

**GENERAL NOTES**

- WORK SHALL CONFORM TO THE CITY OF PLACENTIA STANDARD PLANS AND THE APWA STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK, CURRENT EDITION), THE STANDARD PLANS AND SPECIFICATIONS SHALL BE CONSIDERED A PART OF THE IMPROVEMENT PLANS AND CONTRACTORS SHALL HAVE THEM ON THE JOB SITE AT THE TIME OF CONSTRUCTION.
- CONTRACTORS AND SUBCONTRACTORS SHALL OBTAIN APPROPRIATE PERMITS AND LICENSES FROM THE CITY OF PLACENTIA AND OTHER GOVERNING JURISDICTIONS PRIOR TO ANY CONSTRUCTION OR EXCAVATION IN EXISTING RIGHT-OF-WAYS OR EASEMENTS.
- THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER'S OFFICE AT LEAST ONE FULL WORKDAY PRIOR TO START OF ANY CONSTRUCTION.
- PRIOR TO ANY EXCAVATION, THE DEVELOPER IS RESPONSIBLE FOR CONTACTING ALL UTILITY AND OIL COMPANIES IN ADDITION TO THE UNDERGROUND SERVICES ALERT (1-800-422-4133) AT LEAST 48 HOURS IN ADVANCE OF ANY WORK TO BE PERFORMED.
- THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS, BUT NO GUARANTEE IS MADE THAT ALL SUBSTRUCTURES ARE SHOWN OR THAT THE LOCATIONS SHOWN ARE EXACT. THE CONTRACTOR SHALL TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ALL UTILITY LINES INCLUDING THOSE NOT OF RECORD OR NOT SHOWN.
- ALL UTILITIES SHALL BE INSTALLED PER PERMITS ISSUED FOR SUCH WORK. AS-BUILT PLANS SHALL BE SUBMITTED TO THE CITY ENGINEER'S OFFICE UPON COMPLETION OF WORK.
- COMPACTION TESTS ARE REQUIRED ON ALL STREETS AND TRENCH CONSTRUCTION (SUBGRADE 90% AND SUB-BASE 95% RELATIVE COMPACTION).
- UTILITY TRENCH BACKFILL COMPACTION SHALL BE VERIFIED PRIOR TO STREET PAVING.
- STREET STRUCTURAL SECTIONS SHALL BE DETERMINED BY "R" VALUES PROVIDED BY THE SUB-DIVIDER'S SOILS ENGINEER AFTER ROUGH GRADING STRUCTURAL SECTIONS WILL BE COMPUTED BY THE CITY ENGINEER.
- PRIME COAT SC-70 SHALL BE APPLIED APPROXIMATELY 12 HOURS PRIOR TO ASPHALT PAVING OPERATIONS.
- SEAL COAT SS-1 SHALL BE APPLIED TO FINISH ASPHALT SURFACE. APPLICATIONS TO BE A RATE OF 0.10 GALLONS PER SQUARE YARD. SEAL COAT WILL BE APPLIED AT SUCH TIME AS DETERMINED BY THE CITY ENGINEER.
- CONCRETE SHALL BE A MINIMUM 5-1/2 SACK MIX UNLESS OTHERWISE NOTED IN APPROVED PLANS OR SPECIFICATIONS.
- ELEVATIONS SHALL BE BASED ON ORANGE COUNTY SURVEYOR'S BENCHMARKS.
- MONUMENTS SHALL BE SET AND TIES SUBMITTED TO THE CITY ENGINEER'S OFFICE PRIOR TO ACCEPTANCE OF IMPROVEMENTS. TIES AND NOTES SHALL BE LINKED ON ORANGE COUNTY SURVEY PAPER.
- TRAFFIC CONTROL AND SAFETY SHALL BE MAINTAINED PER "STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, MANUAL OF WARNING SIGNS, LIGHTS, AND DEVICES FOR USE IN WORK ON HIGHWAYS." BARRICADES, WARNING SIGNS, TRAFFIC SIGNS, OR OTHER TRAFFIC CONTROL DEVICES WILL NOT BE REMOVED OR RELOCATED WITHOUT THE APPROVAL OF THE CITY ENGINEER OR HIS REPRESENTATIVE. THE CONTRACTOR WILL NOTIFY THE CITY INSPECTOR IN ADVANCE OF WHEN SUCH REMOVAL OR RELOCATION WILL TAKE PLACE. APPROPRIATE TEMPORARY, BARRICADES, SIGNS, ETC WILL BE INSTALLED TO THE SATISFACTION OF THE CITY ENGINEER.
- ALL SURVEY MONUMENTS SHALL BE PROTECTED AND PERPETUATED IN PLACE. ANY DISTURBED OR COVERED MONUMENTS SHALL BE RESET BY THE REGISTERED LICENSED CIVIL ENGINEER AT THE DIRECTION OF THE CITY ENGINEER.
- APPLICANT/CONTRACTOR MUST HIRE A CASp CONSULTANT TO CERTIFY ALL ADA IMPROVEMENTS, PER THE LATEST ADA/CALIFORNIA BUILDING CODE REQUIREMENTS FOR DESIGN, CONSTRUCTION AND OBTAIN A FINAL CASp CERTIFICATION FOR ALL ADA RAMPS AND PATHWAYS WITHIN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL LOCATE AND EXPOSE ALL UTILITY CROSSING AND TAKE ALL PRECAUTIONS TO PROTECT THEM WHETHER THEY ARE SHOWN ON PLANS OR NOT.
- CONTRACTOR IS REQUIRED TO SUBMIT MIX DESIGN AND MATERIAL SUBMITTALS TO THE CITY OF PLACENTIA BEFORE THE MATERIAL IS INSTALL IN PUBLIC RIGHT OF WAY.

**CONSTRUCTION NOTES:**

- |    |   |    |   |
|----|---|----|---|
| 1  | CONSTRUCT ASPHALT CONCRETE TRAIL (CLASS I) OVER NATIVE SOIL   | 23 | INSTALL M4-14 BEGIN SIGN AND POST PER CAMUTCD STANDARDS   |
| 2  | REMOVE AND CONSTRUCT 4" PCC SIDEWALK PER OCPW STD PLAN 1204 & 1205  | 24 | INSTALL M6-3 BIKE ROUTE AHEAD SIGN AND POST PER CAMUTCD STANDARDS   |
| 3  | REMOVE AND CONSTRUCT DRIVEWAY OCPW STD PLAN 1209  | 25 | INSTALL D1-1C RIGHT WAYFINDING SIGN AND POST PER CA MUTCD STANDARDS   |
| 4  | REMOVE AND CONSTRUCT MODIFIED CURB RAMP PER CALTRANS REVISED STANDARD PLAN A88A   | 26 | INSTALL M4-6 END SIGN AND POST PER CAMUTCD STANDARDS  |
| 5  | INSTALL BLACK VINYL DRIPPED WALK AND DRIVE GATES PER SPPWC STD PLAN 600-3 SUPPLEMENTED WITH OCPW STD PLAN 600-3-OC  | 27 | INSTALL 6" WHITE THERMOPLASTIC EDGE LINE PER CALTRANS STANDARD PLANS A20B-DETAIL 27B                                  |
| 6  | INSTALL 4" WHITE EDGE LINE PER CALTRANS REVISED STD PLAN RSP A20B, DETAIL 27B   | 28 | REMOVE AND REPLACE EXISTING TWO WAY LEFT TURN LANE STRIPING PER CAL TRANS STAND PLANS A20B DETAIL 31                  |
| 7  | INSTALL SHARED USE PATH CENTERLINE STRIPING   | 29 | REMOVE EXISTING WHITE EDGE LINE   |
| 8  | INSTALL CONTINENTAL CROSSWALK PER OCPW STD PLAN 1416  | 30 | PROTECT EXISTING DRAINAGE IN PLACE, EXTEND CULVERT TO ACCOMMODATE CURB EXTENSION AND RELOCATE ALL UTILITIES AS NEEDED |
| 9  | INSTALL "SHARE PATH" PAVEMENT MARKINGS  | 31 | CONSTRUCT CURB AND GUTTER PER CAL TRANS STANDARD PLANS A87A   |
| 10 | PROTECT EXISTING IMPROVEMENTS IN PLACE.   | 32 | INSTALL STOP BAR PER CALTRANS STD PLANS A24E  |
| 11 | INSTALL 6" DOUBLE YELLOW CENTERLINE PER CALTRANS STD PLAN A20A, DETAIL 21   | 33 | INSTALL "STOP" TRAFFIC MARKING PER CALTRANS STANDARD PLANS A24D   |
| 12 | INSTALL BIKE LANE SYMBOL PER CALTRANS STD PLAN A24C   |    |   |
| 13 | INSTALL 6" SOLID WHITE BIKE LANE STRIPING PER CALTRANS STANDARD PLAN A20D, DETAIL 39  |    |   |
| 14 | PROTECT EXISTING FENCE IN PLACE. IF REPLACEMENT IS NEEDED INSTALL BLACK VINYL DRIPPED FENCE PER SPPWC STD PLAN 600-3 SUPPLEMENTED WITH OCPW STD PLAN 600-3-OC |    |   |
| 15 | INSTALL D11-1 BIKE ROUTE SIGN AND POST PER CA MUTCD STANDARDS   |    |   |
| 16 | INSTALL M6-1R BIKE ROUTE TURN SIGN AND POST PER CA MUTCD STANDARDS  |    |   |
| 17 | INSTALL M6-1L BIKE ROUTE TURN SIGN AND POST PER CA MUTCD STANDARDS  |    |   |
| 18 | INSTALL M5-1L BIKE ROUTE TURN SIGN AND POST PER CA MUTCD STANDARDS  |    |   |
| 19 | INSTALL R9-6 YIELD TO PEDESTRIANS SIGN AND POST PER CA MUTCD STANDARDS  |    |   |
| 20 | ADD D10-1A MILE MARKER SIGN PER CA MUTCD STANDARDS  |    |   |
| 21 | INSTALL RRFB SIGNAL, W11-15 AND W11-15P PEDESTRIAN/BIKE TRAIL XING SIGNS AND POST, AND W16-7P DIAGONAL ARROW SIGN AND POST PER CA MUTCD STANDARDS             |    |   |
| 22 | INSTALL REMOVABLE BOLLARD WITH LOCKING CHAIN  |    |   |

DRAFT CONCEPT PLANS  
NOT FOR CONSTRUCTION

# TRAIL IMPROVEMENT PLANS FOR ATWOOD MULTI-PURPOSE RECREATION TRAIL CITY OF PLACENTIA



## PROJECT AREA MAP

**LEGEND:**

**SYMBOLS:**

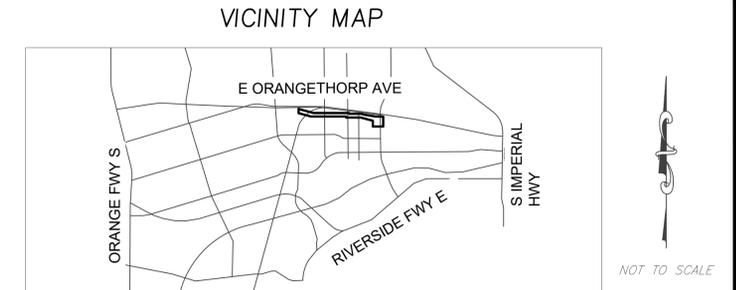
- FUTURE ATWOOD MULTIPURPOSE TRAIL EXTENSION / PROPOSED AC
- ATWOOD MULTIPURPOSE TRAIL/PROPOSED AC
- PCC SIDEWALK / DRIVEWAY/ CURB RAMPS
- TREES, LOCATE AND PROTECT DROUGHT TOLERANT SPECIES
- LANDSCAPE / BMP
- PROPOSED DG
- PROPOSED INFILTRATION TRENCH BMP

**ABBREVIATIONS:**

A.B.	-AGGREGATE BASE	L.S.	-LANDSCAPING
A.C.	-ASPHALT CONCRETE	L.P.	-LOW POINT
ARCH.	-ARCHITECTURAL	M.H.	-MANHOLE
B.R.	-BEGIN OF CURB RETURN	N.G.	-NATURAL GAS
B.W.	-BACK OF WALK	P.V.C.	-POLYVINYLCHLORIDE
B.O.P.	-BOTTOM OF PIPE	P.P.	-POWER POLE
B.O.W.	-BOTTOM OF WALL	ε	-PROPERTY LINE
BLDG	-BUILDING	PKWY DRAIN	-PARKWAY DRAIN
C.L.F.	-CHAIN LINK FENCE	RW	-RIGHT OF WAY
C.I.P.	-CAST IRON PIPE	R	-RATE OF GRADE
C.B.	-CATCH BASIN	R.D.	-ROOF DRAIN
C/L	-CENTERLINE	R.C.P.	-REINFORCED CONCRETE PIPE
C.F.	-CURB FACE	ST. LT.	-STREET LIGHT
CONC.	-CONCRETE	S =	-SLOPE
E.C.R.	-END OF CURB RETURN	S.D.	-STORM DRAIN
(O.OO)	-EXISTING ELEVATION	S.F.	-SQUARE FEET
E.P.	-EDGE OF PAVEMENT	S.W.	-STEM WALL
EXIST.	-EXISTING	T.C.	-TOP OF CURB
F.H.	-FIRE HYDRANT	T.S.	-TOP OF CONCRETE SLAB
F.G.	-FINISH GRADE	T.O.P.	-TOP OF PIPE
F.S.	-FINISH SURFACE	T.F.	-TOP OF FOOTING
F.L.	-FLOW LINE	T.W.	-TOP OF WALL
G.B.	-GRADE BREAK	T.R.	-TOP OF RAIL
H.C.	-HANDICAP	T.G.	-TOP OF GRATE
H=	-HEIGHT OF RETAINING	TOP	-TOP OF SLOPE
H.P.	-HIGH POINT	TOE	-TOE OF SLOPE
INV.	-INVERT	T.B.	-TOP OF BERM

**SHEET INDEX**

DWG NO.	SHEET DESCRIPTION	SHT NO.
1	TITLE SHEET	T050
2	TYPICAL SECTIONS	TS01
3	PLAN AND PROFILE	C101
4	PLAN AND PROFILE	C102
5	PLAN AND PROFILE	C103
6	PLAN AND PROFILE	C104
7	PLAN AND PROFILE	C105
8	PLAN AND PROFILE	C106
9	PLAN AND PROFILE	C107
10	PLAN AND PROFILE	C108
11	PLAN AND PROFILE	C109
12	PLAN AND PROFILE	C110
13	PLAN AND PROFILE	C111
14	PLAN AND PROFILE	C112
15	DETAIL SHEET	D101



**ORANGE COUNTY SURVEYOR BENCHMARK NO.**

**SURVEY NOTE:**  
COORDINATES SHOWN ARE BASED ON THE ORANGE COUNTY HORIZONTAL CONTROL NETWORK (CCS83), ZONE VI, 1983 NAD (2017.50 EPOCH)

