



COUNTY OF IMPERIAL

ZENOS ROAD IMPROVEMENTS FROM STATE HIGHWAY ROUTE 115 TO MELON ROAD

COUNTY PROJECT No. 6509

GENERAL NOTES

STREET IMPROVEMENT GENERAL NOTES

- COUNTY ENCROACHMENT PERMIT CONDITIONS AND PROVISIONS SHALL TAKE PRECEDENCE OVER THE APPROVED PLANS AND SPECIFICATIONS FOR ANY CONFLICTS.
- THE STRUCTURAL SECTIONS SHALL BE IN ACCORDANCE WITH IMPERIAL COUNTY STANDARDS (OR CALTRANS IF IN STATE ROW) AND AS APPROVED BY THE PUBLIC WORKS DIRECTOR (OR CALTRANS).
- APPROVAL OF THESE IMPROVEMENT PLANS AS SHOWN DOES NOT CONSTITUTE APPROVAL OF ANY CONSTRUCTION OUTSIDE THE PROJECT BOUNDARY.
- ALL UNDERGROUND UTILITIES WITHIN THE STREET RIGHT-OF-WAY SHALL BE CONSTRUCTED, CONNECTED AND TESTED PRIOR TO CONSTRUCTION OF BERM, CURB, CROSS-GUTTER AND PAVING.
- THE EXISTENCE AND LOCATION OF EXISTING UNDERGROUND FACILITIES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO OTHER EXISTING FACILITIES EXCEPT AS SHOWN ON THESE PLANS. HOWEVER, THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT ANY EXISTING FACILITY SHOWN HEREON AND ANY OTHER WHICH IS NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
- LOCATION AND ELEVATIONS OF IMPROVEMENTS TO BE MET BY WORK TO BE DONE SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION OF NEW WORK. CONTRACTOR WILL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISION ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES.
- UTILITIES COORDINATION

NO LESS THAN 3 WORKING DAYS PRIOR TO ANY EXCAVATION OR TRENCHING, EACH CONTRACTOR DOING SUCH WORK SHALL CONTACT THE FOLLOWING AGENCIES SO THAT EXISTING UNDERGROUND UTILITIES MAY BE LOCATED. THE AGENCY MAY REQUIRE AN INSPECTOR TO BE PRESENT.

1. APPROPRIATE WATER/SEWER UTILITY	TO BE DETERMINED
2. IMPERIAL IRRIGATION DISTRICT (POWER)	(760) 339-9280
3. IMPERIAL IRRIGATION DISTRICT (WATER)	(760) 339-9263
4. AT&T	(800) 422-4133
5. THE GAS CO.	811
6. THE CABLE COMPANY	(760) 312-6512

EXISTING UNDERGROUND UTILITIES

BEFORE EXCAVATING FOR THIS CONTRACT, VERIFY LOCATION OF UNDERGROUND UTILITIES, THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS HAS BEEN OBTAINED FROM AVAILABLE RECORDS ONLY AND MAY NOT REFLECT ALL EXISTING UTILITIES. LOCATION OF ALL EXISTING UTILITIES SHALL BE CONFIRMED BY FIELD MEASUREMENTS BY CONTRACTOR PRIOR TO CONSTRUCTION OF WORK.

CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN HEREON AND ANY OTHER EXISTING LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

ACCURATE VERIFICATIONS AS TO SIZE, LOCATION AND DEPTH OF EXISTING UNDERGROUND SERVICES SHALL BE THE CONTRACTORS RESPONSIBILITY. THE CONTRACTOR SHALL NOTIFY THE SOUTHERN CALIFORNIA GAS COMPANY, SBC, IMPERIAL IRRIGATION DISTRICT AND ANY OTHER AFFECTED UTILITY AGENCIES PRIOR TO STARTING HIS WORK NEAR SUCH UTILITY FACILITIES AND SHALL COORDINATE HIS WORK WITH UTILITY REPRESENTATIVES. FOR LOCATION OF UNDERGROUND UTILITIES AND APPURTENANCES, CONTACT "UNDERGROUND SERVICE ALERT" AT 811.

- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE UTILITY AGENCIES, ADVISE THEM OF THE PROPOSED IMPROVEMENTS AND BEAR THE COST OF RELOCATIONS, IF NEEDED.
- CONSTRUCT A PUBLIC STREET LIGHT SYSTEM CONFORMING TO APPROPRIATE STANDARDS AND STREET LIGHT SPECIFICATIONS. POWER SOURCES AND RUNS SHALL BE SHOWN ON THE "AS-BUILT" IMPROVEMENT DRAWINGS. ALL POWER SOURCES SHALL BE LOCATED WITHIN THE DEDICATED RIGHT-OF-WAY OR EASEMENT.
- NO PAVING SHALL BE DONE UNTIL EXISTING POWER POLES ARE RELOCATED OUTSIDE THE AREAS TO BE PAVED.
- PRIVATE ROAD IMPROVEMENTS SHOWN HEREON ARE FOR INFORMATION ONLY. COUNTY OFFICIALS SIGNATURE HEREON DOES NOT CONSTITUTE APPROVAL OR RESPONSIBILITY OF ANY KIND FOR THE DESIGN OR CONSTRUCTION OF THESE PRIVATE IMPROVEMENTS.
- ALL SIGNS TO BE ALUMINUM WITH 3M HIGH INTENSITY TYPE REFLECTIVE FACE OR EQUIVALENT.
- CONTRACTOR WILL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY STRIPING, PAVEMENT MARKERS, OR LEGENDS OBLITERATED BY THE CONSTRUCTION OF THIS PROJECT.
- THE CONTRACTOR SHALL DO ALL NEW STRIPING AND SANDBLASTING OF REDUNDANT STRIPING.
- THE CONSTRUCTION OF ONE PCC STANDARD DRIVEWAY PER LOT, LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER OF WORK. PCC SURFACING OF DRIVEWAY TO EXTEND FROM CURB TO PROPERTY LINE UNLESS OTHERWISE SHOWN.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO SECURE AN ENCROACHMENT PERMIT FROM THE COUNTY OF IMPERIAL DEPARTMENT OF PUBLIC WORKS FOR ANY EXCAVATION OR CONSTRUCTION WITHIN COUNTY ROAD RIGHT-OF-WAY. FOR INSPECTIONS, 48 HOUR MINIMUM NOTICE IS REQUIRED, (442) 265-1818. ADDITIONALLY, UNDERGROUND SERVICE ALERT (USA) MUST BE CALLED TWO WORKING DAYS BEFORE THE CONTRACTOR MAY EXCAVATE. THEIR CONTACT NUMBER IS 811. ALL WORK AND MATERIALS ARE SUBJECT TO THE INSPECTION AND APPROVAL FROM THE COUNTY DEPARTMENT OF PUBLIC WORKS OR THEIR REPRESENTATIVE.

- NO REVISIONS OF ANY KIND SHALL BE MADE TO THESE PLANS WITHOUT THE PRIOR WRITTEN APPROVAL OF BOTH THE COUNTY ENGINEER (OR HIS REPRESENTATIVE) AND THE ENGINEER OF RECORD. A REPRODUCIBLE AS-BUILT PLAN SET WILL BE PROVIDED TO THE PUBLIC WORKS DEPARTMENT AS A CONDITION OF SUBSTANTIAL CONSTRUCTION COMPLETION AND PRIOR TO ACCEPTANCE.
- ALL WORK AND MATERIALS SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS, THE IMPERIAL COUNTY DEPARTMENT OF PUBLIC WORKS STANDARDS AND ENCROACHMENT PERMIT CONDITIONS, ANY REFERENCED STANDARDS AND SPECIFICATIONS AND THE SPECIFICATIONS & THE REQUIREMENTS OF THE AGENCIES REFERRED TO HEREIN. ALL WORK SHOWN OR INDICATED BY THESE PLANS SHALL BE COMPLETED IN ACCORDANCE WITH THE STANDARDS, POLICIES AND REGULATIONS OF IMPERIAL COUNTY; WHERE, OR IF, CONFLICTS OCCUR, THEN THE IMPERIAL COUNTY REQUIREMENTS SHALL GOVERN.
- UNLESS SPECIFICALLY INDICATED OTHERWISE METHODS EMPLOYED AND MATERIAL USED IN THE CONSTRUCTION OF ALL OFFSITE IMPROVEMENTS SHALL CONFORM TO THE APPLICABLE PROVISIONS OF THE "STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED MAY 2006". ALL WORK IS SUBJECT TO INSPECTION AND APPROVAL AS REQUIRED.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DIVISION OF SAFETY AND TO ADHERE TO ALL PROVISIONS OF THE STATE CONSTRUCTION SAFETY ORDERS AND STANDARDS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ADHERE FULLY WITH THE GENERAL CONSTRUCTION ACTIVITY STORM WATER PERMIT FROM THE STATE WATER RESOURCES CONTROL BOARD DIVISION OF WATER QUALITY. CONTACT "STATE WATER RESOURCES CONTROL BOARD, DIVISION OF WATER QUALITY, ATTENTION: STORM WATER PERMIT UNIT, P.O. BOX 1977, SACRAMENTO, CALIFORNIA, 95812".
- CONSTRUCTION PROJECTS DISTURBING 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, PREPARE A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND MONITORING PLAN FOR THE SITE.
- AS DETERMINED BY THE COUNTY PUBLIC WORKS DIRECTOR/ROAD COMMISSIONER, THE DEVELOPER IS RESPONSIBLE, AS A MINIMUM, FOR ROAD IMPROVEMENTS TO CENTERLINE, AND MAY BE REQUIRED TO RECONSTRUCT EXISTING PAVEMENT, INCLUDING BASE AND MATCHING OVERLAY REQUIRED TO MEET THE STRUCTURAL STANDARDS FOR THE CURRENT ASSIGNED TRAFFIC INDEX.
- EXISTING STORM DRAIN PIPES/CULVERTS WHETHER TO BE CONNECTED TO, EXTENDED, ADJUSTED, DRAINED TO, OR JUST IN PROJECT VICINITY SHALL BE REPAIRED AND/OR CLEANED TO MAKE THEM FUNCTIONAL AND ACCEPTABLE AS DIRECTED BY THE PUBLIC WORKS DIRECTOR.
- TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE CURRENT WORK AREA TRAFFIC CONTROL HANDBOOK OR AS DIRECTED BY THE IMPERIAL COUNTY TRAFFIC ENGINEER.
- ANY EXISTING SURVEY MONUMENTS OR COUNTY RECOGNIZED BENCHMARKS SHALL BE PROTECTED BY THE CONTRACTOR AT ALL TIMES PRIOR TO COMMENCEMENT DURING CONSTRUCTION ACTIVITIES. SHOULD ANY SUCH MONUMENTS OR BENCHMARKS BE REMOVED, DAMAGED, OBLITERATED OR ALTERED BY THE CONTRACTORS OPERATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER RESETTING OF THE SAME AS PER THE SUBDIVISION MAP ACT, THE PROFESSIONAL LAND SURVEYORS ACT AND TO THE SATISFACTION OF THE COUNTY SURVEYOR/DIRECTOR OF PUBLIC WORKS. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENTATION BY A LICENSED LAND SURVEYOR OR A REGISTERED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING. A CORNER RECORD OR RECORD OF SURVEY AS APPROPRIATE SHALL BE FILED TO THE COUNTY SURVEYOR'S OFFICE BY THE LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER.
- DUST SHALL BE CONTROLLED BY THE CONTRACTOR IN ACCORDANCE WITH ALL IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT (APCD) FUGITIVE DUST CONTROL RULES AND REGULATIONS AND SHALL COMPLY WITH THEIR PERMITTING REQUIREMENTS, IF APPLICABLE.

SHOULDER AND DIRT ACCESS GRADING GENERAL NOTES

- APPROVAL OF THESE GRADING PLANS DOES NOT CONSTITUTE APPROVAL OF VERTICAL OR HORIZONTAL ALIGNMENT OF ANY PRIVATE ROAD SHOWN HEREON FOR COUNTY ROAD PURPOSES.
- FINAL APPROVAL OF THESE GRADING PLANS SUBJECT TO FINAL APPROVAL OF THE ASSOCIATED IMPROVEMENT PLANS WHERE APPLICABLE. FINAL CURB GRADE ELEVATIONS MAY REQUIRE CHANGES IN THESE PLANS.
- IMPORT MATERIAL SHALL BE OBTAINED FROM A LEGAL SITE.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO SECURE AN ENCROACHMENT PERMIT FROM THE COUNTY OF IMPERIAL DEPARTMENT OF PUBLIC WORKS FOR ANY EXCAVATION OR CONSTRUCTION WITHIN COUNTY ROAD RIGHT-OF-WAY. FOR INSPECTIONS, 48 HOUR MINIMUM NOTICE IS REQUIRED, (760) 482-4462. ADDITIONALLY, UNDERGROUND SERVICE ALERT (USA) MUST BE CALLED TWO WORKING DAYS BEFORE THE CONTRACTOR MAY EXCAVATE. THEIR CONTACT NUMBER IS 811. ALL WORK AND MATERIALS ARE SUBJECT TO THE INSPECTION AND APPROVAL OF THE COUNTY DEPARTMENT OF PUBLIC WORKS.
- THE CONTRACTOR SHALL VERIFY THE EXISTENCE AND LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK. NOTICE OF PROPOSED WORK SHALL BE GIVEN TO THE FOLLOWING AGENCIES:

GAS:	TELEPHONE NO.	811
IID POWER:	(760) 339-9280	
IID WATER:	(760) 339-9263	
AT&T TELEPHONE:	(800) 422-4133	
CATV:	(760) 312-6512	
SEWER AGENCY:	TO BE DETERMINED	
WATER AGENCY:	TO BE DETERMINED	
TIME WARNER COMM.	TO BE DETERMINED	
- A SOILS REPORT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A BUILDING PERMIT AND/OR GRADING PLAN APPROVAL.

