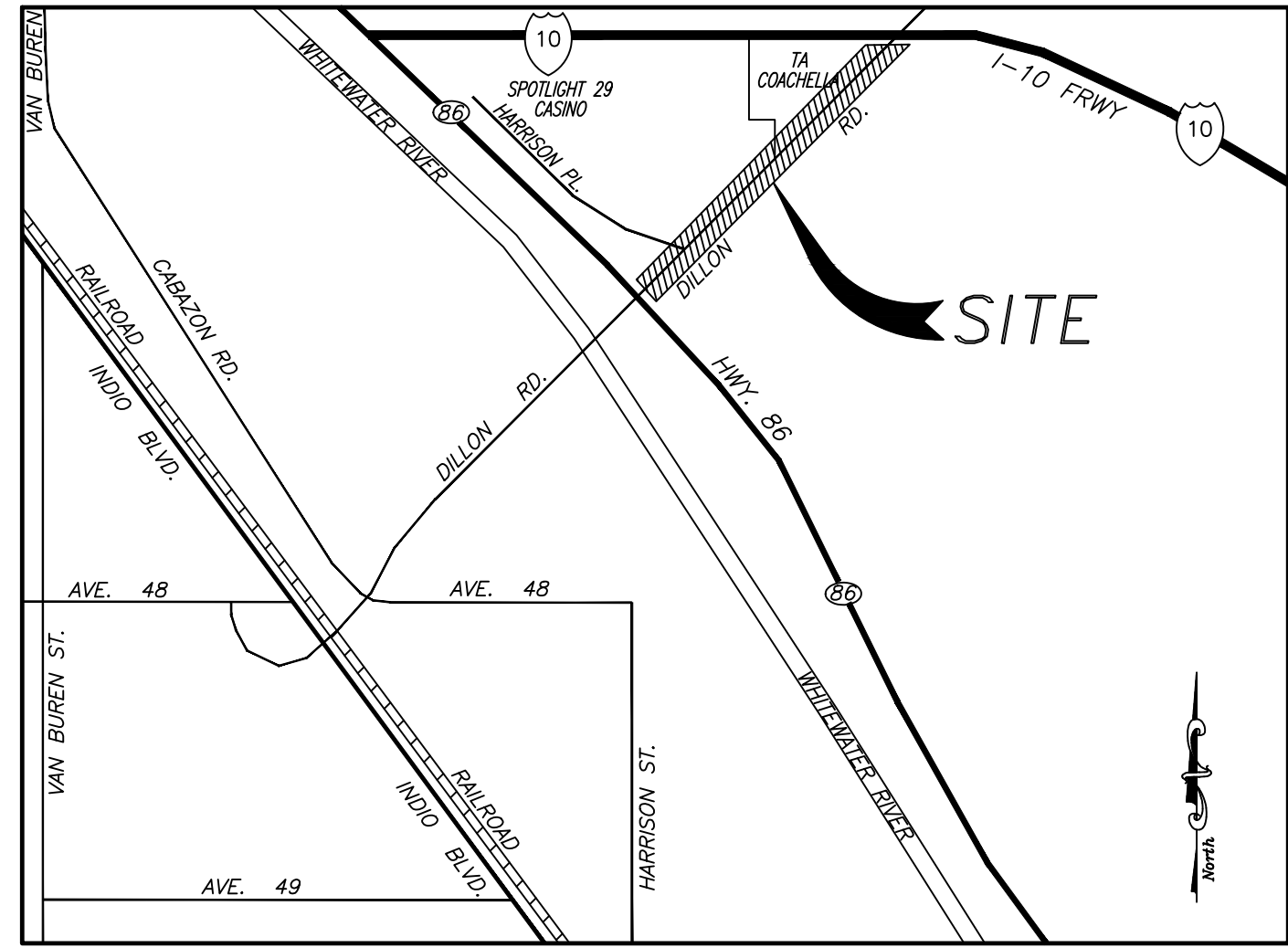


In the City of Coachella, County of Riverside
Street Improvement Plan
Dillon Road



VICINITY MAP
N.T.S.

OWNER: THE UNITED STATES OF AMERICA IN TRUST FOR THE TWENTY-NINE PALMS BAND OF MISSION INDIANS OF CALIFORNIA
1451 RESEARCH PARK DRIVE, #100
RIVERSIDE, CA 92507

APPLICANT: ANTHONY MADRICAL
29 Palms Band of Mission Indians
46-200 HARRISON STREET
COACHELLA, CA 92236
TEL: (760) 775-3259
EMAIL: amadrical@29palmsbomi-nsn.gov

ASSESSOR'S PARCEL NO.: 603-101-020
SITE ADDRESS: DILLON STREET
COACHELLA, CA 92236

BASIS OF BEARINGS: WEST PROPERTY LINE OF PARCEL "A"
AS N 0°06'51" W, PER RS 139/62

BENCHMARK: RIVERSIDE COUNTY BM 3 LL
ELEVATION=(+42.88 NAVD88)
NOTE: ADD 500 FOR PLAN ELEVATIONS

SITE BENCHMARK: RIVERSIDE COUNTY BM 3 LL
ELEVATION=(+42.88 NAVD88)
NOTE: ADD 500 FOR PLAN ELEVATIONS

SITE BENCHMARK: INDICATES THE BENCHMARK AT THE SITE WHICH THE ENGINEER OF RECORD SHALL USE TO CERTIFY PAD ELEVATION AND FINAL GRADING CERTIFICATION.

SOURCE OF TOPOGRAPHY: THE TOPOGRAPHY SHOWN HEREON WAS OBTAINED BY A FIELD SURVEY BY FEIRO ENGINEERING, INC. ON 8-19-22, 8-23-22, 8-25-22, 8-31-22, 9-6-22

NOTE: QUANTITIES ESTIMATE SHOWN IS FOR PERMIT PURPOSES ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE QUANTITIES FOR HIS BID AND PAYMENT PURPOSES.

NOTE: QUANTITIES ESTIMATE DOES NOT INCLUDE CLEARING, SHRINKAGE, SUBSIDENCE, AND OTHER LOSSES, OR ANY GRADING OR EXCAVATION COVERED UNDER A SEPARATE PERMIT.

EARTHWORK QUANTITIES ESTIMATE:

CUT = 0 CU YDS
FILL = 0 CU YDS
NET = 0 CU YDS [BALANCE]

DISTURBED AREA:

197,550 S.F.
4.53 AC

NOTE: ALL WORK WITHIN THE PUBLIC RIGHT OF WAY WILL REQUIRE A SEPARATE ENCROACHMENT PERMIT.

NOTE:

UTILITIES SHOWN REFLECT AVAILABLE PUBLIC RECORDS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY AND PROTECT ALL UTILITIES IN THE CONSTRUCTION AREA, WHETHER SHOWN OR NOT HEREON, AND TO NOTIFY UNDERGROUND SERVICE ALERT AT 811, 48 HOURS IN ADVANCE.

PRIVATE ENGINEER'S NOTE TO CONTRACTOR:

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN ON THESE DRAWINGS.

- CONTRACTOR SHALL BE RESPONSIBLE FOR CLEARING OF THE PROPOSED WORK AREA AND RELOCATION COSTS OF ALL EXISTING UTILITIES.
THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT ADJACENT PROPERTY OWNERS FROM ANY AND ALL DAMAGE THAT MAY OCCUR FROM STORM WATER RUNOFF AND/OR DEPOSITION OF DEBRIS FROM ANY AND ALL WORK IN CONJUNCTION WITH CONSTRUCTION OF THESE IMPROVEMENTS.
THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO ON-SITE, OFF-SITE, AND ADJACENT UTILITIES, FACILITIES, AND PROPERTY AND SHALL CARRY SUFFICIENT INSURANCE TO PROTECT THE CITY AND THE ADJACENT PROPERTY.
DEPTH OF BASE MATERIALS AND A.C. PAVING SHALL BE DETERMINED BY THE R-VALUE METHOD, DESIGNATED AS TEST NO. 301-F OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, HIGHWAY DESIGN MANUAL.
STREET PAVING SHALL BE INSTALLED IN TWO (2) LIFTS: TOP COURSE 1" THICK (MINIMUM) 1/2" A.C. PG-70-10 (D1) AND BOTTOM COURSE 2" THICK (MINIMUM), 3/4" A.C. PG-70-10 (C2).
WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED AT ALL CURB RETURNS IN CONFORMANCE WITH CITY STANDARD DRAWING S-26 AND ADA REQUIREMENTS.
THE CONTRACTOR SHALL INSTALL STREET NAME AND STOP SIGNS CONFORMING TO THE CITY STANDARD DRAWING S-27.
ALL MANHOLE COVERS AND WATER VALVE COVERS SHALL BE ADJUSTED TO GRADE AFTER THE STREETS HAVE BEEN FINAL PAVED PER CITY STDS.
ALL PRIVATE STREETS AND DRIVEWAYS SHALL BE CONSTRUCTED TO THE STRUCTURAL SECTION DETERMINED BY THE CITY ENGINEER.
TRIM (SAWCUT) EDGE OF EXISTING PAVEMENT WHERE NEW PAVING JOINS EXISTING TO FORM A CLEAN, SMOOTH STRAIGHT LINE.
THE CONTRACTOR SHALL NOTIFY THE CITY OF COACHELLA ENGINEERING DEPARTMENT, 619-398-5744, 72 HOURS PRIOR TO STARTING ANY STREET WORK.
ALL WORKS SHALL CONFORM WITH THE CITY OF COACHELLA IMPROVEMENT STANDARDS AND SPECIFICATIONS AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK) LATEST EDITION AND THESE PLANS.

GENERAL NOTES - STRIPING

- TRAFFIC STRIPES, PAVEMENT MARKINGS PER CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CAMUTCD), LATEST EDITION.
ALL SIGNS SHALL BE STANDARD SIZE AND INSTALLED ON GALVANIZED STEEL POSTS UNLESS OTHERWISE NOTED ON PLAN.
ALL STRIPES, SIGNS AND PAVEMENT MARKINGS SHALL BE REFLECTORIZED, AND SHALL BE APPLIED IN TWO COATS.
ALL CONFLICTING STRIPES AND PAVEMENT MARKINGS SHALL BE REMOVED BY SANDBLASTING. CONFLICTING SIGNS AND MARKERS SHALL BE REMOVED. ALL REMOVALS SHALL BE THE RESPONSIBILITY OF THE DEVELOPER.
ALL STRIPING AND MARKING DETAILS SHALL MATCH CALTRANS STANDARD PLANS DETAILS.

LEGEND & ABBREVIATIONS:

Legend and Abbreviations table listing symbols for centerline, property line, high point, grade break, existing ground, finish grade, finish surface, finish floor elevation, pad elevation, planter, top of wall, top of retaining wall, water surface, bottom of wall, bottom of footing, bottom of footing, right-of-way, driveway, top of curb, flow line, top of header, edge of existing pavement, top of pavement, top of grate, invert elevation, g-c chiseled on curb, s-c chiseled on curb, e-c chiseled on curb, existing elevation, proposed elevation, property line / right-of-way, centerline, existing contour, finish contour, drainage swale, existing slope, finish slope.

Legend and Abbreviations table listing symbols for existing curb and gutter, retaining wall, existing retaining wall, proposed block wall, existing block wall, block wall atop retaining wall, existing block wall atop retaining wall, concrete, water meter, fire hydrant, power pole, water valve, irrigation control valve, manhole, gas valve, traffic light box, telephone box, Verizon box, electric box, guy wire, street light, traffic signal, transformer, fire department connection, concrete filled steel post.

- ALL DESIGN, MATERIALS, AND CONSTRUCTION WORK SHALL CONFORM TO THE CITY OF COACHELLA STANDARD SPECIFICATIONS AND PROCEDURES AND THE CITY OF COACHELLA STANDARD DRAWINGS AND TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREENBOOK), MOST CURRENT EDITIONS AND THESE APPROVED PLANS.
THE CONTRACTOR SHALL, AT NO EXPENSE TO THE CITY, PROVIDE ALL NECESSARY SAMPLES AND TESTS REQUIRED BY THE CITY TO ASSURE THAT THE QUALITY OF THE MATERIALS AND WORKMANSHIP ARE IN ACCORDANCE WITH THESE PLANS AND SAID SPECIFICATIONS.
THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK AND SHALL MAINTAIN ALL FACILITIES COMPLETE AND UNCOMPLETED UNTIL ACCEPTED BY THE CITY.
IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAR THE RIGHT-OF-WAY IN ACCORDANCE WITH THE PROVISIONS OF LAW AS IT AFFECTS EACH UTILITY INCLUDING IRRIGATION LINES AND APPURTENANCES AT NO COST TO THE CITY.
THE CONTRACTOR SHALL OBTAIN AND REVIEW ALL NECESSARY STANDARDS, PLANS, AND SPECIFICATIONS IN DETAIL PRIOR TO START OF CONSTRUCTION. ALL DOCUMENTS INCLUDING APPROVED PLANS AND REFERENCED STANDARDS SHALL BE ON-SITE AT ALL TIMES. CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE CITY INSPECTOR PRIOR TO WORK IN THAT AREA.
ALL ELEVATIONS SHOWN TO BE EXISTING ARE FROM A RECENT SURVEY OF THE ENGINEER AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
PRIOR TO BEGINNING ANY WORK, CONTRACTOR SHALL SECURE A CITY OF COACHELLA PERMIT FOR CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE CITY OF COACHELLA (760) 398-5744, 72 HOURS PRIOR TO STARTING ANY WORK. A PRE-CONSTRUCTION MEETING SHALL BE SET UP WITH THE CITY OF COACHELLA ENGINEERING DEPARTMENT AND ALL AFFECTED UTILITY COMPANIES SHALL BE PRESENT.
CONTRACTOR SHALL CALL U.S.A. UNDERGROUND SERVICE ALERT, AT 1-800-227-2600 AND SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES 48 HOURS IN ADVANCE OF THE COMMENCEMENT OF CONSTRUCTION.
OSHA SAFETY ORDERS AND OSHA CONFINED SPACE ENTRY REQUIREMENTS SHALL BE FOLLOWED AT ALL TIMES WITHOUT EXCEPTION.
THE CONTRACTOR SHALL GUARANTEE ALL WORK FOR A PERIOD OF ONE YEAR AFTER THE DATE OF FINAL ACCEPTANCE BY CITY OF COACHELLA IN ACCORDANCE WITH THE CITY OF COACHELLA STANDARD SPECIFICATIONS.
QUANTITIES SHOWN HEREON ARE FOR ESTIMATE PURPOSES ONLY. NEITHER THE DESIGN ENGINEER NOR THE CITY OF COACHELLA GUARANTEE THE ACCURACY OR COMPLETENESS OF THE CONSTRUCTION QUANTITIES.
CONTRACTOR SHALL CONFORM TO LABOR CODE SECTION 6705 BY SUBMITTING A DETAIL PLAN TO THE CITY ENGINEER SHOWING THE DESIGN OF SHORING, BRACING, SLOPING, OR OTHER PROVISIONS TO BE MADE FOR PROTECTION OF WORKERS FROM THE HAZARD OF CAVING GROUND DURING TRENCH EXCAVATION AND PIPE INSTALLATION THEREIN. THIS PLAN MUST BE PREPARED FOR ALL TRENCHES FIVE FEET OR MORE IN DEPTH. IF THE PLAN VARIES FROM THE SHORING SYSTEM STANDARDS ESTABLISHED BY THE CONSTRUCTION SAFETY ORDERS, TITLE 8 - CALIFORNIA ADMINISTRATIVE CODE, THE PLAN SHALL BE PREPARED BY A REGISTERED ENGINEER. A COPY OF THE OSHA EXCAVATION PERMIT MUST BE SUBMITTED TO THE CITY OF COACHELLA INSPECTOR PRIOR TO CONSTRUCTION.
THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES SHOWN ON THESE PLANS WAS OBTAINED BY AVAILABLE RECORDS SEARCH BY THE DESIGN ENGINEER. TO THE BEST OF THE DESIGN ENGINEER'S KNOWLEDGE, THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS. ATTENTION IS CALLED TO THE POSSIBLE EXISTENCE OF OTHER UTILITIES OR STRUCTURES NOT SHOWN, OR IN A DIFFERENT LOCATION FROM THAT SHOWN ON THE PLANS. THE CONTRACTOR SHALL TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN ON THE PLANS AND OTHER EXISTING FACILITIES OR STRUCTURES NOT SHOWN.
APPROVAL OF THIS PLAN BY THE CITY OF COACHELLA DOES NOT CONSTITUTE A REPRESENTATION OF THE ACCURACY OF THE LOCATION OF, OR THE EXISTENCE OR NON-EXISTENCE OF, ANY UNDERGROUND UTILITY, PIPE, OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT.
CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL LOCAL, STATE, AND FEDERAL SAFETY REGULATIONS INCLUDING, BUT NOT LIMITED TO, TRENCH SAFETY AND CONFINED SPACE ENTRY.
SOILS REPORTS SHALL BE SUBMITTED TO THE CITY OF COACHELLA BY A QUALIFIED SOILS ENGINEER WHICH CERTIFIES THAT TRENCH BACKFILL WAS COMPACTED AS DIRECTED BY THE SOILS ENGINEER IN ACCORDANCE WITH ON-SITE EARTHWORK SPECIFICATIONS AND THE CITY OF COACHELLA STANDARD SPECIFICATIONS.
ALL REVISIONS TO DRAWINGS SHALL BE APPROVED BY THE CITY ENGINEER IN WRITING PRIOR TO CONSTRUCTION.
THE CONTRACTOR IS RESPONSIBLE FOR KEEPING COMPLETE RECORD OF CHANGES AND SHALL MAKE SUCH RECORD AVAILABLE TO THE DESIGN ENGINEER. THE PRIVATE ENGINEER SHALL PROVIDE AS-BUILT DRAWINGS TO THE CITY OF COACHELLA FOR REVIEW AND APPROVAL PRIOR TO FINAL ACCEPTANCE OF THE PROJECT.
THE CONTRACTOR SHALL PROTECT ALL SURVEY MONUMENTATION. IF ANY SURVEY MONUMENTS ARE DISTURBED OR DESTROYED, THE CONTRACTOR SHALL RETAIN A LICENSED SURVEYOR TO RE-ESTABLISH AND RECORD THE MONUMENT CHANGE PER STATE LAW.
CONTRACTOR SHALL NOT INTERRUPT OR DISTURB ANY UTILITY FACILITY WITHOUT AUTHORITY FROM THE UTILITY COMPANIES. WHERE PROTECTION IS REQUIRED TO ENSURE INTEGRITY OF UTILITY FACILITIES (INCLUDING CITY-OWNED UTILITIES), CONTRACTOR SHALL FURNISH AND PLACE ALL NECESSARY PROTECTION.

NOTE: THE QUANTITIES SHOWN HEREON ARE FOR PERMIT PURPOSES ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL QUANTITIES FOR THEIR OWN BID AND PAYMENT PURPOSES.

CONSTRUCTION NOTES AND QUANTITY ESTIMATE:

Table with 4 columns: SYM., DESCRIPTION, QUANTITY, UNIT, CITY OF COACHELLA STD.

NOTE: THE QUANTITIES SHOWN HEREON ARE FOR PERMIT PURPOSES ONLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL QUANTITIES FOR THEIR OWN BID AND PAYMENT PURPOSES.

DEMOLITION NOTES AND QUANTITY ESTIMATE:

Table with 4 columns: SYM., DESCRIPTION, QUANTITY, UNIT.

WATER SYSTEM CERTIFICATION

I CERTIFY THAT THE DESIGN OF THE WATER SYSTEM FOR DILLON ROAD IS IN ACCORDANCE WITH THE WATER SYSTEM MASTER PLAN OF THE CITY OF COACHELLA AND THAT THE WATER SERVICE, STORAGE AND DISTRIBUTION SYSTEM WILL BE ADEQUATE TO SUPPLY WATER TO SAID PROJECT AT ANY SPECIFIC QUANTITIES, FLOWS, OR PRESSURE FOR FIRE PROTECTION OR ANY OTHER PURPOSE.

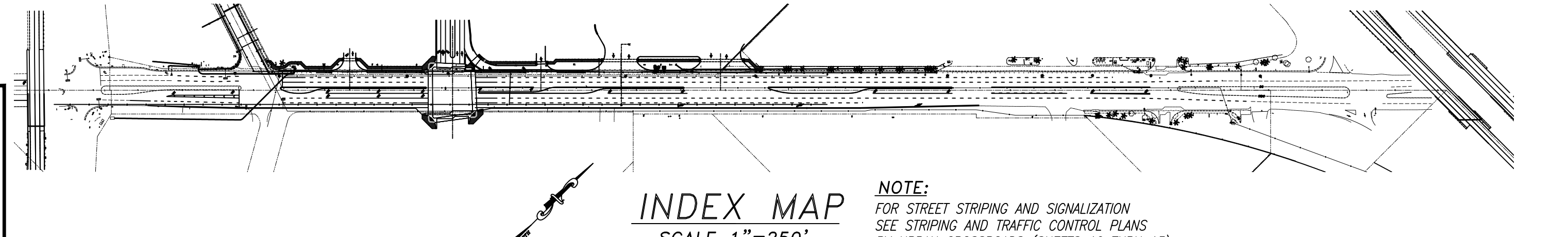
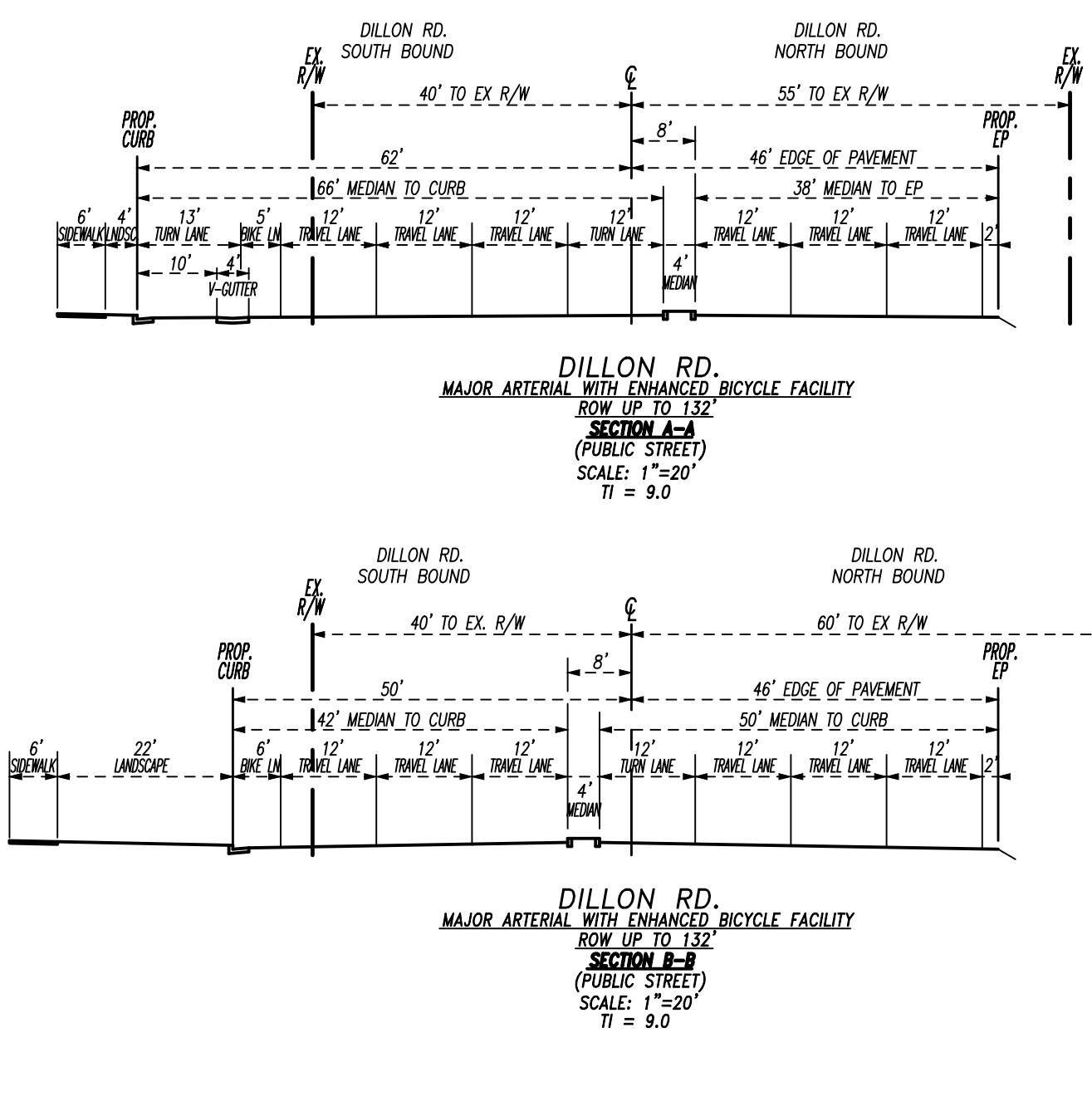
CASTULO R. ESTRADA
UTILITIES MANAGER
DATE

HORIZONTAL CURB DATA:

Curve Table with columns: CURVE, DELTA, LENGTH, RADIUS, TANGENT. Includes data for various curves along Dillon Road.

HORIZONTAL CURB DATA:

Line Table with columns: LINE, LENGTH, BEARING. Includes data for various line segments.



INDEX MAP SCALE 1"=250'

NOTE: FOR STREET STRIPING AND SIGNALIZATION SEE STRIPING AND TRAFFIC CONTROL PLANS BY URBAN CROSSROADS (SHEETS TO THRU 13).

811 logo with text: Know what's below. Call before you dig.

Approval table with columns: DATE, BY, MARK, APPR., DATE. Includes fields for Engineer, Designer, Checker, and City.



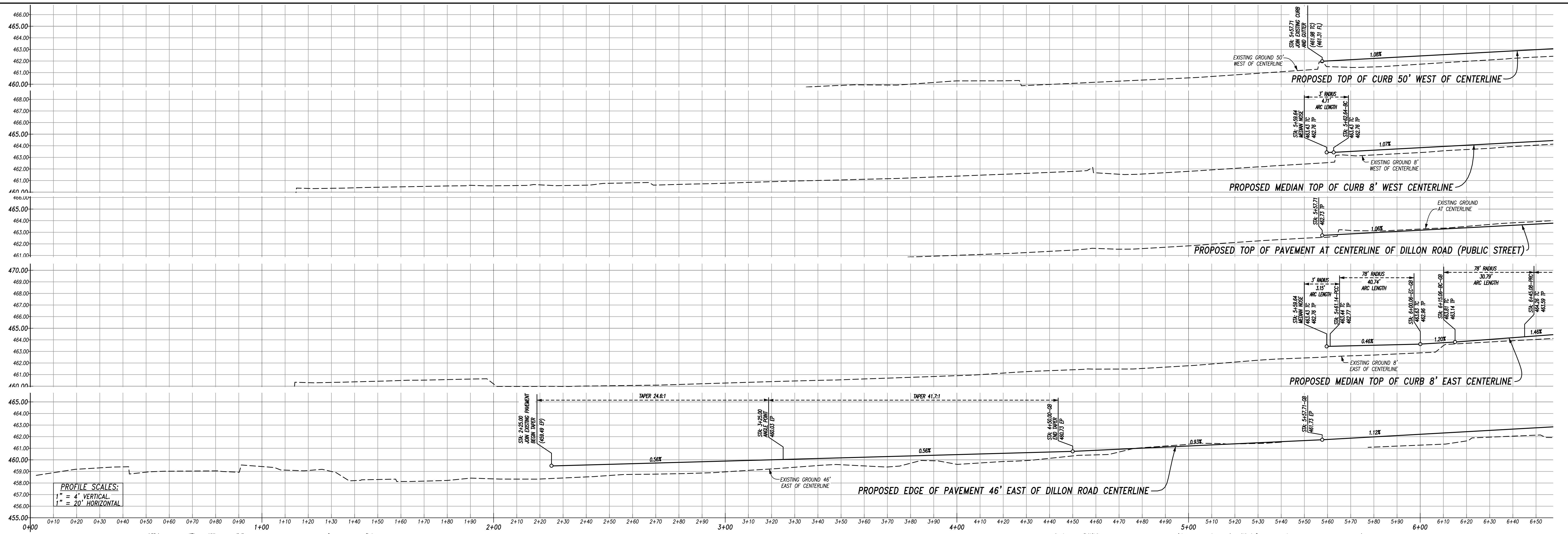
Designed by: Ronald K. Feiro, President, R.C.E. No. 52280. Date: 1-8-24. City of Coachella logo.



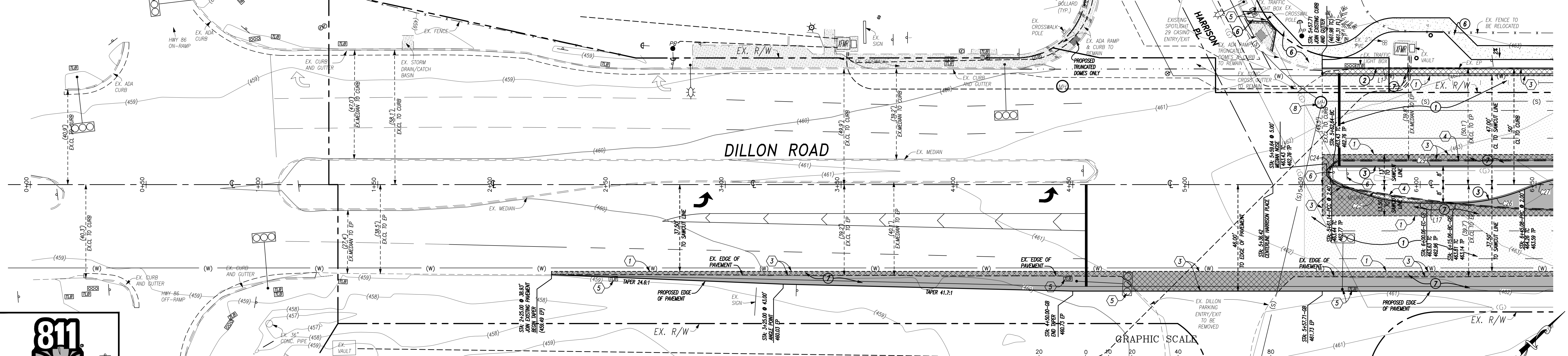
City of Coachella Recommended for Approval: Steven Nix, TKE Engineering, Date: 01/09/24. Approved for Construction: Andrew R. Simmons, R.C.E. No. 72868, Date: 01/11/2024.

Designed by: RKF. Drafted by: JG. Checked by: RKF. Benchmark: SEE ABOVE. In the City of Coachella Street Improvement Plan. Portion of Dillon Road. Dillon Road, Coachella, CA. 92236. 29 Palms Band of Mission Indians.

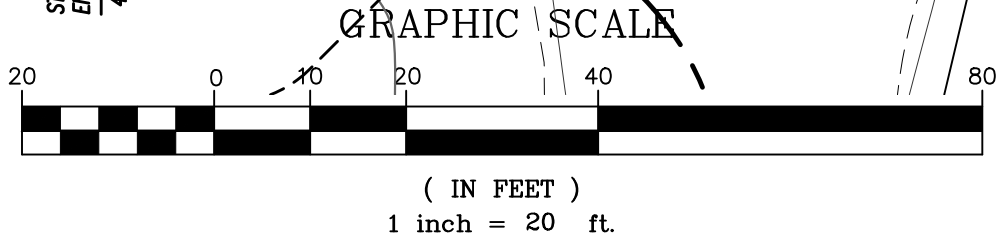
SHEET INDEX table listing sheet numbers and descriptions, such as 1 STREET IMPROVEMENT PLAN TITLE SHEET, 2 STREET IMPROVEMENT PLAN & PROFILE, etc.



PROFILE SCALES:
 1" = 4' VERTICAL
 1" = 20' HORIZONTAL



DILLON ROAD - (PUBLIC STREET)



NOTE:
 FOR STREET STRIPING AND SIGNALIZATION
 SEE STRIPING AND TRAFFIC CONTROL PLANS
 BY URBAN CROSSROADS (SHEETS 10 THRU 13).



