



CITY OF STOCKTON

PUBLIC WORKS DEPARTMENT

22 East Weber Avenue, Room 301 • Stockton, CA 95202-2317 • 209 / 937-8411 • Fax 209 / 937-8277
www.stocktonca.gov

LETTER OF CLARIFICATION NO. 2

MCKINLEY PARK RENOVATION PROJECT NO. WR21017

TO ALL PROSPECTIVE BIDDERS

DATE: November 7, 2023

Letter of Clarification No. 1 for the above project consists of the following:

1. This acknowledgement form (see important notice at the end of this document).

NOTICE TO CONTRACTORS

2. The "Bid Opening Date" has been updated to the following:

"Thursday, November 16, 2023, 2:00 p.m."

City Hall, Clerk's Office
425 N. El Dorado Avenue
Stockton, CA 95202

PLANS

3. Sheet CG201 Grading Plan "Grant Base Note":
 - a. **ADD "TCC Grant Base"** to note label per attached revised sheet CG201
4. Sheet PL1.1 Planting Plan
 - a. **ADD Note "TCC GRANT BASE BID ITEM: INSTALL NEW TURF FROM SOD IN THE AREA SHOWN"** per attached revised sheet PL1.1.
5. Sheet IR 1.0 Detail 1
 - a. **ADD Detail 1**, refer to attached revised sheet IR1.0 which adds detail for wall mounted irrigation controller. Photo of existing Controller A installation provided for reference.
6. Sheet IR 1.0 Irrigation Legend "Gate Valve"
 - a. **REVISE** the legend note for Gate Valve description to read: **"GATE VALVE: SIZE PER LINE, NIBCO T-113K FOR SIZES UP TO 3", NIBCO P-619-RW FOR SIZES OVER 3"** per attached revised sheet IR1.0.



7. Sheet IR 1.0 Irrigation Legend

- a. **REVISE** the irrigation mainline description to read: **"IRRIGATION MAINLINE: PIPE SMALLER THAN 2" SHALL BE SCH 40 PVC, PIPES 2"-3" SHALL BE CLASS 315 SOLVENT WELD, PIPES OVER 3" SHALL BE CLASS 200 BELL AND GASKET"** per attached revised sheet IR1.0.

8. Sheet IR 1.1 Keynote I-101

- a. **REVISE** the keynote pointing description to read: **"I-101 I-103"** per attached revised sheet IR1.1.

9. Sheet IR1.3 Mainline Pipe from Backflow Preventer to Booster Pump

- a. **REPLACE** with the attached revised Sheet IR1.3, which changes the mainline pipe between existing below ground double check valve and pump building to show as existing 8" pipe.

SPECIFICATIONS

1. Pages SP206-207, Section 10 28 00, Part 3 "TOILET AND BATH ACCESSORIES"

REVISE Part 3.03 – "TOILET AND BATH ACCESORY SCHEDULE" to read:

~~A. Combination Towel Dispenser/Waste Receptacle, B-3803 (1 per restroom):~~

- ~~1. Recessed Type: Designed for nominal 6-inch (100-mm) wall depth with continuous, seamless wall flange; towel dispenser in unit's upper compartment designed to dispense minimum of 600 C-fold or 800 multifold paper towels; waste receptacle in unit's lower compartment with minimum 6-gal. capacity, reusable, vinyl liner; and flush doors on upper and lower compartments with continuous hinges and tumbler locksets.~~

A. Surface Mounted Automatic Hand Dryer, B-7179 (1 per restroom):

- 1. Surface Mounted: Less than 4" protrusion from wall; automatic infrared, no-touch system. CULus-listed and CE-marked.**

B. Grab Bars, B-6806:

1. Stainless-Steel Nominal Thickness: Minimum 0.05 inch (1.3 mm).
2. Mounting: Concealed with manufacturer's standard flanges and anchors.
3. Gripping Surfaces: Manufacturer's standard slip-resistant texture.
4. Outside Diameter: 1-1/2 inches (38 mm) for heavy-duty applications.

- C. Mop and Broom Holder, B-239 (1 per ea. Janitor Room):
 - 1. Mop and Broom Holder with Utility Shelf: 36-inch- (914-mm-) long unit fabricated of minimum nominal 0.05-inch- (1.3-mm-) thick stainless steel with shelf; support brackets for wall mounting; three hooks for wiping rags; four spring-loaded, rubber hat, cam-type, mop/broom holders mounted on front of shelf; and approximately 1/4-inch- (6-mm-) diameter, stainless-steel rod suspended beneath shelf for drying rags.
- D. Toilet Tissue Dispenser, B-2888 (1 per each toilet stall).
- E. Toilet Seat Cover Dispenser, B-221 (1 per each toilet stall).
- F. Sanitary Napkin Receptacle, B-254 (1 per each women's toilet stall).
- G. Soap Dispenser, ~~B-8224~~ **B-26607** (1 per each lavatory basin).
- H. Baby Changing Station, B-2210, with paper liners, part No. 2210-40, (1 per each restroom).
- I. Folding Shower Seat, B-5181 (1 per each ADA shower stall).**
- J. Frameless Stainless-Steel Mirror, B-1556 (1830 Series: 17 ½ inch x 29 ½ inch; 1 per each lavatory basin).**
- K. Stainless Steel Heavy-Duty Shower Curtain Rod, B-6107 x 36 (1-inch diameter; 1 per each standard shower stall).**
- L. Stainless Steel Heavy-Duty Shower Curtain Rod, B-6107 x 60 (1-inch diameter; 1 per each ADA shower stall).**
- M. Shower Curtain, 204-3 (70-inch x 72-inch, 1 per each ADA shower stall).**
- N. Shower Curtain, 204-2 (42-inch x 72-inch, 1 per each standard shower stall).**
- O. Shower Curtain Hooks 204-1 (1 inch diameter model; 12 per each 204-3 curtain rod, 7 per each 204-2 curtain rod).**

Letter of Clarification No. 2
McKinley Park Renovation
Project No. WR21017
November 7, 2023
Page 4

QUESTIONS & ANSWERS:

10. Please review all questions and answers for this project.

JODI ALMASSY, DIRECTOR
PUBLIC WORKS DEPARTMENT



ERIC ALVAREZ
DEPUTY PW DIRECTOR/CITY ENGINEER

JLA:EA:WJ:JL:IR:cal

NOTICE: THIS FORM MUST BE SIGNED AND RETURNED WITH YOUR PROPOSAL. FAILURE TO INCLUDE OR ACKNOWLEDGE A CLARIFICATION MAY RESULT IN THE PROPOSAL BEING REJECTED AS NOT RESPONSIVE.

CONTRACTOR: _____

CONTRACTOR SIGNATURE: _____

DATE: _____

SECTION 10 28 00**TOILET AND BATH ACCESSORIES****PART 1 - GENERAL**

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.02 SUMMARY

- A. This Section includes the following:
 - 1. Toilet and bath accessories.
- B. Related Sections include the following:
 - 1. Division 10 Section "Toilet Compartments" for compartments and screens.

1.03 SUBMITTALS

- A. Product Data: Include construction details, material descriptions and thicknesses, dimensions, profiles, fastening and mounting methods, specified options, and finishes for each type of accessory specified.
- B. Product Schedule: Indicating types, quantities, sizes, and installation locations by room of each accessory required. Use designations indicated in the Toilet and Bath Accessory Schedule and room designations indicated on Drawings in product schedule.

1.04 QUALITY ASSURANCE

- A. Source Limitations: Provide products of same manufacturer for each type of accessory unit and for units exposed to view in same areas, unless otherwise approved by Architect.
- B. Product Options: Accessory requirements, including those for materials, finishes, dimensions, capacities, and performance, are established by specific products indicated in the Toilet and Bath Accessory Schedule.
 - 1. Other manufacturers' products with equal characteristics may be considered. See Division 1 Section "Substitution Procedures."
 - 2. Do not modify aesthetic effects, as judged solely by Architect, except with Architect's approval. Where modifications are proposed, submit comprehensive explanatory data to Architect for review.

1.05 COORDINATION

- A. Coordinate accessory locations with other Work to prevent interference with clearances required for access by disabled persons, proper installation, adjustment, operation, cleaning, and servicing of accessories.
- B. Deliver inserts and anchoring devices set into concrete or masonry as required to prevent delaying the Work.

1.06 WARRANTY

- A. General Warranty: Special warranty specified in this Article shall not deprive County of other rights County may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.
- B. Manufacturer's Mirror Warranty: Written warranty, executed by mirror manufacturer agreeing to replace mirrors that develop visible silver spoilage defects within minimum warranty period indicated.
 - 1. Minimum Warranty Period: 15 years from date of Project Acceptance.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. Bobrick Washroom Equipment, Inc. (Model numbers indicated)
- B. American Specialities, Inc
- C. Bradley Corporation
- D. Or approved equal.

2.02 MATERIALS

- A. Stainless Steel: ASTM A 666, Type 304, with No. 4 finish (satin), in 0.0312-inch (0.8-mm) minimum nominal thickness, unless otherwise indicated.
- B. Brass: ASTM B 19, leaded and unleaded flat products; ASTM B 16 (ASTM B 16M), rods, shapes, forgings, and flat products with finished edges; ASTM B 30, castings.
- C. Sheet Steel: ASTM A 366/A 366M, cold rolled, commercial quality, 0.0359-inch (0.9-mm) minimum nominal thickness; surface preparation and metal pretreatment as required for applied finish.
- D. Galvanized Steel Sheet: ASTM A 653/A 653M, G60 (Z180).
- E. Chromium Plating: ASTM B 456, Service Condition Number SC 2 (moderate service), nickel plus chromium electrodeposited on base metal.
- F. Baked-Enamel Finish: Factory-applied, gloss-white, baked-acrylic-enamel coating.

- G. Mirror Glass: ASTM C 1036, Type I, Class 1, Quality q2, nominal 6.0 mm thick, with silvering, electroplated copper coating, and protective organic coating complying with FS DD-M-411.
- H. Galvanized Steel Mounting Devices: ASTM A 153/A 153M, hot-dip galvanized after fabrication.
- I. Fasteners: Screws, bolts, and other devices of same material as accessory unit, tamper and theft resistant when exposed, and of galvanized steel when concealed.

2.03 FABRICATION

- A. General: One, maximum 1-1/2-inch- (38-mm-) diameter, unobtrusive stamped manufacturer logo, as approved by Architect, is permitted on exposed face of accessories. On interior surface not exposed to view or back surface of each accessory, provide printed, waterproof label or stamped nameplate indicating manufacturer's name and product model number.
- B. General: Names or labels are not permitted on exposed faces of accessories. On interior surface not exposed to view or on back surface of each accessory, provide printed, waterproof label or stamped nameplate indicating manufacturer's name and product model number.
- C. Surface-Mounted Toilet Accessories: Unless otherwise indicated, fabricate units with tight seams and joints, and exposed edges rolled. Hang doors and access panels with continuous stainless-steel hinge. Provide concealed anchorage where possible.
- D. Recessed Toilet Accessories: Unless otherwise indicated, fabricate units of all-welded construction, without mitered corners. Hang doors and access panels with full-length, stainless-steel hinge. Provide anchorage that is fully concealed when unit is closed.
- E. Keys: Provide universal keys for internal access to accessories for servicing and resupplying. Provide minimum of six keys to County's representative.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Install accessories according to manufacturers' written instructions, using fasteners appropriate to substrate indicated and recommended by unit manufacturer. Install units level, plumb, and firmly anchored in locations and at heights indicated.
- B. Secure mirrors to walls in concealed, tamper-resistant manner with special hangers, toggle bolts, or screws. Set units level, plumb, and square at locations indicated, according to manufacturer's written instructions for substrate indicated.

