



COUNTY OF IMPERIAL

IMPERIAL TOWNSITE VARIOUS ROAD IMPROVEMENTS

COUNTY PROJECT No.6995RMRA

GENERAL NOTES

STREET IMPROVEMENT GENERAL NOTES

1. COUNTY ENCROACHMENT PERMIT CONDITIONS AND PROVISIONS SHALL TAKE PRECEDENCE OVER THE APPROVED PLANS AND SPECIFICATIONS FOR ANY CONFLICTS.
2. 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).
3. APPROVAL OF THESE IMPROVEMENT PLANS AS SHOWN DOES NOT CONSTITUTE APPROVAL OF ANY CONSTRUCTION OUTSIDE THE PROJECT BOUNDARY.
4. ALL UNDERGROUND UTILITIES WITHIN THE STREET RIGHT-OF-WAY SHALL BE CONSTRUCTED, CONNECTED AND TESTED PRIOR TO CONSTRUCTION OF BERM, CURB, GROSS-GUTTER AND PAVING.
5. 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.
6. 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.
7. 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. IMPERIAL IRRIGATION DISTRICT (POWER)	(800) 303-7756
2. IMPERIAL IRRIGATION DISTRICT (WATER)	(760) 338-9380
3. AT&T	(337) 337-3314
4. THE GAS CO.	(909) 335-7982
5. THE CABLE COMPANY (SPECTRUM)	(760) 670-8969
6. CITY OF IMPERIAL (PUBLIC SERVICES)	(760) 355-1158

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 CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL NOTIFY THE SOUTHERN CALIFORNIA GAS COMPANY, AT&T, 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.

8. 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.
9. 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.
10. NO PAVING SHALL BE DONE UNTIL EXISTING POWER POLES ARE RELOCATED OUTSIDE THE AREA TO BE PAVED.
11. 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.
12. ALL SIGNS TO BE ALUMINUM WITH 3M HIGH INTENSITY TYPE REFLECTIVE FACE OR EQUIVALENT.
13. CONTRACTOR WILL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY STRIPING, PAVEMENT MARKERS, OR LEGENDS OBLITERATED BY THE CONSTRUCTION OF THIS PROJECT.
14. THE CONTRACTOR SHALL DO ALL NEW STRIPING AND SANDBLASTING OF REDUNDANT STRIPING.
15. THE CONSTRUCTION OF ONE PGG STANDARD DRIVEWAY PER LOT, LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER OF WORK, PGG SURFACING OF DRIVEWAY TO EXTEND FROM CURB TO PROPERTY LINE UNLESS OTHERWISE SHOWN.
16. 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) 285-1818. 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.

17. 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.
18. 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.
19. 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.
20. 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.
21. 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".
22. 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.
23. 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.
24. 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.
25. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE CURRENT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) OR AS DIRECTED BY THE IMPERIAL COUNTY TRAFFIC ENGINEER.
26. ANY EXISTING SURVEY MONUMENTS OR COUNTY RECOGNIZED BENCHMARKS SHALL BE PROTECTED BY THE CONTRACTOR. SHOULD ANY SUCH MONUMENTS OR BENCHMARKS BE REMOVED, DAMAGED, OBLITERATED OR ALTERED BY THE CONTRACTOR'S OPERATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER RESETTING OF THE SAME AS PER THE SUBDIVISION MAP ACT, THE PROFESSIONAL LAND SURVEYORS ACT AND 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 BY THE LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER.
27. 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.

THE NOTES LISTED ABOVE ARE A MINIMUM LIST. THIS DOES NOT RELIEVE THE ENGINEER FROM COMPLYING ADDITIONAL NOTES THAT MAY BE REQUIRED FOR THE PROJECT.

GRADING PLAN GENERAL NOTES

1. APPROVAL OF THIS GRADING PLAN DOES NOT CONSTITUTE APPROVAL OF VERTICAL OR HORIZONTAL ALIGNMENT OF ANY PRIVATE ROAD SHOWN HEREON FOR COUNTY ROAD PURPOSES.
2. 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.
3. IMPORT MATERIAL SHALL BE OBTAINED FROM A LEGAL SITE.
4. 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) 442-285-1818. 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 OF THE COUNTY DEPARTMENT OF PUBLIC WORKS.
5. 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.	(909) 335-7982
ID POWER:	TELEPHONE NO.	(800) 303-7756
AT&T WATER:	TELEPHONE NO.	(760) 338-9380
AT&T TELEPHONE:	TELEPHONE NO.	(337) 337-3314
CATV:	TELEPHONE NO.	(760) 670-8969
SPECTRUM COMM.	TELEPHONE NO.	(760) 670-8969
6. A SOILS REPORT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A BUILDING PERMIT AND/OR GRADING PLAN APPROVAL.

7. 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.
8. 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.
9. 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.
10. 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 ON 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 CONTRACTOR RESPONSIBLE FOR CORRECTION OF NON-DEDICATED IMPROVEMENTS WHICH DAMAGE ADJACENT PROPERTY.
11. SPECIAL CONDITION: IF ANY ARCHEOLOGICAL RESOURCES ARE DISCOVERED ON THE SITE OF THIS GRADING OPERATION, SUCH OPERATION WILL CEASE IMMEDIATELY AND THE CONTRACTOR WILL NOTIFY THE DIRECTOR OF THE PLANNING DEPARTMENT AND THE DISCOVERY. GRADING OPERATION WILL NOT RECOMMENCE UNTIL THE CONTRACTOR HAS RECEIVED WRITTEN AUTHORITY FROM THE DIRECTOR OF PLANNING TO DO SO.
12. THE CONSTRUCTION OF ONE PGG STANDARD DRIVEWAY PER LOT, LOCATION TO BE DETERMINED IN THE FIELD BY ENGINEER OF WORK AND APPROVED BY COUNTY PUBLIC WORKS INSPECTOR, PGG SURFACING OF DRIVEWAY TO EXTEND FROM CURB TO PROPERTY LINE.
13. ALL GRADING SHALL CONFORM TO THE UNIFORM BUILDING CODE APPENDIX CHAP. 33, AS AMENDED BY TITLE 9 LAND USE ORDINANCE.
14. ALL PROPERTY CORNERS SHALL BE CLEARLY DELINEATED IN THE FIELD PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION AND/OR GRADING.
15. 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.
16. DUST SHALL BE CONTROLLED IN ACCORDANCE WITH THE APPROVED PM10 PLAN. APPROVAL SHALL BE BY IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT.
17. NO FILL SHALL BE PLACED ON EXISTING GROUND UNTIL THE EXISTING GROUND HAS BEEN CLEARED OF WEEDS, DEBRIS, TOPSOIL AND OTHER DELETERIOUS MATERIAL.
18. THE MAXIMUM ALLOWABLE CUT AND FILL SLOPES ARE 2:1, UNLESS A SLOPE STABILITY ANALYSIS AUTHORIZES A STEEPER SLOPE AND HAS BEEN APPROVED.
19. 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.
20. A BROW DITCH DESIGNED TO HANDLE THE FLOWS TO FROM A 100-YR. STORM EVENT SHALL BE CONSTRUCTED ALONG THE TOP OF ALL CUT SLOPES.
21. NO OBSTRUCTION OF FLOOD PLAINS OR NATURAL WATER COURSES WILL BE PERMITTED.
22. 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. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTROL DRAINAGE AWAY FROM BUILDINGS DURING CONSTRUCTION.
23. 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.
24. 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.
25. 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.
26. THE CONTRACTOR SHALL NOTIFY "UNDERGROUND SERVICE ALERT" AT 811 A MINIMUM OF TWO DAYS PRIOR TO THE COMMENCEMENT OF ANY DIGGING OR EXCAVATION.

LEGEND

ITEM NO.	ITEM	LEGEND
1.	EDGE OF EXISTING PAVEMENT	---
2.	CENTERLINE/BASELINE	---
3.	FENCE	---
4.	POWER POLE OR TELEPHONE POLE	---
5.	SIGN	---
6.	CITY OF IMPERIAL BOUNDARY	---
7.	EXISTING CONCRETE	---
8.	NEW P.C.C. CONCRETE	---
9.	NEW A.C. PAVEMENT	---

BASIS OF BEARINGS

PROJECT BASIS OF BEARINGS:
N/A

BENCHMARK

BENCHMARK DESCRIPTION:

N/A

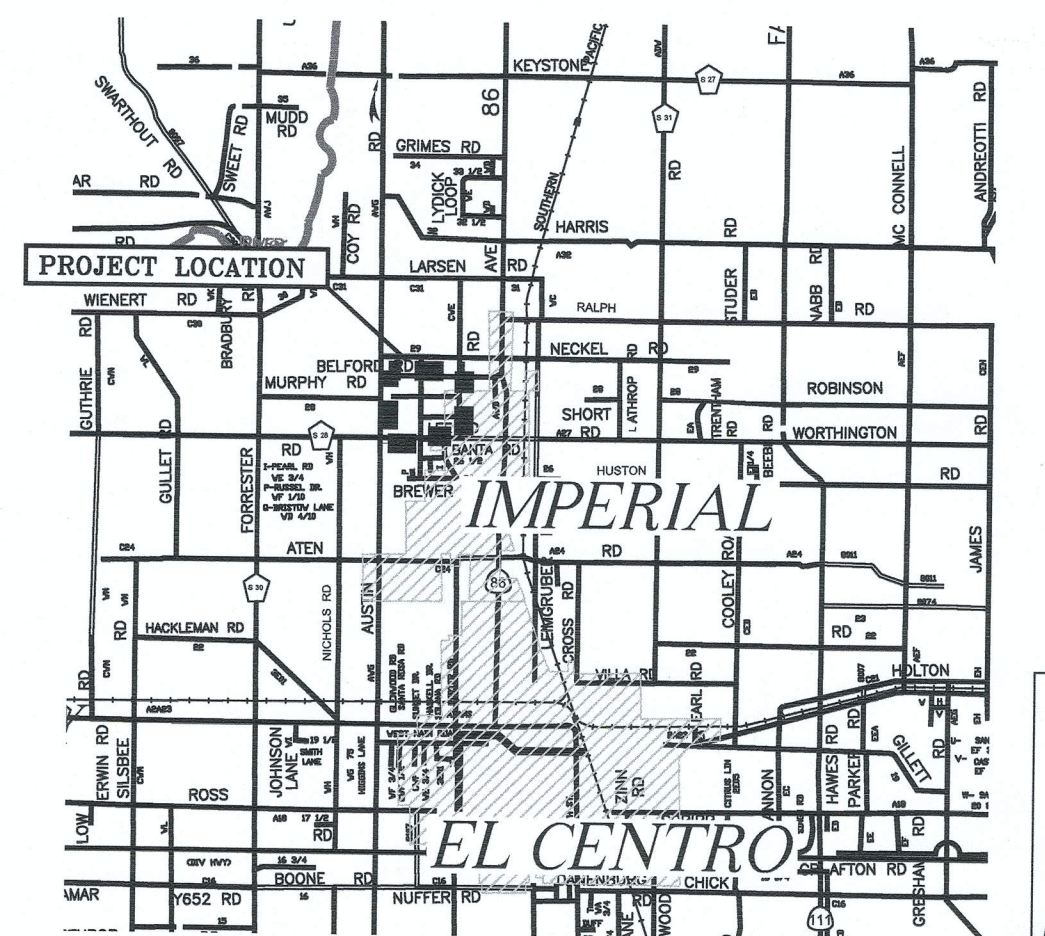
MONUMENTS DESCRIPTIONS:

N/A

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
BM	BENCHMARK	%	PERCENT
C	CENTERLINE	P.P.	POWER POLE
CP	CONTROL POINT	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
F	FLOWLINE	TOP	TOP OF PIPE
FF	FINISH FLOOR	TC	TOP OF CURB
FS	FINISH SURFACE	T.P.	TOP OF PAVEMENT

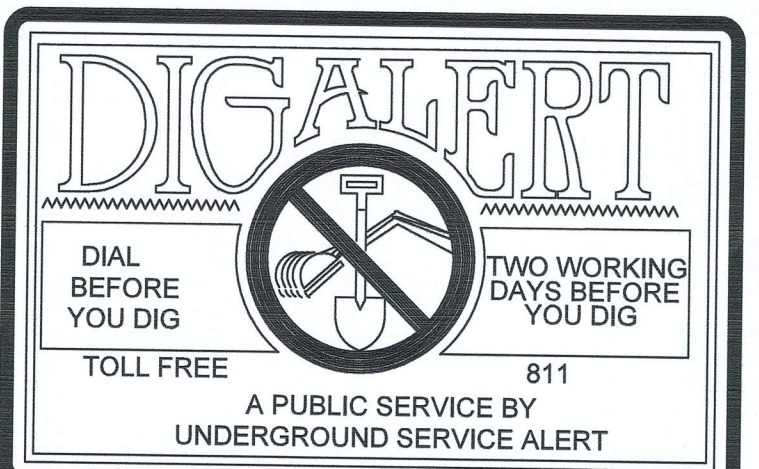
VICINITY MAP



SHEET INDEX

1. TITLE SHEET
2. IMPERIAL TOWNSITE ROADWAY IMPROVEMENT PLAN
3. IMPERIAL TOWNSITE ROADWAY BLOWUP DETAIL/ EROSION CONTROL NOTES SHEET
4. IMPERIAL TOWNSITE ROADWAY IMPROVEMENT PLAN SECTIONS
5. IMPERIAL TOWNSITE ROADWAY DETAIL SHEET
6. IMPERIAL TOWNSITE ROADWAY STRIPING PLAN
7. IMPERIAL TOWNSITE ROADWAY STRIPING PLAN
8. IMPERIAL TOWNSITE ROADWAY STRIPING PLAN DETAIL
9. IMPERIAL TOWNSITE ROADWAY STRIPING PLAN DETAIL

THE CONTRACTOR SHALL POSSESS A CALIFORNIA CONTRACTOR'S LICENSE, CLASS A, AT THE TIME THIS CONTRACT IS AWARDED.



