

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:

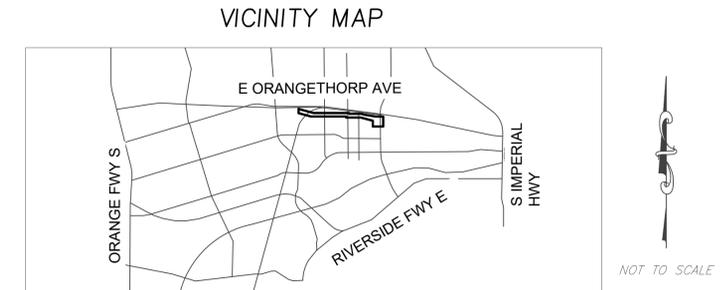
- FUTURE ATWOOD MULTIPURPOSE TRAIL EXTENSION / PROPOSED AC
- ATWOOD MULTIPURPOSE TRAIL/PROPOSED AC
- PCC SIDEWALK / DRIVEWAY/ CURB RAMPS
- TREES, LOCATE AND PROTECT DROUGHT TOLERANT SPECIES
- LANDSCAPE / BMP
- PROPOSED DG
- PROPOSED INFILTRATION TRENCH BMP

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

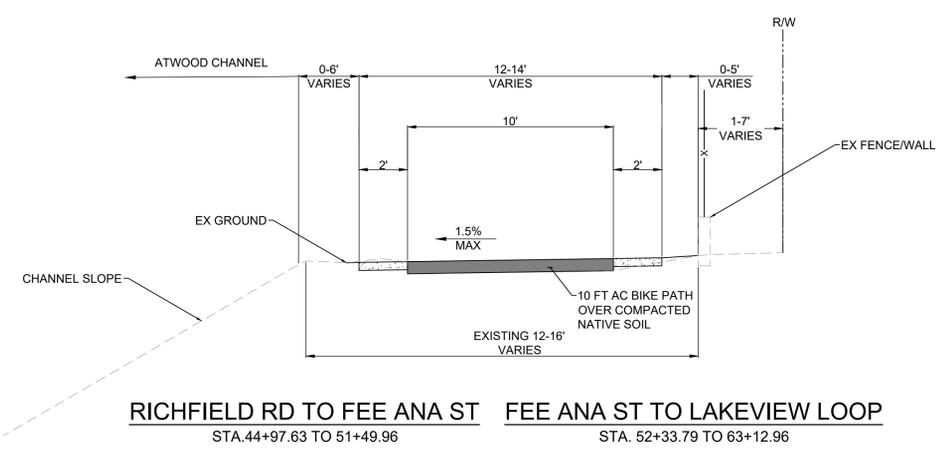
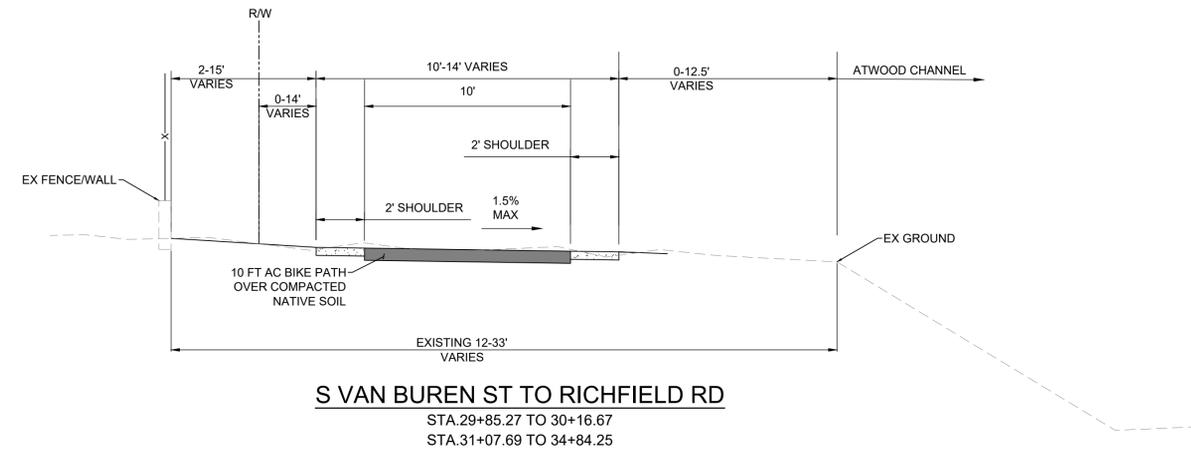
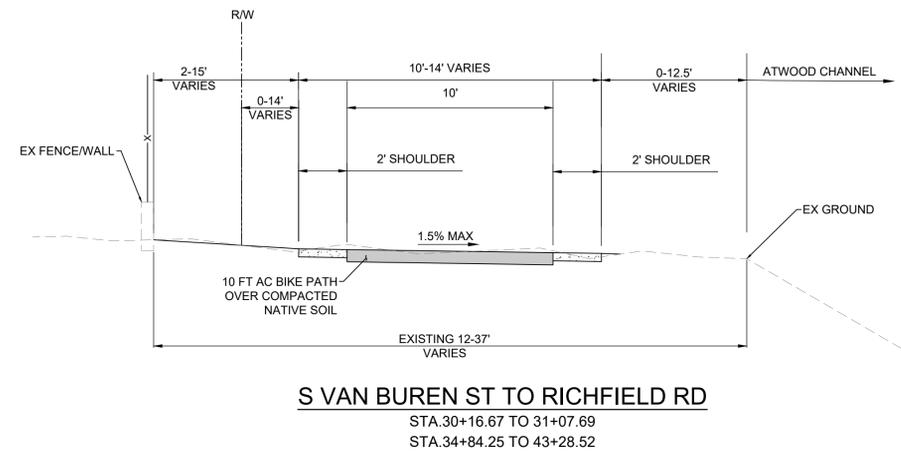
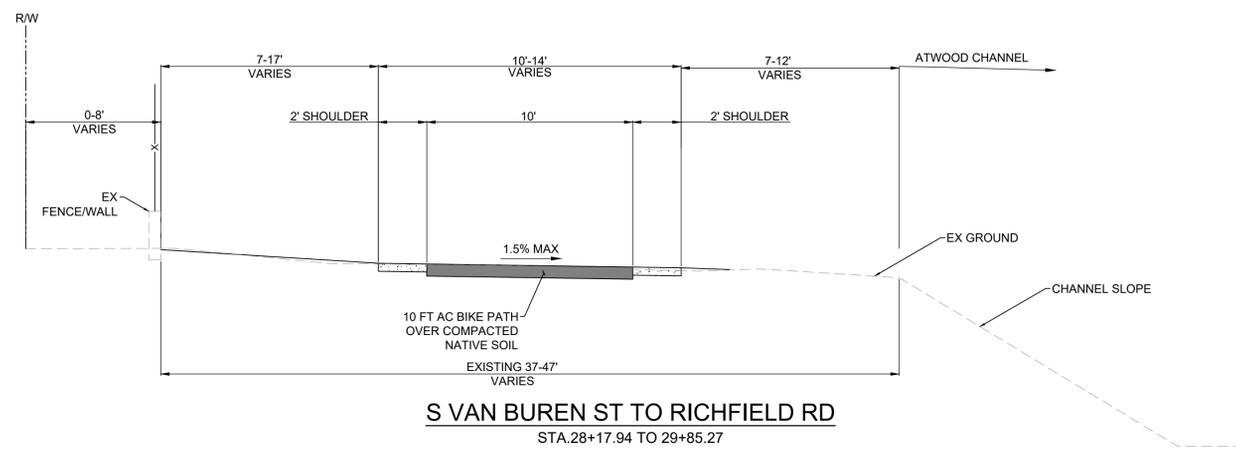
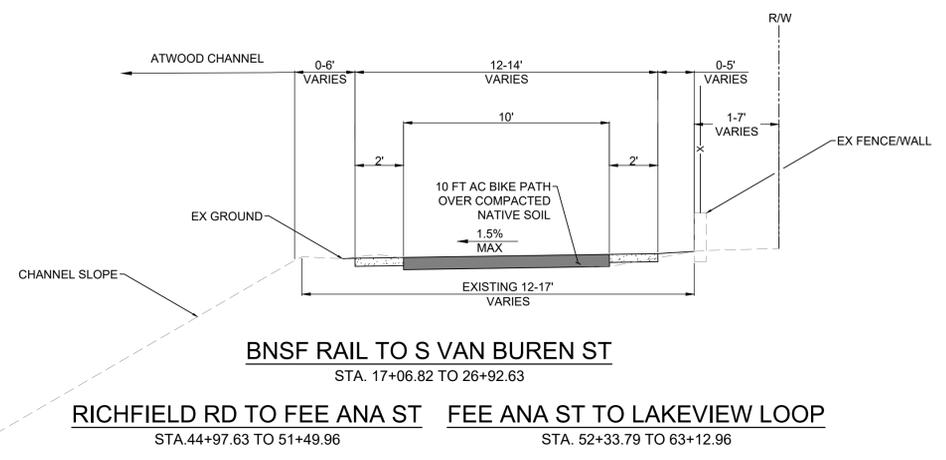
CONCEPT PLANS
ATWOOD MULTIPURPOSE TRAIL
City of Placentia
TITLE SHEET
CITY OF PLACENTIA

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

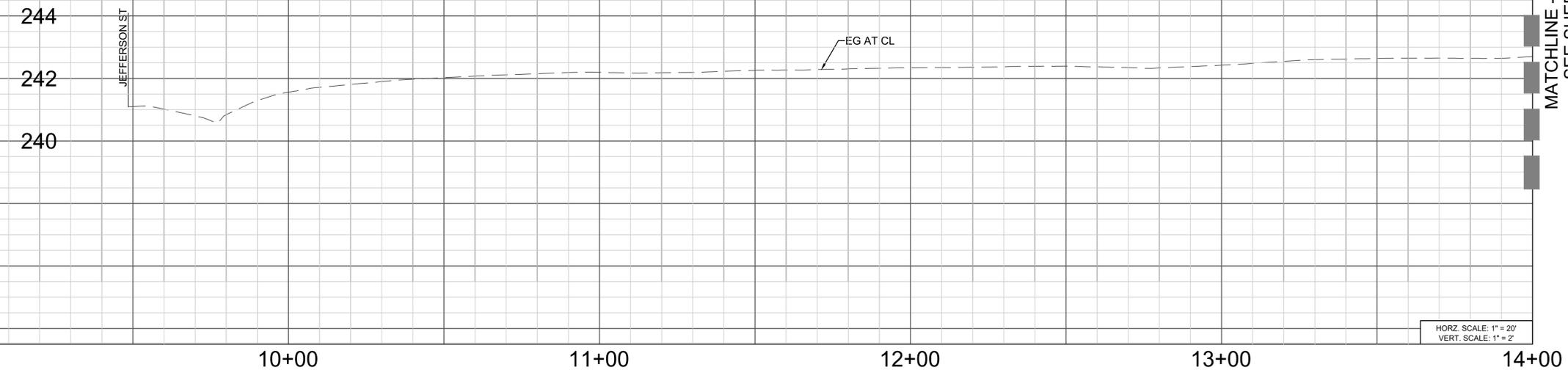
DRAWING NO.
 TS01
 SHEET 2 OF 17

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
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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.