- C. Install grab bars to withstand a downward load of at least 250 lbf (1112 N), when tested according to method in ASTM F 446.

3.02 ADJUSTING AND CLEANING

- A. Adjust accessories for unencumbered, smooth operation and verify that mechanisms function properly. Replace damaged or defective items.
- B. Remove temporary labels and protective coatings.
- C. Clean and polish exposed surfaces according to manufacturer's written recommendations.

3.03 TOILET AND BATH ACCESSORY SCHEDULE

- A. Surface Mounted Automatic Hand Dryer, B-7179 (1 per restroom):**
 - 1. Surface Mounted: Less than 4" protrusion from wall; automatic infrared, no-touch system. CULus-listed and CE-marked**
- B. Grab Bars, B-6806:
 - 1. Stainless-Steel Nominal Thickness: Minimum 0.05 inch (1.3 mm).
 - 2. Mounting: Concealed with manufacturer's standard flanges and anchors.
 - 3. Gripping Surfaces: Manufacturer's standard slip-resistant texture.
 - 4. Outside Diameter: 1-1/2 inches (38 mm) for heavy-duty applications.
- C. Mop and Broom Holder, B-239 (1 per ea Janitor Room):
 - 1. Mop and Broom Holder with Utility Shelf: 36-inch- (914-mm-) long unit fabricated of minimum nominal 0.05-inch- (1.3-mm-) thick stainless steel with shelf; support brackets for wall mounting; three hooks for wiping rags; four spring-loaded, rubber hat, cam-type, mop/broom holders mounted on front of shelf; and approximately 1/4-inch- (6-mm-) diameter, stainless-steel rod suspended beneath shelf for drying rags.
- D. Toilet Tissue Dispenser, B-2888 (1 per each toilet stall)
- E. Toilet Seat Cover Dispenser, B-221 (1 per each toilet stall)
- F. Sanitary Napkin Receptacle, B-254 (1 per each women's toilet stall)
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END OF SECTION 10 28 00

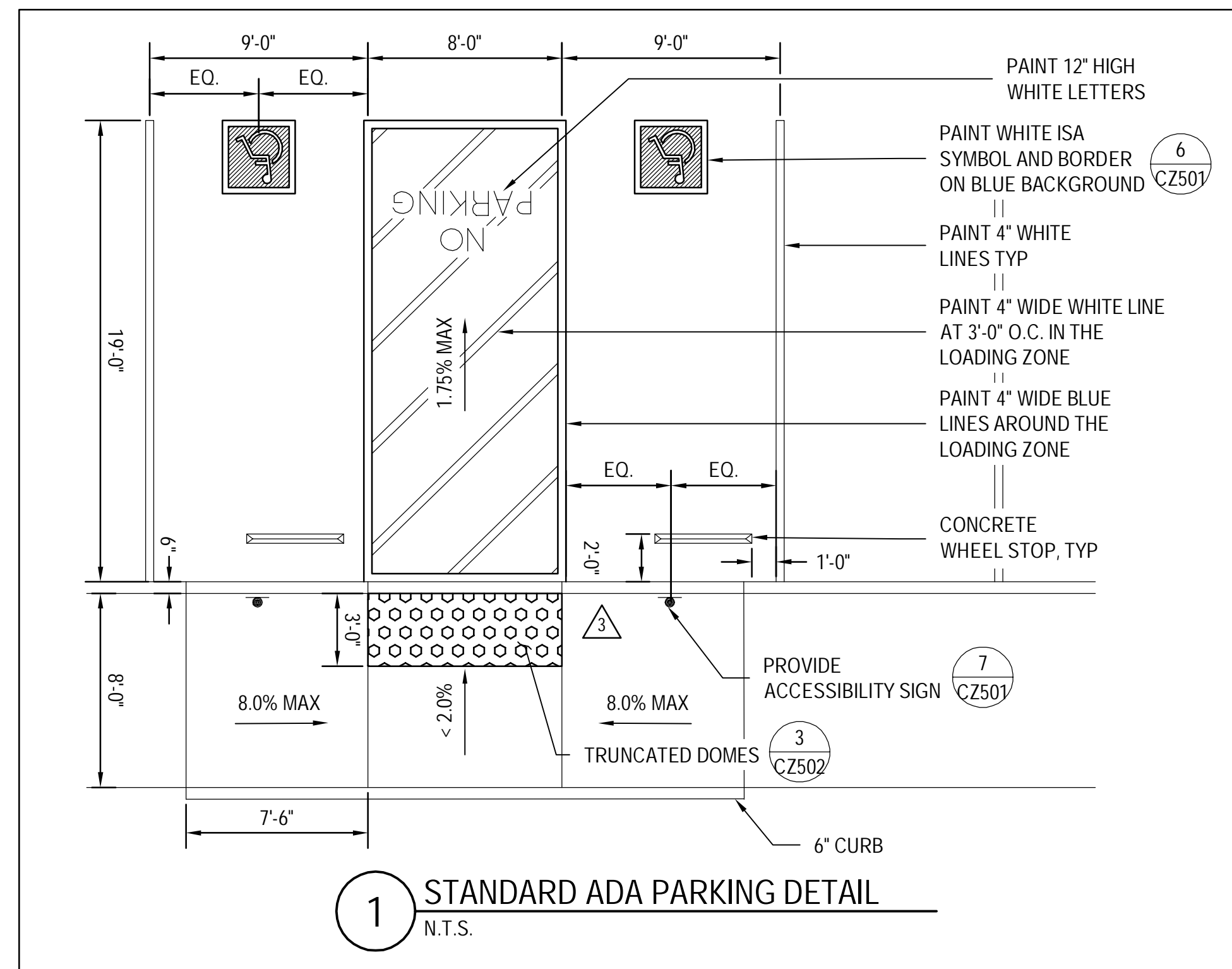
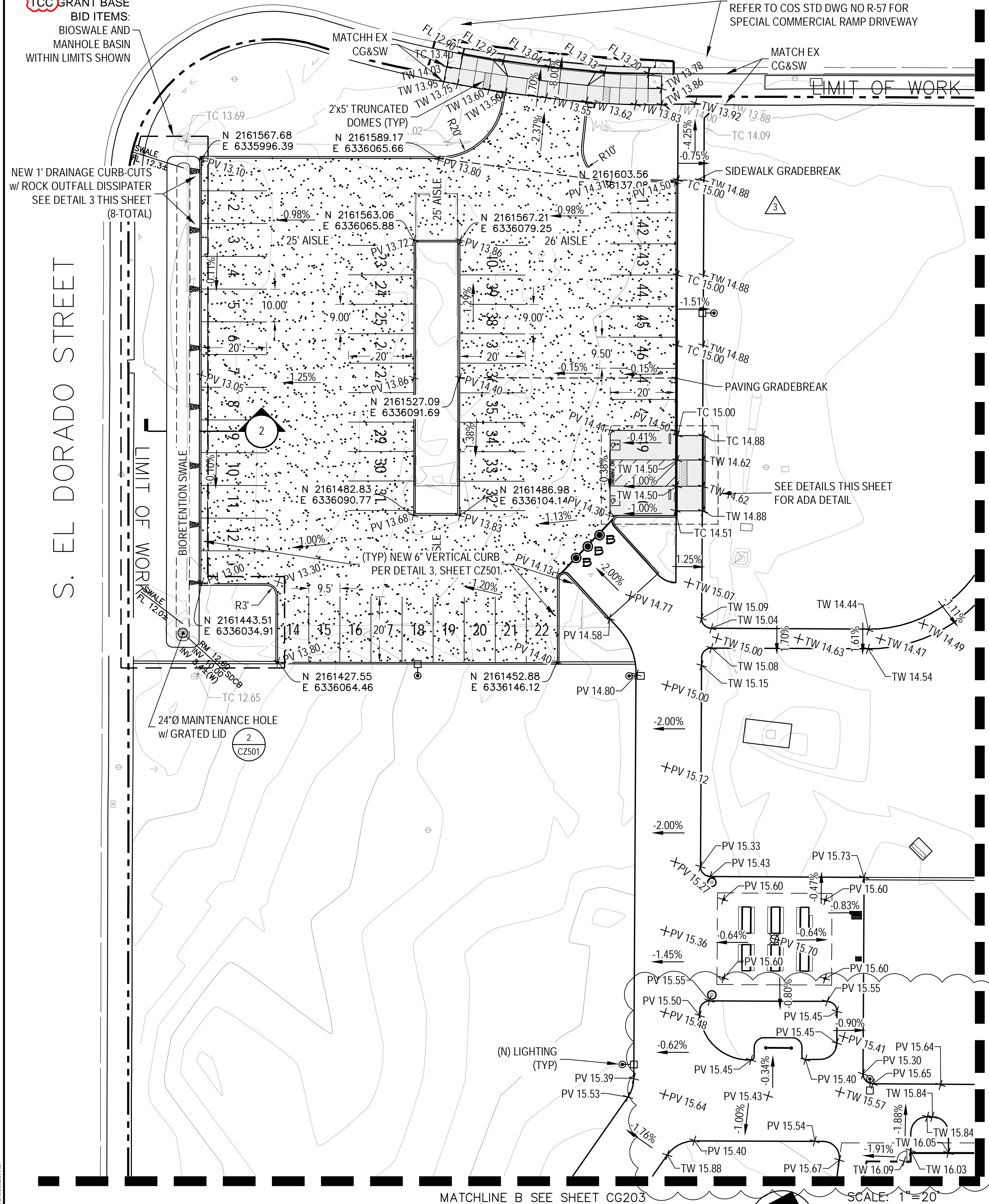
TCC GRANT BASE BID ITEMS:
BIOSWALE AND MANHOLE BASIN WITHIN LIMITS SHOWN