REVISION	DATE	COMMENTS
Rev. 001	10/24/25	PRECIADO RD AND APOLONIA RD WERE ADDED



PREPARED UNDER THE DIRECT SUPERVISION OF:

VERONICA ATONDO, P.E.
DEPUTY DIRECTOR OF PUBLIC WORKS - ENGINEERING
DATE 10/27/25
REG. EXP. 06/30/27



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
APPROVED FOR CONSTRUCTION BY:

JOHN A. GAY, P.E.
DIRECTOR OF PUBLIC WORKS
DATE 10/27/25
REG. EXP. 09/30/27



PUBLIC WORKS DEPARTMENT
COUNTY OF IMPERIAL
EL CENTRO, CALIFORNIA

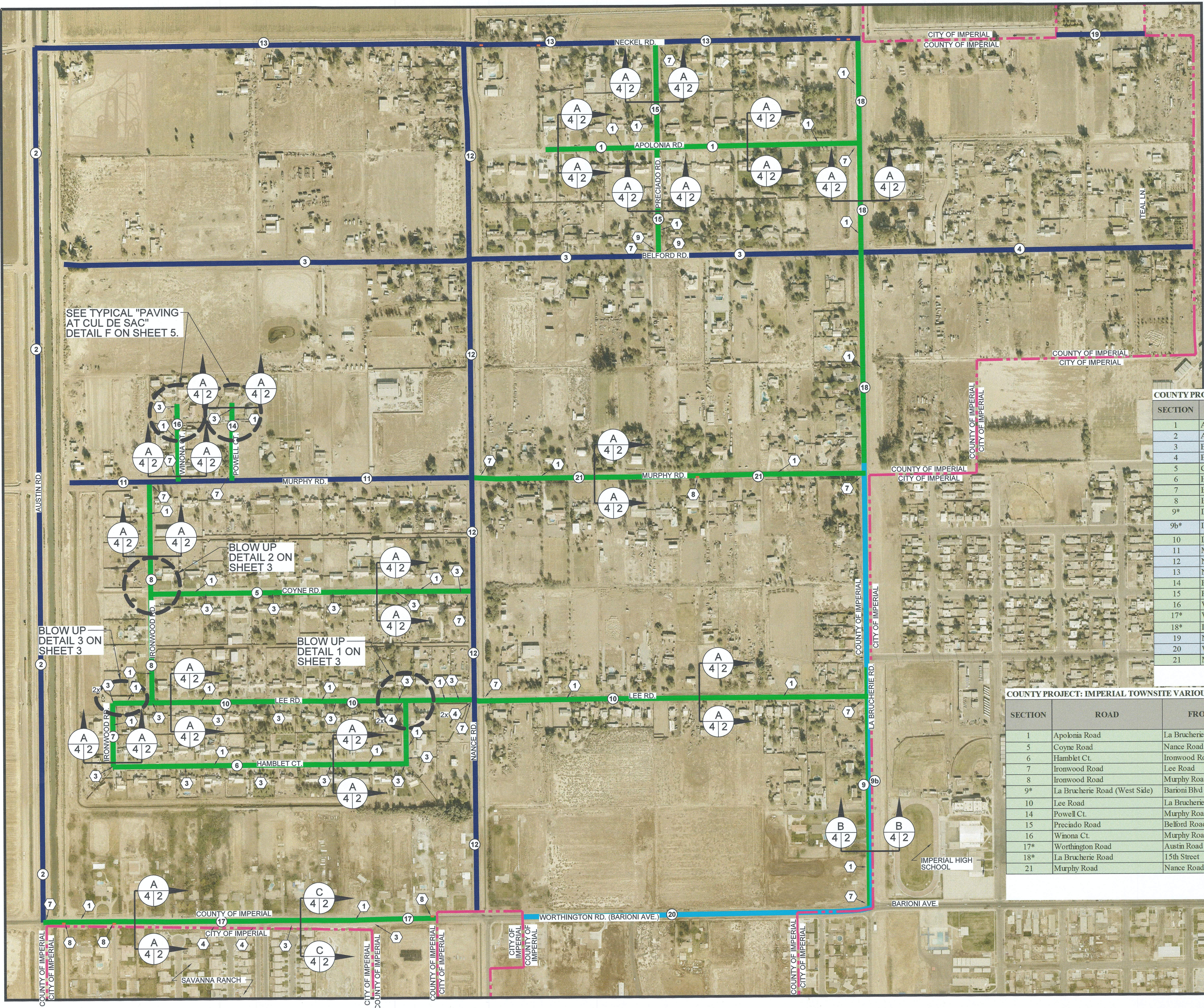
DATE 10/24/25
DRAWN AG
SCALE N/A
CHECKED V.A./A.G.

PROJECT TITLE

IMPERIAL TOWNSITE VARIOUS ROAD IMPROVEMENTS
COUNTY PROJECT No.6995RMRA

TITLE SHEET

REFERENCE R-1016
6995RMRA
SHEET 1 OF 9



LEGEND

ITEM NO.	SYMBOL	
1		CONTRACTOR SHALL GRIND THE EXISTING A.C. PAVEMENT FOR A MAXIMUM 1-INCH IN DEPTH. CONTRACTOR SHALL CLEAN AND SEAL ALL CRACKS WIDER THAN 1/4-INCH WITH A RUBBERIZED CRACK FILLER MATERIAL. AFTER THE GRINDING AND CRACK SEALING PROCESS HAS BEEN COMPLETED THE CONTRACTOR SHALL INSTALL A VARIABLE DEPTH A.C. PAVEMENT OVERLAY, ASPHALT RUBBER AGGREGATE MEMBRANE (ARAM) AND A TYPE 2 SLURRY SEAL. SEE SECTION A-A THROUGH C-C ON SHEET 4.
2		PREVIOUSLY REHABILITATED
3		FUTURE PROJECTS
4		COUNTY OF IMPERIAL/CITY OF IMPERIAL BOUNDARY

CONSTRUCTION KEYNOTES

- CONTRACTOR SHALL GRIND THE EXISTING A.C. PAVEMENT FOR A MAXIMUM 1-INCH IN DEPTH. CONTRACTOR SHALL CLEAN AND SEAL ALL CRACKS WIDER THAN 1/4-INCH WITH A RUBBERIZED CRACK FILLER MATERIAL. AFTER THE GRINDING AND CRACK SEALING PROCESS HAS BEEN COMPLETED THE CONTRACTOR SHALL INSTALL A VARIABLE DEPTH A.C. PAVEMENT OVERLAY, ASPHALT RUBBER AGGREGATE MEMBRANE (ARAM) AND A TYPE 2 SLURRY SEAL. SEE SECTION A-A THROUGH C-C ON SHEET 4.
- INSTALL 3-INCHES OF A.C. PAVEMENT OVER 14-INCHES OF CLASS 2 BASE. COMPACT CLASS 2 BASE MATERIAL TO 95 PERCENT MAXIMUM DENSITY PER ASTM D-1557. SEE BLOW UP DETAIL 1 AND 2 ON SHEET 3.
- CONTRACTOR TO RAISE SANITARY SEWER DRAIN MANHOLE FRAME AND COVER PER DETAIL B ON SHEET 5 OR AS DIRECTED BY THE ENGINEER.
- CONTRACTOR TO RAISE WATER VALVE FRAME AND COVERS PER DETAIL C ON SHEET 5 OR AS DIRECTED BY THE ENGINEER.
- CONTRACTOR TO GRADE EXISTING NATIVE MATERIAL FLUSH WITH NEW A.C. PAVEMENT FOR A HORIZONTAL DISTANCE OF 4-FOOT TO DAYLIGHT. COMPACT NATIVE MATERIAL TO 90 PERCENT OF MAXIMUM DENSITY PER ASTM D-1557. APPLY LIGHT MIST OF WATER TO THE NATIVE SURFACE AFTER FINAL GRADING IS SATISFACTORILY COMPLETED AS DIRECTED BY THE ENGINEER.
- INSTALL P.C.C. CONCRETE VALLEY GUTTER OVER 14-INCHES OF CLASS 2 BASE. COMPACT CLASS 2 BASE MATERIAL TO 95 PERCENT MAXIMUM DENSITY PER ASTM D-1557. PER COUNTY STANDARD DETAIL 415. SEE DETAIL D ON SHEET 5.
- INSTALL STOP BAR, "STOP LEGEND AND STRIPE PER TYPICAL STOP MARKINGS AND STRIPING AT INTERSECTION DETAIL G ON SHEET 5.
- CONTRACTOR SHALL SAWCUT IN STRAIGHT LINES DETERIORATED ASPHALT PAVEMENT AREA (POTHOLE), REMOVED LOOSE ASPHALT AND REPLACE WITH ASPHALT PAVEMENT. SEE DETAIL H ON SHEET 5.
- INSTALL GRAVEL BAGS PER "GRAVEL BAG DETAIL" ON SHEET 3. THE GRAVEL BAGS SHALL BE INSTALLED AT AS DIRECTED BY THE ENGINEER.

COUNTY PROJECT: IMPERIAL TOWNSITE VARIOUS ROADS: COMPLETE ROAD LIST

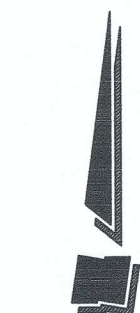
SECTION	ROAD	FROM	TO	LENGTH (FT)	WIDTH (FT)	ROAD SQ FT	ROAD SQ YD
1	Apolonia Road	La Brucherie Road	End of Road	1913	25	47825	5314
2	Austin Road	Worthington Road	Neckel Road	5278	25	131950	14661
3	Belford Road	La Brucherie Road	End of Road	4831	25	120775	13419
4	Belford Road	La Brucherie Road	Teal Ln.	1682	25	42050	4672
5	Coyne Road	Nance Road	Ironwood Road	1941	24	46584	5176
6	Hamblet Ct.	Ironwood Road	Lee Road	2157	24	51768	5752
7	Ironwood Road	Lee Road	Hamblet Ct.	383	24	9192	1021
8	Ironwood Road	Murphy Road	Lee Road	1336	26	34736	3860
9*	La Brucherie Road (West Side)	Barioni Blvd	14th Street	1391	18	24253	2695
9b*	La Brucherie Road (East Side)	Barioni Blvd	14th Street	1391	18	24253	2695
10	Lee Road	La Brucherie Road	End of Road	4573	25	114325	12703
11	Murphy Road	West End of Road	Nance Road	2433	25	60825	6758
12	Nance Road	Worthington Road	Neckel Road	5280	31	163680	18187
13	Neckel Road	La Brucherie Road	Austin Road	4996	24	119904	13323
14	Powell Ct.	Murphy Road	End of Road	469	26	12194	1355
15	Preciado Road	Belford Road	Neckel Road	1290	24	30960	3440
16	Winona Ct.	Murphy Road	End of Road	469	26	12194	1355
17*	Worthington Road	Austin Road	300 West of Nance Road	2371	35	82985	9221
18*	La Brucherie Road	15th Street	Neckel Road	2606	35	91210	10134
19	Neckel Road	La Brucherie Road	Austin Road	535	24	12840	1427
20	Worthington Road	100 east of Nance Rd	La Brucherie Road	2371	35	77863	8651
21	Murphy Road	Nance Road	La Brucherie Road	2400	25	60000	6667
TOTAL				52096.00 LF.		1421205 SQ FT.	157912 SQ YD.
OR TOTAL				9.87 MILES			

COUNTY PROJECT: IMPERIAL TOWNSITE VARIOUS ROADS (TABLE 1)

SECTION	ROAD	FROM	TO	LENGTH (FT)	WIDTH (FT)	ROAD SQ FT	ROAD SQ YD	AC TON	SLURRY SEAL COAT DRY POUND SAND 18LBS PER SYD (TONS)
1	Apolonia Road	La Brucherie Road	End of Road	1913	25	47825	5314	560	48
5	Coyne Road	Nance Road	Ironwood Road	1941	24	46584	5176	545	47
6	Hamblet Ct.	Ironwood Road	Lee Road	2157	24	51768	5752	606	52
7	Ironwood Road	Lee Road	Hamblet Ct.	383	24	9192	1021	108	9
8	Ironwood Road	Murphy Road	Lee Road	1336	26	34736	3860	406	35
9*	La Brucherie Road (West Side)	Barioni Blvd	14th Street	1391	18	25038	2782	293	25
10	Lee Road	La Brucherie Road	End of Road	4573	25	114325	12703	1338	114
14	Powell Ct.	Murphy Road	End of Road	469	26	12194	1355	143	12
15	Preciado Road	Belford Road	Neckel Road	1290	24	30960	3440	362	31
16	Winona Ct.	Murphy Road	End of Road	469	26	12194	1355	143	12
17*	Worthington Road	Austin Road	300 West of Nance Road	2371	35	82985	9221	971	83
18*	La Brucherie Road	15th Street	Neckel Road	2606	35	91210	10134	1067	91
21	Murphy Road	Nance Road	La Brucherie Road	2400	25	60000	6667	702	60
Total				21386 LF.	312 FT.	571186 SQ FT.	63465 SQ YD.	6683 TONS	571 TONS
OR TOTAL				4.05 MILES					

NOTES:

- CONTRACTOR SHALL PROTECT SURVEY MONUMENT, CORNERS, ACCESSORIES AND/OR BENCHMARK (SEE GENERAL NOTE 26 ON TITLE SHEET). EXACT LOCATION SHALL BE DETERMINED BY CONTRACTOR PRIOR TO CONSTRUCTION ACTIVITIES. CONTRACTOR'S SURVEYOR SHALL FILE FORMS MPR-01 AND MPR-02.
- CONTRACTOR TO INSTALL MONUMENT FRAME AND COVERS PER DETAIL B ON SHEET 5 OR AS DIRECTED BY THE ENGINEER.
- CONTRACTOR WILL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY STRIPING PAVEMENT MARKERS, OR LEGENDS REMOVED BY THE CONSTRUCTION OF THIS PROJECT.
- POTHOLE LOCATION IS APPROXIMATE. POTHOLE LOCATION AND AREA SHALL BE AS DIRECTED BY THE RESIDENT ENGINEER.
- EXISTING STRIPING SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO REMOVAL AND REPLACE IN EXACT LOCATION.



