

GRADING NOTE:

1. ALL GRADING SHALL CONFORM TO THE CITY OF BEAUMONT ORDINANCES, CURRENT ADOPTED CALIFORNIA BUILDING CODE, APPENDIX J, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, "LATEST EDITION" AND RECOMMENDATIONS OF THE SOILS ENGINEER.
2. NO WORK SHALL COMMENCE UNTIL ALL PERMITS HAVE BEEN OBTAINED FROM THE CITY AND OTHER APPROPRIATE AGENCIES.
3. ALL PROPERTY CORNERS SHALL BE CLEARLY DELINEATED IN THE FIELD PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION /GRADING.
4. DURING ROUGH GRADING OPERATIONS AND PRIOR TO CONSTRUCTION OF PERMANENT DRAINAGE STRUCTURES, TEMPORARY DRAINAGE AND EROSION CONTROL SHOULD BE PROVIDED TO PREVENT PONDING WATER, SEDIMENT TRANSPORTATION, AND DAMAGE TO ADJACENT PROPERTIES.
5. DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS.
6. NO FILL SHALL BE PLACED ON EXISTING GROUND THAT HAS NOT BEEN CLEARED OF WEEDS, DEBRIS, TOPSOIL AND OTHER DELETERIOUS MATERIAL.
7. MAXIMUM CUT AND FILL SLOPE = 2: 1 EXCEPT WHERE SPECIFICALLY APPROVED OTHERWISE.
8. STABILITY CALCULATIONS WITH A FACTOR OF SAFETY OF AT LEAST ONE AND FIVE TENTHS (1.5) SHALL BE SUBMITTED BY A SOILS ENGINEER TO THE PUBLIC WORKS DEPARTMENT.
9. PROVIDE A 5' WIDE BY 1' HIGH BERM OR EQUIVALENT ALONG THE TOP OF ALL FILL SLOPES OVER 5' HIGH.
10. PROVIDE A BROW DITCH DESIGNED TO HANDLE 100 YR STORM FLOWS ALONG THE TOP OF CUT SLOPES.
11. MINIMUM BUILDING PAD AND DRAINAGE SWALE SLOPE SHALL BE 1% IF CUT OR FILL IS LESS THAN 10'. 2% IF CUT OR FILL IS GREATER THAN 10'. DRAINAGE SWALES SHALL BE A MINIMUM OF 0.2' DEEP AND BE CONSTRUCTED A MINIMUM OF 2' FROM THE TOE OF CUT OR FILL SLOPES.
12. NO OBSTRUCTION OF FLOODPLAIN OR NATURAL WATER COURSES SHALL BE PERMITTED.
13. ALL EXISTING DRAINAGE COURSES ON THE PROJECT SITE SHALL CONTINUE TO FUNCTION, ESPECIALLY DURING STORM CONDITIONS, PROTECTIVE MEASURES AND TEMPORARY DRAINAGE PROVISIONS MUST BE USED TO PROTECT ADJOINING PROPERTIES DURING GRADING OPERATIONS.
14. FINISH GRADE SHALL BE SLOPED AWAY FROM ALL EXTERIOR WALLS AT NOT LESS THAN 5% FOR A MINIMUM OF 10'.
15. CUT AND FILL SLOPES EQUAL TO OR GREATER THAN 3' IN VERTICAL HEIGHT SHALL BE PLANTED WITH GRASS OR GROUND COVER TO PROTECT THE SLOPE FROM EROSION AND INSTABILITY IN ACCORDANCE WITH CITY OF BEAUMONT REQUIREMENTS PRIOR TO FINAL GRADING INSPECTION
16. ALL SLOPES REQUIRED TO BE PLANTED SHALL BE PLANTED WITH APPROVED GROUND COVER AT 12" ON CENTER. SLOPES EXCEEDING 15' IN VERTICAL HEIGHT SHALL BE PLANTED WITH APPROVED TREES SPACED NOT TO EXCEED 20' ON CENTER OR SHRUBS NOT TO EXCEED 10' OR A COMBINATION OF SHRUBS AND TREES NOT TO EXCEED 15' IN ADDITION TO A GRASS MIX GROUND COVER. SLOPES EQUAL TO OR GREATER THAN 4' IN VERTICAL HEIGHT SHALL BE PROVIDED WITH AN IN-GROUND IRRIGATION SYSTEM COMPLETE WITH AN APPROPRIATE BACKFLOW PREVENTION DEVICE PER CITY REQUIREMENTS.
17. IF STEEP SLOPING TERRAIN OCCURS UPON WHICH FILL IS TO BE PLACED, IT MUST BE CLEARED, KEYED, AND BENCHED INTO FIRM NATURAL SOIL FOR FULL SUPPORT. PREPARATION SHALL BE APPROVED BY A SUITABLY QUALIFIED AND REGISTERED GEOTECHNICAL ENGINEER OR GEOLOGIST PRIOR TO PLACEMENT OF FILL MATERIAL.
18. ALL GRADING SHALL BE CONTINUOUSLY OBSERVED BY A COMPETENT SOILS ENGINEER WHO SHALL VERIFY THAT ALL FILL HAS BEEN PROPERLY PLACED AND WHO SHALL SUBMIT A FINAL COMPACTION REPORT FOR ALL FILLS OVER 1' DEEP.
19. A FINAL GEOTECHNICAL REPORT OF THE ROUGH GRADING, STATING SUBSTANTIAL CONFORMANCE WITH THE APPROVED GRADING PLAN, SHALL BE SUBMITTED TO THE BUILDING AND SAFETY DEPARTMENT AND THE PUBLIC WORKS DEPARTMENT PRIOR TO REQUESTING INSPECTION AND ISSUANCE OF BUILDING PERMITS. CERTIFICATIONS SHALL INCLUDE LINE GRADES, ELEVATIONS, AND LOCATION OF CUT/FILL SLOPES.
20. A LAND SURVEYOR OR ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING SHALL SUBMIT A PAD CERTIFICATION FOR ALL PADS. THE ELEVATION WITH RESPECT TO MEAN SEA LEVEL SHALL BE GIVEN. IF AN ELEVATION WITH RESPECT TO ADJACENT GROUND SURFACE IS REQUIRED, THE ACTUAL DISTANCE ABOVE THE ADJACENT GROUND SHALL BE GIVEN.
21. A GEOTECHNICAL ENGINEER OR GEOLOGIST SHALL SUBMIT TO THE BUILDING AND SAFETY DEPARTMENT AND THE PUBLIC WORKS DEPARTMENT A FINAL GEOTECHNICAL REPORT OF COMPLETION OF FINAL GRADING STATING SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS FOR ALL GRADING DESIGNATED AS "ENGINEERED GRADING".
23. THE CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS DEPARTMENT AT LEAST 24 HOURS IN ADVANCE REQUESTING FINISH LOT GRADE AND DRAINAGE INSPECTION. THIS INSPECTION MUST BE APPROVED PRIOR TO BUILDING PERMIT FINAL INSPECTION FOR EACH LOT.
24. ALL STORM DRAINS, CATCH BASINS, AND STORM WATER RUNOFF STRUCTURES WILL BE PROVIDED WITH ADEQUATE CAPABILITIES TO FILTER AND RETAIN SEDIMENT, GRIT, OIL, AND GREASE TO PREVENT POLLUTION IN STORM WATER RUNOFF IN COMPLIANCE WITH THE CITY OF BEAUMONT'S BEST MANAGEMENT PRACTICES AND BEAUMONT'S DRAINAGE MASTER PLAN FOR STORMWATER AS WELL AS BEST MANAGEMENT PRACTICES IDENTIFIED IN THE CURRENT REPORT OF WASTE DISCHARGE FOR RIVERSIDE COUNTY PERMITEES.
25. CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT TWO DAYS BEFORE DIGGING AT 8-1-1 AND THE FOLLOWING UTILITY OR AGENCIES A MINIMUM OF TWO WORKING DAYS PRIOR TO COMMENCING ANY CONSTRUCTION OR GRADING:

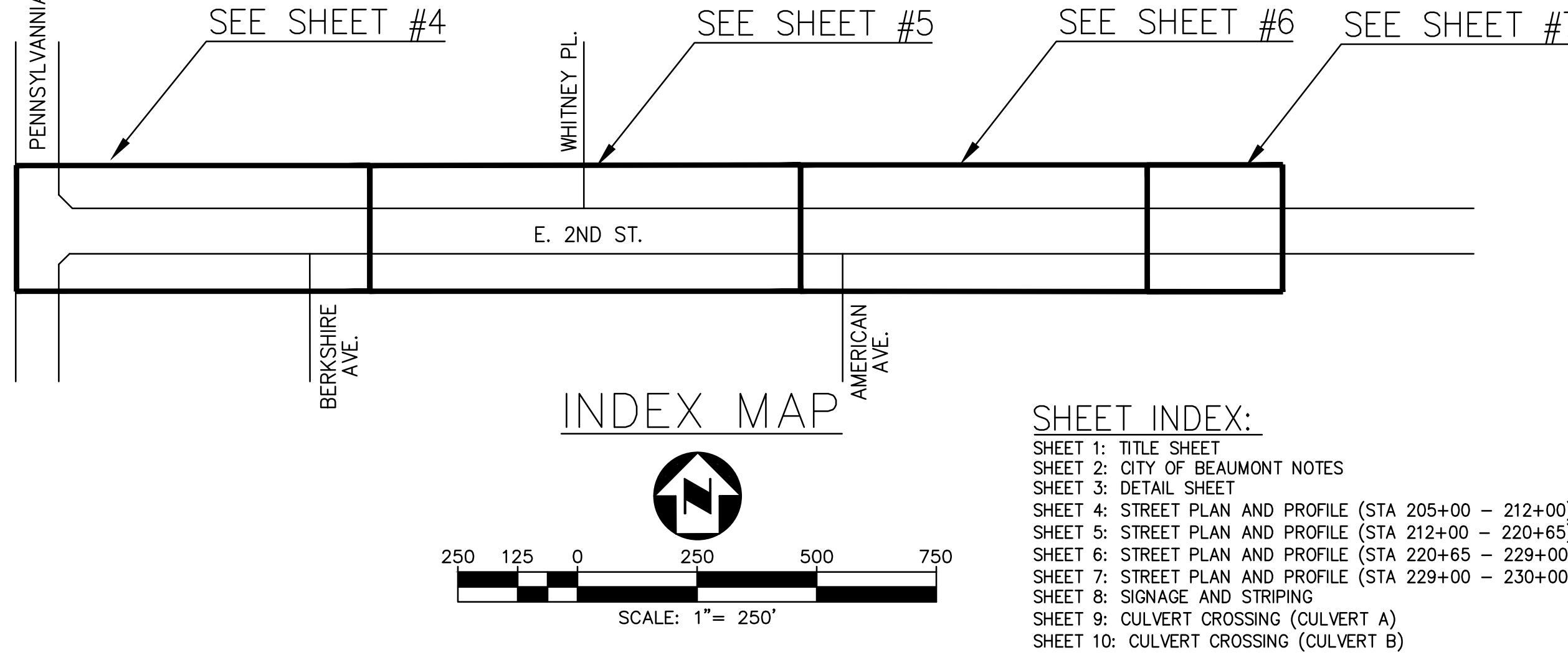
CITY OF BEAUMONT.....(951) 769-8520
 AT&T.....(808) 892-0123
 SOUTHERN CALIFORNIA GAS COMPANY.....(909) 335-7955
 BEAUMONT CHERRY VALLEY WATER DISTRICT.....(951) 845-9581
 SOUTHERN CALIFORNIA EDISON.....(800) 409-2365
 UNDERGROUND SERVICE ALERT.....(800) 422-4133

26. TRENCHING FOR UTILITIES AND STRUCTURES IS NOT ALLOWED UNTIL A SOIL COMPACTION REPORT IS SUBMITTED TO AND APPROVED BY THE PUBLIC WORKS DEPARTMENT.
27. THE CONTRACTOR SHALL MAINTAIN ADJACENT STREETS IN A NEAT, SAFE, CLEAN AND SANITARY CONDITION AT ALL TIMES AND TO THE SATISFACTION OF THE CITY'S INSPECTOR. THE ADJACENT STREETS SHALL BE KEPT CLEAN OF SEDIMENT, DEBRIS AND OTHER NUISANCES AT ALL TIMES. THE DEVELOPER SHALL BE RESPONSIBLE FOR ANY CLEAN UP ON ADJACENT STREETS AFFECTED BY THE CONSTRUCTION.
28. ALL OPERATIONS CONDUCTED ON THE SITE OR ADJACENT THERETO SHALL ADHERE TO THE NOISE ORDINANCE SET FORTH BY THE CITY MUNICIPAL CODE. ALL OPERATIONS SHALL BE LIMITED BY THE NOISE ORDINANCE TO THE LIMIT OF DECIBELS SPECIFIED FOR THE AREA AND TIME PERIOD. CONSTRUCTION ACTIVITIES WILL BE LIMITED TO THE PERIOD BETWEEN 7:00 A.M. AND 6:00 P.M. MONDAY THROUGH FRIDAY.
29. ALL OFF-SITE HAUL ROUTES SHALL BE SUBMITTED BY THE CONTRACTOR TO THE CITY ENGINEER FOR APPROVAL TWO FULL WORKING DAYS PRIOR TO BEGINNING OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEBRIS OR DAMAGE OCCURRING ALONG THE HAUL ROUTE OR ADJACENT STREETS AS A RESULT OF THE GRADING OPERATION.

STREET IMPROVEMENT NOTES:

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, GREENBOOK, LATEST EDITION AND THE RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT IMPROVEMENT STANDARDS AND SPECIFICATIONS, "LATEST EDITION," COUNTY ORDINANCE NO. 461 AND SUBSEQUENT AMENDMENTS.
2. CONTRACTOR SHALL COMPLY WITH THE STATE AND LOCAL SAFETY CODES DURING THE PROGRESS OF WORK.
3. CONSTRUCTION PROJECTS THAT DISTURB MORE THAN ONE ACRE MUST OBTAIN A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT. OWNER/DEVELOPERS ARE REQUIRED TO FILE A NOTICE OF INTENT (NOI) WITH THE STATE WATER RESOURCES CONTROL BOARD (SWRCB) AND COMPLY WITH ALL REQUIREMENTS OF THE BEAUMONT DRAINAGE MANAGEMENT PLAN. BEAUMONT IS CO-PERMITTEE WITH R.C.F.C. & W.C.D.
4. CONTRACTOR SHALL MAINTAIN ADJACENT STREETS IN A NEAT, SAFE, CLEAN AND SANITARY CONDITION AT ALL TIMES AND TO THE SATISFACTION OF THE COUNTY'S OR DISTRICT'S INSPECTOR. THE ADJACENT STREETS SHALL BE KEPT CLEAN OF DEBRIS, WITH DUST AND OTHER NUISANCE BEING CONTROLLED AT ALL TIMES. THE DEVELOPER SHALL BE RESPONSIBLE FOR ANY CLEAN UP ON ADJACENT STREETS AFFECTED BY HIS CONSTRUCTION. METHOD OF STREET CLEANING SHALL BE DRY SWEEPING OF ALL PAVED AREAS.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING DURING CONSTRUCTION, REGULATORY GUIDE AND WARNING SIGNS WITHIN THE PROJECT LIMITS AND ITS SURROUNDINGS TO PROVIDE SAFE PASSAGE FOR THE TRAVELING PUBLIC AND WORKERS UNTIL THE FINAL COMPLETION AND ACCEPTANCE OF THE PROJECT BY THE CITY OF BEAUMONT.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEARING OF THE PROPOSED WORK AREA AND RELOCATION COSTS OF ALL EXISTING UTILITIES. THIS INCLUDES UNDERGROUND OF EXISTING OVERHEAD LINES ALONG THE PROJECT FRONTAGE AS REQUIRED BY THE CONDITIONS OF APPROVAL. PERMITTEE MUST INFORM CITY OF CONSTRUCTION SCHEDULE AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION AT (951) 769-8520.
7. CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING THE 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, CITY OF BEAUMONT, AND THE DEVELOPER'S 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 OWNERS OR THE DEVELOPER'S ENGINEER.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AN ENCROACHMENT PERMIT FOR ALL WORK PERFORMED WITHIN PUBLIC RIGHT-OF-WAY, DEDICATED AND ACCEPTED FOR PUBLIC USE; AND TO BE RESPONSIBLE FOR SATISFACTORY COMPLIANCE FOR ALL CURRENT ENVIRONMENTAL REGULATIONS DURING THE LIFE OF CONSTRUCTION ACTIVITIES FOR THIS PROJECT.