S. EL DORADO STREET

E. 8TH STREET

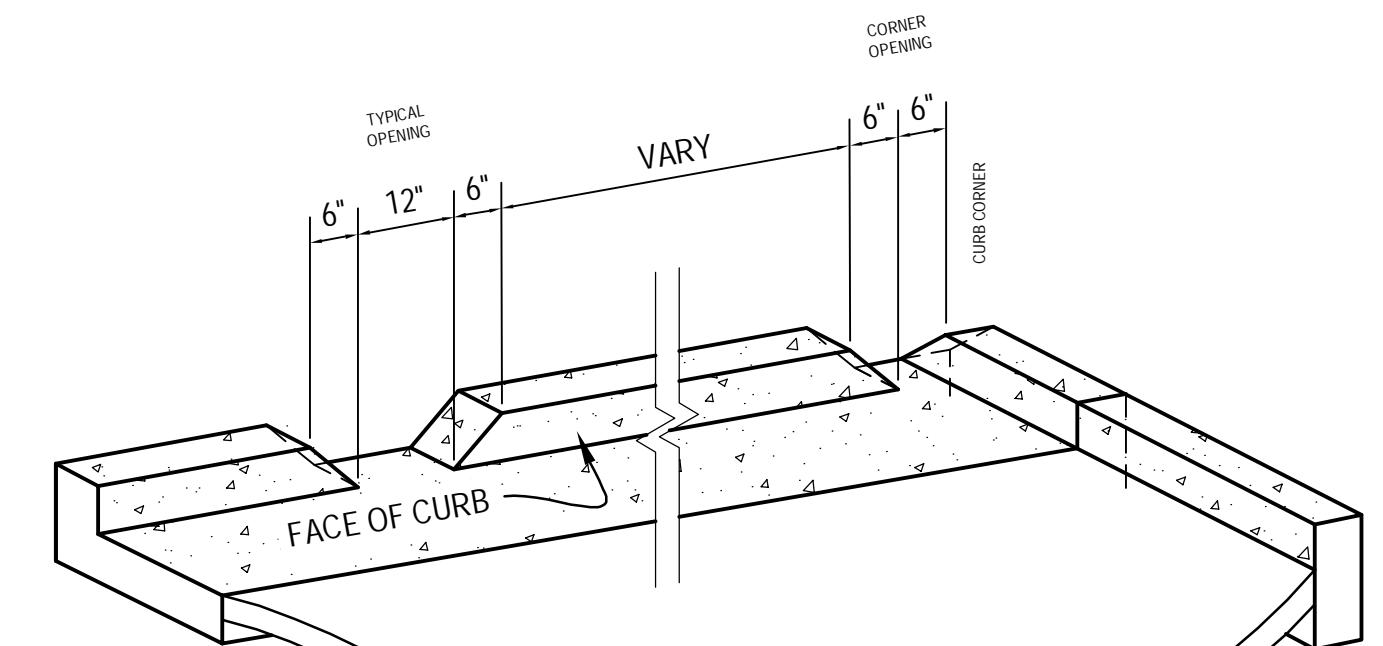
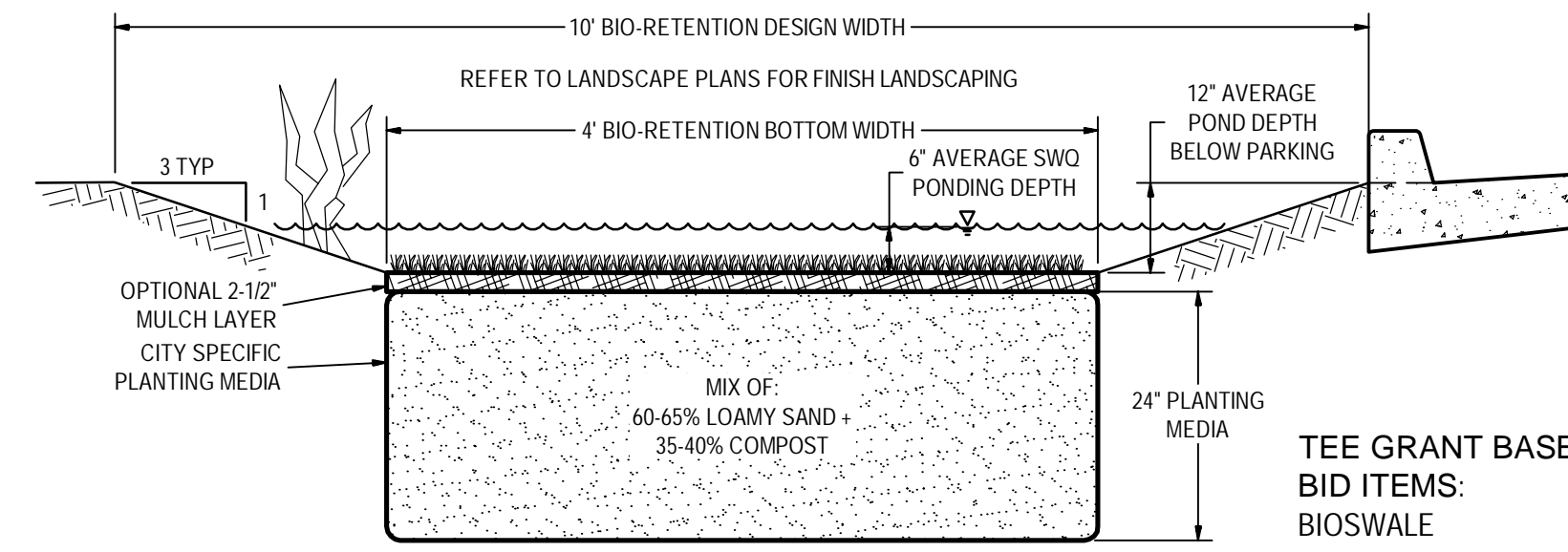
WORK WITHIN THE RIGHT OF WAY REQUIRES AN ENCROACHMENT PERMIT REFER TO COS STD DWG NO R-57 FOR SPECIAL COMMERCIAL RAMP DRIVEWAY

LIMIT OF WORK



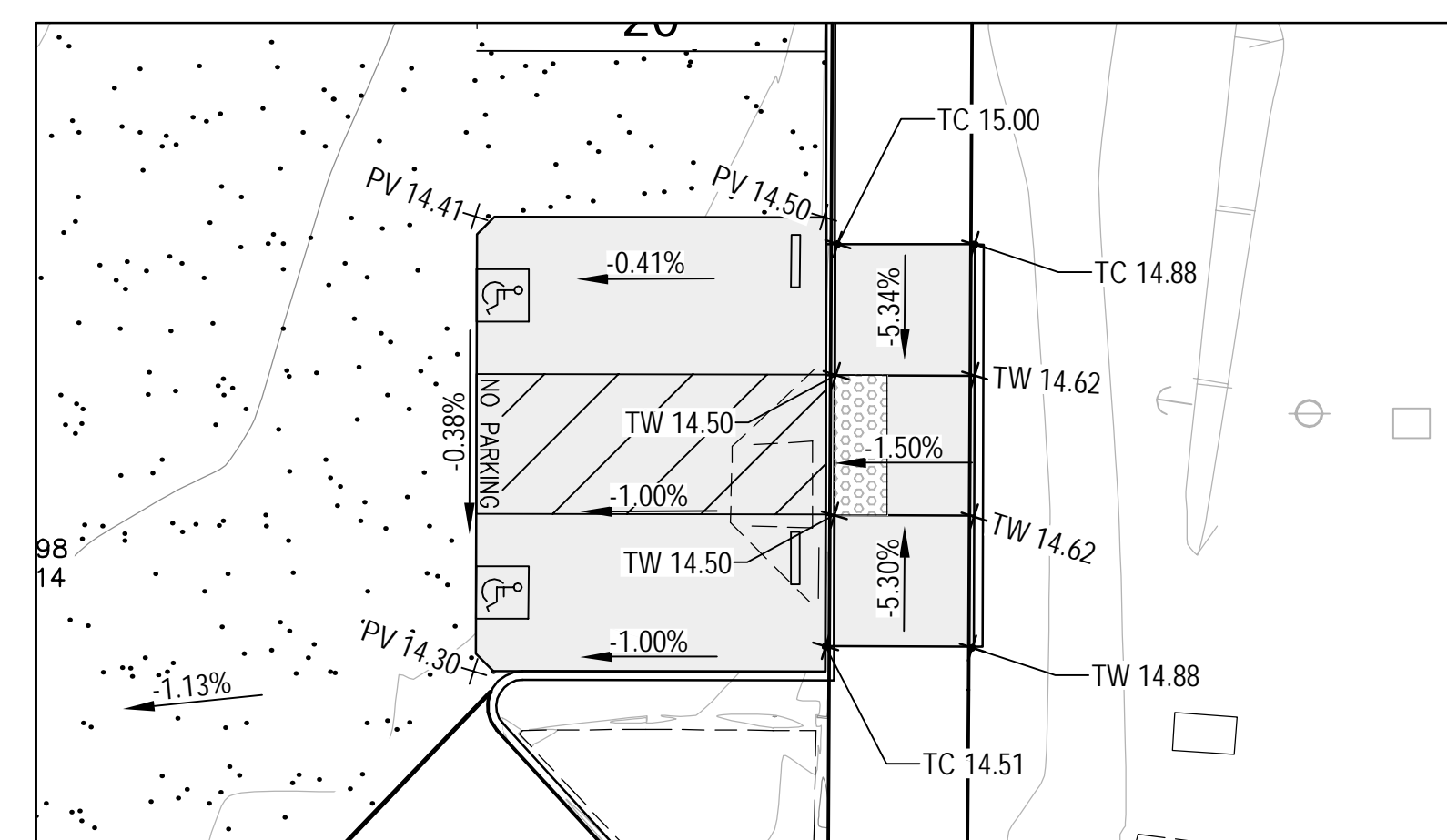
GENERAL GRADING NOTES:

- 1 ALL ELEVATIONS IN PAVED AREAS REFERENCE FINISHED PAVING ELEVATION, OR AS OTHERWISE NOTED.
- 2 ALL NEW WALKS SHALL HAVE CROSS-SLOPES LESS THAN 2.0%.
- 3 ALL NEW WALKS SHALL HAVE LONGITUDINAL SLOPES LESS THAN 5.0%.
- 4 WHERE A NEW WALK MEETS AN EXISTING WALK WITH A CROSS-SLOPE STEEPER THAN 2.0%, CONTRACTOR SHALL REMOVE UP TO A MAXIMUM OF 10 ADDITIONAL FEET OF EXISTING WALK AND REPLACE WITH A SMOOTH TRANSITION WALK. AT THE DISCRETION OF THE LOCAL AGENCY, A FEATHER-FILL ASPHALT TRANSITION MAY BE USED IN LIEU OF CONSTRUCTING THE TRANSITION WALK.
- 5 DESIGNATED ACCESSIBLE PARKING AREAS SHALL HAVE SLOPES LESS THAN 2.00% IN ANY DIRECTION.
- 6 UNLESS OTHERWISE DIRECTED BY THE ARCHITECT, EXTERIOR GRADES AT ENTRANCE DOORS SHALL BE LESS THAN 1/4-INCH FROM BUILDING FINISH FLOOR ELEVATION AND HAVE LANDINGS WITH SLOPES LESS THAN 2.0% IN ANY DIRECTION.
- 7 CONTRACTOR SHALL REGRADE AND BLEND ALL SURROUNDING AREAS FOR SMOOTH TRANSITIONS WITH NEW IMPROVEMENTS.
- 8 ALL VERTICAL CURBS AND WALKS ARE 6-INCHES IN HEIGHT EXCEPT WHERE SHOWN OTHERWISE.
- 9 SUBGRADE COMPACTIONS SHALL MEET THE REQUIREMENTS IN THE GEOTECHNICAL REPORT.



