

GENERAL NOTES

1. **STANDARDS.** ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CURRENT EDITION OF THE CITY'S IMPROVEMENT STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION (AND SUBSEQUENT AMENDMENTS), THE CITY'S ENGINEERING AND CONSTRUCTION MANUAL, CITY CODES AND REQUIREMENTS, THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREENBOOK), THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT STANDARD DRAWINGS, THE CALTRANS STANDARD SPECIFICATIONS 2018, CALTRANS STANDARD DRAWINGS 2018, AND THESE PLANS AND PROJECT SPECIFICATIONS.
2. **EMERGENCY TELEPHONE NUMBERS.** (ANSWERING MACHINE IS NOT ACCEPTABLE):
- | | | |
|---------------------------------|-----------|----------------------|
| (RESPONSIBLE PERSON/DEVELOPER) | (COMPANY) | (24-HR PHONE NUMBER) |
| (RESPONSIBLE PERSON/CONTRACTOR) | (COMPANY) | (24-HR PHONE NUMBER) |
3. **LICENSE/PERMIT REQUIREMENT.**
- A. PRIOR TO START OF ANY WORK, A BUSINESS LICENSE SHALL BE OBTAINED FROM THE CITY.
- B. A GRADING PERMIT SHALL BE OBTAINED PRIOR TO ANY WORK. THE PERMIT AND AN APPROVED SET OF IMPROVEMENT PLANS MUST BE PRESENT AT THE JOB SITE DURING CONSTRUCTION.
- C. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO APPLY TO THE CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) FOR AN ENCROACHMENT PERMIT FOR ALL WORK PERFORMED WITHIN THE STATE RIGHT-OF-WAY.
- D. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO APPLY TO THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT (RCFC&WCD) FOR AN ENCROACHMENT PERMIT FOR ALL WORK PERFORMED WITHIN THE RCFC&WCD RIGHT-OF-WAY.
4. **ERRORS OR OMISSIONS.** APPROVAL OF THESE PLANS BY THE CITY DOES NOT RELIEVE THE APPLICANT AND ENGINEER OF RECORD FROM THE RESPONSIBILITY FOR THE CORRECTION OF ERRORS OR OMISSIONS DISCOVERED DURING CONSTRUCTION.
5. **WORKING HOURS.** CITY ORDINANCE NO. 94-25 STATES THAT NO PERSON SHALL ENGAGE IN OR CONDUCT CONSTRUCTION ACTIVITY, WHEN THE CONSTRUCTION SITE IS WITHIN ONE-QUARTER OF A MILE OF AN OCCUPIED RESIDENCE, BETWEEN THE HOURS OF 6:30 PM AND 6:30 AM, MONDAY THROUGH FRIDAY AND SHALL ONLY ENGAGE IN OR CONDUCT CONSTRUCTION ACTIVITY BETWEEN THE HOURS OF 7:00 AM AND 6:30 PM ON SATURDAY. NO CONSTRUCTION ACTIVITY SHALL BE UNDERTAKEN ON SUNDAY AND NATIONALLY RECOGNIZED HOLIDAYS.
6. **REGULATORY AGENCY CLEARANCES.** THE ISSUANCE OF A PERMIT BY THE CITY DOES NOT IMPLY OR PROVIDE ANY CLEARANCES FROM STATE OR FEDERAL AGENCIES REGULATING THE PROVISIONS OF STATE OR FEDERAL ENDANGERED SPECIES ACTS OR WATER QUALITY REGULATIONS. THE APPROPRIATE CLEARANCES FROM THESE AGENCIES SHALL BE OBTAINED PRIOR TO ANY SITE DISTURBANCE OR GRADING.
7. CONTRACTOR SHALL OBTAIN ANY REQUIRED O.S.H.A. PERMITS PRIOR TO ANY EXCAVATIONS.
8. **CONSTRUCTION CHANGE.** ANY CONSTRUCTION CHANGE MUST BE FIRST SUBMITTED TO THE CITY AS A REDLINE REVISION FOR REVIEW AND APPROVAL PRIOR TO IMPLEMENTING THE CHANGE IN THE FIELD. REFER TO THE CITY'S ENGINEERING AND CONSTRUCTION MANUAL.
9. **PRE-CONSTRUCTION MEETING.** A PRE-CONSTRUCTION MEETING SHALL BE SCHEDULED PRIOR TO THE START OF CONSTRUCTION. DURING CONSTRUCTION, A DEPENDABLE AND RESPONSIVE CONTRACTOR'S REPRESENTATIVE SHALL BE AT THE JOB SITE AT ALL TIMES.
10. **UTILITIES.** APPROVAL OF THESE PLANS BY THE CITY DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF THE LOCATION, NOR THE EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITIES WITHIN THE PROJECT LIMITS. ANY UTILITY DAMAGED DURING THE PERFORMANCE OF THE WORK SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE GOVERNING AGENCY BY THE CONTRACTOR, AT HIS EXPENSE.
11. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT AT 811 TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL UTILITIES. FOR EMERGENCY ASSISTANCE CALL:
- | | |
|----------------------------------|--------------|
| SOUTHERN CALIFORNIA EDISON | 951-928-8275 |
| SOUTHERN CALIFORNIA GAS | 800-427-2200 |
| RANCHO CALIFORNIA WATER DISTRICT | 951-296-6900 |
| EASTERN MUNICIPAL WATER DISTRICT | 800-698-0400 |
| VERIZON | 951-925-5319 |
| AT&T | 909-381-7385 |
| PACIFIC BELL | 951-359-2255 |
| TW TELECOM | 909-456-3697 |
| LEVEL 3 COMMUNICATIONS | 720-888-7568 |
| UNDERGROUND SERVICE ALERT | 811 |
13. UTILITY LOCATIONS ARE APPROXIMATE UNLESS OTHERWISE NOTED.
14. ALL UNDERGROUND UTILITIES TO BE CONSTRUCTED WITHIN THE STREET RIGHT-OF-WAY SHALL BE INSTALLED, CONNECTED AND TESTED PRIOR TO CONSTRUCTION OF ANY CONCRETE CURBS, GUTTERS, OR ASPHALT CONCRETE PAVEMENT.
15. **SURVEY.** IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER OF RECORD AND TO INSTALL STREET CENTERLINE MONUMENTS, AS REQUIRED BY RIVERSIDE COUNTY ORDINANCE NO. 491. CENTERLINE TIES SHALL BE PROVIDED TO THE CITY ENGINEER, UPON COMPLETION OF THE PROJECT AND BEFORE ACCEPTANCE IS GRANTED. ALL EXISTING CITY MONUMENTATION (DISTURBED OR DESTROYED DURING CONSTRUCTION) SHALL BE REPLACED TO CITY STANDARDS IN ACCORDANCE WITH THE LAND SURVEYORS ACT AND THE STREETS AND HIGHWAY CODE, AND AS APPROVED BY THE CITY ENGINEER. UPON REQUEST, SURVEY CUT SHEETS SHALL BE PROVIDED TO THE CITY ENGINEER. ALL RCFC&WCD SURVEY MONUMENTS SHALL BE PROTECTED IN PLACE.
16. **DUST CONTROL.** DUST SHALL BE CONTROLLED BY WATERING OR OTHER METHODS, AS APPROVED BY THE CITY ENGINEER AND SHALL COMPLY WITH SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT'S (SCAQM) RULE 403.
17. **INSPECTIONS.** ALL WORK PERFORMED WITHOUT PROPER INSPECTION FROM THE CITY MAY BE SUBJECT TO REJECTION.
18. ALL PROPERTY CORNERS SHALL BE UNDISTURBED BY THE CONSTRUCTION OF IMPROVEMENTS. DISTURBED PROPERTY CORNERS SHALL BE RESET AT THE CONTRACTORS EXPENSE.
19. ALL STATIONS REFER TO CENTERLINE OF CONSTRUCTION UNLESS OTHERWISE NOTED.
20. ALL CROSS SECTIONS ARE TAKEN LOOKING UP STATION.

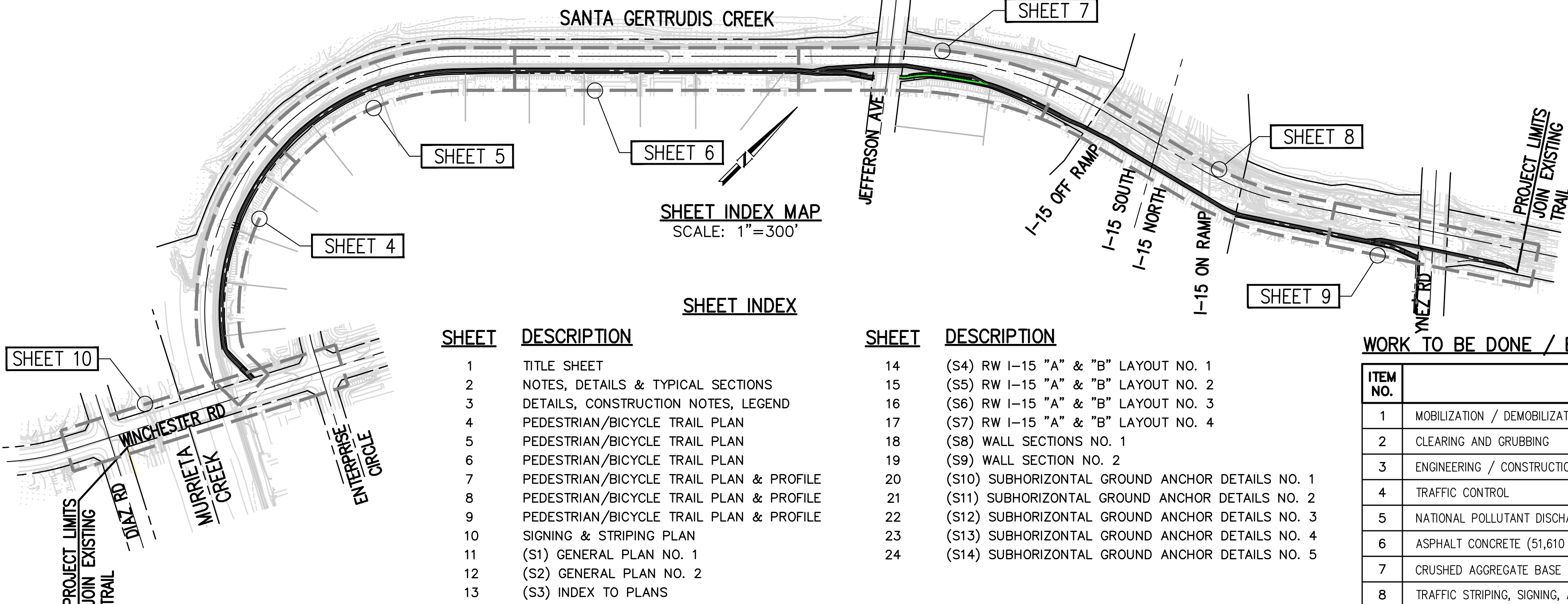


BASIS OF BEARINGS

THE BASIS OF BEARINGS ARE BASED ON THE LINE BETWEEN STATIONS "P477" AND "BILL" (POSITIONS PER NATIONAL GEODETIC SURVEY, NAD 83, EPOCH 2007) AS SHOWN ON THE NATIONAL GEODETIC SURVEY PUBLISHED DATA SHEETS, BEING N28°53'23.30"E (GRID BEARING)

CITY OF TEMECULA
RIVERSIDE COUNTY, CALIFORNIA
SANTA GERTRUDIS CREEK PEDESTRIAN/BICYCLE TRAIL EXTENSION AND INTERCONNECT

PROJECT NO. PW08-04



SHEET INDEX

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1	TITLE SHEET
2	NOTES, DETAILS & TYPICAL SECTIONS
3	DETAILS, CONSTRUCTION NOTES, LEGEND
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5	PEDESTRIAN/BICYCLE TRAIL PLAN
6	PEDESTRIAN/BICYCLE TRAIL PLAN
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8	PEDESTRIAN/BICYCLE TRAIL PLAN & PROFILE
9	PEDESTRIAN/BICYCLE TRAIL PLAN & PROFILE
10	SIGNING & STRIPING PLAN
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12	(S2) GENERAL PLAN NO. 2
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15	(S5) RW I-15 "A" & "B" LAYOUT NO. 2
16	(S6) RW I-15 "A" & "B" LAYOUT NO. 3
17	(S7) RW I-15 "A" & "B" LAYOUT NO. 4
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20	(S10) SUBHORIZONTAL GROUND ANCHOR DETAILS NO. 1
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GRADING NOTES CONT.

6. **DRAINAGE.**
- A. AS APPLICABLE, PROVIDE CONCRETE BROW DITCHES TO CONVEY 100-YEAR STORM FLOWS OR PROVIDE GRADED BERMS ALONG THE TOP OF ALL GRADED SLOPES OVER THREE FEET IN VERTICAL HEIGHT OR THAT ARE ADJACENT TO GRADED AREAS, TO DIRECT SURFACE RUNOFF AWAY FROM THE TOP OF SLOPES. ALL DRAINAGE DEVICES SHALL BE CONSTRUCTED PER THE APPROVED PLANS.
- B. EXISTING DRAINAGE COURSES SHALL CONTINUE TO FUNCTION AT ALL TIMES. NO OBSTRUCTION OF FLOOD PLAINS OR NATURAL WATER COURSES SHALL BE PERMITTED.
- C. TEMPORARY DRAINAGE SHALL BE PROVIDED UNTIL PERMANENT DRAINAGE STRUCTURES ARE INSTALLED. PROTECTIVE MEASURES SHALL BE IMPLEMENTED TO PROTECT ADJOINING AND DOWNSTREAM PROPERTIES FROM SILT DEPOSITION AND PONDING WATER DURING CONSTRUCTION / GRADING OPERATIONS.
- D. APPROVED PROTECTIVE MEASURES AND TEMPORARY DRAINAGE PROVISIONS MUST BE USED TO PROTECT ADJOINING PROPERTIES DURING THE GRADING PROJECT.
- E. DRAINAGE EASEMENTS SHALL BE KEPT CLEAR OF ALL OBSTRUCTIONS; NO BUILDING OR WALLS SHALL BE PLACED WITHIN THE LIMITS OF EASEMENTS.
- F. THE MINIMUM GRADE FOR CONCRETE SURFACE DRAINAGE FACILITIES SHALL BE A ONE-HALF PERCENT (0.5%).

7. **PROPERTY CORNERS.** ALL PROPERTY CORNERS SHALL BE CLEARLY DELINEATED IN THE FIELD PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION/GRADING ACTIVITY, AS DIRECTED BY THE CITY ENGINEER.
8. A FILL COMPACTION REPORT WILL BE REQUIRED FOR ALL FILLS GREATER THAN ONE FOOT.
9. CUT AND FILL SLOPES SHALL BE PROTECTED WITH A COMBINATION OF EROSION AND SEDIMENT CONTROLS TO PROTECT THE SLOPE FROM EROSION AND INSTABILITY DURING THE GRADING PHASE.

PAVING NOTES ON SHEET 2

EROSION AND SEDIMENT CONTROL NOTES ON SHEET 2

SIGNING AND STRIPING NOTES ON SHEET 10

WORK TO BE DONE / BID ITEMS (CALTRANS TEMPORARY BMPs)

BMP NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT
SS-07	GEOTEXTILES AND MATS	7200	SF
SC-01	SILT FENCES	600	LF
SC-03	SEDIMENT TRAP	2	EA
SC-04	CHECK DAM	100	LF
SC-05	FIBER ROLLS	1800	LF
SC-06	GRAVEL BAG BERM	600	LF
SC-10	STORM DRAIN INLET PROTECTION	2	EA
TC-1	STABILIZED CONSTRUCTION ENTRANCE/EXIT	1	EA

WORK TO BE DONE / BID ITEMS

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT
1	MOBILIZATION / DEMOBILIZATION	1	LS
2	CLEARING AND GRUBBING	1	LS
3	ENGINEERING / CONSTRUCTION SURVEYING	1	LS
4	TRAFFIC CONTROL	1	LS
5	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) COMPLIANCE	1	LS
6	ASPHALT CONCRETE (51,610 SF)	1,065	TON
7	CRUSHED AGGREGATE BASE (51,610 SF)	1,935	TON
8	TRAFFIC STRIPING, SIGNING, AND PAVEMENT LEGENDS	1	LS
9	CONCRETE PAVEMENT	21,400	SF
10	CONCRETE DRAINAGE APRON	730	SF
11	PIPE SWING GATE	4	EA
12	CONCRETE CHANNEL LINING	8,650	SF
13	REMOVE EXISTING PAVEMENT	2,450	SF
14	REMOVE EXISTING CHANNEL LINING	45,500	SF
15	STORM DRAIN / CULVERT TRANSITION STRUCTURE	1	EA
16	REPLACE TRAFFIC SIGNAL LOOP DETECTORS	10	EA
17	ROADWAY EXCAVATION	1,900	CY
18	GAGE STATION RELOCATION	1	EA
19	STEEL LADDER RELOCATION	1	EA
20	STRUCTURE EXCAVATION	5,250	CY
21	STRUCTURE BACKFILL	4,025	CY
22	GROUND ANCHOR (SUBHORIZONTAL)	138	EA
23	STRUCTURAL CONCRETE	1,680	CY
24	STRUCTURAL SHOTCRETE	180	CY
25	BAR REINFORCING (RETAINING WALL)	113,675	LB
26	MINOR CONCRETE (GUTTER)	430	LF
27	CABLE RAILING (STANDARD)	700	LF
28	LANDSCAPE AND IRRIGATION RESTORATION	1	LS
29	SITE ELECTRICAL	1	LS
30	SITE LIGHTING	1	LS
31	CHAIN LINK FENCE	5,500	LF
32	PERMEABLE PAVEMENT (4,190 SF)	55	CY
33	PERMEABLE PAVEMENT ROCK BASE (4,190 SF)	160	TON
34	CONCRETE EDGE RESTRAINT	1,675	LF

ENGINEER'S NOTICE TO CONTRACTOR

1. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
2. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A DILIGENT SEARCH OF AVAILABLE RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN AND ANY OTHER LINES OR STRUCTURES NOT SHOWN ON THESE PLANS AND IS RESPONSIBLE FOR THE PROTECTION OF, AND ANY DAMAGE TO THESE LINES OR STRUCTURES. THE CONTRACTOR SHALL CALL 811 AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATION IN ORDER TO DETERMINE ACTUAL FIELD LOCATIONS OF EXISTING UTILITIES
3. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER CITY OF TEMECULA APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY OF TEMECULA.

CONSTRUCTION RECORD	DATE	BY	REVISIONS	DATE	ACC'D	BENCHMARK	SCALE		 41951 Remington Avenue Suite 220 Temecula California 92590-2553 Phone: 951.294.9300	RECOMMENDED BY: _____ DATE: _____ AMER ATTAR PRINCIPAL ENGINEER	 CITY OF TEMECULA DEPARTMENT OF PUBLIC WORKS SANTA GERTRUDIS CREEK PEDESTRIAN/BICYCLE TRAIL EXTENSION AND INTERCONNECT PW08-04 TITLE SHEET	Drawing No. 01	
CONTRACTOR _____						3 1/4" ALUM. DISK STAMPED "RIVERSIDE COUNTY BENCHMARK 600-10-68 RESET 1987" LOCATED 2.0 MILES NORTHWEST ON FRONT STREET FROM MAIN STREET IN TEMECULA, 1.4 MILES NORTHWEST ON JEFFERSON STREET, 38' NORTHEASTERLY OF CENTERLINE OF JEFFERSON, 65' SOUTHEASTERLY OF CENTERLINE OF DATE STREET. ELEVATION=1039.286' NAVD 29	HORIZONTAL			PREPARED BY: _____ DATE: _____ GAVIN D. POWELL R.C.E.No. 67187		ACCEPTED BY: _____ DATE: _____ PATRICK A. THOMAS DIRECTOR OF PUBLIC WORKS R.C.E. No. 44223	SHT. 1 OF 24
INSPECTOR _____							AS SHOWN						
DATE COMPLETED _____							VERTICAL N/A						

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PAVING NOTES

1. **STANDARDS.** ALL WORK AND MATERIALS (I.E., ASPHALT CONCRETE (AC) PAVEMENT, PORTLAND CONCRETE CEMENT (PCC), BASE COURSE, ETC.) SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (I.E., GREENBOOK) LATEST EDITION, THE ENGINEERING AND CONSTRUCTION MANUAL, CITY AND ENGINEERING STANDARDS AND REQUIREMENTS.
2. **PERMIT REQUIREMENTS.** A GRADING OR ENCROACHMENT PERMIT(S) SHALL BE OBTAINED PRIOR TO PAVING. BEFORE OBTAINING AN ENCROACHMENT PERMIT, A CERTIFICATE OF INSURANCE AND THE REQUIRED BONDING (FOR PUBLIC IMPROVEMENTS) SHALL BE PROVIDED TO THE CITY ENGINEER. A CALTRANS ENCROACHMENT PERMIT MAY BE REQUIRED.
3. **SOIL STERILIZER.** AN APPROVED SOIL STERILIZER SHALL BE USED ON ALL BASE GRADE SURFACES PRIOR TO PAVING.
4. **PRIME COAT.** PRIME COAT IS REQUIRED ON SUBGRADE OR BASE WHEN THE BASE IS SUBJECTED TO SUBSTANTIAL CONSTRUCTION TRAFFIC (OR WHEN LONG TIME PERIODS ELAPSE BEFORE AC IS PLACED), AS DETERMINED BY THE SOILS ENGINEER AND APPROVED BY THE CITY ENGINEER.
5. **TYPE I SLURRY.** PRIOR TO PROJECT FINAL COMPLETION AND ACCEPTANCE OF STREETS INTO THE CITY'S MAINTAINED SYSTEM, TYPE I SLURRY SHALL BE PLACED OVER THE ASPHALT CONCRETE PAVED PROJECT STREET(S), AS DIRECTED BY THE CITY ENGINEER. THE ENTIRE ROADWAY WIDTH SHALL BE SWEEPED AT LEAST 3 TIMES OR AS DIRECTED BY THE CITY ENGINEER.
6. **FOG SEAL.** ASPHALTIC EMULSION (FOG SEAL) SHALL BE APPLIED NOT LESS THAN 14 DAYS FOLLOWING PLACEMENT OF THE ASPHALT SURFACING AND SHALL BE APPLIED AT A RATE OF 0.05 GALLONS PER SQ. YD. THE ASPHALT EMULSION SHALL CONFORM TO SECTIONS 37, 39 AND 94 OF THE STATE STANDARD SPECIFICATIONS.
7. **TACK COAT.** A TACK COAT SHALL BE APPLIED TO EXISTING PAVEMENT AND VERTICAL JOINTS, CONCRETE SURFACES AND ASPHALT CONCRETE BASE COURSE, IF IT HAS BEEN EXPOSED TO VEHICULAR LOADS. THE TACK COAT SHALL BE SLOW SETTING ANIONIC EMULSIFIED ASPHALT TYPE "SS-1 h" CONFORMING TO THE GREENBOOK.
8. **CERTIFICATION/TESTING.** ALL SUBGRADE AND BASE GRADE SHALL BE CERTIFIED BY A LICENSED LAND SURVEYOR. BASE AND AC MATERIALS SHALL BE TESTED IN ACCORDANCE WITH THE CITY'S QUALITY ASSURANCE PROGRAM (QAP) AND/OR AS DIRECTED BY THE CITY ENGINEER.
9. **PAVING MATERIALS.**
A. AC MATERIALS.
1. AC MATERIALS SHALL CONFORM TO SECTION 203-6 OF THE GREENBOOK AND CITY STANDARDS.
i. TYPE C2 PG70-10 FOR FINISH AND OVERLAY COURSES. THIS COURSE SHALL BE A MINIMUM OF 0.12 FOOT (1 1/2 INCHES) THICK INCLUDING GRIND AND OVERLAY INSTALLATIONS.
ii. TYPE B PG70-10 FOR BASE COURSE. THIS COURSE SHALL CONTAIN THE BALANCE OF THE REQUIRED ASPHALT CONCRETE THICKNESS. THE MINIMUM AC LIFT FOR BASE COURSE IS 0.21 FOOT (2 1/2 INCHES).
2. THE MINIMUM AC THICKNESS IS 0.25 FOOT (3 INCHES).
3. THE MAXIMUM AC LIFT IS 0.33 FOOT (4 INCHES).

NOTE: "SHOVING" IS A TYPE OF AC PAVEMENT FAILURE THAT MAY BE CAUSED BY ASPHALT MIXES THAT ARE TOO RICH IN ASPHALT, THAT HAVE COURSE/FINE AGGREGATE THAT IS TOO ROUNDED, ETC. TYPICALLY, SHOVING RESULTS AT HILLS, CURVES OR INTERSECTIONS, CAUSED BY BRAKING OR ACCELERATING VEHICULAR FORCES. TO PREVENT OR MINIMIZE SHOVING, THE CITY RESERVES TO RIGHT TO REQUIRE A MODIFIED AC MIX DESIGN WITH PROPERTIES THAT PROVIDE HIGH STABILITY (I.E., ABILITY TO RESIST SHOVING AND RUTTING, ANGULAR AGGREGATE PARTICLES WITH A ROUGH SURFACE TEXTURE, ETC.) IN COMPLIANCE WITH THE GREENBOOK AND/OR CALTRANS SPECIFICATIONS.