- APPROVAL OF THESE PLANS BY THE DIRECTOR OF PUBLIC WORKS DOES NOT AUTHORIZE ANY WORK OR GRADING TO BE PERFORMED UNTIL THE PROPERTY OWNER'S PERMISSION HAS BEEN OBTAINED AND VALID GRADING PERMIT HAS BEEN ISSUED BY THE COUNTY PLANNING DEPARTMENT.
- THE DIRECTOR OF PUBLIC WORKS' APPROVAL OF THESE PLANS DOES NOT CONSTITUTE COUNTY BUILDING OFFICIAL APPROVAL OF ANY FOUNDATION FOR STRUCTURES TO BE PLACED ON THE ITEMS COVERED BY THESE PLANS, INCLUDING ANY ON-SITE OR PERIMETER SCREEN OR RETAINING WALLS.
- ALL MAJOR SLOPES SHALL BE ROUNDED INTO EXISTING TERRAIN TO PRODUCE A CONTOURED TRANSITION FROM CUT OR FILL FACES TO NATURAL GROUND AND ABUTTING CUT OR FILL SURFACES.
- NOTWITHSTANDING THE MINIMUM STANDARDS SET FORTH IN THE GRADING ORDINANCE AND NOTWITHSTANDING THE APPROVAL OF THESE GRADING PLANS, THE PERMITTEE IS RESPONSIBLE FOR THE PREVENTION OF DAMAGE TO ADJACENT PROPERTY. NO PERSON SHALL EXCAVATE OR LAND SO CLOSE TO THE PROPERTY LINE AS TO ENDANGER ANY SUCH PROPERTY FROM SETTLING, CRACKING, EROSION, SILTING, SCOUR OR OTHER DAMAGE, WHICH MIGHT RESULT FROM THE GRADING DESCRIBED ON THE PLAN. THE COUNTY WILL HOLD THE PERMITTEE RESPONSIBLE FOR CORRECTION OF NON-DEDICATED IMPROVEMENTS WHICH DAMAGE ADJACENT PROPERTY.
- SPECIAL CONDITION: IF ANY ARCHEOLOGICAL RESOURCES ARE DISCOVERED ON THE SITE OF THIS GRADING OPERATION, SUCH OPERATION WILL CEASE IMMEDIATELY AND THE PERMITTEE WILL NOTIFY THE DIRECTOR OF THE PLANNING DEPARTMENT AND THE DISCOVERY. GRADING OPERATION WILL NOT RECOMMENCE UNTIL THE PERMITTEE HAS RECEIVED WRITTEN AUTHORITY FROM THE DIRECTOR OF PLANNING TO DO SO.
- THE CONSTRUCTION OF ONE PCC STANDARD DRIVEWAY PER LOT, LOCATION TO BE DETERMINED IN THE FIELD BY ENGINEER OF WORK AND APPROVED BY COUNTY PUBLIC WORKS INSPECTOR. PCC SURFACING OF DRIVEWAY TO EXTEND FROM CURB TO PROPERTY LINE.
- ALL GRADING SHALL CONFORM TO THE UNIFORM BUILDING CODE APPENDIX CHAP. 33, AS AMENDED BY TITLE 9 LAND USE ORDINANCE.
- ALL PROPERTY CORNERS SHALL BE CLEARLY DELINEATED IN THE FIELD PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION AND/OR GRADING.
- DURING ROUGH GRADING OPERATIONS AND PRIOR TO THE CONSTRUCTION OF ANY PERMANENT DRAINAGE STRUCTURES, TEMPORARY DRAINAGE CONTROL SHALL BE PROVIDED TO PREVENT PONDING WATER AND DAMAGE TO CONTIGUOUS PROPERTIES.
- DUST SHALL BE CONTROLLED IN ACCORDANCE WITH THE APPROVED PM10 PLAN. APPROVAL SHALL BE BY IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT.
- NO FILL SHALL BE PLACED ON EXISTING GROUND UNTIL THE EXISTING GROUND HAS BEEN CLEARED OF WEEDS, DEBRIS, TOPSOIL AND OTHER DELETERIOUS MATERIAL.
- THE MAXIMUM ALLOWABLE CUT AND FILL SLOPES ARE 2:1, UNLESS A SLOPE STABILITY ANALYSIS AUTHORIZES A STEEPER SLOPE AND HAS BEEN APPROVED.
- A 5' WIDE BY 1' HIGH BERM, OR EQUIVALENT, SHALL BE CONSTRUCTED ALONG THE TOP OF ALL FILL SLOPES OVER 5' IN VERTICAL HEIGHT. ALL SLOPES LESS THAN OR EQUAL TO 5' SHALL HAVE A BERM TO PREVENT DRAINAGE FROM ERODING SAME.
- A BROW DITCH DESIGNED TO HANDLE THE FLOWS (Q) FROM A 100-YR. STORM EVENT SHALL BE CONSTRUCTED ALONG THE TOP OF ALL CUT SLOPES.
- NO OBSTRUCTION OF FLOOD PLAINS OR NATURAL WATER COURSES WILL BE PERMITTED.
- ALL EXISTING DRAINAGE COURSES ON THE PROJECT SITE MUST CONTINUE TO FUNCTION DURING STORM CONDITIONS. PROTECTIVE MEASURES AND TEMPORARY DRAINAGE PROVISIONS MUST BE USED TO PROTECT CONTIGUOUS PROPERTIES DURING GRADING OPERATIONS.
- THE FINISHED GRADE SHALL BE SLOPED AWAY FROM ALL EXTERIOR BUILDING WALLS AT NOT LESS THAN 4% (1/2" PER FOOT) FOR A MINIMUM OF 3 FEET, UNLESS A SOIL REPORT PROVIDES ALTERNATE RECOMMENDATIONS.
- A SUITABLY QUALIFIED AND REGISTERED PROFESSIONAL SHALL SUBMIT A WRITTEN CERTIFICATION TO THE PUBLIC WORKS DEPARTMENT THAT THE FINAL GRADING HAS BEEN COMPLETED IN ACCORDANCE WITH THE APPROVED PLANS FOR ALL GRADING DESIGNATED AS "ENGINEERED GRADING". AS-BUILT PLANS SHALL BE PROVIDED PRIOR TO FINAL ACCEPTANCE.
- THE CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS DEPARTMENT AT LEAST 48 HOURS IN ADVANCE OF REQUESTING A FINISH LOT GRADE AND DRAINAGE INSPECTION. THIS INSPECTION MUST BE APPROVED PRIOR TO THE BUILDING PERMIT FINAL INSPECTION BY PUBLIC WORKS FOR EACH LOT.
- THE CONTRACTOR SHALL NOTIFY "UNDERGROUND SERVICE ALERT" AT 811 A MINIMUM OF TWO DAYS PRIOR TO THE COMMENCEMENT OF ANY DIGGING OR EXCAVATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY SURVEY MONUMENTS, CORNER ACCESSORIES AND/OR BENCHMARKS WITHIN THE LIMITS OF WORK. IN ACCORDANCE WITH THE PROFESSIONAL LAND SURVEYORS' ACT (CHAPTER 15 OF THE CALIFORNIA BUSINESS AND PROFESSIONS CODE), SUCH OBJECTS WITHIN THE LIMITS OF WORK THAT MAY BE DISTURBED OR DESTROYED BY CONSTRUCTION SHALL BE REFERENCED BY A PERSON AUTHORIZED TO PRACTICE LAND SURVEYING AND A CORNER RECORD (OR RECORD OF SURVEY) SHOWING SAID REFERENCES SHALL BE FILED WITH THE COUNTY SURVEYOR PRIOR TO CONSTRUCTION. ANY MONUMENT, CORNER ACCESSORY, OR BENCHMARK THAT IS DISTURBED OR DESTROYED BY CONSTRUCTION SHALL BE REPLACED WITH APPROPRIATE MONUMENTATION BY A PERSON AUTHORIZED TO PRACTICE LAND SURVEYING AND A CORNER RECORD (OR RECORD OF SURVEY) SHALL BE FILED TO THE COUNTY SURVEYOR'S OFFICE PRIOR TO PROJECT COMPLETION. FORM MPR-01 AND FORM MPR-02 ARE REQUIRED FOR ALL IMPERIAL COUNTY PROJECTS.

SYMBOLS

ITEM NO.	ITEM	SYMBOL
1.	EDGE OF EXISTING PAVEMENT	---
2.	CENTERLINE/BASELINE	---
3.	RIGHT OF WAY	R/W
4.	FENCE	x x x x x x x
5.	OVERHEAD ELECTRICAL LINES	OHE
6.	POWER POLE OR TELEPHONE POLE	○
7.	SIGN	○
8.	EXISTING TREES	○
9.	EXISTING A.C. PAVEMENT	▨
10.	NEW A.C. PAVEMENT	▨
11.	NEW CLASS 2 BASE	▨
12.	EXISTING SPOT ELEVATION	895.9
13.	EXISTING AC MATCH ELEVATION	(853.75)
14.	PROPOSED ELEVATION	894.00
15.	EXISTING MANHOLE	⊗
16.	PROPOSED SAWCUT LINE	---
17.	APPROXIMATE PROPERTY LINE	---
18.	EXISTING WATER LINE	W—W
19.	EXISTING WATER METER	⊞
20.	EXISTING SEWER LINE	S—S
21.	EXISTING GAS LINE	G—G
22.	EXISTING TELEPHONE LINE	T—T
23.	EXISTING WATER VALVE	⊗
24.	EXISTING POWER POLE	⊞
25.	EXISTING SURVEY MONUMENT	⊗

GEOTECHNICAL REPORT

A SOILS REPORT APPLICABLE TO THIS PROJECT HAS BEEN PREPARED BY LANDMARK CONSULTANTS, INC. DATED AUGUST 27, 2021 LCI PROJECT No. L221147, PREPARED BY JULIAN R. AVALOS, REGISTERED GEOTECHNICAL ENGINEER No. 3,164 AND PETER E. LABRUCHERIE, REGISTERED CIVIL ENGINEER No. 84,812 A COPY OF SAID REPORT ON FILE IN THE OFFICE OF THE COUNTY ENGINEER.

CONSTRUCTION BASELINE

THE CONSTRUCTION BASELINE FOR THIS PROJECT SHALL BE A SURVEY CONTROL LINE ESTABLISHED ALONG THE PHYSICAL CENTERLINE ALONG ZENOS ROAD IN ACCORDANCE WITH BASELINE LAYOUT AND CONSTRUCTION BASELINE DATA TABLE AS SHOWN ON SHEET 2 OF 9.

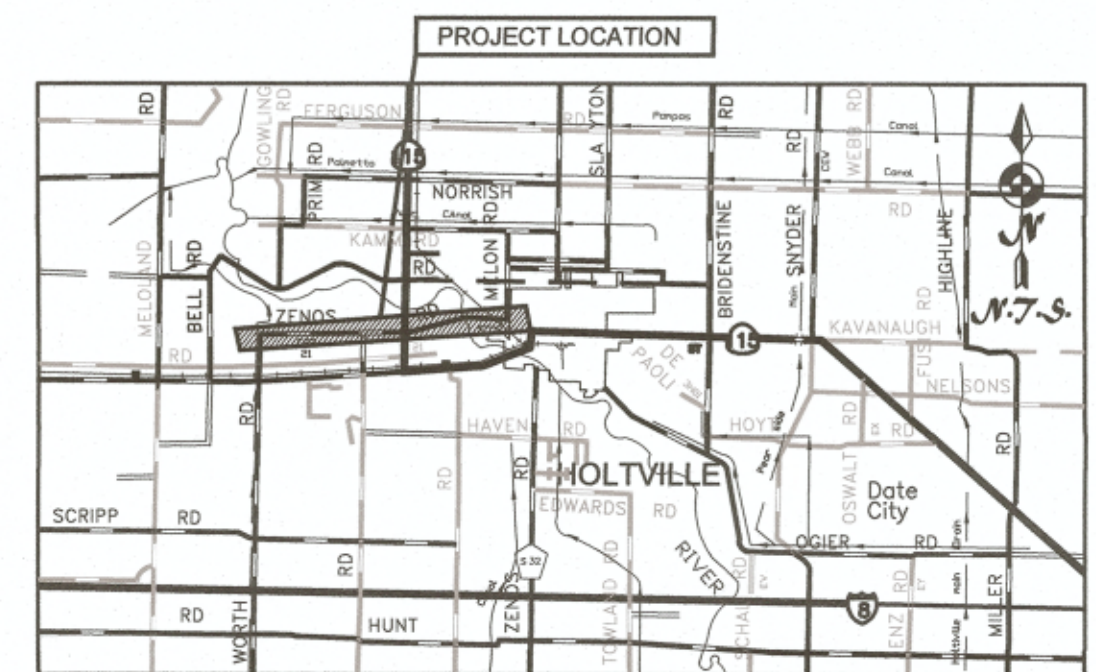
BASIS OF COORDINATES

SEE SHEET 2 FOR PROJECT BASIS OF COORDINATES. THE BASIS OF BEARING WILL CONSIST OF THE MEASURED BEARING BETWEEN FIRST ORDER STATION HOTVILLE 2 RM 5 AND FIRST ORDER STATION J 60, AS SAID STATIONS ARE PUBLISHED BY THE NATIONAL GEODETIC SURVEY DATABASE. (I.E. N 80°12'21" W)

BENCHMARK

BENCHMARK DISK STAMPED "J 60 1927" IN THE TOP OF A SQUARE CONCRETE MONUMENT, PER NGS DATA SHEET.
ELEV = -11.26 + 1000 = 988.74

VICINITY MAP



SHEET INDEX

- TITLE SHEET
- CONSTRUCTION BASE LINE ZENOS ROAD FROM STA 10+00 TO STA 65+00
- EXISTING CONDITIONS AND ROAD IMPROVEMENTS ZENOS ROAD FROM STA 10+00 TO STA 30+00
- EXISTING CONDITIONS AND ROAD IMPROVEMENTS ZENOS ROAD FROM STA 30+00 TO STA 50+00
- EXISTING CONDITIONS AND ROAD IMPROVEMENTS ZENOS ROAD FROM STA 50+00 TO STA 65+00
- TRAFFIC CONTROL AND STRIPING
- DETAILS AND CROSS SECTIONS
- STRIPING AND SIGNAGE PLAN ZENOS ROAD FROM STA 10+00 TO STA 65+00
- EROSION CONTROL PLAN ZENOS ROAD FROM STA 10+00 TO STA 65+00

ABBREVIATIONS

A.C.	ASPHALT CONCRETE	MH	MAN HOLE
APP.L.	APPROXIMATE LOCATION	N.T.S.	NOT TO SCALE
B.C.	BEGINNING OF CURVE RADIUS	OHE	OVERHEAD ELECTRICAL LINE
BLDG.	BUILDING	%	PERCENT
Q	CENTERLINE	P.P.	POWER POLE
DIA.	DIAMETER	P.C.R.	POINT OF CURB RETURN
DWY	DRIVEWAY	PRW	PRESCRIPTIVE RIGHT-OF-WAY
Δ	DELTA	R	RADIUS
E.P.	EDGE OF PAVEMENT	R & R	REMOVE AND RELOCATE
EL.	ELEVATION	R/W	RIGHT-OF-WAY
E.C.	END OF CURVE RADIUS	SD	STORM DRAIN
E	FLOWLINE	TOP	TOP OF PIPE
FF	FINISH FLOOR	TC	TOP OF CURB
FS	FINISH SURFACE	T.P.	TOP OF PAVEMENT



REVISION	DATE	COMMENTS
1	07/22/22	PER I.C. DEPARTMENT OF PUBLIC WORKS PLAN CHECK EMAIL - AG & FF
2	01/04/23	PER I.C. DEPARTMENT OF PUBLIC WORKS PLAN CHECK EMAIL - AG & FF
3	02/03/23	PER I.C. DEPARTMENT OF PUBLIC WORKS PLAN CHECK EMAIL - AG



PREPARED UNDER THE DIRECT SUPERVISION OF:
MAURICIO LAM, P.E. 57392 R.C.E. No.
02-09-23 DATE 12/31/23 REG. EXP.



