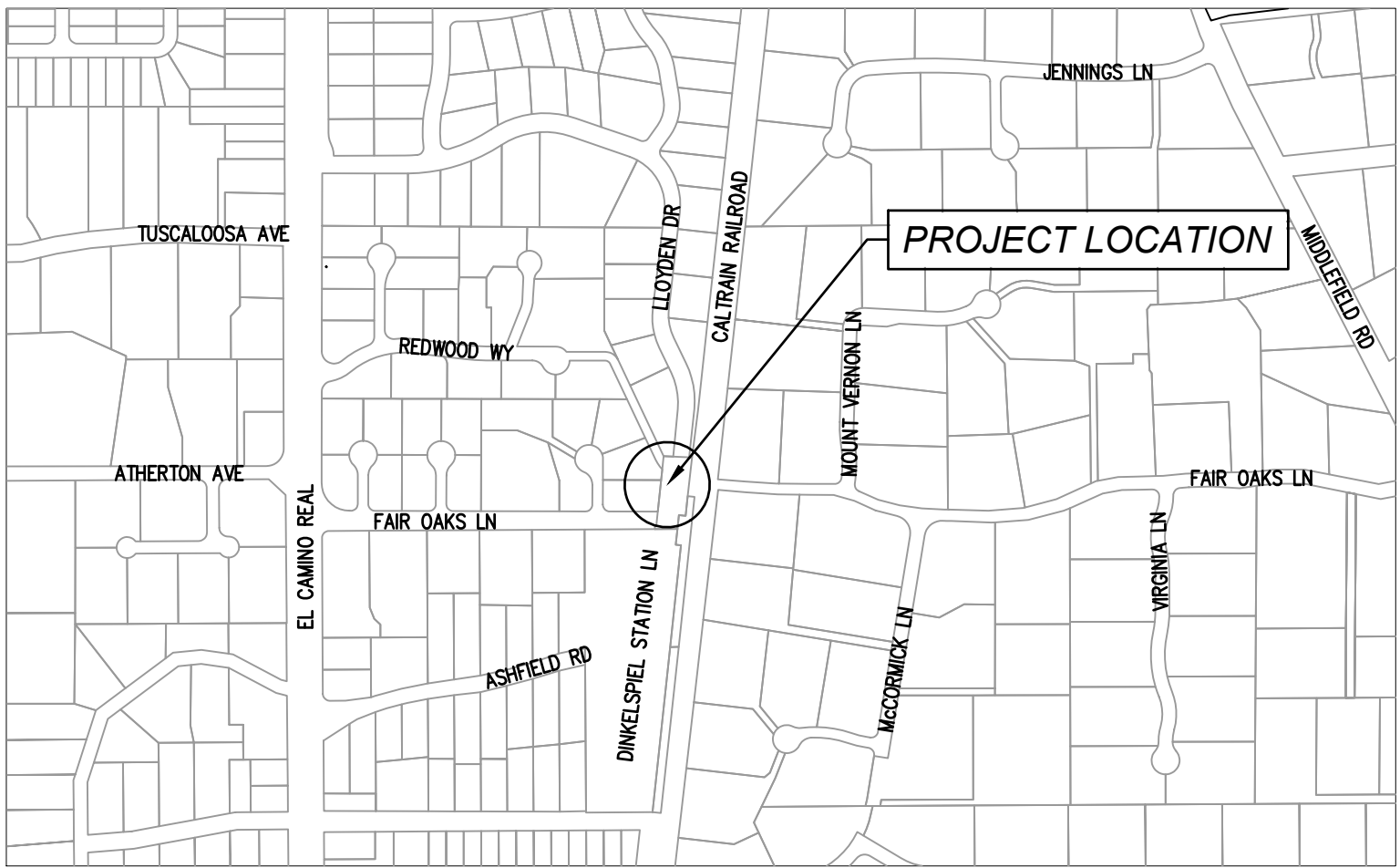


Plotted By: Camryn Lopez

W:\WE-CA\Atherton, Town of\11999.03 - Fair Oaks Ln--Lloyd Dr Intersection Improvements\900-PS&E\901-Plans\PL-TTL-01.dwg Jan 19, 2024 - 11:19am



VICINITY MAP
NOT TO SCALE

GENERAL NOTES:

- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE SHOWN ON THESE PLANS WAS OBTAINED BY A SEARCH OF AVAILABLE RECORDS. APPROVAL OF THESE PLANS BY THE CITY DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF THE LOCATION OR THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY OR SUBSTRUCTURE WITHIN THE LIMITS OF THE PROJECT.
- THE CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OR THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THE CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD THE DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.
- CONTRACTOR SHALL DETERMINE HAUL ROUTE TO BE APPROVED BY THE TOWN OF ATHERTON.

GRADING GENERAL NOTES:

- ALL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT TOWN OF ATHERTON MUNICIPAL CODE AND CONSTRUCTION REGULATIONS, AS WELL AS WITH THE REGULATIONS OF ALL OTHER GOVERNMENT AGENCIES WITH JURISDICTION.
- NO WORK SHALL BE STARTED WITHOUT FIRST NOTIFYING THE BUILDING DEPARTMENT AT (650) 752-0560, AT LEAST 48 HOUR PRIOR TO COMMENCING.
- WORK, INCLUDING DELIVERIES AND MOVEMENT OF MACHINERY, IS ONLY ALLOWED BETWEEN 8AM AND 5PM, MONDAY THROUGH FRIDAY. NO WORK IS ALLOWED ON WEEKENDS OR LEGAL HOLIDAYS.
- ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY WILL REQUIRE AN ENCROACHMENT PERMIT FROM THE TOWN OF ATHERTON.
- THE CONTRACTOR SHALL KEEP ADJACENT ROADS AND STREETS OPEN FOR TRAVEL BY THE PUBLIC, ADJACENT PROPERTY OWNER, THEIR VISITORS AND GUESTS AT ALL REASONABLE TIMES. BLOCKAGE OF A STREET OR ROAD EXCEEDING FIVE MINUTES IS A VIOLATION OF THE TOWN OF ATHERTON MUNICIPAL CODE.
- ANY CONSTRUCTION SITE THAT IS VISIBLE FROM THE PUBLIC RIGHT-OF-WAY MUST BE ADEQUATELY SCREENED TO THE SATISFACTION OF THE BUILDING OFFICIAL. SCREENING SHALL CONSIST OF MATERIALS APPROVED BY THE BUILDING OFFICIAL AND MUST BE IDENTIFIED ON THESE PLANS.
- ANY DISTURBANCE OF THE WATER SERVICE LATERAL OR METER MUST BE APPROVED IN ADVANCE BY CALIFORNIA WATER SERVICE COMPANY, BEAR GULCH DISTRICT, AT 3525 ALAMEDA DE LAS PULGAS, MENLO PARK, CA 94025; PHONE (650) 367-6800 (REGULAR OR OFF-HOURS).
- ANY DISTURBANCE OF THE SANITARY SEWER CLEANOUT, OR THE SEWER LATERAL DOWNSTREAM OF THE CLEANOUT AT THE PROPERTY LINE MUST BE APPROVED IN ADVANCE BY THE WEST BAY SANITARY DISTRICT, 500 LAUREL STREET, MENLO PARK, CA 94025; PHONE (650) 321-0384 (REGULAR OR OFF-HOURS)." OR "THE FAIR OAKS SANITARY DISTRICT, 555 COUNTY CENTER - 5TH FLOOR, REDWOOD CITY, CA 94063; PHONE (650) 363-4100 (REGULAR OR OFF-HOURS).
- NO CONNECTION IS ALLOWED BETWEEN THE STORM WATER COLLECTION AND TREATMENT SYSTEMS AND THE SANITARY SEWER SYSTEM.
- ALL DRAINAGE-SYSTEM PIPES MUST BE INSPECTED BEFORE COVERING. INSPECTION CAN BE DONE IN STAGES AS BACKFILLING PROCEEDS, TO ALLOW SUPPORT TO BE PROVIDED BEFORE INSTALLING PIPES THAT ENTER THE SIDES OF STRUCTURES.
- ALL WORK SHALL BE COMPLETED WITHIN THE PUBLIC RIGHT-OF-WAY
- THE TOTAL NEW AND REPLACED IMPERVIOUS AREA IS ESTIMATED TO BE:

NEW AND REPLACED IMPERVIOUS SURFACES: 2815 SF
IMPERVIOUS SURFACES BEFORE THE PROJECT: 1518 SF
IMPERVIOUS SURFACES AFTER THE PROJECT: 2815 SF

- THE TOTAL DISTURBED AREA IS ESTIMATED TO BE 3300 SF.
- EARTHWORK QUANTITIES FOR SITE GRADING ARE ESTIMATED TO BE:
CUT: 154 CY FILL: 2 CY EXPORT: 152 CY

THESE QUANTITIES ARE BASED ON THE ASSUMPTION THAT A SUBSIDENCE WILL NOT OCCUR OVER THE ENTIRE SITE.

NOTE TO CONTRACTOR - EXISTING UTILITIES:

- THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THE PLANS WERE OBTAINED FROM A REVIEW OF AVAILABLE RECORD DATA. WHILE DUE CARE WAS TAKEN IN PREPARATION OF THIS INFORMATION, WILLDAN ENGINEERING CANNOT AND DOES NOT GUARANTEE THE ACCURACY NOR THE COMPLETENESS OF THE INFORMATION.
- THE LOCATIONS OF THE EXISTING UNDERGROUND FACILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK.
- THE CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES, WHICH RESULT FROM HIS FAILURE TO LOCATE EXACTLY AND PRESERVE ANY AND ALL UNDERGROUND FACILITIES.
- THE CONTRACTOR SHALL POTHOLE PROPOSED CROSSINGS/CONNECTIONS AT EXISTING FACILITIES PRIOR TO AND SHALL VERIFY THEIR HORIZONTAL AND VERTICAL LOCATIONS. IN THE EVENT, DURING CONSTRUCTION, THAT UNKNOWN FACILITIES OR UNKNOWN STRUCTURES ARE FOUND AT UNEXPECTED ELEVATIONS OR LOCATIONS, THE CITY AND WILLDAN ENGINEERING ARE TO BE NOTIFIED OF SUCH CONDITION AT ONCE. WILLDAN ENGINEERING WILL MAKE REQUIRED DESIGN CHANGES AND THE CONTRACTOR AGREES TO COMPLETE ALL WORK, INCLUDING REPAIRS REQUIRED, IN AN EXPEDITIOUS MANNER. THE CONTRACTOR FURTHER AGREES TO PURSUE DILIGENTLY THE COMPLETION OF SAID WORK.
- ANY DISCREPANCY BETWEEN THE PLANS AND FIELD SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND CITY.

TOWN OF ATHERTON

CALIFORNIA

PUBLIC WORKS DEPARTMENT

FAIR OAKS LANE/LLOYDEN DRIVE /DINKELSPIEL LANE

INTERSECTION IMPROVEMENTS PROJECT

PROJECT NO. 56093

SHEET INDEX

SHEET NO. DWG. NO. DESCRIPTION

1	T-1	TITLE SHEET
2	C-1	LAYOUT PLAN
3	C-2	GRADING AND DRAINAGE PLAN
4	EC-1	EROSION CONTROL PLAN
5	CD-1	CONSTRUCTION DETAILS
6	FB-1	RECTANGULAR RAPID FLASHING BEACON PLAN
7	FB-2	POLE AND LIGHT FIXTURES DETAIL
8	SS-1	SIGNING AND STRIPING PLAN
9	L-1	PLANTING PLAN
10	L-2	IRRIGATION PLAN
11	L-3	IRRIGATION AND PLANTING DETAILS

EROSION CONTROL GENERAL NOTES

- THE EROSION CONTROL SYSTEMS REQUIRE CERTIFICATION BY THE ENGINEER OF RECORD. SUCH CERTIFIED SYSTEMS SHALL BE COMPLETED, INSPECTED, AND IN PLACE NO LATER THAN OCTOBER 1, AND SHALL REMAIN IN PLACE AT ALL TIMES FOR ALL AREAS IN WHICH CONSTRUCTION IS NOT SCHEDULED TO COMMENCE WITHIN THE NEXT SEVEN (7) DAYS. ALL EROSION CONTROL SYSTEMS SHALL REMAIN IN PLACE UNTIL MAY 1.
- THE CONTRACTOR, SHALL BE RESPONSIBLE FOR THE INSPECTION, MODIFICATION AND PROPER MAINTENANCE OF THE EROSION CONTROL DEVICES AS NECESSARY. IN THE EVENT OF FAILURE OR REFUSAL TO PROPERLY MAINTAIN SAID DEVICES, THE CITY ENGINEER MAY CAUSE EMERGENCY MAINTENANCE WORK TO BE DONE TO PROTECT ADJACENT PRIVATE AND PUBLIC PROPERTY, THE COST (INCLUDING AN INITIAL MOBILIZATION AMOUNT) SHALL BE CHARGED TO THE CONTRACTOR.
- ALL EROSION CONTROL MEASURES REQUIRED TO RETAIN SEDIMENT ON-SITE AND TO SAFELY DISCHARGE ANY ACCELERATED RUNOFF GENERATED BY THE PROJECT SHALL BE INSTALLED DURING THE INITIAL CONSTRUCTION PHASE OF THE PROJECT.
- THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL SYSTEMS SHALL BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED EROSION CONTROL PLAN.
- TEMPORARY EROSION CONTROL DEVICES SHALL BE DETERMINED BY THE CONTRACTOR AND COMPLY WITH TOWN OF ATHERTON STANDARD SPECIFICATIONS.
- ALL REMOVABLE PROTECTION DEVICES SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE 5-DAY RAIN PROBABILITY FORECAST EXCEEDS 40-PERCENT.
- EROSION CONTROL SYSTEMS SHALL BE SERVICED AND MAINTAINED TO PROVIDE CONTINUOUS CAPACITY AND ADEQUACY TO FUNCTION AS DESIGNED. AFTER PRECIPITATION EXCEEDING ONE QUARTER (1/4) INCH IN ANY 12-HOUR PERIOD, OR UPON DIRECTION OF THE CITY ENGINEER, SILT AND DEBRIS SHALL BE REMOVED FROM CHECK DAMS AND DESILTING BASINS AND THE BASINS PUMPED DRY AND OTHERWISE RESTORED TO THE ORIGINAL DESIGN CONDITION.
- DESILTING BASINS CONSTRUCTED OF COMPACTED EARTH SHALL BE COMPACTED TO A RELATIVE COMPACTION OF 90 PERCENT OF MAXIMUM DENSITY. A SOIL ENGINEERING REPORT INCLUDING THE TYPE OF FIELD TESTING PERFORMED, LOCATION AND RESULTS OF TESTING SHALL BE SUBMITTED TO THE CITY ENGINEER FOR APPROVAL UPON COMPLETING THE DESILTING BASIN.
- EROSION CONTROL PROVISIONS SHALL INCLUDE AND COMPLEMENT DRAINAGE PATTERNS DURING THE CURRENT AND FUTURE PHASES OF GRADING THROUGHOUT THE RAINY SEASON.
- THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATER CREATES A HAZARDOUS CONDITION. NECESSARY PRECAUTIONS MAY INCLUDE, BUT NOT BE LIMITED TO APPROPRIATE PERIMETER FENCING OR A 24-HOUR GUARD PREVENTING UNAUTHORIZED PERSONS FROM ENTERING THE BASINS.
- GRADED AREAS AROUND THE TRACT PERIMETER MUST DRAIN AWAY FROM THE FACE OF SLOPES AT THE CONCLUSION OF EACH WORKING DAY.
- PAVED STREETS, SIDEWALKS, AND OTHER IMPROVEMENTS SHALL BE MAINTAINED IN A NEAT AND CLEAN CONDITION, FREE OF LOOSE SOIL, CONSTRUCTION DEBRIS, AND TRASH. STREET SWEEPING OR OTHER EQUALLY EFFECTIVE MEANS SHALL BE USED ON A REGULAR BASIS TO CONTROL EROSION. WATERING SHALL NOT BE USED TO CLEAN STREETS EXCEPT FOR THE REMOVAL OF FINE MATERIAL NOT OTHERWISE REMOVED BY SWEEPING OR OTHER MECHANICAL MEANS.
- STAND-BY CREWS SHALL BE ALERTED BY THE CONTRACTOR, FOR EMERGENCY WORK DURING RAINSTORMS.
- GRAVEL BAGS AND NECESSARY MATERIALS IN ACCORDANCE WITH THE APPROVED PLANS, SHALL BE AVAILABLE ON SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES OR TO REPAIR ANY DAMAGED EROSION CONTROL MEASURES WHEN RAIN IS IMMINENT. A STAND-BY CREW SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON.
- ALL UTILITY TRENCHES SHALL BE BACKFILLED WITHIN 24 HOURS AND MUST BE BACKFILLED BEFORE THE END OF THE WORK DAY IF A 40-PERCENT CHANCE OF RAIN IS PREDICTED.
- A GRAVEL BAG SILT BASIN OR TRAP SHALL BE PROVIDED AT EVERY STORM DRAIN INLET TO PREVENT SEDIMENT FROM ENTERING THE STORM DRAIN SYSTEM.
- A 12-INCH HIGH BY 4-FOOT WIDE BERM SHALL BE MAINTAINED ALONG THE TOP OF THE SLOPE OF THOSE FILLS ON WHICH GRADING IS NOT IN PROGRESS. CONCENTRATED WATER SHALL BE CARRIED NOT CLOSER THAN 10-FEET FROM THE TOP OF SLOPES.
- ALL BUILDING PADS SHALL BE SLOPED TOWARDS THE DRIVEWAY AND VELOCITY CHECK DAMS PROVIDED AT THE BASE OF ALL DRIVEWAYS DRAINING INTO THE STREET. VELOCITY CHECK DAMS SHALL BE PROVIDED ACROSS THE OUTLETS OF ALL LOTS DRAINING INTO THE STREET.
- PROVIDE VELOCITY CHECK DAMS IN ALL UNPAVED STREET AREAS AT THE INTERVALS INDICATED, VELOCITY CHECK DAMS MAY BE CONSTRUCTED OF GRAVEL BAGS, TIMBER, OR OTHER EROSION RESISTANT MATERIALS APPROVED BY THE CITY ENGINEER, AND SHALL EXTEND COMPLETELY ACROSS THE STREET AT RIGHT ANGLES TO THE CENTERLINE. EARTH DIKES MAY NOT BE USED AS VELOCITY CHECK DAMS. CHECK DAM INSTALLATION SHALL PROVIDE FOR THE PREVENTION OF EROSION AROUND THE ENDS OF THE DAM.

UTILITY CONTACTS

ATHERTON FIBER	(760) 224-1860
CALIFORNIA WATER	(650) 854-5454
COMCAST	(415) 859-0870
COUNTY OF SAN MATEO	(650) 599-1403
CVN LLC	(559) 554-9114
MCI WORLDCOM	(800) 624-9675
PACIFIC BELL/AT&T	(510) 645-2929
PACIFIC GAS & ELECTRIC	(408) 482-0939
SAN FRANCISCO PUC	(650) 871-3025
SPRINT	(913) 253-4623
WEST BAY SANITATION DISTRICT	(650) 321-0384
ZAYO	(800) 961-6500

ABBREVIATIONS

AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
AP	ANGLE POINT
AV	AIR VAC
BC	BEGIN CURVE
BCR	BEGIN CURB RETURN
BEG.	BEGIN
BOT	BOTTOM
BVC	BEGIN VERTICAL CURVE
BW	BACK OF WALK
BX	BOTTOM OF X
C&G	CURB AND GUTTER
CAB	CRUSHED AGGREGATE BASE
CB	CATCH BASIN
CL	CENTERLINE
C/F	CURB FACE
CIR	COLD IN-PLACE RECYCLE
CLF	CHAIN LINK FENCE
CLR	CLEAR
CONC	CONCRETE
CONST	CONSTRUCTION
CPC	CALIFORNIA PLUMBING CODE
DI	DUCTILE IRON
DWY	DRIVEWAY
DWG	DRAWING
E	EAST
EC	END CURVE
ECR	END CURB RETURN
EG	EDGE OF GUTTER
ELEV	ELEVATION
EOP/EP	EDGE OF PAVEMENT
EVC	END VERTICAL CURVE
EX/EXIST	EXISTING
FDR	FULL DEPTH RECLAMATION
FG	FINISHED GRADE
FH	FIRE HYDRANT
FL	FLOWLINE
FS	FINISHED SURFACE
GI	GALVANIZED IRON
GL	GUTTER LIP
GB	GRADE BREAK
HDPPE	HIGH-DENSITY POLYETHYLENE
HMA	HOT MIX ASPHALT
HTF	HIGH TENSILE FIBER
INT	INTERSECTION
INV	INVERT
L	LENGTH
LF	LINEAR FEET
LIP	LIP OF GUTTER
LT	LEFT
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
N	NORTH
N'LY	NORTHERLY
NO	NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OG	ORIGINAL GROUND
OH	OVERHEAD
PI	POINT OF INTERSECTION
PCC	PORTLAND CEMENT CONCRETE
PC&E	PACIFIC GAS AND ELECTRIC
PMB	PROCESSED MISCELLANEOUS BASE
POC	POINT OF CONNECTION
PP	POWER POLE
PPB	PEDESTRIAN PUSH BUTTON
PRC	POINT OF REVERSE CURVE
PROP	PROPOSED
PRVC	POINT OF REVERSE VERTICAL CURVE
PT	POINT
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
R	RATE, RADIUS
R.C.	RELATIVE COMPACTION
RCP	REINFORCED CONCRETE PIPE
REQ'D	REQUIRED
RSP	ROCK SLOPE PROTECTION
RT	RIGHT
R/W	RIGHT-OF-WAY
S	SLOPE
S'LY	SOUTHERLY
SCE	SOUTHERN CALIFORNIA EDISON
SCH	SCHEDULE
SDMH	STORM DRAIN MANHOLE
SDWK	SIDEWALK
ST	STREET
STA	STATION
STD	STANDARD
ST.GR.	STRAIGHT GRADE
TC	TOP OF CURB
TELE	TELEPHONE
TG	TOP OF GRATE
TOP	TOP OF PLATFORM
TR	TOP OF RAIL
TW	TOP OF WALL
TX	TOP OF X
TYP	TYPICAL
V	DEPTH
VAR	VARIABLE
VCP	VITRIFIED CLAY PIPE
W	WIDTH, WEST
WM	WATER METER

BASIS OF BEARING:

HORIZONTAL DATUM IS NAD83 (2011) EPOCH 2010.0000. COORDINATES ARE CALIFORNIA STATE PLANE COORDINATE SYSTEM, ZONE 3 SCALED TO GROUND ABOUT CONTROL POINT CP1. TO OBTAIN GRID DISTANCES SCALE COORDINATES 0.99994412 ABOUT POINT 101 BASED ON THE SURVEY BY WILLDAN ON MARCH 2, 2023. VERTICAL DATUM IS NAVD88 BASED ON NGS OPUS SOLUTION FOR THE PROJECT TAKEN FROM POINT 101, ELEVATION=52.01' UNDERGROUND UTILITY LINES ARE APPROXIMATE LOCATIONS ONLY.