2 BIO-RETENTION SWALE TYPICAL SECTION N.T.S.

3 CURB-CUT OPENINGS N.T.S.

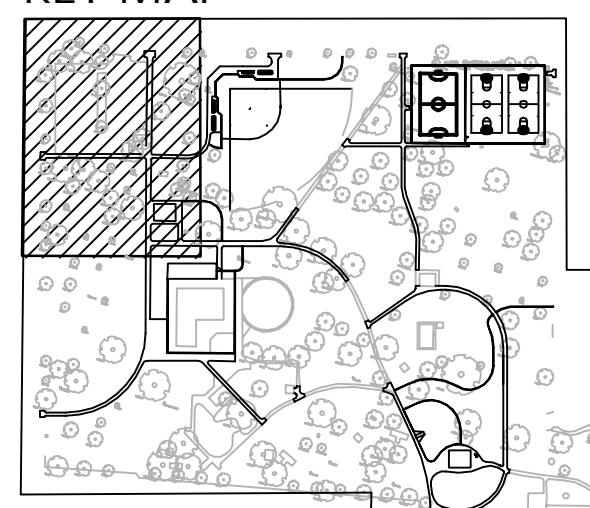


4 ADA PARKING DETAIL SCALE: 1" = 10'

GRADING ABBREVIATIONS:
(SUPERCEDES TITLE SHEET)

- BW BACK OF WALK
- EC EDGE OF CONCRETE
- EG EXISTING GRADE/GROUND
- EP EDGE OF PAVEMENT
- FF FINISHED FLOOR
- FG FINISHED GRADE
- FL FLOW LINE
- GB GRADE BREAK
- GR GRATE
- HP HIGH POINT
- INV INVERT
- LC LIP OF CONCRETE
- LP LOW POINT
- PV PAVEMENT
- RM RIMLID/COVER
- TC TOP OF CURB/CONCRETE
- TD TOP OF DRIVE
- TS TOP OF SLAB
- TW TOP OF WALK/WALL

KEY MAP



LEGEND

- NEW ASPHALT CONCRETE, SEE DETAIL 8, SHEET CZ501
- NEW PORTLAND CEMENT CONCRETE, SEE DETAILS AND STANDARD DRAWINGS

COORDINATES, BEARINGS, AND DISTANCES ARE BASED ON THE NORTH AMERICAN DATUM OF 1983 (NAD83) CONVERTED TO THE CALIFORNIA COORDINATE SYSTEM OF 1983, CCS83, ZONE 3 (1991.35 EPOCH), AS REFERENCED BY AVAILABLE CITY OF STOCKTON PUBLISHED CONTROL MONUMENTS. ALL DISTANCES ARE GRID. GROUND DISTANCES MUST BE MULTIPLIED BY A COMBINED SCALE FACTOR (CSF) OF 0.999938366 TO OBTAIN GRID DISTANCES. ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). UNITS SHOWN ARE BASED ON THE U.S. SURVEY FOOT. A CONVERGENCE ANGLE OF -0°28'45.5" AND THE CSF WERE DETERMINED AT CONTROL POINT 31.

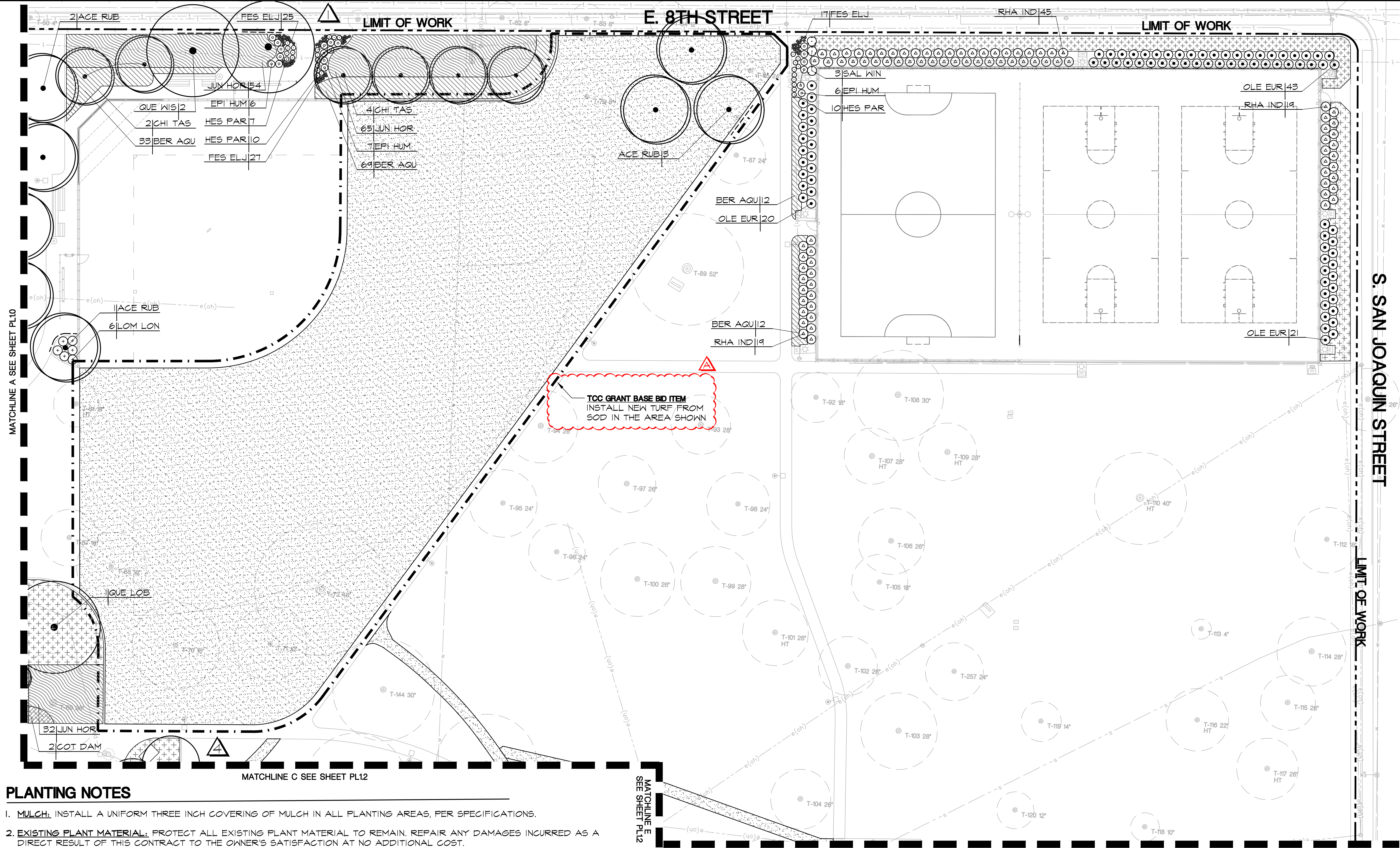
KJELDOSEN SINNOCK NEUDECK
711 N. Pershing Avenue
Stockton, CA 95203
209-946-0268
1560 Harbor Blvd., Suite 212
West Sacramento, CA 95691
916-403-5900
CONTACT 811 BEFORE YOU DIG
811
SAFE DIGGING ALERT

CALLA
12150 Tributary Point Drive, Suite 140
Gold River, CA 95670
T 916.985.4366
www.callanderassociates.com
JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK AND POOL RENOVATION
GRADING PLAN 1

Revision No.	Description	Date	By	Aprvd. By
1	LOC #2	10-25-2023	PX	JDK
2	CITY REVISIONS	4-13-2023	PX	JDK
3	Response to Permit Cyc-3 Comments	3-3-2023	PX	JDK
4	Response to Permit Cyc-2 Comments	12-22-2022	PX	JDK

SCALE	AS SHOWN	APPROVED BY:	SHEET NO.
DESIGNED BY	JDK	DATE	CG201
DRAWN BY	PX		OF X SHTS
CHECKED BY	SKS	CITY ENGINEER	WR21017
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

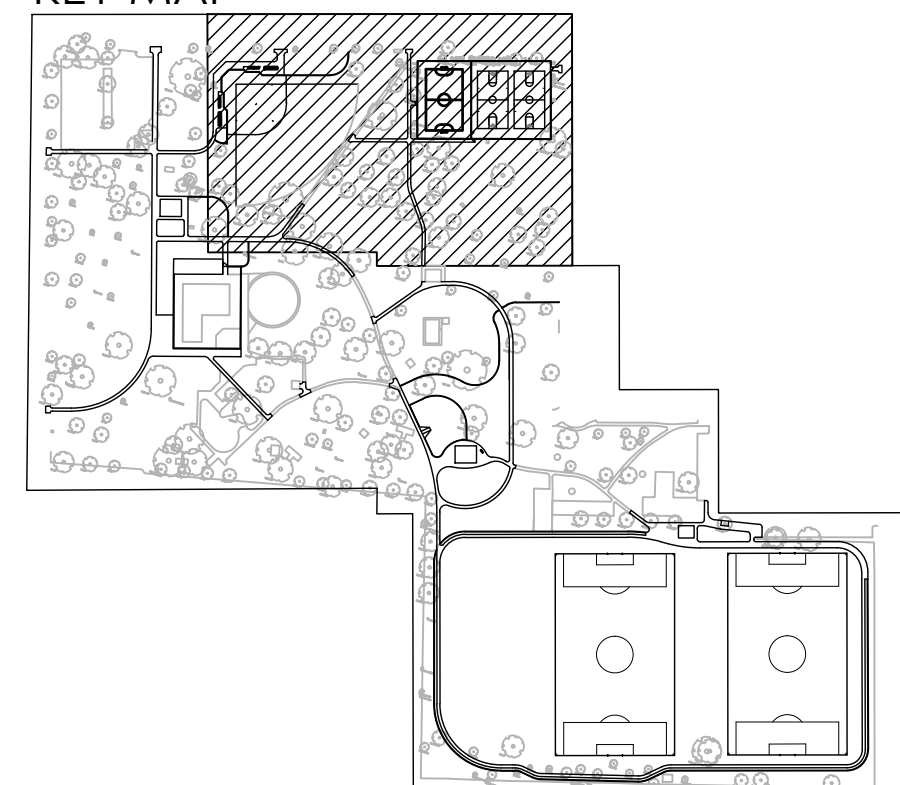


PLANTING NOTES

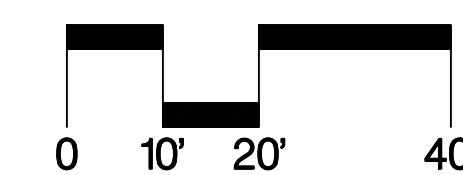
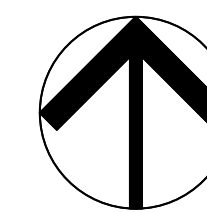
- MULCH:** INSTALL A UNIFORM THREE INCH COVERING OF MULCH IN ALL PLANTING AREAS, PER SPECIFICATIONS.
- EXISTING PLANT MATERIAL:** PROTECT ALL EXISTING PLANT MATERIAL TO REMAIN. REPAIR ANY DAMAGES INCURRED AS A DIRECT RESULT OF THIS CONTRACT TO THE OWNER'S SATISFACTION AT NO ADDITIONAL COST.
- GROUND COVER:** PROVIDE GROUND COVER AT INDICATED ON-CENTER SPACING THROUGHOUT ALL AREAS TO BE PLANTED. GROUND COVER SHALL BE PROVIDED UP TO THE WATERING BASIN OF ALL TREES AND SHRUBS.
- QUANTITIES:** THE QUANTITIES SHOWN ON THE LABELS ARE NOT TO BE CONSTRUED AS THE COMPLETE AND ACCURATE LIMITS OF THE CONTRACT. FURNISH AND INSTALL ALL PLANTS SHOWN SCHEMATICALLY ON THE DRAWINGS.
- SOILS TESTING:** SEE SPECIFICATIONS FOR TESTING OF TOPSOIL AND AMENDMENTS. IN ADDITION, CONTRACTOR SHALL SUBMIT A FIVE GALLON SAMPLE OF NATIVE TOPSOIL FROM ANY AREAS PREVIOUSLY COVERED BY PAVING, TO WAYPOINT ANALYTICAL OF ANAHEIM, (714) 282-8777, FOR CONTAMINATION TESTING. TESTING REQUIRES FOUR TO FIVE WEEKS. CONTRACTOR SHALL ALLOW SUFFICIENT TIME FOR TESTING PRIOR TO CONSTRUCTION.
- TURF REPAIR:** CONTRACTOR TO REPLACE ALL TURF DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES INCLUDING BUT NOT LIMITED TO IRRIGATION TRENCHING OR EXCAVATION FOR FORMWORK OR CONCRETE PAVEMENT AND CURBS WITH TURF FROM SOD.
- NEW PLANTERS:** PROVIDE IMPORT TOPSOIL TO A DEPTH OF 24" (COMPACTED IN PLACE) IN ALL NEW PREVIOUSLY PAVED, PLANTERS.