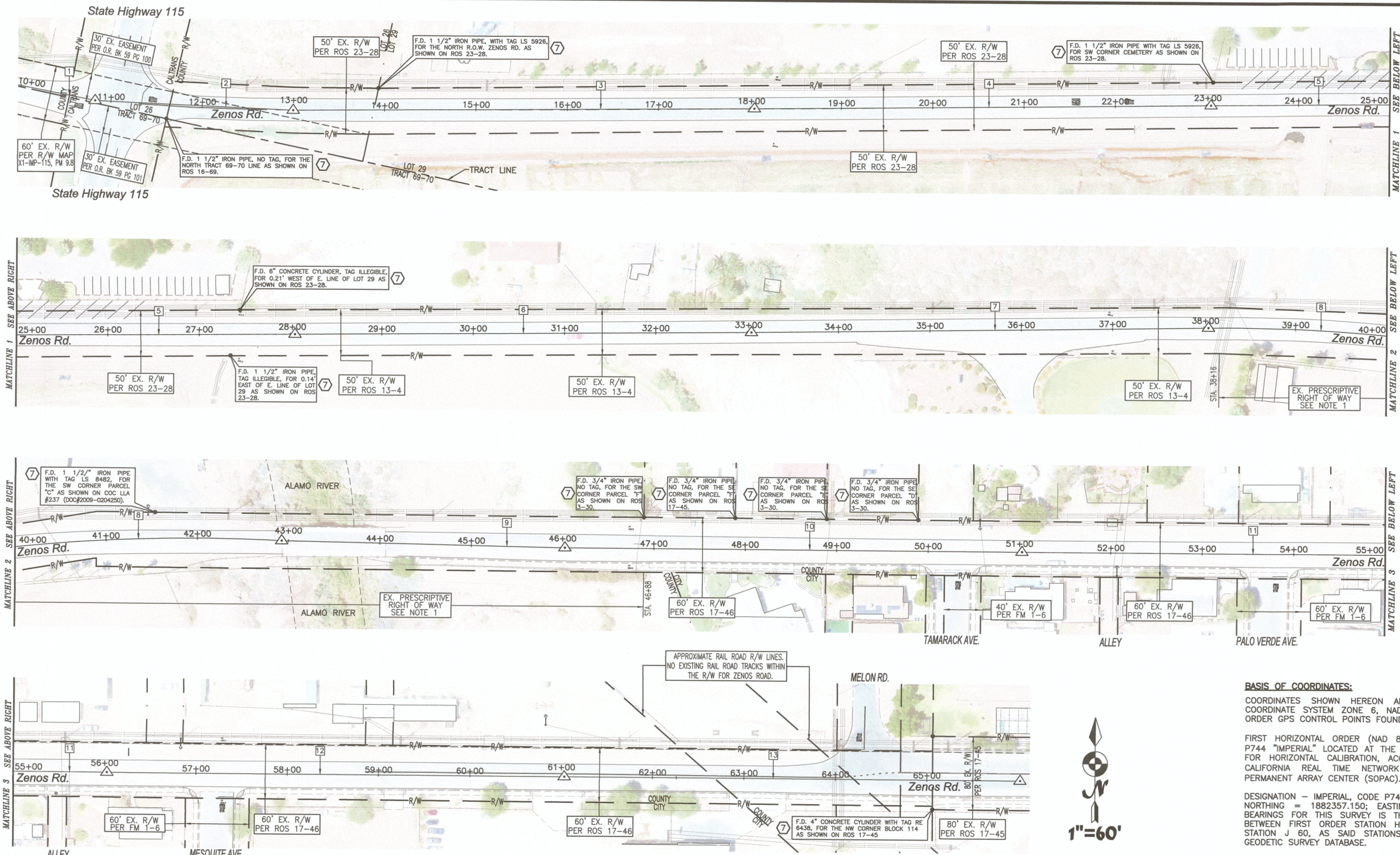
COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
APPROVED FOR CONSTRUCTION BY:
John Gay 62028 R.C.E. No.
JOHN A. GAY, P.E. DIRECTOR OF PUBLIC WORKS
2/14/23 DATE 9/30/23 REG. EXP.



DATE 02/07/23
DRAWN STAFF
SCALE N/A
CHECKED LAM

PROJECT TITLE
ZENOS ROAD IMPROVEMENTS
FROM STATE HIGHWAY ROUTE 115 TO MELON ROAD
COUNTY PROJECT No. 6509

TITLE SHEET
REFERENCE R-1001
SHEET 1 OF 9



ZENOS ROAD PLAN VIEW
STA. 10+00 TO STA. 65+00

CONSTRUCTION BASELINE DATA TABLE:

CB SEGMENT #	STA. (FROM/TO)	RADIUS	BERING/DELTA	LENGTH	NORTHING	EASTING	CB SEGMENT #	STA. (FROM/TO)	RADIUS	BERING/DELTA	LENGTH	NORTHING	EASTING
1	7+04.04	---	N 88°40'38" E	378.59'	1875924.536	6820548.882	8	38+04.90	1,872.30'	14°55'17" W	487.60'	1876531.430	6823582.818
	10+82.63				1875933.275	6820927.373		42+92.50				1876578.194	6824066.787
	13+00.00				1875970.640	6821141.508		46+02.46				1876576.772	6824376.740
2	13+00.00	---	N 80°06'07" E	217.37'	1875970.640	6821141.508	9	42+92.50	---	S 89°44'14" E	309.96'	1876578.194	6824066.787
	18+04.79				1876082.621	6821633.719		46+02.46				1876576.772	6824376.740
	18+04.79				1876082.621	6821633.719		51+02.81				1876582.253	6824877.056
3	18+04.79	---	N 77°10'59" E	504.79'	1876082.621	6821633.719	10	51+02.81	---	N 89°22'20" E	500.35'	1876582.253	6824877.056
	23+04.75				1876195.195	6822120.843		51+02.81				1876582.253	6824877.056
	23+04.75				1876195.195	6822120.843		56+02.50				1876587.671	6825376.714
4	23+04.75	---	N 76°59'15" E	499.96'	1876195.195	6822120.843	11	56+02.50	---	N 89°22'43" E	499.69'	1876587.671	6825376.714
	28+05.03				1876306.403	6822608.603		61+03.17				1876593.299	6825877.349
	28+05.03				1876306.403	6822608.603		66+02.19				1876598.816	6826376.340
5	28+05.03	---	N 77°09'23" E	500.28'	1876306.403	6822608.603	12	61+03.17	---	N 89°21'21" E	500.67'	1876593.299	6825877.349
	33+04.63				1876417.430	6823095.706		66+02.19				1876598.816	6826376.340
	33+04.63				1876417.430	6823095.706							
6	38+04.90	---	N 76°49'41" E	500.27'	1876531.430	6823582.818	13	66+02.19	---				
NOTE: A P.K. NAIL HAS BEEN PHYSICALLY SET ON THE PAVED SURFACE AT THE BEGINNING AND ENDING OF EACH CONSTRUCTION BASE (CB) SEGMENT ABOVE SHOWN.													

NOTE: A P.K. NAIL HAS BEEN PHYSICALLY SET ON THE PAVED SURFACE AT THE BEGINNING AND ENDING OF EACH CONSTRUCTION BASE (CB) SEGMENT ABOVE SHOWN.

LEGEND

△ SET P.K. NAIL FLUSH WITH A.C. AT BEGINNING AND END OF EACH CONSTRUCTION BASE SEGMENT NOTED ON THE CONSTRUCTION BASELINE DATA TABLE ON THIS SHEET

CONSTRUCTION KEYNOTE

△ PROTECT EXISTING SURVEY MONUMENT. REFER TO "NOTE 26" FROM "STREET IMPROVEMENT GENERAL NOTES" AND "NOTE 27" FROM "SHOULDER AND DIRT ACCESS GRADING GENERAL NOTES" AS NOTED ON SHEET 1.

BASIS OF COORDINATES:

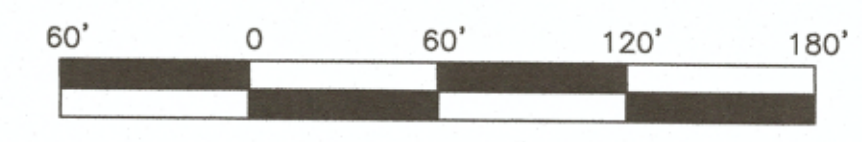
COORDINATES SHOWN HEREON ARE IN TERMS OF THE CALIFORNIA COORDINATE SYSTEM ZONE 6, NAD83, EPOCH 2017.50. EXISTING FIRST ORDER GPS CONTROL POINTS FOUND AND USED TO CONSTRAIN NETWORK.

FIRST HORIZONTAL ORDER (NAD 83) REPEATER STATION IDENTIFIED AS P744 "IMPERIAL" LOCATED AT THE IMPERIAL VALLEY COLLEGE WAS USED FOR HORIZONTAL CALIBRATION, ACCORDING TO PUBLICATION FROM THE CALIFORNIA REAL TIME NETWORK (CRTN) AT SCRIPPS ORBIT AND PERMANENT ARRAY CENTER (SOPAC).

DESIGNATION - IMPERIAL, CODE P744
NORTHING = 1882357.150; EASTING = 6789479.904 THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CCS 83, ZONE 6, GRID BEARING BETWEEN FIRST ORDER STATION HOTVILLE 2 RM 5 AND FIRST ORDER STATION J 60, AS SAID STATIONS ARE PUBLISHED BY THE NATIONAL GEODETIC SURVEY DATABASE.

I.E. N 80°12'21" W

QUOTED BEARINGS FROM REFERENCED MAPS/DEEDS MAY OR MAY NOT BE IN TERMS OF SAID SYSTEM.



DIGALERT

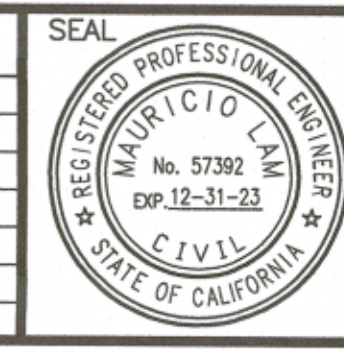
DIAL BEFORE YOU DIG

TWO WORKING DAYS BEFORE YOU DIG

TOLL FREE 811

A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

REVISION	DATE	COMMENTS
1	07/22/22	PER I.C. DEPARTMENT OF PUBLIC WORKS PLAN CHECK EMAIL - AG & FF
2	01/04/23	PER I.C. DEPARTMENT OF PUBLIC WORKS PLAN CHECK EMAIL - AG & FF
3	02/03/23	PER I.C. DEPARTMENT OF PUBLIC WORKS PLAN CHECK EMAIL - AG

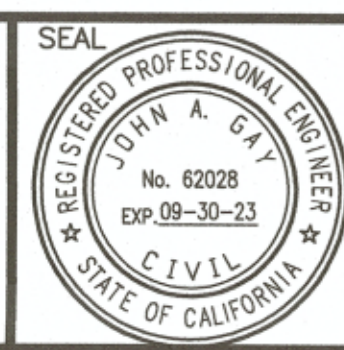


PREPARED UNDER THE DIRECT SUPERVISION OF:

MAURICIO LAM, P.E.

57392 R.C.E. No.

12/31/23 REG. EXP.



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT

APPROVED FOR CONSTRUCTION BY:

John A. Gay

JOHN A. GAY, P.E.

DIRECTOR OF PUBLIC WORKS

2/14/23 DATE

62028 R.C.E. No.

9/30/23 REG. EXP.



DATE 02/07/23

DRAWN STAFF

SCALE N/A

CHECKED LAM

PROJECT TITLE

ZENOS ROAD IMPROVEMENTS

FROM STATE HIGHWAY ROUTE 115 TO MELON ROAD

COUNTY PROJECT No. 6509

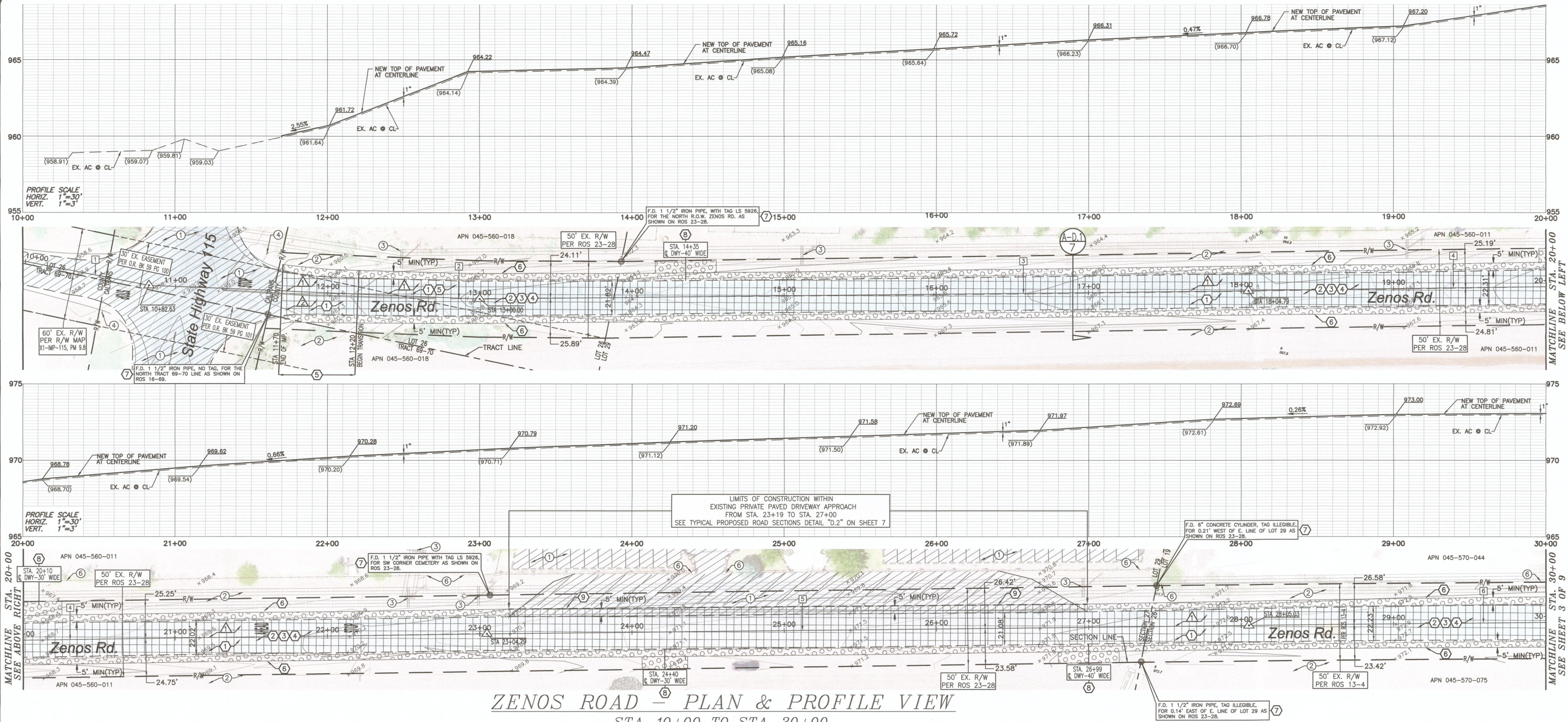
CONSTRUCTION BASE LINE PLAN

ZENOS ROAD

REFERENCE R-1001

SHEET 2 OF 9

L:\Projects\2021\121002-00 (COUNTY OF IMP-REHABILITATION Orchard Rd + ZENOS RS Project)\ZENOS RD\Improvement\CAD\21002-00_MSTR1.dwg 02/09/2023 11:01



ZENOS ROAD - PLAN & PROFILE VIEW

STA. 10+00 TO STA. 30+00

CONSTRUCTION KEYNOTES

- PREPARE, CLEAN, AND SEAL ALL CRACKS WIDER THAN 1/4 INCH WITH DEERY 200 CRACK SEALANT OR APPROVED EQUAL PER MANUFACTURER'S RECOMMENDATIONS. (WORK TO BE CONDUCTED AFTER (1) AND BEFORE (2)).
- CONSTRUCT A 1 INCH THICK LEVELING COURSE WITH 1/2 INCH HMA TYPE A OR EQUAL TO PROVIDE A SMOOTH AND UNIFORM SURFACE TO RECEIVE THE GLASPAVE 50 PAVING MAT OR EQUAL.
- INSTALL A TENSAR GLASPAVE 50 PAVING MAT OR APPROVED EQUAL OVER THE 1 INCH LEVELING COURSE PER MANUFACTURER'S RECOMMENDATIONS.
- CONSTRUCT A 3 INCH THICK A.C. OVERLAY WITH 3/4\" HMA TYPE A OR APPROVED EQUAL. CONTRACTOR SHALL PREPARE THE SURFACE PRIOR TO THE INSTALLATION OF THE A.C. OVERLAY FOLLOWING THE PREPARATORY MEASURES AS RECOMMENDED BY THE MANUFACTURER OF THE TENSAR GLASPAVE 50 PAVING MAT.
- CONSTRUCT A LONGITUDINAL HEADER CUT TRANSITION PER DETAIL (E) OR TO THE LENGTH NOTED ON THE PLANS.
- CONSTRUCT 4 INCH THICK MINIMUM SHOULDER BACKING WITH CLASS II AGGREGATE BASE MATERIAL. THE SHOULDER BACKING SHALL EXTEND AWAY FROM THE TOP OF THE EDGE OF PAVEMENT FOR A DISTANCE OF 5 FEET AND A SLOPE OF 2% DOWNWARDS. THE EDGE OF THE BACKING CAN THEN PROJECT DOWNWARDS TO MATCH EXISTING GRADE AT A 2:1 (H:V) RATE. FOR COMPACTION, THE CONTRACTOR SHALL MOISTEN THE MATERIAL AND RUN 2 PASSES MINIMUM WITH A ROLLER COMPACTOR.
- PROTECT EXISTING SURVEY MONUMENT. REFER TO "NOTE 26" FROM "STREET IMPROVEMENT GENERAL NOTES" AND "NOTE 27" FROM "SHOULDER AND DIRT ACCESS GRADING GENERAL NOTES" AS NOTED ON SHEET 1.
- EXTEND THE NEW SHOULDER BACKING AT EXISTING ACCESS DRIVEWAY LOCATIONS TO MATCH THE EXISTING GROUND AT RIGHT OF WAY LINE FROM THE EDGE OF THE BACKING, SUBGRADE AT THIS LOCATION SHALL BE SCARIFIED, GRADED AND COMPACTED TO 95% OF MAX. DENS. PER ASTM D-1557. PRIOR TO RECEIVE THE CLASS II AGG. BASE LAYER. THIS ITEM WILL BE PAID BASED ON AREA OF CONSTRUCTION OF A UNIFORM 9 INCH THICK COMPACTED LAYER OF CLASS II AGGREGATE BASE MATERIAL. REFER TO THE WIDTH FOR EACH DRIVEWAY NOTED ON THE PLANS. THE STRUCTURAL SECTION AND THE GEOMETRY OF THE APPROACH TO THE EXISTING ROAD AND NEW SHOULDER SHALL BE PER IMPERIAL COUNTY STA. DRAWING 410C.