B. BASE MATERIALS.
1. BASE MATERIALS SHALL CONFORM TO PROVISIONS OF THE GREENBOOK AND CURRENT CITY STANDARDS.
2. FOR STREET SECTIONS, BASE COURSE MATERIAL SHALL BE CRUSHED AGGREGATE BASE (CAB) OR CRUSHED MISCELLANEOUS BASE (CMB) PER SECTIONS 200-2.2 AND 202-2.4 OF THE GREENBOOK. PRINCIPAL AND URBAN ARTERIAL ROADS REQUIRE CAB.

C. PORTLAND CONCRETE CEMENT. ALL PCC USED SHALL BE IN CONFORMANCE TO THE GREENBOOK.
10. **MIX DESIGNS.** TEN WORKING DAYS PRIOR TO PAVING, THE PROPOSED MIX DESIGN(S) FROM THE SUPPLYING ASPHALT OR CONCRETE PLANT SHALL BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL. THE MIX DESIGN(S) SHALL CLEARLY SHOW THAT THE DESIGN MEETS ALL CITY AND GREENBOOK REQUIREMENTS.
11. **STREET SECTIONS.** STREET STRUCTURAL SECTIONS SHOWN ON PLANS ARE TENTATIVE. THE FINAL STRUCTURAL SECTION REQUIREMENTS SHALL BE DETERMINED BY ADDITIONAL SOIL TESTS, AFTER ROUGH GRADING. THE STRUCTURAL SECTION DESIGN SHALL BE REVIEWED AND APPROVED BY THE CITY ENGINEER. SAID DESIGN SHALL ADHERE TO THE METHODOLOGY SET FORTH IN CHAPTER 600 OF CALTRANS HIGHWAY DESIGN MANUAL AND SHALL UTILIZE THE "R" VALUE METHOD (I.E., "R" VALUE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH CALIFORNIA TEST NO. 301 AND SHALL BE CERTIFIED BY A REGISTERED CIVIL ENGINEER). THE NUMBER AND LOCATIONS OF THESE TESTS SHALL BE SUBJECT TO APPROVAL BY THE CITY ENGINEER.
12. **COMPACTION.** PRIOR TO PLACEMENT OF BASE MATERIAL AND AC, COMPACTION REPORTS BY A SOILS ENGINEER. CERTIFYING 95% COMPACTION OF SUB-GRADE AND BASE MATERIAL, SHALL BE SUBMITTED TO THE CITY ENGINEER. COMPACTION TEST OBSERVATION OF SUB-GRADE AND BASE GRADE MATERIALS SHALL BE COORDINATED TO INCLUDE THE SOILS ENGINEER AND THE PUBLIC WORKS INSPECTOR.
13. **PAVING INSPECTIONS.**
A. BASE GRADE INSPECTION. ONE INSPECTION AT SUB-GRADE COMPLETION (PRIOR TO PLACEMENT OF BASE) IS REQUIRED BY THE DEPARTMENT OF PUBLIC WORKS.
B. PAVING INSPECTIONS. TWO PAVING INSPECTIONS ARE REQUIRED BY THE DEPARTMENT OF PUBLIC WORKS: (1) PRIOR TO PAVING, AT BASE GRADE COMPLETION; AND (2) DURING PLACEMENT OF AC.
C. DRIVEWAYS. ALL ONSITE PRIVATE RESIDENTIAL DRIVEWAYS SHALL COMPLY WITH THE APPROVED PLANS AND CITY STANDARDS, AND SHALL BE INSPECTED AND CLEARED BY THE CITY ENGINEER PRIOR TO PAVING.
14. **UTILITIES.** ALL UNDERGROUND FACILITIES AND LATERALS SHALL BE IN PLACE PRIOR TO PAVING.
15. **TRENCHING FOR UTILITIES.** ALL STREET TRENCHES SHALL CONFORM TO CITY AND ENGINEERING STANDARDS. REFER TO CITY STANDARD NO. 407 "TRENCH/POTHOLE REPAIR" FOR TRENCH MAINTENANCE AND/OR REPAIRS. IF TRENCHES IN CLOSE PROXIMITY AND PARALLEL TO GUTTER LINES RESULT IN LEAVING PAVEMENT STRIPS IN DISTRESS OR LESS THAN TWO FEET IN WIDTH (BETWEEN THE TRENCH AND GUTTER LINE), SAID PAVEMENT STRIPS SHALL BE REMOVED AND REPAVED, AT THE DISCRETION OF THE CITY ENGINEER. A TACK COAT SHALL BE APPLIED TO EXISTING ASPHALT CONCRETE AND VERTICAL SURFACES TO BE JOINED IN COMPLIANCE WITH THE GREENBOOK.
16. **PARKING LOT GRADE.** THE MINIMUM AC OR CONCRETE PAVEMENT GRADE SHALL BE ONE PERCENT (1%).
17. **GUTTER LIP.** A 3/8 INCH LIP SHALL BE PLACED ADJACENT TO CONCRETE GUTTERS IN ACCORDANCE WITH CITY AND ENGINEERING STANDARDS. REFER TO STANDARD NO. 200.
18. **PAVING DETAIL AROUND MANHOLES, VALVE COVERS, ETC.** ALL PAVING AROUND MANHOLES, UTILITY VALVE COVERS, ETC. SHALL BE IN ACCORDANCE WITH THE GREENBOOK REQUIREMENTS, UTILITY AGENCY REQUIREMENTS, CITY AND ENGINEERING STANDARDS. REFER TO CITY STANDARD NO. 503 "PAVING DETAIL AROUND MANHOLE."

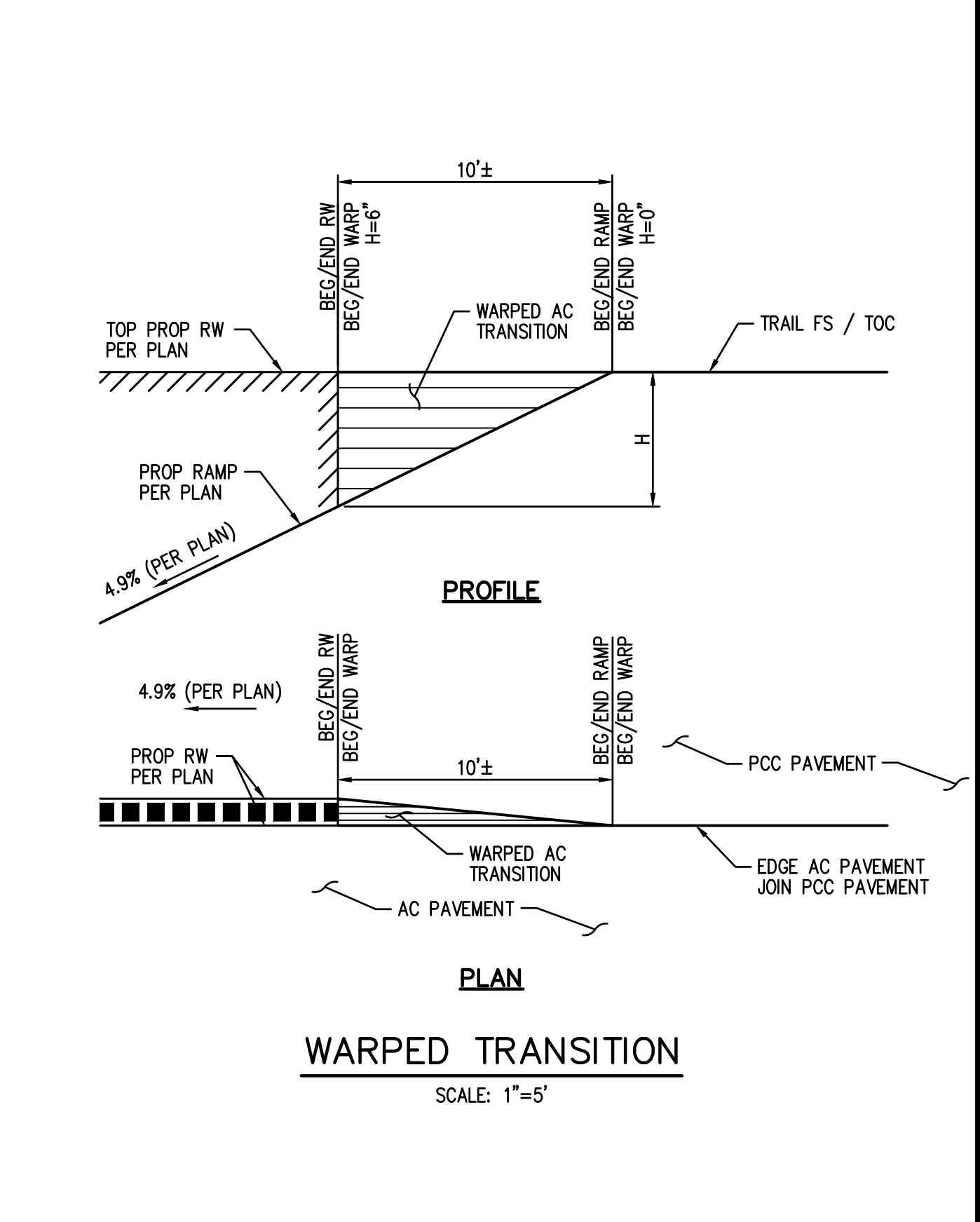
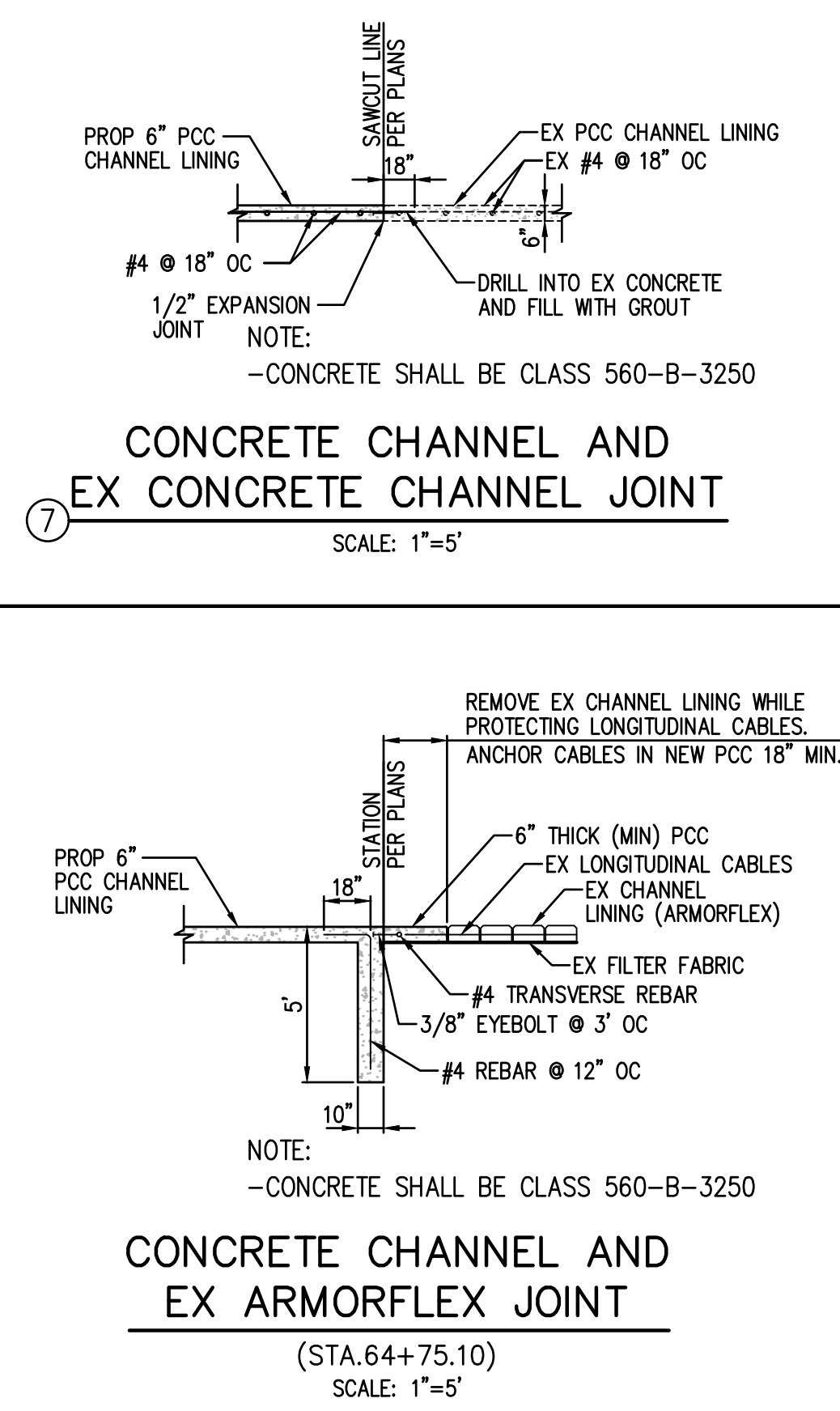
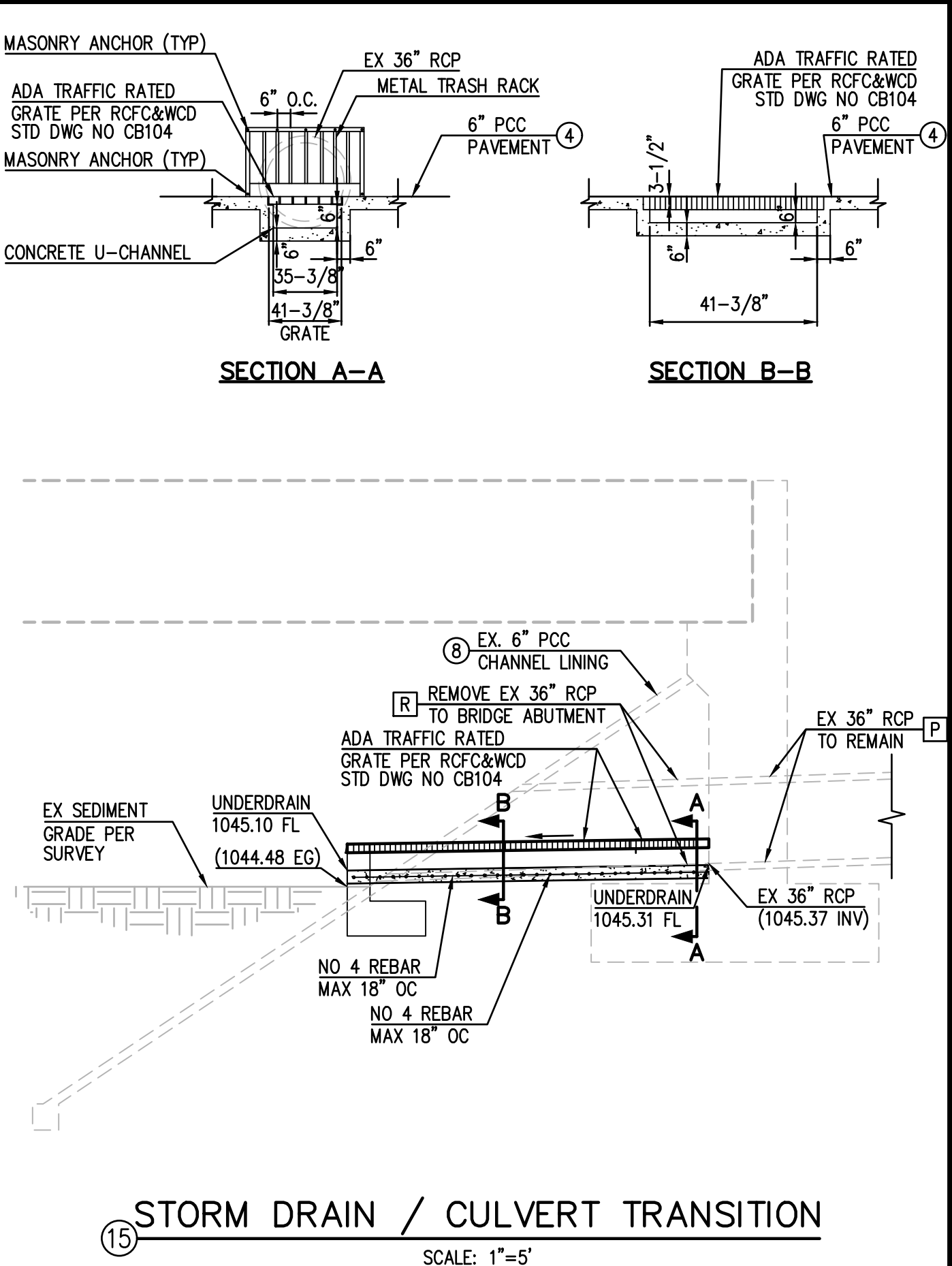
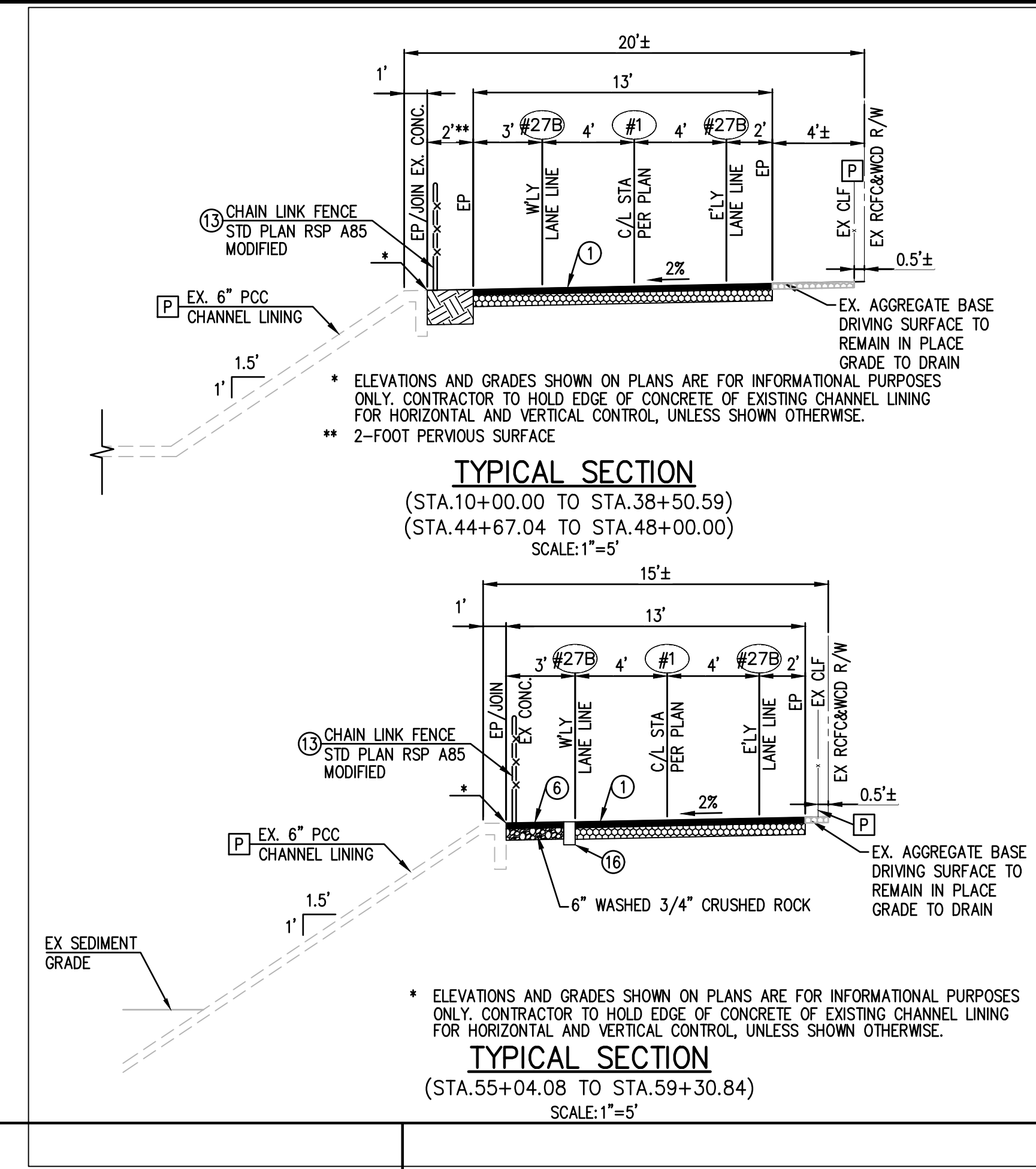
PAVING NOTES CONT.

19. **AC PLACEMENT.** THE METHOD OF DEPOSITING, DISTRIBUTING (I.E., USING A SELF-PROPELLED SPREADING/FINISHING MACHINE) AND ROLLING AC SHALL BE IN ACCORDANCE WITH THE GREENBOOK.
20. **ACCEPTANCE OF PRODUCT.** THE CONTRACTOR SHALL REPAIR ANY DEFECTIVE SURFACING DUE TO GRADE SETTLEMENT OF FILLS, TRENCH FILLS OR BASE MATERIAL, AS REQUIRED BY THE CITY ENGINEER. NO PAVEMENT "BIRDBATHS" OR DEVIATIONS GREATER THAN 1/8 INCH IN SIX FEET SHALL BE ACCEPTED.
21. **PROTECTION OF WORK.** THE CONTRACTOR SHALL: (A) PROTECT EXISTING STRUCTURES, CURB AND GUTTERS, SIDEWALKS, LANDSCAPING, CATCH BASIN DEPRESSIONS AND OTHER SURFACE FEATURES AGAINST DAMAGE CAUSED BY PAVING OPERATIONS AND ASPHALT SPRAY; (B) PROTECT COMPLETED WORK; ALL VEHICULAR TRAFFIC (I.E., MOVING OR STATIONARY LOADS) SHALL BE KEPT OFF NEWLY PAVED AREAS UNTIL PAVEMENT SURFACES HAVE COOLED DOWN ADEQUATELY; (C) CLEAN THE SITE (I.E., REMOVE LOOSE PAVEMENT AND AGGREGATE, CLEAN OUT ALL MANHOLE PITS, ENSURE FREE OPERATION OF VALVES AFTER PAVING, REMOVE ALL DEBRIS, RUBBISH AND EXCESS MATERIAL FROM WORK AREA, ETC.).

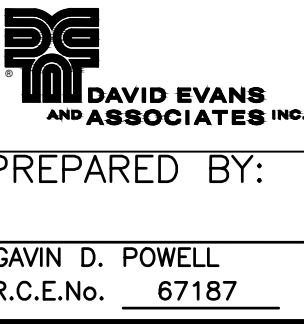
EROSION AND SEDIMENT CONTROL NOTES

1. **FILTERED RUNOFF.** ALL RUNOFF SHALL BE FILTERED PRIOR TO DISCHARGING FROM A SITE OR TO ANY TYPE OF PRIVATE OR PUBLIC STORM WATER CONVEYANCE SYSTEM (NATURAL WATERCOURSES, STREETS, GUTTERS, CONCRETE-LINED V-DITCHES, STORM DRAINS, FLOW-LINES, INLETS, OUTLETS, ETC.). ALL NON-PERMITTED DISCHARGES ARE PROHIBITED FROM ENTERING ANY STORM WATER CONVEYANCE SYSTEM YEAR-ROUND.
2. **BEST MANAGEMENT PRACTICES (BMP'S).** YEAR-ROUND, POLLUTION PREVENTION MEASURES, ALSO KNOWN AS BEST MANAGEMENT PRACTICES (BMP'S), MUST BE INSTALLED PRIOR TO ANY FIELD ACTIVITIES. BMP HANDBOOKS CAN BE DOWNLOADED AT WWW.CABMPHANDBOOKS.COM. ADDITIONAL EROSION PREVENTION AND SEDIMENT CONTROL (ESC) MEASURES MUST BE INSTALLED AND MAINTAINED PRIOR TO AND THROUGHOUT EACH RAINY SEASON. THE CONTRACTOR IS RESPONSIBLE FOR ESC MEASURES THROUGHOUT THE DURATION OF THE PROJECT FOR ALL CLEARING, DISKING, GRADING, EXCAVATING AND STOCKPILING ACTIVITIES, AND ON ALL EXPOSED SLOPES AND INACTIVE PADS THROUGHOUT THE ENTIRE SITE. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ANY DISCHARGES FROM SUBCONTRACTORS.
- A. STOCKPILING OF BMP'S.** ADDITIONAL ESC MATERIALS SHALL BE STOCKPILED AT VARIOUS LOCATIONS THROUGHOUT THE SITE FOR IMMEDIATE USE WITHIN SEVEN DAYS PRIOR TO ANY FORECASTED RAIN. IN EMERGENCY SITUATIONS, THE CONTRACTOR SHALL IMMEDIATELY MAKE EQUIPMENT AND WORKERS AVAILABLE TO PROTECT THE SITE.
3. **EROSION AND SEDIMENT CONTROLS.** ALL ESC MEASURES SHALL BE INSPECTED, RESTORED, REPAIRED OR MODIFIED YEAR-ROUND THROUGHOUT THE SITE TO PROTECT PERIMETERS, ADJACENT PROPERTIES, ENVIRONMENTALLY SENSITIVE AREAS AND ALL PRIVATE/PUBLIC STORM WATER CONVEYANCE SYSTEMS. IF ANY EROSION OR SEDIMENT CONTROLS FAIL DURING ANY RAIN EVENT, MORE EFFECTIVE ONES WILL BE REQUIRED IN THEIR PLACE.
- A. EROSION CONTROLS.** EROSION CONTROLS SHALL INCLUDE, BUT ARE NOT LIMITED TO APPLYING AND ESTABLISHING: VEGETATIVE COVER, WOOD MULCH, STAPLED OR PINNED BLANKETS (STRAW, COCONUT OR OTHER), PLASTIC SHEETING (MINIMUM 10-MIL), POLYPROPYLENE MATS, SPRAY-ON CONTROLS TO ALL DISTURBED AREAS OR OTHER MEASURES APPROVED BY THE CITY ENGINEER. JUTE NETTING SHALL NOT BE USED AS A STAND-ALONE EROSION CONTROL. FOR SLOPES GREATER THAN 4:1, PROVIDE FIBER ROLLS AND EITHER A BONDED FIBER MATRIX PRODUCT APPLIED TO A RATE OF 3500 LB/ACRE OR A STABILIZED FIBER MATRIX PRODUCT APPLIED TO A RATE OF 10 GAL/ACRE. THE CITY ENGINEER MAY APPROVE DIFFERENT APPLICATION RATES FOR SLOPES LESS THAN 4:1.
- B. SEDIMENT CONTROLS.** SEDIMENT CONTROLS SHALL INCLUDE, BUT ARE NOT LIMITED TO: DESILTING BASINS, GRADED BERMS, FIBER ROLLS, SILT FENCES, GRAVEL BAG CHEVRONS (FILLED WITH MINIMUM W GRAVEL), CHECK DAMS, DRAINAGE INLET PROTECTION, ETC. FIBER ROLLS SHALL BE INSTALLED IN 15-FOOT INCREMENTS MEASURED ALONG THE FACE OF THE SLOPE. SILT FENCE SHALL BE INSTALLED ALONG INTERIOR STREETS AND COMBINED WITH GRAVEL-BAG OR SILT FENCE CHEVRONS INSIDE THE SIDEWALK RIGHT-OF-WAY OR BACK OF CURBS.
4. **STATE CONSTRUCTION GENERAL PERMIT.** IF THE PROJECT DISTURBS, EXPOSES OR STOCKPILES ONE ACRE OR MORE OF SOIL, THE SITE MUST BE COVERED UNDER THE STATE CONSTRUCTION GENERAL PERMIT. A WASTE DISCHARGE IDENTIFICATION (WDID) NUMBER, A RISK LEVEL DETERMINATION NUMBER AND THE QUALIFIED "STORM WATER POLLUTION PREVENTION PLAN" (SWPPP) DEVELOPER (QSD) SHALL BE PROVIDED TO THE CITY PRIOR TO ISSUANCE OF A GRADING PERMIT. A SWPPP SHALL BE IMPLEMENTED THROUGHOUT THE DURATION OF THE PROJECT AND SHALL BE READILY AVAILABLE TO CITY AND STATE INSPECTORS AND UPDATED TO REFLECT CURRENT SITE CONDITIONS DURING CONSTRUCTION. THE CONSTRUCTION PERMIT CAN BE DOWNLOADED AT: WWW.WATERBOARDS.CA.AOV/WATER ISSUES/PROGRAMS/STORMWATER/CONSTRUCTION.

