



COUNTY OF IMPERIAL

EVAN HEWES HIGHWAY REHABILITATION FROM EASTERN CITY OF EL CENTRO LIMITS TO HIGHWAY 111; STATE AID PROJECT NO. CRASL-5958(128); COUNTY PROJECT No. 7032

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-CUTTER 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. IMPERIAL IRRIGATION DISTRICT (POWER) | (800) 303-7756 |
| 2. IMPERIAL IRRIGATION DISTRICT (WATER) | (760) 339-9380 |
| 3. AT&T | (337) 337-3314 |
| 4. THE GAS CO. | (809) 335-7982 |
| 5. THE CABLE COMPANY (SPECTRUM) | (760) 670-8969 |

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.

- 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 RUNG 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 PGG STANDARD DRIVEWAY PER LOT LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER. 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 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 REGULATION 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 2008". 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 MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) OR AS DIRECTED BY THE IMPERIAL COUNTY TRAFFIC ENGINEER.
- 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 PRIOR TO PROJECT COMPLETION. FORM MPR-01 AND FORM MPR-02 ARE REQUIRED FOR ALL IMPERIAL COUNTY PROJECTS.
- 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 COMPILING ADDITIONAL NOTES THAT MAY BE REQUIRED FOR THE PROJECT.

GRADING PLAN GENERAL NOTES

- APPROVAL OF THIS GRADING PLAN 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. (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 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. | (809) 335-7982 |
| ID POWER: | TELEPHONE NO. | (800) 303-7756 |
| ID WATER: | TELEPHONE NO. | (760) 339-9380 |
| AT&T TELEPHONE: | TELEPHONE NO. | (337) 337-3314 |
| CATV: | TELEPHONE NO. | (760) 670-8969 |
| SPECTRUM COMM. | TELEPHONE NO. | (760) 670-8969 |

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 ONSITE 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 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.
- 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.
- 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.
- 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 GUT 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. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTROL DRAINAGE AWAY FROM BUILDINGS DURING CONSTRUCTION.
- 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.

LEGEND

| ITEM NO. | ITEM | LEGEND |
|----------|---|--------|
| 1. | EDGE OF EXISTING PAVEMENT | |
| 2. | CENTERLINE/BASELINE | |
| 3. | FENCE | |
| 4. | POWER POLE OR TELEPHONE POLE | |
| 5. | SIGN | |
| 6. | EXISTING TREES | |
| 7. | CALTRANS RIGHT OF WAY LINE | |
| 8. | IMPERIAL COUNTY RIGHT OF WAY LINE | |
| 9. | CONTRACTOR SHALL COLD PLAN (GRIND) 2-INCH OF THE EXISTING A.C. PAVEMENT, CLEAN AND CRACK SEAL EXISTING CRACKS, AND PLACE 2-INCHES OF A.C. PAVEMENT OVER A GEOSYNTHETIC INTERLAYER OVER AN 1-INCH LEVELING COURSE | |
| 10. | ASPHALT CONCRETE TO BE HEADER CUT TO ACCOMMODATE NEW SECTION OR AS DIRECTED BY THE ENGINEER | |
| 11. | CONTRACTOR SHALL VARIABLE GRIND (COLD PLAN) EXISTING A.C. PAVEMENT FROM 1-INCH TO 2-INCHES, CLEAN AND CRACK SEAL EXISTING CRACKS, AND PLACE 2-INCHES OF A.C. PAVEMENT OVER A GEOSYNTHETIC INTERLAYER OVER AN 1-INCH LEVELING COURSE | |
| 12. | ASPHALT CONCRETE TO BE TRANSITIONAL GRIND (COLD PLAN) FROM A VARIABLE GRIND TO A 2-INCH GRIND AS ILLUSTRATED ON IMPROVEMENT PLANS | |
| 13. | INSTALL 4-FOOT WIDE CLASS 2 SHOULDER. | |

BASIS OF BEARINGS

PROJECT BASIS OF BEARINGS:

THE BASIS OF BEARING FOR THIS SURVEY IS THE N78°52'22"E BETWEEN TWO NGS BENCHMARK STATION "1, 1382 1981 (PID DB1168) AND "IVPN MEADOWS 2 1981 (PID DB1752)" AND ARE BASED UPON A LOCAL COORDINATE SYSTEM PER RECORD OF SURVEY RECORDED IN BOOK 21, PAGE 1 OF RECORDS OF SURVEYS.

| NGS STATION | NORTHING | EASTING |
|-------------|--------------|--------------|
| L1382 | 1870382.7760 | 6788505.8390 |
| MEADOWS 2 | 1872831.3520 | 6797005.4610 |