DESIGNED BY	DRAWN BY	CHECKED BY	APPR. DATE



DESIGNED BY
RKF
 Ronald K. Feiro
 President
 R.C.E. No. 52260

DATE
 1-8-24

FEIRO ENGINEERING
 P.O. BOX 12986
 PALM DESERT, CA 92255
 www.feiro.net
 TELEPHONE (760) 348-8015



CITY OF COACHELLA

RECOMMENDED FOR APPROVAL:
Steven Nix
 TKE ENGINEERING
 DATE 01/09/24

APPROVED FOR CONSTRUCTION:
 ANDREW R. SIMMONS, R.C.E. NO. 72868
 DATE 01/11/2024

DESIGNED BY:
 RKF

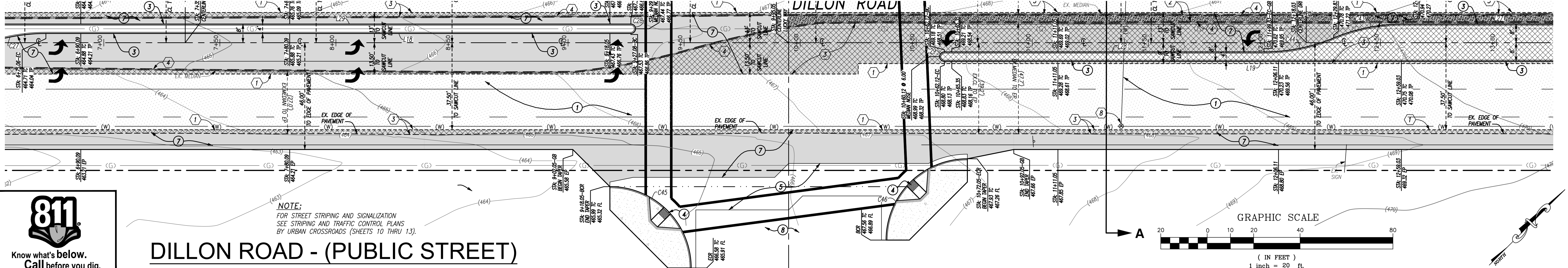
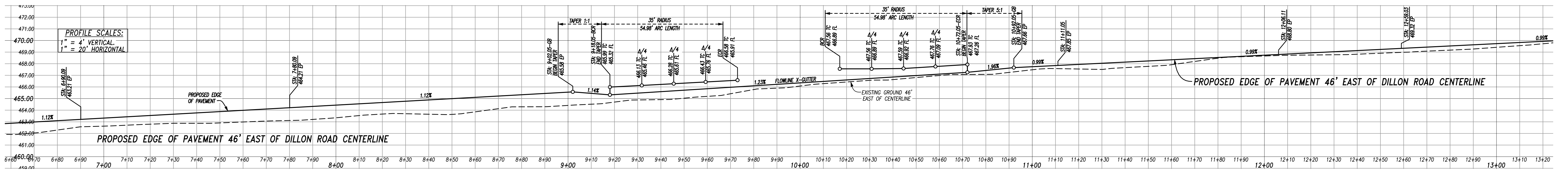
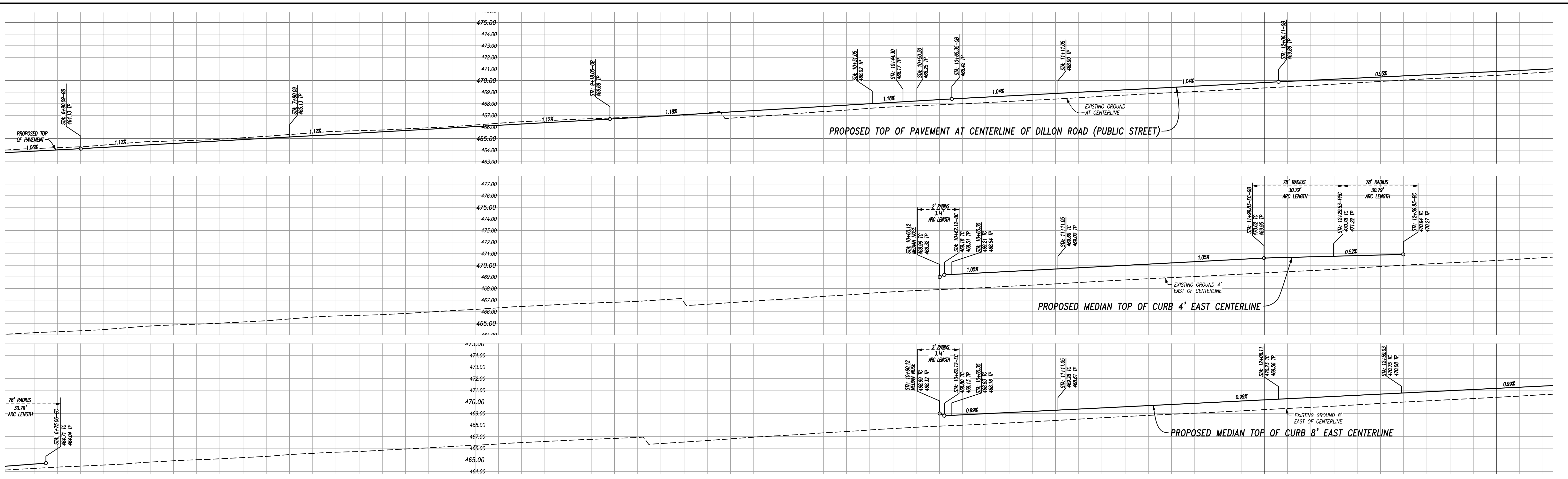
DRAFTED BY:
 JG

CHECKED BY:
 RKF

BENCHMARK:
 SEE ABOVE

In the City of Coachella
Street Improvement Plan
 Portion of Dillon Road
 Dillon Road, Coachella, CA. 92236
 FOR 29 Palms Band of Mission Indians

SHEET NO.
 2
 OF 22 SHTS.
 DWG NO.
 156L3st101
 JOB NO.
 156L-003
 LAYOUT:
 ST02



DILLON ROAD - (PUBLIC STREET)

NOTE:
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SEE STRIPING AND TRAFFIC CONTROL PLANS
BY URBAN CROSSROADS (SHEETS 10 THRU 13).

DESIGNED BY	DATE	1-8-24
ENGINEER	REVISIONS	CITY
DRAWN BY	CHECKED BY	



DESIGNED BY
Ronald K. Feiro
President
R.C.E. No. 52260

FEIRO ENGINEERING
P.O. BOX 12980
PALM DESERT, CA 92255
www.feiro.net
TELEPHONE (760) 348-8015



CITY OF COACHELLA

RECOMMENDED FOR APPROVAL:
Steven Nix
TKE ENGINEERING
DATE: 01/09/24

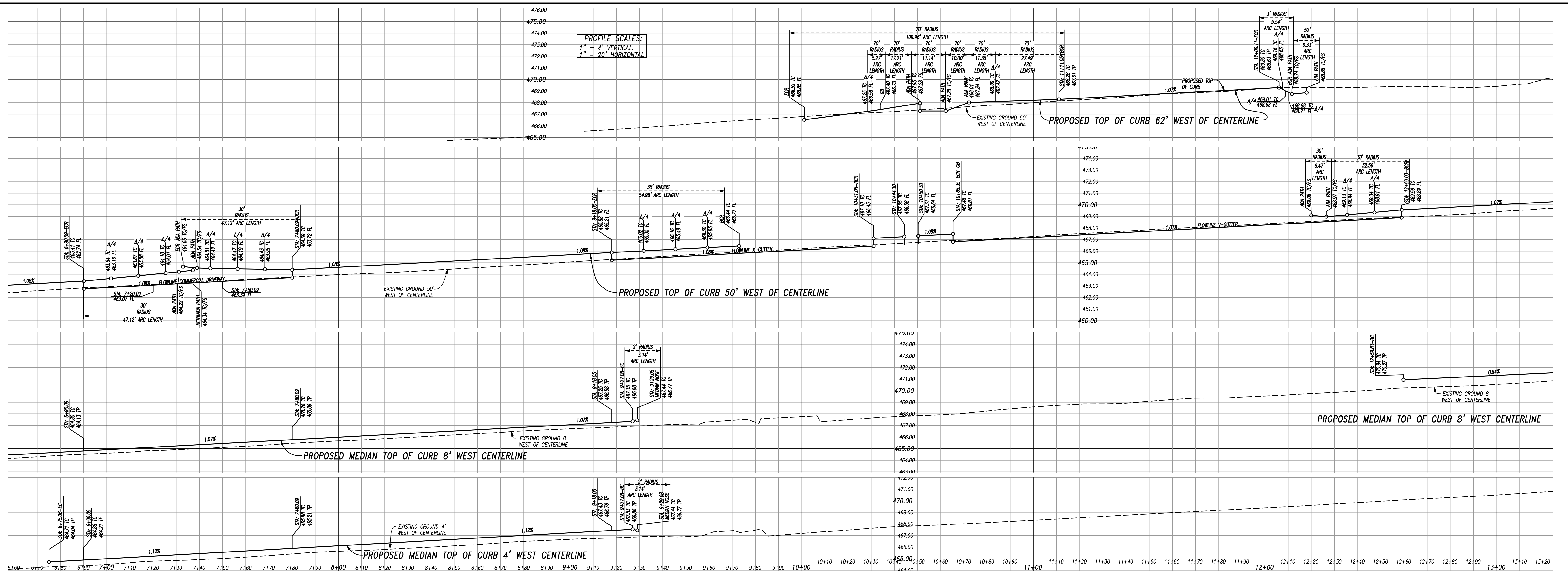
APPROVED FOR CONSTRUCTION:
Andrew R. Simmons, R.C.E. No. 72868
DATE: 01/11/2024

DESIGNED BY: RKF
DRAFTED BY: JG
CHECKED BY: RKF
BENCHMARK: SEE ABOVE

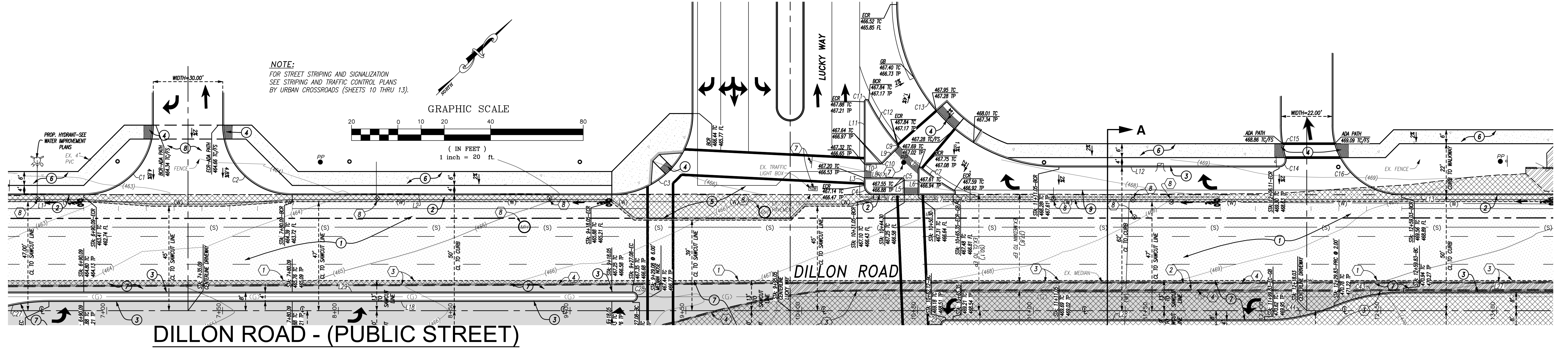
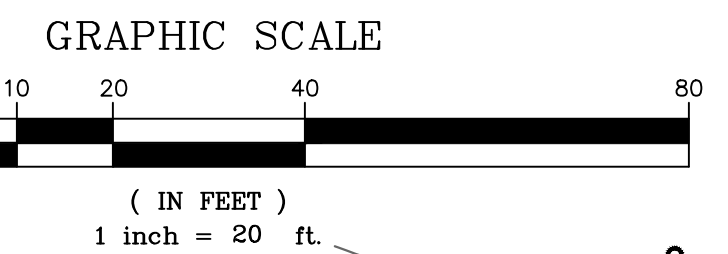
In the City of Coachella
Street Improvement Plan
Portion of Dillon Road
Dillon Road, Coachella, CA. 92236
FOR 29 Palms Band of Mission Indians

SHEET NO. 3
OF 22 SHTS.
DWG NO. 156L3st101
JOB NO. 156L-003
LAYOUT: ST03

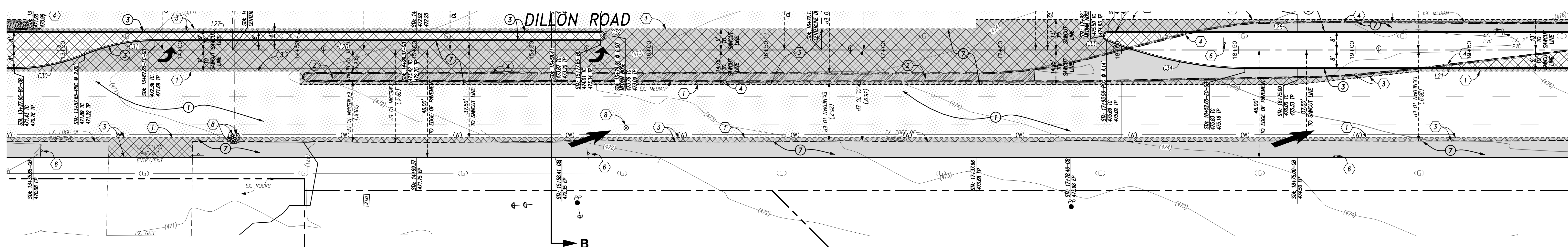
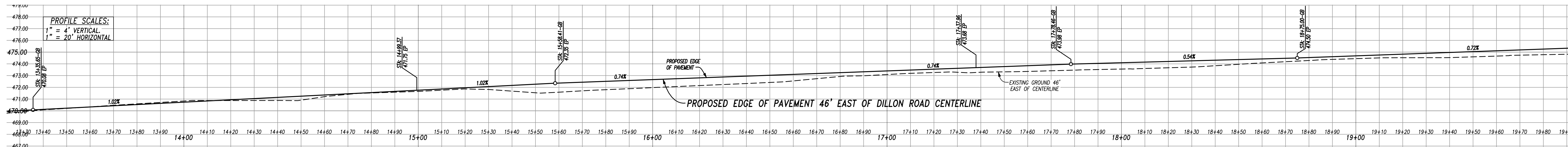
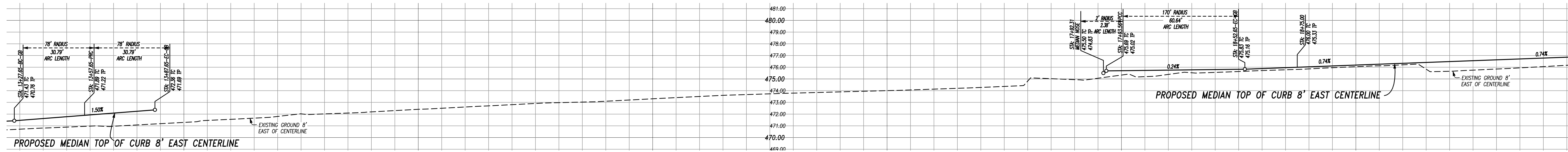
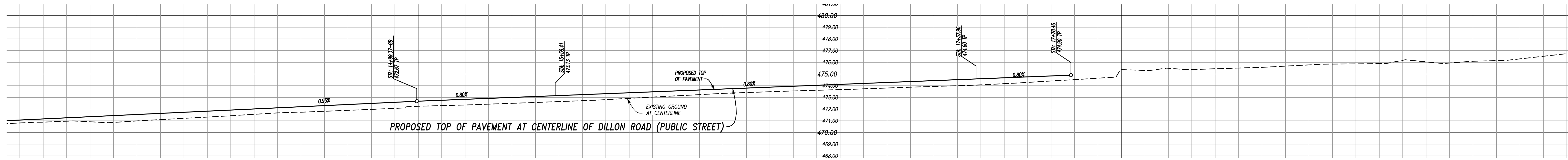
PROFILE SCALES:
 1" = 4' VERTICAL
 1" = 20' HORIZONTAL



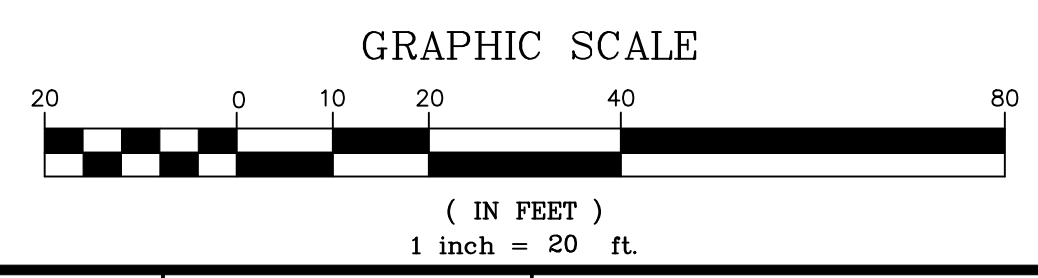
NOTE:
 FOR STREET STRIPING AND SIGNALIZATION
 SEE STRIPING AND TRAFFIC CONTROL PLANS
 BY URBAN CROSSROADS (SHEETS 10 THRU 13).



	DESIGNED BY	DATE			CITY OF COACHELLA RECOMMENDED FOR APPROVAL: <i>Steven Nix</i> TKE ENGINEERING APPROVED FOR CONSTRUCTION: ANDREW R. SIMMONS, R.C.E. NO. 72868	DESIGNED BY:	In the City of Coachella Street Improvement Plan Portion of Dillon Road Dillon Road, Coachella, CA. 92236 FOR 29 Palms Band of Mission Indians	SHEET NO.
	ENGINEER	1-8-24				RONALD K. FEIRO		ANDREW R. SIMMONS
DESIGNED BY	REVISIONS	APPR. DATE	APPROVER'S SEAL	DATE	CHECKED BY:	OF 22 SHTS.		
DRAWN BY	CITY	DATE	DATE	DATE	BENCHMARK:	DWG NO.		
CHECKED BY					SEE ABOVE	156L3st101		
						JOB NO.		
						156L-003		
						LAYOUT:		
						ST04		

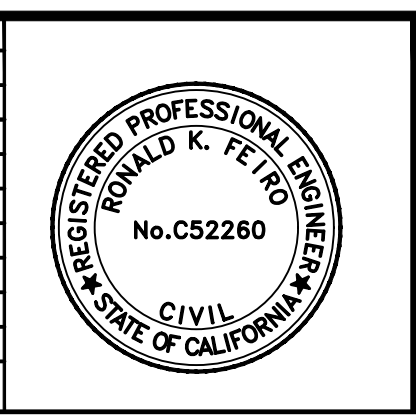


NOTE:
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DILLON ROAD - (PUBLIC STREET)

DESIGNED BY	DRAWN BY	CHECKED BY	APPR. DATE
ENGINEER	REVISIONS		CITY
DATE	BY	MARK	



DESIGNED BY
RK Feiro
Ronald K. Feiro
President
R.C.E. No. 52260
DATE
1-8-24

FEIRO ENGINEERING
P.O. BOX 12980
PALM DESERT, CA 92256
www.feiro.net
TELEPHONE (760) 348-8015



CITY OF COACHELLA
RECOMMENDED FOR APPROVAL:
Steven Nix
TKE ENGINEERING
DATE
01/09/24

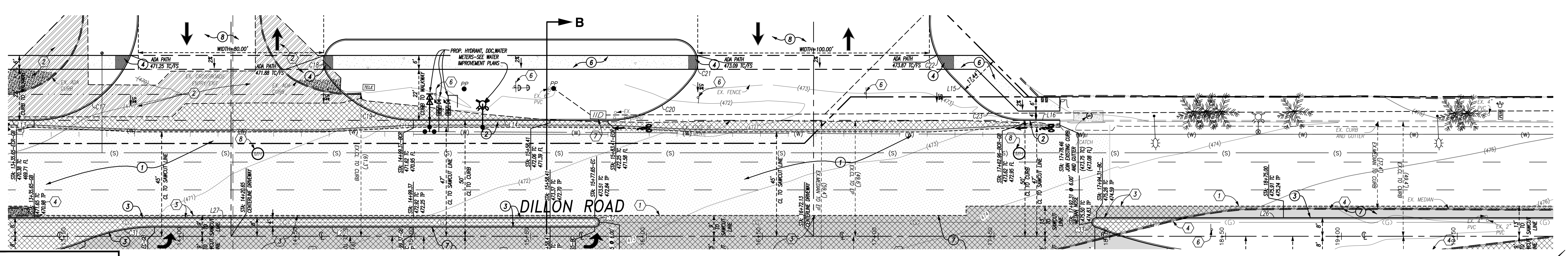
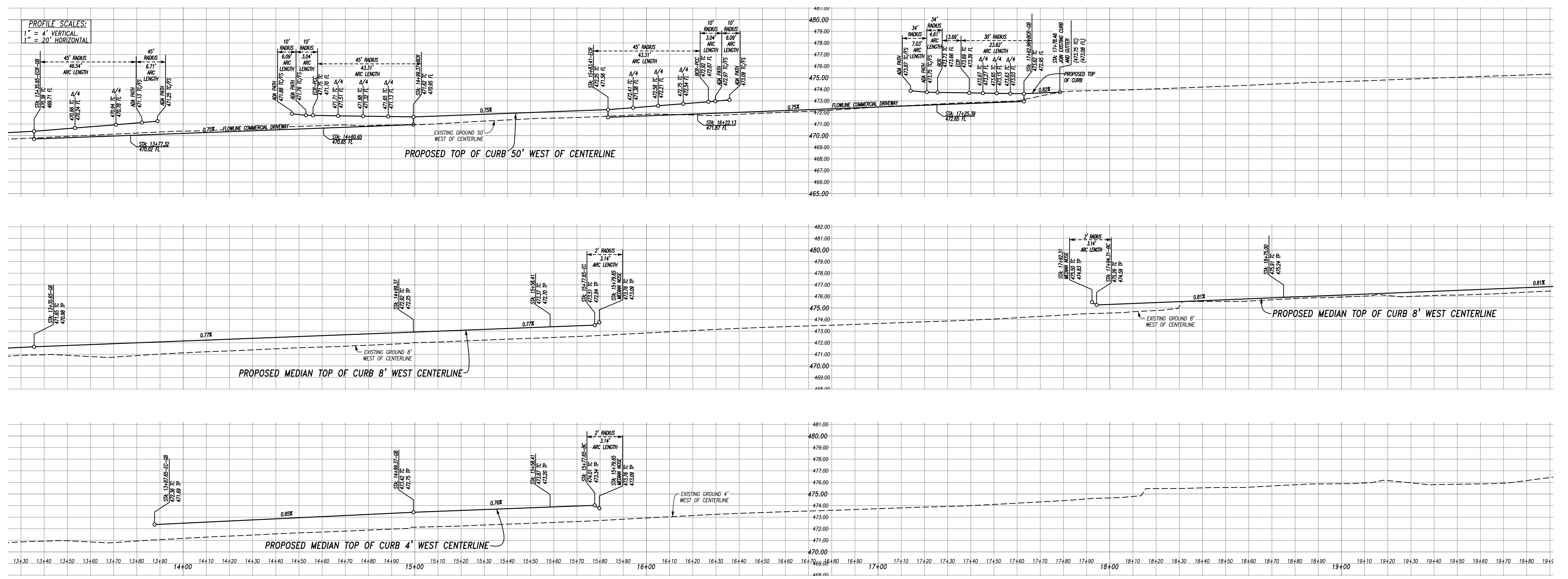
APPROVED FOR CONSTRUCTION:
ANDREW R. SIMMONS, R.C.E. NO. 72868
DATE
01/11/2024

DESIGNED BY: RKF
DRAFTED BY: JG
CHECKED BY: RKF
BENCHMARK: SEE ABOVE

In the City of Coachella
Street Improvement Plan
Portion of Dillon Road
Dillon Road, Coachella, CA. 92236
FOR
29 Palms Band of Mission Indians

SHEET NO. 5
OF 22 SHTS.
DWG NO. 156L3st101
JOB NO. 156L-003
LAYOUT: ST05

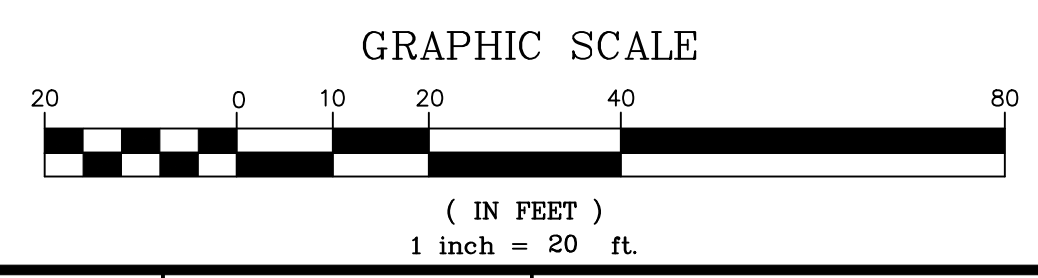
PROFILE SCALES:
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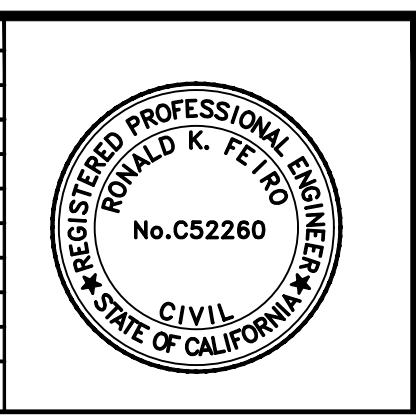
Know what's below.
 Call before you dig.

DILLON ROAD - (PUBLIC STREET)

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	DESIGNED BY	DATE	APPR. DATE
	ENGINEER	REVISIONS	CITY
DATE	BY	MARK	
DESIGNED BY	DRAWN BY	CHECKED BY	



DESIGNED BY
RK Feiro
 Ronald K. Feiro
 President
 R.C.E. No. 52260
 DATE
1-8-24
 FEIRO ENGINEERING
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 PALM DESERT, CA 92255
 www.feiro.net
 TELEPHONE (760) 348-8015

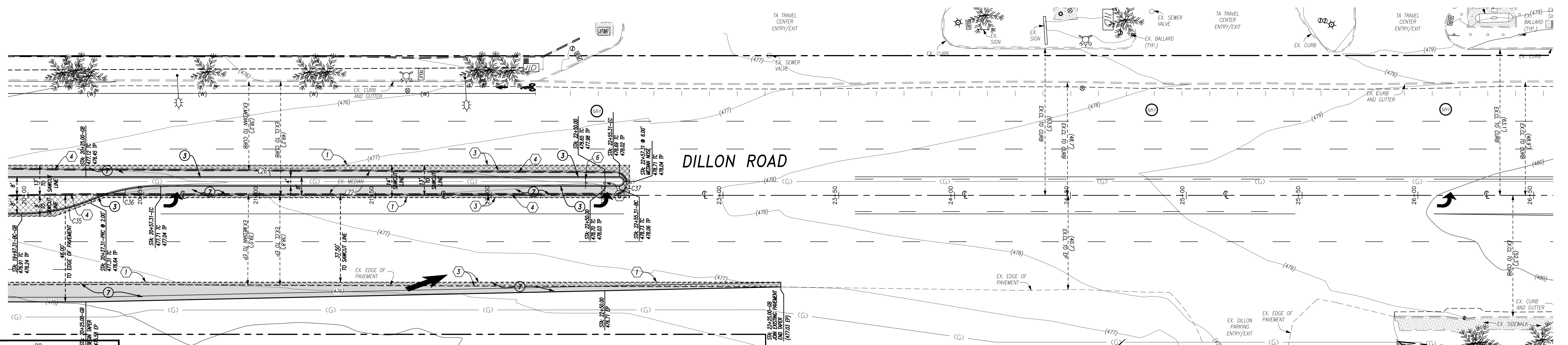
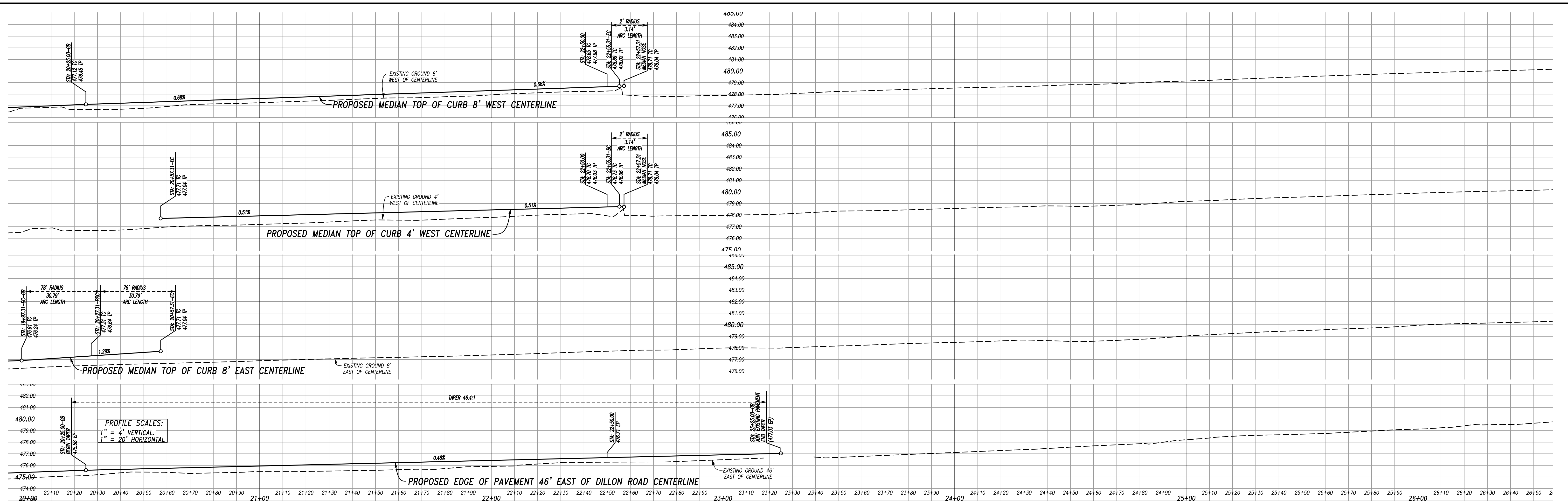


CITY OF COACHELLA
 RECOMMENDED FOR APPROVAL:
Steven Nix
 TKE ENGINEERING
 DATE
01/09/24
 APPROVED FOR CONSTRUCTION:
 ANDREW R. SIMMONS, R.C.E. NO. 72868
 DATE
01/11/2024

DESIGNED BY:
 RKF
 DRAFTED BY:
 JG
 CHECKED BY:
 RKF
 BENCHMARK:
 SEE ABOVE

In the City of Coachella
Street Improvement Plan
 Portion of Dillon Road
 Dillon Road, Coachella, CA. 92236
 FOR
 29 Palms Band of Mission Indians

SHEET NO.
6
 OF **22** SHTS.
 DWG NO.
 156L3s101
 JOB NO.
 156L-003
 LAYOUT:
 ST06



NOTE:
FOR STREET STRIPING AND SIGNALIZATION
SEE STRIPING AND TRAFFIC CONTROL PLANS
BY URBAN CROSSROADS (SHEETS 10 THRU 13).

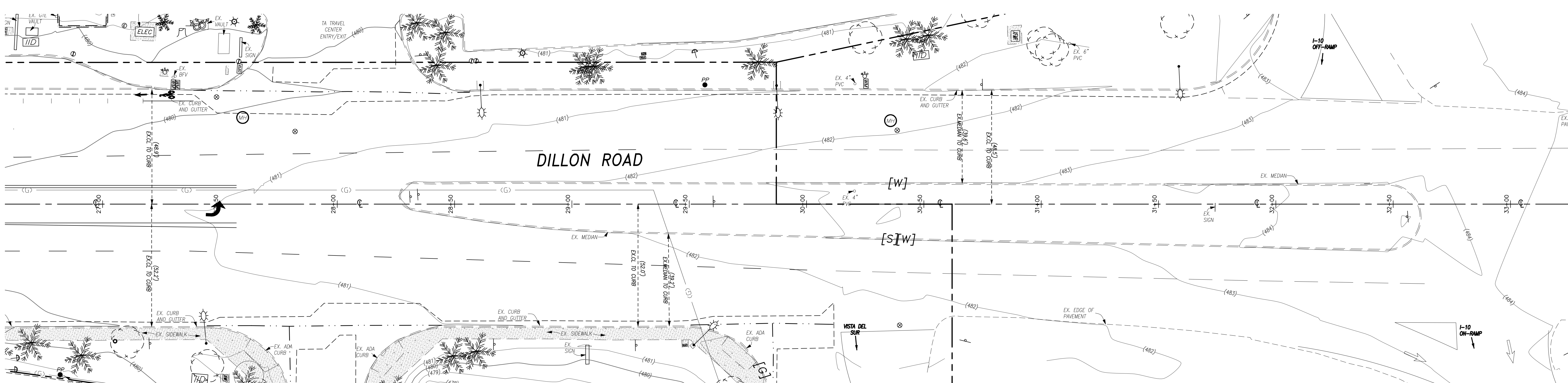
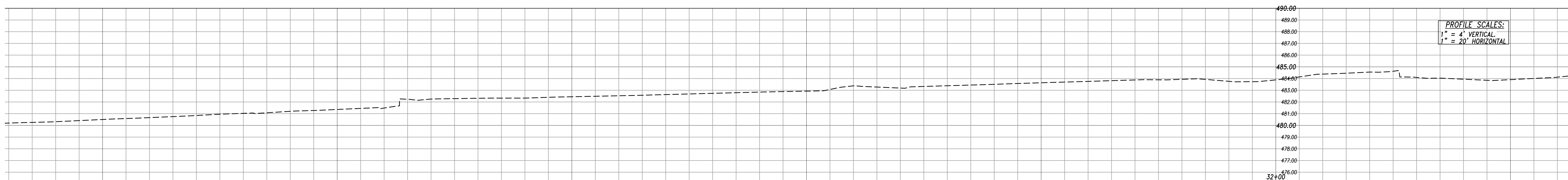
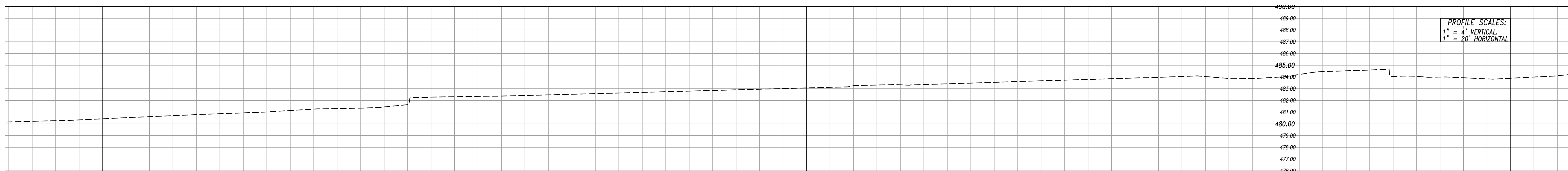
811
Know what's below.
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DILLON ROAD - (PUBLIC STREET)

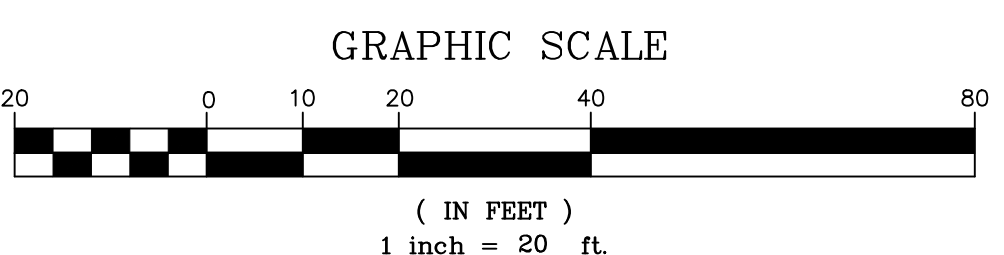
GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft.

	DESIGNED BY	RONALD K. FEIRO R.C.E. No. 52260	DATE	1-8-24		CITY OF COACHELLA RECOMMENDED FOR APPROVAL: <i>Steven Nix</i> TKE ENGINEERING APPROVED FOR CONSTRUCTION: ANDREW R. SIMMONS, R.C.E. NO. 72868	DESIGNED BY:	RKF	In the City of Coachella Street Improvement Plan Portion of Dillon Road Dillon Road, Coachella, CA. 92236 FOR 29 Palms Band of Mission Indians	SHEET NO.	7	
	DATE	BY	MARK	REVISIONS			APPR. DATE	CITY		DRAFTED BY:	JG	OF 22 SHTS.
DESIGNED BY	DRAWN BY	CHECKED BY					CHECKED BY:	RKF	BENCHMARK:	SEE ABOVE	JOB NO.	156L-003
											LAYOUT:	ST07

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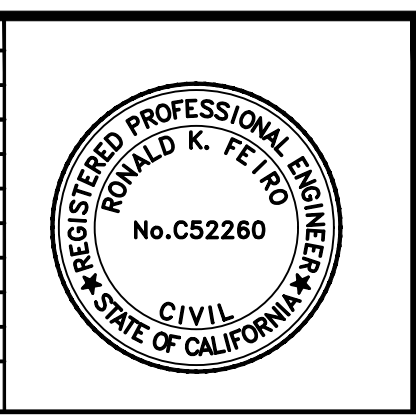


DILLON ROAD - (PUBLIC STREET)



NOTE:
FOR STREET STRIPING AND SIGNALIZATION
SEE STRIPING AND TRAFFIC CONTROL PLANS
BY URBAN CROSSROADS (SHEETS 10 THRU 13).