BEARINGS ARE BASED ON THE BEARING BETWEEN ORANGE COUNTY HORIZONTAL CONTROL POINT "GPS:5231" TO "GPS:5222" BEING N68°03'49"E

ELEVATIONS ARE BASED ON ORANGE COUNTY BENCH MARK "404-22-86", DESCRIBED AS "FOUND 3 3/4" OCS ALUMINUM BENCHMARK DISK STAMPED "404-22-86", SET IN THE NORTHERLY CORNER OF A CONCRETE HEADWALL. MONUMENT IS LOCATED IN THE NORTHEASTERLY CORNER OF THE INTERSECTION OF THE ATWOOD CHANNEL AND JEFFERSON STREET, 19 FT. EASTERLY OF THE CENTERLINE OF JEFFERSON AND 449 FT. SOUTHERLY OF THE CENTERLINE OF ORANGETHORPE AVENUE. MONUMENT IS SET LEVEL WITH THE TOP OF THE WALL." ELEV. = 241.756 FEET (NAVD 88, YEAR OF ADJUSTMENT, 2006)

**UTILITY COMPANIES      EMERGENCY NUMBERS**

AT&T	(714) 618-9141
CITY OF ANAHEIM-ELECTRIC	(714) 765-5179
CITY OF ANAHEIM-SEWER	(714) 765-5179
CITY OF PLACENTIA	(714) 993-8245
CRIMSON PIPELINE LP	(562) 595-9216
EXTENET	(630) 505-3800
GOLDEN STATE WATER	(562) 405-1582
GREKA ENERGY	(661) 428-2569
LEVEL 3 COMM LUMEN	(877) 453-8353
MCI	(949) 253-8112
METROPOLITAN WATER	(213) 217-7516
ORANGE CO SANITATION	(714) 593-7326
SO CAL GAS TRAN	(800) 427-2200
SPECTRUM	(833) 224-6603
SPRINT	(949) 842-9315
TORRANCE LOGISTICS CO PBF ENERGY	(949) 842-9315
YORBA LINDA CO WATER DIST	(855) 887-9768

PREPARED BY:



617 W 7th Street, #1103 | Los Angeles, CA 90017  
(213) 489-7443 | alta.go.com

Prepared under the supervision of

VINCENT HELLENS | PROJECT MANAGER

Drawn by: ML

Checked by: ML

Recommended

APPROVED

KYRA TAO, PE, PTP | TRANSPORTATION MANAGER

Underground Service Alert



DIAL TOLL FREE  
1-800-422-4133  
AT LEAST TWO WORKING DAYS  
BEFORE YOU DIG

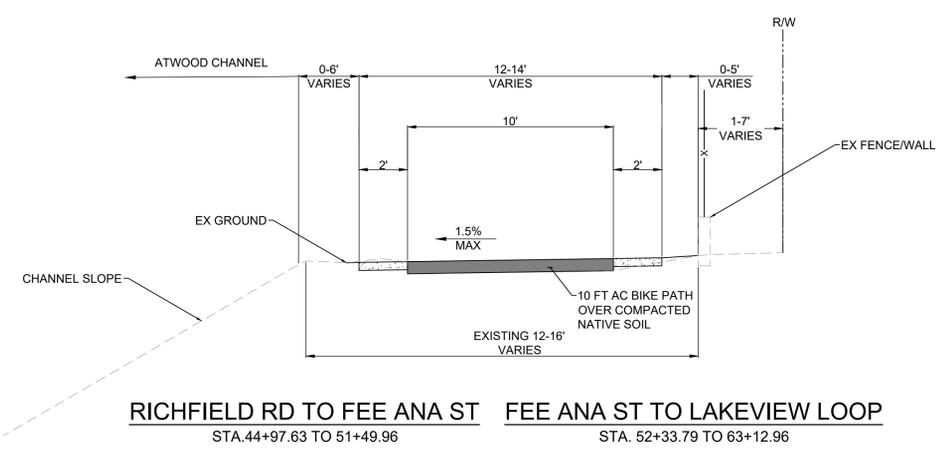
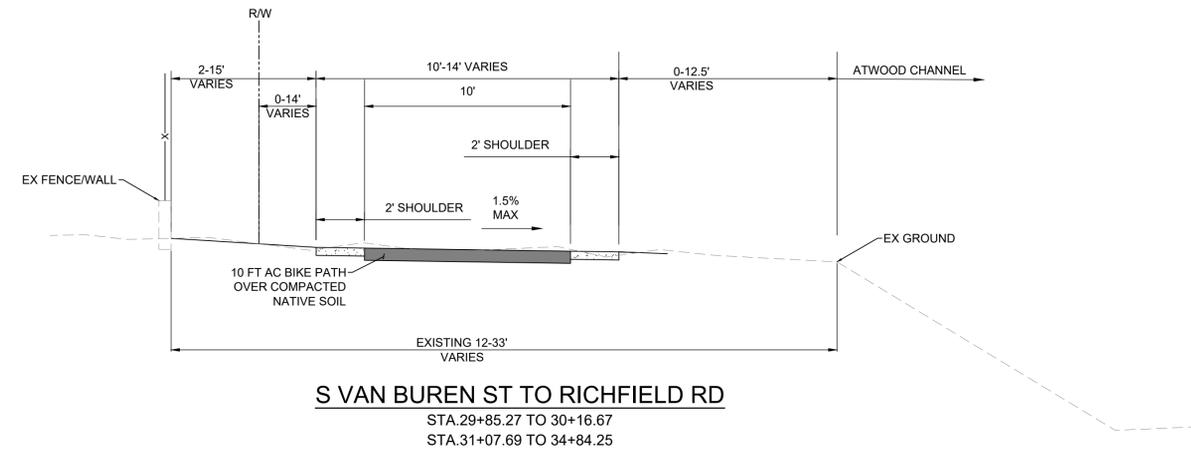
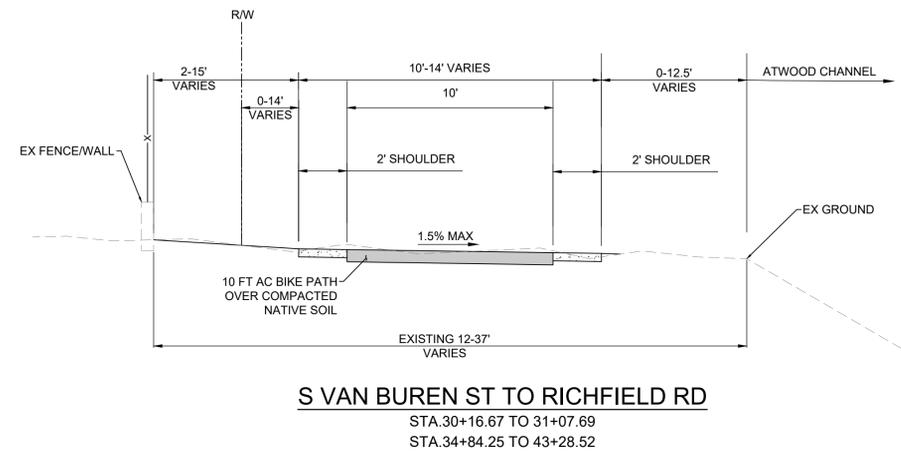
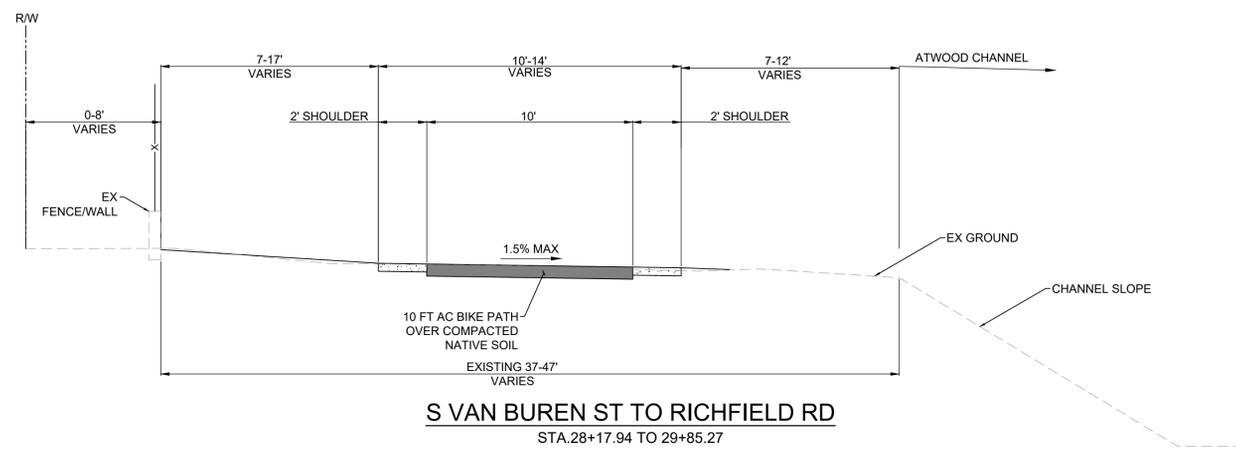
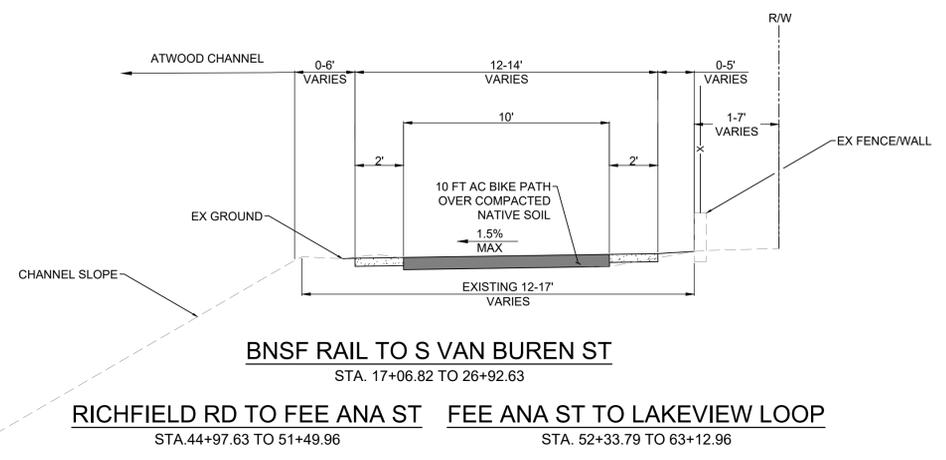
CONCEPT PLANS  
**ATWOOD MULTIPURPOSE TRAIL**  
City of Placentia  
**TITLE SHEET**  
**CITY OF PLACENTIA**

DRAWING NO.

T050

SHEET 1 OF 17

**LEGEND**  
 PROPOSED AC  
 PROPOSED DG



DRAFT CONCEPT PLANS  
 NOT FOR CONSTRUCTION

E.O.R.			REVISION		REFERENCES	
DATE	OWN BY.	NO.	DESCRIPTION	APPD DATE	BENCH MARK: (SEE AT LEFT)	STANDARD PLANS:
						UTILITY PLANS:
						SEWER PLANS:

**alta**

Drawn by: EM/ML  
 Checked by: VH  
 Recommended  
 APPROVED

CONCEPT PLANS  
 Atwood Multipurpose Trail  
 City of Placentia  
 PLAN AND PROFILE  
 CITY OF PLACENTIA

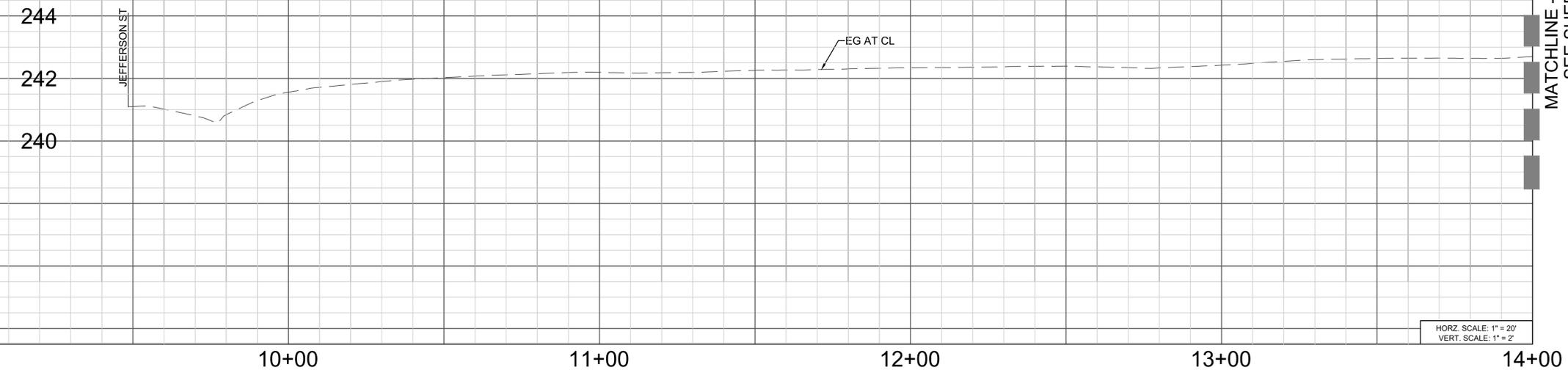
DRAWING NO.  
 TS01  
 SHEET 2 OF 17

N:\Shared\PROJECTS\2021\00-2021-133 Placentia CA Atwood Multipurpose Trail\CAD\01\_Plans\2021-133\_TS01.dwg

### CONSTRUCTION NOTES

- 1 CONSTRUCT ASPHALT CONCRETE TRAIL (CLASS I) OVER NATIVE SOIL
- 2 REMOVE AND CONSTRUCT 4" PCC SIDEWALK PER OCPW STD PLAN 1204 & 1205
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- 20 ADD D10-1A MILE MARKER SIGN PER CA MUTCD STANDARDS
- 22 INSTALL REMOVABLE BOLLARD WITH LOCKING CHAIN

LINE / CURVE TABLE				
#	RADIUS	LENGTH	DELTA/BRG	TANGENT
L1	-	173.07'	S78° 17' 39.60"E	-
C1	2507.00'	84.82'	1° 56' 19"	42.41'
L2	-	100.79'	S76° 21' 20.98"E	-
C2	1007.00'	147.95'	8° 25' 04"	74.11'



### LEGEND

- FUTURE ATWOOD MULTIPURPOSE TRAIL EXTENSION / PROPOSED AC
- PCC SIDEWALK / DRIVEWAY / CURB RAMPS

### CONSTRUCTION NOTES CONT

- 26 INSTALL M4-6 END SIGN AND POST PER CAMUTCD STANDARDS
- 27 INSTALL 6" WHITE THERMOPLASTIC EDGE LINE PER CALTRANS STANDARD PLANS A20B-DETAIL 27B
- 28 REMOVE AND REPLACE EXISTING TWO WAY LEFT TURN LANE STRIPING PER CAL TRANS STAND PLANS A20B DETAIL 31
- 31 CONSTRUCT CURB AND GUTTER PER CAL TRANS STANDARD PLANS A87A

GENERAL NOTE: CONTRACTOR SHALL PROVIDE ADDITIONAL FALL PROTECTION AROUND EACH TRANSITION STRUCTURE IN KIND.