SFPUC GENERAL NOTES:

- THE CITY AND COUNTY OF SAN FRANCISCO ACTING BY AND THROUGH ITS PUBLIC UTILITIES COMMISSION, WATER SUPPLY AND TREATMENT DIVISION ("SFPUC") OWNS AND OPERATES ONE WATER AQUEDUCT THAT CROSSES THE PROJECT ALIGNMENT. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT (USA) 48 HOURS BEFORE ANY CONSTRUCTION IN THE VICINITY OF THE SFPUC AQUEDUCTS. IN ADDITION, THE CONTRACTOR SHALL NOTIFY THE SFPUC CONSTRUCTION INSPECTOR, MR. ALBERT HAO, AT (650) 871-3015, AT LEAST TEN (10) CALENDAR DAYS PRIOR TO THE START OF ON-SITE CONSTRUCTION IN THE VICINITY OF THE SFPUC ROW. IN THE EVENT OF EMERGENCY INVOLVING SFPUC FACILITIES, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY SFPUC BY CALLING SFPUC MILLBRAE DISPATCH AT 650-872-5900.
- NO MECHANICAL EXCAVATION IS ALLOWED WITHIN 24 INCHES OF SFPUC PIPELINES. DIGGING WITHIN 24 INCHES OF PIPELINE MUST BE DONE WITH HAND TOOL. NO VIBRATORY COMPACTION EQUIPMENT SHALL BE USED WITHOUT PRIOR WRITTEN APPROVAL OF THE SFPUC.
- CONTRACTOR SHALL OBTAIN CONSENT FROM THE SFPUC TO POTHOLE SFPUC PIPELINE TO DETERMINE THE PIPE DEPTH PRIOR TO ANY EXCAVATION. THE POTHOLING SHALL BE CARRIED OUT BY SOIL VACUUM EXTRACTION METHOD.
- MAXIMUM EXTERNAL LOADING OVER SFPUC PIPELINE IS AASHTO H-10 LOADING WITH A MINIMUM OF 3 FEET SOIL COVER (OR H-20 LOADING WITH A MINIMUM OF 4 FEET SOIL COVER). IF LOADING CONDITION EXCEEDS ABOVE, ENGINEERING CALCULATIONS AS SHOWN IN AWWA, M9 MUST BE SUBMITTED TO THE SFPUC TO SHOW THAT PROPOSED CONDITION WOULD IMPOSE A LOAD OF LESS THAN 500 PSF ON TO THE PIPELINE.

CONSTRUCTION NOTES

- CONSTRUCT RAISED AC TABLE TOP PER SECTION A-A AND B-B ON DWG NO. C-1
- INSTALL TRUNCATED DOMES PER CALTRANS STD PLAN A88A
- CONSTRUCT CURB RAMP PER CALTRANS STD PLAN A88A INCLUDING SLOT PAVING. CASE PER PLAN.
- CONSTRUCT SIDEWALK PER DETAIL 4 ON DWG. NO. CD-1
- CONSTRUCT CURB AND GUTTER PER DETAIL 3 ON DWG. NO. CD-1.
- CONSTRUCT CURB PER CALTRANS STD PLAN A87A (TYPE A1, CURB HEIGHT VARIES PER PLAN).
- CONSTRUCT REVERSE PARKWAY DRAIN PER DETAIL 2 ON DWG. NO. CD-1
- CONSTRUCT OVERFLOW PARKWAY DRAIN PER DETAIL 1 ON DWG. NO. CD-1
- CONSTRUCT BIOSWALE PER SECTION D-D ON DWG. NO. C-2
- CONSTRUCT BIORETENTION AREA PER SECTION C-C ON DWG. NO. C-2
- GRADE TRAIL. SEE SECTION E-E ON DWG. NO. C-2
- TRIM TREE
- SLURRY SEAL
- BACKFILL AND GRADE
- PROTECT IN PLACE
- REMOVE
- RELOCATE

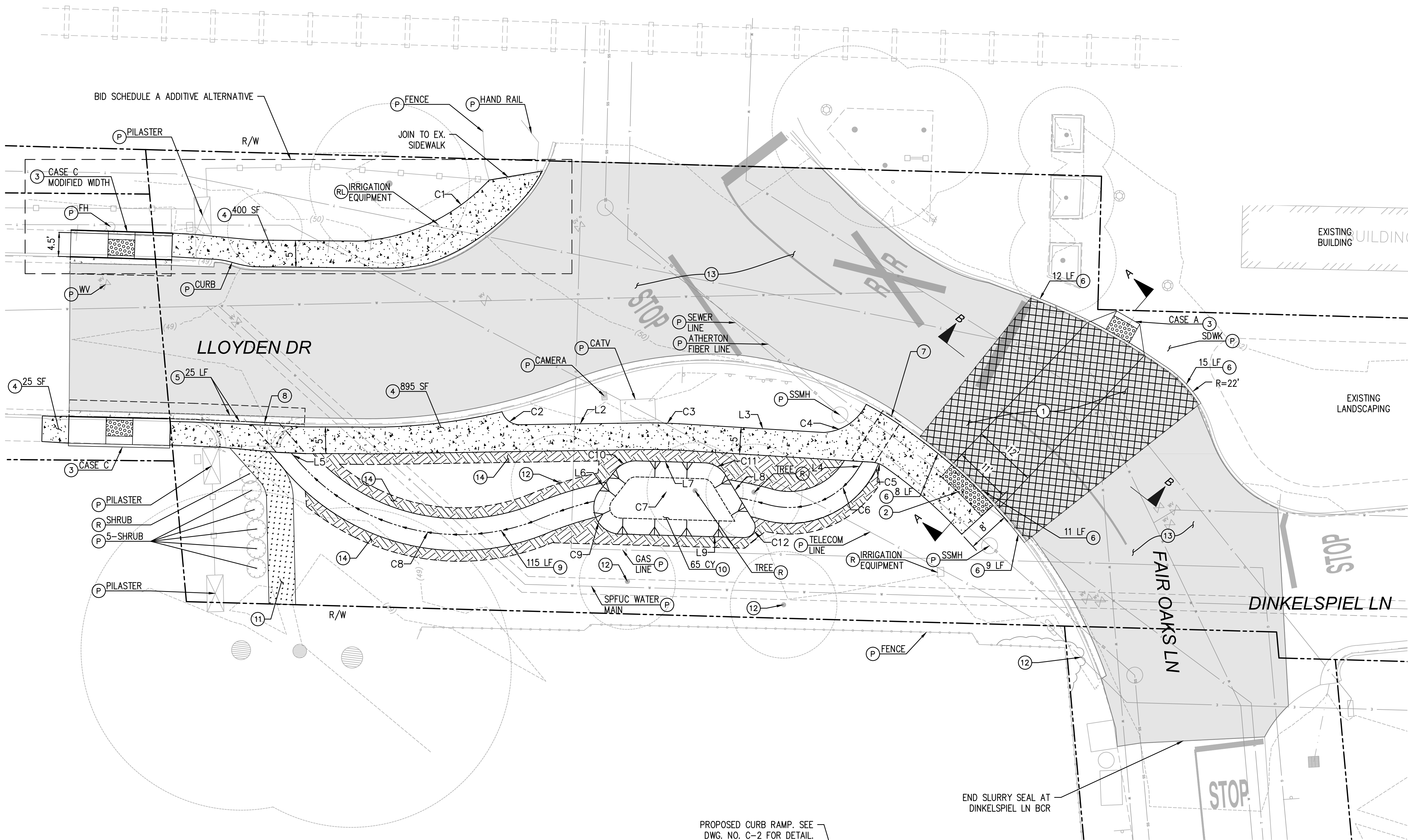
LEGEND

	RAISED AC TABLE TOP
	PCC IMPROVEMENTS
	GRADE TRAIL
	INSTALL TRUNCATED DOMES
	SLURRY SEAL
	BACKFILL AND GRADE

USANORTH811.ORG	R E V I S I O N S						WILLDAN Engineering extending your reach	SCALE: AS SHOWN DRAWN BY: CL DESIGNED BY: CS,MC,CL CHECKED BY: CS,TP DATE: 1/19/24		TOWN OF ATHERTON DEPARTMENT OF PUBLIC WORKS 91 ASHFIELD ROAD ATHERTON, CA 94027	APPROVED	DATE	TOWN OF ATHERTON	SHEET	
	NO.	INITIAL	DESCRIPTION	APPROVED BY						DATE			FAIR OAKS LANE/LLOYDEN DRIVE/DINKELSPIEL LANE INTERSECTION IMPROVEMENTS	1 OF 11	
														DWG. NO.	
														T-1	

BID SET 1/19/2024

CALTRAIN RAILROAD



NOTES:

1. FOR DETAILS NOT SHOWN, SEE TRAFFIC AND LANDSCAPE PLANS
2. TREE REMOVAL SHALL BE INCLUDING ROOTS TO 24-INCH DEPTH

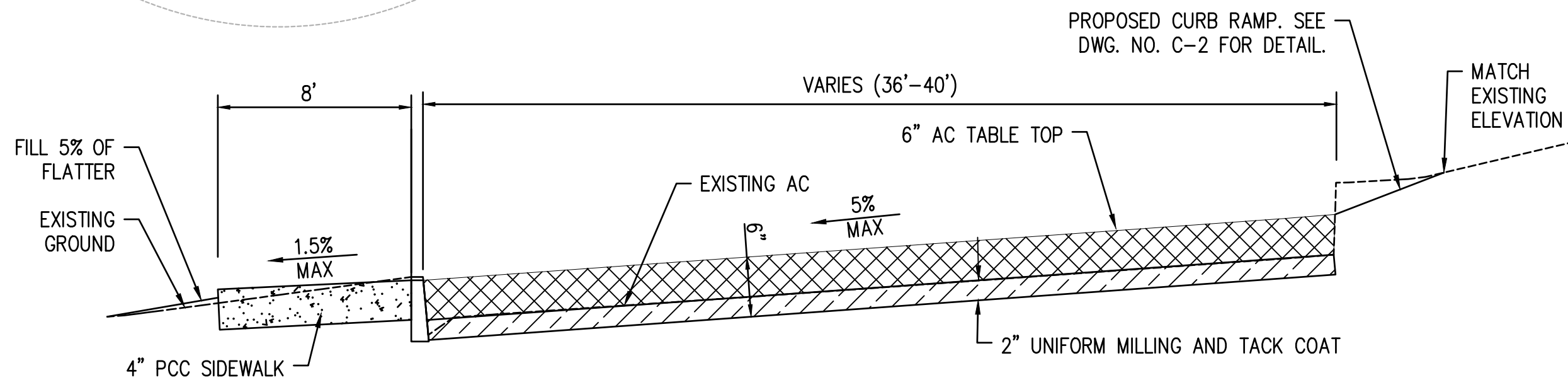
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10. CONSTRUCT BIORETENTION AREA PER SECTION C-C ON DWG. NO. C-2
11. GRADE TRAIL. SEE SECTION E-E ON DWG. NO. C-2
12. TRIM TREE
13. SLURRY SEAL
14. BACKFILL AND GRADE
- (P) PROTECT IN PLACE
- (R) REMOVE
- (RL) RELOCATE

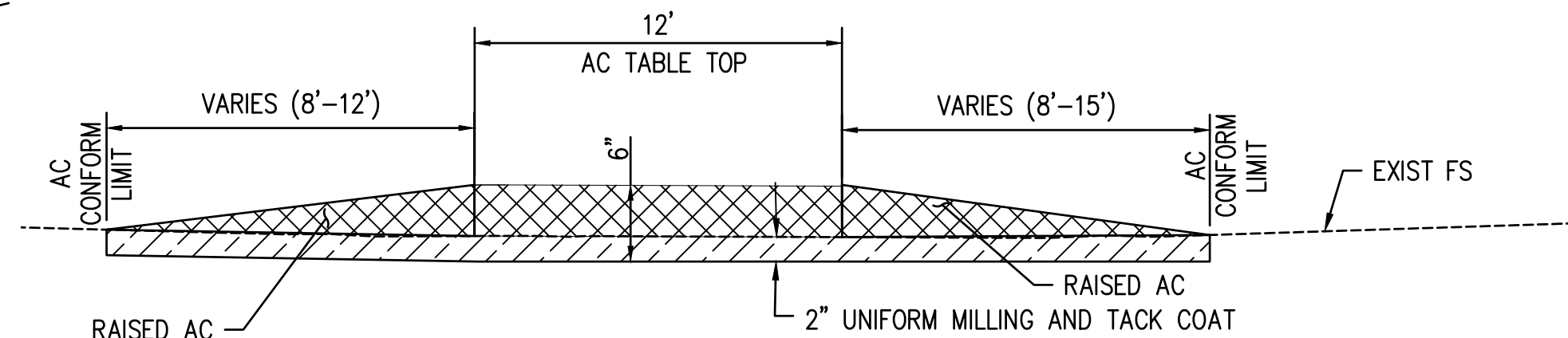
LEGEND

- RAISED AC TABLE TOP
- PCC IMPROVEMENTS
- GRADE TRAIL
- INSTALL TRUNCATED DOMES
- SLURRY SEAL
- BACKFILL AND GRADE

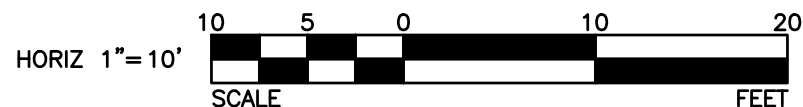
LINE AND CURVE TABLE				
LINE/CURVE	RADIUS (FT)	LENGTH (FT)	BEARING/Δ	TANGENT
C1	36.00'	27.59'	043°54'46"	14.51'
C2	3.50'	4.44'	072°40'11"	2.57'
C3	100.00'	7.52'	004°18'31"	3.76'
C4	9.50'	9.96'	060°04'04"	5.49'
C5	5.00'	2.73'	031°14'11"	1.40'
C6	15.00'	19.07'	072°49'45"	11.06'
C7	65.00'	43.33'	038°11'35"	22.50'
C8	40.00'	50.07'	071°43'00"	28.91'
C9	5.00'	11.01'	126°08'43"	9.84'
C10	5.00'	4.70'	053°51'17"	2.54'
C11	5.00'	5.00'	057°14'27"	2.73'
C12	2.00'	4.29'	122°45'33"	3.67'
L2	-	22.62'	S52°42'44"E	-
L3	-	26.87'	S48°24'13"E	-
L4	-	2.06'	N70°56'13"E	-
L5	-	1.96'	S02°42'37"E	-
L6	-	4.71'	S75°52'57"W	-
L7	-	12.62'	N50°15'46"W	-
L8	-	10.02'	N06°58'41"E	-
L9	-	23.34'	S50°15'46"E	-



SECTION A-A
NO SCALE



SECTION B-B
NO SCALE

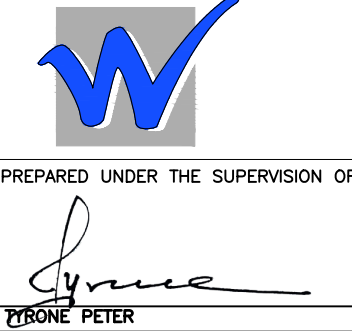
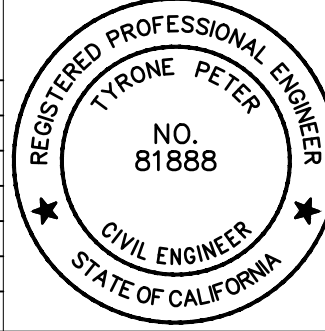


USANORTH11.03



REVISIONS

NO.	INITIAL	DESCRIPTION	APPROVED BY	DATE



WILLDAN
Engineering
extending
your
reach
PREPARED UNDER THE SUPERVISION OF
Tyronne Peter
CIVIL ENGINEER
STATE OF CALIFORNIA
1/19/2024
DATE
R.C.E. 81888

SCALE: AS SHOWN
DRAWN BY: CL
DESIGNED BY: CSM/CCL
CHECKED BY: CS/TP
DATE: 1/19/24



TOWN OF ATHERTON
DEPARTMENT OF PUBLIC WORKS
91 ASHFIELD ROAD
ATHERTON, CA 94027
APPROVED
DIRECTOR OF PUBLIC WORKS
ROBERT OVADA R.C.E. No. 52664
DATE

