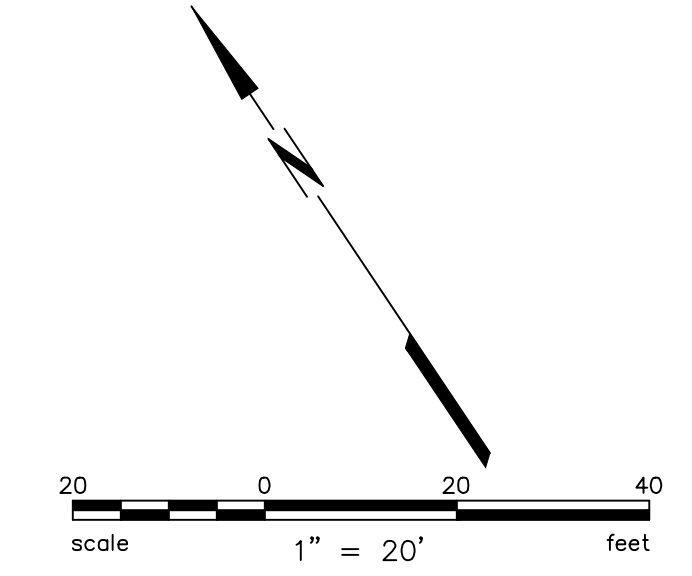
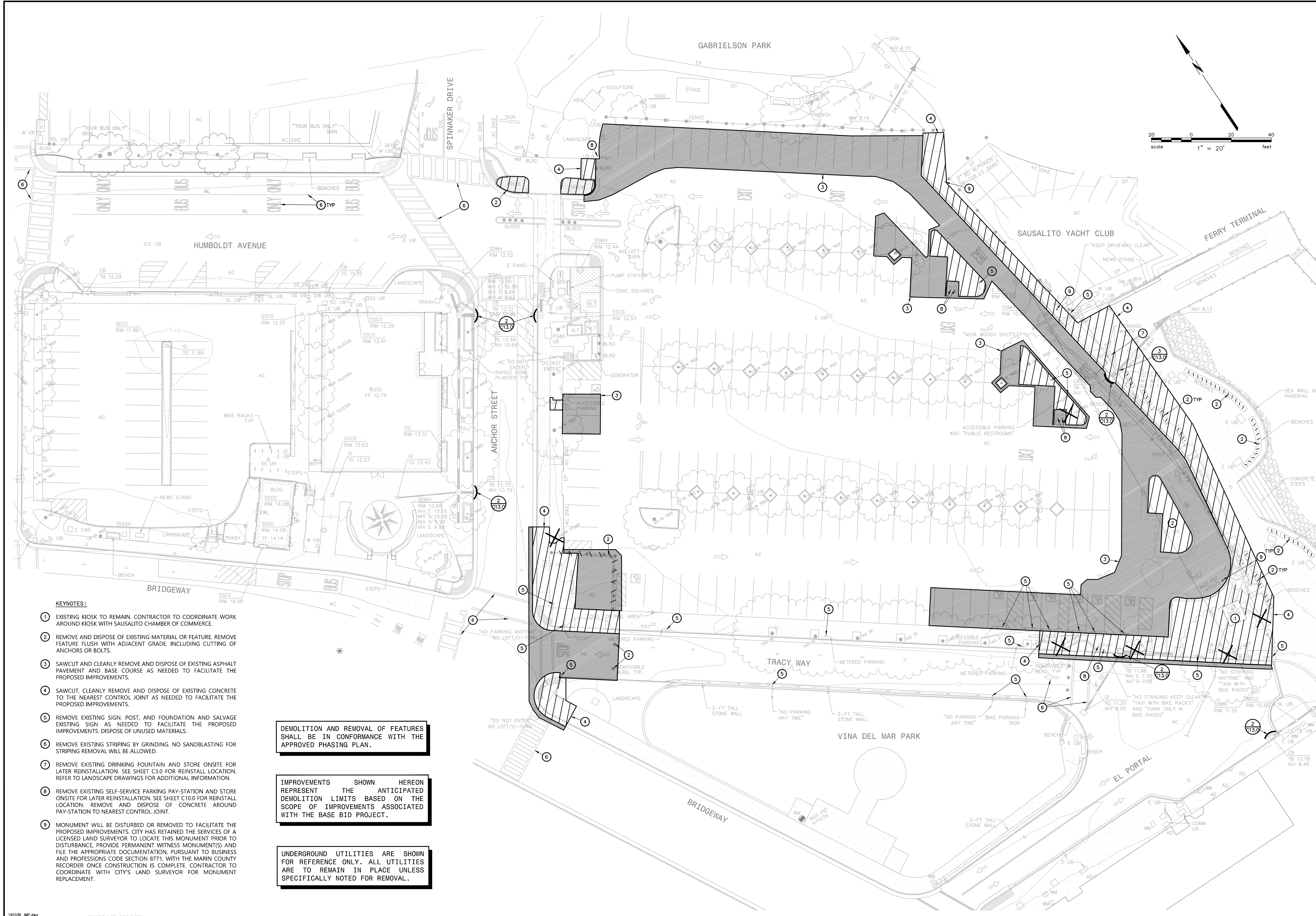
Date: JUNE 2024
Scale: AS SHOWN
Design: BD
Drawn: SR
Approved: BD
Job No: 20191036

Drawing Number:
C7.0
7 OF 38

Plot: Jul 09, 2024 at 10:00am

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FOR BID PURPOSES ONLY - NOT FOR CONSTRUCTION

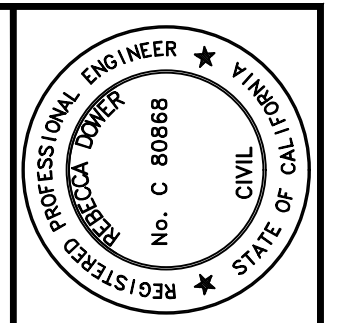


- KEYNOTES:**
- 1 EXISTING KIOSK TO REMAIN. CONTRACTOR TO COORDINATE WORK AROUND KIOSK WITH SAUSALITO CHAMBER OF COMMERCE.
 - 2 REMOVE AND DISPOSE OF EXISTING MATERIAL OR FEATURE. REMOVE FEATURE FLUSH WITH ADJACENT GRADE, INCLUDING CUTTING OF ANCHORS OR BOLTS.
 - 3 SAWCUT AND CLEANLY REMOVE AND DISPOSE OF EXISTING ASPHALT PAVEMENT AND BASE COURSE AS NEEDED TO FACILITATE THE PROPOSED IMPROVEMENTS.
 - 4 SAWCUT, CLEANLY REMOVE AND DISPOSE OF EXISTING CONCRETE TO THE NEAREST CONTROL JOINT AS NEEDED TO FACILITATE THE PROPOSED IMPROVEMENTS.
 - 5 REMOVE EXISTING SIGN, POST, AND FOUNDATION AND SALVAGE EXISTING SIGN AS NEEDED TO FACILITATE THE PROPOSED IMPROVEMENTS. DISPOSE OF UNUSED MATERIALS.
 - 6 REMOVE EXISTING STRIPING BY GRINDING. NO SANDBLASTING FOR STRIPING REMOVAL WILL BE ALLOWED.
 - 7 REMOVE EXISTING DRINKING FOUNTAIN AND STORE ONSITE FOR LATER REINSTALLATION. SEE SHEET C3.0 FOR REINSTALL LOCATION. REFER TO LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION.
 - 8 REMOVE EXISTING SELF-SERVICE PARKING PAY-STATION AND STORE ONSITE FOR LATER REINSTALLATION. SEE SHEET C10.0 FOR REINSTALL LOCATION. REMOVE AND DISPOSE OF CONCRETE AROUND PAY-STATION TO NEAREST CONTROL JOINT.
 - 9 MONUMENT WILL BE DISTURBED OR REMOVED TO FACILITATE THE PROPOSED IMPROVEMENTS. CITY HAS RETAINED THE SERVICES OF A LICENSED LAND SURVEYOR TO LOCATE THIS MONUMENT PRIOR TO DISTURBANCE. PROVIDE PERMANENT WITNESS MONUMENT(S) AND FILE THE APPROPRIATE DOCUMENTATION, PURSUANT TO BUSINESS AND PROFESSIONS CODE SECTION 8771, WITH THE MARIN COUNTY RECORDER ONCE CONSTRUCTION IS COMPLETE. CONTRACTOR TO COORDINATE WITH CITY'S LAND SURVEYOR FOR MONUMENT REPLACEMENT.

DEMOLITION AND REMOVAL OF FEATURES SHALL BE IN CONFORMANCE WITH THE APPROVED PHASING PLAN.

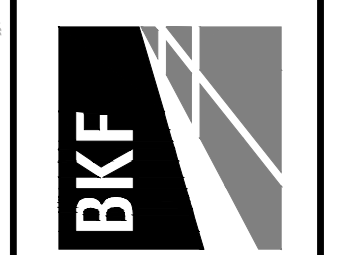
IMPROVEMENTS SHOWN HEREON REPRESENT THE ANTICIPATED DEMOLITION LIMITS BASED ON THE SCOPE OF IMPROVEMENTS ASSOCIATED WITH THE BASE BID PROJECT.

UNDERGROUND UTILITIES ARE SHOWN FOR REFERENCE ONLY. ALL UTILITIES ARE TO REMAIN IN PLACE UNLESS SPECIFICALLY NOTED FOR REMOVAL.



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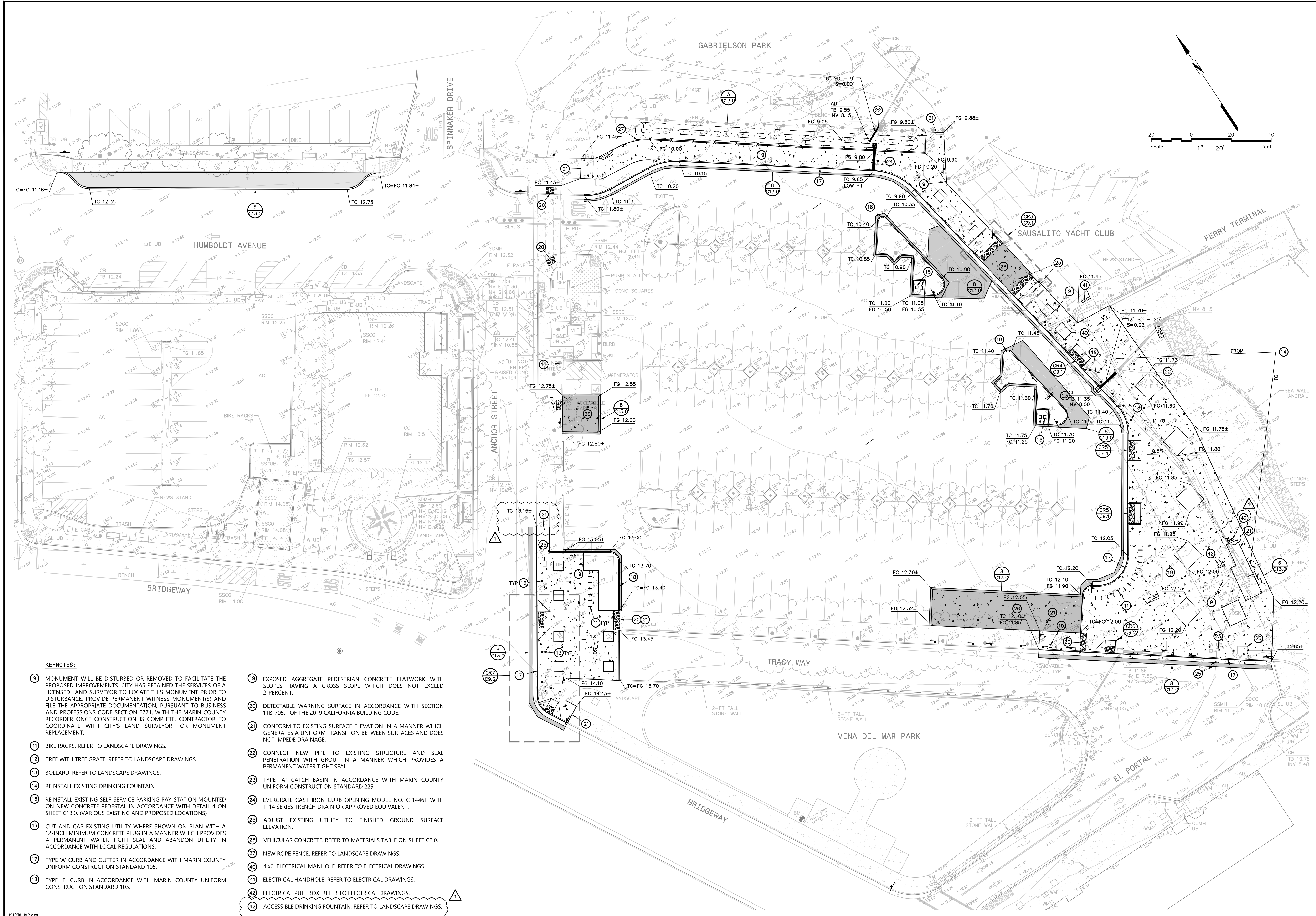
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FERRY LANDSIDE IMPROVEMENT PROJECT
APN 065-073-03
SAUSALITO, CALIFORNIA

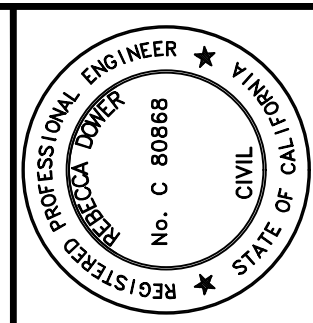
DEMOLITION AND EROSION CONTROL PLAN

Date	07/09/2024
Revisions	
BID ADDENDUM NO.	2
No.	A
Date	JUNE 2024
Scale	AS SHOWN
Design	BD
Drawn	SR
Approved	BD
Job No.	20191036
Drawing Number:	C8.0



KEYNOTES:

- 9 MONUMENT WILL BE DISTURBED OR REMOVED TO FACILITATE THE PROPOSED IMPROVEMENTS. CITY HAS RETAINED THE SERVICES OF A LICENSED LAND SURVEYOR TO LOCATE THIS MONUMENT PRIOR TO DISTURBANCE. PROVIDE PERMANENT WITNESS MONUMENT(S) AND FILE THE APPROPRIATE DOCUMENTATION, PURSUANT TO BUSINESS AND PROFESSIONS CODE SECTION 8771, WITH THE MARIN COUNTY RECORDER ONCE CONSTRUCTION IS COMPLETE. CONTRACTOR TO COORDINATE WITH CITY'S LAND SURVEYOR FOR MONUMENT REPLACEMENT.
- 11 BIKE RACKS. REFER TO LANDSCAPE DRAWINGS.
- 12 TREE WITH TREE GRATE. REFER TO LANDSCAPE DRAWINGS.
- 13 BOLLARD. REFER TO LANDSCAPE DRAWINGS.
- 14 REINSTALL EXISTING DRINKING FOUNTAIN.
- 15 REINSTALL EXISTING SELF-SERVICE PARKING PAY-STATION MOUNTED ON NEW CONCRETE PEDESTAL IN ACCORDANCE WITH DETAIL 4 ON SHEET C13.0. (VARIOUS EXISTING AND PROPOSED LOCATIONS)
- 16 CUT AND CAP EXISTING UTILITY WHERE SHOWN ON PLAN WITH A 12-INCH MINIMUM CONCRETE PLUG IN A MANNER WHICH PROVIDES A PERMANENT WATER TIGHT SEAL AND ABANDON UTILITY IN ACCORDANCE WITH LOCAL REGULATIONS.
- 17 TYPE 'A' CURB AND GUTTER IN ACCORDANCE WITH MARIN COUNTY UNIFORM CONSTRUCTION STANDARD 105.
- 18 TYPE 'E' CURB IN ACCORDANCE WITH MARIN COUNTY UNIFORM CONSTRUCTION STANDARD 105.
- 19 EXPOSED AGGREGATE PEDESTRIAN CONCRETE FLATWORK WITH SLOPES HAVING A CROSS SLOPE WHICH DOES NOT EXCEED 2-PERCENT.
- 20 DETECTABLE WARNING SURFACE IN ACCORDANCE WITH SECTION 11B-705.1 OF THE 2019 CALIFORNIA BUILDING CODE.
- 21 CONFORM TO EXISTING SURFACE ELEVATION IN A MANNER WHICH GENERATES A UNIFORM TRANSITION BETWEEN SURFACES AND DOES NOT IMPEDE DRAINAGE.
- 22 CONNECT NEW PIPE TO EXISTING STRUCTURE AND SEAL PENETRATION WITH GROUT IN A MANNER WHICH PROVIDES A PERMANENT WATER TIGHT SEAL.
- 23 TYPE "A" CATCH BASIN IN ACCORDANCE WITH MARIN COUNTY UNIFORM CONSTRUCTION STANDARD 225.
- 24 EVERGRATE CAST IRON CURB OPENING MODEL NO. C-1446T WITH T-14 SERIES TRENCH DRAIN OR APPROVED EQUIVALENT.
- 25 ADJUST EXISTING UTILITY TO FINISHED GROUND SURFACE ELEVATION.
- 26 VEHICULAR CONCRETE. REFER TO MATERIALS TABLE ON SHEET C2.0.
- 27 NEW ROPE FENCE. REFER TO LANDSCAPE DRAWINGS.
- 40 4"x6" ELECTRICAL MANHOLE. REFER TO ELECTRICAL DRAWINGS.
- 41 ELECTRICAL HANDHOLE. REFER TO ELECTRICAL DRAWINGS.
- 42 ELECTRICAL PULL BOX. REFER TO ELECTRICAL DRAWINGS.
- 42 ACCESSIBLE DRINKING FOUNTAIN. REFER TO LANDSCAPE DRAWINGS.



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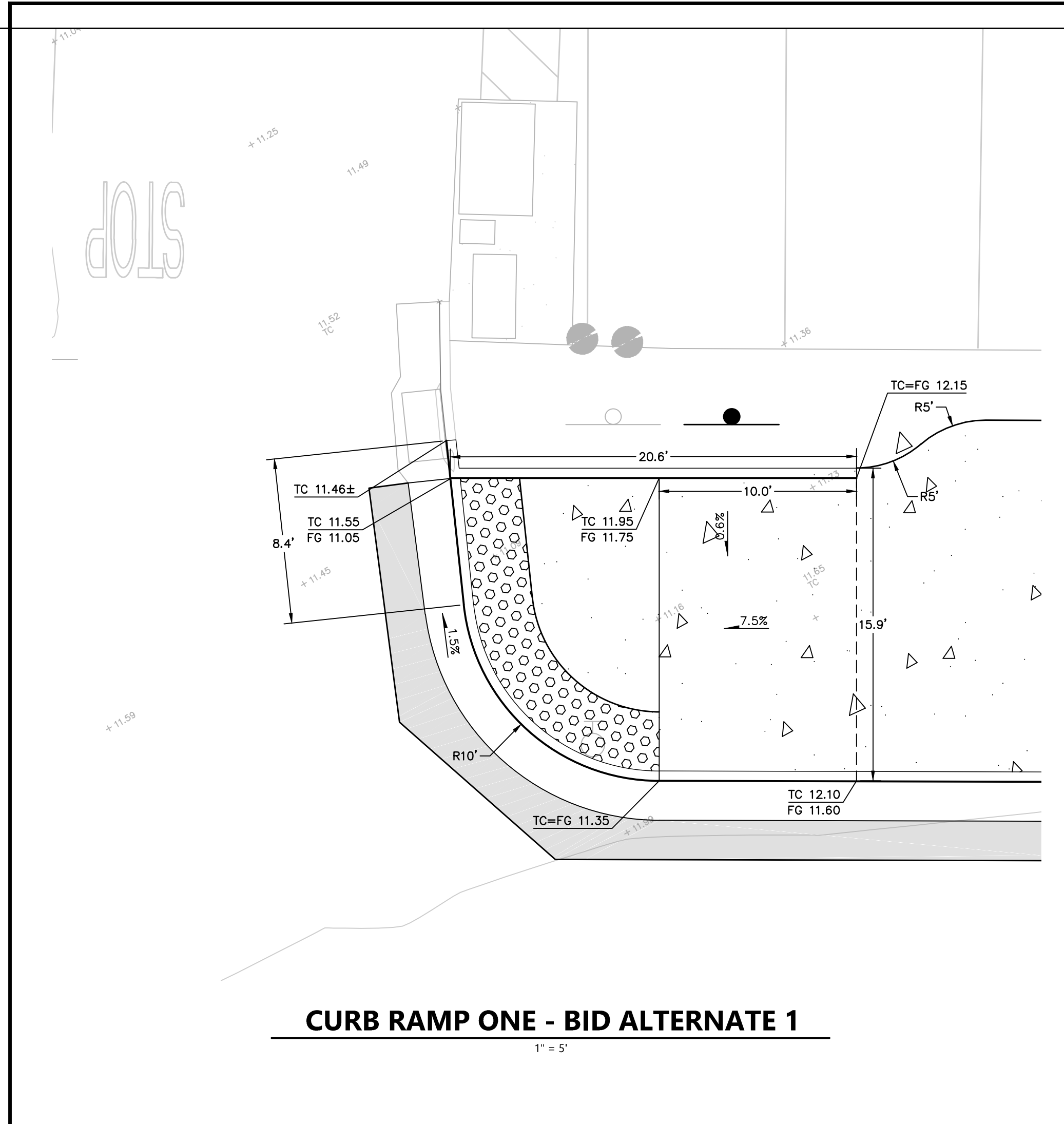
FERRY LANDSIDE IMPROVEMENT PROJECT
APN 065-073-03
SAUSALITO, CALIFORNIA
GRADING AND UTILITY PLAN

No.	Revisions	Date
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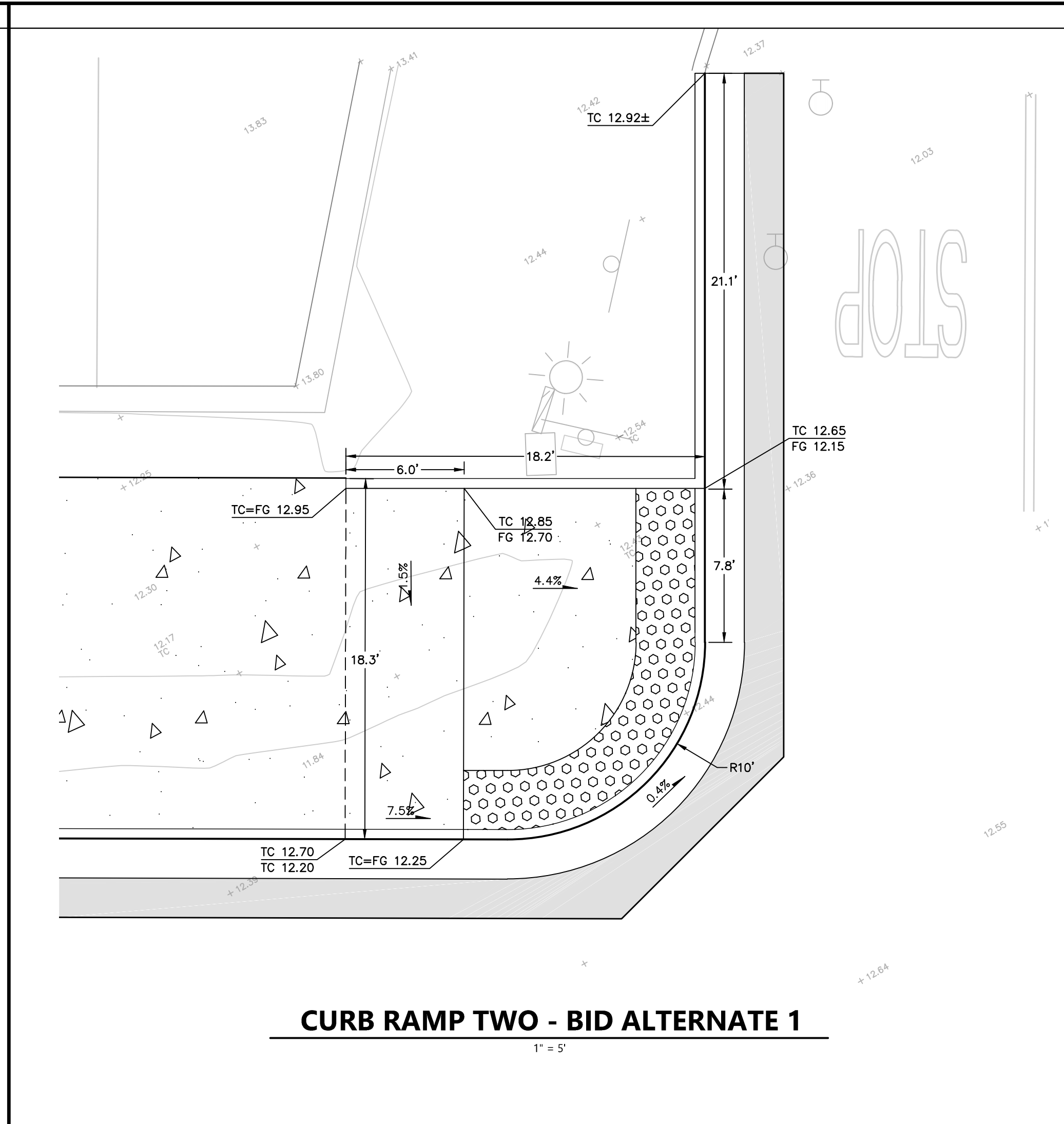
Date: JUNE 2024
Scale: AS SHOWN
Design: BD
Drawn: SR
Approved: BD
Job No: 20191036

Drawing Number: **C9.0**

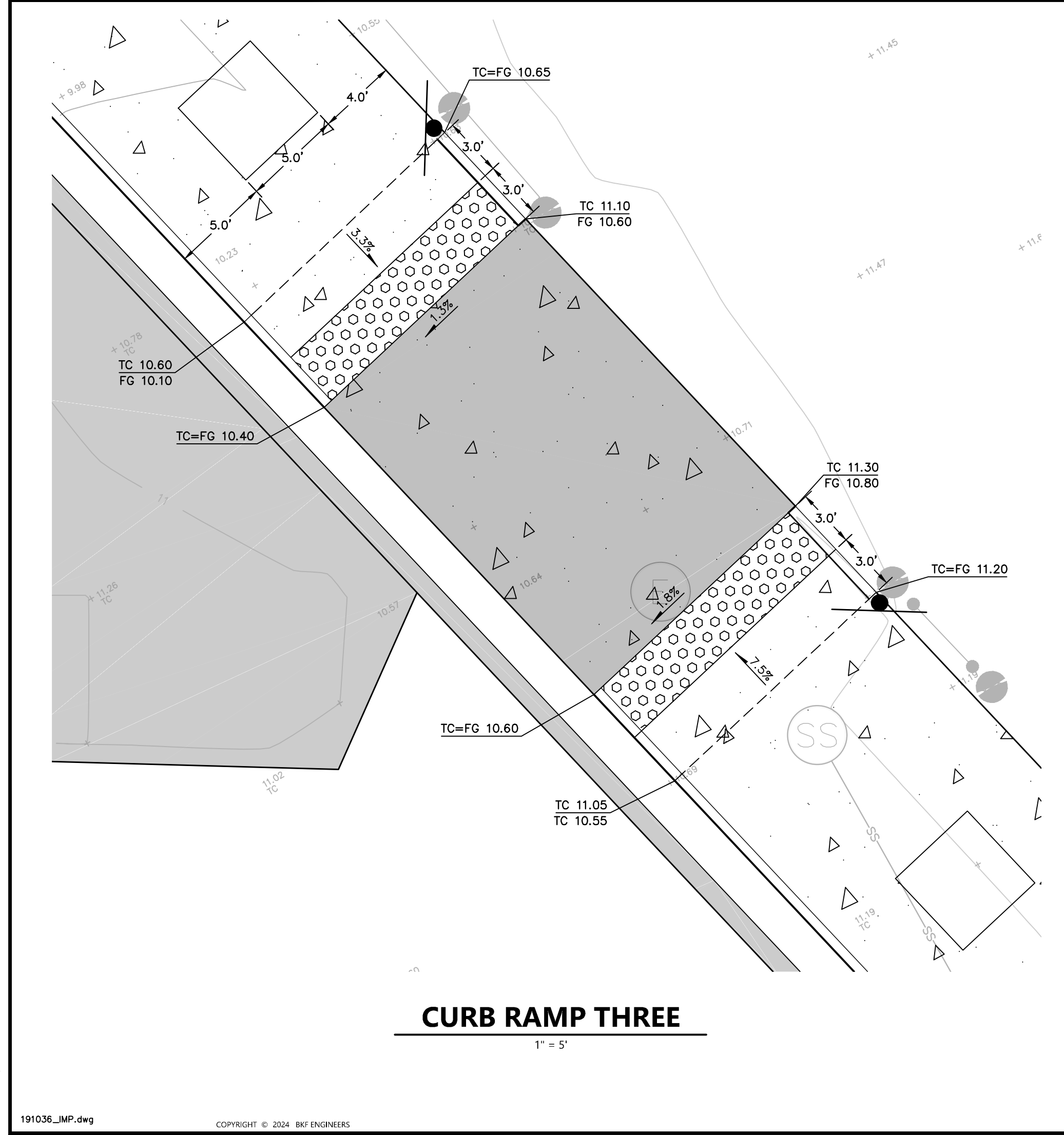
9 OF 38



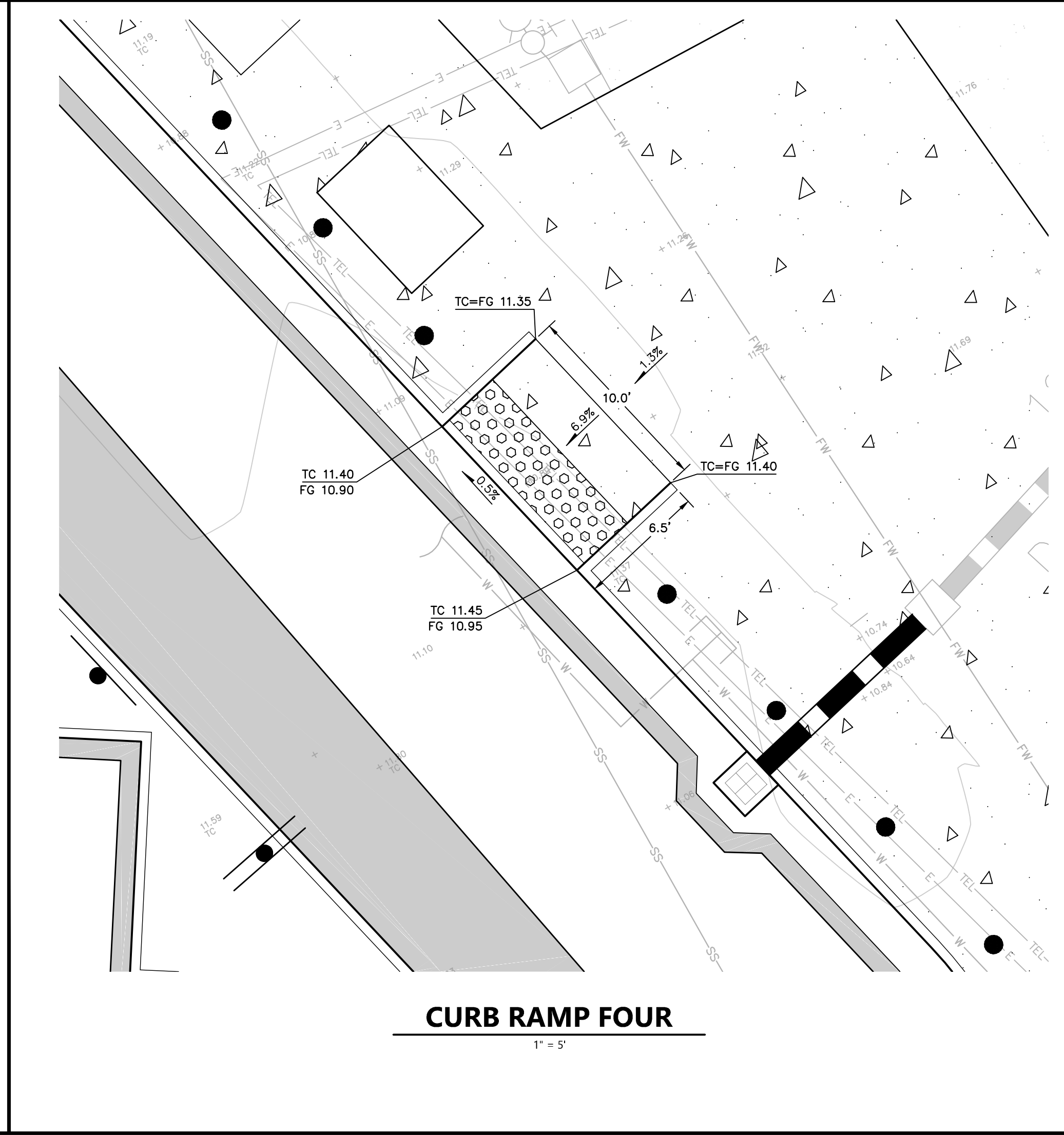
CURB RAMP ONE - BID ALTERNATE 1
1" = 5'



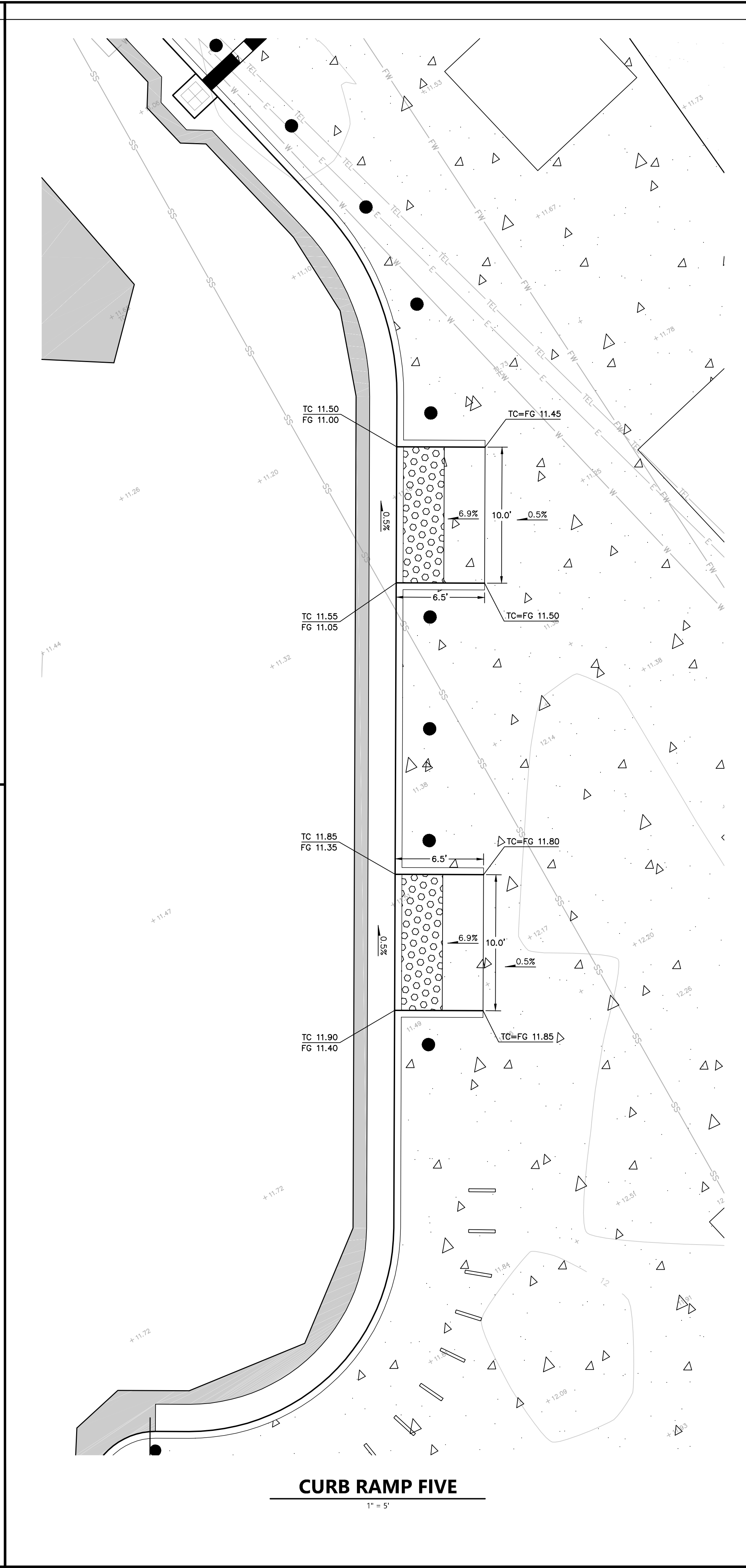
CURB RAMP TWO - BID ALTERNATE 1
1" = 5'



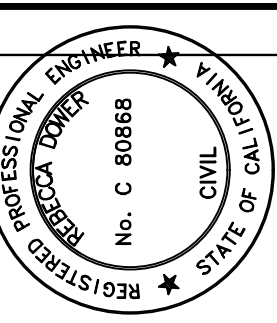
CURB RAMP THREE
1" = 5'



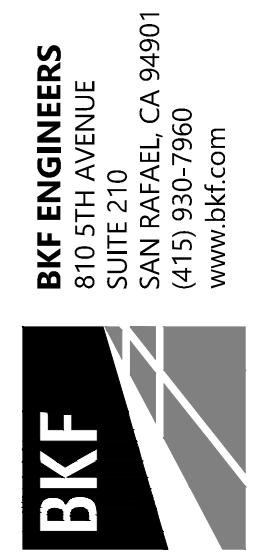
CURB RAMP FOUR
1" = 5'



CURB RAMP FIVE
1" = 5'



REBECCA DOWER
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7/9/2024



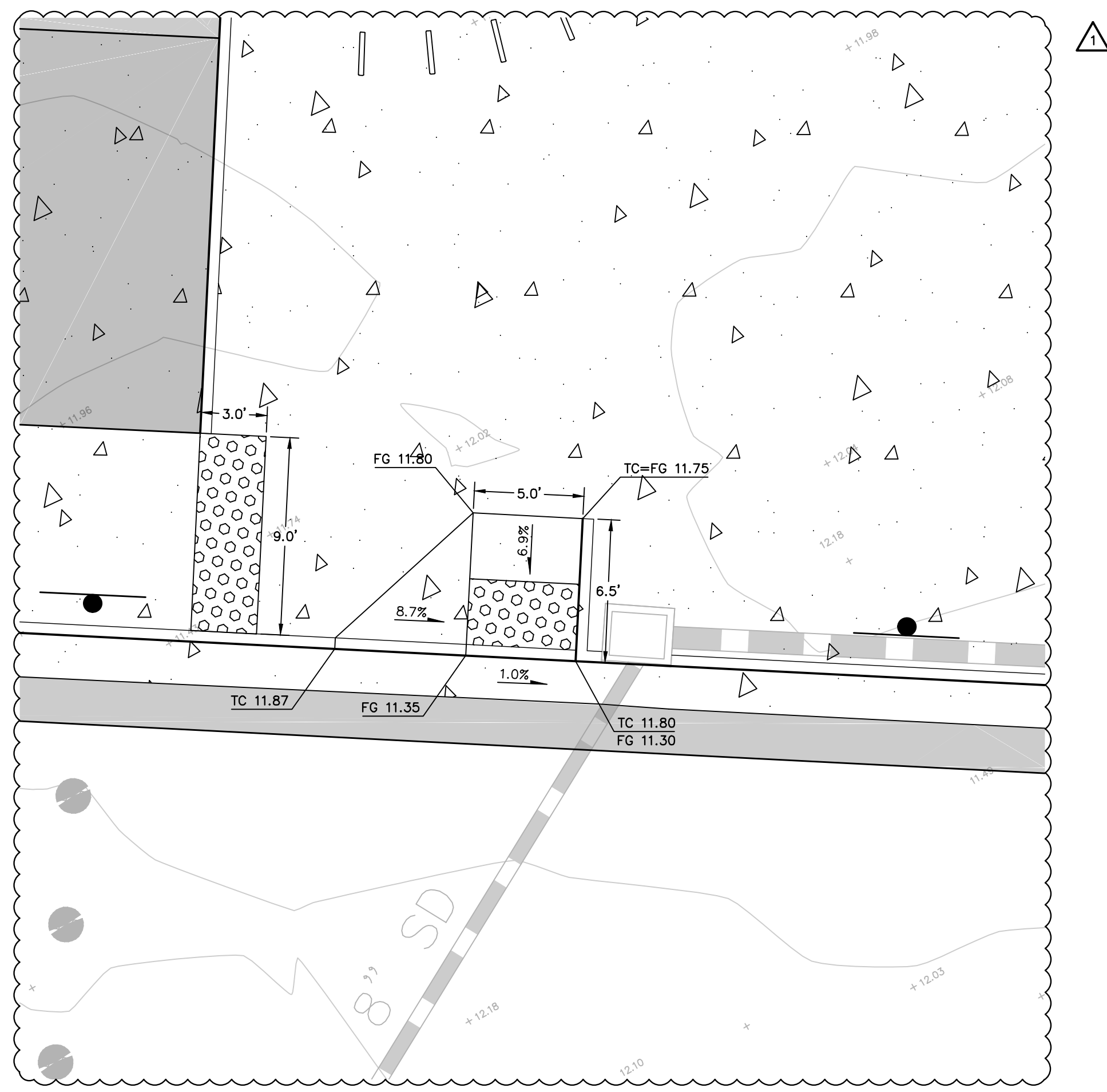
FERRY LANDSIDE IMPROVEMENT PROJECT
APN 065-073-03
SAUSALITO, CALIFORNIA

CURB RAMP GRADING ENLARGEMENTS

No.	Revisions	Date
1	BID ADDENDUM NO. 2	07/09/2024

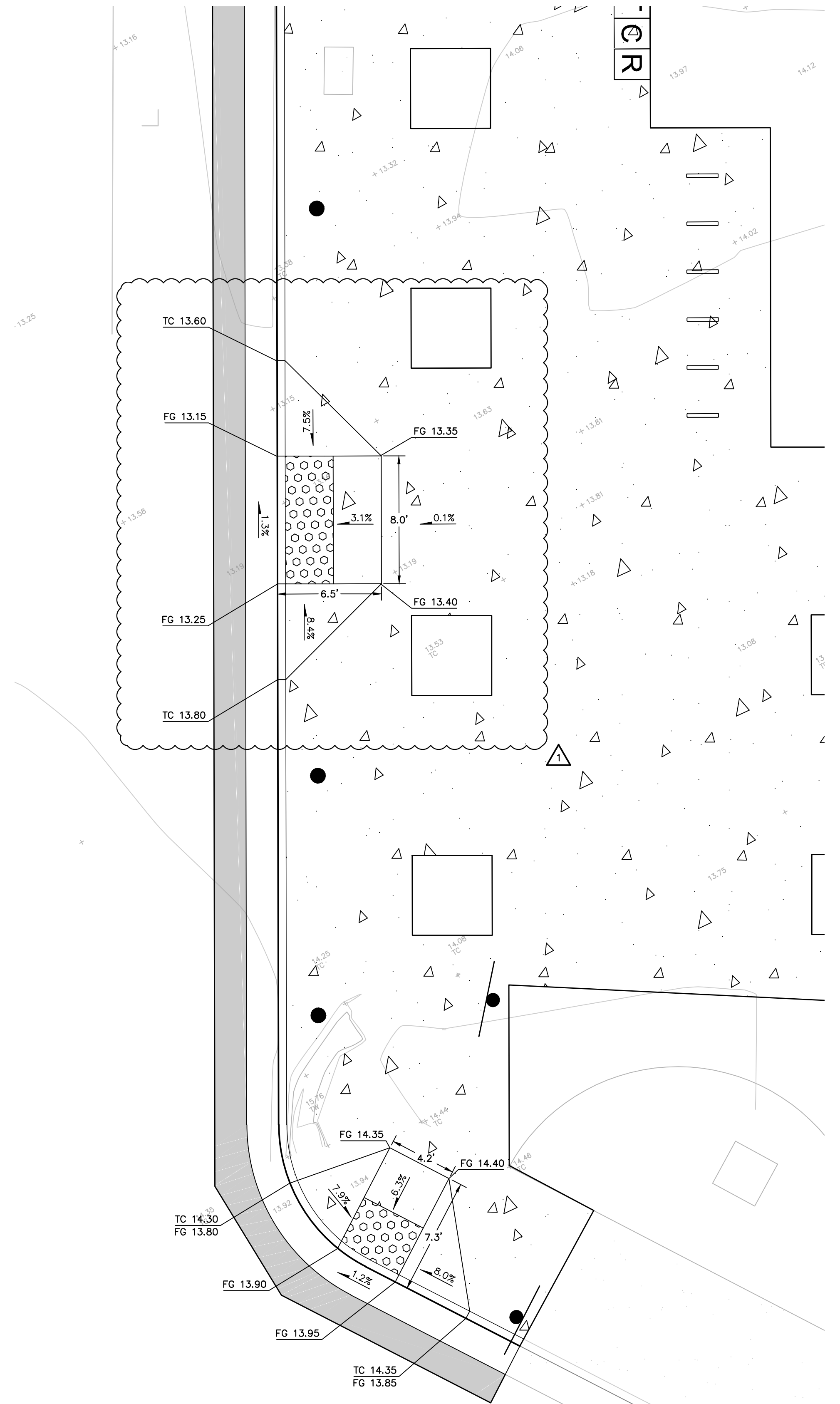
Date: JUNE 2024
Scale: AS SHOWN
Design: BD
Drawn: SR
Approved: BD
Job No: 20191036

Drawing Number:
C9.1
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CURB RAMP SIX

1" = 5'



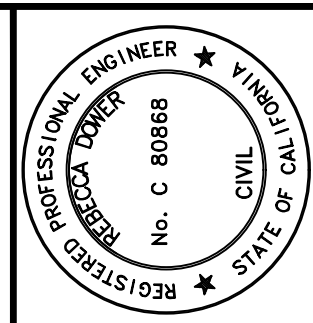
CURB RAMP SEVEN

1" = 5'

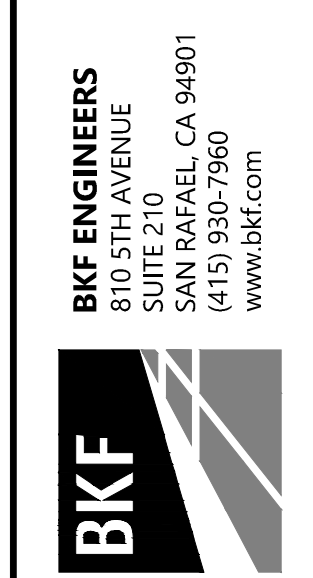
Plot: Jul 06, 2024 at 10:31am

191036_IMP.dwg

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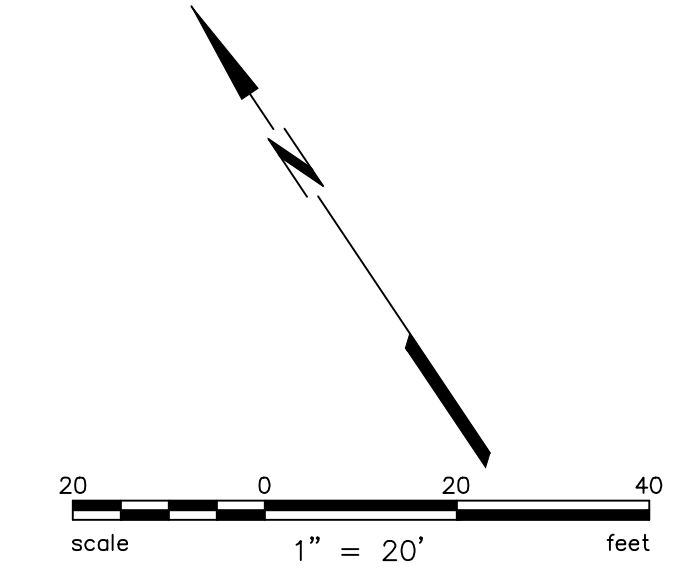
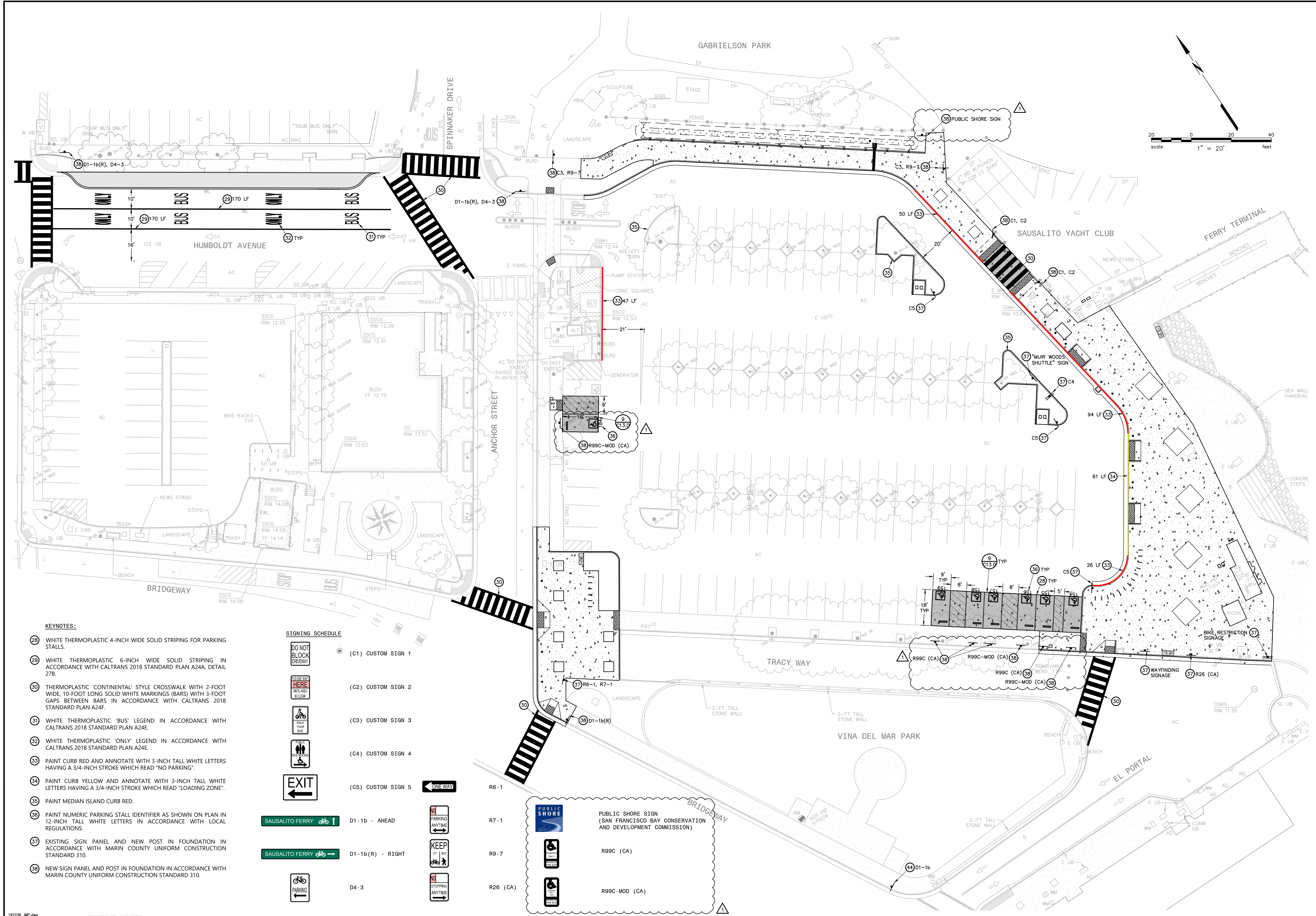
REBECCA DOWER
REGISTERED PROFESSIONAL ENGINEER
No. C 80868
STATE OF CALIFORNIA
7/9/2024
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FERRY LANDSIDE IMPROVEMENT PROJECT	
APN 065-073-03 SAUSALITO, CALIFORNIA	
CURB RAMP GRADING ENLARGEMENTS	
Date: JUNE 2024	Date: 07/09/2024
Scale: AS SHOWN	Revisions
Design: BD	BID ADDENDUM NO. 2
Drawn: SR	
Approved: BD	
Job No: 20191036	

Drawing Number:
C9.2
11 OF 38



- KEYNOTES:**
- 28 WHITE THERMOPLASTIC 4-INCH WIDE SOLID STRIPING FOR PARKING STALLS.
 - 29 WHITE THERMOPLASTIC 6-INCH WIDE SOLID STRIPING IN ACCORDANCE WITH CALTRANS 2018 STANDARD PLAN A24A, DETAIL 27B.
 - 30 THERMOPLASTIC 'CONTINENTAL' STYLE CROSSWALK WITH 2-FOOT WIDE, 10-FOOT LONG SOLID WHITE MARKINGS (BARS) WITH 3-FOOT GAPS BETWEEN BARS IN ACCORDANCE WITH CALTRANS 2018 STANDARD PLAN A24F.
 - 31 WHITE THERMOPLASTIC 'BUS' LEGEND IN ACCORDANCE WITH CALTRANS 2018 STANDARD PLAN A24E.
 - 32 WHITE THERMOPLASTIC 'ONLY' LEGEND IN ACCORDANCE WITH CALTRANS 2018 STANDARD PLAN A24E.
 - 33 PAINT CURB RED AND ANNOTATE WITH 3-INCH TALL WHITE LETTERS HAVING A 3/4-INCH STROKE WHICH READ "NO PARKING".
 - 34 PAINT CURB YELLOW AND ANNOTATE WITH 3-INCH TALL WHITE LETTERS HAVING A 3/4-INCH STROKE WHICH READ "LOADING ZONE".
 - 35 PAINT MEDIAN ISLAND CURB RED.
 - 36 PAINT NUMERIC PARKING STALL IDENTIFIER AS SHOWN ON PLAN IN 12-INCH TALL WHITE LETTERS IN ACCORDANCE WITH LOCAL REGULATIONS.
 - 37 EXISTING SIGN PANEL AND NEW POST IN FOUNDATION IN ACCORDANCE WITH MARIN COUNTY UNIFORM CONSTRUCTION STANDARD 310.
 - 38 NEW SIGN PANEL AND POST IN FOUNDATION IN ACCORDANCE WITH MARIN COUNTY UNIFORM CONSTRUCTION STANDARD 310.