BENCHMARK

BENCHMARK DESCRIPTION:

BASIS OF BEARINGS:

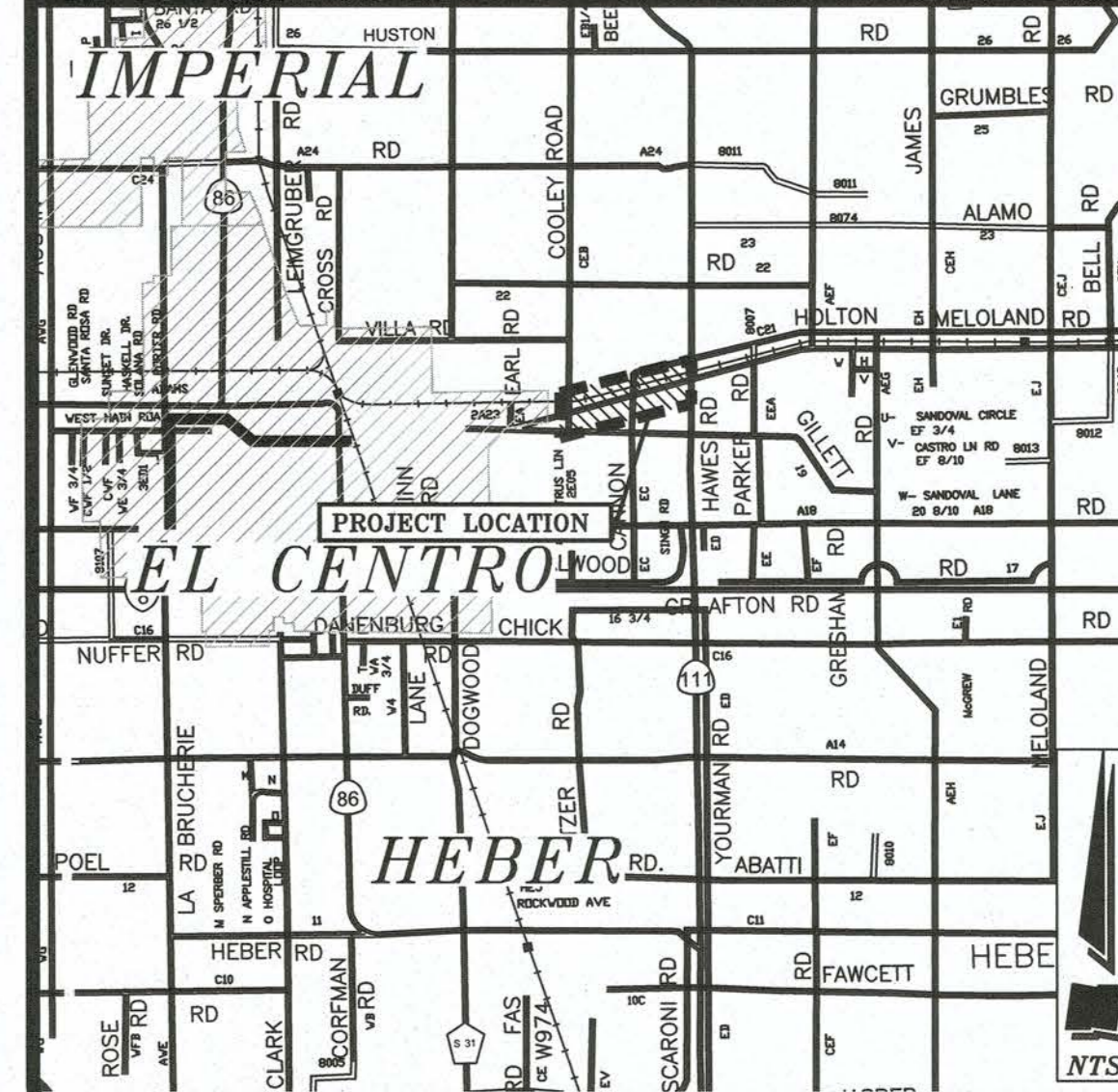
THE STATION MARK IS A STANDARD BENCHMARK DISK SET IN THE TOP OF A CONCRETE HEADWALL ON THE ALDER CANAL, 29 FEET EAST OF THE CENTERLINE OF COOLEY ROAD, AT THE SOUTHEAST CORNER OF THE SOUTH HEADWALL LOCATED 3.5 MI EAST OF EL CENTRO ON COOLEY ROAD, 0.1 MI NORTH OF THE INTERSECTION OF COOLEY ROAD AND EVAN HEWES HIGHWAY.