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1-800-422-4133  
AT LEAST TWO WORKING DAYS  
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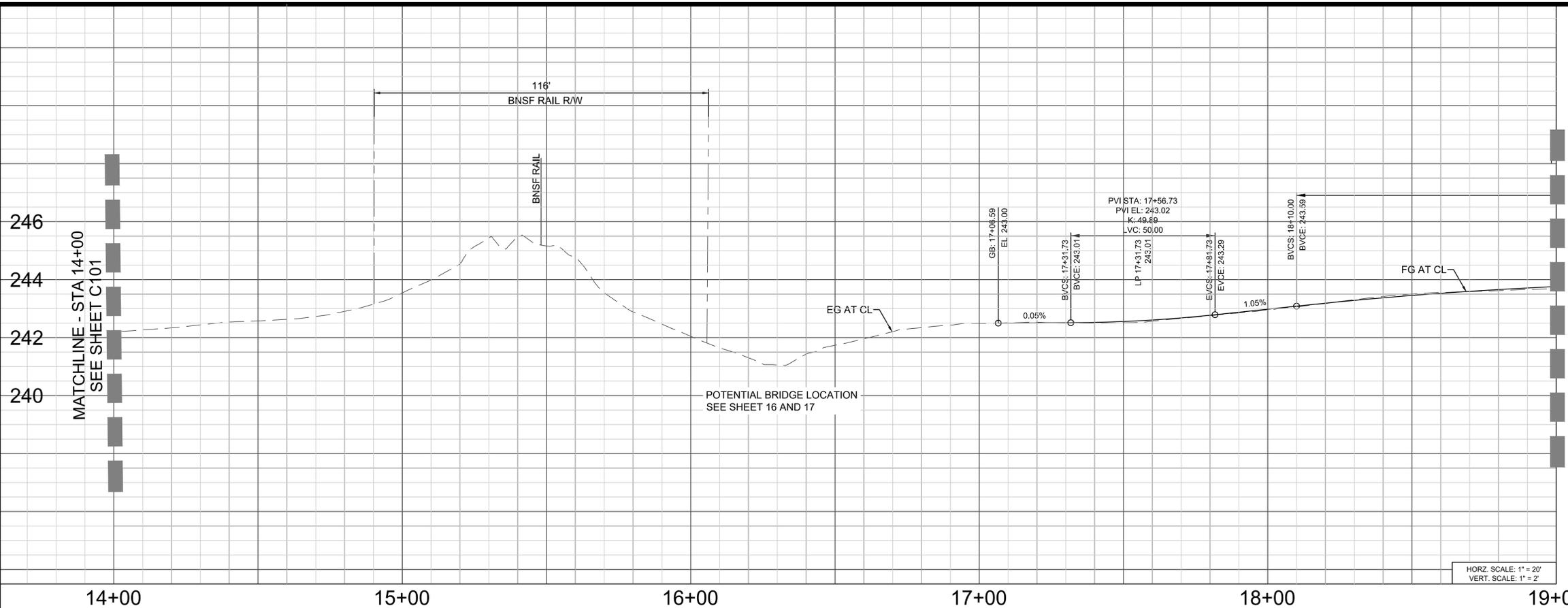
REVISION		REFERENCES	
DATE	DESCRIPTION	STANDARD PLANS:	UTILITY PLANS:

**alta**

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Checked by: VH  
Recommended  
APPROVED

CONCEPT PLANS  
**Atwood Multipurpose Trail**  
City of Placentia  
**PLAN AND PROFILE**  
CITY OF PLACENTIA

DRAWING NO.  
**C101**  
SHEET 3 OF 17



**CONSTRUCTION NOTES**

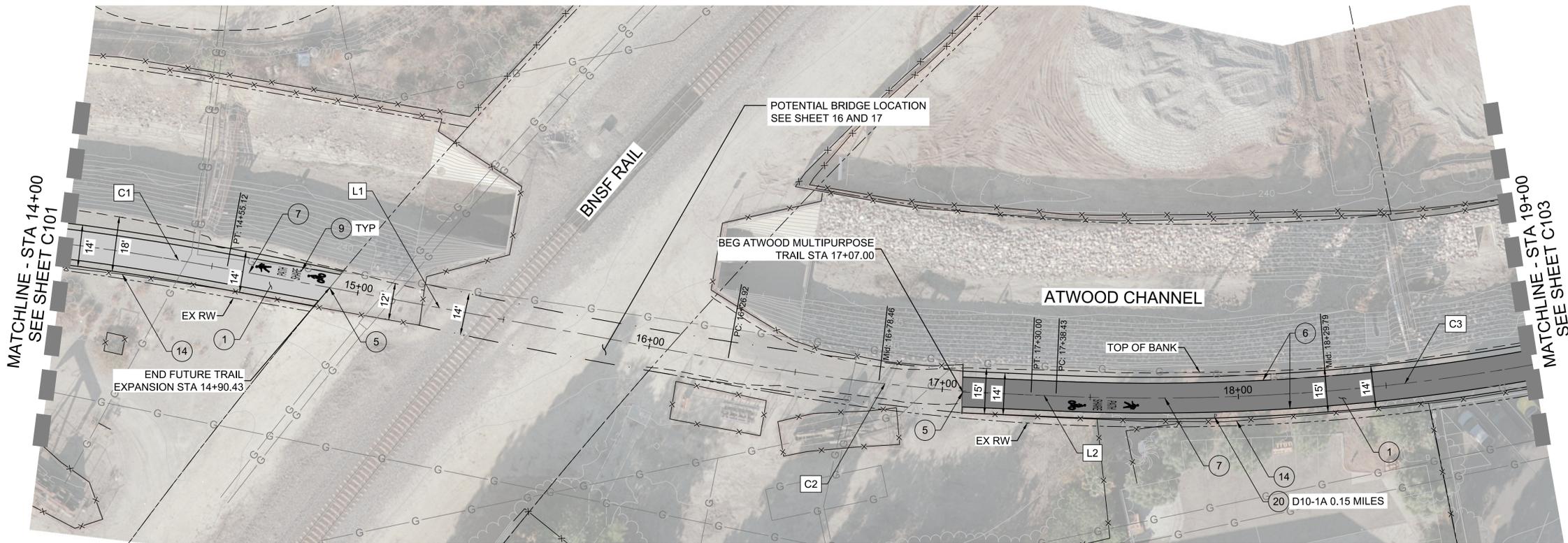
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- 20 ADD D10-1A MILE MARKER SIGN PER CA MUTCD STANDARDS

**LEGEND**

- FUTURE ATWOOD MULTIPURPOSE TRAIL EXTENSION / PROPOSED AC
- ATWOOD MULTIPURPOSE TRAIL / PROPOSED AC

HORZ. SCALE: 1" = 20'  
VERT. SCALE: 1" = 2'

#	RADIUS	LENGTH	DELTA/BRG	TANGENT
C1	1007.00'	147.95'	8° 25' 04"	74.11'
L1	-	171.80'	S67° 56' 17.03"E	-
C2	750.00'	103.08'	7° 52' 28"	51.62'
L2	-	8.43'	S75° 48' 45.43"E	-
C3	743.00'	182.73'	14° 05' 28"	91.83'



GENERAL NOTE: CONTRACTOR SHALL PROVIDE ADDITIONAL FALL PROTECTION AROUND EACH TRANSITION STRUCTURE IN KIND.



DRAFT CONCEPT PLANS  
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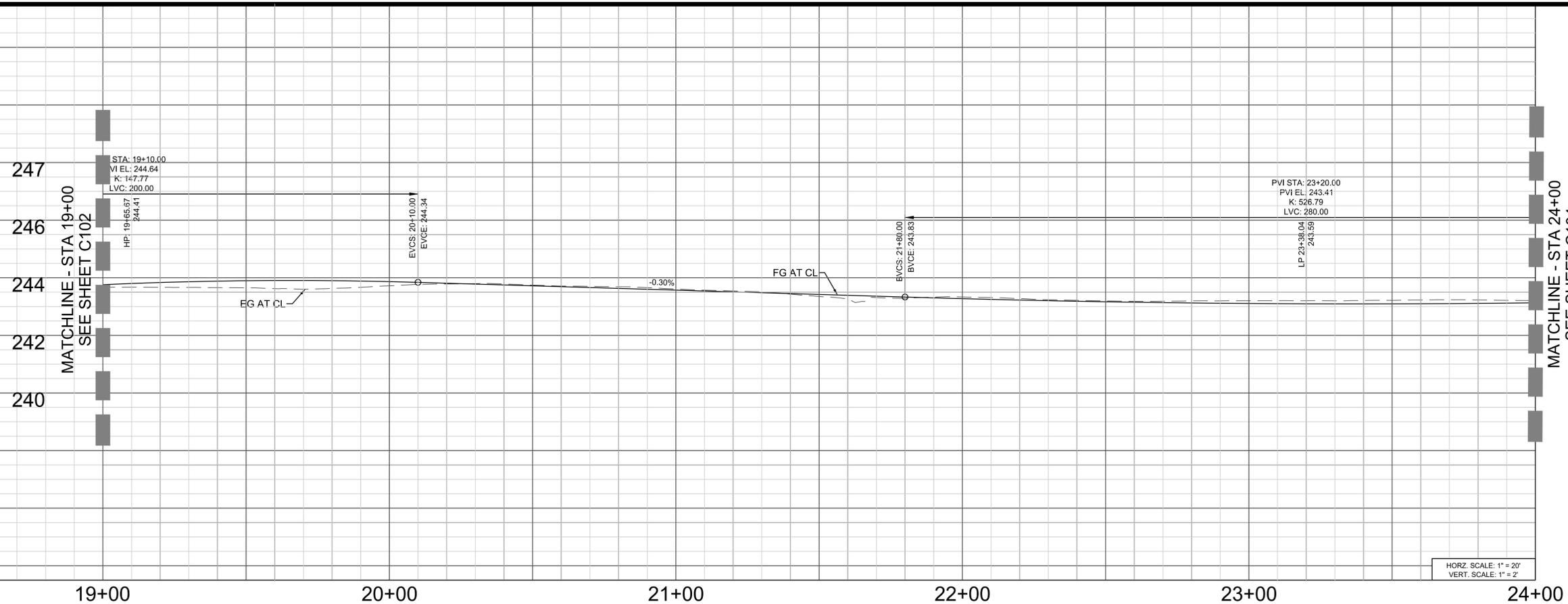
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REFERENCES
STANDARD PLANS:
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 Checked by: VH  
 Recommended  
 APPROVED

CONCEPT PLANS  
**Atwood Multipurpose Trail**  
 City of Placentia  
**PLAN AND PROFILE**  
 CITY OF PLACENTIA

DRAWING NO.  
**C102**  
 SHEET **4** OF **17**



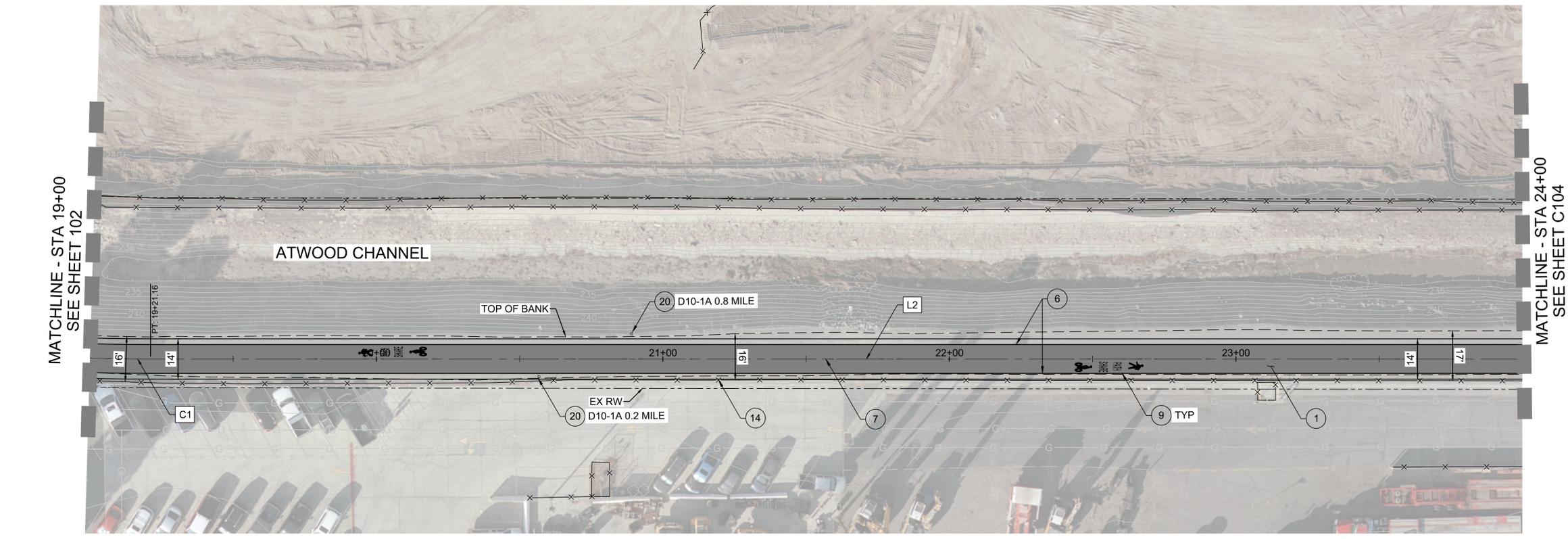
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**LEGEND**

■ ATWOOD MULTIPURPOSE TRAIL / PROPOSED AC

HORZ. SCALE: 1" = 20'  
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LINE / CURVE TABLE				
#	RADIUS	LENGTH	DELTA/BRG	TANGENT
C1	743.00'	182.73'	14° 05' 28"	91.83'
L2	-	759.76'	S89° 54' 13.08"E	-