DESIGNED BY	DRAWN BY	CHECKED BY	DATE
ENGINEER	REVISIONS	APPR. DATE	CITY



DESIGNED BY
RK Feiro
Ronald K. Feiro
President
R.C.E. No. 52260

DATE
1-8-24

FEIRO ENGINEERING
P.O. BOX 12980
PALM DESERT, CA 92255
www.feiro.net
TELEPHONE (760) 348-8015



CITY OF COACHELLA

RECOMMENDED FOR APPROVAL:
Steven Nief
TKE ENGINEERING
DATE: 01/09/24

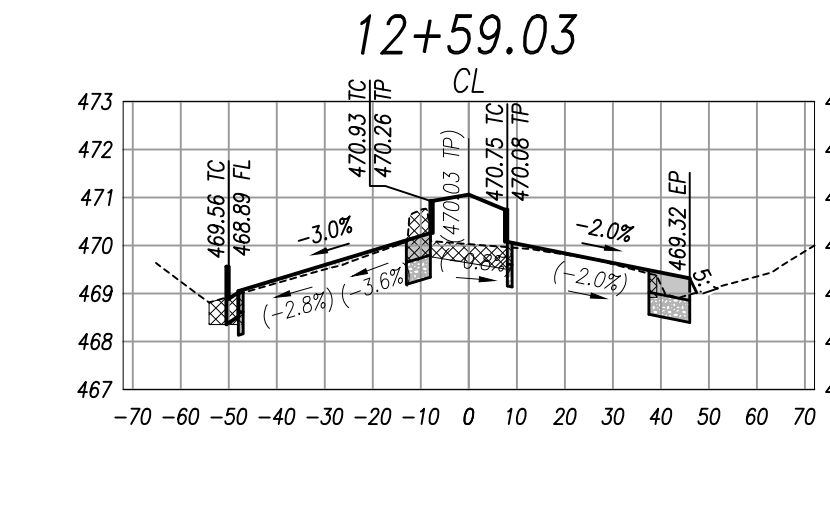
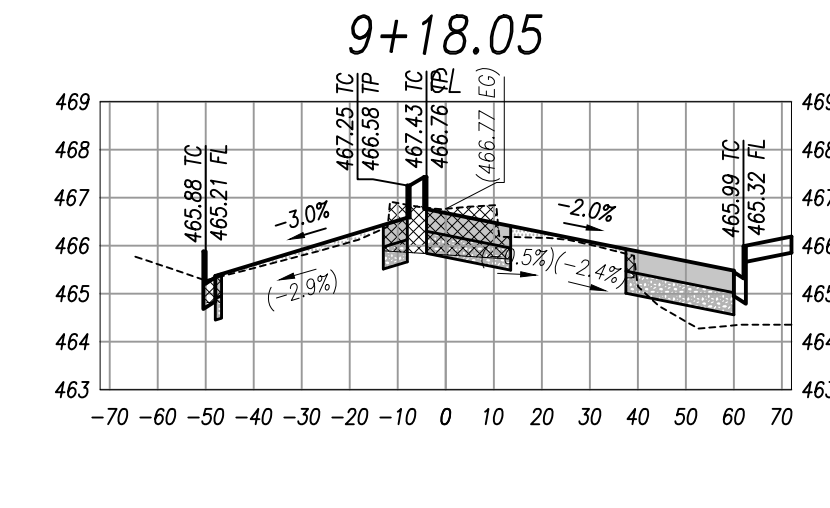
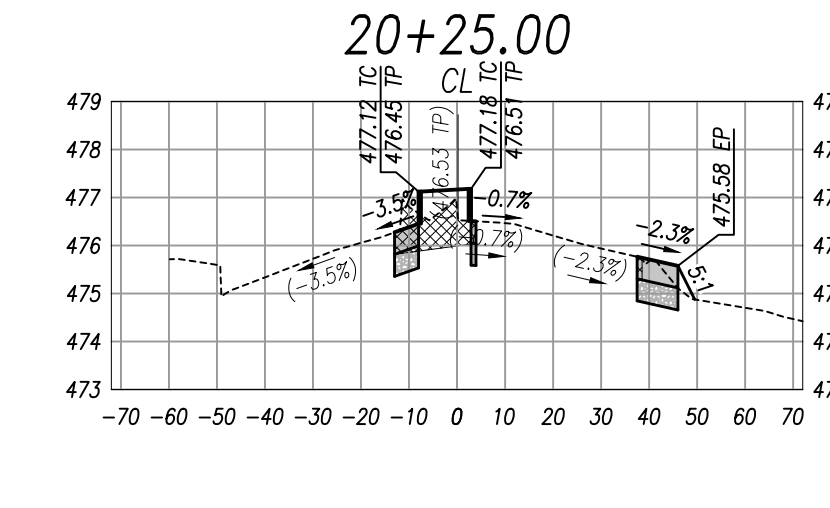
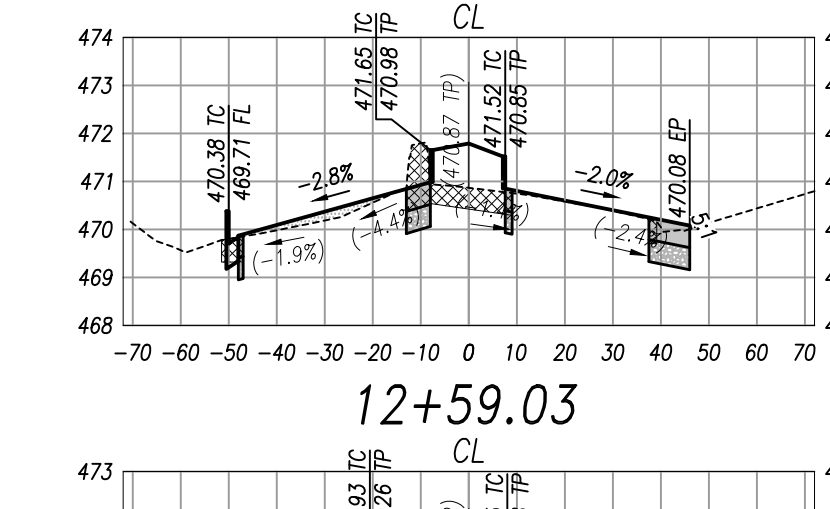
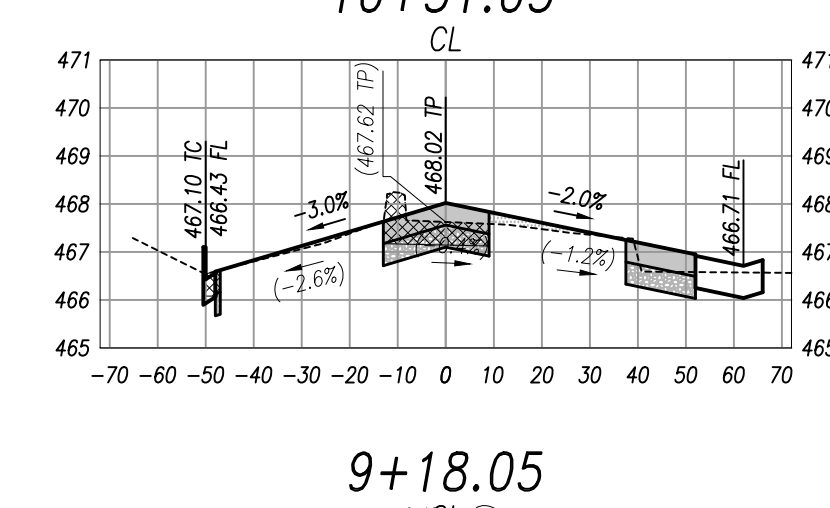
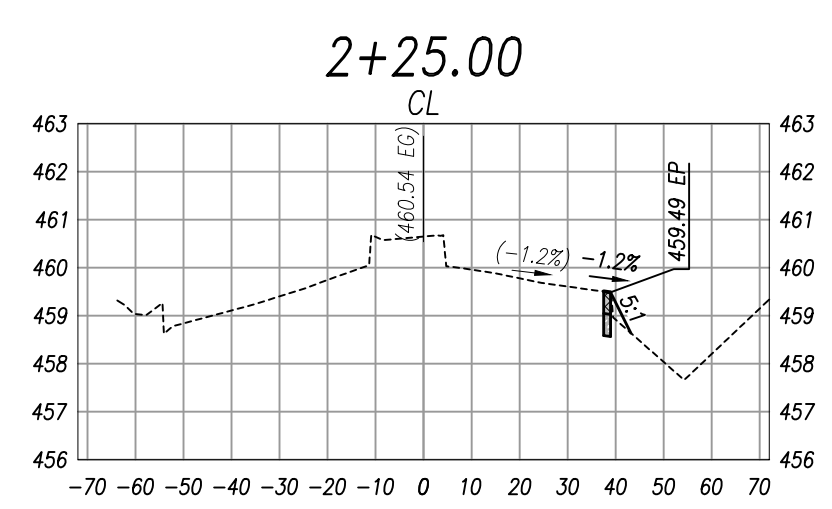
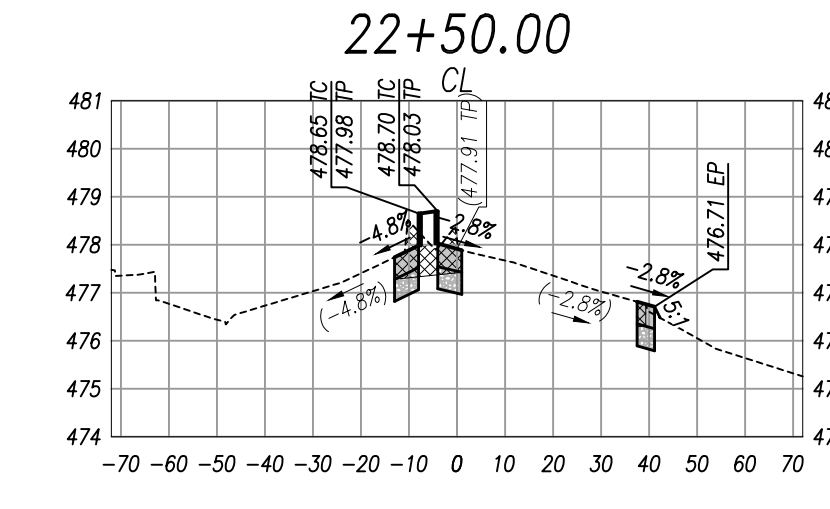
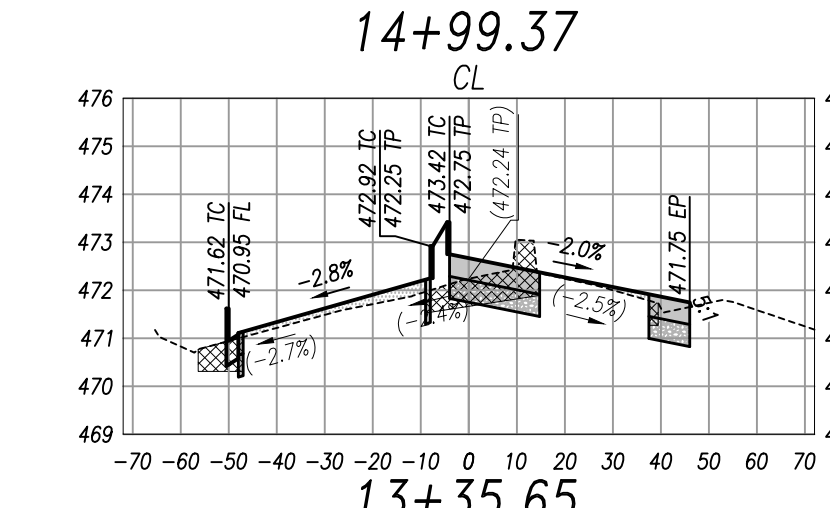
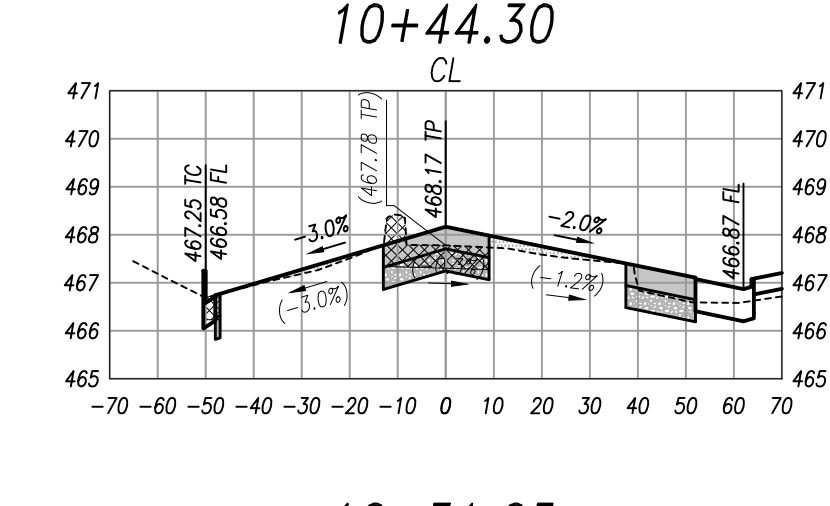
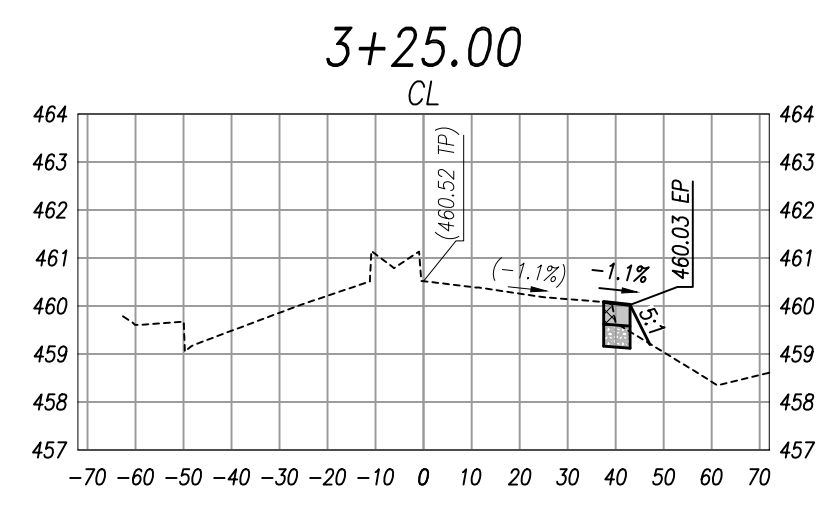
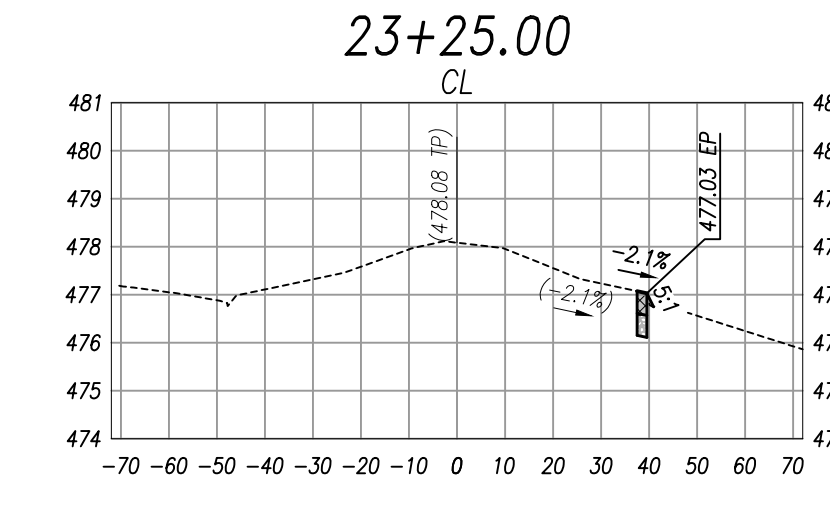
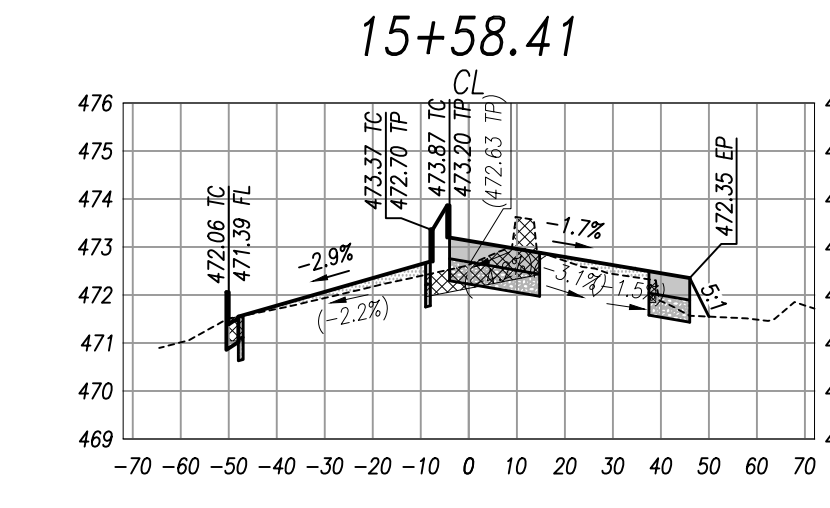
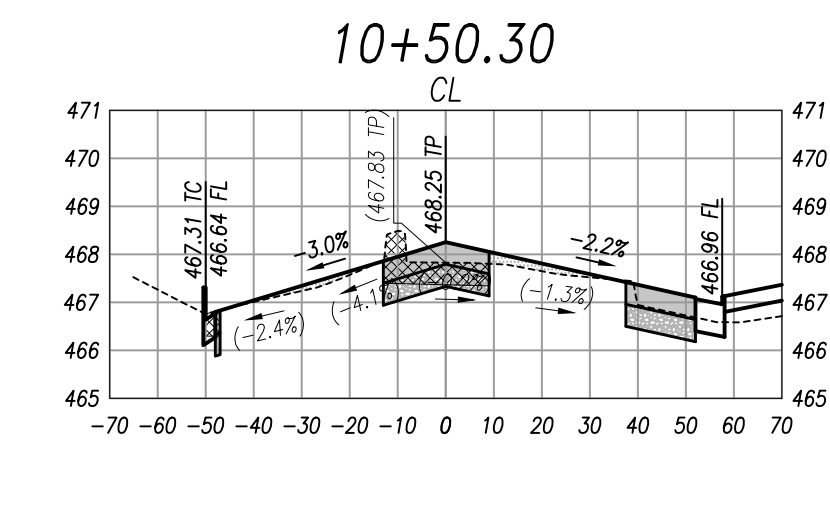
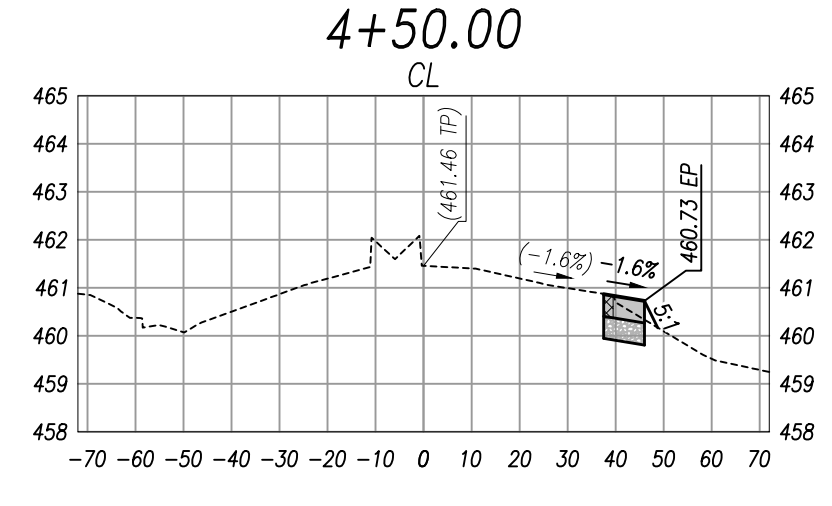
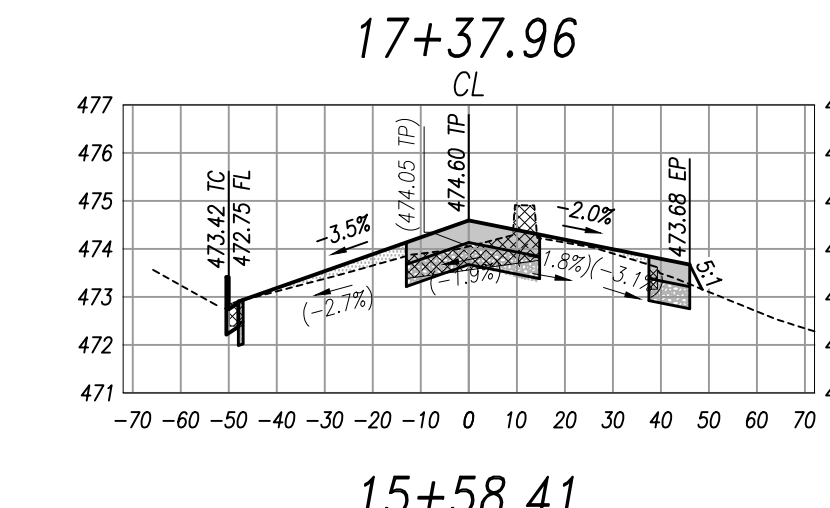
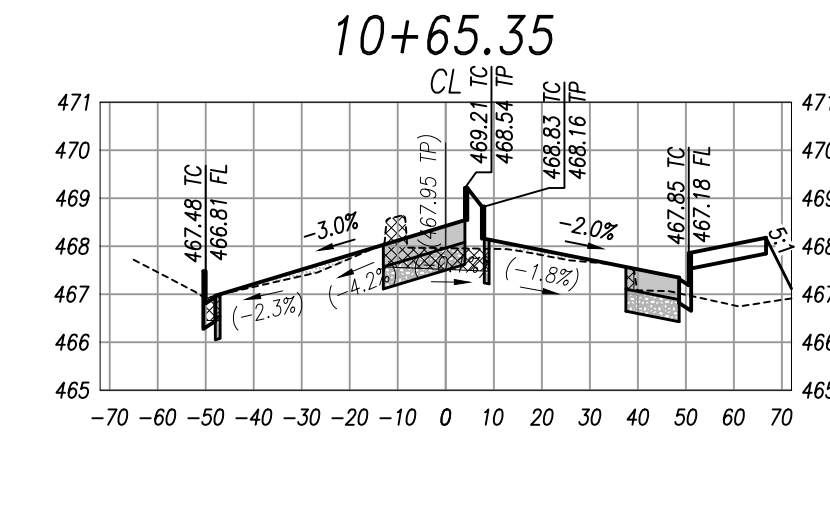
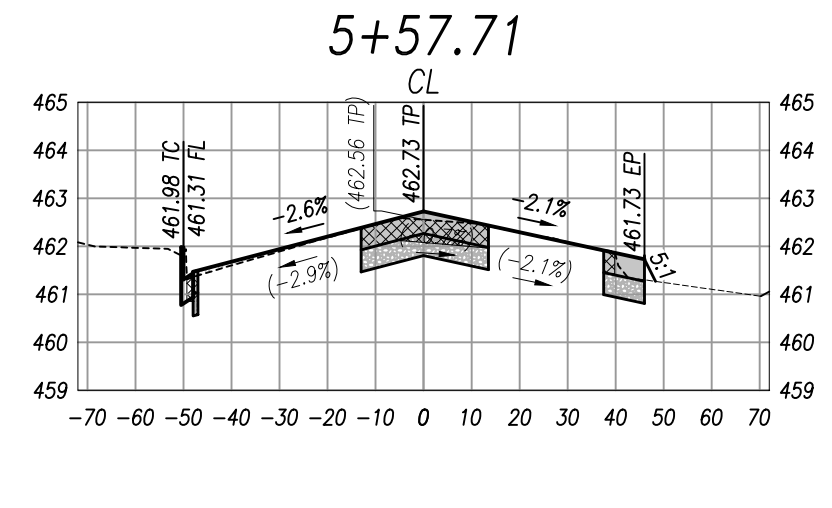
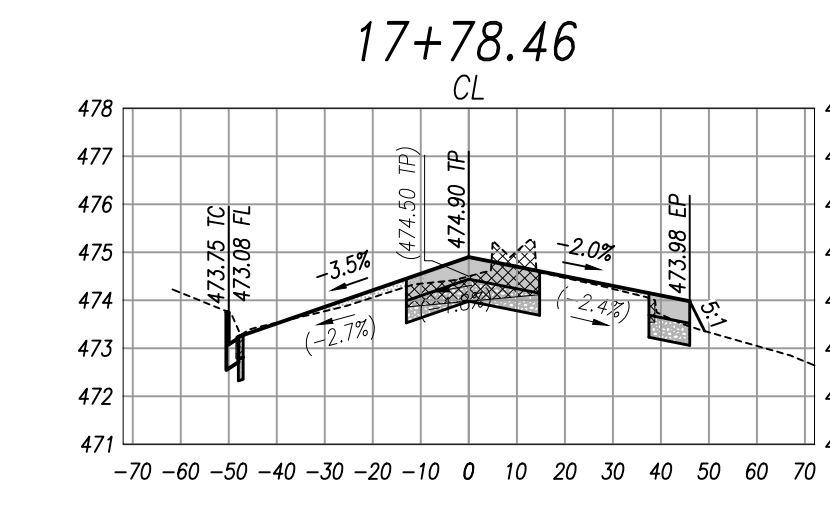
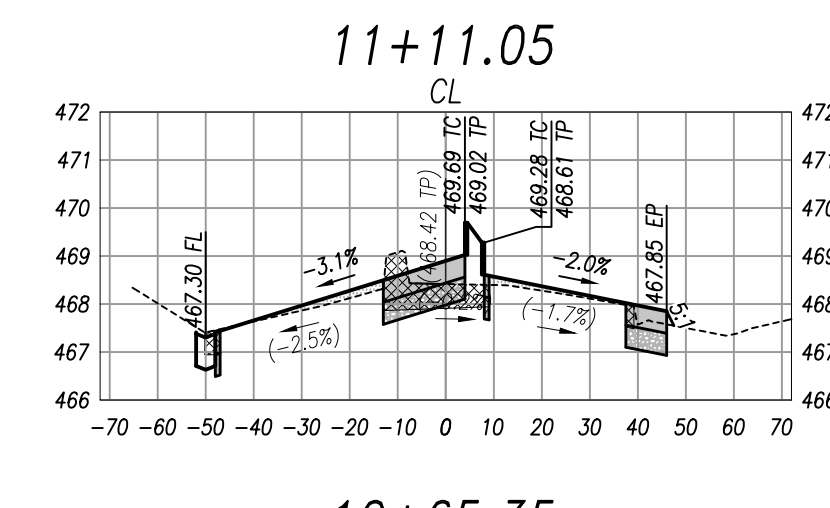
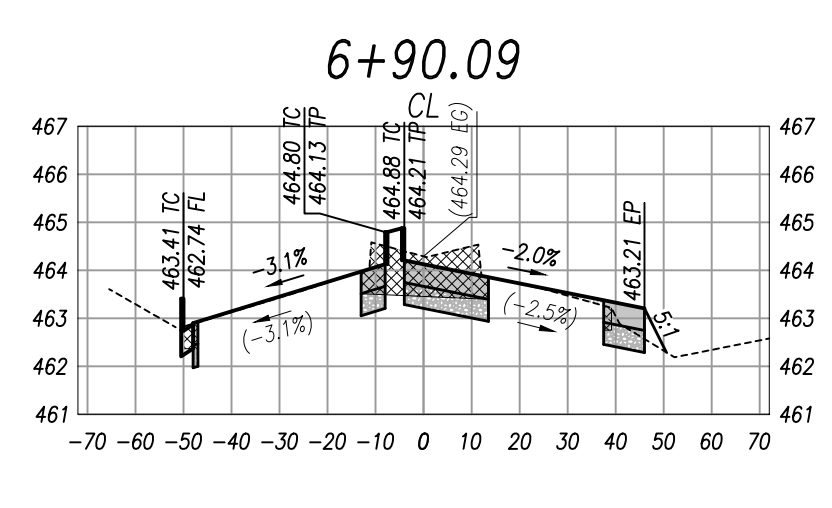
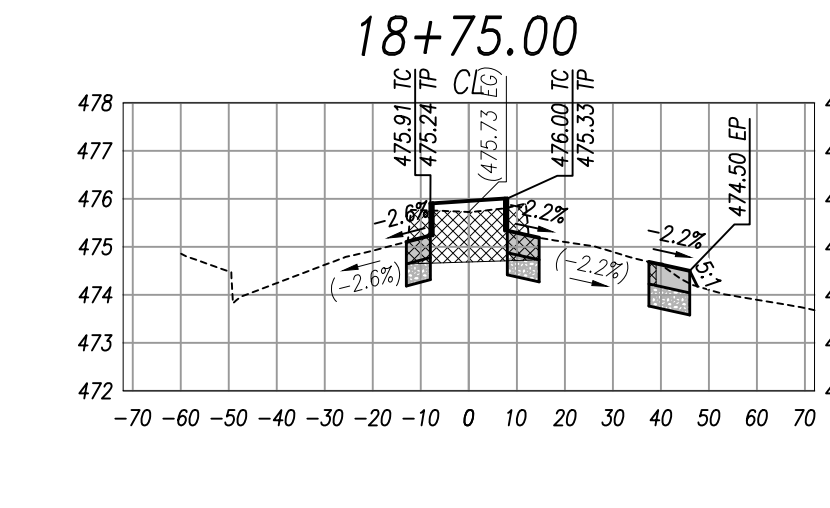
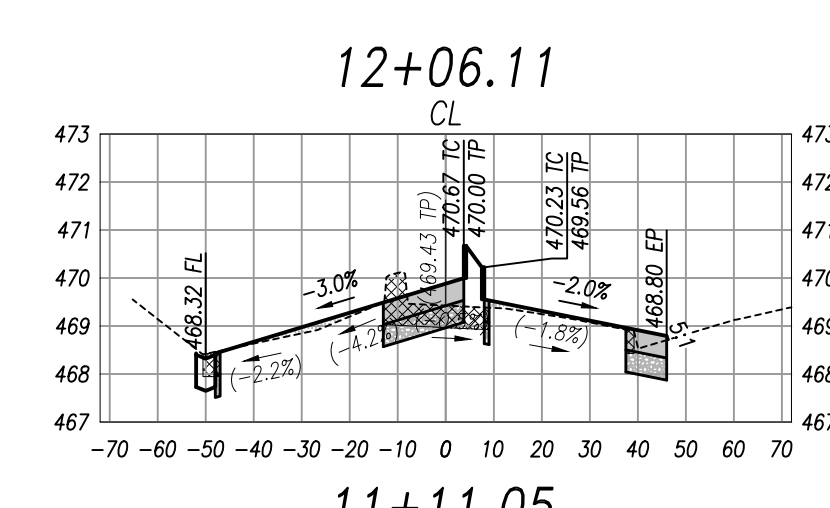
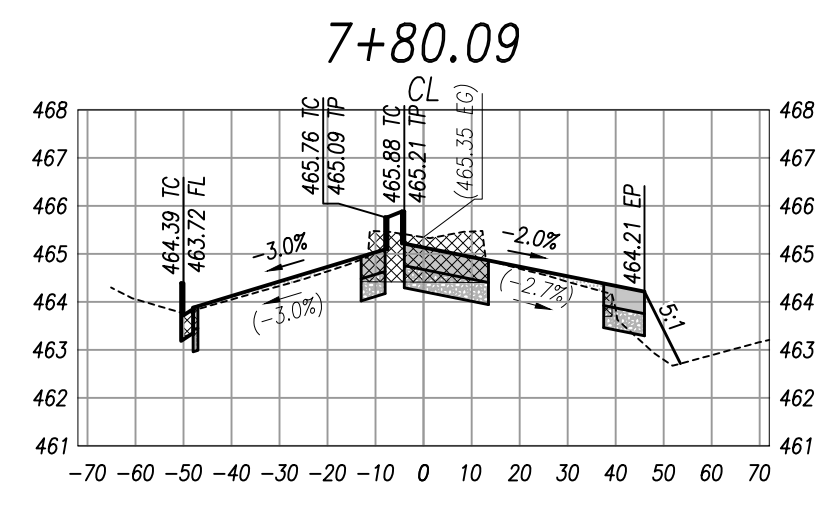
APPROVED FOR CONSTRUCTION:
ANDREW R. SIMMONS, R.C.E. NO. 72868
DATE: 01/11/2024

DESIGNED BY: RKF
DRAFTED BY: JG
CHECKED BY: RKF
BENCHMARK: SEE ABOVE

In the City of Coachella
Street Improvement Plan
Portion of Dillon Road
Dillon Road, Coachella, CA. 92236
FOR 29 Palms Band of Mission Indians

SHEET NO. 8
OF 22 SHTS.
DWG NO. 156L3s101
JOB NO. 156L-003
LAYOUT: ST08

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DILLON ROAD - CROSS SECTIONS
(PUBLIC STREET)

X-SECTION SCALES:
1" = 4' VERTICAL
1" = 40' HORIZONTAL



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DATE	BY	MARK	REVISIONS	APPR. DATE	CITY
DESIGNED BY	DRAWN BY	CHECKED BY			



DESIGNED BY
RK Feiro
Ronald K. Feiro
President
R.C.E. No. 52260

1-8-24
DATE

FEIRO ENGINEERING
P.O. BOX 12980
PALM DESERT, CA 92255
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CITY OF COACHELLA
RECOMMENDED FOR APPROVAL:
Steven Nix
TKE ENGINEERING
DATE 01/09/24