PROJECT ELEVATION: 958.09'

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 |
| CL | CENTERLINE | P.P. | POWER POLE |
| CP | CONTROL POINT | P.C.R. | POINT OF CURB RETURN |
| DW | 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.L. | FLOWLINE | TOP | TOP OF PIPE |
| FF | FINISH FLOOR | TC | TOP OF CURB |
| FS | FINISH SURFACE | T.P. | TOP OF PAVEMENT |

VICINITY MAP



SHEET INDEX

- TITLE SHEET
- SHEET INDEX
- EXISTING SITE PLAN AND IMPROVEMENT PLAN FROM STA 5+00 TO STA 20+75
- EXISTING SITE PLAN AND IMPROVEMENT PLAN FROM STA 20+75 TO STA 38+75
- EXISTING SITE PLAN AND IMPROVEMENT PLAN FROM STA 38+75 TO STA 56+75
- EXISTING SITE PLAN AND IMPROVEMENT PLAN FROM STA 56+75 TO END OF CONSTRUCTION
- CROSS SECTION
- CROSS SECTION
- CROSS SECTION
- DETAIL SHEET
- DETAIL SHEET
- EROSION CONTROL PLAN
- EROSION CONTROL DETAILS

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



| REVISION | DATE | COMMENTS |
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| | | |

PREPARED UNDER THE DIRECT SUPERVISION OF:

VERONICA ATONDO, P.E.
DEPUTY DIRECTOR OF PUBLIC WORKS - ENGINEERING

DATE: 8/29/23

61484 R.C.E. No.
06/30/25 REG. EXP.

COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
APPROVED FOR CONSTRUCTION BY:

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

DATE: 8/29/23

62028 R.C.E. No.
09/30/23 REG. EXP.

PUBLIC WORKS DEPARTMENT
COUNTY OF IMPERIAL
EL CENTRO, CALIFORNIA

DATE: 08/29/2023

DRAWN: AG

SCALE: N/A

CHECKED: V.A./A.G.

PROJECT TITLE

EVAN HEWES HIGHWAY REHABILITATION FROM
EASTERN CITY OF EL CENTRO LIMITS TO HIGHWAY 111;
STATE AID PROJECT NO. CRASL-5958(128);
COUNTY PROJECT No. 7032

REFERENCE: 7032

TITLE SHEET

SHEET 1 OF 13



BASIS OF BEARINGS:
 THE BASIS OF BEARING FOR THIS SURVEY IS THE N76°52'22"E BETWEEN TWO NGS BENCHMARK STATION "L 1362 1981 (PID:DB1188) AND "VTPN MEADOWS 2 1981 (PID:DB1752)", AND ARE BASED UPON A LOCAL COORDINATE SYSTEM PER RECORD OF SURVEY RECORDED IN BOOK 21, PAGE 1 OF RECORDS OF SURVEYS.

| NGS STATION | NORTHING | EASTING |
|-------------|--------------|--------------|
| L1362 | 1870382.7760 | 6786505.8390 |
| MEADOWS 2 | 1872831.3520 | 6797005.4610 |

BASIS OF BEARINGS:
 THE STATION MARK IS A STANDARD BENCHMARK DISK SET IN THE TOP OF A CONCRETE HEADWALL ON THE ALDER CANAL, 29 FEET EAST OF THE CENTERLINE OF COOLEY ROAD, AT THE SOUTHEAST CORNER OF THE SOUTH HEADWALL LOCATED 3.5 MI EAST OF EL CENTRO ON COOLEY ROAD, 0.1 MI NORTH OF THE INTERSECTION OF COOLEY ROAD AND EVAN HEWES HIGHWAY.

PROJECT ELEVATION: 958.09'



| REVISION | DATE | COMMENTS |
|----------|------|----------|
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| | | |
| | | |



PREPARED UNDER THE DIRECT SUPERVISION OF:
Veronica Atondo
 VERONICA ATONDO, P.E.
 DEPUTY DIRECTOR OF PUBLIC WORKS - ENGINEERING
 8/29/23
 DATE

61484
 R.C.E. No.
 06/30/25
 REG. EXP.



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 APPROVED FOR CONSTRUCTION BY:
John A. Gay
 JOHN A. GAY, P.E.
 DIRECTOR OF PUBLIC WORKS
 8/29/23
 DATE