- SIGNING SCHEDULE**
- (C1) CUSTOM SIGN 1
 - (C2) CUSTOM SIGN 2
 - (C3) CUSTOM SIGN 3
 - (C4) CUSTOM SIGN 4
 - (C5) CUSTOM SIGN 5
 - D1-1b - AHEAD
 - D1-1b(R) - RIGHT
 - D4-3

ONE-WAY

PARKING ANYTIME

KEEP OFF

STOPPING ANYTIME

SAUSALITO FERRY

SAUSALITO FERRY

BIKE RESTRICTION SIGNAGE

WAYFINDING SIGNAGE

R99C (CA)

R99C-MOD (CA)

R6-1

R7-1

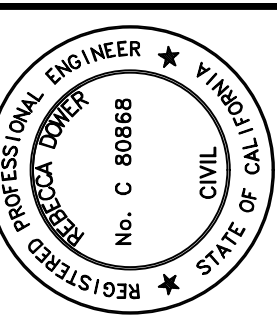
R9-7

R26 (CA)

PUBLIC SHORE SIGN (SAN FRANCISCO BAY CONSERVATION AND DEVELOPMENT COMMISSION)

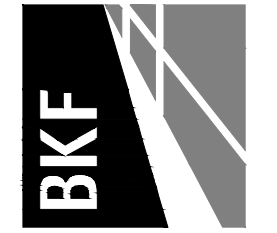
R99C (CA)

R99C-MOD (CA)



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7/9/2024

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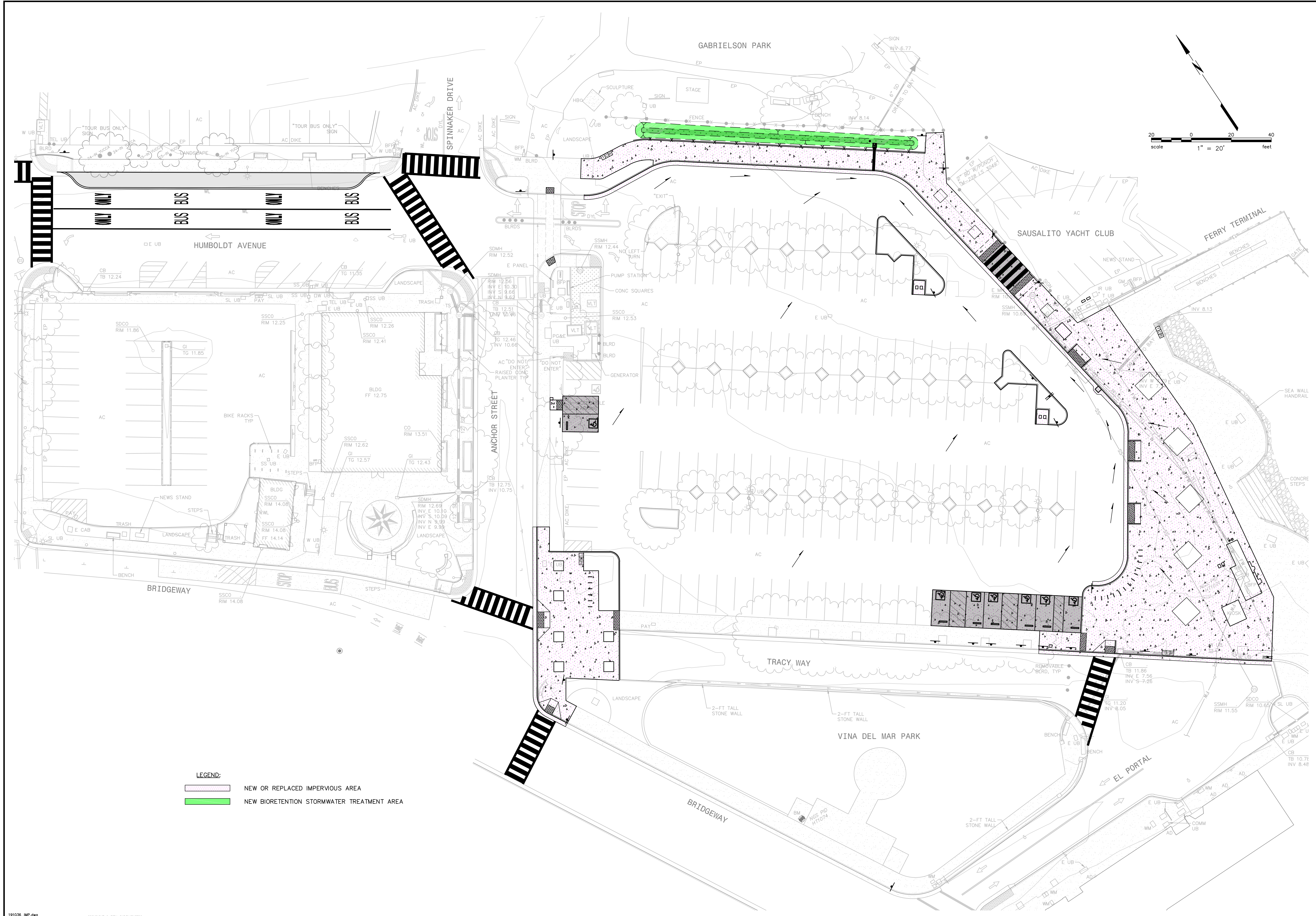



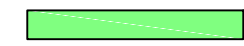
FERRY LANDSIDE IMPROVEMENT PROJECT
APN 065-073-03
SAUSALITO, CALIFORNIA

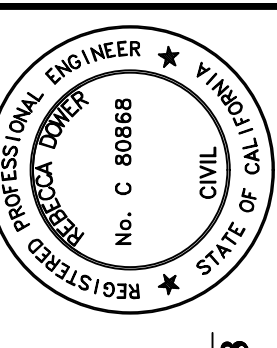
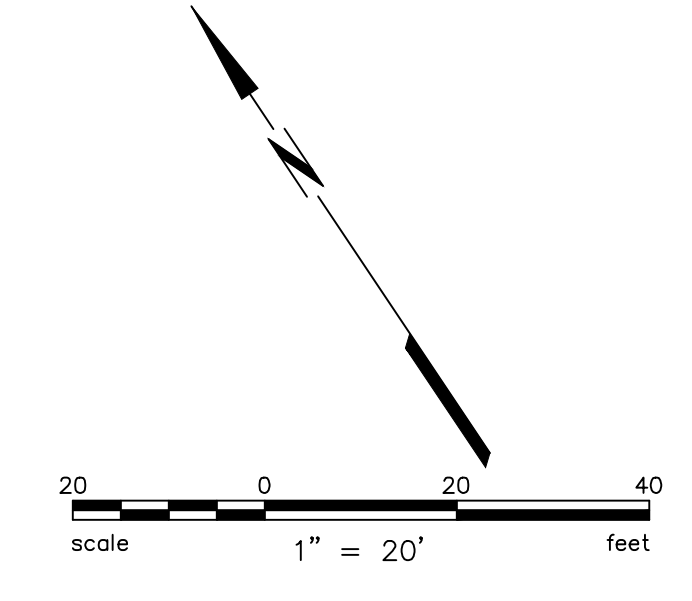
STRIPING AND SIGNAGE PLAN

Date	Revisions	No.
07/09/2024	BID ADDENDUM NO. 2	1
JUNE 2024	AS SHOWN	2
	Design: BD	
	Drawn: SR	
	Approved: BD	
	Job No: 20191036	

Drawing Number:
C10.0
12 OF 38



LEGEND:
 NEW OR REPLACED IMPERVIOUS AREA
 NEW BIORETENTION STORMWATER TREATMENT AREA



REBECCA DOWER
 C 80868
 7/9/2024

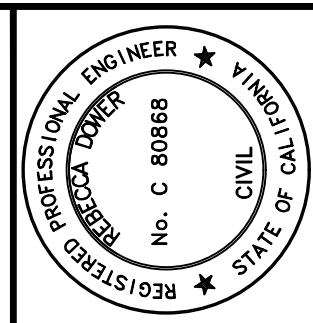
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 APN 065-073-03
 SAUSALITO, CALIFORNIA
STORMWATER CONTROL PLAN

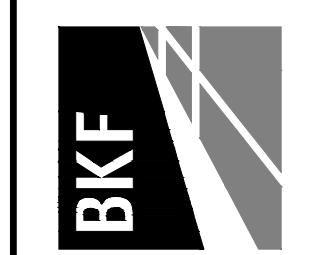
No.	Revisions	Date
1	BID ADDENDUM NO. 2	07/09/2024

Date: JUNE 2024
 Scale: AS SHOWN
 Design: BD
 Drawn: SR
 Approved: BD
 Job No: 20191036
C11.0
 13 OF 38



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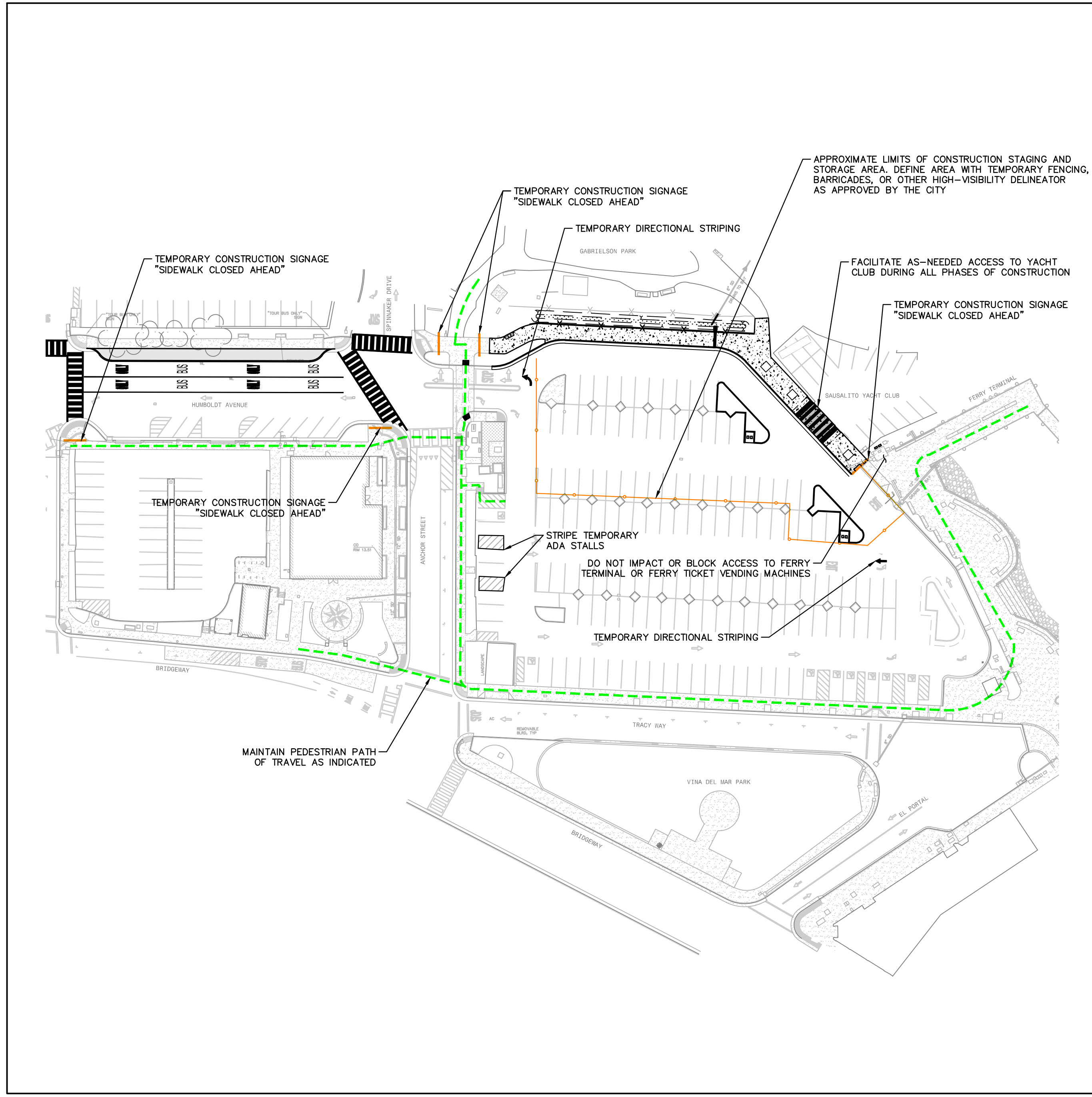


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APN 065-073-03
SAUSALITO, CALIFORNIA

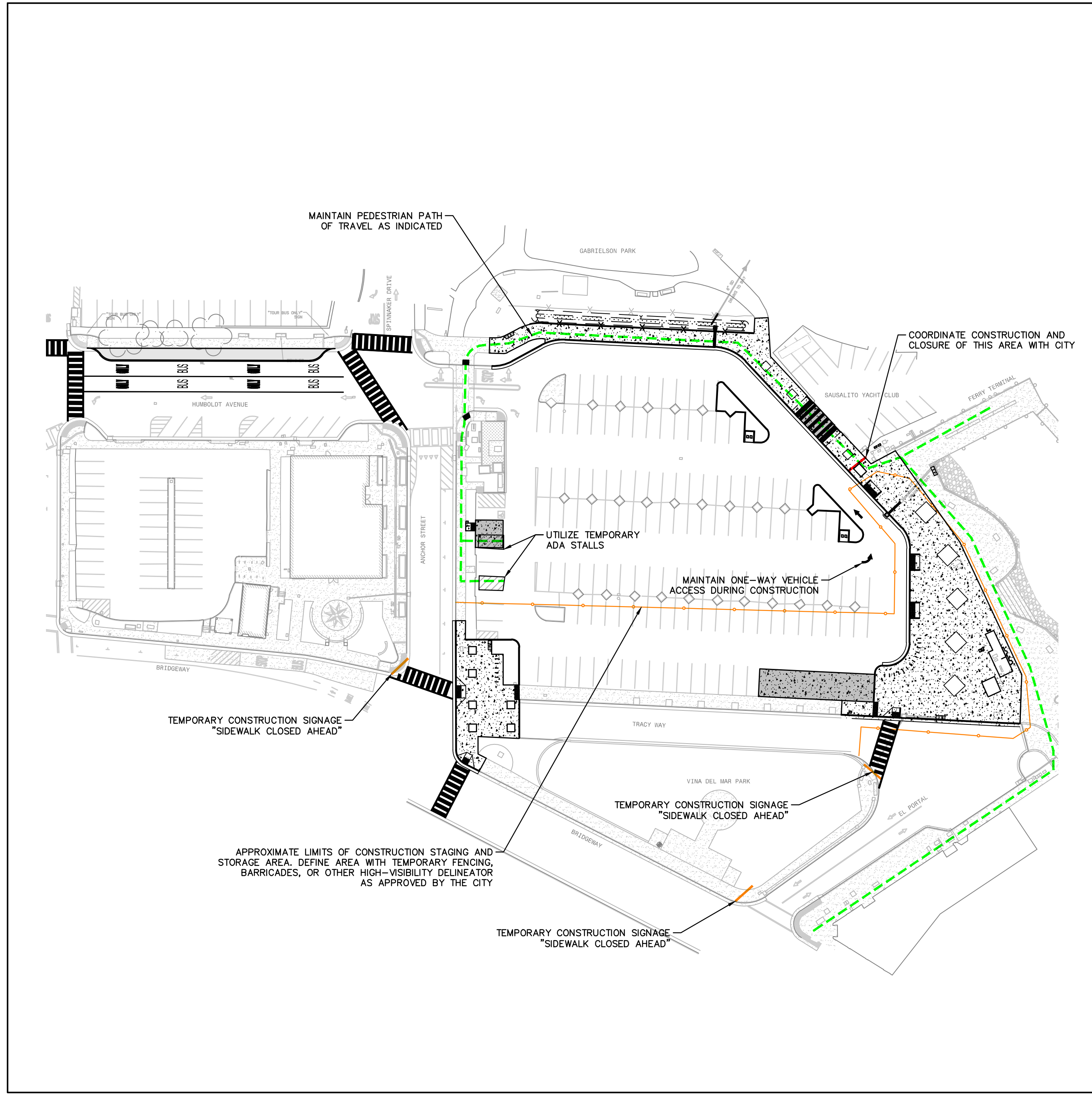
CONSTRUCTION STAGING AND PHASING PLAN

Date: JUNE 2024	Revisions	Date
Scale: AS SHOWN	BID ADDENDUM NO. 2	07/09/2024
Design: BD	No.	
Drawn: SR	Δ	
Approved: BD		
Job No: 20191036		

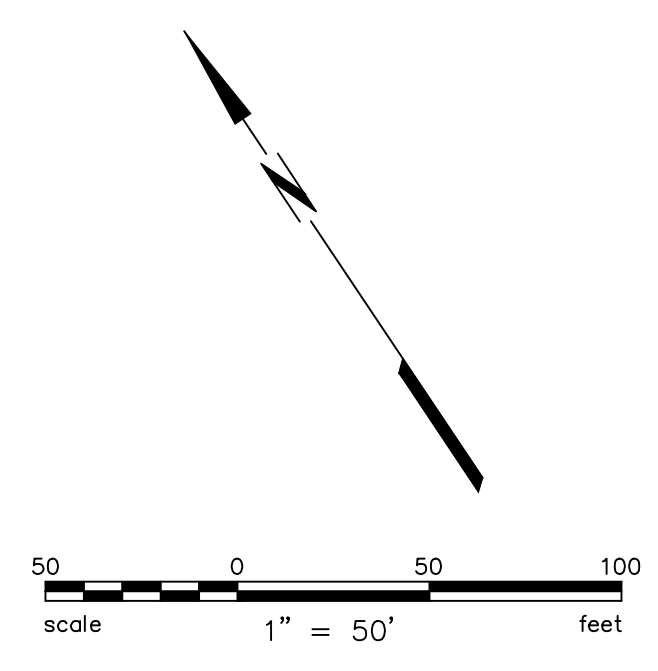
Drawing Number:
C12.0
14 OF 38



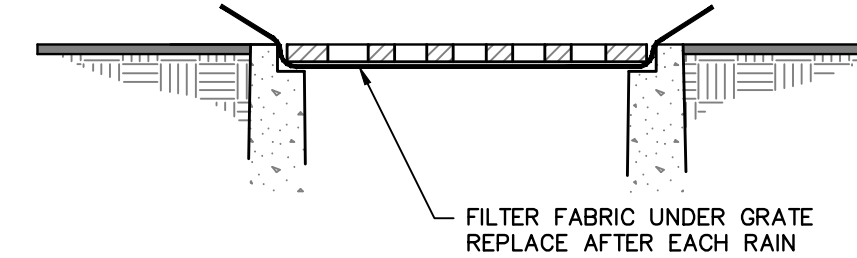
PHASE ONE CONSTRUCTION
APPROXIMATE PHASE ONE
CONSTRUCTION DURATION = 8 WEEKS



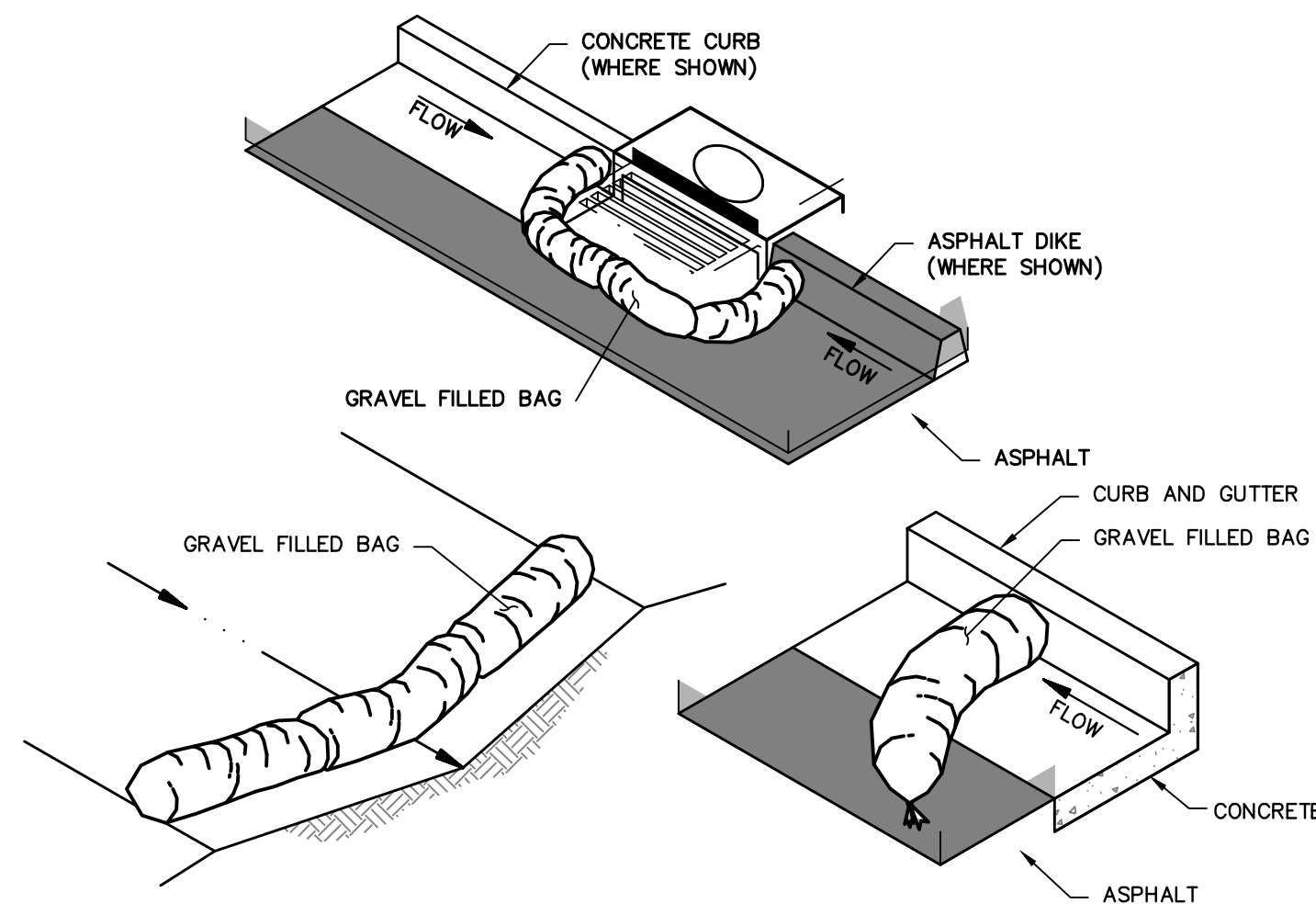
PHASE TWO CONSTRUCTION
APPROXIMATE PHASE TWO
CONSTRUCTION DURATION = 16 WEEKS



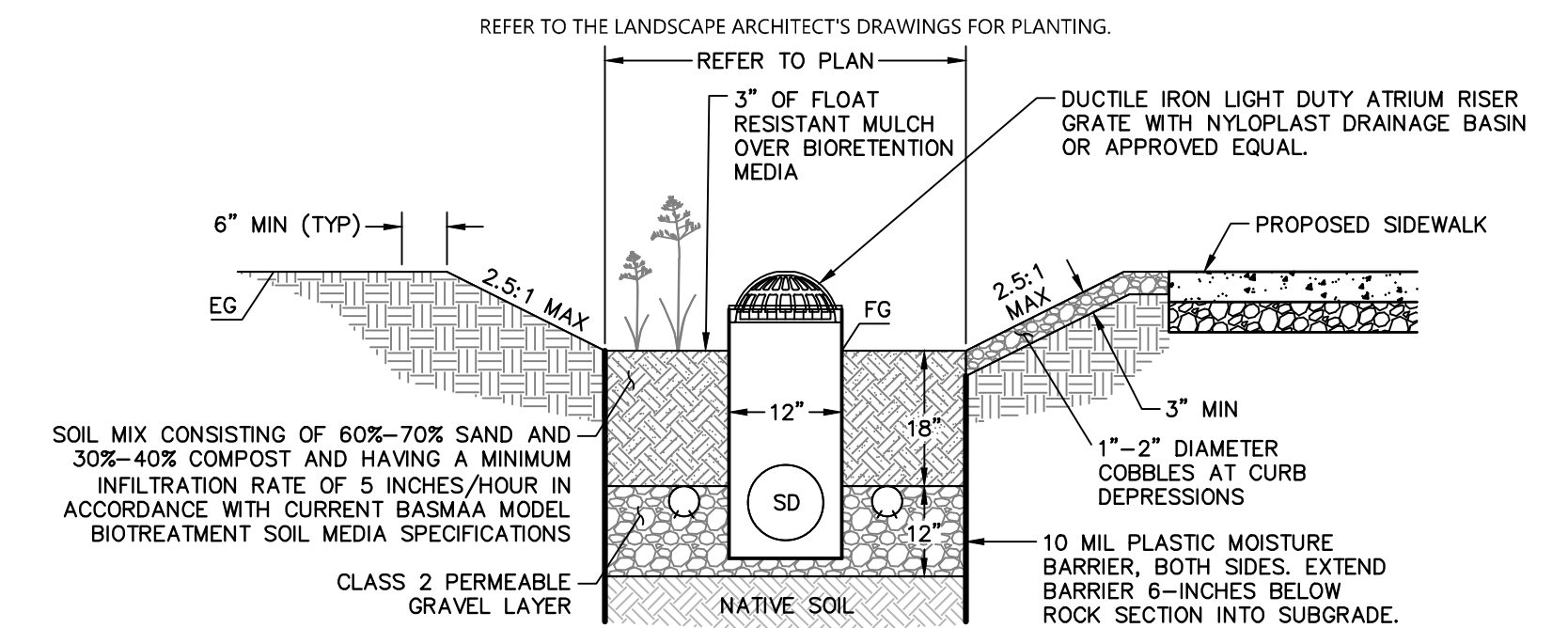
THIS STAGING AND PHASING PLAN IS PROVIDED FOR GENERAL REFERENCE AND GUIDANCE ONLY. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING CONTINUED PUBLIC SPACE ACCESS TO PORTIONS OF PARKING LOT 1 AND THE FERRY TERMINAL DURING ALL STAGES OF CONSTRUCTION, UNLESS DIRECTED OTHERWISE BY THE CITY. THIS PLAN DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO PROVIDE THE REQUIRED STAGING, TRAFFIC CONTROL, AND TEMPORARY SIGNAGE PLANS AS REQUIRED BY THE PROJECT SPECIFICATIONS.



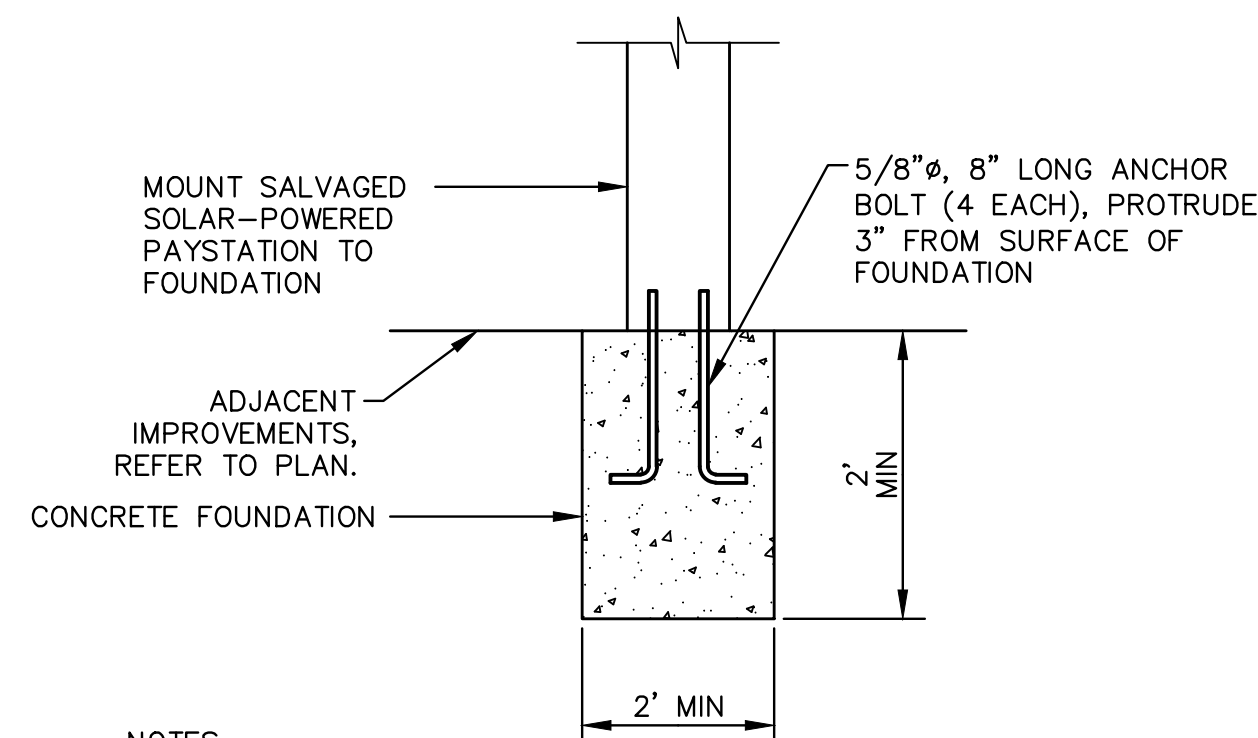
1 FILTER FABRIC DETAIL
NTS



2 GRAVEL BAG
NTS



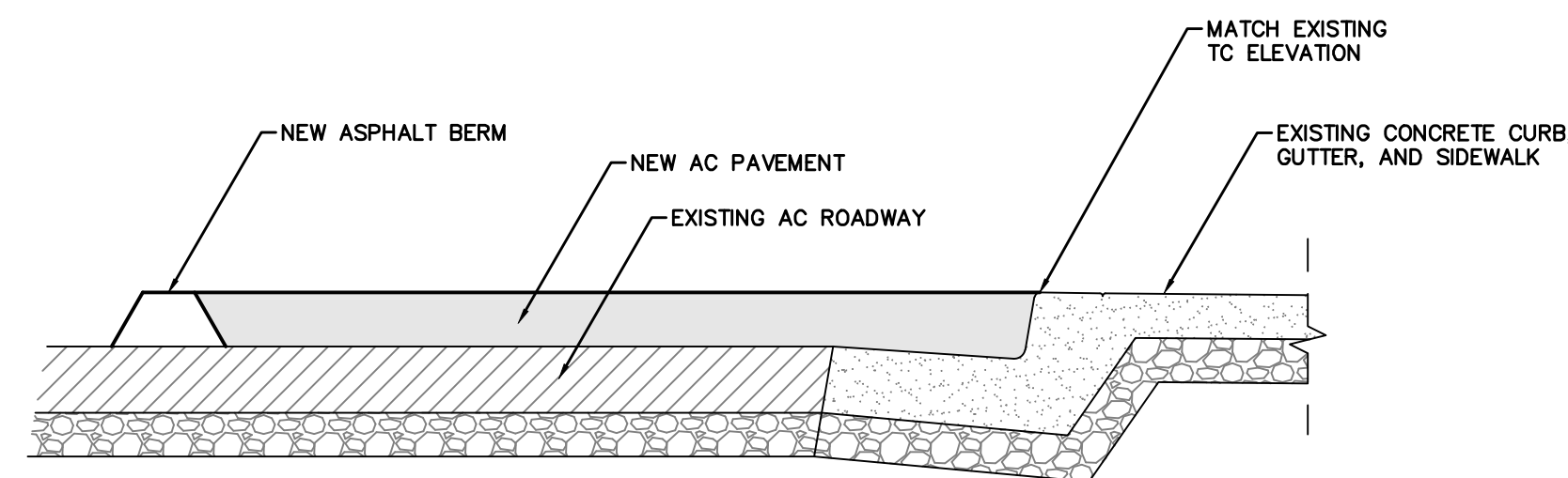
3 BIORETENTION AREA
NTS



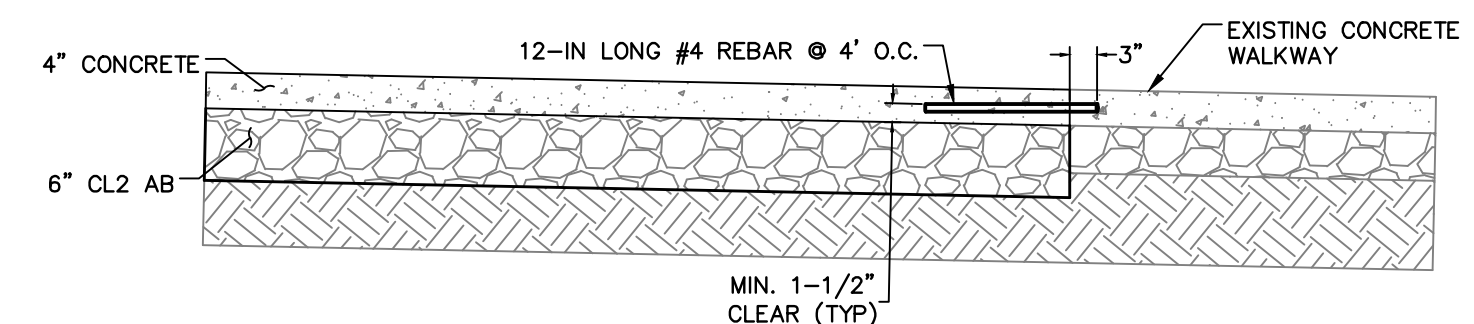
NOTES:

1. CONCRETE PEDESTAL AND ANCHOR BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS AND RECOMMENDATIONS FOR LUKE SELF-SERVICE PAY STATION MOUNTING.
2. FIELD VERIFY MATERIAL, TYPE, AND SIZE OF EXISTING ANCHOR BOLTS, REPLACE BOLTS IN-KIND.

4 SELF-SERVICE PARKING
PAYSTATION CONCRETE PEDESTAL
NTS

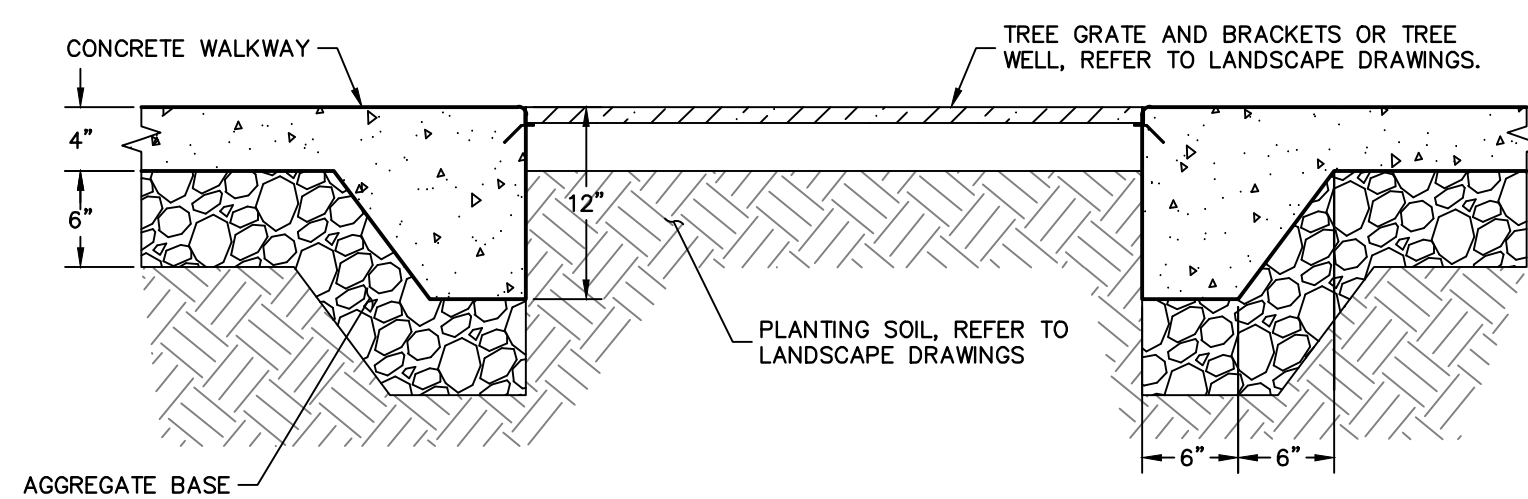


5 ASPHALT BERM AND PAVEMENT
NO SCALE

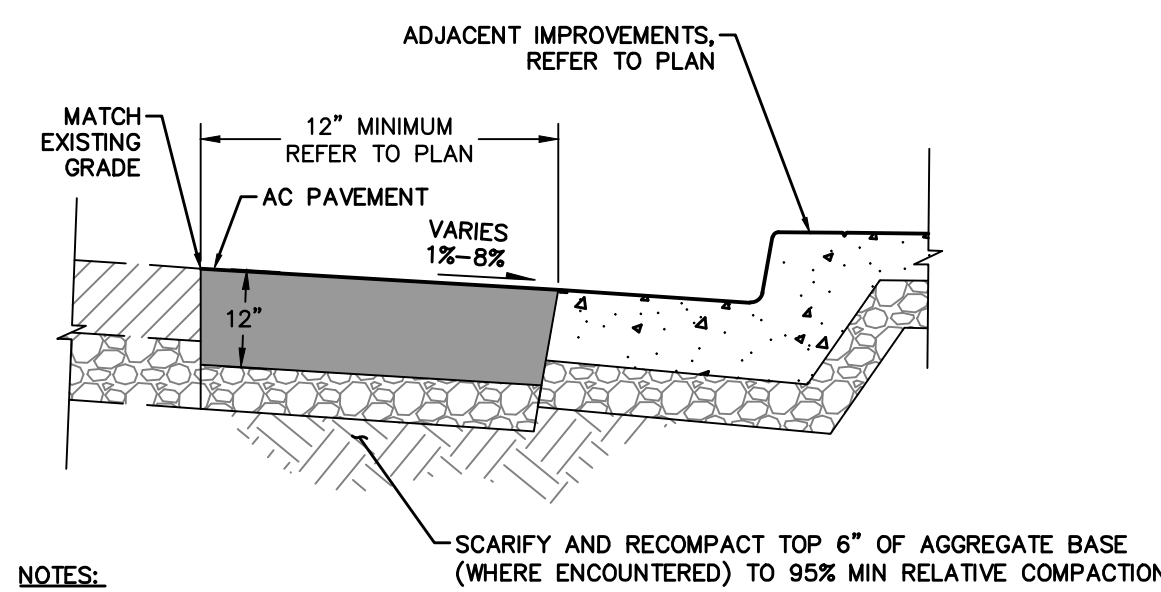


6 CONCRETE DOWELING
NTS

NOTES:
INSTALL SIGN NO LESS THAN 17" WIDE BY 22" HIGH POSTED EITHER 1) IN A CONSPICUOUS PLACE AT EACH ENTRANCE TO AN OFF-STREET PARKING FACILITY OR 2) IMMEDIATELY ADJACENT TO ONSITE ACCESSIBLE PARKING AND VISIBLE FROM EACH PARKING SPACE WHICH READS "UNAUTHORIZED VEHICLES PARKED IN DESIGNATED ACCESSIBLE SPACES. NOT DISPLAYING DISTINGUISHING PLACARDS OR SPECIAL LICENSE PLATES ISSUED FOR PERSONS WITH DISABILITIES WILL BE TOWED AWAY AT THE OWNERS EXPENSE. TOWED VEHICLES MAY BE RECLAIMED AT _____ OR BY TELEPHONING _____. (BLANK SPACES SHALL BE FILLED IN WITH APPROPRIATE INFORMATION AS A PERMANENT PART OF THE SIGN.)
70 SQ. IN. DARK BLUE REFLECTIVE PORCELAIN, ENAMEL STEEL SIGN WITH WHITE INTERNATIONAL SYMBOL OF ACCESSIBILITY MOUNTED 80" OFF F.G. ON 1.5" x 6" STEEL POST. PROVIDE AN ADDITIONAL SIGN OR ADDITIONAL LANGUAGE BELOW THE SYMBOL OF ACCESSIBILITY WHICH READS "MINIMUM FINE \$250 - VAN SPACE. SHALL HAVE AN ADDITIONAL "VAN ACCESSIBLE" SIGN MOUNTED BELOW THE SYMBOL OF ACCESSIBILITY PER CBC SEC 11B-502.6.



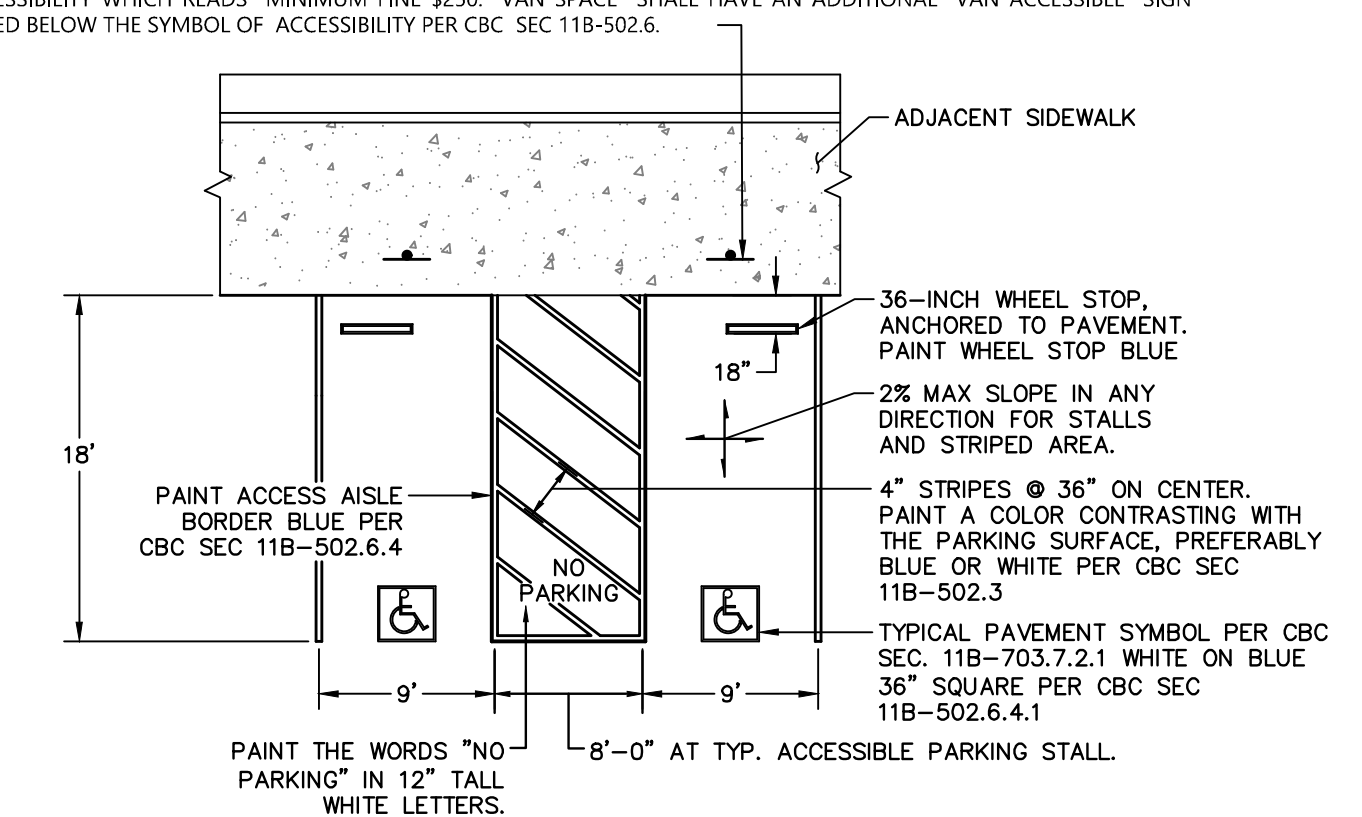
7 THICKENED CONCRETE EDGE
AT TREE WELLS AND GRATES
NTS



NOTES:

1. EXISTING PAVEMENT SECTION THICKNESSES VARY.

8 ASPHALT CONCRETE
FULL DEPTH CONFORM
NTS



9 ACCESSIBLE PARKING STALL STRIPING
NTS

REGISTERED PROFESSIONAL ENGINEER
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STATE OF CALIFORNIA
CIVIL
7/19/2024
REBECCA DOWER
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FERRY LANDSIDE IMPROVEMENT PROJECT
APN 065-073-03
SAUSALITO, CALIFORNIA

CIVIL DETAILS

No.	Revisions	Date
1	BID ADDENDUM NO. 2	07/09/2024
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Drawing Number:
C13.0
15 OF 38

ACCESSIBILITY NOTES

- ALL SITE WORK SHALL COMPLY WITH CURRENT CALIFORNIA BUILDING CODE (CALIFORNIA CODE OF REGULATIONS TITLE 24), CURRENT STANDARDS OF THE AMERICANS WITH DISABILITIES ACT (ADA), AND THE CURRENT FAIR HOUSING ACT DESIGN MANUAL.
- ALL PAVING AREAS SHALL BE ACCESSIBLE PER TITLE 24. ALL PAVING SURFACES ARE TO BE STABLE, FIRM, AND SLIP RESISTANT WITH CROSS SLOPES NOT TO EXCEED 2% IN ANY DIRECTION, UNLESS OTHERWISE NOTED. ACCESSIBLE PATHS OF TRAVEL ARE BARRIER-FREE ACCESS ROUTES AT LEAST 48" CLEAR IN WIDTH AND WITHOUT ANY ABRUPT VERTICAL LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAX SLOPE, OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAX. ALL ACCESSIBLE PATHWAYS SHALL BE SLOPED LESS THAN 5% IN THE DIRECTION OF TRAVEL, UNLESS OTHERWISE NOTED.
- ALL ACCESSIBLE PATHS OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS BELOW 80" ABOVE FINISH GRADE. OBJECTS WITH LEADING EDGES LOCATED BETWEEN 27" AND 80" ABOVE FINISH GRADE SHALL NOT PROTRUDE MORE THAN 4" HORIZONTALLY INTO THE PATH OF TRAVEL. EXCEPTIONS INCLUDE GUARDRAILS, DOOR CLOSERS, AND DOOR STOPS. GUARDRAILS OR OTHER BARRIERS SHALL BE PROVIDED WHERE OBJECT PROTRUSION IS BEYOND THE LIMITS ALLOWED.
- ALL PATHS SHALL HAVE GUARDRAILS WHEN VERTICAL CHANGE IS GREATER THAN 30" AND WITHIN 3'-0" OF PATH OF TRAVEL.