SEE SHEET PL1.0 FOR PLANTING SCHEDULE

KEY MAP



MATCHLINE D SEE SHEET PL13



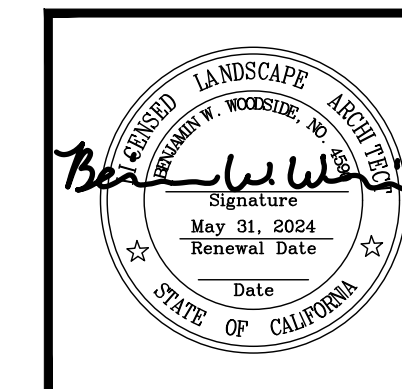

 12150 Tributary Point Drive, Suite 140
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 T 916.985.4366
 www.callanderassociates.com
 JANUARY 5, 2023 CALA PROJECT NO. 21013

MCKINLEY PARK RENOVATIONS PROJECT

PLANTING PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO.
DESIGNED BY	DCM	DATE	PL1.1
DRAWN BY	CM		62 OF 156 SHTS
CHECKED BY	BW	CITY ENGINEER	WR21017
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.



Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
2	TXFR PLACEMENT	04/13/23		
3	LOC #2	10/25/23		

IRRIGATION LEGEND

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI
	SHRUB ROTARY STRIP: RAIN BIRD R-VAN-STRIP 1812-SAM-P45 5'X15' (LCS AND RCS), 5'X30' (SST) HAND ADJUSTABLE MULTI-STREAM ROTARY W/ 1800 SHRUB SPRAY BODY ON 12" POP-UP, WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR. 1/2" NPT FEMALE THREADED INLET.	30
	SHRUB ROTARY: RAIN BIRD R-VANI4 1812-SAM-P45 8'-14', HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 SHRUB SPRAY BODY ON 12" POP-UP, WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR. 1/2" NPT FEMALE THREADED INLET.	30
	SHRUB ROTARY: RAIN BIRD R-VANI8 1812-SAM-P45 13'-18', HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 SHRUB SPRAY BODY ON 12" POP-UP, WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR. 1/2" NPT FEMALE THREADED INLET.	30
	SHRUB ROTARY: RAIN BIRD R-VAN24 1812-SAM-P45 17'-24', HAND ADJUSTABLE MULTI-STREAM ROTARY W/1800 SHRUB SPRAY BODY ON 12" POP-UP, WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR. 1/2" NPT FEMALE THREADED INLET.	30



SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI	RADIUS
	TREE BUBBLER: RAIN BIRD RWS-B-C 1401 36" LONG RWS WITH INSTALLED 0.25 GPM BUBBLER. EACH SYMBOL REPRESENTS (2) BUBBLERS.		
	EXISTING TURF ROTOR		
	TURF ROTOR: RAIN BIRD 8005-SS 5" POP-UP, STAINLESS STEEL RISER, STANDARD NOZZLE. WITH SEAL-A-MATIC CHECK VALVE, ADJUSTABLE 50-330 ARC, AND 360 NON-REVERSING FULL-CIRCLE. 1" (26/34) NPT FEMALE THREADED INLET. EXTENDED RADIUS IS IDEAL FOR LARGE TURF APPLICATIONS.	60	39' - 73'

TCC GRANT BASE BID ITEM
ALL TREE BUBBLERS AND LATERALS AND VALVES ASSOCIATED WITH NEW TREE BUBBLER STATIONS

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	EXISTING REMOTE CONTROL VALVE: PROTECT IN PLACE
	EXISTING VALVE TO BE RELOCATED
	REMOTE CONTROL VALVE: GRISWOLD 2030 CAST IRON VALVE. SIZE PER PLAN.
	QUICK COUPLING VALVE: RAIN BIRD 44-LRC
	EXISTING HEAD TO REMAIN: PROTECT IN PLACE
	EXISTING HEAD TO BE RELOCATED AS SHOWN. ADJUST AS NECESSARY TO PROVIDE/ MAINTAIN HEAD TO HEAD COVERAGE
	EXISTING GATE VALVE: PROTECT IN PLACE

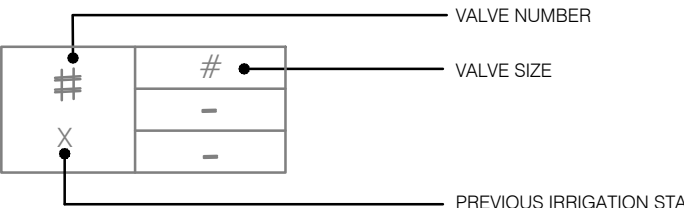


A IRRIGATION CONTROLLER A: UPGRADE EXISTING 32 STATION CALSENSE 3000 CONTROLLER A WITH (2) CS3-8STA-KIT, BRINGING TOTAL STATION COUNT TO 48 ADD. (1) HARDWARE COMMUNICATION CARD AND TERMINAL BOARD, CS3-M-KIT, TO FACILITATE COMMUNICATION WITH IRRIGATION CONTROLLER B. DOUBLED UP STATIONS ON CONTROLLER A WILL BE MOVED TO NEW STATION OUTPUTS ON CONTROLLER A OR MOVED TO AVAILABLE STATIONS ON CONTROLLER B AS NOTED ON PLANS. ADD (1) CS3000 FLOWSENSE OPTION, CS3-FL, TO ALLOW SHARING OF CLOUD COMMUNICATION, PROGRAMMING, FLOW, AND WEATHER DATA WITH CONTROLLER B.

B IRRIGATION CONTROLLER B: CALSENSE CS3-48-WM/CS3-M-KIT/CS3-FL/TP-110 48-STATION BASE MODEL CS3000 WITH WALL-MOUNT ENCLOSURE. WITH (1) HARDWARE COMMUNICATION CARD AND TERMINAL BOARD, CS3-M-KIT, TO FACILITATE COMMUNICATION WITH IRRIGATION CONTROLLER A, AND (1) CS3000 FLOWSENSE OPTION, CS3-FL, TO ALLOW SHARING OF CLOUD COMMUNICATION, PROGRAMMING, FLOW AND WEATHER DATA WITH CONTROLLER A.

- NEW BACKFLOW (PER CIVIL PLANS)
- EXISTING BOOSTER PUMP
- EXISTING MASTER VALVE
-

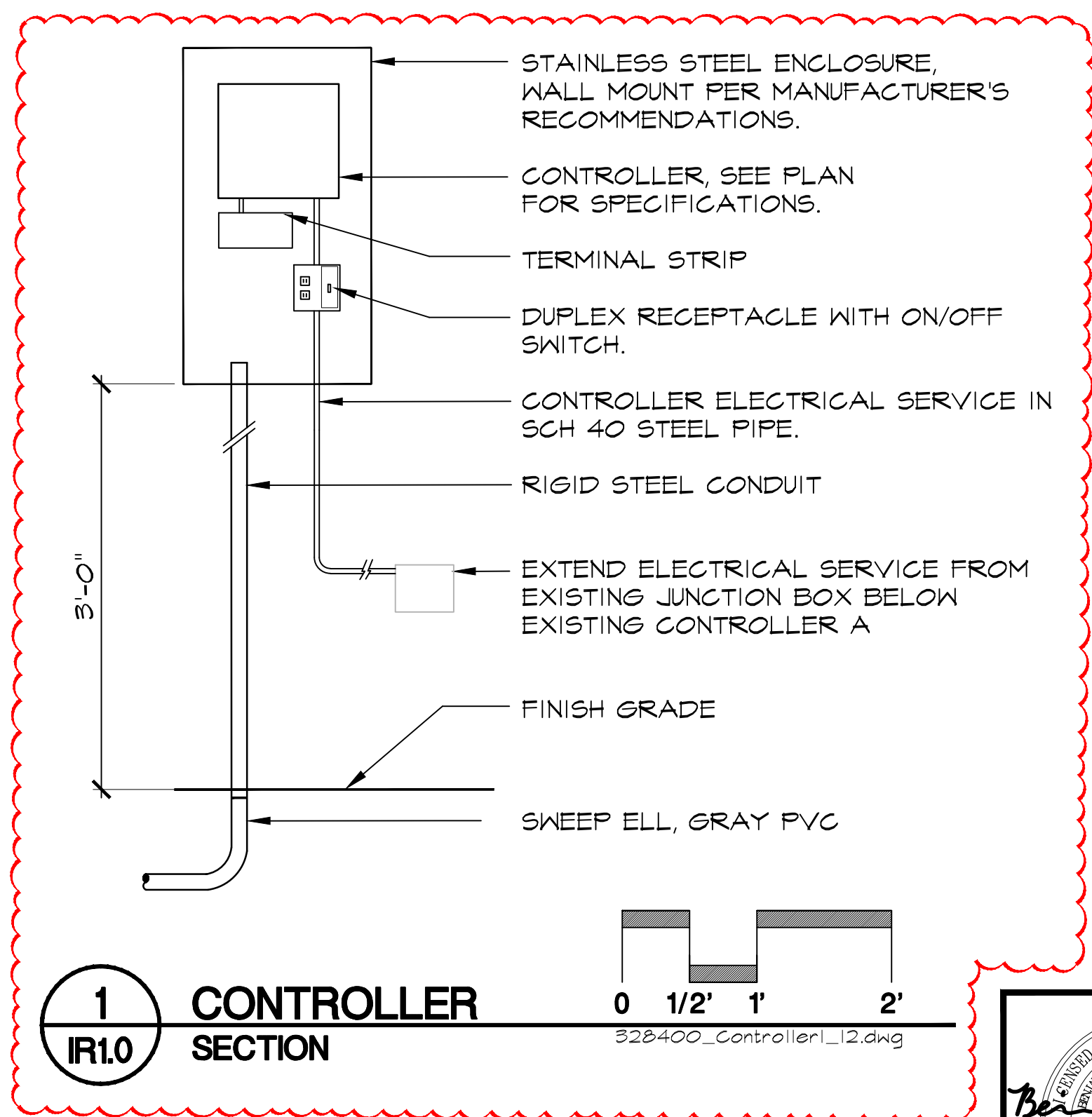
	EXISTING IRRIGATION LATERAL LINE: PROTECT IN PLACE
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21
	EXISTING IRRIGATION MAINLINE: PROTECT IN PLACE
	IRRIGATION MAINLINE: PIPE SMALLER THAN 2" SHALL BE SCH 40 PVC, PIPES 2"-3" SHALL BE CLASS 315 SOLVENT WELD, PIPES OVER 3" SHALL BE CLASS 200 BELL AND GASKET.
	PIPE SLEEVE: SCHEDULE 40
	NEW CONTROL WIRE/COMMUNICATION CABLE, PER SPECS