DRAFT CONCEPT PLANS NOT FOR CONSTRUCTION

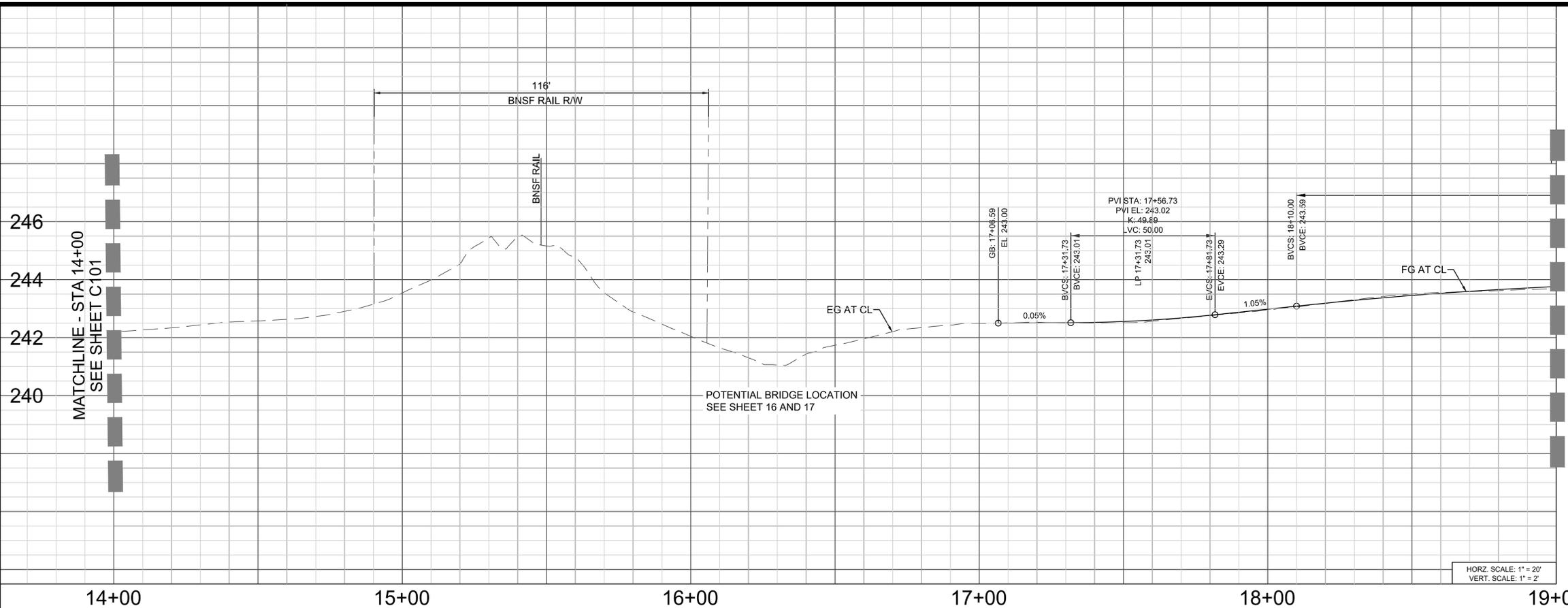


| REVISION | | REFERENCES | |
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| DATE | DESCRIPTION | STANDARD PLANS: | UTILITY PLANS: |
| | | | |
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 Drawn by: ALTA STAFF
 Checked by: VH
 Recommended
 APPROVED

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

DRAWING NO.
C101
 SHEET 3 OF 17



CONSTRUCTION NOTES

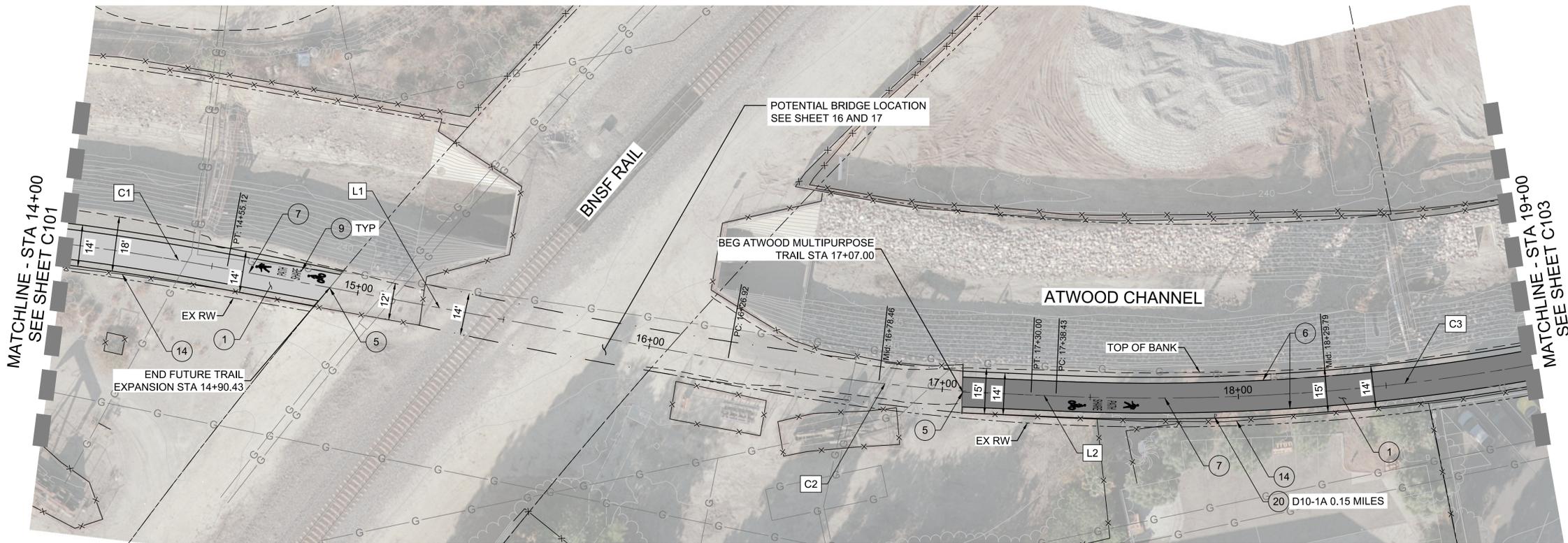
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- 20 ADD D10-1A MILE MARKER SIGN PER CA MUTCD STANDARDS

LEGEND

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

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

| LINE / CURVE TABLE | | | | |
|--------------------|----------|---------|------------------|---------|
| # | 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
NOT FOR CONSTRUCTION

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

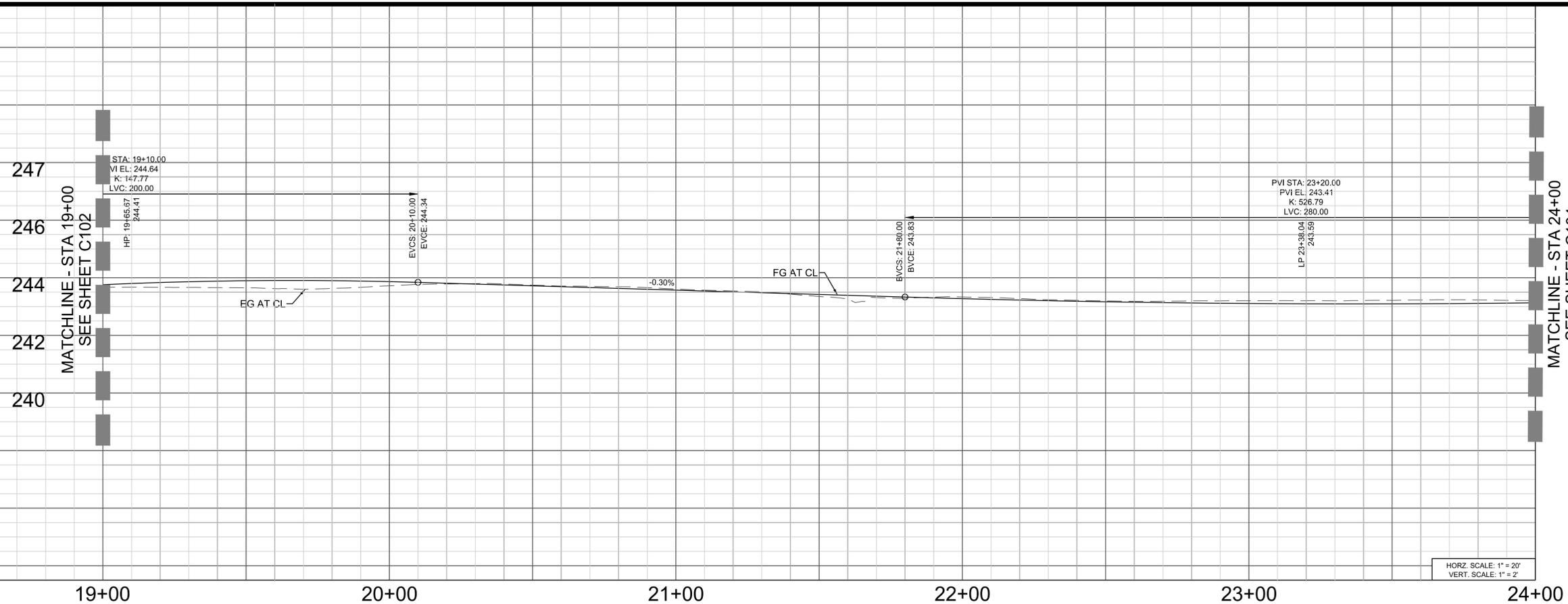
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| SEWER PLANS: | |