CITY OF BEAUMONT, CALIFORNIA IMPROVEMENT PLANS FOR 2ND STREET

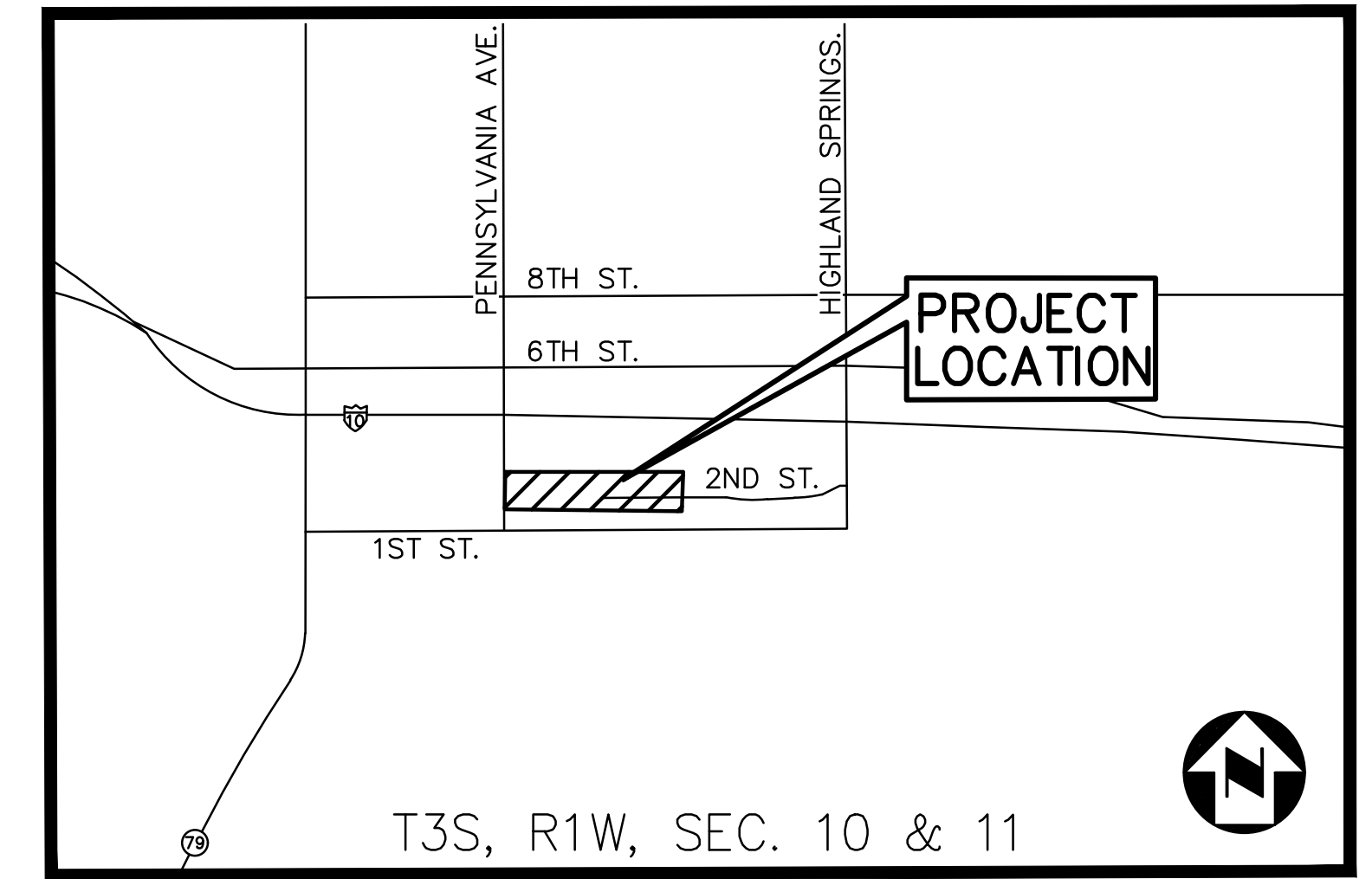


SHEET INDEX:

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- SHEET 2: CITY OF BEAUMONT NOTES
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- SHEET 5: STREET PLAN AND PROFILE (STA 212+00 - 220+65)
- SHEET 6: STREET PLAN AND PROFILE (STA 220+65 - 229+00)
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- SHEET 8: SIGNAGE AND STRIPING
- SHEET 9: CULVERT CROSSING (CULVERT A)
- SHEET 10: CULVERT CROSSING (CULVERT B)

STREET IMPROVEMENT NOTES (CONTINUED):

9. CONTRACTOR MUST NOTIFY THE CITY OF BEAUMONT AT (951) 769-8520 AT LEAST ONE WEEK PRIOR TO CONSTRUCTION.
10. CONTRACTOR MUST PROVIDE CONSTRUCTION SCHEDULE TO THE CITY OF BEAUMONT AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
11. CONTRACTOR MUST CALL UNDERGROUND SERVICE ALERT AT 811 AT LEAST 48 HOURS BEFORE EXCAVATION.
12. CONTRACTOR SHALL BE RESPONSIBLE TO APPLY TO THE RIVERSIDE COUNTY FLOOD CONTROL (RCFC) FOR PERMITS WHEN ANY STORM DRAIN PIPE NEEDS TO BE CONNECTED WITH A RCFC FACILITY AND ADD PERMITTEE NUMBER ON THE PLAN.
13. CONTRACTOR SHALL BE RESPONSIBLE TO APPLY TO THE CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) FOR AN ENCROACHMENT PERMIT FOR ALL WORK PERFORMED WITHIN STATE RIGHT-OF-WAY.
14. CONTRACTOR SHALL BE RESPONSIBLE TO INSTALL AND MAINTAIN ALL CONSTRUCTION, REGULATORY, GUIDE AND WARNING SIGNS WITHIN THE PROJECT LIMITS AND ITS SURROUNDINGS TO PROVIDE SAFE PASSAGE FOR THE TRAVELING PUBLIC AND WORKERS UNTIL THE FINAL COMPLETION AND ACCEPTANCE OF THE PROJECT BY THE CITY. A TRAFFIC CONTROL PLAN MUST BE SUBMITTED WITH APPROVED STREET PLAN FOR REVIEW TO THE PERMITS SECTION OR INSPECTION SECTION (FOR MAP CASES) PRIOR TO OBTAINING AN ENCROACHMENT PERMIT.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ADDITIONAL SIGNS AND MARKINGS NOT INCLUDED IN THE SIGNING AND STRIPING PLAN WITHIN THE PROJECT AREAS, OR ON ROADWAYS ADJACENT TO THE PROJECT BOUNDARIES, UPON THE REQUEST OF THE DIRECTOR OF PUBLIC WORKS OR HIS DESIGNEE TO IMPROVE TRAFFIC SAFETY ON THE ROADS UNDER THE JURISDICTION OF THE DEVELOPER.
16. CONTRACTOR SHALL HAVE GEOTECHNICAL/SOILS ENGINEERING FIRM OBSERVE TRENCHING, BACKFILLING, & SOIL COMPACTION OF ALL UTILITY TRENCHES WITHIN ALL EASEMENTS & ROAD RIGHTS OF WAY. TWO SETS OF COMPACTION REPORTS CERTIFYING THAT WORKS WERE DONE IN CONFORMANCE TO STANDARDS & GEOTECHNICAL REPORT SHALL BE SUBMITTED AFTER EACH UTILITY TRENCH IS COMPLETED & CERTIFIED. COMPACTION REPORT MUST BE SUBMITTED TO THE DEPT. OF PUBLIC WORKS AT LEAST TWO WORKING DAYS BEFORE AGGREGATE BASE MATERIALS ARE PLACED ONSITE.
17. ALL UNDERGROUND FACILITIES, WITH LATERALS, SHALL BE IN PLACE PRIOR TO PAVING THE STREET SECTION INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING: SEWER, WATER, ELECTRIC, GAS AND STORM DRAIN.
18. ALL STREET SECTIONS ARE TENTATIVE. ADDITIONAL SOIL TESTS SHALL BE TAKEN AFTER ROUGH GRADING TO DETERMINE THE EXACT STREET SECTION REQUIREMENTS. USE R.C.T.D. STANDARD NO. 401 IF EXPANSIVE SOILS ARE ENCOUNTERED.
19. ASPHALTIC EMULSION (FOG SEAL) SHALL BE APPLIED NOT LESS THAN FOURTEEN DAYS FOLLOWING PLACEMENT OF THE ASPHALT SURFACING. FOG SEAL AND PAINT BINDER SHALL BE APPLIED AT A RATE OF 0.05 AND 0.03 GALLON PER SQUARE YARD RESPECTIVELY. ASPHALTIC EMULSION SHALL CONFORM TO SECTIONS 37, 39 AND 94 OF THE STATE STANDARD SPECIFICATIONS.
20. PRIME COAT IS REQUIRED PRIOR TO PAVING ALL GRADES IN EXCESS OF TEN PERCENT.
21. ANY PRIVATE DRAINAGE FACILITIES SHOWN ON THESE PLANS ARE FOR INFORMATION ONLY. BY SIGNING THESE IMPROVEMENT PLANS, NO REVIEW OR APPROVAL OF THESE PRIVATE FACILITIES ARE IMPLIED OR INTENDED BY CITY OF BEAUMONT PUBLIC WORKS DEPT.
22. THE CONTRACTOR SHALL INSTALL STREET NAME SIGNS CONFORMING TO R.C.T.D. STANDARD NO. 816.
23. STREET LIGHTS SHALL BE INSTALLED IN ACCORDANCE WITH THE APPROVED STREET LIGHTING PLAN PER CITY OF BEAUMONT'S APPROVED STREET LIGHTING SPECIFICATIONS.
24. INSTALL STREET TREES IN ACCORDANCE WITH ORDINANCE 461 AND THE COMPREHENSIVE LANDSCAPING GUIDELINES (CHOOSE THREE SPECIES AND NAME THEM HERE).
25. FOR ALL DRIVEWAY RECONSTRUCTION BEYOND RIGHT-OF-WAY, PROOF OF DRIVEWAY OWNER NOTIFICATION IS REQUIRED PRIOR TO CONSTRUCTION.
26. CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY THE ENGINEER TO INSTALL STREET CENTERLINE MONUMENTS AS REQUIRED BY RIVERSIDE COUNTY ORDINANCE NO. 461. IF CONSTRUCTION CENTERLINE DIFFERS, PROVIDE A TIE TO EXISTING CENTERLINE OF RIGHT-OF-WAY. PRIOR TO ROAD CONSTRUCTION, SURVEY MONUMENTS INCLUDING CENTERLINE MONUMENTS, TIE POINTS, PROPERTY CORNERS AND BENCH MARKS SHALL BE REFERENCED OUT AND CORNER RECORDS FILED WITH THE COUNTY SURVEYOR PURSUANT TO SECTION 8771 OF THE BUSINESS & PROFESSIONAL CODE. SURVEY POINTS DESTROYED DURING CONSTRUCTION SHALL BE RESET, AND A SECOND CORNER RECORD FILED FOR THOSE POINTS PRIOR TO COMPLETION AND ACCEPTANCE OF THE IMPROVEMENTS.



VICINITY MAP
N.T.S.

EARTHWORK QUANTITIES:

CUT	4611 CU. YD.	FACTOR = 1.0	4611 CU. YD.
FILL	10962 CU. YD.	FACTOR = 1.10	12059 CU. YD.
NET (ADJ.) QTY. OF FILL			7448 CU. YD.

*SUBSIDENCE NEGLIGIBLE PER SLADDEN ENGINEERING GEOTECHNICAL REPORT DATED AUGUST 25TH, 2020.

LEGEND

	PROPOSED AC PAVEMENT		POWER POLE
	AC PAVEMENT GRIND AND CAP		ELECTRICAL VAULT
	PROPOSED CONCRETE SIDEWALK		WATER VALVE
	CENTERLINE		GAS VALVE
	RIGHT OF WAY		SEWER MANHOLE
	PROPERTY LINE		FIREHYDRANT
	(EX) OVERHEAD ELECTRIC EDISON		
	(EX) SEWER MAIN LINE		
	(EX) 2" GAS LINE		
	(EX) WATER LINE		
	EDGE OF DIRT ROAD		

DECLARATION OF RESPONSIBLE CHARGE:

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THESE 100-PERCENT DESIGN LEVEL DRAWINGS, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THESE DESIGN OF THIS PROJECT TO DATE AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF THE PROJECT DRAWINGS AND SPECIFICATIONS BY CITY OF BEAUMONT IS CONFINED TO A REVIEW ONLY, AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR THE PROJECT'S DESIGN.

APPROVED:

BRIAN D. FOX, P.E., P.L.S. R.C.E. NO. 57264
COZAD AND FOX, INC.

BENCHMARK

BENCHMARK: ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). DIFFERENTIAL LEVELS AND STATIC GPS OBSERVATIONS DETERMINED ELEVATIONS. THE NATIONAL GEODETIC SURVEY (NGS) DATASHEET ELEVATION AT THE NGS BENCHMARK WAS USED:

STATION	NGS POINT ID	ELEVATION (FT)
K1311	DX3472	2601.93

DESCRIPTION: 3" BRASS DISK SET VERTICALLY IN THE WEST FACE OF 1-10 OVERCROSSING OF PENNSYLVANIA AVE., 36' EAST OF THE AVENUE CENTERLINE, 1.7' NORTH OF THE SOUTH END OF THE WEST FACE, 3' ABOVE THE GROUND.

BASIS OF BEARING

THE BASIS OF BEARINGS FOR THIS SURVEY IS SHOWN HEREON ARE BASED ON THE BEARING OF SECOND STREET BEING NORTH 89°54'34" WEST PER TRACT 28017-1, M.B. 254/71-72, IN THE CITY OF BEAUMONT, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA.

DATUM STATEMENT

COORDINATES SHOWN ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, NAD83 (NRS2007, EPOCH 2011.00). ALL DISTANCES ARE US SURVEY FOOT GRID DISTANCES, UNLESS OTHERWISE NOTED. TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINED FACTOR 0.999888832.

NOTE: DISTANCES AND STATIONING FROM ROW MAPS FOR 1-10 WERE IN CCS 29 GRID, SAID DATA WAS CONVERTED TO GROUND BY MULTIPLYING BY A CF OF 1.000117736 PER ROW MAP 49309-02 AND THEN CONVERTED TO NAD 83 BY USING THE CF STATED ABOVE.

100% SUBMITTAL (NOT FOR CONSTRUCTION)

<p>Call 2 Working Days Before You Dig! 811</p>	BENCHMARK: ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). DIFFERENTIAL LEVELS AND STATIC GPS OBSERVATIONS DETERMINED ELEVATIONS. THE NATIONAL GEODETIC SURVEY (NGS) DATASHEET ELEVATION AT THE NGS BENCHMARK WAS USED: STATION: K1311 NGS POINT ID: DX3472 ELEVATION (FT): 2601.93			<p>CIVIL / STRUCTURAL ENGINEERS MUNICIPAL CONSULTANTS / PLANNERS SURVEYORS / GPS 151 SOUTH GRAND STREET HEMET, CA 92344 TEL. (951) 862-1464 FAX (951) 766-8942 E-MAIL: BFO@COZADFOX.COM</p>	PRINCIPAL ENGINEER 	DESIGN BY: A.J.R. DRAWN BY: D.D.S. CHECKED BY: B.D.F. SCALE: 1"=40' DATE: 09/2022 JOB NUMBER: 2001800.00	<p>550 E. 6TH ST., BEAUMONT, CA 92223</p>	REVIEWED BY: _____ DATE: _____ RECOMMENDED BY: _____ DATE: _____ APPROVED BY: _____ DATE: _____	CITY OF BEAUMONT, CALIFORNIA IMPROVEMENT PLANS FOR: 2ND STREET TITLE SHEET	S H E E T 1 OF 10 SHEETS FILE NO:
	BY: MARK ENGINEER	DESCRIPTION: 3" BRASS DISK SET VERTICALLY IN THE WEST FACE OF 1-10 OVERCROSSING OF PENNSYLVANIA AVE., 36' EAST OF THE AVENUE CENTERLINE, 1.7' NORTH OF THE SOUTH END OF THE WEST FACE, 3' ABOVE THE GROUND.	APPR. DATE: _____		PREPARED UNDER THE SUPERVISION OF: BRIAN D. FOX, P.E.; RCE NO. 57264 DATE: _____					
	REVISIONS									

STORM DRAIN NOTES:





- CONTRACTOR SHALL CONSTRUCT THE DRAINAGE IMPROVEMENT SHOWN ON THE DRAWINGS IN CONFORMANCE WITH THE REQUIREMENTS OF THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT DESIGN MANUAL STANDARD DRAWINGS, RECENT EDITION, THE SSPWC 'LATEST EDITION', AND IN CONFORMANCE WITH THE REQUIREMENTS OF THE BEAUMONT DRAINAGE MANAGEMENT PLAN.
- CONTRACTOR SHALL COMPLY WITH THE STATE AND LOCAL SAFETY CODES DURING THE PROGRESS OF WORK.
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- CONTRACTOR SHALL BE THE RESPONSIBILITY TO INSTALL AND MAINTAIN DURING CONSTRUCTION, REGULATORY GUIDE AND WARNING SIGNS WITHIN THE PROJECT LIMITS AND ITS SURROUNDINGS TO PROVIDE SAFE PASSAGE FOR THE TRAVELING PUBLIC AND WORKERS UNTIL THE FINAL COMPLETION AND ACCEPTANCE OF THE PROJECT BY THE CITY OF BEAUMONT.
- CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE 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, CITY OF BEAUMONT, AND THE DEVELOPER'S 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 OWNERS OR THE DEVELOPER'S ENGINEER.
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- CONTRACTOR MUST CALL UNDERGROUND SERVICE ALERT AT 811 AT LEAST 48 HOURS BEFORE EXCAVATION.
- CONTRACTOR IS REQUIRED TO CONTACT ALL UTILITY AGENCIES REGARDING TEMPORARY SUPPORT AND SHORING REQUIREMENTS FOR THE VARIOUS UTILITIES SHOWN IN THE PLANS.
- THE CONTRACTOR SHALL VERIFY, BY POT HOLING, THE LOCATION OF POTENTIALLY AFFECTED UTILITIES.
- CONTRACTOR SHALL HAVE GEOTECHNICAL/SOILS ENGINEERING FIRM OBSERVE TRENCHING, BACKFILLING, & SOIL COMPACTION OF ALL UTILITY TRENCHES WITHIN ALL EASEMENTS & ROAD RIGHTS OF WAY. TWO SETS OF COMPACTION REPORTS CERTIFYING THAT WORKS WERE DONE IN CONFORMANCE TO STANDARDS & GEOTECHNICAL REPORT SHALL BE SUBMITTED AFTER EACH UTILITY TRENCH IS COMPLETED & CERTIFIED. COMPACTION REPORT MUST BE SUBMITTED TO THE DEPT. OF PUBLIC WORKS AT LEAST TWO WORKING DAYS BEFORE AGGREGATE BASE MATERIALS ARE PLACED ONSITE.
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- ELEVATIONS AND LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE UNLESS OTHERWISE NOTED. ALL UTILITIES SHOWN ARE TO BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.
- ALL ELEVATIONS SHOWN ARE TO THE INVERTS OF PIPE, EXCEPT WHERE OTHERWISE NOTED.
- STORM DRAIN PROFILES CONTAIN CALL-OUTS AND REFERENCE TO INTERSECTING STORM DRAIN LINES. INTERSECTIONS OF THESE JUNCTIONS ARE PROVIDED FOR REFERENCE ONLY. CONTRACTOR IS TO OBTAIN INVERT ELEVATIONS FROM THE RESPECTIVE PROFILE OF THE INTERSECTING PIPE.
- ALL STATIONING REFERS TO THE CENTERLINE OF CONSTRUCTION UNLESS OTHERWISE NOTED.
- STATIONING FOR LATERALS AND CONNECTOR PIPE REFER TO THE CENTERLINE--CENTERLINE--INTERSECTION STATION.
- ALL PIPE LENGTHS ARE HORIZONTAL PROJECTIONS (NOT TRUE LENGTHS OF PIPE) AND ARE THE BASIS OF THE ESTIMATES OF QUANTITIES. THE CONTRACTOR SHALL DETERMINE THE TRUE QUANTITY OF PIPE REQUIRED FOR THIS PROJECT PRIOR TO PLACING THE ORDER.
- ALL CROSS SECTIONS ARE TAKEN LOOKING UPSTREAM.
- OPENINGS RESULTING FROM THE CUTTING OR PARTIAL REMOVAL OF EXISTING CULVERTS, PIPES OR SIMILAR STRUCTURES TO BE ABANDONED SHALL BE SEALED WITH 6 INCHES OF CLASS "B" CONCRETE.
- PIPE CONNECTED TO THE MAINLINE PIPE SHALL CONFORM TO JUNCTION STRUCTURE NO. 4 (JS 229) UNLESS OTHERWISE NOTED.
- PIPE BEDDING SHALL CONFORM TO R.C.F.C. & W.C.D. STD. DWG. M 815
- "V" IS THE DEPTH OF INLET AT THE CATCH BASINS MEASURED FROM THE TOP OF THE CURB TO THE INVERT OF CONNECTOR PIPE.
- HYDRAULIC GRADE LINES SHOWN IN PROFILES ARE FOR 100 YEAR FREQUENCY FLOWS, UNLESS OTHERWISE NOTED.
- ALL BACKFILL AND BEDDING AROUND STRUCTURES AND PIPES SHALL BE COMPACTED TO NOT LESS THAN 90 PERCENT RELATIVE COMPACTION EXCEPT WHERE SUCH MATERIAL IS PLACED UNDER EXISTING PAVED ROADWAYS. THE TOP 3 FEET, MEASURED FROM THE FINISH PAVING, SHALL BE COMPACTED TO 95 PERCENT RELATIVE COMPACTION.
- CONTRACTOR SHALL DISPOSE OF ALL EXCESS EXCAVATED MATERIAL AT MANDATORY DISPOSAL SITE.
- ALL CURBS, GUTTERS, SIDEWALKS, DRIVEWAYS, AND OTHER EXISTING IMPROVEMENTS TO BE RECONSTRUCTED IN KIND PER LATEST COUNTY STANDARD AND AT THE SAME ELEVATION AND LOCATION AS THE EXISTING IMPROVEMENTS UNLESS OTHERWISE NOTED. FOR PAVEMENT OVERLAY, 0.10' MIN. FOR FULL LANE WIDTH IS REQUIRED.
- ALL UNDERGROUND FACILITIES WITH LATERALS SHALL BE IN PLACE PRIOR TO PAVING THE STREET, INCLUDING BUT NOT LIMITED TO, THE FOLLOWING: SEWER, WATER, ELECTRIC, STORM DRAINS.
- ALL SURVEY MONUMENTS SHALL BE REPLACED AS REQUIRED. MONUMENTS SHALL BE TIED OUT PRIOR TO CONSTRUCTION AND REPLACED UPON COMPLETION OF CONSTRUCTION.