- CONSTRUCT A COLD PLANE DETAIL ALONG THE MATCHLINE ALIGNMENT WITH THE EXISTING PAVED DRIVEWAY PER DETAIL (F)

DEMOLITION KEYNOTES:

- CONSTRUCT A 3 INCH DEEP COLD PLANING OVER THE EXISTING PAVED SECTION, SWEEP PLANNED SURFACE TO RECEIVE CRACK TREATMENT, LEVELING COURSE, PAVING MAT AND OVERLAY PER PLANS AND SPECIFICATIONS.
- COLD PLANE EXISTING A.C. PAVEMENT PER DETAIL (E)

EXISTING KEYNOTES:

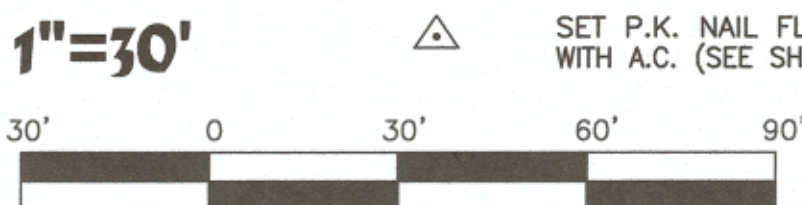
- EXISTING A.C. PAVEMENT TO REMAIN
- EXISTING NATIVE MATERIAL TO REMAIN
- EXISTING POWER POLE TO REMAIN
- EXISTING SIGN TO REMAIN
- EXISTING CONCRETE AREA TO REMAIN
- EXISTING FENCE TO REMAIN
- EXISTING P.C.C. C&G TO REMAIN
- EXISTING P.C.C. DRIVEWAY TO REMAIN

CONSTRUCTION BASELINE KEYNOTE:

- SEE "CONSTRUCTION BASELINE DATA TABLE" ON SHEET 2

LEGEND

- NEW AC PAVEMENT OVERLAY OVER A COLD PLANNED SURFACE
- EXIST. AC PAVEMENT
- CLASS 2 AGG. BASE SHOULDER BACKING
- COUNTY OF IMPERIAL ROAD RIGHT OF WAY
- TRACT LINE
- EXISTING PHYSICAL ROAD CENTERLINE
- F.D. SURVEY MONUMENT AS NOTED.
- SET P.K. NAIL FLUSH WITH A.C. (SEE SHEET 2)



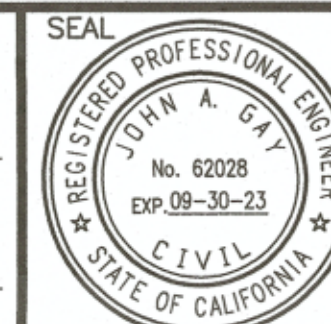
NOTES:

- CONTRACTOR SHALL SWEEP THE ENTIRE SECTION OF THE EXISTING PAVED ROAD AND EXPOSE THE EXISTING EDGES OF PAVEMENT WHICH WILL DELINEATE THE LIMITS OF THE PAVEMENT IMPROVEMENTS. SWEEPING OF THE ROAD SEGMENT TO BE IMPROVED SHALL BE CONDUCTED PRIOR TO COMMENCEMENT OF THE GRINDING ACTIVITIES AND AIR POLLUTION CONTROL MEASURES SHALL BE IMPLEMENTED AT ALL TIMES TO MAINTAIN ACCEPTABLE AIR QUALITY PER COUNTY OF IMPERIAL STANDARDS.
- CONTRACTOR SHALL SUBMIT TO THE COUNTY OF IMPERIAL DEPARTMENT OF PUBLIC WORKS ALL TECHNICAL DOCUMENTATION FOR ALL CONSTRUCTION PRODUCTS TO BE USED DURING CONSTRUCTION FOR REVIEW AND APPROVAL PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY.
- CONTRACTOR SHALL PROTECT AT ALL TIMES DURING CONSTRUCTION EXISTING SURVEY MARKERS WITHIN THE PROJECT AREA. CONTRACTOR SHALL COORDINATE WITH THE SURVEY DEPARTMENT OF IMPERIAL COUNTY IF EXISTING SURVEY MONUMENTS WILL NEED TO BE REMOVED AND REPLACED. REPLACEMENT OF MONUMENTS SHALL BE IN NATURE AND FORM AS REQUIRED BY THE COUNTY OF IMPERIAL. CONTRACTOR SHALL HIRE A PROFESSIONAL LAND SURVEYOR TO TIE AND SURVEY ANY MONUMENT SUBJECT TO BE REPLACED.
- CONTRACTOR IS RESPONSIBLE TO INVESTIGATE AND FIELD MARK THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES WITHIN THE PROJECT SITE BY MEANS OF RECORD DOCUMENTS, CALLING 811, POT-HOLING OF UTILITIES IF NECESSARY PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY, AND PROTECT THEM AT ALL TIMES DURING CONSTRUCTION.
- PROJECT SPECIFICATIONS SHALL GOVERN SHOULD A CONFLICT EXIST BETWEEN THESE PLANS AND THE PROJECT SPECIFICATIONS.
- WHERE REQUIRED, THE LIMITS OF CONSTRUCTION SHALL BE LOCATED AT THE PROJECT SITE BY THE DESIGNATED RESIDENT ENGINEER FOR THIS PROJECT.

REVISION	DATE	COMMENTS
1	07/22/22	PER I.C. DEPARTMENT OF PUBLIC WORKS PLAN CHECK EMAIL - AG & FF
2	01/04/23	PER I.C. DEPARTMENT OF PUBLIC WORKS PLAN CHECK EMAIL - AG & FF
3	02/03/23	PER I.C. DEPARTMENT OF PUBLIC WORKS PLAN CHECK EMAIL - AG



PREPARED UNDER THE DIRECT SUPERVISION OF:
MAURICIO LAM, P.E.
57392
R.C.E. No.
12/31/23
REG. EXP.



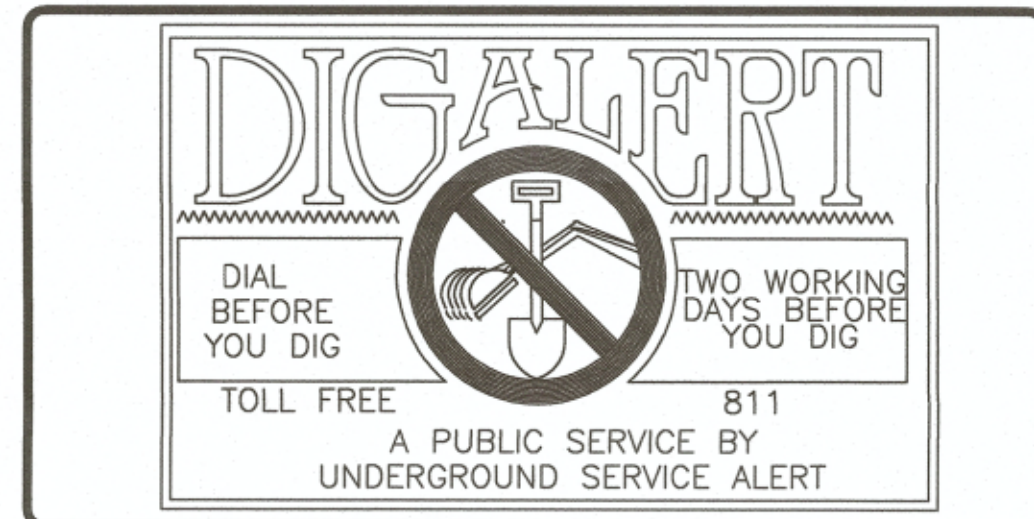
COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
APPROVED FOR CONSTRUCTION BY:
John A. Gay, P.E.
DIRECTOR OF PUBLIC WORKS
62028
R.C.E. No.
9/30/23
REG. EXP.

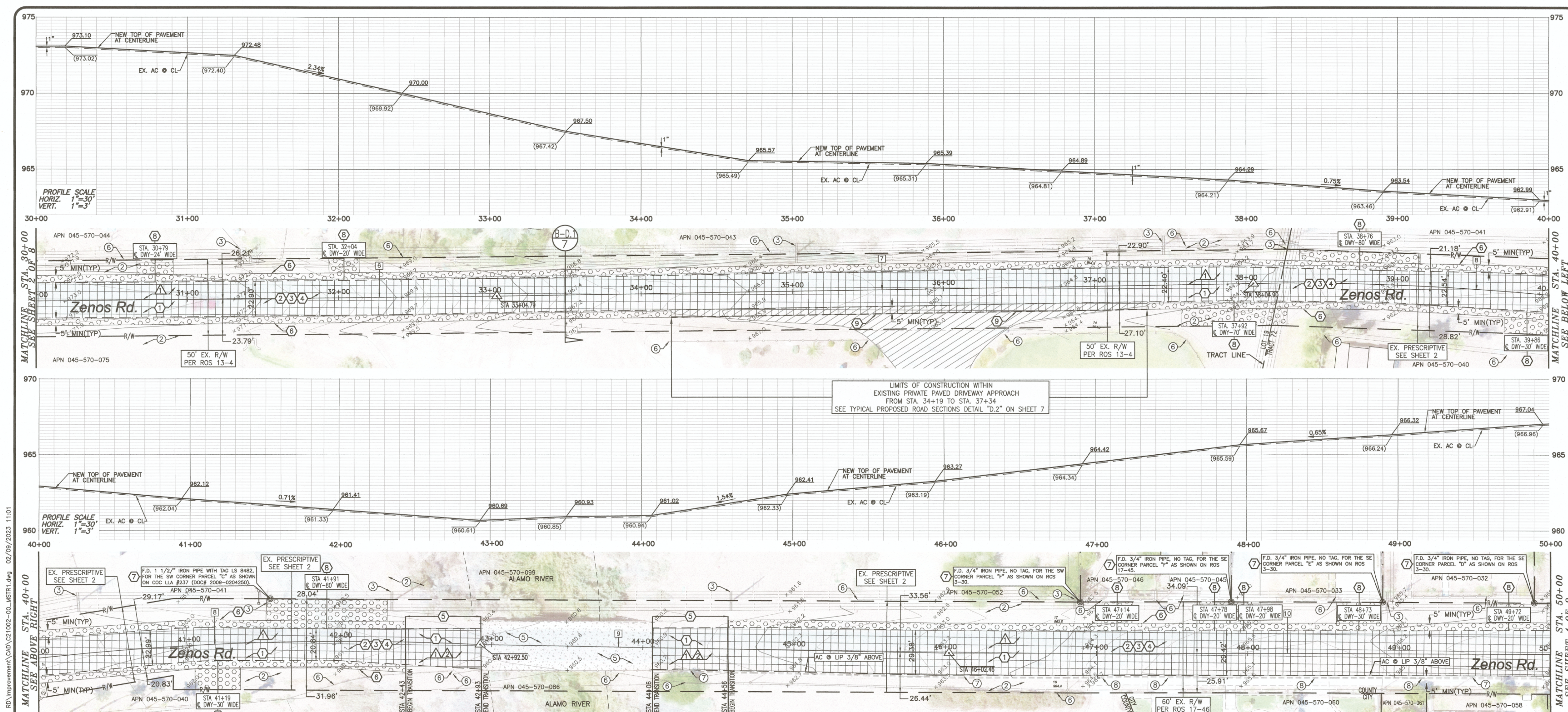


DATE 02/07/23
DRAWN STAFF
SCALE N/A
CHECKED LAM

PROJECT TITLE
ZENOS ROAD IMPROVEMENTS
FROM STATE HIGHWAY ROUTE 115 TO MELON ROAD
COUNTY PROJECT No. 6509

EX. CONDITIONS AND ROAD IMPROVEMENTS
ZENOS RD. FROM STA 10+00 TO STA 30+00
REFERENCE
R-1001
SHEET 3 OF 9





ZENOS ROAD - PLAN & PROFILE VIEW
STA. 30+00 TO STA. 50+00

LEGEND

- NEW AC PAVEMENT OVERLAY OVER A COLD PLANNED SURFACE
- EXIST. AC PAVEMENT
- CLASS 2 AGG. BASE SHOULDER BACKING
- COUNTY OF IMPERIAL ROAD RIGHT OF WAY
- TRACT LINE
- EXISTING PHYSICAL ROAD CENTERLINE
- FD. SURVEY MONUMENT AS NOTED
- SET P.K. NAIL FLUSH WITH A.C. (SEE SHEET 2)

NOTES:

- CONTRACTOR SHALL SWEEP THE ENTIRE SECTION OF THE EXISTING PAVED ROAD AND EXPOSE THE EXISTING EDGES OF PAVEMENT WHICH WILL DELINEATE THE LIMITS OF THE PAVEMENT IMPROVEMENTS. SWEEPING OF THE ROAD SEGMENT TO BE IMPROVED SHALL BE CONDUCTED PRIOR TO COMMENCEMENT OF THE GRINDING ACTIVITIES AND AIR POLLUTION CONTROL MEASURES SHALL BE IMPLEMENTED AT ALL TIMES TO MAINTAIN ACCEPTABLE AIR QUALITY PER COUNTY OF IMPERIAL STANDARDS.
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- PROJECT SPECIFICATIONS SHALL GOVERN SHOULD A CONFLICT EXIST BETWEEN THESE PLANS AND THE PROJECT SPECIFICATIONS.
- WHERE REQUIRED, THE LIMITS OF CONSTRUCTION SHALL BE LOCATED AT THE PROJECT SITE BY THE DESIGNATED RESIDENT ENGINEER FOR THIS PROJECT.

CONSTRUCTION KEYNOTES

- PREPARE, CLEAN, AND SEAL ALL CRACKS WIDER THAN 1/4 INCH WITH DEERY 200 CRACK SEALANT OR APPROVED EQUAL PER MANUFACTURER'S RECOMMENDATIONS. (WORK TO BE CONDUCT AFTER ① AND BEFORE ②).
- CONSTRUCT A 1 INCH THICK LEVELING COURSE WITH 1/2 INCH HMA TYPE A OR EQUAL TO PROVIDE A SMOOTH AND UNIFORM SURFACE TO RECEIVE THE GLASPAVE 50 PAVING MAT OR EQUAL.
- INSTALL A TENSAR GLASPAVE 50 PAVING MAT OR APPROVED EQUAL OVER THE 1 INCH LEVELING COURSE PER MANUFACTURER'S RECOMMENDATIONS.
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- EXTEND THE NEW SHOULDER BACKING AT EXISTING ACCESS DRIVEWAY LOCATIONS TO MATCH THE EXISTING GROUND AT RIGHT OF WAY LINE FROM THE EDGE OF THE BACKING, SUBGRADE AT THIS LOCATION SHALL BE SCARIFIED, GRADED AND COMPACTED TO 95% OF MAX. DENS. PER ASTM D-1557, PRIOR TO RECEIVING THE CLASS II AGG. BASE LAYER. THIS ITEM WILL BE PAID BASED ON AREA OF CONSTRUCTION OF A UNIFORM 9 INCH THICK COMPACTED LAYER OF CLASS II AGGREGATE BASE MATERIAL. REFER TO THE WIDTH FOR EACH DRIVEWAY NOTED ON THE PLANS. THE STRUCTURAL SECTION AND THE GEOMETRY OF THE APPROACH TO THE EXISTING ROAD AND NEW SHOULDER SHALL BE PER IMPERIAL COUNTY STA. DRAWING 410C.
- CONSTRUCT A COLD PLANE DETAIL ALONG THE MATCHLINE ALIGNMENT WITH THE EXISTING PAVED DRIVEWAY PER DETAIL (F).