alta

Drawn by: ALTA STAFF
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**



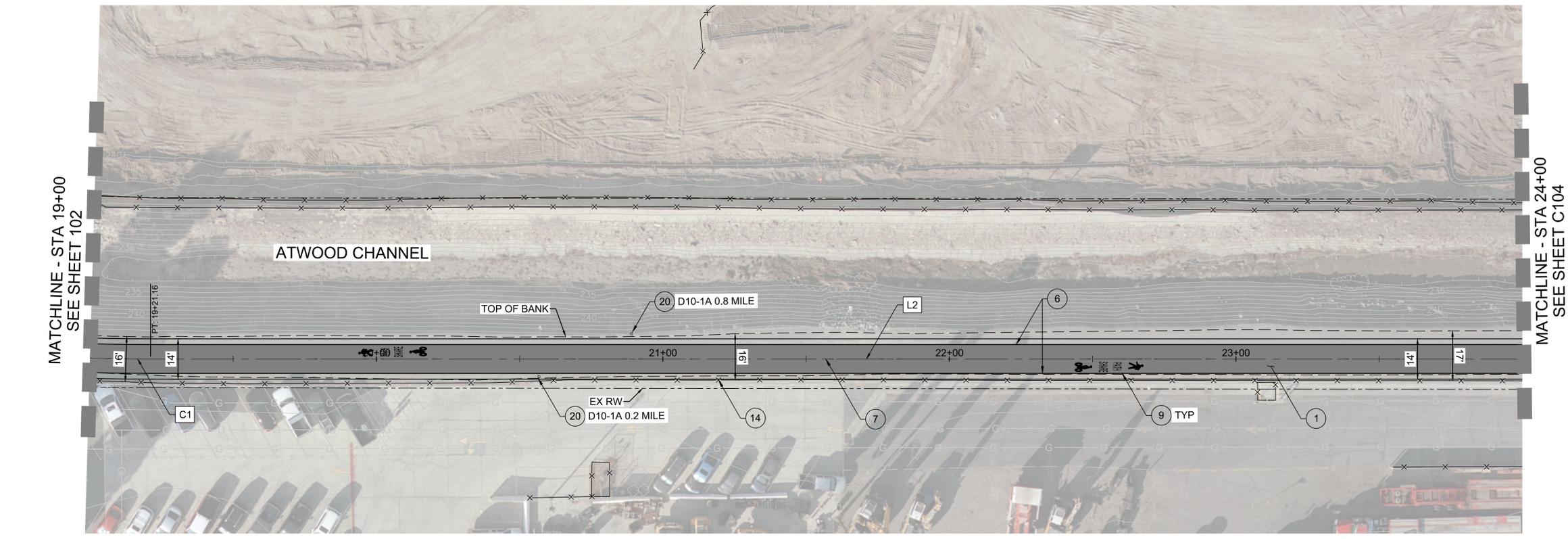
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LEGEND

■ ATWOOD MULTIPURPOSE TRAIL / PROPOSED AC

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VERT. SCALE: 1" = 2'



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|----|---------|---------|------------------|---------|
| C1 | 743.00' | 182.73' | 14° 05' 28" | 91.83' |
| L2 | - | 759.76' | S89° 54' 13.08"E | - |

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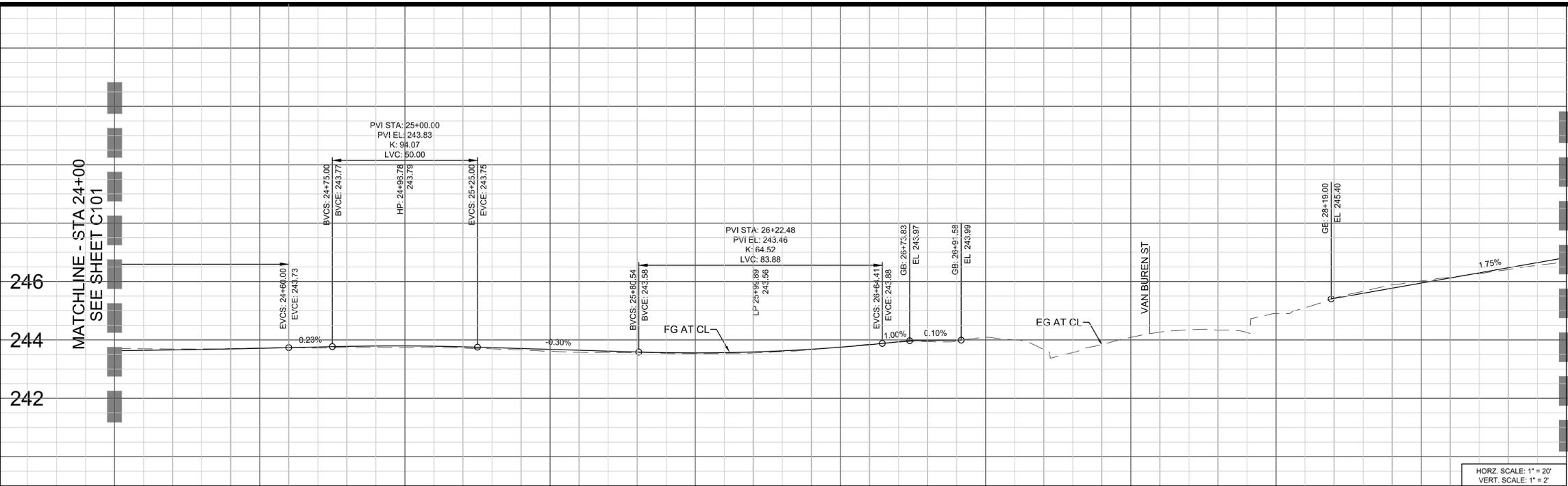
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| SEWER PLANS: |

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Checked by: VH
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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

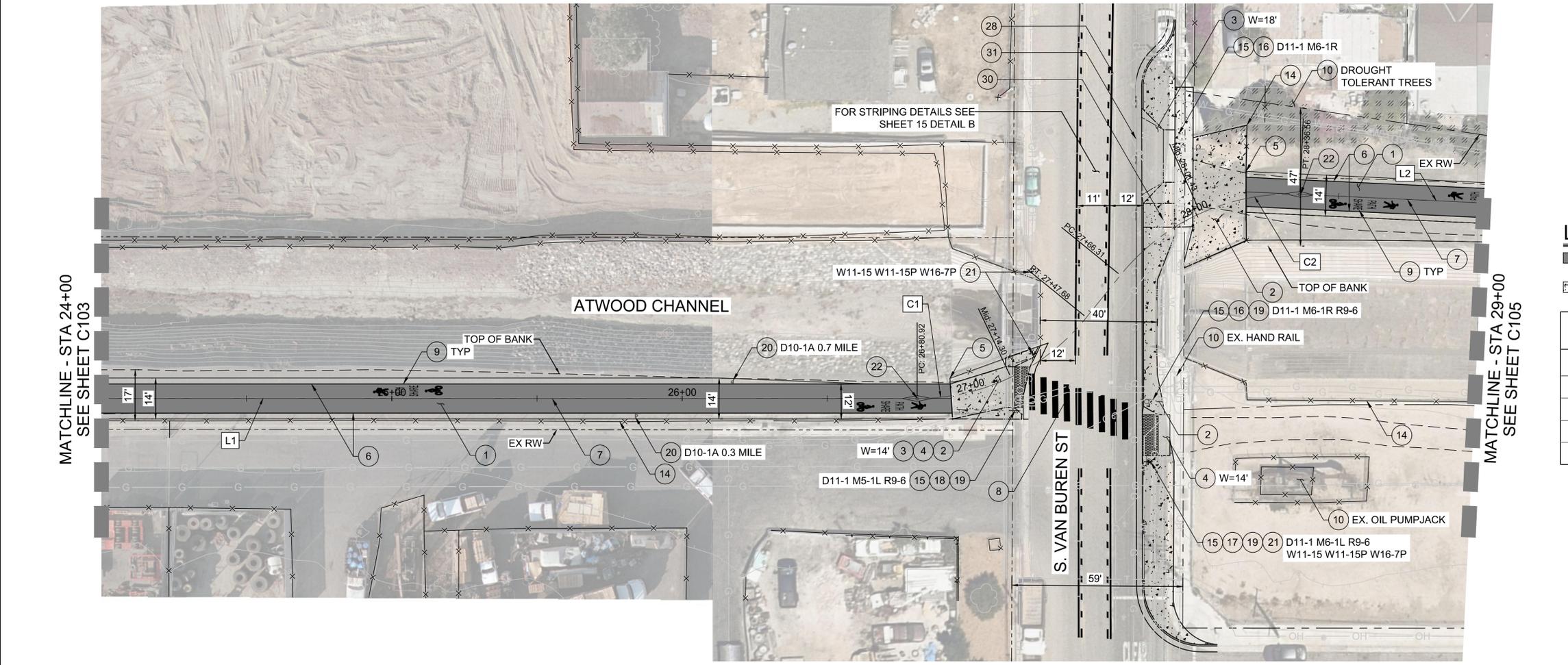


CONSTRUCTION NOTES

- 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
- 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
- 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.