TOWN OF ATHERTON
FAIR OAKS LANE/LLOYDEN DRIVE/DINKELSPIEL LANE
INTERSECTION IMPROVEMENTS
LAYOUT PLAN

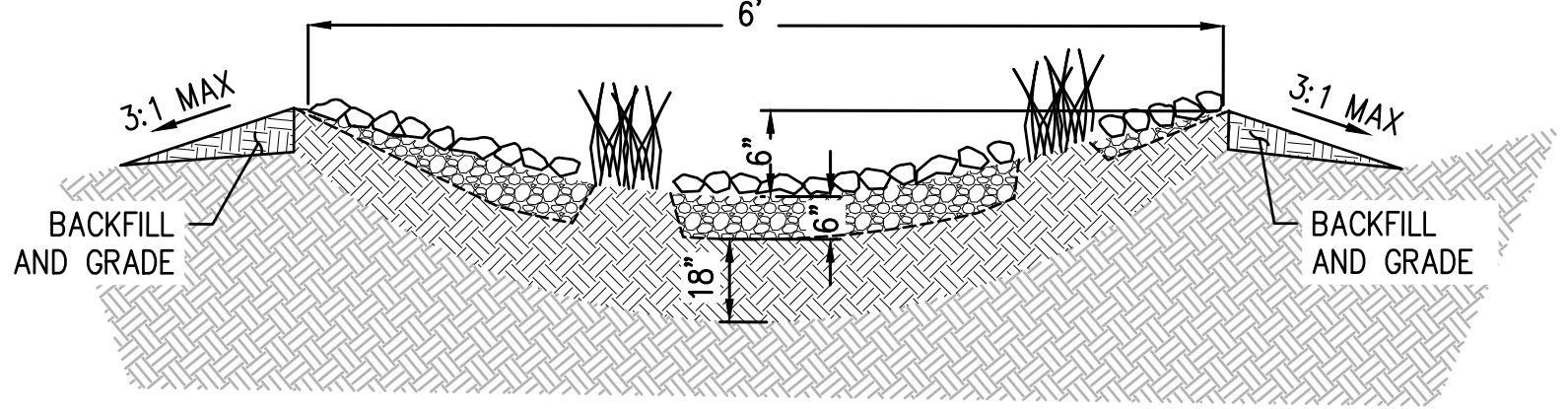
SHEET

2 OF 11

DWG. NO.
C-1

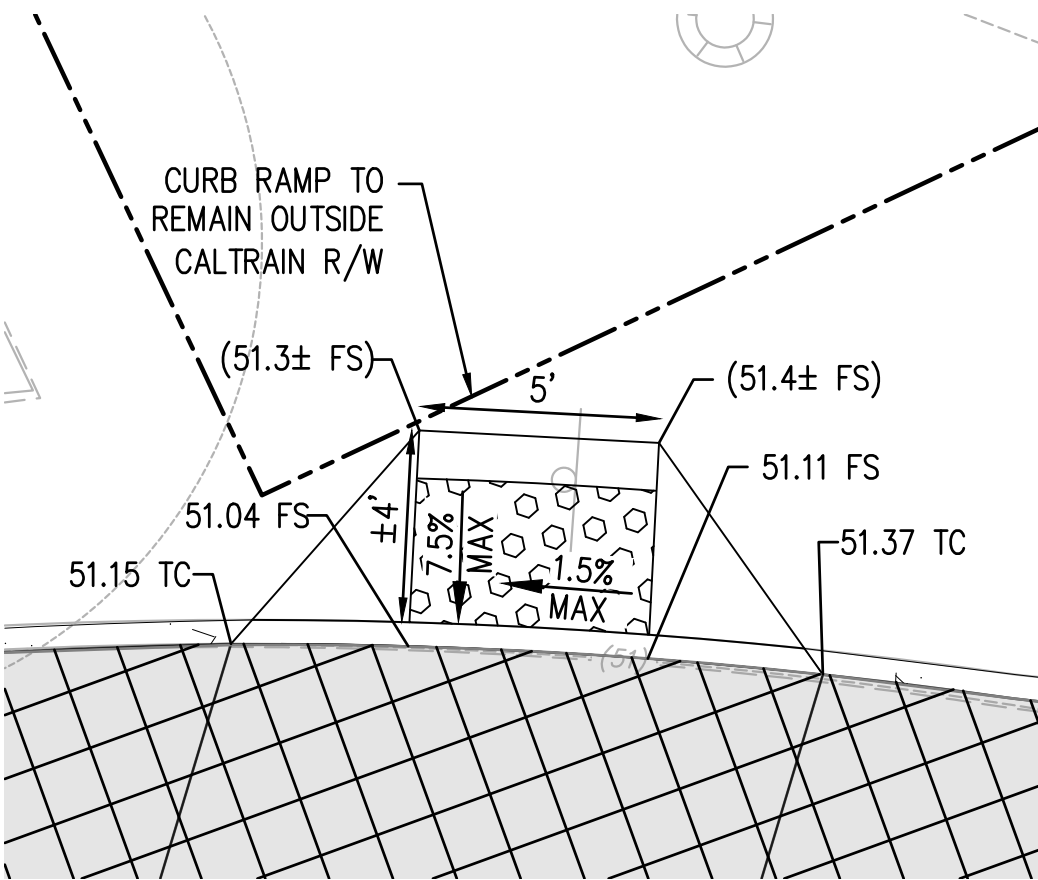
BID SET 1/19/2024

CALTRAIN RAILROAD

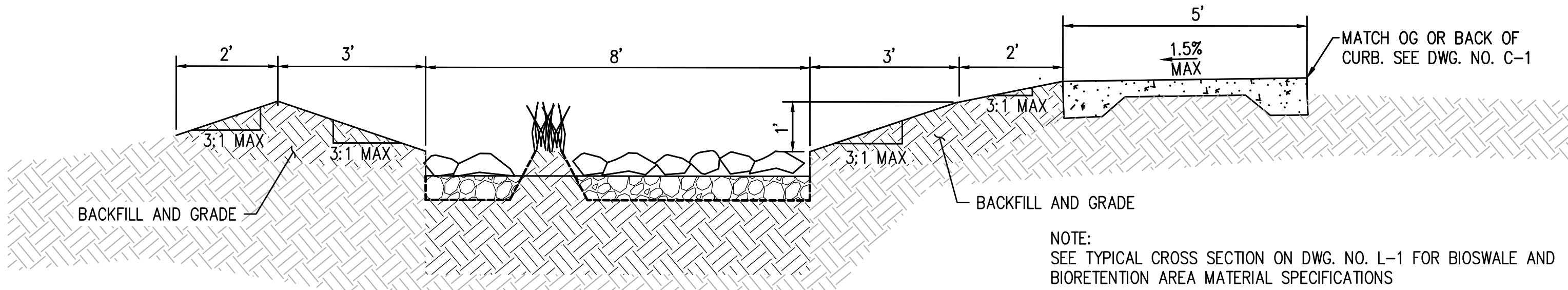
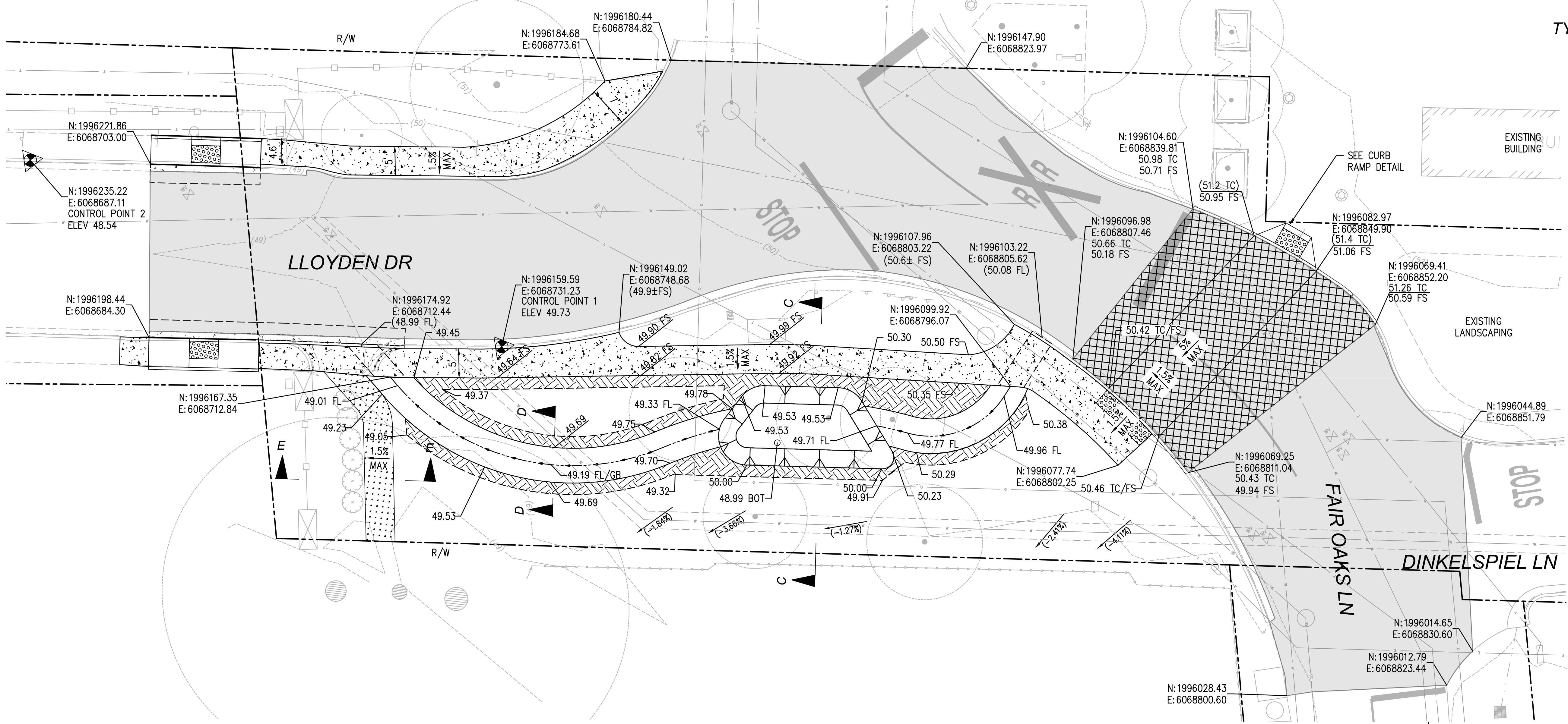


SECTION D-D
TYPICAL CROSS SECTION OF BIOSWALE
NO SCALE

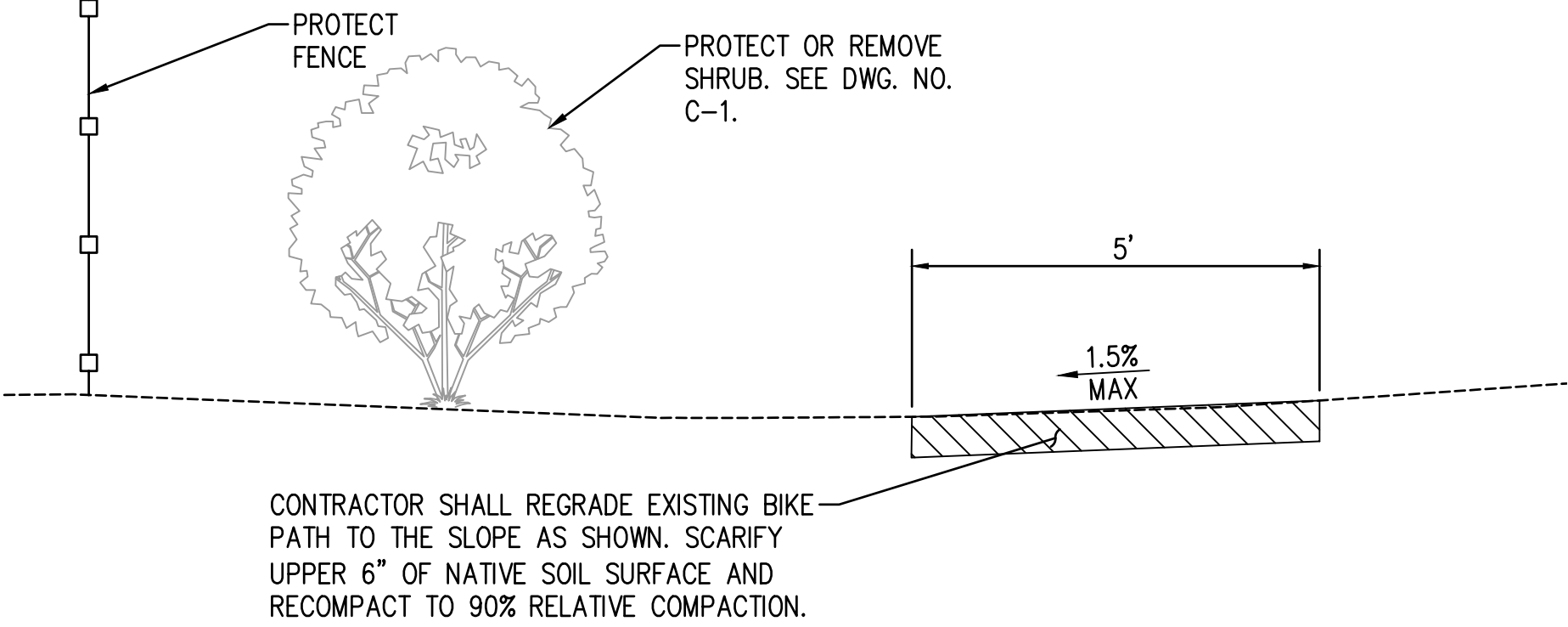
NOTE:
SEE TYPICAL CROSS SECTION ON DWG. NO. L-1 FOR BIOSWALE MATERIAL SPECIFICATIONS



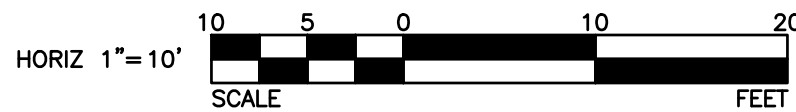
CURB RAMP DETAIL
NO SCALE



SECTION C-C
TYPICAL CROSS SECTION OF BIORETENTION BASIN
NO SCALE



SECTION E-E
TYPICAL CROSS SECTION OF BIKE/PEDESTRIAN PATH
NO SCALE



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1/19/2024
DATE

SCALE:	AS SHOWN	DATE:	1/19/24
DRAWN BY:	CS	DATE:	1/19/24
DESIGNED BY:	CS/MCL	DATE:	1/19/24
CHECKED BY:	CS/TP	DATE:	1/19/24



TOWN OF ATHERTON
DEPARTMENT OF PUBLIC WORKS
91 ASHFIELD ROAD
ATHERTON, CA 94027
APPROVED
DIRECTOR OF PUBLIC WORKS
ROBERT OVADA R.C.E. No. 52664
DATE

TOWN OF ATHERTON
FAIR OAKS LANE/LLOYDEN DRIVE/DINKELSPIEL LANE
INTERSECTION IMPROVEMENTS
GRADING AND DRAINAGE PLAN

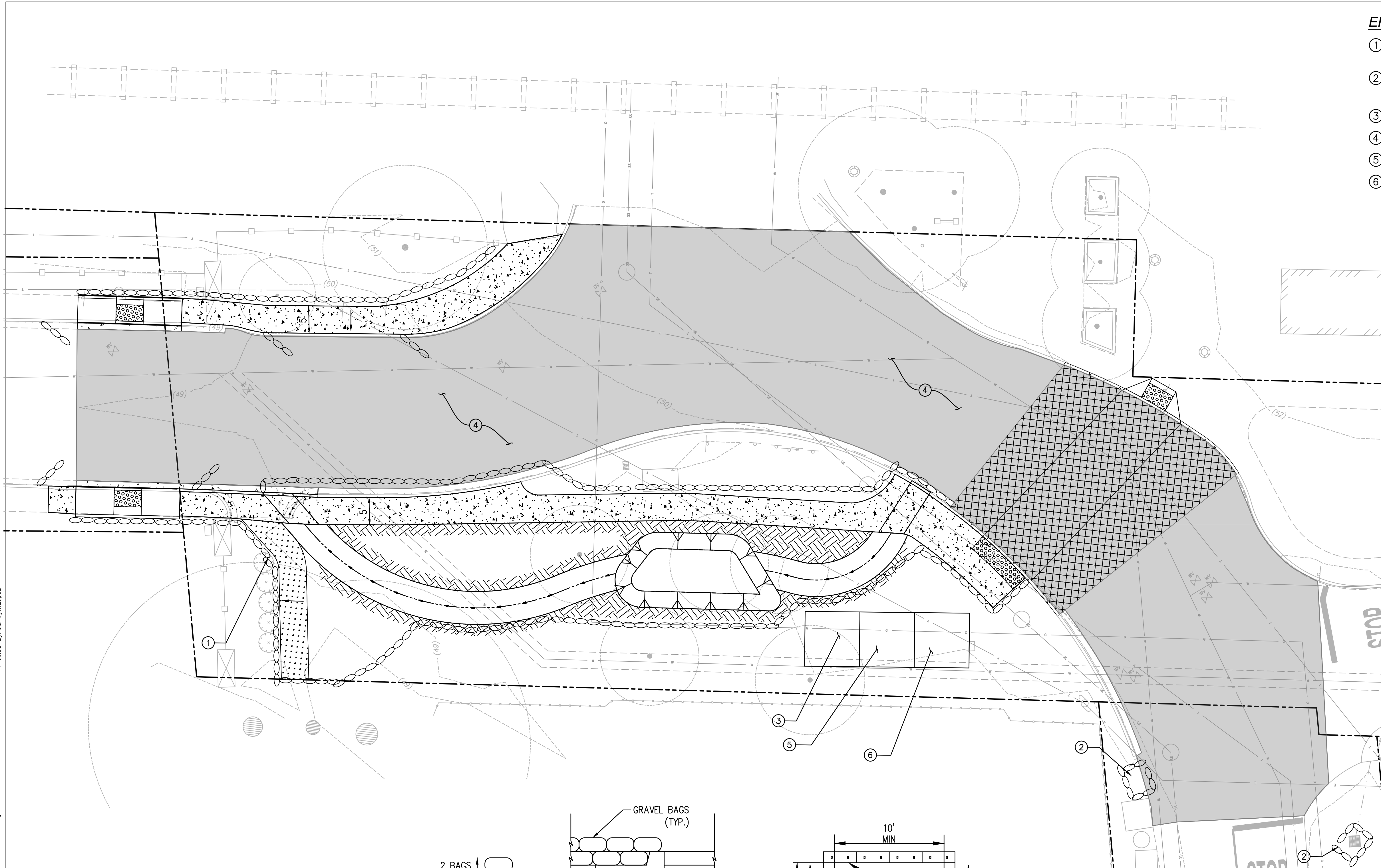
SHEET
3 OF 11
DWG. NO.
C-2

Plotted By: Camryn Lopez

W:\WE-CA\Atherton, Town of\11999.03 - Fair Oaks Ln-Lloyd Dr Intersection Improvements\900-PS&E\901-Plans\PL-GRAD-01.dwg Jan 19, 2024 - 11:20am

BID SET 1/19/2024

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Know what's below.
Call before you dig.



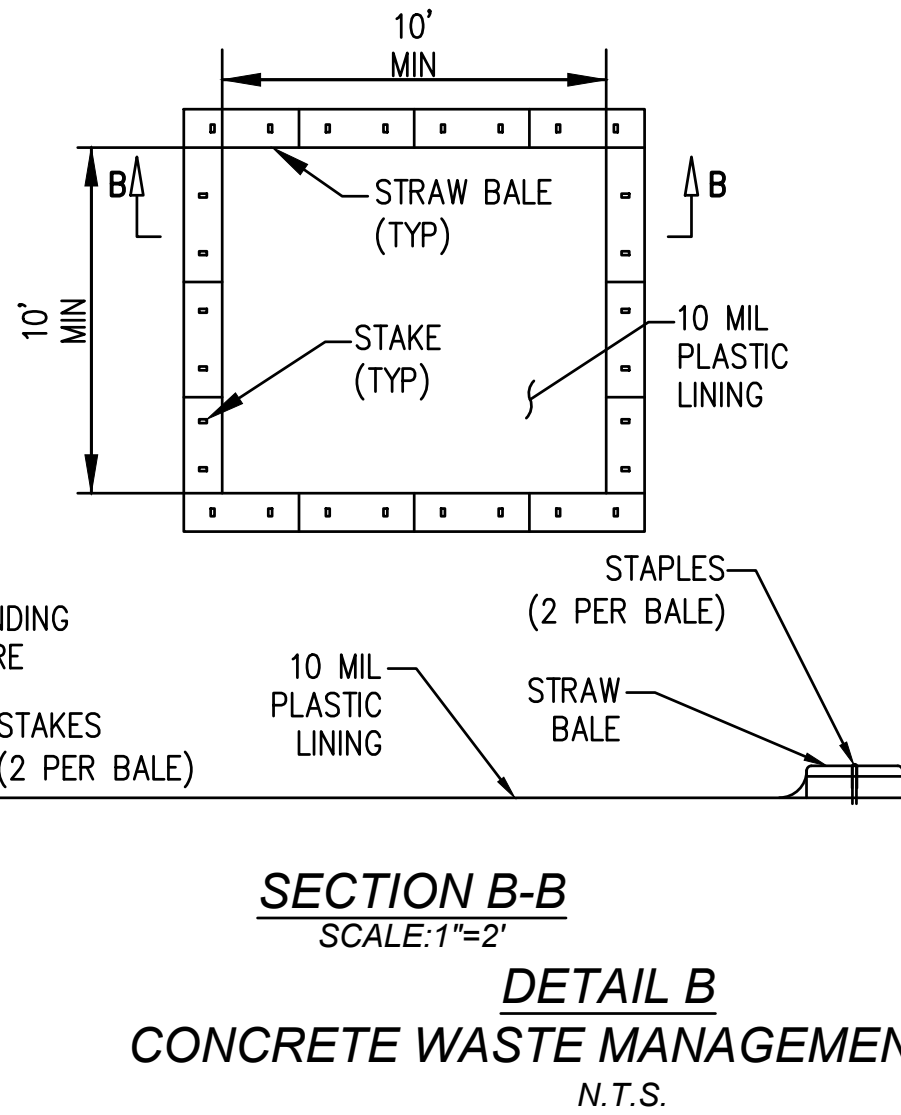
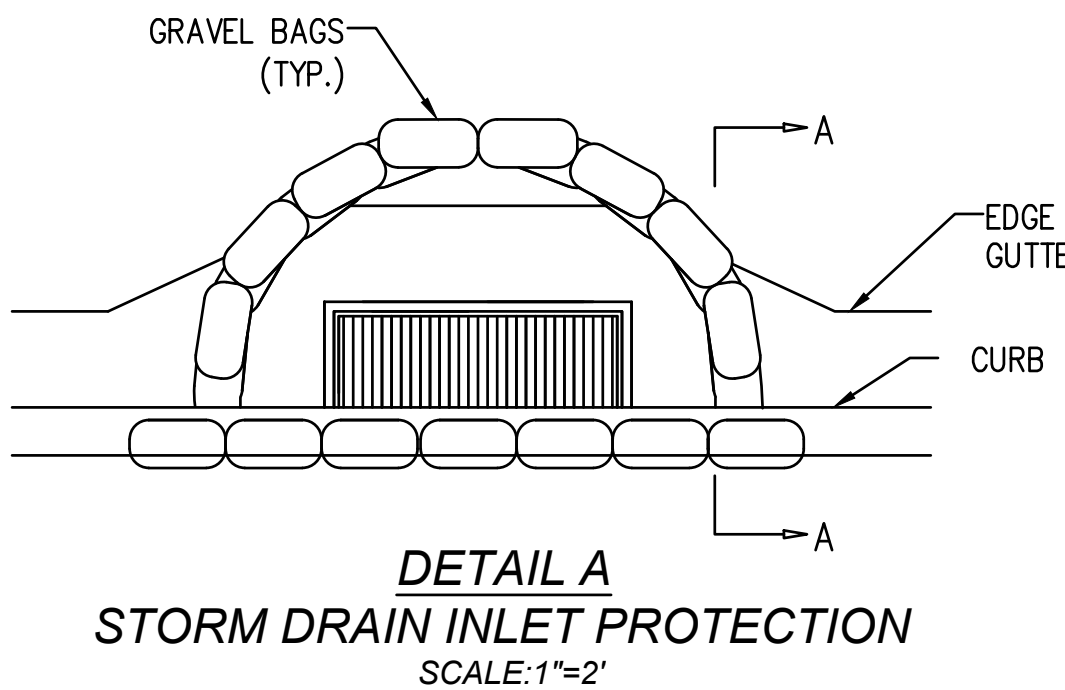
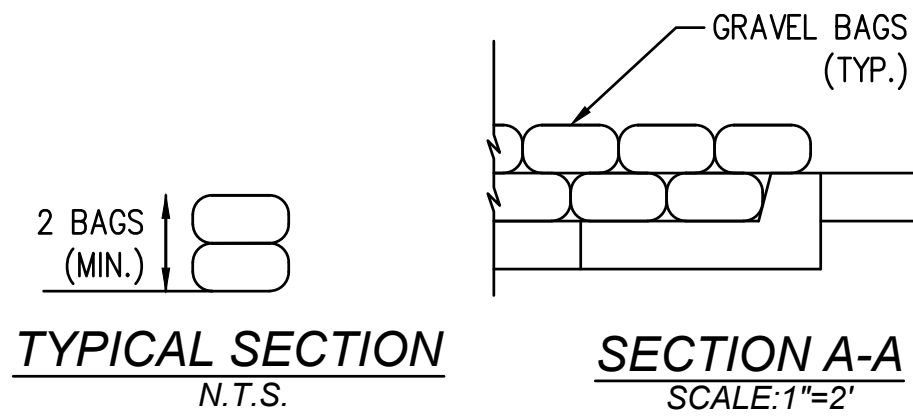
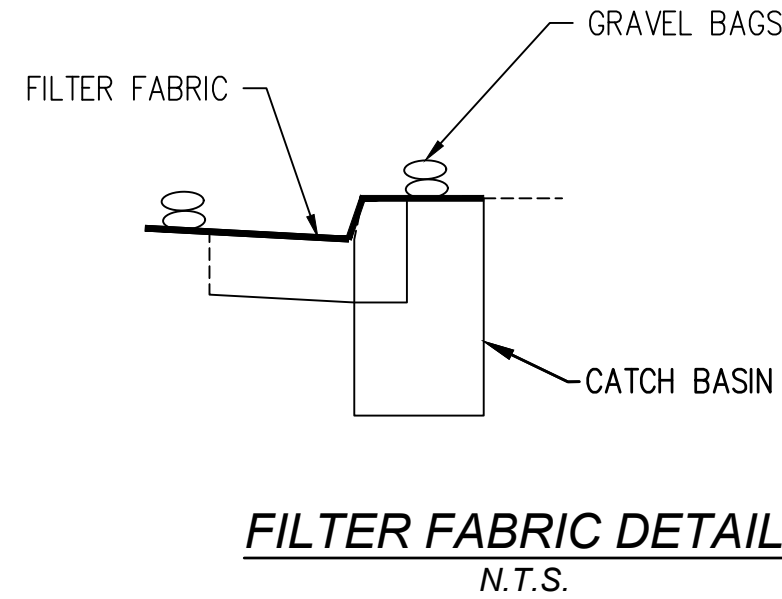
EROSION CONTROL NOTES (THIS SHEET ONLY):