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NOT FOR CONSTRUCTION

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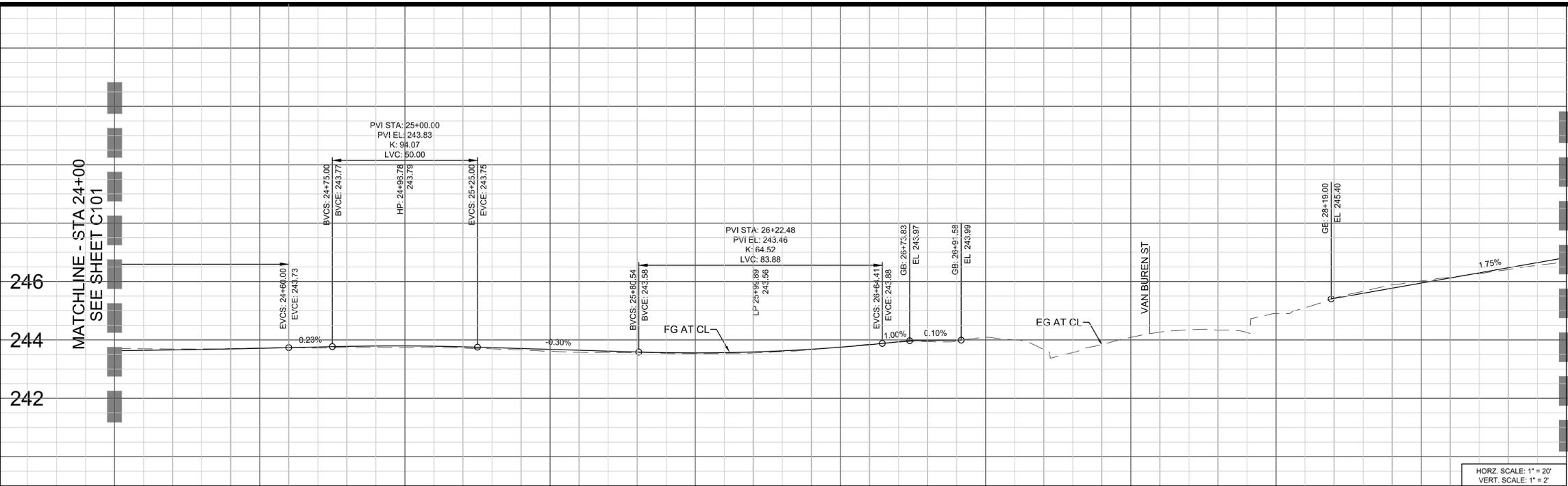
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CONCEPT PLANS  
**Atwood Multipurpose Trail**  
City of Placentia  
**PLAN AND PROFILE**  
CITY OF PLACENTIA

DRAWING NO.  
**C103**  
SHEET 5 OF 17

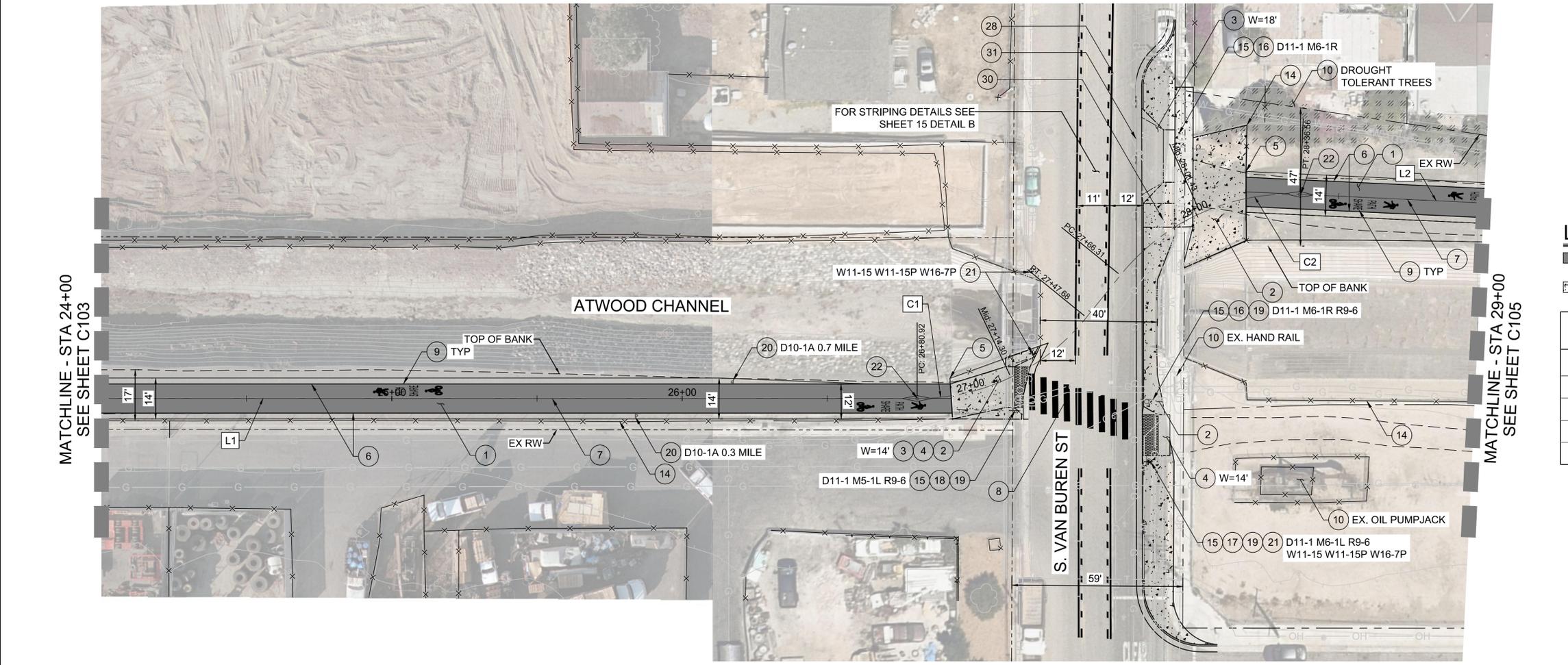


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- 8 INSTALL CONTINENTAL CROSSWALK PER OCPW STD PLAN 1416
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- 10 PROTECT EXISTING IMPROVEMENTS IN PLACE.
- 14 PROTECT EXISTING FENCE IN PLACE. IF REPLACEMENT IS NEEDED INSTALL BLACK VINYL DRIPPED FENCE PER SPPWC STD PLAN 600-3 SUPPLEMENTED WITH OCPW STD PLAN 600-3-OC
- 15 INSTALL D11-1 BIKE ROUTE SIGN AND POST PER CA MUTCD STANDARDS
- 16 INSTALL M6-1R BIKE ROUTE TURN SIGN AND POST PER CA MUTCD STANDARDS
- 17 INSTALL M6-1L BIKE ROUTE TURN SIGN AND POST PER CA MUTCD STANDARDS
- 19 INSTALL R9-6 YIELD TO PEDESTRIANS SIGN AND POST PER CA MUTCD STANDARDS
- 20 ADD D10-1A MILE MARKER SIGN PER CA MUTCD STANDARDS
- 21 INSTALL RRFB SIGNAL, W11-15 AND W11-15P PEDESTRIAN/BIKE TRAIL XING SIGNS AND POST, AND W16-7P DIAGONAL ARROW SIGN AND POST PER CA MUTCD STANDARDS
- 22 INSTALL REMOVABLE BOLLARD WITH LOCKING CHAIN REMOVE AND REPLACE EXISTING TWO WAY LEFT TURN LANE STRIPING PER CAL TRANS STAND PLANS A20B DETAIL 31
- 30 PROTECT EXISTING DRAINAGE IN PLACE, EXTEND CULVERT TO ACCOMMODATE CURB EXTENSION AND RELOCATE ALL UTILITIES AS NEEDED
- 31 CONSTRUCT CURB AND GUTTER PER CAL TRANS STANDARD PLANS A87A
- 32 INSTALL STOP BAR PER CALTRANS STD PLANS A24E

24+00 25+00 26+00 27+00 28+00 29+00

HORZ. SCALE: 1" = 20'  
VERT. SCALE: 1" = 2'



**LEGEND**

- ATWOOD MULTIPURPOSE TRAIL / PROPOSED AC
- TREES, LOCATE AND PROTECT DROUGHT TOLERANT SPECIES
- PCC SIDEWALK / DRIVEWAY / CURB RAMPS
- LANDSCAPE / BMP

**LINE / CURVE TABLE**

#	RADIUS	LENGTH	DELTA/BRG	TANGENT
L1	-	759.76'	S89° 54' 13.08"E	-
C1	75.00'	66.76'	51° 00' 05"	35.77'
C2	75.00'	70.26'	53° 40' 19"	37.94'
L2	-	197.21'	S87° 13' 58.87"E	-

GENERAL NOTE: CONTRACTOR SHALL PROVIDE ADDITIONAL FALL PROTECTION AROUND EACH TRANSITION STRUCTURE IN KIND.



DRAFT CONCEPT PLANS NOT FOR CONSTRUCTION

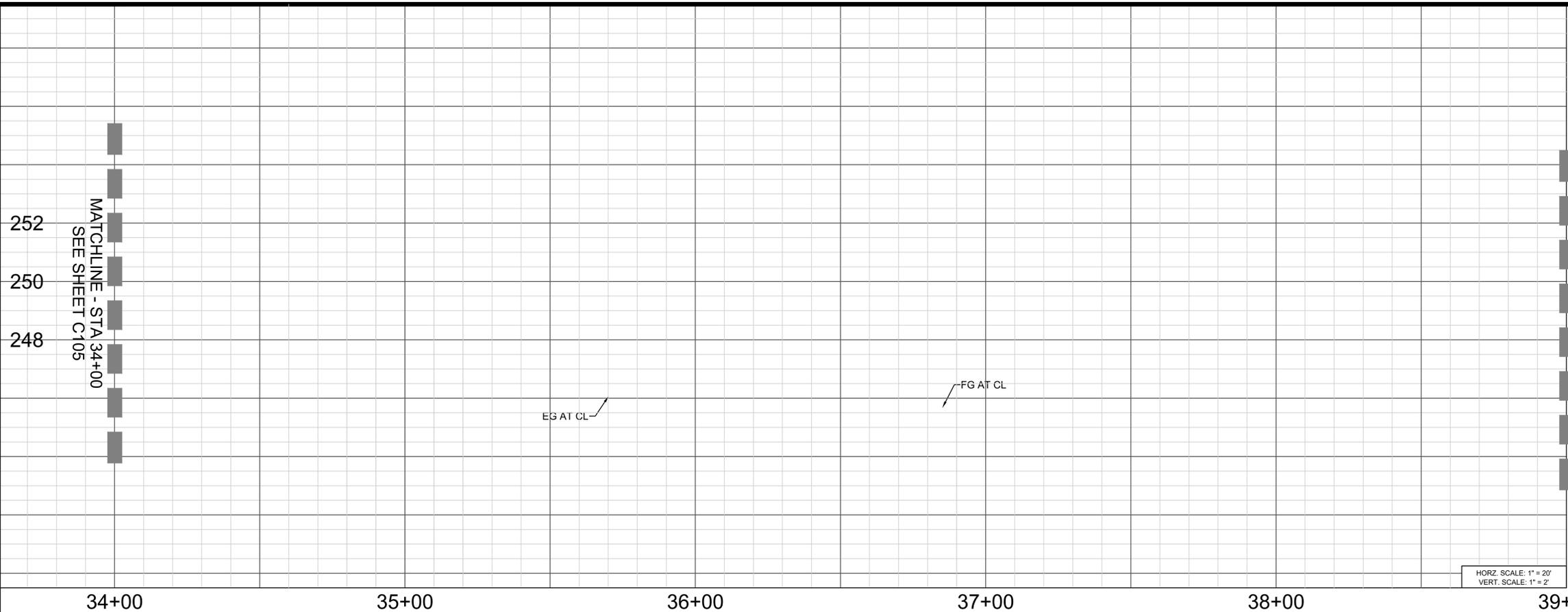
DATE		OWN BY		E.O.R.		REVISION		REFERENCES	
NO.	DESCRIPTION	APPD DATE	BENCH MARK (SEE AT LEFT)	STANDARD PLANS:	UTILITY PLANS:	SEWER PLANS:	DATE	DATE	DATE

Prepared under the supervision of \_\_\_\_\_ DATE \_\_\_\_\_  
R.C.E. No. XXXXX  
Drawn by: XX  
Checked by: XX  
Recommended  
APPROVED

CONCEPT PLANS  
**Atwood Multipurpose Trail**  
City of Placentia  
**PLAN AND PROFILE**  
CITY OF PLACENTIA

DRAWING NO.  
**C104**  
SHEET **6** OF **17**





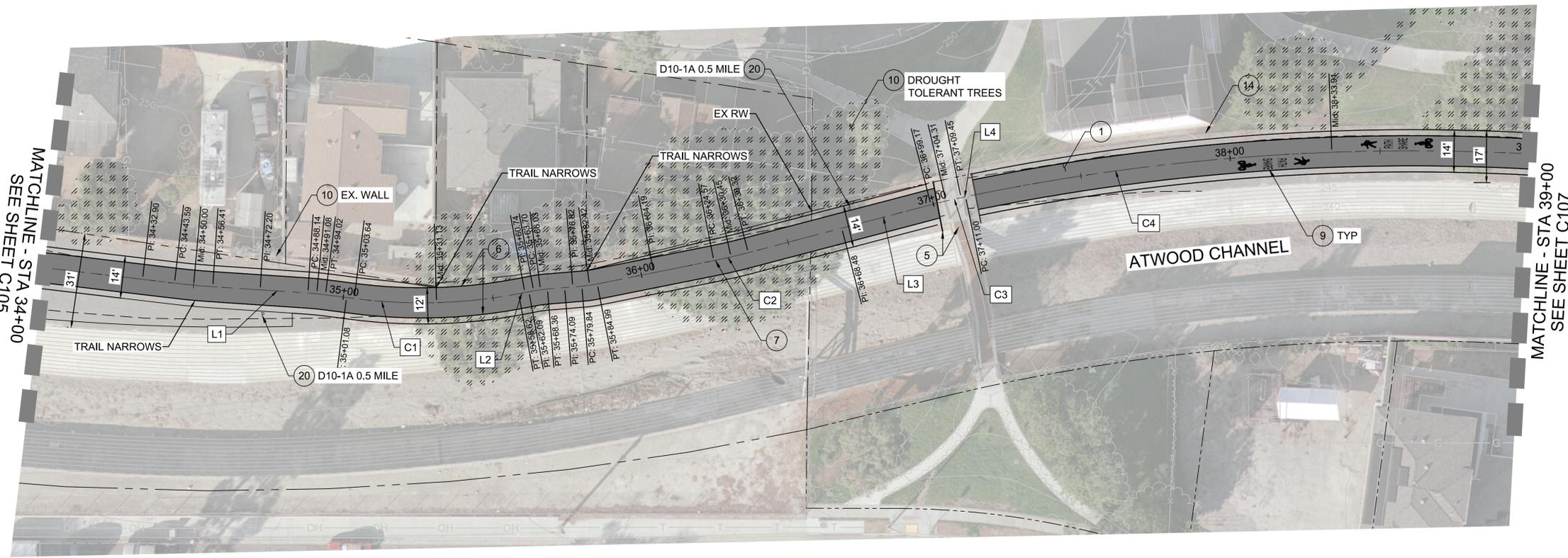
**CONSTRUCTION NOTES**

- 1 CONSTRUCT ASPHALT CONCRETE TRAIL (CLASS I) OVER NATIVE SOIL
- 5 INSTALL BLACK VINYL DRIPPED WALK AND DRIVE GATES PER SPPWC STD PLAN 600-3 SUPPLEMENTED WITH OCPW STD PLAN 600-3-OC
- 6 INSTALL 4" WHITE EDGE LINE PER CALTRANS REVISED STD PLAN RSP A20B, DETAIL 27B
- 7 INSTALL SHARED USE PATH CENTERLINE STRIPING
- 9 INSTALL "SHARE PATH" PAVEMENT MARKINGS
- 10 PROTECT EXISTING IMPROVEMENTS IN PLACE.
- 14 PROTECT EXISTING FENCE IN PLACE. IF REPLACEMENT IS NEEDED INSTALL BLACK VINYL DRIPPED FENCE PER SPPWC STD PLAN 600-3 SUPPLEMENTED WITH OCPW STD PLAN 600-3-OC
- 20 ADD D10-1A MILE MARKER SIGN PER CA MUTCD STANDARDS