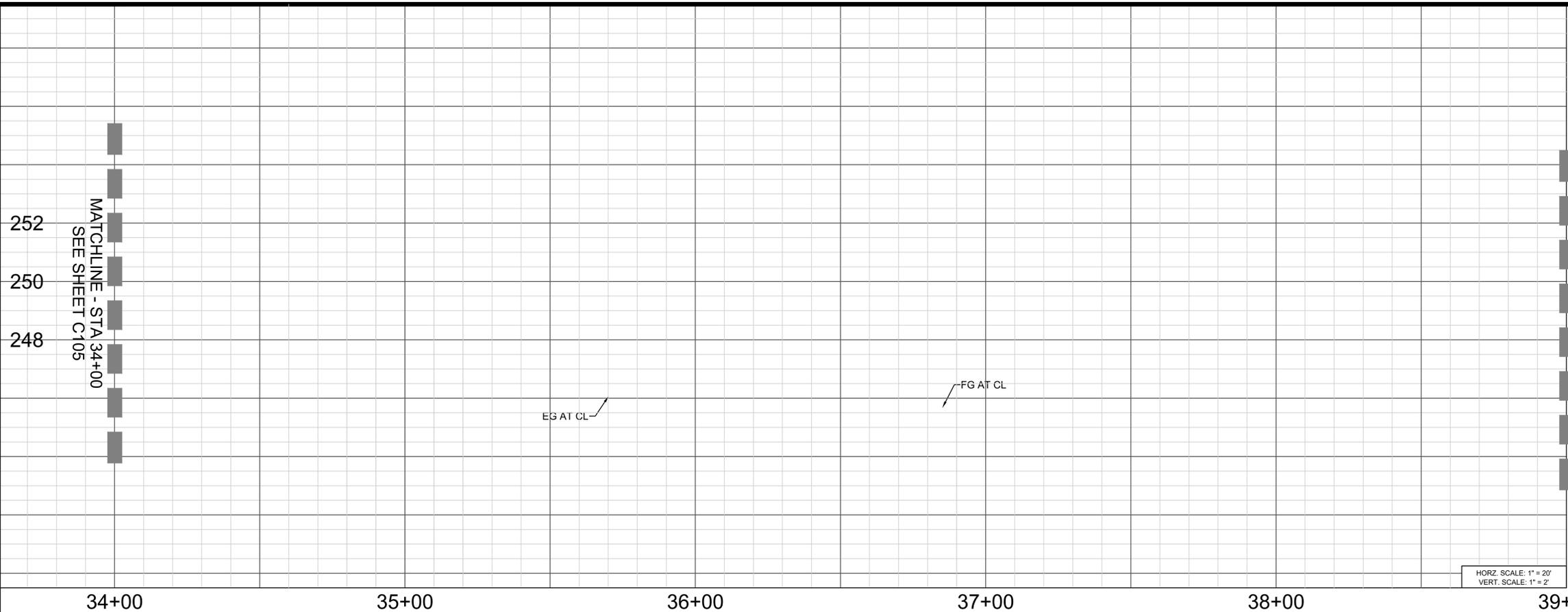


DRAFT CONCEPT PLANS
NOT FOR CONSTRUCTION

| REVISION | | REFERENCES | |
|----------|-------------|-----------------|----------------|
| DATE | DESCRIPTION | STANDARD PLANS: | UTILITY PLANS: |
| | | | |
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|-----------------------------------|------|
| Prepared under the supervision of | DATE |
| R.C.E. No. XXXXX | |
| Drawn by: XX | |
| Checked by: XX | |
| Recommended | |
| APPROVED | |

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| CONCEPT PLANS Atwood Multipurpose Trail City of Placentia PLAN AND PROFILE CITY OF PLACENTIA | DRAWING NO. C104 SHEET 6 OF 17 |
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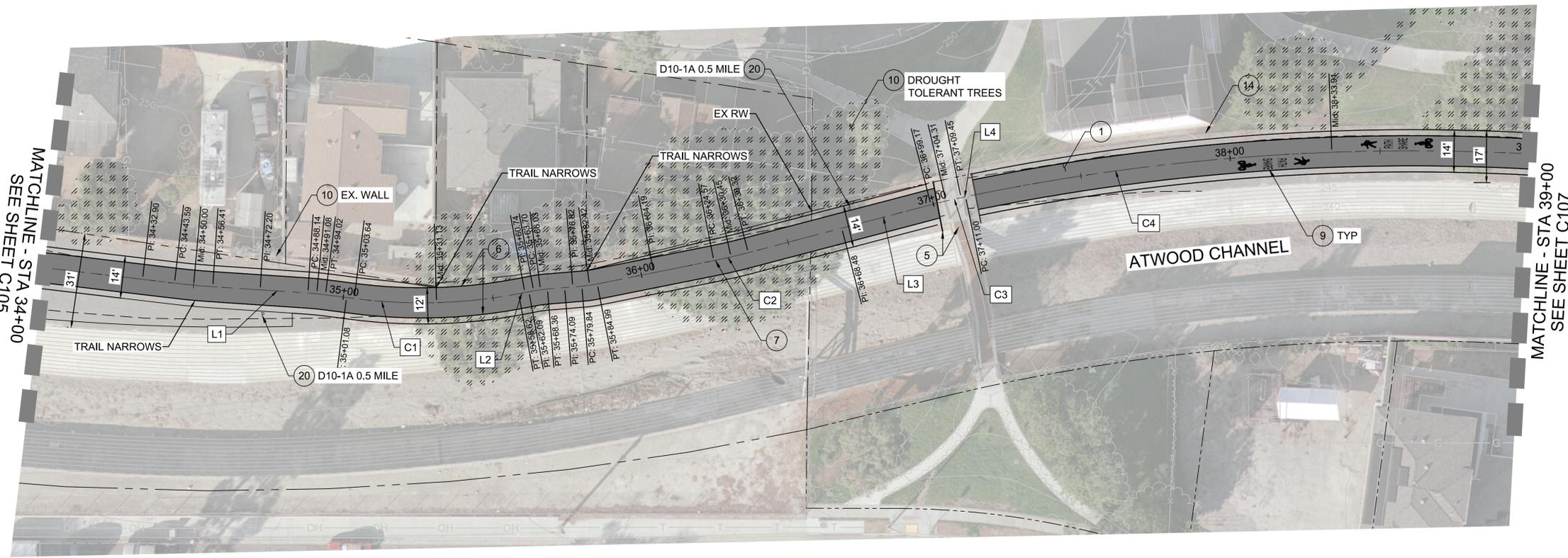
CONSTRUCTION NOTES

- 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
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- 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

- 244 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.

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SCALE PLAN SCALE FEET

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: | |
|------|--|--------|--|------------|--|----------------------|--|-----------|--|--------------------------|--|----------------------------|--|
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alta