5. **PERIMETER PROTECTION.** PERIMETER PROTECTION MUST BE INSTALLED PRIOR TO ANY CLEARING ACTIVITIES. CLEARING SHALL BE LIMITED TO AREAS THAT WILL BE IMMEDIATELY GRADED OR DISTURBED. A COMBINATION OF ESC MEASURES SHALL BE IMPLEMENTED IN AREAS THAT HAVE BEEN CLEARED. ALL DISTURBED AREAS OF AN INACTIVE SITE, AS DESCRIBED IN THE ENGINEERING AND CONSTRUCTION MANUAL, SHALL ALSO BE PROTECTED.
6. **CONSTRUCTION ACCESS POINTS.** CONSTRUCTION ACCESS POINTS SHALL BE STABILIZED WITH A COMBINATION OF ROCK AND SHAKER PLATES YEAR-ROUND TO PREVENT TRACK-OUT. INTERIOR ACCESS POINTS (ALL PROPOSED DRIVEWAYS, MATERIAL STORAGE AND STAGING AREA ENTRANCES/EXITS, ETC.) SHALL ALSO BE PROTECTED WITH ROCK TO PREVENT TRACK-OUT ONTO INTERIOR STREETS. ROUTINE STREET SWEEPING SHALL BE PERFORMED ON ALL PAVED STREETS WHERE TRACKING IS OBSERVED. VACUUM SWEEPERS SHALL BE USED WHEN STREET SWEEPING BECOMES INEFFECTIVE. CONTROLLED STREET WASHING SHALL ONLY BE ALLOWED PRIOR TO THE APPLICATION OF ASPHALT SEAL COATS, AND ONLY WHEN ALL PERTINENT DRAINAGE INLETS ARE PROTECTED.
7. **DESILTING BASINS.** DESILTING BASINS SHALL BE DESIGNED ACCORDING TO THE GUIDANCE PROVIDED IN CASQA'S CONSTRUCTION BMP HANDBOOK. IMPOUNDED WATER SHALL BE SECURED FROM THE PUBLIC. SIGNAGE INDICATING "PONDED WATER - DO NOT ENTER," OR AN EQUIVALENT WARNING NOTICE, SHALL BE POSTED.
8. **MATERIAL STORAGE.** MATERIAL STORAGE AND STAGING AREAS SHALL BE ESTABLISHED. FUEL TANKS, PORTABLE TOILETS, LIQUIDS, GELS, POWDERS, LANDSCAPE MATERIALS AND STOCKPILES OF SOIL SHALL BE STORED AWAY FROM ALL PRIVATE/PUBLIC STORM WATER CONVEYANCE SYSTEMS, SIDEWALKS, RIGHT-OF-WAYS AND FLOW-LINES AND SHALL HAVE SECONDARY CONTAINMENT. INACTIVE STOCKPILES OF SOIL SHALL BE COVERED AT ALL TIMES. ACTIVE STOCKPILES SHALL BE COVERED PRIOR TO A FORECAST RAIN.
9. **CONSTRUCTION WASTE.** CONSTRUCTION WASTE AND MISCELLANEOUS DEBRIS SHALL BE PLACED IN WATER-TIGHT BINS. WIRE MESH RECEPTACLES SHALL NOT BE ALLOWED. WASH-OUT STATIONS SHALL BE PROVIDED FOR CONCRETE, PAINTS, STUCCO AND OTHER LIQUID WASTE, AND SHALL BE LINED WITH PLASTIC AND LOCATED AWAY FROM PUBLIC RIGHT-OF-WAYS, FLOW LINES, ETC. PRIOR TO ANY FORECAST RAIN, BINS AND WASH-OUTS SHALL BE COVERED WITH LIDS OR PLASTIC TARPS.
10. **SLOPE PROTECTION.** STORM WATER RUNOFF SHALL NOT BE DIRECTED OVER SLOPES WITHOUT PERMANENT DOWN DRAINS INSTALLED. ESC MEASURES ARE REQUIRED ON ALL EXPOSED SLOPES UNTIL SUFFICIENT/PERMANENT LANDSCAPE IS ESTABLISHED. THERE SHALL BE 100% SLOPE PROTECTION IN PLACE PRIOR TO ISSUANCE OF CERTIFICATE OF OCCUPANCY.
11. **PORTABLE MIXERS.** ALL PORTABLE MIXERS SHALL HAVE PLASTIC LINERS UNDERNEATH THEM WITH GRAVEL-BAGS PLACED ON THE DOWN-HILL SIDE OF THE LINERS TO CONTAIN DISCHARGES.
12. **MAINTENANCE.** ALL ONSITE AND OFFSITE FLOW LINES (I.E., V- AND BROW-DITCHES, TERRACE DRAINS, RIBBON GUTTERS, CURB GUTTERS, ETC.), STORM WATER CONVEYANCE SYSTEMS, CHECK DAMS, CHEVRONS, SILT FENCES AND DESILTING BASINS SHALL BE FREE OF SEDIMENT, CONSTRUCTION MATERIALS, WASTE, MISCELLANEOUS DEBRIS AND DETERIORATED ESC MEASURES YEAR-ROUND.
13. **OBSTRUCTIONS.** NO OBSTRUCTIONS, OTHER THAN BMP'S, SHALL BE ALLOWED WITHIN ANY STORM WATER CONVEYANCE SYSTEM, UNLESS ALTERNATIVE DRAINAGE FACILITIES HAVE BEEN APPROVED BY THE CITY ENGINEER.



CONSTRUCTION RECORD	DATE	BY	REVISIONS	DATE	ACC'D	BENCHMARK	SCALE
CONTRACTOR _____						3 1/4" ALUM. DISK STAMPED "RIVERSIDE COUNTY BENCHMARK 600-10-68 RESET 1987" LOCATED 2.0 MILES NORTHWEST ON FRONT STREET FROM MAIN STREET IN TEMECULA, 1.4 MILES NORTHWEST ON JEFFERSON STREET, 38' NORTHEASTERLY OF CENTERLINE OF JEFFERSON, 65' SOUTHEASTERLY OF CENTERLINE OF DATE STREET.	HORIZONTAL
INSPECTOR _____						ELEVATION=1039.286'	AS SHOWN
DATE COMPLETED _____						NAVD 29	VERTICAL
							N/A



PREPARED BY:
GAVIN D. POWELL
R.C.E.No. 67187

DATE:

RECOMMENDED BY: _____ DATE: _____
AMER ATTAR
PRINCIPAL ENGINEER

ACCEPTED BY: _____ DATE: _____
PATRICK A. THOMAS
DIRECTOR OF PUBLIC WORKS

R.C.E. No. 44223

CITY OF TEMECULA
DEPARTMENT OF PUBLIC WORKS

SANTA GERTRUDIS CREEK
PEDESTRIAN/BICYCLE TRAIL EXTENSION AND INTERCONNECT
PW08-04

NOTES, DETAILS AND TYPICAL SECTIONS

Drawing No.
02

SHT. 2 OF 24

NO.	DESCRIPTION	QUANTITY
①	CONSTRUCT 3"AC OVER 6"AB OVER COMPACTED SUBGRADE	51,610 SF
②	CONSTRUCT PIPE SWING GATE PER RFC&WCD STD. DWG. NO. M820 (MODIFIED) AND DETAIL ON SHT 3	4 EA
③	CONSTRUCT CONCRETE DRAINAGE APRON (W=PER PLAN) PER RFC&WCD STD. DWG. NO. CH333	730 SF
④	CONSTRUCT 6" REINFORCED PCC PAVEMENT ON COMPACTED SUBGRADE PER DETAIL ON SHT 3	21,400 SF
⑤	CONSTRUCT 6" REINFORCED PCC CHANNEL LINING PER RFC&WCD STD. DWG. NO. CH326	8,650 SF
⑥	CONSTRUCT PERMEABLE ASPHALT PAVEMENT OVER 6" OF CRUSHED 3/4" ROCK PER CITY OF TEMECULA STD NO. 933	4,190 SF
⑦	SAWCUT AND JOIN EXISTING CONCRETE CHANNEL LINING PER DETAIL ON SHT 2	1,920 LF
⑧	REMOVE EXISTING CONCRETE CHANNEL LINING	45,500 SF
⑨	CONSTRUCT CALTRANS TYPE 6A CONCRETE RETAINING WALL PER STD PLAN B3-7B	110 CY
⑩	CONSTRUCT CALTRANS TYPE 5 CONCRETE RETAINING WALL PER STD PLAN B3-4A	350 CY
⑪	CONSTRUCT CALTRANS TYPE 1 CONCRETE RETAINING WALL PER STD PLAN B3-1C	390 CY
⑫	SAWCUT EXISTING AC PAVEMENT	175 LF
⑬	CONSTRUCT PROTECTIVE CHAIN LINK FENCE PER CALTRANS STD PLAN RSP A85, TYPE CL-4, VINYL CLAD (BLACK) MODIFIED TO 4-FOOT TALL, 2-INCH CLEAR AT BOTTOM OF FENCE	5,500 LF
⑭	RECONSTRUCT CONCRETE DRAINAGE DITCH	1 EA
⑮	CONSTRUCT STORM DRAIN / CULVERT TRANSITION PER DETAIL ON SHT 2	1 EA
⑯	CONSTRUCT CONCRETE EDGE RESTRAINT PER CITY OF TEMECULA STD NO. 937	1,675 LF
⑰	CONSTRUCT "DOGPOUT" PET STATION (#1003-L) PER MANUFACTURERS SPECIFICATIONS	5 EA
⑱	REMOVE EXISTING AC PAVEMENT	2,450 SF
⑲	CONSTRUCT CABLE RAILING PER CALTRANS STD PLAN B11-47	700 LF

NO.	DESCRIPTION	QUANTITY
PE	EXISTING MARKINGS, STRIPING, OR PAVEMENT MARKERS TO REMAIN (PER PLAN)	1 LS
E	EXISTING SIGNAGE TO REMAIN (PER PLAN)	1 LS
#	INSTALL STRIPE (DETAIL # PER CALTRANS STANDARD PLAN)	21,500 LF
TP	INSTALL PAVEMENT MARKING (THERMOPLASTIC)	10 EA
RM	REMOVE EXISTING PAVEMENT MARKING OR STRIPING	1 LS
SC	SPLICE NEW TO EXISTING CONDUCTORS	1 EA
1	RE-INSTALL 12" WIDE WHITE CROSSWALK OR LIMIT LINE PER CALTRANS STANDARD PLAN A24E	166 LF
2	INSTALL TYPE "E" LOOP DETECTOR, PER STD. ES-5A AND ES-5B TO THE CONTRACTOR SHALL TEST EACH LOOP CIRCUIT FOR CONTINUITY. CIRCUIT RESISTANCE AND INSULATION RESISTANCE AT THE CONTROLLER CABINET LOCATION.	10 EA
3	INSTALL SIGN AND/OR POST AS SHOWN, PER CITY STD.	63 EA

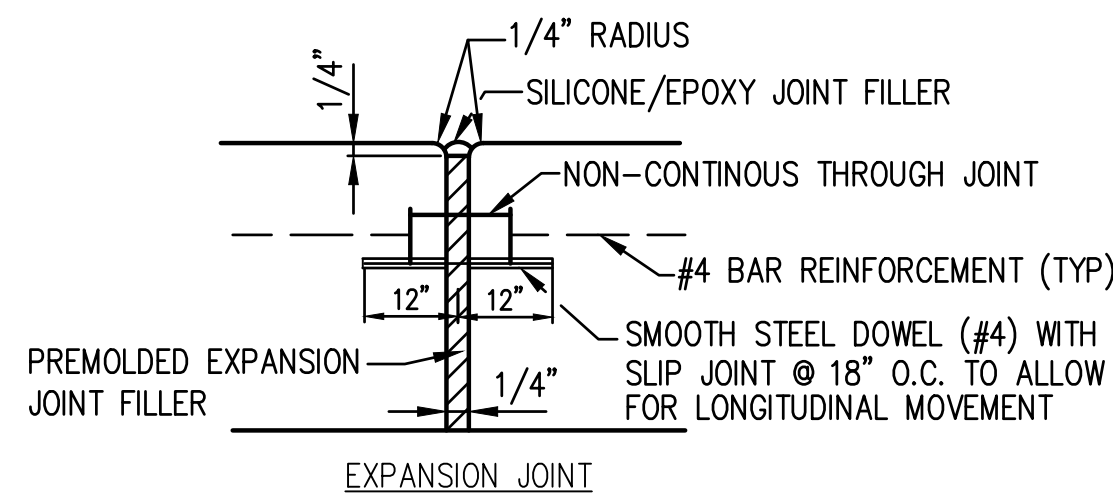


R/W	RIGHT OF WAY
RW	RETAINING WALL
R/L	PROPERTY LINE
EX	EXISTING
CL	CENTERLINE
CLF	CHAIN LINK FENCE
C/L	CENTERLINE
EP	EDGE OF PAVEMENT
FS	FINISHED SURFACE
FL	FLOW LINE
GB	GRADE BREAK
TC	TOP OF CURB
INV	INVERT ELEVATION
TG	TOP OF GRATE
TW	TOP OF WALL
TF	TOP OF FOOTING
HP	HIGH POINT
LP	LOW POINT
W	WATER LINE
S	SEWER LINE
SD	STORM DRAIN LINE
FG	FINISHED GROUND
BC	BEGIN CURVE
EC	END CURVE
EJ	EXPANSION JOINT
AC	ANGLE CONCRETE
AP	ANGLE POINT
C&G	CURB & GUTTER
G	GAS
PEM	POLYETHYLENE MATERIAL
E	ELECTRICAL
T	TELEPHONE
RC	REINFORCED CONCRETE
FS	FINISHED SURFACE
BOT	BOTTOM
OCC	TOP OF CHANNEL
EF	EXISTING GROUND
PRC	POINT OF REVERSE CURVE
PCC	POINT OF COMPOUND CURVE
WLY	WESTERLY
E'LY	EASTERLY
S'LY	SOUTHERLY
N'LY	NORTHERLY
CLF	CHAIN LINK FENCE
PB	PULLBOX

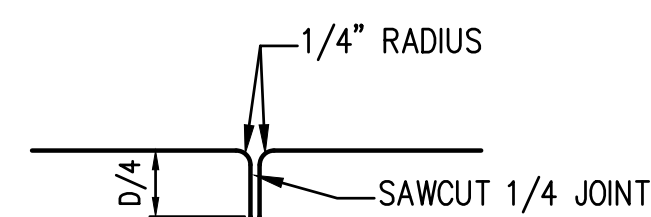
- "BIKE LANE" AND ARROW PAVEMENT MARKING
- SNWL** → "SIGNAL" PAVEMENT MARKING
- PATH OF TRAVEL OR FLOW ARROW
- AHD** → "AHEAD" PAVEMENT MARKING
- → TRAFFIC SIGNAL LOOP
- ↩ → LEFT TURN PAVEMENT MARKING
- → PROPOSED SIGN AND POST
- → NEW AC PAVEMENT
- → AC PAVEMENT REMOVAL
- → CONCRETE
- → EXISTING SIGN AND POST
- → DOGIPOT PET STATION



(STA.59+59.58)
SCALE: 1"=5'

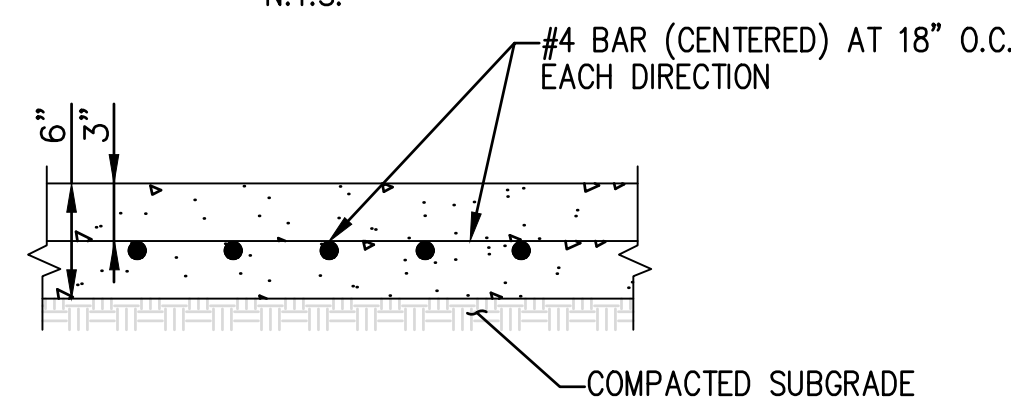


EXPANSION JOINT



WEAKENED PLANE JOINT

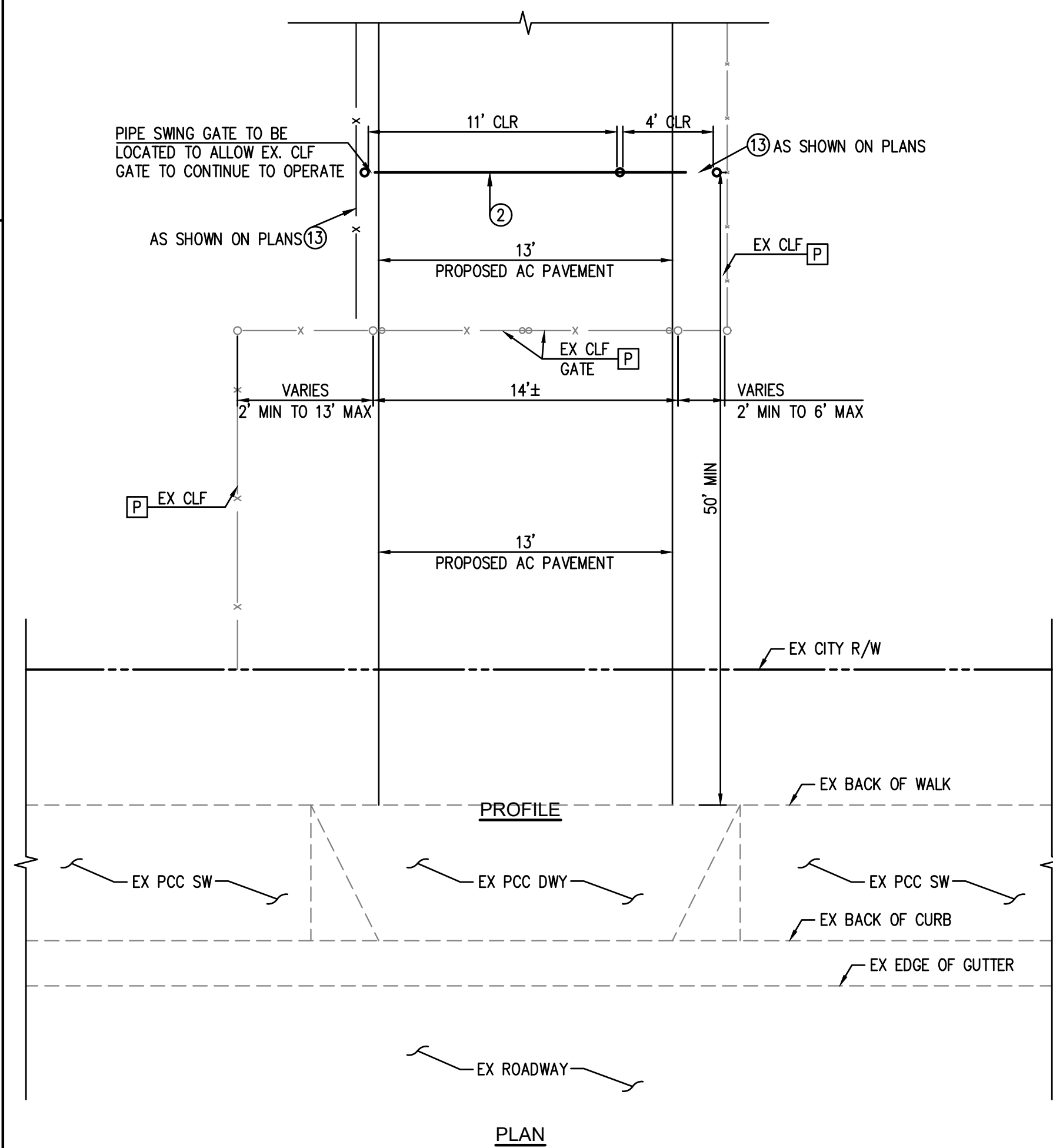
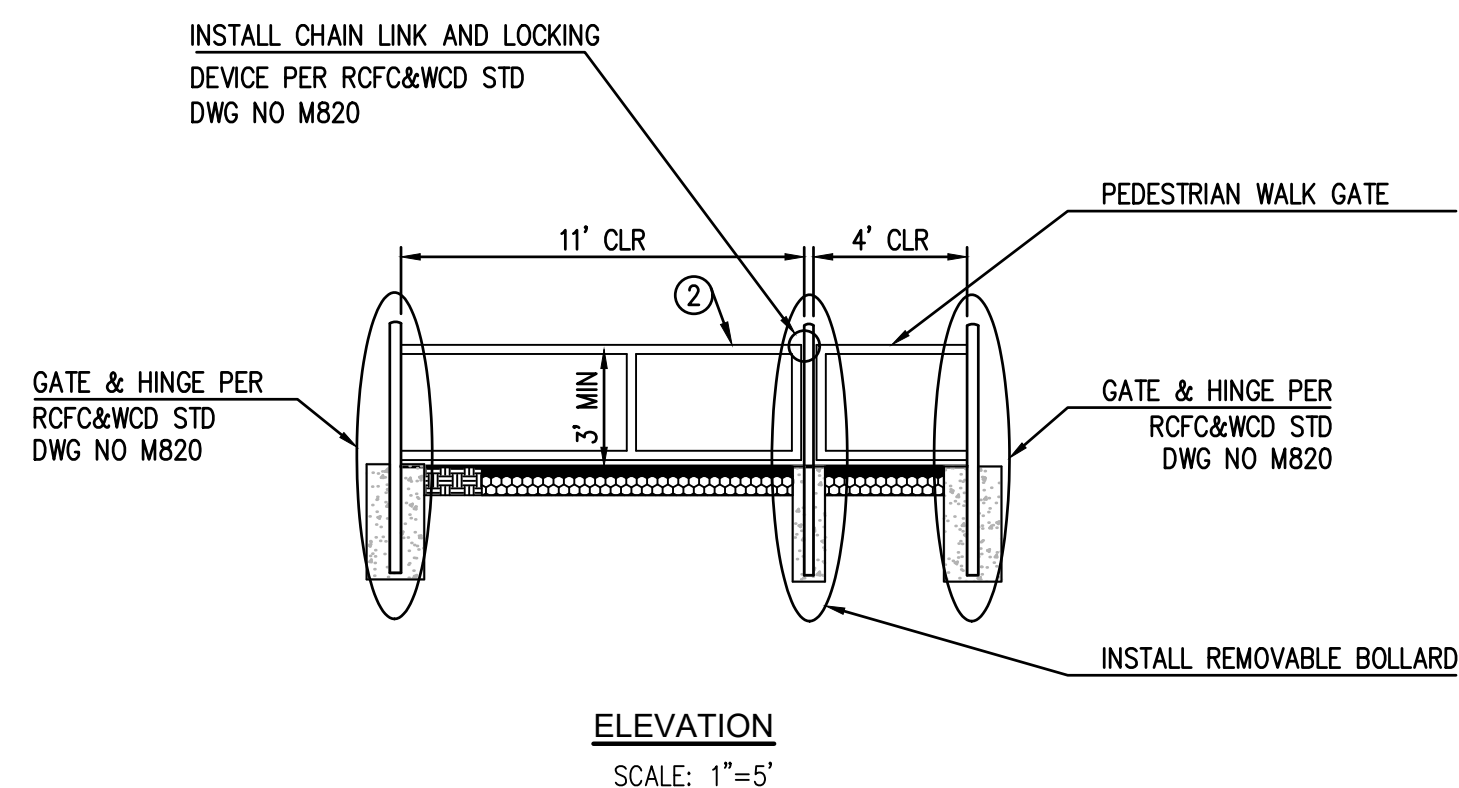
DETAIL



NOTE:

- PROVIDE EXPANSION JOINTS PER DETAIL "D" HEREON,
NOT EXCEEDING 50' O.C.
- PROVIDE WEAKENED PLANE JOINTS PER DETAIL "D" HEREON,
NOT EXCEEDING 12' O.C.
- CONCRETE SHALL BE CLASS 560-C-3250

④ REINFORCED 6" PCC PAVEMENT
N.T.S.