SCALE 1" = 300'

REVISION	DATE	COMMENTS
Rev. 001	10/24/25	PRECIADO RD AND APOLONIA RD WERE ADDED



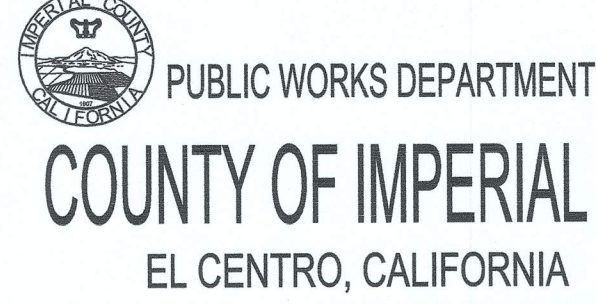
PREPARED UNDER THE DIRECT SUPERVISION OF:
Veronica A. Gay
VERONICA A. GAY, P.E.
DEPUTY DIRECTOR OF PUBLIC WORKS - ENGINEERING
DATE: 10/27/25

61484
R.C.E. No.
06/30/27
REG. EXP.



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
APPROVED FOR CONSTRUCTION BY:
John A. Gay
JOHN A. GAY, P.E.
DIRECTOR OF PUBLIC WORKS
DATE: 10/27/25

62028
R.C.E. No.
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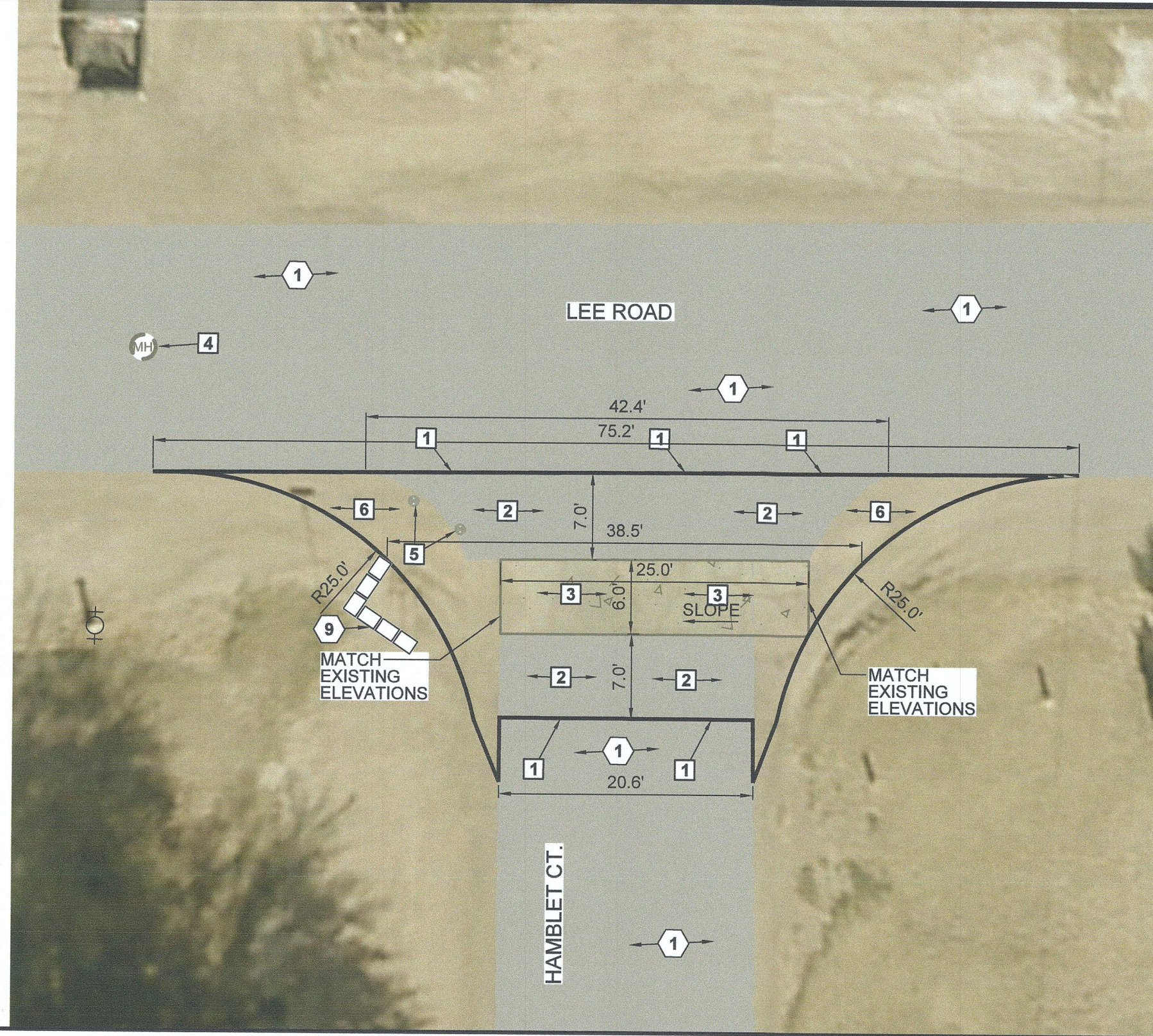
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SCALE: 1" = 300'
CHECKED: V.A./A.G.

PROJECT TITLE

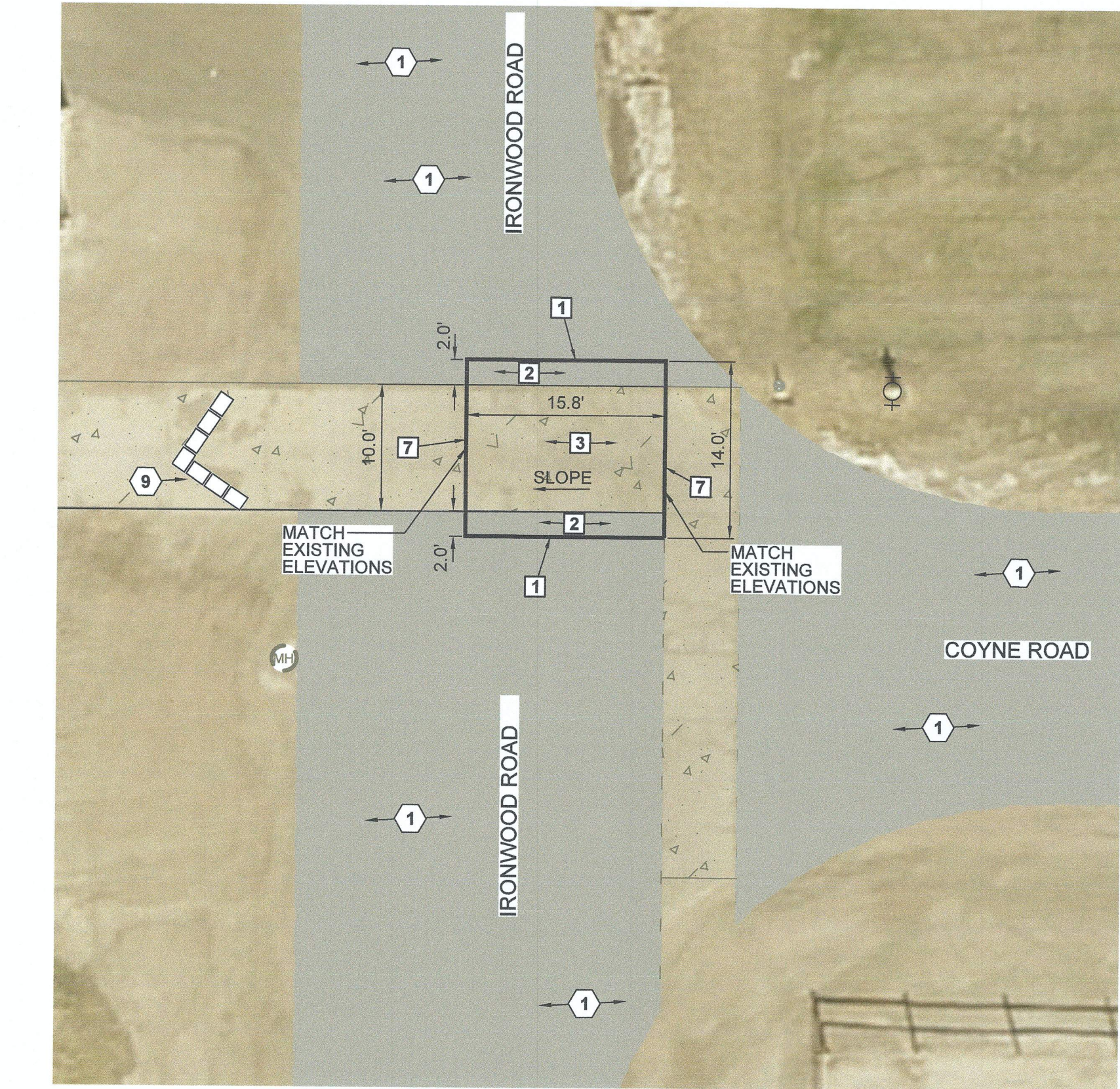
IMPERIAL TOWNSITE VARIOUS ROAD IMPROVEMENTS
COUNTY PROJECT No. 6995RMRA

IMPERIAL TOWNSITE ROADWAY IMPROVEMENT PLAN

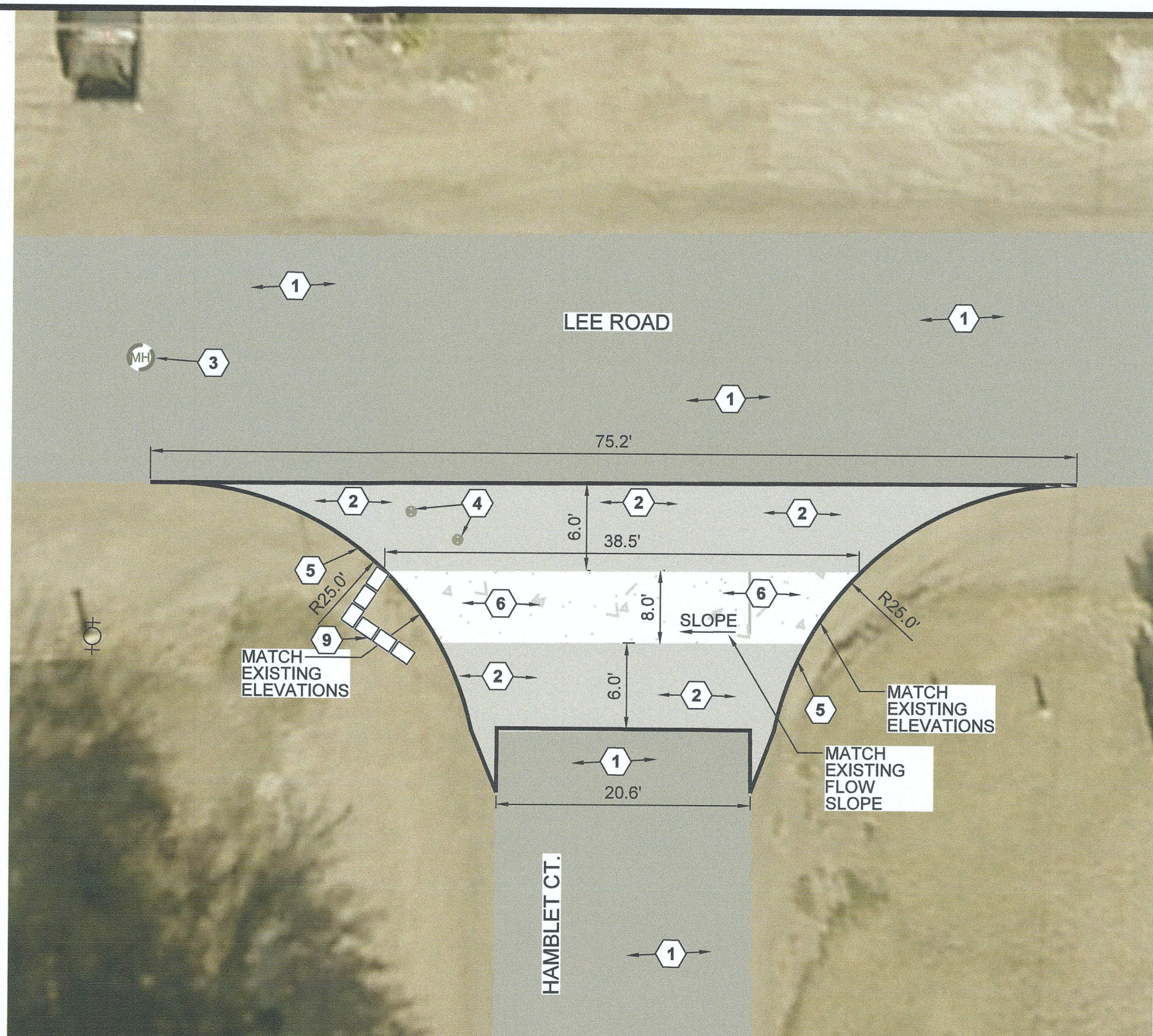
REFERENCE: 6995RMRA
SHEET 2 OF 9
R-1016



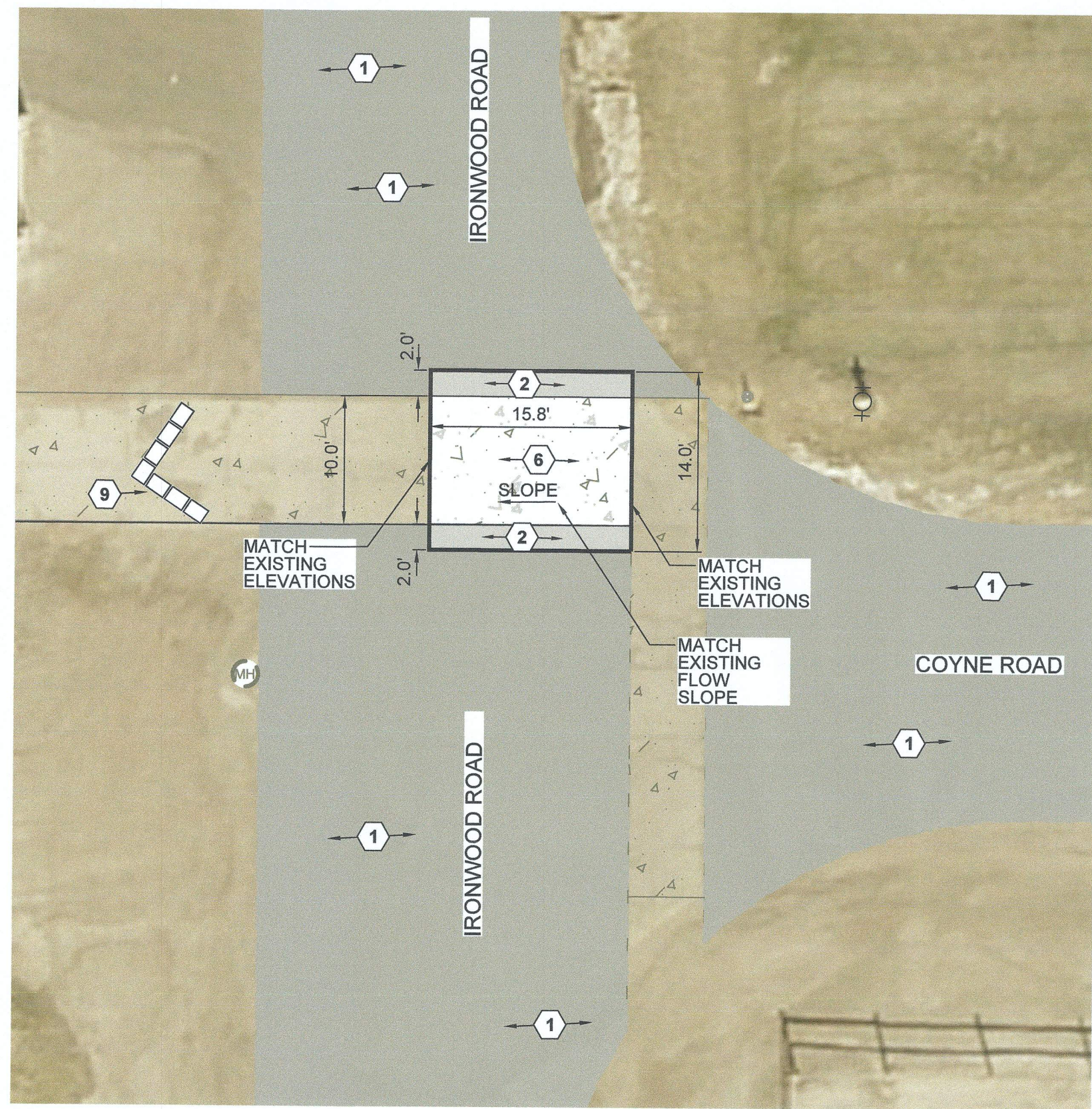
BLOW UP DETAIL 1
EXISTING
NTS



BLOW UP DETAIL 2
EXISTING
NTS



BLOW UP DETAIL 1
CONSTRUCTION
NTS



NOTE:
INSTALL A 8-INCH IN LENGTH NO. 4 REBAR DOWEL INTO EXISTING P.C.C. CONCRETE, SIDEWALK, CURB AND GUTTER, AND OR CROSS GUTTER. DRILL 4-INCHES INTO EXISTING EXISTING P.C.C. SIDEWALK, CURB AND GUTTER, AND OR CROSS GUTTER. INJECT EPOXY INTO THE BACK OF HOLES APPROXIMATELY HALFWAY. INSERT THE 8-INCH NO. 4 REBAR.