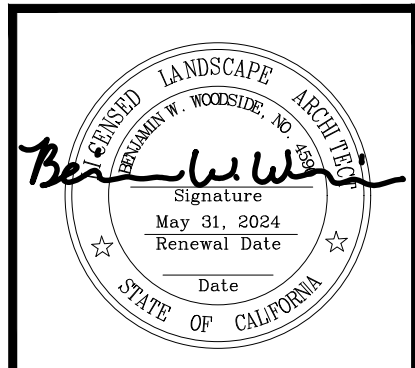
PREVIOUS IRRIGATION STATION ASSIGNMENT
KEEP - INDICATES VALVE NUMBER DOES NOT CHANGE
REL - VALVE TO BE RELOCATED

IRRIGATION NOTES

- SPECIFICATIONS:** SEE IRRIGATION SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- VERIFICATION:** SYSTEM DESIGN IS BASED ON 60 P.S.I. AND 208 G.P.M. AVAILABLE AT DISCHARGE OUTLET OF EXISTING BOOSTER PUMP. CONTRACTOR SHALL VERIFY SAME AND NOTIFY LANDSCAPE ARCHITECT IF SUCH DATA ADVERSELY AFFECTS THE OPERATION OF THE SYSTEM. SUCH NOTICE SHALL BE MADE IN WRITING AND PRIOR TO COMMENCING ANY IRRIGATION WORK.
- UTILITIES:** CONTRACTOR SHALL VERIFY LOCATION OF ALL ON-SITE UTILITIES. RESTORATION OF DAMAGED UTILITIES SHALL BE MADE AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
- SCHEMATIC:** SYSTEM FEATURES ARE SHOWN SCHEMATICALLY FOR GRAPHIC CLARITY. INSTALL ALL PIPING AND VALVES IN COMMON TRENCHES WHERE FEASIBLE AND INSIDE PLANTING AREAS WHENEVER POSSIBLE. ALL VALVES SHALL BE LOCATED IN GROUND COVER OR SHRUB AREAS WHENEVER POSSIBLE.
- CODES:** IRRIGATION SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH ALL LOCAL CODES AND MANUFACTURER'S SPECIFICATIONS. NOTIFY LANDSCAPE ARCHITECT BY TELEPHONE AND IN WRITING OF ANY CONFLICTS PRIOR TO INSTALLATION.
- SLEEVING:** CONTRACTOR SHALL SIZE ALL SLEEVES TO BE A MINIMUM TWO TIMES THE SIZE OF THE INTERIOR PIPE. SLEEVES SHALL BE INSTALLED AT THE NECESSARY DEPTHS PRIOR TO PAVEMENT CONSTRUCTION. SLEEVING SHALL EXTEND 1'-0" FROM EDGE OF PAVEMENT INTO LAWN OR PLANTING AREA, AND SHALL HAVE ENDS CLEARLY MARKED ABOVE GRADE.
- QUICK COUPLING VALVES:** INSTALL ON TRIPLE SWING JOINT. LOCATE 12" AWAY FROM EDGE OF WALKS, WALLS, CURBS, AND HEADERBOARDS WITHIN PLANTING AREAS. PROVIDE OWNER WITH ONE OPERATING KEY, TWO SETS OF LOCKING COVER KEYS, AND ONE SWIVEL HOSE ELL.
- HEAD ALLOWANCE:** CONTRACTOR SHALL ALLOW IN BID PRICE AN AMOUNT SUFFICIENT TO PROVIDE AND INSTALL AN ADDITIONAL 5% SPRINKLER HEADS OF EACH TYPE SPECIFIED ON PLAN TO ACCOMMODATE FIELD CHANGES. THESE HEADS SHALL BE LOCATED AS DIRECTED BY THE LANDSCAPE ARCHITECT. CONTRACTOR SHALL DELIVER TO THE OWNER ANY UN-USED ADDITIONAL HEADS AND DRIPLINE AT THE END OF THE MAINTENANCE PERIOD.
- CONTROLLER:** ALL ABOVE-GRADE CONDUIT EITHER 24V. OR 110V. SHALL BE RIGID STEEL AND SECURELY FASTENED TO STRUCTURE AND TO CONTROLLER.
- MAINTAINING EXISTING IRRIGATION:** SHOULD THE EXISTING MAINLINE BREAK OR BE SHUT OFF FOR ANY REASON DURING THE COURSE OF CONSTRUCTION THE CONTRACTOR SHALL HAND WATER ALL TREES, SHRUBS, TURF, AND GROUND COVER THAT THE EXISTING IRRIGATION SYSTEM WATERS. THE CONTRACTOR SHALL CONTINUE TO DO SO UNTIL THE IRRIGATION SYSTEM IS OPERABLE.
- TRENCH REPAIR:** CONTRACTOR TO REPLACE ALL TURF, ASPHALT, PAVEMENT OR OTHER SURFACES DAMAGED AS A RESULT OF TRENCHING. CONTRACTOR TO BE EXTREMELY CAUTIOUS TO AVOID TRENCHING THROUGH EXISTING CONTROL WIRES, LATERAL LINES, AND MAINLINE. STAKE IN FIELD THE LOCATIONS PER NOTE I BEFORE TRENCHING. ALL DAMAGED LATERAL LINES, MAINLINES, AND CONTROL WIRES OR OTHER EXISTING IMPROVEMENTS SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY AT NO ADDITIONAL COST.
- NEW VALVES:** CONNECT NEW VALVES TO CONTROLLER WITH CONTROL WIRE PER SPECIFICATIONS. UTILIZE EXISTING WIRE RUNS FOR ALL NEW VALVES CONNECTED TO CONTROLLER 'A' AND VALVES B5 THROUGH B8. RUN NEW CONTROL WIRE TO CONTROLLER B FOR VALVES B9 THROUGH B34. USE COMMON TRENCHES WHEN POSSIBLE.
- PARKING NOTE:** ALL POP-UP HEADS AT BACK OF CURB IN PARKING AREAS SHOULD HAVE MAX. POP-UP HEIGHT OF 4".
- MAINLINE REINFORCEMENT:** USE JOINT RESTRAINTS, PER DETAIL 6/LDI.4 ON ALL BELL AND GASKET MAINLINE PIPE. USE THRUST BLOCKS, PER DETAIL 5/LDI.4, ON ALL SOLVENT WELD MAINLINE PIPE.



1 CONTROLLER SECTION
IR1.0
522400_Controller1_12.dwg



Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
2	LOC #2	11/02/23		

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PERMIT REVIEW SET

MCKINLEY PARK RENOVATIONS PROJECT

IRRIGATION PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

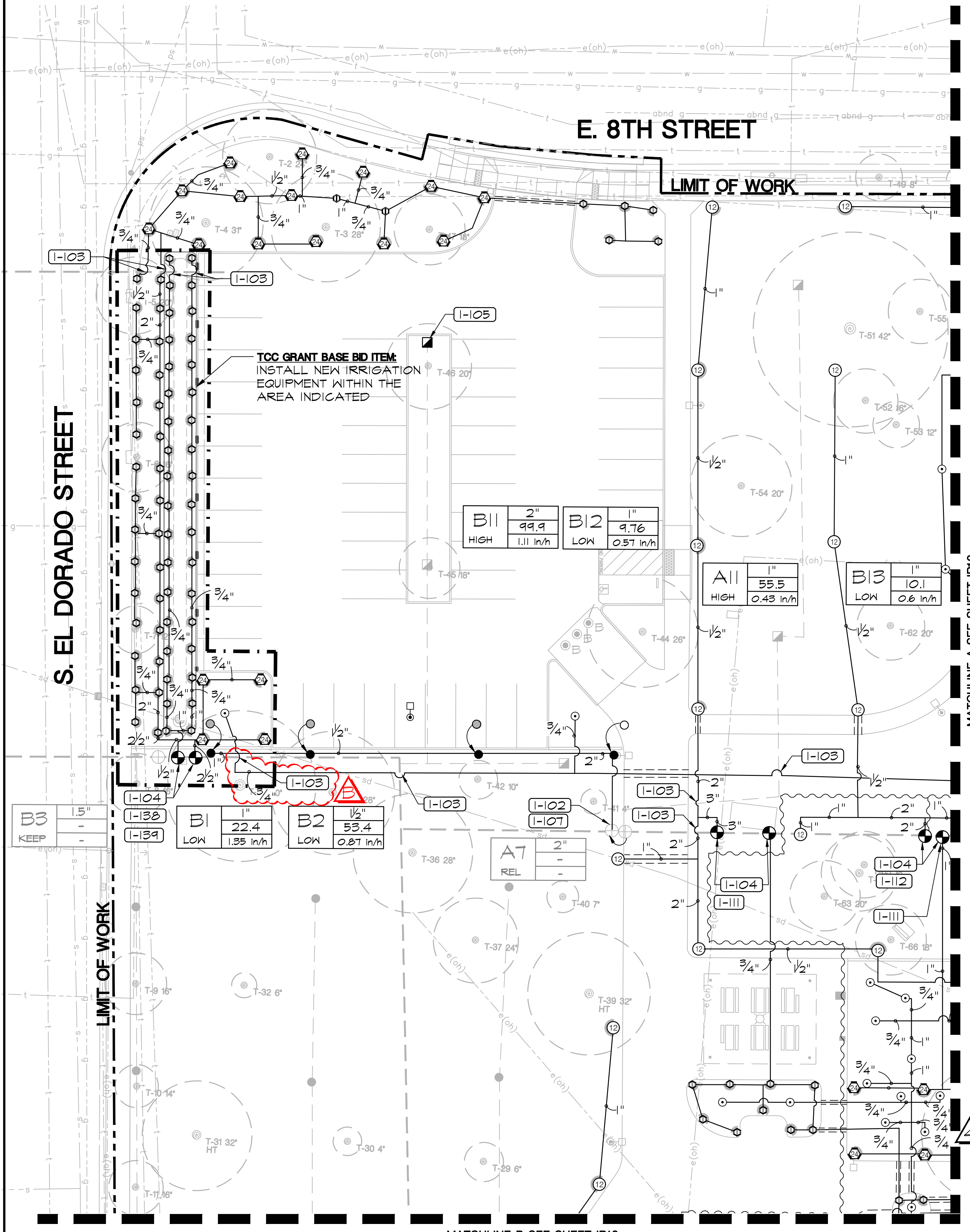
SCALE AS SHOWN
DESIGNED BY DCM
DRAWN BY CM
CHECKED BY BW
RECORD DWGS.