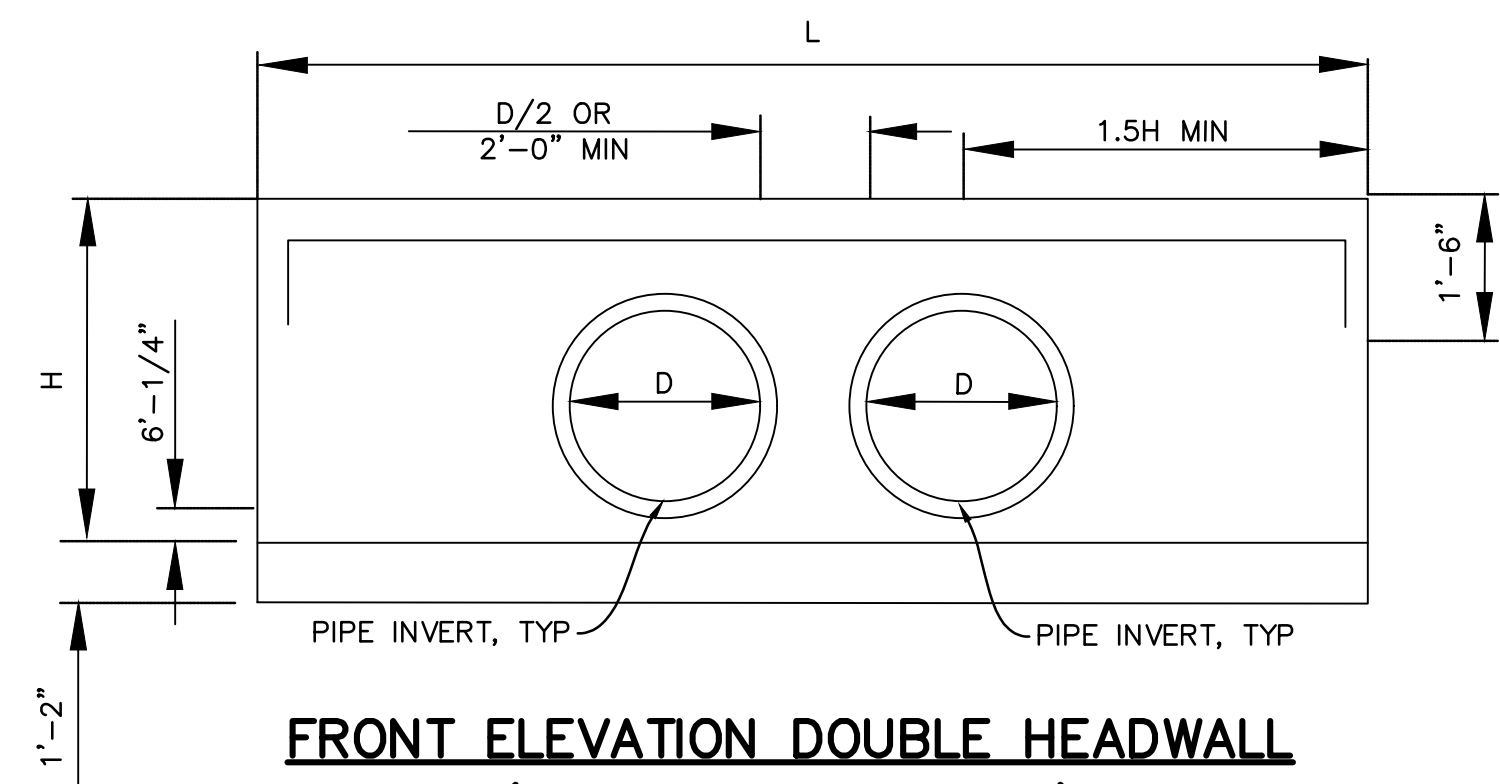
ABBREVIATIONS

AC	ASPHALT CONCRETE	PP	POWER POLE
BEG	BEGIN	PVMT	PAVEMENT
BC	BEGIN CURVE	PRWY	PARKWAY
BCR	BEGIN CURB RETURN	PVI	POINT OF VERTICAL INTERSECTION
BF	BACK FLOW	PRC	POINT OF REVERSE COURSE
BFP	BACK FLOW PREVENTER	PROP	PROPOSED
BVCE	BEGIN VERTICAL CURVE ELEVATION	PT	POINT
BVCS	BEGIN VERTICAL CURVE STATION	R/W	RIGHT OF WAY
CB	CATCH BASIN	RCB	REINFORCED CONCRETE BOX
CL/℄	CENTERLINE	RCFC	RIVERSIDE COUNTY FLOOD CONTROL
CLF	CHAIN LINK FENCE	RCP	REINFORCED CONCRETE PIPE
COB	CITY OF BEAUMONT	RT	RIGHT
CONC	CONCRETE	SC	SAWCUT
COR	COUNTY OF RIVERSIDE	SD	STORM DRAIN
C&G	CURB & GUTTER	SDMH	STORM DRAIN MANHOLE
DI	DRAINAGE INLET	S'LY	SOUTHERLY
DWY	DRIVEWAY	S/O	SOUTH OF
E/ELEC	ELECTRICAL	SHLD	SHOULDER
E'LY	EASTERLY	SIC	SIGNAL INTERCONNECT
E/O	EAST OF	SL	STREET LIGHT
ECR	END CURB RETURN	SMH	SEWER MANHOLE
EC	END CURVE	SOCAL	SOUTHERN CALIFORNIA GAS COMPANY
EG	EXISTING GRADE	SPPWC	STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION
EMH	ELECTRICAL MANHOLE	SS	SANITARY SEWER
EP	EDGE OF PAVEMENT	ST	STREET
ES	EDGE OF SHOULDER	STA	STATION
ETW	EDGE OF TRAVELED WAY	SW	SIDEWALK
EVCE	END VERTICAL CURVE ELEVATION	STR	STRUCTURE
EVCS	END VERTICAL CURVE STATION	TC	TOP OF CURB
EX	EXISTING	TELE	TELECOMMUNICATIONS
FG	FINISH GRADE	TRANS	TRANSITION
FH	FIRE HYDRATE	TW	TOP OF WALL
HW	HEADWALL	TYP	TYPICAL
IR	IRRIGATION	UE	UNDERGROUND ELECTRICAL
LAT	LATERAL	UPRR	UNION PACIFIC RAILROAD
LIP	LIP OF GUTTER	UTL	UTILITY
LT	LEFT	VC	VERTICAL CURVE
MH	MANHOLE	VCP	VERIFIED CLAY PIPE
N'LY	NORTHERLY	W	WATER
N/O	NORTH OF	W'LY	WESTERLY
PCC	PORTLAND CEMENT CONCRETE	W/O	WEST OF
PENN	PENNSYLVANIA	WM	WATER METER
PG	PROPOSED GRADE	WCD	WATER CONSERVATION DISTRICT
		WV	WATER VALVE

100% SUBMITTAL (NOT FOR CONSTRUCTION)

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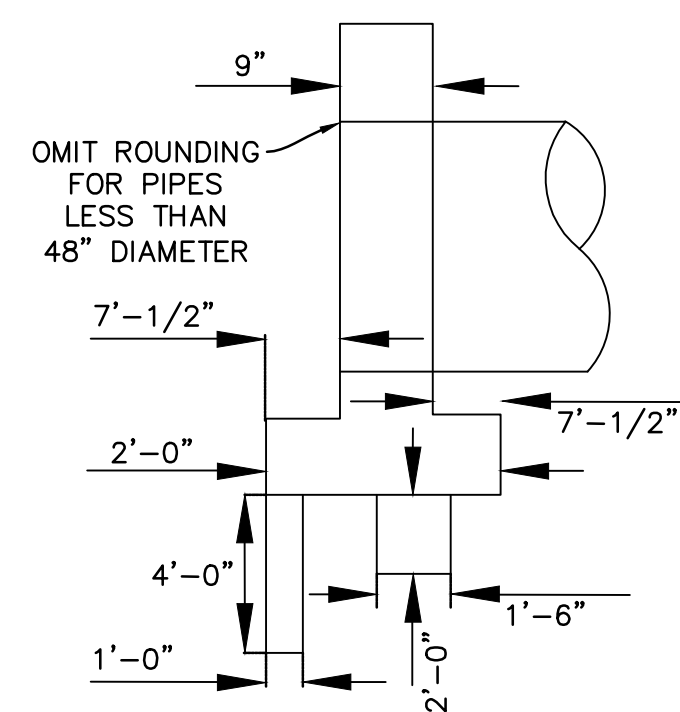
 <p>Call 2 Working Days Before You Dig! 811</p>	<p>BENCHMARK: ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). DIFFERENTIAL LEVELS AND STATIC GPS OBSERVATIONS DETERMINED ELEVATIONS. THE NATIONAL GEODETIC SURVEY (NGS) DATASHEET ELEVATION AT THE NGS BENCHMARK WAS USED:</p> <table border="1"> <tr> <th>STATION</th> <th>NGS POINT ID</th> <th>ELEVATION (FT)</th> </tr> <tr> <td>K1311</td> <td>DX3472</td> <td>2601.93</td> </tr> </table> <p>DESCRIPTION: 3" BRASS DISK SET VERTICALLY IN THE WEST FACE OF 1-10 OVERCROSSING OF PENNSYLVANIA AVE., 36' EAST OF THE AVENUE CENTERLINE, 1.7' NORTH OF THE SOUTH END OF THE WEST FACE, 3' ABOVE THE GROUND.</p>	STATION	NGS POINT ID	ELEVATION (FT)	K1311	DX3472	2601.93	 <p>CIVIL / STRUCTURAL ENGINEERS MUNICIPAL CONSULTANTS / PLANNERS SURVEYORS / GPS 151 SOUTH GRAND STREET HENET, CA 92544 TEL: (951) 952-1454 FAX: (951) 756-8942 E-MAIL: BFO@COZADFOX.COM</p>	<p>PRINCIPAL ENGINEER</p>  <p>BRIAN D. FOX REGISTERED PROFESSIONAL ENGINEER CIVIL STATE OF CALIFORNIA</p>	<p>DESIGN BY: A.J.R. DRAWN BY: D.D.S. CHECKED BY: B.D.F. SCALE: 1"=40' DATE: 09/2022 JOB NUMBER: 2001800.00</p>	 <p>BEAUMONT CALIFORNIA PUBLIC WORKS DEPARTMENT 550 E. 6TH ST., BEAUMONT, CA 92223</p>	<p>REVIEWED BY: _____ DATE: _____ STAFF ENGINEER</p> <p>RECOMMENDED BY: _____ DATE: _____ PRINCIPAL ENGINEER</p> <p>APPROVED BY: _____ DATE: _____ CITY ENGINEER</p>	<p>CITY OF BEAUMONT, CALIFORNIA IMPROVEMENT PLANS FOR: 2ND STREET CITY OF BEAUMONT NOTES</p>	<p>S H E E T 2 OF 10 SHEETS FILE NO:</p>			
	STATION	NGS POINT ID	ELEVATION (FT)														
K1311	DX3472	2601.93															
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FRONT ELEVATION DOUBLE HEADWALL
(CALTRANS RSP D89)
N.T.S.

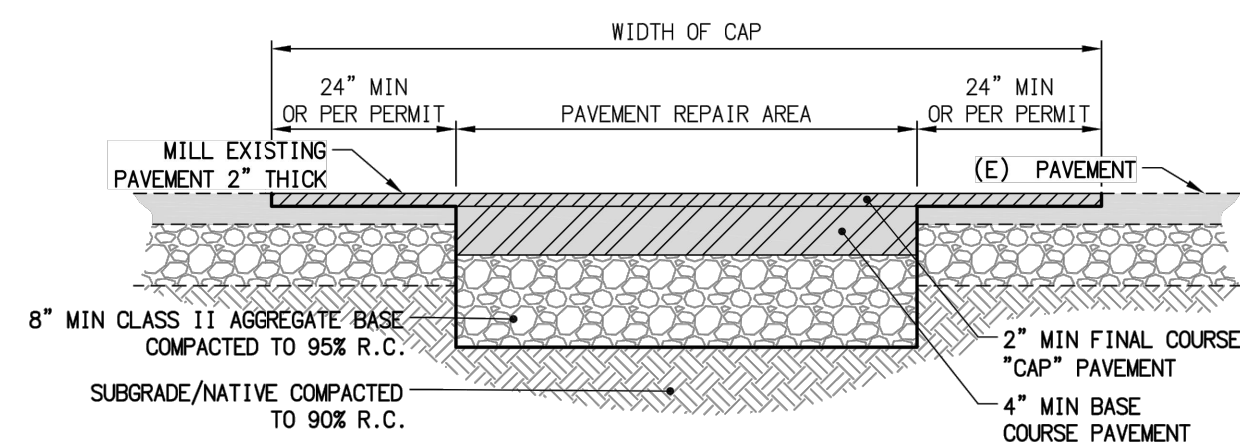
HEADWALL DIMENSION FOR CULVERT A, B, & C:		
DIMENSION	UNIT	AMOUNT
D	FT-IN	3'-0"
H	FT-IN	AS SHOWN
L	FT-IN	17'-0"

HEADWALL INVERT ELEVATIONS:		
CULVERT No.	ELEVATION (FT)	CULVERT FACING
A	2570.00	NORTH
A	2572.00	SOUTH
B	2565.00	NORTH
B	2567.00	SOUTH

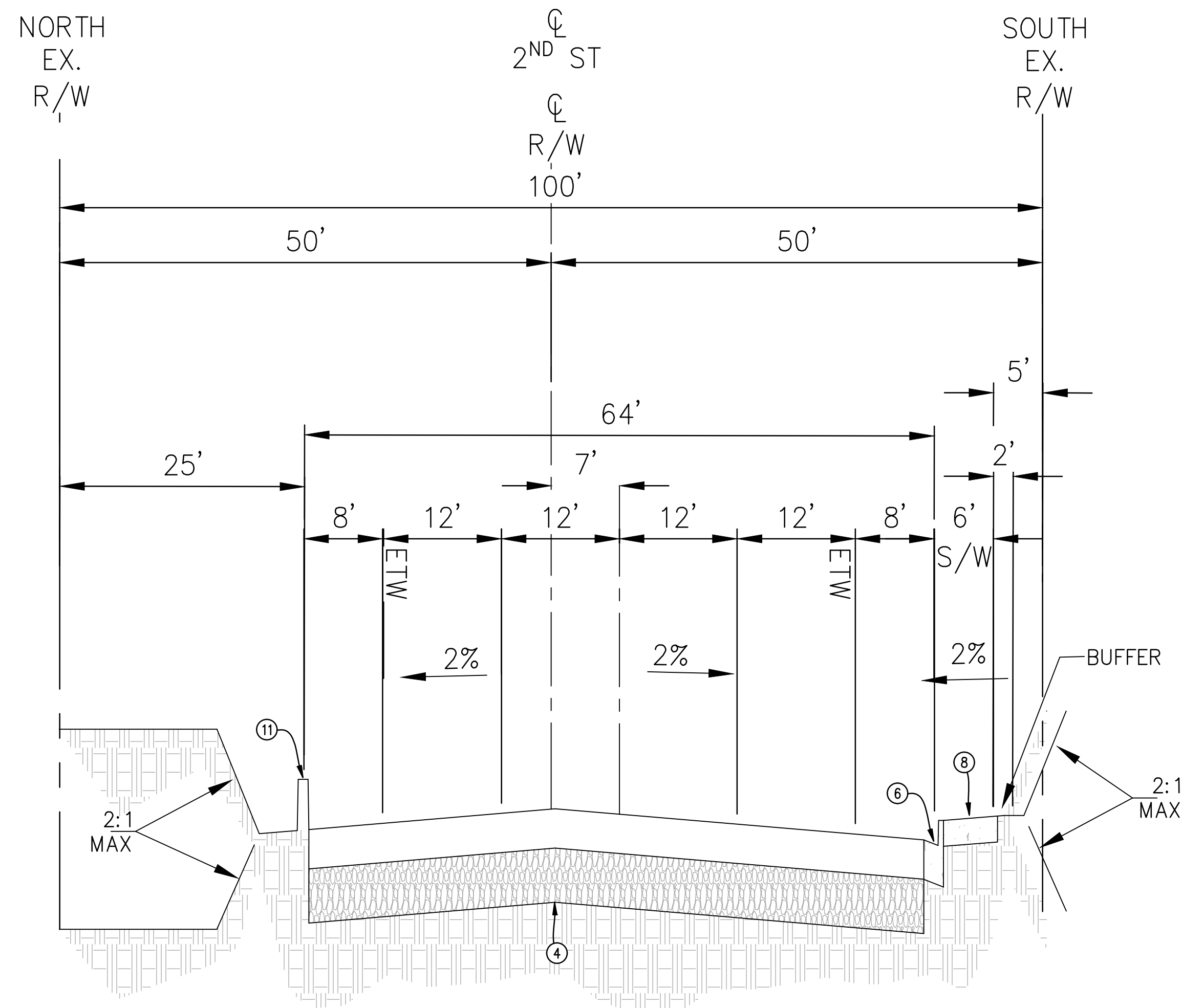


TYPICAL FOOTING 8" PER CALTRANS (REVISION 2016) STANDARD PLAN RSP D89, MODIFIED TO 4'0" AND 2'0" TO MITIGATE OVERTURNING DUE TO EROSION.