1. INSTALL GRAVEL BAG BERMS PER DETAILS HEREON (SE-6)
2. INSTALL STORM DRAIN PROTECTION GRAVEL BAGS PER DETAIL A HEREON (SE-10)
3. PROVIDE CONCRETE WASTE MANAGEMENT AREA (WM-8)
4. STREET SWEEPING (SE-7)
5. MATERIAL DELIVERY AND STORAGE (WM-1)
6. SOLID WASTE MANAGEMENT (WM-5)

NPDES NOTES:

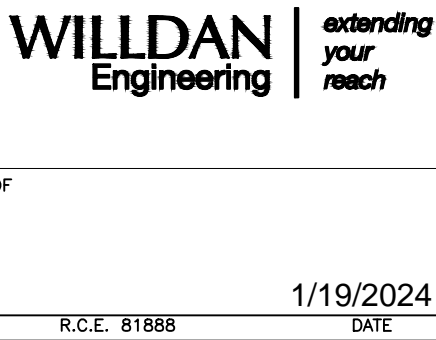
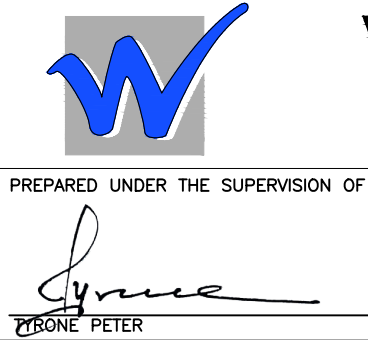
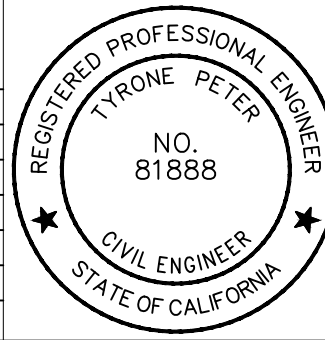
1. THE CONTRACTOR SHALL TAKE ALL NECESSARY AND PROPER PRECAUTIONS TO PROTECT ADJACENT PROPERTIES FROM ANY AND ALL DAMAGE THAT MAY OCCUR FROM STORM WATER RUNOFF AND/OR DEPOSITION OF DEBRIS RESULTING FROM ANY AND ALL WORK IN CONNECTION WITH CONSTRUCTION ACTIVITIES.
2. THE CONTRACTOR SHALL PREPARE A WET WEATHER EROSION CONTROL PLAN DELINEATING BMPs TO BE INSTALLED PER NPDES, SWPPP, SUSMP, AND LID LOCAL, STATE, AND FEDERAL REGULATIONS TO BE APPROVED BY THE CITY PRIOR TO THE START OF CONSTRUCTION.
3. ERODED SEDIMENTS AND OTHER POLLUTANTS SHALL BE RETAINED ON SITE AND SHALL NOT BE ALLOWED TO LEAVE THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES, OR WIND.
4. STOCKPILES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIAL SHALL BE PROTECTED FROM LEAVING THE SITE BY THE FORCES OF WIND OR WATER.
5. FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS SHALL BE STORED IN ACCORDANCE WITH THEIR LISTING AND SHALL NOT CONTAMINATE THE SOIL SURFACE WATERS.
6. SPILLS SHALL BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS SHALL NOT BE WASHED INTO THE DRAINAGE SYSTEM. EXCESS OR WASTE CONCRETE SHALL NOT BE WASHED INTO THE PUBLIC RIGHT OF WAY OR ANY OTHER DRAINAGE.
7. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE. TRASH AND CONSTRUCTION RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND. SEDIMENTS AND OTHER MATERIALS SHALL NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC.
8. THE CONSTRUCTION ENTRANCE ROADWAYS SHALL BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS SHALL BE SWEEPED UP IMMEDIATELY AND SHALL NOT BE WASHED DOWN BY RAIN OR OTHER MEANS. ANY SLOPES WITH DISTURBED SOILS OR DENUED OF VEGETATION MUST BE STABILIZED AS TO INHIBIT EROSION BY WIND AND WATER.
9. THE FOLLOWING BMPs AS OUTLINED IN, BUT NOT LIMITED TO, THE CALIFORNIA STORM WATER BEST MANAGEMENT PRACTICE HANDBOOK, CALIFORNIA STORM WATER QUALITY TASK FORCE, SACRAMENTO, CALIFORNIA, THE LATEST REVISED EDITION MAY APPLY DURING CONSTRUCTION (ADDITIONAL MEASURES MAY BE REQUIRED IF DEEMED APPROPRIATE BY THE INSPECTOR):

- WM-1: MATERIAL DELIVERY
WM-2: MATERIAL USE
WM-3: STOCKPILE MANAGEMENT
WM-4: SPILL PREVENTION AND CONTROL
WM-5: SOLID WASTE MANAGEMENT
WM-8: CONCRETE WASTE MANAGEMENT
NS-9: VEHICLE AND EQUIPMENT FUELING
NS-10: VEHICLE AND EQUIPMENT MAINTENANCE
SS-1: SCHEDULING
SS-7: STREET SWEEPING
SS-7: TEMPORARY COVER (GEOTEXTILES AND MATS)
SS-10: STORM DRAIN INLET PROTECTION (COVER ALL DOWNSTREAM CATCH BASINS NOT SHOWN IN DRAWING)
NS-6: ILLEGIT/ILLEGAL DISCHARGE CONNECTION
NS-12: CONCRETE CURING
NS-14: CONCRETE FINISHING

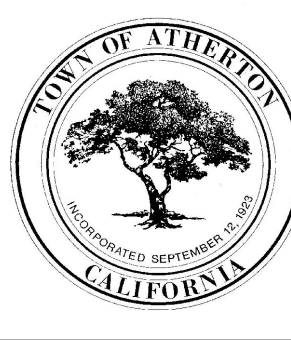


REVISIONS

NO.	INITIAL	DESCRIPTION	APPROVED BY	DATE



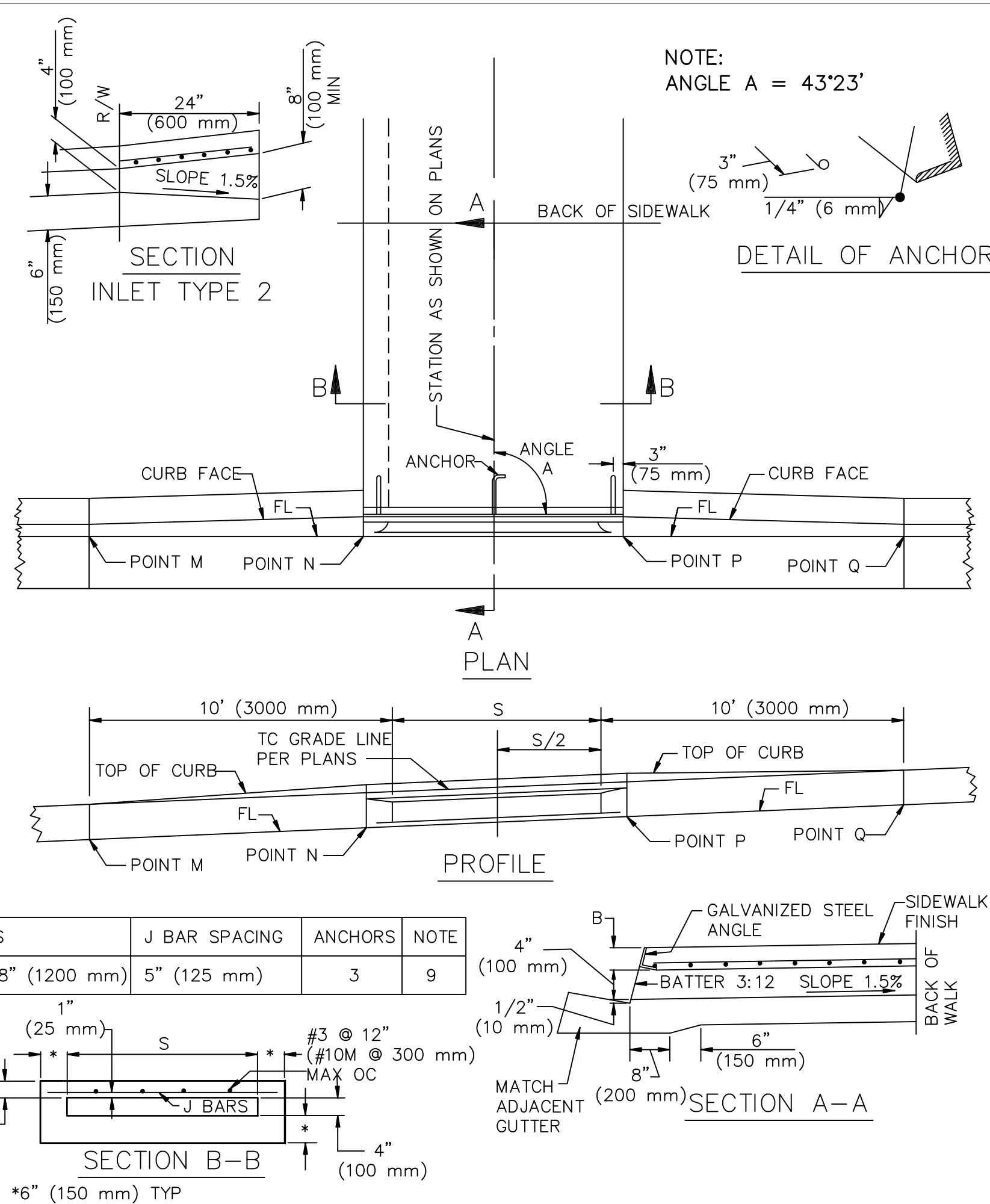
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DRAWN BY:	CS	DATE:	1/19/24
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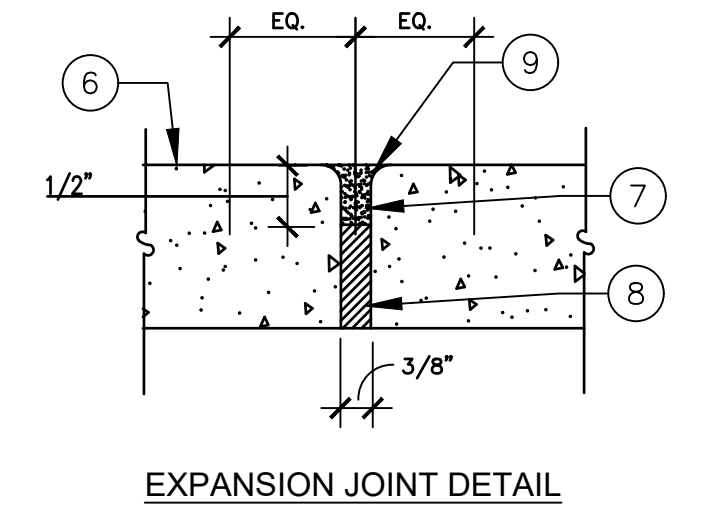
TOWN OF ATHERTON
DEPARTMENT OF PUBLIC WORKS
91 ASHFIELD ROAD
ATHERTON, CA 94027
APPROVED
DIRECTOR OF PUBLIC WORKS
ROBERT OVADIA R.C.E. No. 52664
DATE

TOWN OF ATHERTON
FAIR OAKS LANE/LLOYDEN DRIVE/DINKELSPIEL LANE
INTERSECTION IMPROVEMENTS
EROSION CONTROL PLAN

SHEET
4 OF 11
DWG. NO.
EC-1



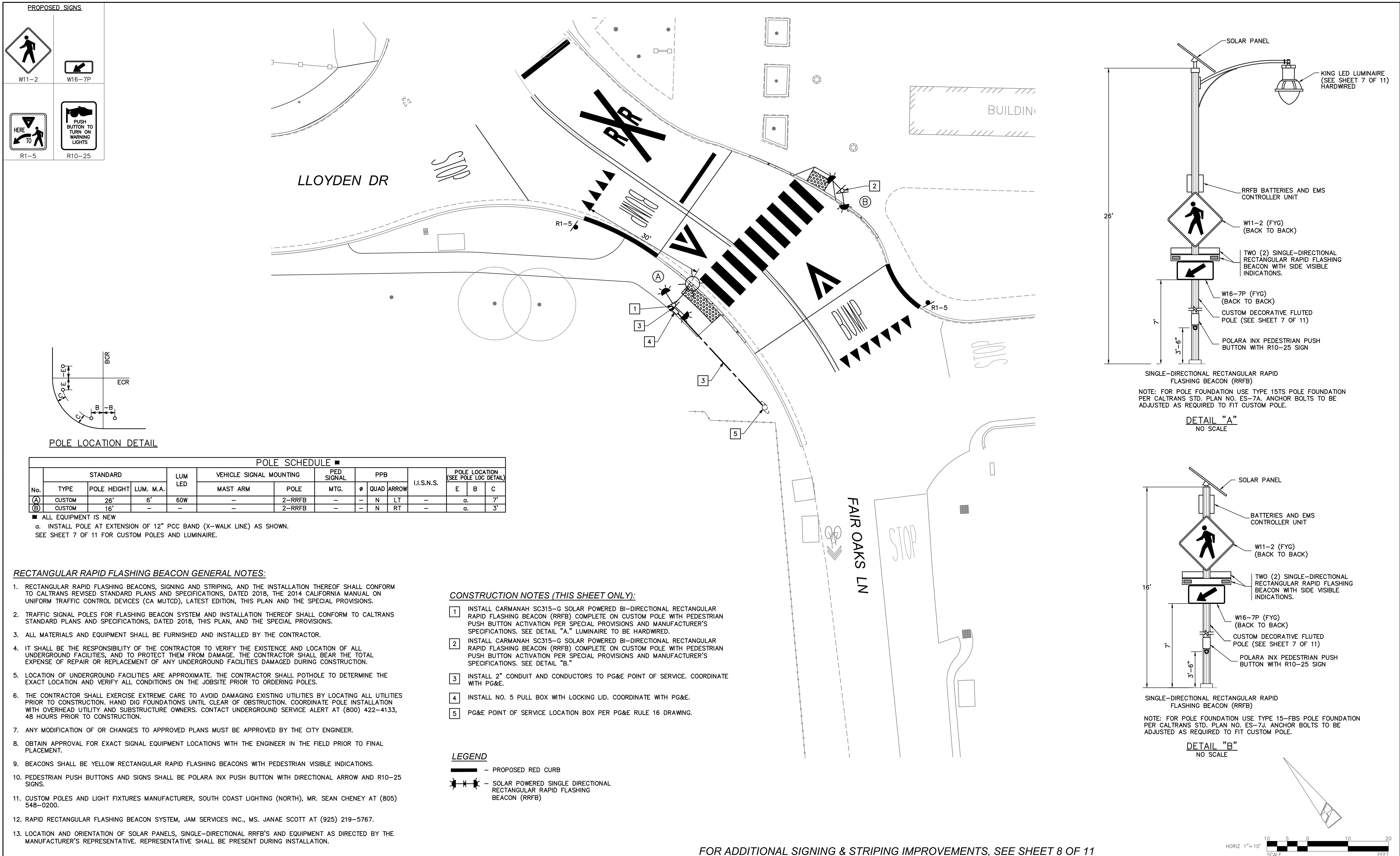
- NOTE:
1. ACROSS THE PEDESTRIAN ROUTE AT CURB RAMP LOCATIONS,
THE GUTTER PAN SLOPE SHALL NOT EXCEED 1" OF DEPTH
FOR EACH 2'-0" OF WIDTH.

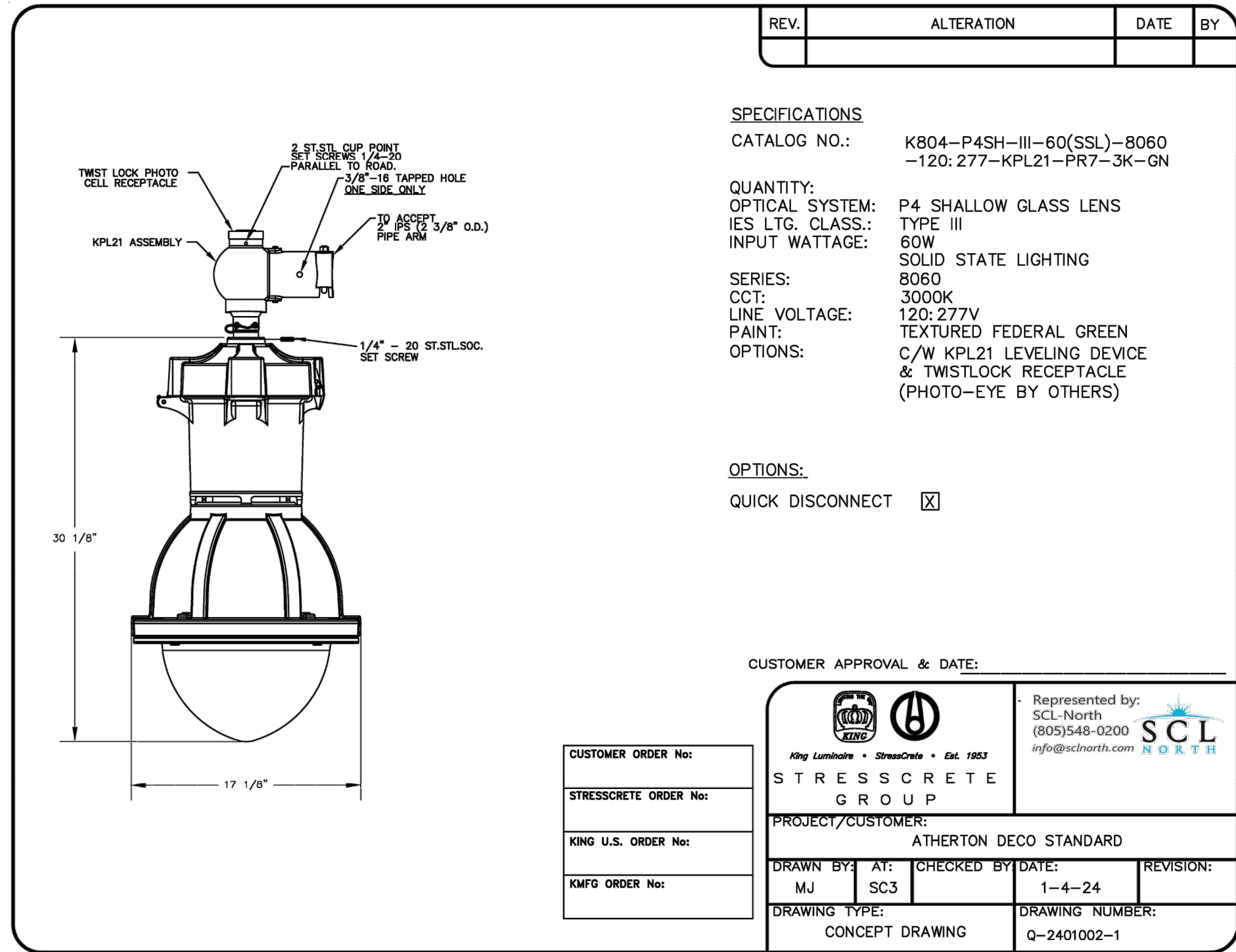
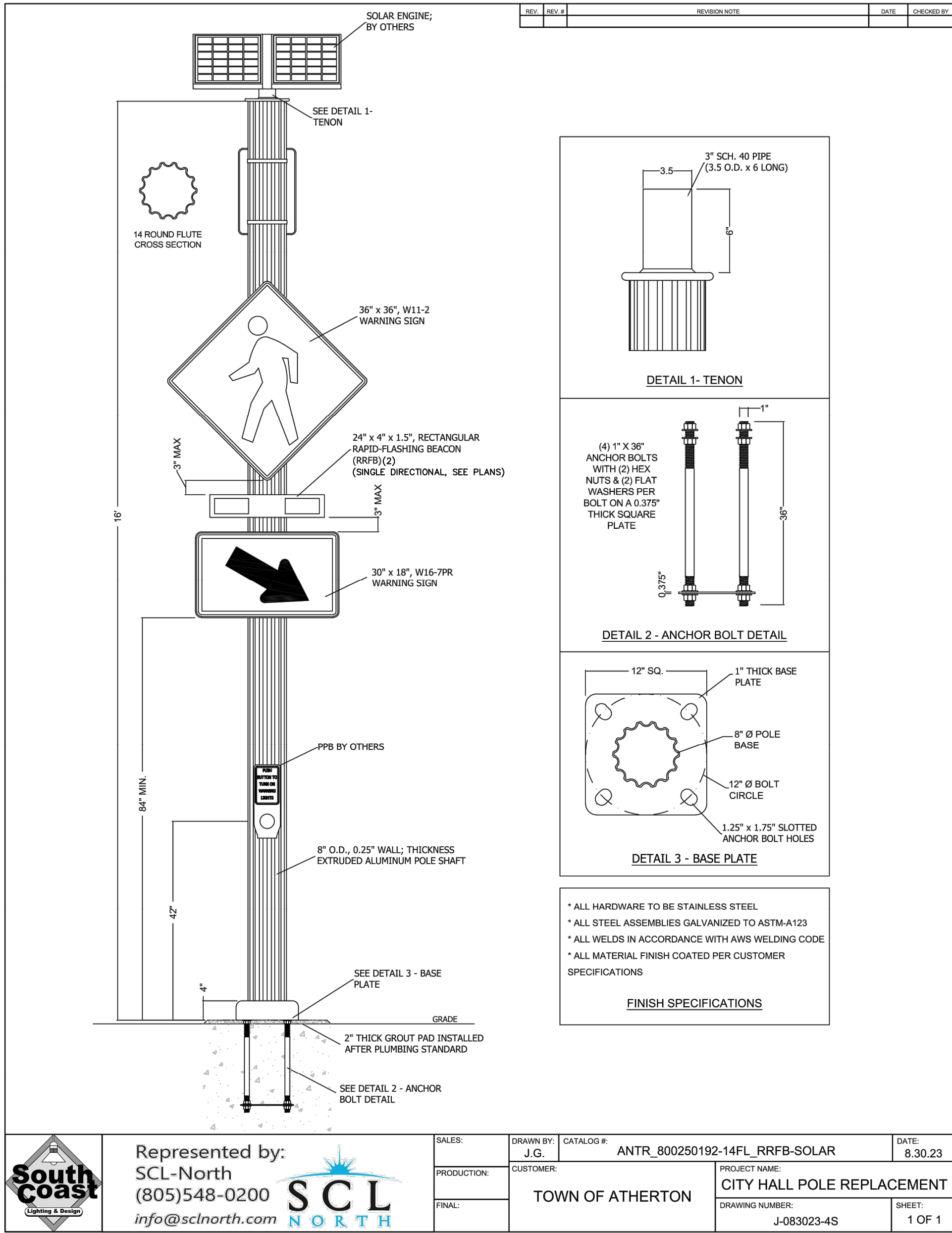
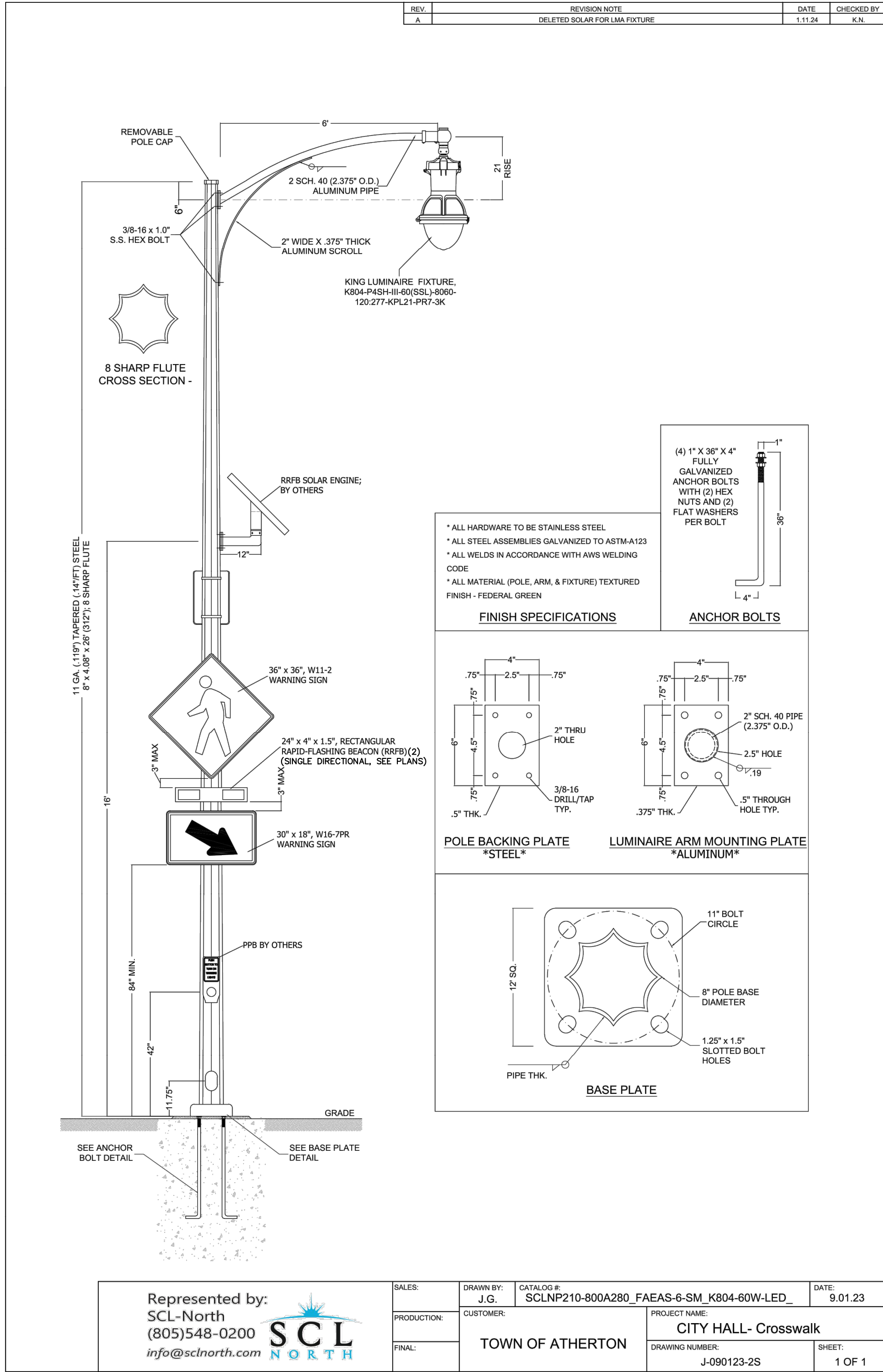