BLOW UP DETAIL 2
CONSTRUCTION
NTS

DEMOLITION KEYNOTES

- 1 SAWCUT THE EXISTING A.C. PAVEMENT FOR THE FULL DEPTH OF THE A.C. PAVEMENT.
- 2 REMOVE AND DISPOSE OF EXISTING A.C. PAVEMENT AND UNDERLYING MATERIAL TO SUBBASE DESIGN GRADE.
- 3 REMOVE AND DISPOSE OF EXISTING P.C.C. CROSS GUTTER AND UNDERLYING MATERIAL TO SUBBASE DESIGN GRADE.
- 4 CONTRACTOR TO LOWER THE SANITARY SEWER MANHOLE FRAME AND COVER TO 0.30 FEET BELOW GRADE PRIOR TO PAVING ACTIVITIES. SEE DETAIL B ON SHEET 5.
- 5 CONTRACTOR TO LOWER WATER VALVE RISER TO 0.30 FEET BELOW GRADE PRIOR TO PAVING ACTIVITIES. SEE DETAIL C ON SHEET 5.
- 6 REMOVE AND DISPOSE OF NATIVE MATERIAL AND UNDERLYING MATERIAL TO SUBBASE DESIGN GRADE.
- 7 SAWCUT THE EXISTING P.C.C. CROSS GUTTER FOR THE FULL DEPTH OF THE A.C. PAVEMENT.

CONSTRUCTION KEYNOTES

- 1 CONTRACTOR SHALL GRIND THE EXISTING A.C. PAVEMENT FOR A MAXIMUM 1-INCH IN DEPTH. CONTRACTOR SHALL CLEAN AND SEAL ALL CRACKS WIDER THAN 1/4-INCH WITH A RUBBERIZED CRACK FILLER MATERIAL. AFTER THE GRINDING AND CRACK SEALING PROCESS HAS BEEN COMPLETED THE CONTRACTOR SHALL INSTALL A VARIABLE DEPTH A.C. PAVEMENT OVERLAY, ASPHALT RUBBER AGGREGATE MEMBRANE (ARAM) AND A TYPE 2 SLURRY SEAL. SEE SECTION A-A THROUGH C-C ON SHEET 4.
- 2 INSTALL 3-INCHES OF A.C. PAVEMENT OVER 14-INCHES OF CLASS 2 BASE. COMPACT CLASS 2 BASE MATERIAL TO 95 PERCENT MAXIMUM DENSITY PER ASTM D-1557. SEE BLOW UP DETAIL 1 AND 2 ON SHEET 3.
- 3 CONTRACTOR TO RAISE SANITARY SEWER DRAIN MANHOLE FRAME AND COVER PER DETAIL B ON SHEET 5 OR AS DIRECTED BY THE ENGINEER.
- 4 CONTRACTOR TO RAISE WATER VALVE FRAME AND COVERS PER DETAIL C ON SHEET 5 OR AS DIRECTED BY THE ENGINEER.
- 5 CONTRACTOR TO GRADE EXISTING NATIVE MATERIAL FLUSH WITH NEW A.C. PAVEMENT FOR A HORIZONTAL DISTANCE 4-FOOT TO DAYLIGHT. COMPACT NATIVE MATERIAL TO 95 PERCENT OF MAXIMUM DENSITY PER ASTM D-1557. APPLY LIGHT MIST OF WATER TO THE NATIVE SURFACE AFTER FINAL GRADING IS SATISFACTORILY COMPLETED AS DIRECTED BY THE ENGINEER.
- 6 INSTALL P.C.C. CONCRETE VALLEY GUTTER OVER 14-INCHES OF CLASS 2 BASE. COMPACT CLASS 2 BASE MATERIAL TO 95 PERCENT MAXIMUM DENSITY PER ASTM D-1557. PER COUNTY STANDARD DETAIL 415. SEE DETAIL D ON SHEET 3.
- 7 INSTALL STOP BAR "STOP LEGEND AND STRIPE PER TYPICAL STOP MARKINGS AND STRIPING AT INTERSECTION DETAIL G ON SHEET 5.
- 8 CONTRACTOR SHALL SAWCUT IN STRAIGHT LINES DETERIORATED ASPHALT PAVEMENT AREA (POTHOLE), REMOVED LOOSE ASPHALT AND REPLACE WITH ASPHALT PAVEMENT. SEE DETAIL H ON SHEET 5.
- 9 INSTALL GRAVEL BAGS PER "GRAVEL BAG DETAIL" ON SHEET 3. THE GRAVEL BAGS SHALL BE INSTALLED AT AS DIRECTED BY THE ENGINEER.

LEGEND

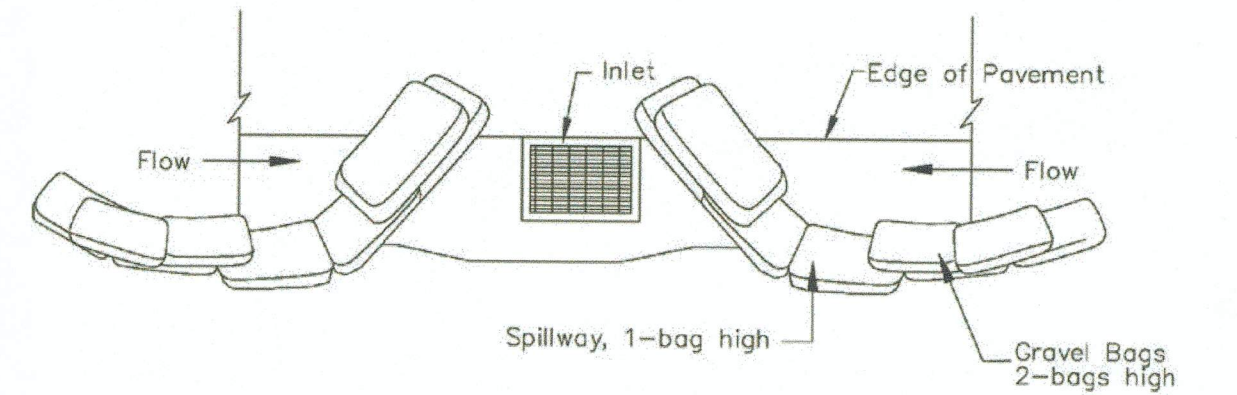
ITEM NO.	SYMBOL	SYMBOL
1	(X)	CONTRACTOR SHALL GRIND THE EXISTING A.C. PAVEMENT FOR A MAXIMUM 1-INCH IN DEPTH. CONTRACTOR SHALL CLEAN AND SEAL ALL CRACKS WIDER THAN 1/4-INCH WITH A RUBBERIZED CRACK FILLER MATERIAL. AFTER THE GRINDING AND CRACK SEALING PROCESS HAS BEEN COMPLETED THE CONTRACTOR SHALL INSTALL A VARIABLE DEPTH A.C. PAVEMENT OVERLAY, ASPHALT RUBBER AGGREGATE MEMBRANE (ARAM) AND A TYPE 2 SLURRY SEAL. SEE SECTION A-A THROUGH C-C ON SHEET 4.
2		PREVIOUSLY REHABILITATED
3		FUTURE PROJECTS
4		COUNTY OF IMPERIAL/CITY OF IMPERIAL BOUNDARY

EROSION CONTROL NOTES:

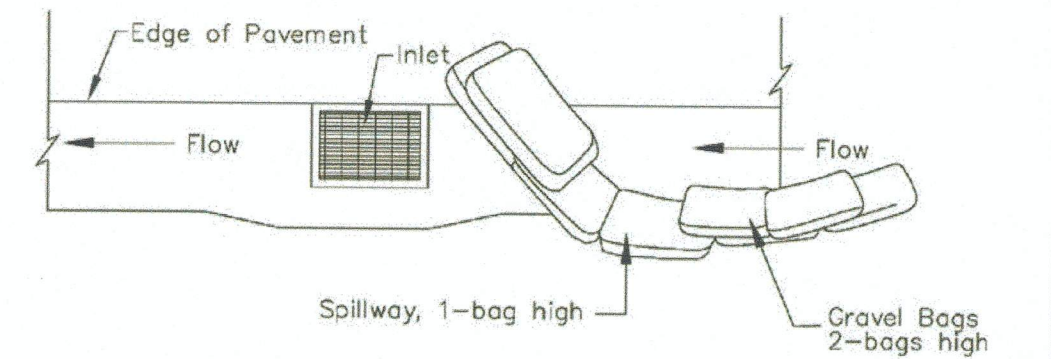
1. NO SITE CLEARING OR GRADING SHALL BEGIN UNTIL ALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED.
2. CONTRACTOR SHALL PROVIDE PORTABLE RESTROOM FACILITIES TO A LOCATION APPROVED BY THE RESIDENT ENGINEER.
3. TEMPORARY EROSION CONTROL PRIOR TO COMPLETION OF FINAL IMPROVEMENTS SHALL BE PERFORMED BY THE CONTRACTOR AS INDICATED BELOW.
4. THE GRADING CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN UP OF SILT AND MUD ON ADJACENT STREETS DUE TO CONSTRUCTION ACTIVITY/TO PREVENT SILT AND MUD FROM LEAVING THE CONSTRUCTION AREA.
5. THE CONTRACTOR SHALL CHECK AND PROTECT LINED AND UNLINED DITCHES AFTER EACH RAINFALL.
6. 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.
7. DEVICES SHOWN ON THESE PLANS SHALL NOT BE MOVED OR MODIFIED WITHOUT THE APPROVAL OF THE RESIDENT ENGINEER.
8. THE CONTRACTOR SHALL RESTORE ALL EROSION CONTROL DEVICES TO WORKING ORDER TO THE SATISFACTION OF THE COUNTY ENGINEER AFTER EACH RAINFALL PRODUCING RUN-OFF.
9. 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.
10. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUND WATER CREATES A HAZARDOUS CONDITION.
11. ALL EROSION CONTROL MEASURES PROVIDED PER THE APPROVED GRADING AND STREET PLAN SHALL BE INCORPORATED HEREON.
12. GRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY.
13. 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%.

SILTATION 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.



TYPICAL PROTECTION FOR INLET WITH OPPOSING FLOW DIRECTIONS

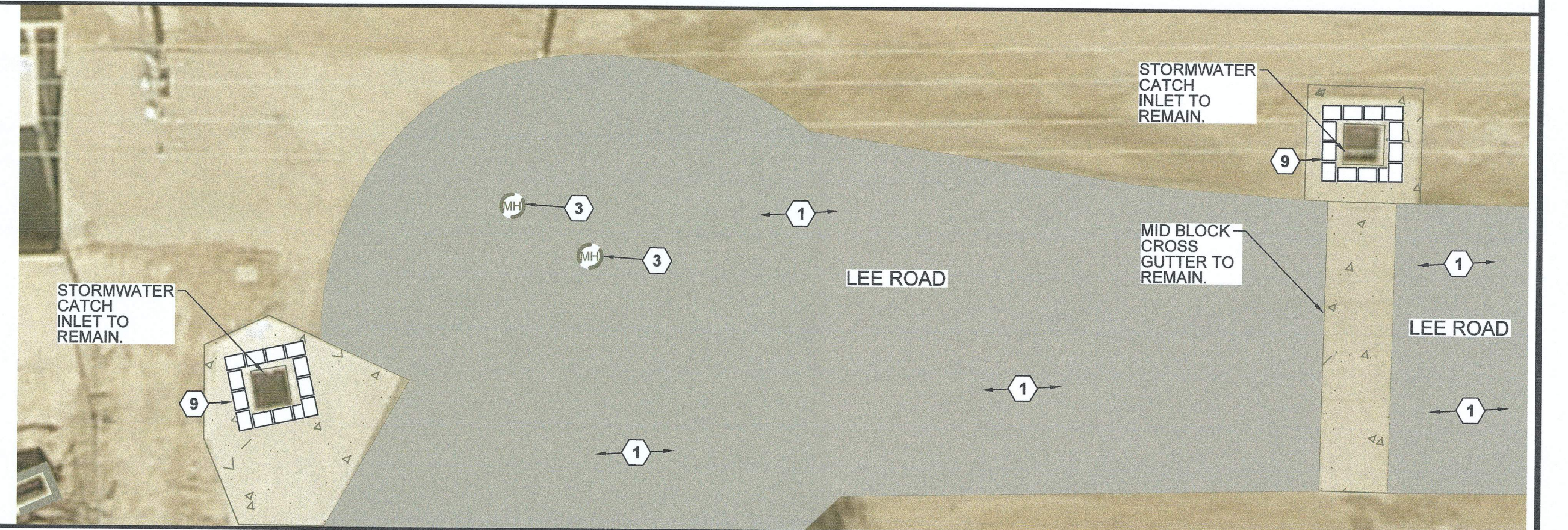


TYPICAL PROTECTION FOR INLET WITH SINGLE FLOW DIRECTION

NOTES:

1. Intended for short-term use.
2. Use to inhibit non-storm water flow.
3. Allow for proper maintenance and cleanup.
4. Bags must be removed after adjacent operation is completed.
5. Not applicable in areas with high silts and clays without filter fabric.