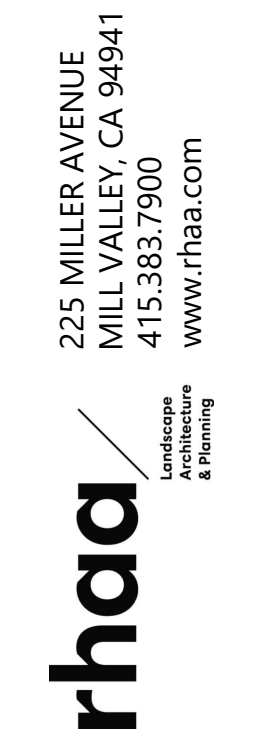
GENERAL NOTES

- THESE DRAWINGS AND SPECIFICATIONS DESCRIBE THE QUALITY AND CHARACTER OF THE MATERIALS, SHAPE, CONFIGURATION AND DESIGN INTENT OF THE COMPLETED, INSTALLED WORK. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING COMPLETE AND OPERATIONAL SYSTEMS AND INSTALLATIONS OF THE DESCRIBED DESIGN INTENT, INCLUDING ALL MISCELLANEOUS ITEMS OF WORK, MATERIALS, EQUIPMENT, ETC., NECESSARY TO COMPLETE THE INSTALLATION WHETHER OR NOT MENTIONED IN THE SPECIFICATIONS OR SHOWN ON THE DRAWINGS. ALL MATERIALS SHALL BE FURNISHED AND PROPERLY INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
- THE INSTALLED WORK SHALL CONFORM TO THE REQUIREMENTS OF THE GOVERNING BUILDING AUTHORITY, ALL SPECIAL REQUIREMENTS AND CONDITIONS OF THE BUILDING PERMIT, AND ALL APPLICABLE CODES, LAWS, STANDARDS, ETC.
- THE CONTRACTOR SHALL EXAMINE THE DRAWINGS AND SPECIFICATIONS AND CLEARLY UNDERSTAND THE EXISTING CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED PRIOR TO BIDDING. THE CONTRACTOR SHALL BE FAMILIAR WITH THE PROJECT SITE, FIELD INVESTIGATE, VERIFY AND BE RESPONSIBLE FOR ALL CONDITIONS, ELEVATIONS AND DIMENSIONS OF THE PROJECT, AS SHOWN ON OR REFERENCED ON THE DRAWINGS. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE ABOUT ANY CONDITION REQUIRING MODIFICATION OR CLARIFICATION PRIOR TO BIDDING. ENTERING INTO AN AGREEMENT WITH THE OWNER INDICATES THAT THE CONTRACTOR HAS VISITED THE SITE, FAMILIAR WITH THE EXISTING CONDITIONS AND FULLY UNDERSTANDS THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. NO ALLOWANCES OF ANY KIND WILL BE MADE FOR ANY EXTRA COST DUE TO THE CONTRACTOR'S FAILURE TO INFORM THE OWNER OF DISCREPANCIES IN TIME TO ISSUE CORRECTIVE ADDENDA PRIOR TO BIDDING.
- ALL GENERAL NOTES, DIMENSIONS, AND DETAILS SHALL BE CONSIDERED TYPICAL AND APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED. SPECIFIC NOTES, DETAILS AND SPECIFICATIONS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF ALL WORK BETWEEN TRADES, SUBCONTRACTORS, MANUFACTURERS, FABRICATORS, AND ALL OTHER CONTRACTED FOR THE COMPLETION OF THE WORK, INCLUDING THOSE UNDER SEPARATE CONTRACTS FOR CONCURRENT PROJECTS.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL TESTING, INSPECTIONS AND REPORTING AS OUTLINED IN THE CONTRACT DOCUMENT AND AS REQUIRED BY THE PERMITTING AUTHORITIES TO COMPLETE THE WORK.
- ALL UNDERGROUND UTILITIES SHOWN ON THESE PLANS REFLECT THE AVAILABLE RECORDS. CONTRACTOR SHALL USE CAUTION IN ALL EXCAVATION OPERATIONS. THE CONTRACTOR IS RESPONSIBLE TO INVESTIGATE AND VERIFY ALL EXISTING AND PROPOSED CONDITIONS AS SHOWN OR REFERENCED IN THE DOCUMENTS, INCLUDING LOCATION AND DEPTH OF ALL UTILITIES. THE CONTRACTOR SHALL IMMEDIATE NOTIFY THE OWNER'S REPRESENTATIVE OF ANY CONFLICTS AND/OR DISCREPANCIES BETWEEN EXISTING AND PROPOSED CONDITIONS WHICH WILL AFFECT THE WORK, BEFORE PROCEEDING WITH THE WORK.
- CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA 800-642-2444) TWO WORKING DAYS MINIMUM PRIOR TO ANY EXCAVATION.
- THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE DIVISION OF INDUSTRIAL SAFETY PERTAINING TO "CONFINED SPACE". ANY MANHOLE, CULVERT, DROP INLET OR TRENCH, WHICH COULD CONTAIN AIR THAT IS NOT READILY VENTILATED, MAY BE CONSIDERED A "CONFINED SPACE".
- PROVIDE ADEQUATE PROTECTION FOR ALL PROPOSED AND EXISTING UTILITIES DURING THE CONSTRUCTION OF THIS PROJECT.
- ALL EXISTING UTILITY STRUCTURES (SHOWN OR NOT SHOWN ON THE DRAWINGS) WITHIN THE AREA OF WORK SHALL BE ADJUSTED OR RECONSTRUCTED TO THE FINISH GRADES SHOWN AND SPECIFIED.
- UTILITY CONNECTIONS AND DISCONNECTIONS NECESSARY TO COMPLETE THE WORK SHALL BE PERFORMED IN SUCH A MANNER AS TO MINIMIZE UTILITY SERVICE INTERRUPTIONS. CONTRACTOR SHALL COORDINATE ALL "DOWN TIME" WITH THE OWNER'S REPRESENTATIVE AND THE APPROPRIATE UTILITY AND/OR AGENCY.
- REFER TO CIVIL DRAWINGS FOR INFORMATION AND LOCATION OF ALL EXISTING AND PROPOSED UTILITIES.
- THE CONTRACTOR SHALL PROTECT EXISTING FACILITIES, TREES, LANDSCAPE AND OTHER ITEMS TO REMAIN FROM DAMAGE. ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL PROVIDE BARRICADES, SIGNS, LIGHTS, ETC. FOR THE PROTECTION OF PUBLIC, PERSONNEL, PROPERTY, AND MATERIAL AND TO PREVENT UNCONTROLLED ACCESS TO THE SITE AT ALL TIMES. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, AND NOT LIMITED TO NORMAL WORKING HOURS.

- THE CONTRACTOR SHALL PROVIDE ACCESSIBLE EGRESS AND INGRESS TO ON-SITE FACILITIES THAT ARE TO REMAIN OPERATIONAL DURING CONSTRUCTION.
- ANY PERMANENT MONUMENTS OR POINTS DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED BY A LICENSED ENGINEER OR LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL EMPLOY ALL MEANS NECESSARY TO CONTROL AIRBORNE PARTICULATE (DUST) AT AND NEAR THE CONSTRUCTION SITE OF WORK AND ALONG APPROACH ROUTES TO THE CONSTRUCTION SITE AND IN COMPLIANCE WITH LOCAL AIR QUALITY STANDARDS.
- BEFORE ACCEPTANCE BY THE OWNER'S REPRESENTATIVE, THE COMPLETED CONSTRUCTION SHALL BE CLEARED, ANY APPLICABLE LABELS REMOVED, AND ALL OTHER TOUCHUP WORK COMPLETED. ALL FINISH MATERIALS SHALL BE PROTECTED AT ALL TIMES AGAINST SUBSEQUENT DAMAGE UNTIL FINAL ACCEPTANCE BY THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE FOR DESIGNATION OF THE EQUIPMENT AND MATERIAL STORAGE AND STAGING AREAS AT THE JOB SITE.
- WASTEWATER GENERATED DURING CONSTRUCTION SHALL NOT BE DISCHARGED TO THE STORM DRAIN SYSTEM. IF NECESSARY, THE CONTRACTOR SHALL PROVIDE AN AREA FOR ON-SITE WASHING ACTIVITIES DURING CONSTRUCTION. MATERIALS THAT COULD CONTAMINATE STORMWATER RUNOFF SHALL BE STORED IN AREAS WHICH ARE DESIGNED TO PREVENT EXPOSURE TO RAINFALL AND PREVENT RUNOFF. GRADING AND DRAINAGE FEATURES SHALL BE CONSTRUCTED SO THAT WATER FLOW DOES NOT DRAIN TO OTHER PROPERTIES. FLUSHING OF STREETS AND PARKING LOTS TO REMOVE DIRT AND CONSTRUCTION DEBRIS IS PROHIBITED UNLESS PROPER SEDIMENT CONTROLS ARE USED.
- REFER TO CIVIL DRAWINGS FOR THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP). IF NO PLAN IS PROVIDED, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE A SWPPP TO THE APPROPRIATE AGENCY FOR APPROVAL.
- THE CONTRACTOR IS RESPONSIBLE FOR CONFORMING TO ALL IMPROVEMENTS TO THE ADJACENT EXISTING CONDITIONS WITH SMOOTH TRANSITIONS TO AVOID ANY ABRUPT OR APPARENT CHANGES IN GRADES, CROSS SLOPE, HAZARDOUS CONDITIONS, ETC.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE OF ANY REVISIONS OR ADDITIONAL WORK REQUIRED AS A RESULT OF FIELD CONDITIONS OR LOCAL GOVERNING AUTHORITIES. ALL REVISIONS SHALL BE IN WRITTEN CHANGE ORDER FORM AND APPROVED AND AUTHORIZED BY THE OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK. WORK PERFORMED WITHOUT WRITTEN AUTHORIZATION SHALL BE THE FULL RESPONSIBILITY OF THE CONTRACTOR AND AT NO ADDITIONAL COST TO THE OWNER.

QUALITY CONTROL NOTES

- CONTRACTOR IS TO PROVIDE A SUMMARY OF ALL SUBMITTALS AND MOCKUPS NECESSARY FOR LANDSCAPE WORK AND ASSOCIATED SCOPE ITEMS FOR APPROVAL BY LANDSCAPE ARCHITECT. CONTRACTOR IS TO PROVIDE COMPREHENSIVE SUBMITTALS AS OUTLINED IN THE APPROVED SUMMARY OF SUBMITTALS IN TIMELY MANNER AND IN ACCORDANCE WITH THE CONTRACT FOR REVIEW AND APPROVAL.
- THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING SHOP DRAWINGS THAT ARE COORDINATED WITH ALL DISCIPLINES AND WITH EXISTING AND PROPOSED CONDITIONS AND WILL REFLECT ALL INFORMATION NECESSARY FOR COORDINATION AND CONFORMANCE REQUIREMENTS.
- ALL APPROVED SUBMITTALS, TEST RESULTS, PRODUCTS, SYSTEMS, SHOP DRAWINGS, MATERIALS, AND MOCKUPS WILL BE CONSIDERED PART OF THE PROJECT SPECIFICATIONS.



FERRY LANDSIDE IMPROVEMENT PROJECT
 APN 065-073-03
 SAUSALITO, CALIFORNIA

GENERAL NOTES

Date: 07/09/2024	Revisions
Scale: AS SHOWN	BID ADDENDUM NO. 2
Design: TS / OH	
Drawn: TS / OH	
Approved: BL	
Job No: 20191036	

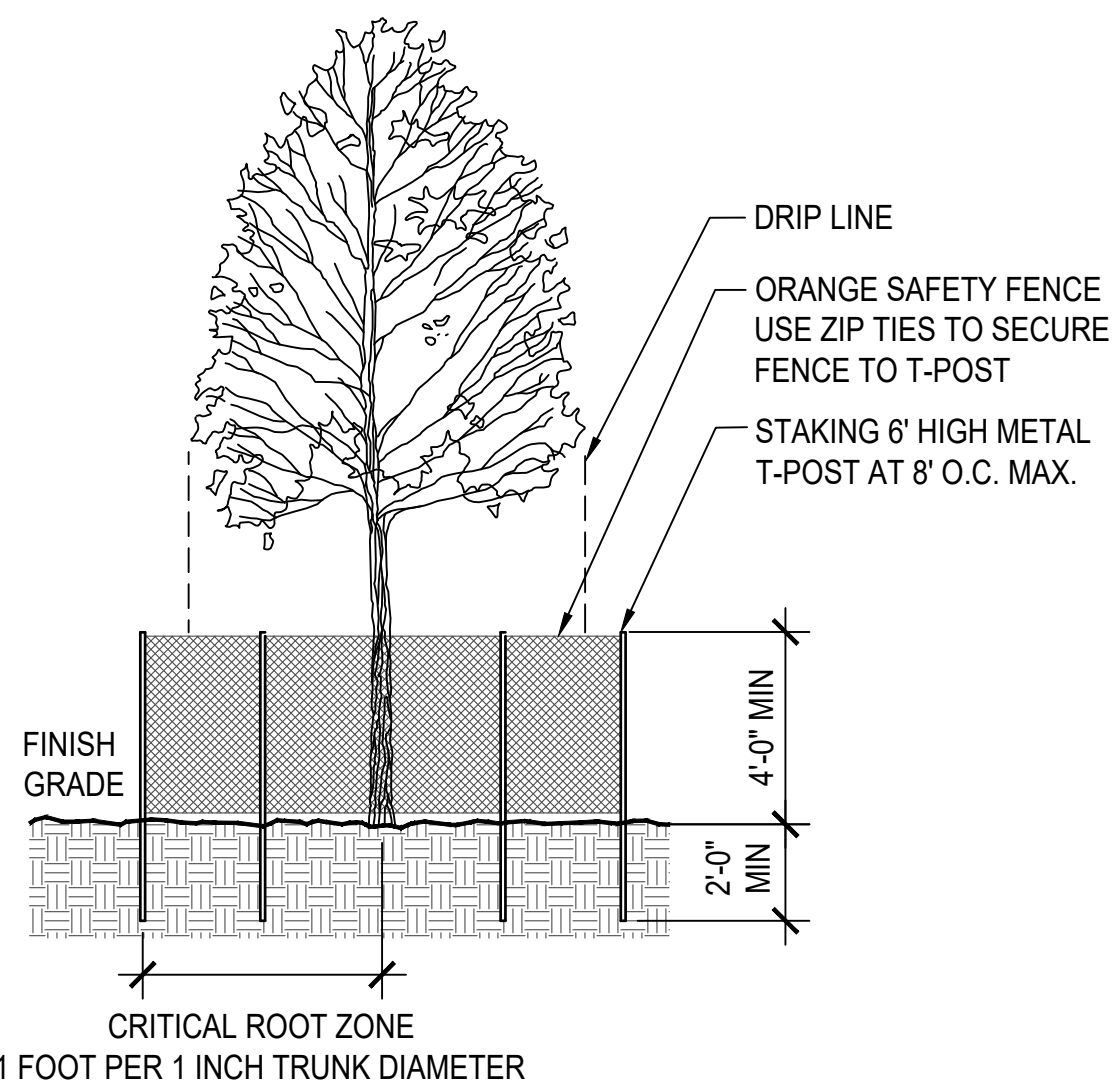
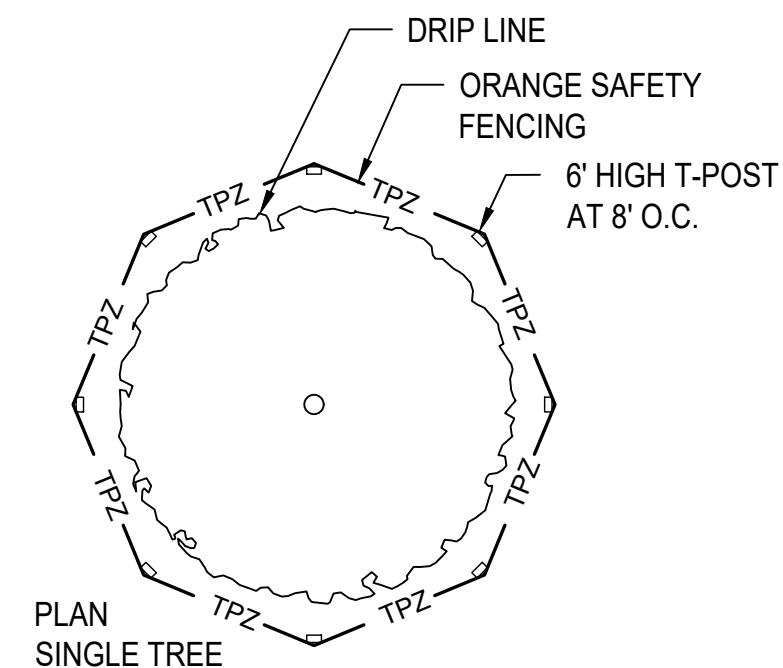
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TREE PROTECTION & REMOVAL LEGEND

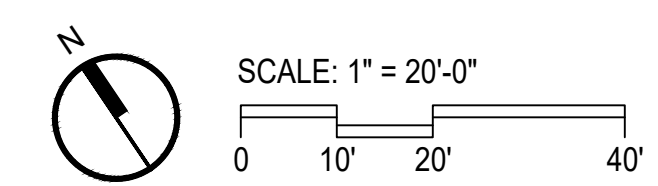
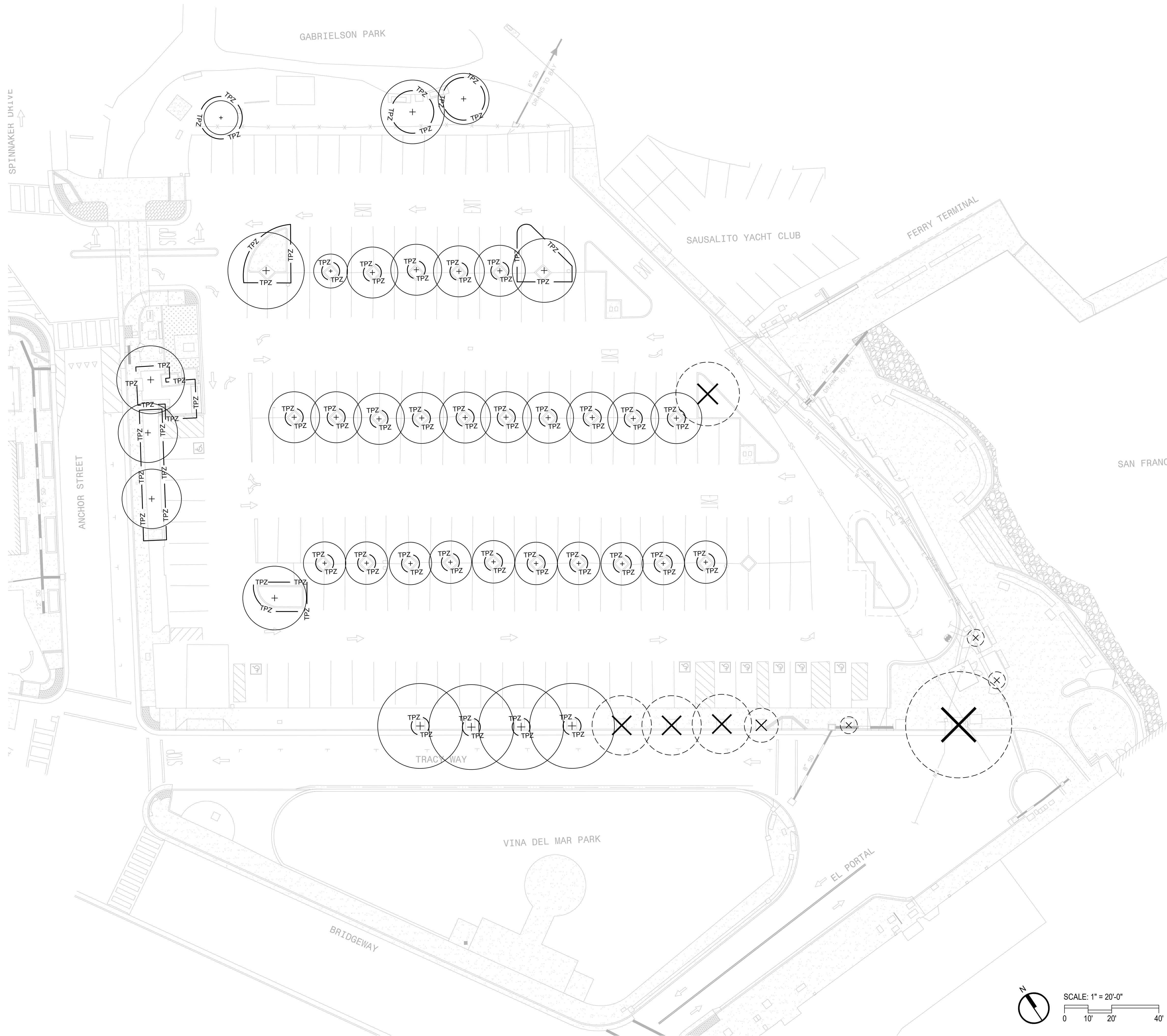
- TPZ — TREE PROTECTION ZONE, SEE SPECS
- (X) (E) TREE TO BE REMOVED
- (+) (E) TREE TO REMAIN

TREE PROTECTION & REMOVAL NOTES

1. REFER TO SPECIFICATIONS FOR EXISTING TREE PROTECTION REQUIREMENTS.
2. PROTECT ALL TREES FROM CONSTRUCTION IMPACTS AS SPECIFIED AND SUBJECT TO REVIEW AND APPROVAL OF OWNER'S REPRESENTATIVE.



1 TREE PRESERVATION FENCING
SCALE: 1/4" = 1'-0"



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FERRY LANDSIDE IMPROVEMENT PROJECT
APN 065-073-03
SAUSALITO, CALIFORNIA
TREE PROTECTION & REMOVAL PLAN

Date: 07/09/2024	Revisions
Scale: AS SHOWN	BID ADDENDUM NO. 2
Design: TS / OH	
Drawn: TS / OH	
Approved: BL	
Job No. 20191036	

Plot: Jul 09, 2024 at 3:19pm
L1.0 Tree Protection & Removal Plan.dwg COPYRIGHT © 2024, RBF ENGINEERS

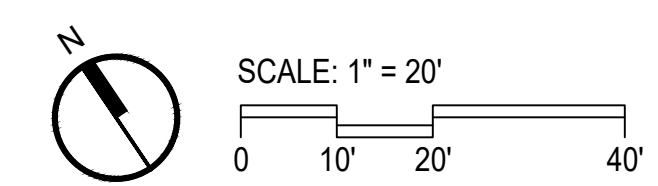
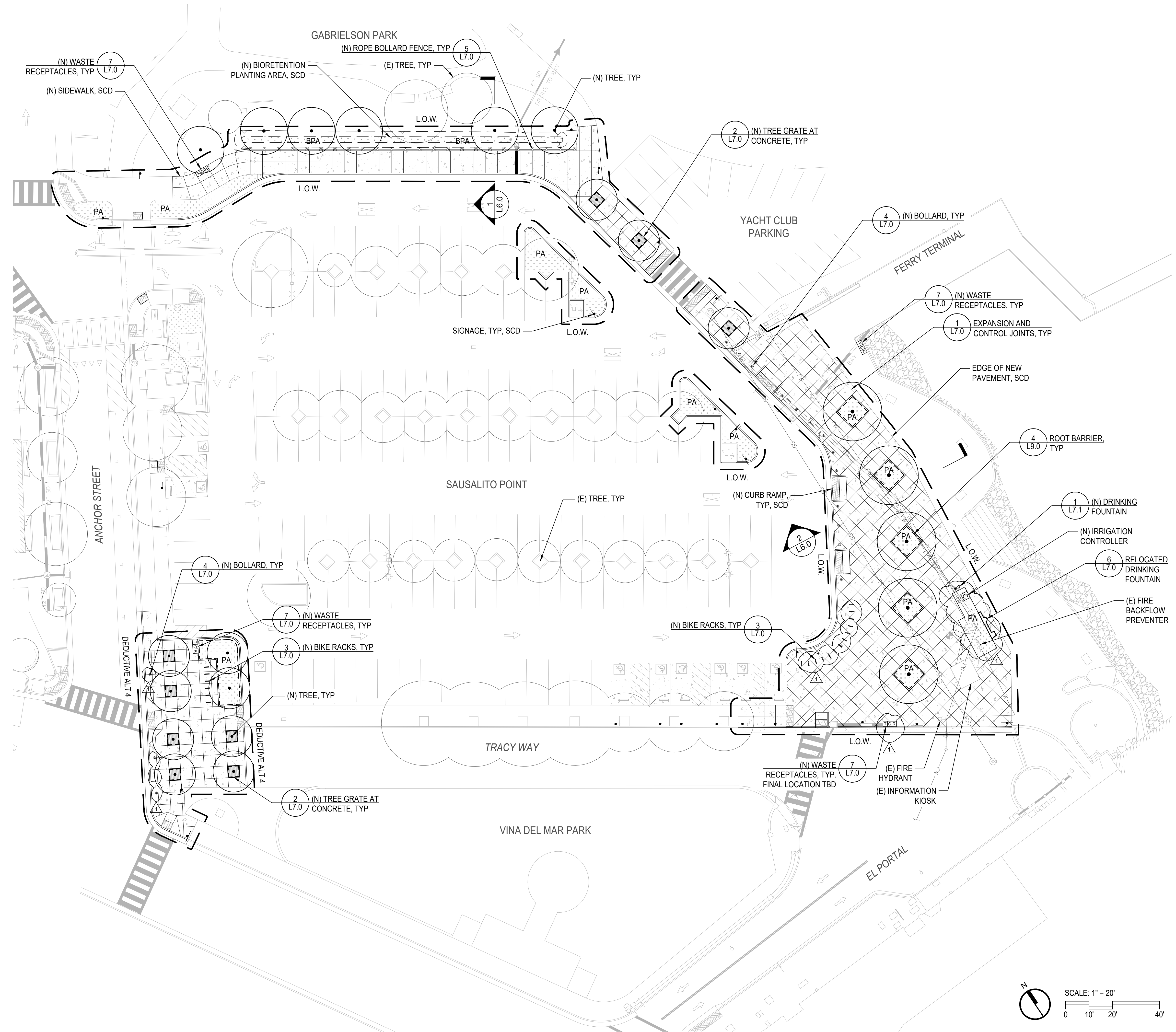
CONSTRUCTION PLAN LEGEND

- EA EACH
- (E) EXISTING
- LOW LIMIT OF WORK
- (N) NEW
- SCD SEE CIVIL DRAWINGS
- TYP TYPICAL
- SCORE JOINT, SEE SPECS
- EXPANSION JOINT, SEE SPECS
- (E) CONCRETE PAVING
- (N) CONCRETE PAVING, SCD
- PA PLANTING AREA
- BPA BIORETENTION PLANTING AREA
- (N) CONTROLLER
- (N) LIGHT - BOLLARD
- (N) TREE

FURNISHINGS SCHEDULE - BASE BID					
QTY	SYMBOL	NOTES	LENGTH	WIDTH	HEIGHT
19		BIKE RACK		1'-11 5/8"	2'-7 1/2"
19		BOLLARD		0'-7 1/2"	2'-9 1/2"
9		TREE GRATE	5'-0"	5'-0"	
3 EA		TRASH, COMPOST, & RECYCLING RECEPTACLES			
1		DRINKING FOUNTAIN	2'-5"	0'-10"	5'-4"

FURNISHINGS SCHEDULE - DEDUCTIVE ALT 4					
QTY	SYMBOL	NOTES	LENGTH	WIDTH	HEIGHT
13		BIKE RACK		1'-11 5/8"	2'-7 1/2"
14		BOLLARD		0'-7 1/2"	2'-9 1/2"
3		TREE GRATE	5'-0"	5'-0"	
2 EA		TRASH, COMPOST, & RECYCLING RECEPTACLES			
1		DRINKING FOUNTAIN	2'-5"	0'-10"	5'-4"

NOTES:
REFER TO DETAILS & SPECS FOR DIMENSIONAL & PRODUCT INFORMATION. DIMENSIONS PROVIDED FOR REFERENCE ONLY.



Date: 07/09/2024	Revisions
Scale: AS SHOWN	BID ADDENDUM NO. 2
Design: TS / OH	
Drawn: TS / OH	
Approved: BL	
Job No. 20191036	

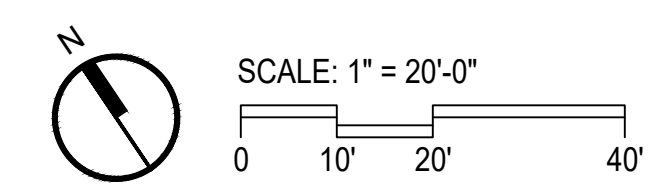
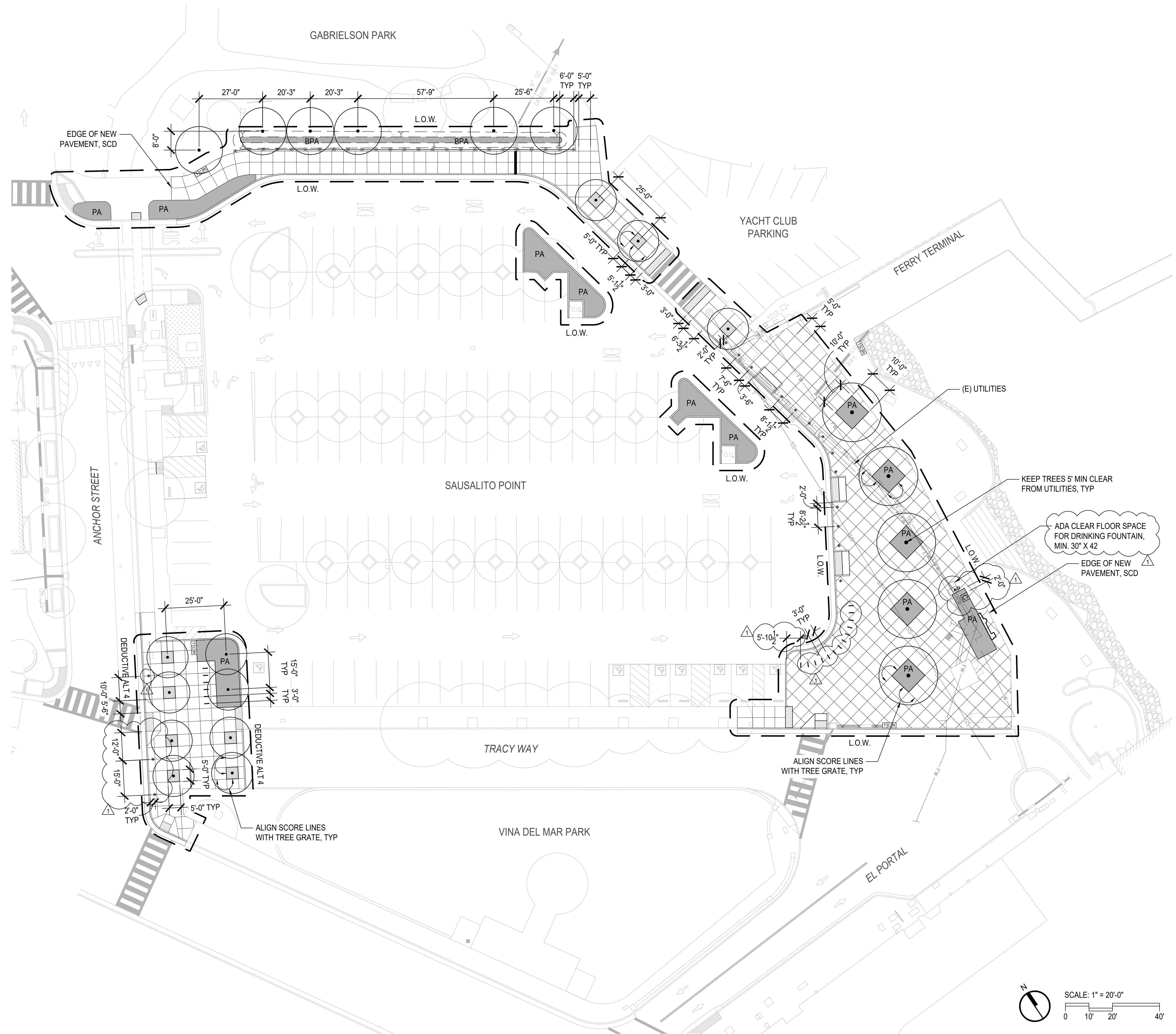
Plot: Jul 09, 2024 at 3:19pm
L2.0 Construction Plan.dwg
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LAYOUT LEGEND

- ⊕ CENTER LINE
- ALIGN
- SCORE JOINT, SEE SPECS
- EJ EXPANSION JOINT, SEE SPECS
- EQ EQUAL
- (E) EXISTING
- MAX MAXIMUM
- MIN MINIMUM
- OC ON CENTER
- TYP TYPICAL
- LIGHT - BOLLARD
- PA PLANTING AREA
- BPA BIORETENTION PLANTING AREA

LAYOUT NOTES

1. THE CONTRACTOR IS RESPONSIBLE TO LAYOUT ALL IMPROVEMENTS AS SHOWN AND SPECIFIED.
2. THE CONTRACTOR SHALL FIELD VERIFY THAT ALL STAKING SET FOR IMPROVEMENTS ARE CONSISTENT WITH THE DESIGN INTENT OF THESE PLANS AND IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT OF ANY DISCREPANCY.
3. ALL CURVES TO BE CONTINUOUS WITH SMOOTH TRANSITIONS AS SHOWN IN THE DRAWINGS, UNLESS OTHERWISE NOTED.
4. HORIZONTAL DIMENSIONS ARE SHOWN AT THE PRIMARY GEOMETRIC CONTROL POINTS FOR THE IMPROVEMENTS TO AID THE CONTRACTOR WITH THE ESTABLISHMENT OF THE HORIZONTAL LOCATION OF THE IMPROVEMENTS AND ARE BASED ON THE SURVEY PROVIDED BY THE CIVIL ENGINEER.
5. THE CONTRACTOR SHALL REFER TO THE ENGINEERING PLANS FOR THE LAYOUT, DIMENSIONS, ANGLES AND ELEVATIONS OF ALL BUILDINGS, STRUCTURES, UTILITIES, CURBS AND GUTTERS.



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 MILL VALLEY, CA 94541
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 www.rhaa.com

FERRY LANDSIDE IMPROVEMENT PROJECT
 APN 065-073-03
 SAUSALITO, CALIFORNIA

No.	Revisions
1	BID ADDENDUM NO. 2

Date: 07/09/2024
 Scale: AS SHOWN
 Design: TS / OH
 Drawn: TS / OH
 Approved: BL
 Job No: 20191036

Plot: Jul 09, 2024 at 3:19pm
 L3.0 Layout Plan.dwg
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WATER EFFICIENT LANDSCAPE (MWEL) WORKSHEET - NON-RESIDENTIAL DEDUCTIVE ALTERNATIVE 4

Project Information
 Date: 7/9/2024
 Project Applicant: RHAA Landscape Architecture and Planning
 Project Address: Sausalito Ferry Landing, Sausalito, CA
 Total Landscape Area: 3,051 sq ft
 Project Type: New
 Water Supply Type: Potable
 Project Contact Project Applicant: Barbara Lundburg (Principal RHAA), PH: (415) 383 7905
 Project Contact Project Owner: Barbara Lundburg CA LA #1591

"I agree to comply with the requirements of the water efficient landscape ordinance and submit a complete Landscape Documentation Package"

Name of City: Sausalito
 Reference Evapotranspiration (Eto) = 34.3 inches/year

Hydrozone (a)	Plant Description	Plant Factor (PF) (g)	Irr Method (b)	Irrigation Efficiency IE (c)	ETAF (PF/IE) (f)	Landscape Area (sq ft)	ETAF x Area	Estimated Total Water Use (ETWU) (e)	
REGULAR LANDSCAPE AREAS									
Shrub	1	Low	0.3	Drip	0.81	0.37	419	155	3,300
Bioretention	2	Low	0.3	Spray	0.75	0.40	1,047	419	8,906
Tree	3	Mod	0.6	Drip	0.81	0.74	60	44	945
Shrub	4	Low	0.3	Drip	0.81	0.37	1,445	535	11,377
Tree	5	Low	0.3	Drip	0.81	0.37	80	30	630
TOTALS						3,051	1,183		
						(A)	(B)		

SPECIAL LANDSCAPE AREAS (SLA)				
Recreation Areas	1	0	0	0
Edible Plants	1	0	0	0
Recycled Water	1	0	0	0
TOTALS				0
				(C)

ETWU Total	25,159
Maximum Allowed Water Allowance (MAWA) (e)	29,192

(a) Hydrozone #/Planting Description
 Eg 1) front lawn
 2) low water use plantings
 3) medium water use planting

(b) Irrigation Method
 overhead spray
 or drip

(c) Irrigation Efficiency
 0.75 for spray head
 0.81 for drip

(d) ETWU (Annual Gallons Required) = $Eto \times 0.62 \times ETAF \times Area$
 where 0.62 is a conversion factor that converts acre-inches per acre per year to gallons per square foot per year.

(e) MAWA (Annual Gallons Allowed) = $(Eto) (0.62) [(ETAF \times LA) + ((1-ETAF) \times SLA)]$
 where 0.62 is a conversion factor that converts acre-inches per acre per year to gallons per square foot per year, LA is the total landscape area in square feet, SLA is the total special landscape area in square feet.

(f) ETAF Evapotranspiration Adjustment Factor
 Average ETAF for Regular Landscape Areas must be 0.55 or below for residential areas, and 0.45 or below for non-residential areas.

(g) Plant Factor

Very Low Water Use 0.1
 Low Water Use 0.1 - 0.3
 Moderate Water Use 0.4 - 0.6
 High Water Use 0.7 - 1.0

ETAF Calculations

Regular Landscape Areas	
Total ETAF x Area	1,183 (B)
Total Area	3,051 (A)
Average ETAF	0.39 (B/A)

All Landscape Areas	
Total ETAF x Area	1,183 (B + D)
Total Area	3,051 (A + C)
Sitewide ETAF	0.39 (B + D) / (A + C)

IRRIGATION NOTES

- REFER TO PLANS, DETAILS AND SPECIFICATIONS FOR IRRIGATION SYSTEM COMPONENTS, INSTALLATION, MAINTENANCE, SCHEDULING, AND REPORTING REQUIREMENTS.
- THE CONTRACTOR SHALL COMPLY WITH LOCAL WATER DISTRICT PROCEDURES & REQUIREMENTS, ALL CITY OF SAUSALITO REQUIREMENTS, AND THE STATE WATER EFFICIENT LANDSCAPE ORDINANCE. ORDINANCE CRITERIA HAS BEEN APPLIED ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN.
- THESE IRRIGATION DRAWINGS ARE DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE INSTALLED. ALL PIPING, VALVES, AND OTHER IRRIGATION COMPONENTS ARE TO BE INSTALLED WITHIN PLANTING AREAS TO THE GREATEST EXTENT POSSIBLE. DUE TO THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, SLEEVES, CONDUIT, AND OTHER ITEMS WHICH MAY BE REQUIRED.
- THE CONTRACTOR IS TO INVESTIGATE THE EXISTING AND PROPOSED FINISHED CONDITION OF THE WORK. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE OF ANY CONFLICTS AND/OR DISCREPANCIES BETWEEN EXISTING AND PROPOSED CONDITIONS WHICH WILL AFFECT THE WORK, BEFORE PROCEEDING WITH THE WORK. IN THE EVENT THESE NOTIFICATIONS ARE NOT PERFORMED, THE CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR REQUIRED REVISIONS.
- THE CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES, INCLUDING THE INSTALLATION OF ALL PIPE, CONDUIT AND SLEEVES THROUGH OR UNDER WALLS, ROADWAYS, PAVING AND STRUCTURES.
- PRIOR TO TRENCHING AND DIGGING, CONTACT USA (800-227-2600) TO LOCATE ALL UNDERGROUND UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MINOR CHANGES IN THE IRRIGATION LAYOUT DUE TO OBSTRUCTIONS NOT SHOWN ON THE IRRIGATION DRAWINGS SUCH AS UNDERGROUND UTILITIES, VAULTS, ETC. THE CONTRACTOR SHALL AVOID CONFLICTS WITH UNDERGROUND UTILITIES, NEW PLANTING, SITE OR ARCHITECTURAL ELEMENTS, AND EXISTING TREES; ANY DAMAGE TO THESE CAUSED BY THE INSTALLATION OF THE IRRIGATION SYSTEM SHALL BE REPAIRED AND/OR REPLACED AT NO EXPENSE TO THE OWNER.
- THE CONTRACTOR SHALL VERIFY FLOW RATE AND PRESSURE AT THE POINT OF CONNECTION PRIOR TO THE INSTALLATION OF THE IRRIGATION SYSTEM AND NOTIFY THE OWNER'S REPRESENTATIVE OF TEST RESULTS BEFORE CONSTRUCTION BEGINS. NOTIFY LANDSCAPE ARCHITECT IF PRESSURE IS GREATER OR LESS THAN THE STATIC PRESSURE STATED ON THE PLANS TO DETERMINE IF PRESSURE REGULATION OR A BOOSTER PUMP IS REQUIRED.
- INSTALL ALL IRRIGATION EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS.
- WHERE PIPE SIZES HAVE BEEN OMITTED OR THERE IS A CONFLICT, REFER TO THE LATERAL PIPE SIZING CHART FOR SIZES. AS CHANGES IN LAYOUT OCCUR DURING STAKING AND CONSTRUCTION, PIPE SIZES MAY NEED TO BE ADJUSTED ACCORDINGLY. ALL LATERAL END RUNS SHALL BE 1" SIZE UNLESS OTHERWISE NOTED.
- THE REMOTE CONTROL VALVES SPECIFIED ON THE DRAWINGS ARE PRESSURE REDUCING TYPES. SET THE DISCHARGE PRESSURE AS RECOMMENDED BY MANUFACTURER.
- LOCATE BUBBLERS AND EMITTERS ON UPHILL SIDE OF PLANT OR TREE.

WATER EFFICIENT LANDSCAPE (MWEL) WORKSHEET - NON-RESIDENTIAL BASE BID

Project Information
 Date: 7/9/2024
 Project Applicant: RHAA Landscape Architecture and Planning
 Project Address: Sausalito Ferry Landing, Sausalito, CA
 Total Landscape Area: 3,051 sq ft
 Project Type: New
 Water Supply Type: Potable
 Project Contact Project Applicant: Barbara Lundburg (Principal RHAA), PH: (415) 383 7905
 Project Contact Project Owner: Barbara Lundburg CA LA #1591

"I agree to comply with the requirements of the water efficient landscape ordinance and submit a complete Landscape Documentation Package"

Name of City: Sausalito
 Reference Evapotranspiration (Eto) = 34.3 inches/year

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Bioretention	2	Low	0.3	Spray	0.75	0.40	1,047	419	8,906
Tree	3	Mod	0.6	Drip	0.81	0.74	60	44	945
Shrub	4	Low	0.3	Drip	0.81	0.37	1,445	535	11,377
Tree	5	Low	0.3	Drip	0.81	0.37	80	30	630
Tree	6	Low	0.3	Drip	0.81	0.37	80	30	630
Shrub	7	Low	0.3	Drip	0.81	0.37	355	131	2,796
TOTALS						3,051	1,344		
						(A)	(B)		

SPECIAL LANDSCAPE AREAS (SLA)				
Recreation Areas	1	0	0	0
Edible Plants	1	0	0	0
Recycled Water	1	0	0	0
TOTALS				0
				(C)

ETWU Total	28,585
Maximum Allowed Water Allowance (MAWA) (e)	29,192

(a) Hydrozone #/Planting Description
 Eg 1) front lawn
 2) low water use plantings
 3) medium water use planting

(b) Irrigation Method
 overhead spray
 or drip

(c) Irrigation Efficiency
 0.75 for spray head
 0.81 for drip

(d) ETWU (Annual Gallons Required) = $Eto \times 0.62 \times ETAF \times Area$
 where 0.62 is a conversion factor that converts acre-inches per acre per year to gallons per square foot per year.

(e) MAWA (Annual Gallons Allowed) = $(Eto) (0.62) [(ETAF \times LA) + ((1-ETAF) \times SLA)]$
 where 0.62 is a conversion factor that converts acre-inches per acre per year to gallons per square foot per year, LA is the total landscape area in square feet, SLA is the total special landscape area in square feet.

(f) ETAF Evapotranspiration Adjustment Factor
 Average ETAF for Regular Landscape Areas must be 0.55 or below for residential areas, and 0.45 or below for non-residential areas.

ETAF Calculations

Regular Landscape Areas	
Total ETAF x Area	1,344 (B)
Total Area	3,051 (A)
Average ETAF	0.44 (B/A)

All Landscape Areas	
Total ETAF x Area	1,344 (B + D)
Total Area	3,051 (A + C)
Sitewide ETAF	0.44 (B + D) / (A + C)

(g) Plant Factor

Very Low Water Use 0.1
 Low Water Use 0.1 - 0.3
 Moderate Water Use 0.4 - 0.6
 High Water Use 0.7 - 1.0

- CONTRACTOR SHALL MAKE FINAL CONNECTION BETWEEN ELECTRICAL SUPPLY AND THE CONTROLLER, AND BETWEEN THE MAIN LINE AND WATER SOURCE AT THE POINT OF CONNECTION(S).
- THE INTENT OF THIS IRRIGATION SYSTEM IS TO PROVIDE THE MINIMUM AMOUNT OF WATER REQUIRED TO SUSTAIN GOOD PLANT HEALTH. IT IS THE RESPONSIBILITY OF THE LANDSCAPE MAINTENANCE CONTRACTOR TO PROGRAM THE IRRIGATION CONTROLLER(S) TO PROVIDE THE MINIMUM AMOUNT OF WATER NEEDED TO SUSTAIN GOOD PLANT HEALTH. THIS INCLUDES MAKING ADJUSTMENTS TO THE PROGRAM FOR SEASONAL WEATHER CHANGES, PLANT MATERIAL, WATER REQUIREMENTS, MOUNDS AND SLOPES, SUN, SHADE AND WIND EXPOSURE.
- THE CONTRACTOR SHALL COORDINATE VALVE NUMBERING, CONTROLLER OPERATIONS AND PROGRAMMING WITH OWNER'S REPRESENTATIVE.
- STATION OPERATION TIMES SHALL NOT DELIVER WATER EXCEED THE SOIL INFILTRATION RATE(S) AS DETERMINED BY THE SOILS REPORT(S).
- THE CONTRACTOR SHALL PROVIDE THE OWNER'S REPRESENTATIVE WITH CLEAR AS-BUILT PLANS OF THE INSTALLED OF IRRIGATION SYSTEM.
- INSTALL 2-WIRE CABLE WITHIN SCH.40 1.25" CONDUIT WITH LONG SWEEPS IN AND OUT OF EACH VALVE BOX. SEAL ALL CONDUIT OPENINGS WITH WATERPROOF FOAM.
- EVERY CHANGE IN DIRECTION. ONLY SPLICE TWO WIRE CABLE AT THREE WAY WIRE CONNECTIONS.
- IRRIGATION CONTROL WIRES: SOLID COPPER WITH U.L. APPROVAL FOR DIRECT BURIAL IN GROUND. SIZE #14AWG WIRE WITH A JACKETED 2-CONDUCTOR. PREFERRED WIRE MAKE AND MODEL IS THE PAIGE IRRIGATION WIRE, SPEC P7072D. ALL SPLICING SHALL BE MADE WITH 3-M DBR/Y-6 WATERPROOF SPLICE KIT.
- DECODER GROUNDING SHALL BE PROVIDED EVERY (500 FEET OR EVERY 8 DECODERS, WHICHEVER IS SMALLER, AT THE CONTROLLER AND AT THE LAST DECODER OR AT THE END OF THE 2 WIRE PATH. GROUND WITH A 5/8" X 8' COPPER CLAD GROUNDING ROD. #6 COPPER WIRE TO SURGE DEVICE/DECODER. INCLUDE A SURGE ARRESTOR AT EACH GROUNDING LOCATION. A SPLIT BOLT CONNECTION TO BE USED TO CONNECT THE SURGE DEVICE TO THE GROUND WIRE WITH A DBR/Y-6 WATERPROOF CONNECTOR.
- SPLICING OF JACKETED 2-WIRE IS PERMITTED IN VALVE BOXES ONLY. LEAVE A 24" LONG COIL OF WIRE AT EACH SPLICE AND A 24" LONG EXPANSION LOOP IN ALL PULL BOXES.