**LEGEND**

- ATWOOD MULTIPURPOSE TRAIL / PROPOSED AC
- ▨ LANDSCAPE / BMP
- ▨ TREES, LOCATE AND PROTECT DROUGHT TOLERANT SPECIES

HORZ. SCALE: 1" = 20'  
VERT. SCALE: 1" = 2'



**LINE / CURVE TABLE**

#	RADIUS	LENGTH	DELTA/BRG	TANGENT
L1	-	15.94'	S86° 11' 40.49"E	-
C1	175.00'	54.97'	17° 59' 56"	27.72'
L2	-	2.12'	N79° 21' 01.65"E	-
C2	200.00'	11.75'	3° 22' 00"	5.88'
L3	-	30.69'	N75° 21' 31.93"E	-
C3	200.00'	10.28'	2° 56' 42"	5.14'
L4	-	1.55'	N78° 18' 13.87"E	-
C4	733.00'	245.83'	19° 12' 55"	124.08'

GENERAL NOTE: CONTRACTOR SHALL PROVIDE ADDITIONAL FALL PROTECTION AROUND EACH TRANSITION STRUCTURE IN KIND.

Underground Service Alert  
**DIGALERT**  
DIAL TOLL FREE 1-800-422-4133 AT LEAST TWO WORKING DAYS BEFORE YOU DIG

SCALE PLAN SCALE FEET

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DATE		OWN BY		E.O.R. NO.		REVISION DESCRIPTION		APPD DATE		BENCH MARK (SEE AT LEFT)		REFERENCES STANDARD PLANS:	

**alta**

Drawn by: ALTA STAFF  
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CONCEPT PLANS  
**Atwood Multipurpose Trail**  
City of Placentia  
**PLAN AND PROFILE**  
CITY OF PLACENTIA

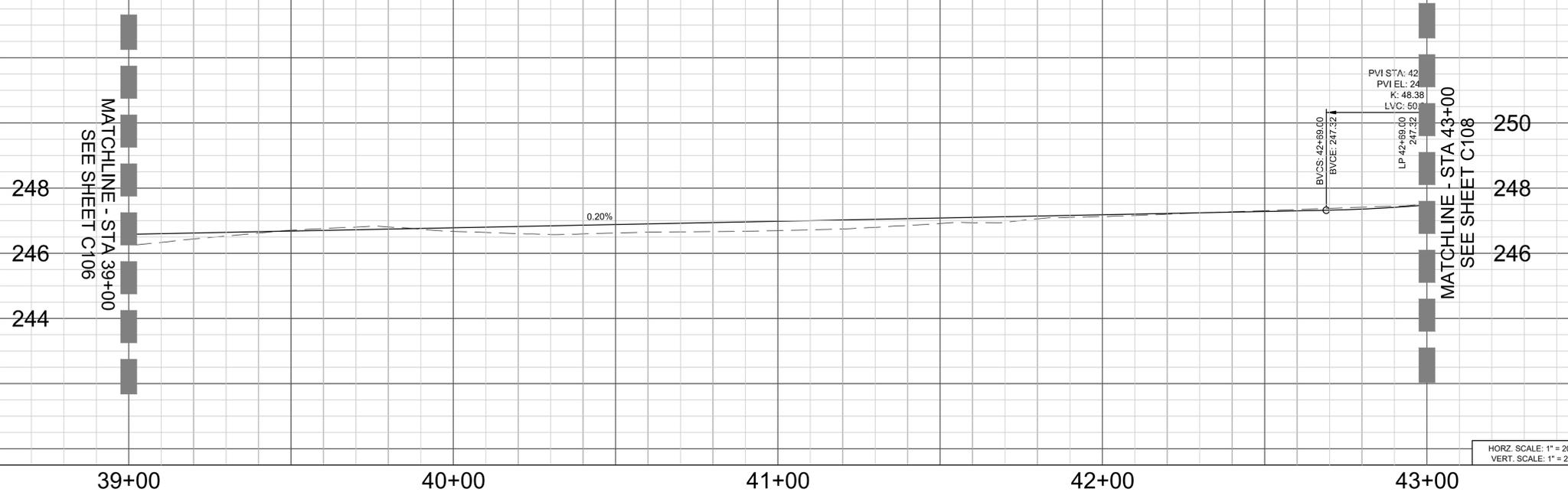
DRAWING NO.  
**C106**  
SHEET **8** OF **17**

### CONSTRUCTION NOTES

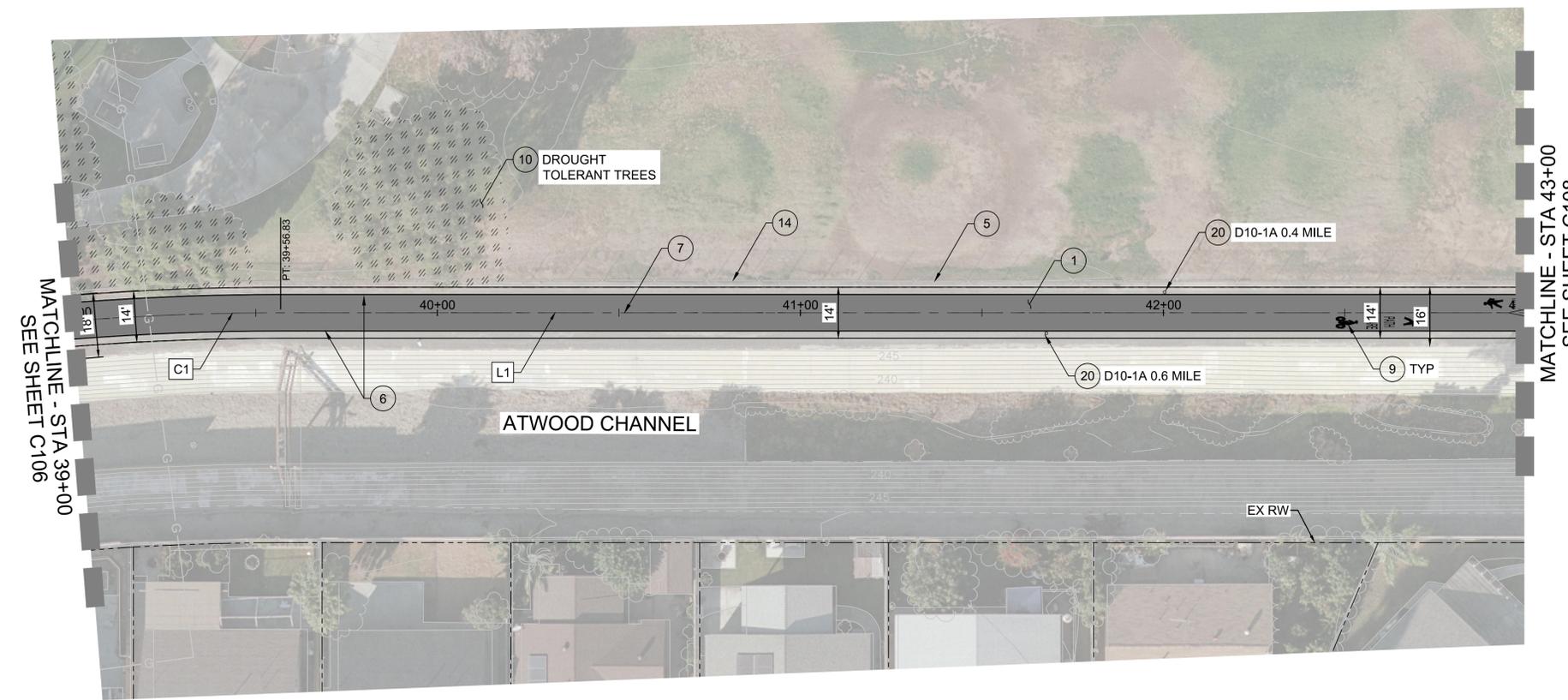
- 1 CONSTRUCT ASPHALT CONCRETE TRAIL (CLASS I) OVER NATIVE SOIL
- 5 INSTALL BLACK VINYL DRIPPED WALK AND DRIVE GATES PER SPPWC STD PLAN 600-3 SUPPLEMENTED WITH OCPW STD PLAN 600-3-OC
- 6 INSTALL 4" WHITE EDGE LINE PER CALTRANS REVISED STD PLAN RSP A20B, DETAIL 27B
- 7 INSTALL SHARED USE PATH CENTERLINE STRIPING
- 9 INSTALL "SHARE PATH" PAVEMENT MARKINGS
- 10 PROTECT EXISTING IMPROVEMENTS IN PLACE.
- 14 PROTECT EXISTING FENCE IN PLACE. IF REPLACEMENT IS NEEDED INSTALL BLACK VINYL DRIPPED FENCE PER SPPWC STD PLAN 600-3 SUPPLEMENTED WITH OCPW STD PLAN 600-3-OC
- 20 ADD D10-1A MILE MARKER SIGN PER CA MUTCD STANDARDS

### LEGEND

-  ATWOOD MULTIPURPOSE TRAIL
-  TREES, LOCATE AND PROTECT DROUGHT TOLERANT SPECIES



HORZ. SCALE: 1" = 20'  
VERT. SCALE: 1" = 2'



LINE / CURVE TABLE				
#	RADIUS	LENGTH	DELTA/BRG	TANGENT
C1	733.00'	245.83'	19° 12' 55"	124.08'
L1	-	376.68'	S82° 28' 50.82"E	-

GENERAL NOTE: CONTRACTOR SHALL PROVIDE ADDITIONAL FALL PROTECTION AROUND EACH TRANSITION STRUCTURE IN KIND.



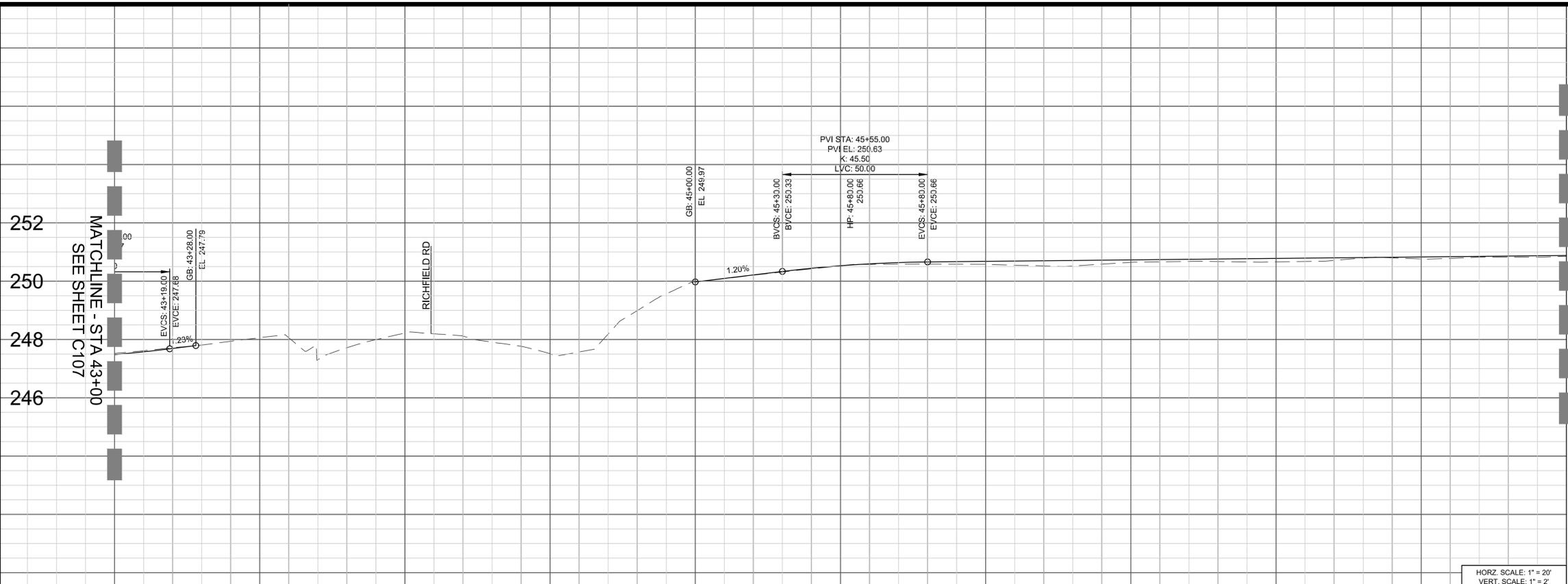
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REVISION			REFERENCES		
DATE	OWN BY	E.O.R. NO.	DESCRIPTION	APPD DATE	BENCH MARK: (SEE AT LEFT)

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CONCEPT PLANS  
**Atwood Multipurpose Trail**  
 City of Placentia  
**PLAN AND PROFILE**  
 CITY OF PLACENTIA