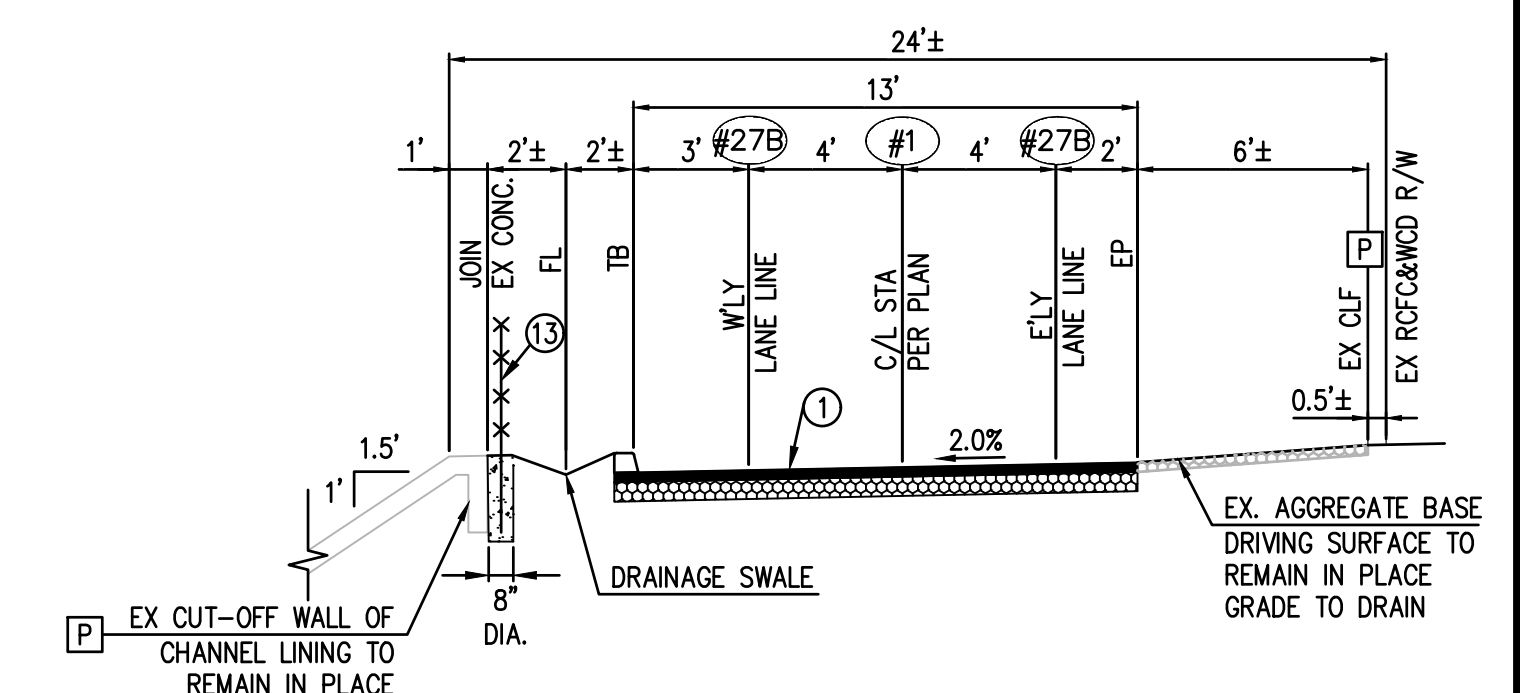
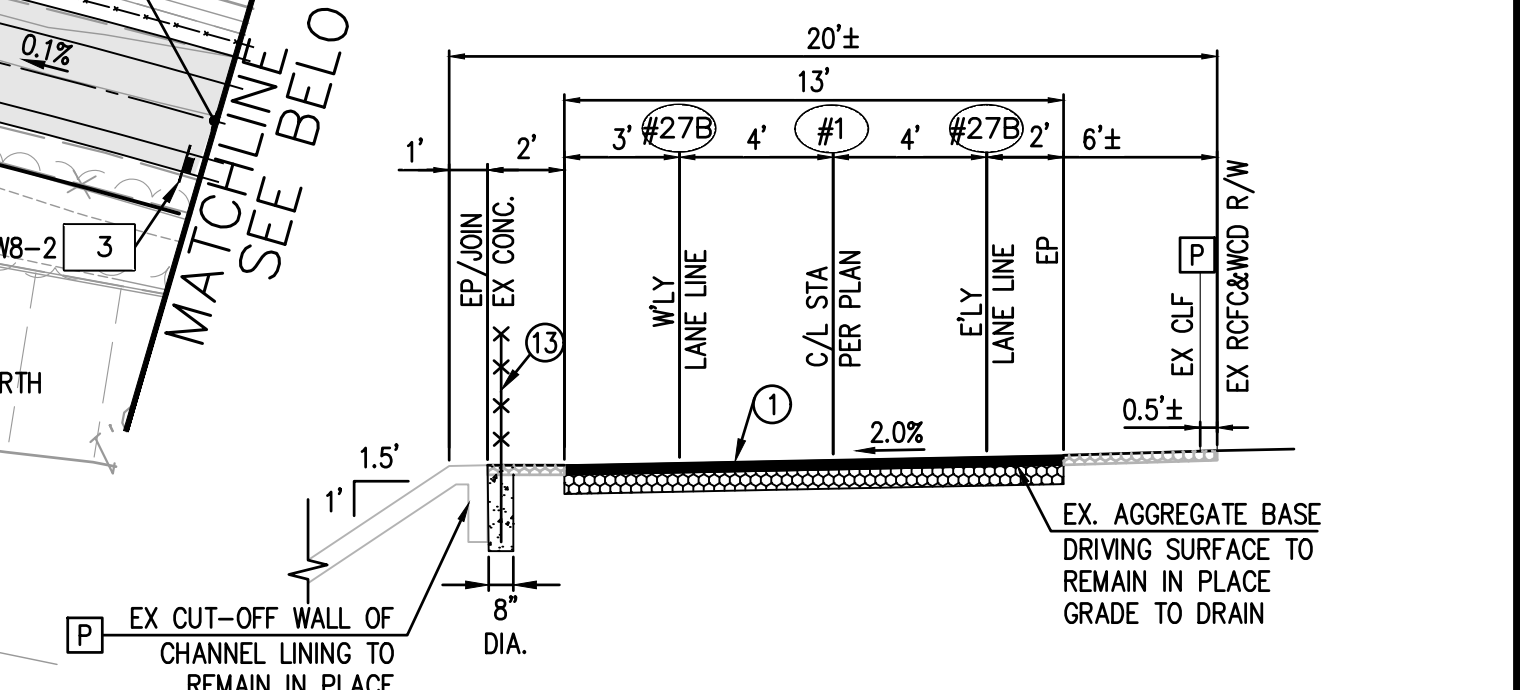
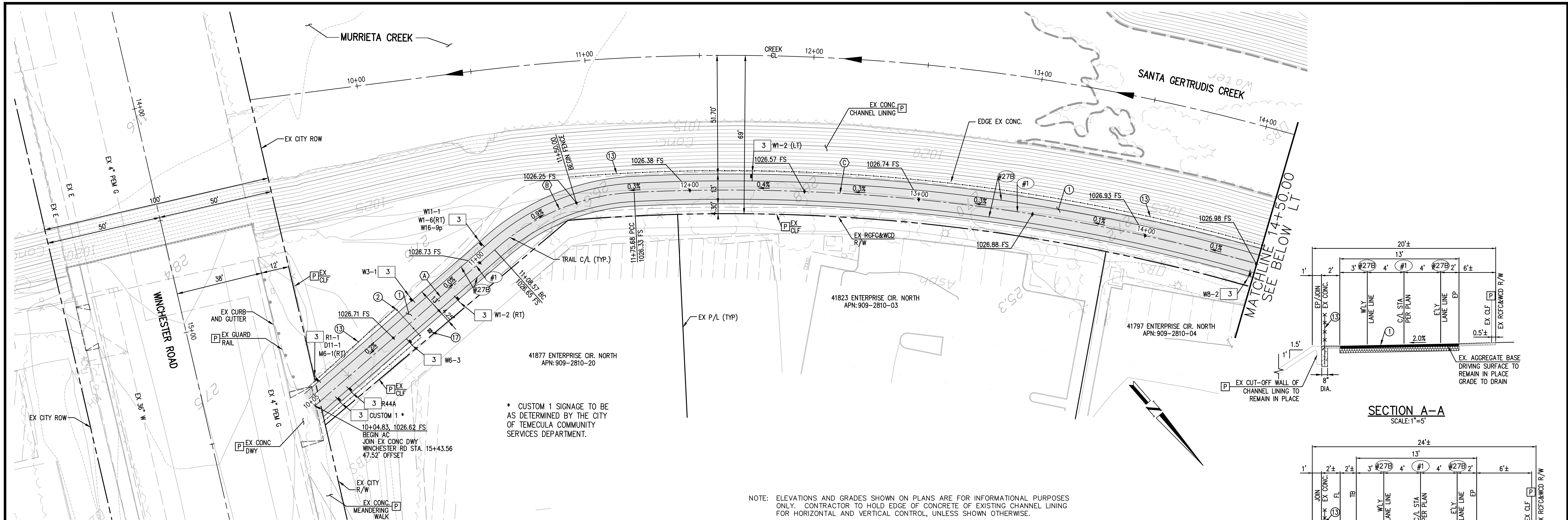
PIPE SWING GATE DETAIL

SCALE: 1"=5'



CONSTRUCTION RECORD	DATE	BY	REVISIONS	DATE	ACC'D	BENCHMARK	SCALE			41951 Remington Avenue Suite 220 Temecula California 92590-2553 Phone: 951.294.9300	RECOMMENDED BY: _____ DATE: _____		CITY OF TEMECULA DEPARTMENT OF PUBLIC WORKS	Drawing No.					
CONTRACTOR _____						3 1/4" ALUM. DISK STAMPED "RIVERSIDE COUNTY BENCHMARK 600-10" RESET 1987" LOCATED 2.0 MILES NORTHWEST ON FRONT STREET FROM MAIN STREET IN TEMECULA, 1.4 MILES NORTHWEST ON JEFFERSON STREET, 38' NORTHEASTERLY OF CENTERLINE OF JEFFERSON, 65' SOUTHEASTERLY OF CENTERLINE OF DATE STREET. ELEVATION=1039.286' NAVD 29	HORIZONTAL										SANTA GERTRUDIS CREEK PEDESTRIAN/BICYCLE TRAIL EXTENSION AND INTERCONNECT PW08-04	03	
INSPECTOR _____							AS SHOWN								ACCEPTED BY: _____ DATE: _____			DETAILS, CONSTRUCTION NOTES, LEGEND	SHT. 3 OF 24
DATE COMPLETED _____							VERTICAL								PREPARED BY: _____ DATE: _____				
							N/A				GAVIN D. POWELL R.C.E.No. 67187								

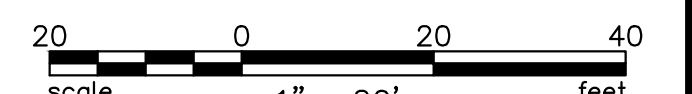
Drawing Name: T:\090085\Eng\090085-000\Final Plots\Grading\03_090085r01.dwg
 Last Opened: Jun 24, 2019 - 8:23am by: rjiwi



LINE/CURVE TABLE				
	DELTA/BEARING	RADIUS	LENGTH	TANGENT
(A)	N89°50'59\"	-----	103.74'	-----
(B)	39°14'23\"	100.00'	67.12'	34.93'
(C)	24°47'53\"	841.30'	364.12'	184.96'
(D)	N26°55'00\"	-----	84.17'	-----
(E)	18°27'52\"	845.50'	272.48'	137.43'
(F)	N03°05'08\"	-----	56.75'	-----

- CONSTRUCTION NOTES**
- CONSTRUCT 3\"AC OVER 6\"AB OVER COMPACTED SUBGRADE
 - CONSTRUCT PIPE SWING GATE PER R/CFC&WCD STD. DWG. NO. M820 (MODIFIED) AND DETAIL ON SHT 3
 - CONSTRUCT CONCRETE DRAINAGE APRON (W=PER PLAN) PER R/CFC&WCD STD. DWG. NO. CH333
 - CONSTRUCT PROTECTIVE CHAIN LINK FENCE PER CALTRANS STD PLAN RSP A85, TYPE CL-4, VINYL CLAD (BLACK)MODIFIED TO 4-FOOT TALL, 2-INCH CLEAR AT BOTTOM OF FENCE
 - CONSTRUCT \"DOGPOT\" PET STATION (#N003-L) PER MANUFACTURERS SPECIFICATIONS
 - REMOVE EXISTING AC PAVEMENT
 - PAINT 6\" WHITE PAVEMENT MARKING PER CALTRANS STD A200 MUTCD DETAIL 39 AND 39A
 - PAINT 6\" YELLOW CENTERLINE PAVEMENT MARKING PER CALTRANS MUTCD DETAIL 1
 - INSTALL SIGNAGE PER CALIFORNIA MUTCD STANDARD SHOWN ON PLAN

- DISPOSITION NOTES**
- [P] - PROTECT IN PLACE



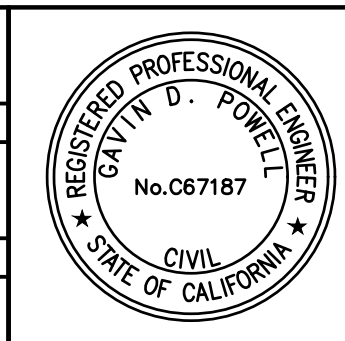
CONSTRUCTION RECORD	DATE	BY	REVISIONS	DATE	ACC'D	BENCHMARK	SCALE	DAVID EVANS AND ASSOCIATES INC.	RECOMMENDED BY:	DATE:	CITY OF TEMECULA DEPARTMENT OF PUBLIC WORKS	Drawing No.
CONTRACTOR						3 1/4\" ALUM. DISK STAMPED \"RIVERSIDE COUNTY BENCHMARK 600-10-68 RESET 1987\" LOCATED 2.0 MILES NORTHWEST ON FRONT STREET FROM MAIN STREET IN TEMECULA, 1.4 MILES NORTHWEST ON JEFFERSON STREET, 38' NORTHEASTERLY OF CENTERLINE OF JEFFERSON, 65' SOUTHEASTERLY OF CENTERLINE OF DATE STREET. ELEVATION=1039.286' NAVD 29	HORIZONTAL	41951 Remington Avenue Suite 220 Temecula California 92590-2553 Phone: 951.294.9300	AMER ATTAR PRINCIPAL ENGINEER		SANTA GERTRUDIS CREEK PEDESTRIAN/BICYCLE TRAIL EXTENSION AND INTERCONNECT PW08-04	04
INSPECTOR							AS SHOWN	PREPARED BY:	PATRICK A. THOMAS DIRECTOR OF PUBLIC WORKS		PEDESTRIAN/BICYCLE TRAIL PLAN	SHT. 4 OF 24
DATE COMPLETED							VERTICAL	GAVIN D. POWELL R.C.E.No. 67187				
							N/A					



Know what's below.
Call 811 before you dig.

CONSTRUCTION RECORD	DATE	BY	REVISIONS	DATE	ACC'D	BENCHMARK
CONTRACTOR						3 1/4" ALUM. DISK STAMPED "RIVERSIDE COUNTY BENCHMARK 600-10-68 RESET 1987" LOCATED 2.0 MILES NORTHWEST ON FRONT STREET FROM MAIN STREET IN TEMECULA, 1.4 MILES NORTHWEST ON JEFFERSON STREET, 38' NORTHEASTERLY OF CENTERLINE OF JEFFERSON, 65' SOUTHEASTERLY OF CENTERLINE OF DATE STREET. ELEVATION=1039.286' NAVD 29
INSPECTOR						
DATE COMPLETED						

SCALE
HORIZONTAL
AS SHOWN
VERTICAL
N/A



DAVID EVANS AND ASSOCIATES INC.
41951 Remington Avenue Suite 220
Temecula California 92590-2553
Phone: 951.294.9300

PREPARED BY:
GAVIN D. POWELL
R.C.E.No. 67187

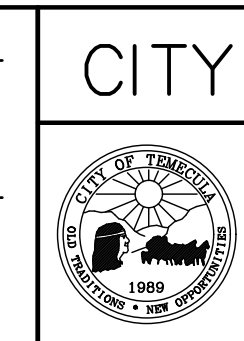
RECOMMENDED BY:
AMER ATTAR
PRINCIPAL ENGINEER

ACCEPTED BY:
PATRICK A. THOMAS
DIRECTOR OF PUBLIC WORKS

R.C.E. No. 44223

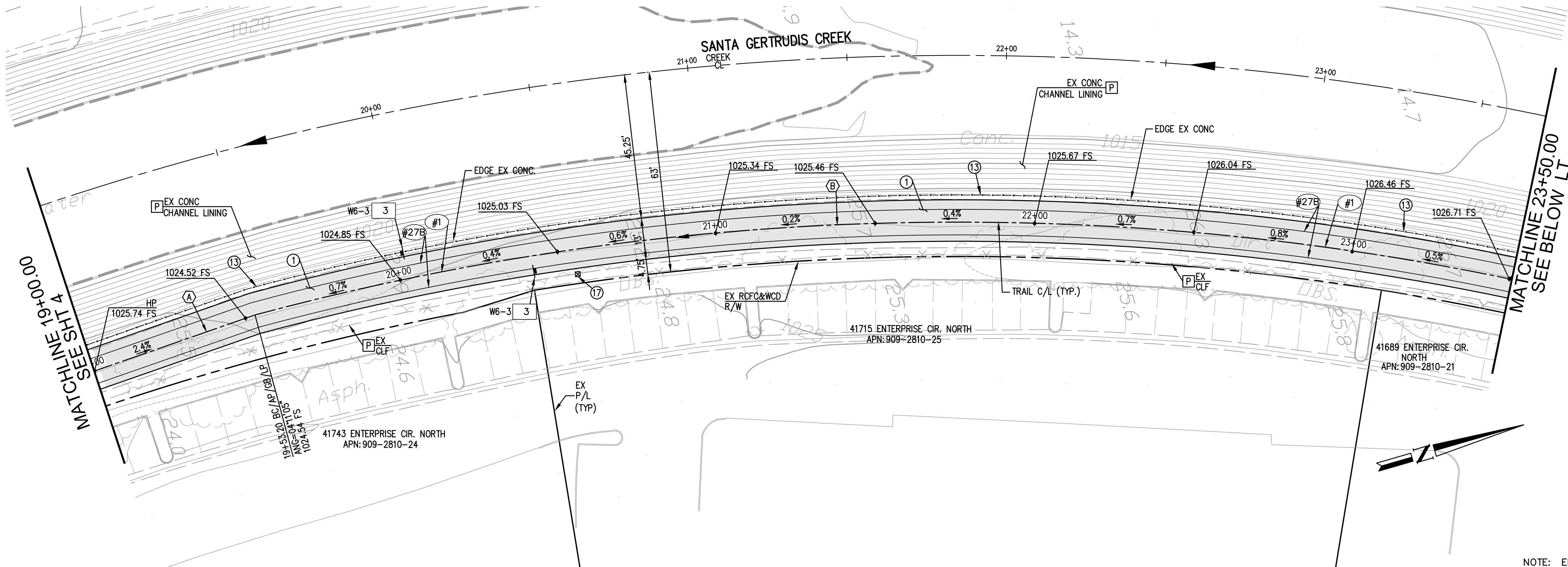
CITY OF TEMECULA DEPARTMENT OF PUBLIC WORKS

SANTA GERTRUDIS CREEK
PEDESTRIAN/BICYCLE TRAIL EXTENSION AND INTERCONNECT
PW08-04
PEDESTRIAN/BICYCLE TRAIL PLAN



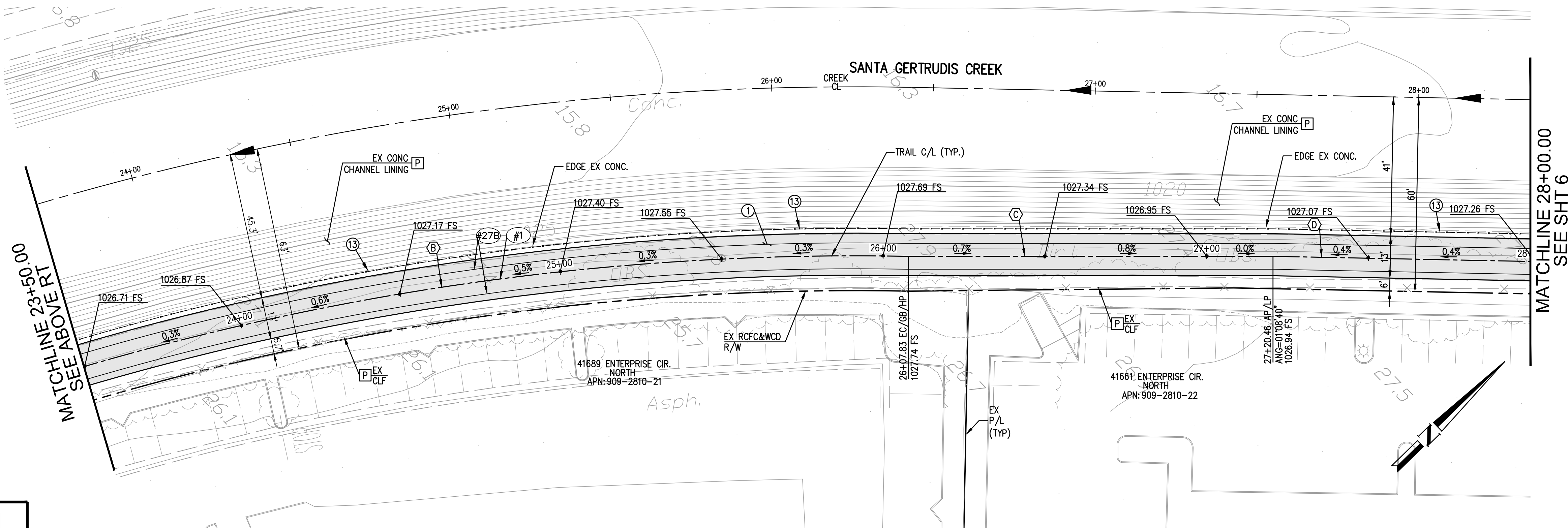
Drawing No. 05

SHT. 5 OF 24



NOTE: ELEVATIONS AND GRADES SHOWN ON PLANS ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR TO HOLD EDGE OF CONCRETE OF EXISTING CHANNEL LINING FOR HORIZONTAL AND VERTICAL CONTROL, UNLESS SHOWN OTHERWISE.

LINE/CURVE TABLE				
	DELTA/BEARING	RADIUS	LENGTH	TANGENT
(A)	N03°05'08"W	----	56.82'	----
(B)	44°14'10"	847.75'	654.52'	344.55'
(C)	N44°14'27"E	----	112.68'	----
(D)	N45°23'06"E	----	1052.28'	----

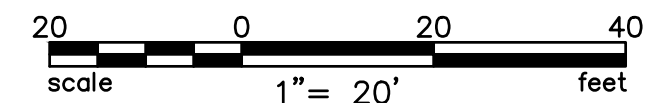


CONSTRUCTION NOTES

- CONSTRUCT 3"AC OVER 6"AB OVER COMPACTED SUBGRADE
- CONSTRUCT MODIFIED CHAIN LINK FENCE PER RCFC&WCD STD DWG. NO. M801
- CONSTRUCT PROTECTIVE CHAIN LINK FENCE PER CALTRANS STD PLAN RSP A85, TYPE CL-4, VINYL CLAD (BLACK)MODIFIED TO 4-FOOT TALL, 2-INCH CLEAR AT BOTTOM OF FENCE
- CONSTRUCT "DOGPO" PET STATION (#1003-L) PER MANUFACTURERS SPECIFICATIONS
- #27B-PAINT 6" WHITE PAVEMENT MARKING PER CALTRANS STD A20D MUTCD DETAIL 39 AND 39A
- #1-PAINT 6" YELLOW CENTERLINE PAVEMENT MARKING PER CALTRANS MUTCD DETAIL 1
- INSTALL SIGNAGE PER CALIFORNIA MUTCD STANDARD SHOWN ON PLAN

DISPOSITION NOTES

- [P]- PROTECT IN PLACE



MATCHLINE 28+00.00
SEE SHT 5

MATCHLINE 33+00.00
SEE BELOW LT

MATCHLINE 33+00.00
SEE ABOVE RT

MATCHLINE 38+00.00
SEE SHT 7

NOTE: ELEVATIONS AND GRADES SHOWN ON PLANS ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR TO HOLD EDGE OF CONCRETE OF EXISTING CHANNEL LINING FOR HORIZONTAL AND VERTICAL CONTROL, UNLESS SHOWN OTHERWISE.