IRRIGATION REFERENCES

- CALIFORNIA WATER EFFICIENT LANDSCAPE ORDINANCE (AB 1881), OR ADOPTED LOCAL ORDINANCE
- LOCAL WATER DISTRICT REQUIREMENTS
- LATEST EDITION OF THE UNIFORM PLUMBING CODE AND THE NATIONAL ELECTRIC CODE

IRRIGATION LEGEND

- (M) (E) IRRIGATION METER, SEE CIVIL
- (E) BACKFLOW PREVENTOR, SEE CIVIL
- (MV) MASTER VALVE
GRISWOLD SERIES 2000, NORMALLY OPEN, 2" LINE
- (FS) FLOW SENSOR
RAINBIRD FS SERIES
- (C) CONTROLLER
RAINBIRD ESP-LXD WEATHER-BASED 2-WIRE DECODER CONTROLLER W/ LSXMMSS STAINLESS STEEL CABINET & LSXMMSSPED STAINLESS STEEL PEDESTAL. PROVIDE FIRST GROUND 25' AWAY FROM CONTROLLER, THEN 600' THEREAFTER, AND AT SPURS OVER 50'. PROVIDE GROUND 8' OFF 2-WIRE PATH. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- (S) SOIL SENSORS
RAINBIRD * SOIL SENSORS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
- (W) WEATHER SENSOR
RAINBIRD*
- MAINLINE PIPE
SCH 40 PVC, 3" AND SMALLER, SEE SIZING CHART
- LATERAL LINE PIPE
SCH 40 PVC, 1" AND LARGER, SEE SIZING CHART
- (6) SLEEVE
SCH 40 PVC, SIZE AS SHOWN
- REMOTE CONTROL VALVE - MEDIUM AND HIGH FLOW
RAINBIRD PESB-PRS-D-R
PRESSURE REGULATING TYPE
- EMITTER REMOTE CONTROL VALVE - LOW FLOW DRIP ZONES
RAINBIRD XERIGATION CONTROL ZONE KITS
XCZ-PRB-100-COM-R
PRESSURE REGULATING TYPE
- ISOLATION VALVE
NIBCO T113-IRR, LINE SIZE
- QUICK COUPLING VALVE
RAINBIRD 33-DNP
- SUBSURFACE DRIP IRRIGATION
RAINBIRD XFS-CV-06-18 DRIFLINE
1/2" POLYETHYLENE DRIP EMITTER LINE W/ PRESSURE REGULATING EMITTERS & COPPER RUB PROTECTION & QF DRIFLINE FLEX HEADERS. 18" O.C. EMITTER SPACING. RB XFS OPERATION INDICATOR AT END OF EACH DRIP ZONE.
- CONTROLLER / STATION NUMBER
GALLON PER MINUTE OF ZONE
VALVE SIZE
- TREE BUBBLERS - 2 PER TREE
RAINBIRD: RWS-M-B-C-1402, 0.5 GPM,
CHECK VALVE
- SPRAY IRRIGATION
RAINBIRD RD 1806PRS W/ VAN SERIES VARIABLE ARC NOZZLES

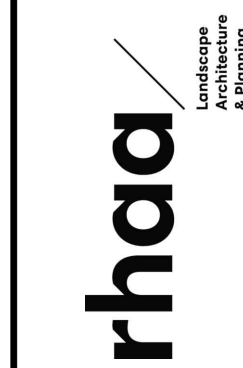
SYSTEM INFORMATION
 POTABLE WATER

70 PSI AVAILABLE PSI AT POC
 90 GPM AVAILABLE GPM AT POC
 30 PSI OPERATING PSI FOR SYSTEM
 60 GPM OPERATING GPM FOR SYSTEM

PVC SCH 40 PIPE SIZE	
PIPE SIZE	GPM
1"	0-11
1-1/2"	12-24
2"	24-35
2-1/2"	35-60
3"	60-90

TYPICAL REMOTE CONTROL VALVE SIZE	
VALVE SIZE	GPM
1"	0-25
1-1/2"	26-50
2"	50-100

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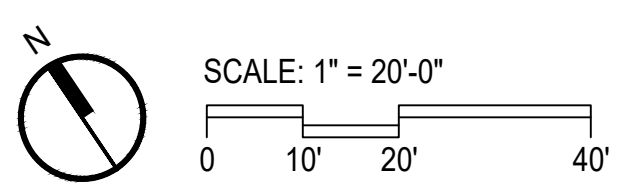
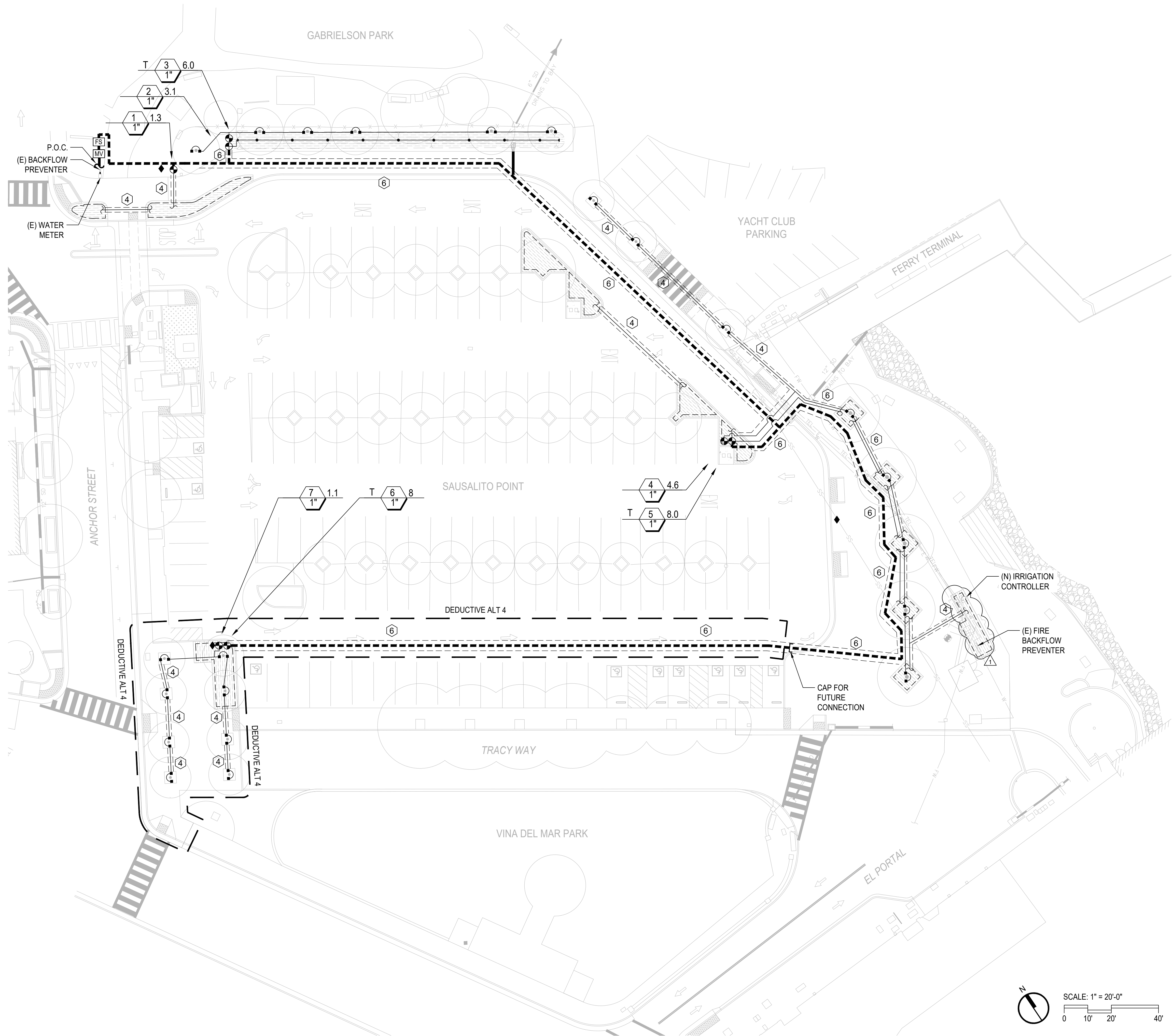


FERRY LANDSIDE IMPROVEMENT PROJECT
 APN 065-073-03
 SAUSALITO, CALIFORNIA

IRRIGATION NOTES & LEGEND

Date: 07/09/2024	Revisions
Scale: AS SHOWN	BID ADDENDUM NO. 2
Design: TS / OH	
Drawn: TS / OH	
Approved: BL	
Job No: 20191036	

Drawing Number:
L4.0
 20 OF 38



Plot: Jul 09, 2024 at 11:20am
 L4.1 Irrigation Plan.dwg
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FERRY LANDSIDE IMPROVEMENT PROJECT
 APN 065-073-03
 SAUSALITO, CALIFORNIA

IRRIGATION PLAN

No.	Revisions
1	BID ADDENDUM NO. 2

Date: 07/09/2024
 Scale: AS SHOWN
 Design: TS / OH
 Drawn: TS / OH
 Approved: BL
 Job No: 20191036

PLANTING NOTES

- REFER TO SPECIFICATIONS FOR SOIL PREPARATION, PLANTING, AND MAINTENANCE PERIOD REQUIREMENTS.
- CONTRACTOR TO REFER TO PLANT LIST FOR PLANT SIZE AND SPACING. USE TRIANGULAR SPACING UNLESS OTHERWISE NOTED.
- PLANT QUANTITIES ARE PROVIDED FOR CONTRACTOR'S CONVENIENCE ONLY. CONTRACTOR TO VERIFY ALL PLANT QUANTITIES SHOWN IN PLANTING PLANS.
- CONTRACTOR TO SUBMIT PLANT SAMPLES FOR APPROVAL BY LANDSCAPE ARCHITECT, SEE SPECS.
- LANDSCAPE ARCHITECT TO INSPECT PLANTING LAYOUT PRIOR TO INSTALLATION. CONTRACTOR TO PROVIDE 10' X 10' MOCKUP OF ALL PLANT MIXES FOR APPROVAL BY LANDSCAPE ARCHITECT.
- CONTRACTOR TO VERIFY LOCATION AND DEPTH OF ALL UTILITIES, STRUCTURES, AND IRRIGATION LINES BEFORE DIGGING.
- GROUNDCOVERS ARE TO EXTEND UNDER TREE AND SHRUB PLANTINGS FOR FULL COVERAGE. SPACE GROUNDCOVER 18" AWAY FROM TREES AND 12" AWAY FROM SHRUBS.
- SEE GRADING PLAN FOR FINISH GRADES. ALL FINISH GRADES REFER TO FINISH GRADE OF MULCHED LANDSCAPE.
- ALL PLANTING AREAS, PLANTERS, AND POTS TO RECEIVE 3" OF MULCH, SEE SPECS.

TREE SCHEDULE - BASE BID

TREES									
SYM	QTY	ABBR	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	HEIGHT	SPREAD	WATER USE
	6	ACE RUB	ACER RUBRUM 'OCTOBER GLORY'	'OCTOBER GLORY' RED MAPLE	24" BOX	PER PLAN	40'-0"	35'	M
	5	QUE AGR	QUERCUS AGRIFOLIA	COAST LIVE OAK	24" BOX	PER PLAN	30'-0"	35'	L
	11	QUE TOM	QUERCUS TOMENTELLA	ISLAND OAK	24" BOX	PER PLAN	30'-0"	20'	L

PLANT SCHEDULE - BASE BID

SHRUBS									
SYM	QTY	ABBR	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	HEIGHT	SPREAD	WATER USE
	29	ARC PAC	ARCTOSTAPHYLOS 'PACIFIC MIST'	'PACIFIC MIST' MANZANITA	5 GAL	4'-0" O.C.	2'-0"	6'-0"	L
	121	CIS PRO	CISTUS SALVIIFOLIUS PROSTRATUS	SAGELEAF ROCKROSE	1 GAL	2'-6" O.C.	2'-0"	5'-0"	L
	71	LIM CAL	LIMONIUM CALIFORNICUM	SEA LAVENDER	1 GAL	2'-0" O.C.	2'-0"	2'-0"	L
PERENNIALS									
	198	ESC CAL	ESCHSCHOLZIA CALIFORNICA	CALIFORNIA POPPY	1 GAL	1'-0" O.C.	2'-0"	2'-0"	L

BIORETENTION PLANTING AREA - BASE BID

SYM	QTY	ABBR	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	HEIGHT	SPREAD	WATER USE
	91	ACH MIL	ACHILLEA MILLEFOLIUM	YARROW	1 GAL	1'-0" O.C.	2'-0"	2'-0"	L
	110	IRI DOU	IRIS DOUGLASIANA	DOUGLAS IRIS	1 GAL	1'-6" O.C.	2'-0"	1'-6"	L
	58	JUN PAT	JUNCUS PATENS	CALIFORNIA GREY RUSH	1 GAL	2'-6" O.C.	2'-0"	3'-0"	L
	13	RIB SAN	RIBES SANGUINEUM VAR. GLUTINOSUM	PINK-FLOWERED CURRANT	1 GAL	3'-0" O.C.	3'-0"	6'-0"	L

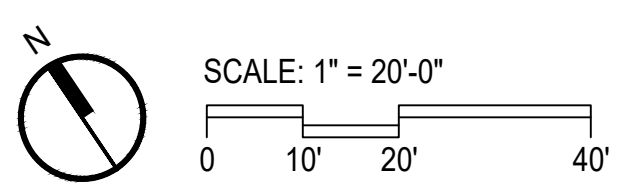
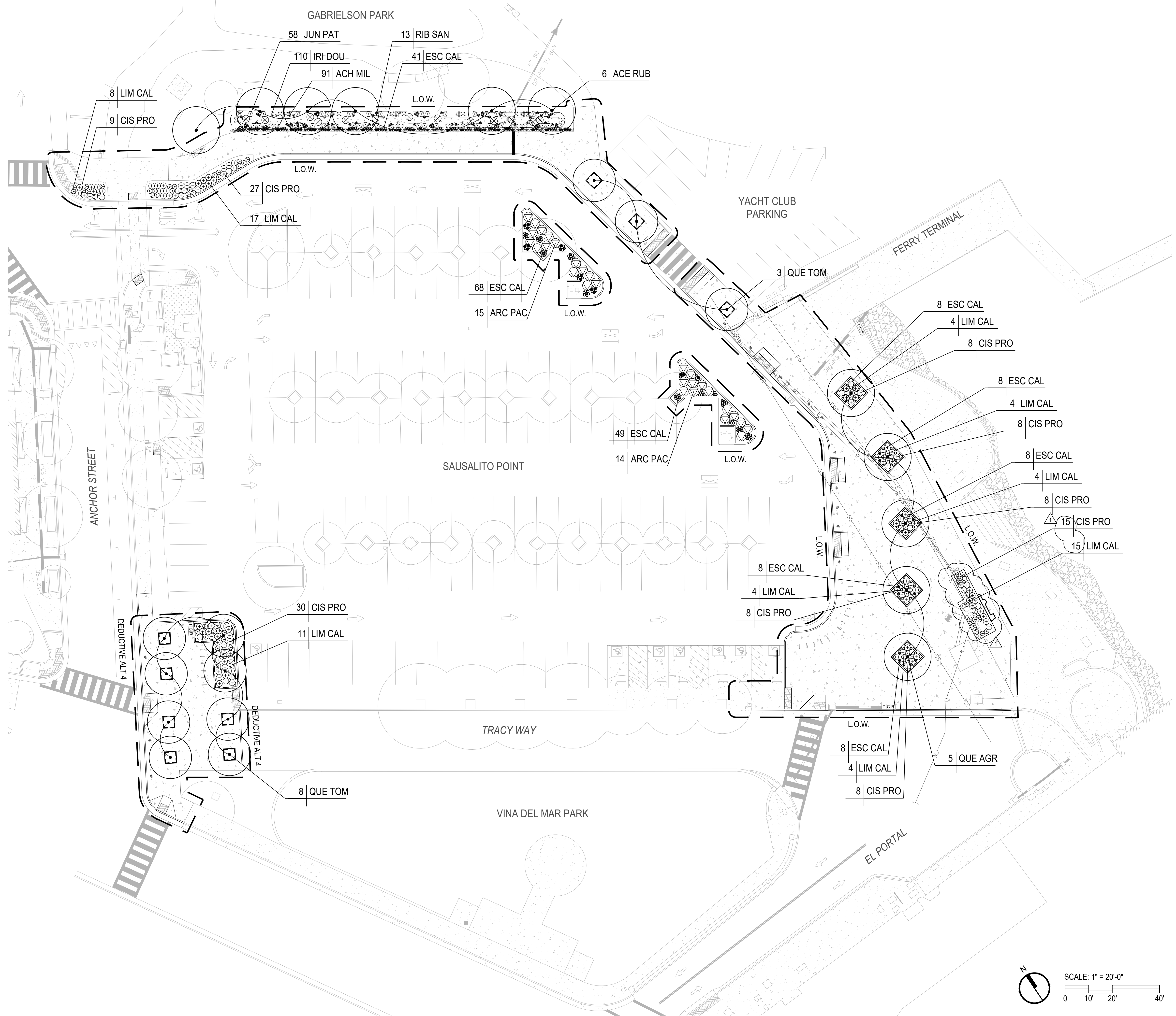
TREE SCHEDULE - DEDUCTIVE ALTERNATIVE 4

TREES									
SYM	QTY	ABBR	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	HEIGHT	SPREAD	WATER USE
	8	QUE TOM	QUERCUS TOMENTELLA	ISLAND OAK	24" BOX	PER PLAN	30'-0"	20'	L

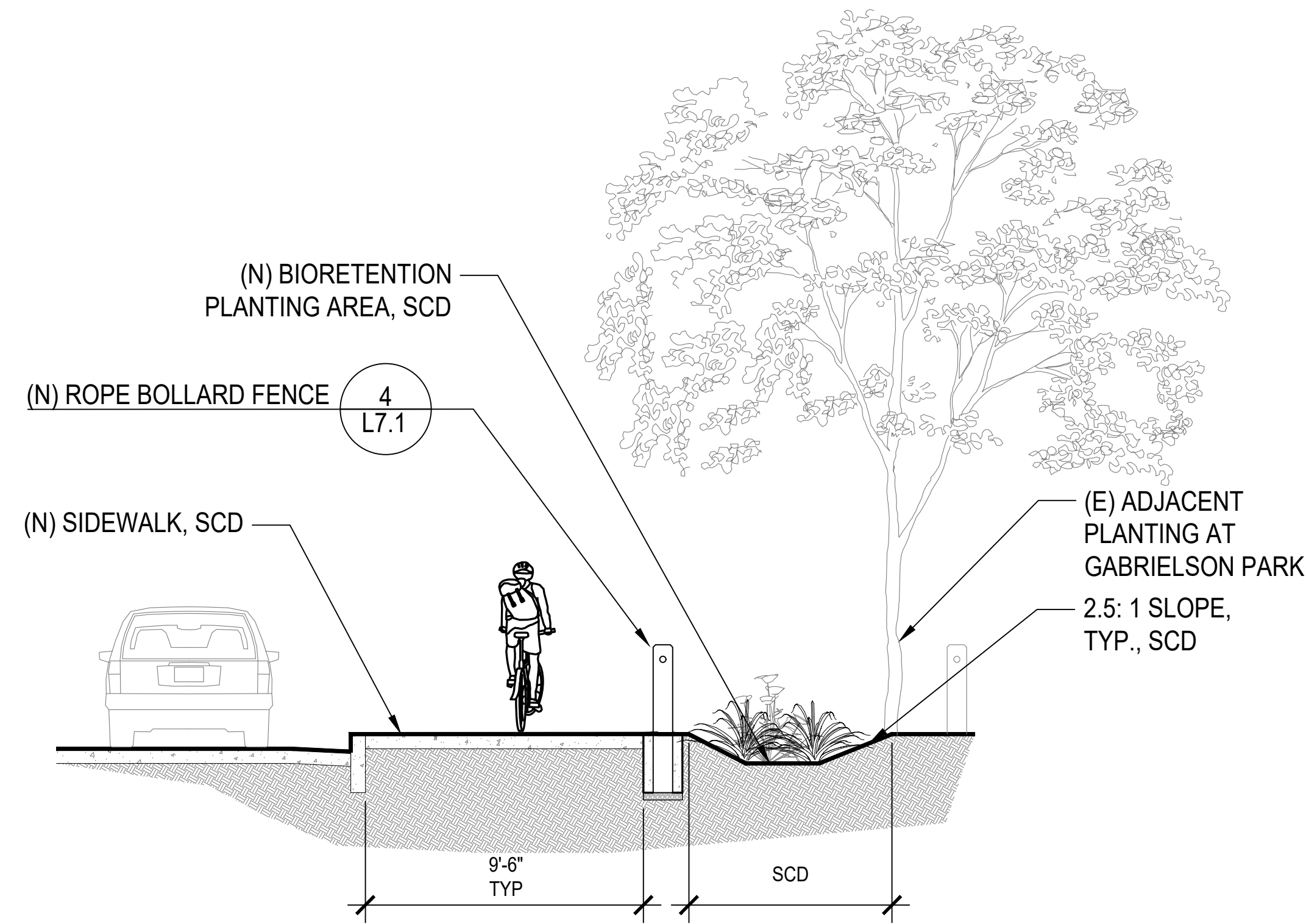
PLANT SCHEDULE - DEDUCTIVE ALTERNATIVE 4

SHRUBS									
SYM	QTY	ABBR	SCIENTIFIC NAME	COMMON NAME	SIZE	SPACING	HEIGHT	SPREAD	WATER USE
	30	CIS PRO	CISTUS SALVIIFOLIUS PROSTRATUS	SAGELEAF ROCKROSE	1 GAL	2'-6" O.C.	2'-0"	5'-0"	L
	11	LIM CAL	LIMONIUM CALIFORNICUM	SEA LAVENDER	1 GAL	2'-0" O.C.	2'-0"	2'-0"	L

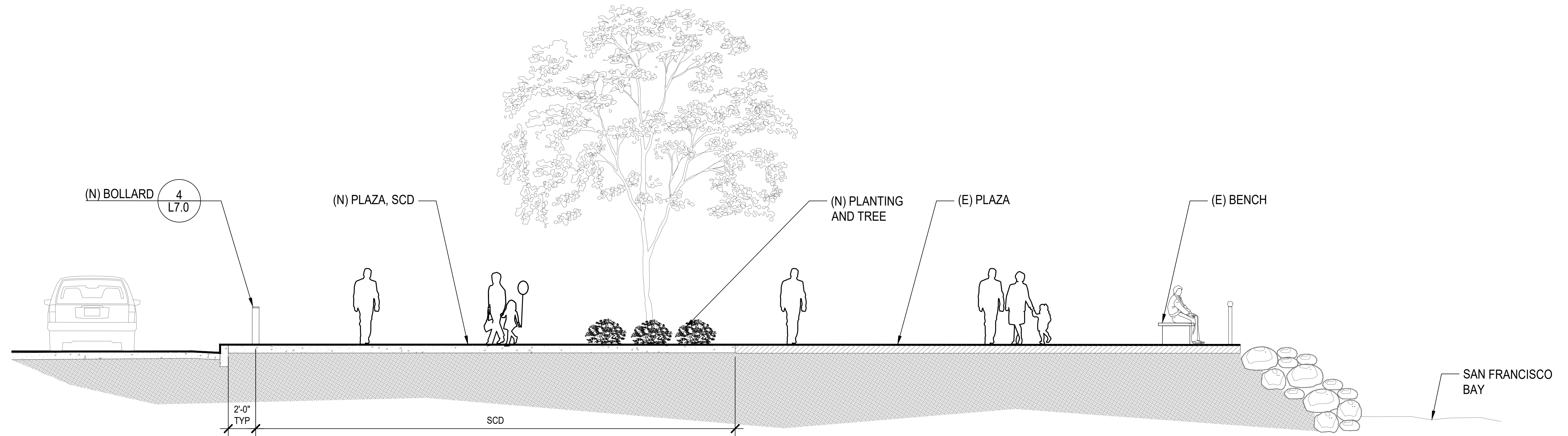
Date: 07/09/2024	No. 1	Revisions
Scale: AS SHOWN	BID ADDENDUM NO. 2	
Design: TS / OH		
Drawn: TS / OH		
Approved: BL		
Job No: 20191036		



Date: 07/09/2024	Revisions
Scale: AS SHOWN	BID ADDENDUM NO. 2
Design: TS / OH	
Drawn: TS / OH	
Approved: BL	
Job No. 20191036	

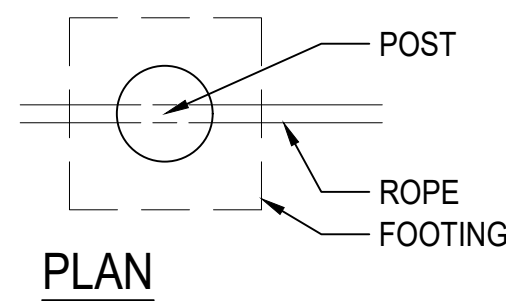


1 SECTION AT BIORETENTION PLANTING AREA
SCALE: 1/4" = 1'-0"

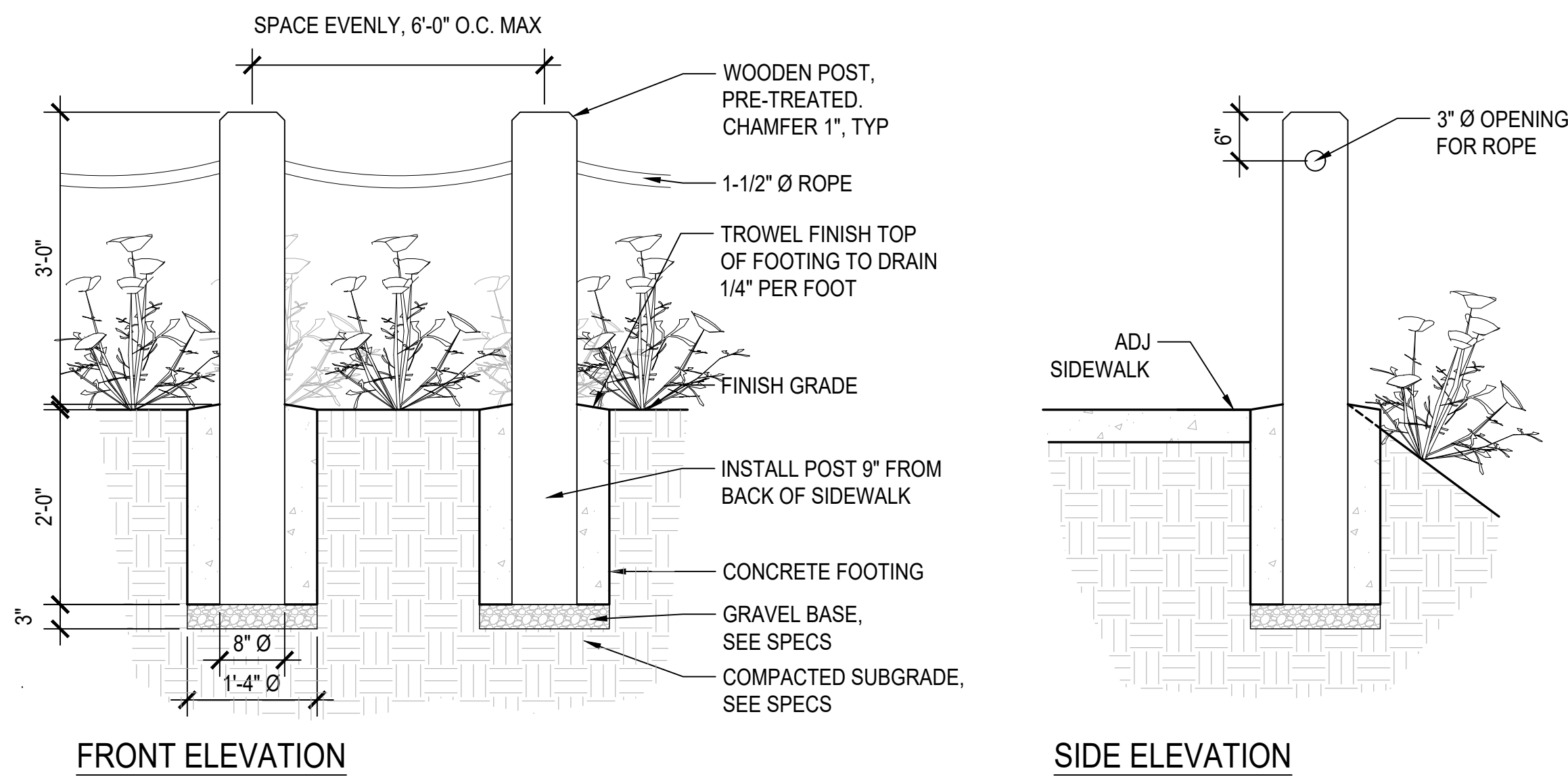


2 SECTION THROUGH NEW PLAZA
SCALE: 1/4" = 1'-0"

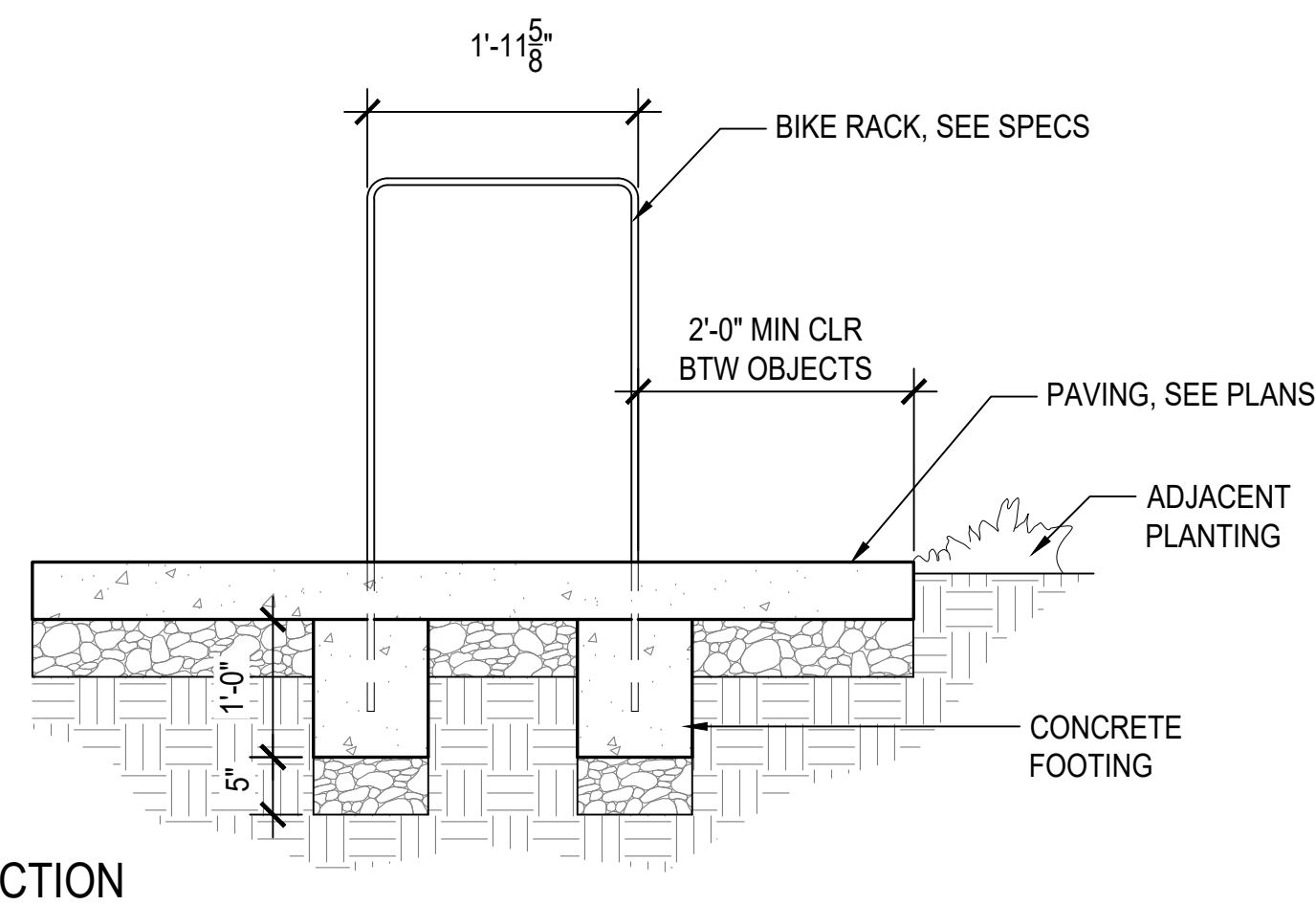
Date: 07/09/2024	Revisions
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Approved: BL	
Job No: 20191036	



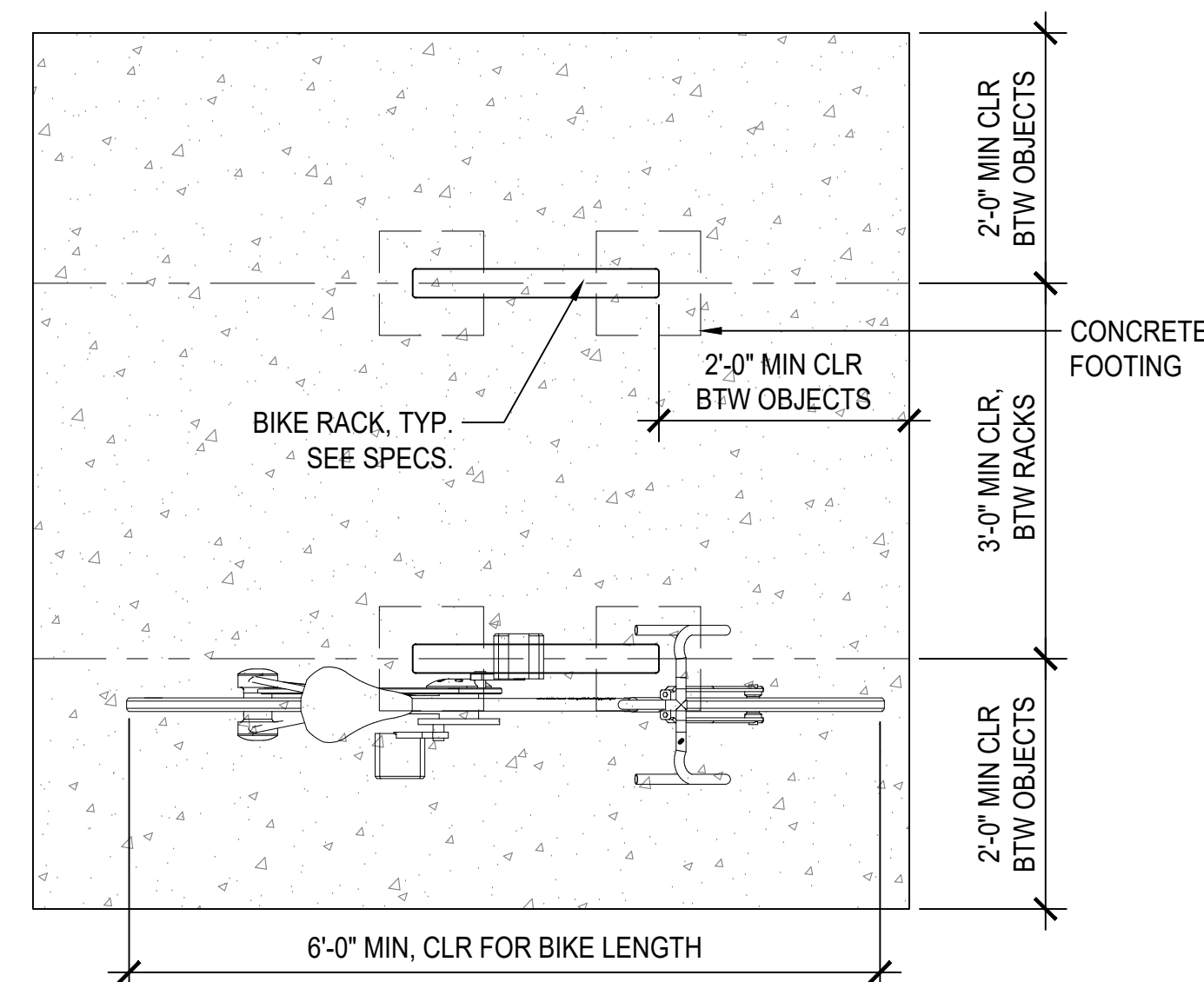
- NOTES:
1. MATCH EXISTING ROPE BOLLARD FENCE AT YACHT CLUB PARKING LOT BOUNDARY. SUBMIT SAMPLE FOR APPROVAL.



- NOTES:
1. MFR: VESTRE
 2. MODEL: 696C VROOM BICYCLE RACK LARGE
 3. MATERIAL & FINISH: POWDER-COATED ALUMINUM
 4. COLOR: 7026 GRANITE GREY
 5. MOUNTING: CASTING IN GROUND
 6. CONTRACTOR TO INSTALL PER MFR'S INSTRUCTIONS.



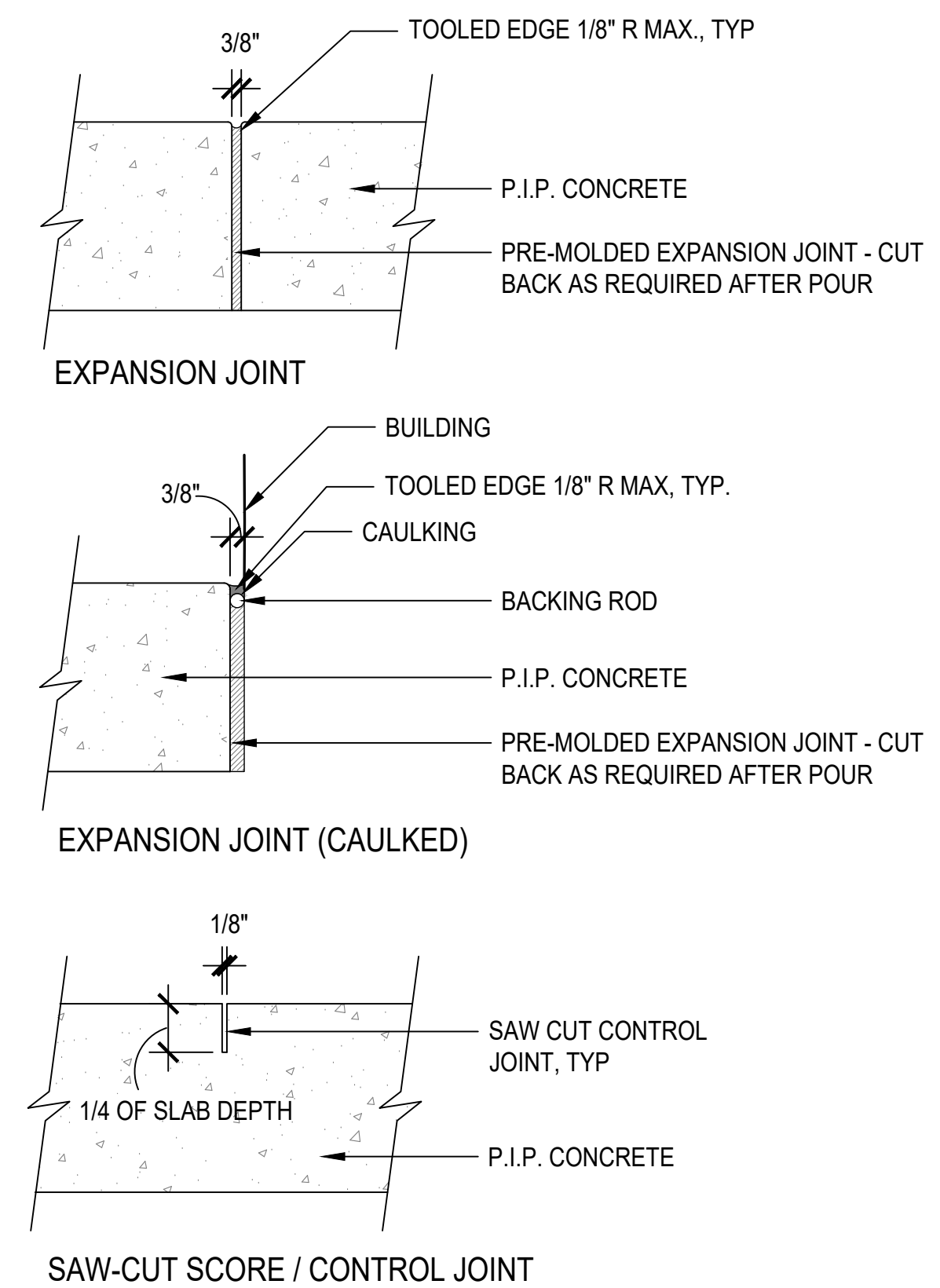
SECTION



PLAN

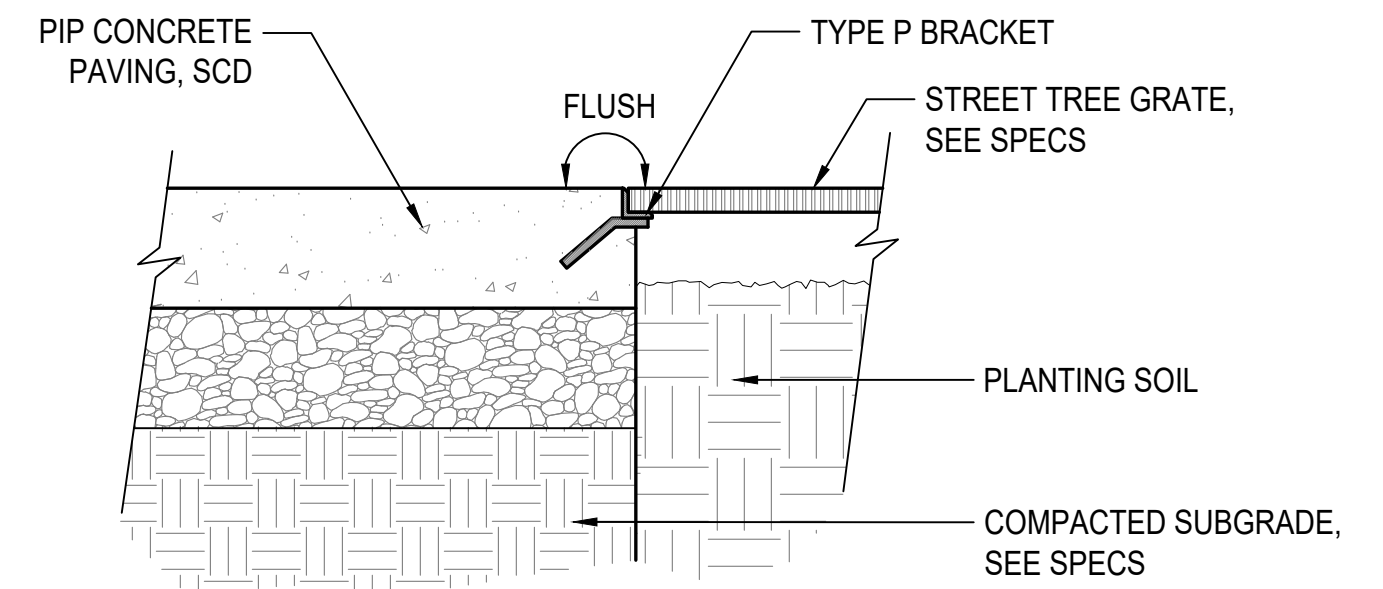
3 BIKE RACK
SCALE: 3/4" = 1'-0"

- NOTES:
1. PROVIDE EJS AT ALL WALLS, COLUMNS AND SIMILAR VERTICAL STRUCTURES.
 2. EXPANSION JOINTS AS SHOWN ON PLAN.
 3. DOWEL IS TYPICAL AT ALL EJS EXCEPT AGAINST CURBS, WALLS, COLUMNS OR SIMILAR VERTICAL STRUCTURES, UNLESS OTHERWISE NOTED ON THE DRAWING.



1 EXPANSION AND CONTROL JOINTS
SCALE: 3" = 1'-0"

- NOTES:
1. MFR: IRONSMITH
 2. MODEL: ADA-M6058, W/ TWO (2) HOLES FOR TREE STAKES
 3. MATERIAL: 100% RECYCLED GRAY IRON
 4. SIZE: 60" x 60"
 5. COLOR: RAL 7026 GRANITE GREY
 6. CONTRACTOR TO SUBMIT SHOP DRAWINGS & INSTALL & ANCHOR PER MFR'S INSTRUCTIONS.



2 TREE GRATE AT CONCRETE
SCALE: 1-1/2" = 1'-0"

- NOTES:
1. CONTRACTOR TO RELOCATE EXISTING DRINKING FOUNTAIN.

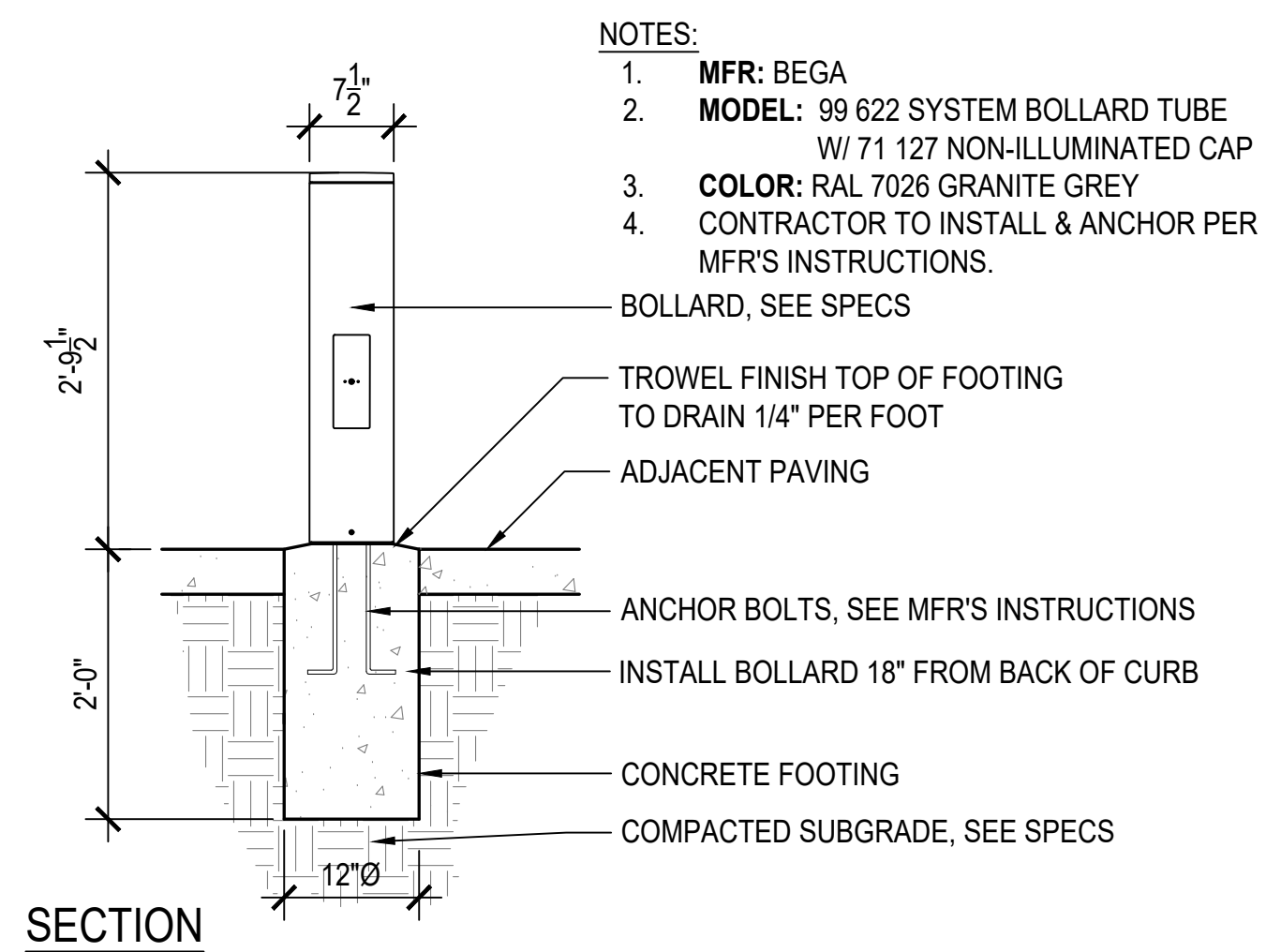


6 RELOCATED DRINKING FOUNTAIN
SCALE: NTS



- NOTES:
1. MFR: SECUR
 2. MODEL: CG35
 3. COLORS: RECYCLING - SKY BLUE WASTE - BLACK COMPOST - FIR, GREEN
 4. ADDITIONAL: ZINC-RICH PRIMER FOR CORROSION RESISTANCE
 5. CONTRACTOR TO CONFIRM CITY STANDARDS REGARDING COLORS, OPENINGS, AND GRAPHICS WITH MFR
 6. CONTRACTOR TO INSTALL & ANCHOR PER MFR'S INSTRUCTIONS.