- | | |
|-------------------------------------|--------------------------------|
| ① 1/2" RADIUS TYP. | ⑥ FINISH SURFACE |
| ② NATURAL CONCRETE COLOR PCC PAVING | ⑦ JOINT SEALANT - POLYURETHANE |
| ③ PCC THICKENED EDGE | ⑧ JOINT FILLER - POLYSTYRENE |
| ④ 95% COMPACTED SUBGRADE | ⑨ 1/4" RADIUS TYP. |
| ⑤ FINISH GRADE | |

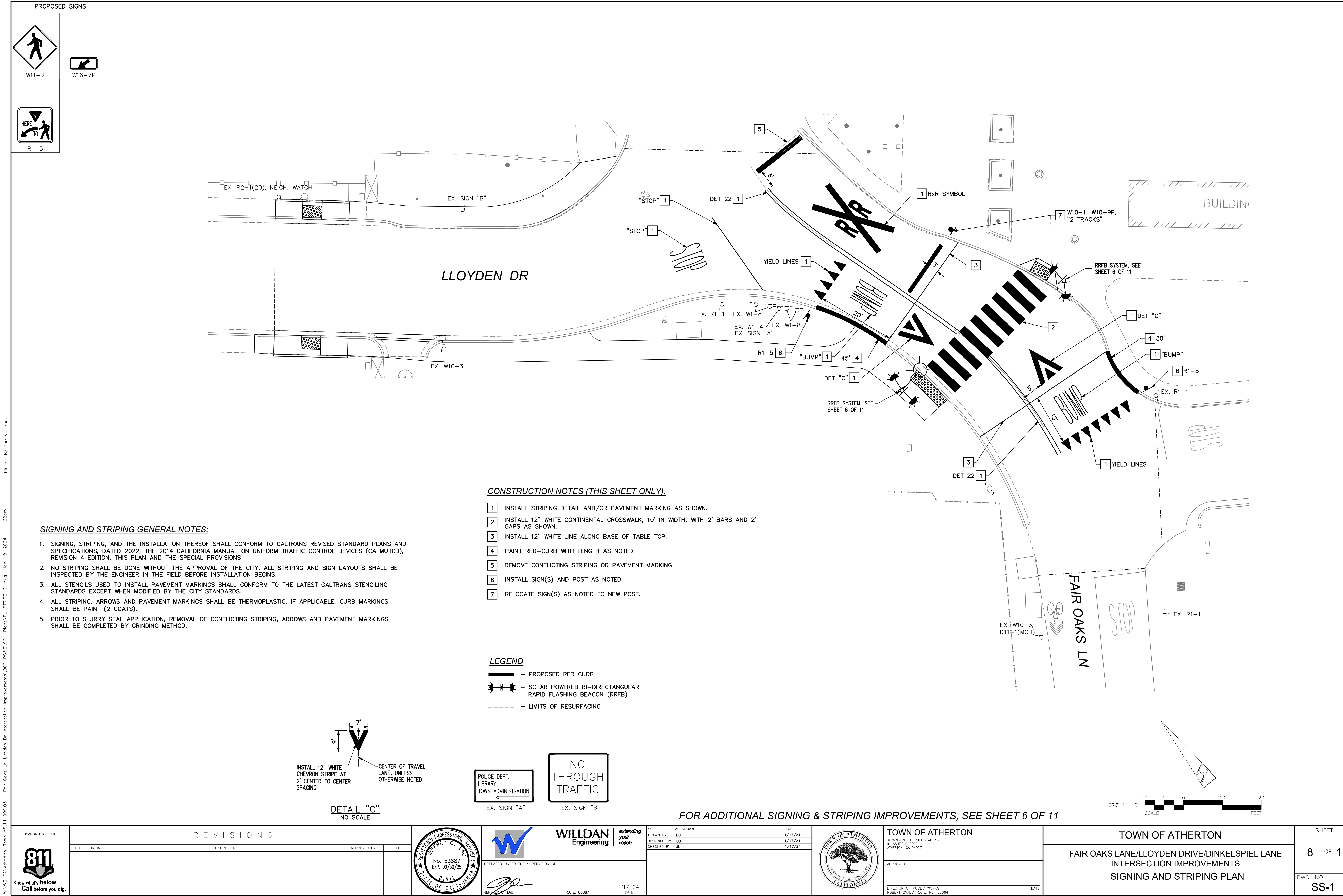
Diagram illustrating the Gutter Pan Transition. The diagram shows a cross-section of a road surface with a curb on the left and pavement on the right. A gutter pan is shown in the center, with a transition section on either side. The transition section is labeled "3'-0\" Type" and "SEE NOTE 9". The gutter pan section is labeled "GUTTER IN FRONT OF DETECTABLE" and "SEE NOTE 8". A warning sign is shown in the center of the gutter pan section. The diagram is labeled "TYPICAL GUTTER PAN APPLIES TO ALL CASES".

SHEET
5 OF 11
DWG. NO.
CD-1





NO.	INITIAL	DESCRIPTION	APPROVED BY	DATE



PROPOSED SIGNS



W11-2



W16-7P



R1-5

SIGNING AND STRIPING GENERAL NOTES:

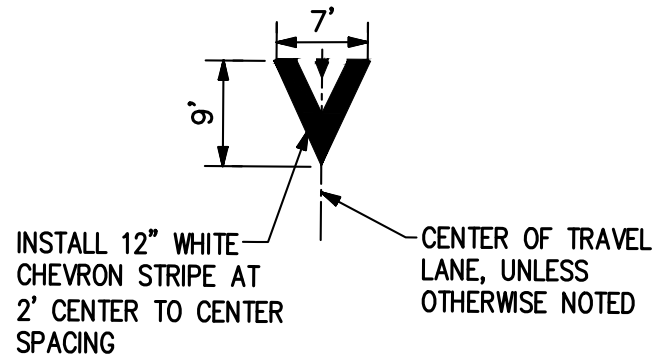
1. SIGNING, STRIPING, AND THE INSTALLATION THEREOF SHALL CONFORM TO CALTRANS REVISED STANDARD PLANS AND SPECIFICATIONS, DATED 2022, THE 2014 CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD), REVISION 4 EDITION, THIS PLAN AND THE SPECIAL PROVISIONS
2. NO STRIPING SHALL BE DONE WITHOUT THE APPROVAL OF THE CITY. ALL STRIPING AND SIGN LAYOUTS SHALL BE INSPECTED BY THE ENGINEER IN THE FIELD BEFORE INSTALLATION BEGINS.
3. ALL STENCILS USED TO INSTALL PAVEMENT MARKINGS SHALL CONFORM TO THE LATEST CALTRANS STENCILING STANDARDS EXCEPT WHEN MODIFIED BY THE CITY STANDARDS.
4. ALL STRIPING, ARROWS AND PAVEMENT MARKINGS SHALL BE THERMOPLASTIC. IF APPLICABLE, CURB MARKINGS SHALL BE PAINT (2 COATS).
5. PRIOR TO SLURRY SEAL APPLICATION, REMOVAL OF CONFLICTING STRIPING, ARROWS AND PAVEMENT MARKINGS SHALL BE COMPLETED BY GRINDING METHOD.

CONSTRUCTION NOTES (THIS SHEET ONLY):

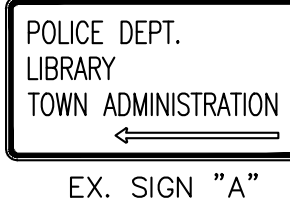
1. INSTALL STRIPING DETAIL AND/OR PAVEMENT MARKING AS SHOWN.
2. INSTALL 12" WHITE CONTINENTAL CROSSWALK, 10' IN WIDTH, WITH 2' BARS AND 2' GAPS AS SHOWN.
3. INSTALL 12" WHITE LINE ALONG BASE OF TABLE TOP.
4. PAINT RED-CURB WITH LENGTH AS NOTED.
5. REMOVE CONFLICTING STRIPING OR PAVEMENT MARKING.
6. INSTALL SIGN(S) AND POST AS NOTED.
7. RELOCATE SIGN(S) AS NOTED TO NEW POST.

LEGEND

- PROPOSED RED CURB
- SOLAR POWERED BI-DIRECTANGULAR RAPID FLASHING BEACON (RRFB)
- LIMITS OF RESURFACING



DETAIL "C"
NO SCALE



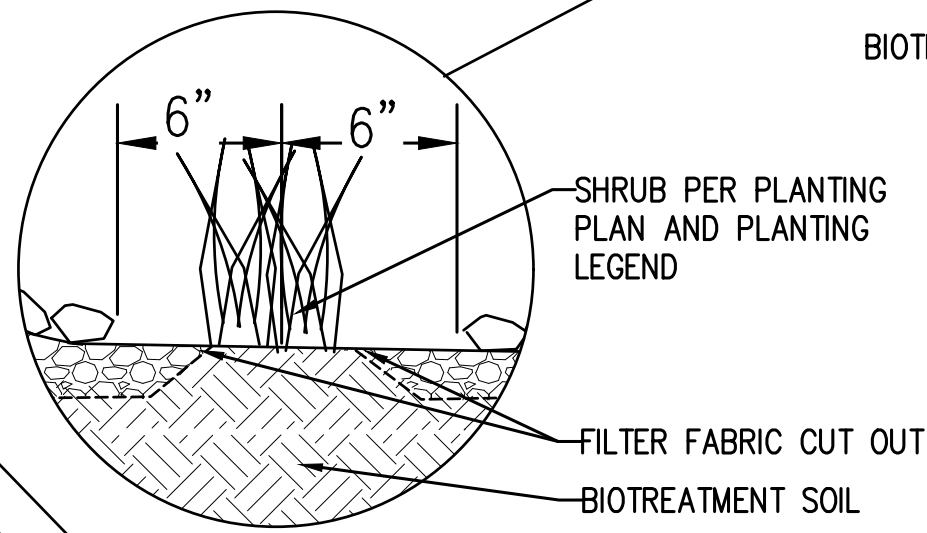
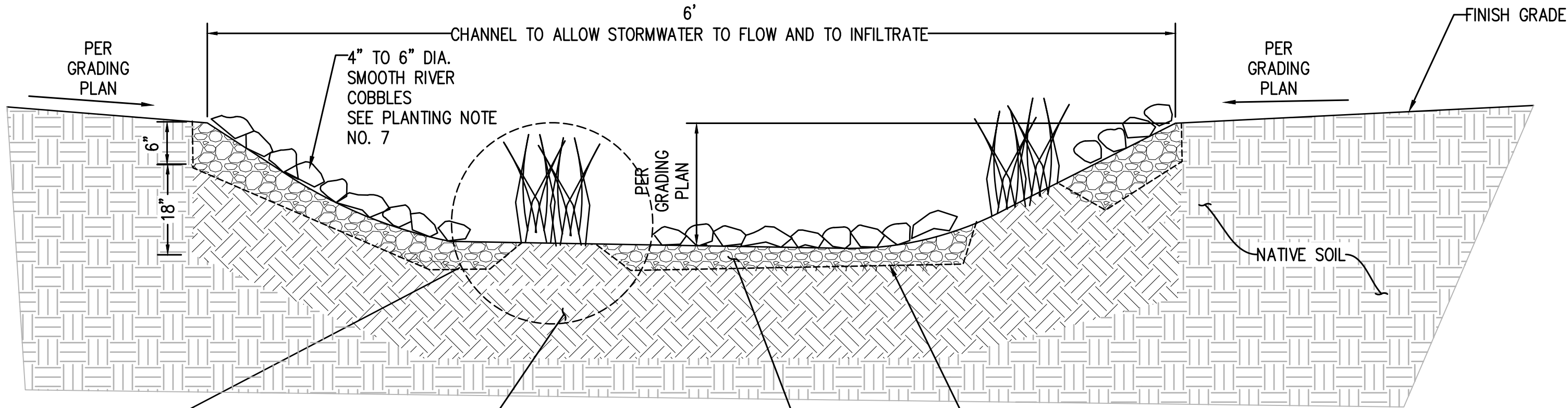
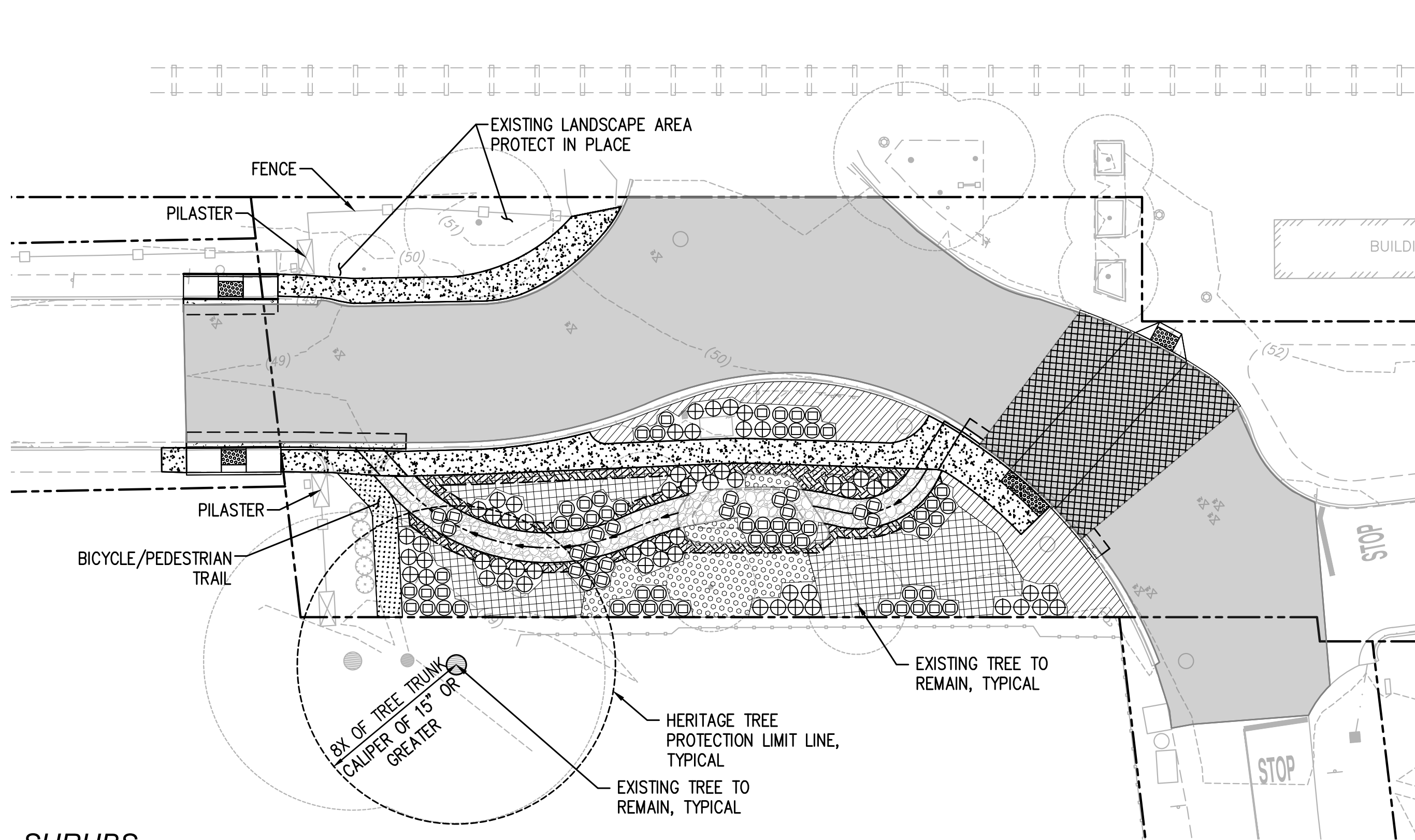
FOR ADDITIONAL SIGNING & STRIPING IMPROVEMENTS, SEE SHEET 6 OF 11

W:\WE-CA\Atherton, Town of\119999.03 - Fair Oaks Ln-Lloyd Dr Intersection Improvements\900-PS&E\901-Plans\PL-STRIPING-01.dwg Jan 19, 2024 - 11:22am Plotted By: Camryn Lopez

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Plotted By: Camryn Lopez

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SHRUBS

SYM	BOTANICAL NAME	COMMON NAME	SIZE	QTY	REMARKS	DET.	PLAN	HT. SP.	WUCOLS
⊕	JUNCUS EFFUSUS	COMMON RUSH	5 GAL.	58	SPACING PER PLAN	14&15	L-3	4' 2'	H
⊙	CHONDROPETALUM TECTORUM	CAPE RUSH	5 GAL.	78	SPACING PER PLAN	14&15	L-3	4' 2'	H

SHRUBS & GROUNDCOVERS

	SALVIA SONOMENSIS	CREeping SAGE	1 GAL.	43	SPACING @ 48" O.C.	14&15	L-3	1' 4'-6'	M
	CAREX DIVULSA	BERKELEY SEDGE	1 GAL.	300	SPACING @ 24" O.C.	14&15	L-3	1' 2'	M
	SISYRINCHIUM BELLUM	BLUE-EYED GRASS	1 GAL.	141	SPACING @ 24" O.C.	14&15	L-3	1' 2'	L

WUCOLS: WATER USE CLASSIFICATIONS OF LANDSCAPE SPECIES
H: HIGH M: MODERATE L: LOW

BIOTREATMENT NOTES:

- BIOTREATMENT (OR BIORETENTION) SYSTEMS SHALL BE DESIGNED TO HAVE A SURFACE AREA NO SMALLER THAN WHAT IS REQUIRED TO ACCOMMODATE 5 INCH/HOUR STORMWATER RUNOFF SURFACE LOADING RATE, INFILTRATE RUNOFF THROUGH BIOTREATMENT SOIL MEDIA AT A MINIMUM OF 5 INCHES PER HOUR, AND MAXIMIZE INFILTRATION TO THE NATIVE SOIL DURING THE LIFE OF THE PROJECT.
- THE SOIL MEDIA OR BIOTREATMENT (OR BIORETENTION) SYSTEMS SHALL BE DESIGNED TO SUSTAIN HEALTHY, VIGOROUS PLANT GROWTH AND MAXIMIZE STORMWATER RUNOFF RETENTION AND POLLUTANT REMOVAL.