LINE/CURVE TABLE				
	DELTA/BEARING	RADIUS	LENGTH	TANGENT
(A)	N45°23'06"E	-----	1052.30'	-----
(B)	04°04'54"	320.00'	22.80'	11.40'
(C)	N49°28'00"E	-----	55.13'	-----

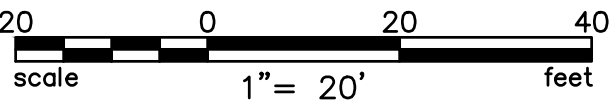
CONSTRUCTION NOTES

- ① - CONSTRUCT 3" AC OVER 6" AB OVER COMPACTED SUBGRADE
⑬ - CONSTRUCT PROTECTIVE CHAIN LINK FENCE PER CALTRANS STD PLAN RSP A85, TYPE CL-4, VINYL CLAD (BLACK) MODIFIED TO 4-FOOT TALL, 2-INCH CLEAR AT BOTTOM OF FENCE

- #27B - PAINT 6" WHITE PAVEMENT MARKING PER CALTRANS STD A20D MUTCD DETAIL 39 AND 39A
#1 - PAINT 6" YELLOW CENTERLINE PAVEMENT MARKING PER CALTRANS MUTCD DETAIL 1
3 - INSTALL SIGNAGE PER CALIFORNIA MUTCD STANDARD SHOWN ON PLAN

DISPOSITION NOTES

[P] - PROTECT IN PLACE



Know what's below.
Call 811 before you dig.

CONSTRUCTION RECORD	DATE	BY	REVISIONS	DATE	ACC'D	BENCHMARK
CONTRACTOR						3 1/4" ALUM. DISK STAMPED "RIVERSIDE COUNTY BENCHMARK 600-10-68 RESET 1987" LOCATED 2.0 MILES NORTHWEST ON FRONT STREET FROM MAIN STREET IN TEMECULA, 1.4 MILES NORTHWEST ON JEFFERSON STREET, 38' NORTHEASTERLY OF CENTERLINE OF JEFFERSON, 65' SOUTHEASTERLY OF CENTERLINE OF DATE STREET. ELEVATION=1039.286' NAVD 29
INSPECTOR						
DATE COMPLETED						

SCALE
HORIZONTAL
AS SHOWN
VERTICAL
N/A



DAVID EVANS AND ASSOCIATES INC.
PREPARED BY:
GAVIN D. POWELL
R.C.E. No. 67187

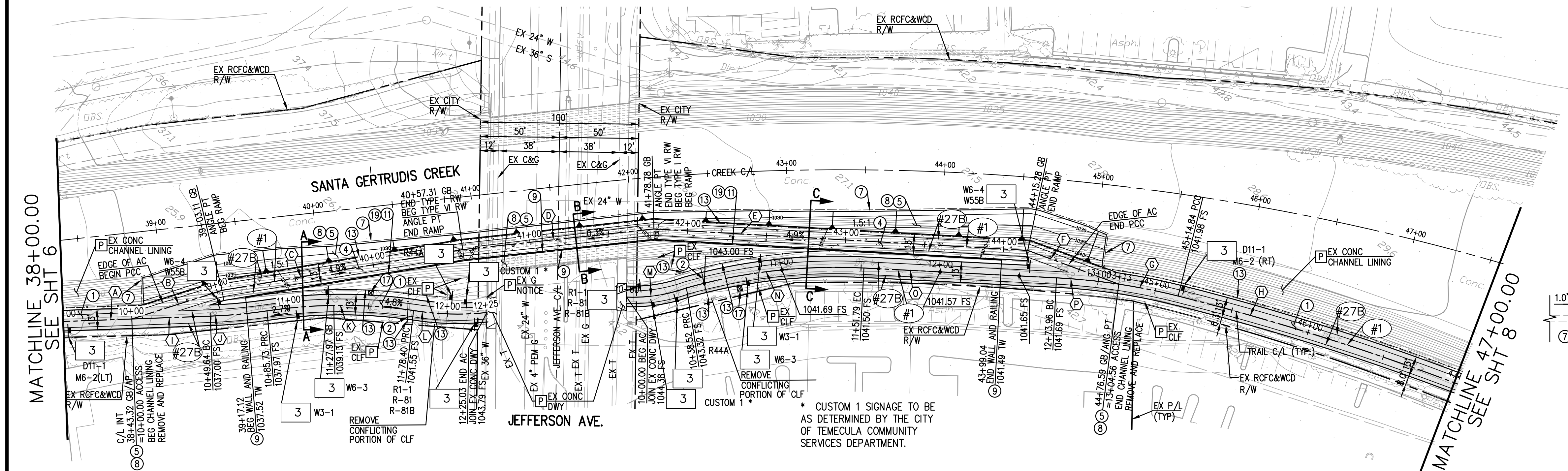
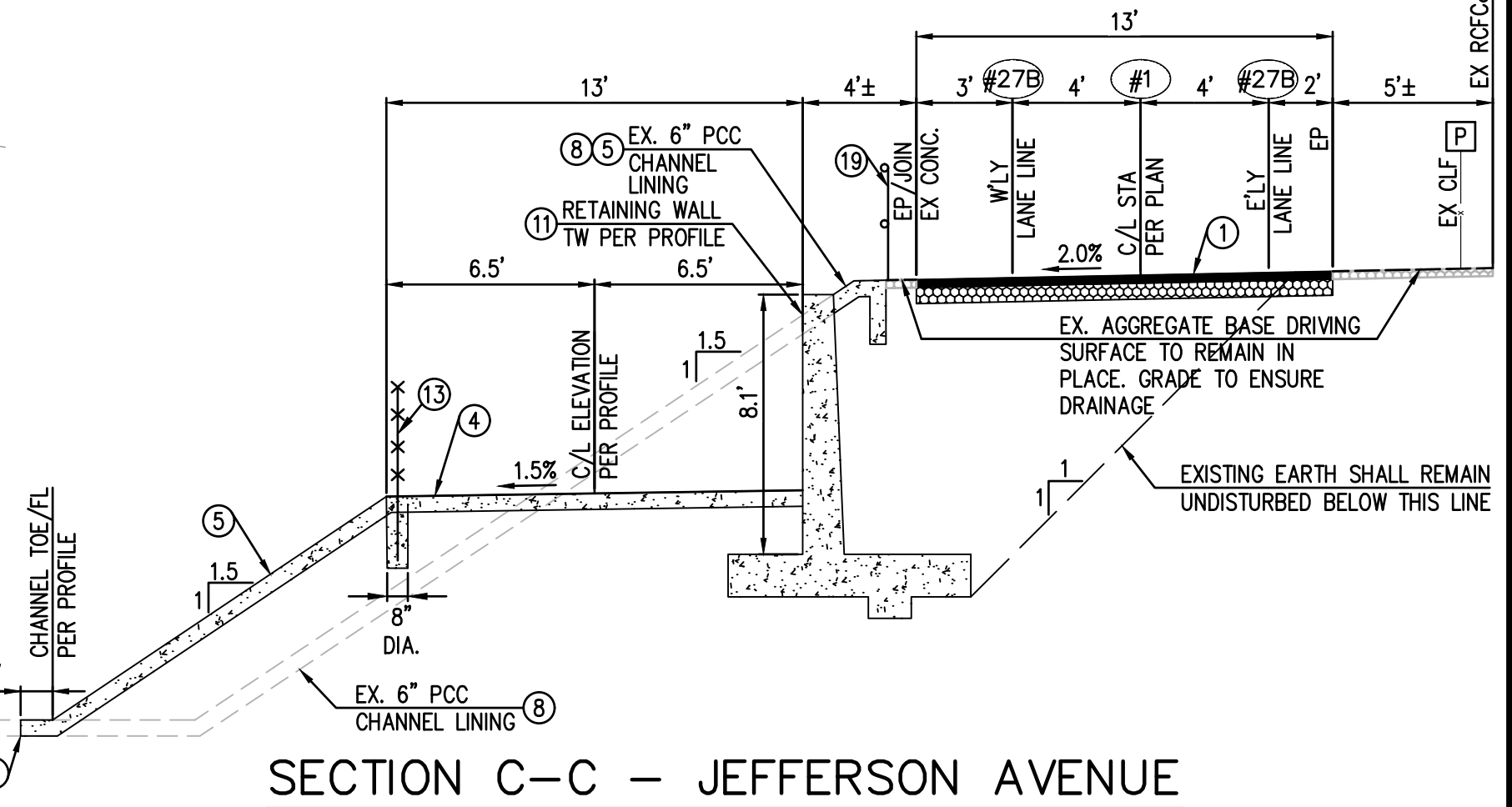
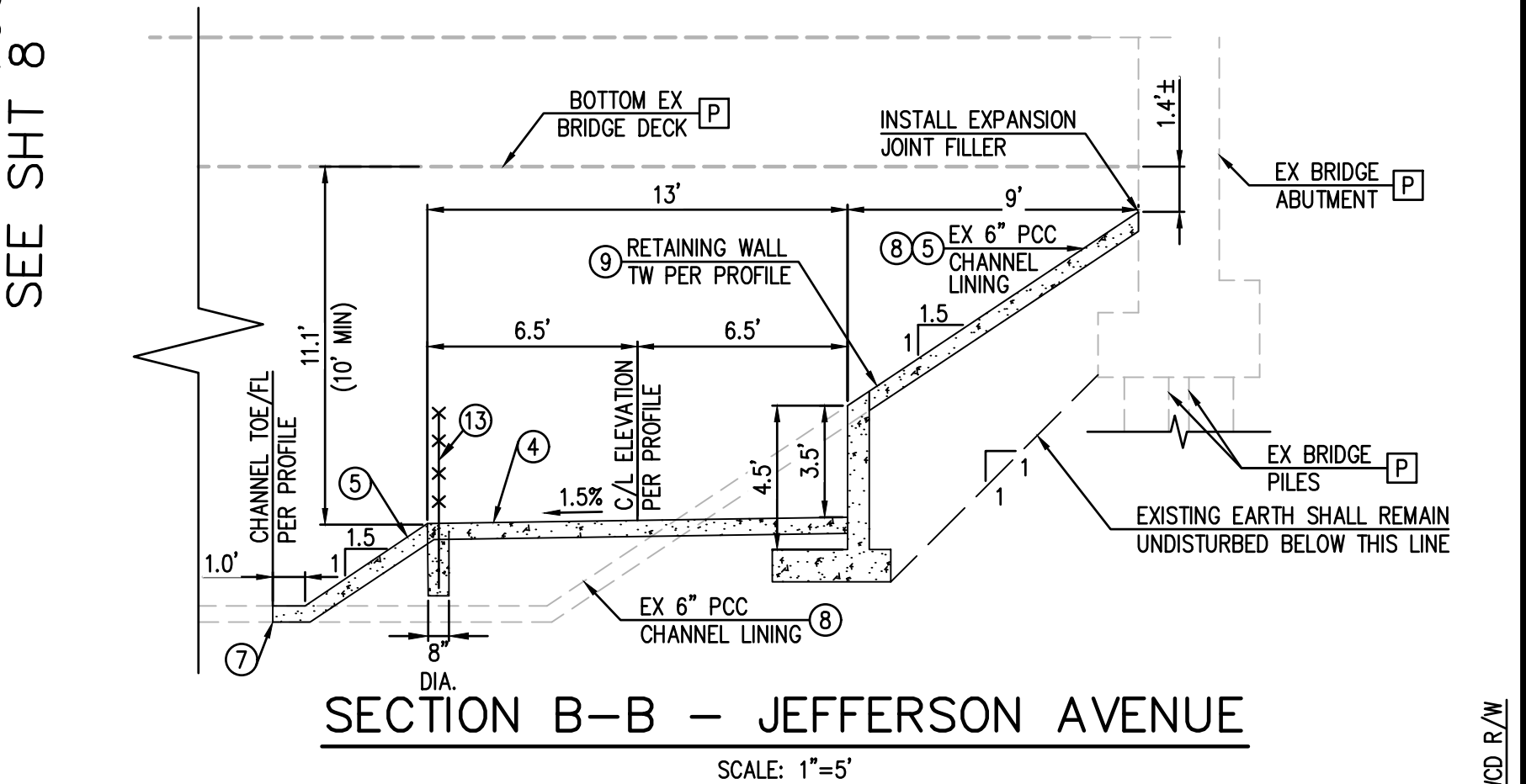
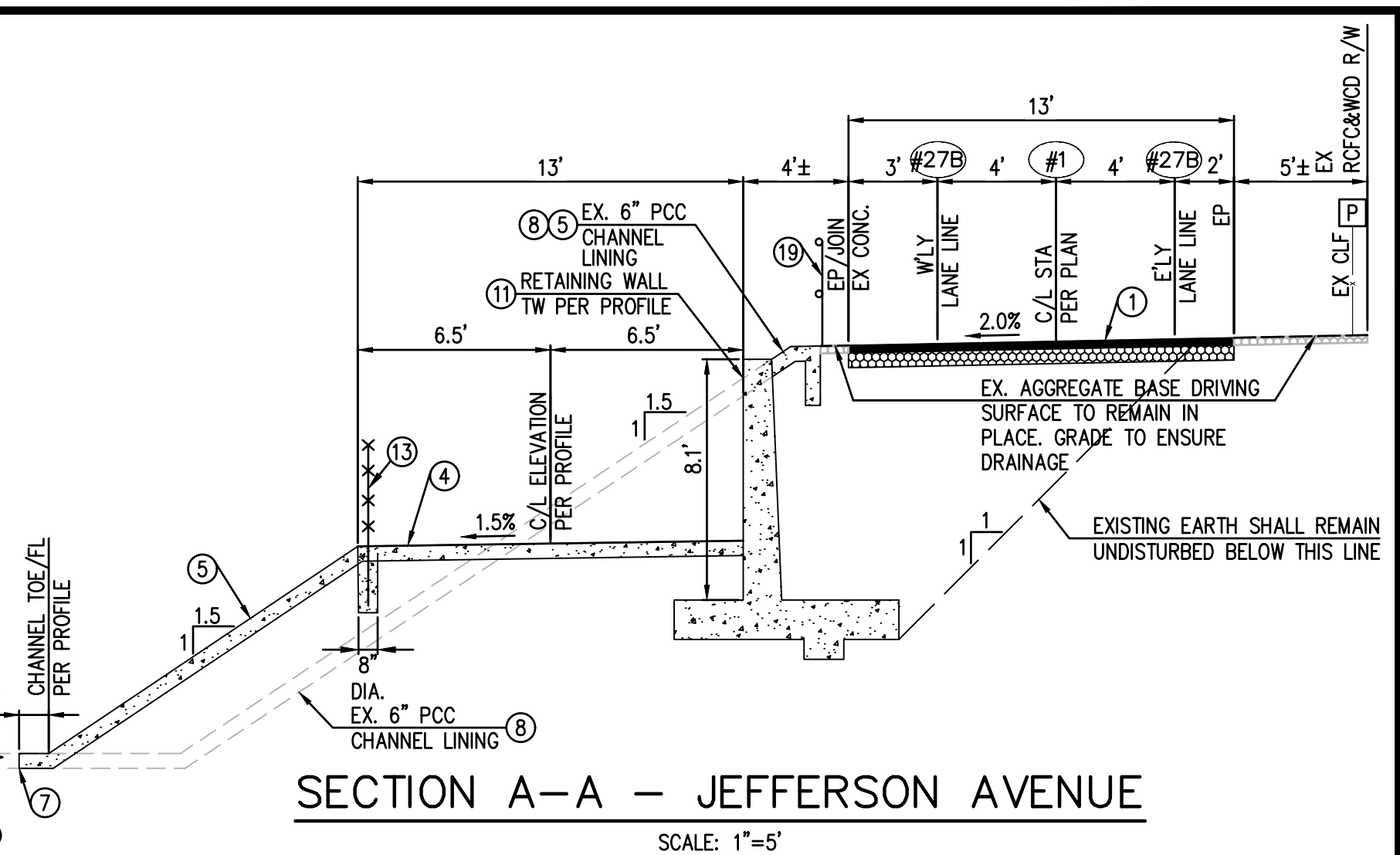
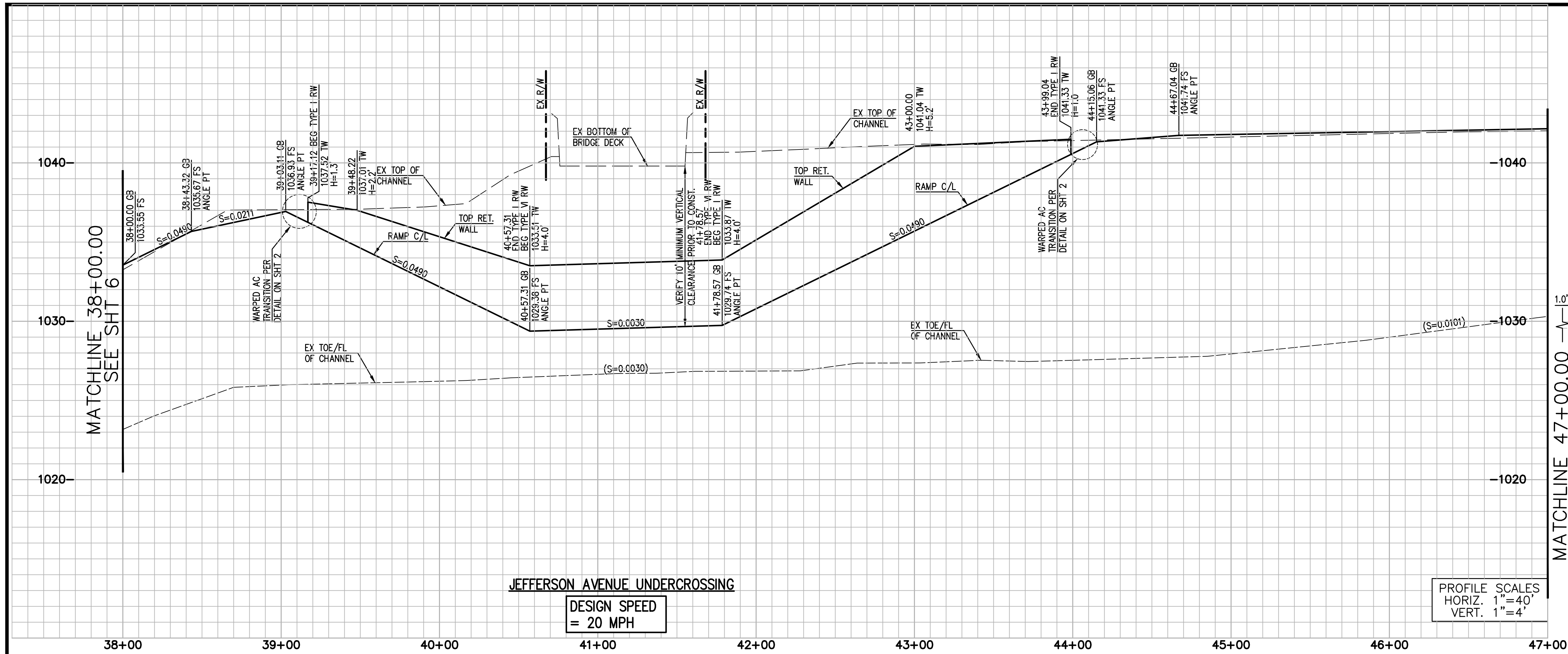
41951 Remington Avenue Suite 220
Temecula California 92590-2553
Phone: 951.294.9300
DATE:
R.C.E. No. 44223

RECOMMENDED BY: AMER ATTAR
PRINCIPAL ENGINEER
DATE:
ACCEPTED BY: PATRICK A. THOMAS
DIRECTOR OF PUBLIC WORKS
DATE:

CITY OF TEMECULA DEPARTMENT OF PUBLIC WORKS

SANTA GERTRUDIS CREEK
PEDESTRIAN/BICYCLE TRAIL EXTENSION AND INTERCONNECT
PW08-04
PEDESTRIAN/BICYCLE TRAIL PLAN

Drawing No.
06
SHT. 6 OF 24



LINE/CURVE TABLE	DELTA/BEARING	RADIUS	LENGTH	TANGENT
(A)	N49°27'60"E	47.93'	---	---
(B)	N33°57'35"E	59.78'	---	---
(C)	N41°56'11"E	154.21'	---	---
(D)	N45°23'08"E	121.47'	---	---
(E)	N54°50'20"E	236.49'	---	---
(F)	N71°52'25"E	61.32'	---	---
(G)	5°30'20"	398.00'	38.24'	19.14'
(H)	8°37'19"	1594.83'	239.99'	120.22'

LINE/CURVE TABLE	DELTA/BEARING	RADIUS	LENGTH	TANGENT
(I)	N49°27'60"E	42.43'	---	---
(J)	6°25'16"	322.00'	36.09'	18.06'
(K)	16°41'47"	318.00'	92.67'	46.66'
(L)	15°43'07"	170.00'	46.64'	23.47'
(M)	22°04'17"	100.00'	38.52'	19.50'
(N)	18°38'57"	348.00'	113.27'	57.14'
(O)	N54°28'20"E	---	121.82'	---
(P)	5°41'36"	398.00'	39.55'	19.79'

- CONSTRUCTION NOTES**
- CONSTRUCT 3" AC OVER 6" AB OVER COMPACTED SUBGRADE
 - CONSTRUCT PIPE SWING GATE PER RCFC&WCD STD. DWG. NO. M820 (MODIFIED) AND DETAIL ON SHT 3
 - CONSTRUCT 6" REINFORCED PCC PAVEMENT ON COMPACTED SUBGRADE PER DETAIL ON SHT 3
 - CONSTRUCT 6" REINFORCED PCC CHANNEL LINING PER RCFC&WCD STD. DWG. NO. CH326
 - SAWCUT AND JOIN EXISTING CONCRETE CHANNEL LINING PER DETAIL ON SHT 2
 - REMOVE EXISTING CONCRETE CHANNEL LINING
 - CONSTRUCT CALTRANS TYPE 6A RETAINING WALL PER STD PLAN B3-7B
 - CONSTRUCT CALTRANS TYPE 1 CONCRETE RETAINING WALL PER STD PLAN B3-1C
 - CONSTRUCT PROTECTIVE CHAIN LINK FENCE PER CALTRANS STD PLAN RSP A85, TYPE CL-4, VINYL CLAD (BLACK) MODIFIED TO 4-FOOT TALL, 2-INCH CLEAR AT BOTTOM OF FENCE
 - CONSTRUCT "DOGPOUT" PET STATION (#1003-L) PER MANUFACTURER'S SPECIFICATIONS
 - CONSTRUCT CABLE RAILING PER CALTRANS STD PLAN B11-47

- #27B - PAINT 6" WHITE PAVEMENT MARKING PER CALTRANS STD A20D MUTCD DETAIL 39 AND 39A
 #1 - PAINT 6" YELLOW CENTERLINE PAVEMENT MARKING PER CALTRANS MUTCD DETAIL 1
 3 - INSTALL SIGNAGE PER MUTCD STANDARD SHOWN ON PLAN

DISPOSITION NOTES
 [P] - PROTECT IN PLACE



CONSTRUCTION RECORD	DATE	BY	REVISIONS	DATE	ACC'D	BENCHMARK
CONTRACTOR						3 1/4" ALUM. DISK STAMPED "RIVERSIDE COUNTY BENCHMARK 600-10-68 RESET 1987" LOCATED 2.0 MILES NORTHWEST ON FRONT STREET FROM MAIN STREET IN TEMECULA, 1.4 MILES NORTHWEST ON JEFFERSON STREET, 38' NORTHEASTERLY OF CENTERLINE OF JEFFERSON, 65' SOUTHEASTERLY OF CENTERLINE OF DATE STREET. ELEVATION=1039.286' NAVD 29
INSPECTOR						
DATE COMPLETED						

SCALE

HORIZONTAL

AS SHOWN

VERTICAL

N/A

REGISTERED PROFESSIONAL ENGINEER

DAVID EVANS AND ASSOCIATES INC.