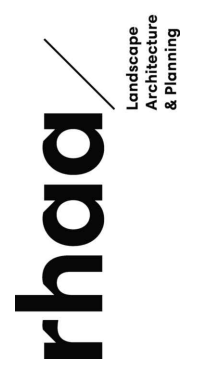
7 WASTE RECEPTACLES
SCALE: NTS



SECTION

4 BOLLARD
SCALE: 3/4" = 1'-0"

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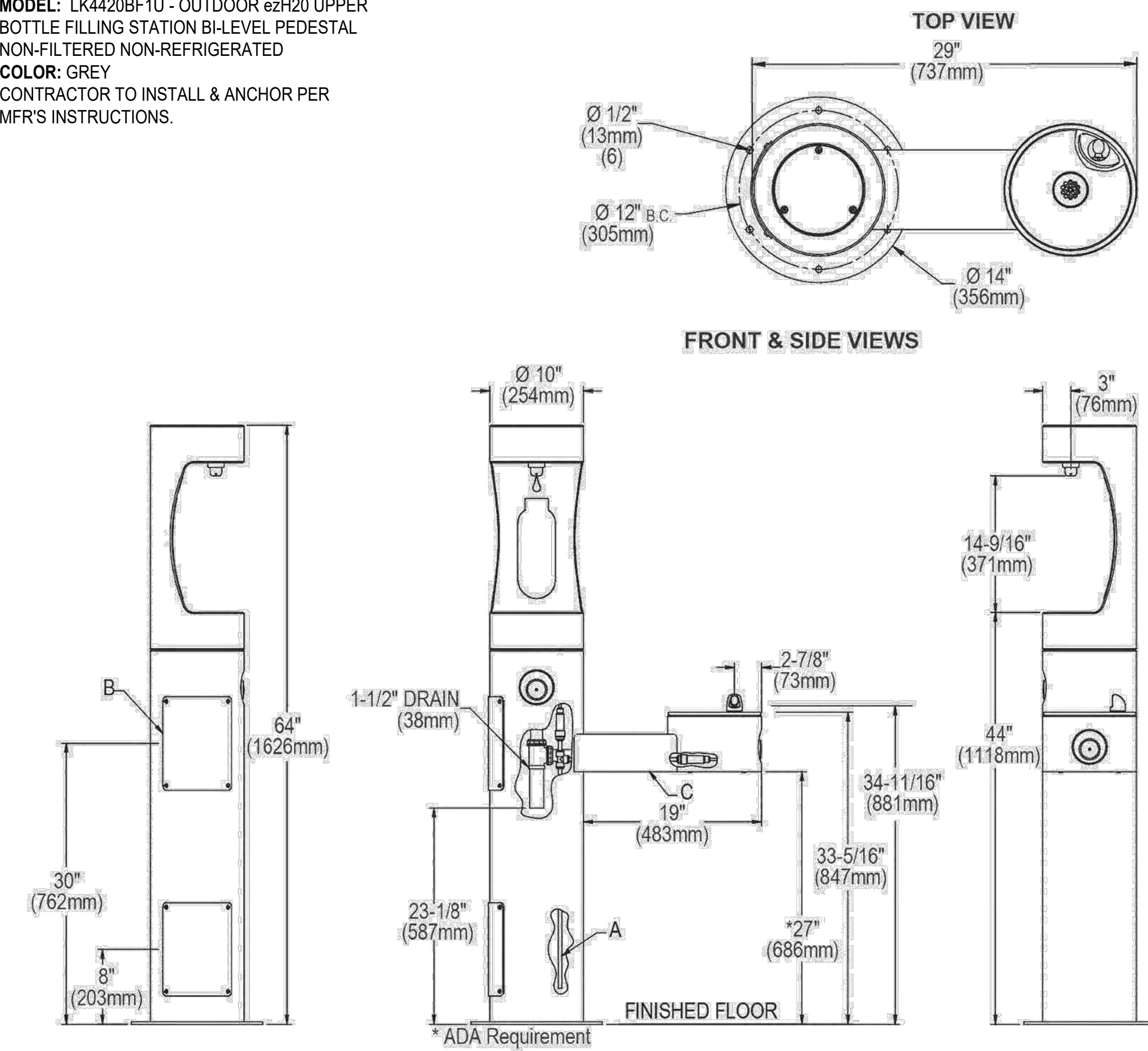
CONSTRUCTION DETAILS

No.	Revisions
1	BID ADDENDUM NO. 2
Date: 07/09/2024	Scale: AS SHOWN
Design: TS / OH	Drawn: TS / OH
Approved: BL	Job No: 20191036

NOTES:

1. MFR: ELKAY
2. MODEL: LK4420BF1U - OUTDOOR ezH2O UPPER BOTTLE FILLING STATION BI-LEVEL PEDESTAL NON-FILTERED NON-REFRIGERATED
3. COLOR: GREY
4. CONTRACTOR TO INSTALL & ANCHOR PER MFR'S INSTRUCTIONS.

OPERATING PRESSURES:
Supply water 20 – 105 psi maximum



A = 3/8" O.D. Unplated copper tube connect. Shut off valve by others.
 B = Access panel (8" x 10").
 C = Removable bottom cover.
 Note: New Installations Must Use Ground Fault Circuit Interrupter (GFCI).

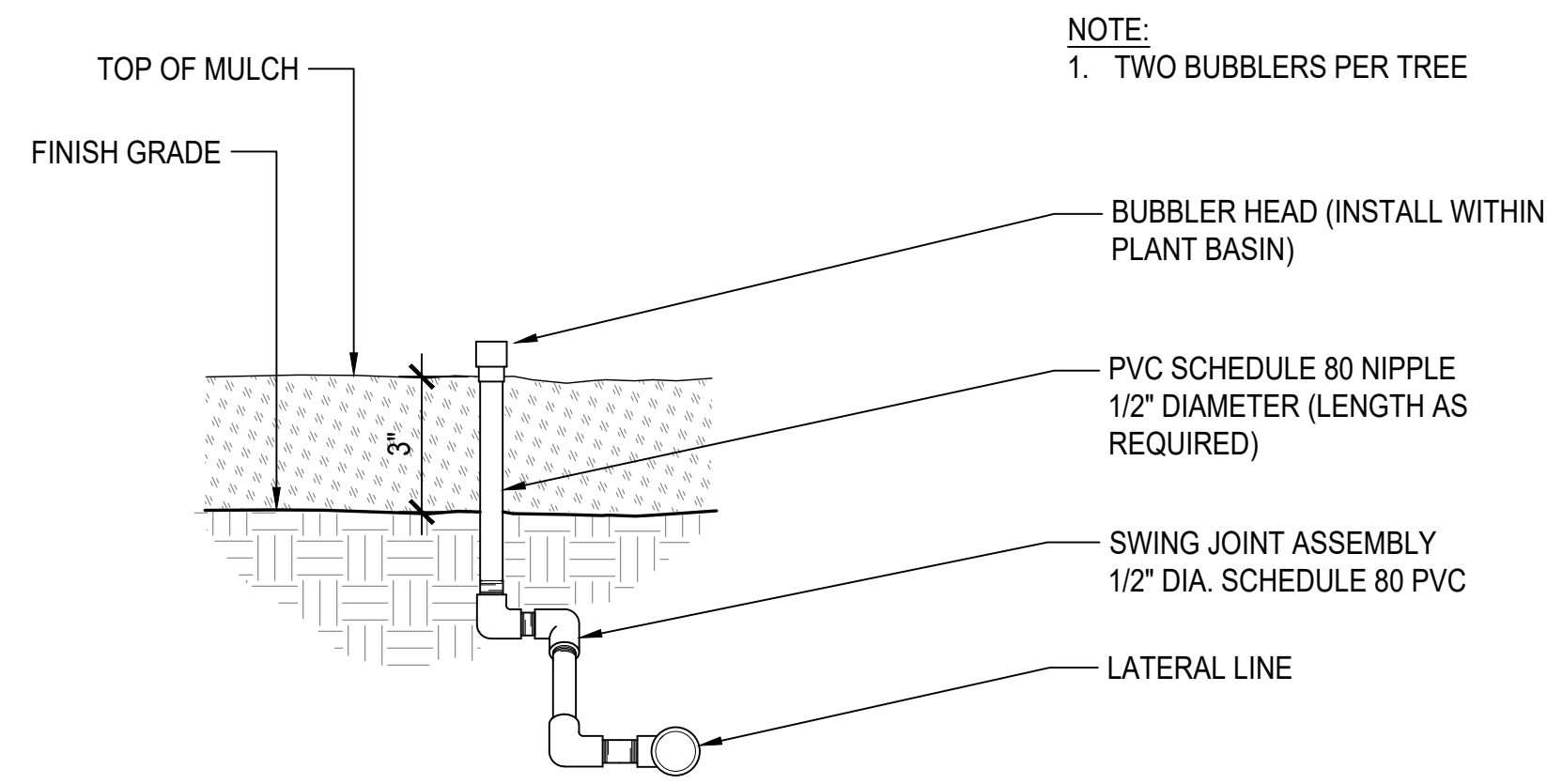
1 DRINKING FOUNTAIN
SCALE: NTS

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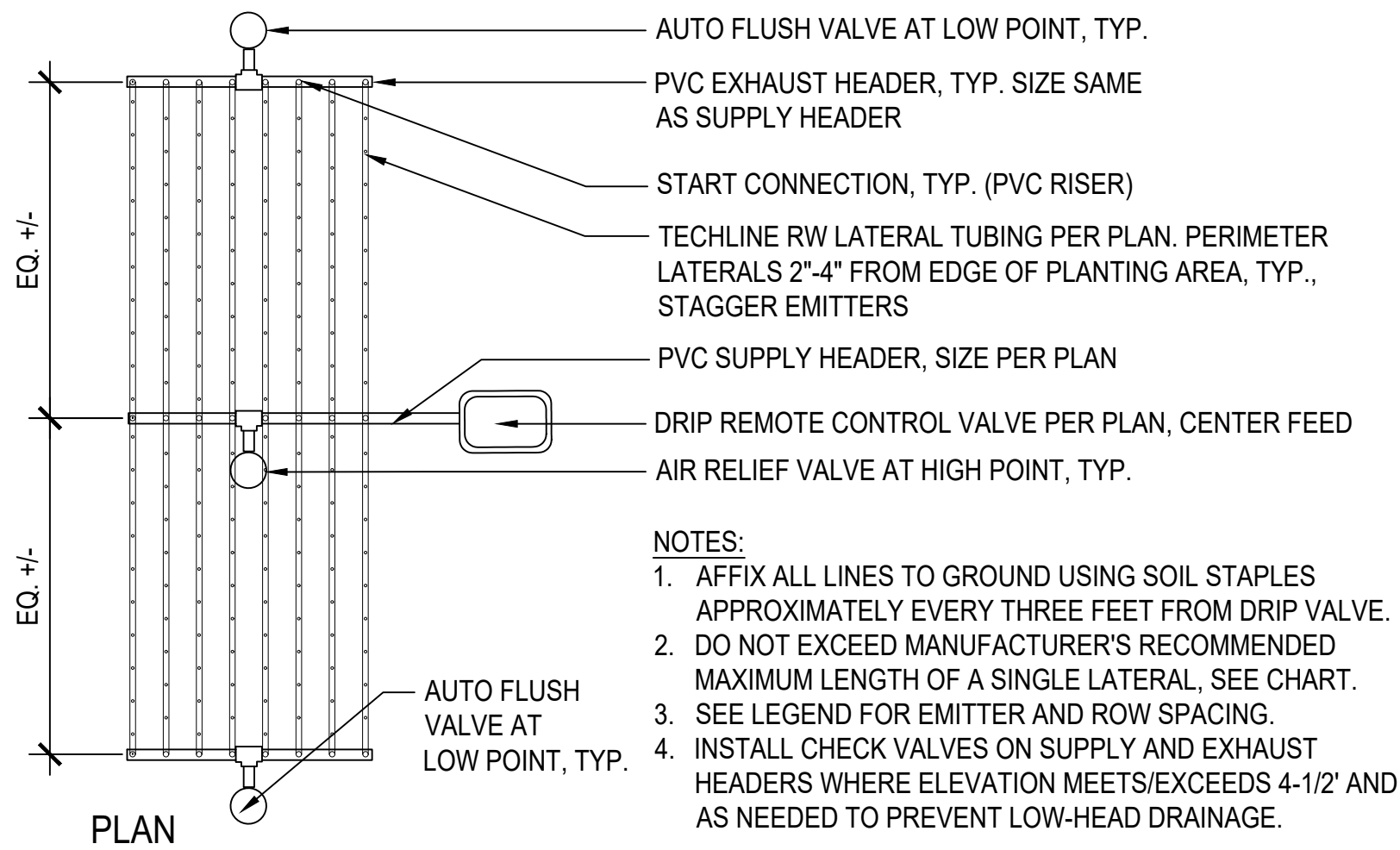
FERRY LANDSIDE IMPROVEMENT PROJECT
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SAUSALITO, CALIFORNIA
CONSTRUCTION DETAILS

Date: 07/09/2024	Revisions
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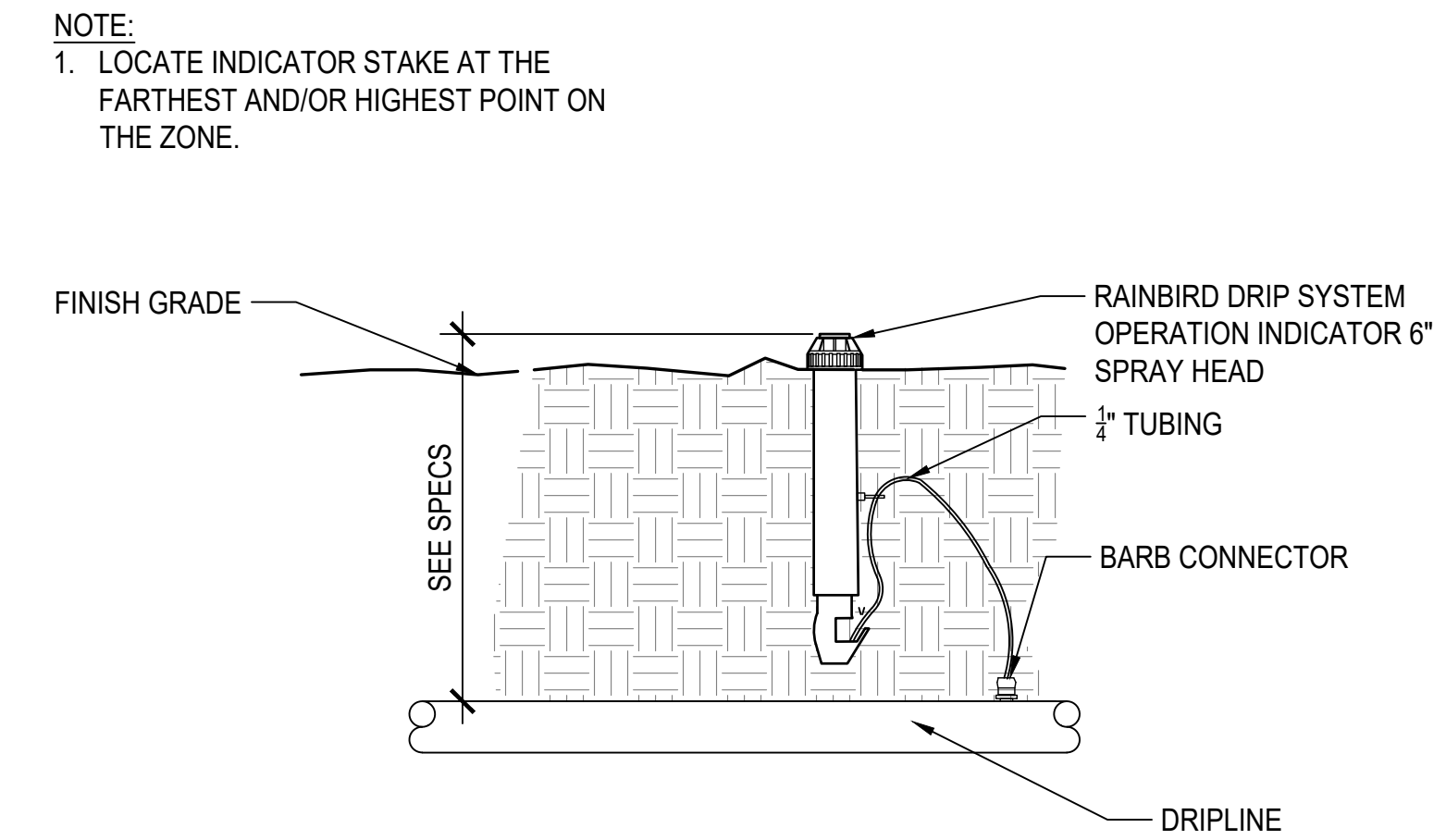
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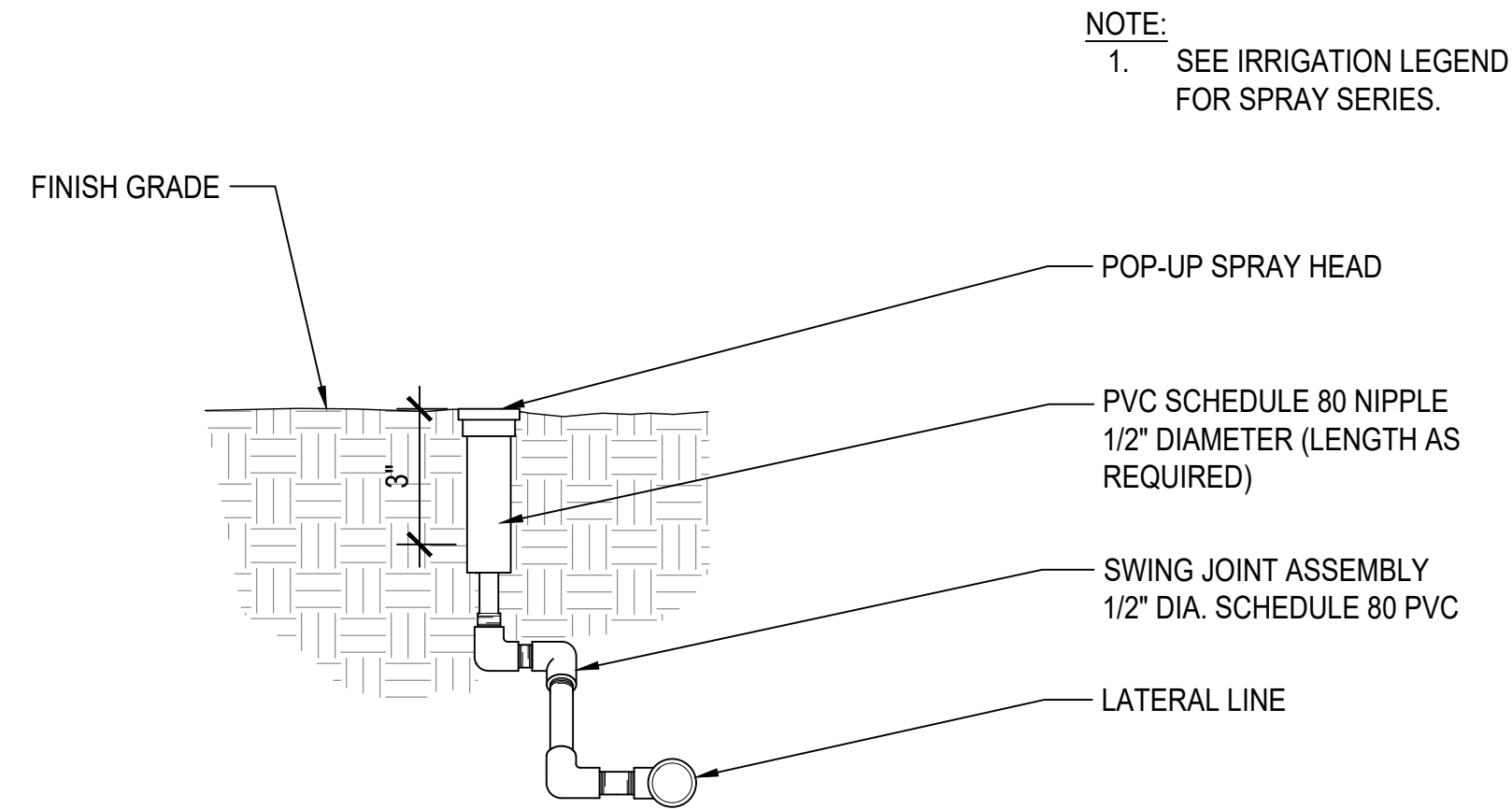
7 TREE BUBBLER
SCALE: 3" = 1'-0"



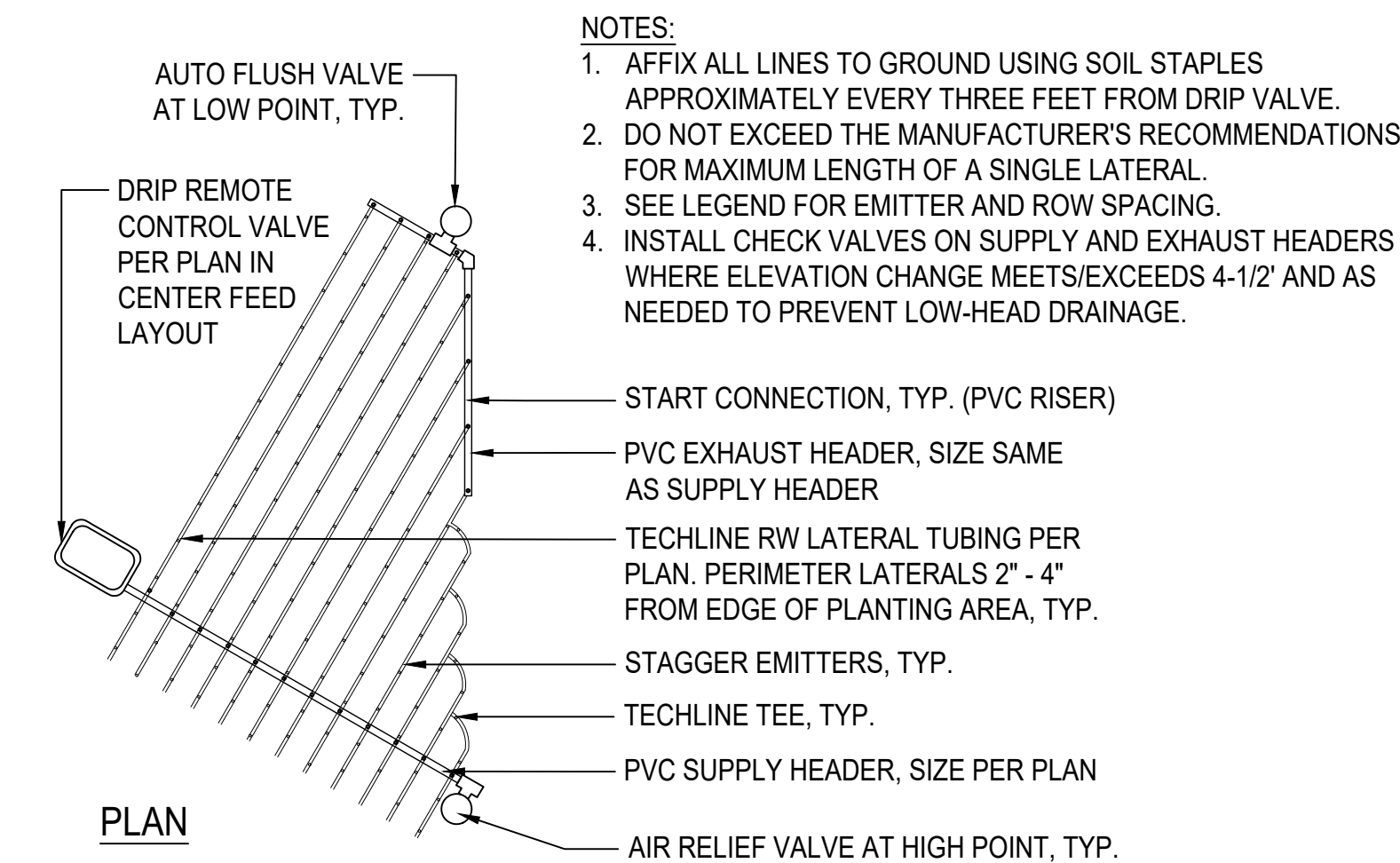
4 LINEAR DRIP TUBING LAYOUT
NTS



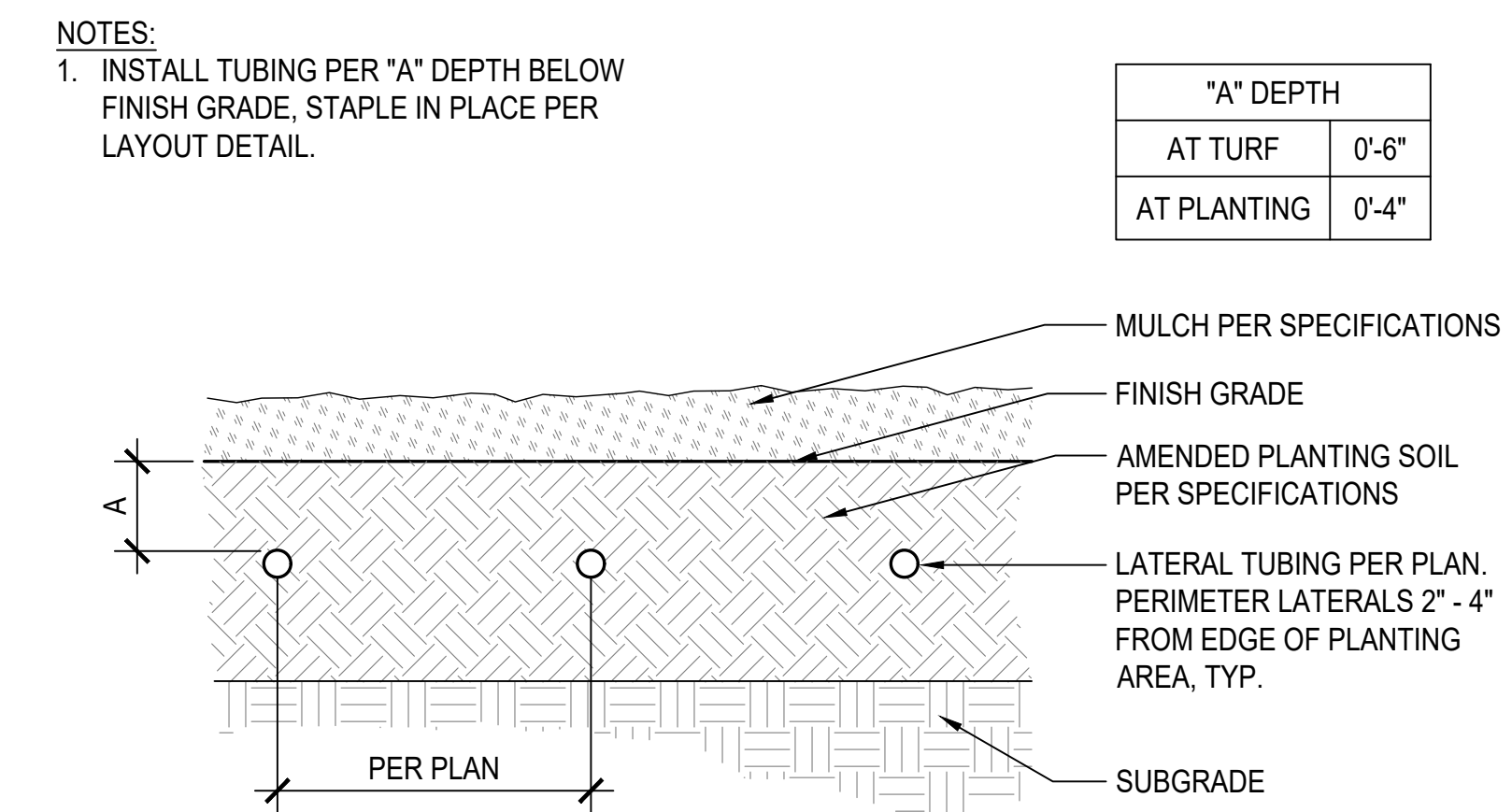
1 DRIP OPERATION INDICATOR
NTS



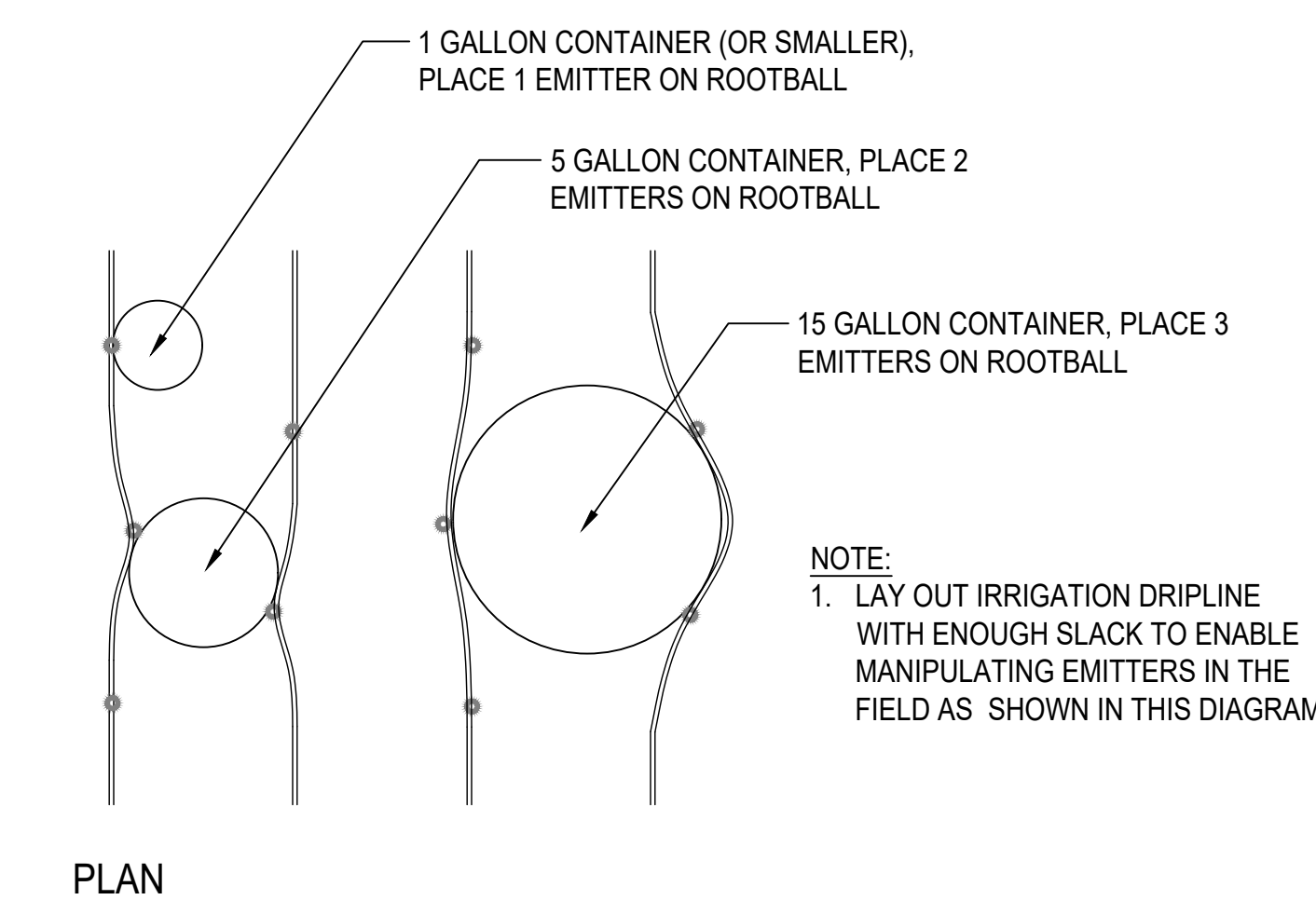
8 SPRAY POP UP
SCALE: 3" = 1'-0"



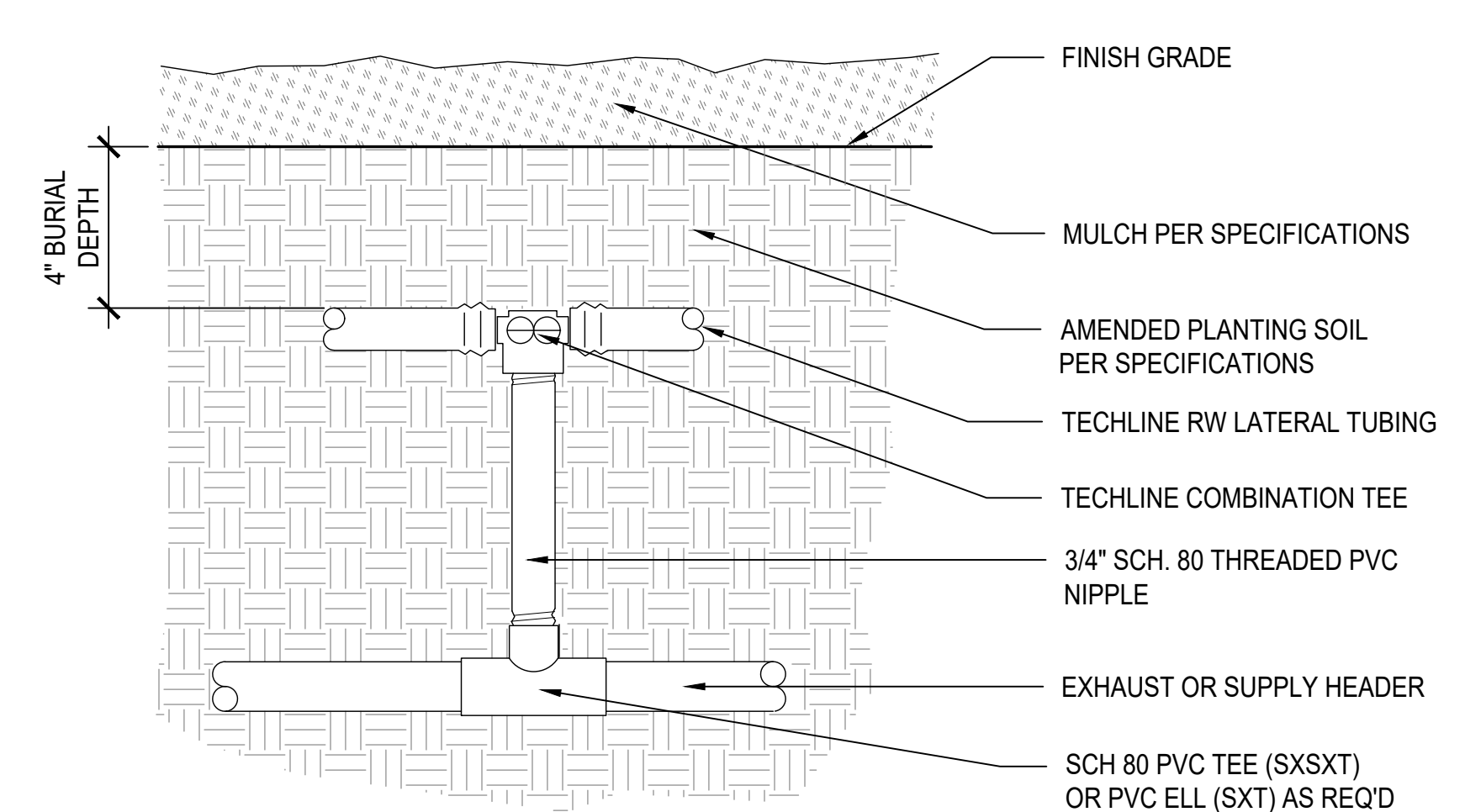
5 IRREGULAR DRIP TUBING LAYOUT
NTS



2 DRIP TUBING SUBGRADE INSTALLATION
SCALE: 1-1/2" = 1'-0"



6 DRIP TUBING EMITTER PLACEMENT
SCALE: 1" = 1'-0"

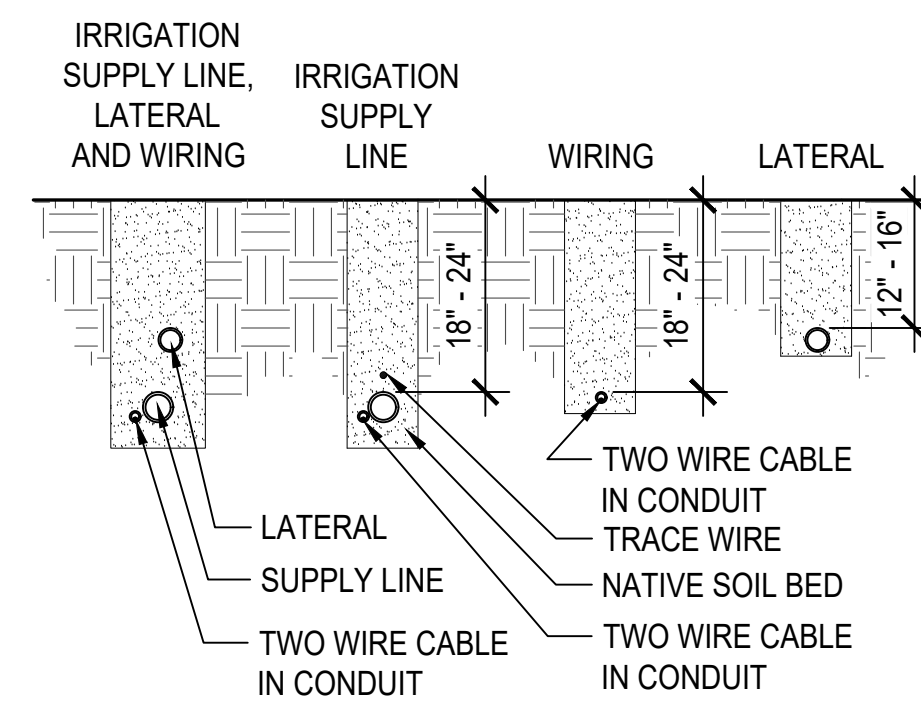


3 DRIP TUBING START CONNECTION
SCALE: 3" = 1'-0"

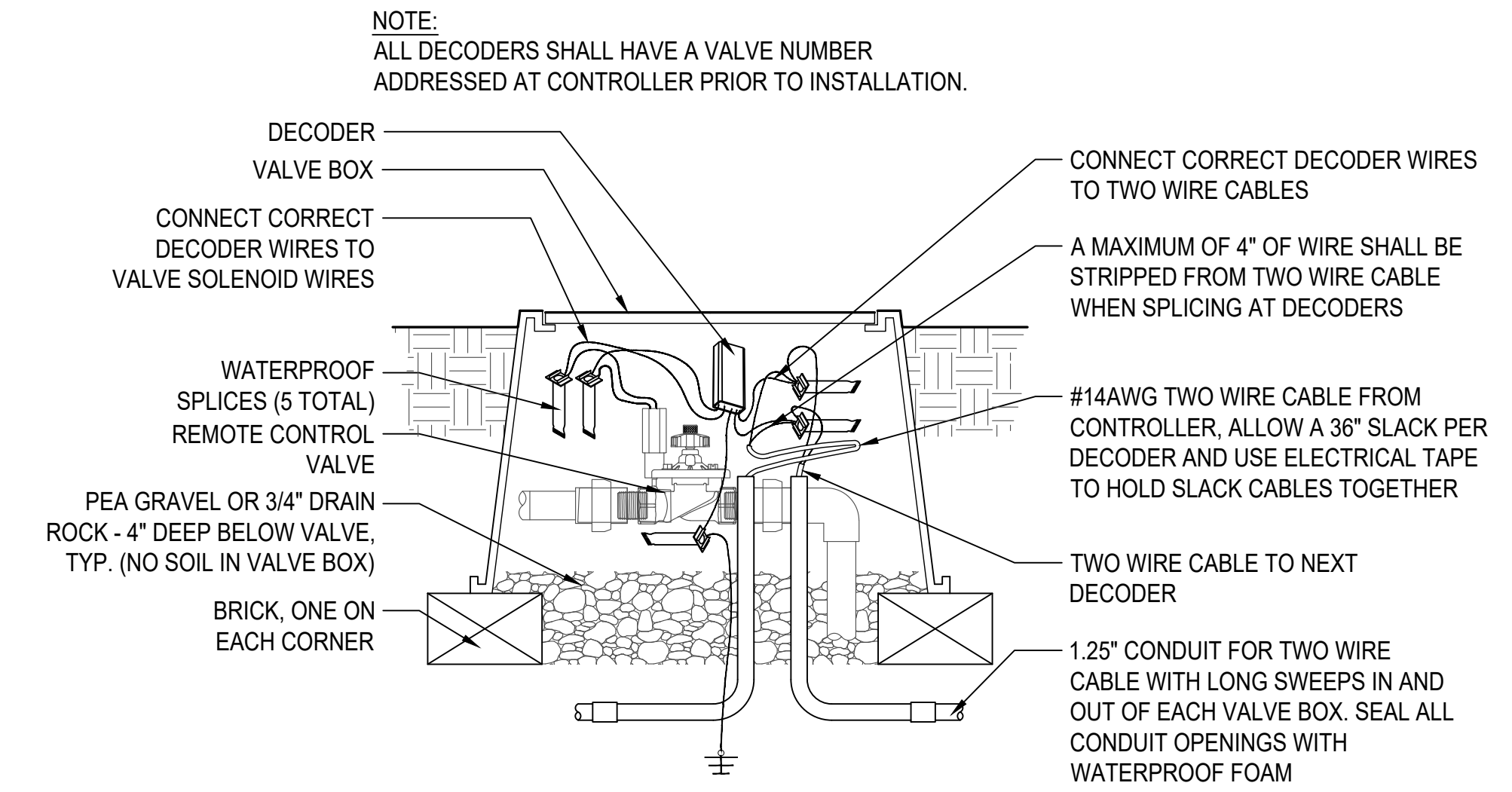
No.	Revisions
1	BID ADDENDUM NO. 2

NOTES:

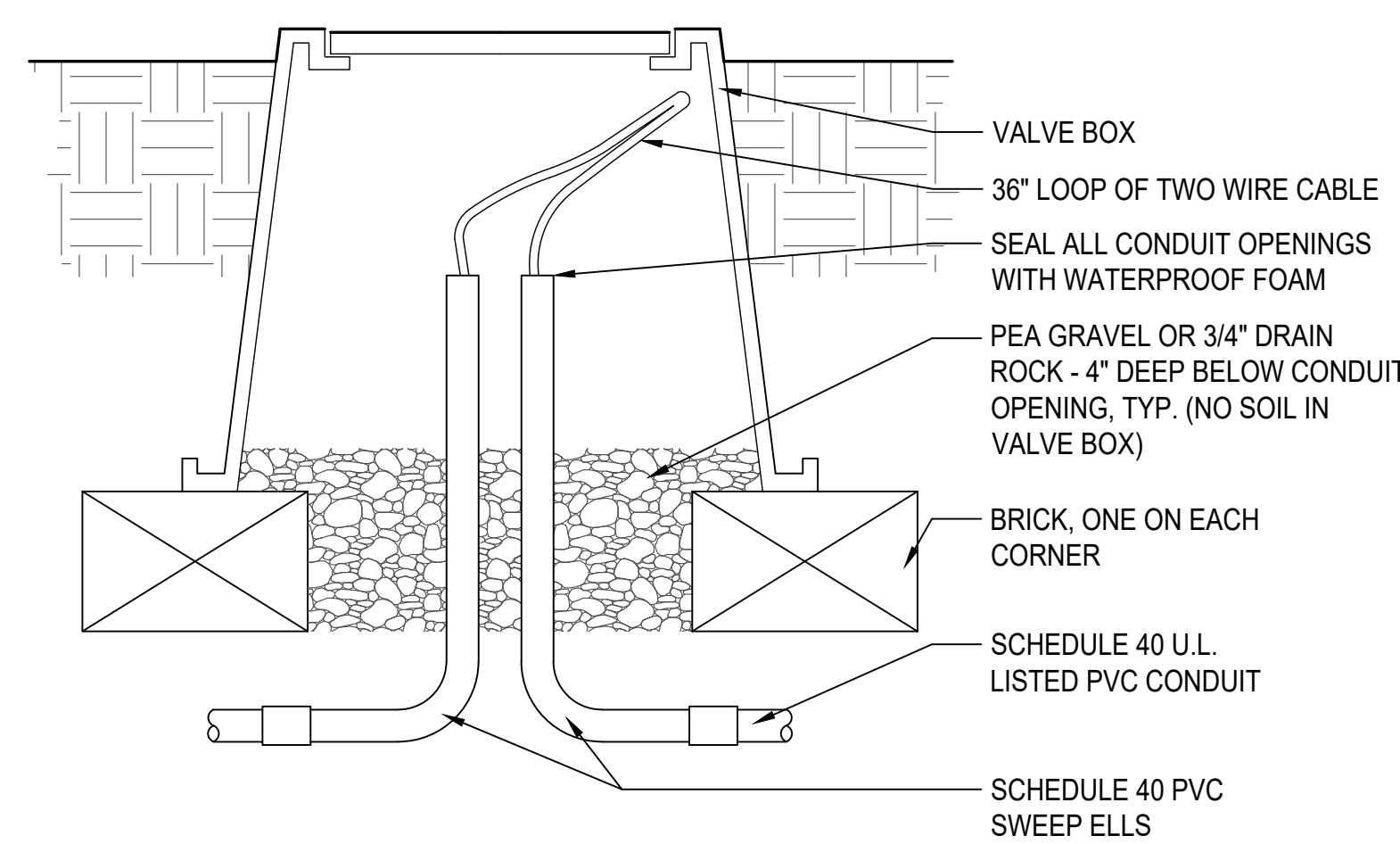
1. LAY IRRIGATION SUPPLY LINE ON NATIVE SOIL BED UNLESS SAND BED IS SPECIFIED.
2. PROVIDE 36" COVER OVER ALL PIPE AND PIPE SLEEVES UNDER ROADWAYS, PARKING LOTS, ENTRANCES TO PARKING LOTS AND FIRE ACCESS LANES PER NFPA 24, SECTION 10.44.
3. PROVIDE SEPARATE SLEEVES FOR ALL WIRES CROSSING UNDER ROADWAYS, PARKING LOTS AND FIRE ACCESS LANES PER NFPA 24, SECTION 10.44. DO NOT TAPE WIRES WITHIN CONDUIT.