PLANTING NOTES:

- CONTRACTOR SHALL CHALK LAYOUT SHRUB MASSES AND GROUNDCOVERS WITHIN THE PLANTING AREAS AND VERIFY WITH ENGINEER PRIOR TO INSTALLATION.
- IN ALL BIORETENTION BASINS, FURNISH AND INSTALL BIOTREATMENT SOIL AS INDICATED ON THE TYPICAL CROSS SECTION.
 - IN ALL PLANTING AREAS, FURNISH AND INSTALL 3-INCH LAYER OF RECYCLED NATURAL MULCH
- ALL PLANTING BACKFILL AMENDMENTS SHALL BE SUPPLEMENTED WITH "MYCO TABS" MANUFACTURED BY TRI-C (800) 927-3311
<https://www.tri-corganics.com/contact>
BACKFILL MIXTURE SHALL FOLLOW MANUFACTURER'S SPECIFICATIONS.
- KEEP MULCH 6 INCHES CLEAR FROM TREE TRUNK AND SHRUB STEM. AREA WHERE THERE ARE NO SHRUBS OR GROUNDCOVERS SHOWN SHALL BE COVER WITH 3-INCH LAYER OF REDWOOD CHIPS AS DESCRIBED IN NOTE NO. 2.
- QUANTITIES SHOWN ON LEGEND ARE FOR CONVENIENCE ONLY, CONTRACTOR SHALL VERIFY EXACT QUANTITY OF EACH SHRUB & GROUNDCOVER SPECIES WITH ENGINEER PRIOR TO COMMENCING PLANTING.
- CONTRACTOR SHALL COLLECT NATIVE SOIL SAMPLES AND BIOTREATMENT SOIL IN PLANTING AREAS AND HAVE THEM TESTED FOR AGRICULTURAL SUITABILITY INCLUDING STATE MWEO REQUIREMENTS BY A CERTIFIED SOIL LAB. SUBMIT SOIL MANAGEMENT REPORT AS INDICATED ON DWG. NO. L-2.
- CONTRACTOR SHALL SUBMIT 2 CU.FT. SAMPLE OF SMOOTH RIVER COBBLES (COLOR: GRAY AND TAN) TO ENGINEER FOR REVIEW PRIOR TO INSTALLATION. NO BROKEN OR FRACTURED COBBLES SHALL BE ALLOWED.
- PAYMENT FOR SOIL TEST SHALL BE INCLUDED IN THE PAYMENT FOR FURNISH AND INSTALL PLANTING MATERIAL AND NO ADDITIONAL PAYMENT WILL BE MADE THEREFOR.

TREES, SHRUBS AND GROUNDCOVER PROCUREMENT

WITHIN 15 CALENDAR DAYS OF THE AWARD OF CONTRACT, CONTRACTOR SHALL CONDUCT A PLANT AVAILABILITY SEARCH TO DETERMINE THE PLANT SPECIES, CONTAINER SIZE, AND QUANTITY AS SHOWN ON THE LEGEND WILL BE AVAILABLE AT THE TIME OF PLANT INSTALLATION.

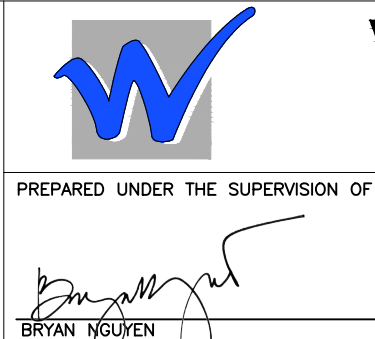
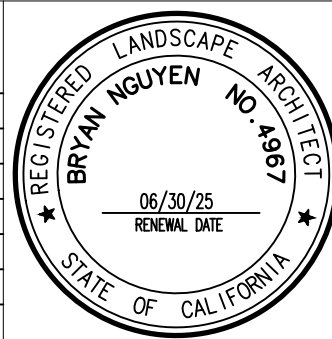
IF NOT AVAILABLE FOR PROCUREMENT, CONTRACTOR SHALL BE RESPONSIBLE FOR CONTRACT GROW, AT THE CONTRACTOR'S EXPENSE, ALL THE PLANTS LISTED ON THE PLANTING LEGEND. CONTRACTOR SHALL PROVIDE TO THE CITY AN INVOICE OF ALL THE LISTED PLANTS THAT WILL BE CONTRACT GROWN AND/OR RESERVED. THE PROCUREMENT INVOICE STATEMENT SHALL BE SUBMITTED TO THE CITY ENGINEER FOR REVIEW AND APPROVAL WITHIN 15 DAYS OF AWARD OF CONTRACT.

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REVISIONS

NO.	INITIAL	DESCRIPTION	APPROVED BY	DATE



WILLDAN Engineering extending your reach

SCALE: AS SHOWN	DATE: 1/17/24
DRAWN BY: BN	1/17/24
DESIGNED BY: BN	1/17/24
CHECKED BY: JH	1/17/24



TOWN OF ATHERTON
DEPARTMENT OF PUBLIC WORKS
91 ASHFIELD ROAD
ATHERTON, CA 94027
APPROVED: _____
DIRECTOR OF PUBLIC WORKS
ROBERT OVADIA R.C.E. No. 52664
DATE: _____

TOWN OF ATHERTON
FAIR OAKS LANE/LLOYDEN DRIVE/DINKELSPIEL LANE
INTERSECTION IMPROVEMENTS
PLANTING PLAN

SHEET

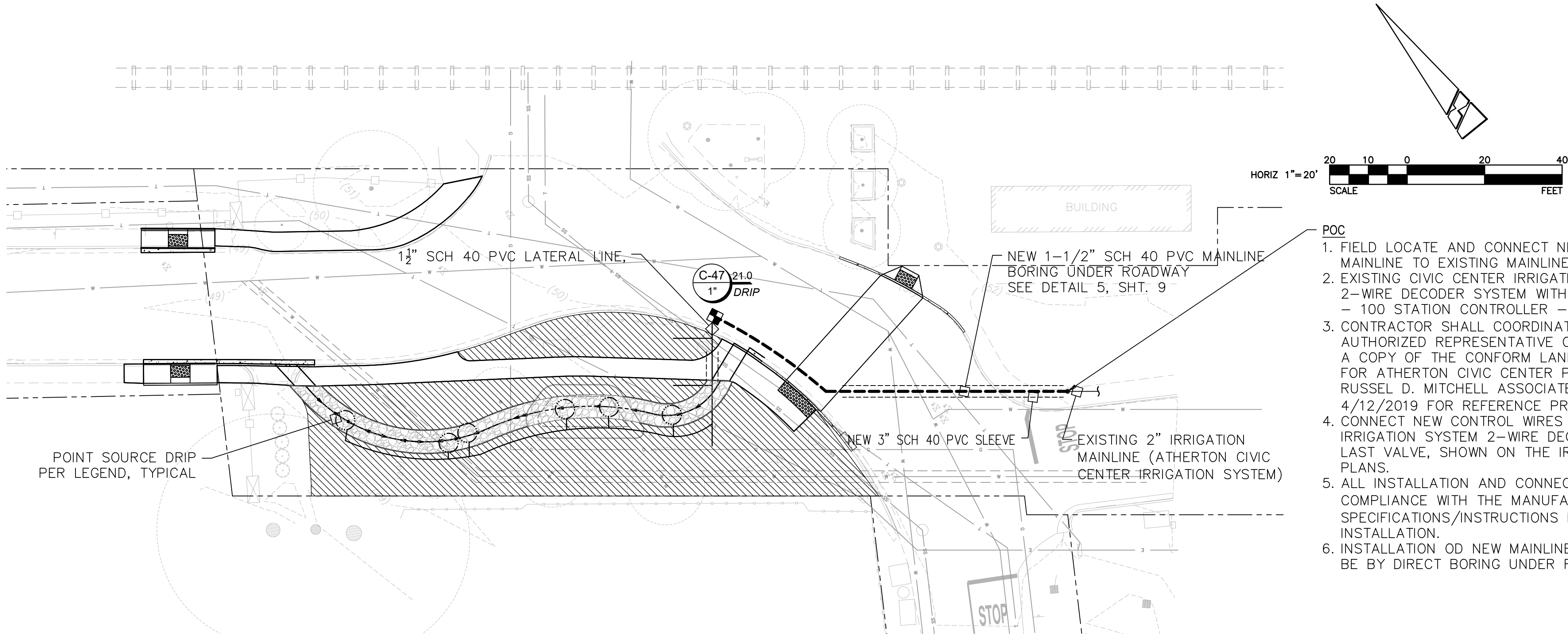
9 OF 11

DWG. NO.
L-1


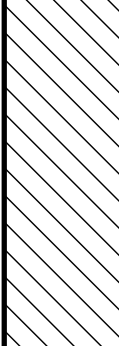

BID SET 1/19/2024

Plotted By: Camryn Lopez

W:\WE-CA\Atherton, Town of\11999.03 - Fair Oaks Ln-Lloyd Dr Intersection Improvements\900-PS&E\901-Plans\PL-LCSP-IRRI.dwg Jan 17, 2024 - 4:32pm

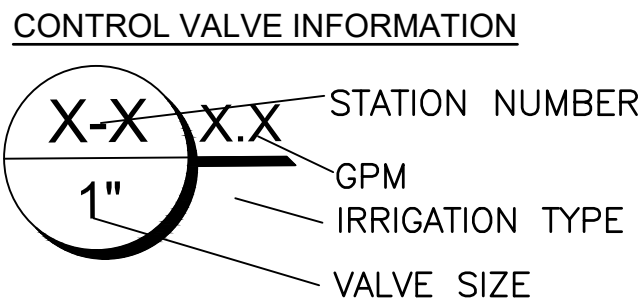


IRRIGATION LEGEND

SYM	DESCRIPTION	MANUF.	MODEL		REMARKS		DET.	SHT.
	DRIP CONTROL ZONE KIT	TORO	DZK-700-1-MF-40	REMOTE CONTROL VALVE WITH A PRESSURE REGULATOR (SET TO 40 PSI) AND A 1" DISC FILTER			-	11
	DRIPLINE	TORO	TORO DL2000 SERIES DRIPLINE WITH TRI-LOC FITTINGS, PART #RGP-212. TUBING TO BE INSTALLED 4" BELOW GRADE IN A 12" O.C. GRID ACCORDING TO DETAILS. SIZE EXHAUST HEADERS AS FOLLOWS: 1": 0-10 GPM, 1.25": 11-20 GPM. ALL EXHAUST HEADERS SHALL BE 1" SCH. 40 PCV OR 1" SCH 40 FLEXIBLE PVC. USE SCH. 40 PVC SOLVENT WELD FITTINGS. EXTEND PVC HEADERS TO THE ENDS OF ALL DROP ZONES TO BALANCE FLOW IF REQUIRED. SEE DETAILS FOR FURTHER INFORMATION.				-	11
	POINT SOURCE DRIP	NETAFIM	¾" EDTUBE BLACK	BD & WP EMITTER (2 EMITTERS PER SHRUB)	30 PSI	- 0.5 GPH/ EMITTER	-	11

SEE SHEET 11 FOR IRRIGATION DETAILS.

PIPING SIZES:		
MINIMUM PIPE SIZE SHALL BE 3/4". FOR ALL PIPE SIZES NOT SHOWN USE THE FOLLOWING GUIDELINES:		
G.P.M. DEMAND	PIPE SIZE	TYPE
0-8	3/4"	SCH. 40
8-12	1"	SCH. 40
13-22	1 1/4"	SCH. 40
23-30	1 1/2"	SCH. 40
31-50	2"	CLASS 315
51-70	2 1/2"	CLASS 315



SOIL MANAGEMENT REPORT (SECTION 492.5)*

- PRIOR TO INSTALLATION OF PLANTING MATERIAL, THE CONTRACTOR SHALL PERFORM SOIL TEST ANALYSIS OF PLANTING AREAS. SOIL ANALYSIS SHALL INCLUDE:
 - SOIL TEXTURE
 - INFILTRATION RATE
 - pH
 - TOTAL SOLUBLE SALTS
 - PERCENT ORGANIC MATTER
 - SOIL AMENDMENT RECOMMENDATIONSSOIL SAMPLES SHALL BE DELIVERED TO AND TEST SHALL BE CONDUCTED BY A CERTIFIED SOIL LABORATORY.
- CONTRACTOR SUBMIT SOIL ANALYSIS REPORT TO THE CITY AS PART OF THE CERTIFICATE OF COMPLETION.
- CONTRACTOR SHALL SUBMIT DOCUMENTATION VERIFYING IMPLEMENTATION OF SOIL ANALYSIS REPORT RECOMMENDATIONS TO THE CITY AS PART OF THE CERTIFICATE OF COMPLETION.

*REFERENCE:
CALIFORNIA CODE OF REGULATION - TITLE 23: WATER
DIVISION 2: DEPARTMENT OF WATER RESOURCES
CHAPTER 2.7. MODEL WATER EFFICIENT LANDSCAPE ORDINANCE

LANDSCAPE AND IRRIGATION MAINTENANCE SCHEDULE (SECTION 492.11)*

- LANDSCAPE SHALL BE MAINTAINED TO ENSURE WATER USE EFFICIENCY.
 - A REGULAR MAINTENANCE SCHEDULE SHALL BE SUBMITTED WITH THE CERTIFICATE OF COMPLETION.
 - REGULAR MAINTENANCE SCHEDULE SHALL INCLUDE:
 - ROUTINE INSPECTION
 - ADJUSTMENT AND REPAIR OF IRRIGATION SYSTEM AND ITS COMPONENTS
 - REPLENISHING MULCH
 - FERTILIZING
 - PRUNING
 - WEEDING
- IN ALL LANDSCAPE AREAS, AND REMOVING ANY OBSTRUCTION TO EMISSION DEVICES.
- OPERATION OF SYSTEM IS ALLOWED FOR AUDITING AND SYSTEM MAINTENANCE.
 - REPAIR OF ALL IRRIGATION EQUIPMENT SHALL BE DONE WITH THE ORIGINALLY INSTALLED COMPONENTS OR THEIR EQUIVALENTS.

IRRIGATION AUDIT/IRRIGATION WATER USE ANALYSIS (SECTION 492.12)*

- ALL IRRIGATION AUDIT SHALL BE CONDUCTED BY A CERTIFIED IRRIGATION AUDITOR.
- NEW CONSTRUCTION AND REHABILITATED LANDSCAPE PROJECTS INSTALLED AFTER DEC. 1, 2015:

CONTRACTOR SHALL SUBMIT AN IRRIGATION AUDIT REPORT WITH THE CERTIFICATE OF COMPLETION TO THE LOCAL AGENCY THAT MAY INCLUDE:
INSPECTION, SYSTEM TUNE-UP, SYSTEM TEST WITH DISTRIBUTION UNIFORMITY, REPORTING SYSTEM LEAK AND RUN-OFF THAT CAUSE OVERLAND FLOW, AND PREPARATION OF AN IRRIGATION SCHEDULE.
- LOCAL AGENCY SHALL ADMINISTER PROGRAMS TO INCLUDE IRRIGATION SURVEYS FOR COMPLIANCE WITH MAWA.

PROJECT INFORMATION (SECTION 492.3(1))*

DATE: 6/10/2022

PROJECT APPLICANT: TOWN OF ATHERTON

PROJECT LOCATIONS: FAIR OAKS LANE/LLOYDEN DRIVE/DINKELSPIEL LANE

TOTAL LANDSCAPED AND IRRIGATION AREA: 3,943 S.F.

PROJECT TYPE: PUBLIC AGENCY

WATER SUPPLY: DOMESTIC

WATER AGENCY: TOWN OF ATHERTON

PROJECT APPLICANT CONTACT: TOWN OF ATHERTON

"I AGREE TO COMPLY WITH THE REQUIREMENTS OF THE WATER EFFICIENT LANDSCAPE ORDINANCE AND SUBMIT A COMPLETE LANDSCAPE DOCUMENT PACKAGE"

LANDSCAPE ARCHITECT

6/10/2023
DATE

IRRIGATION NOTES

- THESE IRRIGATION DRAWINGS ARE DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE INSTALLED. ALL PIPING, VALVES, AND OTHER IRRIGATION COMPONENTS MAY BE SHOWN WITHIN PAVED AREAS FOR GRAPHIC CLARITY ONLY AND ARE TO BE INSTALLED WITHIN PLANTING AREAS. DUE TO THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE OFFSETS, FITTINGS, SLEEVES, CONDUIT, AND OTHER ITEMS WHICH MAY BE REQUIRED. INVESTIGATE THE STRUCTURAL AND FINISHED CONDITION AFFECTING THE CONTRACT WORK INCLUDING OBSTRUCTIONS, GRADE DIFFERENCES OR AREA DIMENSIONAL DIFFERENCES. IN THE EVENT OF FIELD DISCREPANCY WITH CONTRACT DOCUMENTS, PLAN THE INSTALLATION WORK ACCORDINGLY BY NOTIFICATION AND APPROVAL OF THE TOWN'S AUTHORIZED REPRESENTATIVE/ENGINEER AND ACCORDING TO THE CONTRACT SPECIFICATIONS. NOTIFY AND COORDINATE IRRIGATION CONTRACT WORK WITH APPLICABLE CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE, CONDUIT OR SLEEVES THROUGH OR UNDER WALLS, ROADWAYS, PAVING AND STRUCTURES BEFORE CONSTRUCTION. IN THE EVENT THESE NOTIFICATIONS ARE NOT PERFORMED, THE CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR REQUIRED REVISIONS.
- THE INTENT OF THIS IRRIGATION SYSTEM IS TO PROVIDE THE MINIMUM AMOUNT OF WATER REQUIRED TO SUSTAIN GOOD PLAN HEALTH.
- IRRIGATION CONTROL WIRES: SOLID COPPER WITH U.L. APPROVAL FOR DIRECT BURIAL IN GROUND. COMMON GROUND WIRE: SIZE #14AWG WIRE WITH A JACKETED 2-CONDUCTOR. PREFERRED WIRE MAKE AND MODEL IS THE PAIGE IRRIGATION WIRE, SPEC P7350D. CONTROL WIRE SERVICING REMOTE CONTROL VALVES: SIZE #14AWG WIRE WITH 2-CONDUCTOR. PREFERRED WIRE MAKE AND MODEL IS THE PAIGE IRRIGATION WIRE, SPEC P7351D. ALL SPLICING SHALL BE PROTECTED WITH 3-M DBR/Y-6.
- INSTALL BLACK PLASTIC VALVE BOXES WITH BOLT DOWN, NON HINGED COVER MARKING "IRRIGATION". BOX BODY SHALL HAVE KNOCK OUTS. ACCEPTABLE VALVE BOX MANUFACTURER'S INCLUDE NDS, CARSON OR APPROVED EQUAL.
- INSTALL REMOTE CONTROL VALVE BOXES 24" FROM WALK, CURB, BUILDING OR LANDSCAPE FEATURE. AT MULTIPLE VALVE BOX GROUPS, INSTALL EACH BOX AN EQUAL DISTANCE FROM THE WALK, CURB, BUILDING OR LANDSCAPE FEATURE AND PROVIDE 12" BETWEEN BOX TOPS. ALIGN THE SHORT SIDE OF RECTANGULAR VALVE BOXES PARALLEL TO WALK, CURB, BUILDING OR LANDSCAPE ARCHITECTURE.
- VALVE LOCATIONS SHOWN ARE DIAGRAMMATIC. INSTALL IN GROUND COVER/SHRUB AREAS (NOT IN LAWN AREA). LANDSCAPE ARCHITECT SHALL REVIEW AND APPROVE ALL BOX LOCATIONS PRIOR TO FINAL SETTING AND VALVE INSTALLATION.
- WHERE IT IS NECESSARY TO EXCAVATE ADJACENT TO EXISTING TREES, USE CAUTION TO AVOID INJURY TO TREES AND TREE ROOTS. EXCAVATE BY HAND IN AREAS WHERE TWO (2) INCH AND LARGER ROOTS OCCUR. PAINT ROOTS ONE (1) INCH AND LARGER IN DIAMETER WITH TWO COATS OF TREE SEAL, OR EQUAL. BACK FILL TRENCHES ADJACENT TO TREE WITHIN TWENTY-FOUR (24) HOURS. WHERE THIS IS NOT POSSIBLE, SHADE THE SIDE OF THE TRENCH ADJACENT TO THE TREE WITH WET BURLAP OR CANVAS.
- SEE CONFORM IRRIGATION AS-BUILTS FOR LOCATION AND INFORMATION OF EXISTING IRRIGATION POINT OF CONNECTION (WATER METER AND STATIC PRESSURE) AND IRRIGATION CONTROLLER.