PREPARED BY: GAVIN D. POWELL

R.C.E. No. 67187

51951 Remington Avenue Suite 220

Temecula California 92590-2553

Phone: 951.294.9300

RECOMMENDED BY:	DATE:
AMER ATTAR PRINCIPAL ENGINEER	
ACCEPTED BY:	DATE:
PATRICK A. THOMAS DIRECTOR OF PUBLIC WORKS	
R.C.E. No. 44223	

CITY OF TEMECULA DEPARTMENT OF PUBLIC WORKS

SANTA GERTRUDIS CREEK

PEDESTRIAN/BICYCLE TRAIL EXTENSION AND INTERCONNECT

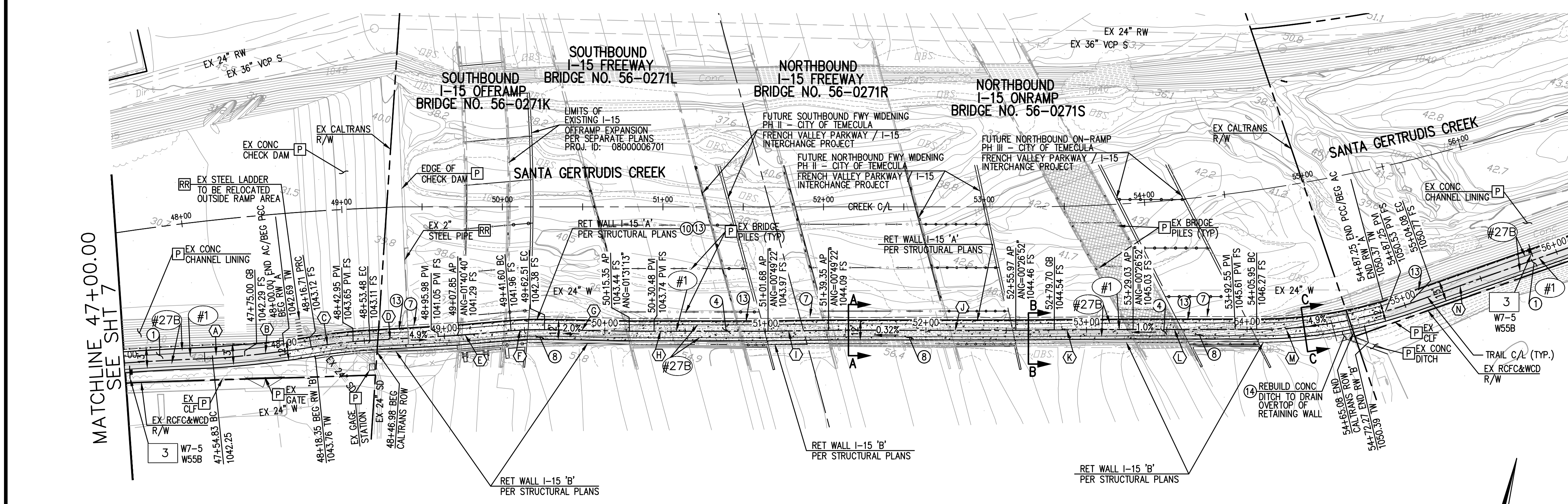
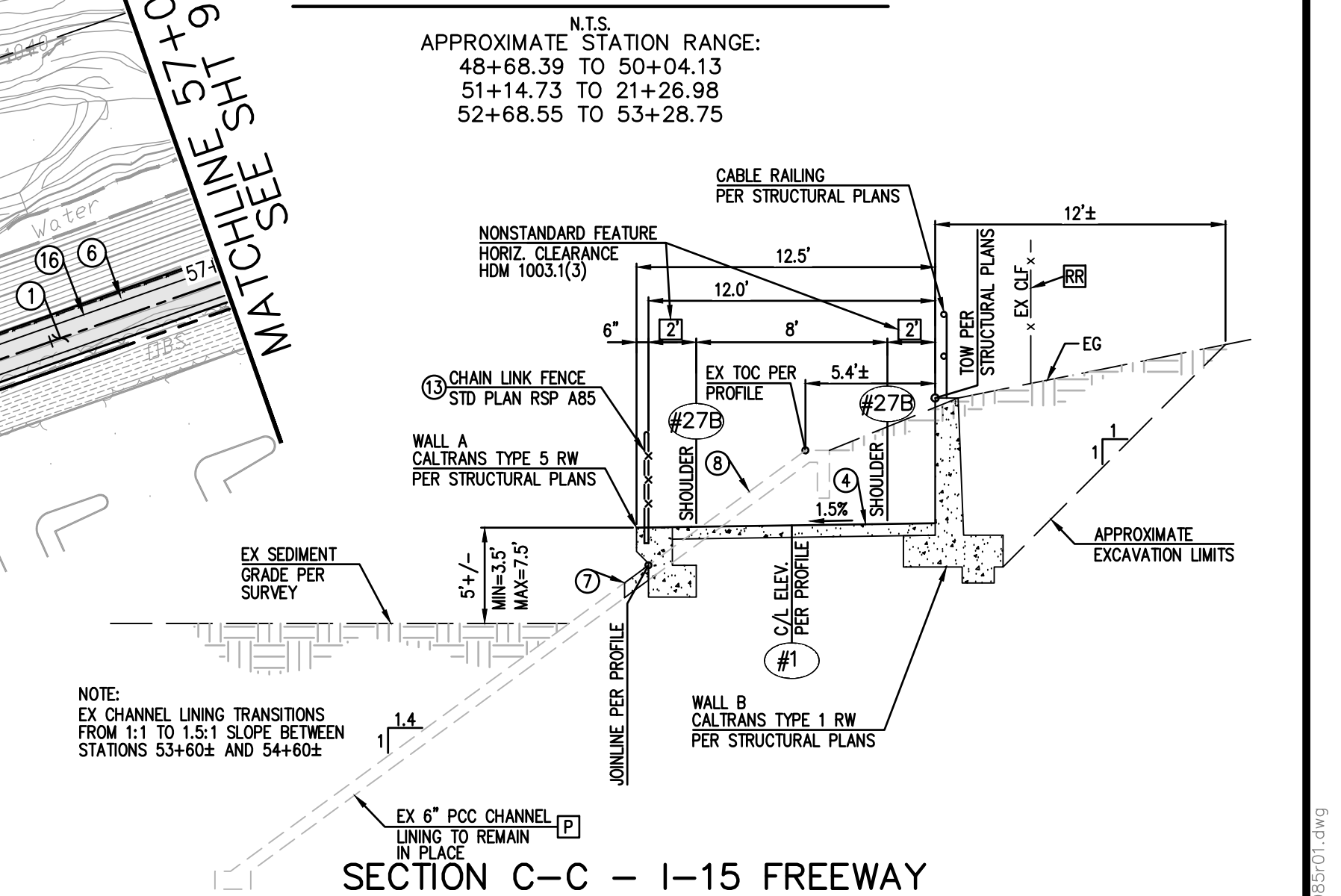
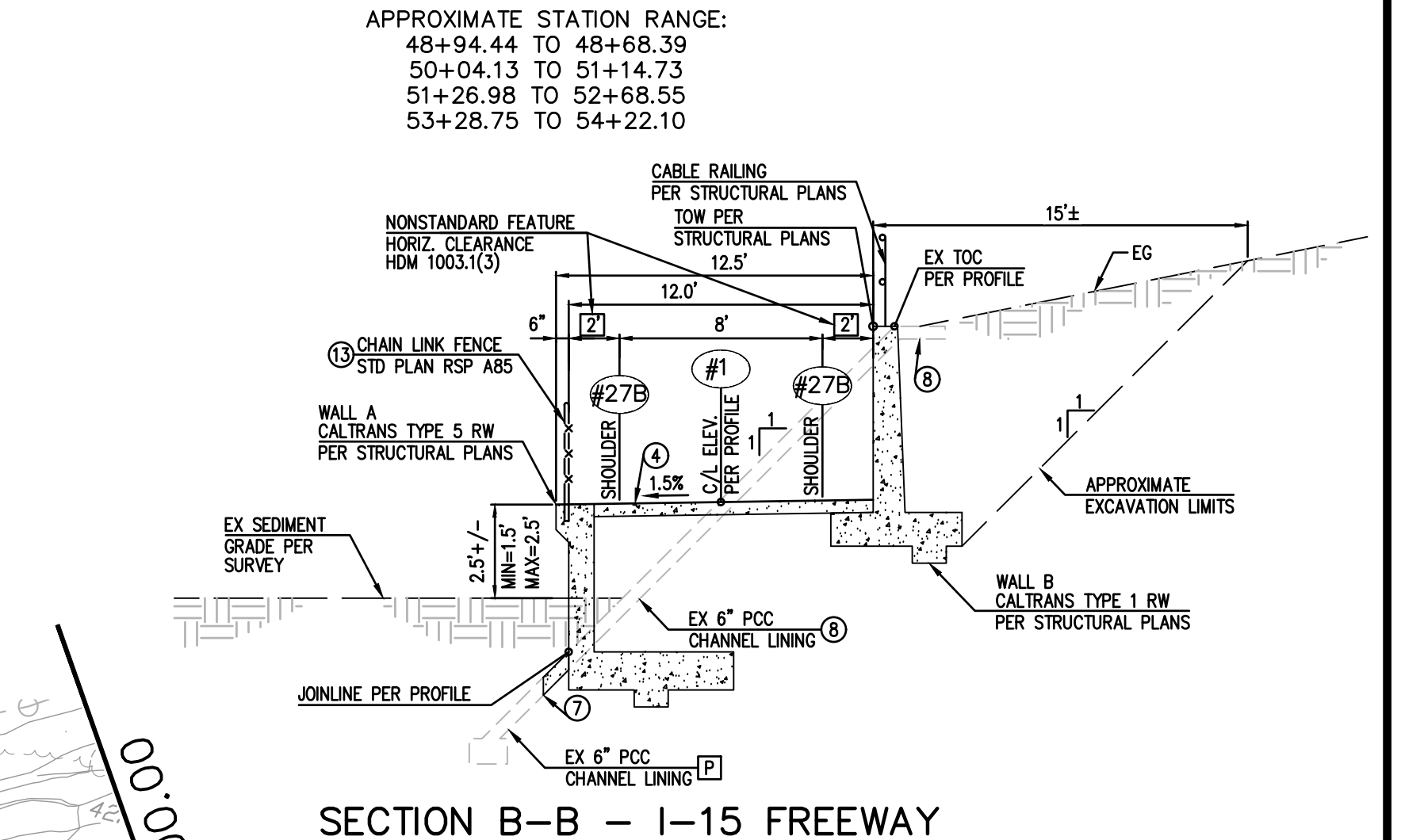
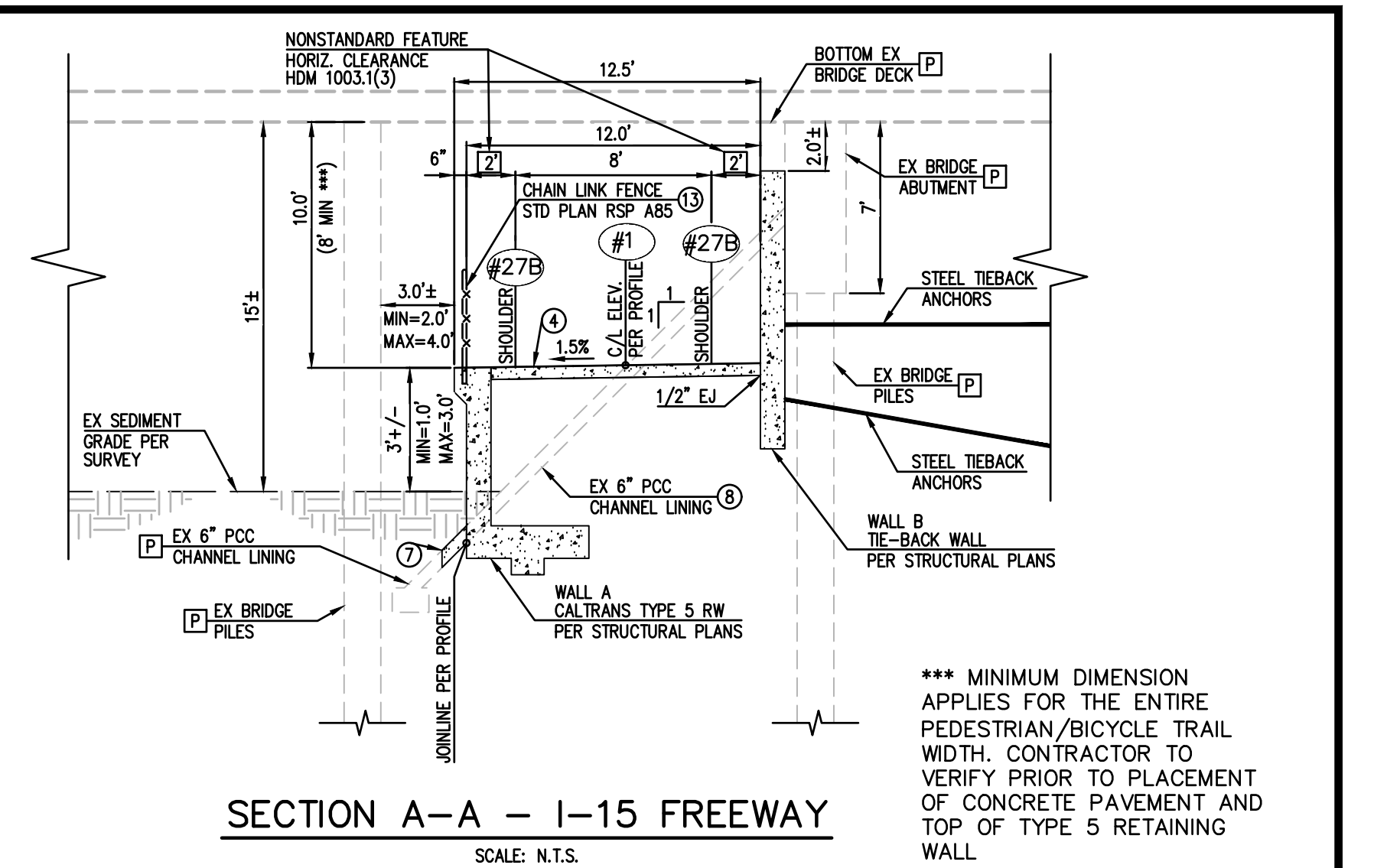
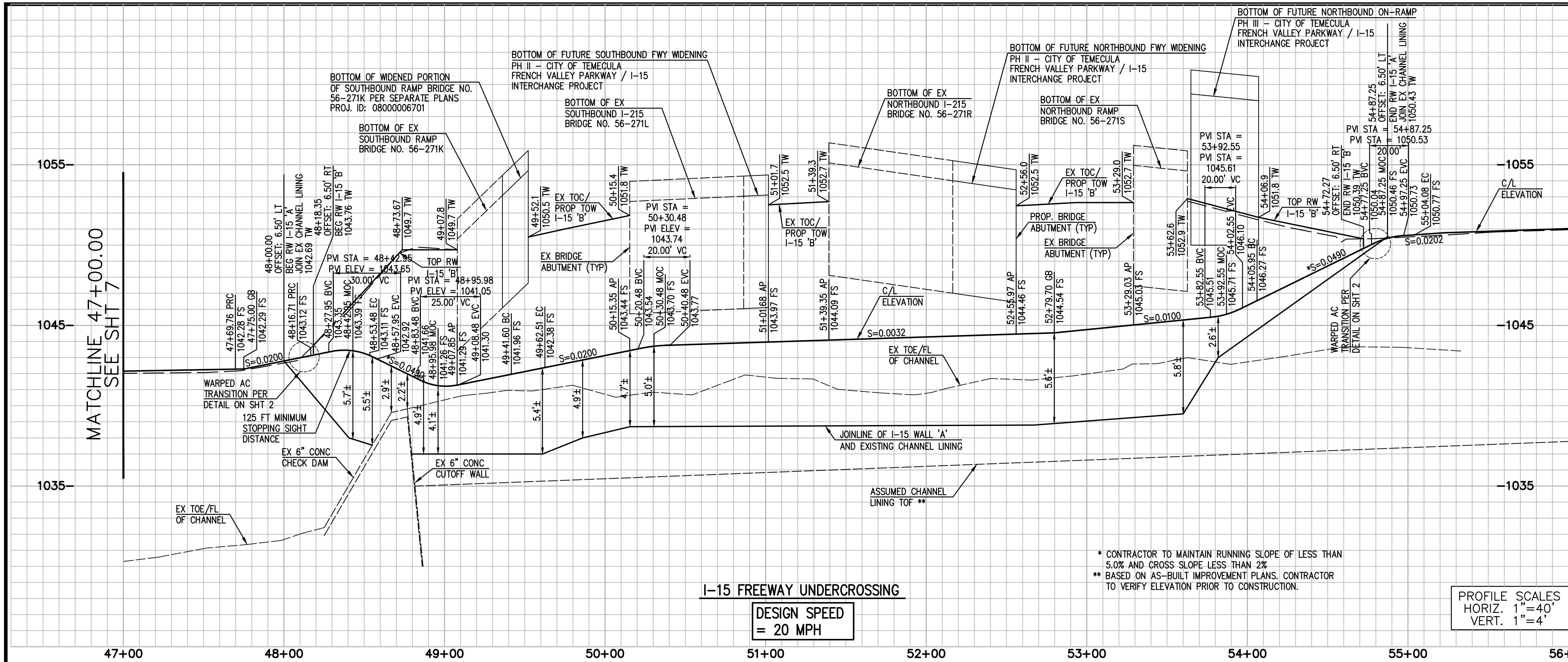
PW08-04

PEDESTRIAN/BICYCLE TRAIL PLAN AND PROFILE

Drawing No.

07

SHT. 7 OF 24



CONSTRUCTION NOTES

1. CONSTRUCT 3" AC OVER 6" AB OVER COMPACTED SUBGRADE
2. CONSTRUCT 6" REINFORCED PCC PAVEMENT ON COMPACTED SUBGRADE PER DETAIL ON SHT 3
3. SAWCUT AND JOIN EXISTING CONCRETE CHANNEL LINING PER DETAIL ON SHT 2
4. CONSTRUCT PERMEABLE ASPHALT PAVEMENT OVER 6" OF CRUSHED 3/4" ROCK PER CITY OF TEMECULA STD NO. 933
5. REMOVE EXISTING CONCRETE CHANNEL LINING
6. CONSTRUCT PROTECTIVE CHAIN LINK FENCE PER CALTRANS STD PLAN RSP A85, TYPE CL-4, VINYL CLAD (BLACK) MODIFIED TO 4-FOOT TALL, 2-INCH CLEAR AT BOTTOM OF FENCE
7. RECONSTRUCT CONCRETE DRAINAGE DITCH
8. CONSTRUCT CONCRETE EDGE RESTRAINT PER CITY OF TEMECULA STD NO. 937

CONSTRUCTION NOTES CONT.

9. PAINT 6" WHITE PAVEMENT MARKING PER CALTRANS STD A200 MUTCD DETAIL 39 AND 39A
10. PAINT 6" YELLOW CENTERLINE PAVEMENT MARKING PER CALTRANS MUTCD DETAIL 1
11. INSTALL SIGNAGE PER CALIFORNIA MUTCD STANDARD SHOWN ON PLAN

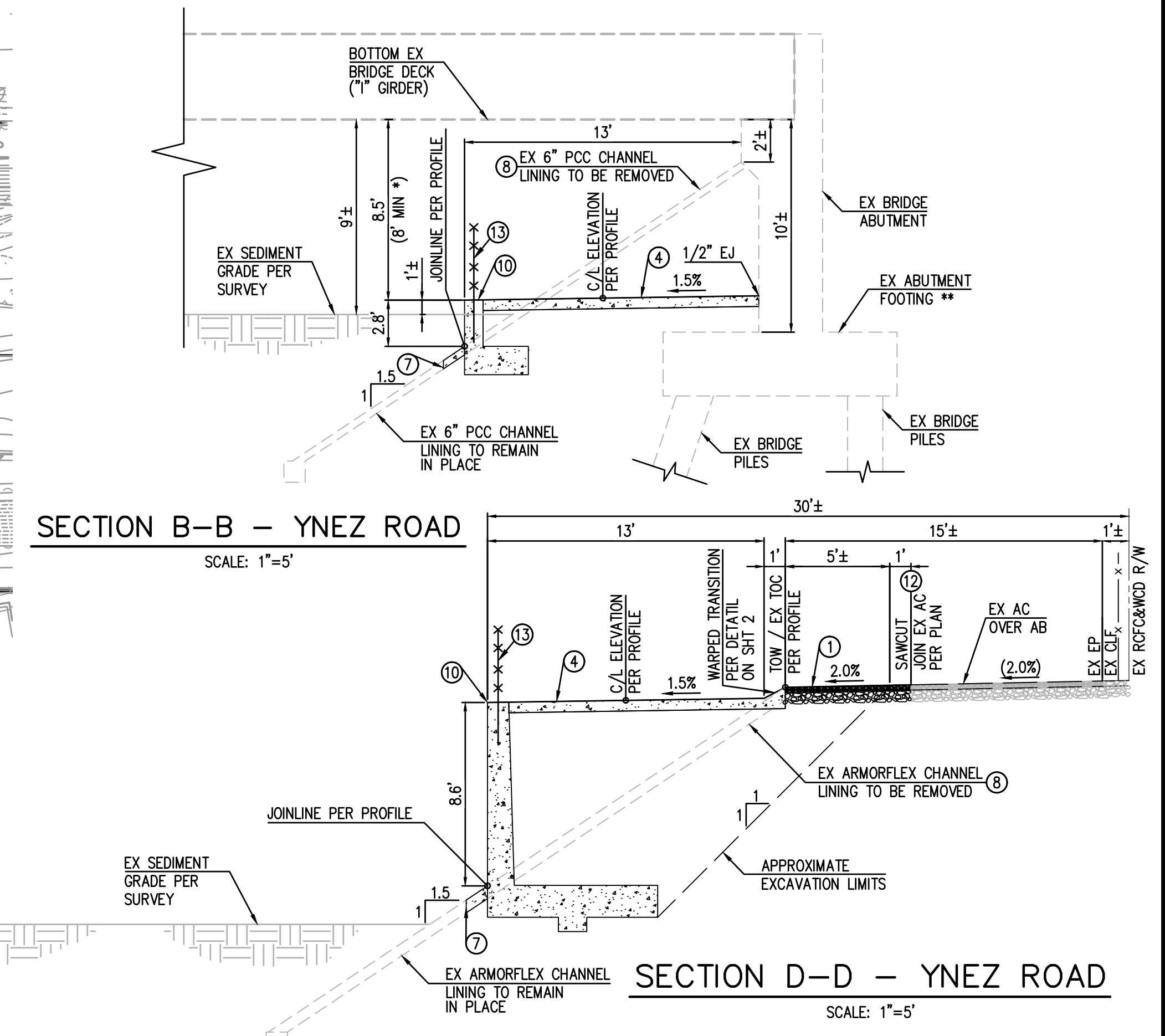
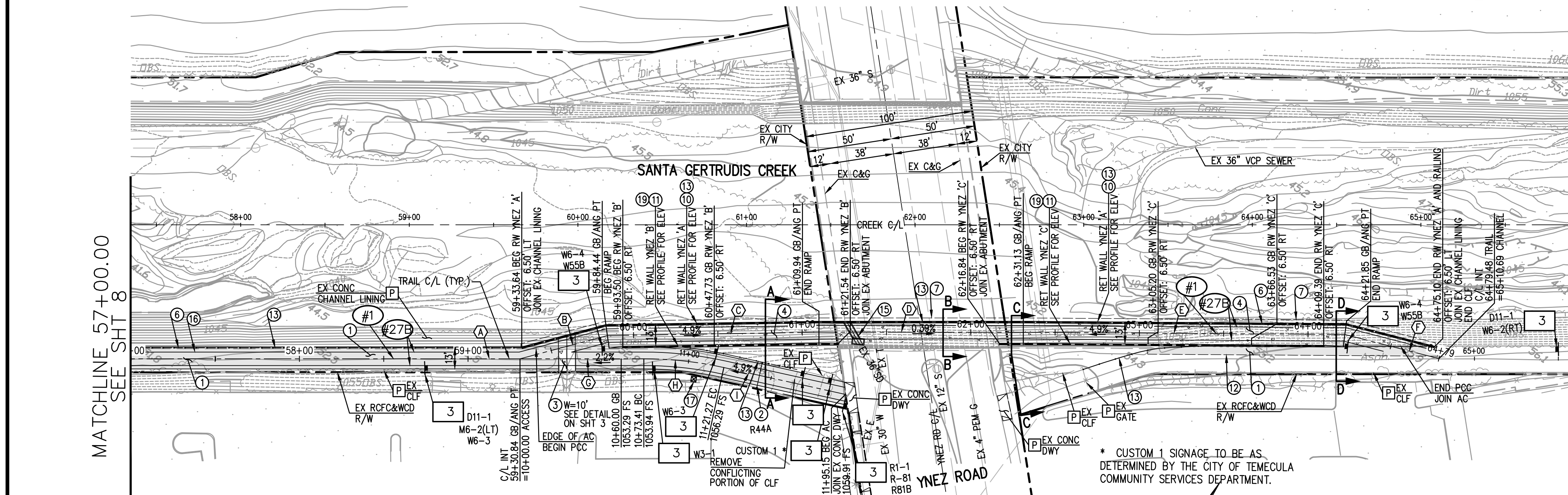
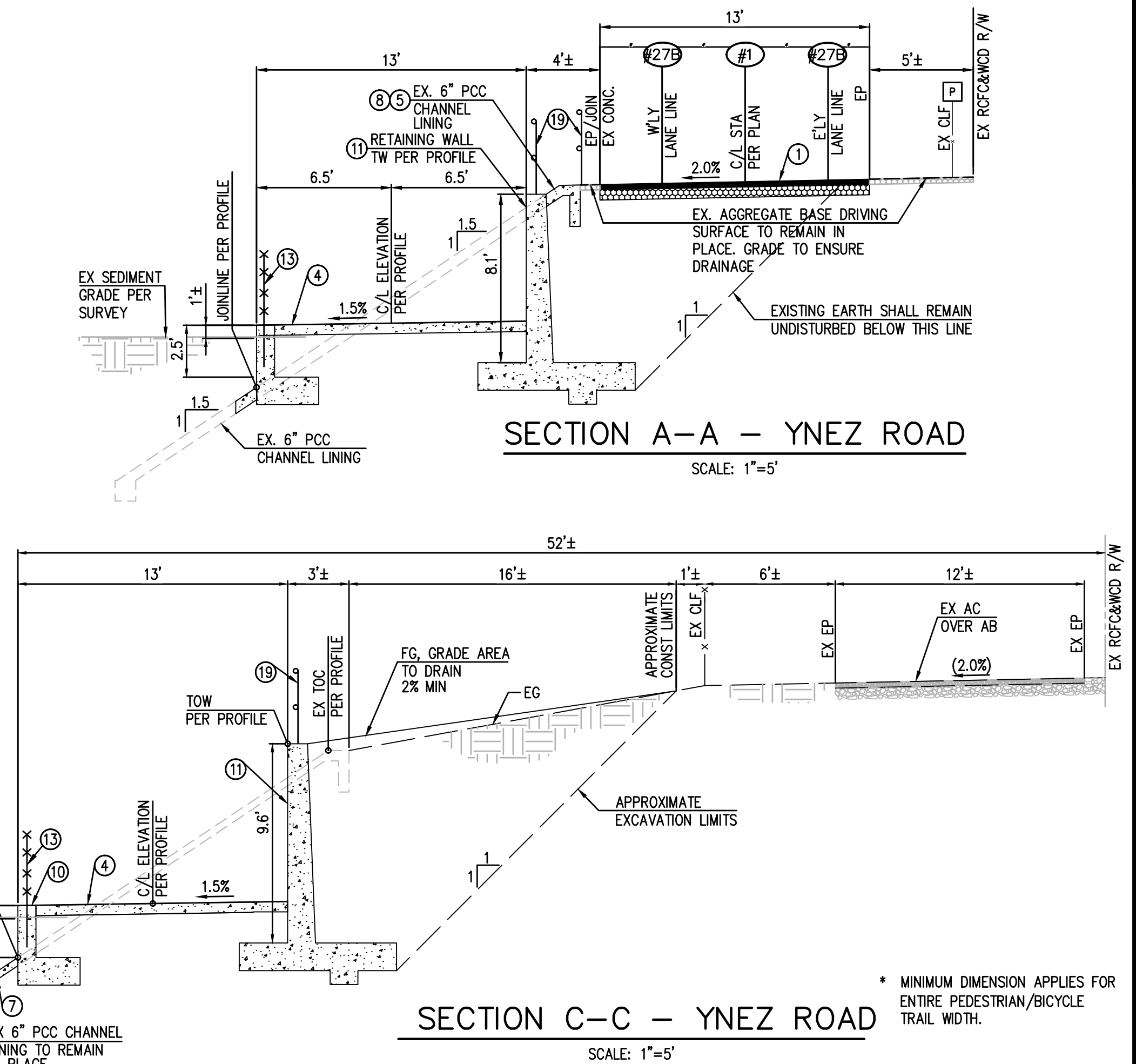
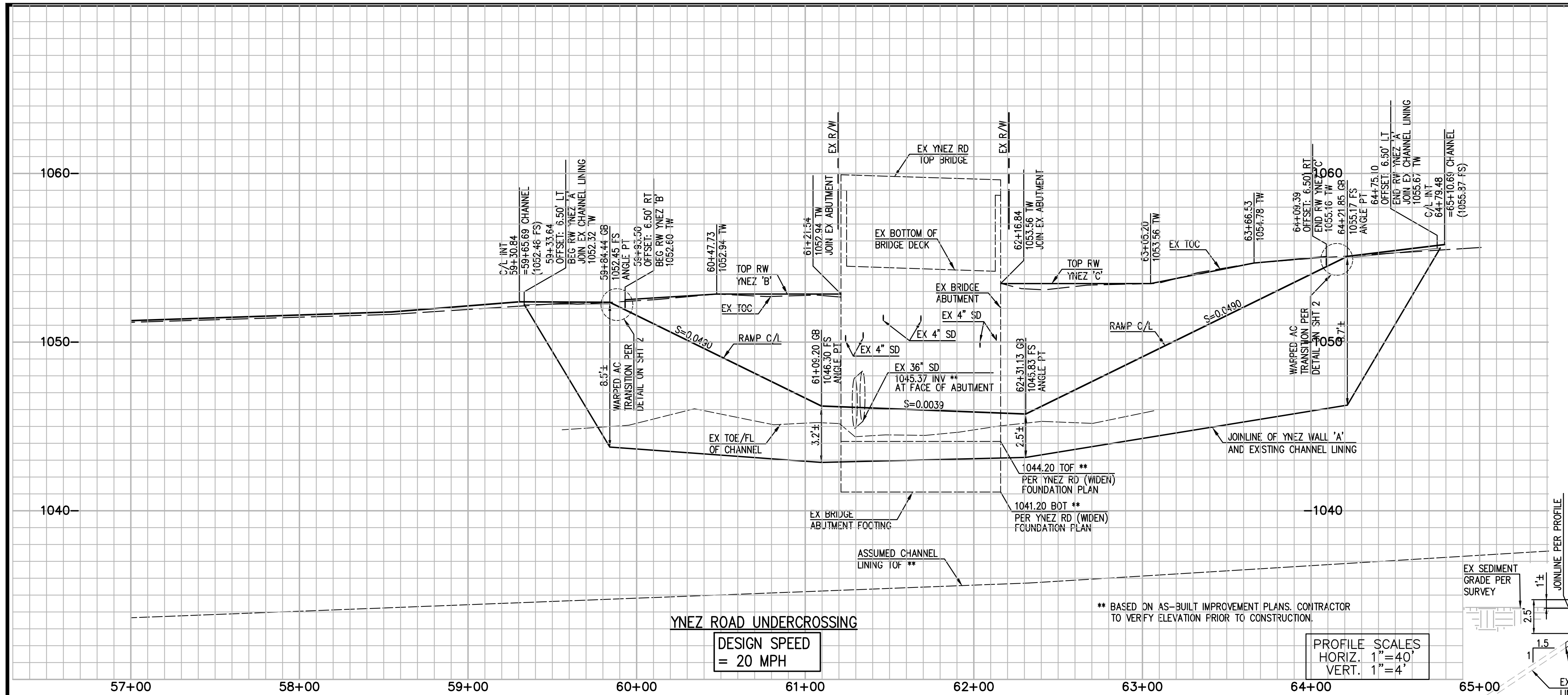
DISPOSITION NOTES