APPROVED FOR CONSTRUCTION:
ANDREW R. SIMMONS, R.C.E. No. 72868
DATE 01/11/2024

DESIGNED BY:
RKF

DRAFTED BY:
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RKF

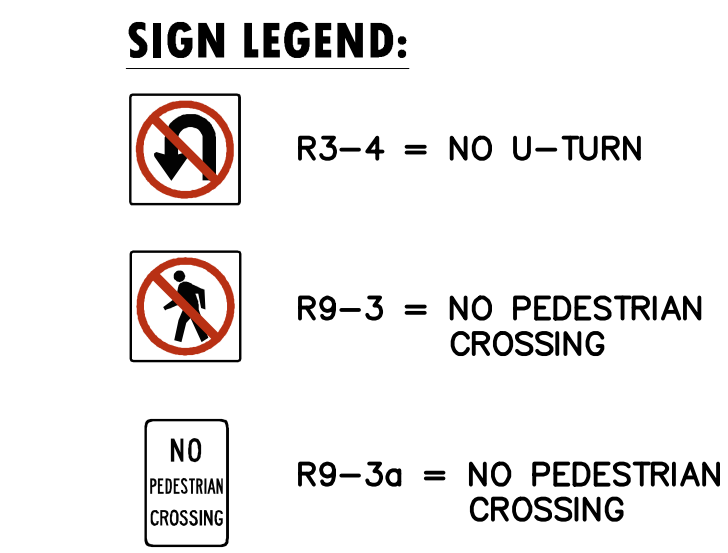
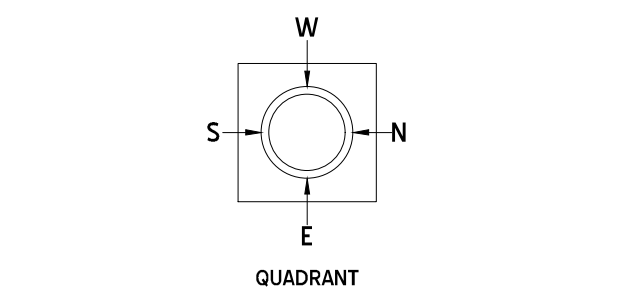
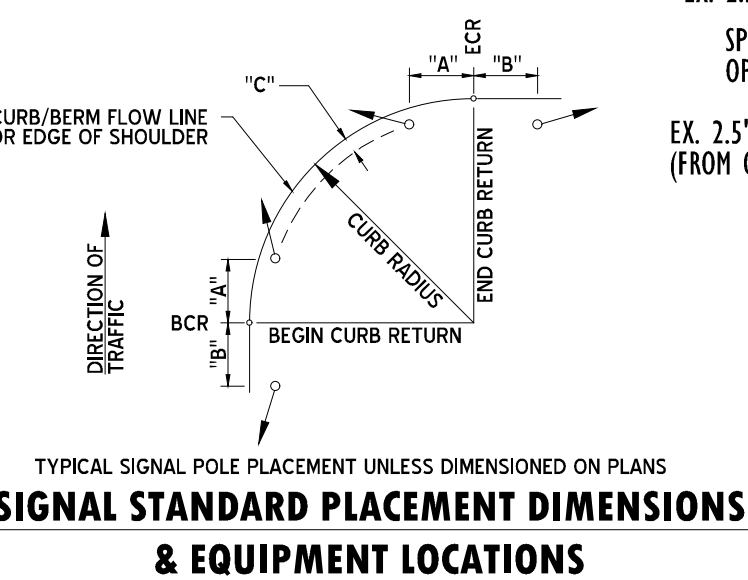
BENCHMARK:
SEE ABOVE

In the City of Coachella
Street Improvement Plan
Portion of Dillon Road
Dillon Road, Coachella, CA. 92236
FOR 29 Palms Band of Mission Indians

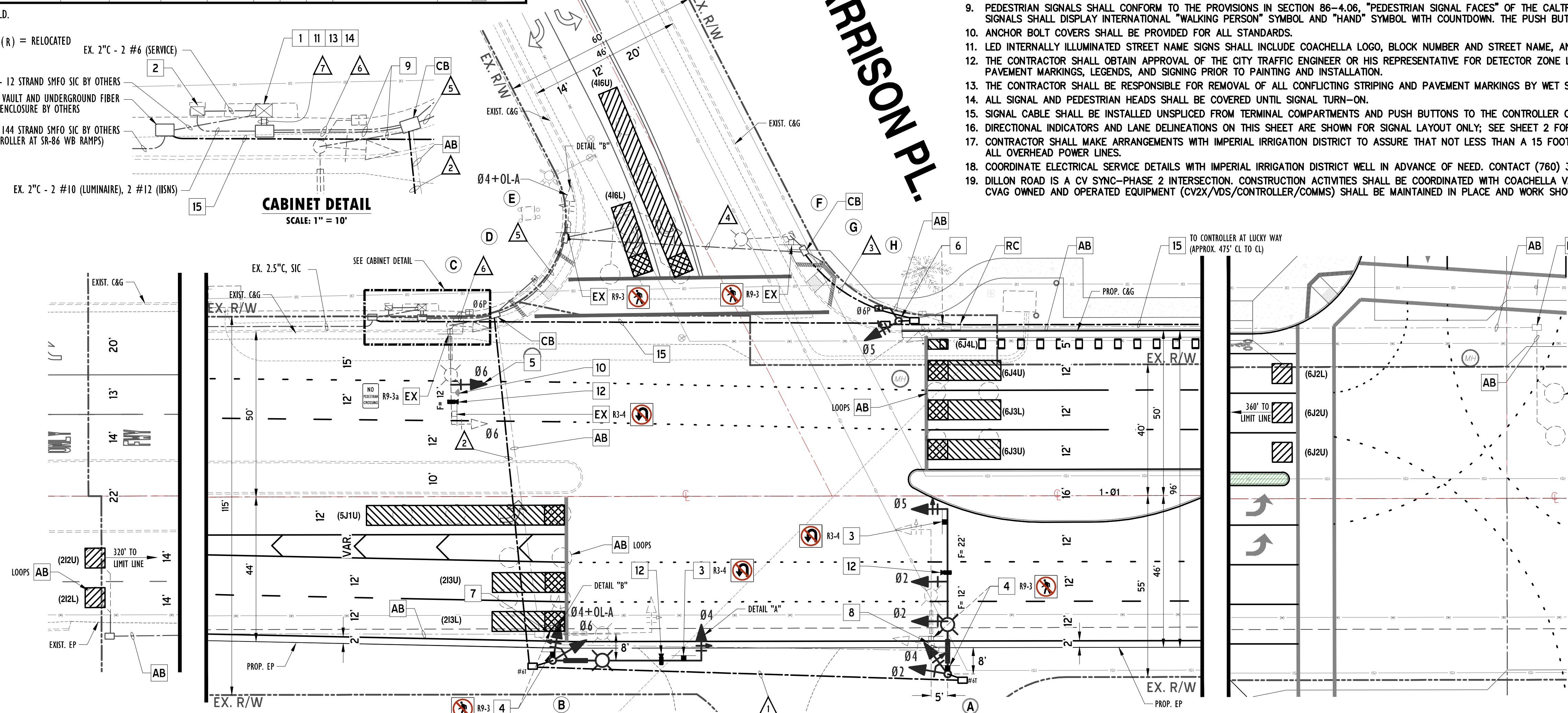
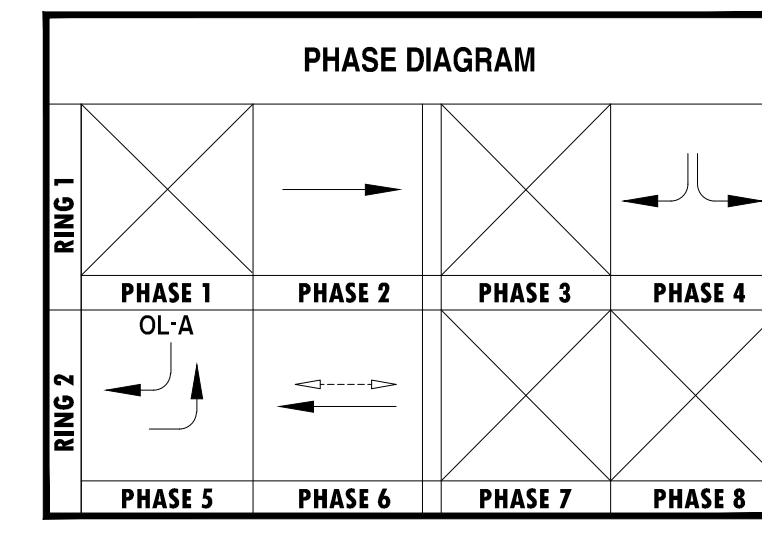
SHEET NO.
9
OF 22 SHTS.
DWG NO.
156L3st101
JOB NO.
156L-003
LAYOUT:
ST09

POLE SCHEDULE														
POLE DATA				LUMINAIRE		SIGNAL MOUNTING		PED. PUSH BUTTON		POLE LOCATION			REMARKS	
NO.	TYPE	HEIGHT	SIG. M.A.	LUM. M.A.	HPSV	VEHICLE	MAST ARM	PEDESTRIAN	PHASE	QUAD.	A	B	C	I.I.S.N.S.
A	29-5-100	30'	50'	15'	160W	SV-2-TA	3 MAS	-	-	-	ON PLAN	ON PLAN	-	HARRISON PL
B	26-4-100	30'	45'	15'	160W	SV-2-TA	1 MAS	-	-	-	ON PLAN	ON PLAN	-	DILLON RD
C	19-3-100	17'	30'	15'	200W	SV-1-T	2 MAS	SP-1-T	-	-	6.5'	2.5'	-	HARRISON PL
D	PPB POST	4.5'	-	-	-	-	-	-	6	5	19.5'	-	7.5'	-
E	1-A	10'	-	-	-	TV-1-T	-	-	-	-	15'	-	5'	-
F	1STS	30'	-	15'	200W	-	-	-	-	-	-	9'	2.5'	-
G	PPB POST	4.5'	-	-	-	-	-	-	6	5	2'	-	7.5'	-
H	1-A (R)	10' (R)	-	-	-	TV-1-T (R)	-	SP-1-T (R)	-	-	1'	-	3'	-

EXACT POLE LOCATIONS TO BE DETERMINED BY ENGINEER IN THE FIELD. POTHOLE POLE FOUNDATION LOCATIONS PRIOR TO ORDERING POLES. EQUIPMENT IS EXISTING UNLESS SPECIFIED OTHERWISE; (N) = NEW, (R) = RELOCATED. ■ NEW LUMINAIRES SHALL BE L.E.D. ● INSTALL NEW I.I.S.N.S. SEE CONSTRUCTION NOTE 8.

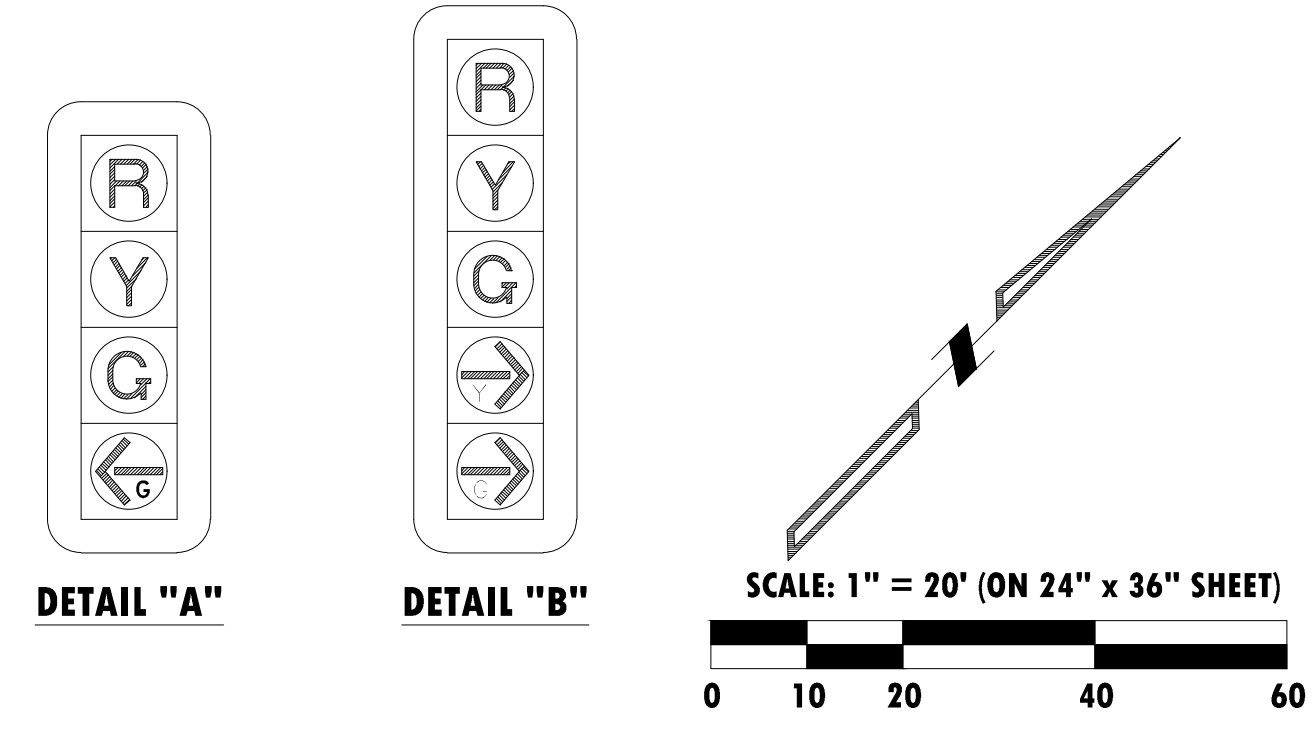


- TRAFFIC SIGNAL CONSTRUCTION NOTES:**
- UNLESS ALREADY COMPLETED AS PART OF CV SYNC PHASE 2 PROJECT, REMOVE AND SALVAGE EXISTING TRAFFIC CONTROLLER ASSEMBLY TO CITY YARD. FURNISH AND INSTALL TYPE 2070 ATC CONTROLLER ASSEMBLY PER APPROVAL OF CVAG AND LOCAL AGENCIES, APPROVED ATC FIRMWARE, AND CONFIGURE INTERSECTION FOR THE INTENDED OPERATION. CONFIGURE ATC CONTROLLER AND ATSPM'S ONTO TRAFFIC NETWORK COMPLETE. FURNISH AND INSTALL 12 PORT FIBER PATCH PANEL COMPLETE (RACK/SHELF MOUNT), CONNECT PATCH CABLES AND PROVIDE TWO-WAY DATA TRANSMISSION TO LOCAL TOC.
 - EXISTING 120/240 VOLT DUAL METER TYPE III-CF SERVICE EQUIPMENT ENCLOSURE WITH PROVISIONS FOR 2 TYPE V PEC, INCLUDING CONTACTOR AND TEST SWITCH. BREAKERS ON SIGNAL METER SIDE INCLUDE 100A-2P (MAIN), 50A-1P (SIGNAL), 15A-1P (ISNS), 15A-1P (ISNS CONTROL) AND 15A-1P (SPARE). BREAKERS ON LIGHTING METER SIDE INCLUDE 100A-2P (MAIN), 30A-1P (LIGHTING), 15A-1P (LIGHTING CONTROL) AND 15A-1P (SPARE). PROTECT IN PLACE.
 - FURNISH AND INSTALL SIGN ON SIGNAL MAST ARM PER CALTRANS STANDARD PLAN ES-7N, DETAIL "U".
 - REMOVE EXISTING SIGN AND INSTALL ON NEW SIGNAL STANDARD PER CALTRANS STANDARD PLAN RS-4.
 - UNCAP EXISTING TENON. FURNISH AND INSTALL NEW SIGNAL HEAD FOR PHASE 6.
 - RELOCATE EXISTING TYPE 1-A POLE (POLE H). REMOVE COMPLETE EXISTING FOUNDATION AND ADJACENT PULL BOX.
 - REMOVE AND SALVAGE EXISTING TYPE 19-3-100 SIGNAL POLE AND MAST ARM. REMOVE COMPLETE EXISTING FOUNDATION AND ADJACENT PULL BOX. REMOVE EXISTING ISNS AND INSTALL ON NEW POLE B MAST ARM.
 - REMOVE AND SALVAGE EXISTING TYPE 24-4-100 SIGNAL POLE AND MAST ARM. REMOVE COMPLETE EXISTING FOUNDATION AND ADJACENT PULL BOX. REMOVE AND SALVAGE EXISTING RSNS. FURNISH AND INSTALL A NEW ISNS AND MOUNT ON NEW POLE A MAST ARM.
 - UNLESS ALREADY COMPLETED AS PART OF CV SYNC PHASE 2 PROJECT, FURNISH AND INSTALL OUTDOOR RATED CATEGORY 6 DATA+POWER CABLE IN EXISTING CONDUIT FROM BLUETOOTH/W-FI ASSEMBLY TO CONTROLLER CABINET, NO SPLICES ALLOWED. SEE CONDUCTOR SCHEDULE.



- GENERAL TRAFFIC SIGNAL NOTES:**
- TRAFFIC SIGNAL AND LIGHTING SHALL CONFORM TO STATE OF CALIFORNIA STANDARD SPECIFICATIONS SECTION 86 AND STANDARD PLANS (LATEST EDITION); AND CITY OF COACHELLA STANDARD SPECIAL PROVISIONS, LATEST EDITION.
 - LOCATION OF ALL UNDERGROUND UTILITIES ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS AND VERIFY ALL CONDITIONS ON THE JOB SITE. HAND DIG FOUNDATIONS UNTIL CLEAR OF OBSTRUCTIONS. PHONE UNDERGROUND SERVICE ALERT AT (800) 422-4233 PRIOR TO CONSTRUCTION. POTHOLES REQUIRED FOR UTILITIES SHOWN OR NOT SHOWN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND COST FOR SAME SHALL BE INCLUDED IN THE CONTRACT BID PRICE.
 - CONTRACTOR SHALL OBTAIN THE APPROVAL OF EXACT EQUIPMENT LOCATIONS PRIOR TO FINAL PLACEMENT.
 - CONTRACTOR SHALL PROVIDE ALL CABLING AND CONDUCTORS NECESSARY TO PERFORM ALL FUNCTIONS SHOWN ON THESE PLANS.
 - PROVIDE 4' MINIMUM CLEAR WIDTH IN SIDEWALK AROUND POLE FOR ADA ACCESS.
 - INSTALL PULL BOXES AT 200' MAXIMUM SPACING AND AT DRIVEWAY CURB RETURNS. ALL NEW PULL BOX COVERS SHALL BE CONCRETE UNLESS OTHERWISE SHOWN. PULL BOX COVERS SHALL BE MARKED WITH "TRAFFIC SIGNAL". ALL PULL BOXES SHALL BE NO. 6, WITH EXTENSION, AND CONDUIT 2" SCHEDULE 80 PVC EXCEPT AS SHOWN. INSTALL BELL RING TYPE BUSHINGS ON ALL PVC CONDUIT. INSTALL PULL BOXES PER CALTRANS STANDARD ES-7B. ANY PULL BOX COVERS WITH COMMUNICATIONS SHALL BE LABELED CONSISTENT WITH THE CVAG REGIONAL SPECIFICATION.
 - ALL NEW CONDUIT SHALL BE TYPE 3, SCHEDULE 80 PVC.
 - ALL SIGNAL HEADS SHALL BE 12" IN DIAMETER WITH LOUVERED BACKPLATES. ALL RED, GREEN, AND YELLOW AND PEDESTRIAN SIGNAL INDICATIONS SHALL BE TYPE 1 L.E.D. SECTIONS, WITH FULL CIRCLE VISORS. ALL BACKPLATES AND VISORS SHALL BE METAL.
 - PEDESTRIAN SIGNALS SHALL CONFORM TO THE PROVISIONS IN SECTION 86-4.06, "PEDESTRIAN SIGNAL FACES" OF THE CALTRANS STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS. ALL PEDESTRIAN SIGNALS SHALL DISPLAY INTERNATIONAL "WALKING PERSON" SYMBOL AND "HAND" SYMBOL WITH COUNTDOWN. THE PUSH BUTTONS SHALL BE TYPE B PUSH BUTTON PER STANDARD PLAN ES-5C.
 - ANCHOR BOLT COVERS SHALL BE PROVIDED FOR ALL STANDARDS.
 - LED INTERNALLY ILLUMINATED STREET NAME SIGNS SHALL INCLUDE COACHELLA LOGO, BLOCK NUMBER AND STREET NAME, AND SUBMITTED TO CITY ENGINEER FOR APPROVAL, PRIOR TO FABRICATION.
 - THE CONTRACTOR SHALL OBTAIN APPROVAL OF THE CITY TRAFFIC ENGINEER OR HIS REPRESENTATIVE FOR DETECTOR ZONE LOCATIONS PRIOR TO SIGNAL OPERATION AND FOR THE LOCATIONS OF STRIPING, PAVEMENT MARKINGS, LEGENDS, AND SIGNING PRIOR TO PAINTING AND INSTALLATION.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL CONFLICTING STRIPING AND PAVEMENT MARKINGS BY WET SANDBLASTING.
 - ALL SIGNAL AND PEDESTRIAN HEADS SHALL BE COVERED UNTIL SIGNAL TURN-ON.
 - SIGNAL CABLE SHALL BE INSTALLED UNSPLICED FROM TERMINAL COMPARTMENTS AND PUSH BUTTONS TO THE CONTROLLER CABINET.
 - DIRECTIONAL INDICATORS AND LANE DELINEATIONS ON THIS SHEET ARE SHOWN FOR SIGNAL LAYOUT ONLY; SEE SHEET 2 FOR LANE STRIPING, WIDTHS AND PAVEMENT MARKINGS.
 - CONTRACTOR SHALL MAKE ARRANGEMENTS WITH IMPERIAL IRRIGATION DISTRICT TO ASSURE THAT NOT LESS THAN A 15 FOOT CLEARANCE IS PROVIDED BETWEEN SIGNAL EQUIPMENT OR ELECTROLIERS, AND ALL OVERHEAD POWER LINES.
 - COORDINATE ELECTRICAL SERVICE DETAILS WITH IMPERIAL IRRIGATION DISTRICT WELL IN ADVANCE OF NEED. CONTACT (760) 398-5871.
 - DILLON ROAD IS A CV SYNC-PHASE 2 INTERSECTION. CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH COACHELLA VALLEY ASSOCIATION OF GOVERNMENTS (CVAG) AND THROUGH THE RTMC. ALL CVAG OWNED AND OPERATED EQUIPMENT (CV2X/VDS/CONTROLLER/COMMS) SHALL BE MAINTAINED IN PLACE AND WORK SHOULD BE COORDINATED WITH CVAG.

DILLON RD. (55 MPH)



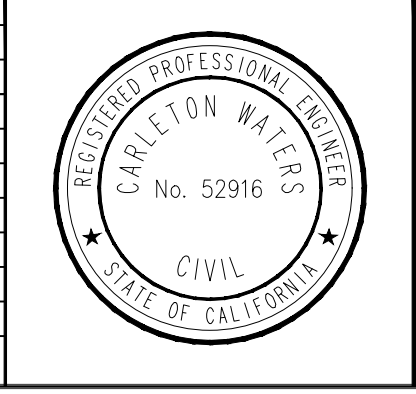
		CONDUCTOR SCHEDULE						
AWG SIZE OR CABLE TYPE	POLE OR CIRCUIT	(N)	(N)	(N)	EX.	EX.	EX.	EX.
		1	2	3	4	5	6	7
12 CONDUCTOR	POLE-A	2	2	-	-	-	2	2
	B	-	-	-	-	-	1	1
	C	-	-	-	-	-	1	1
	D	-	-	-	-	-	1	1
	E	-	-	-	-	-	1	1
	F	-	-	-	-	-	1	1
	G	-	-	-	-	-	1	1
	H	-	-	-	-	-	1	1
CONDUCTOR TOTAL		2	2	1	1	1	6	6
#12	I.I.S.N.S.	2	2	-	-	-	4	-
#10	LUMINAIRES	2	2	-	2	2	4	-
#8	GROUND	1	1	1	1	1	1	1
#6	GROUND	-	-	-	-	-	-	1
VIDEO (COAX)		1	2	-	-	-	3	3
3 #16	CAMERA POWER CABLE	1	2	-	-	-	3	3
CAT 6 (SEE CONST. NOTE 9)		-	-	-	-	-	1	1
CONDUIT SIZE		4"	4"	3"	3"	3"	2-3"	2-3"
% FILLS		7	11	5	7	11	19	18

ALL CABLES, CONDUCTORS, AND CONDUIT ARE EXISTING UNLESS NOTED OTHERWISE.
(N) = NEW, EX. = EXISTING

NOTE: THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.



DATE	BY	MARK	APPR. DATE
	ENGINEER		CITY
	DESIGNED BY	REVISIONS	CHECKED BY
	DRAWN BY		



DESIGNED BY
CARLETON WATERS
R.C.E. No. 52916

DATE

DATE

URBAN CROSSROADS
www.urbanroads.com
TELEPHONE: 949-660-1994



CITY OF COACHELLA

RECOMMENDED FOR APPROVAL:
Steven Nix
TKE ENGINEERING 01/09/24 DATE

APPROVED FOR CONSTRUCTION:
ANDREW R. SIMMONS, R.C.E. NO. 72868 01/11/2024 DATE

DESIGNED BY: DG
DRAFTED BY: DG
CHECKED BY: CW
BENCHMARK: SEE TITLE SHEET

In the City of Coachella
Traffic Signal Modification Plan
Dillon Road and Harrison Place

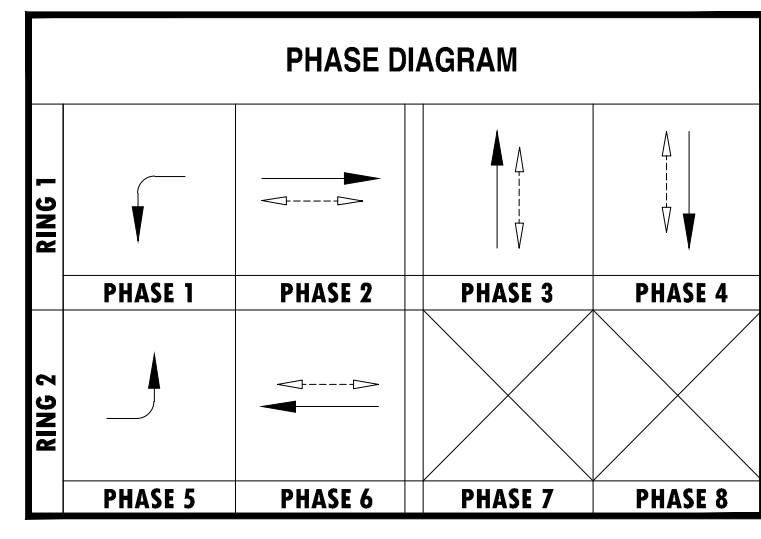
FOR 29 Palms Band of Mission Indians

SHEET NO. 10 OF 21 SHEETS.
DWG NO. 156L3s101
JOB NO. 156L-003
LAYOUT: 5101

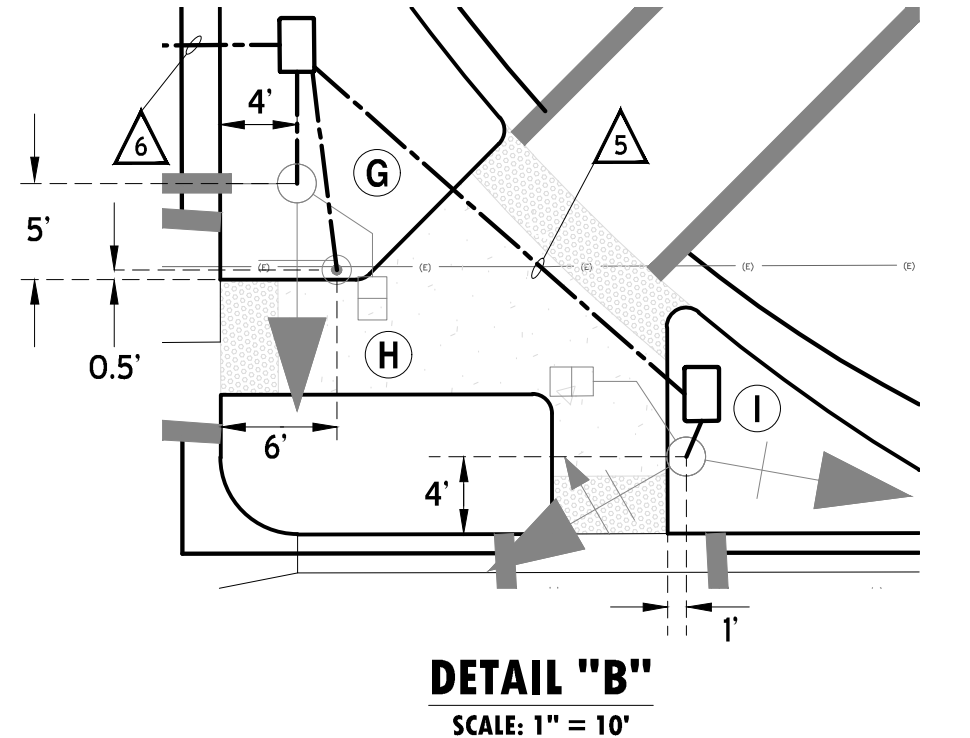
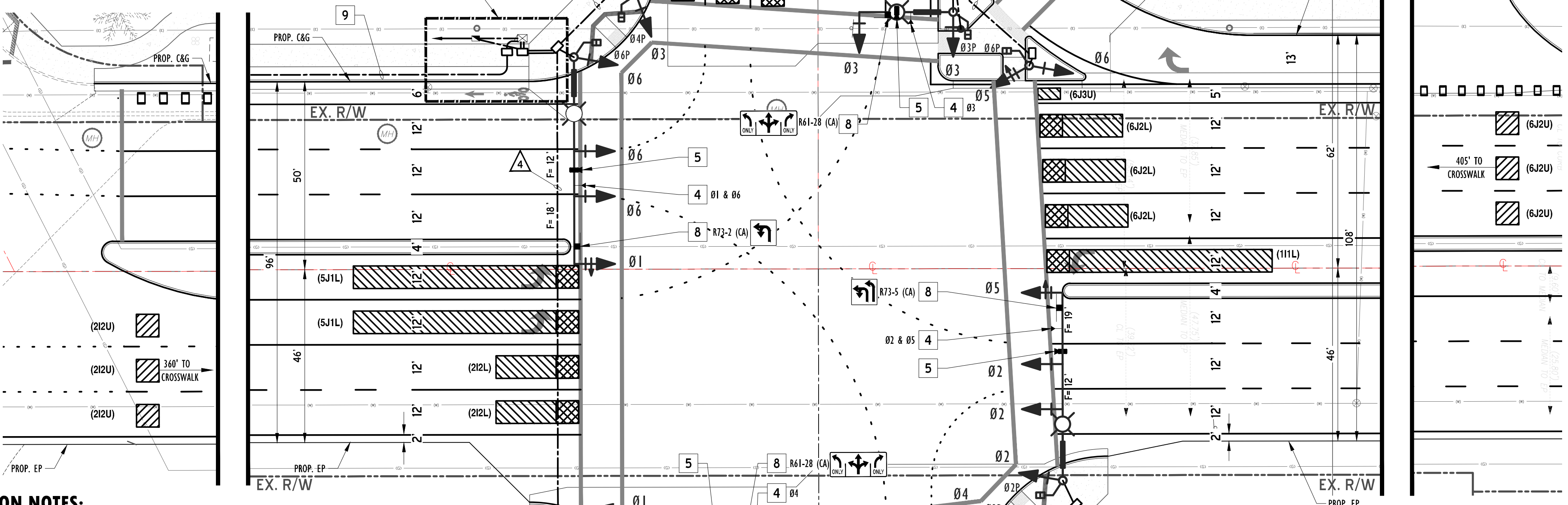
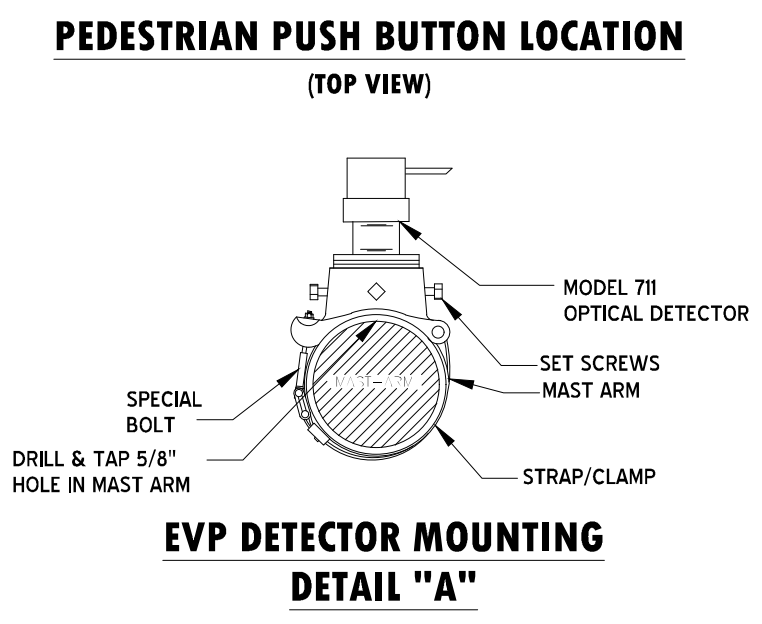
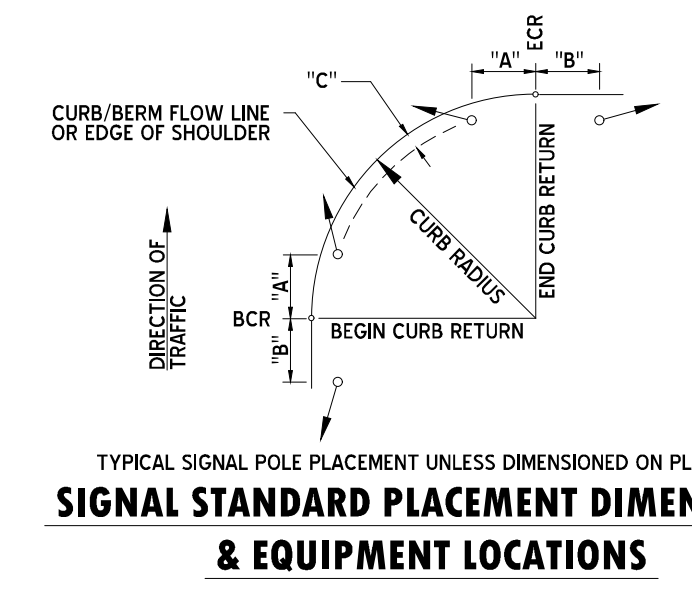
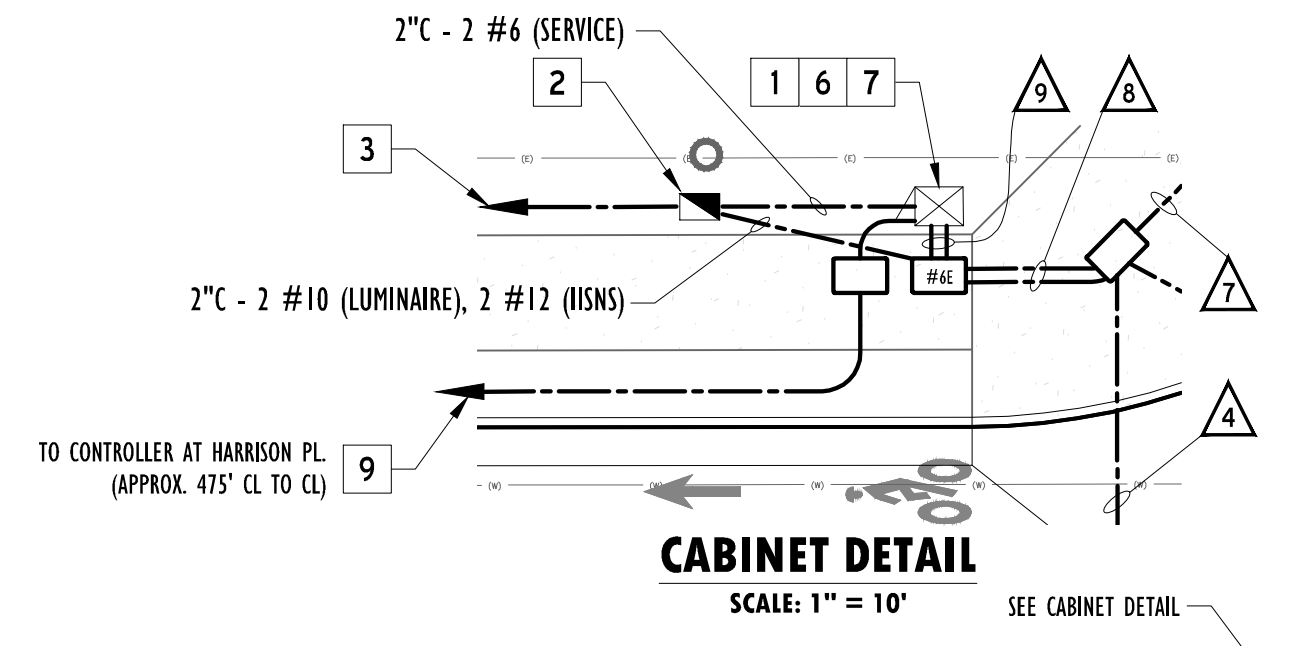
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POLE SCHEDULE														
NO.	TYPE	HEIGHT	SIG. M.A.	LUM. M.A.	L.E.D.	VEHICLE	MAST ARM	PEDESTRIAN	PHASE	QUAD.	A	B	C	REMARKS
A	29-5-100	30'	50'	15'	133W	SV-I-T	3 MAS	SP-I-T	3	S	12'	-	4'	LUCKY WAY F = 19', F = 12'
B	I-A	10'	-	-	-	TV-I-T	-	SP-I-T	2	W	10'	-	4'	-
C	24-4-100	30'	35'	15'	133W	SV-I-T	2 MAS	SP-I-T	2	W	12'	-	4'	DILLON ROAD F = 17'
D	I-A	10'	-	-	-	TV-2-T	-	SP-I-T	4	N	12'	-	4'	-
E	29-5-100	30'	55'	15'	133W	SV-I-T	3 MAS	SP-I-T	4	N	12'	-	4'	LUCKY WAY F = 18', F = 12'
F	I-A	10'	-	-	-	TV-2-T	-	SP-I-T	6	E	12'	-	4'	-
G	19-4-100	30'	25'	15'	133W	SV-I-T	1 MAS	SP-I-T	-	-	DETAIL	-	DETAIL	DILLON ROAD
H	PPB POST	4.5'	-	-	-	-	-	-	6	E	DETAIL	-	DETAIL	-
I	I-A	10'	-	-	-	TV-2-T	-	SP-I-T	3	S	DETAIL	-	DETAIL	-

EXACT POLE LOCATIONS TO BE DETERMINED BY ENGINEER IN THE FIELD. ALL EQUIPMENT SHALL BE NEW.
* POTHOLING REQUIRED PRIOR TO POLE ORDER



LUCKY WY.