DEMOLITION KEYNOTES:

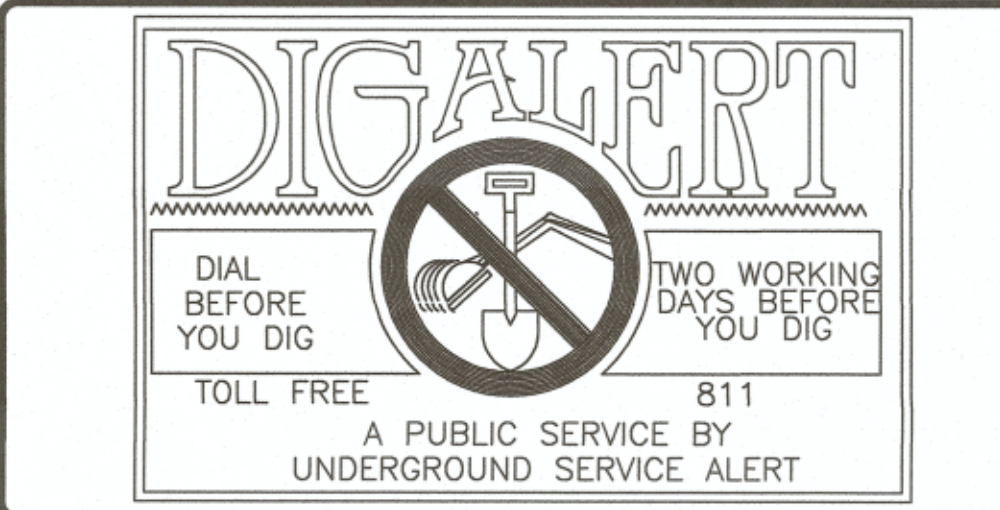
- CONSTRUCT A 3 INCH DEEP COLD PLANING OVER THE EXISTING PAVED SECTION. SWEEP PLANNED SURFACE TO RECEIVE CRACK TREATMENT, LEVELING COURSE, PAVING MAT AND OVERLAY PER PLANS AND SPECIFICATIONS.
- COLD PLANE EXISTING A.C. PAVEMENT PER DETAIL (E).

EXISTING KEYNOTES:

- EXISTING A.C. PAVEMENT TO REMAIN
- EXISTING NATIVE MATERIAL TO REMAIN
- EXISTING POWER POLE TO REMAIN
- EXISTING SIGN TO REMAIN
- EXISTING CONCRETE AREA TO REMAIN
- EXISTING FENCE TO REMAIN
- EXISTING P.C.C. C&G TO REMAIN
- EXISTING P.C.C. DRIVEWAY TO REMAIN

CONSTRUCTION BASELINE KEYNOTE:

- SEE "CONSTRUCTION BASELINE DATA TABLE" ON SHEET 2



REVISION	DATE	COMMENTS
1	07/22/22	PER I.C. DEPARTMENT OF PUBLIC WORKS PLAN CHECK EMAIL - AG & FF
2	01/04/23	PER I.C. DEPARTMENT OF PUBLIC WORKS PLAN CHECK EMAIL - AG & FF
3	02/03/23	PER I.C. DEPARTMENT OF PUBLIC WORKS PLAN CHECK EMAIL - AG



PREPARED UNDER THE DIRECT SUPERVISION OF:
MAURICIO LAM, P.E.
57392
R.C.E. No.
12/31/23
REG. EXP.



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
APPROVED FOR CONSTRUCTION BY:
John A. Gay, P.E.
DIRECTOR OF PUBLIC WORKS
2/14/23
DATE
62028
R.C.E. No.
9/30/23
REG. EXP.



DATE: 02/07/23
DRAWN: STAFF
SCALE: N/A
CHECKED: LAM

PROJECT TITLE
ZENOS ROAD IMPROVEMENTS
FROM STATE HIGHWAY ROUTE 115 TO MELON ROAD
COUNTY PROJECT No. 6509

EX. CONDITIONS AND ROAD IMPROVEMENTS
ZENOS RD. FROM STA 30+00 TO STA 50+00
REFERENCE
R-1001
SHEET 4 OF 9

L:\Projects\2021\C21002-00 (COUNTY OF IMP-Rehabilitation Orchard Rd + ZENOS RS Project)\ZENOS RD\Improvement\CAD\C21002-00_MSTR1.dwg 02/09/2023 11:02

I SIGNS AND DELINEATORS

1. THE APPLICATION OF THE TRAFFIC CONTROL DEVICES AND THEIR PLACEMENT SHALL CONFORM TO FEDERAL HIGHWAY ADMINISTRATION (FHWA) MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) 2009 EDITION AS AMENDED BY THE MUTCD 2014, REVISION 6 CALIFORNIA SUPPLEMENT.
2. IN ADDITION TO THE GUIDELINES PROVIDED BY THE ABOVE REFERENCED MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) 2014 EDITION REVISION 6 AND AS AMENDED FOR USE IN CALIFORNIA FOR THE SELECTION OF THE MOST APPROPRIATE DEVICES AND THEIR PLACEMENT, THE TRAFFIC CONTROL DETAILS OF THE CALIFORNIA STANDARD PLAN DATED MARCH 2021 SHALL BE USED IN SITUATION REQUIRING LANE CLOSURES OR DETOURING THE PATH OF VEHICLES IN VARIOUS STAGES OF CONSTRUCTION.
3. ALL TRAVEL LANES SHALL HAVE A 12 FEET MINIMUM WIDTH UNLESS APPROVED BY THE COUNTY OTHERWISE.
4. ALL ADVANCE WARNING SIGN INSTALLATIONS SHALL BE EQUIPPED WITH FLAGS FOR DAYTIME CLOSURES.
5. A MINIMUM 1,500 FEET OF SIGHT DISTANCE SHALL BE PROVIDED WHERE POSSIBLE, FOR VEHICLES APPROACHING THE FIRST FLASHING ARROW SIGN. LANE CLOSURES SHALL NOT BEGIN AT TOP OF CREST VERTICAL CURVE OR ON A HORIZONTAL CURVE.
6. WARNING (W-SERIES) SIGNS USED IN WORK AREAS SHALL BE BLACK ON ORANGE COLORS.
7. PLACE A G20-2 "END ROAD WORK" SIGN APPROXIMATELY 500 FEET BEYOND THE END OF A WORK ZONE.
8. CONTRACTOR TO TAPE OVER CONFLICTING STRIPING.
9. ALL DIRT, DUST AND DEBRIS SHALL BE REMOVED FROM STREET AT END OF EACH WORK DAY, AND AT END OF EACH JOB.
10. THE COUNTY RESERVES THE RIGHT TO OBSERVE THESE TRAFFIC CONTROL PLANS IN OPERATION AND TO MAKE ANY CHANGES AS FIELD CONDITIONS WARRANT, ANY CHANGES SHALL SUPERCEDE THESE PLANS AND BE COMPLETED AT THE CONTRACTOR'S EXPENSE.
11. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO ANY EXCAVATION.
12. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED AGENCIES AT LEAST FIVE (5) WORKING DAYS IN ADVANCE OF ANY STREET CLOSURE OR IMPLEMENTING ANY CONSTRUCTION DETOUR.

II MAINTAINING TRAFFIC

1. THE CONTRACTOR SHALL NOTIFY COUNTY AT LEAST TWO (2) WORKING DAYS IN ADVANCE OF IMPLEMENTING ANY CONSTRUCTION DETOUR.
2. ACCESS TO PRIVATE PROPERTY SHALL BE MAINTAINED AT ALL TIMES. IF SPECIAL APPROVAL IS GRANTED BY THE COUNTY TRAFFIC ENGINEER TO CLOSE OR INTERFERE IN ANY WAY WITH A DRIVEWAY, THEN THE CONTRACTOR SHALL NOTIFY THE OWNER OR OCCUPANT (IF NOT OWNER-OCCUPIED OF THE CLOSURE OF THE DRIVEWAYS) AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE CLOSURE. THE CONTRACTOR SHALL MINIMIZE THE INCONVENIENCE AND MINIMIZE THE PERIOD THAT THE DRIVEWAYS WILL BE CLOSED. THE CONTRACTOR SHALL FULLY EXPLAIN TO THE OWNER/OCCUPANT HOW LONG THE WORK WILL TAKE AND WHEN CLOSURE IS TO START.
3. FLAG MEN SHALL GIVE PRIORITY TO RESIDENTIAL TRAFFIC WHEREVER POSSIBLE.

III MAINTAINING CONSTRUCTION DETOUR

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL SAFETY DEVICES SUCH AS BARRICADES, DELINEATORS, AND SIGNS IN GOOD CONDITION AND PROPERLY PLACED AS REQUIRED BY THE TRAFFIC CONTROL PLAN AT HIS EXPENSE.
2. THE NAME OF THE AGENCY WHO OWNS THE TRAFFIC CONTROL SAFETY DEVICES SHALL BE NOTED ON EACH DEVICE.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR PERFORMING WORK ON A COUNTY STREET TO SUPPLY, INSTALL AND MAINTAIN THE TRAFFIC CONTROL DEVICES AS SHOWN HEREIN AND AS MAY BE REQUIRED TO ENSURE THE SAFE MOVEMENT OF TRAFFIC PEDESTRIANS AND ENSURE MAXIMUM PROTECTION AND SAFETY TO CONSTRUCTION WORKERS.

IV RESTORING TRAFFIC

- ALL TRAFFIC LANES MUST BE RESTORED TO TRAFFIC AFTER THE ALLOWED WORK HOURS. EXCAVATIONS WITHIN THE ROADWAYS OR WITHIN SIX (6) FEET OF TRAFFIC LANES IN WHICH WORK CAN NOT BE COMPLETED IN ONE WORKING DAY MUST BE SECURED OVERNIGHT IN ONE OF TWO ALTERNATE METHODS:
- A. THE EXCAVATION MUST BE BACKFILLED WITH COMPACTED SOIL AND A TEMPORARY PATCH OF COLD MIX ASPHALT PLACED OVER IT.
- B. STEEL PLATING OR SIMILAR MATERIAL OF SUFFICIENT THICKNESS TO WITHSTAND VEHICULAR TRAFFIC MUST BE PLACED OVER THE EXCAVATION. THE PLATING MUST BE SECURED WITH FASTENERS AND MUST HAVE A COLD MIX WITH ASPHALT RAMP AROUND THE EDGE OF THE PLATING.
- C. THE CONTRACTOR IS RESPONSIBLE FOR RESTORING THE ROAD BACK TO SATISFACTORY CONDITION WHICH WILL INCLUDE, BUT IS NOT LIMITED TO PAVING, STRIPING, SIGNING, MARKINGS, AND LOOP DETENTION.
- D. EQUIPMENT, MATERIAL, OR DEBRIS SHALL NOT BE STORED OR REMAIN IN THE PUBLIC-RIGHT-OF-WAY WITHOUT PRIOR APPROVAL BY THE COUNTY.

NOTES:

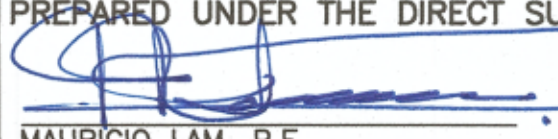
1. THE CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL DURING THE INSTALLATION, REMOVAL, OR MODIFICATION OF ALL SIGNING AND STRIPING SHOWN ON THESE PLANS.
2. CONTRACTOR SHALL REMOVE AND SALVAGE ALL EXISTING CONFLICTING SIGNS PAVEMENT MARKERS, AND SANDBLAST ALL CONFLICTING EXISTING STRIPING AND PAVEMENT MARKINGS.
3. ALL MARKINGS AND STRIPING WITHING THE COUNTY OF IMPERIAL RIGHT-OF-WAY SHALL BE PAINTED. THERMOPLASTIC SHALL BE ALLOWED, WITH ADVANCE APPROVAL BY ENGINEER.
4. "STOP", "STOP BAR", "STOP AHEAD", AND "DIRECTIONAL ARROW" SHALL BE PER CALTRANS STANDARDS.
5. ALL PAVEMENT PAINT MARKINGS AND STRIPING SHALL BE REFLECTORIZED USING #10 GLASS BEADS, OR APPROVED EQUAL, AT A RATE OF SIX (6) POUNDS PER GALLON OF PAINT.
6. ALL EXISTING STRIPING WITHING PROJECT LIMITS SHALL BE REPAINTED.

GENERAL NOTES:

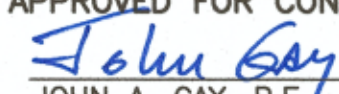
1. THE CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL DURING THE INSTALLATION, REMOVAL, OR MODIFICATION OF ALL SIGNING AND STRIPING SHOWN ON THESE PLANS.
2. THE APPLICATION OF THE TRAFFIC CONTROL DEVICES AND THEIR PLACEMENT SHALL CONFORM TO THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD 2014 REVISION 6 FOR USE IN CALIFORNIA).
3. IN ADDITION TO THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD 2014 REVISION 6 AMENDED FOR USE IN CALIFORNIA) FOR THE SELECTION OF THE MOST APPROPRIATE DEVICES AND THEIR PLACEMENT, THE TRAFFIC CONTROL DETAILS DESCRIBED IN SHEETS NO. T1A THRU T17 OF THE CALIFORNIA STANDARD PLANS LATEST EDITION SHALL BE USED IN SITUATION REQUIRING LANE CLOSURES OR DETOURING THE PATH OF VEHICLES IN VARIOUS STAGES OF CONSTRUCTION.
4. THE LOCATIONS OF TRAFFIC CONTROL DEVICES ARE APPROXIMATE AND ADJUSTMENTS MAY BE REQUIRED TO MEET FIELD CONDITIONS. HOWEVER, ANY ADJUSTMENT MUST MEET REQUIREMENTS OF THE ABOVE REFERENCED MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
5. CHANNELIZATION TYPE SHALL CONFORM TO THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD 2014 REVISION 6 AMENDED FOR USE IN CALIFORNIA) AND CONSISTENT WITH FIELD CONDITIONS DURING CONSTRUCTION PROVIDED SECURE COVER OVER CONFLICTING SIGNS.
6. ANY DELAY IN OBTAINING PUBLIC AGENCY APPROVALS AND/OR STRIPING PLANS, MAY REQUIRE REDESIGN DUE TO CHANGES IN GOVERNMENTAL REQUIREMENTS/STANDARDS OR FIELD CONDITIONS.
7. CONTRACTOR SHALL REMOVE AND SALVAGE ALL EXISTING CONFLICTING SIGNS, PAVEMENT MARKERS AND GRIND ALL CONFLICTING EXISTING STRIPING AND PAVEMENT MARKINGS.
8. CONTRACTOR MUST OBTAIN AN ENCROACHMENT PERMIT FROM THE IMPERIAL IRRIGATION DISTRICT, CALTRANS AND CITY OF HOLTVILLE FOR ALL WORK WITHIN THEIR RIGHT-OF-WAYS.

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PREPARED UNDER THE DIRECT SUPERVISION OF:	
	57392
MAURICIO LAM, P.E.	R.C.E. No.
02-09-23	12/31/23
DATE	REG. EXP.