12. PROTECT IN PLACE
13. REMOVE AND REPLACE IN KIND

LINE/CURVE TABLE				LINE/CURVE TABLE			
LINE	DELTA/BEARING	RADIUS	LENGTH	TANGENT	LINE	DELTA/BEARING	RADIUS
(A)	91°2'39"	1587.08'	255.14'	127.85'	(H)	N76°19'00"E	86.33'
(B)	8°24'23"	320.00'	46.95'	23.52'	(I)	N75°29'38"E	37.67'
(C)	6°35'00"	320.00'	36.77'	18.40'	(J)	N76°19'00"E	116.62'
(D)	N73°03'33"E	---	54.37'	---	(K)	N75°52'08"E	73.07'
(E)	N71°22'53"E	---	33.75'	---	(L)	N76°19'00"E	76.92'
(F)	S59°19'	200.00'	20.91'	10.46'	(M)	S19°23'12"	290.00'
(G)	N77°22'13"E	---	52.85'	---	(N)	N56°55'48"E	426.76'



CONSTRUCTION RECORD		DATE	BY	REVISIONS	DATE	ACC'D	BENCHMARK	SCALE		41951 Remington Avenue Suite 220 Temecula California 92590-2563 Phone: 951.294.9300	RECOMMENDED BY:	DATE:	CITY OF TEMECULA DEPARTMENT OF PUBLIC WORKS SANTA GERTRUDIS CREEK PEDESTRIAN/BICYCLE TRAIL EXTENSION AND INTERCONNECT PW08-04 PEDESTRIAN/BICYCLE TRAIL PLAN AND PROFILE	Drawing No.
CONTRACTOR							3 1/4" ALUM. DISK STAMPED "RIVERSIDE COUNTY BENCHMARK 600-10-68 RESET 1987" LOCATED 2.0 MILES NORTHWEST ON FRONT STREET FROM MAIN STREET IN TEMECULA, 1.4 MILES NORTHWEST ON JEFFERSON STREET, 38' NORTHEASTERLY OF CENTERLINE OF JEFFERSON STREET, 65' SOUTHEASTERLY OF CENTERLINE OF DATE STREET. ELEVATION=1039.286' NAVD 29	HORIZONTAL			AMER ATTAR PRINCIPAL ENGINEER			08
INSPECTOR							AS SHOWN	VERTICAL			ACCEPTED BY:	DATE:		
DATE COMPLETED							N/A	GAVIN D. POWELL R.C.E.No. 67187			DATE:	R.C.E. No. 44223		



CONSTRUCTION NOTES

- CONSTRUCT 3" AC OVER 6" AB OVER COMPACTED SUBGRADE
- CONSTRUCT PIPE SWING GATE PER RCF&WCD STD. DWG. NO. M820 (MODIFIED) AND DETAIL ON SHT 3
- CONSTRUCT CONCRETE DRAINAGE APRON (W=PER PLAN) PER RCF&WCD STD. DWG. NO. CH333
- CONSTRUCT 6" REINFORCED PCC PAVEMENT ON COMPACTED SUBGRADE PER DETAIL ON SHT 3
- CONSTRUCT PERMEABLE ASPHALT PAVEMENT OVER 6" OF CRUSHED 3/4" ROCK PER CITY OF TEMECULA STD. NO. 933
- SAWCUT AND JOIN EXISTING CONCRETE CHANNEL LINING PER DETAIL ON SHT 3
- REMOVE EXISTING CONCRETE CHANNEL LINING
- CONSTRUCT CALTRANS TYPE 5 CONCRETE RETAINING WALL PER STD PLAN B3-4A
- CONSTRUCT CALTRANS TYPE 1 CONCRETE RETAINING WALL PER STD PLAN B3-1C
- SAWCUT EXISTING AC PAVEMENT

CONSTRUCTION NOTES CONT.

- CONSTRUCT PROTECTIVE CHAIN LINK FENCE PER CALTRANS STD PLAN RSP A85, TYPE CL-4, VINYL CLAD (BLACK/MODIFIED) TO 4-FOOT TALL, 2-INCH CLEAR AT BOTTOM OF FENCE
- CONSTRUCT STORM DRAIN / CULVERT TRANSITION PER DETAIL ON SHT 2
- CONSTRUCT CONCRETE EDGE RESTRAINT PER CITY OF TEMECULA STD. NO. 937
- CONSTRUCT "DOGPOUT" PET STATION (#1003-L) PER MANUFACTURERS SPECIFICATIONS
- CONSTRUCT CABLE RAILING PER CALTRANS STD PLAN B11-47
- PAINT 6" WHITE PAVEMENT MARKING PER CALTRANS STD A200 MUTCD DETAIL 39 AND 39A
- PAINT 6" YELLOW CENTERLINE PAVEMENT MARKING PER CALTRANS MUTCD DETAIL 1
- INSTALL SIGNAGE PER CALIFORNIA MUTCD STANDARD SHOWN ON PLAN

DISPOSITION NOTES

[P] - PROTECT IN PLACE

LINE/CURVE TABLE				
	DELTA/BEARING	RADIUS	LENGTH	TANGENT
(A)	N56°55'48"E	----	407.86'	----
(B)	N42°02'02"E	----	53.60'	----
(C)	N56°02'02"E	----	125.50'	----
(D)	N56°55'48"E	----	121.19'	----
(E)	N57°19'18"E	----	190.72'	----
(F)	N71°19'18"E	----	57.63'	----
(G)	N56°55'48"E	----	73.41'	----
(H)	12°27'52"	220.00'	47.86'	24.02'
(I)	N69°23'40"E	----	73.88'	----



CONSTRUCTION RECORD	DATE	BY	REVISIONS	DATE	ACC'D	BENCHMARK	SCALE
CONTRACTOR						3 1/4" ALUM. DISK STAMPED "RIVERSIDE COUNTY BENCHMARK 600-10-68 RESET 1987" LOCATED 2.0 MILES NORTHWEST ON FRONT STREET FROM MAIN STREET IN TEMECULA, 1.4 MILES NORTHWEST ON JEFFERSON STREET, 38' NORTHEASTERLY OF CENTERLINE OF JEFFERSON, 65' SOUTHEASTERLY OF CENTERLINE OF DATE STREET. ELEVATION=1039.286' NAVD 29	HORIZONTAL
INSPECTOR							AS SHOWN
DATE COMPLETED							VERTICAL
							N/A



DAVID EVANS AND ASSOCIATES INC.
19151 Remington Avenue Suite 220
Temecula California 92590-2553
Phone: 951.294.9300

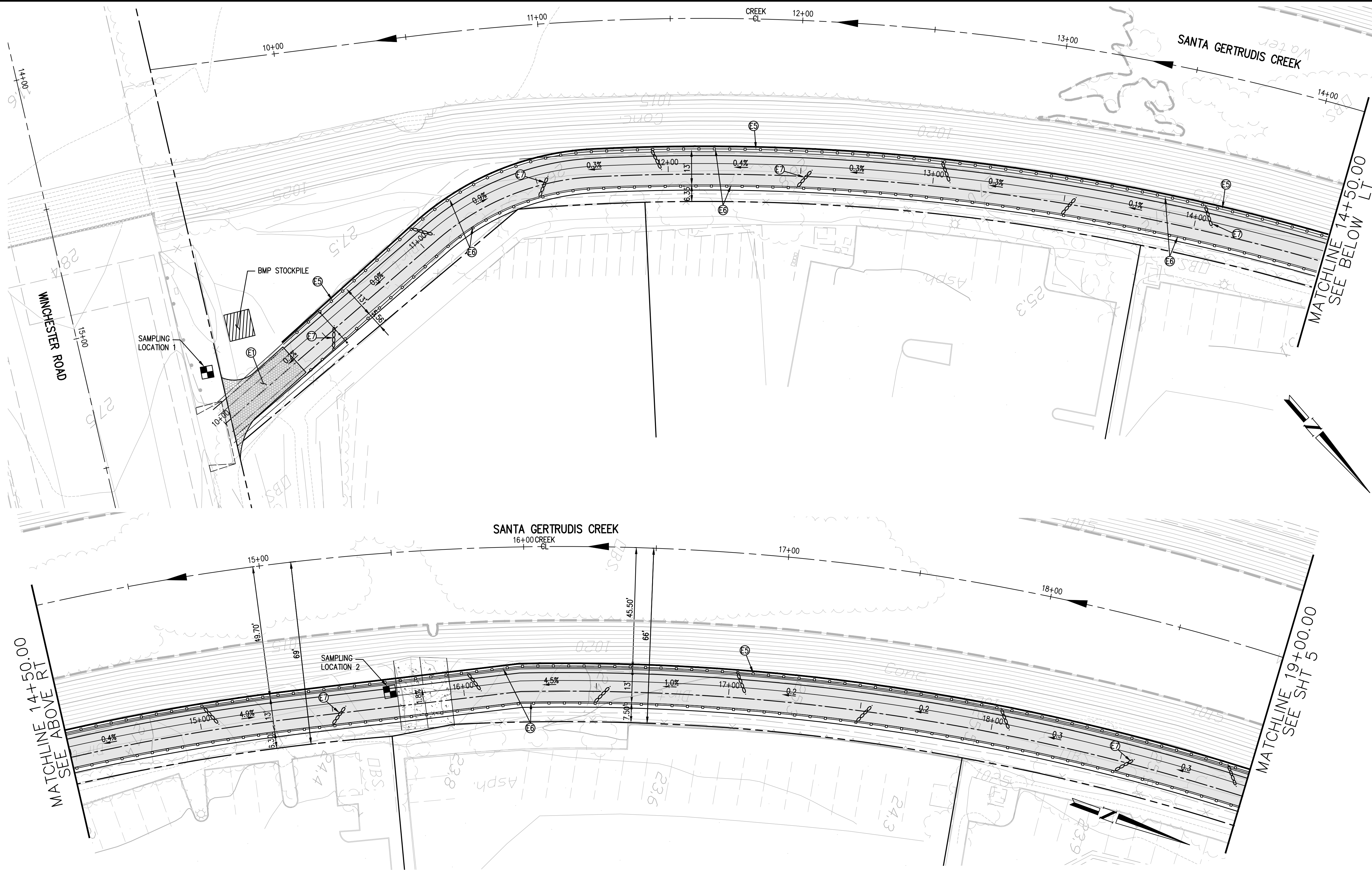
PREPARED BY:
GAVIN D. POWELL
R.C.E. No. 67187

RECOMMENDED BY: _____ DATE: _____
AMER ATTAR
PRINCIPAL ENGINEER

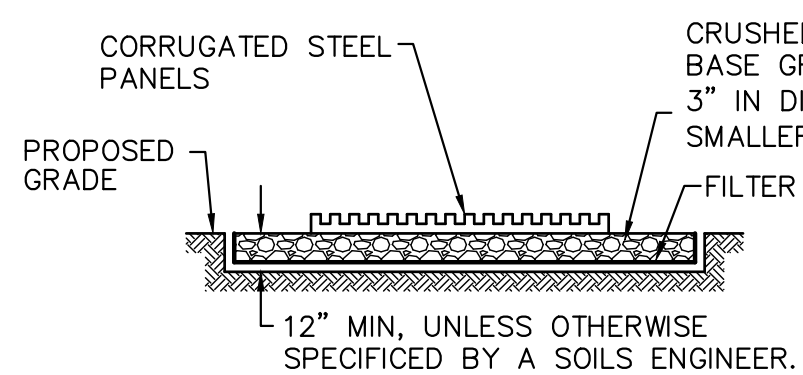
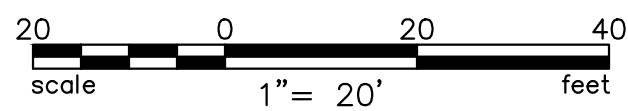
ACCEPTED BY: _____ DATE: _____
PATRICK A. THOMAS
DIRECTOR OF PUBLIC WORKS

R.C.E. No. 44223

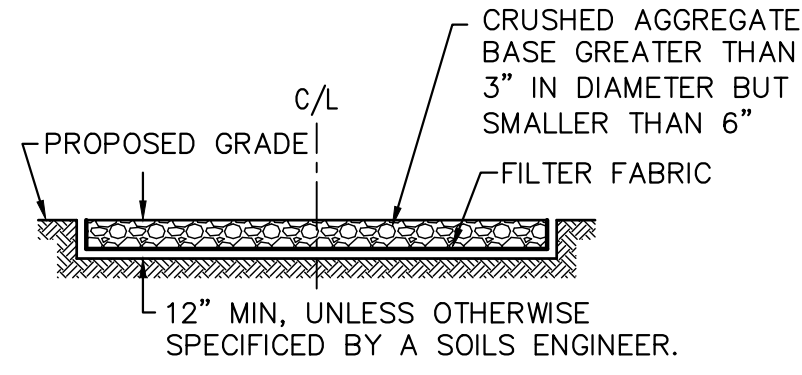
CITY OF TEMECULA DEPARTMENT OF PUBLIC WORKS		Drawing No.
SANTA GERTRUDIS CREEK PEDESTRIAN/BICYCLE TRAIL EXTENSION AND INTERCONNECT PW08-04		09
PEDESTRIAN/BICYCLE TRAIL PLAN AND PROFILE		SHT. 9 OF 24



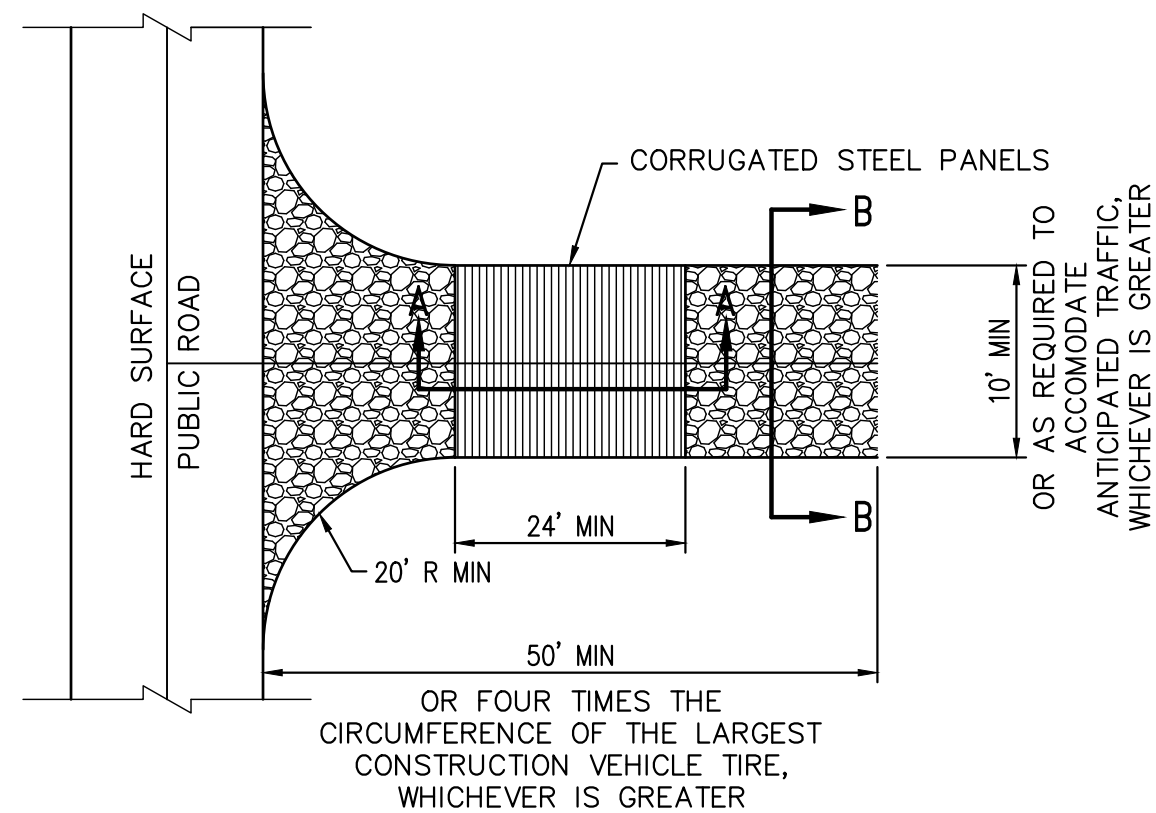
NOTE:
PLEASE REFER TO THE SWPPP FOR ADDITIONAL EROSION CONTROL REQUIREMENTS. CONTRACTOR IS RESPONSIBLE TO ADHERE TO THE CONSTRUCTION GENERAL PERMIT, STATE WATER RESOURCE CONTROL BOARD



SECTION A - A



SECTION B - B



PLAN VIEW

E1 | STABILIZED CONSTRUCTION ENTRANCE
SCALE: N.T.S.

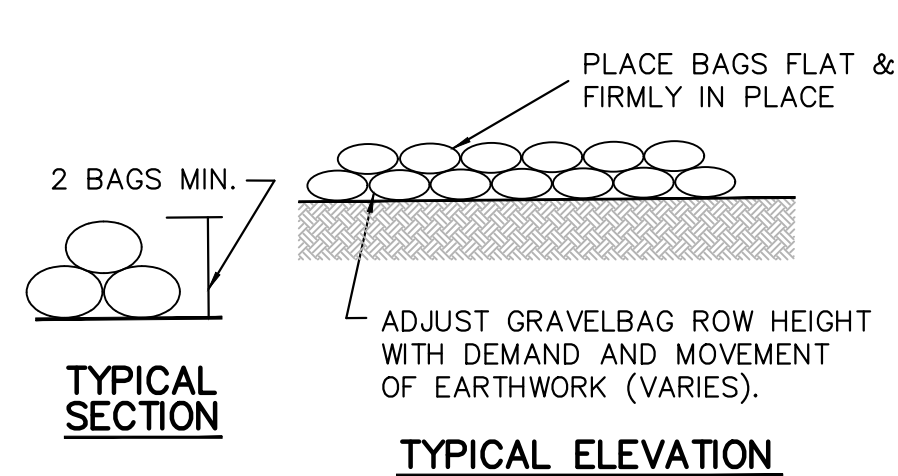
EROSION CONTROL CONSTRUCTION NOTES

- (E1) - INSTALL STABILIZED CONSTRUCTION ENTRANCE PER CASQA BMP TC-1, (SEE DETAIL HEREON)
- (E2) - CONSTRUCT CONCRETE WASH-OUT AREA PER CASQA BMP WM-8.
- (E3) - COVER SLOPES WITH EC BLANKETS
- (E4) - INSTALL GRAVEL BAG BERM PER CASQA BMP SE-6, (SEE DETAIL HEREON)
- (E5) - INSTALL FIBER ROLL PER DETAIL HEREON
- (E6) - INSTALL SILT FENCE PER DETAIL HEREON
- (E7) - INSTALL GRAVEL BAG CHECK DAM

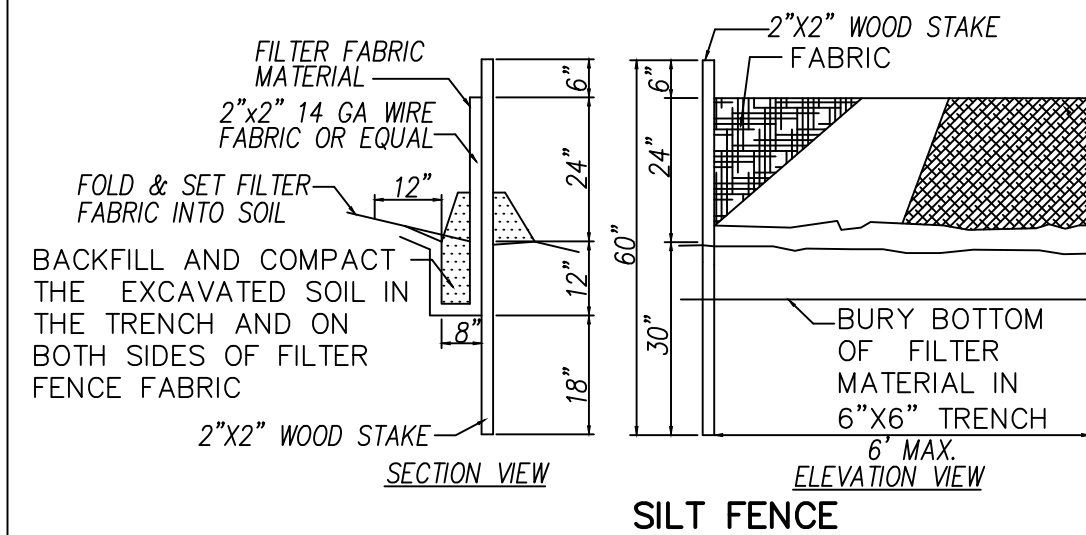
NOTE: WEEKLY WEATHER REPORT TO BE SUBMITTED TO NOAA.GOV

LEGEND OF SYMBOLS

- GRAVEL BAGS
- CONSTRUCTION ENTRANCE
- FIBER ROLL
- SAMPLING LOCATION



E4 | GRAVEL BAG DETAIL
SCALE: N.T.S.