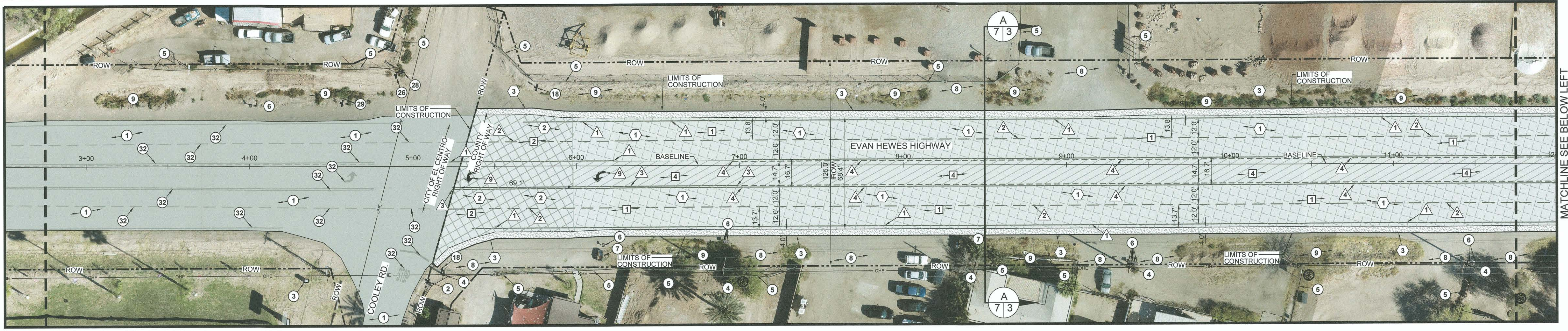
62028
 R.C.E. No.
 09/30/23
 REG. EXP.



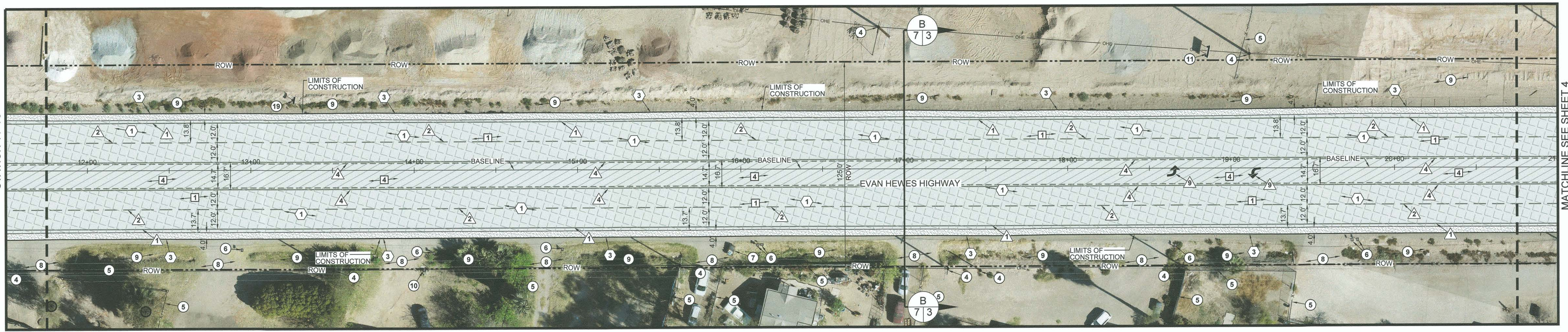
DATE: 08/29/2023
 DRAWN: AG
 SCALE: NTS
 CHECKED: V.A.J.A.G.

PROJECT TITLE
 EVAN HEWES HIGHWAY REHABILITATION FROM EASTERN CITY OF EL CENTRO LIMITS TO HIGHWAY 111; STATE AID PROJECT NO. CRASL-5958(128); COUNTY PROJECT No. 7032