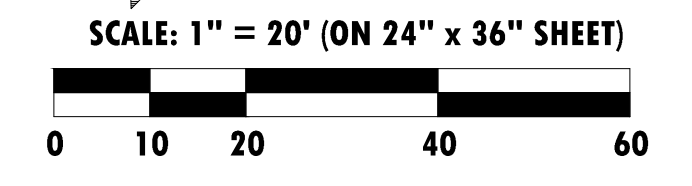
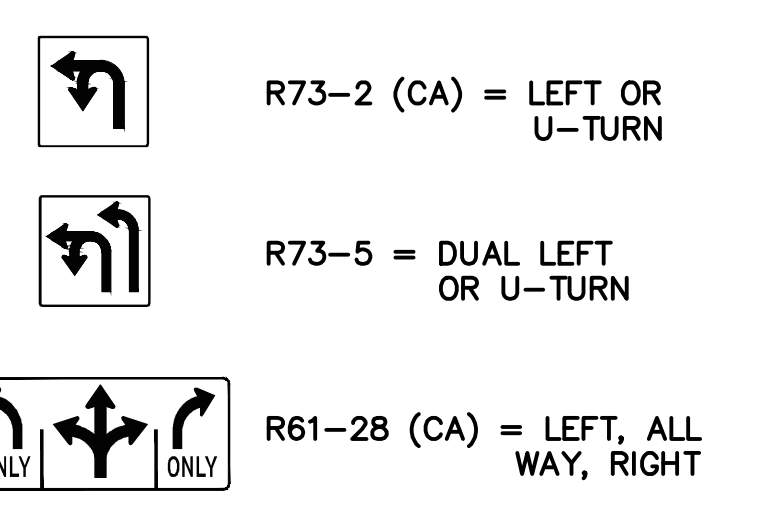
GENERAL TRAFFIC SIGNAL NOTES:

- TRAFFIC SIGNAL AND LIGHTING SHALL CONFORM TO STATE OF CALIFORNIA STANDARD SPECIFICATIONS SECTION 86 AND STANDARD PLANS (LATEST EDITION); AND CITY OF COACHELLA STANDARD SPECIAL PROVISIONS, LATEST EDITION.
- LOCATION OF ALL UNDERGROUND UTILITIES ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS AND VERIFY ALL CONDITIONS ON THE JOB SITE. HAND DIG FOUNDATIONS UNTIL CLEAR OF OBSTRUCTIONS. PHONE UNDERGROUND SERVICE ALERT AT (800) 422-4233 PRIOR TO CONSTRUCTION. POTHOLING REQUIRED FOR UTILITIES SHOWN OR NOT SHOWN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND COST FOR SAME SHALL BE INCLUDED IN THE CONTRACT BID PRICE.
- CONTRACTOR SHALL OBTAIN THE APPROVAL OF EXACT EQUIPMENT LOCATIONS PRIOR TO FINAL PLACEMENT.
- CONTRACTOR SHALL PROVIDE ALL CABLING AND CONDUCTORS NECESSARY TO PERFORM ALL FUNCTIONS SHOWN ON THESE PLANS.
- PROVIDE 4' MINIMUM CLEAR WIDTH IN SIDEWALK AROUND POLE FOR ADA ACCESS.
- INSTALL PULL BOXES AT 200' MAXIMUM SPACING AND AT DRIVEWAY CURB RETURNS. ALL NEW PULL BOX COVERS SHALL BE CONCRETE UNLESS OTHERWISE SHOWN. PULL BOX COVERS SHALL BE MARKED WITH "TRAFFIC SIGNAL". ALL PULL BOXES SHALL BE NO. 6, WITH EXTENSION, AND CONDUIT 2" SCHEDULE 80 PVC EXCEPT AS SHOWN. INSTALL BELL RING TYPE BUSHINGS ON ALL PVC CONDUIT. INSTALL PULL BOXES PER CALTRANS STANDARD ES-7B. ANY PULL BOX COVERS WITH COMMUNICATIONS SHALL BE LABELED CONSISTENT WITH THE CVAG REGIONAL SPECIFICATION.
- ALL NEW CONDUIT SHALL BE TYPE 3, SCHEDULE 80 PVC.
- ALL SIGNAL HEADS SHALL BE 12" IN DIAMETER WITH LOUVERED BACKPLATES. ALL RED, GREEN, AND YELLOW AND PEDESTRIAN SIGNAL INDICATIONS SHALL BE TYPE 1 L.E.D. SECTIONS, WITH FULL CIRCLE VISORS. ALL BACKPLATES AND VISORS SHALL BE METAL.
- PEDESTRIAN SIGNALS SHALL CONFORM TO THE PROVISIONS IN SECTION 86-4.06, "PEDESTRIAN SIGNAL FACES" OF THE CALTRANS STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS. ALL PEDESTRIAN SIGNALS SHALL DISPLAY INTERNATIONAL "WALKING PERSON" SYMBOL AND "HAND" SYMBOL WITH COUNTDOWN. THE PUSH BUTTONS SHALL BE TYPE B PUSH BUTTON PER STANDARD PLAN ES-5C.
- ANCHOR BOLT COVERS SHALL BE PROVIDED FOR ALL STANDARDS.
- LED INTERNALLY ILLUMINATED STREET NAME SIGNS SHALL INCLUDE COACHELLA LOGO, BLOCK NUMBER AND STREET NAME, AND SUBMITTED TO CITY ENGINEER FOR APPROVAL, PRIOR TO FABRICATION.
- THE CONTRACTOR SHALL OBTAIN APPROVAL OF THE CITY TRAFFIC ENGINEER OR HIS REPRESENTATIVE FOR DETECTOR ZONE LOCATIONS PRIOR TO SIGNAL OPERATION AND FOR THE LOCATIONS OF STRIPING, PAVEMENT MARKINGS, LEGENDS, AND SIGNING PRIOR TO PAINTING AND INSTALLATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL CONFLICTING STRIPING AND PAVEMENT MARKINGS BY WET SANDBLASTING.
- ALL SIGNAL AND PEDESTRIAN HEADS SHALL BE COVERED UNTIL SIGNAL TURN-ON.
- SIGNAL CABLE SHALL BE INSTALLED UNSPLICED FROM TERMINAL COMPARTMENTS AND PUSH BUTTONS TO THE CONTROLLER CABINET.
- DIRECTIONAL INDICATORS AND LANE DELINEATIONS ON THIS SHEET ARE SHOWN FOR SIGNAL LAYOUT ONLY; SEE SHEET 2 FOR LANE STRIPING, WIDTHS AND PAVEMENT MARKINGS.
- CONTRACTOR SHALL MAKE ARRANGEMENTS WITH IMPERIAL IRRIGATION DISTRICT TO ASSURE THAT NOT LESS THAN A 15 FOOT CLEARANCE IS PROVIDED BETWEEN SIGNAL EQUIPMENT OR ELECTROLIERS, AND ALL OVERHEAD POWER LINES.
- COORDINATE ELECTRICAL SERVICE DETAILS WITH IMPERIAL IRRIGATION DISTRICT WELL IN ADVANCE OF NEED. CONTACT (760) 398-5871.
- COORDINATE WITH RTMC (CVAG) FOR SIGNAL TURN-ON AND INSPECTION.

TRAFFIC SIGNAL CONSTRUCTION NOTES:

- FURNISH AND INSTALL TYPE 333L CONTROLLER CABINET ON NEW FOUNDATION WITH TYPE 2070 ATC CONTROLLER ASSEMBLY PER APPROVAL OF CVAG AND CITY OF COACHELLA, APPROVED ATC FIRMWARE, AND CONFIGURE INTERSECTION FOR THE INTENDED OPERATION. CONFIGURE ATC CONTROLLER AND ATSPM'S ONTO TRAFFIC NETWORK COMPLETE. CONNECT PATCH CABLES AND PROVIDE TWO-WAY DATA TRANSMISSION TO LOCAL TOC. FURNISH AND INSTALL RACK-MOUNT MALFUNCTION MONITORING UNIT (MMU) WITH ETHERNET PORT. FURNISH AND INSTALL RACK-MOUNT VIDEO DETECTION SYSTEM (VDS) AND INPUT CARDS. INSTALL APEX PLATFORM, VDS MODULES, LED MONITOR AND PATCH CABLES COMPLETE. CONFIGURE VIDEO+DATA SOURCE FOR REMOTE MONITORING AT THE LOCAL TOC.
- FURNISH AND INSTALL 120/240 VOLT DUAL METER TYPE III-CF SERVICE EQUIPMENT ENCLOSURE, INCLUDING DUAL TYPE V PEC. CONTRACTOR SHALL FURNISH ALL HARDWARE, SOFTWARE, TEST SWITCH, AND THE FOLLOWING CIRCUIT BREAKERS: 100 AMP 240V 2-POLE (MAIN); 50 AMP 120V 1-POLE (SIGNAL); 15 AMP 120V 1-POLE (ISNS CONTROL); 15 AMP 120V 1-POLE (VIDEO DETECTION) ON TC-1 METER; 15 AMP 120V 1-POLE (LIGHTING CONTROL); 30 AMP 120V 1-POLE (SIGNAL CIRCUITS) ON LS-3 METER. SIGNAL CIRCUITS SHALL BE 12V METERED; AND SAFETY LIGHTING CIRCUITS SHALL BE 120V UNMETERED.
- FURNISH AND INSTALL 3" CONDUIT WITH PULL-ROPE FROM SERVICE CABINET TO SERVICE POINT. AT LEAST 2 WEEKS ADVANCE NOTICE SHALL BE GIVEN TO IMPERIAL IRRIGATION DISTRICT.
- FURNISH AND INSTALL GTT OPTICOM MODEL 711 EMERGENCY VEHICLE DETECTOR (EVP) SYSTEM OR APPROVED EQUAL. THE SYSTEM SHALL BE INSTALLED PER THE MANUFACTURER'S SPECIFICATIONS AND CALTRANS STANDARD PLAN ES-4E. INSTALL DETECTOR ASSEMBLY ON SIGNAL HEAD MAST ARM AT LOCATIONS SHOWN ON PLANS BY > SYMBOL AND MOUNT PER DETAIL "A".
- FURNISH AND INSTALL ITRIS VANTAGE APEX VECTOR HYBRID VIDEO DETECTION CAMERA (RADAR/HD), CAMERA CABLE AND MOUNTING HARDWARE ON MAST ARM PER CALTRANS STANDARD PLAN ES-7R. DETECTION ZONES SHALL BE CONFIGURED TO DISCRIMINATE VEHICLE/BICYCLE DETECTION, TRAFFIC DATA COLLECTION AND ADVANCED DILEMMA ZONE DETECTION. EXACT LOCATION OF DETECTION ZONES SHALL BE MADE BY THE ENGINEER IN THE FIELD. FURNISH AND INSTALL YUNEX CV2X UNIT AND CCTV CAMERA PER CVAG STANDARD TO ALLOW FOR MONITORING AND MANAGEMENT OF SPECIAL EVENTS WITHIN THE TRAFFIC SIGNAL NETWORK.
- FURNISH AND INSTALL HIRSCHMANN BOBCAT HARDENED MANAGED ETHERNET EDGE SWITCH, SFP MODULES, POWER SUPPLY AND PATCH CORDS COMPLETE. FURNISH AND INSTALL 6 OUTLET POWER SUPPLY AND 1U RACK SHELF/DIN RAIL FOR NEW COMMUNICATION EQUIPMENT. SIGNAL SHALL BE NETWORKED WITH THE COACHELLA TOC AND THE RTMC AS WELL AS INTEGRATED WITH THE ATMS AND VARIOUS REGIONAL SYSTEMS.
- FURNISH AND INSTALL BATTERY BACK-UP SYSTEM (BBS) AND BATTERIES ON EXTERNAL SIDE-MOUNT CABINET. BBS SYSTEM SHALL BE CONFIGURED TO RUN ON RESERVE POWER FOR TWO-HOURS CONTINUOUS OPERATION.

SIGN LEGEND:



CONDUCTOR SCHEDULE										
AWG SIZE OR CABLE TYPE	POLE OR CIRCUIT	1	2	3	4	5	6	7	8	9
12 CONDUCTOR	POLE- A									
	B									
	C									
	D									
	E									
	F									
	G									
	H									
	I									
CONDUCTOR TOTAL		1	2	3	4	1	2	3	8	8
#12	I.I.S.N.S.	2	2	2	2	-	2	2	2	-
#10	LUMINAIRES	2	2	2	2	-	2	2	2	-
#8	GROUND	1	1	1	1	1	1	1	1	1
VIDEO (COAX)		1	1	2	2	-	1	1	4	4
3 #16 CAMERA POWER CABLE		1	1	2	2	-	1	1	4	4
EVP CABLE		1	1	2	2	-	1	1	4	4
CONDUIT SIZE		3"	4"	3"	4"	3"	4"	3"	2 - 4"	2 - 4"
% FILLS		11	9	25	17	6	9	21	17	16

ALL CONDUIT, CABLES AND CONDUCTORS SHALL BE NEW.

NOTE: THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY.



DATE	BY	MARK	REVISIONS	APPR. DATE
DESIGNED BY	DRAWN BY	CHECKED BY	CITY	



DESIGNED BY
CARLETON WATERS
R.C.E. No. 52916
DATE

URBAN CROSSROADS
www.urbanroads.com
TELEPHONE: 949-660-1994



CITY OF COACHELLA
RECOMMENDED FOR APPROVAL:
Steven Nix
TKE ENGINEERING
DATE: 01/09/24
APPROVED FOR CONSTRUCTION:
ANDREW R. SIMMONS, R.C.E. NO. 72868
DATE: 01/11/2024

DESIGNED BY: DG
DRAFTED BY: DG
CHECKED BY: CW
BENCHMARK: SEE TITLE SHEET

In the City of Coachella
Traffic Signal Plan
Dillon Road and Lucky Way
FOR 29 Palms Band of Mission Indians
SHEET NO. 11 OF 21 SHTS.
DWG NO. 156L3s101
JOB NO. 156L-003
LAYOUT: 5101

14-760-D:\blm\lrm\C2.dwg - 9/26/2023 - dgu.dwg

STRIPING CONSTRUCTION NOTES:

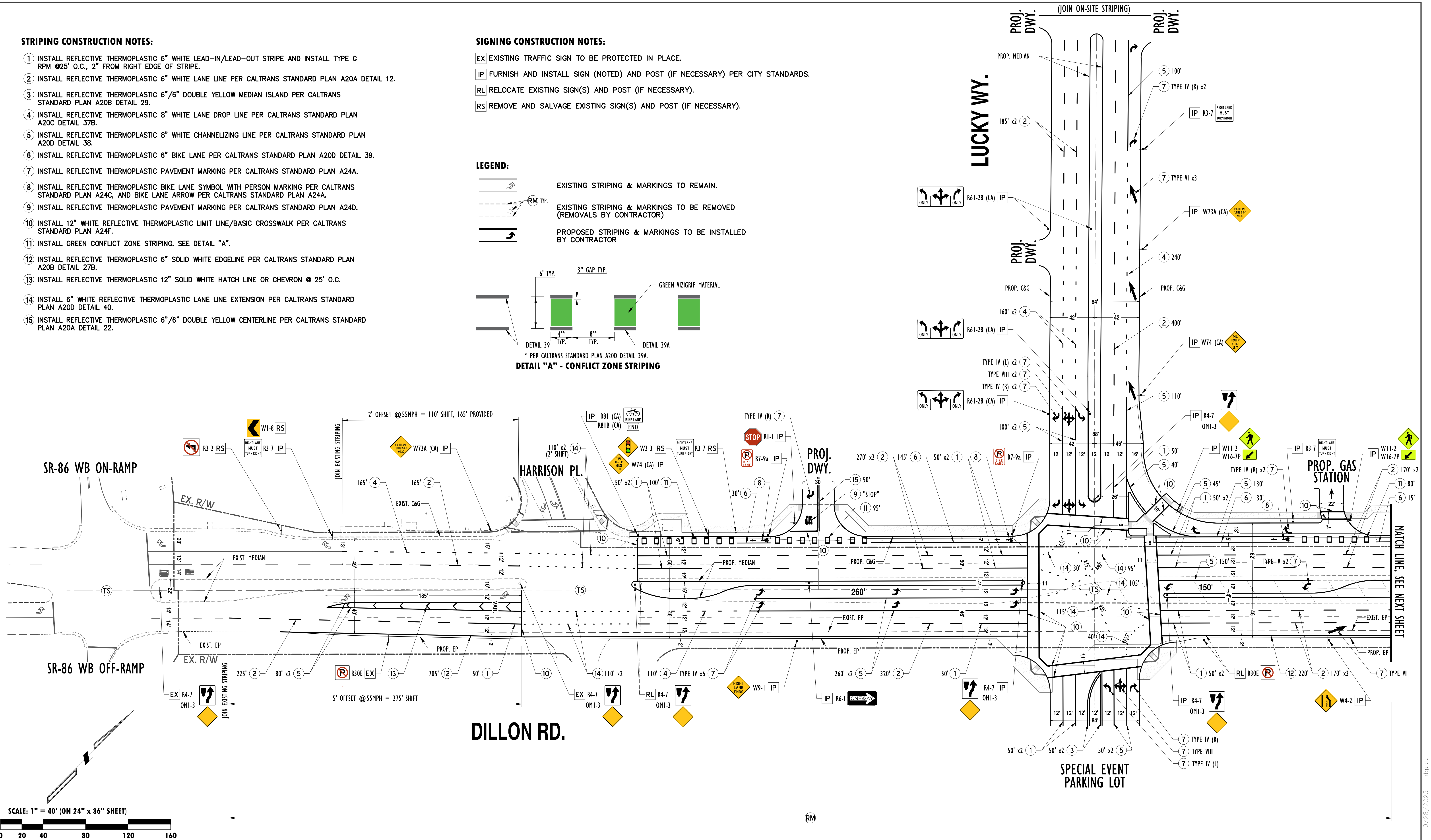
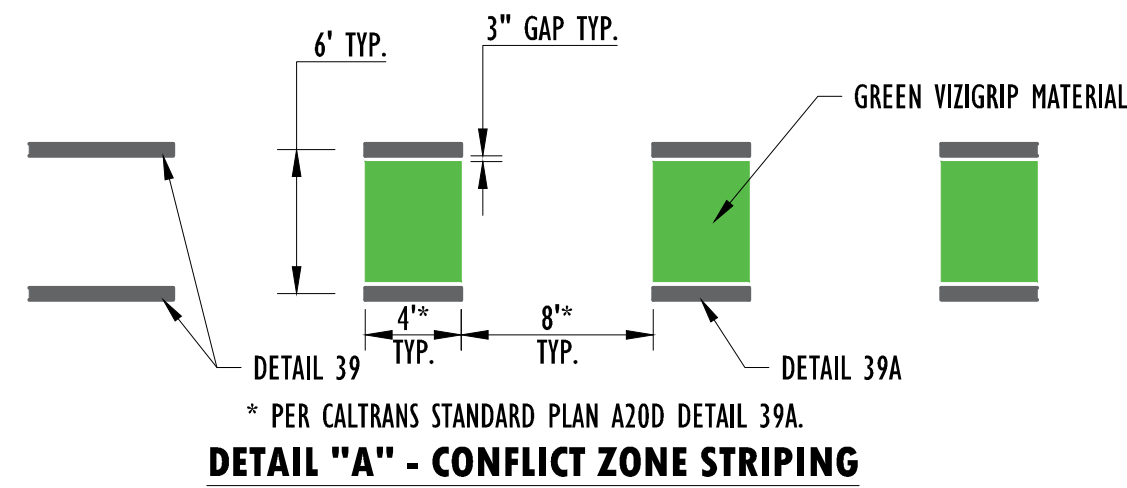
- 1 INSTALL REFLECTIVE THERMOPLASTIC 6" WHITE LEAD-IN/LEAD-OUT STRIPE AND INSTALL TYPE G RPM @25' O.C., 2" FROM RIGHT EDGE OF STRIPE.
- 2 INSTALL REFLECTIVE THERMOPLASTIC 6" WHITE LANE LINE PER CALTRANS STANDARD PLAN A20A DETAIL 12.
- 3 INSTALL REFLECTIVE THERMOPLASTIC 6"/6" DOUBLE YELLOW MEDIAN ISLAND PER CALTRANS STANDARD PLAN A20B DETAIL 29.
- 4 INSTALL REFLECTIVE THERMOPLASTIC 8" WHITE LANE DROP LINE PER CALTRANS STANDARD PLAN A20C DETAIL 37B.
- 5 INSTALL REFLECTIVE THERMOPLASTIC 8" WHITE CHANNELIZING LINE PER CALTRANS STANDARD PLAN A20D DETAIL 38.
- 6 INSTALL REFLECTIVE THERMOPLASTIC 6" BIKE LANE PER CALTRANS STANDARD PLAN A20D DETAIL 39.
- 7 INSTALL REFLECTIVE THERMOPLASTIC PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24A.
- 8 INSTALL REFLECTIVE THERMOPLASTIC BIKE LANE SYMBOL WITH PERSON MARKING PER CALTRANS STANDARD PLAN A24C, AND BIKE LANE ARROW PER CALTRANS STANDARD PLAN A24A.
- 9 INSTALL REFLECTIVE THERMOPLASTIC PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24D.
- 10 INSTALL 12" WHITE REFLECTIVE THERMOPLASTIC LIMIT LINE/BASIC CROSSWALK PER CALTRANS STANDARD PLAN A24F.
- 11 INSTALL GREEN CONFLICT ZONE STRIPING. SEE DETAIL "A".
- 12 INSTALL REFLECTIVE THERMOPLASTIC 6" SOLID WHITE EDGE LINE PER CALTRANS STANDARD PLAN A20B DETAIL 27B.
- 13 INSTALL REFLECTIVE THERMOPLASTIC 12" SOLID WHITE HATCH LINE OR CHEVRON @ 25' O.C.
- 14 INSTALL 6" WHITE REFLECTIVE THERMOPLASTIC LANE LINE EXTENSION PER CALTRANS STANDARD PLAN A20D DETAIL 40.
- 15 INSTALL REFLECTIVE THERMOPLASTIC 6"/6" DOUBLE YELLOW CENTERLINE PER CALTRANS STANDARD PLAN A20A DETAIL 22.

SIGNING CONSTRUCTION NOTES:

- EX EXISTING TRAFFIC SIGN TO BE PROTECTED IN PLACE.
- IP FURNISH AND INSTALL SIGN (NOTED) AND POST (IF NECESSARY) PER CITY STANDARDS.
- RL RELOCATE EXISTING SIGN(S) AND POST (IF NECESSARY).
- RS REMOVE AND SALVAGE EXISTING SIGN(S) AND POST (IF NECESSARY).

LEGEND:

- EXISTING STRIPING & MARKINGS TO REMAIN.
- EXISTING STRIPING & MARKINGS TO BE REMOVED (REMOVALS BY CONTRACTOR)
- PROPOSED STRIPING & MARKINGS TO BE INSTALLED BY CONTRACTOR



DATE	BY	MARK	APPR. DATE
ENGINEER	REVISIONS	CITY	
DESIGNED BY	DRAWN BY	CHECKED BY	

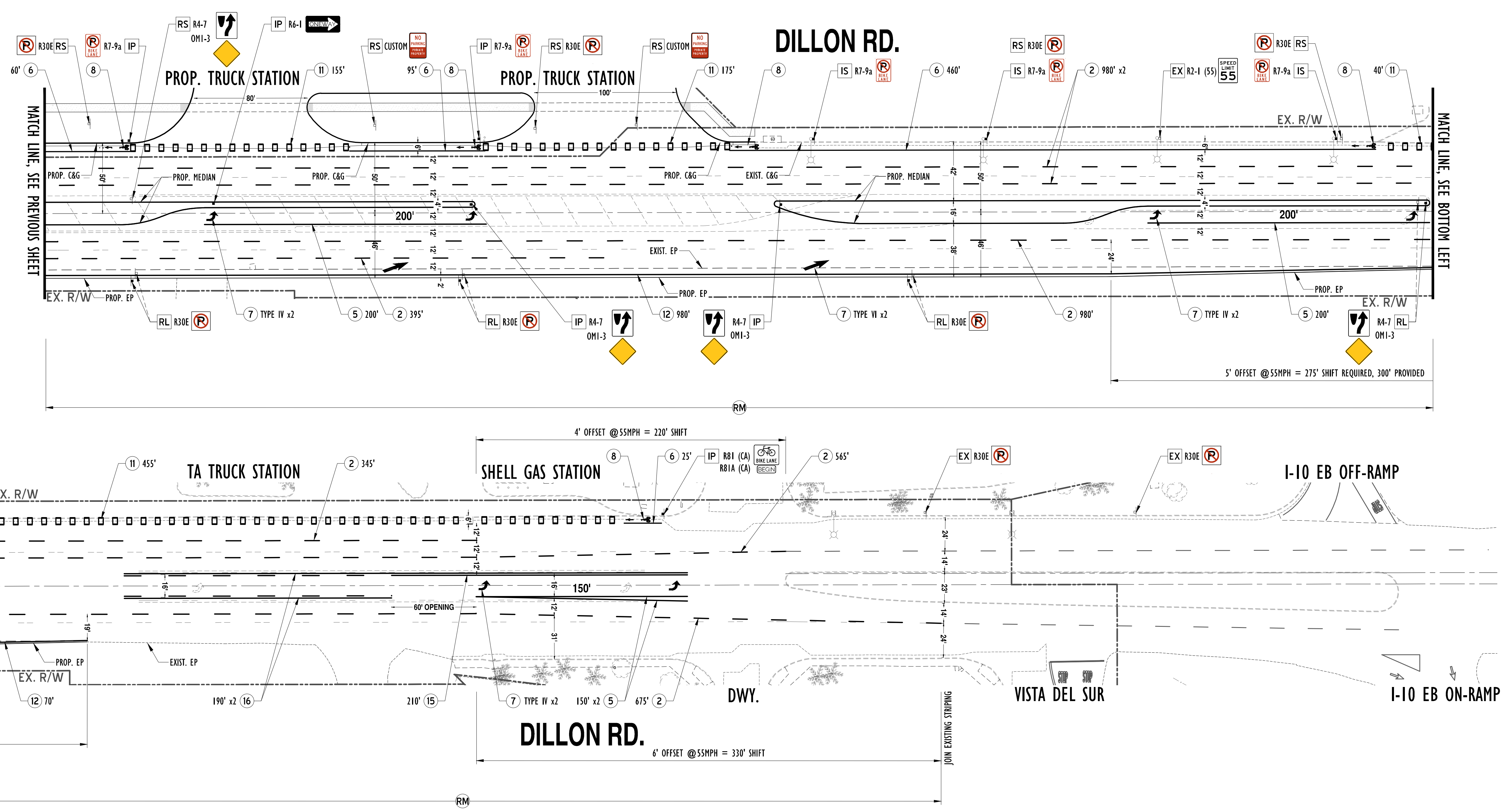
DESIGNED BY	DATE
CARLETON WATERS	
R.C.E. No. 52916	
URBAN CROSSROADS	
www.urbanXroads.com	
TELEPHONE: 949-660-1994	

CITY OF COACHELLA	
RECOMMENDED FOR APPROVAL:	DATE
<i>Steven Nip</i>	01/09/24
TKE ENGINEERING	
APPROVED FOR CONSTRUCTION:	DATE
ANDREW R. SIMMONS, R.C.E. NO. 72868	01/11/2024

DESIGNED BY:	DG
DRAFTED BY:	DG
CHECKED BY:	CW
BENCHMARK:	SEE TITLE SHEET

In the City of Coachella	
Signing & Striping Plan	
Dillon Road - Interim Conditions	
(N/O SR-86 WB Ramps to N/O Lucky Wwy)	
FOR 29 Palms Band of Mission Indians	

SHEET NO.	12
OF 21 SHEETS.	
DWG NO.	156L3s101
JOB NO.	156L-003
LAYOUT:	5101



STRIPING CONSTRUCTION NOTES:

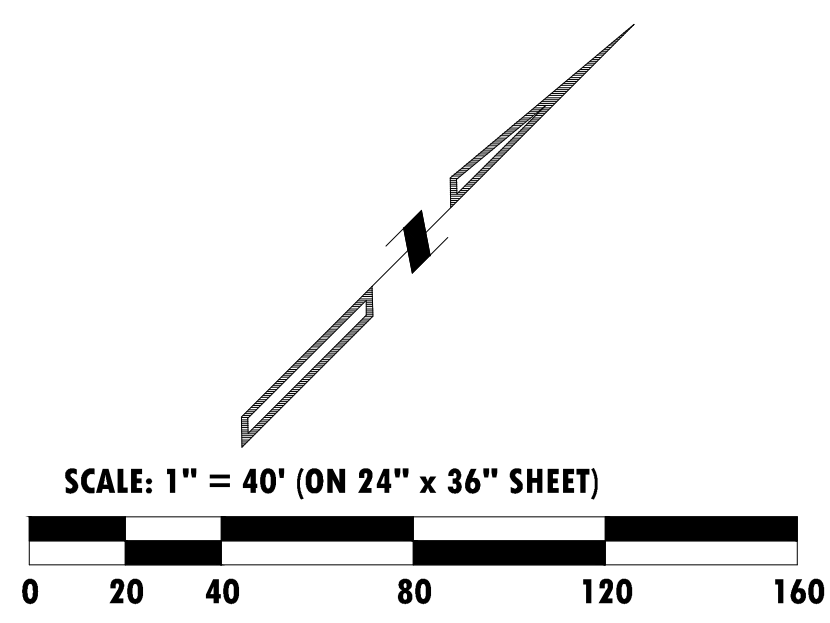
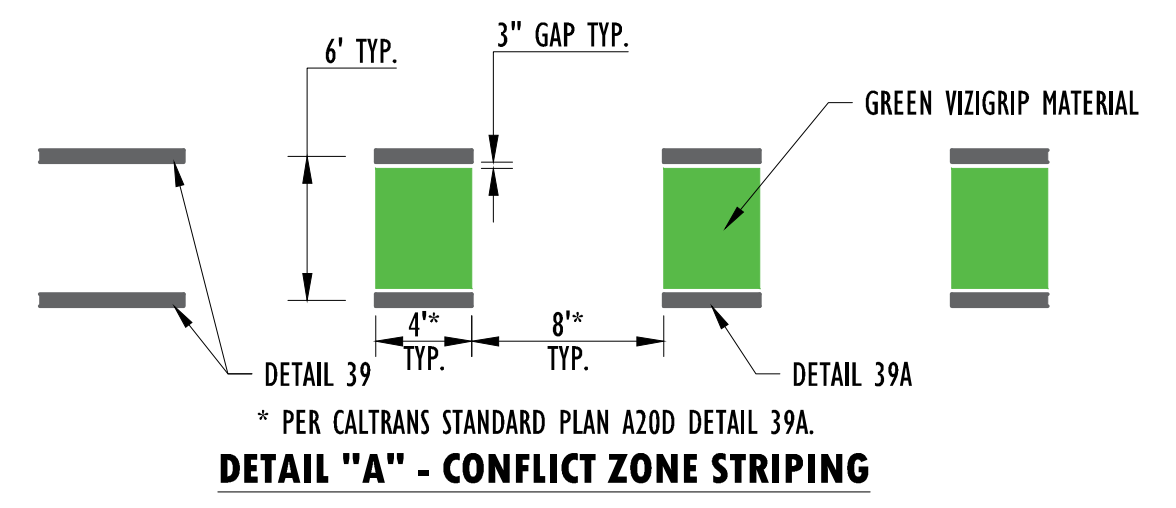
- ② INSTALL REFLECTIVE THERMOPLASTIC 6" WHITE LANE LINE PER CALTRANS STANDARD PLAN A20A DETAIL 12.
- ⑤ INSTALL REFLECTIVE THERMOPLASTIC 8" WHITE CHANNELIZING LINE PER CALTRANS STANDARD PLAN A20D DETAIL 38.
- ⑥ INSTALL REFLECTIVE THERMOPLASTIC 6" BIKE LANE PER CALTRANS STANDARD PLAN A20D DETAIL 39.
- ⑦ INSTALL REFLECTIVE THERMOPLASTIC PAVEMENT MARKING PER CALTRANS STANDARD PLAN A24A.
- ⑧ INSTALL REFLECTIVE THERMOPLASTIC BIKE LANE SYMBOL WITH PERSON MARKING PER CALTRANS STANDARD PLAN A24C, AND BIKE LANE ARROW PER CALTRANS STANDARD PLAN A24A.
- ⑪ INSTALL GREEN CONFLICT ZONE STRIPING. SEE DETAIL "A".
- ⑫ INSTALL REFLECTIVE THERMOPLASTIC 6" SOLID WHITE EDGELINE PER CALTRANS STANDARD PLAN A20B DETAIL 27B.
- ⑮ INSTALL REFLECTIVE THERMOPLASTIC 6"/6" DOUBLE YELLOW CENTERLINE PER CALTRANS STANDARD PLAN A20A DETAIL 22.
- ⑯ INSTALL REFLECTIVE THERMOPLASTIC 6"/6" DOUBLE YELLOW TWO-WAY LEFT TURN LANE PER CALTRANS STANDARD PLAN A20B DETAIL 32.