E6 | SILT FENCE DETAIL
SCALE: N.T.S.



CONSTRUCTION RECORD	DATE	BY	REVISIONS	DATE	ACC'D	BENCHMARK
CONTRACTOR						3 1/4" ALUM. DISK STAMPED "RIVERSIDE COUNTY BENCHMARK 600-10-68 RESET 1987" LOCATED 2.0 MILES NORTHWEST ON FRONT STREET FROM MAIN STREET IN TEMECULA, 1.4 MILES NORTHWEST ON JEFFERSON STREET, 38' NORTHEASTERLY OF CENTERLINE OF JEFFERSON, 65' SOUTHEASTERLY OF CENTERLINE OF DATE STREET. ELEVATION=1039.286' NAVD 29
INSPECTOR						
DATE COMPLETED						

SCALE

HORIZONTAL

AS SHOWN

VERTICAL

N/A

REGISTERED PROFESSIONAL ENGINEER

GAVIN D. POWELL

No. 067187

CIVIL

STATE OF CALIFORNIA

DAVID EVANS AND ASSOCIATES INC.

1951 Remington Avenue Suite 220

Temecula California 92590-2553

Phone: 951.294.9300

PREPARED BY:

GAVIN D. POWELL

R.C.E.No. 67187

DATE:

RECOMMENDED BY:

AMER ATTAR

PRINCIPAL ENGINEER

DATE:

ACCEPTED BY:

PATRICK A. THOMAS

DIRECTOR OF PUBLIC WORKS

R.C.E. No. 44223

DATE:

CITY OF TEMECULA DEPARTMENT OF PUBLIC WORKS

SANTA GERTRUDIS CREEK

PEDESTRIAN/BICYCLE TRAIL EXTENSION AND INTERCONNECT

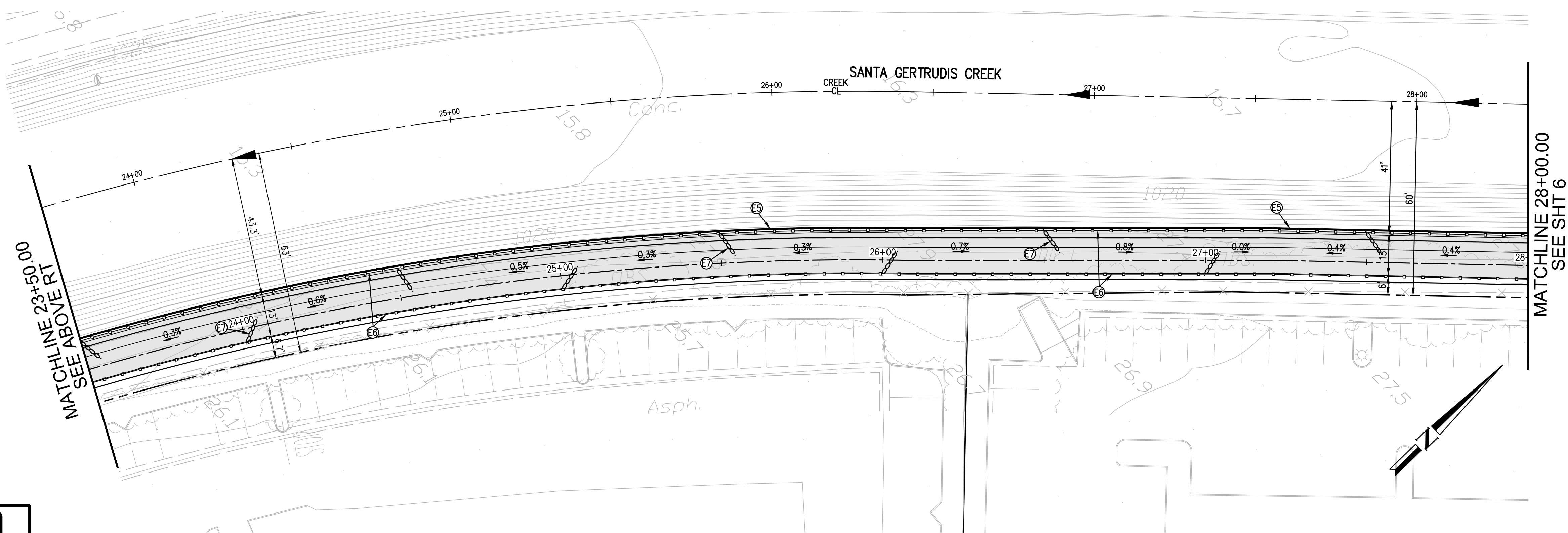
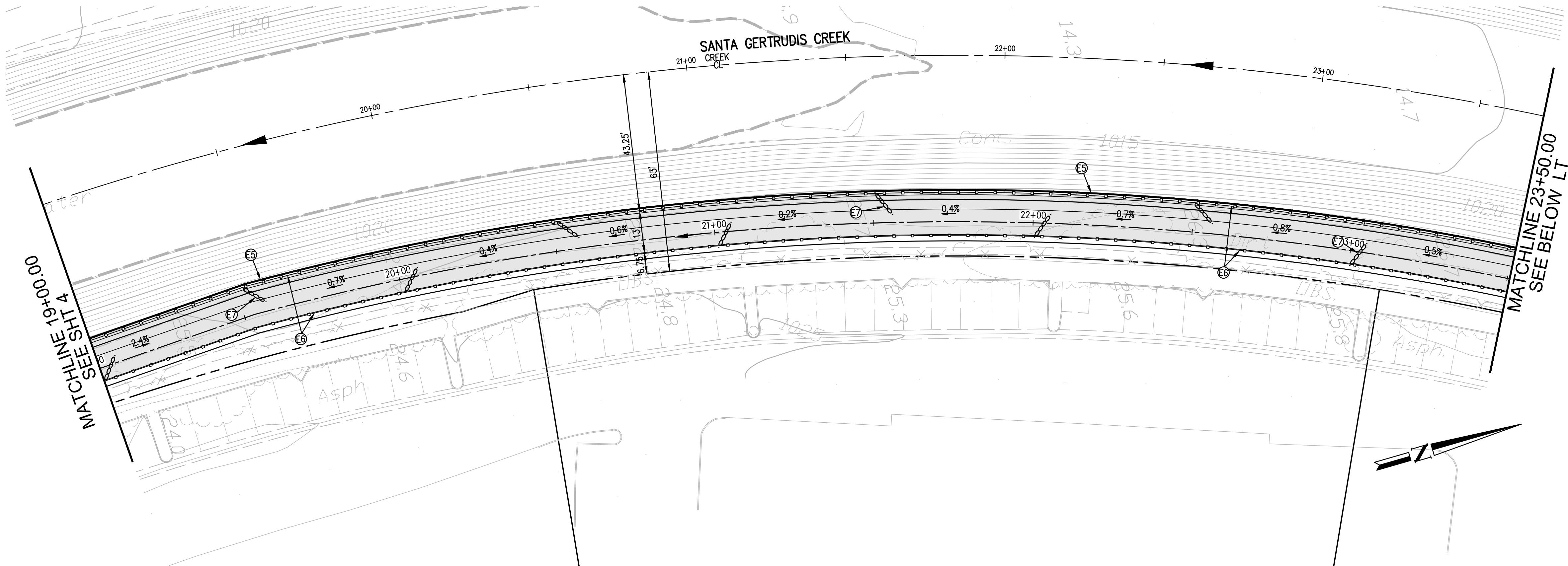
PW08-04

EROSION CONTROL

Drawing No.

01

SHT. 1 OF 5



EROSION CONTROL CONSTRUCTION NOTES

- E1-INSTALL STABILIZED CONSTRUCTION ENTRANCE PER CASQA BMP TC-1, (SEE DETAIL HEREON)
- E2-CONSTRUCT CONCRETE WASH-OUT AREA PER CASQA BMP WM-8.
- E3-COVER SLOPES WITH EC BLANKETS
- E4-INSTALL GRAVEL BAG BERM PER CASQA BMP SE-6, (SEE DETAIL HEREON)
- E5-INSTALL FIBER ROLL PER DETAIL HEREON
- E6-INSTALL SILT FENCE PER DETAIL HEREON
- E7-INSTALL GRAVEL BAG CHECK DAM

NOTE: WEEKLY WEATHER REPORT
TO BE SUBMITTED TO NOAA.GOV

LEGEND OF SYMBOLS

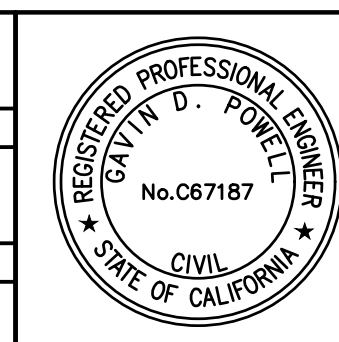
- GRAVEL BAGS
- CONSTRUCTION ENTRANCE
- FIBER ROLL
- SAMPLING LOCATION



Know what's below.
Call 811 before you dig.

CONSTRUCTION RECORD	DATE	BY	REVISIONS	DATE	ACC'D	BENCHMARK
CONTRACTOR						3 1/4" ALUM. DISK STAMPED "RIVERSIDE COUNTY BENCHMARK 600-10-68 RESET 1987" LOCATED 2.0 MILES NORTHWEST ON FRONT STREET FROM MAIN STREET IN TEMECULA, 1.4 MILES NORTHWEST ON JEFFERSON STREET, 38' NORTHEASTERLY OF CENTERLINE OF DATE STREET.
INSPECTOR						ELEVATION=1039.286'
DATE COMPLETED						NAVD 29

SCALE
HORIZONTAL
AS SHOWN
VERTICAL
N/A



DAVID EVANS
AND ASSOCIATES INC.
41951 Remington Avenue Suite 220
Temecula California 92590-2553
Phone: 951.294.9300

PREPARED BY:
GAVIN D. POWELL
R.C.E.No. 67187

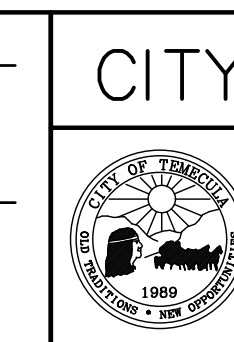
RECOMMENDED BY:
AMER ATTAR
PRINCIPAL ENGINEER

ACCEPTED BY:
PATRICK A. THOMAS
DIRECTOR OF PUBLIC WORKS

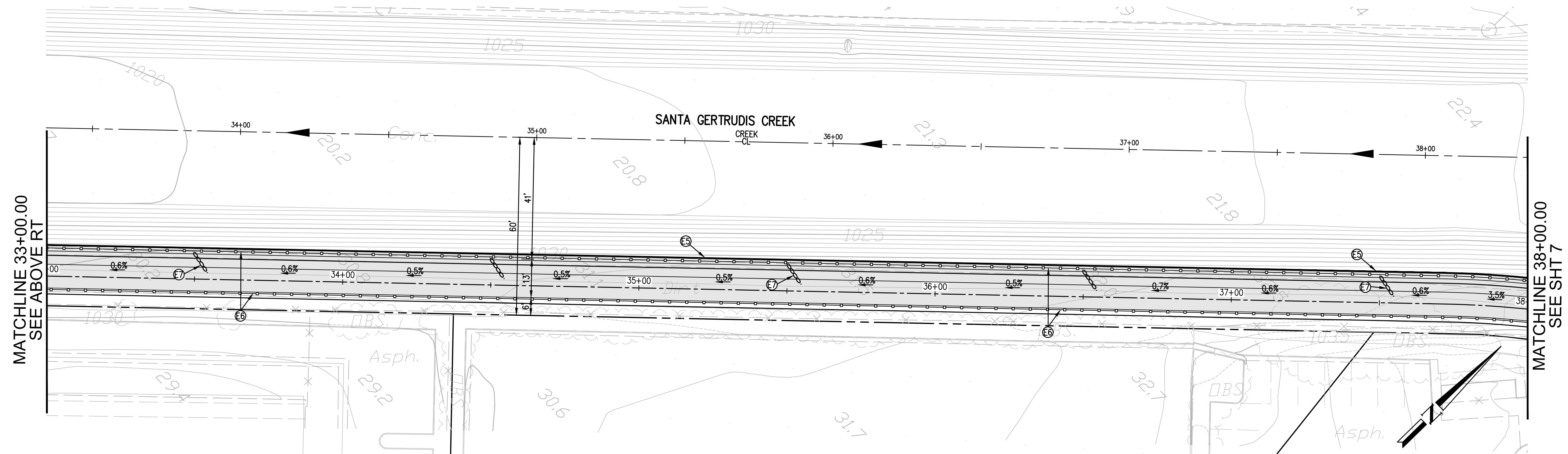
R.C.E. No. 44223

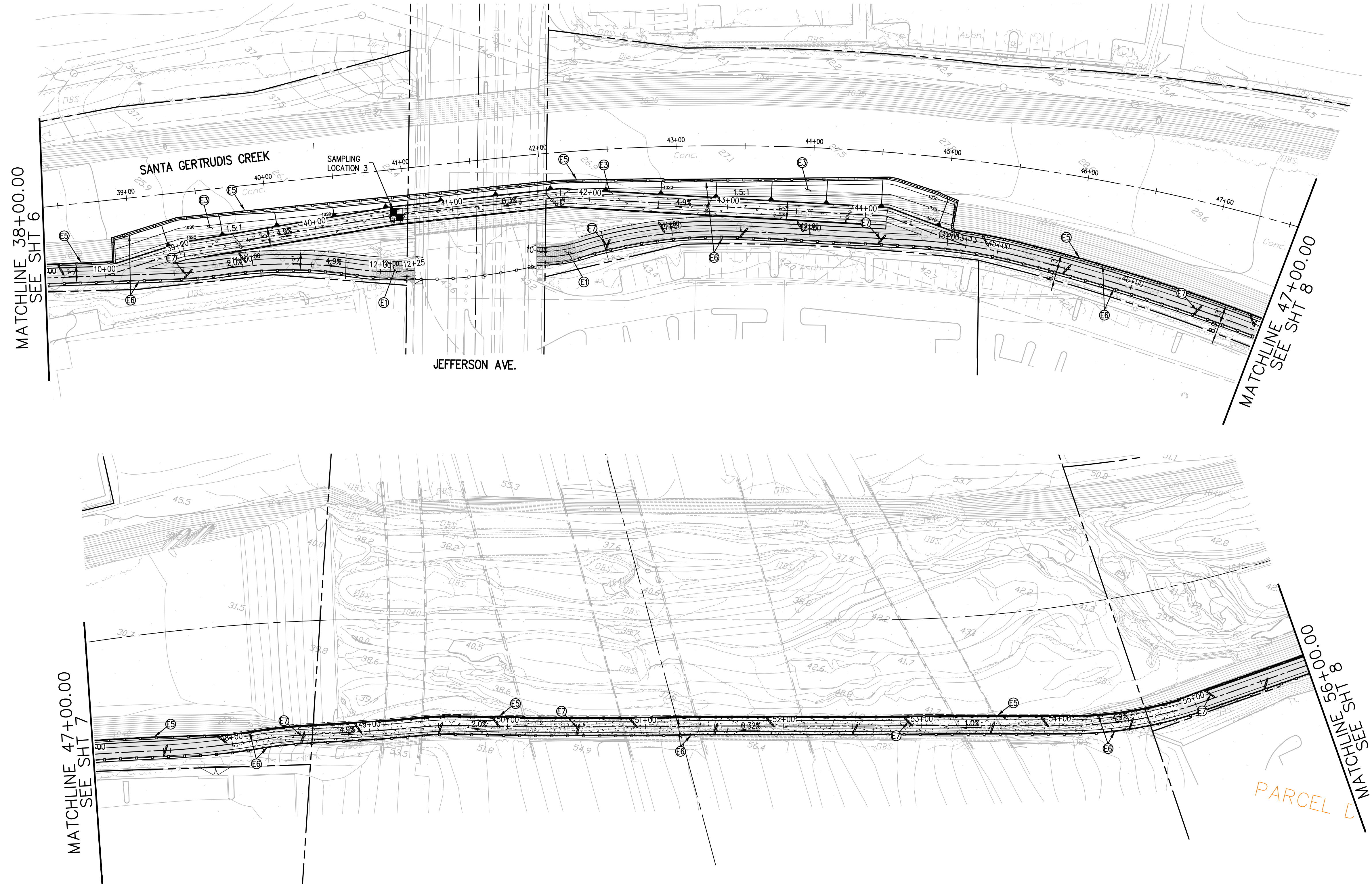
CITY OF TEMECULA DEPARTMENT OF PUBLIC WORKS

SANTA GERTRUDIS CREEK
PEDESTRIAN/BICYCLE TRAIL EXTENSION AND INTERCONNECT
PW08-04
EROSION CONTROL



Drawing No.
02
SHT. 2 OF 5





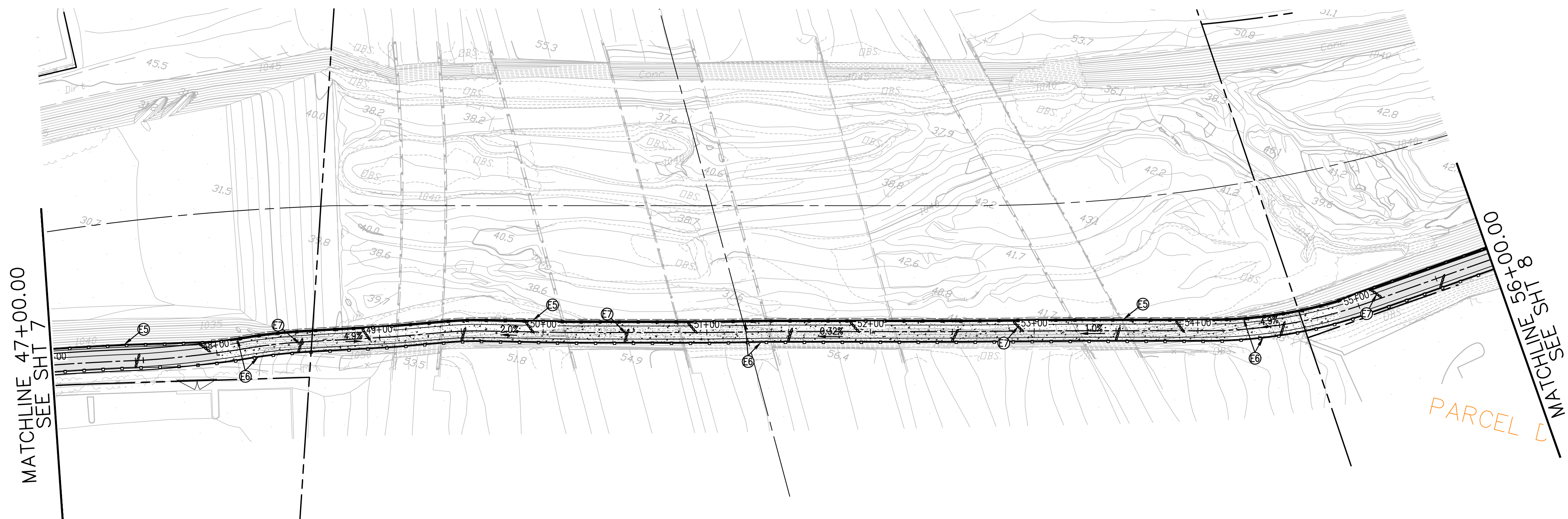
EROSION CONTROL CONSTRUCTION NOTES

- ①-INSTALL STABILIZED CONSTRUCTION ENTRANCE PER CASQA BMP TC-1, (SEE DETAIL HEREON)
- ②-CONSTRUCT CONCRETE WASH-OUT AREA PER CASQA BMP WM-8.
- ③-COVER SLOPES WITH EC BLANKETS
- ④-INSTALL GRAVEL BAG BERM PER CASQA BMP SE-6, (SEE DETAIL HEREON)
- ⑤-INSTALL FIBER ROLL PER DETAIL HEREON
- ⑥-INSTALL SILT FENCE PER DETAIL HEREON
- ⑦-INSTALL GRAVEL BAG CHECK DAM

NOTE: WEEKLY WEATHER REPORT
TO BE SUBMITTED TO NOAA.GOV

LEGEND OF SYMBOLS

- GRAVEL BAGS
- CONSTRUCTION ENTRANCE
- FIBER ROLL
- SAMPLING LOCATION



CONSTRUCTION RECORD	DATE	BY	REVISIONS	DATE	ACC'D	BENCHMARK	SCALE
CONTRACTOR _____						3 1/4" ALUM. DISK STAMPED "RIVERSIDE COUNTY BENCHMARK 600-10-68 RESET 1987" LOCATED 2.0 MILES NORTHWEST ON FRONT STREET FROM MAIN STREET IN TEMECULA, 1.4 MILES NORTHWEST ON JEFFERSON STREET, 38' NORTHEASTERLY OF CENTERLINE OF JEFFERSON, 65' SOUTHEASTERLY OF CENTERLINE OF DATE STREET. ELEVATION=1039.286' NAVD 29	HORIZONTAL
INSPECTOR _____							AS SHOWN
DATE COMPLETED _____							VERTICAL
							N/A

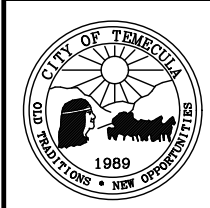


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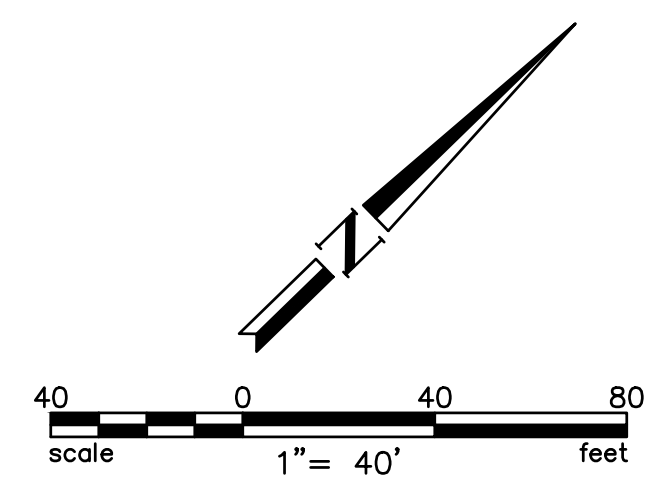
DATE:

RECOMMENDED BY: AMER ATTAR
PRINCIPAL ENGINEER
DATE: _____
ACCEPTED BY: PATRICK A. THOMAS
DIRECTOR OF PUBLIC WORKS
DATE: _____
R.C.E. No. 44223



CITY OF TEMECULA DEPARTMENT OF PUBLIC WORKS
SANTA GERTRUDIS CREEK
PEDESTRIAN/BICYCLE TRAIL EXTENSION AND INTERCONNECT
PW08-04
EROSION CONTROL

Drawing No.
04
SHT. 4 OF 5



Drawing Name: I:\090005\090005-000\090005-000\090005-000\090005-000.dwg
Last Opened: Jun 24, 2019 - 8:25am by rjw

EROSION CONTROL CONSTRUCTION NOTES

- (E1)-INSTALL STABILIZED CONSTRUCTION ENTRANCE PER CASQA BMP TC-1, (SEE DETAIL HEREON)
(E2)-CONSTRUCT CONCRETE WASH-OUT AREA PER CASQA BMP WM-8.
(E3)-COVER SLOPES WITH EC BLANKETS
(E4)-INSTALL GRAVEL BAG BERM PER CASQA BMP SE-6, (SEE DETAIL HEREON)
(E5)-INSTALL FIBER ROLL PER DETAIL HEREON
(E6)-INSTALL SILT FENCE PER DETAIL HEREON
(E7)-INSTALL GRAVEL BAG CHECK DAM

NOTE: WEEKLY WEATHER REPORT
TO BE SUBMITTED TO NOAA.GOV

LEGEND OF SYMBOLS

- GRAVEL BAGS 
CONSTRUCTION ENTRANCE 
FIBER ROLL 
SAMPLING LOCATION 