Drawn by: ALTA STAFF
Checked by: VH
Recommended
APPROVED

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

DRAWING NO.
C106

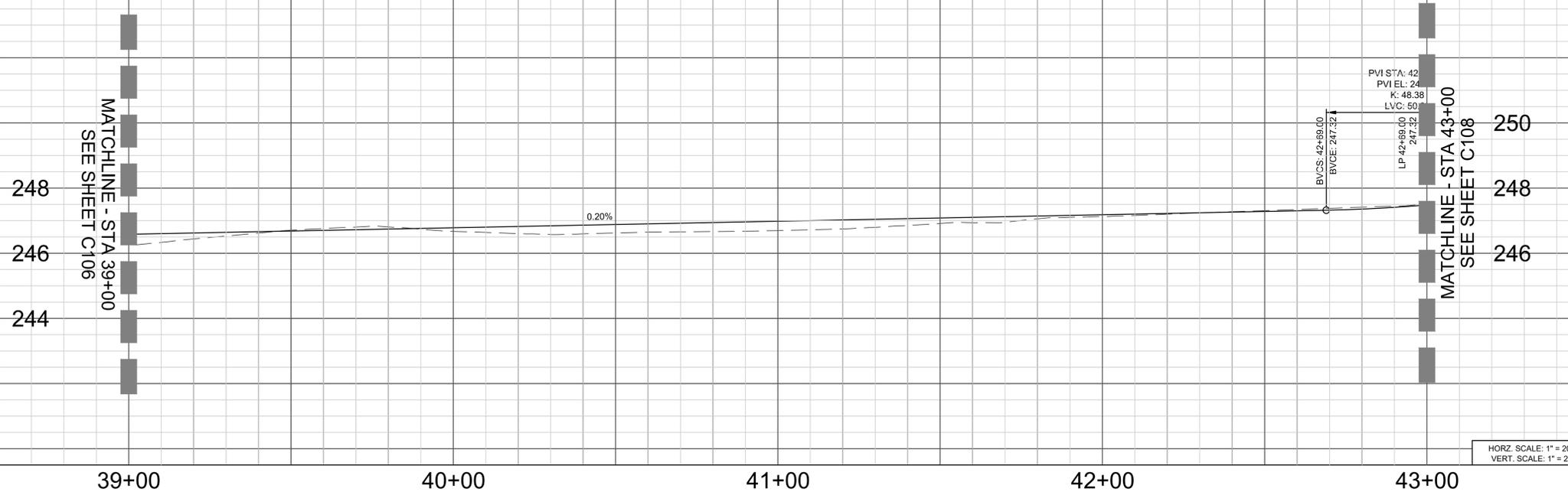
SHEET **8** OF **17**

CONSTRUCTION NOTES

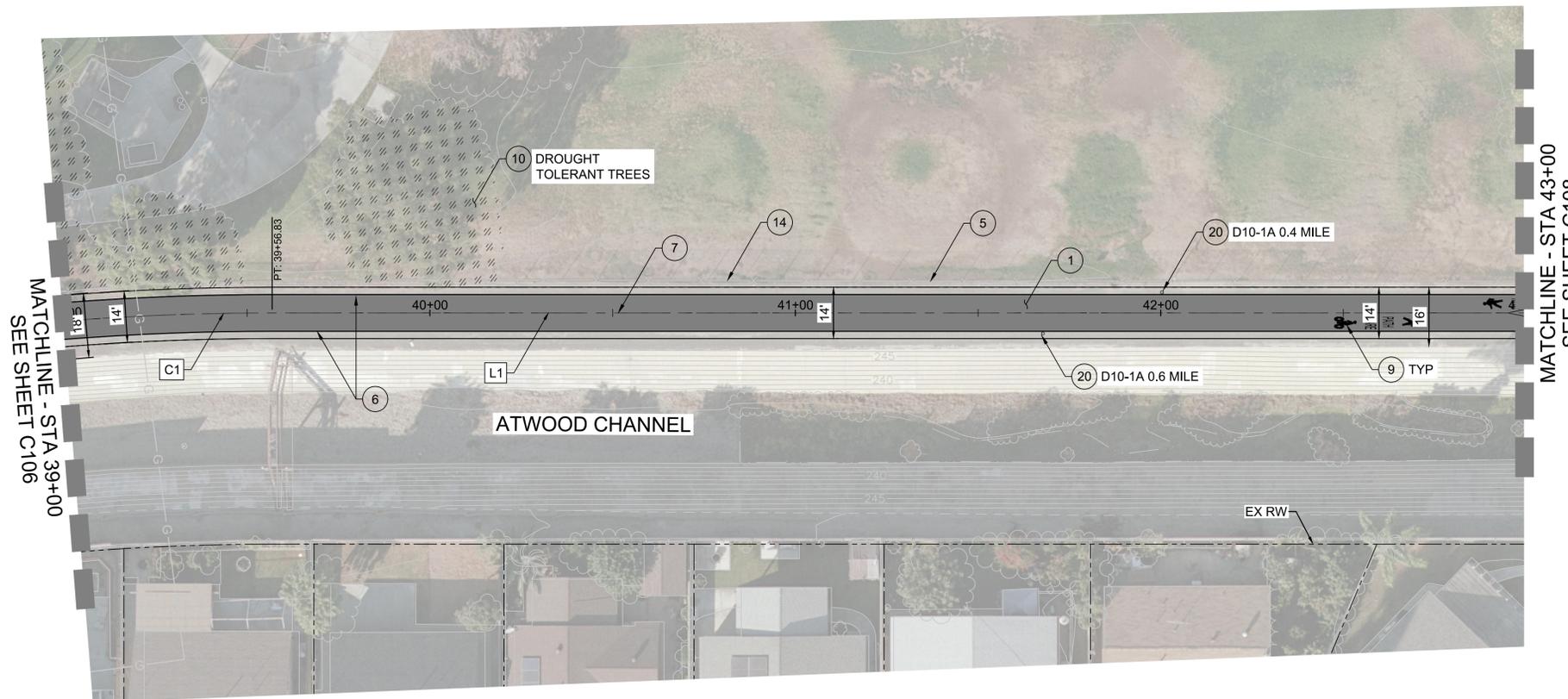
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- 9 INSTALL "SHARE PATH" PAVEMENT MARKINGS
- 10 PROTECT EXISTING IMPROVEMENTS IN PLACE.
- 14 PROTECT EXISTING FENCE IN PLACE. IF REPLACEMENT IS NEEDED INSTALL BLACK VINYL DRIPPED FENCE PER SPPWC STD PLAN 600-3 SUPPLEMENTED WITH OCPW STD PLAN 600-3-OC
- 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.



DRAFT CONCEPT PLANS
NOT FOR CONSTRUCTION

| REVISION | | | REFERENCES | | |
|----------|--------|------------|-------------|-----------|---------------------------|
| DATE | OWN BY | E.O.R. NO. | DESCRIPTION | APPD DATE | BENCH MARK: (SEE AT LEFT) |
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Checked by: VH
Recommended
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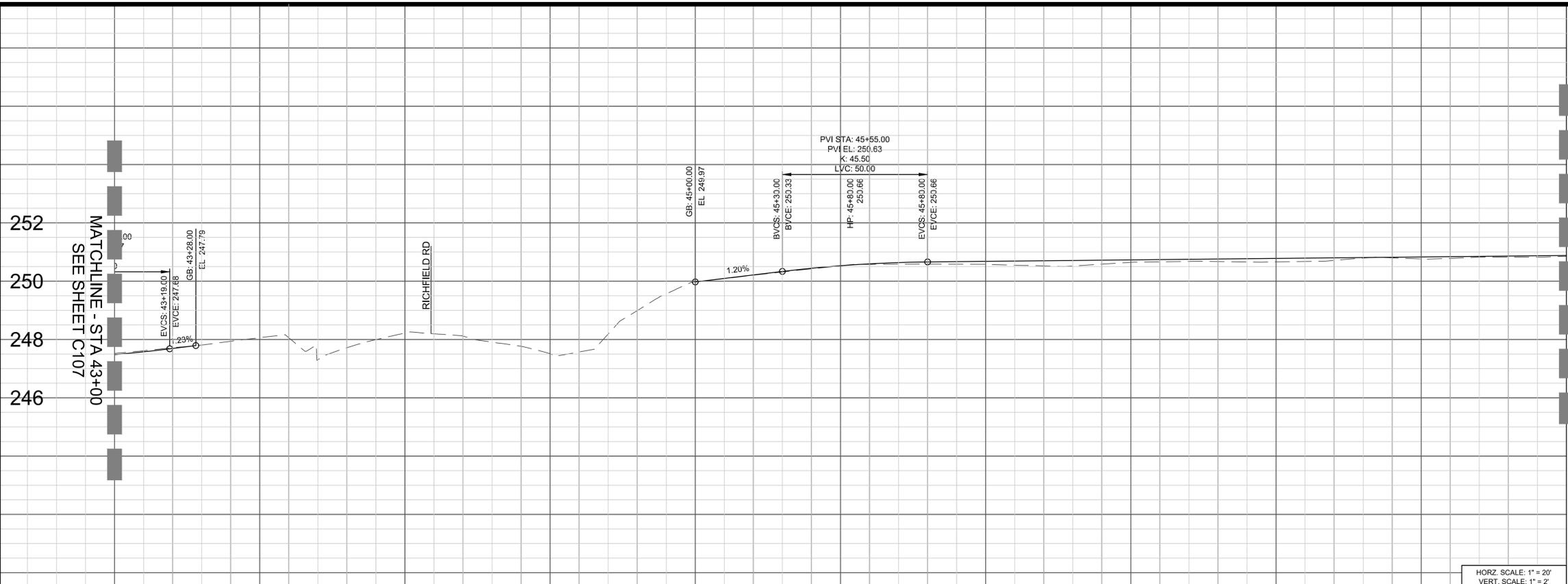
CONCEPT PLANS
Atwood Multipurpose Trail
City of Placentia

PLAN AND PROFILE

CITY OF PLACENTIA

DRAWING NO.
C107

SHEET **9** OF **17**



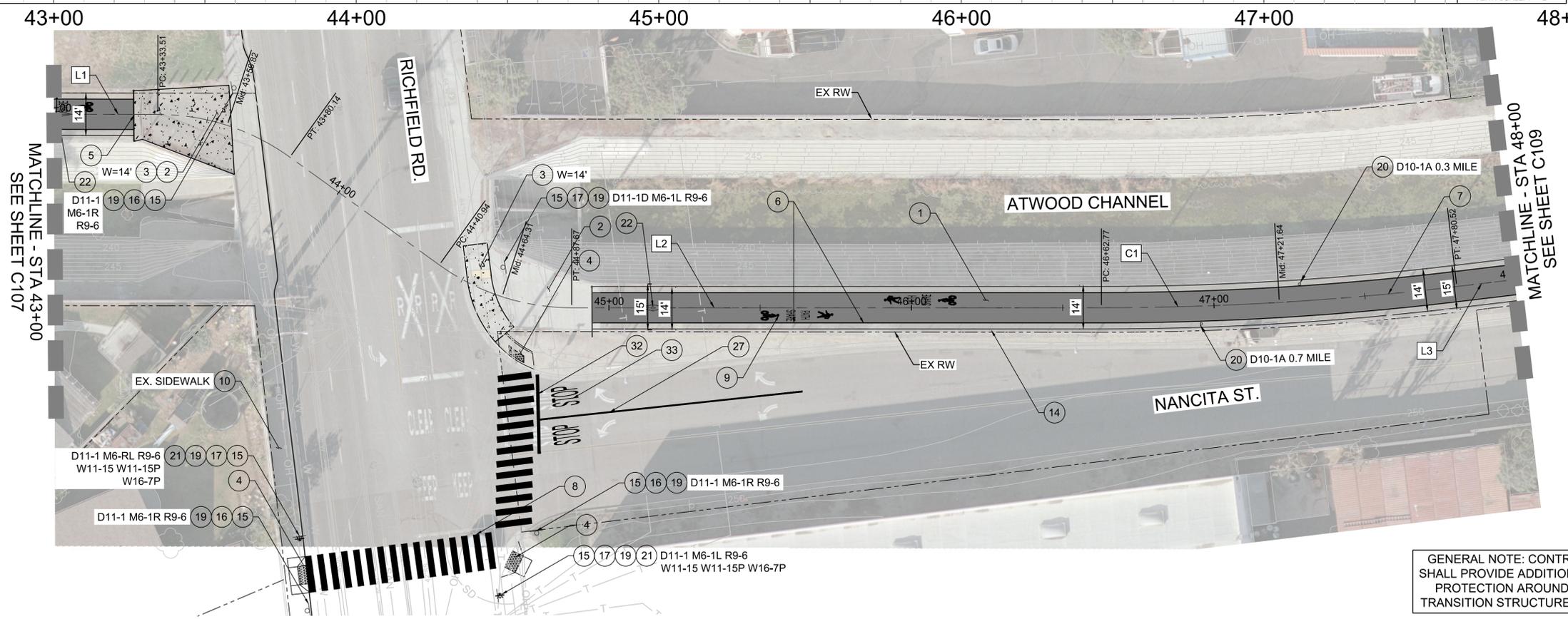
CONSTRUCTION NOTES

- 1 CONSTRUCT ASPHALT CONCRETE TRAIL (CLASS I) OVER NATIVE SOIL
- 2 REMOVE AND CONSTRUCT 4" PCC SIDEWALK PER OCPW STD PLAN 1204 & 1205
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- 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
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- 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 | - |