WATER EFFICIENT LANDSCAPE WORKSHEET (SEC. 492.4)*

REFERENCE EVAPOTRANSPIRATION (Eto):		43.0					
HYDROZONE	PLANT FACTOR*	IRRIGATION METHOD**	IRRIGATION EFFICIENCY (IE)	ETAF (PF/IE)	AREA (S.F.)	ETAF X AREA	ESTIMATED TOTAL WATER USE (ETWU)
EXISTING CONTROLLER							
DRIP	0.3	D	0.81	0.37	3,943	1,460	38,933
TOTAL					3,943	1,460	38,933
SPECIAL LANDSCAPE AREA							
A	-	D	-	1.00	0	0	0
TOTAL					0	0	0
TOTAL LANDSCAPE AREA					3,943		
ESTIMATED TOTAL WATER USE							38,933
MAXIMUM ANNUAL WATER ALLOWANCE							47,304
ETAF (LA)	ETAF (SLA)	ETAFxLA	ETAFxSLA				
0.45	0.55	1,774	0				

**IRRIGATION METHOD
MS = MICROSPRAY
S = SPRAY
R = ROTOR
B = BUBBLER
D = DRIP
RO = ROTARY

*PLANT FACTOR
HW = HIGH WATER USE PLANTS - WULCOLS = 0.7-1
MW = MEDIUM WATER USE PLANTS - WULCOLS = 0.4-0.6
LW = LOW WATER USE PLANTS - WULCOLS = 0-0.3

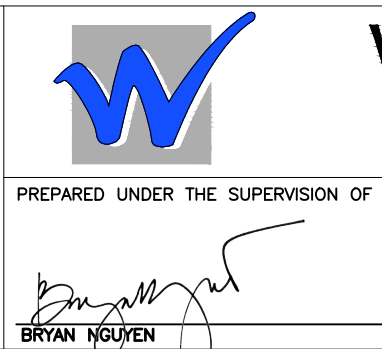
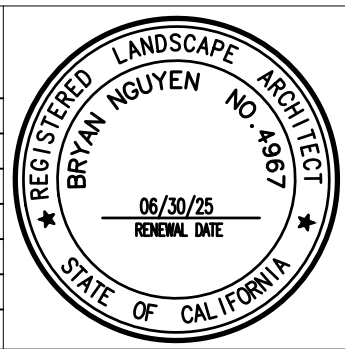
WULCOLS
WATER USE CLASSIFICATIONS OF LANDSCAPE SPECIES
WULCOLS III, AUGUST 2000
UNIVERSITY OF CALIFORNIA COOPERATIVES EXTENSIONS
CALIFORNIA DEPARTMENT OF WATER RESOURCES

USANORTH811.ORG



REVISIONS

NO.	INITIAL	DESCRIPTION	APPROVED BY	DATE



PREPARED UNDER THE SUPERVISION OF

BRYAN NGUYEN
RLA 4067
1/17/24
DATE

SCALE: AS SHOWN	DATE: 1/17/24
DRAWN BY: BN	DESIGNED BY: BN
CHECKED BY: JH	1/17/24



TOWN OF ATHERTON
DEPARTMENT OF PUBLIC WORKS
91 ASHFIELD ROAD
ATHERTON, CA 94027

APPROVED

DIRECTOR OF PUBLIC WORKS
ROBERT OVADA R.C.E. No. 52664
DATE

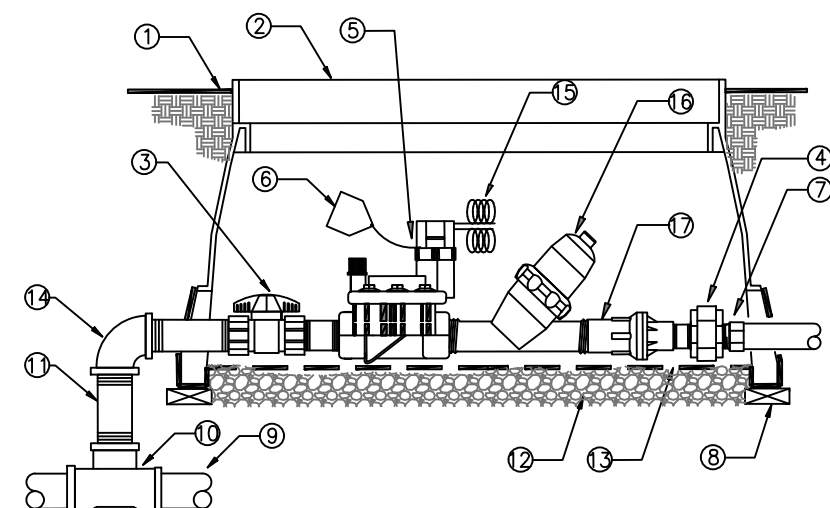
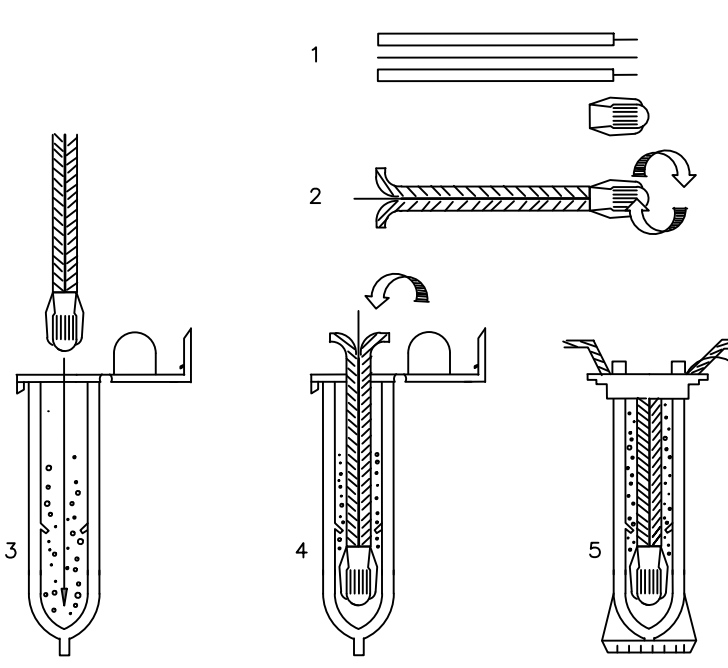
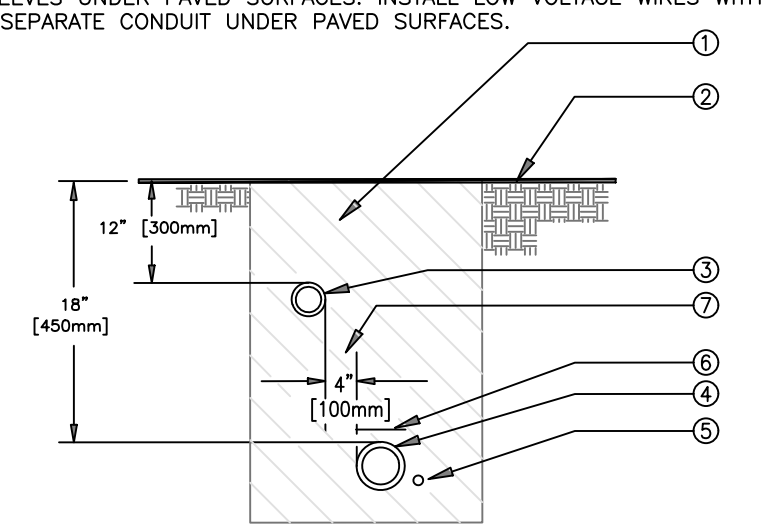
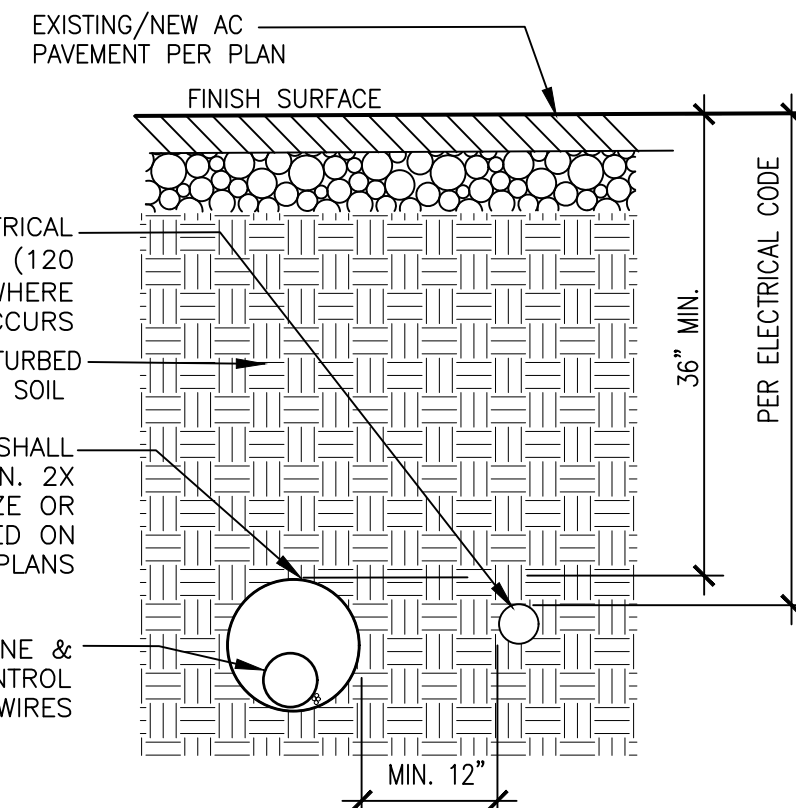
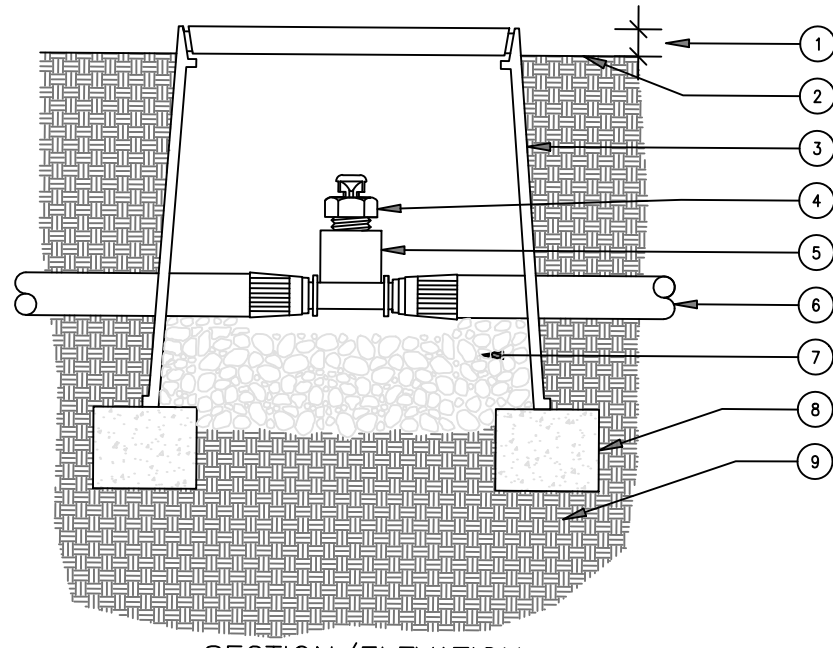
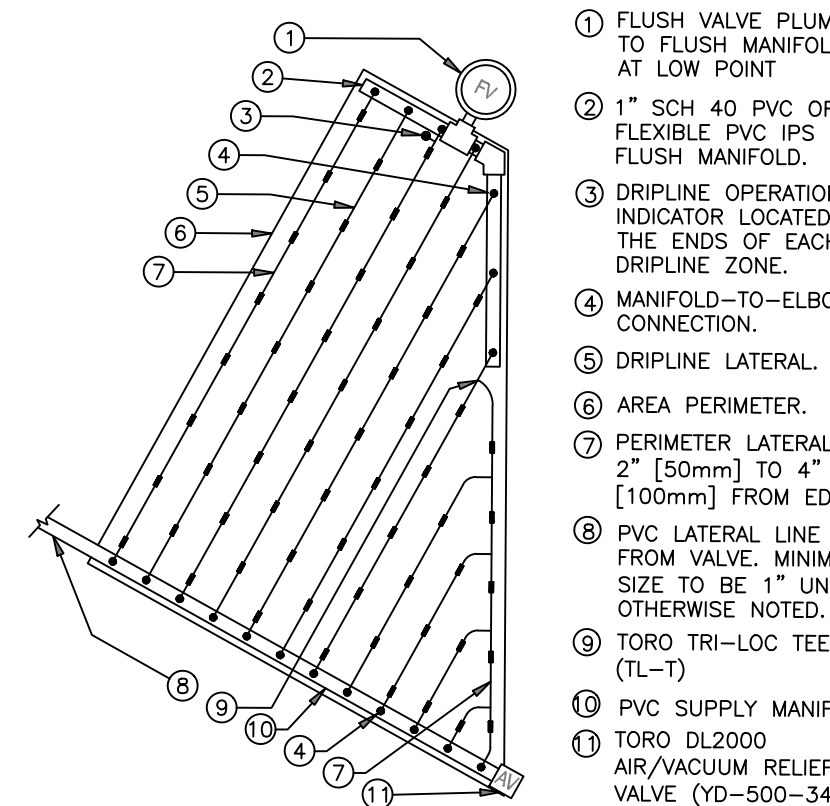
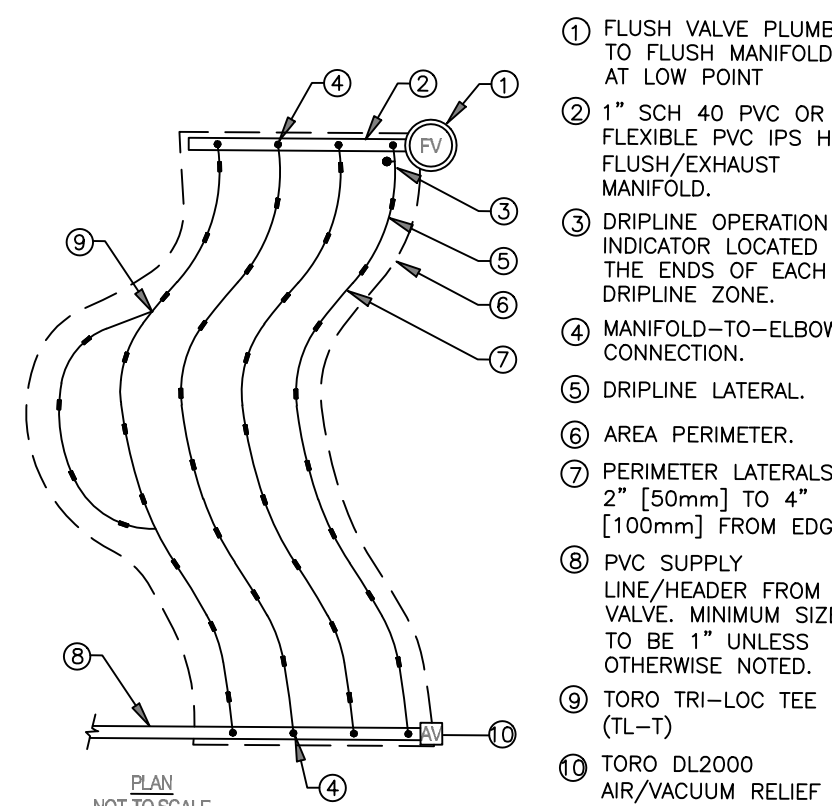
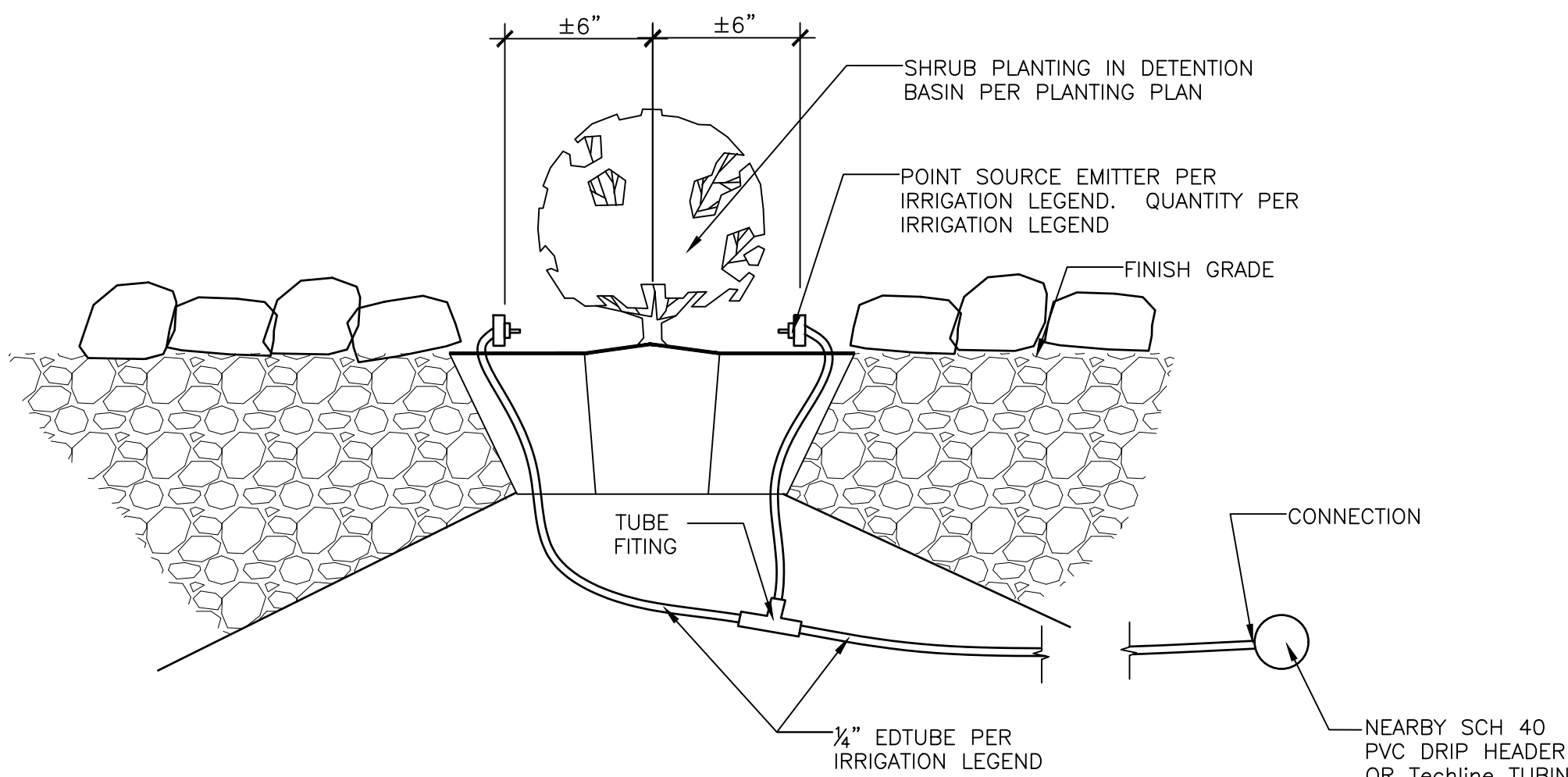
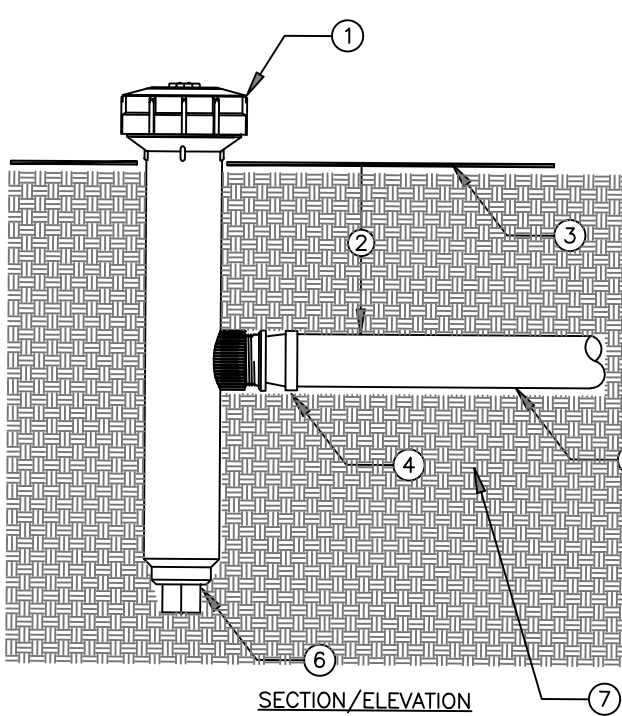
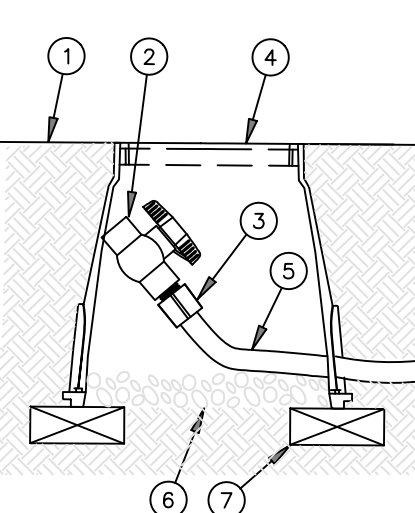
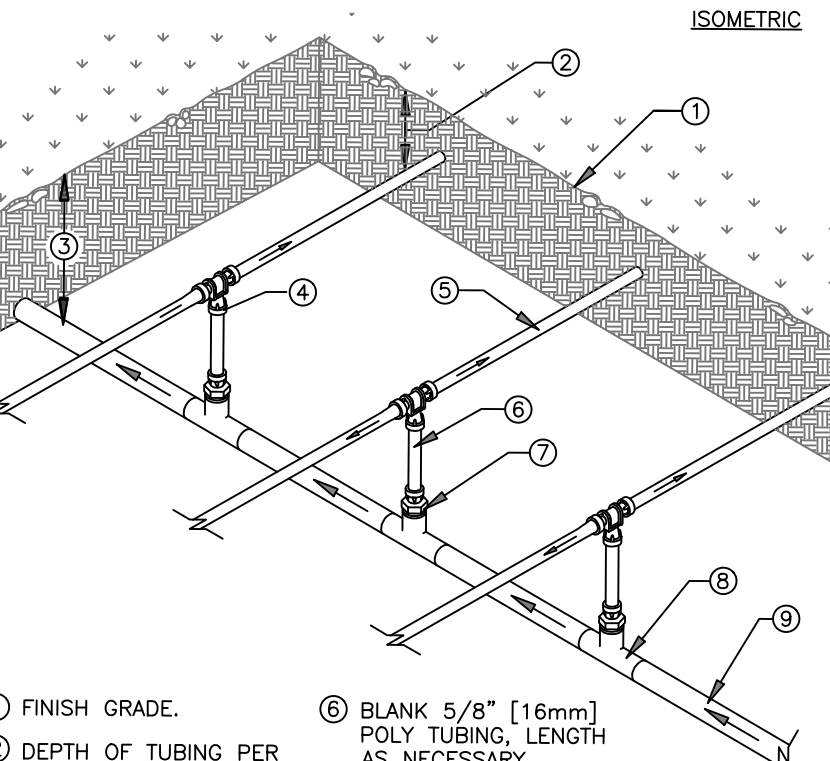
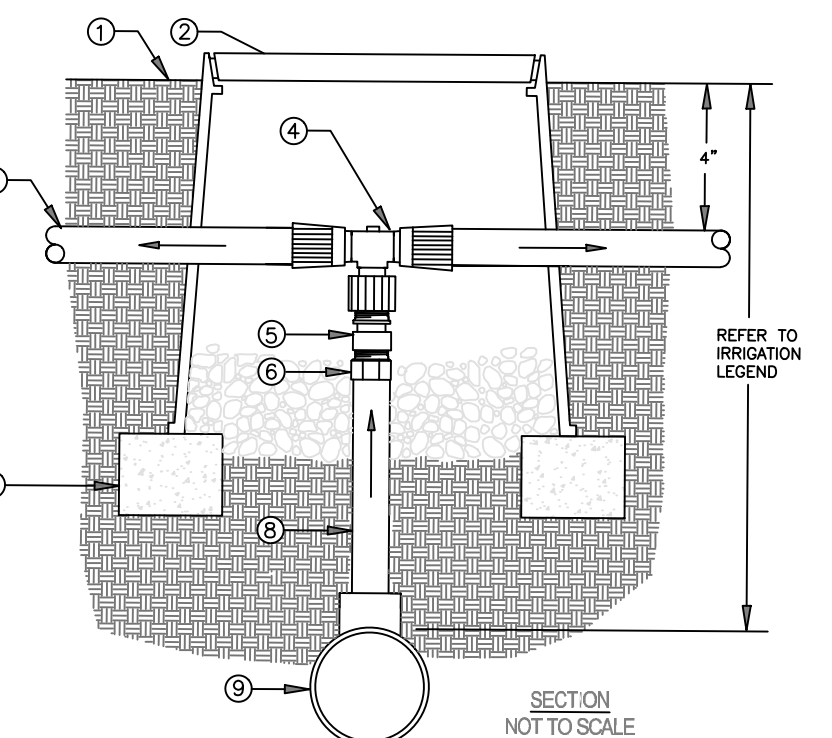
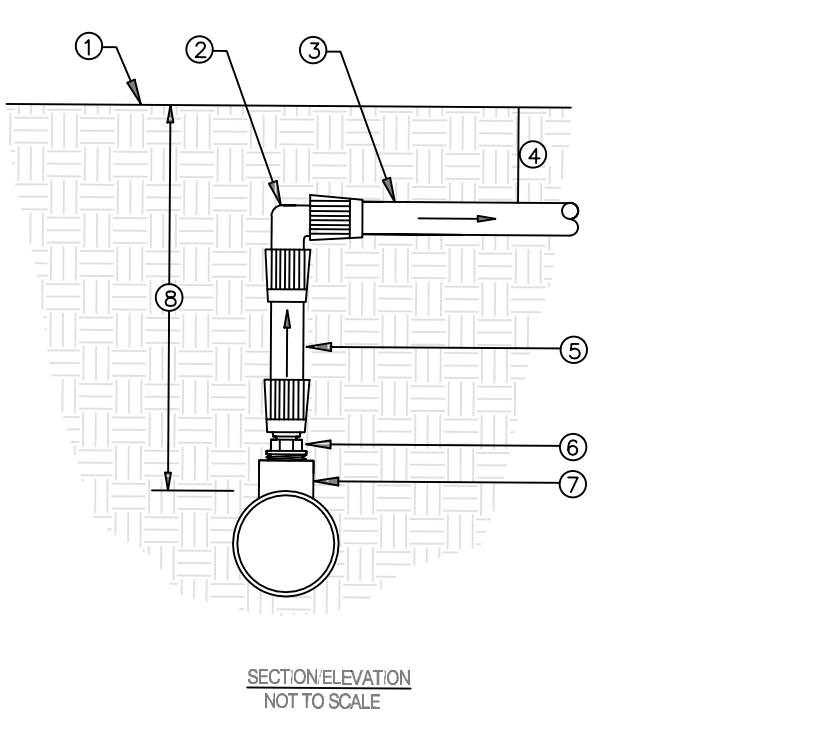
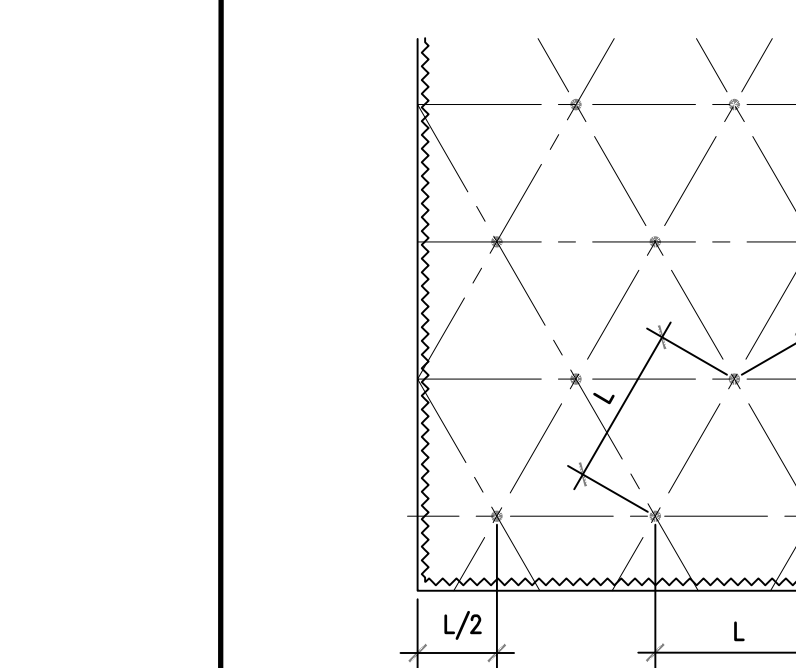
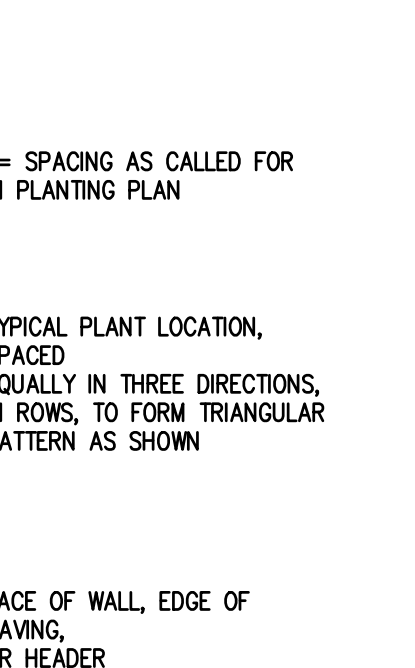
TOWN OF ATHERTON
FAIR OAKS LANE/LLOYDEN DRIVE/DINKELSPIEL LANE
INTERSECTION IMPROVEMENTS
IRRIGATION PLAN