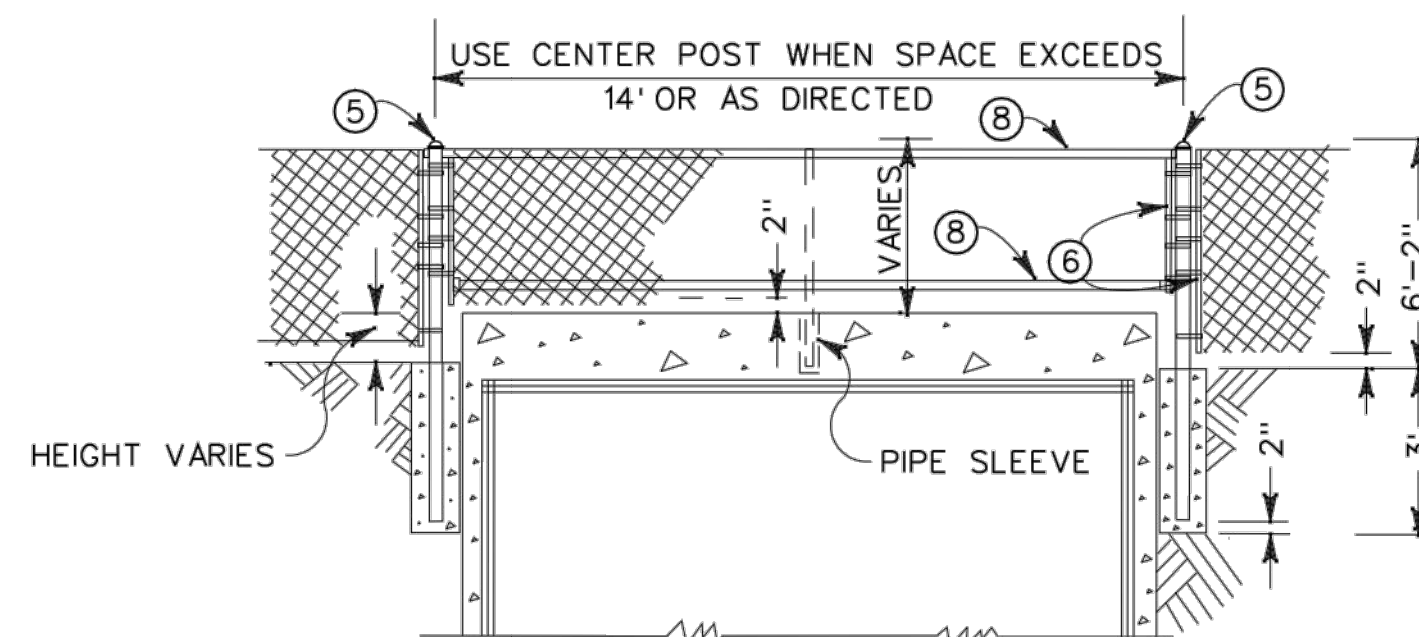
SECTION DOUBLE HEADWALL
(CALTRANS RSP D89)
N.T.S.



PAVEMENT RESTORATION
N.T.S.



TYPICAL STREET SECTION (LOOKING EAST)
1" = 10'



HEADWALL FENCE ASSEMBLY
(RIVERSIDE COUNTY FLOOD CONTROL M801)
N.T.S.

- NOTE**
- CHAIN LINK FENCE 72" FABRIC (9 GAGE)
 - 7 GAGE SPRING STEEL TENSION WIRE
 - 1.660" O.D. GALV. PIPE FOR GATE FRAME. TIE FABRIC TO TOP AND BOTTOM OF FRAME.
 - 1.660" O.D. GALV. STIFFENER.
 - GATE, END & CORNER POSTS 2.875" O.D.
 - STRETCHER BAR 3/16" X 3/4" MIN.
 - LINE POST 2.375" O.D.
 - BRACE REQUIRED ACROSS ALL HEADWALLS OR PARAPETS. 1.660" O.D.
 - 3/8" TENSION ROD WITH TENSION ADJUSTMENT.
 - HINGE BOLTS 3/8"
 - GAGE 11 WIRE TIES
 - 2000 p.s.i. (4 SACK CONC.)
 - PLUNGER ROD
 - CAPS ON ALL POSTS
 - GATE KEEPER

CONSTRUCTION NOTES		QUANTITY ESTIMATES
2	SAWCUT AND REMOVE EXISTING AC PAVEMENT TO SUBGRADE.	4,765 SQ FT
3	COLDMILL EXISTING AC PAVEMENT (2").	12,607 SQ FT
4	CONSTRUCT 8" HMA (1/2 INCH TYPE A PG-64-10) OVER 8" CLASS AB OVER COMPACTED SUBGRADE.	144,326 SQ FT
6	CONSTRUCT TYPE A-8 CURB AND GUTTER PER COUNTY OF RIVERSIDE STD. DETAIL 201.	3,291 LINEAR FT
8	CONSTRUCT PCC SIDEWALK PER COUNTY OF RIVERSIDE STD. DETAIL 401.	11,162 SQ FT
10	REMOVE EXISTING CURB AND GUTTER.	238 LINEAR FT
11	CONSTRUCT AC DIKE TO 8" PER RIVERSIDE COUNTY STANDARD NO. 212.	2,505 LINEAR FT
12	REMOVE PCC SW.	238 LINEAR FT
22	CONSTRUCT DOUBLE STRAIGHT HEADWALL PER CALTRANS STANDARD PLAN NO. RSP D89.	6 EA
26	INSTALL CURB INLET CATCH BASIN PER COUNTY OF RIVERSIDE STANDARD NO. 300.	2 EA
28	FURNISH AND INSTALL TWO (2) 36-INCH RCP WITH CLASS V D-LOAD. CONCRETE ENCASMENT SHALL BE USED WHEN LESS THEN THREE FEET OF COVER IS AVAILABLE.	2 EA
30	FURNISH AND INSTALL ONE (1) 18-INCH RCP WITH CLASS V D-LOAD. CONCRETE ENCASMENT SHALL BE USED WHEN LESS THEN THREE FEET OF COVER IS AVAILABLE.	2 EA
31	FURNISH AND INSTALL TYPE "X" INLET PER COUNTY OF RIVERSIDE STANDARD NO. CB108.	1 EA
32	REMOVE EXISTING MEDIAN STRIPPING.	25 LINEAR FT
33	FURNISH AND INSTALL ONE (1) 24-INCH RCP WITH CLASS V D-LOAD. CONCRETE ENCASMENT SHALL BE USED WHEN LESS THEN THREE FEET OF COVER IS AVAILABLE.	1 EA
34	CONSTRUCT GUTTER DEPRESSION FOR CURB OPENING CATCH BASIN PER RIV. CO. STD. 311-CASE "B".	1 EA
36	CONSTRUCT JUNCTION STRUCTURE #4 PER RIV. CO. FLOOD CONTROL & WCD STANDARD JS 229, CASE #2.	1 EA

100% SUBMITTAL (NOT FOR CONSTRUCTION)

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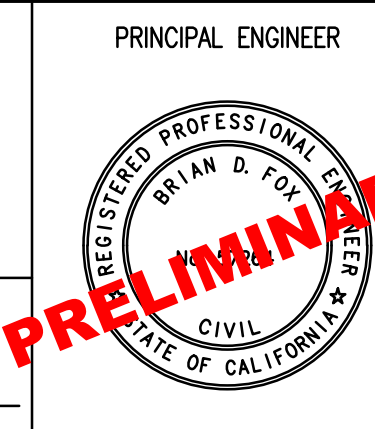
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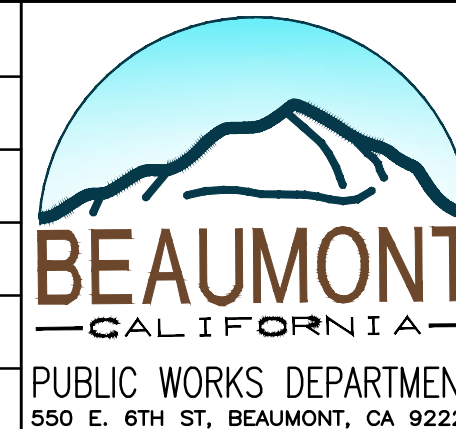


CIVIL / STRUCTURAL ENGINEERS
MUNICIPAL CONSULTANTS / PLANNERS
SURVEYORS / GPS
151 SOUTH GRAND STREET HENET, CA 92544
TEL: (951) 802-1454 FAX: (951) 766-8942
E-MAIL: BFO@COZAD.COM

PREPARED UNDER THE SUPERVISION OF:
BRIAN D. FOX, P.E.; RCE NO. 57264 DATE



PRINCIPAL ENGINEER
DESIGN BY: A.J.R.
DRAWN BY: D.D.S.
CHECKED BY: B.D.F.
SCALE: 1"=40'
DATE: 09/2022
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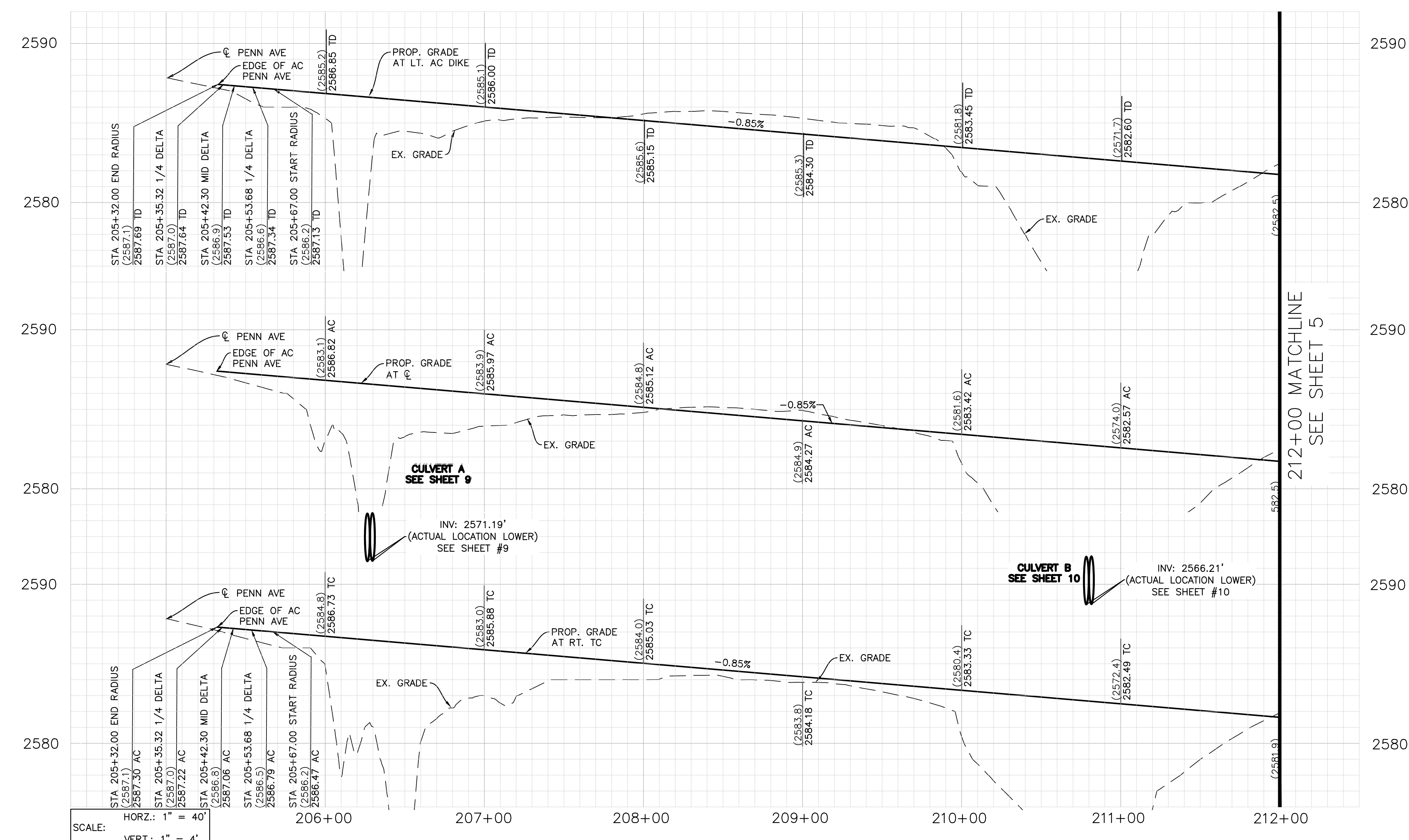
PUBLIC WORKS DEPARTMENT
550 E. 6TH ST., BEAUMONT, CA 92223

REVIEWED BY: _____ STAFF ENGINEER DATE: _____
RECOMMENDED BY: _____ PRINCIPAL ENGINEER DATE: _____
APPROVED BY: _____ CITY ENGINEER DATE: _____

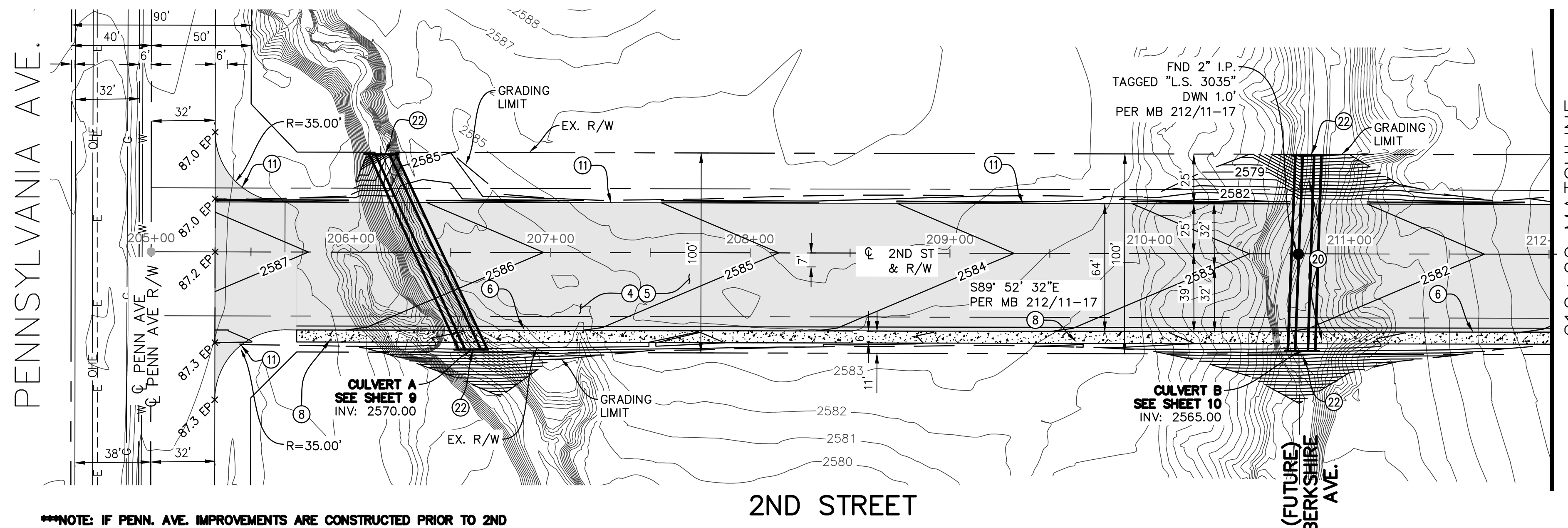
CITY OF BEAUMONT, CALIFORNIA
IMPROVEMENT PLANS FOR:
2ND STREET
SECTIONS/DETAIL SHEET

SHEET
3
OF 10 SHEETS
FILE NO:

CONSTRUCTION NOTES	
④	CONSTRUCT 8" HMA (1/2 INCH TYPE A PG-64-10) OVER 8" CLASS AB OVER COMPACTED SUBGRADE.
⑤	CONSTRUCT VARIABLE DEPTH AC OVERLAY (2" MIN).
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⑧	CONSTRUCT PCC SIDEWALK PER COUNTY OF RIVERSIDE STD. DETAIL 401.
⑩	CONSTRUCT 8" AC DIKE PER RIVERSIDE COUNTY STANDARD NO. 212.
⑳	PROPOSED STORM DRAIN STRUCTURE.
㉓	CONSTRUCT STRAIGHT HEADWALL PER CALTRANS STANDARD PLAN NO. RSP D89.



SCALE:
 HORZ.: 1" = 40'
 VERT.: 1" = 4'

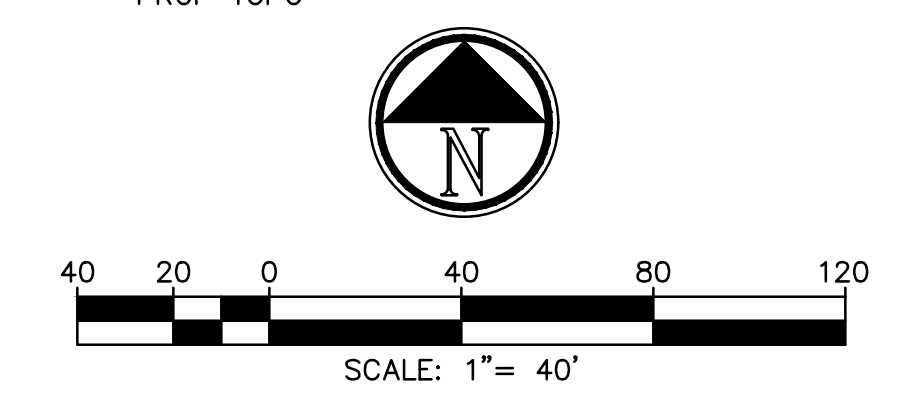


NOTES

- SEE THE SIGNING AND STRIPING PLANS FOR DISPOSITION OF STREET SIGN REMOVALS AND RELOCATIONS.
- SEE DRAINAGE PLANS FOR DISPOSITION OF DRAINAGE APPURTENANCES.
- EXISTING UTILITIES ARE DEPICTED ON PLAN.