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT APPROVED FOR CONSTRUCTION BY:	
	62028
JOHN A. GAY, P.E. DIRECTOR OF PUBLIC WORKS	R.C.E. No.
2/14/23	9/30/23
DATE	REG. EXP.

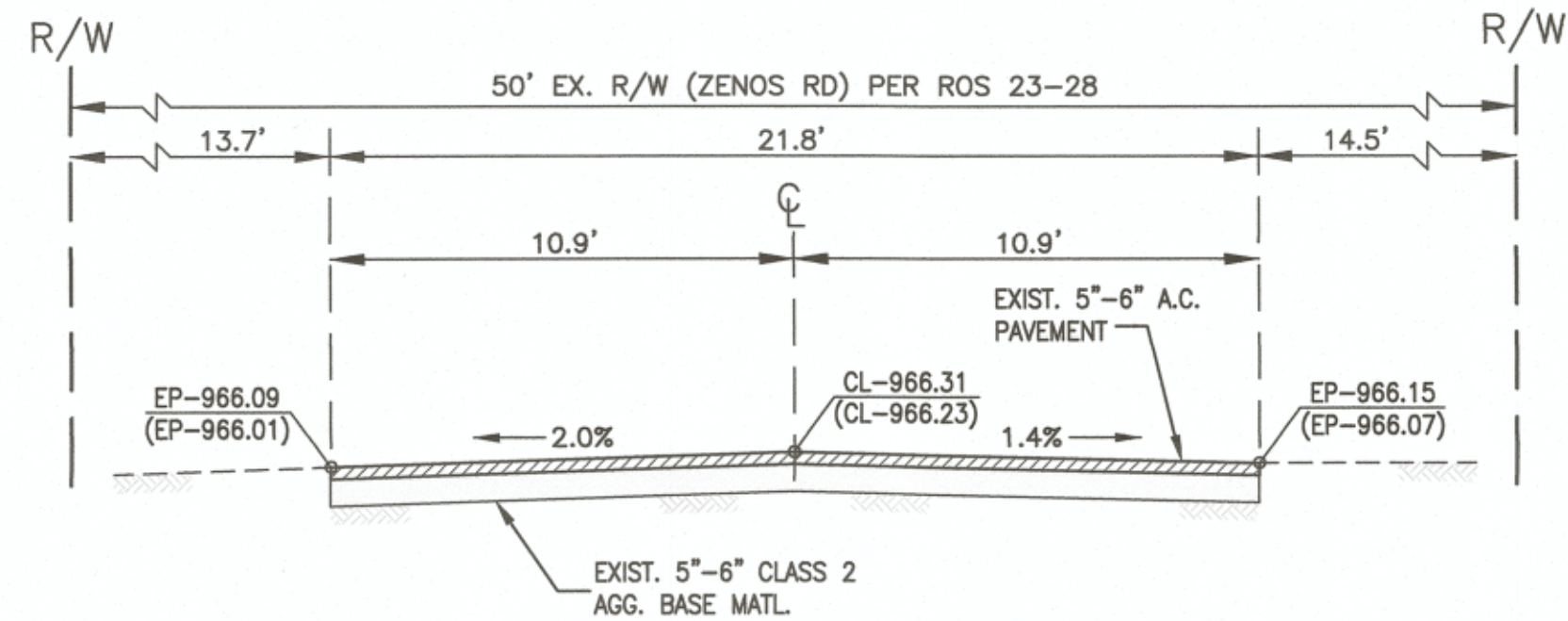


DATE	02/07/23
DRAWN	STAFF
SCALE	N/A
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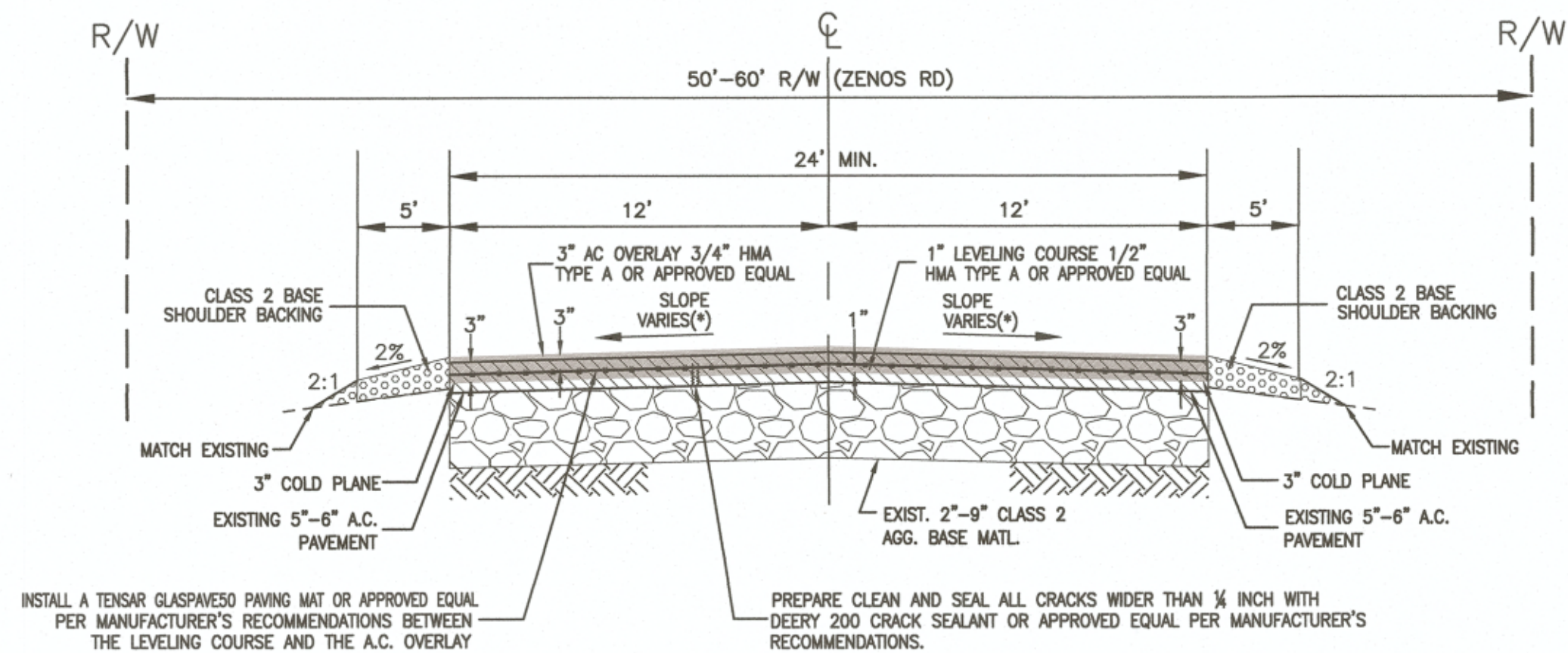
PROJECT TITLE	
ZENOS ROAD IMPROVEMENTS	
FROM STATE HIGHWAY ROUTE 115 TO MELON ROAD	
COUNTY PROJECT No. 6509	

TRAFFIC CONTROL AND STRIPING ZENOS ROAD	
REFERENCE	
R-1001	
SHEET	OF
6	9

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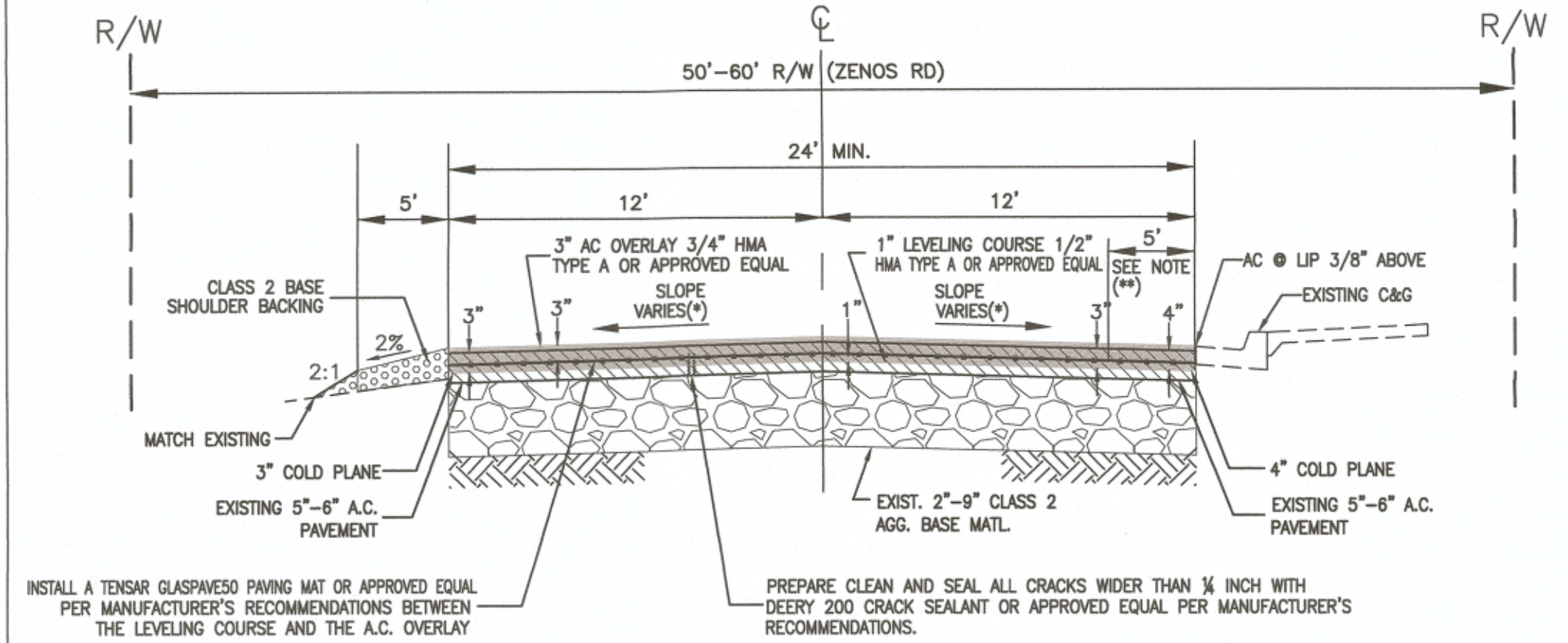


TYPICAL EXISTING ROAD SECTION DETAIL (STA 17+00) (A) NO SCALE



(*)NOTE: CONSTRUCTION OF LEVELING COURSE SHALL HAVE A MINIMUM THICKNESS OF 1 INCH, IN AREAS WHERE THE CROSS-SLOPE IS LESS THAN 1% CONTRACTOR SHALL HOLD THE 1 INCH THICKNESS ON THE EDGE OF PAVEMENT OF THE ROAD WITH THE HIGHEST ELEVATION AND PROJECT UPWARDS UNTIL A 1% MINIMUM SLOPE IS ATTAINED.

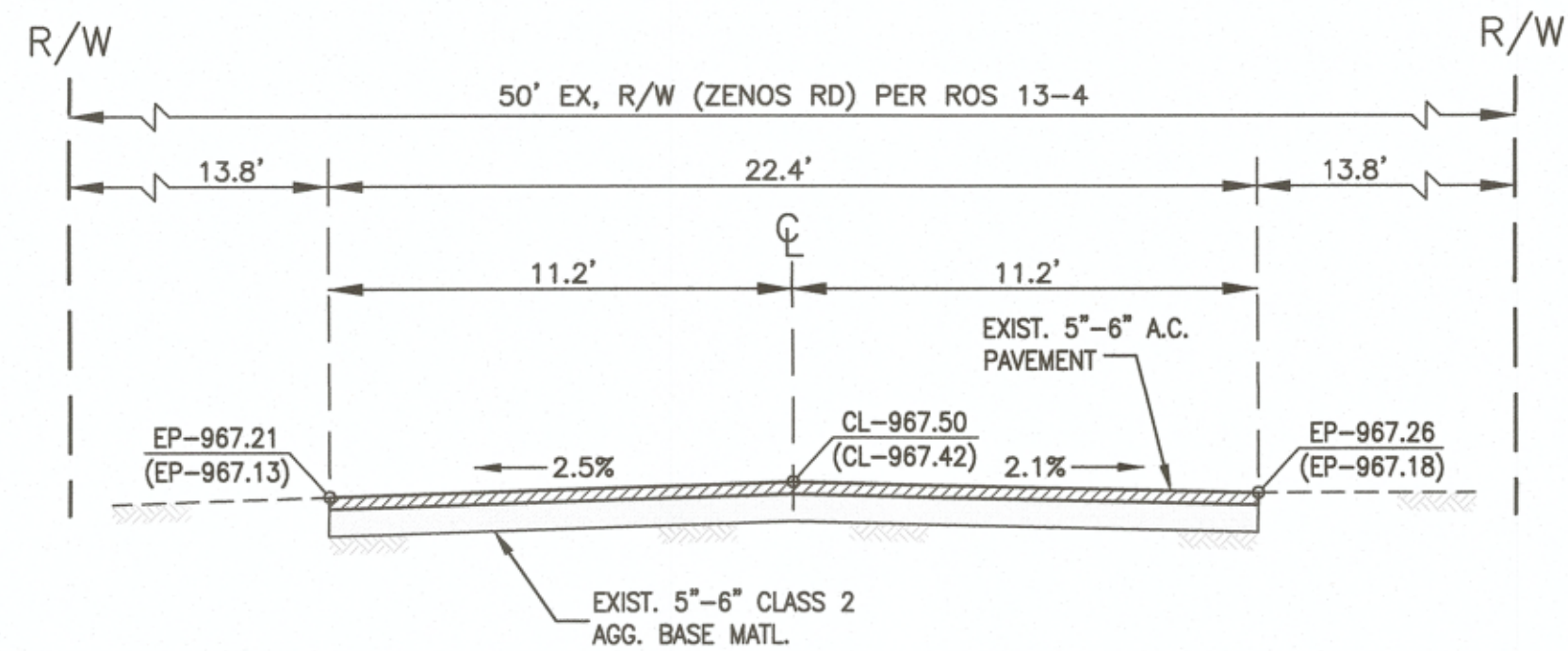
TYPICAL PROPOSED ROAD SECTIONS DETAIL CASE "A" - CLASS 2 AGGREGATE BASE SHOULDER ON BOTH SIDES (D.1) NO SCALE



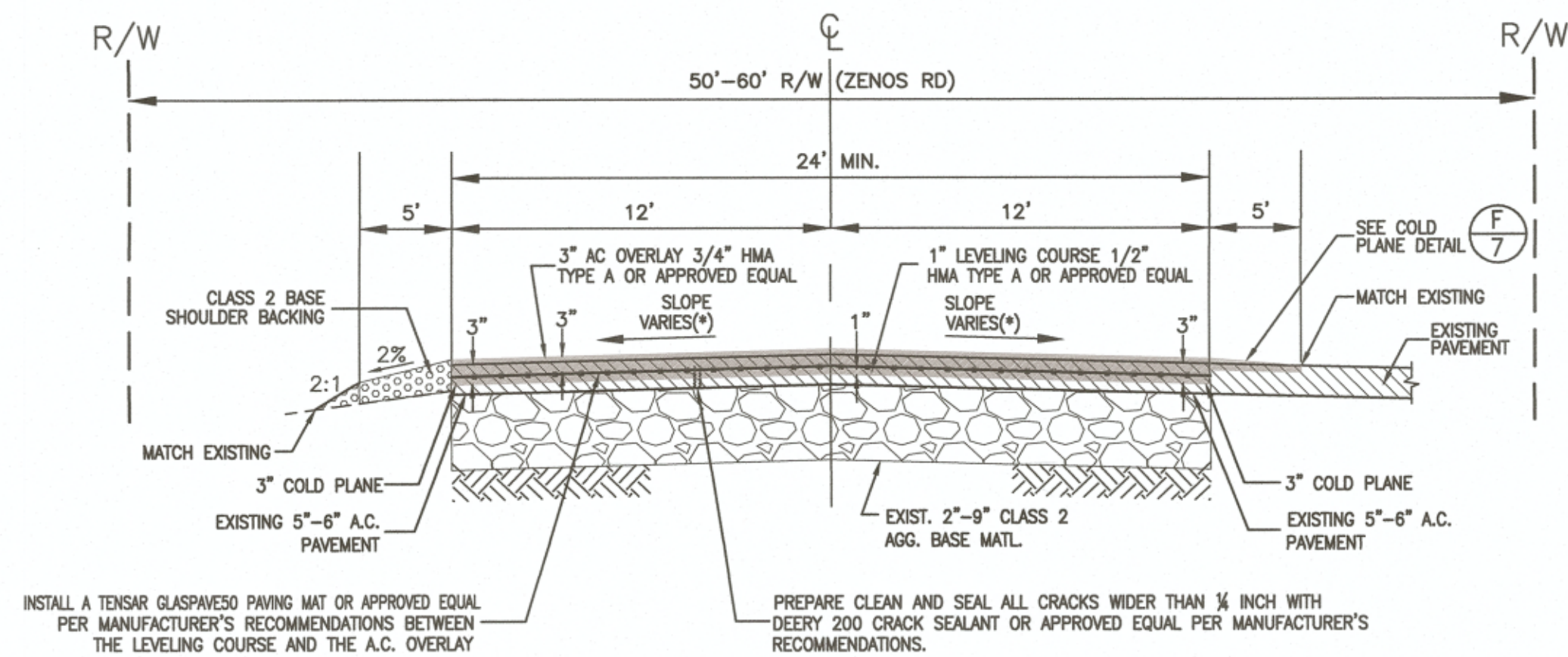
(*)NOTE: CONSTRUCTION OF LEVELING COURSE SHALL HAVE A MINIMUM THICKNESS OF 1 INCH, IN AREAS WHERE THE CROSS-SLOPE IS LESS THAN 1% CONTRACTOR SHALL HOLD THE 1 INCH THICKNESS ON THE EDGE OF PAVEMENT OF THE ROAD WITH THE HIGHEST ELEVATION AND PROJECT UPWARDS UNTIL A 1% MINIMUM SLOPE IS ATTAINED.