DRAWING NO.  
**C107**  
 SHEET 9 OF 17



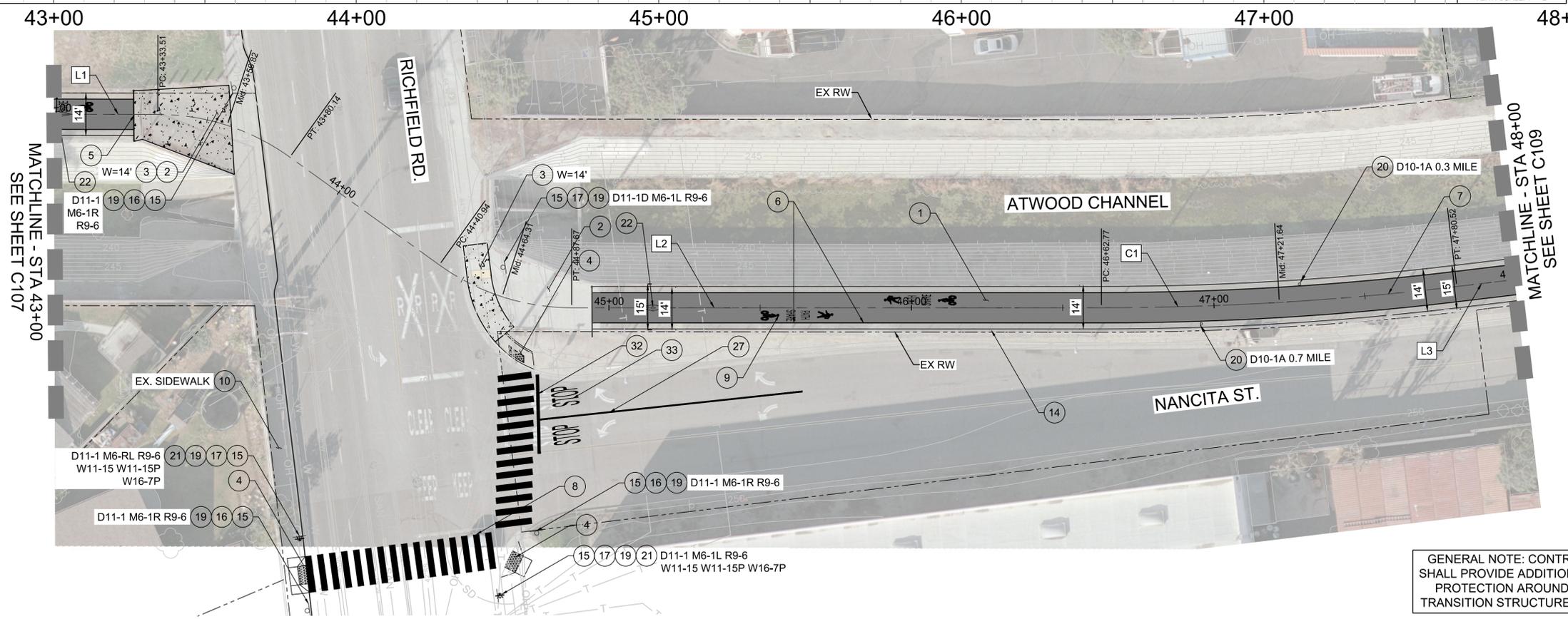
### CONSTRUCTION NOTES

- 1 CONSTRUCT ASPHALT CONCRETE TRAIL (CLASS I) OVER NATIVE SOIL
- 2 REMOVE AND CONSTRUCT 4" PCC SIDEWALK PER OCPW STD PLAN 1204 & 1205
- 3 REMOVE AND CONSTRUCT DRIVEWAY OCPW STD PLAN 1209
- 4 REMOVE AND CONSTRUCT MODIFIED CURB RAMP PER CALTRANS REVISED STANDARD PLAN A88A
- 5 INSTALL BLACK VINYL DRIPPED WALK AND DRIVE GATES PER SPPWC STD PLAN 600-3 SUPPLEMENTED WITH OCPW STD PLAN 600-3-OC
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- 7 INSTALL SHARED USE PATH CENTERLINE STRIPING
- 8 INSTALL CONTINENTAL CROSSWALK PER OCPW STD PLAN 1416
- 9 INSTALL "SHARE PATH" PAVEMENT MARKINGS
- 10 PROTECT EXISTING IMPROVEMENTS IN PLACE. PROTECT EXISTING FENCE IN PLACE. IF REPLACEMENT IS NEEDED INSTALL BLACK VINYL DRIPPED FENCE PER SPPWC STD PLAN 600-3 SUPPLEMENTED WITH OCPW STD PLAN 600-3-OC
- 14 INSTALL D11-1 BIKE ROUTE SIGN AND POST PER CA MUTCD STANDARDS
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- 16 INSTALL M6-1L BIKE ROUTE TURN SIGN AND POST PER CA MUTCD STANDARDS
- 17 INSTALL R9-6 YIELD TO PEDESTRIANS SIGN AND POST PER CA MUTCD STANDARDS
- 19 ADD D10-1A MILE MARKER SIGN PER CA MUTCD STANDARDS
- 20 INSTALL RRFB SIGNAL, W11-15 AND W11-15P PEDESTRIAN/BIKE TRAIL XING SIGNS AND POST, AND W16-7P DIAGONAL ARROW SIGN AND POST PER CA MUTCD STANDARDS
- 21 INSTALL REMOVABLE BOLLARD WITH LOCKING CHAIN
- 27 INSTALL 6" WHITE THERMOPLASTIC EDGE LINE PER CALTRANS STANDARD PLANS A20B-DETAIL 27B
- 32 INSTALL STOP BAR PER CALTRANS STD PLANS A24E
- 33 INSTALL "STOP" TRAFFIC MARKING PER CALTRANS STANDARD PLANS A24D

### LEGEND

- ATWOOD MULTIPURPOSE TRAIL
- PCC SIDEWALK/ DRIVEWAY/ CURB RAMPS

#	RADIUS	LENGTH	DELTA/BRG	TANGENT
L1	-	376.68'	S82° 28' 50.82"E	-
L2	-	175.10'	S82° 33' 27.94"E	-
C1	993.00'	117.75'	6° 47' 38"	58.94'
L3	-	405.57'	S89° 21' 06.19"E	-



GENERAL NOTE: CONTRACTOR SHALL PROVIDE ADDITIONAL FALL PROTECTION AROUND EACH TRANSITION STRUCTURE IN KIND.



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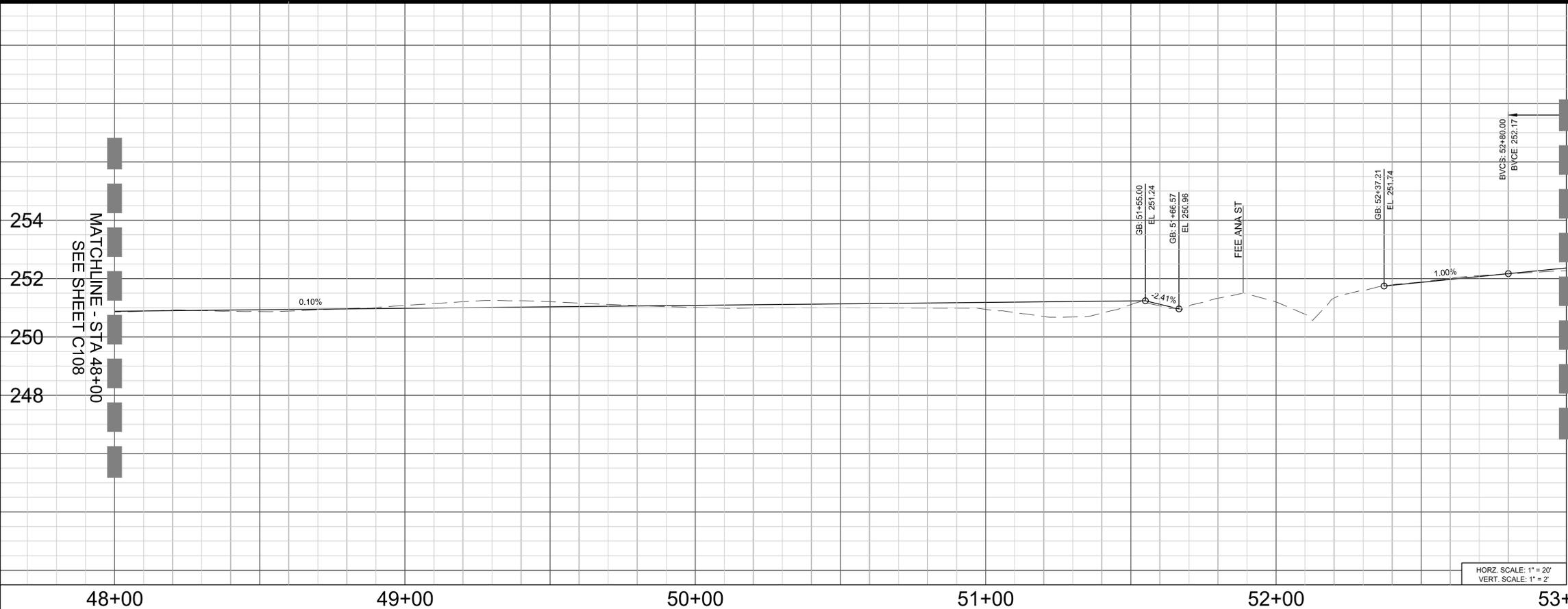


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DATE	OWN BY	DESCRIPTION	STANDARD PLANS:

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CONCEPT PLANS Atwood Multipurpose Trail City of Placentia PLAN AND PROFILE CITY OF PLACENTIA	DRAWING NO. C108 SHEET 10 OF 17
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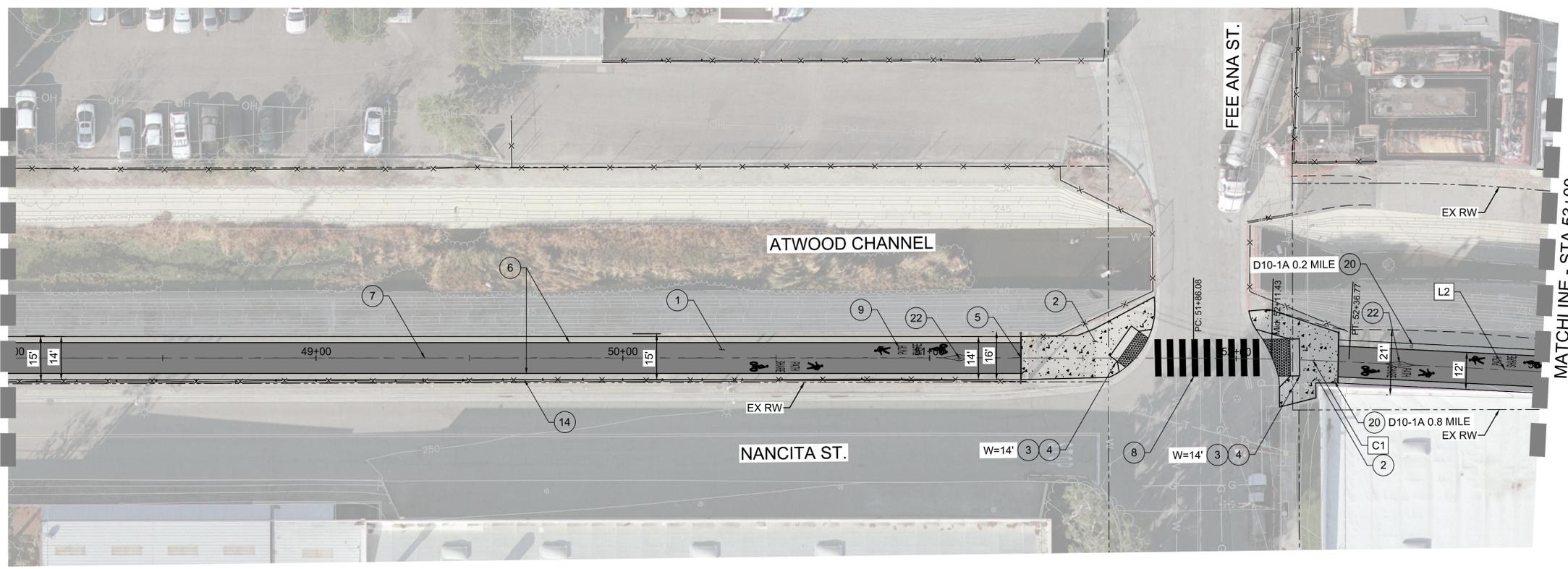
**CONSTRUCTION NOTES**

- 1 CONSTRUCT ASPHALT CONCRETE TRAIL (CLASS I) OVER NATIVE SOIL
- 2 REMOVE AND CONSTRUCT 4" PCC SIDEWALK PER OCPW STD PLAN 1204 & 1205
- 3 REMOVE AND CONSTRUCT DRIVEWAY OCPW STD PLAN 1209
- 4 REMOVE AND CONSTRUCT MODIFIED CURB RAMP PER CALTRANS REVISED STANDARD PLAN A88A
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- 6 INSTALL 4" WHITE EDGE LINE PER CALTRANS REVISED STD PLAN RSP A20B, DETAIL 27B
- 7 INSTALL SHARED USE PATH CENTERLINE STRIPING
- 8 INSTALL CONTINENTAL CROSSWALK PER OCPW STD PLAN 1416
- 9 INSTALL "SHARE PATH" PAVEMENT MARKINGS
- 14 PROTECT EXISTING FENCE IN PLACE. IF REPLACEMENT IS NEEDED INSTALL BLACK VINYL DRIPPED FENCE PER SPPWC STD PLAN 600-3 SUPPLEMENTED WITH OCPW STD PLAN 600-3-OC
- 20 ADD D10-1A MILE MARKER SIGN PER CA MUTCD STANDARDS
- 22 INSTALL REMOVABLE BOLLARD WITH LOCKING CHAIN

**LEGEND**

- ATWOOD MULTIPURPOSE TRAIL
- PCC SIDEWALK/ DRIVEWAY/ CURB RAMPS

LINE / CURVE TABLE				
#	RADIUS	LENGTH	DELTA/BRG	TANGENT
L1	-	405.57'	S89° 21' 06.19"E	-
C1	1014.00'	50.69'	2° 51' 51"	25.35'
L2	-	95.16'	S86° 29' 14.88"E	-



GENERAL NOTE: CONTRACTOR SHALL PROVIDE ADDITIONAL FALL PROTECTION AROUND EACH TRANSITION STRUCTURE IN KIND.