LEGEND

	PROPOSED AC PAVEMENT		POWER POLE
	AC GRIND AND CAP		ELECTRICAL VAULT
	PROPOSED CONCRETE SIDEWALK		WATER VALVE
	REMOVE EXISTING AC PAVEMENT ADD PROPOSED AC PAVEMENT		GAS VALVE
	CENTERLINE		SEWER MANHOLE
	RIGHT OF WAY		FIREHYDRANT
	PROPERTY LINE		
	(EX) OVERHEAD ELECTRIC EDISON		
	(EX) SEWER MAIN LINE		
	(EX) 2" GAS LINE		
	(EX) WATER LINE		
	EDGE OF DIRT ROAD		
	(EX) TOPO		
	PROP TOPO		



***NOTE: IF PENN. AVE. IMPROVEMENTS ARE CONSTRUCTED PRIOR TO 2ND STREET IMPROVEMENTS, CONTRACTOR TO FIELD VERIFY EXACT IMPROVEMENTS & ELEVATIONS PRIOR TO CONSTRUCTION.

100% SUBMITTAL (NOT FOR CONSTRUCTION)

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ENGINEER		REVISIONS	CITY	

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 TEL: (951) 862-1454 FAX: (951) 766-9842
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PREPARED UNDER THE SUPERVISION OF:
 BRIAN D. FOX, P.E.; RCE NO. 57264 DATE

PRINCIPAL ENGINEER
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PRELIMINARY

BEAUMONT CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 550 E. 6TH ST., BEAUMONT, CA 92223

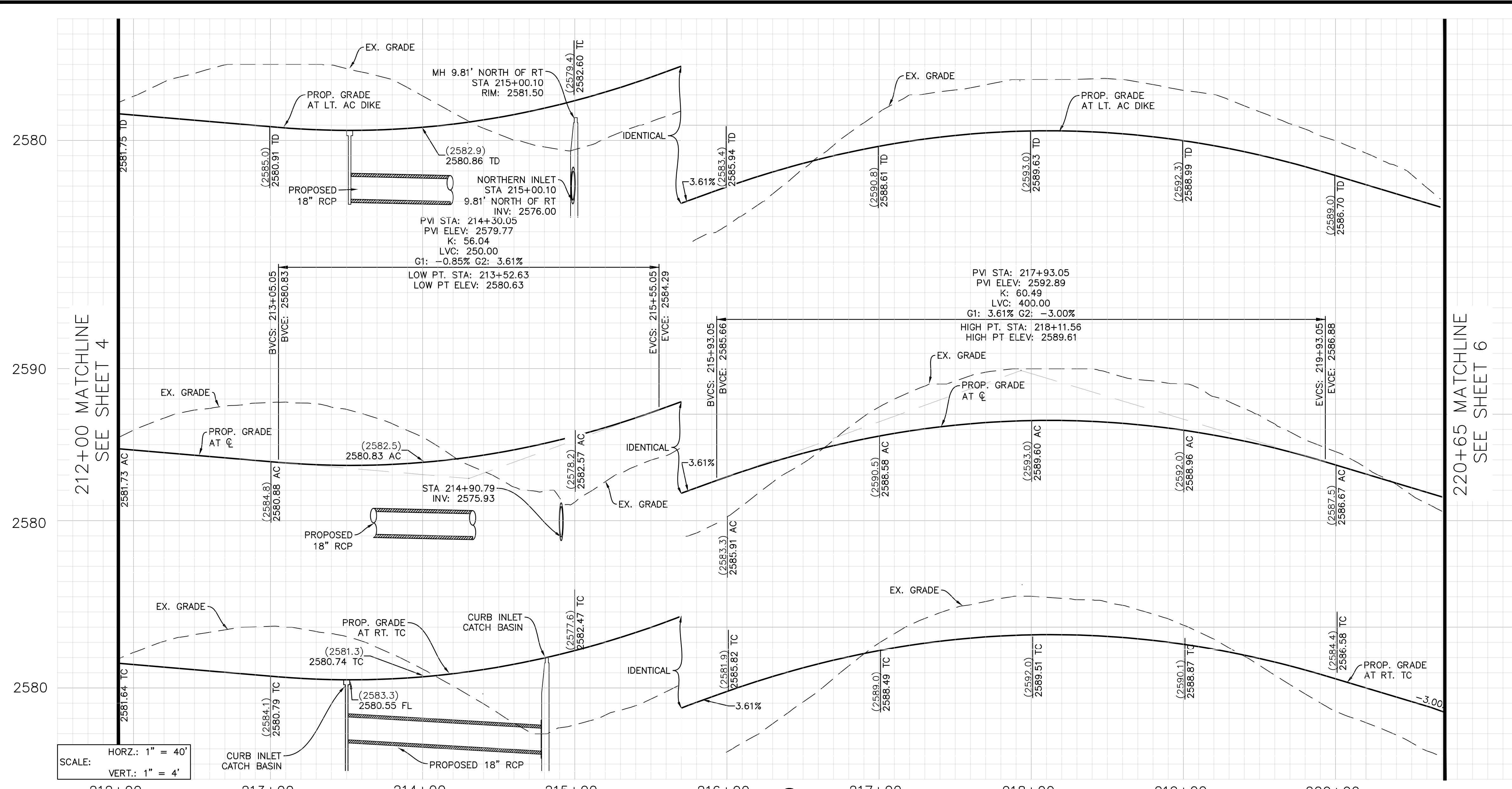
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APPROVED BY:	CITY ENGINEER	DATE:

CITY OF BEAUMONT, CALIFORNIA
 IMPROVEMENT PLANS FOR:
 2ND STREET
 STREET PLAN AND PROFILE
 STA 205+00.00 - 212+00.00

SHEET
 4
 OF 10 SHEETS
 FILE NO:

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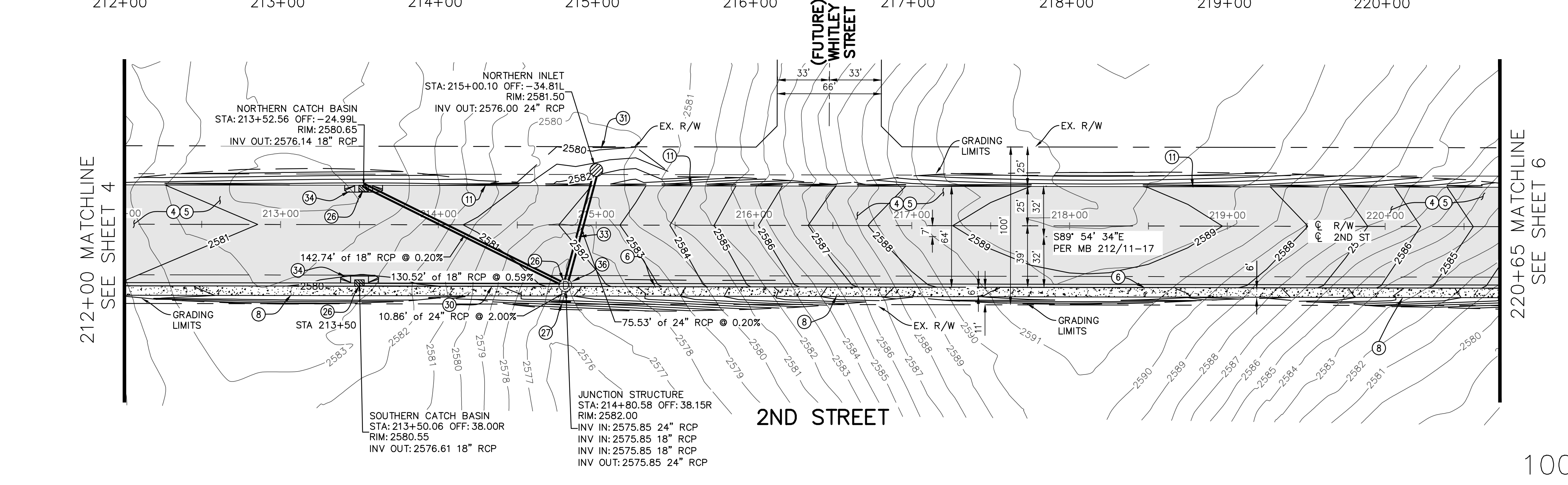


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⑫	INSTALL CURB INLET CATCH BASIN PER COUNTY OF RIVERSIDE STANDARD NO. 300.
⑰	CONSTRUCT RIP-RAP APRON.
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㉑	FURNISH AND INSTALL TYPE "X" INLET PER COUNTY OF RIVERSIDE STANDARD NO. CB108.
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	PROPOSED CONCRETE SIDEWALK		WATER VALVE
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PRINCIPAL ENGINEER: BRIAN D. FOX, P.E., RCE NO. 57264

DESIGN BY: A.J.R. DRAWN BY: D.D.S. CHECKED BY: B.D.F. SCALE: 1"=40' DATE: 09/2022 JOB NUMBER: 2001800.00

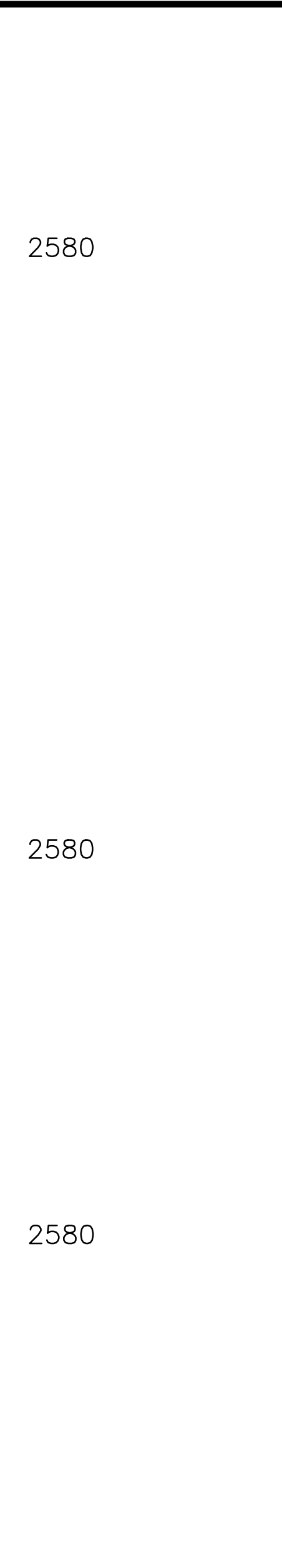
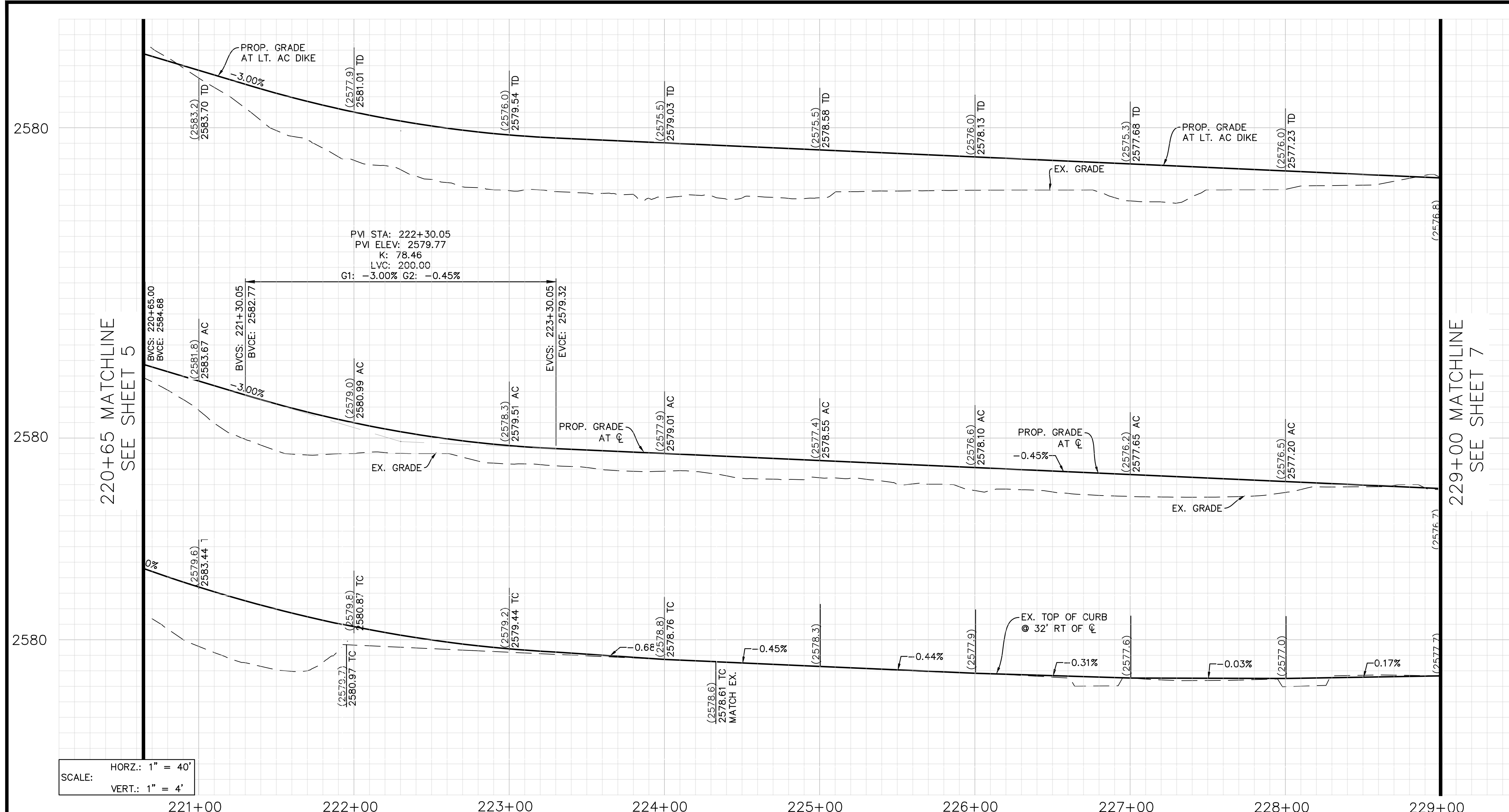
REVIEWED BY: STAFF ENGINEER DATE: RECOMMENDED BY: PRINCIPAL ENGINEER DATE: APPROVED BY: CITY ENGINEER DATE:

BEAUMONT CALIFORNIA PUBLIC WORKS DEPARTMENT 550 E. 6TH ST., BEAUMONT, CA 92223

CITY OF BEAUMONT, CALIFORNIA IMPROVEMENT PLANS FOR: 2ND STREET STREET PLAN AND PROFILE STA 212+00.00 - 220+65.00

SHEET 5 OF 10 SHEETS FILE NO:

100% SUBMITTAL (NOT FOR CONSTRUCTION)

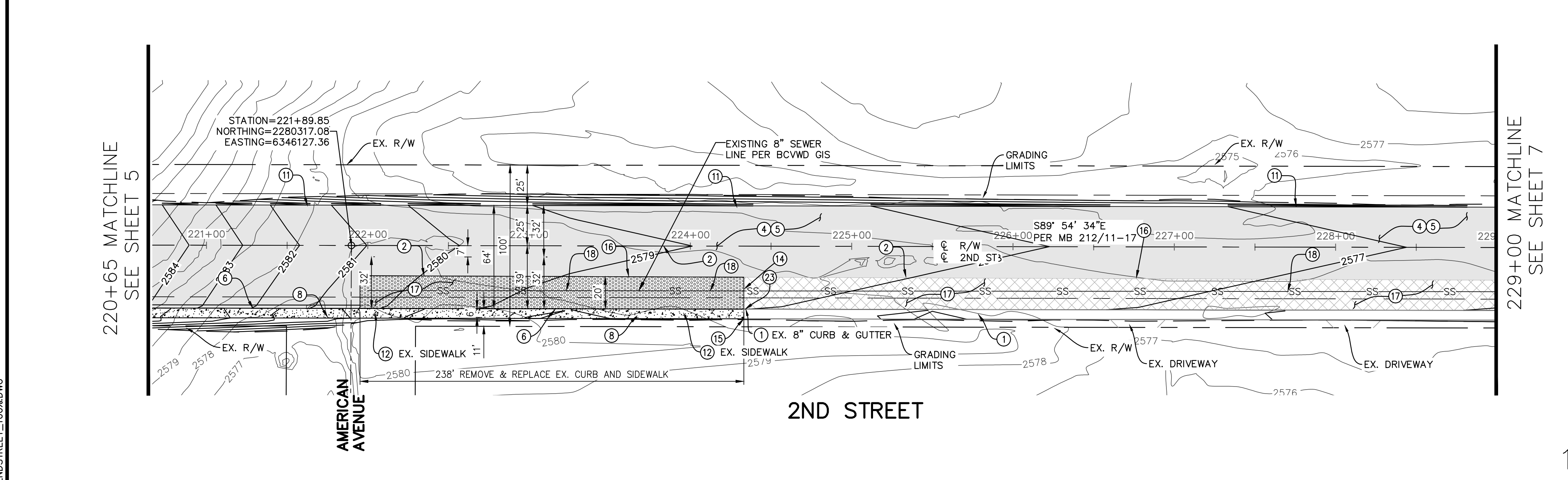
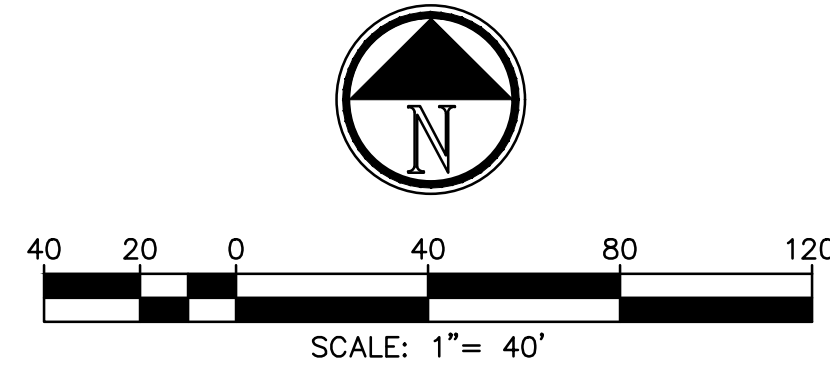


CONSTRUCTION NOTES	
1	PROTECT IN PLACE.
2	SAWCUT AND REMOVE EXISTING AC PAVEMENT TO SUBGRADE.
4	CONSTRUCT 8" HMA (1/2 INCH TYPE A PG-64-10) OVER 8" CLASS AB OVER COMPACTED SUBGRADE.
5	CONSTRUCT VARIABLE DEPTH AC OVERLAY (2" MIN).
6	CONSTRUCT TYPE A-8 CURB AND GUTTER PER COUNTY OF RIVERSIDE STD. DETAIL 201.
8	CONSTRUCT PCC SIDEWALK PER COUNTY OF RIVERSIDE STD. DETAIL 401.
11	CONSTRUCT 8" AC DIKE PER RIVERSIDE COUNTY STANDARD NO. 212.
12	REMOVE PCC SW.
14	EXISTING 36" Ø CONCRETE PIPE.
15	MATCH EXISTING SIDEWALK.
16	MATCH EXISTING ASPHALT CONCRETE.
17	GRIND AND CAP EXISTING ASPHALT CONCRETE.
18	PROTECT IN PLACE CURRENT SEWER LINE.
23	MATCH TO EXISTING CURB AND GUTTER.