SCALE PLAN SCALE FEET

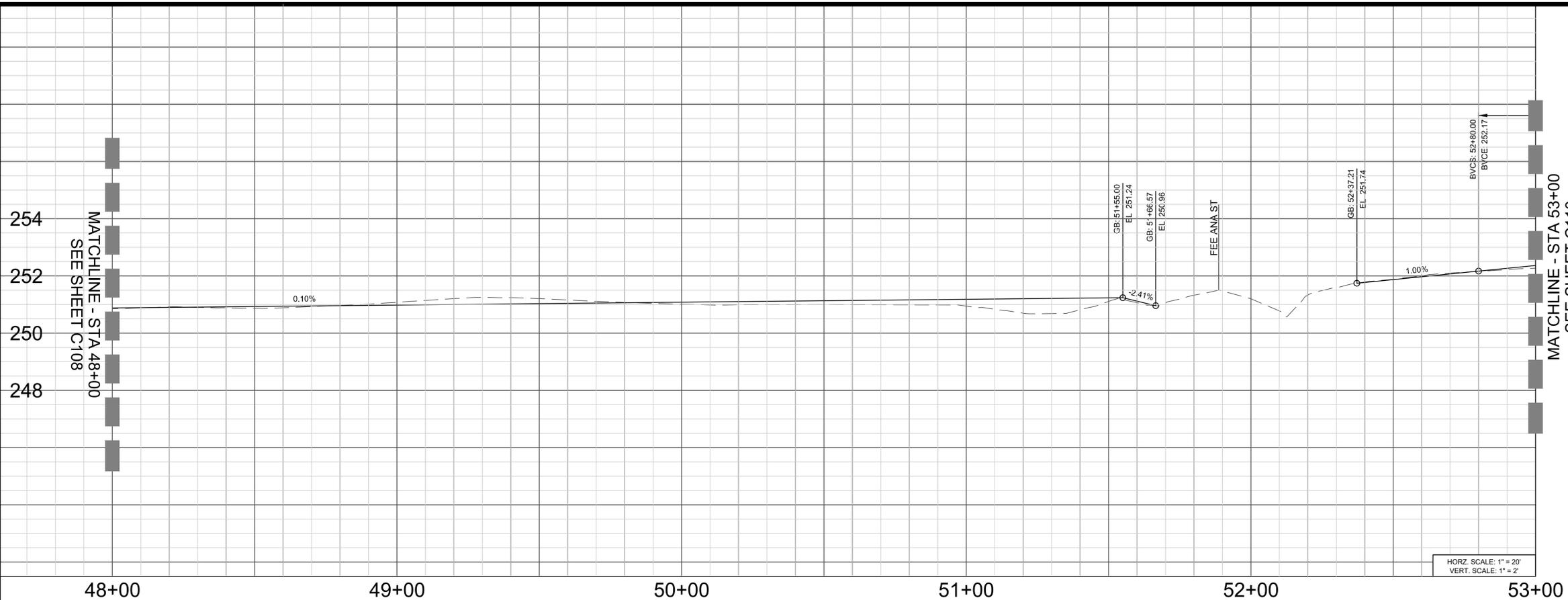
DRAFT CONCEPT PLANS
NOT FOR CONSTRUCTION

| REVISION | | REFERENCES | |
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| DATE | OWN BY | DESCRIPTION | APPD DATE |
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| STANDARD PLANS: |
|-----------------|
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| UTILITY PLANS: |
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| SEWER PLANS: |
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Drawn by: ALTA STAFF
Checked by: VH
Recommended
APPROVED

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| CONCEPT PLANS Atwood Multipurpose Trail City of Placentia PLAN AND PROFILE CITY OF PLACENTIA | DRAWING NO. C108 SHEET <u>10</u> OF <u>17</u> |
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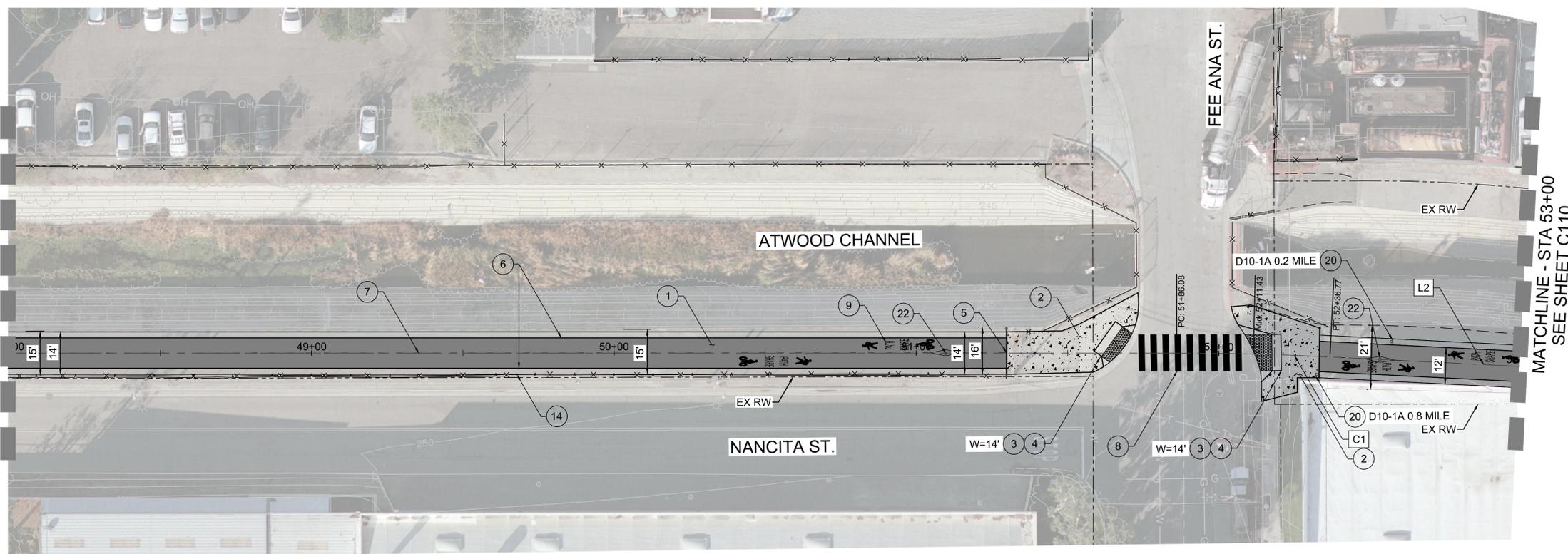
CONSTRUCTION NOTES

- 1 CONSTRUCT ASPHALT CONCRETE TRAIL (CLASS I) OVER NATIVE SOIL
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- 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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DRAFT CONCEPT PLANS
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| DATE | | OWN BY | | E.O.R. NO. | | REVISION DESCRIPTION | | APPD DATE | | BENCH MARK (SEE AT LEFT) | | REFERENCES | |
|------|--|--------|--|------------|--|----------------------|--|-----------|--|--------------------------|--|-----------------|--|
| | | | | | | | | | | | | STANDARD PLANS: | |
| | | | | | | | | | | | | UTILITY PLANS: | |
| | | | | | | | | | | | | SEWER PLANS: | |

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 Drawn by: ALTA STAFF
 Checked by: VH
 Recommended
 APPROVED