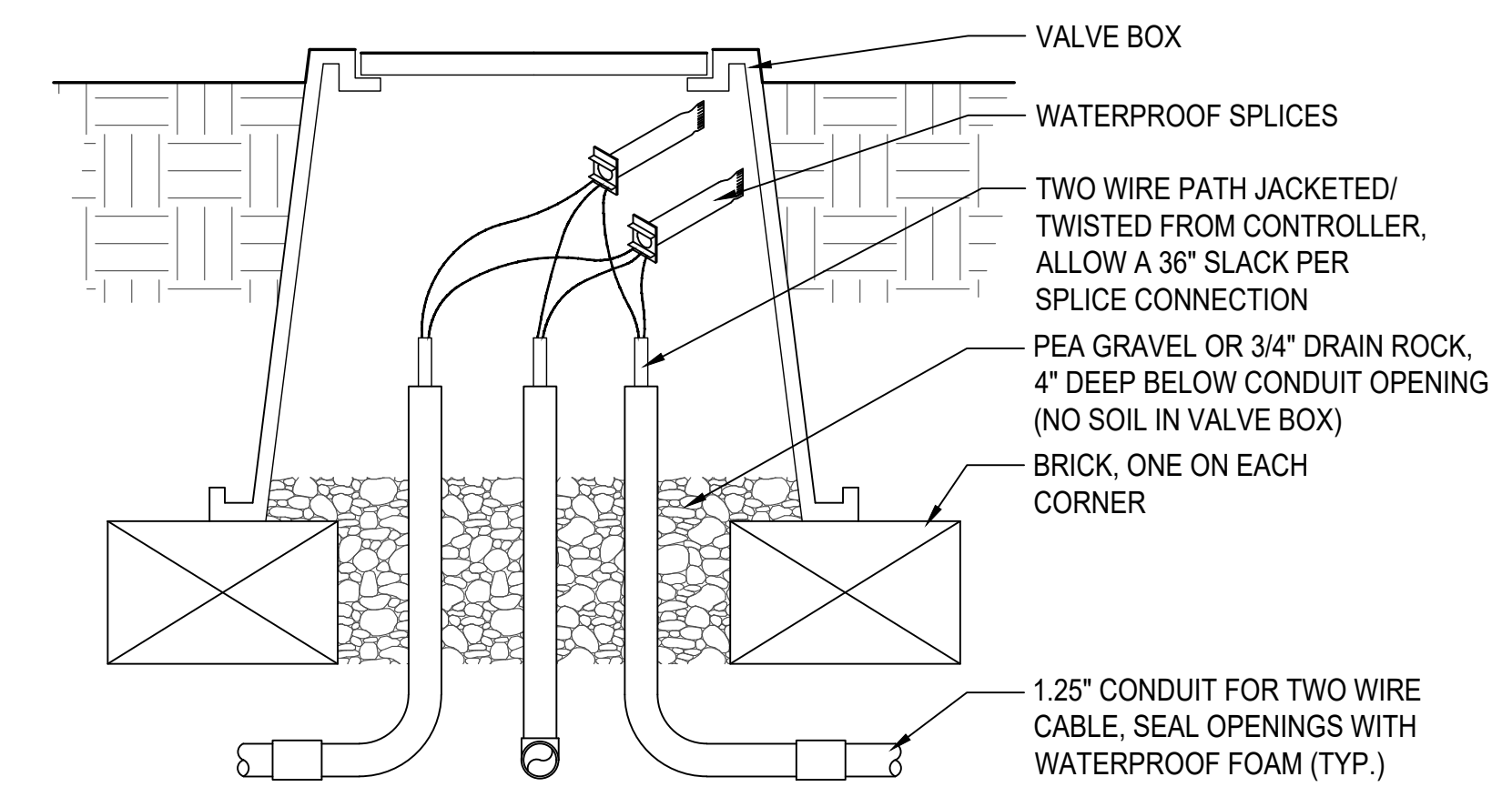
4 IRRIGATION TRENCHING - TWO WIRE
SCALE: 1/2" = 1'-0"



1 DECODER IN VALVE BOX - TWO WIRE
NOT TO SCALE



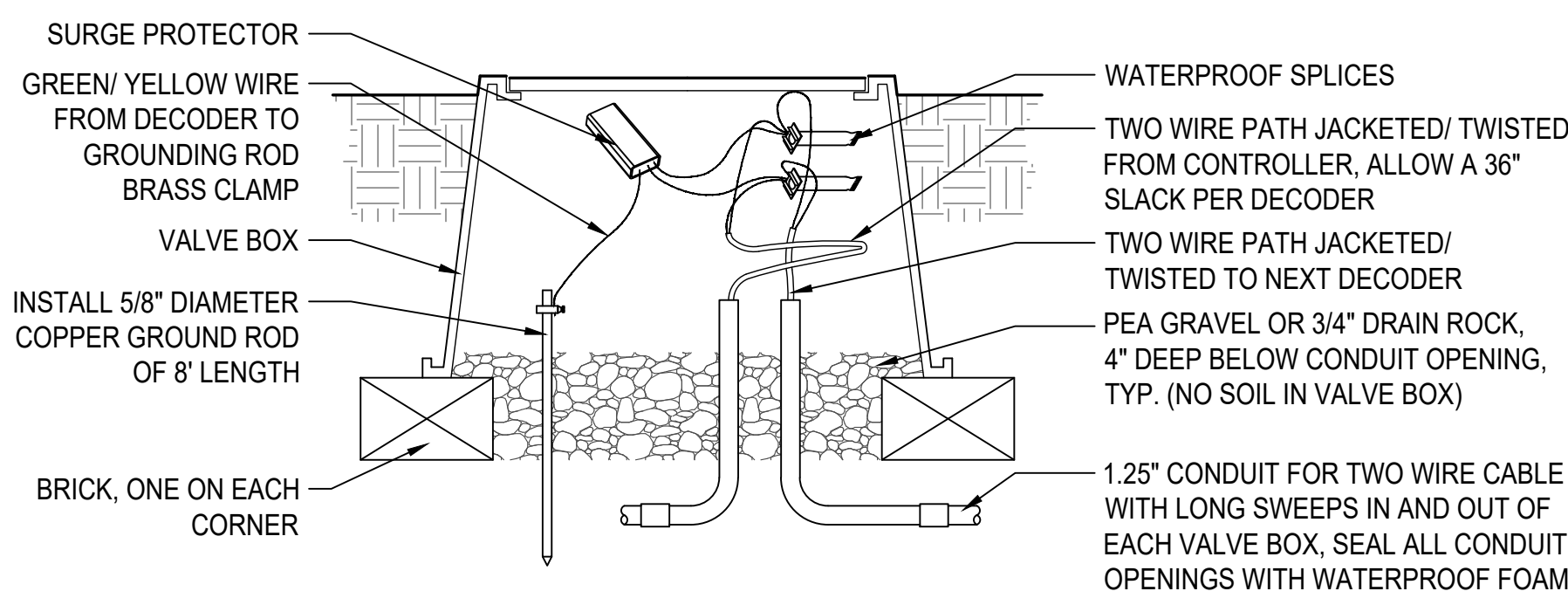
5 IRRIGATION TWO WIRE PULL BOX
NOT TO SCALE



2 TWO WIRE SPLICE BOX AT MAIN LINE TEE OR 3-WAY WIRE BRANCH
NOT TO SCALE

NOTES:

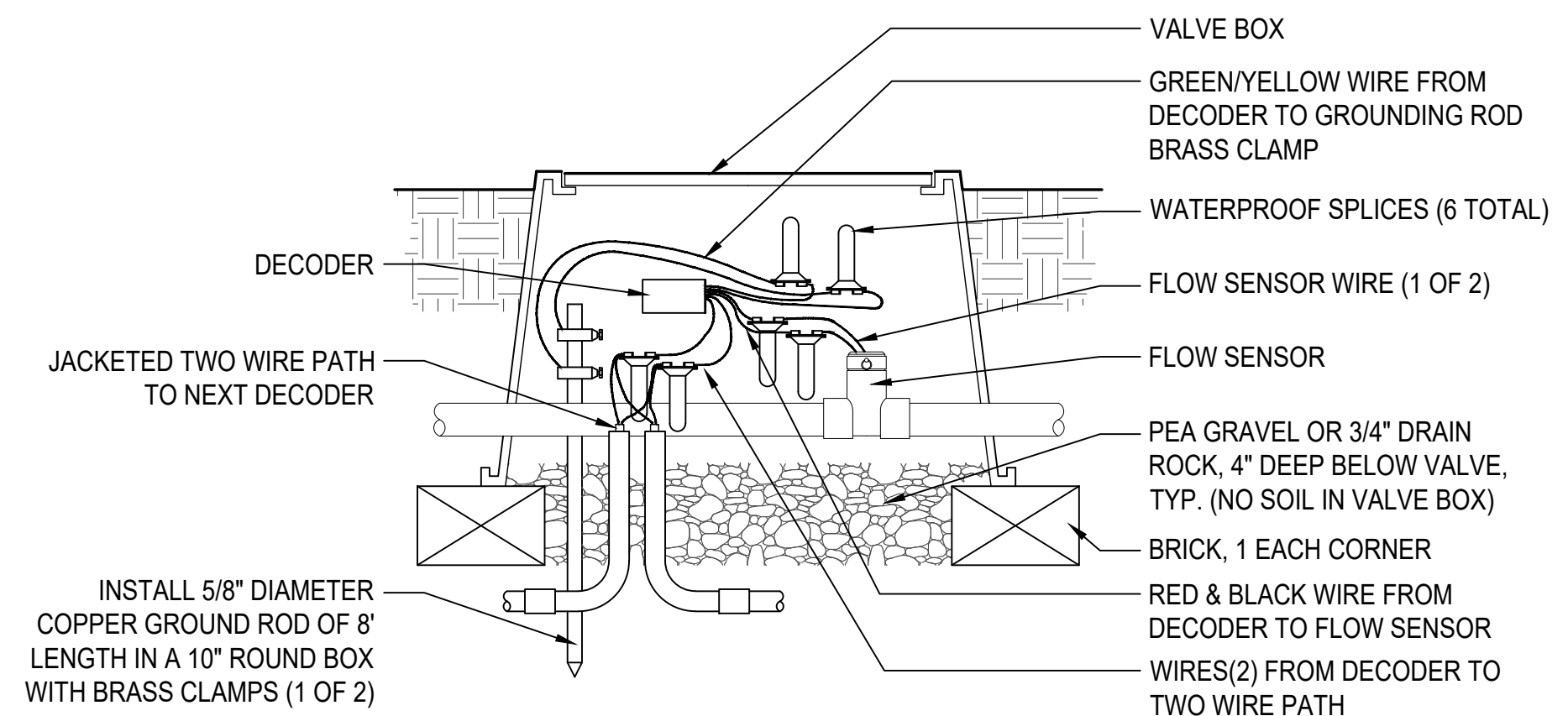
1. TWO WIRE DECODER SYSTEMS MUST BE PROPERLY GROUNDED IN ORDER TO PROTECT AGAINST LIGHTNING SURGES.
2. THE COMMUNICATION CABLE MUST BE GROUNDED NO FURTHER THAN 500' FROM ANY DECODER OR FOR EVERY EIGHT DECODERS AND AT THE END OF THE TWO WIRE PATH.
3. SPLIT BOLT CONNECTION TO BE USED TO CONNECT THE SURGE DEVICE TO THE GROUND WIRE WITH A 3M DBY-6 WATERPROOF CONNECTOR.
4. THE SURGE DEVICE MUST BE A RAIN BIRD MODEL LSP-1TURF. THE MINIMUM DISTANCE BETWEEN THE SURGE ARRESTOR AND THE GROUND ROD SHOULD BE 3'.



6 LIGHTNING ARRESTOR - TWO WIRE
NOT TO SCALE

NOTE:

- TWO WIRE PATH JACKETED/TWISTED FROM CONTROLLER/DECODER SHOULD ALLOW 36" SLACK PER DECODER.



3 FLOW SENSOR DECODER - TWO WIRE
NOT TO SCALE

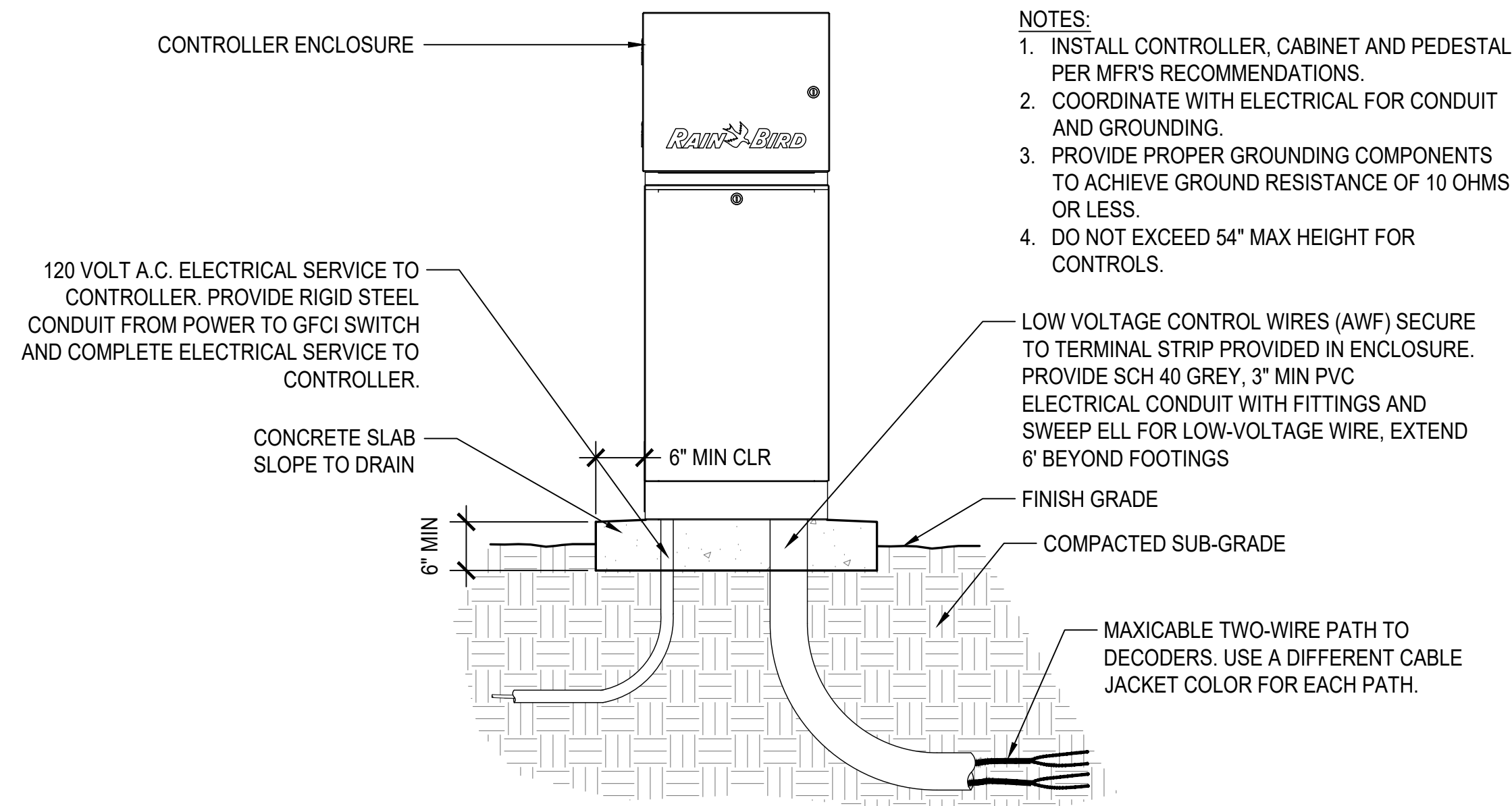
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APN 065-073-03
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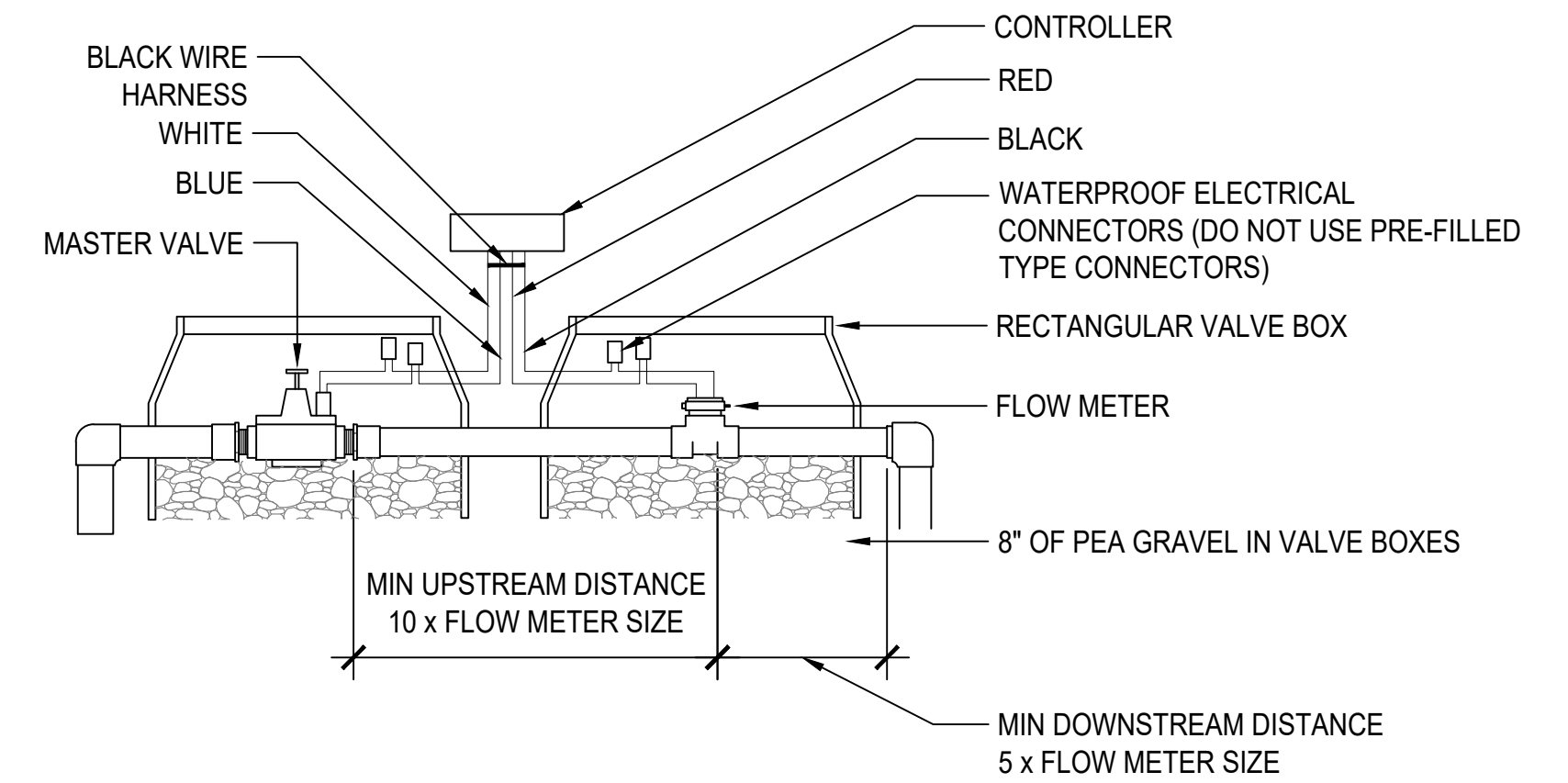
IRRIGATION DETAILS

No.	Revisions
1	BID ADDENDUM NO. 2

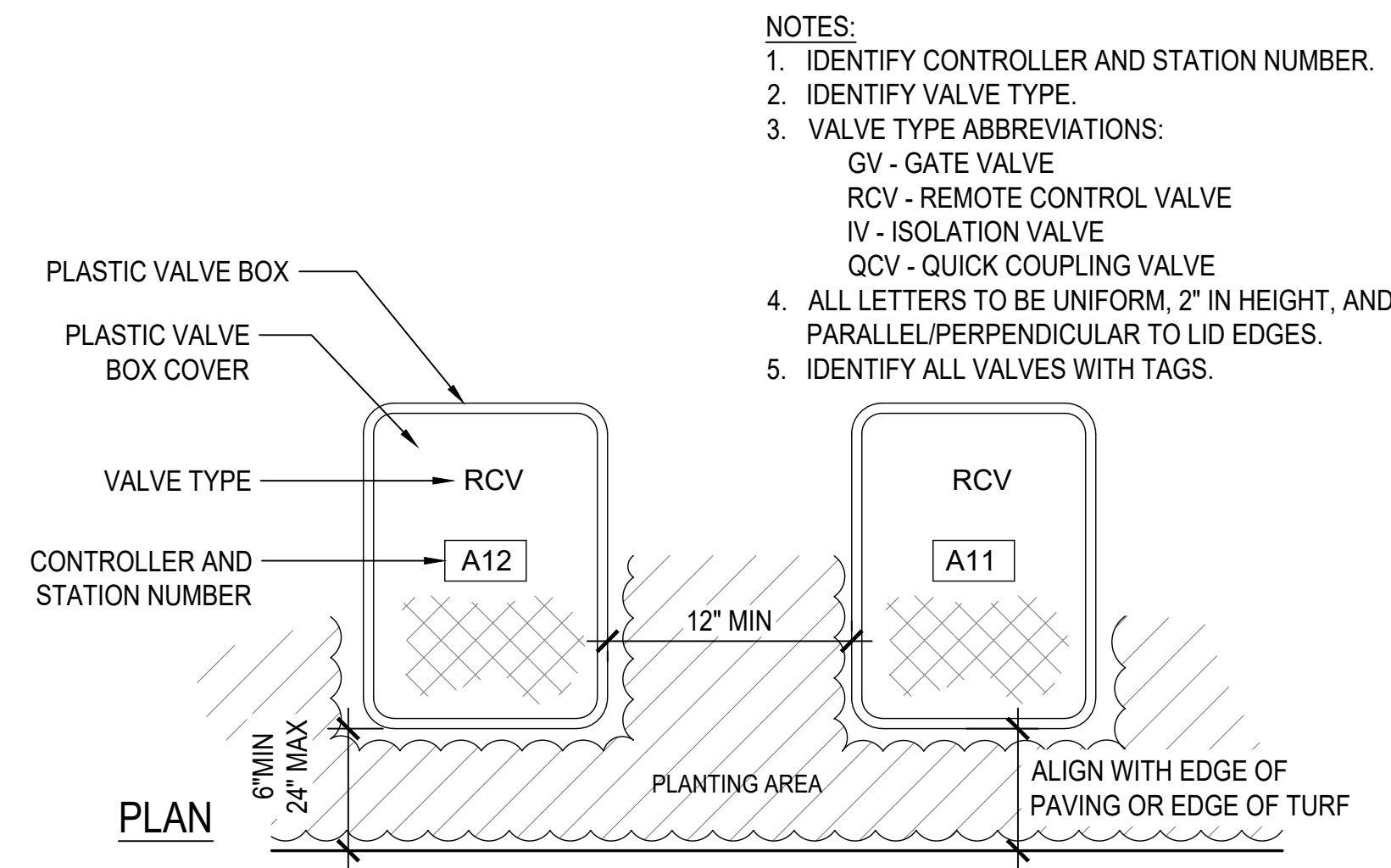
Date: 07/09/2024
Scale: AS SHOWN
Design: TS / OH
Drawn: TS / OH
Approved: BL
Job No: 20191036
Drawing Number:
L8.2
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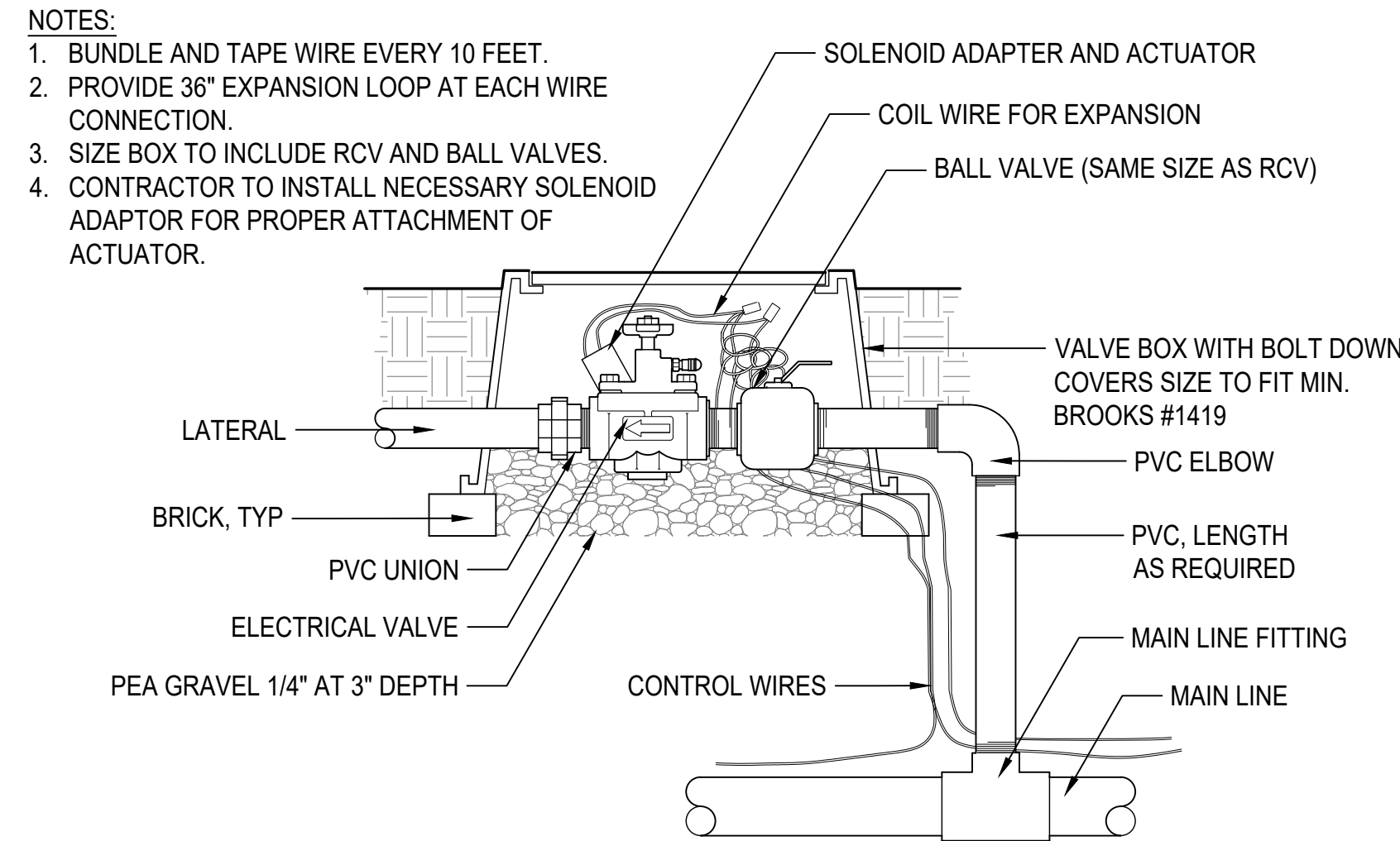
2 CONTROLLER PEDESTAL MOUNT
SCALE: NTS



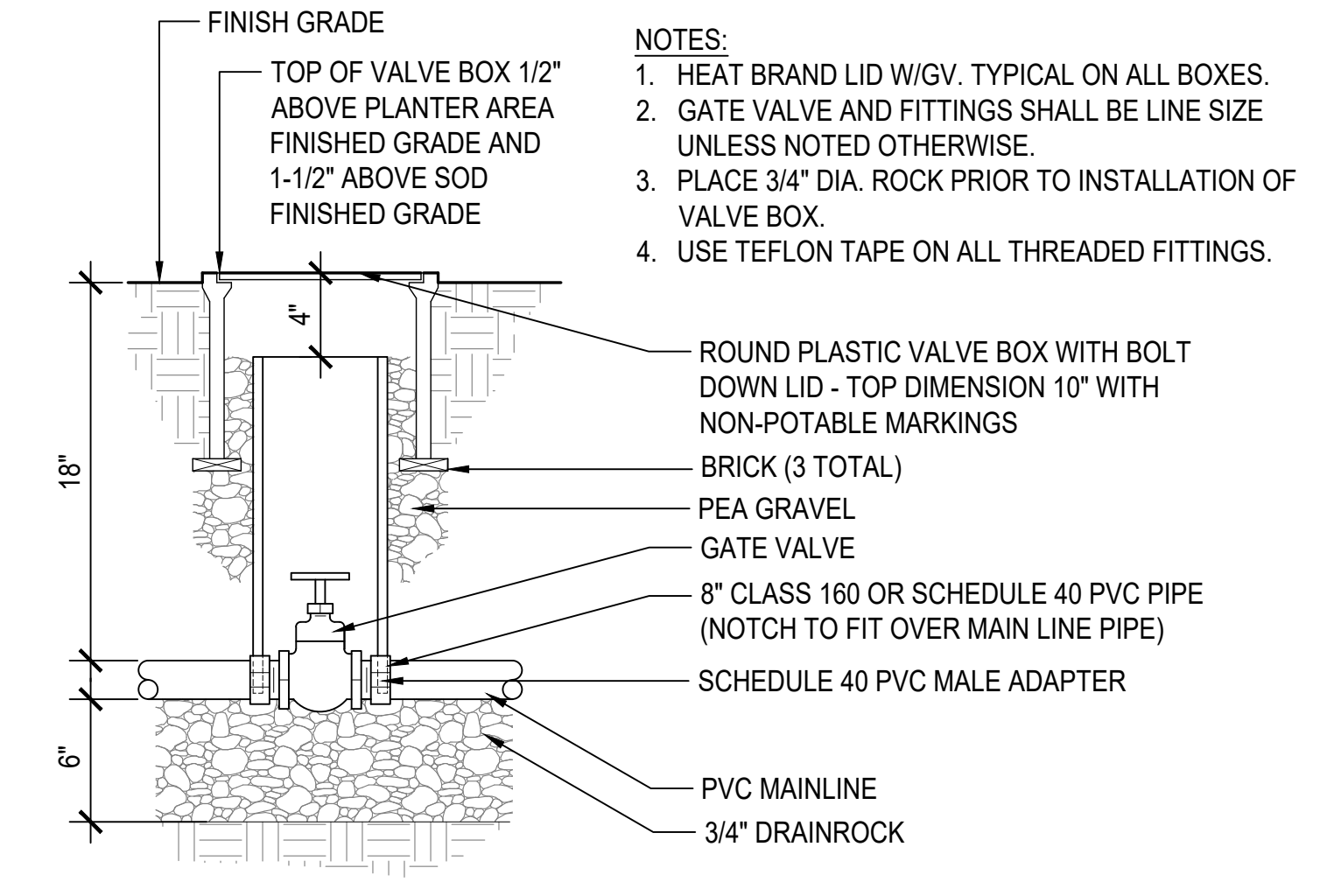
1 MASTER VALVE AND FLOW METER
SCALE: 3/4" = 1'-0"



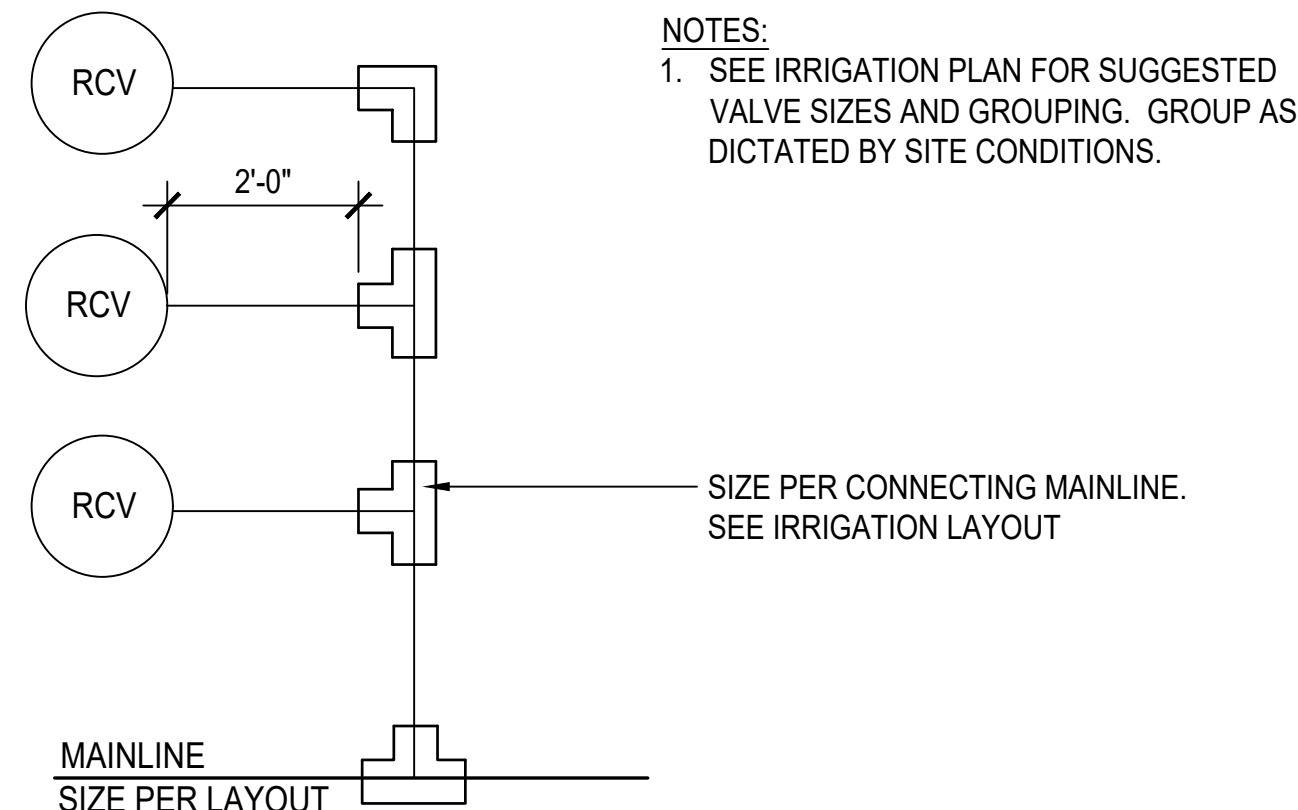
7 VALVE BOXES
SCALE: 1-1/2" = 1'-0"



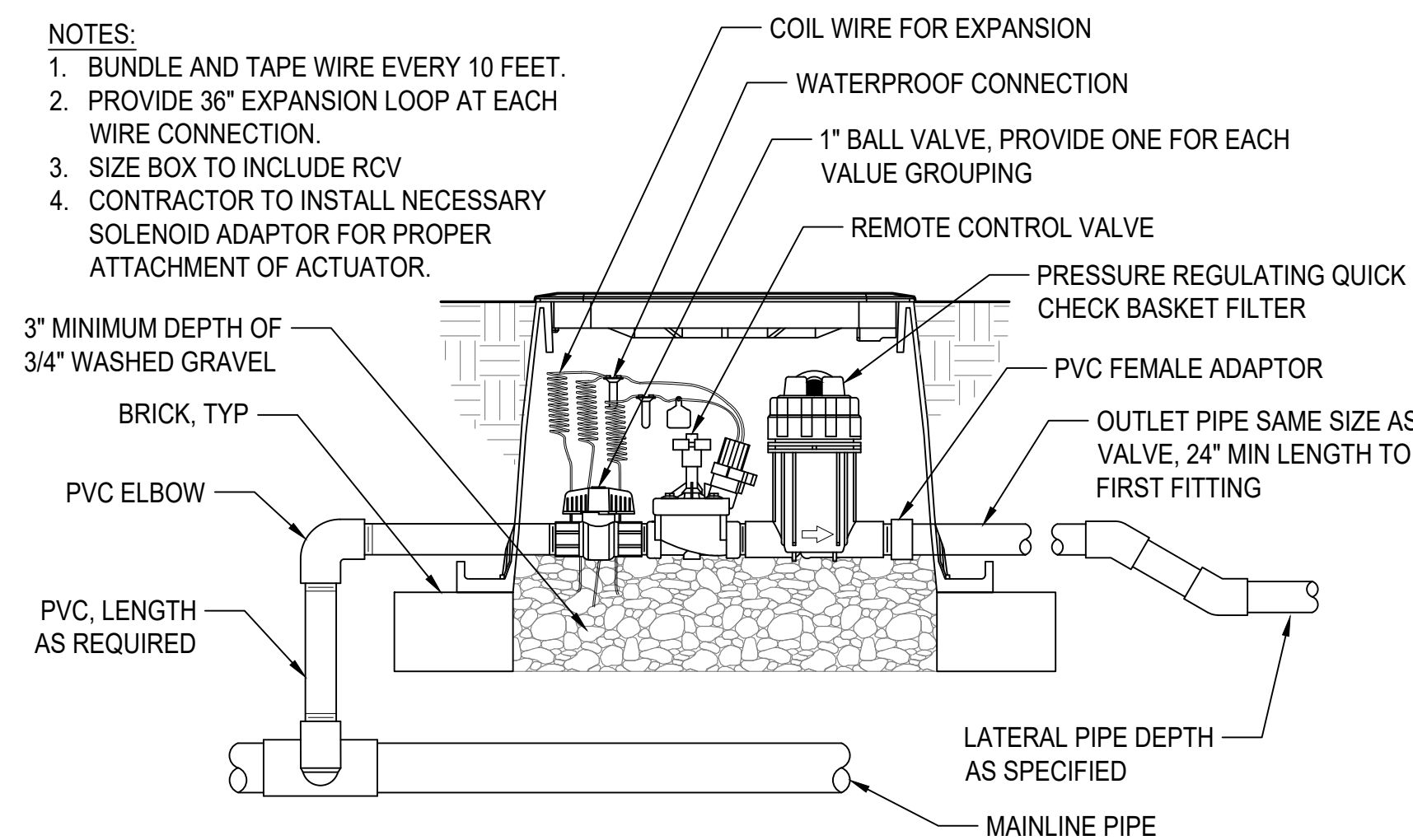
5 REMOTE CONTROL VALVE
SCALE: 3" = 1'-0"



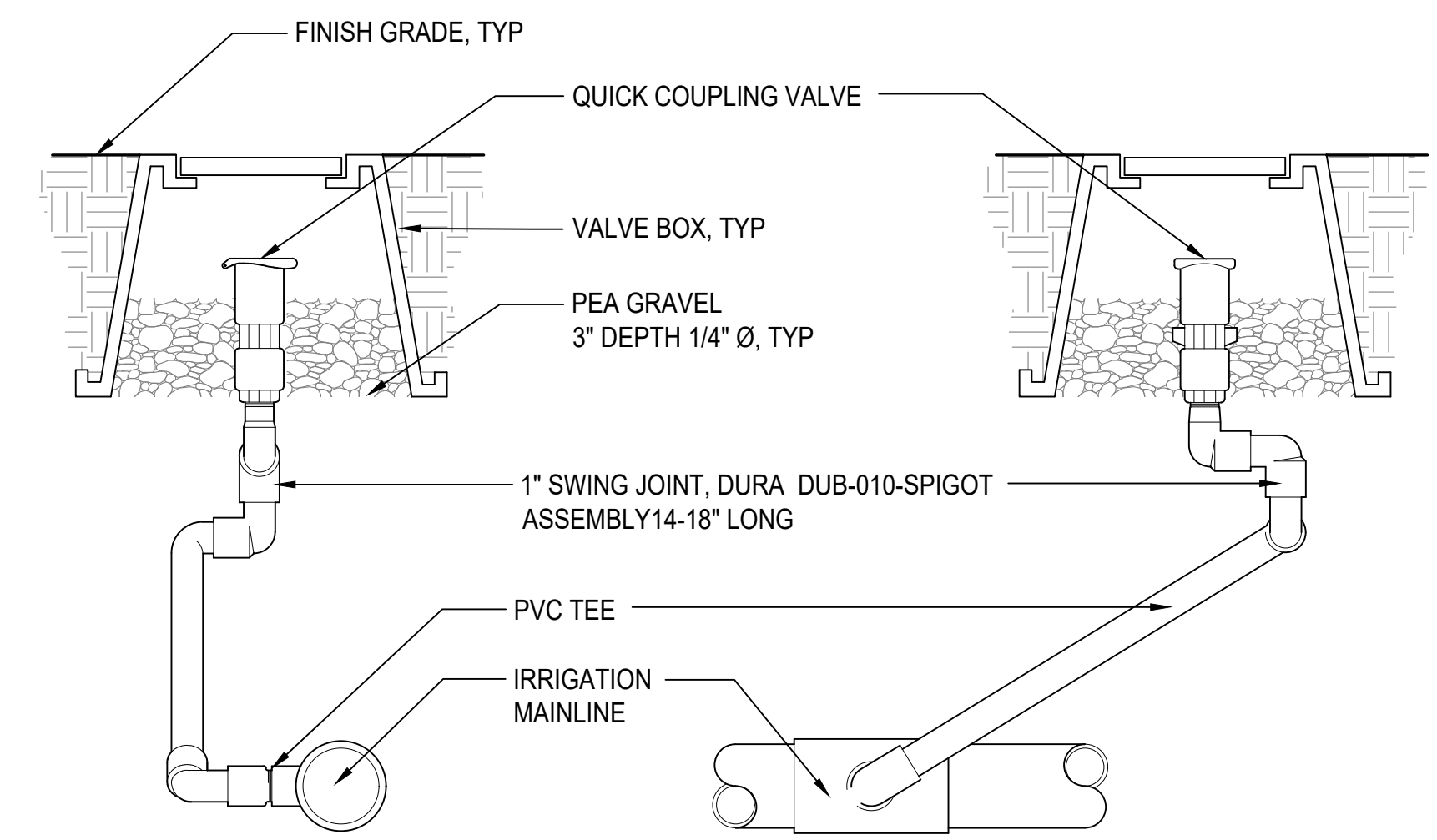
3 ISOLATION GATE VALVE
SCALE: 3" = 1'-0"



8 VALVE GROUPINGS
SCALE: 1/2" = 1'-0"



6 REMOTE CONTROL VALVE - DRIP
SCALE: 3" = 1'-0"



4 QUICK COUPLING VALVE
SCALE: 3" = 1'-0"

- NOTES:
1. INSTALL CONTROLLER, CABINET AND PEDESTAL PER MFR'S RECOMMENDATIONS.
 2. COORDINATE WITH ELECTRICAL FOR CONDUIT AND GROUNDING.
 3. PROVIDE PROPER GROUNDING COMPONENTS TO ACHIEVE GROUND RESISTANCE OF 10 OHMS OR LESS.
 4. DO NOT EXCEED 54" MAX HEIGHT FOR CONTROLS.

- NOTES:
1. IDENTIFY CONTROLLER AND STATION NUMBER.
 2. IDENTIFY VALVE TYPE.
 3. VALVE TYPE ABBREVIATIONS:
GV - GATE VALVE
RCV - REMOTE CONTROL VALVE
IV - ISOLATION VALVE
QCV - QUICK COUPLING VALVE
 4. ALL LETTERS TO BE UNIFORM, 2" IN HEIGHT, AND PARALLEL/PERPENDICULAR TO LID EDGES.
 5. IDENTIFY ALL VALVES WITH TAGS.

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

- NOTES:
1. HEAT BRAND LID W/GV. TYPICAL ON ALL BOXES.
 2. GATE VALVE AND FITTINGS SHALL BE LINE SIZE UNLESS NOTED OTHERWISE.
 3. PLACE 3/4" DIA. ROCK PRIOR TO INSTALLATION OF VALVE BOX.
 4. USE TEFLON TAPE ON ALL THREADED FITTINGS.

- NOTES:
1. SEE IRRIGATION PLAN FOR SUGGESTED VALVE SIZES AND GROUPING. GROUP AS DICTATED BY SITE CONDITIONS.

- NOTES:
1. BUNDLE AND TAPE WIRE EVERY 10 FEET.
 2. PROVIDE 36" EXPANSION LOOP AT EACH WIRE CONNECTION.
 3. SIZE BOX TO INCLUDE RCV
 4. CONTRACTOR TO INSTALL NECESSARY SOLENOID ADAPTOR FOR PROPER ATTACHMENT OF ACTUATOR.

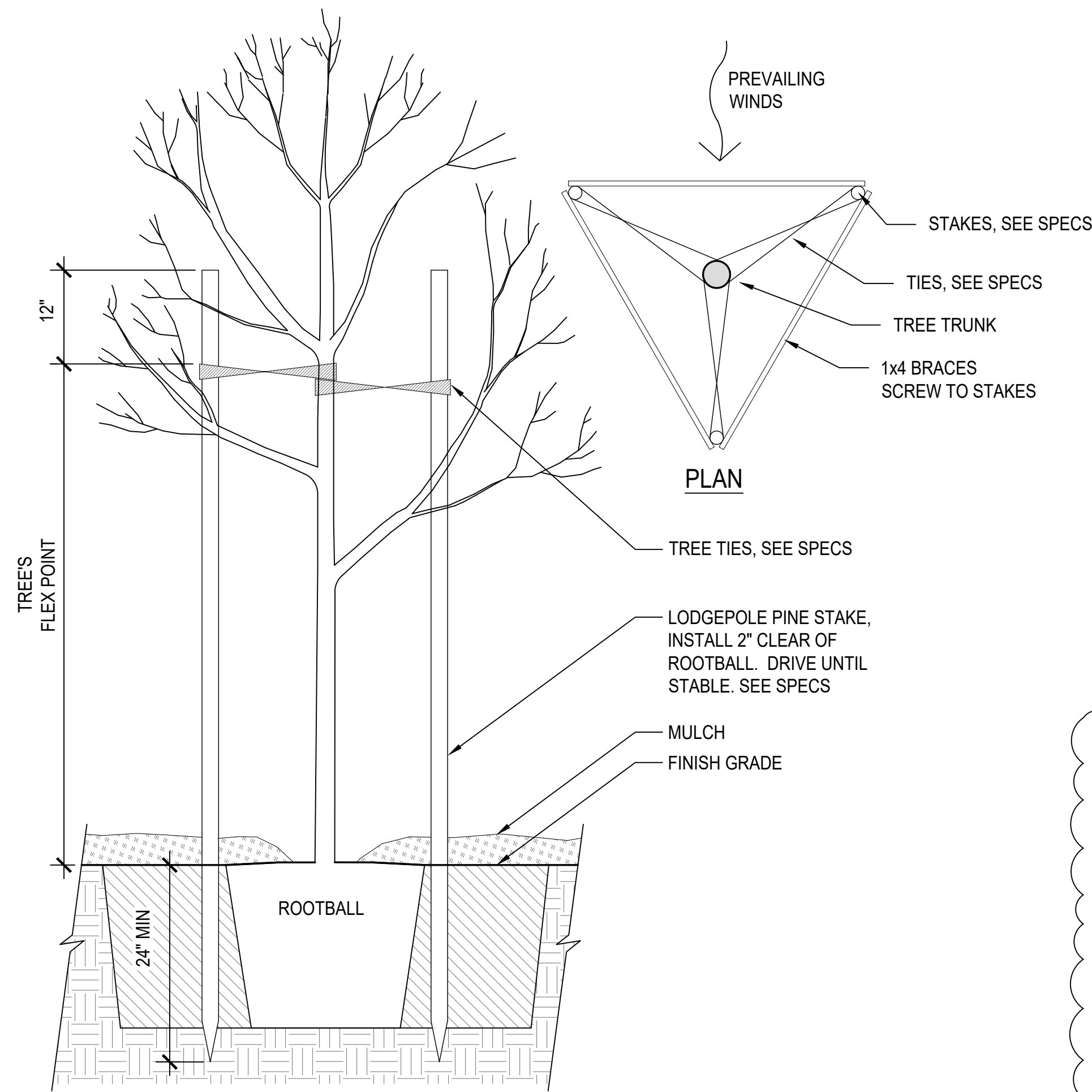
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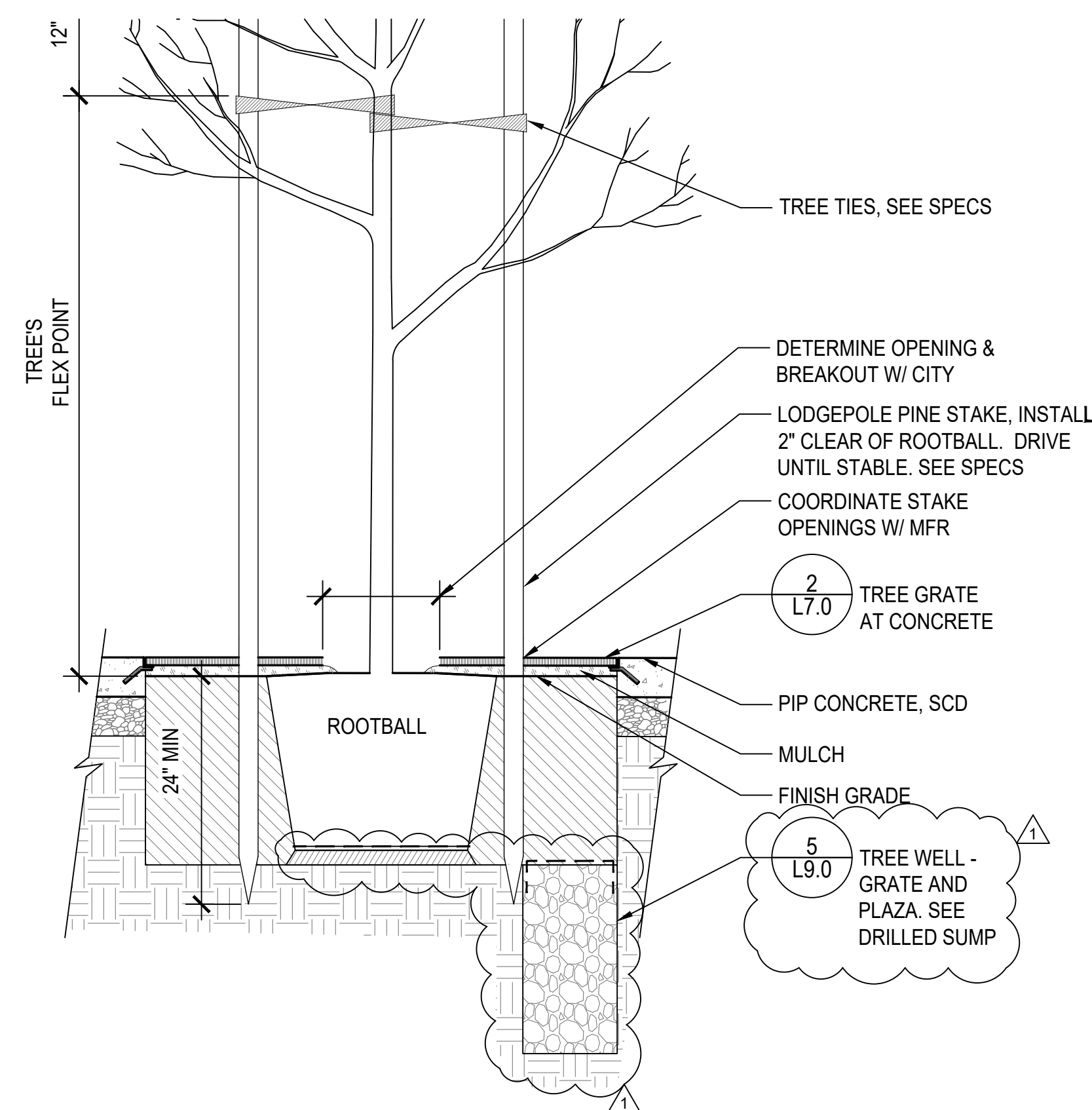
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IRRIGATION DETAILS

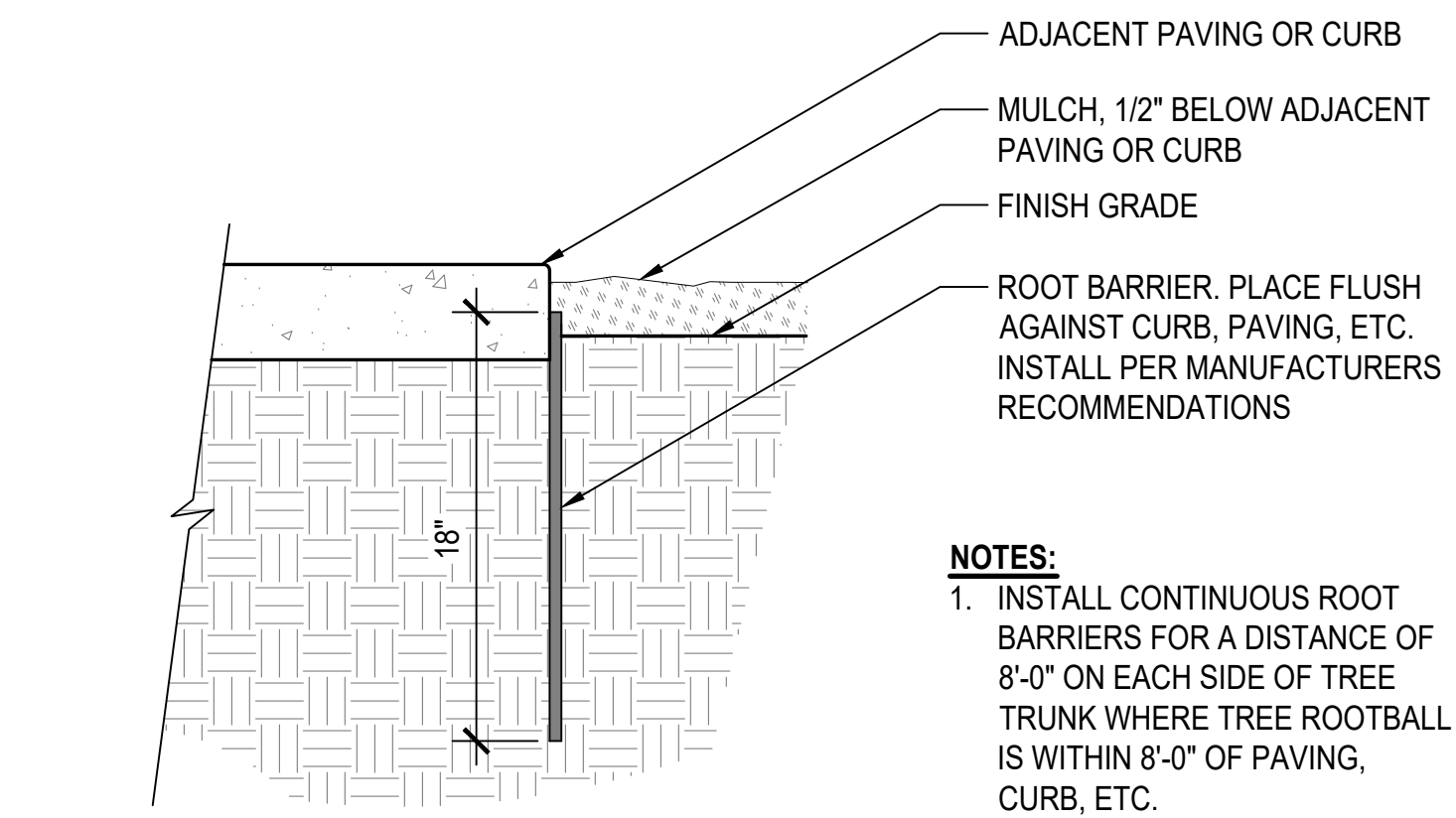
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Revisions					
No.	BID ADDENDUM NO. 2				
Drawing Number:					