GEOTECHNICAL NOTE:
 BOREHOLES #4 AND #5 ENCOUNTERED CONCRETE AT DEPTHS OF APPROXIMATELY 3.5 INCHES. SEE SLADEN ENGINEERING GEOTECHNICAL REPORT (PROJECT NO. 644-20020) DATED AUGUST 25TH, 2020 FOR DETAILS.

- NOTES**
- SEE THE SIGNING AND STRIPING PLANS FOR DISPOSITION OF STREET SIGN REMOVALS AND RELOCATIONS.
 - SEE DRAINAGE PLANS FOR DISPOSITION OF DRAINAGE APPURTENANCES.
 - EXISTING UTILITIES ARE DEPICTED ON PLAN.

LEGEND	
	PROPOSED AC PAVEMENT
	AC GRIND AND CAP
	PROPOSED CONCRETE SIDEWALK
	REMOVE EXISTING AC PAVEMENT ADD PROPOSED AC PAVEMENT
	POWER POLE
	ELECTRICAL VAULT
	WATER VALVE
	GAS VALVE
	CENTERLINE
	RIGHT OF WAY
	PROPERTY LINE
	(EX) OVERHEAD ELECTRIC EDISON
	(EX) SEWER MAIN LINE
	(EX) 2" GAS LINE
	(EX) WATER LINE
	EDGE OF DIRT ROAD
	(EX) TOPO
	PROP TOPO



100% SUBMITTAL (NOT FOR CONSTRUCTION)

DIGALERT
 Call 2 Working Days Before You Dig!
 811

BENCHMARK: ELEVATIONS SHOWN ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). DIFFERENTIAL LEVELS AND STATIC GPS OBSERVATIONS DETERMINED ELEVATIONS. THE NATIONAL GEODETIC SURVEY (NGS) DATASHEET ELEVATION AT THE NGS BENCHMARK WAS USED:
 STATION K1311 NGS POINT ID DX3472 ELEVATION (FT) 2601.93
 DESCRIPTION: 3" BRASS DISK SET VERTICALLY IN THE WEST FACE OF 1-10 OVERCROSSING OF PENNSYLVANIA AVE., 36' EAST OF THE AVENUE CENTERLINE, 1.7' NORTH OF THE SOUTH END OF THE WEST FACE, 3' ABOVE THE GROUND.

BY	MARK	DESCRIPTION	APPR.	DATE
ENGINEER		REVISIONS	CITY	

Cozad & Fox, Inc.
 CIVIL / STRUCTURAL ENGINEERS
 MUNICIPAL CONSULTANTS / PLANNERS
 SURVEYORS / GPS
 151 SOUTH GRAND STREET HENET, CA 92544
 TEL: (951) 862-4454 FAX: (951) 766-8942
 E-MAIL: BFO@COZADFOX.COM

PREPARED UNDER THE SUPERVISION OF:
 BRIAN D. FOX, P.E., RCE NO. 57264 DATE

PRINCIPAL ENGINEER
 DESIGN BY: A.J.R.
 DRAWN BY: D.D.S.
 CHECKED BY: B.D.F.
 SCALE: 1"=40'
 DATE: 09/2022
 JOB NUMBER: 2001800.00

PRELIMINARY

BEAUMONT CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 550 E. 6TH ST, BEAUMONT, CA 92223

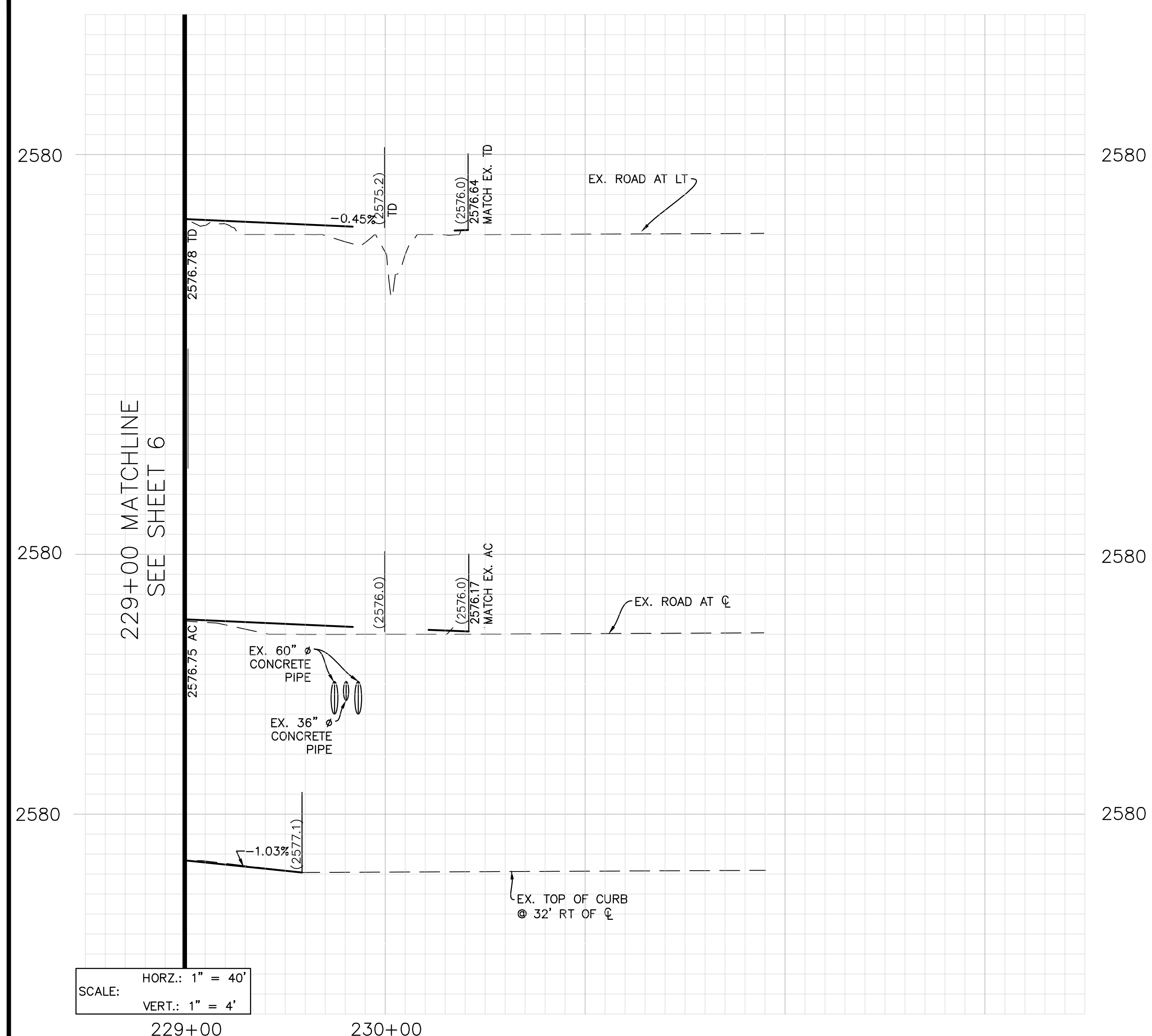
REVIEWED BY:	STAFF ENGINEER	DATE:
RECOMMENDED BY:	PRINCIPAL ENGINEER	DATE:
APPROVED BY:	CITY ENGINEER	DATE:

CITY OF BEAUMONT, CALIFORNIA
 IMPROVEMENT PLANS FOR:
 2ND STREET
 STREET PLAN AND PROFILE
 STA 220+65.00 - 229+00.00

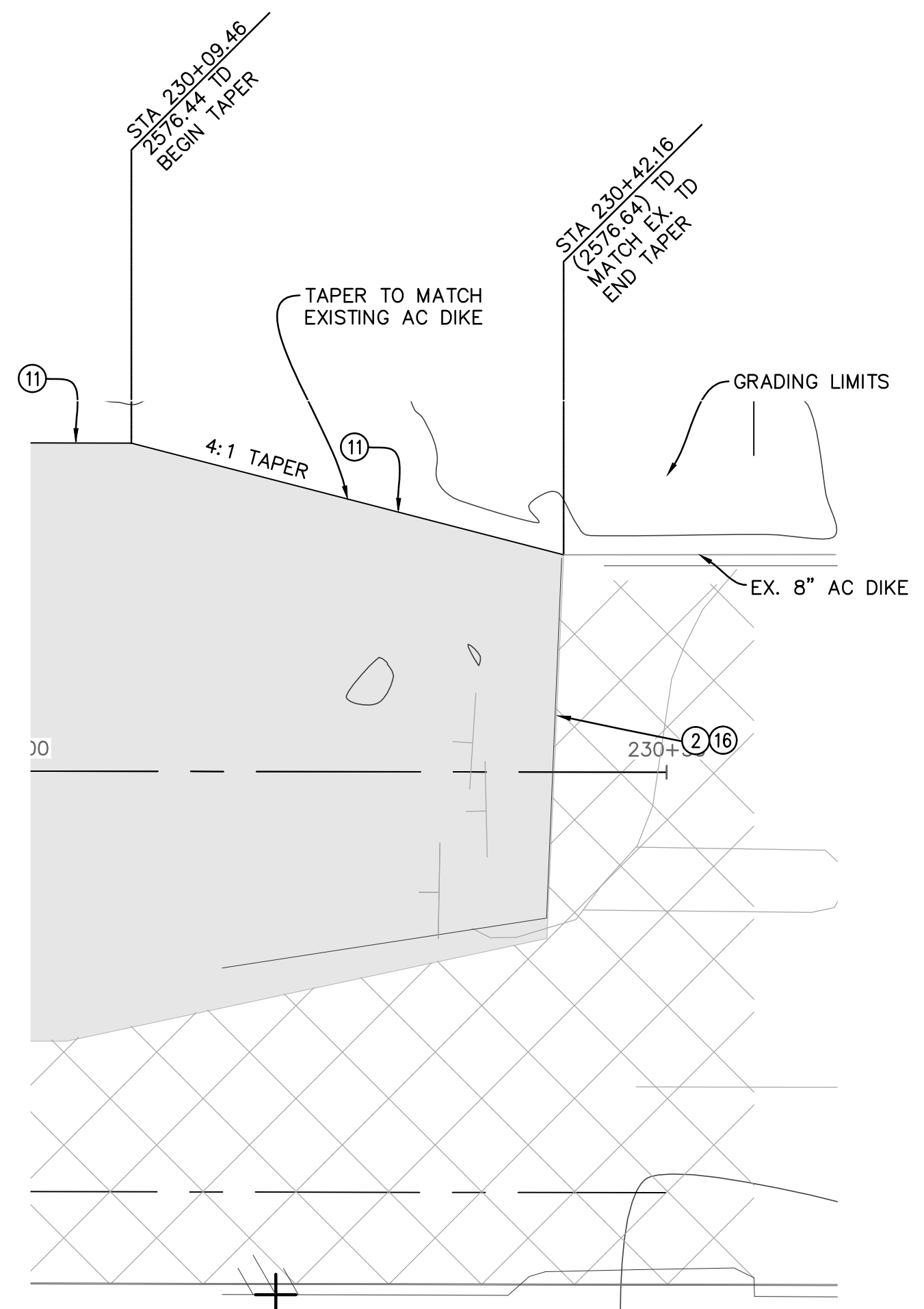
SHEET
 6
 OF 10 SHEETS
 FILE NO:

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CONSTRUCTION NOTES	
(2)	SAWCUT AND REMOVE EXISTING AC PAVEMENT TO SUBGRADE.
(11)	CONSTRUCT 8" AC DIKE PER RIVERSIDE COUNTY STANDARD NO. 212.
(14)	EXISTING 36" Ø CONCRETE PIPE.
(16)	MATCH EXISTING ASPHALT CONCRETE.
(17)	GRIND AND CAP EXISTING ASPHALT CONCRETE.
(18)	PROTECT IN PLACE CURRENT SEWER LINE.
(19)	PROTECT IN PLACE CURRENT STORM DRAIN SYSTEM.
(24)	EXISTING HEADWALL. PROTECT IN PLACE.
(25)	EXISTING 60" Ø CONCRETE PIPE. PROTECT IN PLACE.
(29)	REMOVE EXISTING MEDIAN STRIPPING.



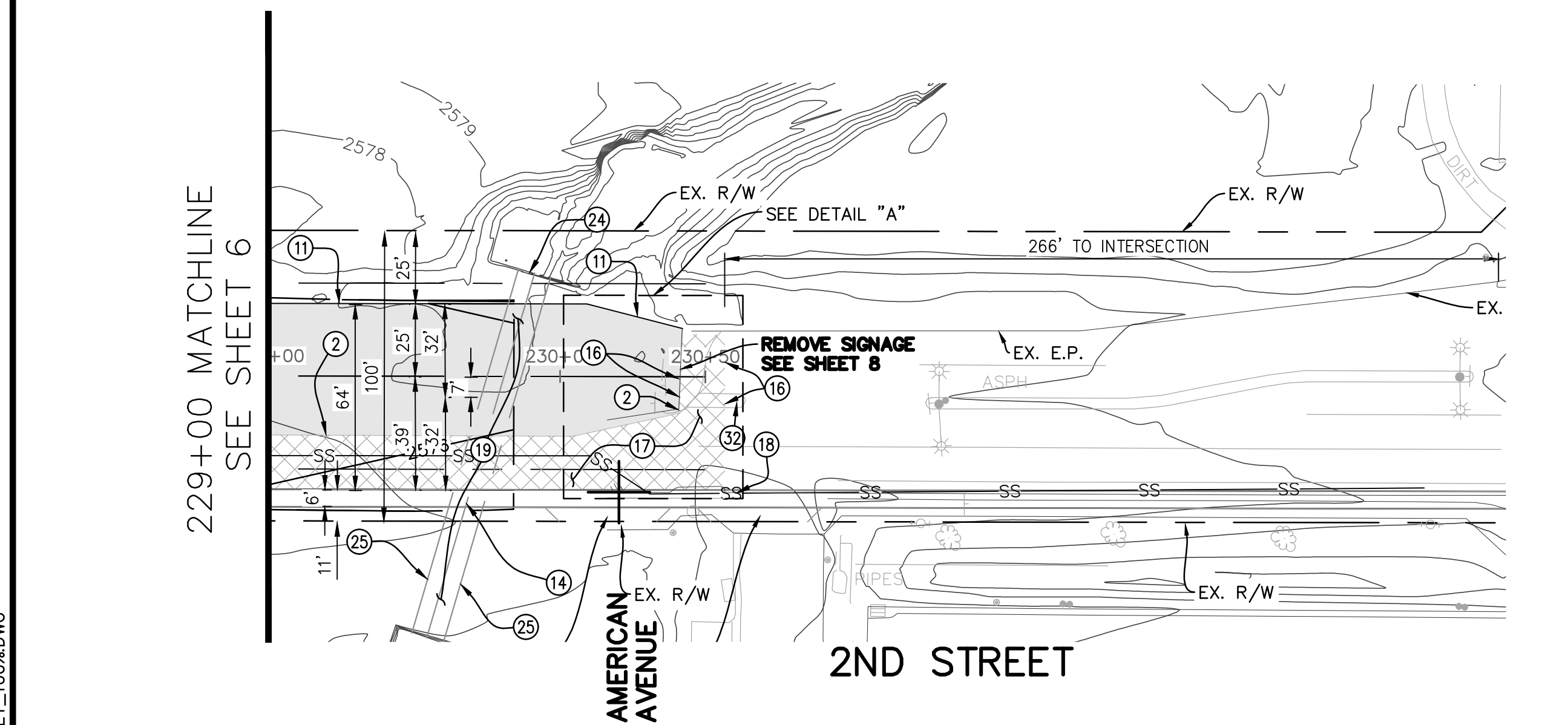
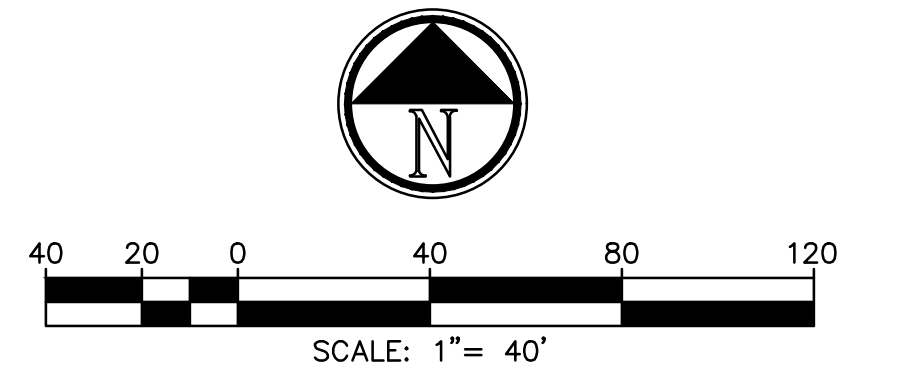
SCALE: HORIZ.: 1" = 40'
VERT.: 1" = 4'



DETAIL "A"
SCALE: 1" = 10'

- NOTES**
- SEE THE SIGNING AND STRIPING PLANS FOR DISPOSITION OF STREET SIGN REMOVALS AND RELOCATIONS.
 - SEE DRAINAGE PLANS FOR DISPOSITION OF DRAINAGE APPURTENANCES.
 - EXISTING UTILITIES ARE DEPICTED ON PLAN.