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

DRAWING NO.
C109

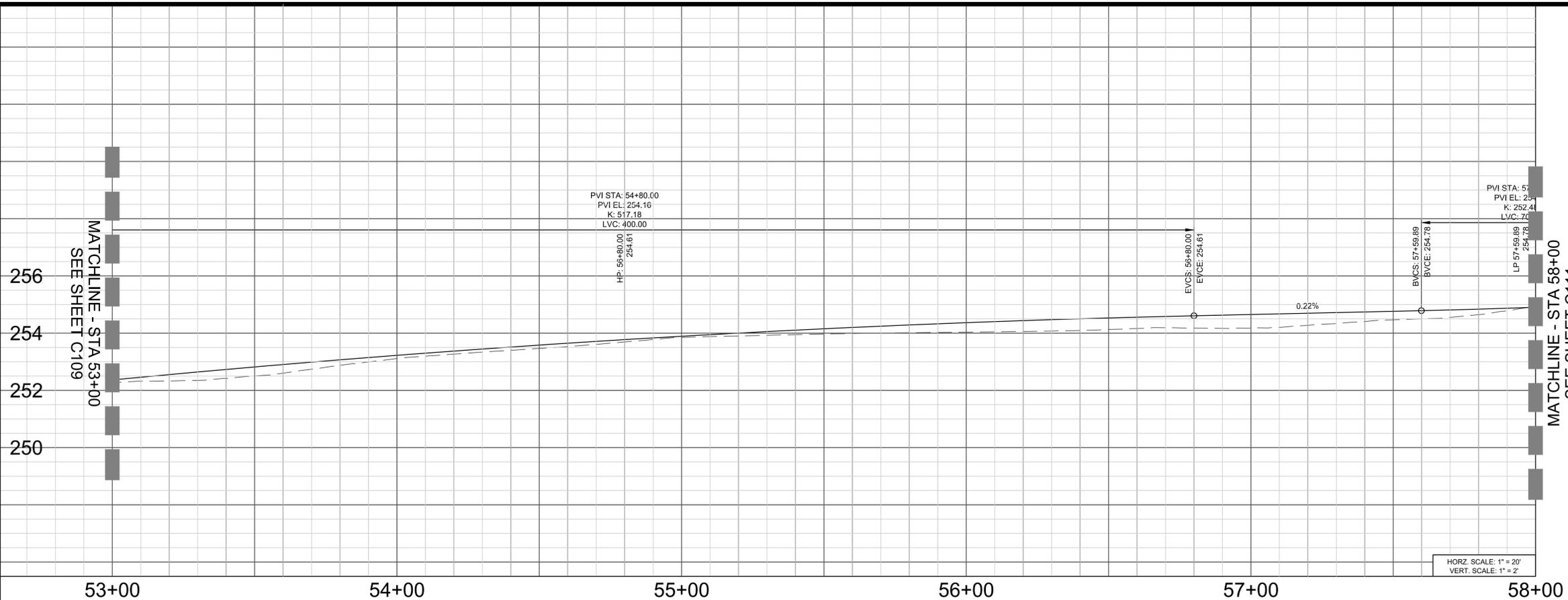
SHEET **11** OF **17**

CONSTRUCTION NOTES

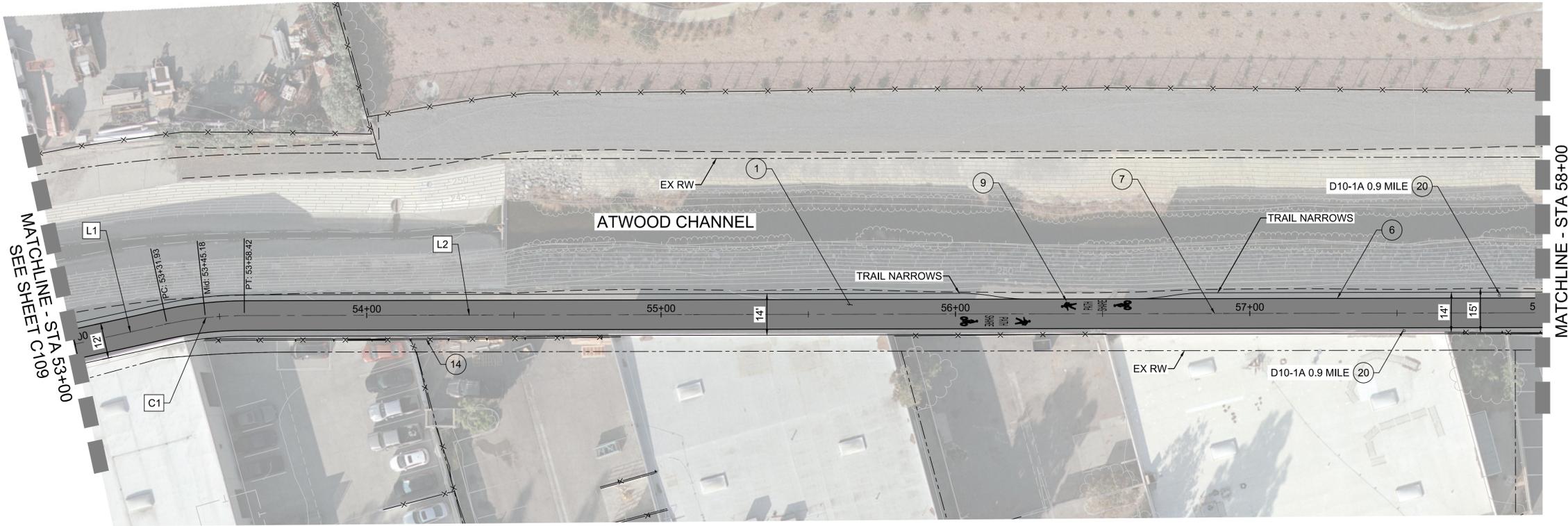
- 1 CONSTRUCT ASPHALT CONCRETE TRAIL (CLASS I) OVER NATIVE SOIL
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- 20 ADD D10-1A MILE MARKER SIGN PER CA MUTCD STANDARDS

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.



DRAFT CONCEPT PLANS
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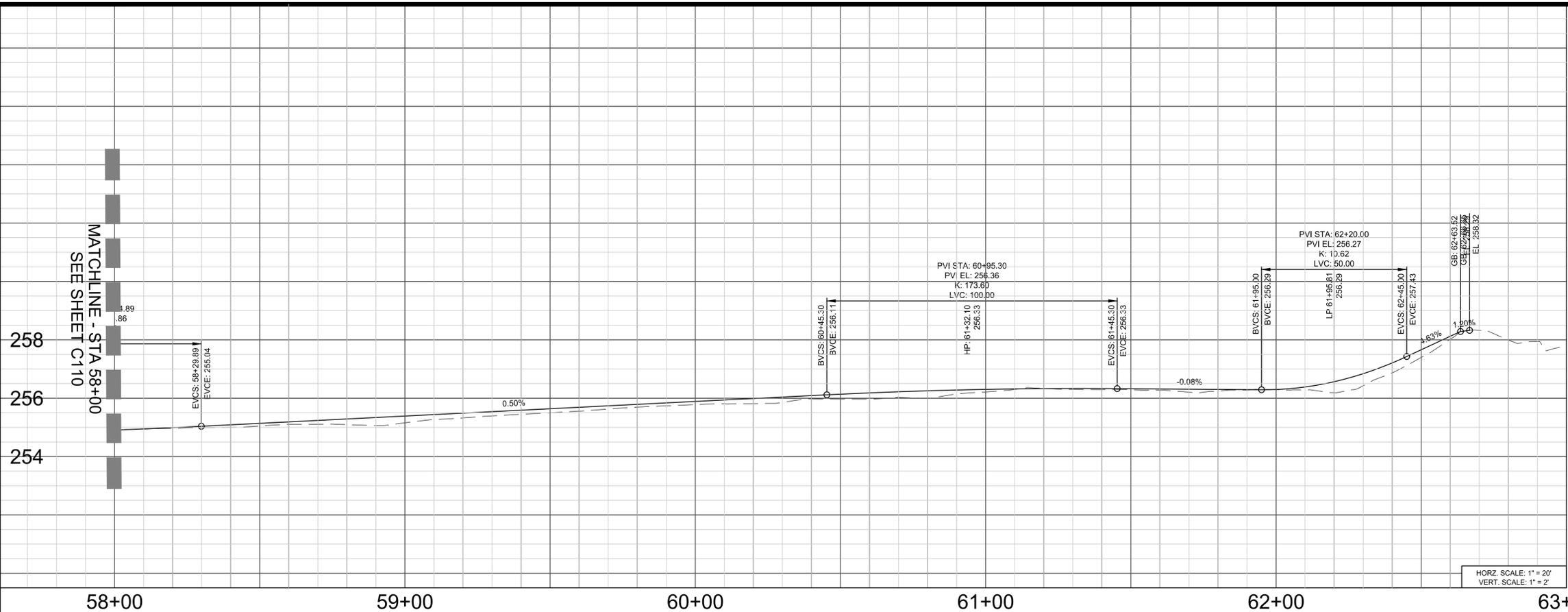
| REVISION | | REFERENCES | |
|----------|-------------|---------------------------|-----------------|
| DATE | DESCRIPTION | BENCH MARK: (SEE AT LEFT) | STANDARD PLANS: |
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Checked by: VH
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CONCEPT PLANS
Atwood Multipurpose Trail
City of Placentia
PLAN AND PROFILE
CITY OF PLACENTIA

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



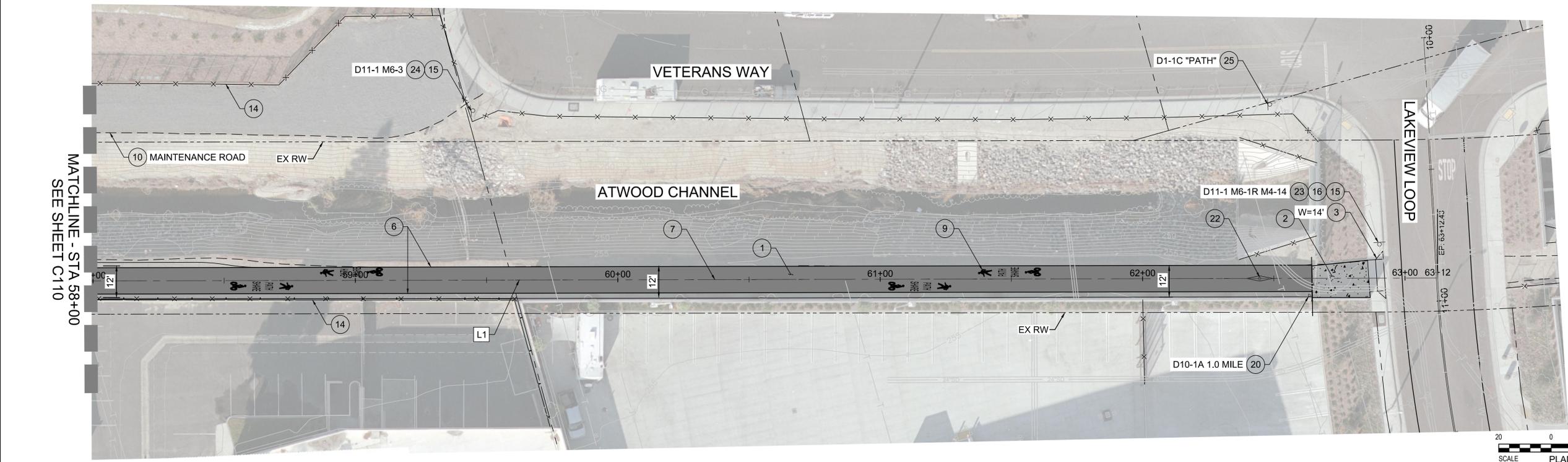
CONSTRUCTION NOTES

- 1 CONSTRUCT ASPHALT CONCRETE TRAIL (CLASS I) OVER NATIVE SOIL
- 2 REMOVE AND CONSTRUCT 4" PCC SIDEWALK PER OCPW STD PLAN 1204 & 1205
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- 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

| # | 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.



DRAFT CONCEPT PLANS NOT FOR CONSTRUCTION

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

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

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

CONSTRUCTION NOTES

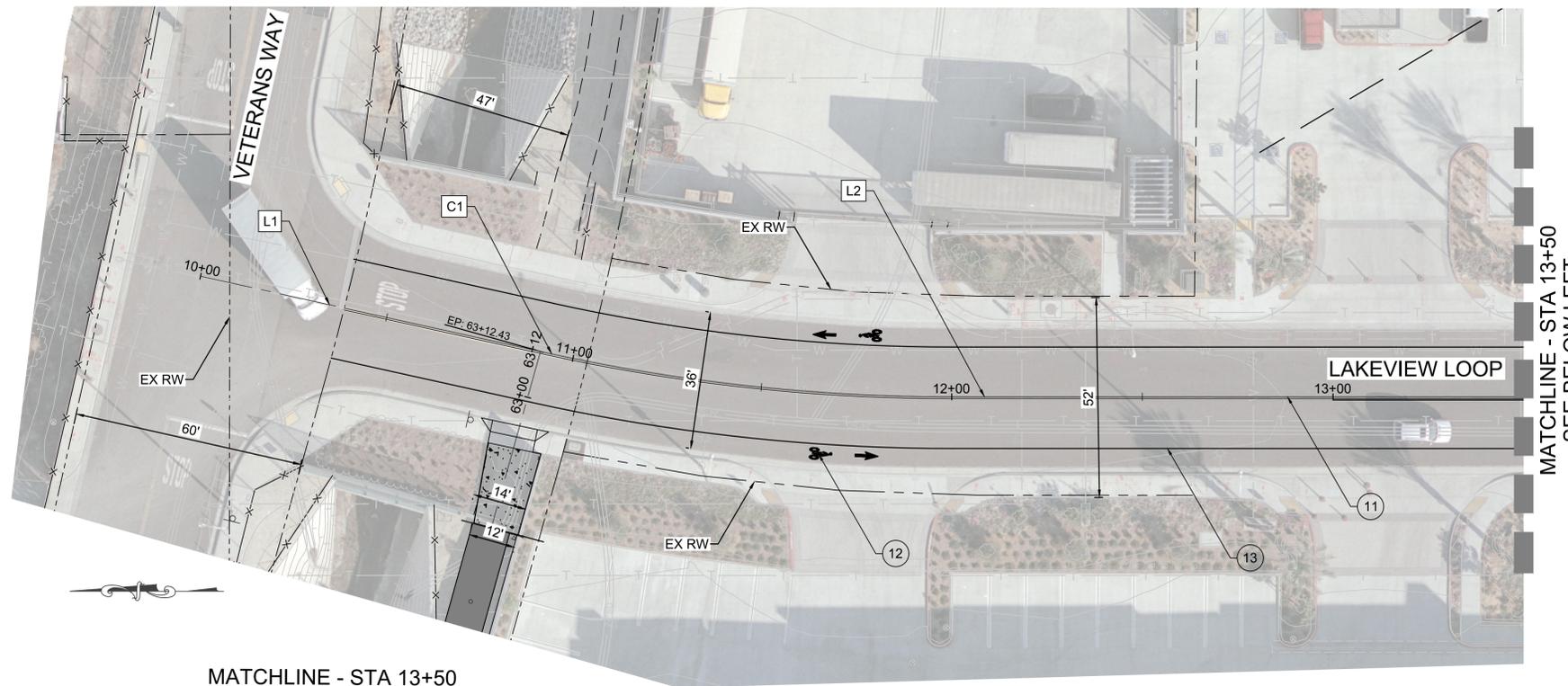
- 11 INSTALL 6" DOUBLE YELLOW CENTERLINE PER CALTRANS STD PLAN A20A, DETAIL 21
- 12 INSTALL BIKE LANE SYMBOL PER CALTRANS STD PLAN A24C
- 13 INSTALL 6" SOLID WHITE BIKE LANE STRIPING PER CALTRANS STANDARD PLAN A20D, DETAIL 39