GRAVEL BAG DETAIL



BLOW UP DETAIL 3
NTS

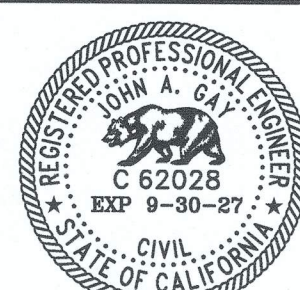
REVISION	DATE	COMMENTS
Rev. 001	10/24/25	PRECIADO RD AND APOLONIA RD WERE ADDED



PREPARED UNDER THE DIRECT SUPERVISION OF:

Atondo V.
VERONICA ATONDO, P.E.
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WORKS - ENGINEERING
10/27/25
DATE

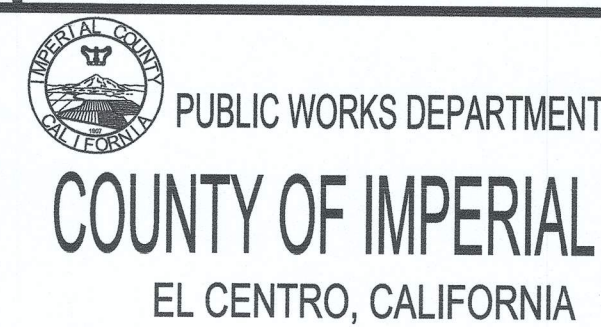
61484
R.C.E. No.
06/30/27
REG. EXP.



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
APPROVED FOR CONSTRUCTION BY:

John Gay
JOHN A. GAY, P.E.
DIRECTOR OF PUBLIC WORKS
10/27/25
DATE

62028
R.C.E. No.
09/30/27
REG. EXP.



DATE
10/24/25
DRAWN
AG
SCALE
1" = 10'
CHECKED
V.A./A.G.

PROJECT TITLE

IMPERIAL TOWNSITE VARIOUS ROAD
IMPROVEMENTS
COUNTY PROJECT No.6995RMRA

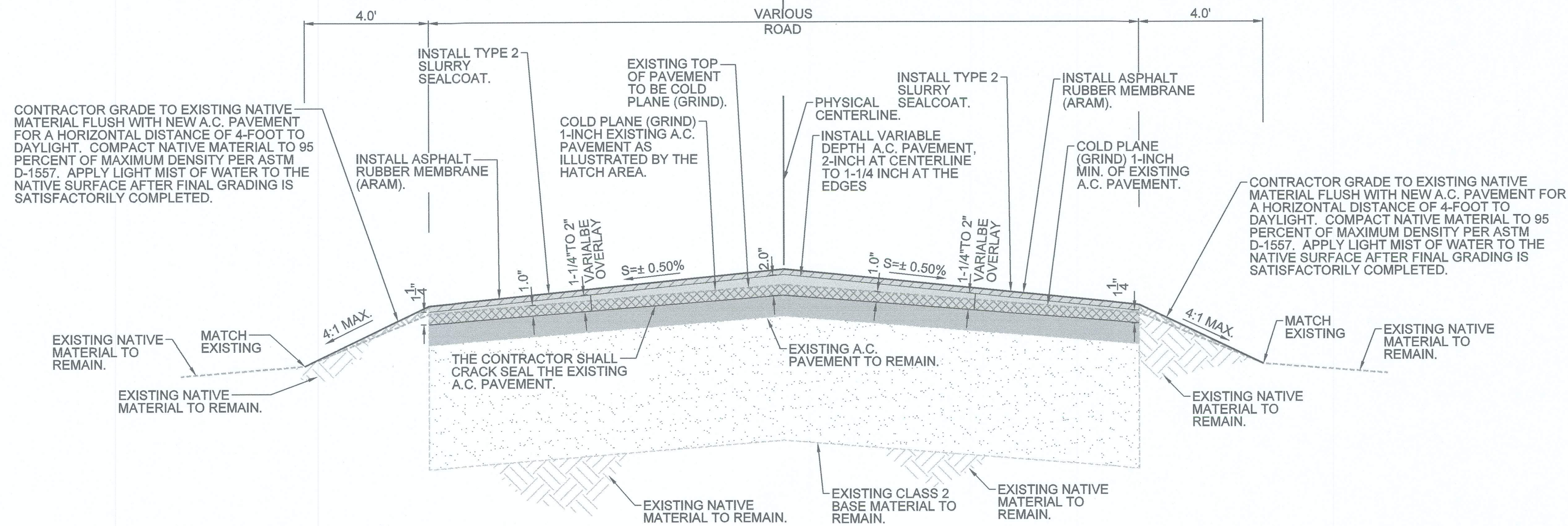
IMPERIAL TOWNSITE ROADWAY BLOWUP DETAIL SHEET/
EROSION CONTROL NOTES

REFERENCE
6995RMRA

R-1016

SHEET 3 OF 9

*NOTE: CONTRACTOR SHALL CLEAN AND SEAL ALL CRACKS WIDER THAN 1/4-INCH WITH A RUBBERIZED CRACK FILLER MATERIAL AFTER THE GRINDING AND CRACK SEALING PROCESS HAS BEEN COMPLETED THE CONTRACTOR SHALL SWEEP AND TACK COAT THE EXISTING A.C. PAVEMENT SURFACE PRIOR TO INSTALLING THE VARIABLE DEPTH A.C. PAVEMENT OVERLAY.

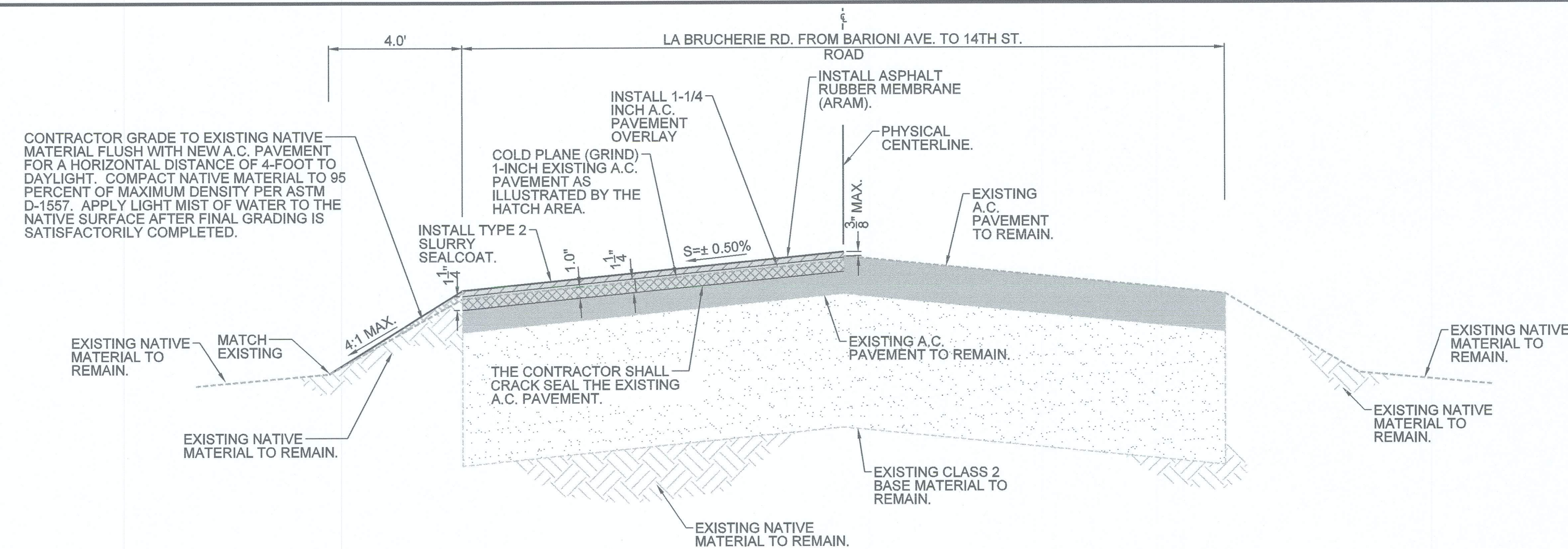


TYPICAL (ARAM) CROSS SECTION DETAIL

A-A
2/4

NTS

*NOTE: CONTRACTOR SHALL CLEAN AND SEAL ALL CRACKS WIDER THAN 1/4-INCH WITH A RUBBERIZED CRACK FILLER MATERIAL AFTER THE GRINDING AND CRACK SEALING PROCESS HAS BEEN COMPLETED THE CONTRACTOR SHALL SWEEP AND TACK COAT THE EXISTING A.C. PAVEMENT SURFACE PRIOR TO INSTALLING THE VARIABLE DEPTH A.C. PAVEMENT OVERLAY.

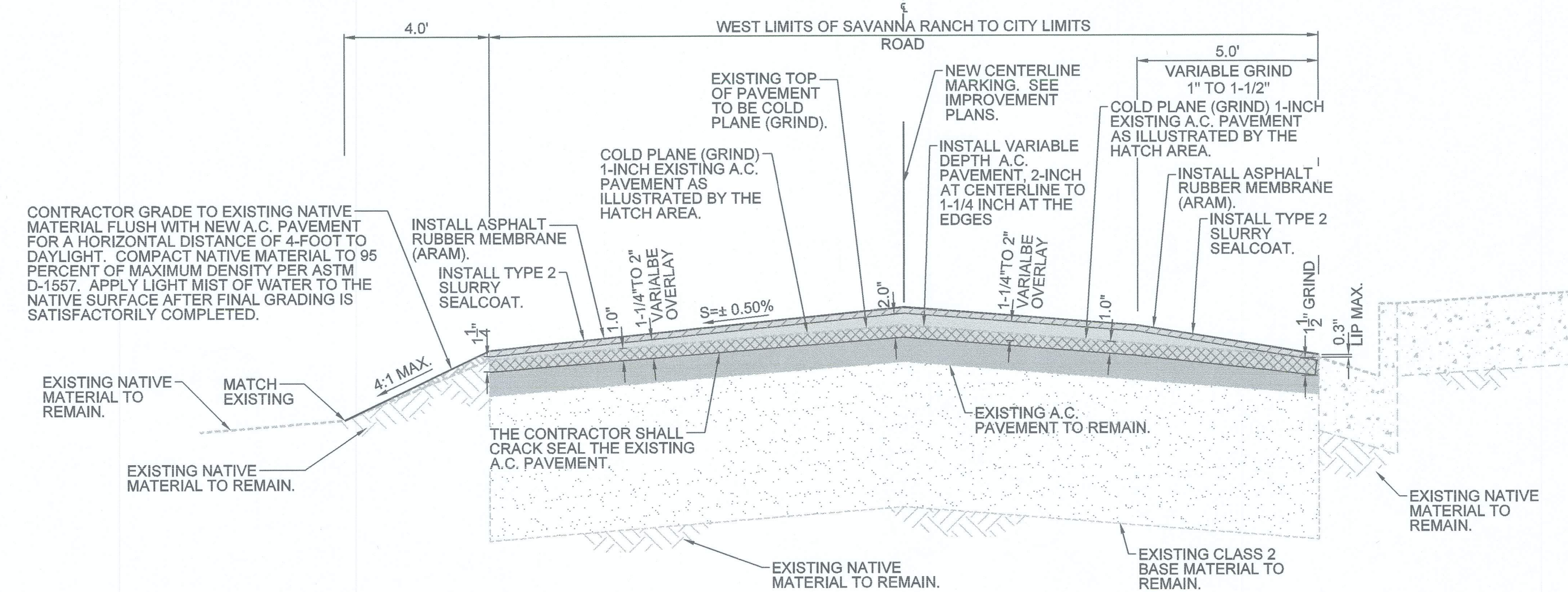


TYPICAL (ARAM) CROSS SECTION DETAIL

B-B
2/4

NTS

*NOTE: CONTRACTOR SHALL CLEAN AND SEAL ALL CRACKS WIDER THAN 1/4-INCH WITH A RUBBERIZED CRACK FILLER MATERIAL AFTER THE GRINDING AND CRACK SEALING PROCESS HAS BEEN COMPLETED THE CONTRACTOR SHALL SWEEP AND TACK COAT THE EXISTING A.C. PAVEMENT SURFACE PRIOR TO INSTALLING THE VARIABLE DEPTH A.C. PAVEMENT OVERLAY.



TYPICAL (ARAM) CROSS SECTION DETAIL

C-C
2/4

NTS

REVISION	DATE	COMMENTS
Rev. 001	10/24/25	PRECIADO RD AND APOLONIA RD WERE ADDED



PREPARED UNDER THE DIRECT SUPERVISION OF:
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DATE

61484
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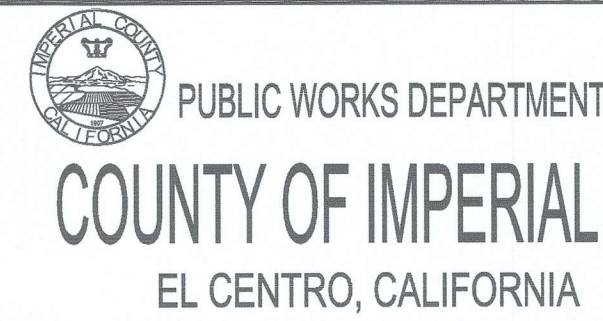
06/30/27
REG. EXP.



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
APPROVED FOR CONSTRUCTION BY:
John A. Gay
JOHN A. GAY, P.E.
DIRECTOR OF PUBLIC WORKS
10/27/25
DATE

62028
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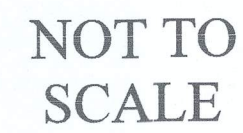
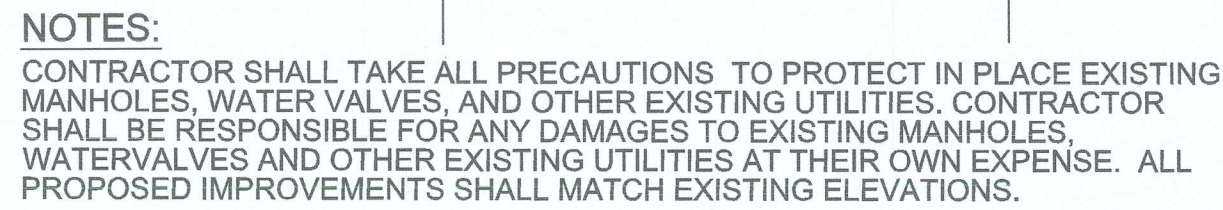
09/30/27
REG. EXP.