| SHEET INDEX | |
|-------------|---------------|
| REFERENCE | R-1012 |
| 7032 | SHEET 2 OF 13 |



MATCHLINE SEE BELOW LEFT STATION 11+75



MATCHLINE SEE ABOVE RIGHT STATION 11+75

MATCHLINE SEE SHEET 4 ABOVE LEFT STATION 20+75

LEGEND

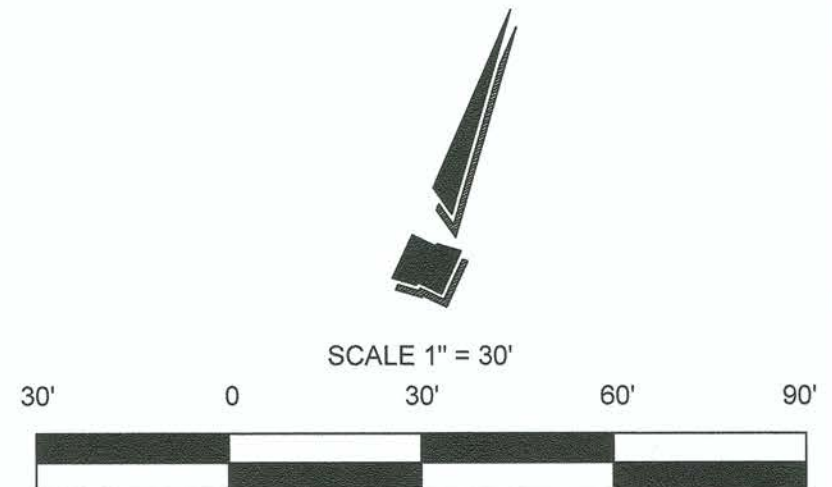
| | |
|--|--|
| | CONTRACTOR SHALL GRIND 2-INCH OF EXISTING A.C. PAVEMENT. CLEAN AND CRACK SEAL EXISTING CRACKS, AND PLACE 2-INCHES OF A.C. PAVEMENT OVER A GEOSYNTHETIC PAVEMENT INTERLAYER OVER AN 1-INCH LEVELING COURSE. |
| | ASPHALT CONCRETE TO BE HEADER CUT TO ACCOMMODATE NEW SECTION OR AS DIRECTED BY THE ENGINEER. SEE DETAIL A ON SHEET 10. |
| | CONTRACTOR SHALL VARIABLE GRIND/COLD PLANE EXISTING A.C. PAVEMENT FROM 1-INCH TO 2-INCHES. CLEAN AND CRACK SEAL EXISTING CRACKS, AND PLACE 2-INCHES OF A.C. PAVEMENT OVER A GEOSYNTHETIC PAVEMENT INTERLAYER OVER AN 1-INCH LEVELING COURSE. AS ILLUSTRATED ON THE IMPROVEMENT PLANS. SEE SECTION A-A THROUGH G-G ON SHEET 8 TO 9. |
| | ASPHALT CONCRETE TO BE TRANSITIONAL GRIND/COLD PLANE FROM A VARIABLE GRIND TO A 2-INCH GRIND AS ILLUSTRATED ON IMPROVEMENT PLANS. |
| | INSTALL 4-FOOT WIDE CLASS 2 SHOULDER OR AS ILLUSTRATED ON THE IMPROVEMENT PLANS. |

- EXISTING KEYNOTES**
- 1 EXISTING AC PAVEMENT TO REMAIN.
 - 2 EXISTING STOP SIGN TO REMAIN.
 - 3 EXISTING COMMUNICATION ENCLOSURE TO REMAIN.
 - 4 EXISTING POWER POLE TO REMAIN.
 - 5 EXISTING FENCE TO REMAIN.
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 - 20 EXISTING GAS VALVE RISERS TO REMAIN.
 - 21 EXISTING ELECTRICAL ENCLOSURE FOR TRAFFIC SIGNAL TO REMAIN.

- DEMOLITION KEYNOTES**
- 22 EXISTING STREET LIGHT TO REMAIN.
 - 23 EXISTING HIGH VOLTAGE ELECTRICAL TOWER TO REMAIN.
 - 24 EXISTING STANDING PIPE TO REMAIN.
 - 25 EXISTING SIGNAL LIGHT TO REMAIN.
 - 26 EXISTING HIGH PRESSURE GAS PIPELINE SIGN TO REMAIN.
 - 27 EXISTING HIGH PRESSURE GAS PIPELINE TO REMAIN.
 - 28 EXISTING STREET NAME SIGN TO REMAIN.
 - 29 EXISTING CITY OF EL CENTRO ORDINANCE SIGN TO REMAIN.
 - 30 EXISTING AC DIKE TO REMAIN.
 - 31 EXISTING GUARD RAIL TO REMAIN.
 - 32 EXISTING STRIPING TO REMAIN.
 - 33 EXISTING A.C. PAVEMENT DRIVEWAY TO REMAIN.

- CONSTRUCTION KEYNOTES**
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 - 5 CONTRACTOR SHALL TRANSITIONAL GRIND (COLD PLANE) THE EXISTING A.C. PAVEMENT FROM THE VARIABLE GRIND OPERATION TO A FULL 2-INCH GRIND. THE CONTRACTOR SHALL CRACK SEAL THE EXISTING A.C. PAVEMENT AFTER GRINDING PROCESS HAS BEEN COMPLETED. AS ILLUSTRATED ON THE IMPROVEMENT PLANS.