SIGNING CONSTRUCTION NOTES:

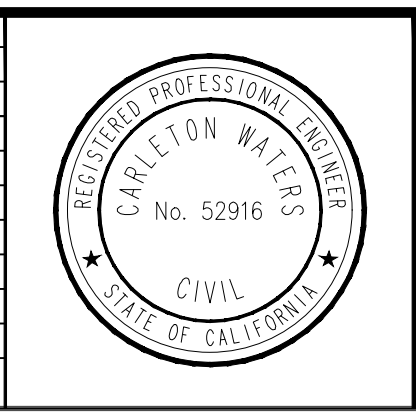
- EX EXISTING TRAFFIC SIGN TO BE PROTECTED IN PLACE.
- IP FURNISH AND INSTALL SIGN (NOTED) AND POST (IF NECESSARY) PER CITY STANDARDS.
- IS FURNISH AND INSTALL SIGN (NOTED) ON STREET LIGHT POLE PER CITY STANDARDS.
- RL RELOCATE EXISTING SIGN(S) AND POST (IF NECESSARY).
- RS REMOVE AND SALVAGE EXISTING SIGN(S) AND POST (IF NECESSARY).

LEGEND:

- EXISTING STRIPING & MARKINGS TO REMAIN.
- EXISTING STRIPING & MARKINGS TO BE REMOVED (REMOVALS BY CONTRACTOR)
- PROPOSED STRIPING & MARKINGS TO BE INSTALLED BY CONTRACTOR



	DESIGNED BY	CARLETON WATERS	DATE	
	DRAWN BY			
DATE	BY	MARK	REVISIONS	APPR. DATE
	ENGINEER			CITY
DESIGNED BY	DRAWN BY	CHECKED BY		



DESIGNED BY
 CARLETON WATERS
 R.C.E. No. 52916

URBAN CROSSROADS
 www.urbanXroads.com
 TELEPHONE: 949-660-1994



CITY OF COACHELLA

RECOMMENDED FOR APPROVAL:
 Steven Nix
 TKE ENGINEERING
 DATE: 01/09/24

APPROVED FOR CONSTRUCTION:
 ANDREW R. SIMMONS, R.C.E. NO. 72868
 DATE: 01/11/2024

DESIGNED BY: DG
 DRAFTED BY: DG
 CHECKED BY: CW
 BENCHMARK: SEE TITLE SHEET

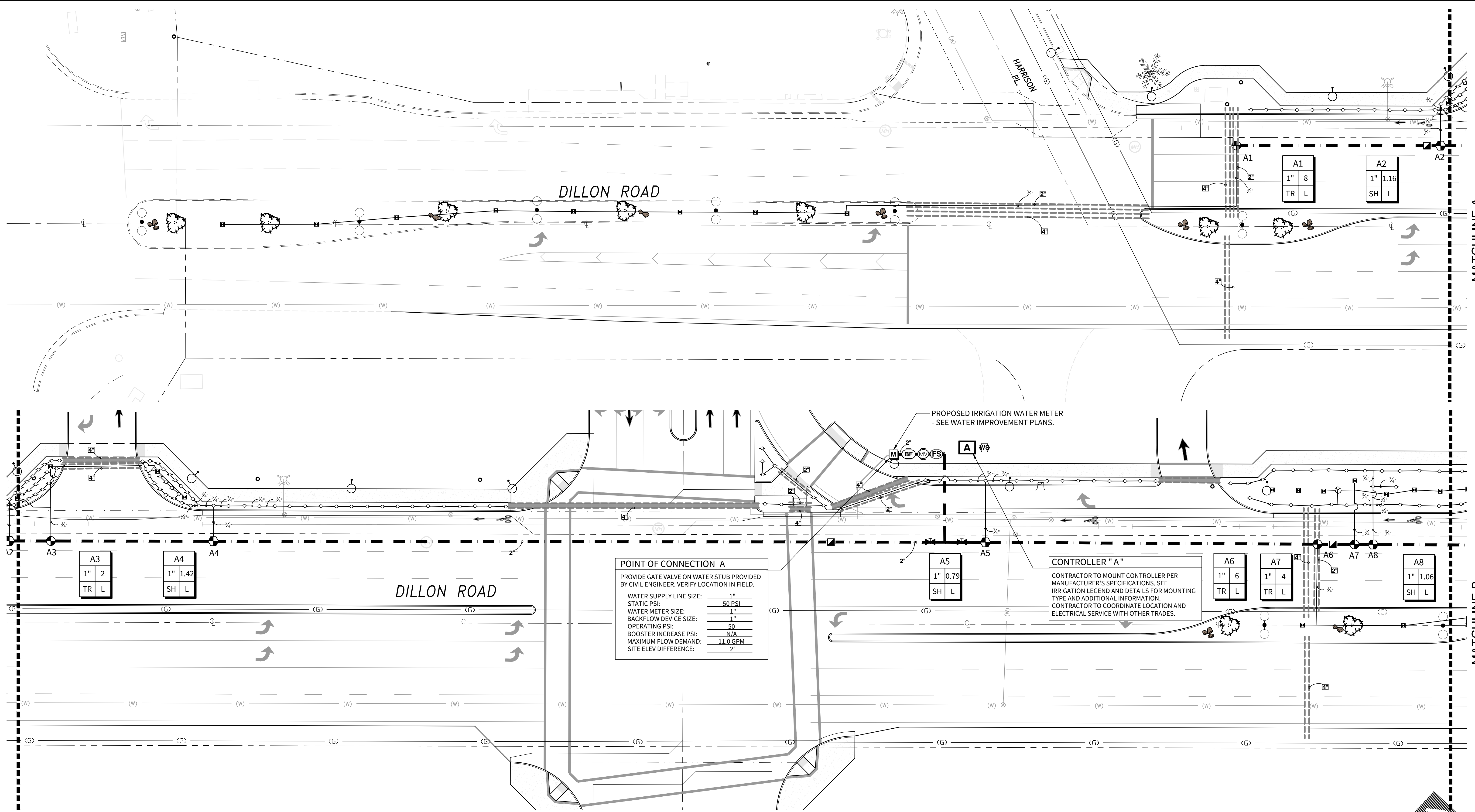
In the City of Coachella

Signing & Striping Plan
 Dillon Road - Interim Conditions
 (N/O Lucky Way to S/O I-10 EB Ramps)

FOR 29 Palms Band of Mission Indians

SHEET NO. 13 OF 21 SHTS.
 DWG NO. 156L3s101
 JOB NO. 156L-003
 LAYOUT: 5101

14760-DillonRdPlan_C22.dwg - 12/3/2023 - djg/bob



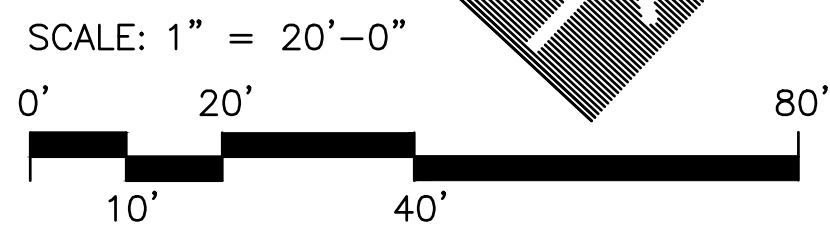
POINT OF CONNECTION A
 PROVIDE GATE VALVE ON WATER STUB PROVIDED BY CIVIL ENGINEER. VERIFY LOCATION IN FIELD.

WATER SUPPLY LINE SIZE:	1"
STATIC PSI:	50 PSI
WATER METER SIZE:	1"
BACKFLOW DEVICE SIZE:	1"
OPERATING PSI:	50
BOOSTER INCREASE PSI:	N/A
MAXIMUM FLOW DEMAND:	11.0 GPM
SITE ELEV DIFFERENCE:	2'

CONTROLLER "A"
 CONTRACTOR TO MOUNT CONTROLLER PER MANUFACTURER'S SPECIFICATIONS. SEE IRRIGATION LEGEND AND DETAILS FOR MOUNTING TYPE AND ADDITIONAL INFORMATION. CONTRACTOR TO COORDINATE LOCATION AND ELECTRICAL SERVICE WITH OTHER TRADES.

IRRIGATION SYSTEM NOTE
 IRRIGATION SYSTEM AS SHOWN ON PLANS IS DIAGRAMMATIC ONLY FOR GRAPHIC CLARITY. ALL IRRIGATION EQUIPMENT, INCLUDING MAINLINE AND VALVES, SHALL BE PLACED IN PLANTER AREAS.

WATER EFFICIENT LANDSCAPE ORDINANCE:
 "I have complied with the criteria of the Water Efficient Landscape Ordinance and applied such criteria for the efficient use of water in the irrigation design plan."
 Applicant Signature: [Signature] License #: 4965 Date: 12.01.2023



7/7/18	S.B.	REVISED EARTHWORK QUANTITIES		
DATE	BY	MARK	REVISIONS	APPR. DATE
ENGINEER				CITY
DESIGNED BY	DRAWN BY	CHECKED BY		



DESIGNED BY
 Kevin C. Leamy
 Vice President
 RLA 4965

12/13/2023
 DATE

FUHRMAN LEAMY LAND GROUP
 DESIGN • SERVICE • SOLUTIONS
 2140 PROFESSIONAL DRIVE, SUITE 115 ROSEVILLE, CA 95661
 (916) 783-5263 info@fllandgroup.com



CITY OF COACHELLA

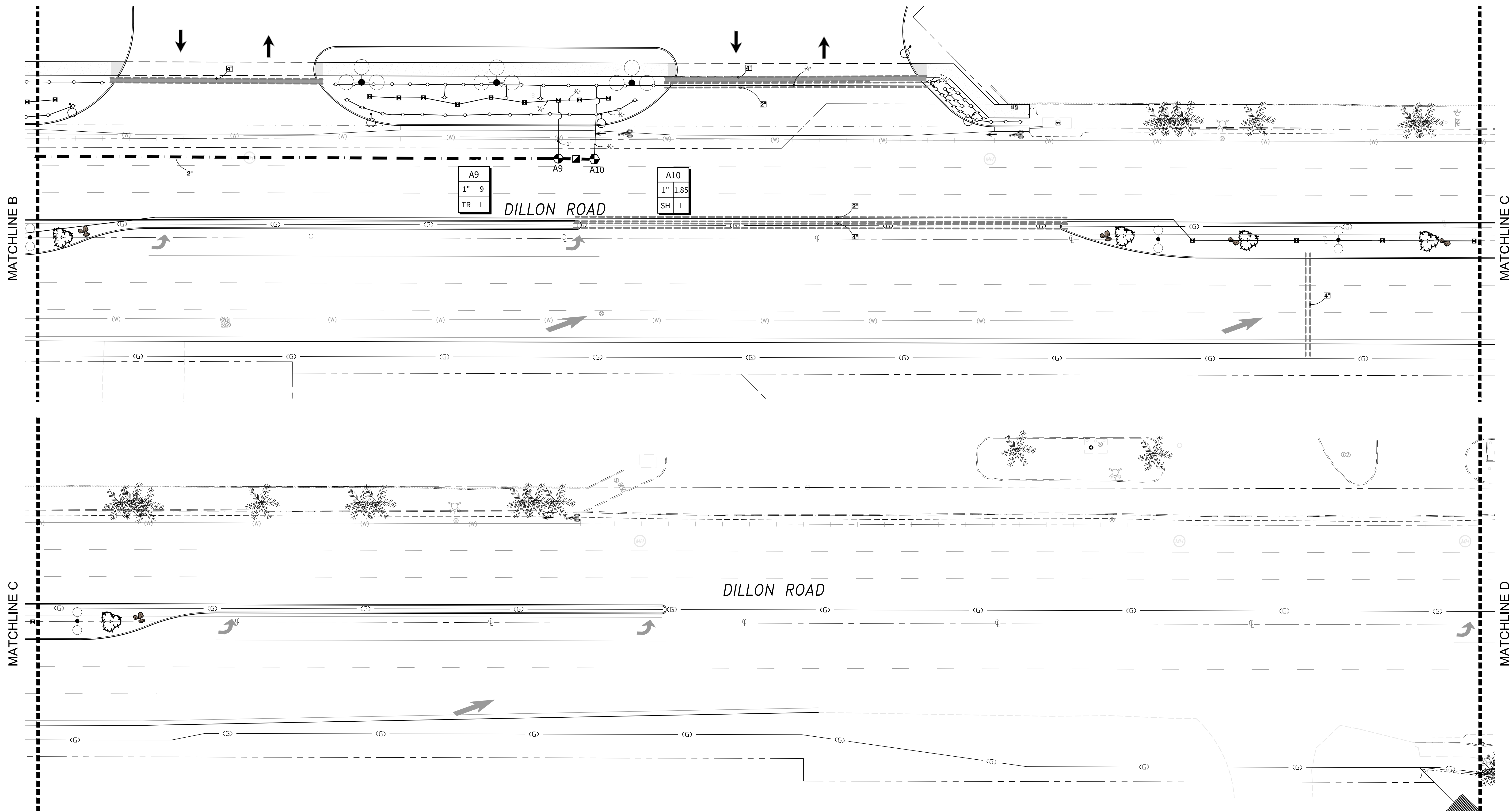
RECOMMENDED FOR APPROVAL:
 Steven Nix
 TKE ENGINEERING
 DATE: 01/09/24

APPROVED FOR CONSTRUCTION:
 Andrew Simmons
 ANDREW R. SIMMONS, R.C.E. NO. 72868
 DATE: 01/11/2024

DESIGNED BY: KCL
 DRAFTED BY: KCL
 CHECKED BY: KCL
 BENCHMARK: SEE ABOVE

In the City of Coachella
Street Improvement Plan
 Portion of Dillon Road
 Dillon Road, Coachella, CA. 92236
 FOR 29 Palms Band of Mission Indians

SHEET NO. 14
 OF 22 SHTS.
 DWG NO. LI-1.0
 JOB NO. JVE:23037
 LAYOUT: ST01



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TR L

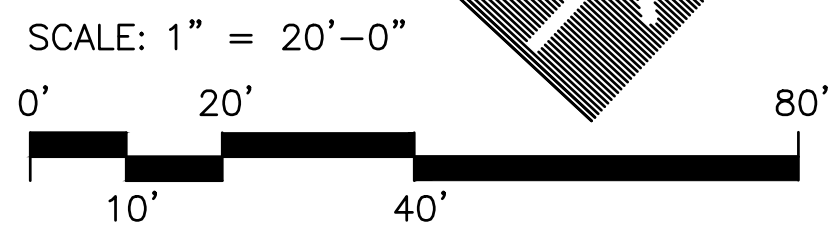
DILLON ROAD

A10
1" 1.85
SH L

DILLON ROAD

IRRIGATION SYSTEM NOTE
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WATER EFFICIENT LANDSCAPE ORDINANCE:
 "I have complied with the criteria of the Water Efficient Landscape Ordinance and applied such criteria for the efficient use of water in the irrigation design plan."
 Applicant Signature: *Kevin C. Leamy* License #: 4965 Date: 12.01.2023



7/7/18	S.B.	REVISED EARTHWORK QUANTITIES		
DATE	BY	MARK	REVISIONS	APPR. DATE
DESIGNED BY	DRAWN BY	CHECKED BY		CITY



DESIGNED BY
Kevin C. Leamy
 Kevin C. Leamy
 Vice President
 RLA 4965
 DATE: 12/13/2023

FUHRMAN LEAMY LAND GROUP
 DESIGN • SERVICE • SOLUTIONS
 2140 PROFESSIONAL DRIVE, SUITE 115 ROSEVILLE, CA 95661
 (916) 783-5263 info@fllandgroup.com



CITY OF COACHELLA

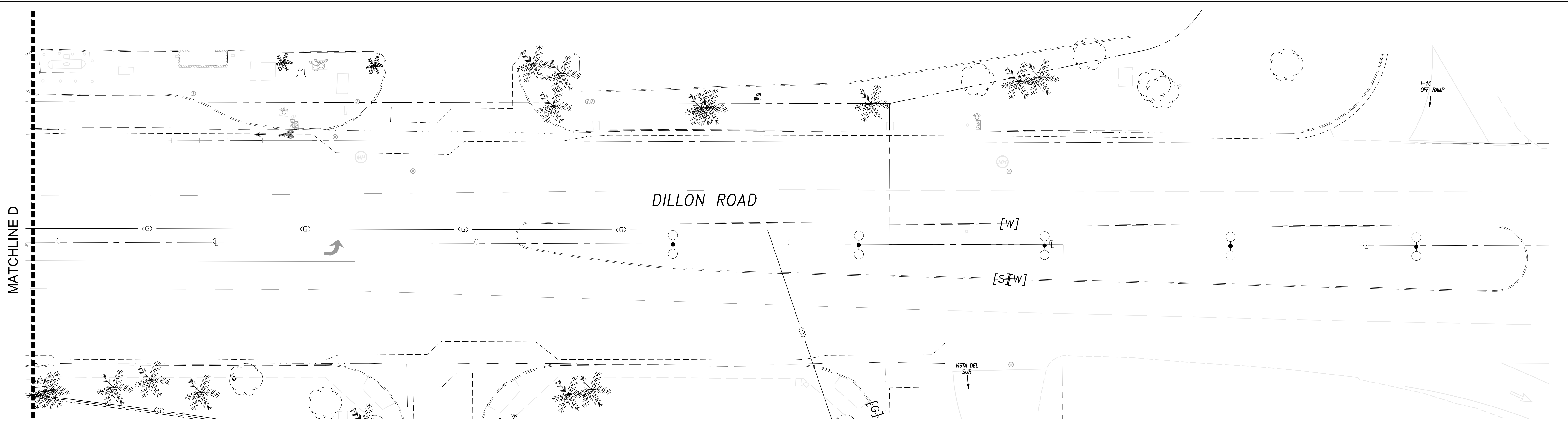
RECOMMENDED FOR APPROVAL:
Steven Nix
 TKE ENGINEERING
 DATE: 01/09/24

APPROVED FOR CONSTRUCTION:
Andrew Simmons
 ANDREW R. SIMMONS, R.C.E. NO. 72868
 DATE: 01/11/2024

DESIGNED BY: KCL
 DRAFTED BY: KCL
 CHECKED BY: KCL
 BENCHMARK: SEE ABOVE

In the City of Coachella
Street Improvement Plan
 Portion of Dillon Road
 Dillon Road, Coachella, CA. 92236
 FOR 29 Palms Band of Mission Indians

SHEET NO. 15
 OF 22 SHTS.
 DWG NO. L-1.1
 JOB NO. JVE:23037
 LAYOUT: ST01



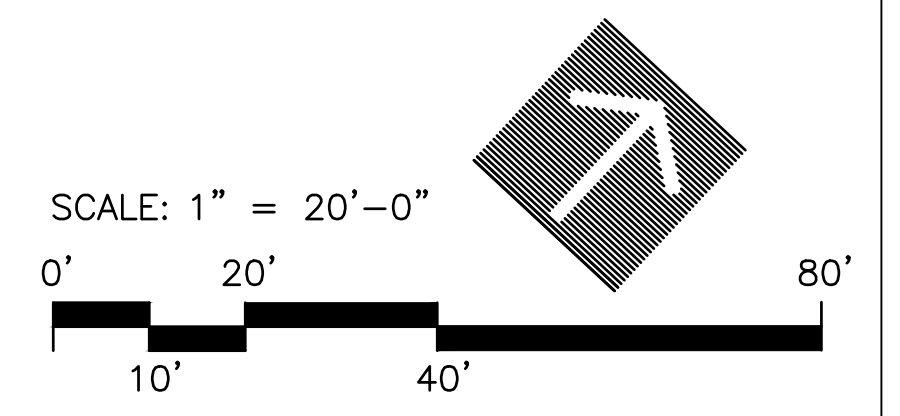
IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI
	HUNTER RZWS-36-CV 36IN. LONG RZWS WITH INSTALLED .25 GPM OR .50 GPM BUBBLER OPTIONS, CHECK VALVE, 1/2IN. SWING JOINT FOR CONNECTION TO 1/2IN. PIPE	25
	HUNTER HEB 1/2IN. FEMALE THREADED POINT SOURCE DRIP EMITTER. COLOR CODED EMITTERS FOR FLOW RATES OF 0.5-6.0 GPH. RECOMMENDED PRESSURE FROM 20 PSI - 50 PSI. INSTALL ON IH RISER (IH-RISER-18) WITH DIFFUSER CAP (HE-DIFF).	
	HUNTER ICV-G 1", 1-1/2", 2", AND 3" PLASTIC ELECTRIC REMOTE CONTROL VALVES, GLOBE CONFIGURATION, WITH NPT THREADED INLET/OUTLET, FOR COMMERCIAL/MUNICIPAL USE.	
	HUNTER ICV-G (DRIP) 1" ICV GLOBE VALVE WITH 1" HY100 FILTER SYSTEM, FLOW RANGE: 0.1 GPM TO 20 GPM. 150 MESH STAINLESS STEEL SCREEN.	
	HUNTER HQ-44LRC QUICK COUPLER VALVE, YELLOW RUBBER LOCKING COVER, RED BRASS AND STAINLESS STEEL, WITH 1" NPT INLET, 2-PIECE BODY.	
	NIBCO T-113 CLASS 125 BRONZE GATE SHUT OFF VALVE WITH WHEEL HANDLE, SAME SIZE AS MAINLINE PIPE DIAMETER AT VALVE LOCATION. SIZE RANGE - 1/4" - 3"	
	BUCKNER-SUPERIOR 3100-PRS 2" NORMALLY OPEN BRASS MASTER VALVE THAT PROVIDES DIRTY WATER PROTECTION. AVAILABLE IN 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", AND 3". PRESSURE REGULATION FEATURE.	
	BACKFLOW 1" REDUCED PRESSURE BACKFLOW PREVENTER - SEE CIVIL PLANS.	

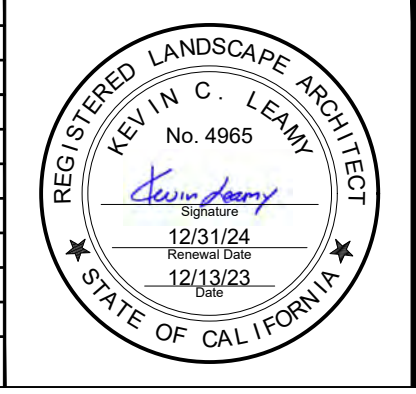
	HUNTER IC-1200-PED-SS MODULAR CONTROLLER, 12 STATIONS, OUTDOOR MODEL, STAINLESS STEEL PEDESTAL. NO MODULE REQUIRED. COMMERCIAL USE.
	HUNTER WSS-SEN WIRELESS SOLAR, RAIN FREEZE SENSOR WITH OUTDOOR INTERFACE, CONNECTS TO HUNTER X-CORE AND ACC CONTROLLERS, INSTALL AS NOTED. INCLUDES GUTTER MOUNT BRACKET. MODULE NOT INCLUDED.
	CREATIVE SENSOR TECHNOLOGY FSI-T10-001 1" PVC TEE TYPE FLOW SENSOR W/SOCKET ENDS, CUSTOM MOUNTING TEE AND ULTRA-LIGHTWEIGHT IMPELLER ENHANCES LOW FLOW MEASUREMENT. 2 WIRE DIGITAL OUTPUT COMPATIBLE W/ALL IRRIGATION CONTROLLERS. FLOW RANGE: .86 GPM - 52 GPM.
	WATER METER 1"
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40
	IRRIGATION MAINLINE: PVC SCHEDULE 40
	PIPE SLEEVE: PVC SCHEDULE 40 LATERAL SLEEVE
	PIPE SLEEVE: PVC SCHEDULE 40 MAINLINE SLEEVE
	Valve Callout Valve Number Valve Flow Valve Size Hydrozone Area Plant Type
	Plant Type SH-Shrub TR-Tree TU-Turf M/Mow BI-Bioremediation S/Sod

IRRIGATION SYSTEM NOTE
IRRIGATION SYSTEM AS SHOWN ON PLANS IS
DIAGRAMMATIC ONLY FOR GRAPHIC CLARITY.
ALL IRRIGATION EQUIPMENT, INCLUDING
MAINLINE AND VALVES, SHALL BE PLACED IN
PLANTER AREAS.

WATER EFFICIENT LANDSCAPE ORDINANCE:
"I have complied with the criteria of the Water Efficient
Landscape Ordinance and applied such criteria for the efficient
use of water in the irrigation design plan."
Applicant Signature: *Kevin C. Leamy* License #: 4965 Date: 12.01.2023



DATE	BY	MARK	REVISIONS	APPR.	DATE
7/7/18	S.B.		REVISED EARTHWORK QUANTITIES		
DESIGNED BY	DRAWN BY	CHECKED BY			



DESIGNED BY
Kevin C. Leamy
Kevin C. Leamy
Vice President
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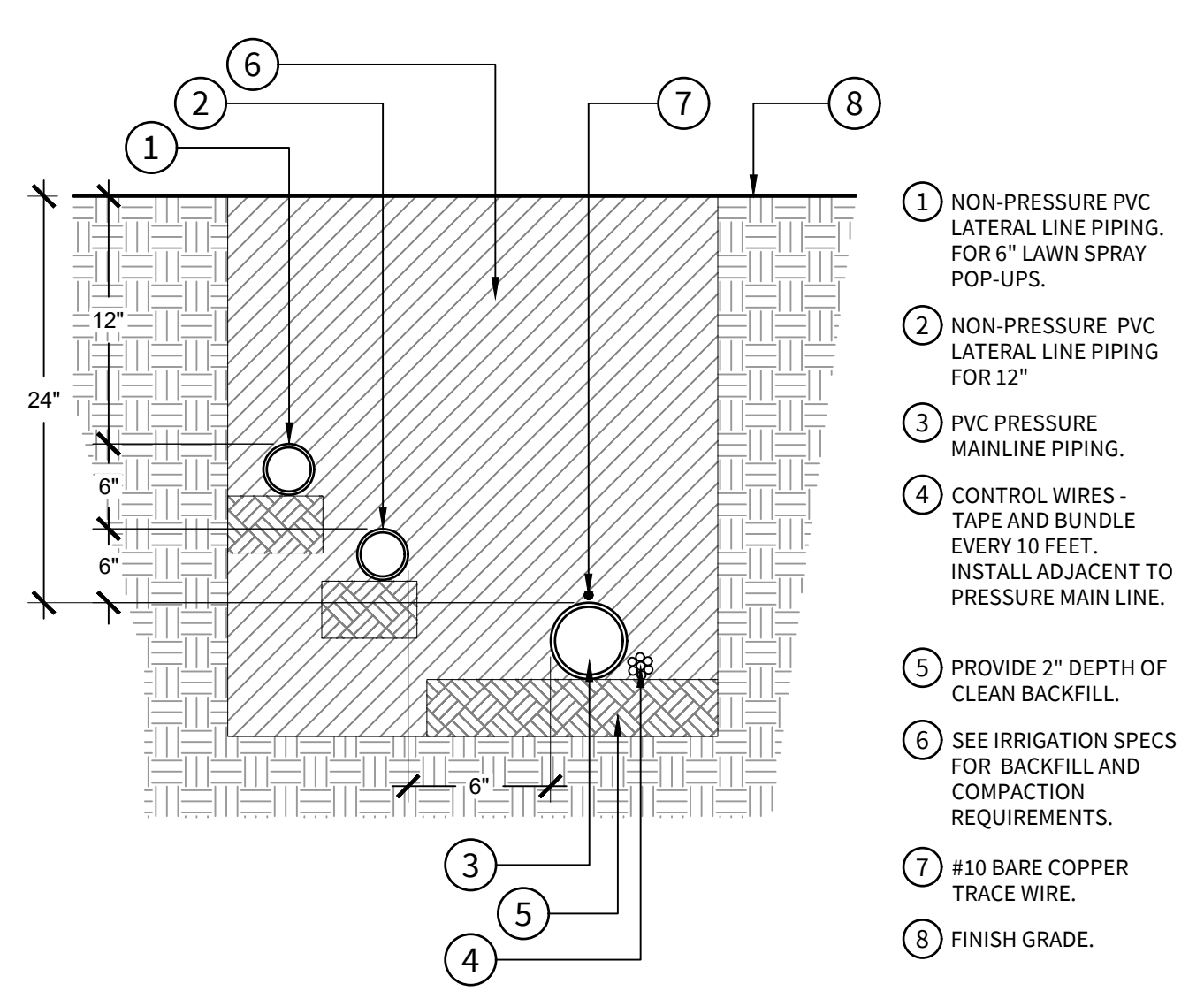
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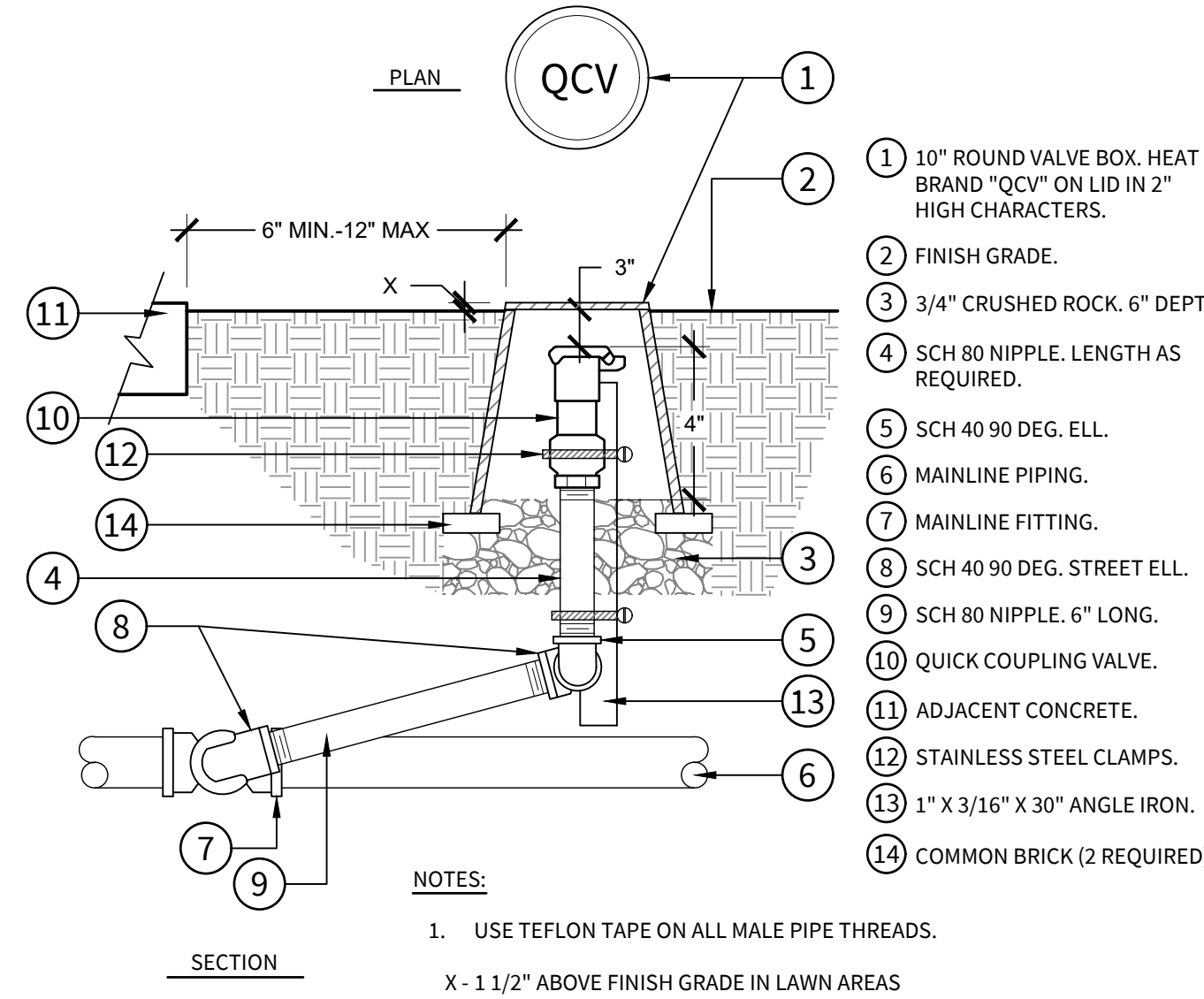
SHEET NO. 16
OF 22 SHTS.
DWG NO. LI-1.2
JOB NO. JVE:23037
LAYOUT: ST01