DATE
10/24/25
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V.A./A.G.

PROJECT TITLE
IMPERIAL TOWNSITE VARIOUS ROAD
IMPROVEMENTS
COUNTY PROJECT No. 6995RMRA

IMPERIAL TOWNSITE ROADWAY IMPROVEMENT PLAN SECTIONS
REFERENCE
6995RMRA
R-1016
SHEET 4 OF 9



- NOTES:
1. ALL METAL FORM STAKES MUST HAVE PROTECTIVE DEVICES SUCH AS REBAR CAPS INSTALLED AT ALL TIMES DURING USE TO ADEQUATELY ENSURE PUBLIC SAFETY.
 2. MID-CROSS CROSS GUTTER SHALL BE CLASS "1" CONCRETE CONTAINING 7 1/2 SACKS MIN. OF CEMENT PER CUBIC YARD WHICH SHALL ATTAIN A 28-DAY COMPRESSIVE STRENGTH OF 5,000 PSI IN ACCORDANCE WITH ASTM C99/C39M-99 AND SHALL CONTAIN 1-1/2 LBS. POLYPROPYLENE FIBER PER CUBIC YARD. POLYPROPYLENE FIBER BY FIBERMESH CO., FORTA MONO, O.A.E.
 3. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED AT 10-FOOT INTERVALS, EXCEPT THAT THE INTERVAL SHALL BE VARIED TO ALLOW MATCHING OF JOINTS IN ADJACENT EXISTING IMPROVEMENTS.
 4. CURING COMPOUND SHALL BE CURE-TREAT (CONCRETE CONDITIONER AND CURING AID) AS MANUFACTURED BY W.R. MEADOWS INC OR APPROVED EQUIV. COMPOUND SHALL BE APPLIED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATION.
 5. ALL EXPOSED SURFACES TO HAVE A SMOOTH TROWEL FINISH. DRY SACK FINISH WILL NOT BE ALLOWED.

NOTE:
INSTALL A 8-INCH IN LENGTH NO. 4 REBAR DOWEL INTO EXISTING P.C.C. CONCRETE, SIDEWALK, CURB AND GUTTER, AND OR CROSS GUTTER. DRILL 4-INCHES INTO EXISTING EXISTING P.C.C. SIDEWALK, CURB AND GUTTER, AND OR CROSS GUTTER. INJECT EPOXY INTO THE BACK OF HOLES APPROXIMATELY HALFWAY. INSERT THE 8-INCH NO. 4 REBAR.

NTS



- NOTES:
1. THE PERMANENT STREET MONUMENT SHOWN HEREON IS TO BE INSTALLED AT INTERSECTIONS OF MASTER PLANNED STREETS.
 2. CROSS-GUTTER AND SPANDREL SHALL BE CONSTRUCTED OF CLASS "3" CONCRETE WHICH SHALL ATTAIN A 28 DAY COMPRESSIVE STRENGTH OF 5,000 PSI IN ACCORDANCE WITH ASTM C39/C39M-99 AND SHALL CONTAIN 1-1/2 LBS. POLYPROPYLENE FIBER PER CUBIC YARD. POLYPROPYLENE FIBER BY FIBERMESH CO., FORTA MONO, O.A.E.

COUNTY OF IMPERIAL STANDARD DETAIL 448
NTS

E
2 5

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VERONICA ATONDO, P.E.
DEPUTY DIRECTOR OF PUBLIC
WORKS - ENGINEERING
60 127/125
DATE

R.C.E. No.

06/30/27
REG. EXP



JOHN A. GAY, P.E.
DIRECTOR OF PUBLIC WORKS

01/27/25
DATE

62028
R.C.E. No.

09/30/27
REG. EXP.



PUBLIC WORKS DEPARTMENT
COUNTY OF IMPERIAL
 EL CENTRO, CALIFORNIA

AG

SCALE NTS

CHECKED
V.A./A.C.

PROJECT TITLE

IMPERIAL TOWNSITE VARIOUS ROAD
IMPROVEMENTS
COUNTY PROJECT No.6995RMRA

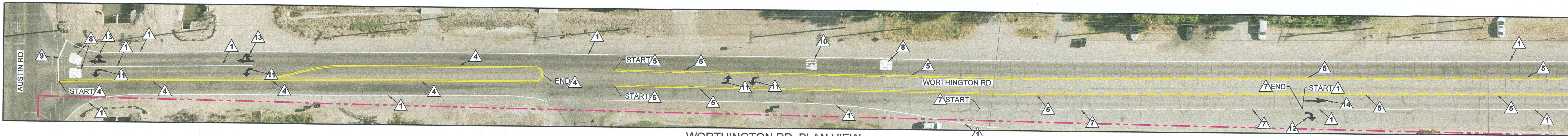
IMPERIAL TOWNSITE ROADWAY DETAIL SHEET

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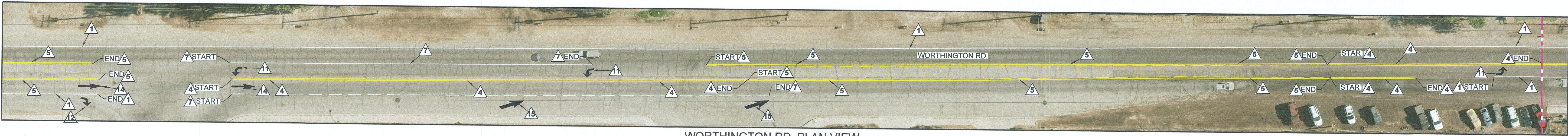
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R-1016

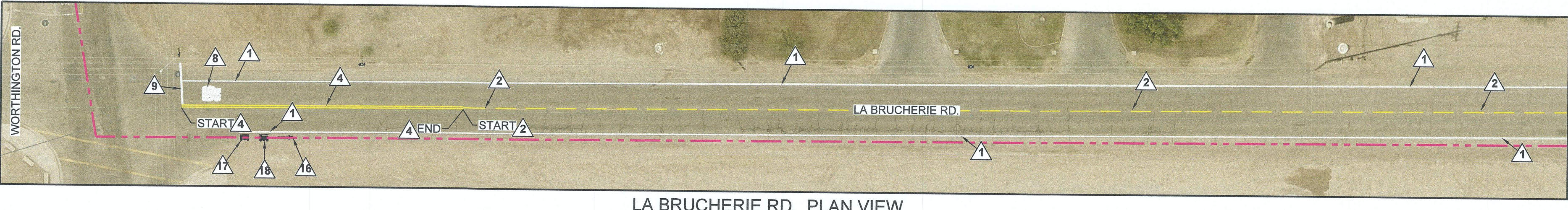
SHEET 5 OF 9



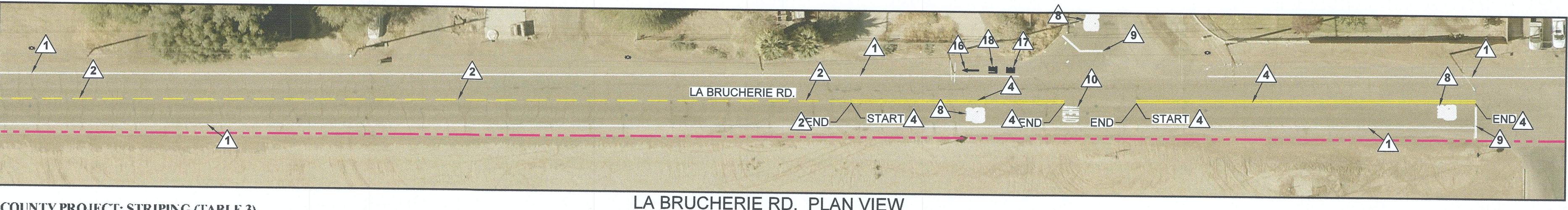
WORTHINGTON RD. PLAN VIEW



WORTHINGTON RD. PLAN VIEW



LA BRUCHERIE RD. PLAN VIEW



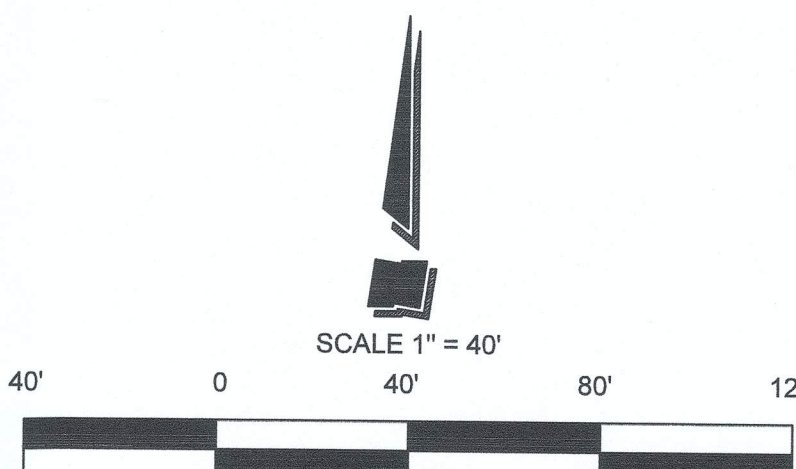
LA BRUCHERIE RD. PLAN VIEW

COUNTY PROJECT: STRIPING (TABLE 3)			
ITEM NUMBER	ITEM	UNIT	ESTIMATED QUANTITY
1	CONTRACTOR TO PAINT A 6-INCH SOLID WHITE EDGE LINE STRIPE PER CALTRANS STANDARD PLAN A20B, DETAIL 27B. SEE DETAIL A ON SHEET 8.	L.F.	10003
2	CONTRACTOR TO PAINT A 6-INCH DASH YELLOW LANELINE STRIPE PER CALTRANS STANDARD PLAN A20A, DETAIL 5. SEE DETAIL A ON SHEET 8.	L.F.	2886
3	CONTRACTOR TO PAINT A 6-INCH DOUBLE YELLOW "NO PASSING ZONE" LANE LINE STRIPE PER CALTRANS STANDARD PLAN RSP A20B, DETAIL 34A. SEE DETAIL B ON SHEET 8.	L.F.	1438
4	CONTRACTOR TO PAINT A 6-INCH SOLID DOUBLE YELLOW LANE LINE STRIPE PER CALTRANS STANDARD PLAN A20A, DETAIL 21. SEE DETAIL A ON SHEET 8.	L.F.	1927
5	CONTRACTOR TO PAINT A 6-INCH "TWO WAY LEFT TURN LANES" STRIPE PER CALTRANS STANDARD PLAN A20B, DETAIL 31. SEE DETAIL B ON SHEET 8.	L.F.	1288
6	CONTRACTOR TO PAINT A 6-INCH DASH WHITE STRIPE PER CALTRANS STANDARD PLAN A20A, DETAIL 8. SEE DETAIL A ON SHEET 8.	L.F.	79
7	CONTRACTOR TO PAINT A 6-INCH DASH WHITE LANELINE STRIPE PER CALTRANS STANDARD PLAN A20A, DETAIL 11. SEE DETAIL A ON SHEET 8.	L.F.	659
8	"STOP" LEGEND PER 2024 CALTRANS STANDARD PLAN A24D	EACH	30
9	12-INCH STOP BAR PER 2024 CALTRANS STANDARD PLAN A24G. SEE DETAIL D ON SHEET 8.	L.F.	321
10	CONTRACTOR TO PAINT "AHEAD" LEGEND PER CALTRANS STANDARD PLAN A24D. SEE DETAIL C ON SHEET 8.	EACH	2
11	CONTRACTOR TO PAINT ARROW LEGEND PER CALTRANS STANDARD PLAN A24A, TYPE IV (L). SEE DETAIL E ON SHEET 9.	EACH	7
12	CONTRACTOR TO PAINT ARROW LEGEND PER CALTRANS STANDARD PLAN A24A, TYPE IV (R). SEE DETAIL E ON SHEET 9.	EACH	2
13	CONTRACTOR TO PAINT ARROW LEGEND PER CALTRANS STANDARD PLAN A24A, TYPE VII (R). SEE DETAIL E ON SHEET 9.	EACH	2
14	CONTRACTOR TO PAINT ARROW LEGEND PER CALTRANS STANDARD PLAN A24A, TYPE I. SEE DETAIL E ON SHEET 9.	EACH	2
15	CONTRACTOR TO PAINT ARROW LEGEND PER CALTRANS STANDARD PLAN A24A, TYPE VI. SEE DETAIL E ON SHEET 9.	EACH	2
16	CONTRACTOR TO PAINT 8-FOOT ARROW LEGEND PER CALTRANS STANDARD PLAN A24A, BIKE LANE ARROW. SEE DETAIL E ON SHEET 9.	EACH	5
17	CONTRACTOR TO PAINT "BIKE" LEGEND PER CALTRANS STANDARD PLAN A24D. SEE DETAIL C ON SHEET 8.	EACH	5
18	CONTRACTOR TO PAINT "LANE" LEGEND PER CALTRANS STANDARD PLAN A24D. SEE DETAIL C ON SHEET 8.	EACH	5
19	BLUE RAISE PAVEMENT MARKER	EACH	16

- NOTES:
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STRIPING KEYNOTES

- CONTRACTOR TO PAINT 6-INCH SOLID WHITE LINE.
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- CONTRACTOR TO PAINT A 6-INCH SOLID DOUBLE YELLOW LANE LINE STRIPE PER CALTRANS STANDARD PLAN A20A, DETAIL 21. SEE DETAIL A ON SHEET 8.
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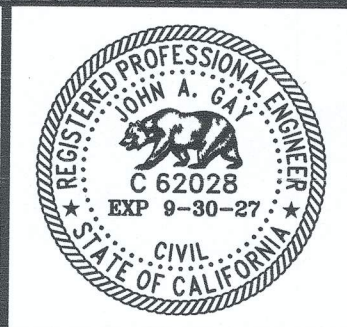
REVISION	DATE	COMMENTS
Rev. 001	10/24/25	PRECIADO RD AND APOLONIA RD WERE ADDED



PREPARED UNDER THE DIRECT SUPERVISION OF:

Veronica A. Tonido
VERONICA TONIDO, P.E.
DEPUTY DIRECTOR OF PUBLIC WORKS - ENGINEERING
10/29/25
DATE

61484
R.C.E. No.
06/30/27
REG. EXP.



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
APPROVED FOR CONSTRUCTION BY:

John A. Gay
JOHN A. GAY, P.E.
DIRECTOR OF PUBLIC WORKS
10/27/25
DATE

62028
R.C.E. No.
09/30/27
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PUBLIC WORKS DEPARTMENT
COUNTY OF IMPERIAL
EL CENTRO, CALIFORNIA