SHEET
10 OF 11
DWG. NO.
L-2

BID SET 1/19/2024

Plotted By: Camryn Lopez

W:\WE-CA\Atherton, Town of\11999.03 - Fair Oaks Ln-Lloyd Dr Intersection Improvements\900-PS&E\901-Plans\PL-LCSP-IRRI.dwg Jan 17, 2024 - 4:32pm

 <p>1 FINISH GRADE 2 RECTANGULAR JUMBO PLASTIC VALVE BOX WITH BOLT DOWN LID. ONE VALVE PER BOX- NO EXCEPTIONS. INSTALL BOX AS SHOWN IN BOX INSTALLATION DETAIL. 3 SCHEDULE 80 PVC UNION BALL VALVE (ONE PER VALVE) 4 SCHEDULE 80 PVC THREADED UNION 5 REMOTE CONTROL VALVE 6 VALVE I.D. TAG (CONTROLLER AND STATION NUMBER) 7 SCHEDULE 40 MALE ADAPTER 8 BRICK-1 EACH CORNER. 9 PVC MAIN LINE. 10 UPC APPROVED SCHEDULE 40 PVC TEE.</p> <p>11 SCHEDULE 80 PVC NIPPLE-(4-TOTAL) LENGTH AS REQUIRED. 12 PEA GRAVEL OR 3/4" [20mm] DRAIN ROCK - 4" [102mm] DEEP BELOW VALVE (NO SOIL IN VALVE BOX). 13 19 GAUGE 1/2" [13mm] SQUARE WIRE MESH. 14 SCHEDULE 80 PVC 90° ELBOW (1x1). 15 VALVE CONTROL WIRE- PROVIDE 3M-DBY SEAL PACKS AT ALL SPLICES AND 3' [1m] OF EXCESS UP WIRE IN A 1" [25mm] DIAMETER COIL. 16 DISC FILTER 17 PRESSURE REGULATOR (40 PSI)</p>		 <p>INSTRUCTIONS: 1. STRIP WIRES APPROXIMATELY 1/2" (12.7 MM) TO EXPOSE WIRE. 2. TWIST CONNECTOR AROUND WIRES CLOCKWISE UNTIL HAND TIGHT, DO NOT OVERTIGHTEN. 3. INSERT WIRE ASSEMBLY INTO PLASTIC TUBE UNTIL WIRE CONNECTOR SNAPS FAST UP IN BOTTOM OF TUBE. 4. PLACE WIRES WHICH EXIT TUBE IN WIRE EXIT HOLES AND CLOSE CAP UNTIL IT SNAPS. 5. INSPECT FINAL SPLICE ASSEMBLY TO BE SECURE AND FINISHED.</p> <p>1 TDC WIRE PATH JACKETED/ TWISTED TO NEXT DECODER. 2 DBY (2). 3 RED / RED / BLACK WIRES TO VALVE SOLENOID (MUST MATCH COLORS). 4 MODEL BASELINE DECODER. 5 DBR-6 (3). 6 ALLOW 5 ft/ 1.5m SLACK PER DECODER. 7 INSTALL 5/8" DIAMETER GROUND ROD OF 8' LENGTH IN A 10" ROUND BOX. 8 DEC-SG-LINE EVERY 500' STARTING FROM CONTROLLER</p>		 <p>NOTES: 1. ALL MAIN SUPPLY LINES AND LATERAL LINES SHALL BE PLACED IN SLEEVES UNDER PAVED SURFACES. INSTALL LOW VOLTAGE WIRES WITHIN A SEPARATE CONDUIT UNDER PAVED SURFACES.</p> <p>1 CLEAN BACKFILL MATERIAL. 2 FINISH GRADE. 3 LATERAL LINE. 4 MAIN LINE. 5 2-WIRE CABLE. CABLE SHALL BE LAID OUT LOOSELY IN THE TRENCH. 6 DETECTABLE WARNING TAPE OVER MAIN LINE - 3" [75mm] ABOVE PIPE. 7 TYPICAL DISTANCE BETWEEN PIPES.</p>		 <p>EXISTING/NEW AC PAVEMENT PER PLAN FINISH SURFACE ELECTRICAL CONDUIT (120 VAC) WHERE OCCURS UNDISTURBED NATIVE SOIL SLEEVE SHALL BE MIN. 2X PIPE SIZE OR AS NOTED ON PLANS MAINLINE & CONTROL WIRES MIN. 12" PER ELECTRICAL CODE 36" MIN.</p>		 <p>NOTE: USE ONE AIR/RELIEF VALVE FOR EVERY 7 GPM PER ZONE. LOCATE AT HIGH POINTS.</p> <p>1 1" ABOVE FINISH GRADE. 2 FINISH GRADE. 3 6" ROUND PLASTIC VALVE BOX. HEAT BRAND "AR" ON LID IN 1" HIGH CHARACTERS. 4 TORO DL2000 AIR/VACUUM RELIEF VALVE (YD-500-34). 5 TORO TRI-LOC TEE X 1/2" FPT ADAPTER (TL-T-F50). 6 TORO DL2000 TUBING (RGP-XX-XXX) OR TORO BLUE STRIPE POLY TUBING (EHD1645-XXX) AIR-RELIEF LATERAL. 7 PEA GRAVEL (4" DEEP). 8 BRICK SUPPORTS (2 COMMON BRICKS REQUIRED). 9 NATIVE SOIL PER SPECIFICATIONS.</p>									
1	DRIP ZONE CONTROL KIT	NTS	2	WATERPROOF WIRE CONNECTION	NTS	3	2-WIRE DECODER	NTS	4	TRENCHING IN PLANTING AREA	NTS	5	BORING UNDER ROADWAY	NTS	6	AIR RELIEF VALVE	NTS
 <p>1 FLUSH VALVE PLUMBED TO FLUSH MANIFOLD AT LOW POINT 2 1" SCH 40 PVC OR FLEXIBLE PVC IPS HOSE FLUSH MANIFOLD. 3 DRIPLINE OPERATION INDICATOR LOCATED AT THE ENDS OF EACH DRIPLINE ZONE. 4 MANIFOLD-TO-ELBOW CONNECTION. 5 DRIPLINE LATERAL. 6 AREA PERIMETER. 7 PERIMETER LATERALS 2" [50mm] TO 4" [100mm] FROM EDGE. 8 PVC LATERAL LINE FROM VALVE. MINIMUM SIZE TO BE 1" UNLESS OTHERWISE NOTED. 9 TORO TRI-LOC TEE (TL-T) 10 PVC SUPPLY MANIFOLD. 11 TORO DL2000 AIR/VACUUM RELIEF VALVE (YD-500-34) PLUMBED TO SUPPLY MANIFOLD AT HIGH POINT.</p> <p>NOTE: 1. THE TOTAL LENGTH OF ALL INTERCONNECTED DRIP LINE OFF A SINGLE PVC SUPPLY LINE CONNECTION OR A SINGLE RUN OF DRIPLINE SHALL NOT EXCEED 300 FT. 2. INSTALL DRIPLINE 2-4" BELOW GRADE AND STAKE DOWN EVERY 4' OR AS REQUIRED.</p>			 <p>1 FLUSH VALVE PLUMBED TO FLUSH MANIFOLD AT LOW POINT 2 1" SCH 40 PVC OR FLEXIBLE PVC IPS HOSE FLUSH/EXHAUST MANIFOLD. 3 DRIPLINE OPERATION INDICATOR LOCATED AT THE ENDS OF EACH DRIPLINE ZONE. 4 MANIFOLD-TO-ELBOW CONNECTION. 5 DRIPLINE LATERAL. 6 AREA PERIMETER. 7 PERIMETER LATERALS 2" [50mm] TO 4" [100mm] FROM EDGE. 8 PVC SUPPLY LINE/HEADER FROM VALVE. MINIMUM SIZE TO BE 1" UNLESS OTHERWISE NOTED. 9 TORO TRI-LOC TEE (TL-T) 10 TORO DL2000 AIR/VACUUM RELIEF VALVE (YD-500-34) PLUMBED TO SUPPLY MANIFOLD AT HIGH POINT.</p> <p>NOTE: 1. THE TOTAL LENGTH OF ALL INTERCONNECTED DRIP LINE OFF A SINGLE PVC SUPPLY LINE CONNECTION OR A SINGLE RUN OF DRIPLINE SHALL NOT EXCEED 300 FT. 2. INSTALL DRIPLINE 2-4" BELOW GRADE AND STAKE DOWN EVERY 4' OR AS REQUIRED.</p>			 <p>SHRUB PLANTING IN DETENTION BASIN PER PLANTING PLAN POINT SOURCE EMITTER PER IRRIGATION LEGEND. QUANTITY PER IRRIGATION LEGEND FINISH GRADE TUBE FITTING 1/4" EDTUBE PER IRRIGATION LEGEND CONNECTION NEARBY SCH 40 PVC DRIP HEADER OR Techline TUBING</p>			 <p>SECTION/ELEVATION 1 TORO 6" POP UP SPRINKLER WITH SIDE INLET (MODEL 570Z-6P-SI-PRX WITH 5" PRECISION NOZZLE (MODEL O-T-5-OP) TURNED COMPLETELY OFF WITH ADJUSTMENT SCREW. SPRINKLER SHALL OPERATE AS THE DRIPLINE INDICATOR. USE A MINIMUM OF ONE PER ZONE AND LOCATED AT END OF ZONE. 2 DEPTH OF DRIPLINE. REFER TO IRRIGATION LEGEND. 3 FINISH GRADE. 4 TORO TRI-LOC X 1/2" MPT ADAPTER (TL-M50) 5 DRIPLINE. 6 KEEP PLUG IN SPRINKLER. ONLY USE SIDE INLET. 7 SOIL BACKFILL.</p>			 <p>NOTE: ALLOW A MINIMUM OF PVC HOSE IN VALVE BOX IN ORDER TO DIRECT FLUSHED WATER OUTSIDE VALVE BOX.</p> <p>1 FINISH GRADE 2 1/2" SCH 40 THREADED BALL VALVE. 3 1/2" SCH 40 MALE ADAPTER. 4 6" ROUND PLASTIC VALVE BOX. 5 1" IPS PVC HOSE FROM EXHAUST HEADER. 6 PEA GRAVEL SUMP (6" DEEP). 7 BRICK (1 OF 2)</p>					
5	DRIPLINE TRIANGLE LAYOUT	NTS	6	DRIPLINE CURVE LAYOUT	NTS	7	POINT SOURCE DRIP IRRIGATION	NTS	9	DRIP OPERATION INDICATOR	NTS	10	FLUSH VALVE	NTS			
 <p>1 FINISH GRADE. 2 DEPTH OF TUBING PER IRRIGATION LEGEND. 3 DEPTH OF PVC LATERAL LINE PER IRRIGATION LEGEND 4 TORO TRI-LOC TEE (TL-T) 5 DRIPLINE TUBING. 6 BLANK 5/8" [16mm] POLY TUBING. LENGTH AS NECESSARY. 7 TORO TRI-LOC MPT ADAPTER (TL-M50) 8 PVC TEE (SxSxT) WITH 1/2" [13mm] FPT OUTLET. 9 PVC LATERAL LINE FROM REMOTE CONTROL VALVE.</p> <p>NOTE: THE TOTAL LENGTH OF A SINGLE DRIP LINE RUN SHALL NOT EXCEED 300 FT.</p>			 <p>1 FINISH GRADE 2 CARSON 708 OR EQUAL. COLOR: BLACK. USE PURPLE FOR RECYCLED WATER SYSTEMS. 3 DRIPLINE TUBING 4 TORO TRI-LOC TEE X 1/2" FPT ADAPTER 5 TORO 1/2" CHECK VALVE (PCV-500) 6 1/2" SCH 40 MALE ADAPTER. 7 BRICK (1 OF 2) 8 1/2" SCH 40 PVC (LENGTH AS REQUIRED) 9 PVC LATERAL LINE SUPPLY. MINIMUM SIZE TO BE 1" UNLESS SIZED DIFFERENTLY ON DRAWINGS. USE SCH 40 PVC 1"x1"x1/2" TEE OR 90° ELBOW.</p>			 <p>1 FINISH GRADE 2 TORO TRI-LOC ELBOW (TL-E) 3 DRIPLINE TUBING 4 DEPTH OF TUBING PER IRRIGATION LEGEND. 5 TORO BLUE STRIPE POLY TUBING (EHD1645) 6 TORO TRI-LOC MPT ADAPTER (TL-M50) 7 SCH 40 PVC TEE (SxSxT) WITH 1/2" FPT OUTLET. 8 DEPTH OF PVC LATERAL LINE PER IRRIGATION LEGEND</p>			 <p>DEPTH OF PLANTING PIT SHALL NOT BE LESS THAN 1-1/2 TIMES THE DEPTH OF THE ROOTBALL. TEMPORARY WATERING BASIN, FORM SAUCER WITH 3" CONTINUOUS RIM FINISHED GRADE AMENDED SOIL PER SPECS NOTES: 1) LOOSEN ROOTS AT SIDES OF ROOTBALL ON CONTAINER GROWN SHRUBS 2) WHERE SHRUBS & GROUND COVER ARE PLANTED IN BEDS, AMEND ENTIRE BED PLANT SHRUB SO TOP OF THE ROOTBALL IS EVEN WITH FINISHED GRADE MULCH 2" MIN. DEPTH ENTIRE PLANTING BED. NO MULCH WITHIN 2" OF ROOT CROWN PLANTING BACKFILL MIXTURE, WATER & TAMP. FERTILIZER TABLETS; SEE SPECIFICATIONS SEE SUBGRADE PLANS ROOTBALL DIAMETER SHRUB PIT 2 X ROOTBALL DIAMETER</p>			 <p>L= SPACING AS CALLED FOR IN PLANTING PLAN TYPICAL PLANT LOCATION, SPACED EQUALLY IN THREE DIRECTIONS, IN ROWS, TO FORM TRIANGULAR PATTERN AS SHOWN FACE OF WALL, EDGE OF PAVING, OR HEADER L/2</p>					
11	DRIPLINE INSTALLATION	NTS	12	DRIPLINE TO PVC INSTALLATION	NTS	13	DRIPLINE ELBOW INSTALLATION	NTS	14	SHRUB PLANTING	NTS	15	TYPICAL SHRUB/GROUND COVER LAYOUT	NTS			

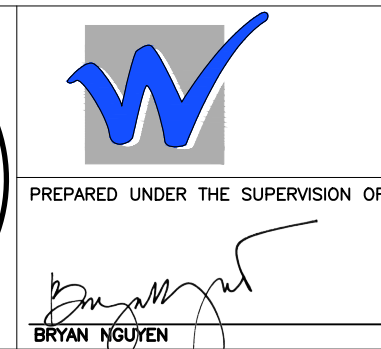
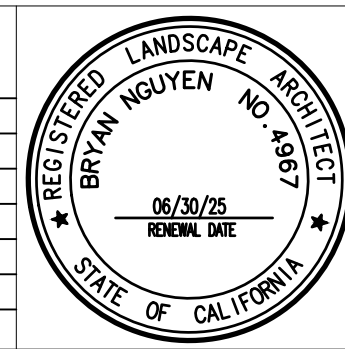
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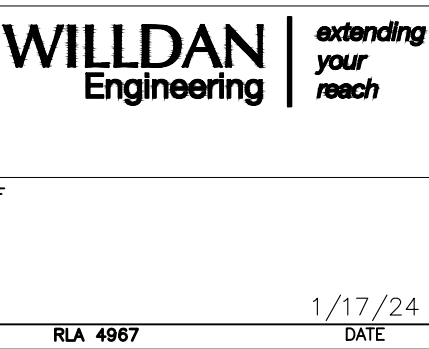
Know what's below.
Call before you dig.

REVISIONS

NO.	INITIAL	DESCRIPTION	APPROVED BY	DATE



PREPARED UNDER THE SUPERVISION OF
BRYAN NGUYEN
RLA 4967
1/17/24
DATE



SCALE:	AS SHOWN	DATE
DRAWN BY:	BN	1/17/24
DESIGNED BY:	BN	1/17/24
CHECKED BY:	JH	1/17/24



TOWN OF ATHERTON
DEPARTMENT OF PUBLIC WORKS
91 ASHFIELD ROAD
ATHERTON, CA 94027
APPROVED
DIRECTOR OF PUBLIC WORKS
ROBERT OVADA R.C.E. No. 52664
DATE

TOWN OF ATHERTON
FAIR OAKS LANE/LLOYDEN DRIVE/DINKELSPIEL LANE
INTERSECTION IMPROVEMENTS
IRRIGATION AND PLANTING DETAILS

SHEET

11 OF 11

DWG. NO.
L-3

BID SET 1/19/2024