GENERAL IRRIGATION NOTES

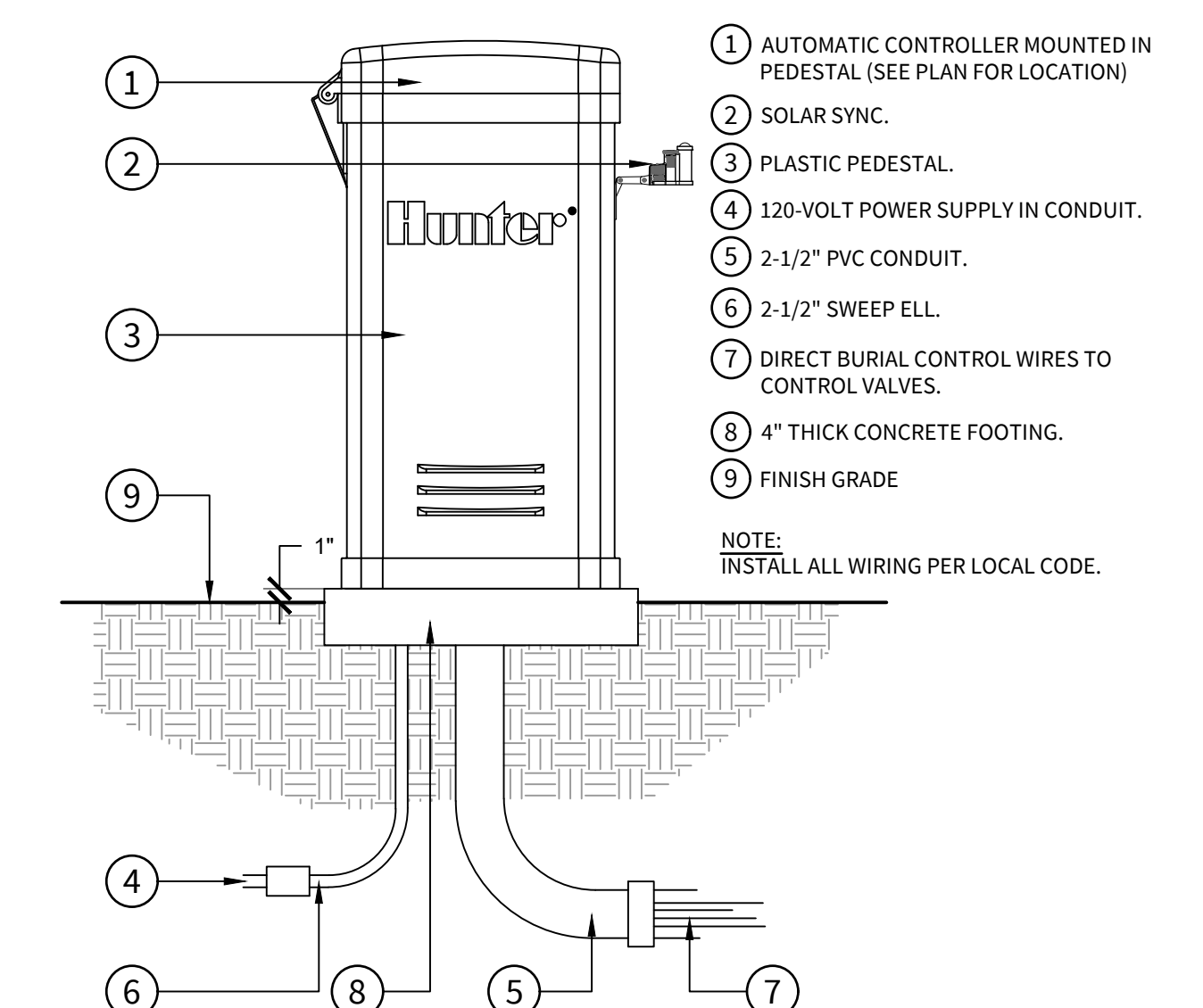
- ALL POP-UP TYPE SPRINKLER HEADS INSTALLED IN SHRUB OR GROUND COVER AREAS SHALL BE INSTALLED SO THAT THE TOP OF THE SPRINKLER HEAD IS 1" ABOVE FINISH GRADE.
- ALL POP-UP TYPE SPRINKLER HEADS INSTALLED IN TURF AREAS SHALL BE INSTALLED SO THAT THE TOP OF THE SPRINKLER HEAD IS FLUSH WITH ADJACENT SIDEWALK OR CURB.
- ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO FINISH GRADE OF THE AREA TO BE IRRIGATED UNLESS OTHERWISE DESIGNATED ON THE PLANS.
- ALL SPRINKLERS SHALL BE INSTALLED WITH A "CHECK VALVE" TO PREVENT DRAINAGE FROM SPRINKLER HEAD WHEN THE SPRINKLER IS OFF. DRAINAGE OF IRRIGATION WATER THROUGH SPRINKLER HEADS WILL NOT BE ALLOWED.
- THE SPRINKLER SYSTEM DESIGN IS BASED ON THE MINIMUM OPERATING PRESSURE OF 55 PSI AND THE MAXIMUM FLOW OF 21.5 GPM AS SHOWN ON THE IRRIGATION DRAWINGS AT THE METER OR POINT OF CONNECTION. THE IRRIGATION CONTRACTOR SHALL VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. REPORT ANY DIFFERENCE BETWEEN THE WATER PRESSURE IRRIGATION POINT OF CONNECTION TO THE OWNER'S AUTHORIZED REPRESENTATIVE. IN THE EVENT THAT PRESSURE DIFFERENCES ARE NOT REPORTED PRIOR TO THE START OF CONSTRUCTION, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.
- 120 VOLT ELECTRICAL POWER OUTLET AT THE AUTOMATIC CONTROLLER LOCATION SHALL BE PROVIDED BY OTHERS. IT SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO MAKE THE FINAL HOOK-UP FROM THE ELECTRICAL OUTLET TO THE AUTOMATIC CONTROLLER.
- THIS DESIGN IS DIAGRAMMATIC. ALL PIPING, VALVES, ETC. SHOWN WITHIN PAVED AREAS IS FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTING AREAS. AVOID ANY CONFLICTS BETWEEN THE SPRINKLER SYSTEM, PLANTING AND ARCHITECTURAL FEATURES.
- THE IRRIGATION CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS FOR OPTIMUM PERFORMANCE AND TO PREVENT OVER-SPRAY ONTO WALKS, ROADWAYS AND/OR BUILDINGS AS MUCH AS POSSIBLE. THIS SHALL INCLUDE SELECTING THE BEST DEGREE OF ARC TO FIT THE EXISTING SITE CONDITIONS AND TO THROTTLE THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH SYSTEM.
- DO NOT WILLFULLY INSTALL THE SPRINKLER SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES OR DIFFERENCES IN THE AREA DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE ENGINEERING. SUCH OBSTRUCTIONS OR DIFFERENCES SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE. IN THE EVENT THAT THIS NOTIFICATION IS NOT PERFORMED, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.
- INSTALL ALL PIPE MATERIALS AND EQUIPMENT AS SHOWN IN THE DETAILS. USE TEFLON TAPE OR TEFLON PIPE DOPE ON ALL PVC MALE PIPE THREADS ON ALL SPRINKLER SWING JOINT AND VALVE ASSEMBLIES.
- IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, RETAINING WALLS, ETC. HE SHALL COORDINATE HIS WORK WITH THE GENERAL CONTRACTOR AND OTHER SUB- CONTRACTORS FOR THE LOCATION AND THE INSTALLATION OF PIPE SLEEVES THROUGH WALLS, UNDER ROADWAYS, PAVING, STRUCTURES, ETC.
- IN ADDITION TO THE CONTROL WIRE SLEEVES SHOWN ON THE DRAWINGS, THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF CONTROL WIRE SLEEVES OF SUFFICIENT SIZE UNDER ALL OTHER PAVED AREAS.
- CONTRACTOR SHALL PROGRAM IRRIGATION CONTROLLER TO OPERATE AS FOLLOWS POST-CONSTRUCTION: SPRAY VALVES SHALL ONLY BE TURNED ON BETWEEN THE HOURS OF 10:00 P.M. AND 6:00 A.M. BUBBLER AND DRIP VALVES CAN OPERATE AT ANY TIME.
- PER MWEL0, IRRIGATION HEADS MUST BE PLACED SO THAT HARDSCAPED AREAS DRAIN TOWARD LANDSCAPED AREAS, AND WITH NO OVERSPRAY. OTHERWISE A SETBACK FROM HARDSCAPE OF 24" MINIMUM IS REQUIRED.
- ALL LANDSCAPE AUDITS SHALL BE CONDUCTED BY A THIRD PARTY CERTIFIED LANDSCAPE IRRIGATION AUDITOR.
- THE PROJECT APPLICANT SHALL SUBMIT AN IRRIGATION AUDIT REPORT WITH THE CERTIFICATE OF COMPLETION TO THE RESPONSIBLE LOCAL AGENCY PER WELO REQUIREMENTS.



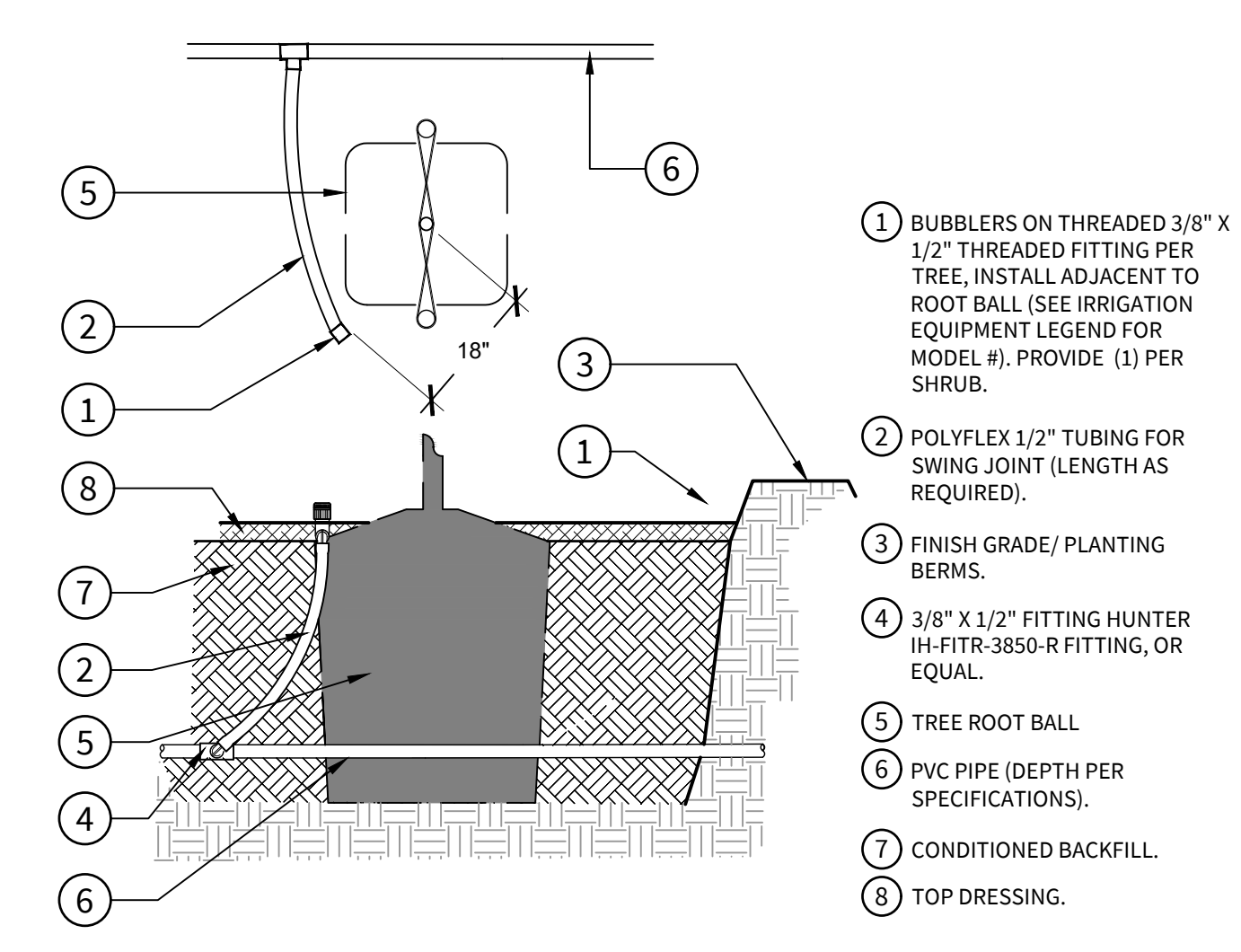
E IRRIGATION TRENCHING: 24" DEPTH (DOMESTIC)
NOT TO SCALE C-23037-17



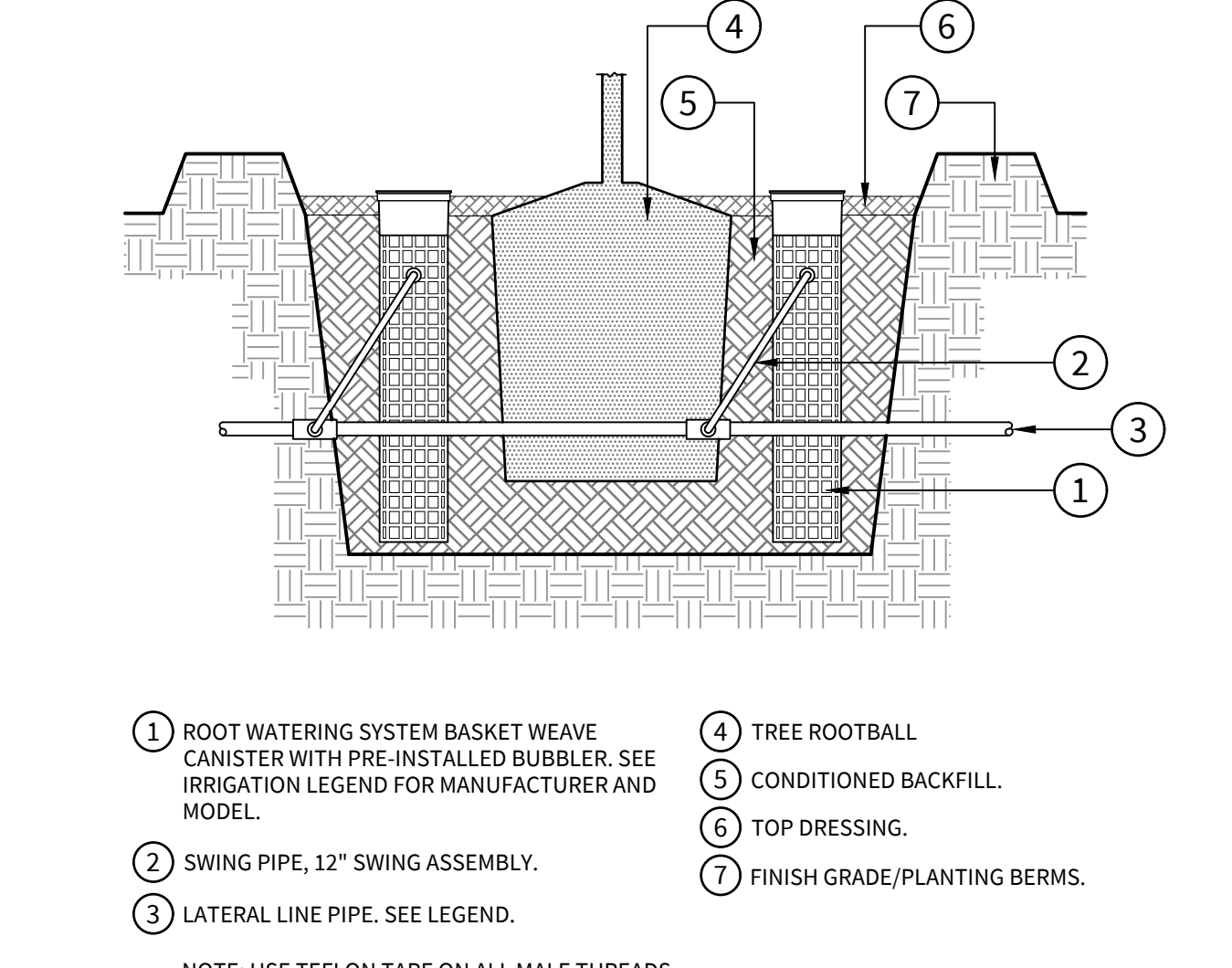
C QUICK COUPLER (DOMESTIC)
NOT TO SCALE C-23037-12



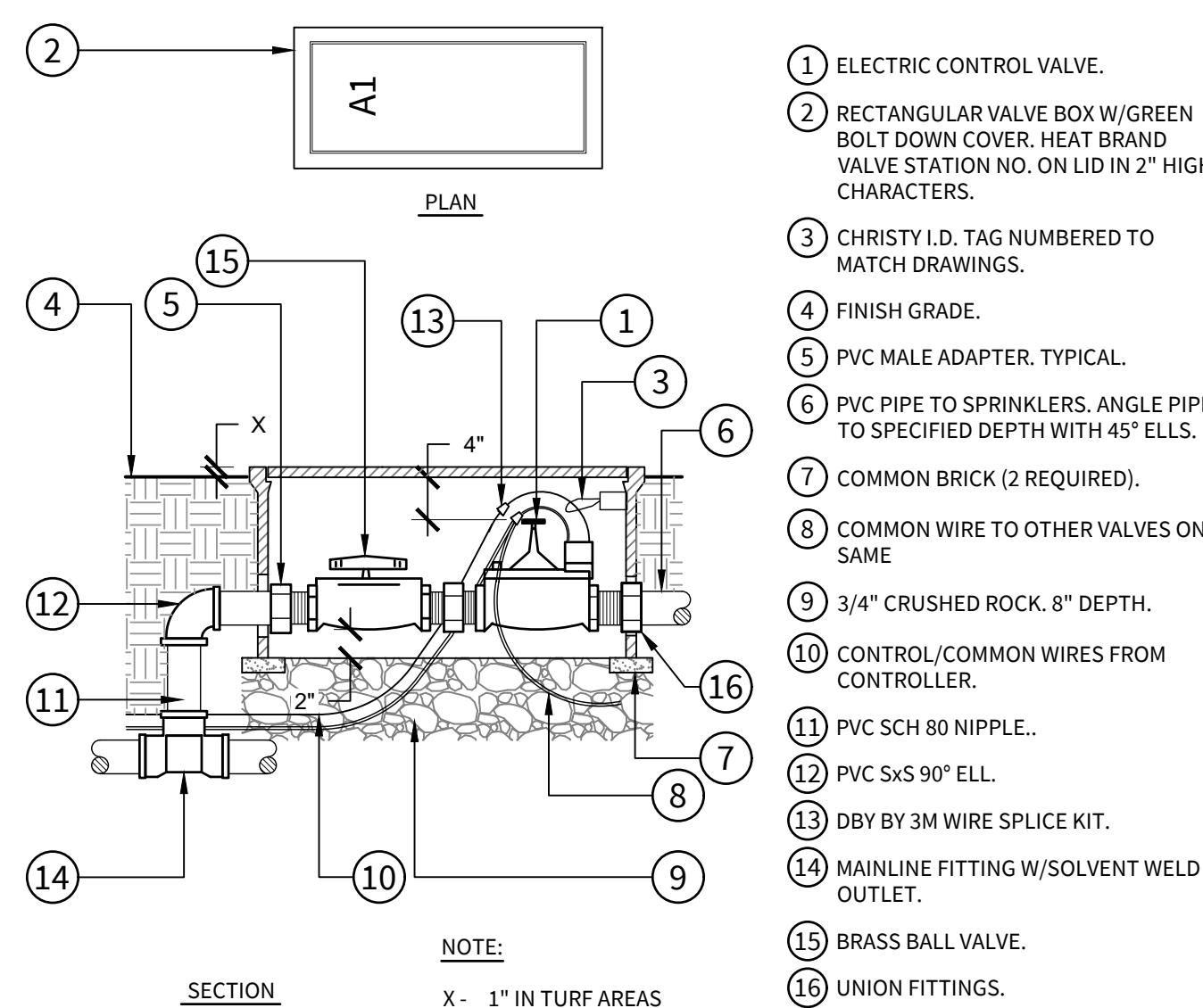
A IRRIGATION CONTROLLER (PEDESTAL MOUNT)
NOT TO SCALE C-23037-15



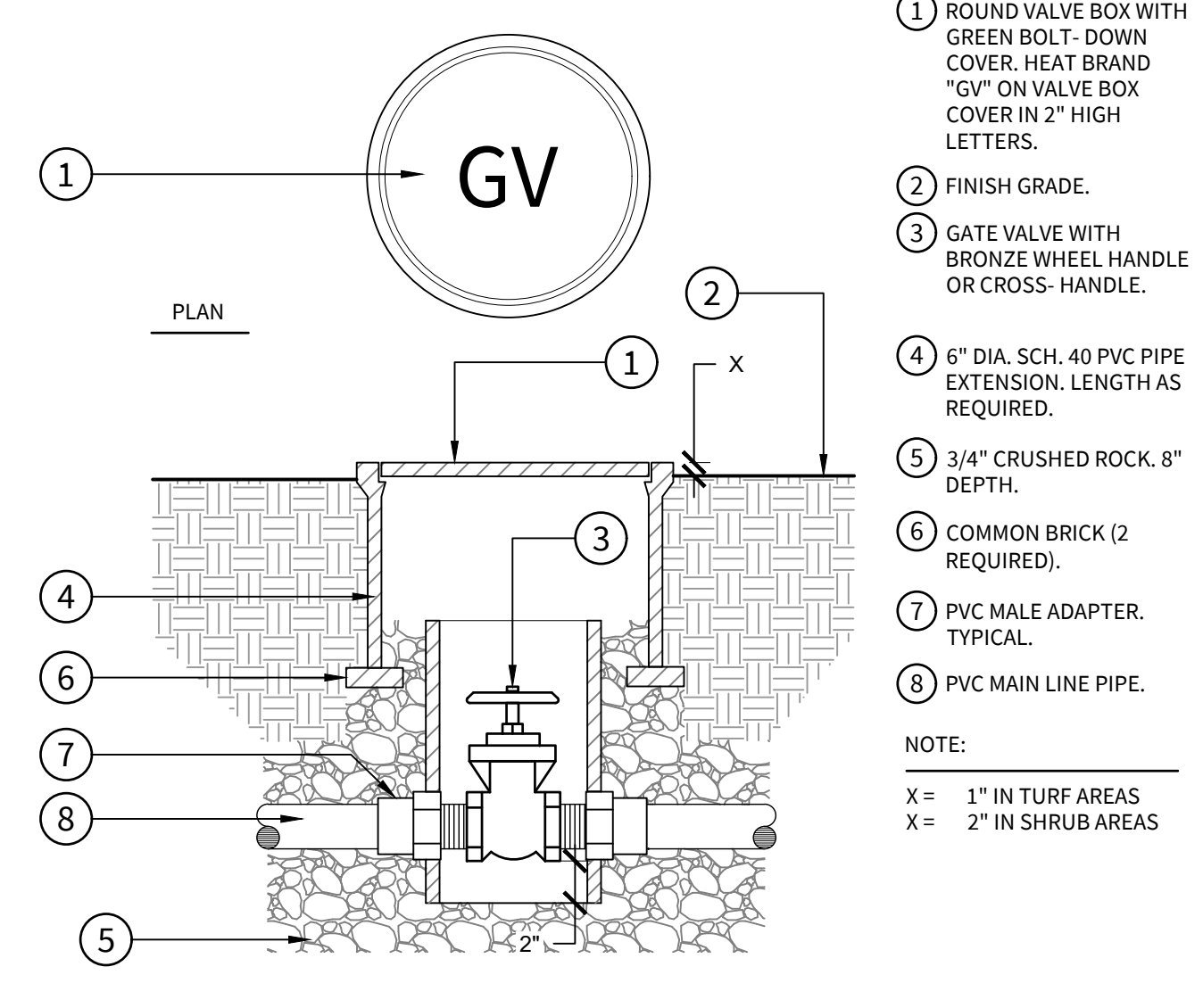
G BUBBLER FOR SHRUBS
NOT TO SCALE C-23037-06



F BUBBLER: ROOT WATERING SYSTEM FOR TREES
NOT TO SCALE C-23037-25



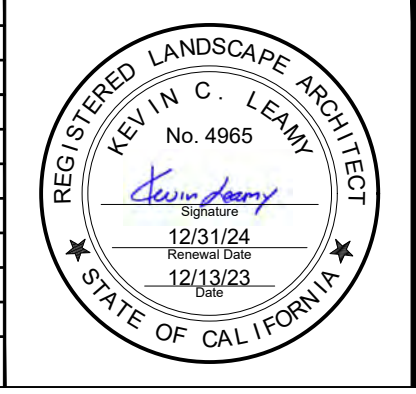
D ELECTRIC REMOTE CONTROL VALVE: W/BALL VALVE
NOT TO SCALE C-23037-16



B GATE VALVE (DOMESTIC)
NOT TO SCALE C-23037-11



7/7/18	S.B.	REVISED EARTHWORK QUANTITIES		
DATE	BY	MARK	REVISIONS	APPR. DATE
DESIGNED BY	DRAWN BY	CHECKED BY		CITY



DESIGNED BY
Kevin C. Leamy
Kevin C. Leamy
Vice President
RLA 4965

12/13/2023
DATE

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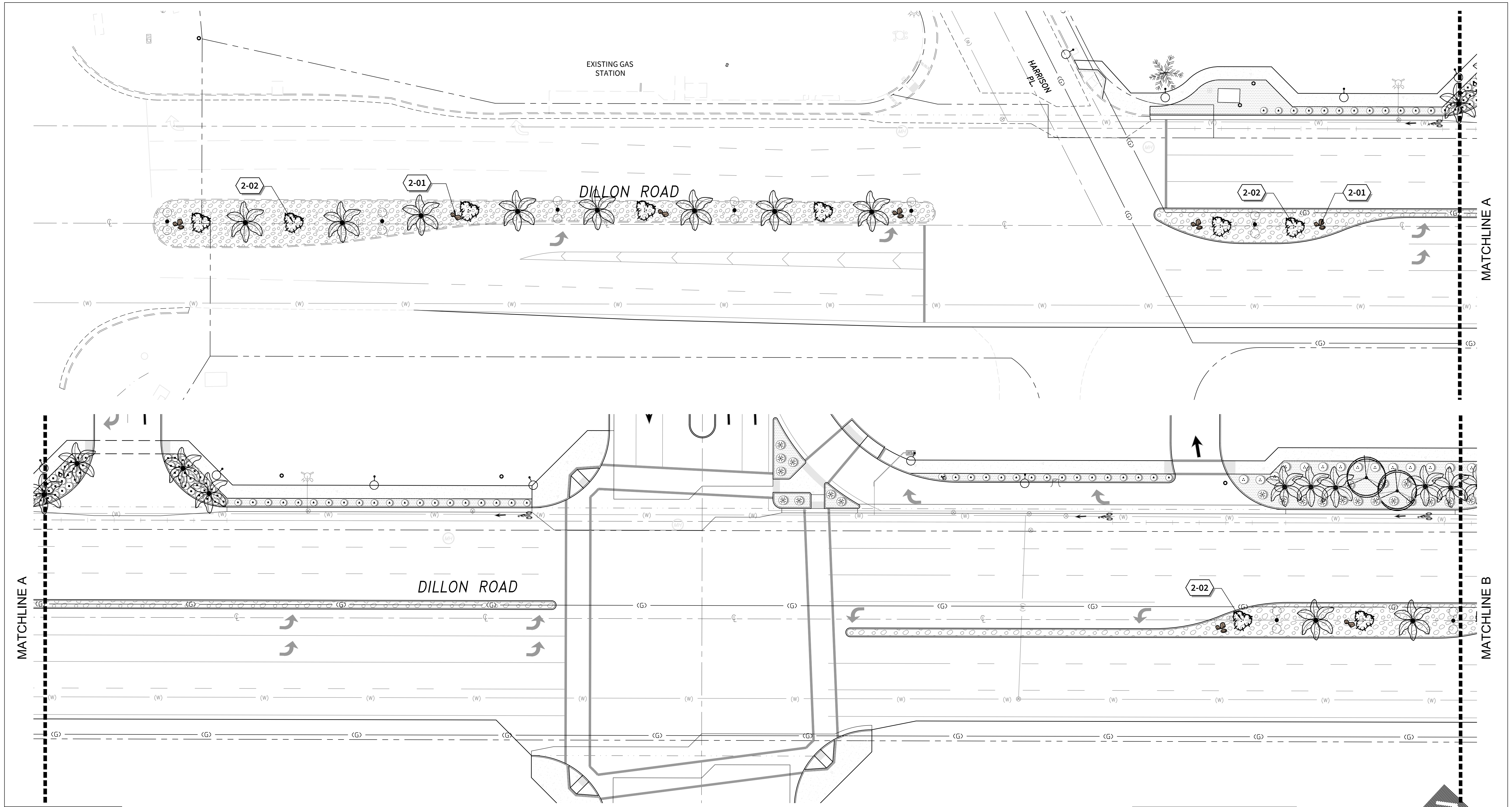
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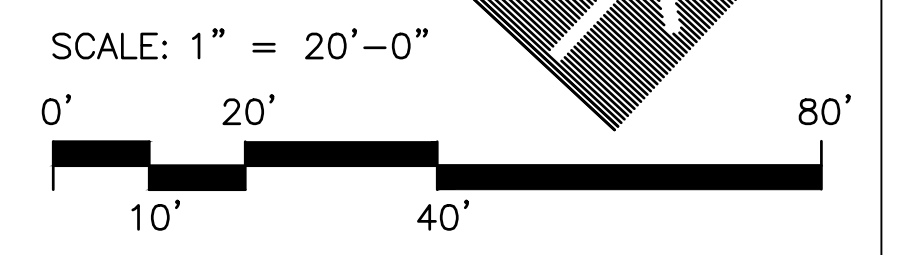
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SHEET NO. 18 OF 22 SHTS.
DWG NO. L1-2.1
JOB NO. JVE:23037
LAYOUT: ST01



Know what's below.
Call before you dig.