(**)NOTE: IN AREAS WHERE NEW OVERLAY IS MATCHING AN EXISTING GUTTER, A 5 FOOT WIDE COLD PLANE TRANSITION SHALL BE CONSTRUCTED TO EXTEND FROM A 3" DEEP TO A 4" DEEP COLD PLANE AT THE FACE OF THE GUTTER TO ALLOW FOR THE INSTALLATION OF A 4-3/8" THICK OVERLAY MATCHING THE EDGE OF GUTTER. THE FINISH GRADE OF THE ASPHALT AT THE LIP OF THE GUTTER SHALL PROJECT 3/8 OF AN INCH ABOVE THE EXISTING LIP ELEVATION (MATCHING CONDITION).

TYPICAL PROPOSED ROAD SECTIONS DETAIL CASE "C" - MATCHING EXISTING CURB AND GUTTER ON ONE SIDE AND CLASS 2 AGGREGATE BASE SHOULDER ON THE OTHER SIDE (D.3) NO SCALE

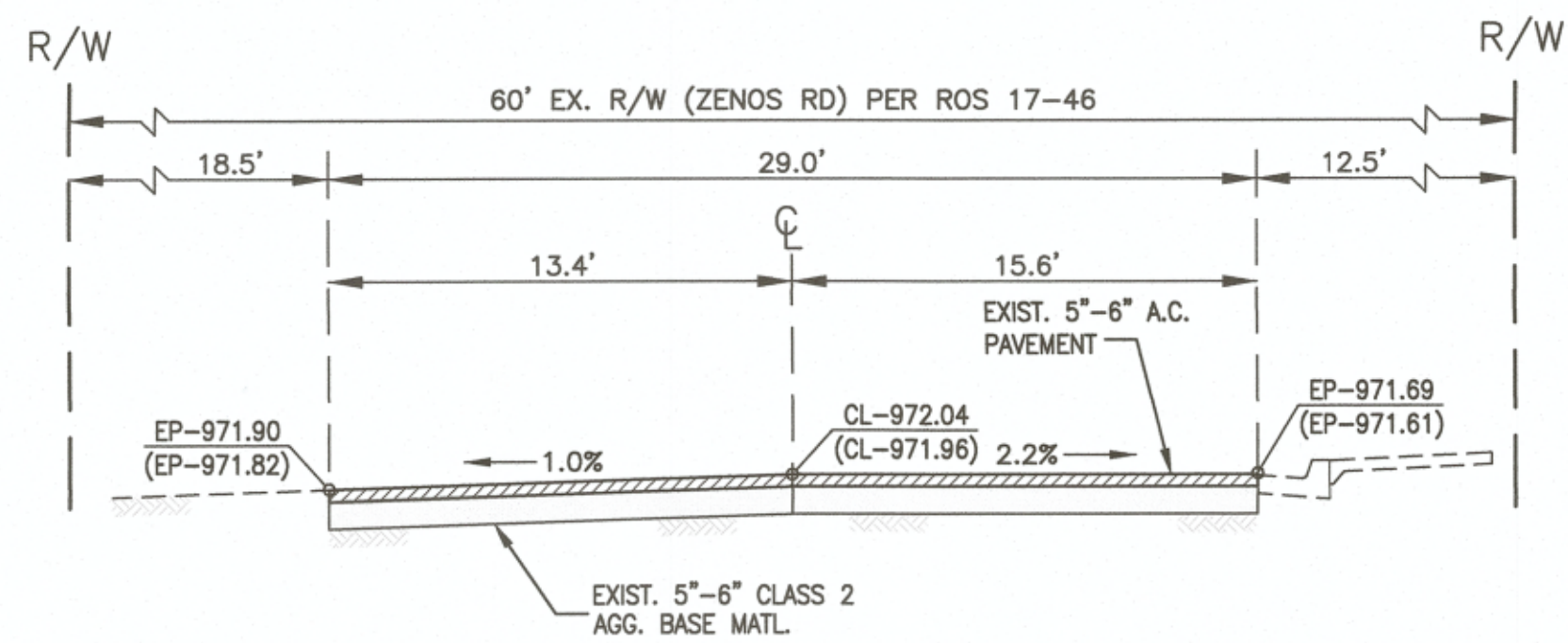


TYPICAL EXISTING ROAD SECTION DETAIL (STA 33+50) (B) NO SCALE

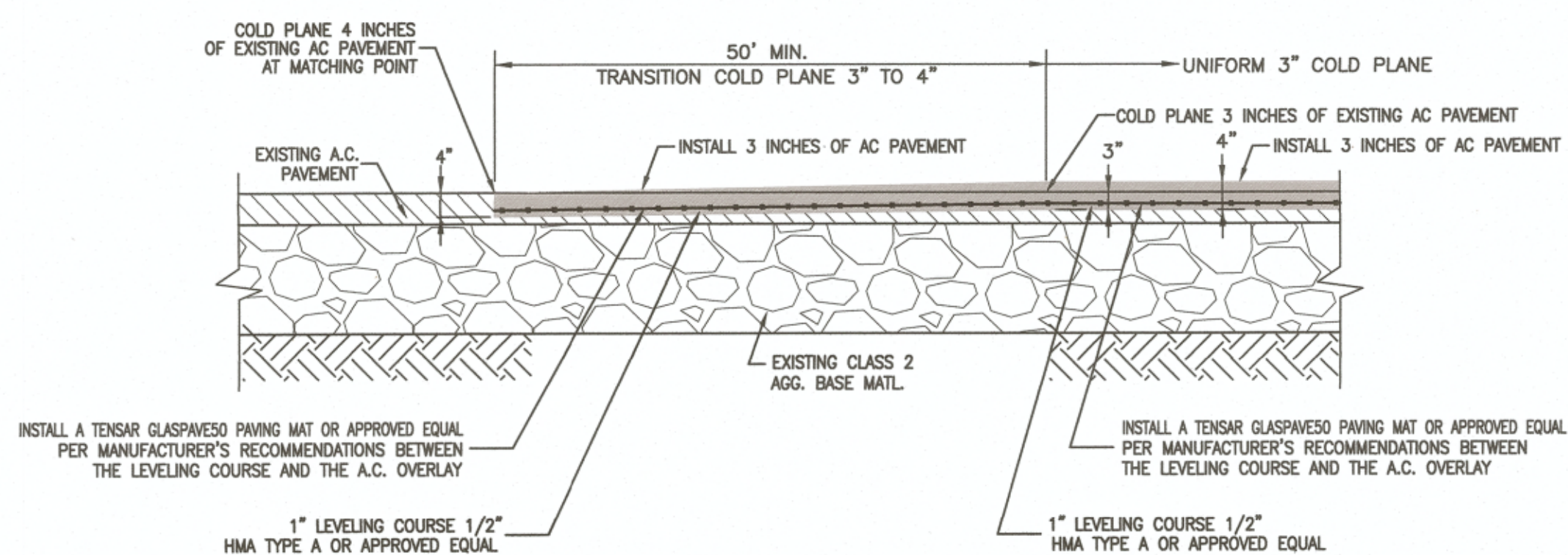


(*)NOTE: CONSTRUCTION OF LEVELING COURSE SHALL HAVE A MINIMUM THICKNESS OF 1 INCH, IN AREAS WHERE THE CROSS-SLOPE IS LESS THAN 1% CONTRACTOR SHALL HOLD THE 1 INCH THICKNESS ON THE EDGE OF PAVEMENT OF THE ROAD WITH THE HIGHEST ELEVATION AND PROJECT UPWARDS UNTIL A 1% MINIMUM SLOPE IS ATTAINED.

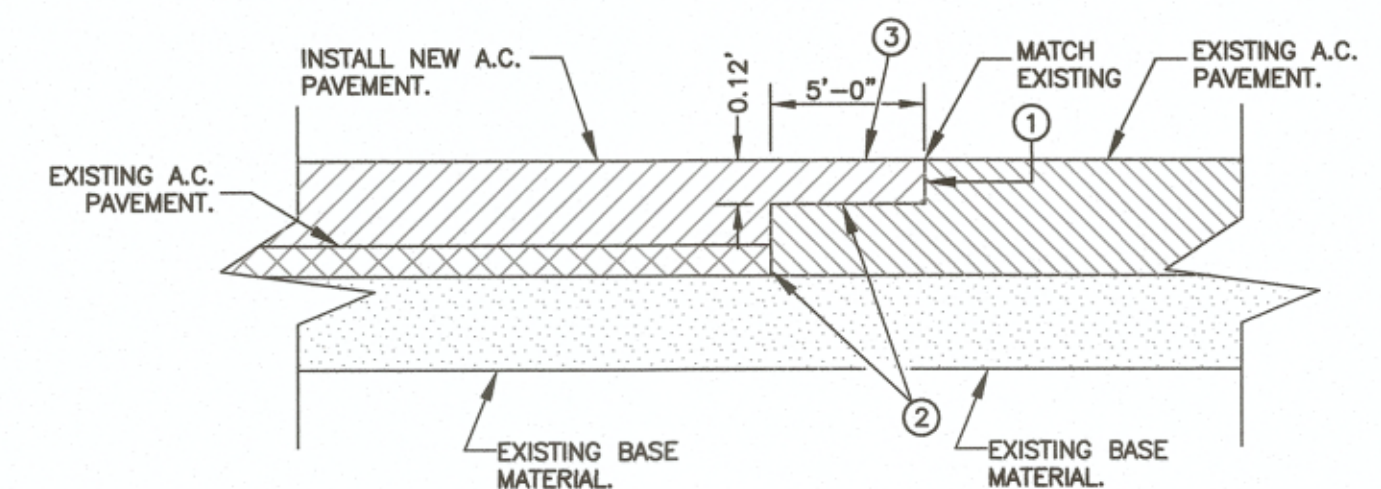
TYPICAL PROPOSED ROAD SECTIONS DETAIL CASE "B" - MATCHING EXISTING PAVED DRIVEWAY ON ONE SIDE AND CLASS 2 AGGREGATE BASE SHOULDER ON THE OTHER SIDE (D.2) NO SCALE



TYPICAL EXISTING ROAD SECTION DETAIL (STA 55+86) (C) NO SCALE



LONGITUDINAL PAVEMENT TRANSITION DETAIL (E) NO SCALE



- NOTES:
- COLD PLANE 5 FOOT WIDE X 0.12 FOOT DEEP AREA FOR THE FULL WIDTH OF THE A.C. PAVEMENT.
 - TACK COAT THE SAWCUT A.C. PAVEMENT EDGE AND COLD PLANED AREA WITH A GRADE SS-1H EMULSIFIED ASPHALT AT AN APPROXIMATE RATE OF 0.05 TO 0.10 GALLON PER SQUARE YARD. THE SH-1H EMULSIFIED ASPHALT SHALL BE UNIFORMLY APPLIED PRECEDING THE PLACEMENT OF THE NEW ASPHALT CONCRETE. THE SURFACE SHALL BE FREE OF WATER, FOREIGN MATERIAL OR DUST WHEN THE TACK COAT IS APPLIED.
 - OVERLAY HEADER AREA TO MATCH NEW AND EXISTING A.C. SURFACES.
 - WHERE PAVEMENT IS INSTALLED ON A PROJECT ON MORE THAN ONE DAY, A HEADER (AS HEREIN DESCRIBED) MUST BE PROVIDED AT THE CONSTRUCTION JOINT.