LEGEND			
	PROPOSED AC PAVEMENT		POWER POLE
	AC GRIND AND CAP		ELECTRICAL VAULT
	PROPOSED CONCRETE SIDEWALK		WATER VALVE
	REMOVE EXISTING AC PAVEMENT ADD PROPOSED AC PAVEMENT		GAS VALVE
	CENTERLINE		SEWER MANHOLE
	RIGHT OF WAY		FIREHYDRANT
	PROPERTY LINE		
	(EX) OVERHEAD ELECTRIC EDISON		
	(EX) SEWER MAIN LINE		
	(EX) WATER LINE		
	EDGE OF DIRT ROAD		
	(EX) TOPO		
	PROP TOPO		



100% SUBMITTAL (NOT FOR CONSTRUCTION)

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 CIVIL / STRUCTURAL ENGINEERS
 MUNICIPAL CONSULTANTS / PLANNERS
 SURVEYORS / GPS
 151 SOUTH GRAND STREET HENET, CA 92544
 TEL: (951) 802-4454 FAX: (951) 766-8942
 E-MAIL: BFO@COZADFOX.COM
 PREPARED UNDER THE SUPERVISION OF:
 BRIAN D. FOX, P.E.; RCE NO. 57264 DATE

PRINCIPAL ENGINEER
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 SCALE: 1"=40'
 DATE: 09/2022
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 PUBLIC WORKS DEPARTMENT
 550 E. 6TH ST., BEAUMONT, CA 92223

REVIEWED BY:	STAFF ENGINEER	DATE:
RECOMMENDED BY:	PRINCIPAL ENGINEER	DATE:
APPROVED BY:	CITY ENGINEER	DATE:

CITY OF BEAUMONT, CALIFORNIA
 IMPROVEMENT PLANS FOR:
 2ND STREET
 STREET PLAN AND PROFILE
 STA 229+00.00 - 230+00.00

SHEET
 7
 OF 10 SHEETS
 FILE NO:

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PENNSYLVANIA AVENUE

PENNSYLVANIA AVENUE

2ND STREET

2ND STREET

2ND STREET

(FUTURE) BERKSHIRE AVE.

(FUTURE) BERKSHIRE AVE.

(FUTURE) WHITLEY STREET

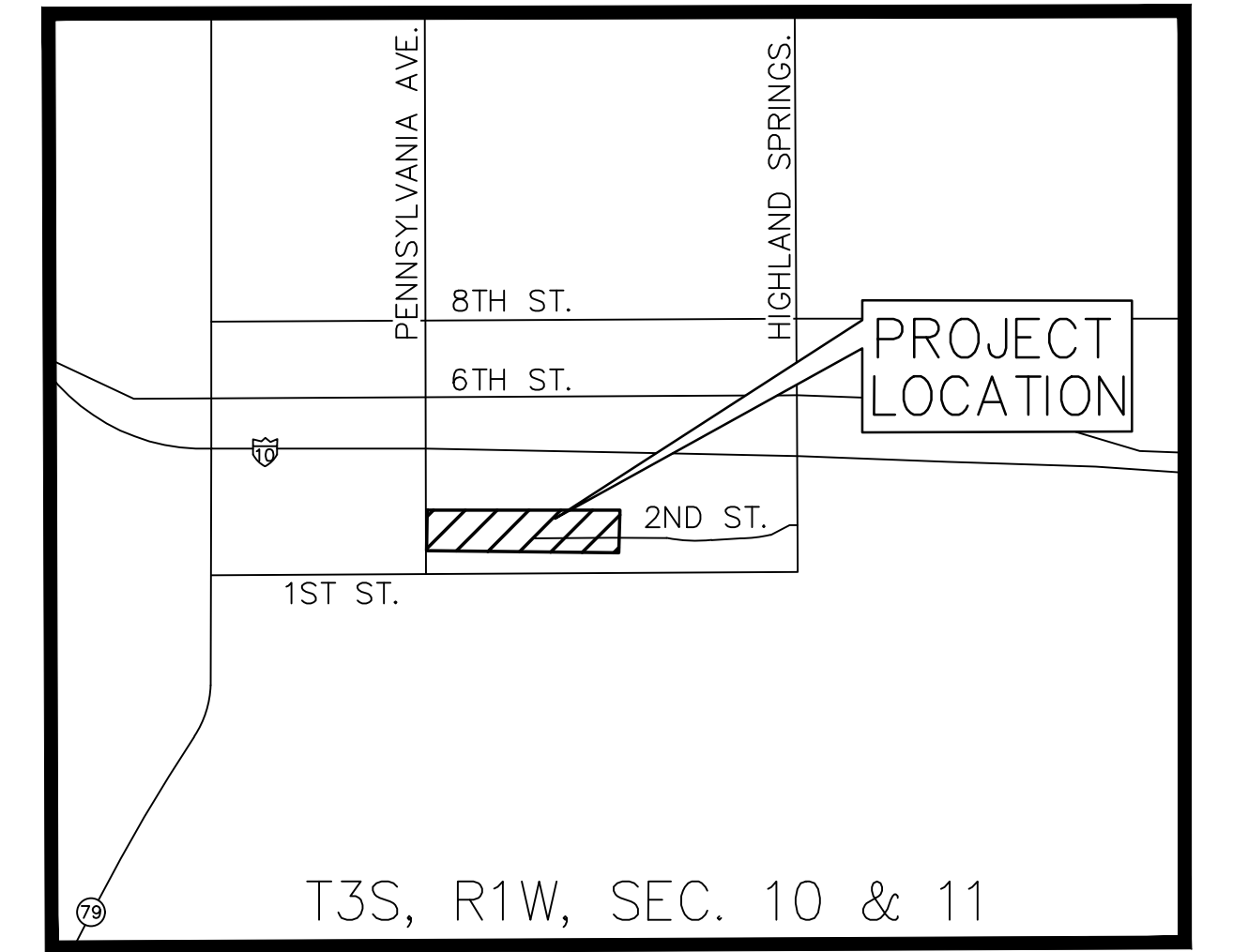
(FUTURE) AMERICAN AVENUE

213+50 MATCHLINE
SEE SHEET 8 MIDDLE LEFT

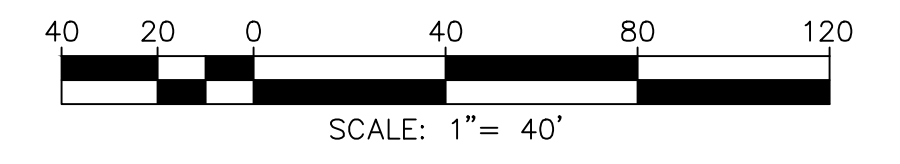
222+50 MATCHLINE
SEE SHEET 8 BOTTOM LEFT

213+50 MATCHLINE
SEE SHEET 8 TOP RIGHT

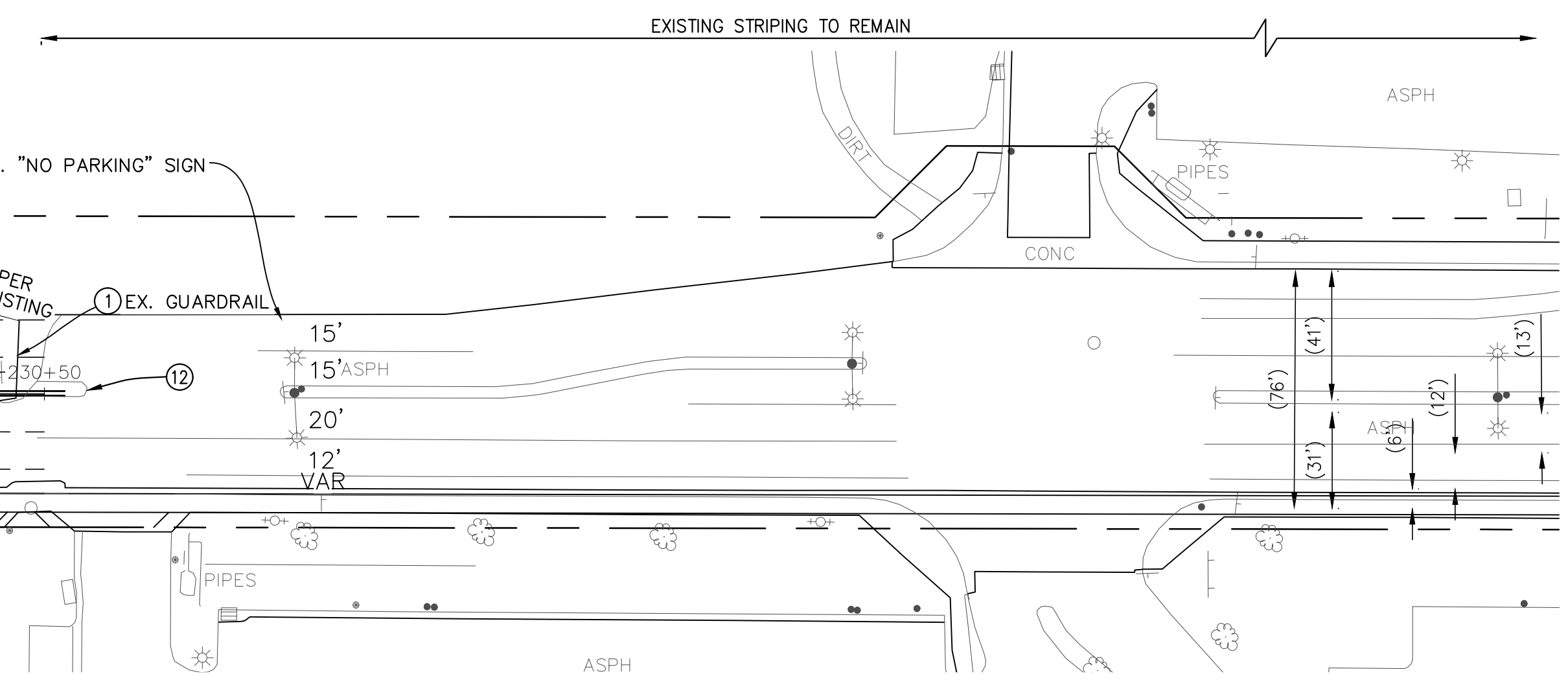
222+50 MATCHLINE
SEE SHEET 8 MIDDLE RIGHT



T3S, R1W, SEC. 10 & 11
VICINITY MAP
N.T.S.



SIGNAGE AND STRIPING NOTES	
1	REMOVE CONFLICTING STRIPING AND MARKERS
2	INSTALL HELMETED BICYCLIST SYMBOL PER CALIFORNIA MUTCD SPECIFICATIONS
3	INSTALL DETAIL 38 CHANNELIZING LINE PER CALTRANS STANDARD PLAN A20D
4	INSTALL DETAIL 9 STRIPING PER CALTRANS STANDARD PLAN A20A
5	INSTALL DETAIL 22 STRIPING PER CALTRANS STANDARD PLAN A20A
6	INSTALL BIKE LANE SYMBOL PER CALIFORNIA MUTCD SPECIFICATIONS
7	INSTALL TYPE IV(L) PAVEMENT MARKING ARROW PER CALTRANS STANDARD PLAN A24A
8	INSTALL TYPE IV(R) PAVEMENT MARKING ARROW PER CALTRANS STANDARD PLAN A24A
9	INSTALL DETAIL 27B STRIPING PER CALTRANS STANDARD PLAN A20B
10	INSTALL "STOP" LEGEND PER CALTRANS STANDARD PLAN A24D
11	INSTALL "AHEAD" LEGEND PER CALTRANS STANDARD PLAN A24D
12	REMOVE EXISTING MEDIAN STRIPING



100% SUBMITTAL (NOT FOR CONSTRUCTION)

Z:\2001800\DWG\2001800.00_2NDSTREET_100%_SIGNAGE&STRIPING.DWG



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ENGINEER		REVISIONS	CITY	

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TEL: (951) 802-1454 FAX: (951) 766-8942
E-MAIL: BFO@COZADFOX.COM

PRINCIPAL ENGINEER
DESIGN BY: D.D.S.
DRAWN BY: D.D.S.
CHECKED BY: B.D.F.
SCALE: 1"=40'
DATE: 09/2022
JOB NUMBER: 2001800.00

BEAUMONT CALIFORNIA
PUBLIC WORKS DEPARTMENT
550 E. 6TH ST., BEAUMONT, CA 92223

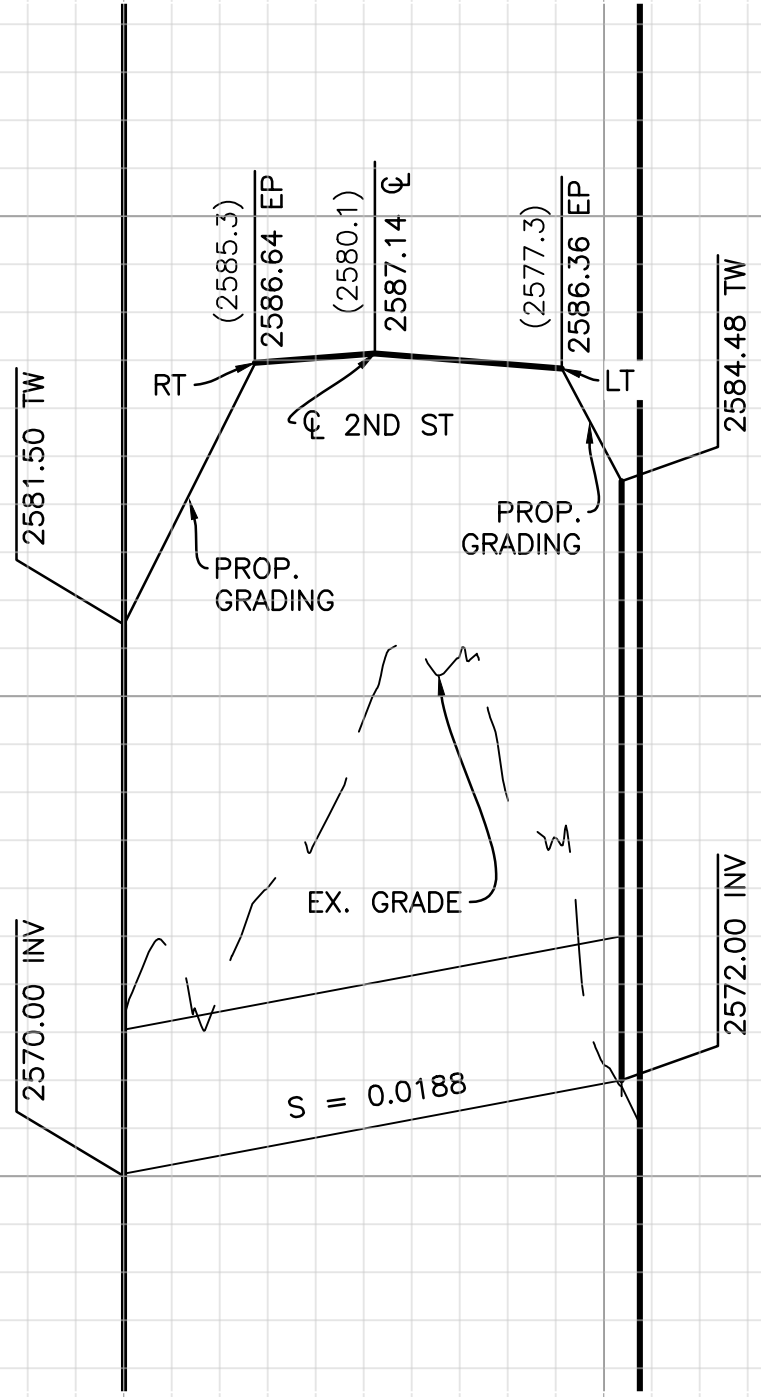
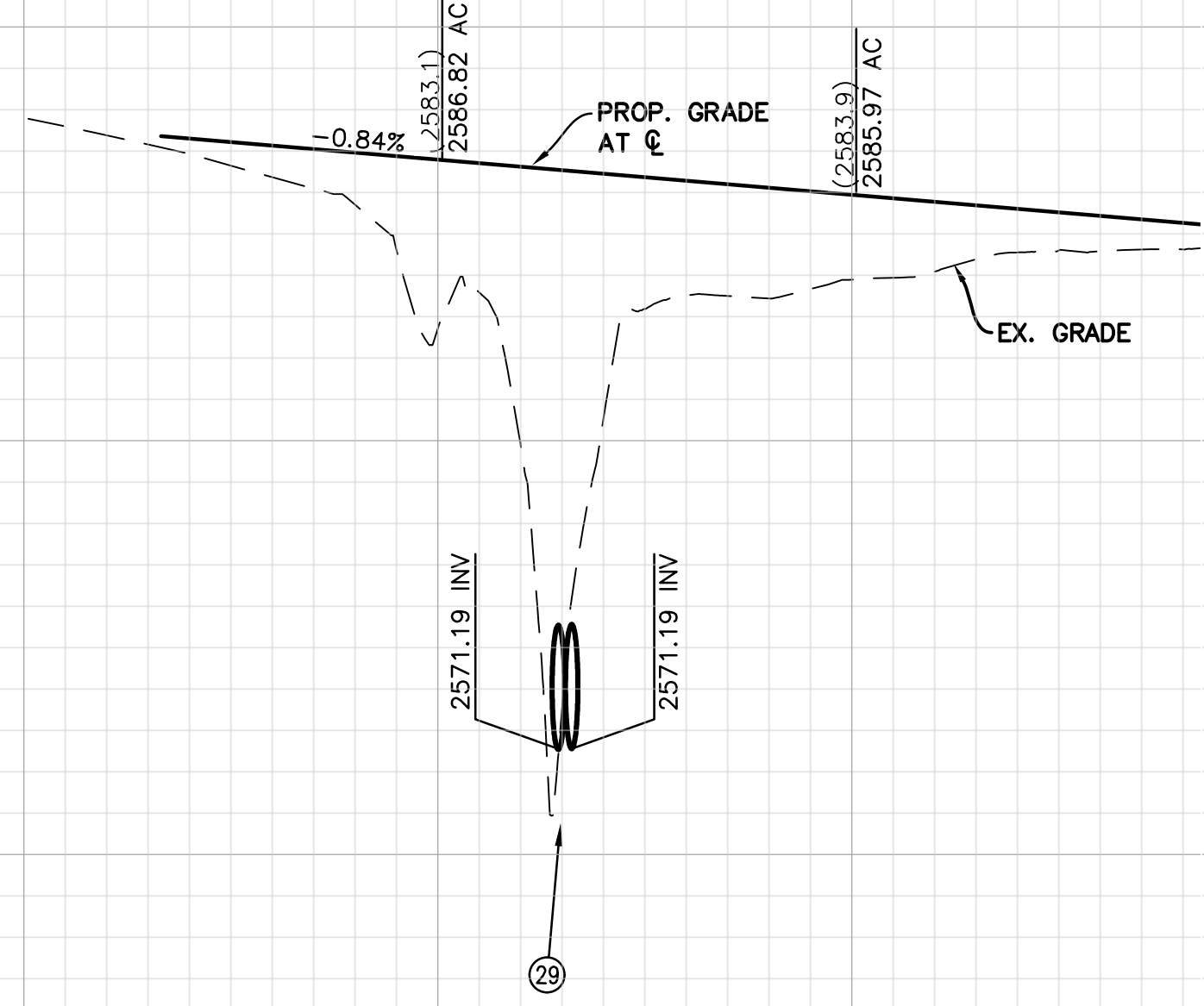
REVIEWED BY: _____ DATE: _____
RECOMMENDED BY: _____ DATE: _____
APPROVED BY: _____ DATE: _____

CITY OF BEAUMONT, CALIFORNIA
IMPROVEMENT PLANS FOR:
2ND STREET SIGNAGE AND STRIPAGE

SHEET
8
OF 10 SHEETS
FILE NO:

CONSTRUCTION NOTES	
19	PROTECT IN PLACE CURRENT STORM DRAIN SYSTEM.
26	INSTALL CURB INLET CATCH BASIN PER COUNTY OF RIVERSIDE STANDARD NO. 300.
27	CONSTRUCT RIP-RAP APRON.
28	FURNISH AND INSTALL PRECAST TYPE G3 DRAINAGE INLET PER CALTRANS STANDARD PLAN D738 AND GUTTER DEPRESSION PER CALTRANS STANDARD PLAN RSP D78A, TYPE G3 INLET IN GRADE SAG.
29	FURNISH AND INSTALL TWO (2) 36-INCH RCP WITH CLASS D-LOAD CONCRETE ENCASEMENT SHALL BE USED WHEN LESS THEN THREE FEET OF COVER IS AVAILABLE.