APPROVED BY: _____
DATE _____
CITY ENGINEER
STOCKTON, CALIFORNIA

SHEET NO.
IR1.0
52 OF 156 SHTS
WR21017
PROJECT NO.

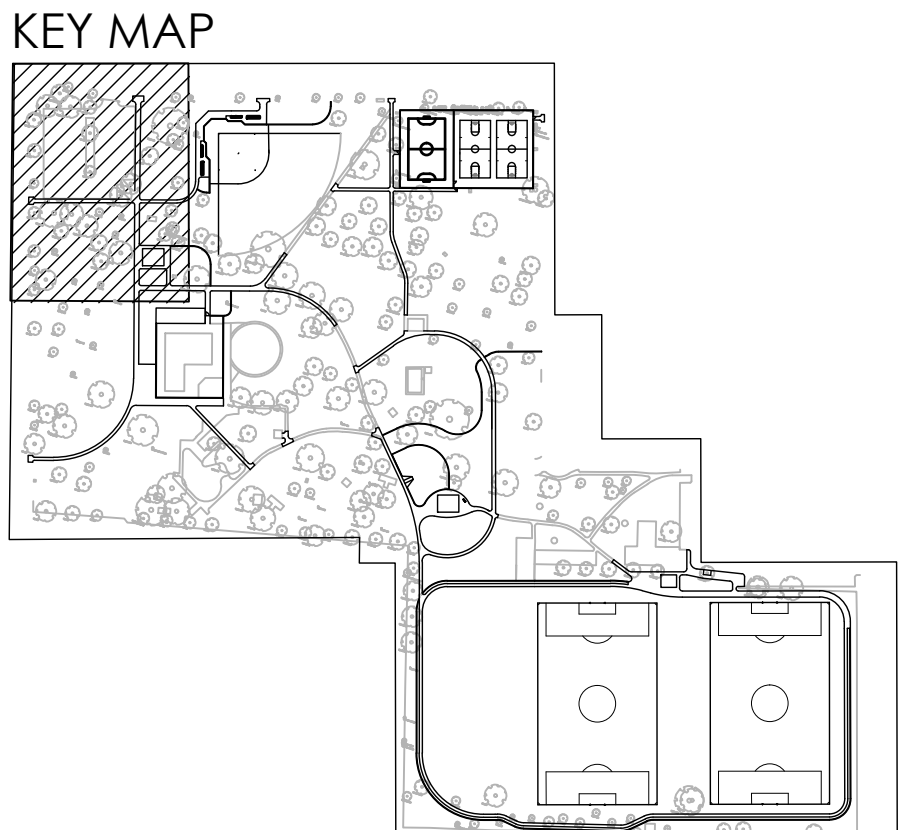
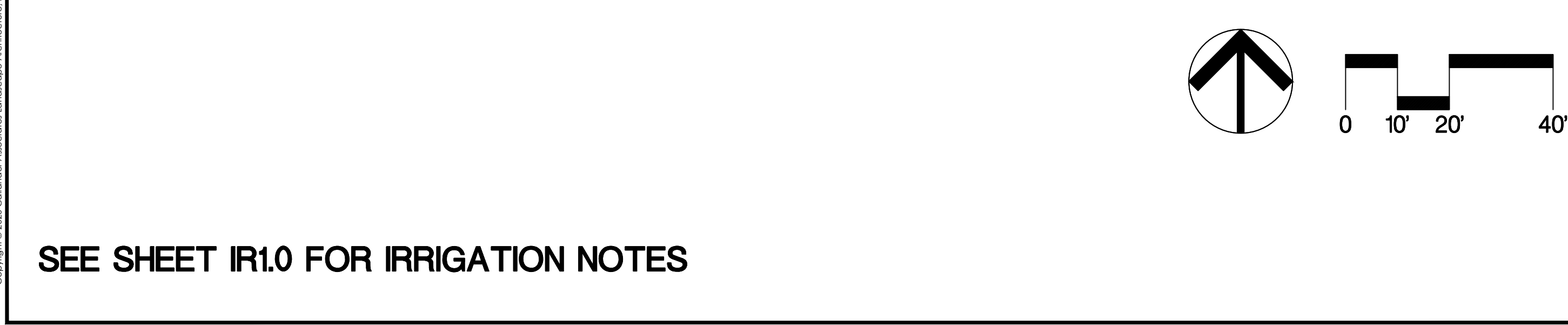
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IRRIGATION KEY NOTES

- I-101 CONNECT NEW MAINLINE TO EXISTING SYSTEM WITH STAINLESS STEEL TAP AND SADDLE. EXISTING MAINLINE LOCATION SHOWN IS APPROXIMATE FROM RECORD DRAWINGS. CONTRACTOR TO VERIFY ACTUAL LOCATION IN FIELD.
- I-102 CONNECT NEW LATERAL TO EXISTING SYSTEM. EXISTING MAINLINE LOCATION SHOWN IS APPROXIMATE FROM RECORD DRAWINGS. CONTRACTOR TO VERIFY ACTUAL LOCATION IN FIELD.
- I-103 NEW LATERAL LINE CROSSES EXISTING MAINLINE OR LATERAL LINE. CONTRACTOR TO LOCATE EXISTING LINE AND INSTALL NEW LINE WITH CAUTION. ANY EXISTING PIPE DAMAGED AS PART OF CONSTRUCTION OPERATIONS SHALL BE REPLACED/REPAIRED.
- I-104 CONNECT NEW VALVE TO EXISTING MAINLINE. MAINLINE LOCATION IS APPROXIMATE. CONTRACTOR TO VERIFY ACTUAL LOCATION IN FIELD.
- I-105 CONNECT NEW QUICK COUPLER TO EXISTING MAINLINE OR LATERAL LINE. LOCATION IS APPROXIMATE. CONTRACTOR TO VERIFY ACTUAL LOCATION IN FIELD.
- I-106 LOCATE WIRES FROM (E) VALVE A3A AND CONNECT TO NEW VALVE A3
- I-107 EXTEND EXISTING CONTROL WIRES TO NEW VALVE LOCATIONS
- I-108 LOCATE WIRES FROM (E) VALVE A3A AND CONNECT TO NEW VALVE A3
- I-109 LOCATE WIRES FROM (E) VALVE A9A AND CONNECT TO NEW VALVE A9
- I-110 LOCATE WIRES FROM (E) VALVE A6B AND CONNECT TO NEW VALVE A29
- I-111 EXTEND NEW CONTROL AND NEUTRAL WIRES FROM CONTROLLERS TO NEW VALVES
- I-112 LOCATE WIRES FROM (E) VALVE A11A AND CONNECT TO NEW VALVE A11
- I-113 LOCATE WIRES FROM (E) VALVE A14A AND CONNECT TO NEW VALVE A14
- I-114 LOCATE WIRES FROM (E) VALVE A18A AND CONNECT TO NEW VALVE A18
- I-115 LOCATE WIRES FROM (E) VALVE A20A AND CONNECT TO NEW VALVE A20
- I-116 LOCATE WIRES FROM (E) VALVE A23A AND CONNECT TO NEW VALVE A23
- I-117 IDENTIFY WIRE FOR VALVE A1B AT CONTROLLER AND REASSIGN TO NEW STATION A25
- I-118 IDENTIFY WIRE FOR VALVE A2B AT CONTROLLER AND REASSIGN TO NEW STATION A26
- I-119 IDENTIFY WIRE FOR VALVE A3B AT CONTROLLER AND REASSIGN TO NEW STATION A27
- I-120 IDENTIFY WIRE FOR VALVE A4B AT CONTROLLER AND REASSIGN TO NEW STATION A28
- I-121 IDENTIFY WIRE FOR VALVE A5B AT CONTROLLER AND REASSIGN TO NEW STATION A29
- I-122 LOCATE WIRES FROM (E) VALVE A13B AND CONNECT TO NEW VALVE A30
- I-123 LOCATE WIRES FROM (E) VALVE A08B AND CONNECT TO NEW VALVE A32
- I-124 LOCATE WIRES FROM (E) VALVE A14B AND CONNECT TO NEW VALVE A37
- I-125 IDENTIFY WIRE FOR VALVE A7B AT CONTROLLER AND REASSIGN TO NEW STATION A31
- I-126 IDENTIFY WIRE FOR VALVE A9B AT CONTROLLER AND REASSIGN TO NEW STATION A33
- I-127 IDENTIFY WIRE FOR VALVE A10B AT CONTROLLER AND REASSIGN TO NEW STATION A34
- I-128 IDENTIFY WIRE FOR VALVE A10B AT CONTROLLER AND REASSIGN TO NEW STATION A34
- I-129 IDENTIFY WIRE FOR VALVE A12B AT CONTROLLER AND REASSIGN TO NEW STATION A36
- I-130 LOCATE WIRES FROM (E) VALVE A15B AND CONNECT TO NEW VALVE A38
- I-131 LOCATE WIRES FROM (E) VALVE A16B AND CONNECT TO NEW VALVE A39
- I-132 IDENTIFY WIRE FOR VALVE A17B AT CONTROLLER AND REASSIGN TO NEW STATION A40
- I-133 LOCATED WIRES FROM (E) VALVE A18B AND CONNECT TO NEW VALVE A41
- I-134 LOCATE WIRES FROM (E) VALVE A19B AND CONNECT TO NEW VALVE A42
- I-135 LOCATE WIRES FROM (E) VALVE A20B AND CONNECT TO NEW VALVE A43
- I-136 IDENTIFY WIRE FOR VALVE A21B AT CONTROLLER AND REASSIGN TO NEW STATION A44
- I-137 IDENTIFY WIRE FOR VALVE A22B AT CONTROLLER AND REASSIGN TO NEW STATION A45
- I-138 LOCATE WIRES FROM (E) VALVE B1 AND CONNECT TO NEW VALVE B1
- I-139 LOCATE WIRES FROM (E) VALVE B2 AND CONNECT TO NEW VALVE B2
- I-140 LOCATE WIRES FROM (E) VALVE B5 AND CONNECT TO NEW VALVE B5
- I-141 LOCATE WIRES FROM (E) VALVE B6 AND CONNECT TO NEW VALVE B6
- I-142 LOCATE WIRES FROM (E) VALVE B7 AND CONNECT TO NEW VALVE B7
- I-143 LOCATE WIRES FROM (E) VALVE B8 AND CONNECT TO NEW VALVE B8



CALA 12150 Tributary Point Drive, Suite 140
Gold River, CA 95670
T 916.985.4366
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MCKINLEY PARK RENOVATIONS PROJECT

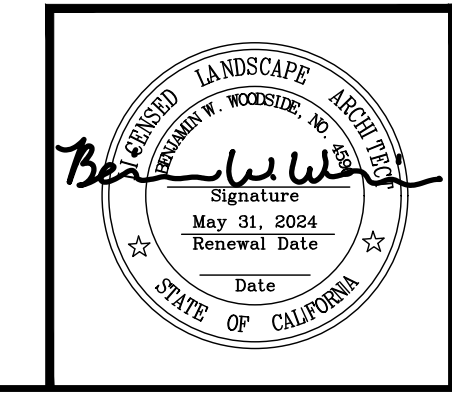
IRRIGATION PLAN

DEPARTMENT OF PUBLIC WORKS
CITY OF STOCKTON, CALIFORNIA

SCALE	AS SHOWN	APPROVED BY:	SHEET NO.
DESIGNED BY	DCM	DATE	IR1.1
DRAWN BY	CM		53 OF 156 SHEETS
CHECKED BY	BW	CITY ENGINEER	WR21017
RECORD DWGS.		STOCKTON, CALIFORNIA	PROJECT NO.