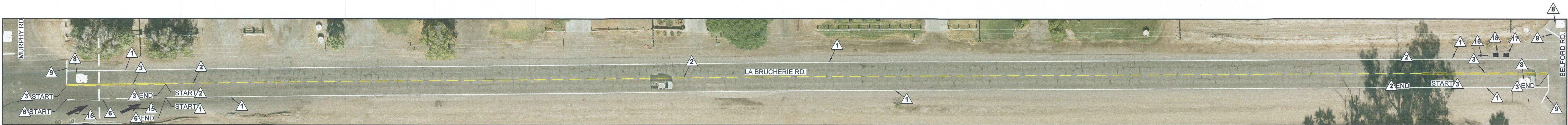
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CHECKED
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PROJECT TITLE
IMPERIAL TOWNSITE VARIOUS ROAD IMPROVEMENTS
COUNTY PROJECT No.6995RMRA

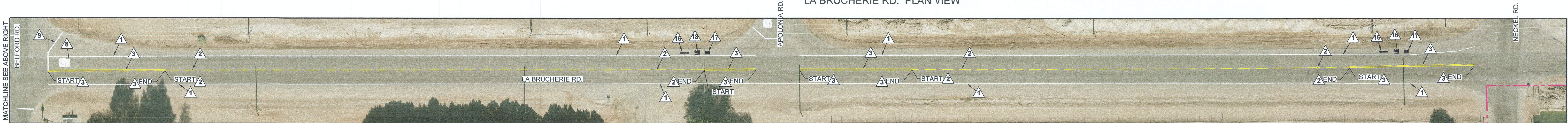
STRIPING PLAN

REFERENCE
6995RMRA

R-1016
SHEET 6 OF 9



LA BRUCHERIE RD. PLAN VIEW



LA BRUCHERIE RD. PLAN VIEW

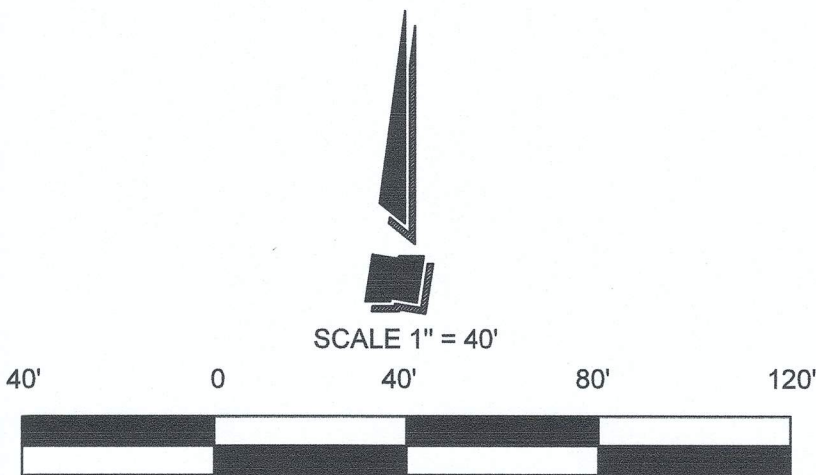
COUNTY PROJECT: STRIPING (TABLE 3)

ITEM NUMBER	TEM	UNIT	ESTIMATED QUANTITY
1	CONTRACTOR TO PAINT A 6-INCH SOLID WHITE EDGE LINE STRIPE PER CALTRANS STANDARD PLAN A20B, DETAIL 27B. SEE DETAIL A ON SHEET 8.	L.F.	10003
2	CONTRACTOR TO PAINT A 6-INCH DASH YELLOW LANELINE STRIPE PER CALTRANS STANDARD PLAN A20A, DETAIL 5. SEE DETAIL A ON SHEET 8.	L.F.	2886
3	CONTRACTOR TO PAINT A 6-INCH DOUBLE YELLOW "NO PASSING ZONE" LANE LINE STRIPE PER CALTRANS STANDARD PLAN RSP A20B, DETAIL 34A. SEE DETAIL B ON SHEET 8.	L.F.	1438
4	CONTRACTOR TO PAINT A 6-INCH SOLID DOUBLE YELLOW LANE LINE STRIPE PER CALTRANS STANDARD PLAN A20A, DETAIL 21. SEE DETAIL A ON SHEET 8.	L.F.	1927
5	CONTRACTOR TO PAINT A 6-INCH "TWO WAY LEFT TURN LANES" STRIPE PER CALTRANS STANDARD PLAN A20B, DETAIL 31. SEE DETAIL B ON SHEET 8.	L.F.	1288
6	CONTRACTOR TO PAINT A 6-INCH DASH WHITE STRIPE PER CALTRANS STANDARD PLAN A20A, DETAIL 8. SEE DETAIL A ON SHEET 8.	L.F.	79
7	CONTRACTOR TO PAINT A 6-INCH DASH WHITE LANELINE STRIPE PER CALTRANS STANDARD PLAN A20A, DETAIL 11. SEE DETAIL A ON SHEET 8.	L.F.	659
8	"STOP" LEGEND PER 2024 CALTRANS STANDARD PLAN A24D	EACH	30
9	12-INCH STOP BAR PER 2024 CALTRANS STANDARD PLAN A24G. SEE DETAIL D ON SHEET 8.	L.F.	321
10	CONTRACTOR TO PAINT "AHEAD" LEGEND PER CALTRANS STANDARD PLAN A24D. SEE DETAIL C ON SHEET 8.	EACH	2
11	CONTRACTOR TO PAINT ARROW LEGEND PER CALTRANS STANDARD PLAN A24A, TYPE IV (L). SEE DETAIL E ON SHEET 9.	EACH	7
12	CONTRACTOR TO PAINT ARROW LEGEND PER CALTRANS STANDARD PLAN A24A, TYPE IV (R). SEE DETAIL E ON SHEET 9.	EACH	2
13	CONTRACTOR TO PAINT ARROW LEGEND PER CALTRANS STANDARD PLAN A24A, TYPE VII (R). SEE DETAIL E ON SHEET 9.	EACH	2
14	CONTRACTOR TO PAINT ARROW LEGEND PER CALTRANS STANDARD PLAN A24A, TYPE I. SEE DETAIL E ON SHEET 9.	EACH	2
15	CONTRACTOR TO PAINT ARROW LEGEND PER CALTRANS STANDARD PLAN A24A, TYPE VI. SEE DETAIL E ON SHEET 9.	EACH	2
16	CONTRACTOR TO PAINT 8-FOOT ARROW LEGEND PER CALTRANS STANDARD PLAN A24A, BIKE LANE ARROW. SEE DETAIL E ON SHEET 9.	EACH	5
17	CONTRACTOR TO PAINT "BIKE" LEGEND PER CALTRANS STANDARD PLAN A24D. SEE DETAIL C ON SHEET 8.	EACH	5
18	CONTRACTOR TO PAINT "LANE" LEGEND PER CALTRANS STANDARD PLAN A24D. SEE DETAIL C ON SHEET 8.	EACH	5
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REVISION	DATE	COMMENTS
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WORKS - ENGINEERING
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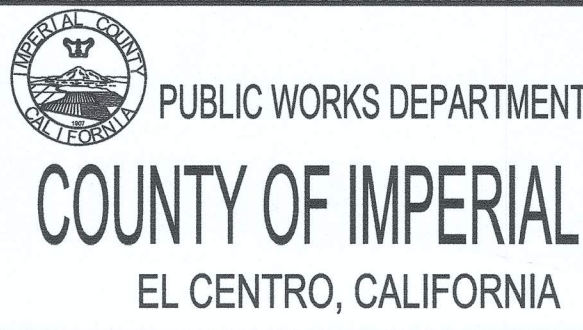
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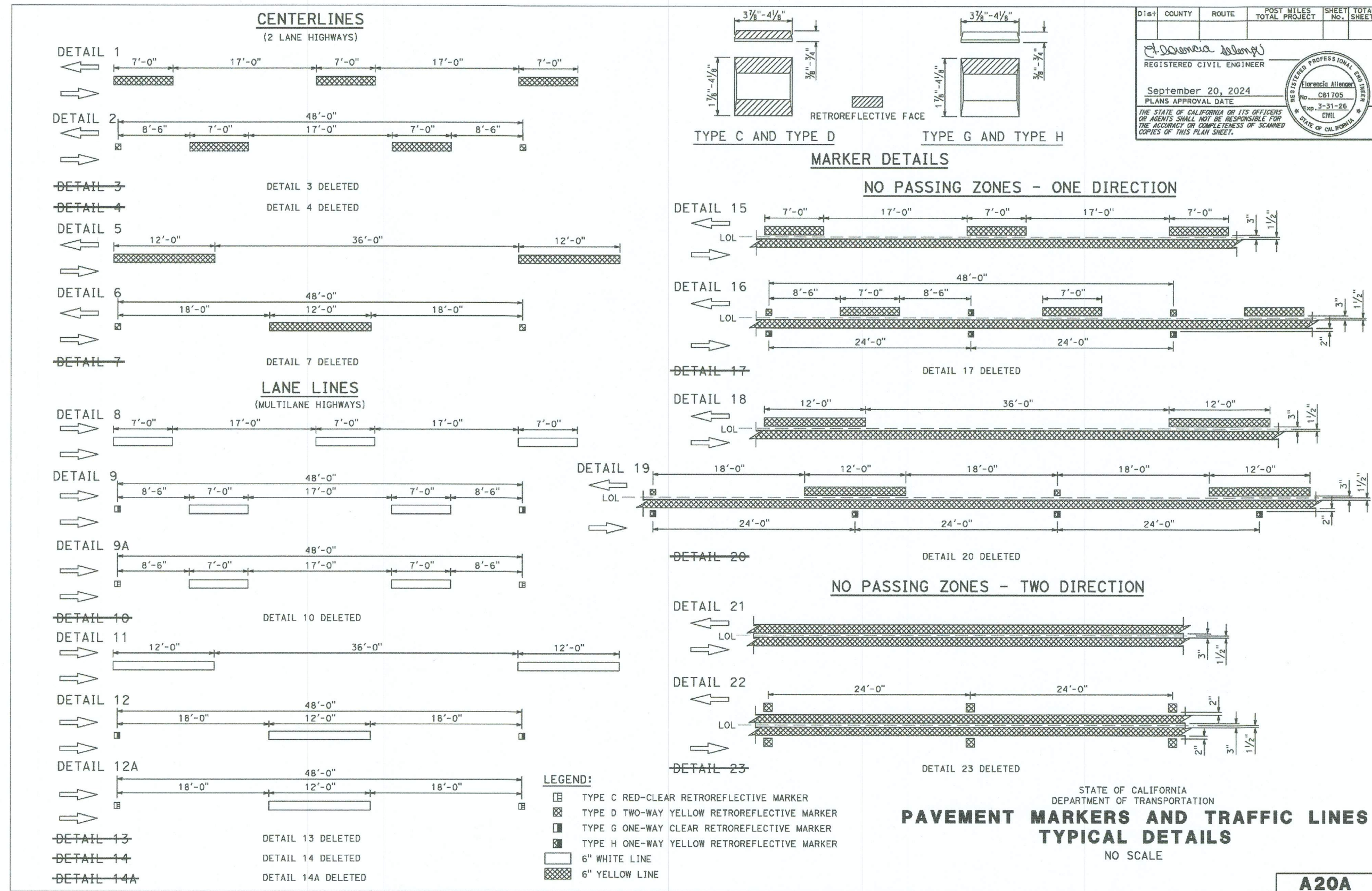
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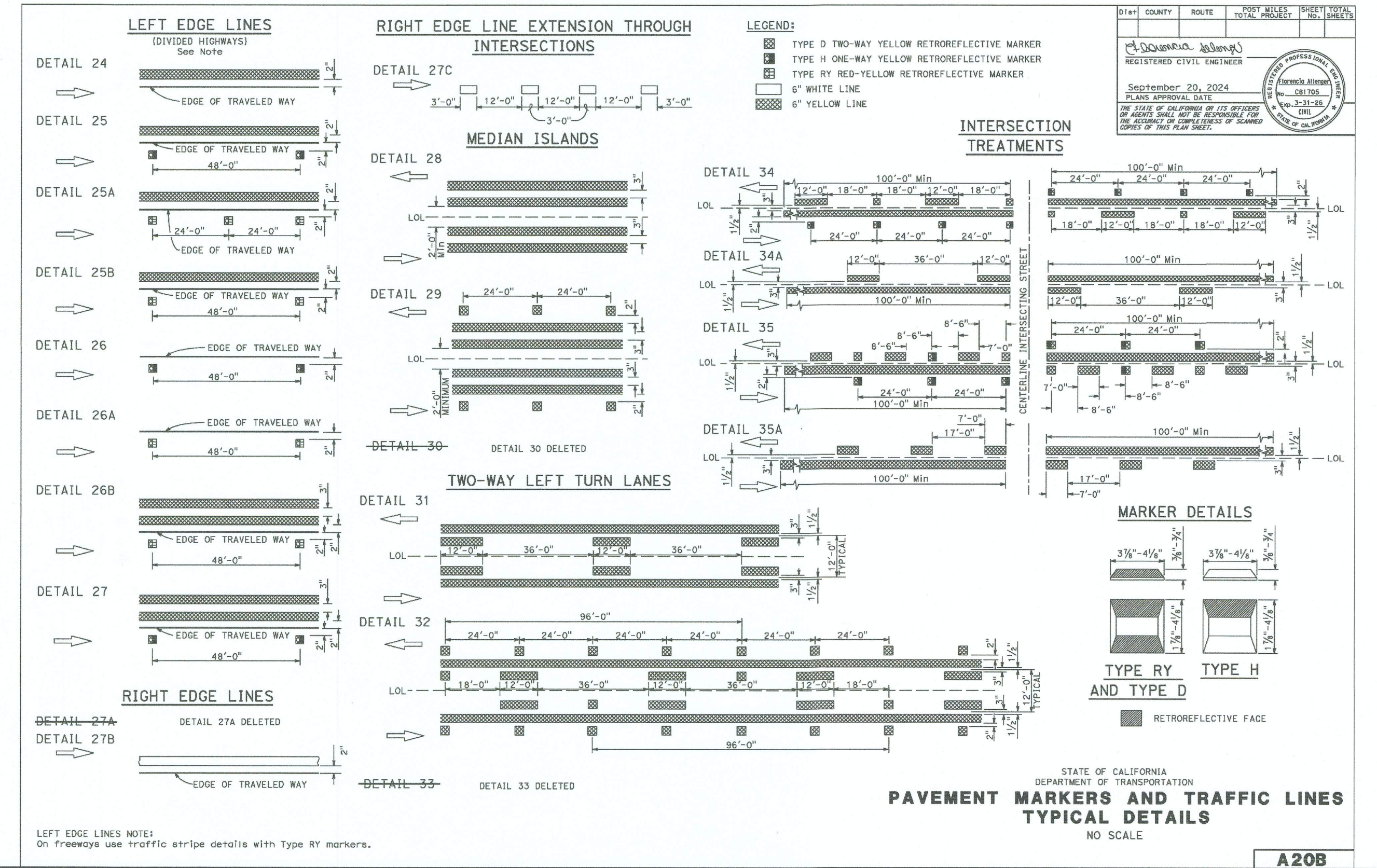
PROJECT TITLE
IMPERIAL TOWNSITE VARIOUS ROAD
IMPROVEMENTS
COUNTY PROJECT No.6995RMRA