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CONCEPT PLANS  
**Atwood Multipurpose Trail**  
 City of Placentia  
**PLAN AND PROFILE**  
 CITY OF PLACENTIA

DRAWING NO.  
**C109**

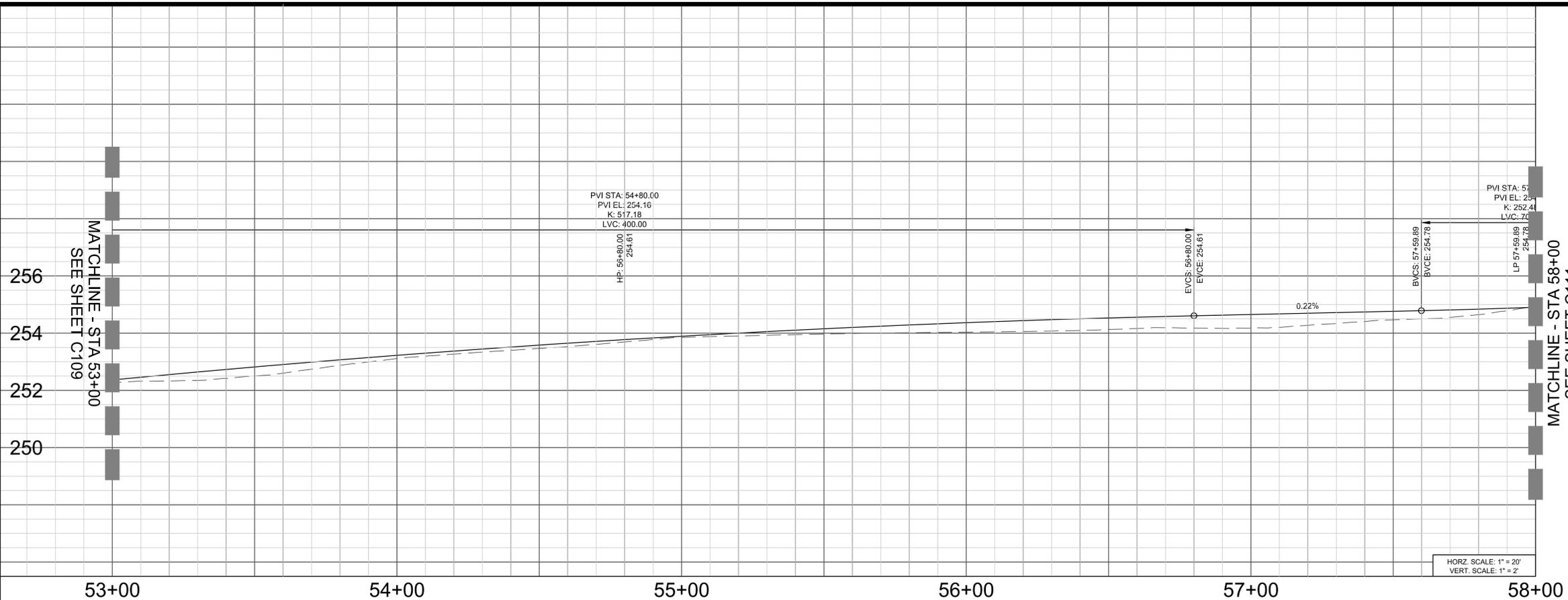
SHEET **11** OF **17**

### CONSTRUCTION NOTES

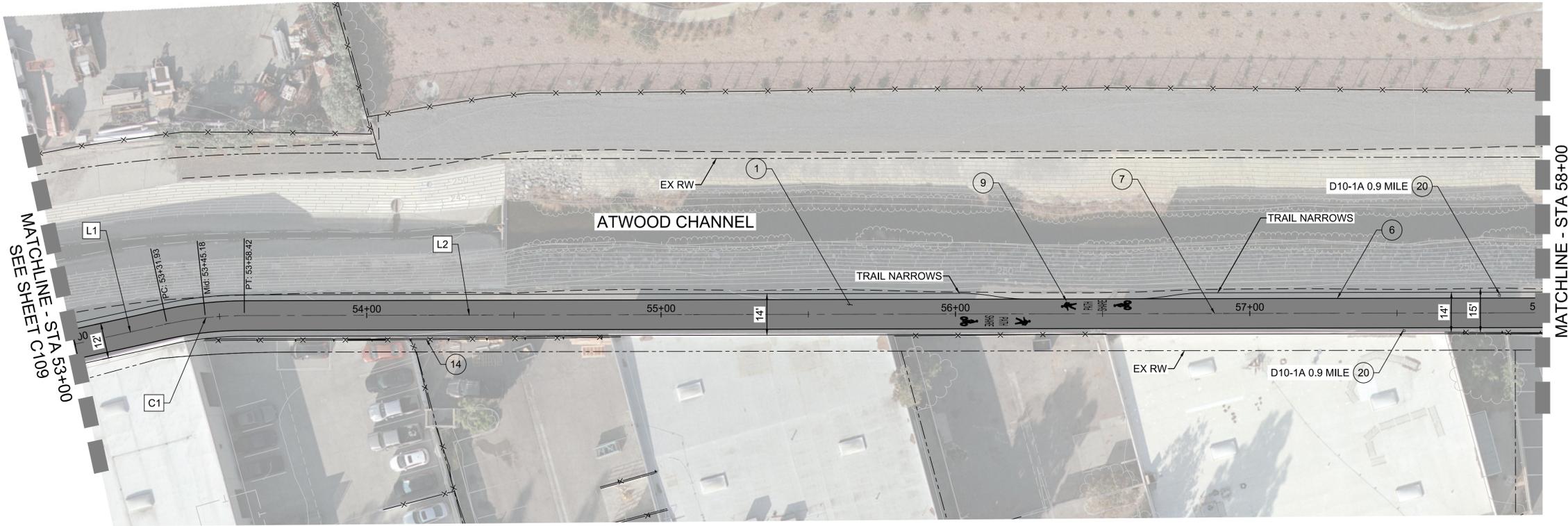
- 1 CONSTRUCT ASPHALT CONCRETE TRAIL (CLASS I) OVER NATIVE SOIL
- 6 INSTALL 4" WHITE EDGE LINE PER CALTRANS REVISED STD PLAN RSP A20B, DETAIL 27B
- 7 INSTALL SHARED USE PATH CENTERLINE STRIPING
- 9 INSTALL "SHARE PATH" PAVEMENT MARKINGS
- 14 PROTECT EXISTING FENCE IN PLACE. IF REPLACEMENT IS NEEDED INSTALL BLACK VINYL DRIPPED FENCE PER SPPWC STD PLAN 600-3 SUPPLEMENTED WITH OCPW STD PLAN 600-3-OC
- 20 ADD D10-1A MILE MARKER SIGN PER CA MUTCD STANDARDS

### LEGEND

■ ATWOOD MULTIPURPOSE TRAIL



HORZ. SCALE: 1" = 20'  
VERT. SCALE: 1" = 2'



LINE / CURVE TABLE				
#	RADIUS	LENGTH	DELTA/BRG	TANGENT
L1	-	95.16'	S86° 29' 14.88"E	-
C1	125.00'	26.49'	12° 08' 25"	13.29'
L2	-	954.01'	S74° 20' 50.23"E	-

GENERAL NOTE: CONTRACTOR SHALL PROVIDE ADDITIONAL FALL PROTECTION AROUND EACH TRANSITION STRUCTURE IN KIND.



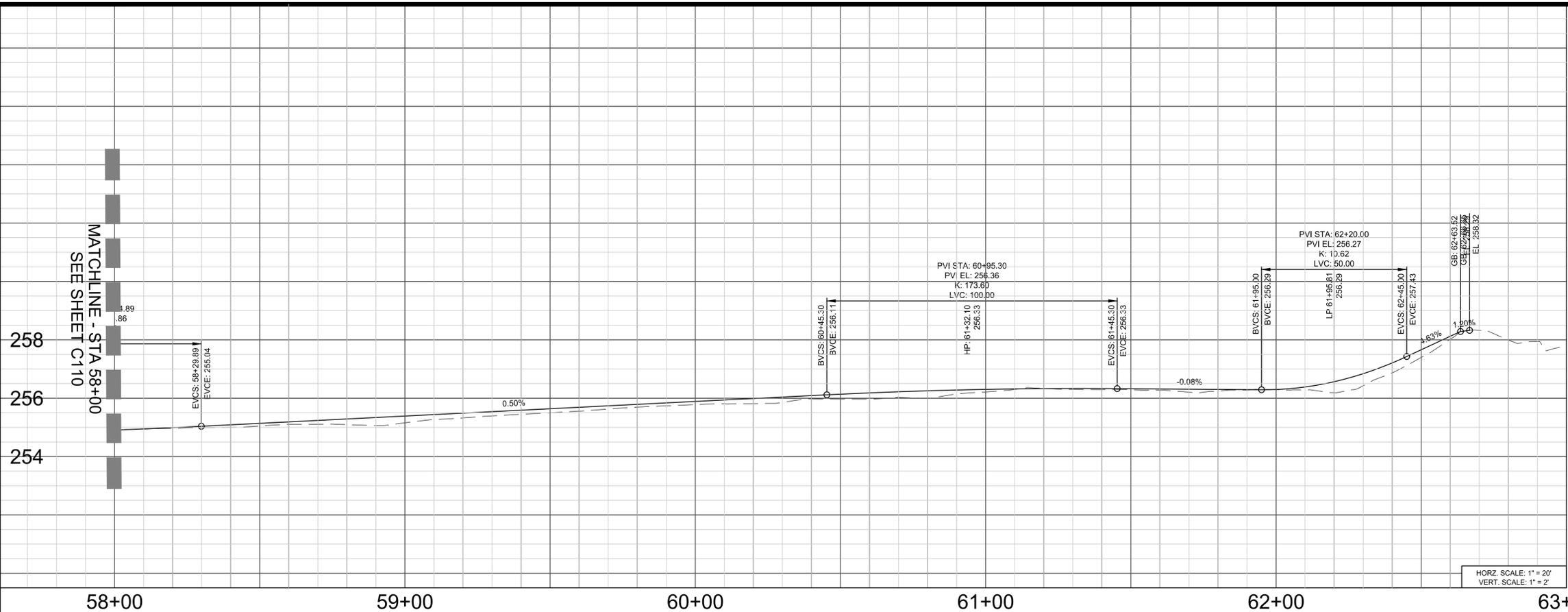
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DATE	DESCRIPTION	BENCH MARK: (SEE AT LEFT)	STANDARD PLANS:

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**Atwood Multipurpose Trail**  
 City of Placentia  
**PLAN AND PROFILE**  
 CITY OF PLACENTIA

DRAWING NO.  
**C110**  
 SHEET **12** OF **17**



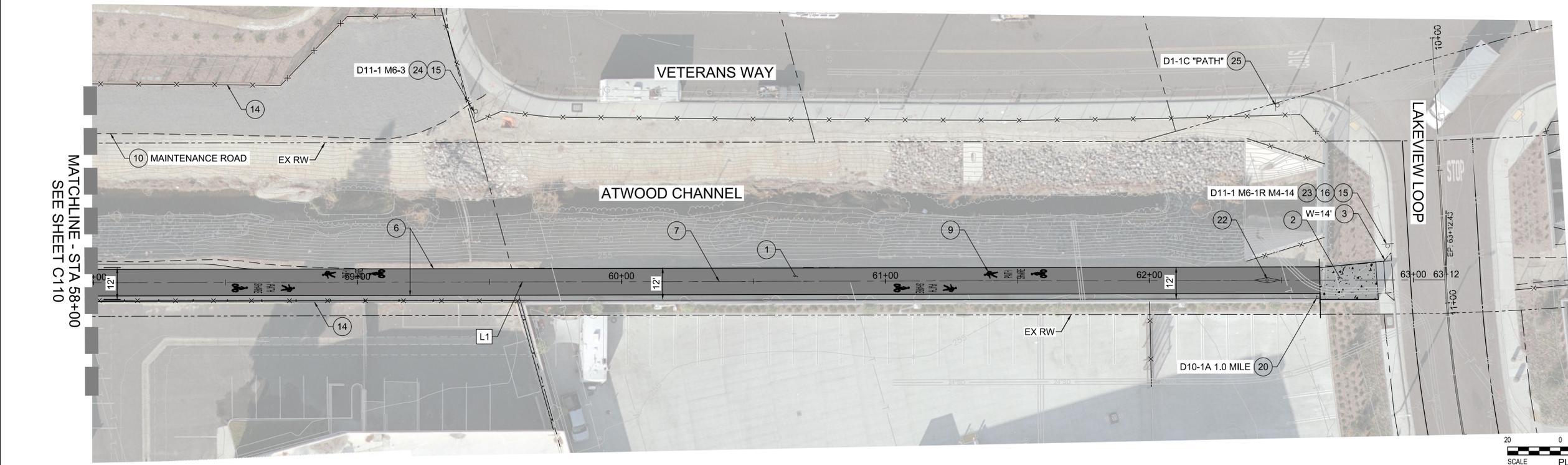
**CONSTRUCTION NOTES**

- 1 CONSTRUCT ASPHALT CONCRETE TRAIL (CLASS I) OVER NATIVE SOIL
- 2 REMOVE AND CONSTRUCT 4" PCC SIDEWALK PER OCPW STD PLAN 1204 & 1205
- 3 REMOVE AND CONSTRUCT DRIVEWAY OCPW STD PLAN 1209
- 6 INSTALL 4" WHITE EDGE LINE PER CALTRANS REVISED STD PLAN RSP A20B, DETAIL 27B
- 7 INSTALL SHARED USE PATH CENTERLINE STRIPING
- 9 INSTALL "SHARE PATH" PAVEMENT MARKINGS
- 10 PROTECT EXISTING IMPROVEMENTS IN PLACE.
- 14 PROTECT EXISTING FENCE IN PLACE. IF REPLACEMENT IS NEEDED INSTALL BLACK VINYL DRIPPED FENCE PER SPPWC STD PLAN 600-3 SUPPLEMENTED WITH OCPW STD PLAN 600-3-OC
- 15 INSTALL D11-1 BIKE ROUTE SIGN AND POST PER CA MUTCD STANDARDS
- 16 INSTALL M6-1R BIKE ROUTE TURN SIGN AND POST PER CA MUTCD STANDARDS
- 20 ADD D10-1A MILE MARKER SIGN PER CA MUTCD STANDARDS
- 22 INSTALL REMOVABLE BOLLARD WITH LOCKING CHAIN
- 23 INSTALL M4-14 BEGIN SIGN AND POST PER CAMUTCD STANDARDS
- 24 INSTALL M6-3 BIKE ROUTE AHEAD SIGN AND POST PER CAMUTCD STANDARDS

**LEGEND**

- ATWOOD MULTIPURPOSE TRAIL
- PCC SIDEWALK/ DRIVEWAY/ CURB RAMPS

LINE / CURVE TABLE				
#	RADIUS	LENGTH	DELTA/BRG	TANGENT
L1	-	954.01'	S74° 20' 50.23"E	-



GENERAL NOTE: CONTRACTOR SHALL PROVIDE ADDITIONAL FALL PROTECTION AROUND EACH TRANSITION STRUCTURE IN KIND.