- STRIPING KEYNOTES**
- 1 CONTRACTOR TO PAINT A 6-INCH SOLID WHITE EDGE LINE STRIPE PER CALTRANS STANDARD PLAN A20B, DETAIL 27B. SEE DETAIL C ON SHEET 10.
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 - 7 CONTRACTOR TO PAINT "STOP" LEGEND PER CALTRANS STANDARD PLAN A24D. SEE DETAIL E ON SHEET 11.
 - 8 CONTRACTOR TO PAINT 12-INCH WIDE STOP BAR PER CALTRANS STANDARD PLAN A24G. SEE DETAIL F ON SHEET 11.
 - 9 CONTRACTOR TO PAINT ARROW LEGEND PER CALTRANS STANDARD PLAN A24A, TYPE IV (L). SEE DETAIL G ON SHEET 11.



| REVISION | DATE | COMMENTS |
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PREPARED UNDER THE DIRECT SUPERVISION OF:
Veronica A. Toño, P.E.
 DEPUTY DIRECTOR OF PUBLIC WORKS - ENGINEERING
 DATE: 8/29/23



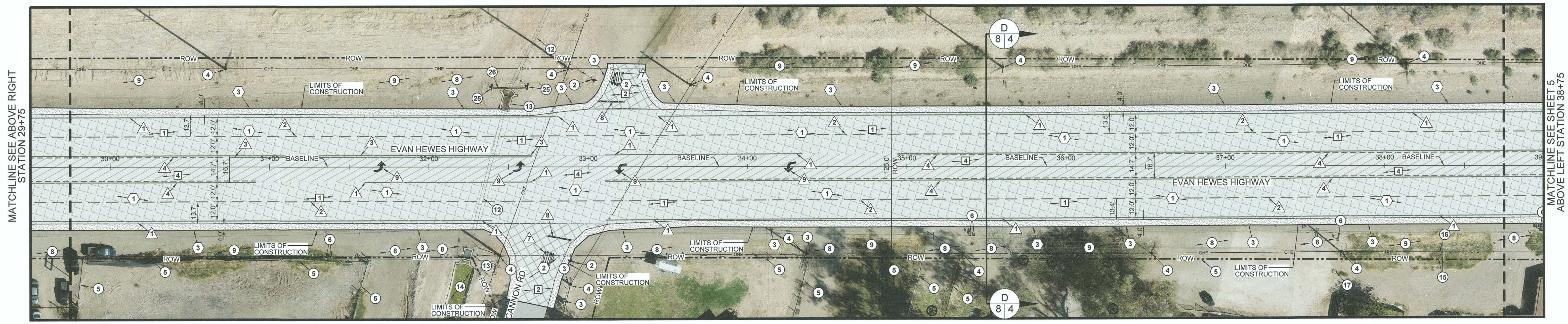
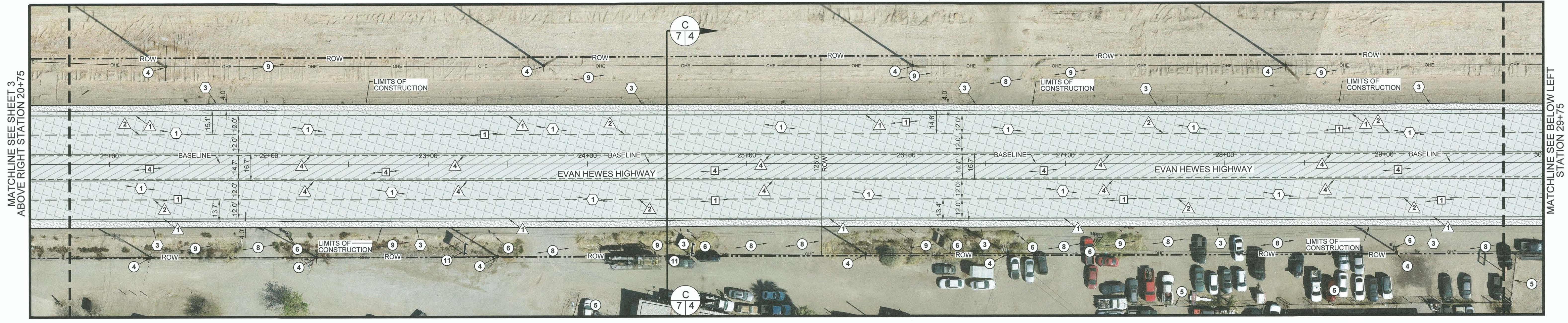
COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 APPROVED FOR CONSTRUCTION BY:
John A. Gay
 JOHN A. GAY, P.E.
 DIRECTOR OF PUBLIC WORKS
 DATE: 8/29/23

PUBLIC WORKS DEPARTMENT
COUNTY OF IMPERIAL
 EL CENTRO, CALIFORNIA

DATE: 08/29/2023
 DRAWN: AG
 SCALE: 1" = 30'
 CHECKED: V.A./A.G.