2590
2580
2570



SECTION AT C

PROFILE
STA 0+00.00 - 1+07.45

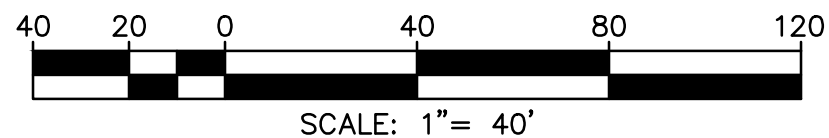
SCALE: HORZ.: 1" = 40'
VERT.: 1" = 4'

NOTES

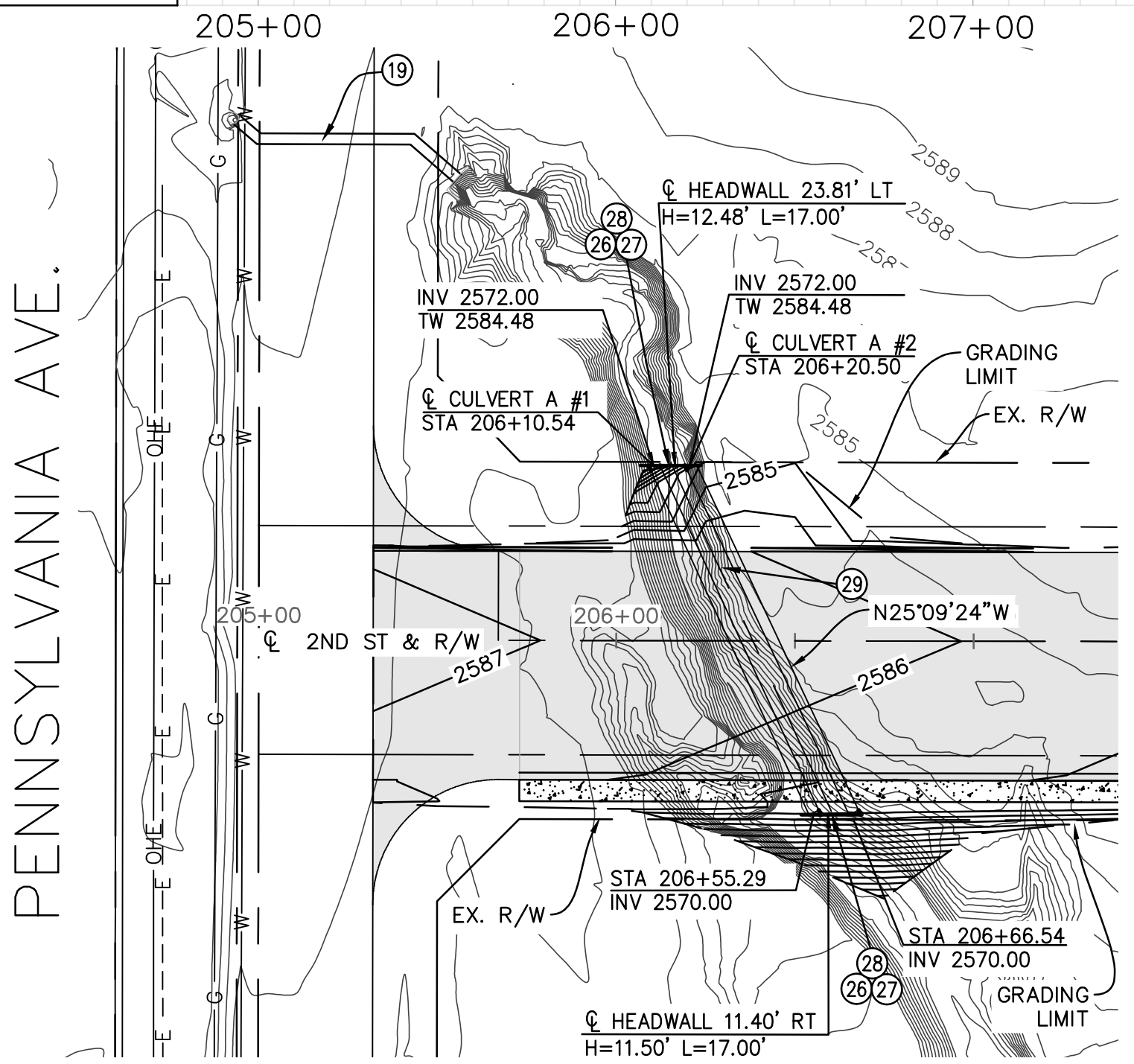
- SEE THE SIGNING AND STRIPING PLANS FOR DISPOSITION OF STREET SIGN REMOVALS AND RELOCATIONS.
- SEE DRAINAGE PLANS FOR DISPOSITION OF DRAINAGE APPURTENANCES.
- EXISTING UTILITIES ARE DEPICTED ON PLAN.

LEGEND

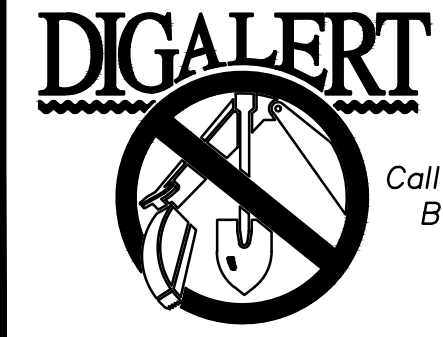
	PROPOSED AC PAVEMENT		POWER POLE
	AC PAVEMENT GRIND AND CAP		ELECTRICAL VAULT
	PROPOSED CONCRETE SIDEWALK		WATER VALVE
	CENTERLINE		GAS VALVE
	RIGHT OF WAY		SEWER MANHOLE
	PROPERTY LINE		FIREHYDRANT
	(EX) OVERHEAD ELECTRIC EDISON		
	(EX) SEWER MAIN LINE		
	(EX) 2" GAS LINE		
	(EX) WATER LINE		
	EDGE OF DIRT ROAD		
	(EX) TOPO		
	PROP TOPO		



100% SUBMITTAL (NOT FOR CONSTRUCTION)



PROPOSED CULVERT "A"



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ENGINEER		REVISIONS		CITY



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PREPARED UNDER THE SUPERVISION OF:
BRIAN D. FOX, P.E.; RCE NO. 57264 DATE

PRINCIPAL ENGINEER
BRIAN D. FOX
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA
PRELIMINARY

DESIGN BY: A.J.R.
DRAWN BY: D.D.S.
CHECKED BY: B.D.F.
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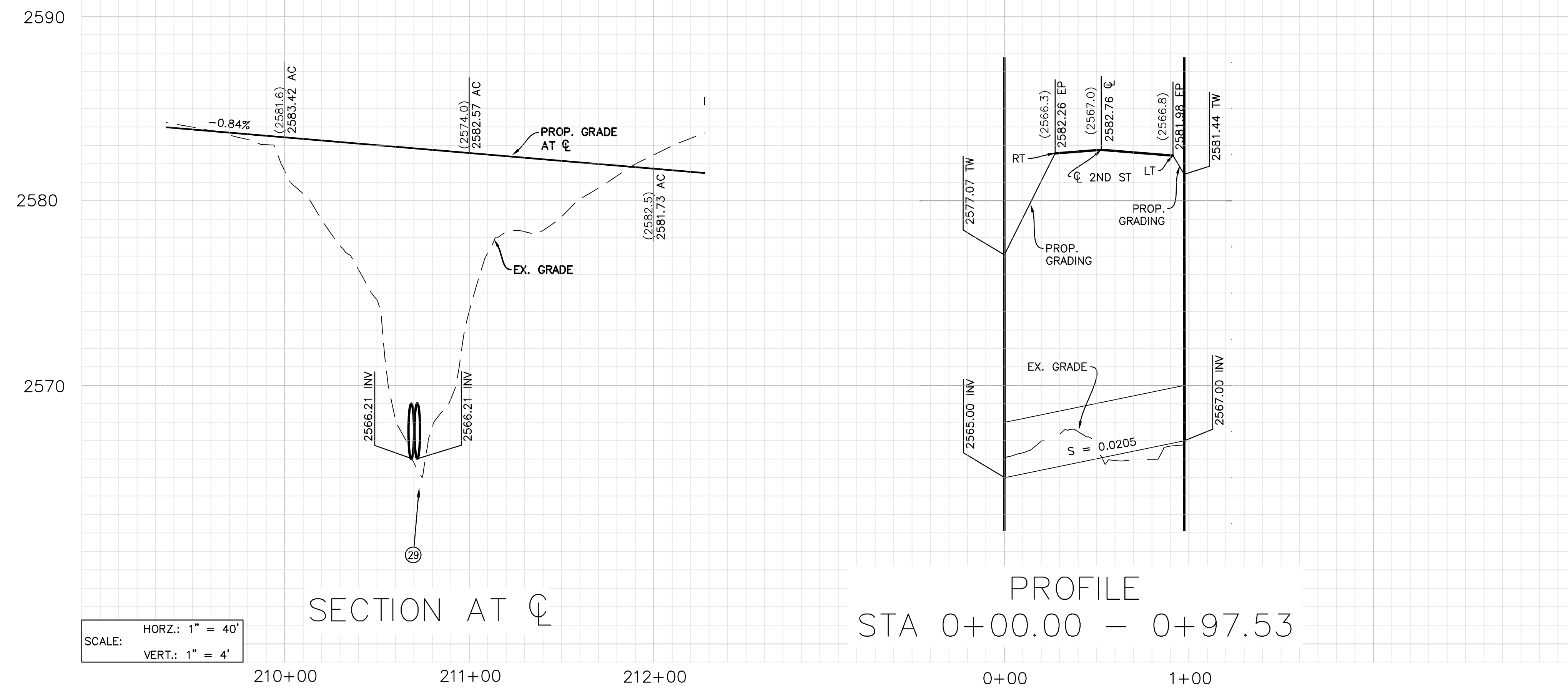
REVIEWED BY: _____ DATE: _____
STAFF ENGINEER
RECOMMENDED BY: _____ DATE: _____
PRINCIPAL ENGINEER
APPROVED BY: _____ DATE: _____
CITY ENGINEER

CITY OF BEAUMONT, CALIFORNIA
IMPROVEMENT PLANS FOR:
2ND STREET
CULVERT CROSSING

SHEET
9
OF 10 SHEETS
FILE NO:

Z:\2001800\DWG\2001800.00_CULVERTCROSSING_100%.DWG

CONSTRUCTION NOTES	
20	PROPOSED STORM DRAIN STRUCTURE.
22	CONSTRUCT STRAIGHT HEADWALL PER CALTRANS STANDARD PLAN NO. RSP D89.
26	INSTALL CURB INLET CATCH BASIN PER COUNTY OF RIVERSIDE STANDARD NO. 300.
27	CONSTRUCT RIP-RAP APRON.
28	FURNISH AND INSTALL PRECAST TYPE G3 DRAINAGE INLET PER CALTRANS STANDARD PLAN D738 AND GUTTER DEPRESSION PER CALTRANS STANDARD PLAN RSP D78A, TYPE G3 INLET IN GRADE SAG.
29	FURNISH AND INSTALL TWO (2) 36-INCH RCP WITH CLASS D-LOAD, CONCRETE ENCASMENT SHALL BE USED WHEN LESS THEN THREE FEET OF COVER IS AVAILABLE.



SECTION AT C

PROFILE
STA 0+00.00 - 0+97.53

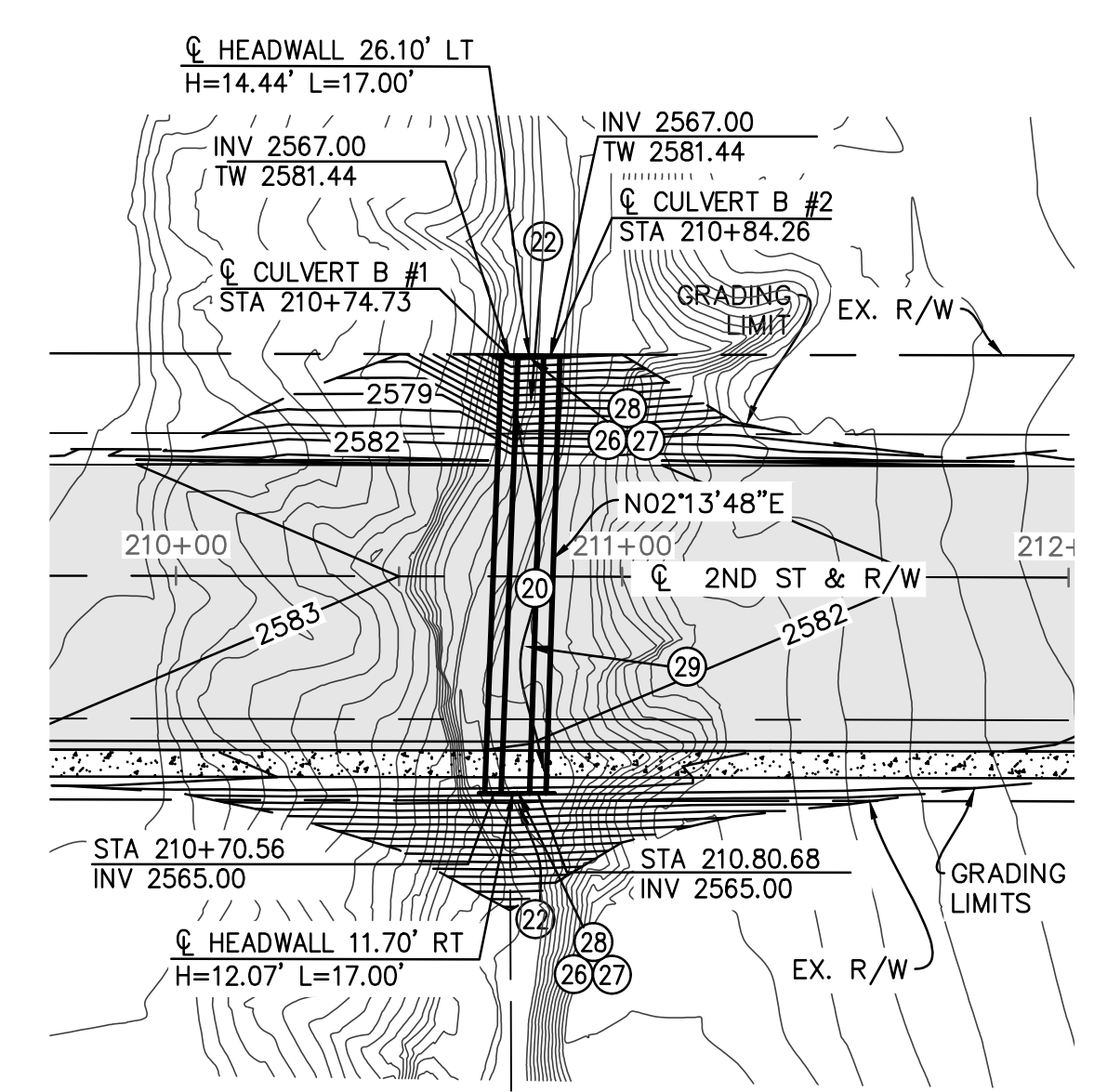
SCALE: HORZ.: 1" = 40'
VERT.: 1" = 4'

NOTES

- SEE THE SIGNING AND STRIPING PLANS FOR DISPOSITION OF STREET SIGN REMOVALS AND RELOCATIONS.
- SEE DRAINAGE PLANS FOR DISPOSITION OF DRAINAGE APPURTENANCES.
- EXISTING UTILITIES ARE DEPICTED ON PLAN.

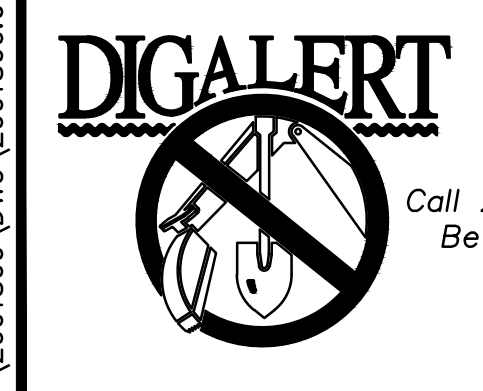
LEGEND

- PROPOSED AC PAVEMENT
- AC PAVEMENT GRIND AND CAP
- PROPOSED CONCRETE SIDEWALK
- CENTERLINE
- RIGHT OF WAY
- PROPERTY LINE
- (EX) OVERHEAD ELECTRIC EDISON
- (EX) SEWER MAIN LINE
- (EX) 2" GAS LINE
- (EX) WATER LINE
- EDGE OF DIRT ROAD
- (EX) TOPO
- POWER POLE
- ELECTRICAL VAULT
- WATER VALVE
- GAS VALVE
- SEWER MANHOLE
- FIREHYDRANT



PROPOSED CULVERT "B"

100% SUBMITTAL (NOT FOR CONSTRUCTION)

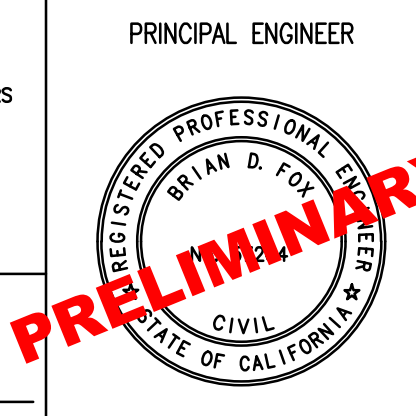


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ENGINEER		REVISIONS		



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CITY ENGINEER

CITY OF BEAUMONT, CALIFORNIA
IMPROVEMENT PLANS FOR:
2ND STREET
CULVERT CROSSING

SHEET
10
OF 10 SHEETS
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