WATER EFFICIENT LANDSCAPE ORDINANCE:
 "I have complied with the criteria of the Water Efficient Landscape Ordinance and applied such criteria for the efficient use of water in the landscape design plan."
 Applicant Signature: *[Signature]* License #: 4965 Date: 12.01.2023



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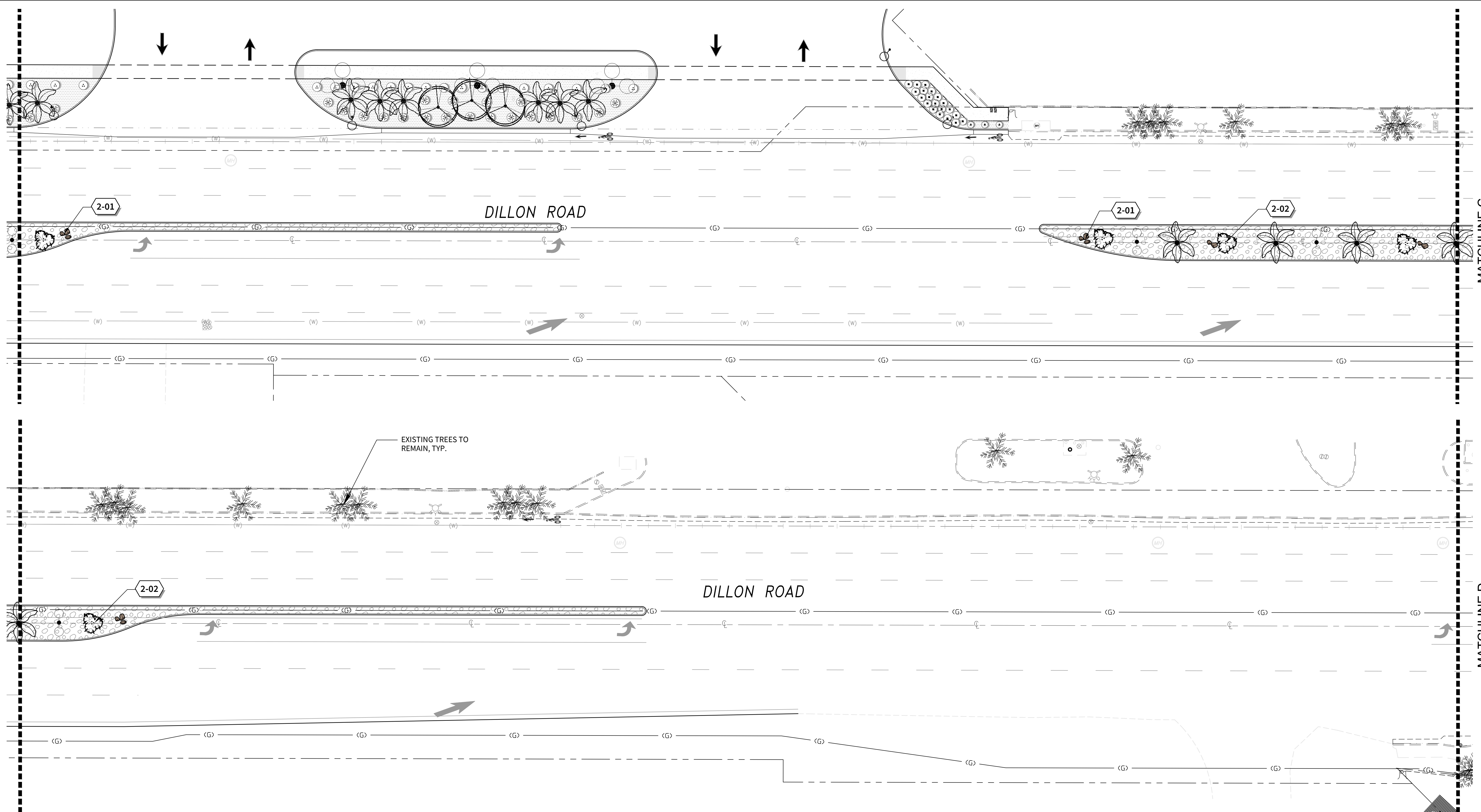
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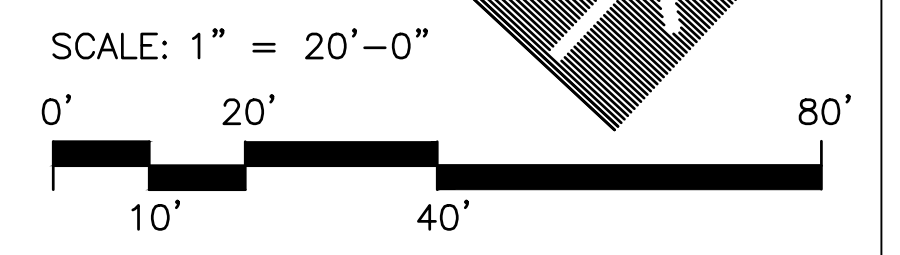
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SHEET NO. 19
 OF 22 SHTS.
 DWG NO. LP-1.0
 JOB NO. JVE:23037
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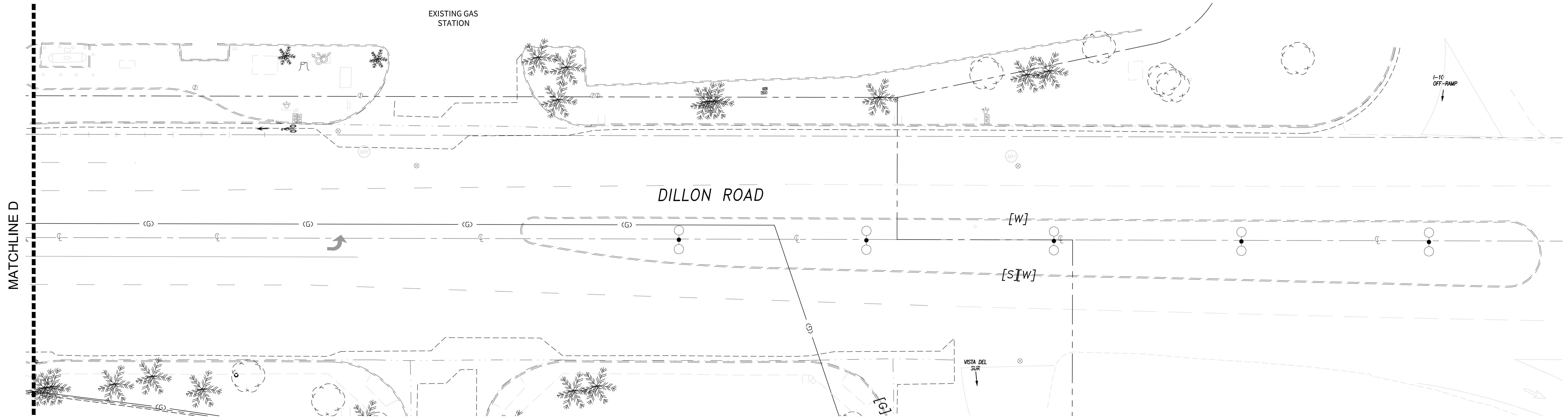
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Street Improvement Plan
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SHEET NO. 20
 OF 22 SHTS.
 DWG NO. LP-1.1
 JOB NO. JVE:23037
 LAYOUT: ST01



PLANT SCHEDULE

SYMBOL	BOTANICAL / COMMON NAME	SIZE	WATER USE	QTY
TREES				
	CHILOPSIS LINEARIS 'ART'S SEEDLESS' ART'S SEEDLESS DESERT WILLOW	24"		5
	PHOENIX DACTYLIFERA 'MEDJOOL' MEDJOOL DATE PALM	12 BTF		30
SHRUBS				
	CALLISTEMON VIMINALIS 'LITTLE JOHN' LITTLE JOHN WEeping BOTTLEBRUSH	5 GAL.	L	64
	HESPERALOE PARVIFLORA 'PERPA' BRAKELIGHTS® RED YUCCA	1 GAL.	L	43
	LANTANA CAMARA 'DWARF YELLOW' YELLOW BUSH LANTANA	1 GAL.	L	32
	MUHLENBERGIA CAPILLARIS 'PINK CLOUD' PINK CLOUD PINK MUHLY GRASS	5 GAL.	L	66

REFERENCE NOTES SCHEDULE

SYMBOL	2 SITE DESCRIPTION	DETAIL
	PROVIDE BOULDERS. TYP OF 34. COLOR: BAJA CRESTED RUBBLE.	E/LP-2.0
	PROVIDE METAL JOSHUA TREE SCULPTURE. TYP. OF 14	G/LP-2.0

ROCK SCHEDULE

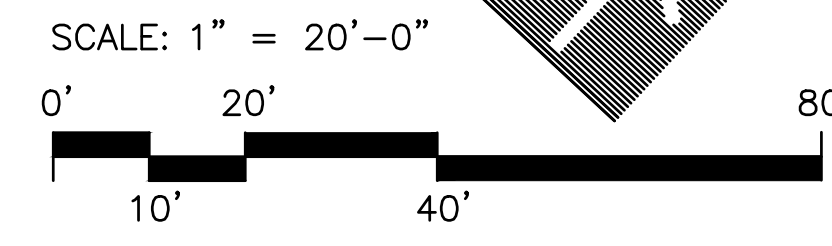
	4-8" CRUSHED ROCK 13,400 SF COLOR: BAJA CRESTED RUBBLE	F/LP-2.0
	DECOMPOSED GRANITE 6,425 SF COLOR: CALIFORNIA GOLD	D/LP-2.0

ROCK AVAILABLE FROM SOUTHWEST BOULDER & STONE 760-342-5522.
CONTRACTOR TO PROVIDE SAMPLE TO OWNER FOR APPROVAL.



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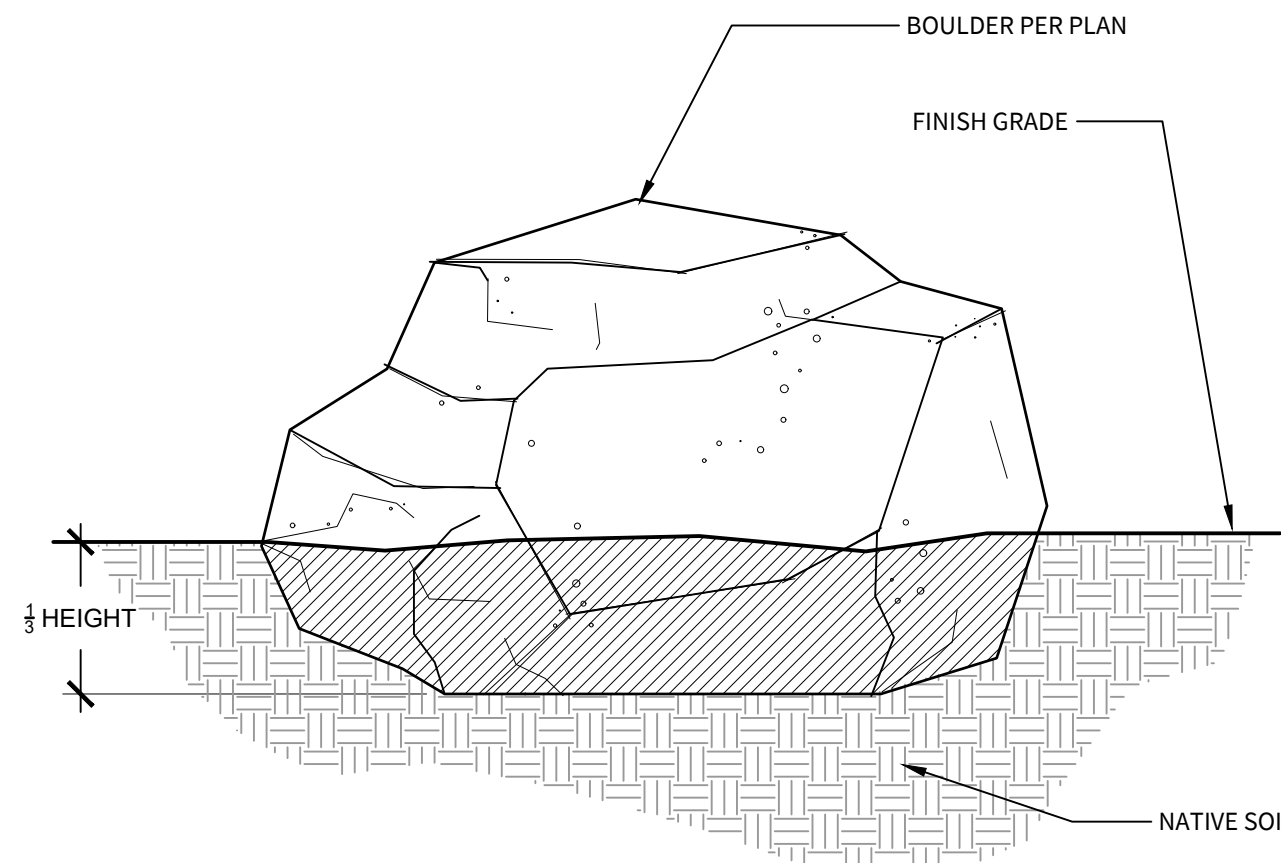


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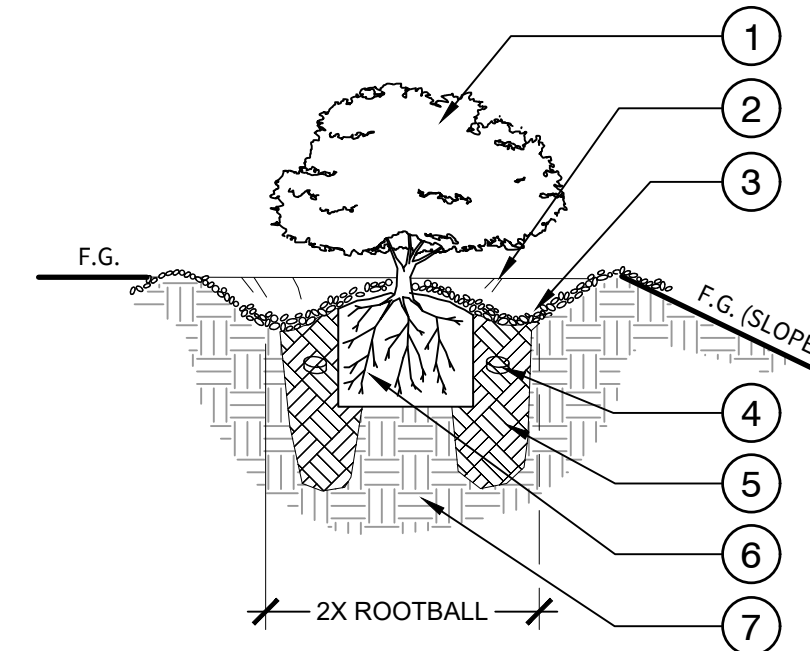
GENERAL PLANTING NOTES

- CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS PRIOR TO BIDDING AND CONSTRUCTION.
- ALL TREES SHALL BE TAGGED AND/OR APPROVED BY OWNER & LANDSCAPE ARCHITECT. NURSERY SOURCES SHALL BE AT OWNER/LANDSCAPE ARCHITECT'S DISCRETION.
- ALL SHRUBS AND GROUND COVER AREAS SHALL BE TOP DRESSED WITH A THREE (3") INCH LAYER ROCK PER PLANS AND DETAILS.
- ALL TREES (EXCEPT IN TURF AREAS), SHRUBS AND GROUND COVERS (INCLUDING THOSE ON SLOPES) SHALL HAVE WATERING BASINS BUILT UP AT LEAST TWO (2) TIMES THE DIAMETER OF THE ROOTBALL. TREE AND SHRUB BASINS SHALL BE A MINIMUM OF THREE (3") INCHES HIGH. GROUND COVER BASINS SHALL BE A MINIMUM OF TWO (2") INCHES HIGH.
- ALL PLANT MATERIALS SHALL BE IMMEDIATELY "HAND" WATERED AFTER PLANTING AND CONTINUALLY MONITORED AND SUPPLEMENTALLY "HAND" WATERED DURING THE CONSTRUCTION AND CONTRACT MAINTENANCE PHASES AS NEEDED.
- SUBSTITUTION OF PLANT MATERIALS WILL NOT BE ACCEPTABLE UNLESS OTHERWISE APPROVED BY THE LANDSCAPE ARCHITECT.
- ALL PLANT MATERIALS DELIVERED TO THE SITE MUST HAVE AT LEAST ONE OF EACH PLANT TYPE TAGGED WITH THE GENUS AND SPECIES CLEARLY MARKED. PLANTS OF THE SAME GENUS TYPE WITH DIFFERENT SPECIES TYPE WITH DIFFERENT COLOR OR SPECIES VARIATION MUST HAVE ALL OF EACH DIFFERENT SPECIES CLEARLY TAGGED.
- ALL PLANT HOLES SHALL BE DUG TO A MINIMUM OF TWO (2) TIMES THE PLANT CONTAINER WIDTH (WIDTH ONLY, NOT DEPTH) AND ALL VERTICAL SIDES IN THE HOLES SHALL BE SHOVEL SCORED. IN NO CASE SHALL SMOOTHLY EXCAVATED SIDES BE ALLOWED FOR PLANTING.
- PRIOR TO PLANTING OF ANY MATERIALS, COMPACTED SOILS SHALL BE TRANSFORMED INTO A FRIABLE CONDITION. ON ENGINEERED SLOPES, ONLY AMENDED PLANTING HOLES NEED TO MEET THIS REQUIREMENT. "FRIABLE" MEANS A SOIL CONDITION THAT IS EASILY CRUMBLER OR LOOSELY COMPACTED DOWN TO A MINIMUM PLANTING DEPTH PER PLANTING MATERIAL WHEREBY THE ROOT STRUCTURE OR NEWLY PLANTED MATERIAL WILL BE ALLOWED TO SPREAD UNIMPEDED.
- PREPARE ALL PLANTING AREAS WITH FOUR (4) CUBIC YARDS/1,000 S.F. OF NITROLIZED ORGANIC SOIL CONDITIONER. PROVIDE 200 LBS./1,000 S.F. OF GRO-POWER PLUS FERTILIZER. ROTOTILL EVENLY TO A DEPTH OF SIX (6") INCHES INTO EXISTING SOIL.
- PROVIDE SOILS FERTILITY TEST, AS PER SPECIFICATIONS, TO LANDSCAPE ARCHITECT PRIOR TO COMMENCING WITH WORK. PREPARE ALL PLANTING AREAS WITH THE MINIMUM OF SOIL CONDITIONER AND FERTILIZER AS STATED IN NOTE #10 ABOVE, OR AS PER RECOMMENDATIONS OF SOILS FERTILITY TEST, WHICHEVER IS GREATER. ROTOTILL EVENLY TO A DEPTH OF SIX (6") INCHES INTO EXISTING SOIL.
- IF ANY PORTION OF THE SITE IS LIME TREATED, THE LANDSCAPE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT IN WRITING. DO NOT PROCEED WITH ANY WORK IN LIME TREATED SOIL. TYPICALLY, LIME TREATED SOILS ABOVE 1% RESULT IN PH VALUES AND COMPACTION THAT ARE DELETERIOUS TO PLANT MATERIAL, EVEN WITH AGGRESSIVE AMENDMENTS AND CONDITIONERS. THESE LIME TREATED SOILS MUST BE REMOVED AND REPLACED WITH IMPORT SOILS OF SUITABLE CHEMISTRY AND COMPATIBLE TEXTURE. THE LANDSCAPE CONTRACTOR SHALL NOT PROCEED WITH ANY WORK IN LIME TREATED AREAS UNTIL A RESOLUTION IS PROVIDED IN WRITING.
- ALL LANDSCAPE BERMS ARE TO BE GRADED SIX (6") INCHES HIGHER THAN THE HIGHEST CONTOUR SHOWN ON PLANS, TYPICAL.
- ALL LANDSCAPE AREAS WITH A SLOPE OF TWO AND A HALF TO ONE (2-1/2:1) OR GREATER MUST HAVE JUTE NETTING INSTALLED FOR EROSION CONTROL.
- SHRUB AND GROUND COVER AREAS SHALL BE TREATED WITH CHIPCO RONSTAR 'G' PRE-EMERGENT HERBICIDE. PROVIDE PER MANUFACTURER'S SPECIFICATIONS.



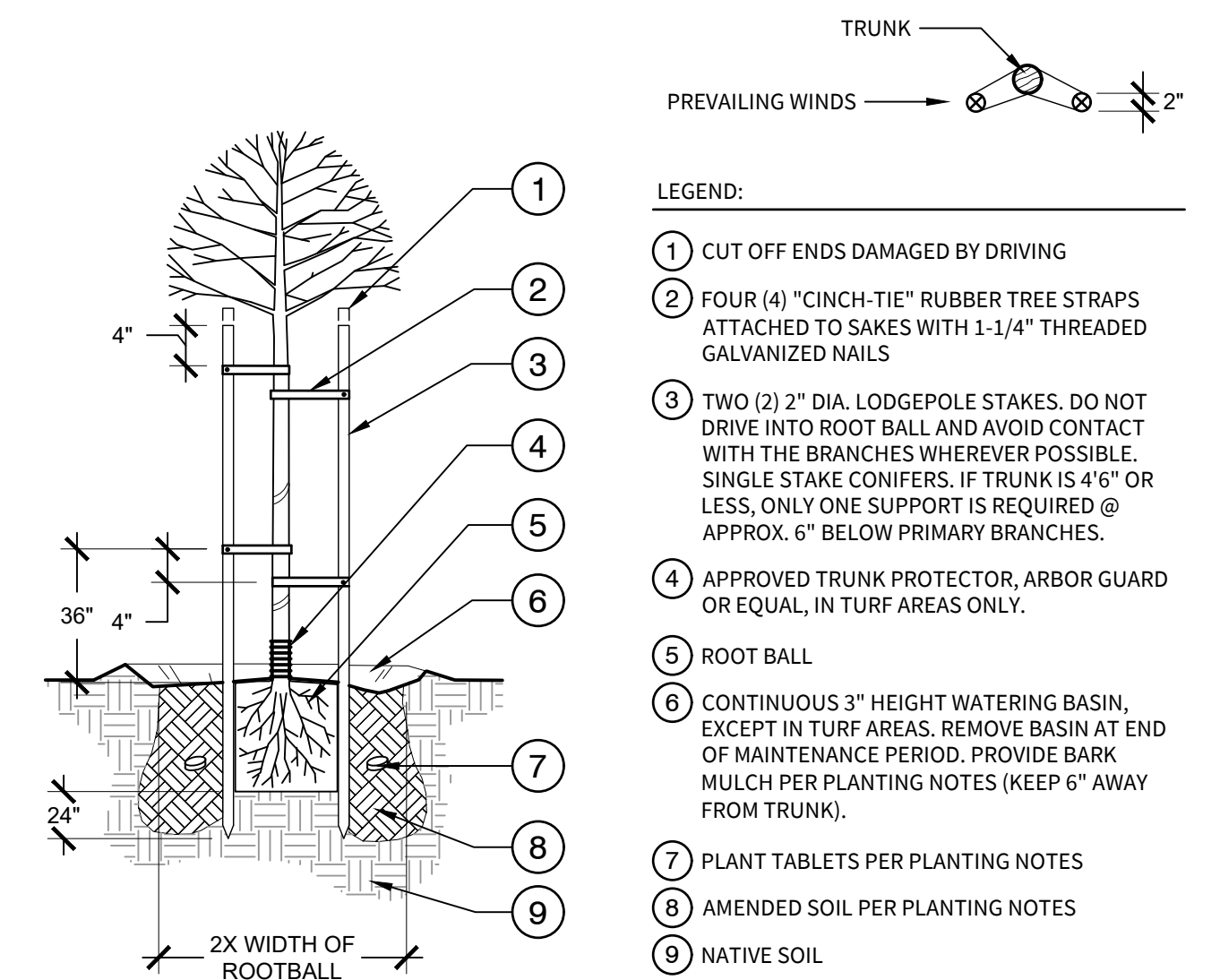
- NOTES:
- BOULDERS SHALL BE BURIED TO A DEPTH OF APPROX. 1/2 INTO EXISTING GROUND.
 - BOULDERS TO BE CLEAN OF SOIL AND DEBRIS.
 - SEE PLANS FOR BOULDER SIZE, TYPE AND LOCATIONS.
 - FINAL LOCATIONS AND PLACEMENT TBD IN-FIELD BY LANDSCAPE ARCHITECT.

E BOULDER DETAIL
1/2" = 1'-0" C-23037-07



- LEGEND:
- SHRUB PLANT MATERIAL. SEE PLANTING PLAN AND LEGEND
 - MINIMUM 2"-3" HIGH WATER BASIN.
 - TOP DRESSING PER PLANTING NOTES
 - FERTILIZER PLANT TABLETS PER PLANTING NOTES.
 - AMENDED SOIL PER PLANTING NOTES.
 - SHRUB ROOTBALL, AT OR ABOVE FINISH GRADE.
 - NATIVE SOIL (OR APPROVED IMPORT).

C SHRUB PLANTING (2X DIAMETER)
NOT TO SCALE C-23037-01



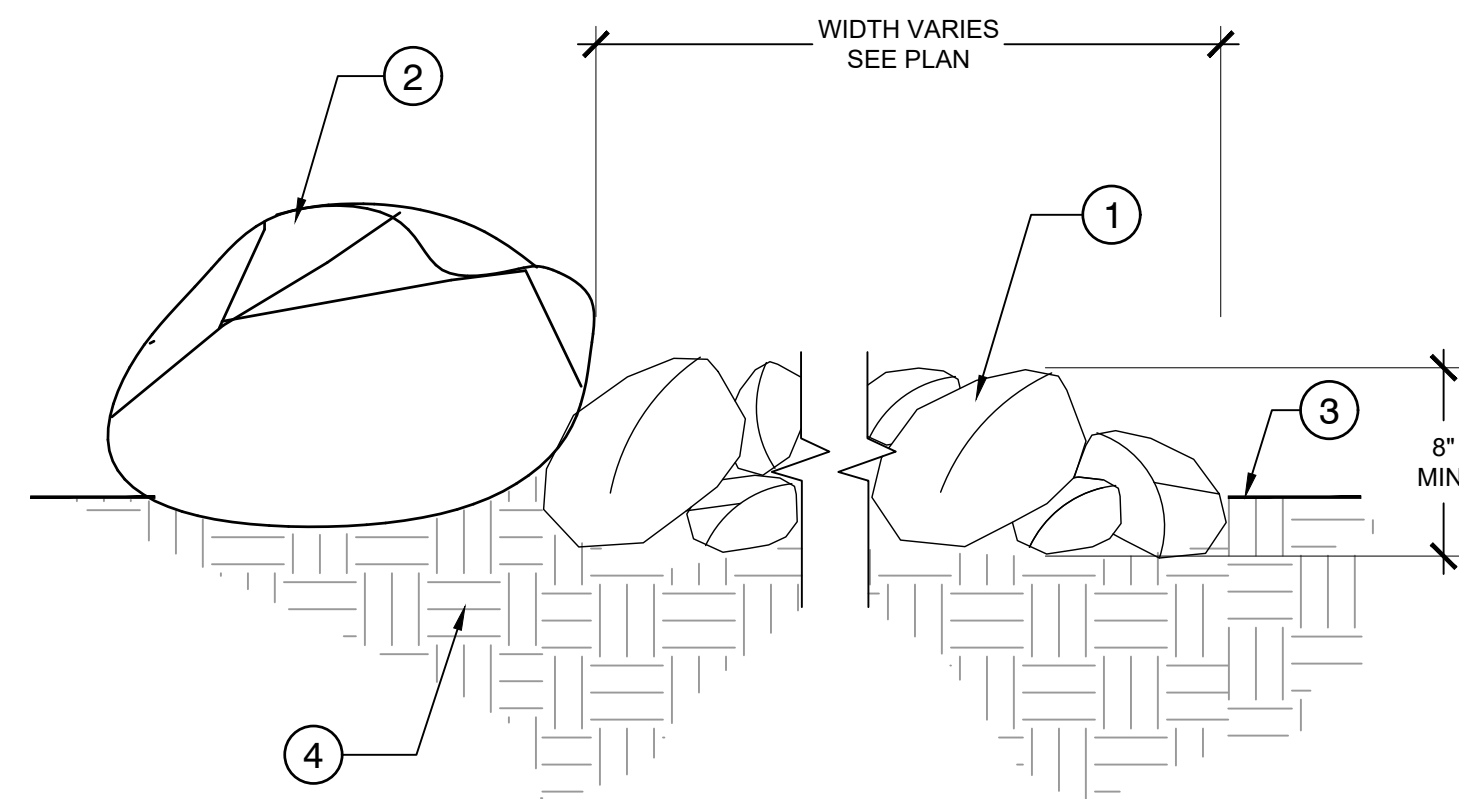
- LEGEND:
- CUT OFF ENDS DAMAGED BY DRIVING
 - FOUR (4) "CINCH-TIE" RUBBER TREE STRAPS ATTACHED TO SAKES WITH 1-1/4" THREADED GALVANIZED NAILS
 - TWO (2) 2" DIA. LODGEPOLE STAKES. DO NOT DRIVE INTO ROOT BALL AND AVOID CONTACT WITH THE BRANCHES WHEREVER POSSIBLE. SINGLE STAKE CONIFERS. IF TRUNK IS 4\"/>
 - APPROVED TRUNK PROTECTOR, ARBOR GUARD OR EQUAL, IN TURF AREAS ONLY.
 - ROOT BALL
 - CONTINUOUS 3" HEIGHT WATERING BASIN, EXCEPT IN TURF AREAS. REMOVE BASIN AT END OF MAINTENANCE PERIOD. PROVIDE BARK MULCH PER PLANTING NOTES (KEEP 6" AWAY FROM TRUNK).
 - PLANT TABLETS PER PLANTING NOTES
 - AMENDED SOIL PER PLANTING NOTES
 - NATIVE SOIL

A TREE STAKING - 2 STAKES, TYP.
3/4" = 1'-0" C-23037-10



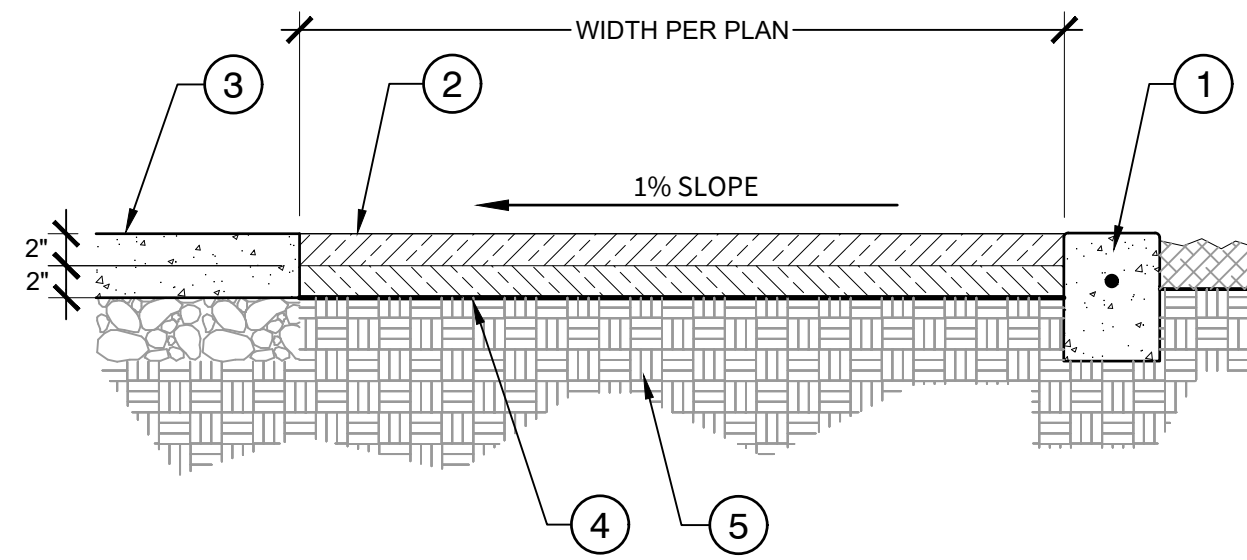
98" H x 54" W x 34"D

G JOSHUA TREE SCULPTURE
N.T.S.



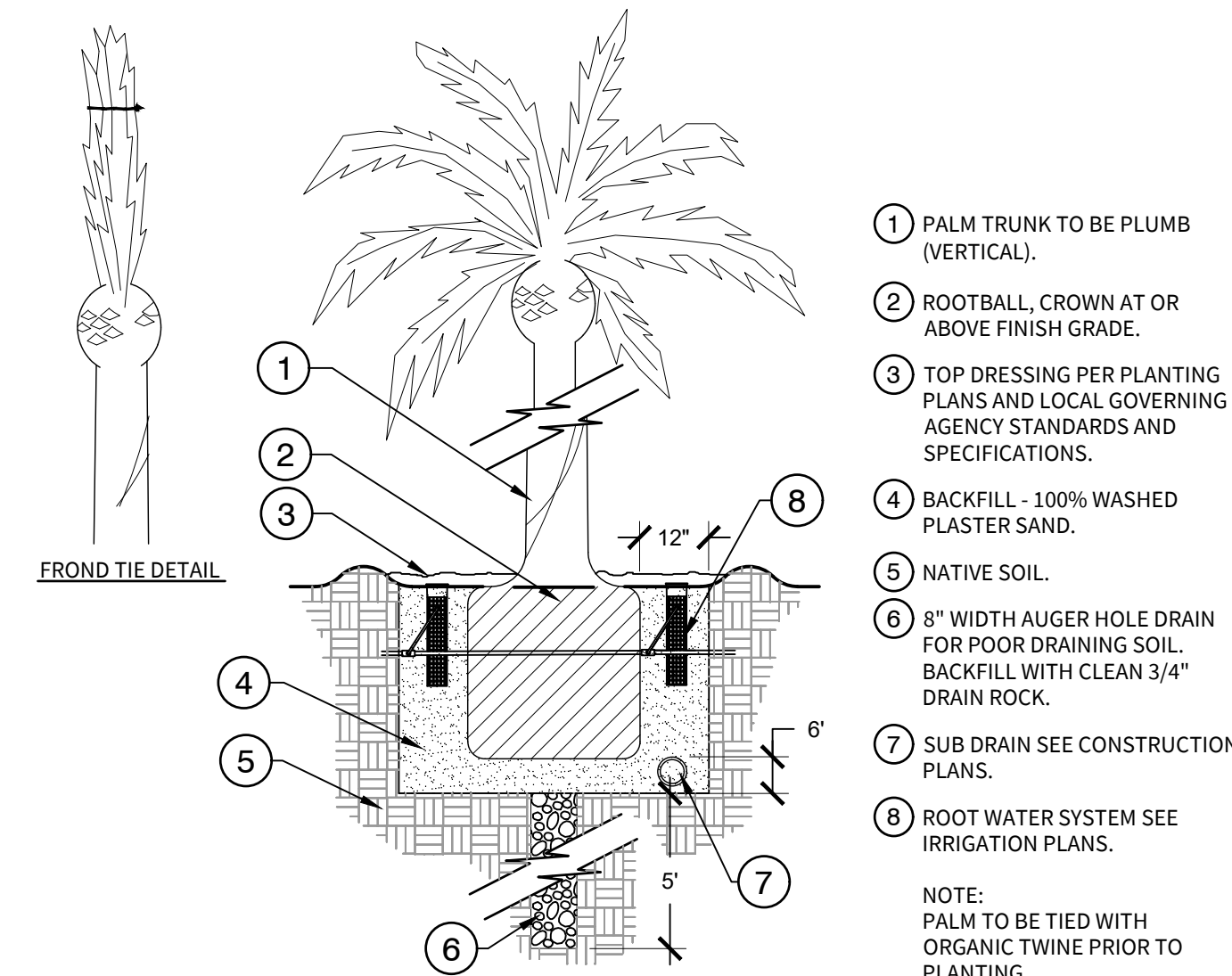
- COBBLE OF VARIOUS SIZES (APPROX 6"-8").
- BOULDER, SIZE VARIES. SEE PLAN FR APPROXIMATE SIZES AND LOCATIONS, PLACED PER BOULDER DETAIL.
- FINISH GRADE.
- COMPACTED SUBGRADE.

F COBBLE SURFACING
1 1/2" = 1'-0" C-23037-08



- CONCRETE CURB.
 - CRUSHED STONE TOP DRESSING - 3" LAYER AVAILABLE FROM SOUTHWEST BOULDER & STONE 760-342-5522
 - ADJACENT CONCRETE FLATWORK.
 - PLACE SOIL SEPARATOR GEOTEXTILE SUPAC 4NP ON SUBGRADE.
 - SUBGRADE COMPACTED TO 90%.
- PLANTING AREAS:
COLOR: CALIFORNIA GOLD
SIZE: DECOMPOSED GRANITE
MEDIANS:
COLOR: INDIGO BASALT
SIZE: 3/4"

D CRUSHED STONE TOP DRESSING
1" = 1'-0" C-23037-04



- PALM TRUNK TO BE PLUMB (VERTICAL).
- ROOTBALL, CROWN AT OR ABOVE FINISH GRADE.
- TOP DRESSING PER PLANTING PLANS AND LOCAL GOVERNING AGENCY STANDARDS AND SPECIFICATIONS.
- BACKFILL - 100% WASHED PLASTER SAND.
- NATIVE SOIL.
- 8" WIDTH AUGER HOLE DRAIN FOR POOR DRAINING SOIL. BACKFILL WITH CLEAN 3/4" DRAIN ROCK.
- SUB DRAIN SEE CONSTRUCTION PLANS.
- ROOT WATER SYSTEM SEE IRRIGATION PLANS.

NOTE: PALM TO BE TIED WITH ORGANIC TWINE PRIOR TO PLANTING.

B PALM TREE PLANTING
N.T.S. C-23037-02



Know what's below.
Call before you dig.

DATE	BY	MARK	REVISIONS	APPR. DATE
7/7/18	S.B.		REVISED EARTHWORK QUANTITIES	

DESIGNED BY	DRAWN BY	CHECKED BY



DESIGNED BY
Kevin C. Leamy
Kevin C. Leamy
Vice President
RLA 4965

12/13/2023
DATE

FUHRMAN LEAMY LAND GROUP
DESIGN • SERVICE • SOLUTIONS
2140 PROFESSIONAL DRIVE, SUITE 115 ROSEVILLE, CA 95661
(916) 783-5263 info@fllandgroup.com



CITY OF COACHELLA

RECOMMENDED FOR APPROVAL:
Steven Nix
TKE ENGINEERING
DATE: 01/09/24

APPROVED FOR CONSTRUCTION:
Andrew Simmons
ANDREW R. SIMMONS, R.C.E. NO. 72868
DATE: 01/11/2024

DESIGNED BY: KCL	In the City of Coachella Street Improvement Plan Portion of Dillon Road Dillon Road, Coachella, CA. 92236 FOR 29 Palms Band of Mission Indians	SHEET NO. 22
DRAFTED BY: KCL		OF 22 SHTS.
CHECKED BY: KCL		DWG NO. LP-2.0
BENCHMARK: SEE ABOVE		JOB NO. JVE:23037
		LAYOUT: ST01