PROJECT TITLE
EVAN HEWES HIGHWAY REHABILITATION FROM EASTERN CITY OF EL CENTRO LIMITS TO HIGHWAY 111; STATE AID PROJECT NO. CRASL-5958(128); COUNTY PROJECT No. 7032

EXISTING SITE PLAN AND IMPROVEMENT PLAN FROM STA 5+00 TO STA 20+75
 REFERENCE: 7032
 SHEET 3 OF 13
 R-1012



LEGEND

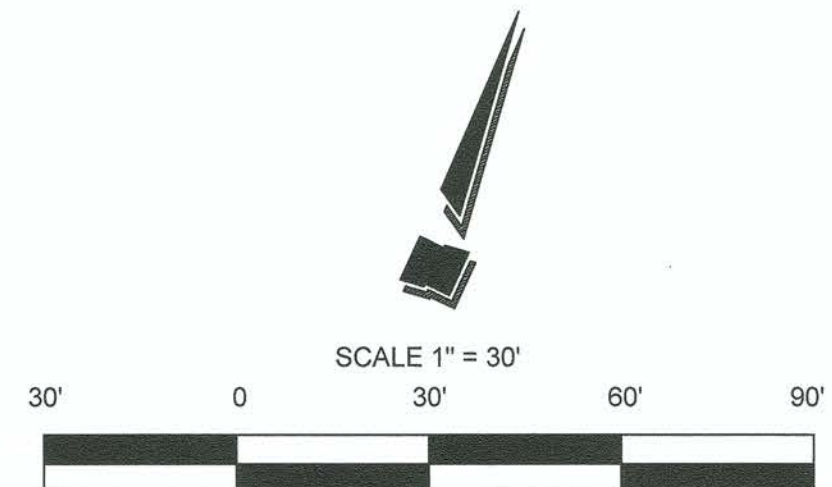
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| | CONTRACTOR SHALL GRIND 2-INCH OF EXISTING A.C. PAVEMENT, CLEAN AND CRACK SEAL EXISTING CRACKS, AND PLACE 2-INCHES OF A.C. PAVEMENT OVER A GEOSYNTHETIC PAVEMENT INTERLAYER OVER AN 1-INCH LEVELING COURSE. |
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| | ASPHALT CONCRETE TO BE TRANSITIONAL GRIND (COLD PLANE) FROM A VARIABLE GRIND TO A 2-INCH GRIND AS ILLUSTRATED ON IMPROVEMENT PLANS. |
| | INSTALL 4-FOOT WIDE CLASS 2 SHOULDER OR AS ILLUSTRATED ON THE IMPROVEMENT PLANS. |

- EXISTING KEYNOTES**
- 1 EXISTING AC PAVEMENT TO REMAIN.
 - 2 EXISTING STOP SIGN TO REMAIN.
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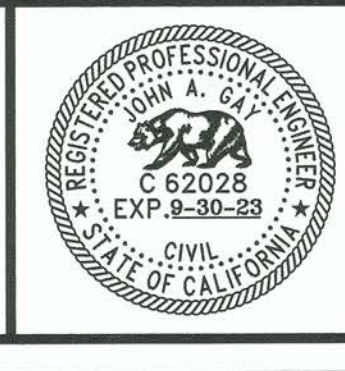
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PREPARED UNDER THE DIRECT SUPERVISION OF:

Veronica V. Atondo
 VERONICA ATONDO, P.E.
 DEPUTY DIRECTOR OF PUBLIC WORKS - ENGINEERING
 8/29/23
 DATE

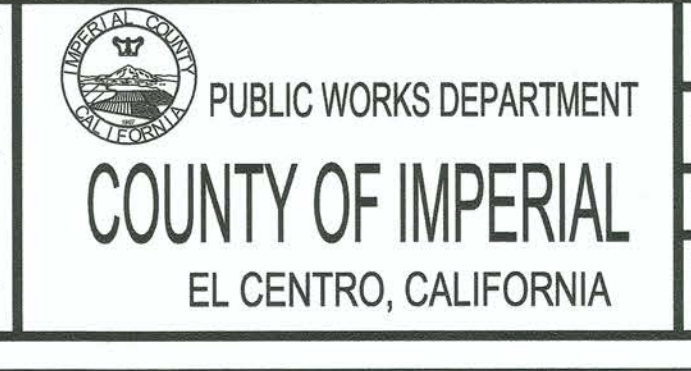
61484 R.C.E. No.
 06/30/25 REG. EXP.