COLD PLANE DETAIL (F) NO SCALE

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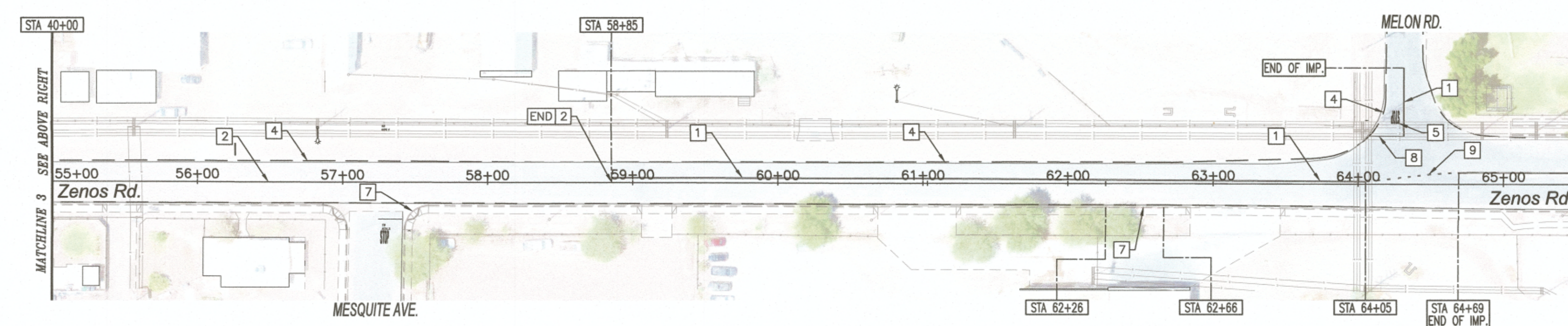
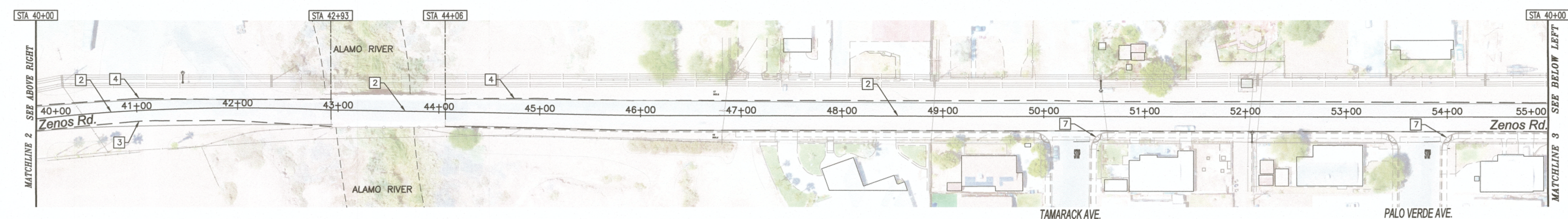
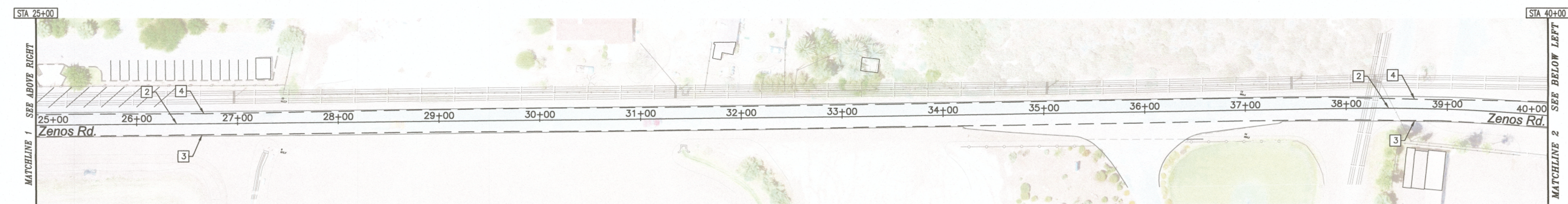
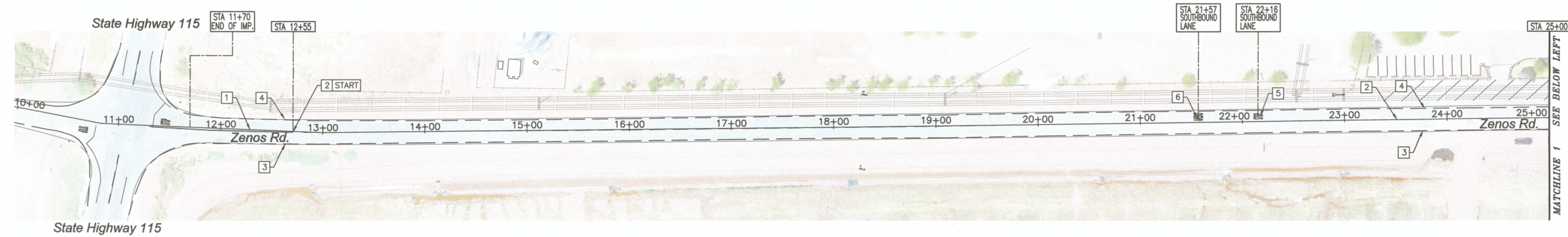
COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
APPROVED FOR CONSTRUCTION BY:
John A. Gay, P.E.
DIRECTOR OF PUBLIC WORKS
2/14/23
DATE
62028
R.C.E. No.
9/30/23
REG. EXP.



DATE: 02/07/23
DRAWN: STAFF
SCALE: N/A
CHECKED: LAM

PROJECT TITLE
ZENOS ROAD IMPROVEMENTS
FROM STATE HIGHWAY ROUTE 115 TO MELON ROAD
COUNTY PROJECT No. 6509

DETAILS AND CROSS SECTIONS
ZENOS ROAD
REFERENCE
R-1001
SHEET 7 OF 9



ZENOS ROAD PLAN VIEW
STA. 10+00 TO STA. 65+00

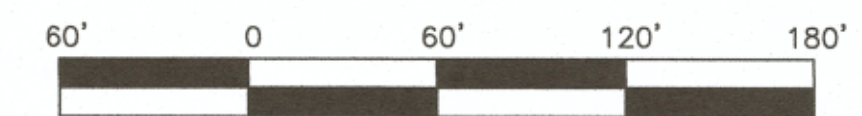
CONSTRUCTION KEYNOTES

- | | |
|--|--|
| 1. PAINT "NO PASSING ZONES - TWO DIRECTION" DOUBLE 6 INCHES YELLOW LINE PER CALTRANS STANDARD PLAN A20A DETAIL 21. | 6. "AHEAD" LEGEND PER CALTRANS STANDARD PLAN A24D. |
| 2. PAINT "CENTERLINE" 6 INCHES YELLOW LINE PER CALTRANS STANDARD PLAN A20A DETAIL 1. | 7. PAINT EXISTING CURB "RED". SEE NOTE 1. |
| 3. PAINT WESTBOUND "RIGHT EDGELINES" 6 INCHES WHITE LINE PER CALTRANS STANDARD PLAN A20B DETAIL 27B. | 8. PAINT 12 INCHES WHITE LIMIT LINE PER CALTRANS STANDARD PLAN A24F. |
| 4. PAINT EASTBOUND "RIGHT EDGELINES" 6 INCHES WHITE LINE PER CALTRANS STANDARD PLAN A20B DETAIL 27B. | 9. PAINT 6 INCHES YELLOW LINE PER CALTRANS STANDARD PLAN A20D DETAIL 41. |
| 5. "STOP" LEGEND PER CALTRANS STANDARD PLAN A24D. | |

NOTE: NEW STRIPING SHALL BE DONE PER CALTRANS STANDARD PLANS LATEST EDITION.

NOTE:

1. PAINT EXISTING CURB "RED" AT EXISTING FIRE HYDRANT LOCATIONS AND PLACE NEW BLUE PAVEMENT MARKER 1 FOOT FROM ZENOS ROAD CENTERLINE STRIPE TOWARDS THE FIRE HYDRANT. REFER TO CITY OF HOLTVILLE "RESIDENTIAL/COMMERCIAL FIRE HYDRANT ASSEMBLY" DETAIL ON SHEET "W 107".



DIGALERT

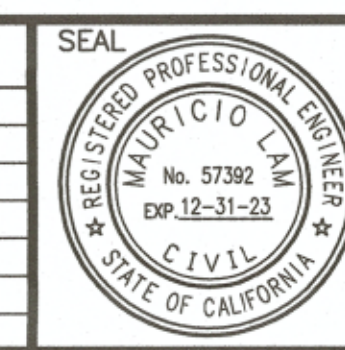
DIAL BEFORE YOU DIG

TWO WORKING DAYS BEFORE YOU DIG

TOLL FREE 811

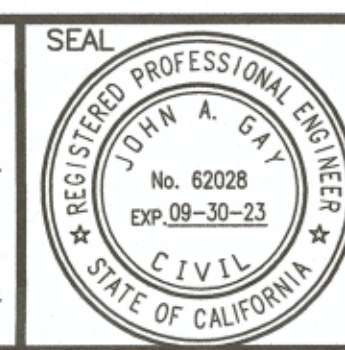
A PUBLIC SERVICE BY UNDERGROUND SERVICE ALERT

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DATE: 02-09-23
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REG. EXP. 12/31/23



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
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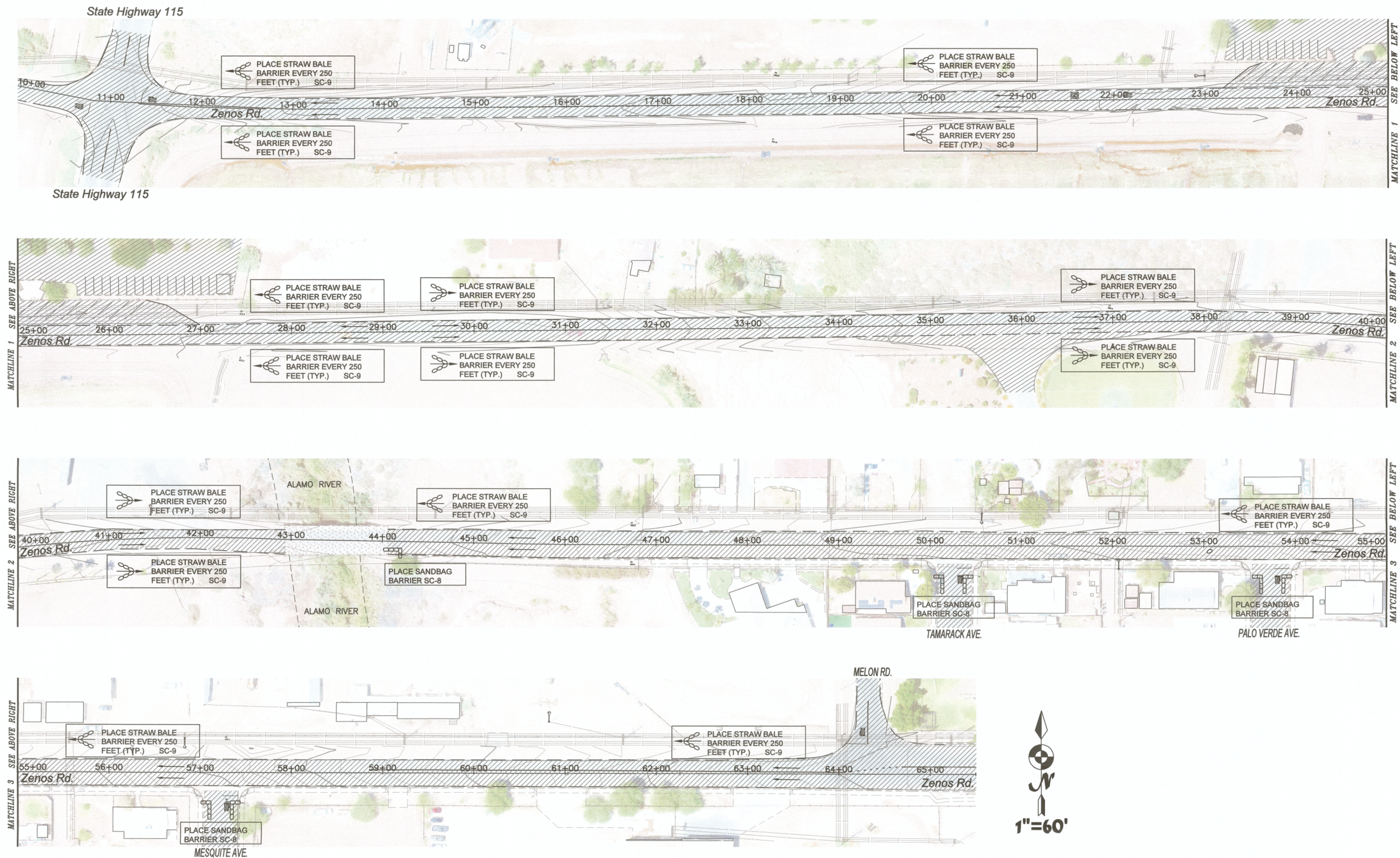


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CHECKED: LAM

PROJECT TITLE
ZENOS ROAD IMPROVEMENTS
FROM STATE HIGHWAY ROUTE 115 TO MELON ROAD
COUNTY PROJECT No. 6509

STRIPING AND SIGNAGE PLAN
ZENOS ROAD
REFERENCE
R-1001
SHEET 8 OF 9

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ZENOS ROAD PLAN VIEW
STA. 10+00 TO STA. 65+00

STORM WATER POLLUTION PREVENTION NOTES:

1. THE CONTRACTOR SHALL USE A QUALIFIED PERSON WHO HAS BEEN PROPERLY TRAINED TO CONDUCT INSPECTIONS AND PREPARE REPORTS OF THE CONSTRUCTION SITE WITH RESPECT TO THE COUNTY'S MUNICIPAL CODE/ORDINANCES AND THE EROSION CONTROL PLAN. THE QUALIFIED PERSON SHALL HAVE KNOWLEDGE AND TRAINING OF THE INTENT AND ENFORCEMENT OF EROSION CONTROL PLANS AND BMPs.
2. THE QUALIFIED PERSON SHALL CONDUCT REGULAR INSPECTIONS OF PROJECT SITE IN ACCORDANCE WITH THE RECOMMENDATIONS OUTLINED IN THE EROSION CONTROL PLAN. EACH INSPECTION SHALL BE DOCUMENTED IN THE FORM OF WRITTEN REPORTS SERRATED ON-SITE. ALL REPORTS SHALL BE PROVIDED TO THE COUNTY INSPECTOR AND ALSO BE MADE AVAILABLE TO THE RWQCB REPRESENTATIVES UPON REQUEST.
3. THE CONTRACTOR SHALL HAVE EMERGENCY MATERIAL AND EQUIPMENT ON HAND FOR UNFORESEEN SITUATIONS, SUCH AS DAMAGE TO UNDERGROUND WATER AND SEWER UTILITIES WHEREBY FLOWS MAY GENERATE EROSION AND SEDIMENT POLLUTION.

EROSION CONTROL NOTES:

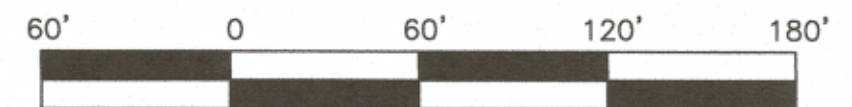
1. TEMPORARY EROSION CONTROL PRIOR TO COMPLETION OF FINAL IMPROVEMENTS SHALL BE PERFORMED BY THE CONTRACTOR AS INDICATED BELOW:
2. THE GRADING CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN UP OF SILT AND MUD ON ADJACENT STREETS DUE TO CONSTRUCTION ACTIVITY.
3. THE CONTRACTOR SHALL CHECK AND PROTECT LINED AND UNLINED DITCHES PRIOR AND AFTER EACH RAINFALL.
4. EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON-SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN THE RAIN IS IMMINENT.
5. DEVICES SHOWN ON THESE PLANS SHALL NOT BE MOVED OR MODIFIED WITHOUT THE APPROVAL OF THE RESIDENT ENGINEER.
6. THE CONTRACTOR SHALL RESTORE ALL EROSION CONTROL DEVICES TO WORKING ORDER TO THE SATISFACTION OF THE COUNTY ENGINEER AFTER EACH RAINFALL PRODUCING RUN-OFF.
7. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL MEASURES AS MAY BE REQUIRED BY THE COUNTY ENGINEER DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES WHICH MAY ARISE.

8. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUND WATER CREATES A HAZARDOUS CONDITION.
9. ALL EROSION CONTROL MEASURES PROVIDED PER THE APPROVED GRADING AND STREET PLAN SHALL BE INCORPORATED HERON.
10. GRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY.
11. ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE FIVE DAY RAIN PROBABILITY FORECAST EXCEEDS 40%.

SITUATION AND SEDIMENT CONTROL MEASURES NOTES:

1. PROVIDE FILTER ROLLS OR TRAP BY EVERY STORM DRAIN INLET TO PREVENT SEDIMENT FROM ENTERING DRAIN SYSTEM.
2. FILTER ROLLS AND FILL MATERIAL SHALL BE STOCKPILED AT INTERVALS, READY FOR USE WHEN REQUIRED.
3. ALL EROSION CONTROL DEVICES WITHIN THE PROJECT SCOPE SHOULD BE MAINTAINED DURING AND AFTER EVERY RUNOFF-PRODUCING STORM. CONTRACTOR SHALL MAKE SAFE ACCESS TO ALL AREAS AVAILABLE FOR MAINTENANCE CREWS
4. ANY PROPOSED ALTERNATE CONTROL MEASURES MUST BE APPROVED IN ADVANCE BY THE COUNTY ENGINEER.

LEGEND	
	DRAINAGE FLOW DIRECTION
	STRAW BALE BARRIER (SC-9)
	SANDBAG BARRIER (SC-8)



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TOLL FREE 811
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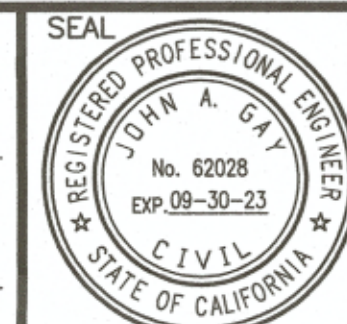
TWO WORKING DAYS BEFORE YOU DIG

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EROSION CONTROL PLAN	
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