STRIPING PLAN	
REFERENCE 6995RMRA	R-1016 SHEET 7 OF 9



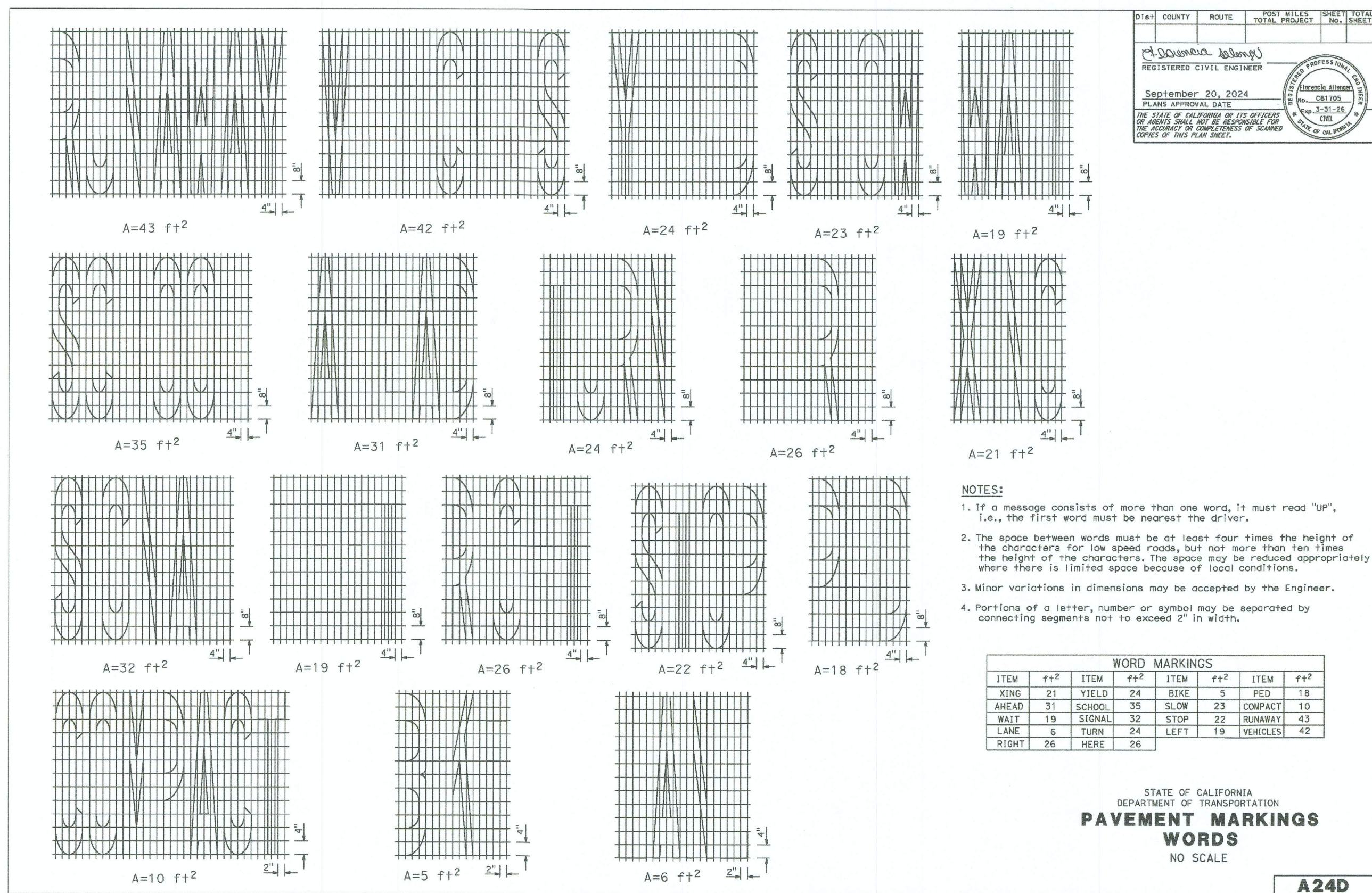
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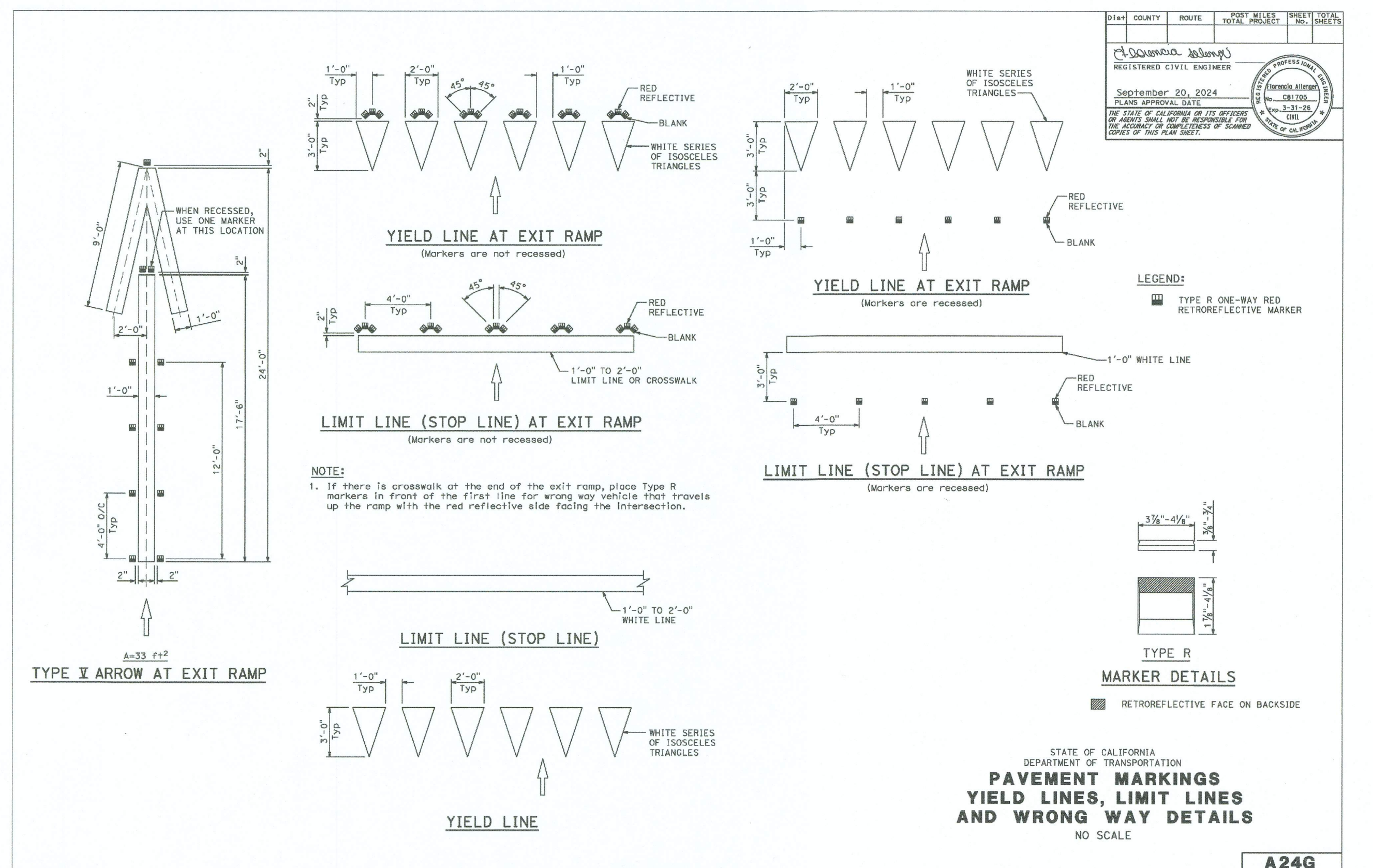
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NTS

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6-7/8



CALTRANS STANDARD PLAN A24D
NTS

C
6-7/8



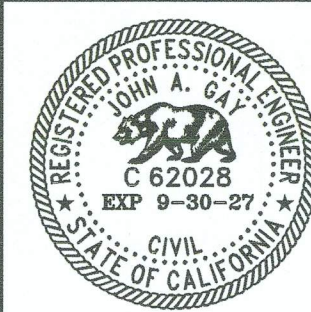
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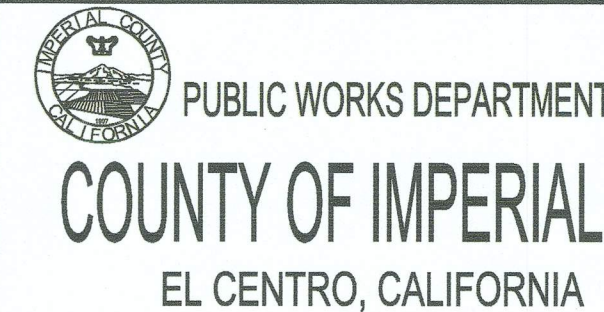
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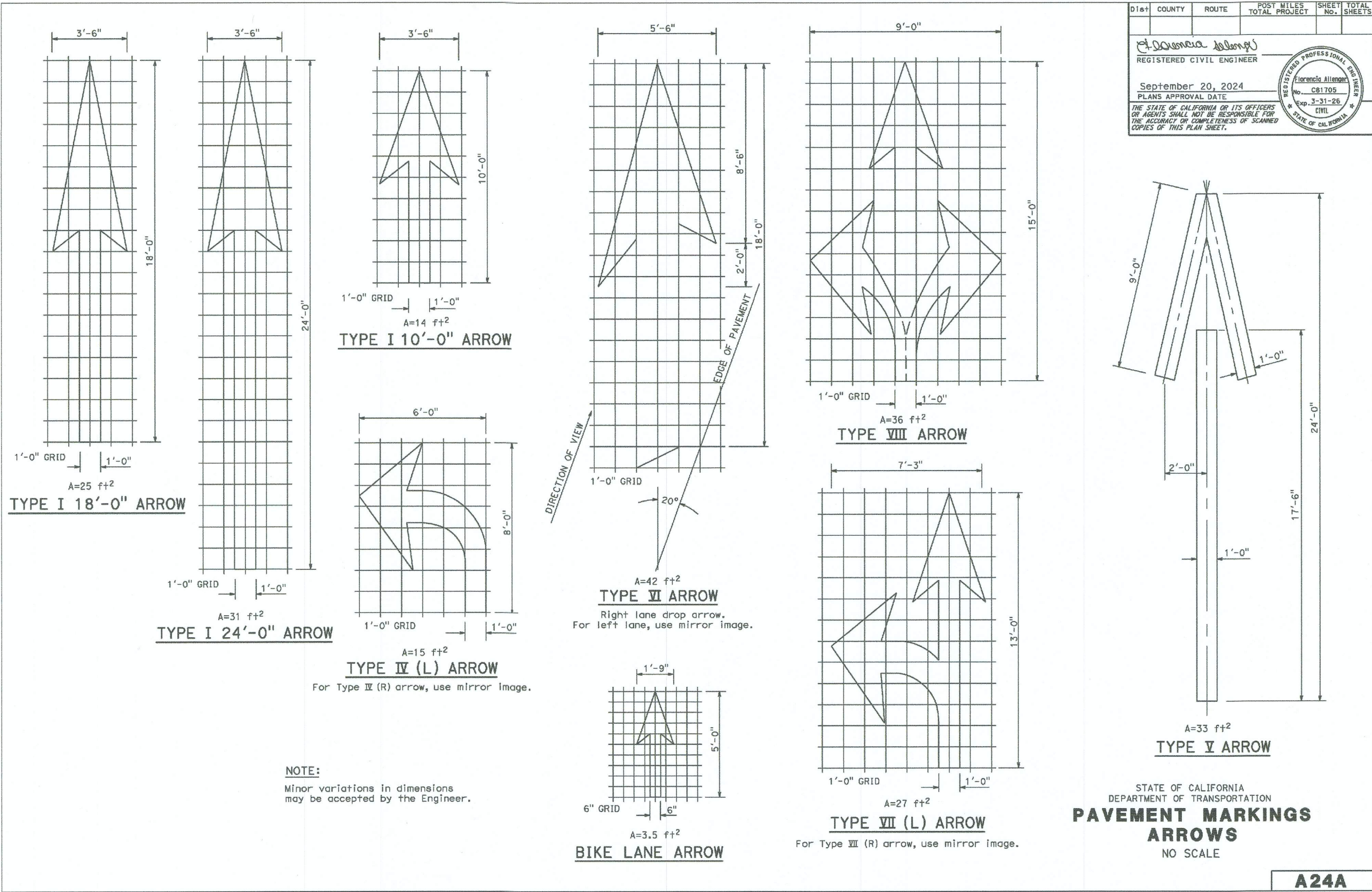
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PROJECT TITLE
IMPERIAL TOWNSITE VARIOUS ROAD IMPROVEMENTS
 COUNTY PROJECT NO. 6995RMRA

STRIPING DETAIL SHEET
 REFERENCE: 6995RMRA
 SHEET 8 OF 9



CALTRANS STANDARD PLAN A24A
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6-7 | 9

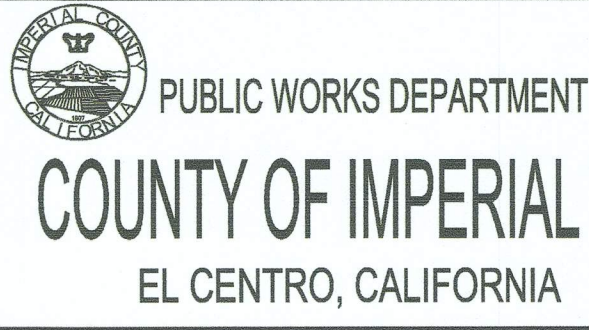
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REFERENCE	R-1016
6995RMRA	SHEET 9 OF 9

STRIPING DETAIL SHEET	
REFERENCE	R-1016
6995RMRA	SHEET 9 OF 9