PERMIT REVIEW SET

Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
2	TYPR PLACEMENT	04/13/23		
3	LOC #2	11/02/23		



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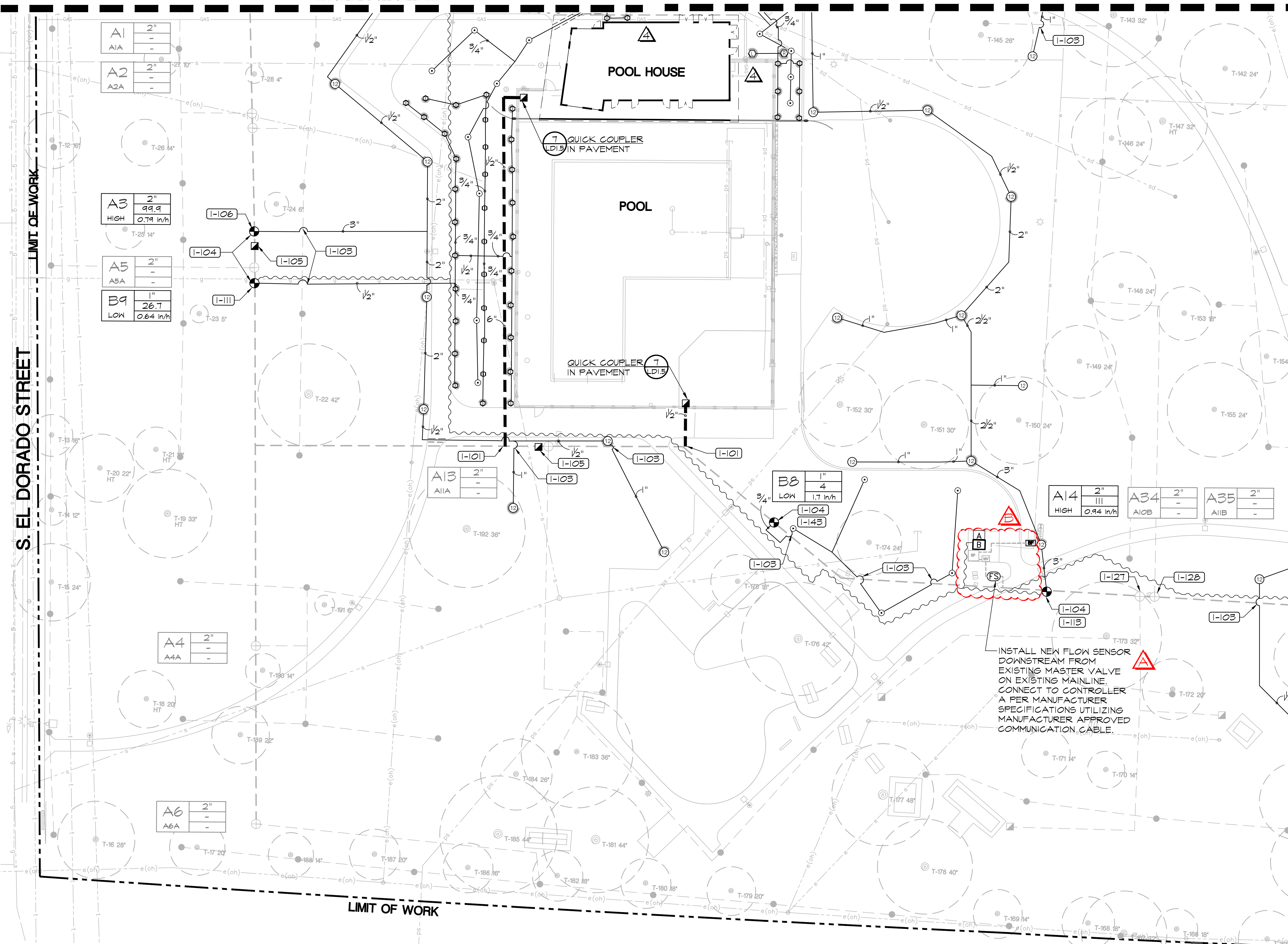
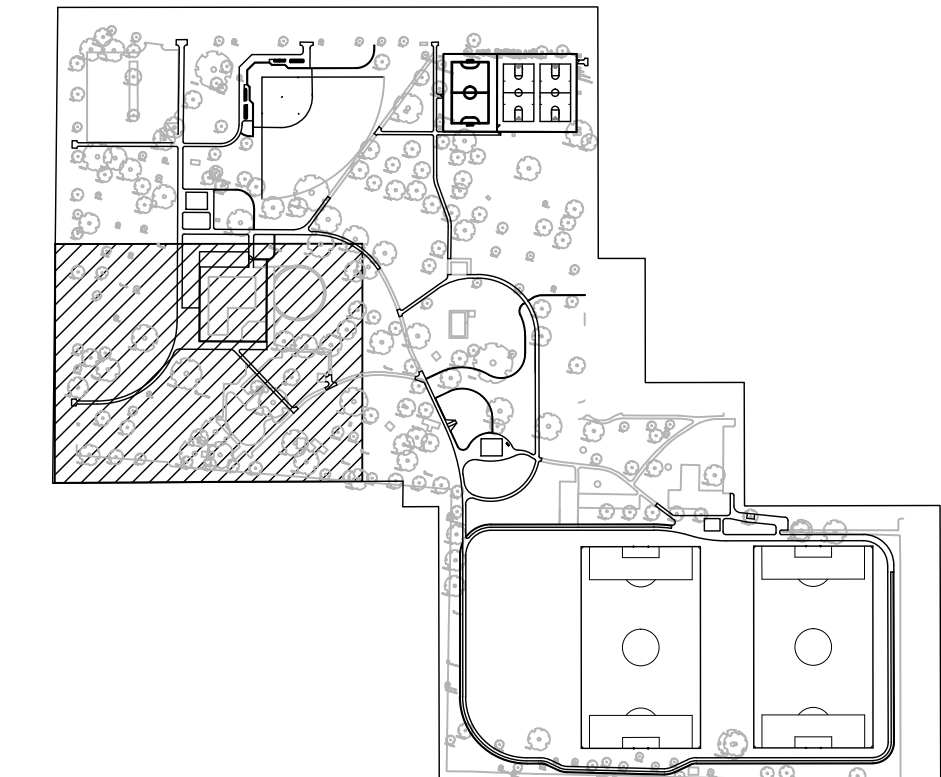
MATCHLINE B SEE SHEET IR11

MATCHLINE C SEE SHEET IR12

IRRIGATION KEY NOTES

- | SYMBOL | DESCRIPTION |
|--------|--|
| I-101 | CONNECT NEW MAINLINE TO EXISTING SYSTEM WITH STAINLESS STEEL TAP AND SADDLE. EXISTING MAINLINE LOCATION SHOWN IS APPROXIMATE FROM RECORD DRAWINGS. CONTRACTOR TO VERIFY ACTUAL LOCATION IN FIELD. |
| I-103 | NEW LATERAL LINE CROSSES EXISTING MAINLINE OR LATERAL LINE. CONTRACTOR TO LOCATED EXISTING LINE AND INSTALL NEW LINE WITH CAUTION. ANY EXISTING PIPE DAMAGED AS PART OF CONSTRUCTION OPERATIONS SHALL BE REPLACED/ REPAIRED. |
| I-104 | CONNECT NEW VALVE TO EXISTING MAINLINE. MAINLINE LOCATION IS APPROXIMATE. CONTRACTOR TO VERIFY ACTUAL LOCATION IN FIELD. |
| I-105 | CONNECT NEW QUICK COUPLER TO EXISTING MAINLINE OR LATERAL LINE. LOCATION IS APPROXIMATE. CONTRACTOR TO VERIFY ACTUAL LOCATION IN FIELD. |
| I-106 | LOCATE WIRES FROM (E) VALVE A3A AND CONNECT TO NEW VALVE A3 |
| I-111 | EXTEND NEW CONTROL AND NEUTRAL WIRES FROM CONTROLLERS TO NEW VALVES |
| I-113 | LOCATE WIRES FROM (E) VALVE A14A AND CONNECT TO NEW VALVE A14 |
| I-127 | IDENTIFY WIRE FOR VALVE A10B AT CONTROLLER AND REASSIGN TO NEW STATION A34 |
| I-128 | IDENTIFY WIRE FOR VALVE A10B AT CONTROLLER AND REASSIGN TO NEW STATION A34 |
| I-143 | LOCATE WIRES FROM (E) VALVE B3 AND CONNECT TO NEW VALVE B3 |

KEY MAP



LIMIT OF WORK

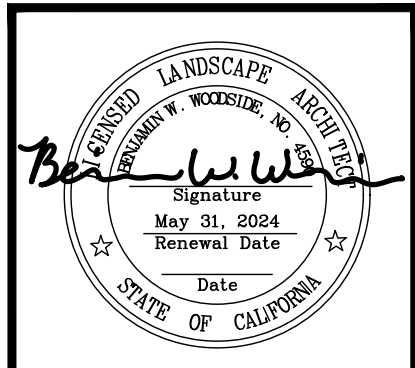
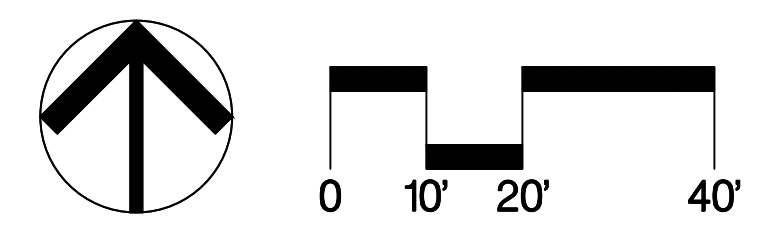
S. EL DORADO STREET

MATCHLINE D SEE SHEET IR14

LIMIT OF WORK

PERMIT REVIEW SET

SEE SHEET IR1.0 FOR IRRIGATION NOTES & LEGEND



Revision No.	Description	Date	By	Aprvd. By
1	RESPONSE TO PERMIT CYCLE 1 COMMENTS	11/14/22		
2	TXFR PLACEMENT	04/13/23		
3	LOC #1	10/25/23		
4	LOC #2	11/02/23		


 12150 Tributary Point Drive, Suite 140
 Gold River, CA 95670
 T 916.985.4366
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MCKINLEY PARK RENOVATIONS PROJECT
IRRIGATION PLAN

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SCALE AS SHOWN	APPROVED BY: _____ DATE _____ SHEET NO. IR1.3
DESIGNED BY DCM	55 OF 156 SHTS.
DRAWN BY CM	WR21017 PROJECT NO.
CHECKED BY BW	CITY ENGINEER
RECORD DWGS.	STOCKTON, CALIFORNIA