LEGEND

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

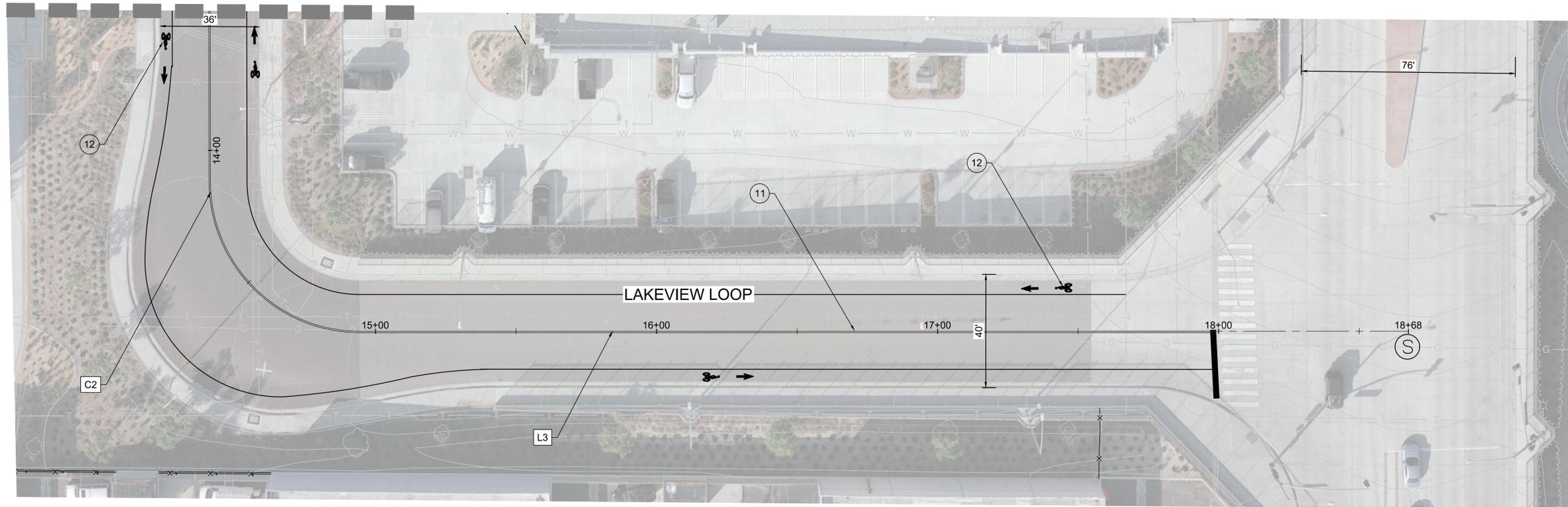
LINE / CURVE TABLE

| # | 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.



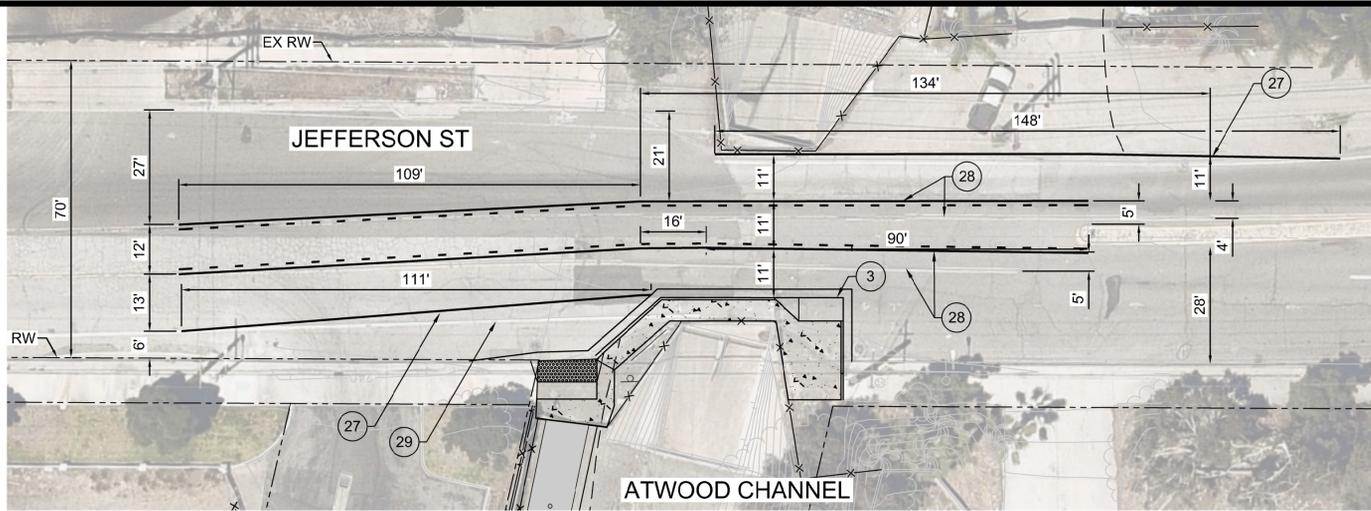
DRAFT CONCEPT PLANS
NOT FOR CONSTRUCTION

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



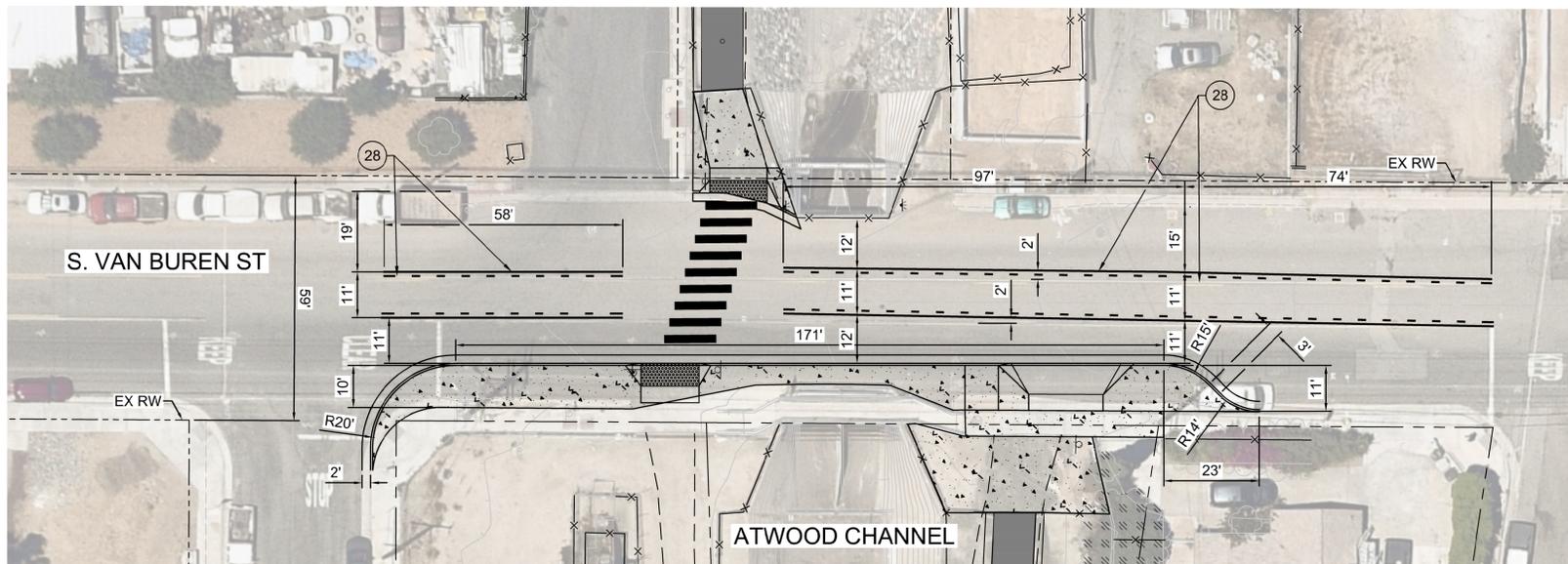
A JEFFERSON STRIPING DETAIL
1:20

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



DRAFT CONCEPT PLANS
NOT FOR CONSTRUCTION

| REVISION | | | | REFERENCES | | |
|----------|--------|------------|-------------|------------|---------------------------|-----------------|
| DATE | OWN BY | E.O.R. NO. | DESCRIPTION | APP'D DATE | BENCH MARK: (SEE AT LEFT) | STANDARD PLANS: |
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|-----------------------------------|-------|
| 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
DETAIL SHEET
CITY OF PLACENTIA

DRAWING NO.
 D101
SHEET 15 OF 17

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