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REFERENCES	
STANDARD PLANS:	
UTILITY PLANS:	
SEWER PLANS:	

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CONCEPT PLANS  
**Atwood Multipurpose Trail**  
 City of Placentia  
**PLAN AND PROFILE**  
 CITY OF PLACENTIA

DRAWING NO.  
**C111**  
 SHEET **13** OF **17**

**CONSTRUCTION NOTES**

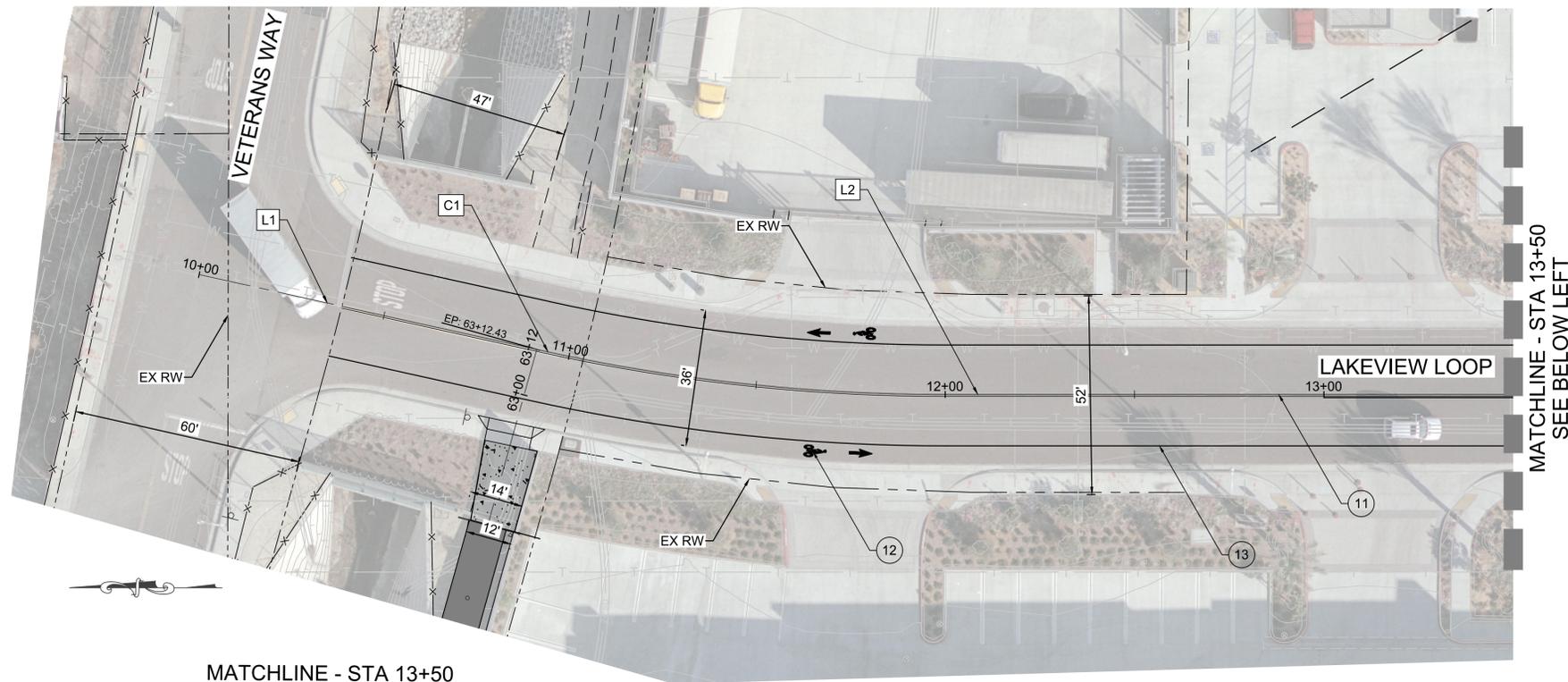
- 11 INSTALL 6" DOUBLE YELLOW CENTERLINE PER CALTRANS STD PLAN A20A, DETAIL 21
- 12 INSTALL BIKE LANE SYMBOL PER CALTRANS STD PLAN A24C
- 13 INSTALL 6" SOLID WHITE BIKE LANE STRIPING PER CALTRANS STANDARD PLAN A20D, DETAIL 39

**LEGEND**

-  ATWOOD MULTIPURPOSE TRAIL
-  PCC SIDEWALK/ DRIVEWAY/ CURB RAMPS

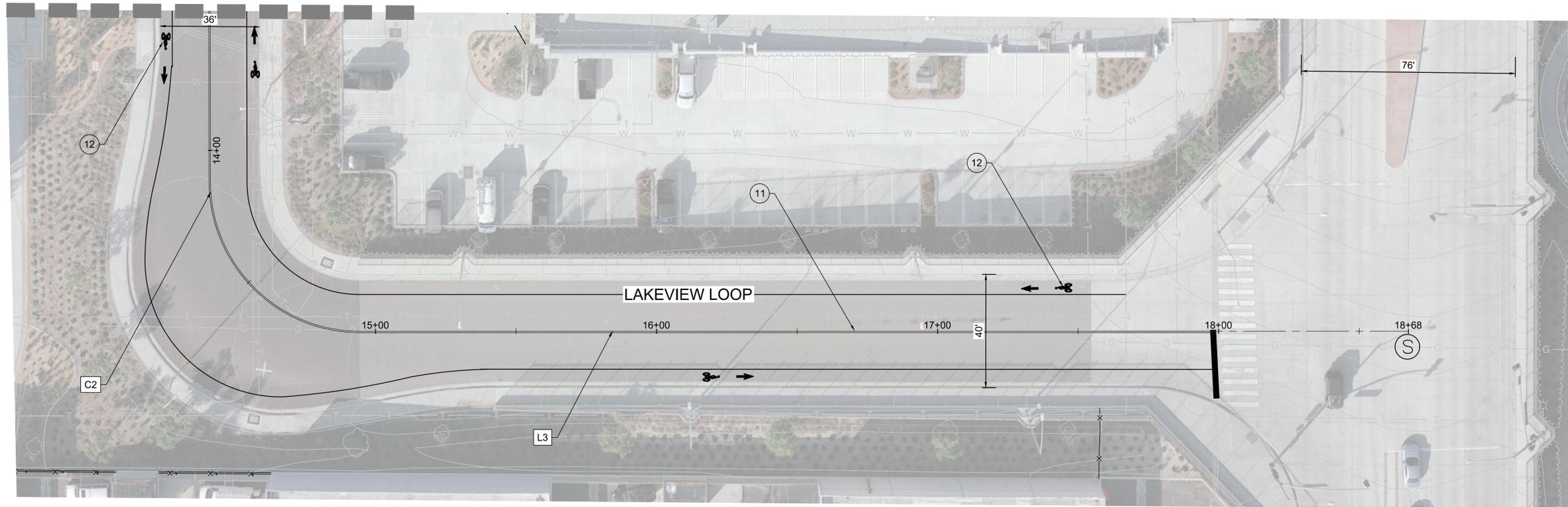
**LINE / CURVE TABLE**

#	RADIUS	LENGTH	DELTA/BRG	TANGENT
L1	-	91.96'	S12° 25' 44.05"W	-
C1	497.47'	108.44'	12° 29' 21"	54.43'
L2	-	210.54'	S0° 00' 11.05"W	-
C2	53.00'	83.17'	89° 54' 58"	52.92'
L3	-	373.42'	S89° 54' 46.95"E	-



MATCHLINE - STA 13+50  
SEE BELOW LEFT

MATCHLINE - STA 13+50  
SEE ABOVE RIGHT



GENERAL NOTE: CONTRACTOR SHALL PROVIDE ADDITIONAL FALL PROTECTION AROUND EACH TRANSITION STRUCTURE IN KIND.



DRAFT CONCEPT PLANS  
NOT FOR CONSTRUCTION

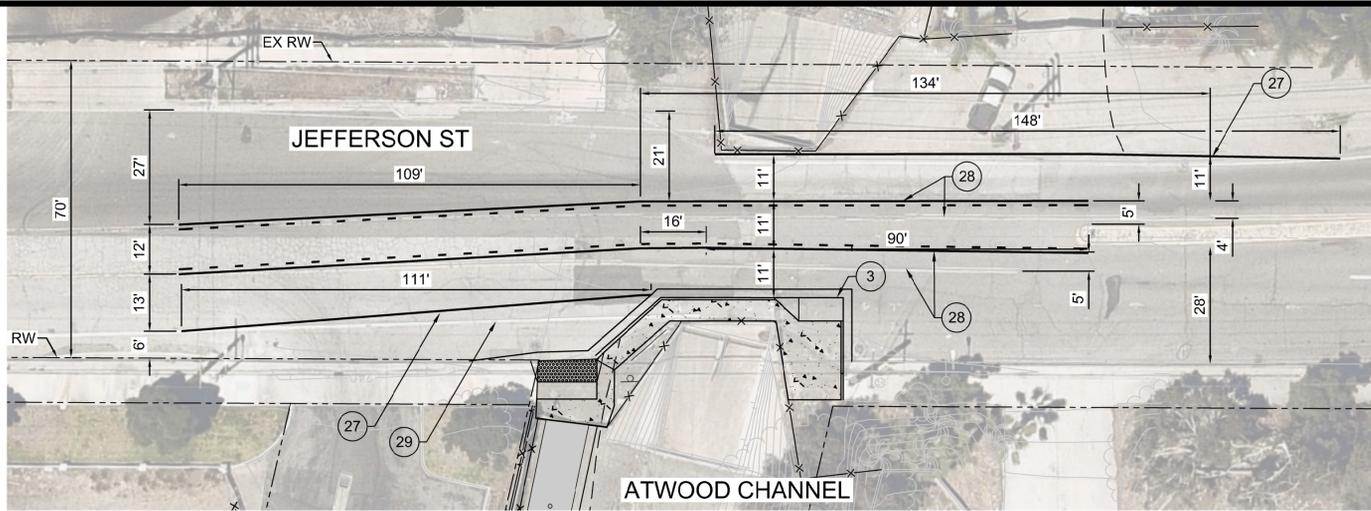
DATE	OWN BY	E.O.R. NO.	REVISION DESCRIPTION	APPD DATE	BENCH MARK (SEE AT LEFT)

REFERENCES
STANDARD PLANS:
UTILITY PLANS:
SEWER PLANS:

Prepared under the supervision of	DATE
R.C.E. No. XXXXX	
Drawn by: XX	
Checked by: XX	
Recommended	
APPROVED	

CONCEPT PLANS  
Atwood Multipurpose Trail  
City of Placentia  
PLAN AND PROFILE  
CITY OF PLACENTIA

DRAWING NO.  
C112  
SHEET 14 OF 17



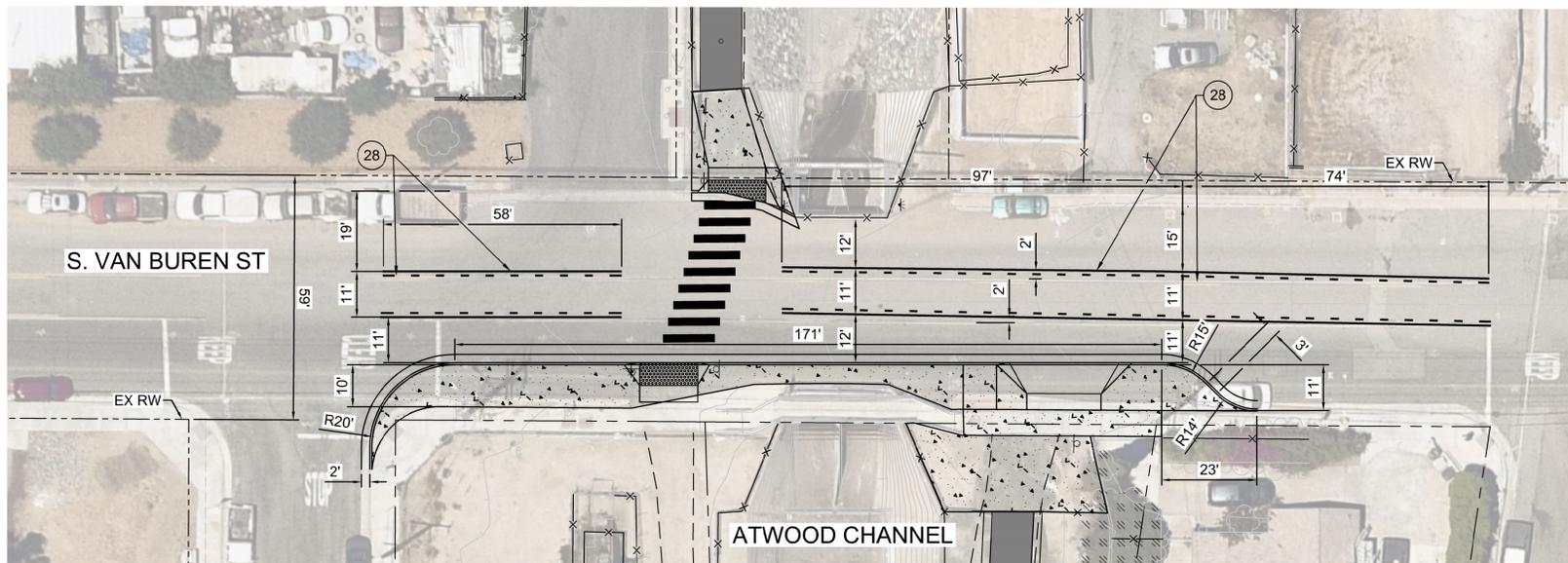
**A** JEFFERSON STRIPING DETAIL  
1:20

**CONSTRUCTION NOTES**

- 3 REMOVE AND CONSTRUCT DRIVEWAY OCPW STD PLAN 1209
- 27 INSTALL 6" WHITE THERMOPLASTIC EDGE LINE PER CALTRANS STANDARD PLANS A20B-DETAIL 27B
- 28 REMOVE AND REPLACE EXISTING TWO WAY LEFT TURN LANE STRIPING PER CAL TRANS STAND PLANS A20B DETAIL 31
- 29 REMOVE EXISTING WHITE EDGE LINE

**C** SIGNAGE LEGEND

 D10-1A 10" X 18"	 R9-6 12" X 18"	 W11-15 18" X 18"
 M5-1L 12" X 9"	 M4-14 24" X 12"	 W16-9P 24" X 12"
 D11-1 24" X 18"	 M6-3 21" X 15"	 W11-2 18" X 18"
 M6-1R 12" X 9"	 D1-1CR 18" X 6"	 W16-7P 24" X 12"
 M6-1L 12" X 9"		 M6-4 12" X 6"
 W11-15P 12" X 12"		



**B** S. VAN BUREN ST STRIPING DETAIL  
1:20



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NOT FOR CONSTRUCTION

REVISION			REFERENCES		
DATE	OWN BY	E.O.R. NO.	DESCRIPTION	APP'D DATE	BENCH MARK: (SEE AT LEFT)

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_____ R.C.E. No. XXXXX	_____
Drawn by: XX	
Checked by: XX	
Recommended	
APPROVED	

CONCEPT PLANS  
**Atwood Multipurpose Trail**  
 City of Placentia  
**DETAIL SHEET**  
 CITY OF PLACENTIA

DRAWING NO.  
**D101**  
 SHEET **15** OF **17**