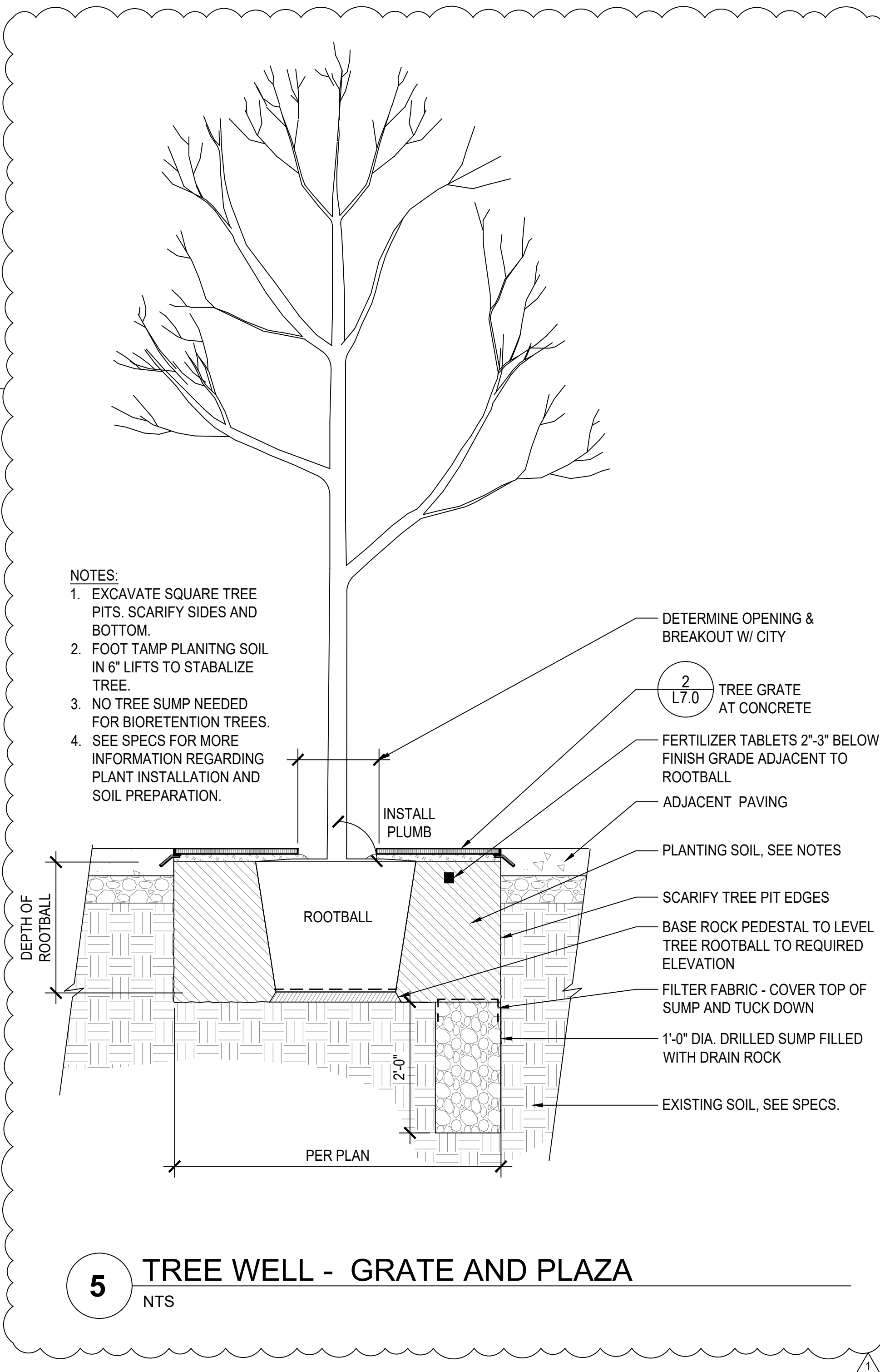
6 TREE STAKING
SCALE: 3/4" = 1'-0"



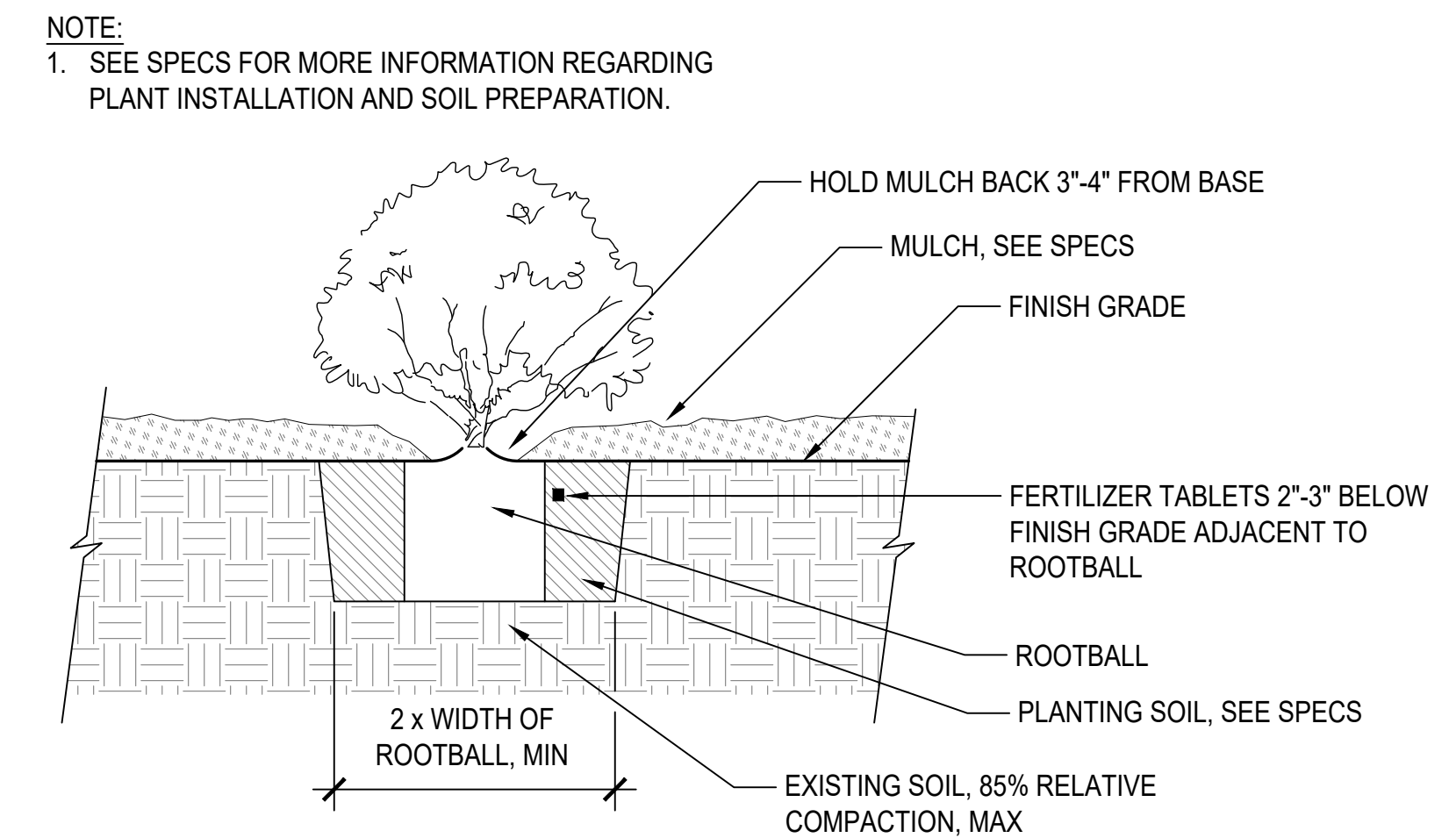
7 TREE STAKING IN TREE GRATE
SCALE: 3/4" = 1'-0"



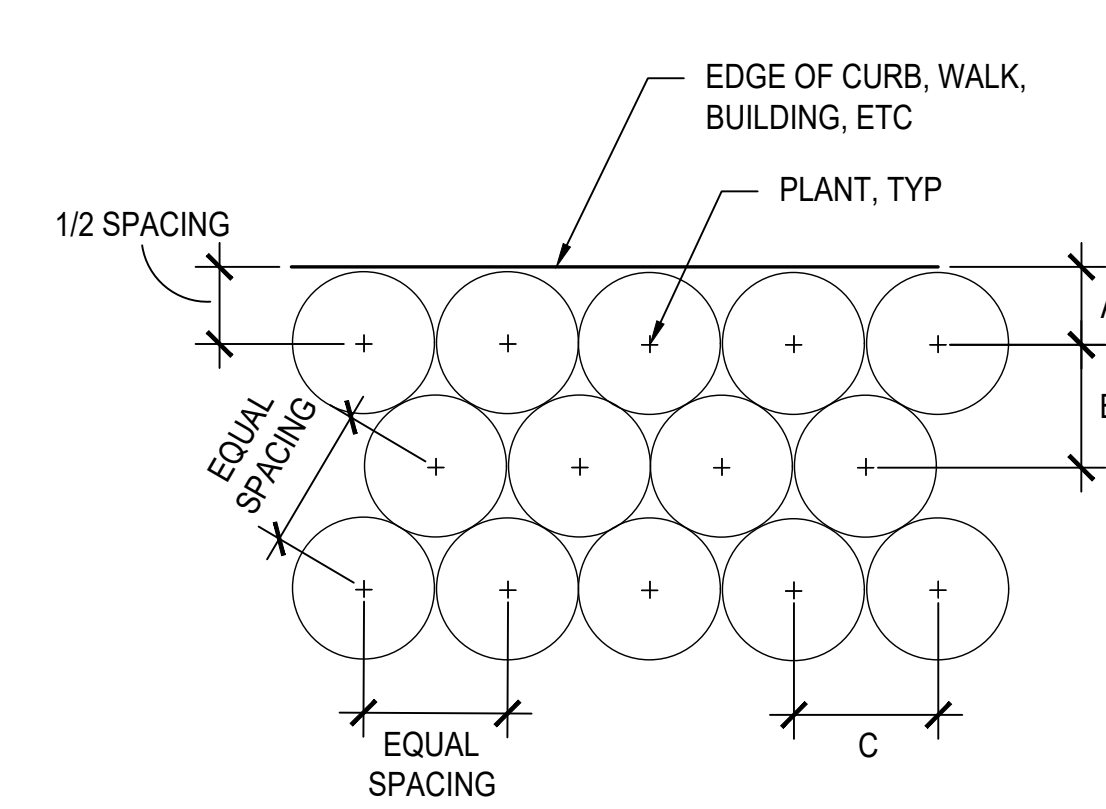
4 ROOT BARRIER
SCALE: 1-1/2" = 1'-0"



5 TREE WELL - GRATE AND PLAZA
NTS



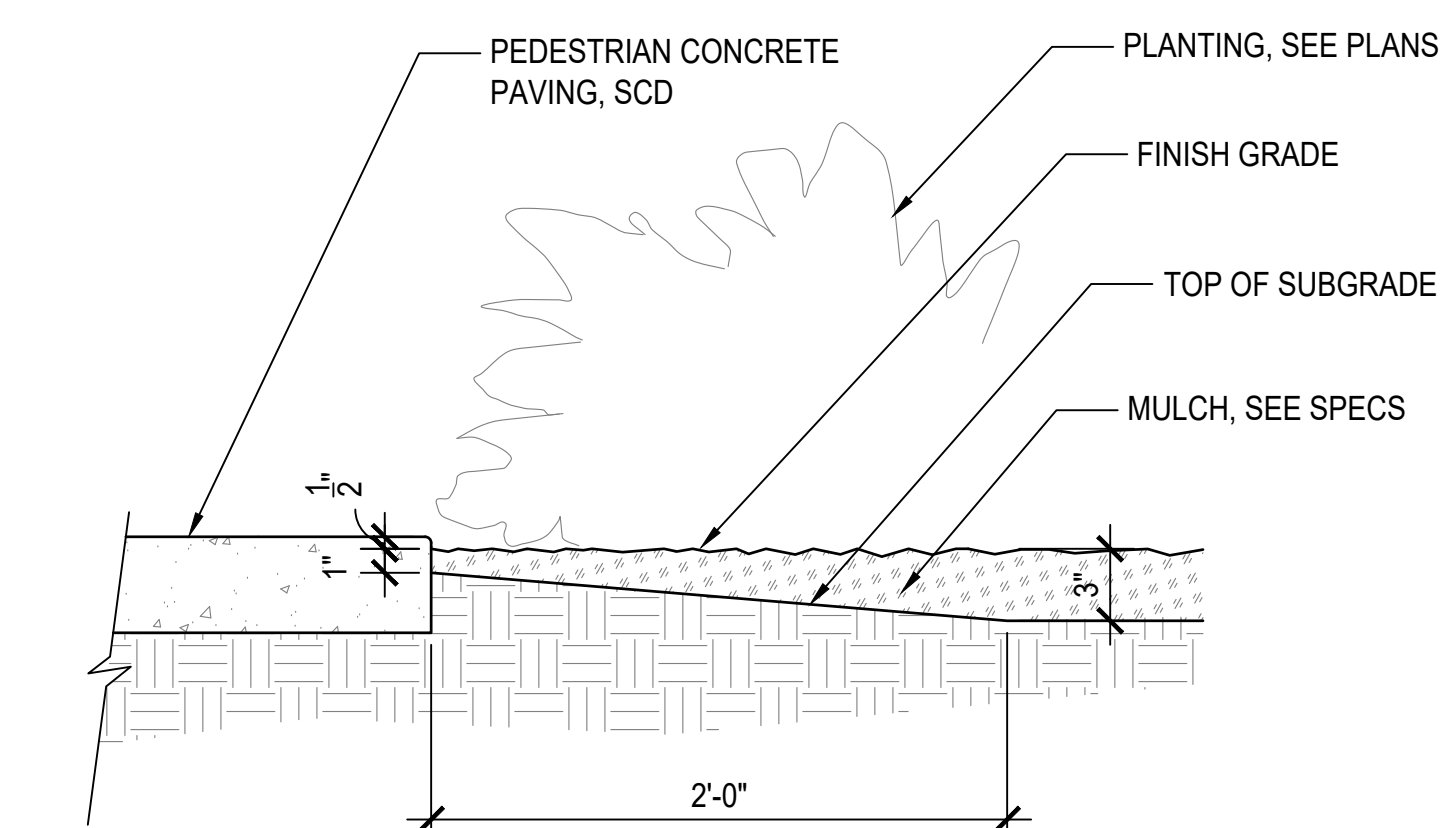
1 SHRUB PLANTING
SCALE: 1" = 1'-0"



NOTES:
1. SEE PLANTING PLAN FOR SPACING BY PLANT SPECIES.
2. INSTALL TRIANGULATED PLANT LAYOUT, UNLESS OTHERWISE SHOWN ON PLANS.

PLANT SPACING	A	B	C
12"	6"	10"	12"
1'-6"	9"	1'-4"	1'-6"
2'-0"	12"	1'-9"	2'-0"
2'-6"	1'-3"	2'-2"	2'-6"
3'-0"	1'-6"	2'-7"	3'-0"
3'-6"	1'-9"	3'-0"	3'-6"
4'-0"	2'-0"	3'-6"	4'-0"
4'-6"	2'-3"	3'-11"	4'-6"
5'-0"	2'-6"	4'-4"	5'-0"

2 PLANTING LAYOUT
NTS



3 MULCH AT CONCRETE PAVING
SCALE: 1-1/2" = 1'-0"

No.	Revisions
1	BID ADDENDUM NO. 2
2	DATE: 07/09/2024
3	SCALE: AS SHOWN
4	DESIGN: TS / OH
5	DRAWN: TS / OH
6	APPROVED: BL
7	JOB NO: 20191036

ELECTRICAL SYMBOL LIST

NOTE: THIS IS A STANDARD SYMBOL LIST AND NOT ALL ITEMS MAY BE USED.

Abbreviations

AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BC	BARE COPPER
C	CONDUIT, CLOSE, CONTROL
CB	CIRCUIT BREAKER
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED
CT	CURRENT TRANSFORMER
CU	COPPER
DN	DOWN
EF	EXHAUST FAN
F	FUSE
FBO	FURNISHED BY OTHERS
G, GND	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
GRC	GALVANIZED RIGID STEEL CONDUIT
KVA	KILOVOLT AMPERES
KW	KILOWATT
MDB	MAIN DISTRIBUTION BOARD
MDP	MAIN DISTRIBUTION PANEL
MSB	MAIN SWITCHBOARD
MT, MTD	MOUNT, MOUNTED
N	NEUTRAL
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OS	OCCUPANCY SENSOR
PNL	PANEL
S	SWITCH
XFMR	TRANSFORMER

Connections / Equipment

	HEAVY DUTY FUSED DISCONNECT SWITCH
	JUNCTION BOX
	JUNCTION BOX WITH FLEX CONNECTION TO EQUIPMENT
	WALL-MOUNTED JUNCTION BOX
	NON-FUSED DISCONNECT SWITCH
	TRANSFORMER

General

	NEW WORK
	EQUIPMENT IDENTIFICATION
	KEYED NOTE
	Lighting
	CEILING FAN
	EXIT SIGN CEILING MOUNTED, ARROW(S) INDICATES DIRECTION IF SHOWN
	EXIT SIGN WALL MOUNTED, ARROW(S) INDICATES DIRECTION IF SHOWN
	AREA LUMINAIRE ARM MOUNTED WITH POLE AND CONCRETE BASE

Miscellaneous

	BRANCH CIRCUIT WIRING. ARROW INDICATES HOME RUN TO PANEL WITH CIRCUITS AS NOTED. WIRE SIZE IS #12 AWG MINIMUM UNLESS NOTED OTHERWISE. SHORT TICK MARKS INDICATE PHASE CONDUCTORS. LONG TICK MARKS INDICATE NEUTRAL CONDUCTORS. A SINGLE CURVED TICK MARK INDICATES INSULATED GREEN GROUND CONDUCTOR. SECOND CURVED TICK MARK INDICATES "ISOLATED GROUND" (GREEN INSULATION WITH YELLOW STRIPE) CONDUCTOR.
	BRANCH PANEL
	CIRCUIT BREAKER
	CURRENT TRANSFORMER
	DIGITAL TYPE METER WITH VOLTMETER, AMMETER, KW METER, KVA METER, KVAR METER, AND %THD METER
	EQUIPMENT CONNECTION ITEM. REFER TO SCHEDULE
	FLUSH MOUNT EQUIPMENT ENCLOSURE AS NOTED
	FLUSH WALL MOUNTED BRANCH PANEL
	GROUND ROD
	GROUNDING POINT
	MAIN DISTRIBUTION PANEL / SUB DISTRIBUTION PANEL
	METER WITH CONNECTION
	SURFACE MOUNT EQUIPMENT ENCLOSURE AS NOTED
	UTILITY TRANSFORMER PAD/VAULT
	WALL MOUNTING BRACKET
	WATER PIPE GROUND CONNECTION

Raceways

	CONDUIT CONCEALED IN WALL OR CEILING SPACE
	CONDUIT ROUTED BELOW FLOOR / GRADE
	CONDUIT ELLED DOWN
	CONDUIT ELLED UP
	CONDUIT/WIRING CONTINUATION
	CONDUIT/WIRING STUBBED OUT WITH END CAP OR INSULATED PLASTIC BUSHING
	FLEXIBLE CONDUIT

Switches and Receptacles

	DUPEX RECEPTACLE (MULTIPLE LETTERS INDICATE MULTIPLE OPTIONS) A = ABOVE COUNTER B = CLOCK HANGER C = FLUSH CEILING MOUNTED E = EMERGENCY F = ARC FAULT PROTECTED BY BREAKER IN PANEL G = GROUND FAULT CIRCUIT INTERRUPTER H = HOSPITAL GRADE K = CHILD RESISTANT COVER L = ISOLATED GROUND P = PENDANT MOUNTED WITH CORD GRIPS. VERIFY PENDANT LENGTH S = SPLIT WIRED T = TAMPER RESISTANT SHUTTERED RECEPTACLE W = WEATHERPROOF CONTINUOUS USE COVER, GFCI PROTECTED, WITH WEATHER-RESISTANT RECEPTACLE ? = DESIGNER DEFINED
	DOUBLE DUPEX RECEPTACLE. SEE LETTER CODE LIST AT DUPEX RECEPTACLE FOR OPTIONS
	SINGLE RECEPTACLE. SEE LETTER CODE LIST AT DUPEX RECEPTACLE FOR OPTIONS
	DUPEX RECEPTACLE, FLUSH FLOOR
	EQUIPMENT ELECTRICAL CONNECTION
	SPECIAL PURPOSE RECEPTACLE. LETTER CODE DENOTES RECEPTACLE CONFIGURATION LX-xxr = NEMA CONFIGURATION TWIST-LOCK RECEPTACLE X-xxr = NEMA CONFIGURATION STRAIGHT BLADE RECEPTACLE P = PENDANT MOUNT WITH CORD GRIPS. VERIFY PENDANT LENGTH X = COORDINATE RECEPTACLE CONFIGURATION WITH EQUIPMENT BEING SUPPLIED
	OCCUPANCY SENSOR (SELF CONTAINED) P = PASSIVE INFRARED D = DUAL TECHNOLOGY U = ULTRASONIC, 360 DEG RANGE H = ULTRASONIC, HALLWAY PATTERN
	SINGLE POLE SWITCH 2 = DOUBLE POLE SWITCH 3 = THREE-WAY SWITCH 4 = FOUR-WAY SWITCH o THRU z (LOWERCASE) = LUMINAIRE CONTROL DESIGNATION D = DIMMER F = FAN SPEED CONTROL K = KEY OPERATED SWITCH L = LIGHTED HANDLE M = MANUAL MOTOR STARTER WITH THERMAL OVERLOAD P = SWITCH WITH PILOT LIGHT S = SENTRY SWITCH T = INTERVAL TIMER W = WEATHERPROOF SWITCH V = LOW VOLTAGE SWITCH ? = DESIGNER DEFINED SWITCH

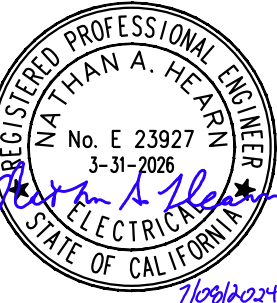
DEVICE OUTLETS SHALL BE NO MORE THAN +48" AFF TO TOP OF BOX NOR LESS THAN +15" AFF TO BOTTOM OF BOX PER CBC 11B-308.1.2

GENERAL NOTES

- ALL SWITCHBOARDS AND PANELBOARDS SUPPLIED BY A FEEDER SHALL BE MARKED TO INDICATE THE DEVICE OR EQUIPMENT WHERE THE POWER SUPPLY ORIGINATES.
- NEW ELECTRICAL WIRING TO BE IN COMPLIANCE WITH 2019 NATIONAL ELECTRICAL CODE (NEC) AS AMENDED BY THE 2020 CALIFORNIA ELECTRICAL CODE (CEC).
- PROVIDE MELAMINE PLASTIC ENGRAVED LABELS FOR PANELS, MAIN SWITCHBOARD DISCONNECTS, AND ALL MAJOR ELECTRICAL EQUIPMENT.
- SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FAULT CURRENT. THE MARKINGS SHALL INCLUDE THE DATE THE FAULT-CURRENT CALCULATION WAS PERFORMED.
- ALL EQUIPMENT AND APPURTENANCES TO BE UL (NRTL) LISTED AND LABELED PER CEC.
- CONTRACTOR TO VERIFY THAT ALL TERMINALS ARE RATED AT 75°C OR HIGHER. PER NEC; IF A BREAKER (OR TERMINATION POINT) IS RATED AT 100 AMPS OR LESS AND IS NOT LABELED AS SUITABLE FOR TERMINATIONS AT 75°C, BY DEFAULT IT IS RATED 60°C. ALL SPECIFIED CONDUCTORS SIZES ARE BASED ON EXPECTED TERMINAL TEMPERATURE RATINGS. DO NOT CHANGE CONDUCTOR SIZE WITHOUT VERIFY THE TEMPERATURE RATING OF THE TERMINAL TO BE USED.
- PROVIDE #12 CONDUCTORS FOR ALL WIRING FOR CIRCUITS WHERE NOT SHOWN ON DRAWINGS. NUMBER AS REQUIRED IN CONDUIT SIZED PER NEC. PROVIDE CONDUIT OR METAL SHEATHED CABLE FOR ALL CONDUCTORS, UNLESS OTHERWISE ALLOWED.
- INSTALL AND CONNECT A CODE SIZE INSULATED GROUND CONDUCTOR IN ALL BRANCH CIRCUITS AND FEEDER CONDUITS. THESE EQUIPMENT GROUND WIRES MAY NOT BE SHOWN ON THE PLANS. INCREASE CONDUIT SIZE WHERE REQUIRED.
- LOCATION AND DEPTH OF ALL UNDERGROUND CONDUITS SHALL BE COORDINATED WITH THE WASTE LINES, RAIN WATER LEADER LINES, SPRINKLER LINES, WATER LINES AND BUILDING FOOTINGS PRIOR TO ROUGH-IN.
- VERIFY CONTROL REQUIREMENTS FOR ROOF EQUIPMENT, EXHAUST FANS, AIR CONDITIONING UNITS, AND FANS PRIOR TO ROUGH-IN.
- UNLESS DIS-ALLOWED BY THE AUTHORITY HAVING JURISDICTION; NON-METALLIC SHEATHED CABLE: USES PERMITTED AS FOLLOWS PER CEC 334.10: STRUCTURES OF TYPES III, IV, AND V CONSTRUCTION. CABLES SHALL BE CONCEALED WITHIN WALLS, FLOORS, OR CEILINGS THAT PROVIDE A THERMAL BARRIER OF MATERIAL THAT HAS AT LEAST A 15-MINUTE FINISH RATING AS IDENTIFIED IN LISTINGS OF FIRE-RATED ASSEMBLIES OR AS PER CEC 334.10. USES NOT PERMITTED AS FOLLOWS PER CEC 334.12: EXPOSED WITHIN A DROPPED OR SUSPENDED CEILING CAVITY, IN THEATERS AND SIMILAR LOCATIONS, EMBEDDED IN CONCRETE OR AGGREGATE, AND HAZARDOUS LOCATIONS OR AS PER CEC 334.12.
- AN INTERSYSTEM BONDING TERMINATION FOR CONNECTION OF BONDING CONDUCTORS REQUIRED FOR COMMUNICATION SYSTEMS SHALL BE PROVIDED EXTERNAL TO ENCLOSURES AT THE SERVICE EQUIPMENT OR METERING EQUIPMENT ENCLOSURE. THE INTERSYSTEM BONDING TERMINATION SHALL CONSIST OF A SET OF TERMINALS WITH THE CAPACITY FOR CONNECTION OF NOT LESS THAN THREE COMMUNICATION SYSTEMS BONDING CONDUCTORS.
- ACCEPTANCE TESTING REQUIRED PER 2022 CALIFORNIA ENERGY CODE. A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN IS REQUIRED TO PERFORM THE TESTS SET FORTH IN THE FOLLOWING ACCEPTANCE TEST FORMS (CONTACT SMART LIGHT SYSTEMS (530) 412-0971 FOR SHOP DRAWINGS AND FURTHER INFORMATION):
 - NRCA-LTI-02-A - LIGHTING CONTROLS
 - NRCA-LTI-03-A - AUTOMATIC DAYLIGHTING
 - NRCA-LTI-02-A - OUTDOOR MOTION SENSOR AND LIGHTING SHUT-OFF CONTROLS.

SHEET INDEX

E0.1	ELECTRICAL NOTES AND LEGEND
E1.0	ELECTRICAL PLAN
E1.1	ELECTRICAL BID ALTERNATE 3 PLAN
E2.0	ELECTRICAL DETAILS
E3.0	TITLE 24 LTO FORMS
E3.1	TITLE 24 LTO FORMS



RANCHO CORDOVA, CALIFORNIA

NH - RK
PM - DESIGN TEAM

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PROJECT NO.

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SAUSALITO, CALIFORNIA

ELECTRICAL NOTES AND LEGEND

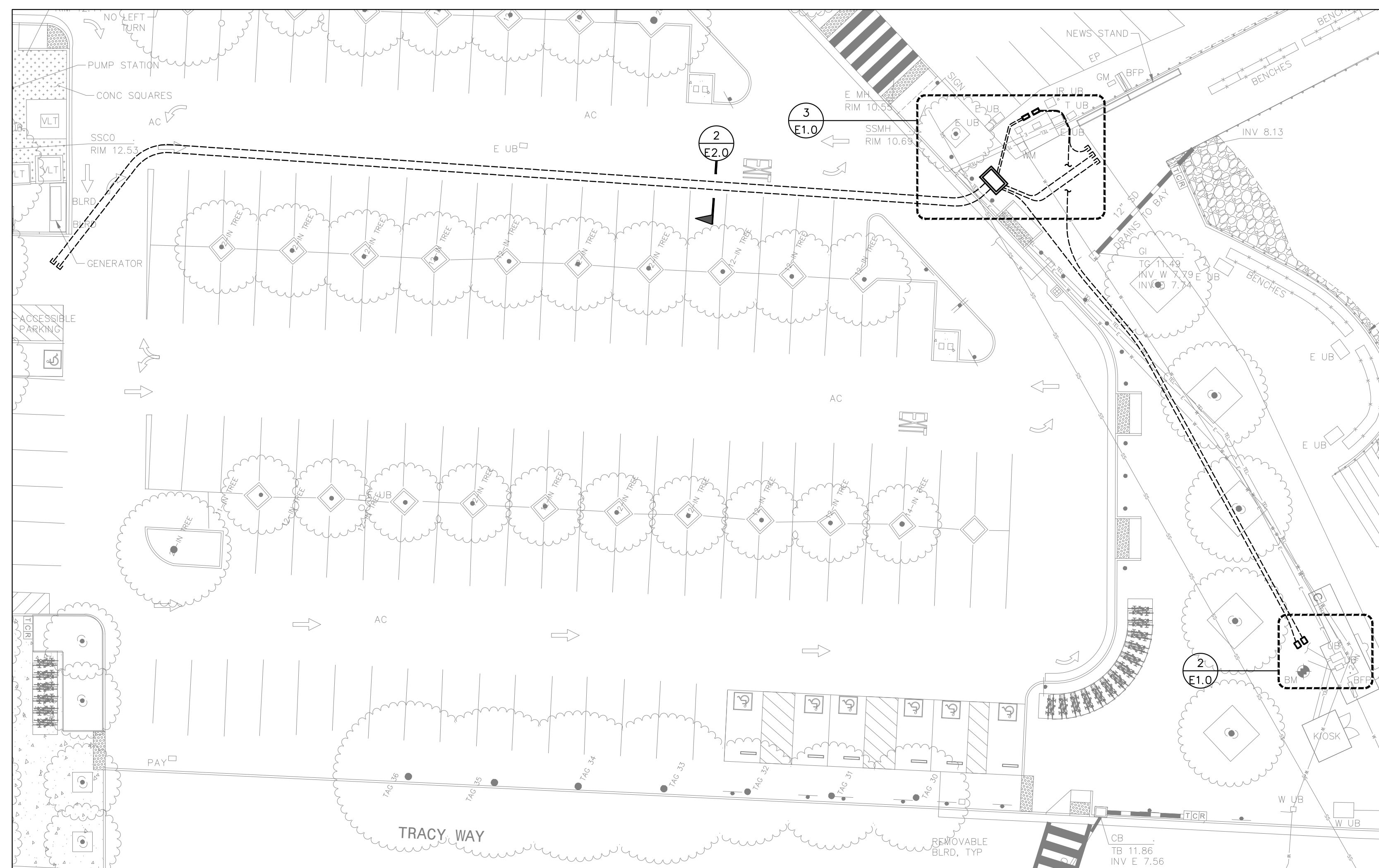
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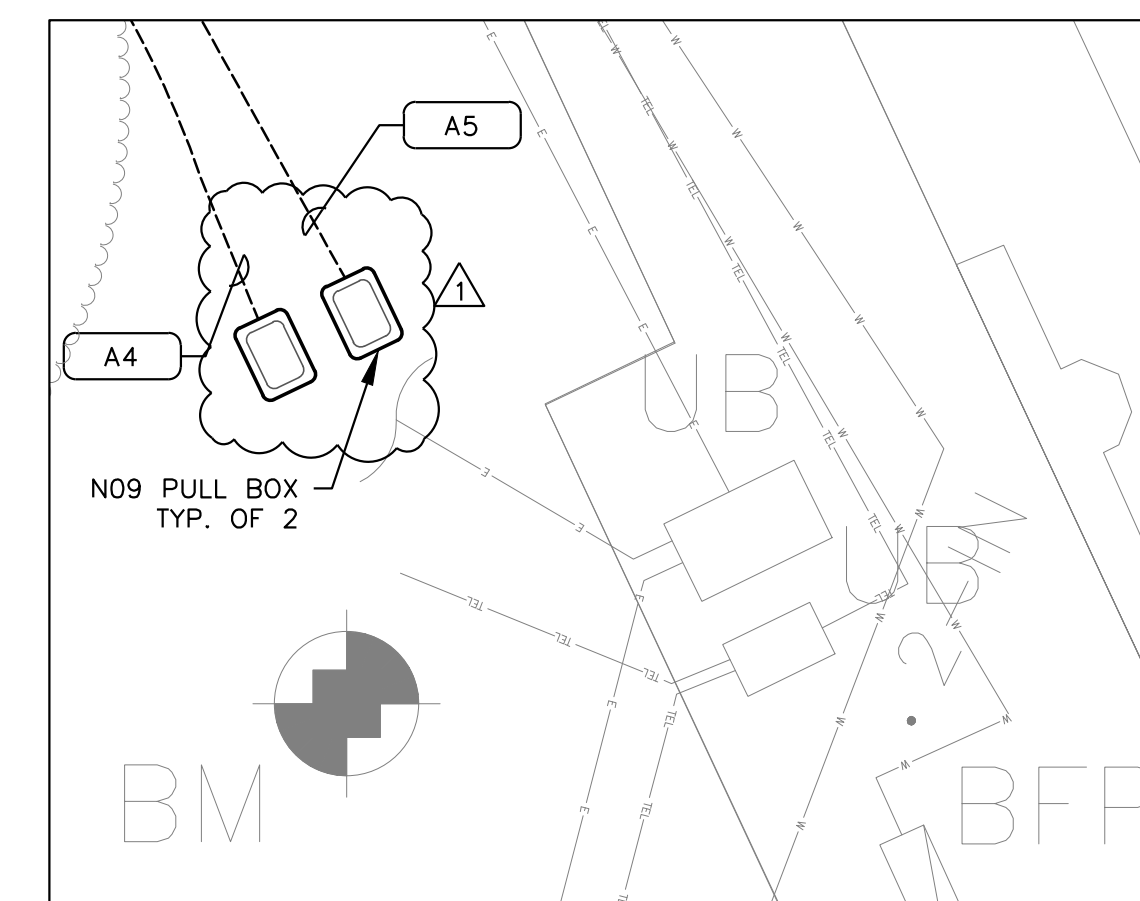
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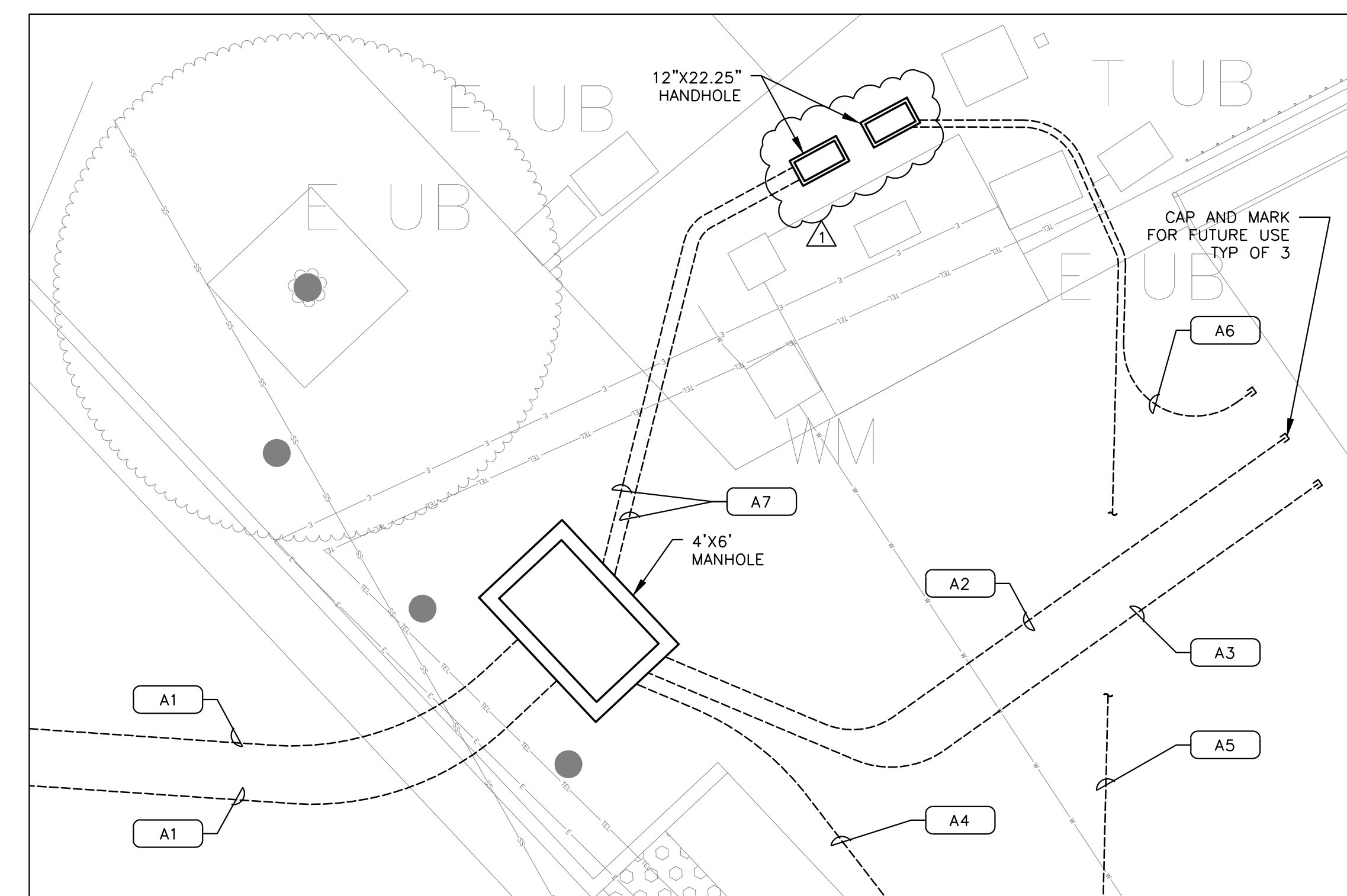
CONDUIT & WIRE ROUTING SCHEDULE					
ID	CONDUITS	WIRES	EQUIP. GND.	FROM	TO
A1	5" PVC			4'X6' MANHOLE	ADA PARKING
A2	2" PVC			4'X6' MANHOLE	CONC. PIER
A3	4" PVC			4'X6' MANHOLE	FLOAT
A4	1-1/2" PVC			4'X6' MANHOLE	FUTURE TICKET MACHINE
A5	2" PVC			12"X22.25" HANDHOLE	TVM
A6	2" PVC			12"X22.25" HANDHOLE	ENTRY GATE
A7	4" PVC			12"X22.25" HANDHOLE	4'X6' MANHOLE



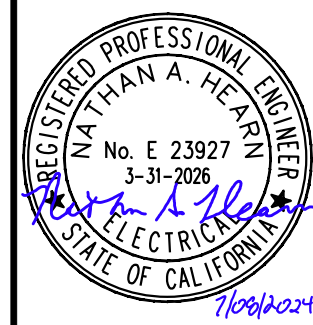
1 ELECTRICAL PLAN
SCALE: 1"=20'-0"
0 20' 40'



2 ENLARGED ELECTRICAL PLAN
SCALE: 1/4"=1'-0"
0 2' 4' 8'



3 ENLARGED ELECTRICAL PLAN
SCALE: 1/4"=1'-0"
0 2' 4' 8'

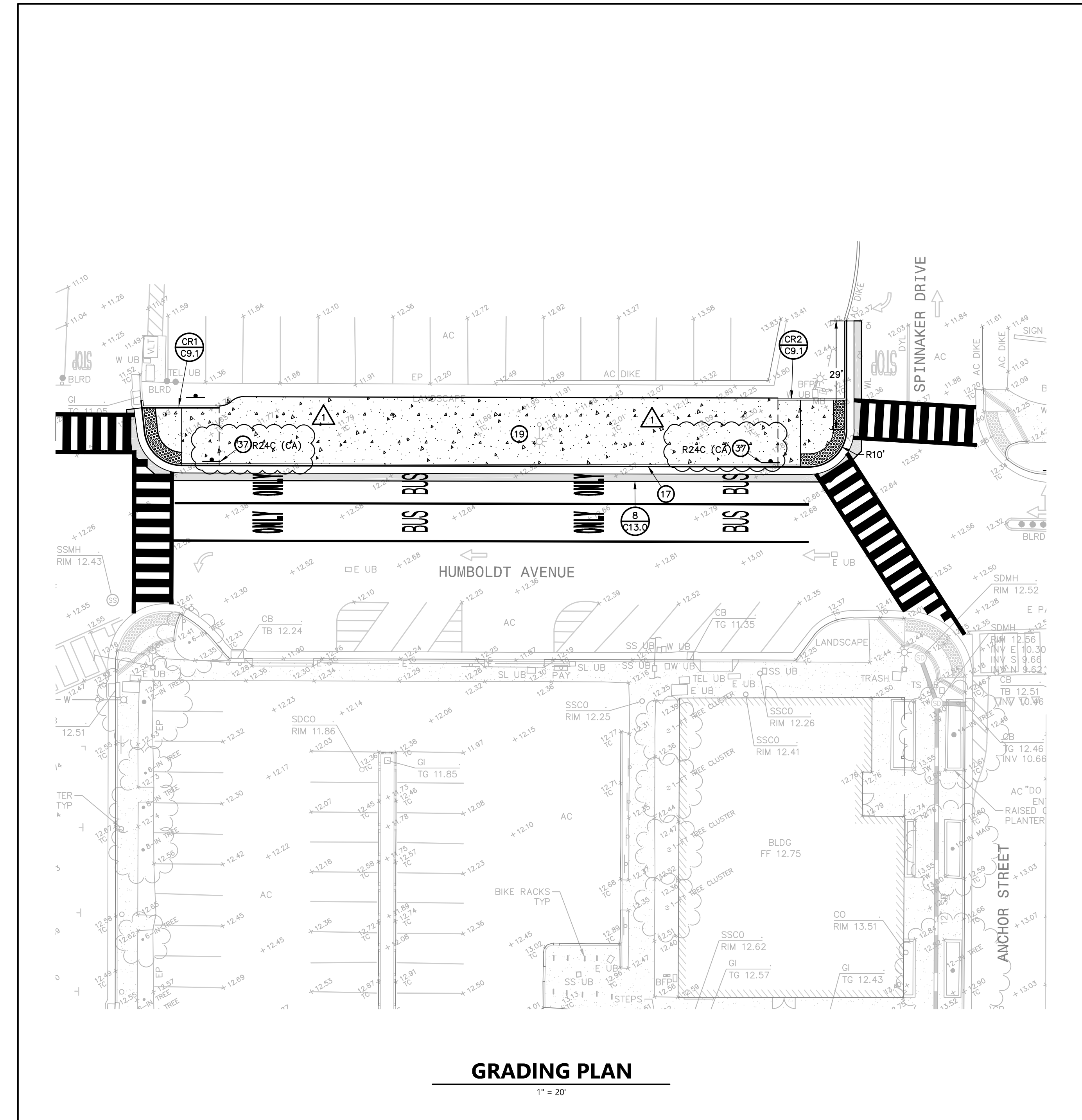
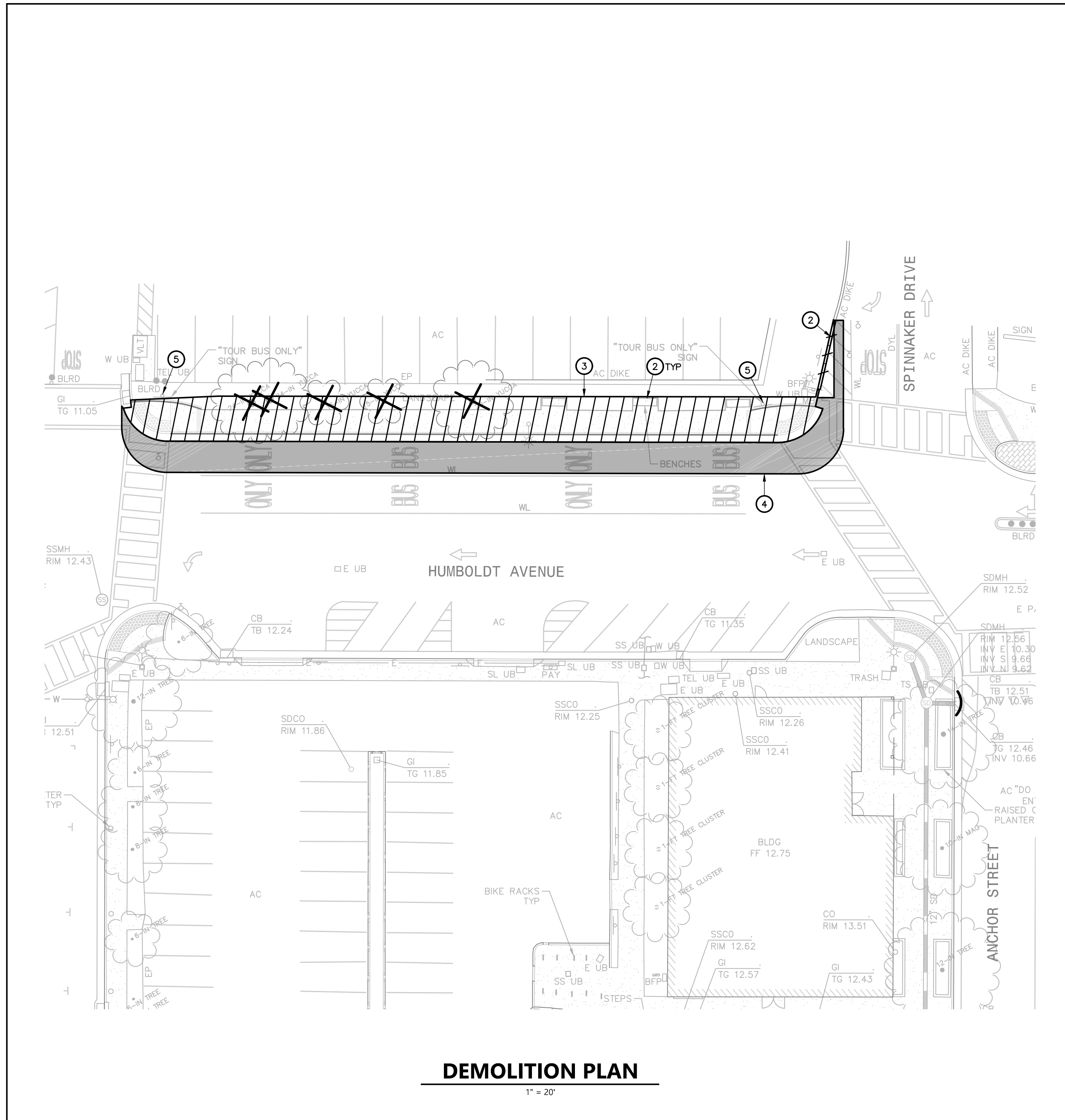


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ELECTRICAL PLAN

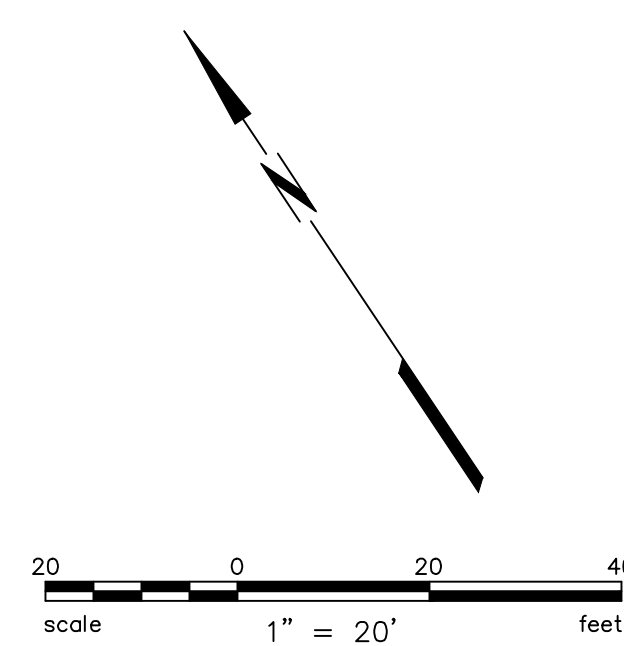
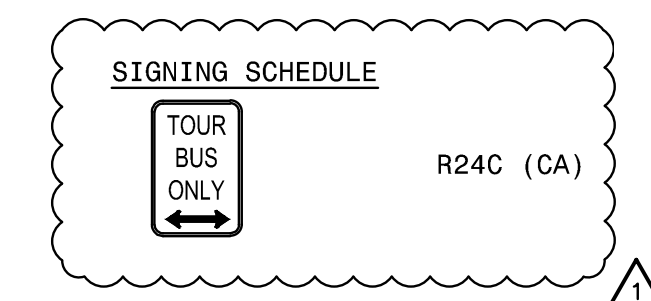
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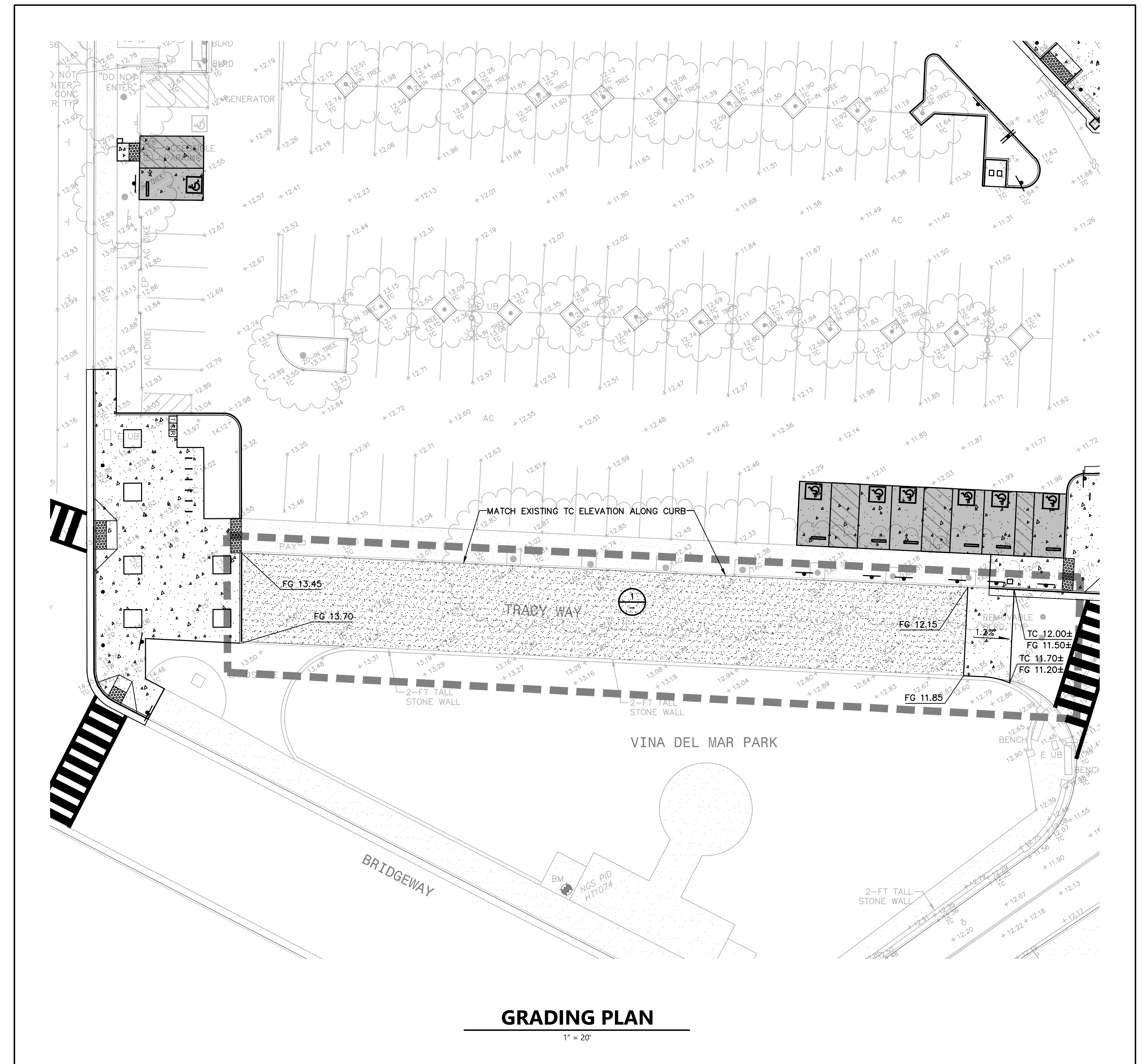
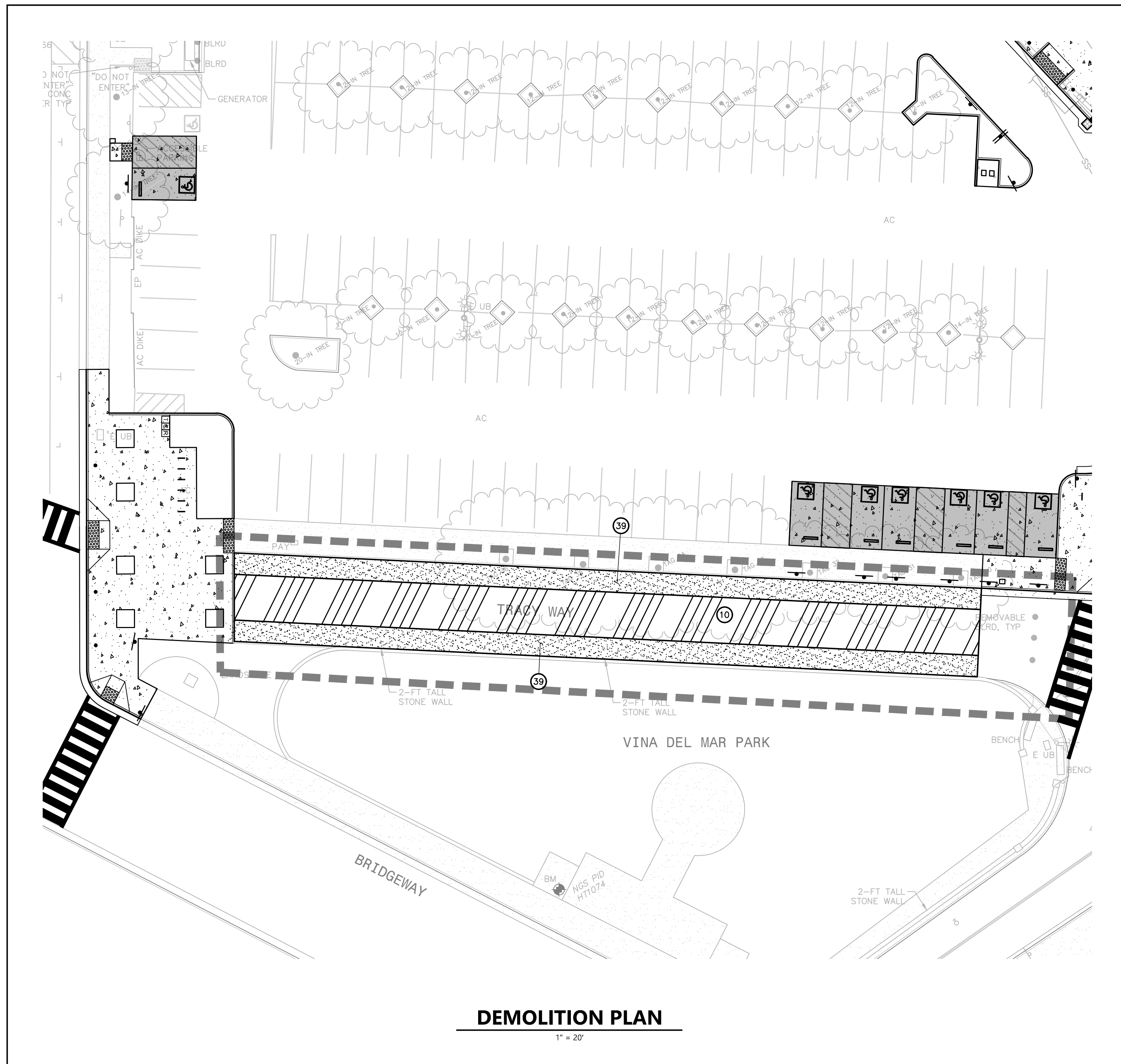
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APPROVED: [Signature]
JOB NO: [Blank]
DRAWING NUMBER: **E1.0**
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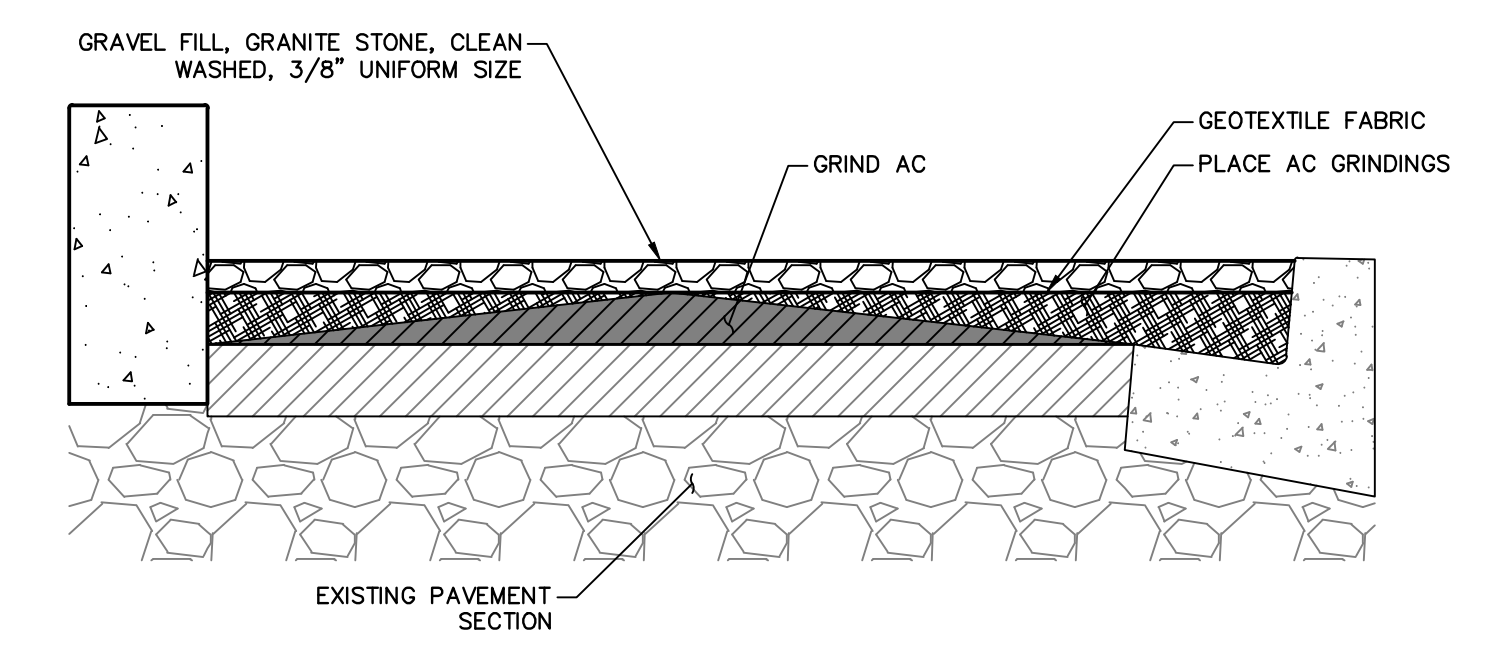
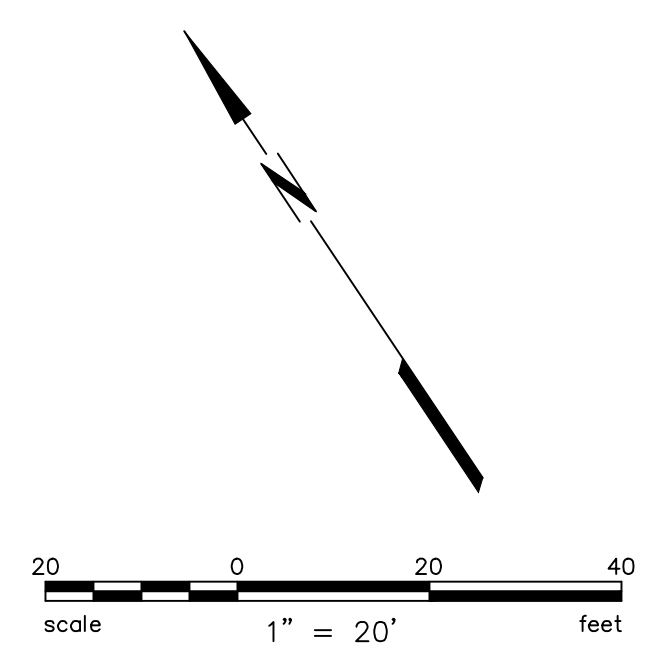
- KEYNOTES:**
- ② REMOVE AND DISPOSE OF EXISTING MATERIAL OR FEATURE. REMOVE FEATURE FLUSH WITH ADJACENT GRADE, INCLUDING CUTTING OF ANCHORS OR BOLTS.
 - ③ SAWCUT AND CLEANLY REMOVE AND DISPOSE OF EXISTING ASPHALT PAVEMENT AND BASE COURSE AS NEEDED TO FACILITATE THE PROPOSED IMPROVEMENTS.
 - ④ SAWCUT, CLEANLY REMOVE AND DISPOSE OF EXISTING CONCRETE TO THE NEAREST CONTROL JOINT AS NEEDED TO FACILITATE THE PROPOSED IMPROVEMENTS.
 - ⑤ REMOVE EXISTING SIGN, POST, AND FOUNDATION AND SALVAGE EXISTING SIGN AS NEEDED TO FACILITATE THE PROPOSED IMPROVEMENTS. DISPOSE OF UNUSED MATERIALS.

- KEYNOTES:**
- ⑰ TYPE 'A' CURB AND GUTTER IN ACCORDANCE WITH MARIN COUNTY UNIFORM CONSTRUCTION STANDARD 105.
 - ⑱ EXPOSED AGGREGATE PEDESTRIAN CONCRETE FLATWORK WITH SLOPES HAVING A CROSS SLOPE WHICH DOES NOT EXCEED 2-PERCENT.
 - ⑳ ADJUST EXISTING UTILITY TO FINISHED GROUND SURFACE ELEVATION.
 - ㉟ EXISTING SIGN PANEL AND NEW POST IN FOUNDATION IN ACCORDANCE WITH MARIN COUNTY UNIFORM CONSTRUCTION STANDARD 310.

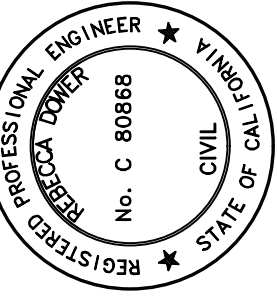




- KEYNOTES:**
- ⑩ GRIND EXISTING ASPHALT CONCRETE AS REQUIRED TO PROVIDE AN EVEN SURFACE FOR GRAVELPAVE SURFACING HAVING A MINIMUM THICKNESS OF 1-INCH IN A MANNER WHICH GENERATES A UNIFORM TRANSITION BETWEEN SURFACES AND DOES NOT IMPEDE DRAINAGE.
 - ③⁹ PLACE AND COMPACT PAVEMENT GRINDINGS ON TOP OF EXISTING ASPHALT TO CREATE A LEVEL SUBGRADE SURFACE FOR GRAVELPAVE PLACEMENT.

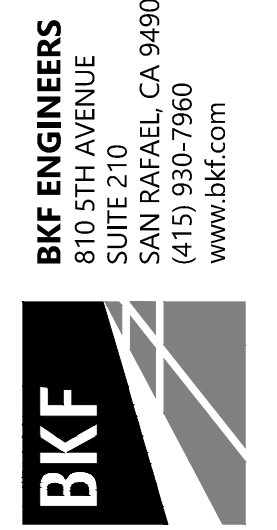


Plot: Jul 06, 2024 at 10:35am



BKF ENGINEERS
810 5TH AVENUE
SUITE 210
SAN RAFAEL, CA 94901
(415) 930-7960
www.bkf.com

REBECCA DOWER
7/9/2024
C 80868



FERRY LANDSIDE IMPROVEMENT PROJECT
APN 065-073-03
SAUSALITO, CALIFORNIA

**ADDITIVE ALTERNATIVE 2 - GRAVELPAVE
ACROSS TRACY WAY**

Date	07/09/2024
Revisions	
BID ADDENDUM NO. 2	
No.	
Date: JUNE 2024	
Scale: AS SHOWN	
Design: BD	
Drawn: SR	
Approved: BD	
Job No: 20191036	

Drawing Number:
C14.1
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LIGHTING FIXTURE SCHEDULE

DESCRIPTION	MANUFACTURER	LAMPS	WATTS	VOLTAGE	COLOR	MOUNTING	WEIGHT	LUMENS
LED BOLLARD 360° LIGHT DISTRIBUTION SYMMETRIC ILLUMINATION	BEGA CAT. NO. 99 570 K4 BLK	LED	14.4	120	BLACK	REFER TO DETAIL 4/E2.0	19.4 LBS	746

GENERAL NOTES:

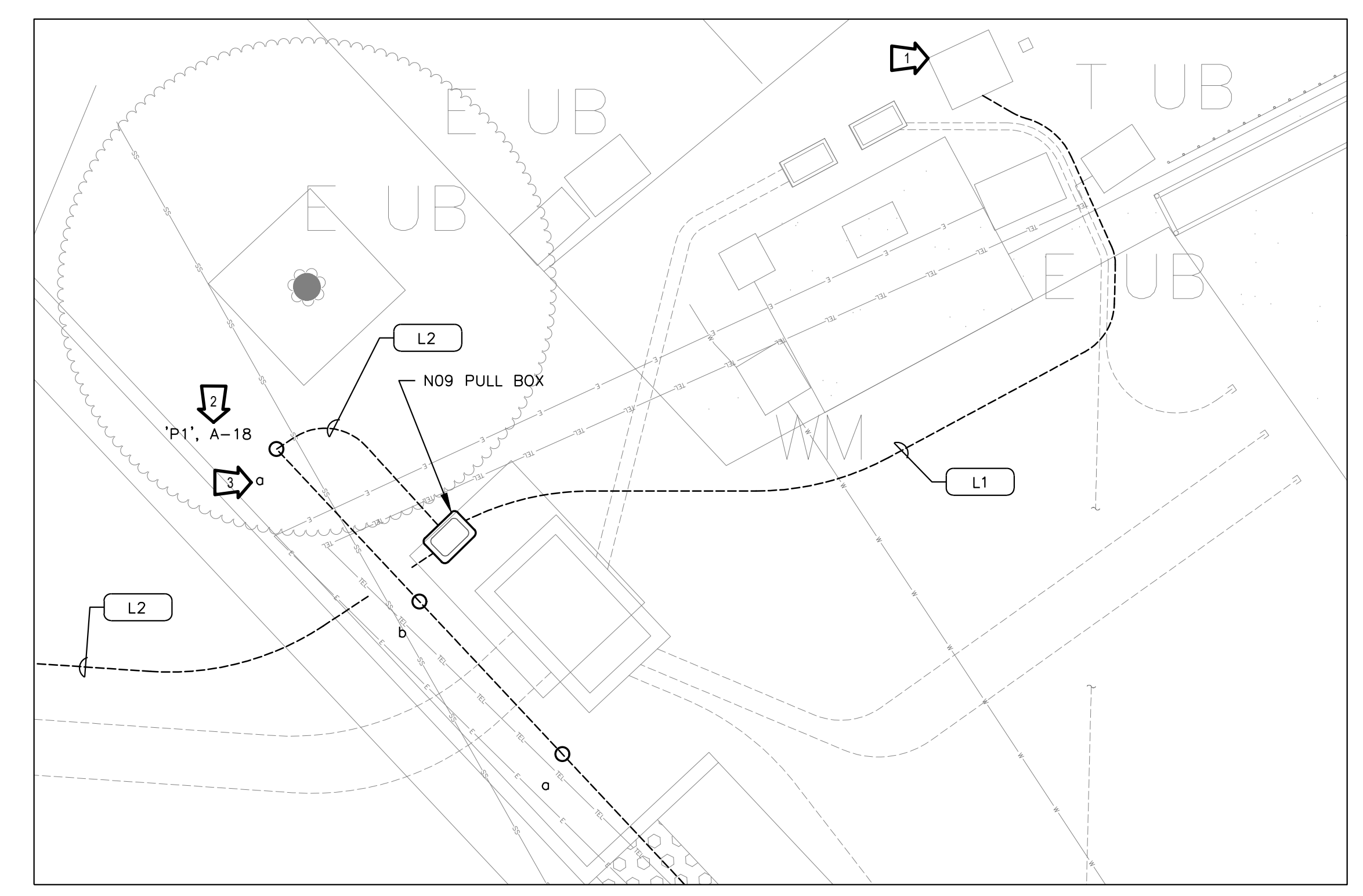
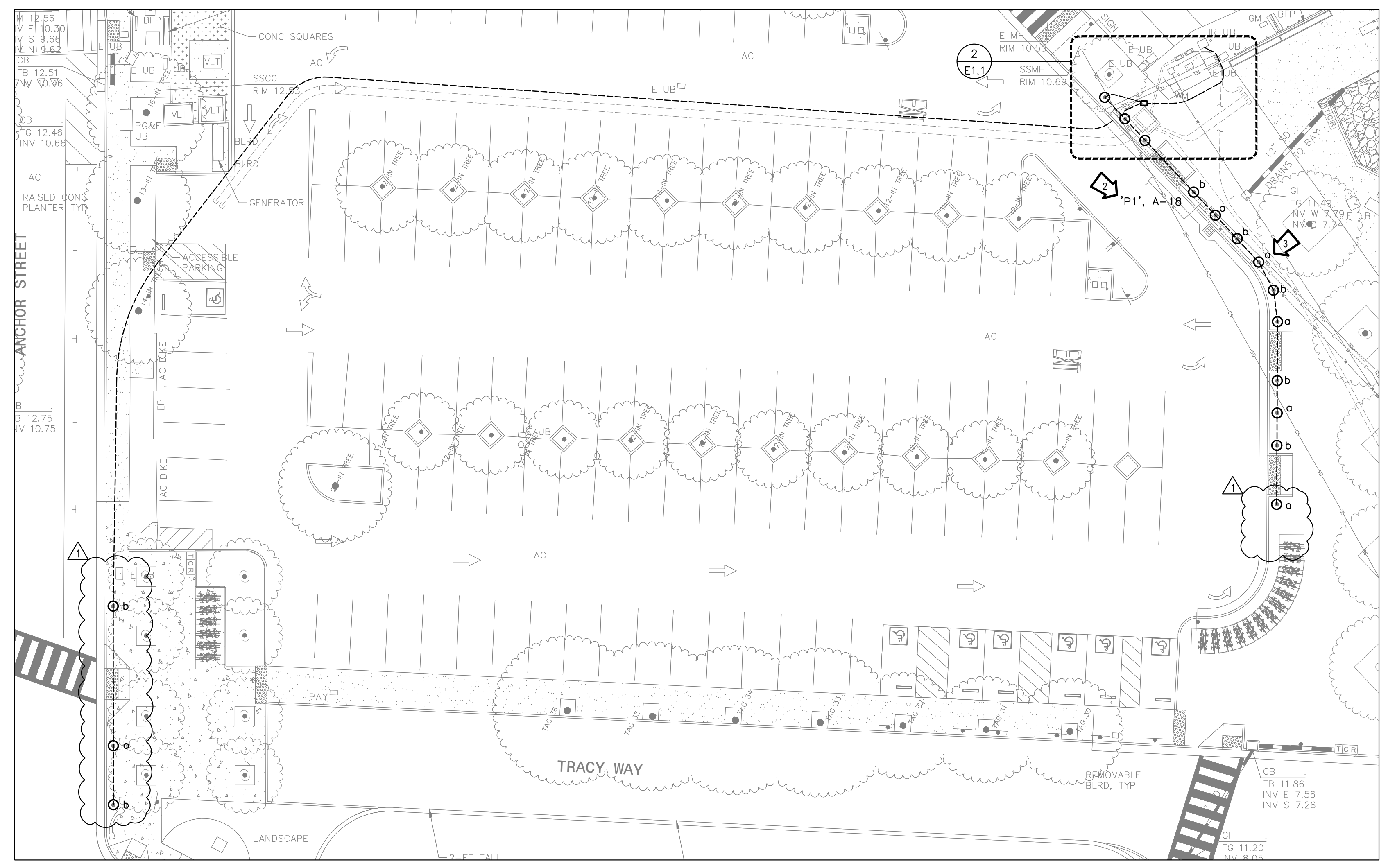
- THIS LIGHTING SCHEDULE IS NOT COMPLETE WITHOUT A COPY OF THE PROJECT MANUAL CONTAINING ELECTRICAL SPECIFICATIONS.
- SPECIFIED MANUFACTURERS ARE APPROVED TO SUBMIT BID. INCLUSION DOES NOT RELIEVE MANUFACTURER FROM SUPPLYING PRODUCT AS DESCRIBED.
- PROVIDE SUBMITTALS THAT INCLUDE LIGHTING FIXTURE, LED, AND DRIVER INFORMATION FOR EACH FIXTURE, WITH APPLICABLE OPTIONS CLEARLY CHECKED OR HIGHLIGHTED. SUBMITTALS NOT INCLUDING THIS INFORMATION WILL BE RETURNED AS REJECTED BY THE ENGINEER OF RECORD.
- PROVIDE COMMISSIONING OF THE LIGHTING AND LIGHTING CONTROLS IN ACCORDANCE WITH CALIFORNIA TITLE 24 COMMISSIONING REQUIREMENTS.

CONDUIT & WIRE ROUTING SCHEDULE

ID	CONDUITS	WIRES	EQUIP. GND.	FROM	TO
L1	1" PVC	2 #10 PWR	#10	PANEL A	N09 PULL BOX
L2	3/4" PVC	2 #10 PWR	#10	N09 PULL BOX	LIGHT BOLLARDS

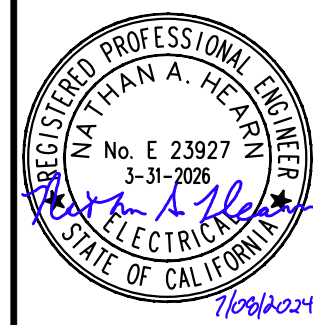
KEY NOTES

- PROVIDE 1P/2O CB FOR NEW LIGHTING CIRCUIT IN SPACE 18. MATCH ALL (E) PANEL CHARACTERISTICS INCLUDING AIC RATING. PROVIDE MULTI-RELAY TIME CLOCK EQUAL TO TORK DTS200B. MOUNT TIMECLOCK INSIDE EXISTING PANEL "A".
- LIGHTING FIXTURE 'P1' TYPICAL FOR ALL (16 LIGHT BOLLARDS) TO BE INSTALLED. LIGHTING FIXTURES WILL BE WIRED TO SPACE 18 ON PANEL "A".
- "a" AND "b" REFERS TO THE ASSIGNED CHANNEL FOR THE LIGHTING CONTROL RELAY FOR EACH FIXTURE.



1 ELECTRICAL ALTERNATE PLAN
SCALE: 1"=20'-0"
0 20' 40'

2 ENLARGED ELECTRICAL ALTERNATE PLAN
SCALE: 1/4"=1'-0"
0 2' 4' 8'

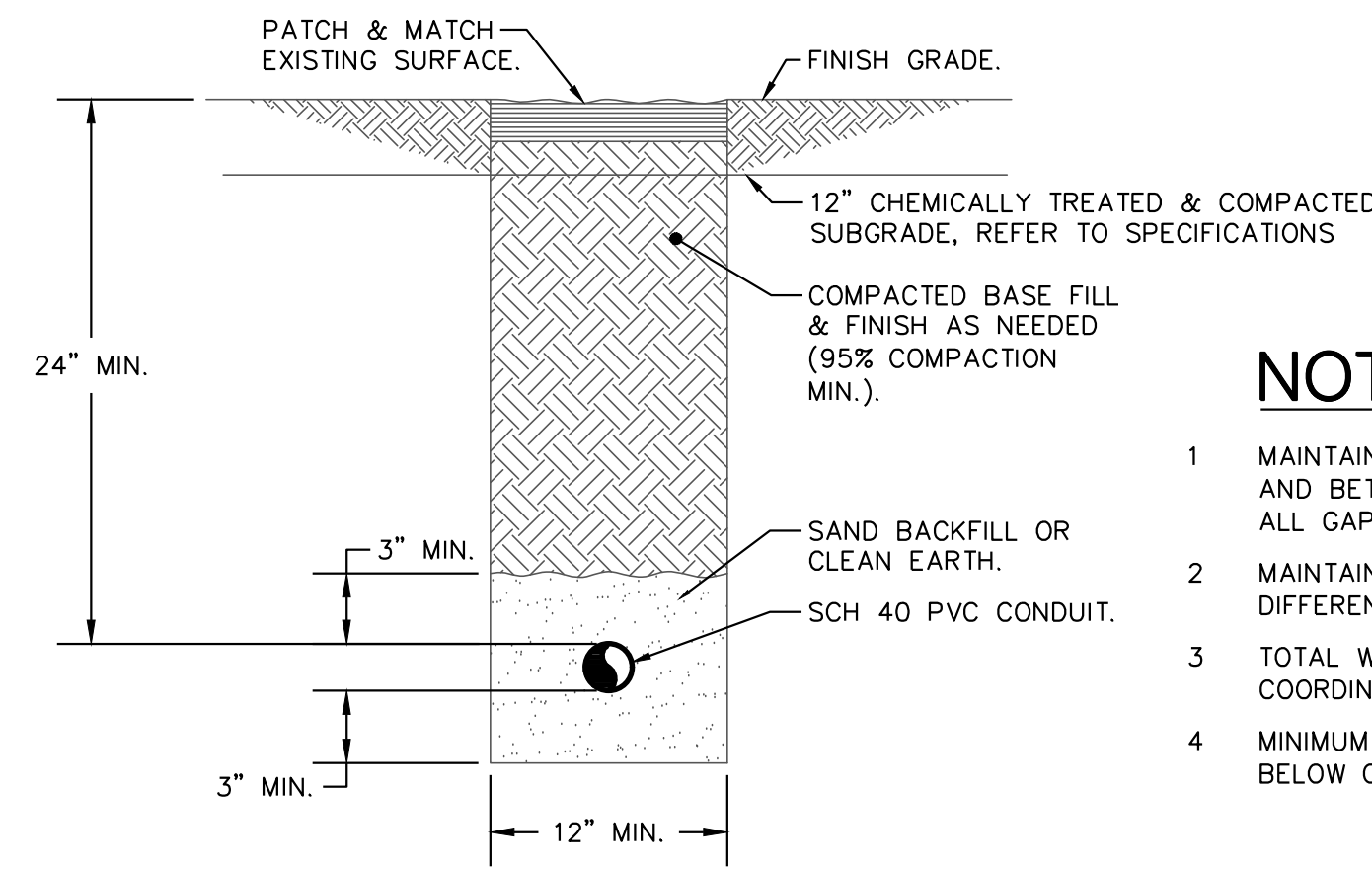


RANCHO CORDOVA, CALIFORNIA
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FERRY LANDSIDE IMPROVEMENT PROJECT
APN 065-073-03
SAUSALITO, CALIFORNIA
ELECTRICAL BID ALTERNATE 3 PLAN

No.	Revisions	Date
1	BID ADDENDUM NO. 2	07/09/2024

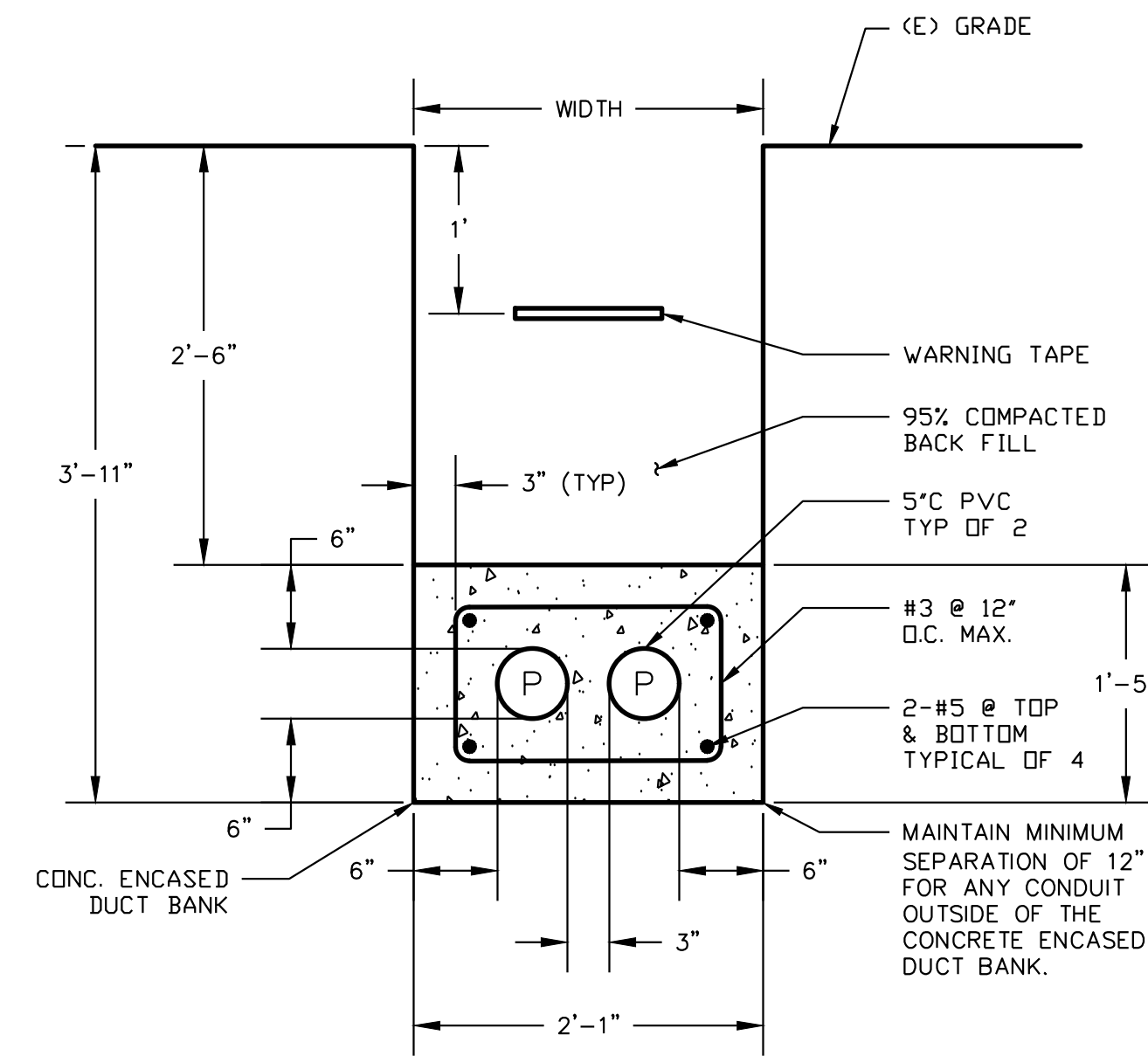
Drawing Number:
E1.1
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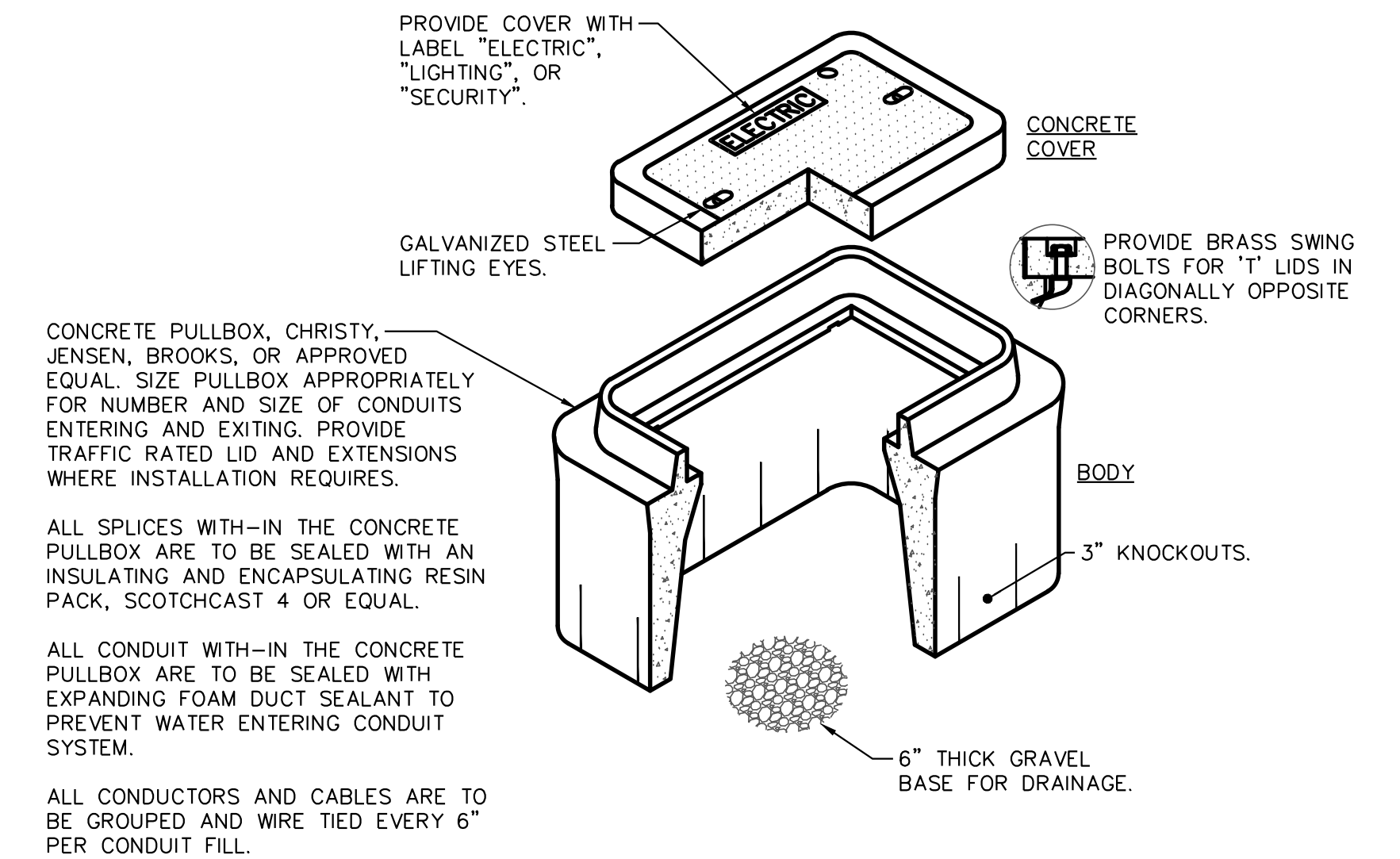
NOTES

- 1 MAINTAIN A MINIMUM OF 2" SEPARATION BETWEEN ALL CONDUITS AND BETWEEN CONDUITS AND SIDE WALL TO ALLOW SAND TO FILL ALL GAPS.
- 2 MAINTAIN A MINIMUM OF 2" SEPARATION BETWEEN CONDUITS ON DIFFERENT ROWS OR LEVELS.
- 3 TOTAL WIDTH AND DEPTH OF TRENCH SHALL BE VERIFIED AND COORDINATED ON JOB SITE.
- 4 MINIMUM DEPTH FOR POWER AND SIGNAL CONDUITS SHALL BE 24" BELOW GRADE.

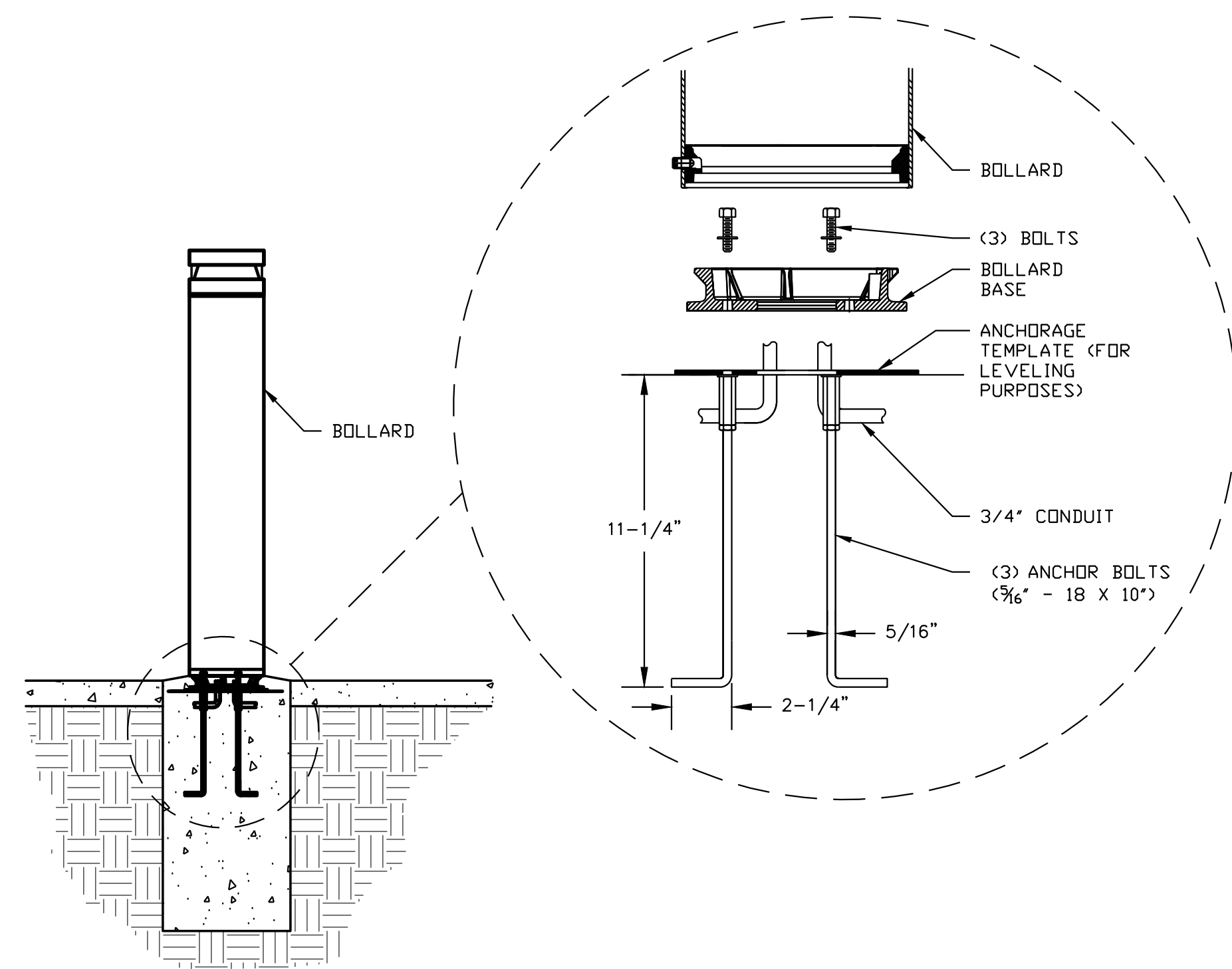
1 TYPICAL TRENCH DETAIL
NO SCALE



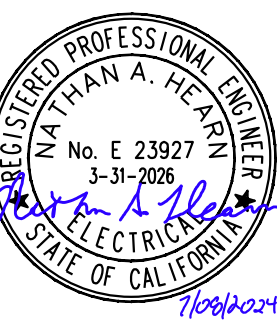
2 CONC. DUCT BANK TRENCH DETAIL
NO SCALE



3 TYPICAL CONCRETE PULLBOX DETAIL
NO SCALE



4 LIGHT BOLLARD MOUNT DETAIL
NO SCALE



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FERRY LANDSIDE IMPROVEMENT PROJECT
APN 065-073-03
SAUSALITO, CALIFORNIA
ELECTRICAL DETAILS

Date	Revisions	Date
	BID ADDENDUM NO. 2	07/09/2024

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTO-E
Project Name: Sausalito Ferry Landside Report Page: (Page 2 of 7)
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C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through N. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv						Compliance Results		
01	02	03	04	05	06	07	08	09
General Hardscape Allowance 140.7(d)1 / 170.2(e)6 (See Table I)	+ Per Application 140.7(d)2 / 170.2(e)6 (See Table J)	+ Sales Frontage 140.7(d)2 (See Table K)	+ Ornamental 140.7(d)2 / 170.2(e)6 (See Table L)	+ Per Specific Area 140.7(d)2 / 170.2(e)6 (See Table M)	OR Existing Power Allowance 141.0(b)2L / 180.2(b)4Bv (See Table N)	= Total Allowed (Watts)	≥ Total Actual (Watts)	07 must be >= 08
330	+	---	+	---	OR	330	≥	230 COMPLIES
Shielding Compliance (See Table G for Details)								N/A
Controls Compliance (See Table H for Details)								COMPLIES

D. EXCEPTIONAL CONDITIONS
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

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STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-LTO-E
Project Name: Sausalito Ferry Landside Report Page: (Page 1 of 7)
Date Prepared: 7/8/2024

A. GENERAL INFORMATION

01 Project Location (city) Sausalito 04 Total Illuminated Hardscape Area (ft²) 4140
02 Climate Zone 3
03 Outdoor Lighting Zone per Title 24 Part 10.114 or as designated by Authority Having Jurisdiction (AHJ):
 LZ-0: Very Low - Undeveloped Parkland LZ-2: Moderate - Urban Clusters LZ-4: High - Must be reviewed by CA Energy Commission for Approval
 LZ-1: Low - Rural Areas LZ-3: Moderately High - Urban Areas
05 Occupancy Types within Project
• All Other Occupancies

B. PROJECT SCOPE

This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv for alterations.

My Project Consists of:

01	02	
<input checked="" type="checkbox"/> New Lighting System	Must Comply with Allowances from 140.7 / 170.2(e)6	
<input type="checkbox"/> Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)? <input type="radio"/> Yes <input checked="" type="radio"/> No	
03	04	05
% of Existing Luminaires Being Altered ¹	Sum Total of Luminaires Being Added or Altered	Calculation Method
<input type="checkbox"/> < 10% <input type="checkbox"/> ≥ 10% and < 50% <input type="checkbox"/> ≥ 50%		

Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.
¹ FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.

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CERTIFICATE OF COMPLIANCE NRCC-LTO-E
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H. OUTDOOR LIGHTING CONTROLS

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.
Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit

Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings

01	02	03	04	05
Area Description	Shut-Off 130.2(c)1 / 160.5(c)	Auto-Schedule 130.2(c)2 / 160.5(c)	Motion Sensor 130.2(c)3 / 160.5(c)	Field Inspector
Pedestrian Hardscape	Astronomical Timer	Provided	NA: Each Luminaire ≤ 40 Watts	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

¹ FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed.
² Authority having jurisdiction may ask for cutsheets or other documentation to confirm compliance of light source.
³ Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are exempted from ii and iii.

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F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 141.0(b)2L only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H, and are not included here. All other multifamily outdoor lighting is included here.

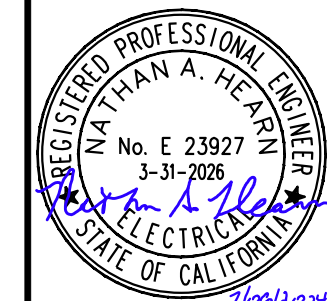
Designed Wattage:

01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description	Watts per luminaire ^{1, 2}	How is Wattage determined	Total Number Luminaires ²	Luminaire Status ³	Excluded per 140.7(a) / 170.2(e)6A	Design Watts	Cutoff Req. > 6,200 initial lumen output 130.2(b) / 160.5(c)1 ⁴	Field Inspector
P1	P1 <input type="checkbox"/> Linear	14.4	Mfr. Spec	16	New	<input type="checkbox"/>	230.4	NA: < 6200 lumens	Pass <input type="checkbox"/> Fail <input type="checkbox"/>
Total Design Watts:							230		

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue; EXCEPTION 2 to 130.2(b)
¹ FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b)
² For linear luminaires, wattage should be indicated as W/ft instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.
³ Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.
⁴ Compliance with mandatory shielding requirements is required for luminaires with initial lumen output ≥ 6,200 unless exempted by 130.2(b) / 160.5(c)

G. SHIELDING REQUIREMENTS (BUG)
This section does not apply to this project.

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 APN 065-073-03
 SAUSALITO, CALIFORNIA
TITLE 24 LTO FORMS

No.	Date	Revisions
1	07/09/2024	BID ADDENDUM NO. 2

Date: _____
Scale: _____
Design: _____
Drawn: _____
Approved: _____
Job No: _____
Drawing Number: **E3.0**
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STATE OF CALIFORNIA
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CERTIFICATE OF COMPLIANCE NRCC-LTO-E
Project Name: Sausalito Ferry Landside Report Page: (Page 6 of 7)
Date Prepared: 7/8/2024

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA
This section does not apply to this project.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)
This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCC-LTO-E - Must be submitted for all buildings

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <http://www.energy.ca.gov/title24/attcp/providers.html>

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.	Pedestrian Hardscape;

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CERTIFICATE OF COMPLIANCE NRCC-LTO-E
Project Name: Sausalito Ferry Landside Report Page: (Page 5 of 7)
Date Prepared: 7/8/2024

I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e))
This table includes areas using allowance calculations per 140.7 / 170.2(e). General Hardscape Allowance is per Table 140.7-A/170.2-R while "Use it or lose it" Allowances are per Table 140.7-B /170.2-S. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance. Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H, and are not included here. All other multifamily outdoor lighting is included here.

Area Description	Area Wattage Allowance (AWA)		Linear Wattage Allowance (LWA)			Total General AWA + LWA (Watts)
	Illuminated Area (ft ²)	Allowed Density (W/ft ²)	Perimeter Length (lf)	Allowed Density (W/lf)	Linear Allowance (Watts)	
East Walkway	2756	0.019	52.4	342	0.2	104
West Walkway	1384	0.019	26.3	0	0.2	26
Initial Wattage Allowance for Entire Site (Watts):						200
Instances of Initial Wattage Allowance (LZ 0 only)¹						
Total General Hardscape Allowance (Watts):						330

J. LIGHTING ALLOWANCE: PER APPLICATION
This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE
This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL
This section does not apply to this project.

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CERTIFICATE OF COMPLIANCE NRCC-LTO-E
Project Name: Sausalito Ferry Landside Report Page: (Page 7 of 7)
Project Address: Sausalito Ferry Landside Date Prepared: 7/8/2024

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Ryan Delsman	Documentation Author Signature: <i>RD</i>
Company: Capital Engineering Consultants Inc.	Signature Date: 2024-07-08
Address: 11020 Sun Center Drive Suite 100	CEA/HERS Certification Identification (if applicable):
City/State/Zip: Rancho Cordova CA 95670	Phone: 916-851-3537

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: Nathan Hearn	Responsible Designer Signature: <i>Nathan Hearn</i>
Company: Capital Engineering Consultants Inc.	Date Signed: 2024-07-08
Address: 11020 Sun Center Drive Suite 100	License: E23927
City/State/Zip: Rancho Cordova CA 95670	Phone: 916-851-3568

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