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 APPROVED FOR CONSTRUCTION BY:

John A. Gay
 JOHN A. GAY, P.E.
 DIRECTOR OF PUBLIC WORKS
 8/29/23
 DATE

62028 R.C.E. No.
 09/30/23 REG. EXP.



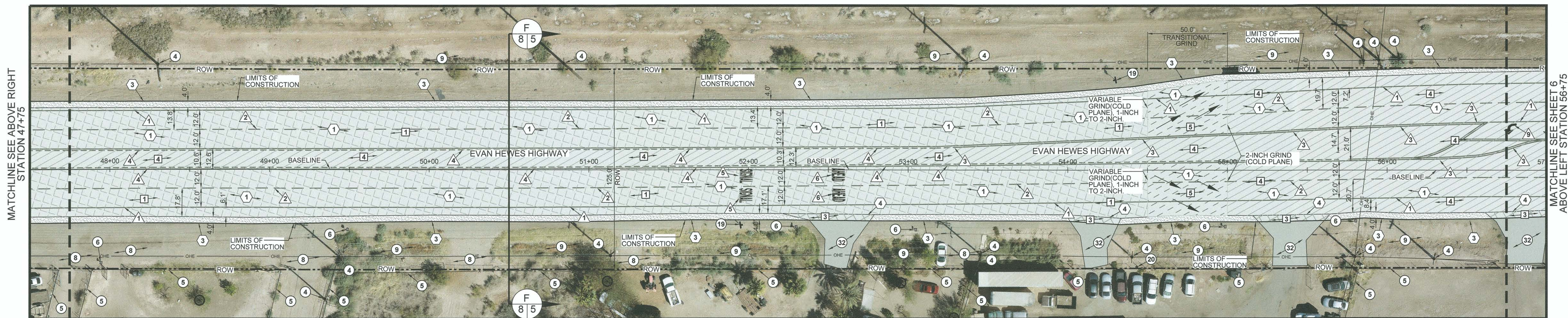
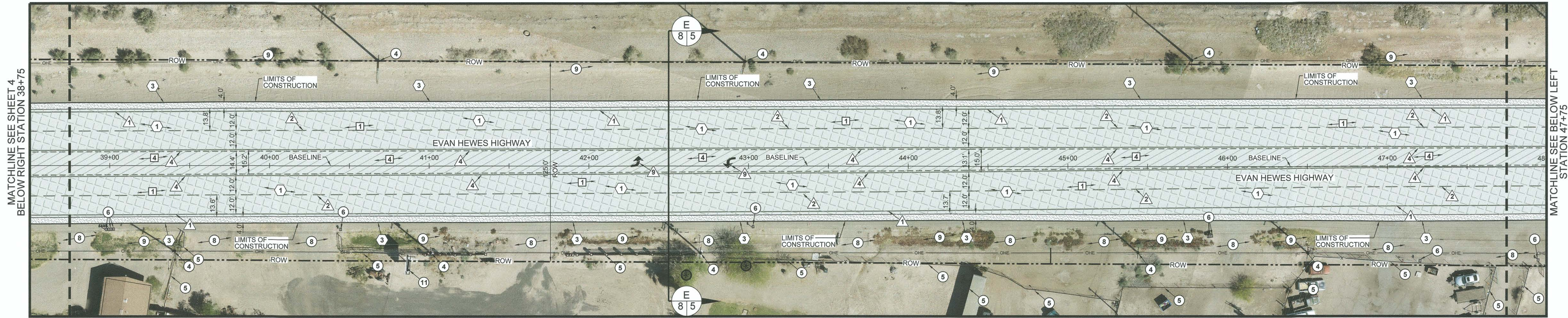
DATE 08/29/2023
 DRAWN AG
 SCALE 1" = 30'
 CHECKED V.A.J.A.G.

PROJECT TITLE
 EVAN HEWES HIGHWAY REHABILITATION FROM EASTERN CITY OF EL CENTRO LIMITS TO HIGHWAY 111; STATE AID PROJECT NO. CRASL-5958(128); COUNTY PROJECT No. 7032

EXISTING SITE PLAN AND IMPROVEMENT PLAN FROM STA 20+75 TO STA 38+75

REFERENCE 7032

R-1012 SHEET 4 OF 13



LEGEND

- CONTRACTOR SHALL GRIND 2-INCH OF EXISTING A.C. PAVEMENT, CLEAN AND CRACK SEAL EXISTING CRACKS, AND PLACE 2-INCHES OF A.C. PAVEMENT OVER A GEOSYNTHETIC PAVEMENT INTERLAYER OVER AN 1-INCH LEVELING COURSE.
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EXISTING KEYNOTES

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DEMOLITION KEYNOTES

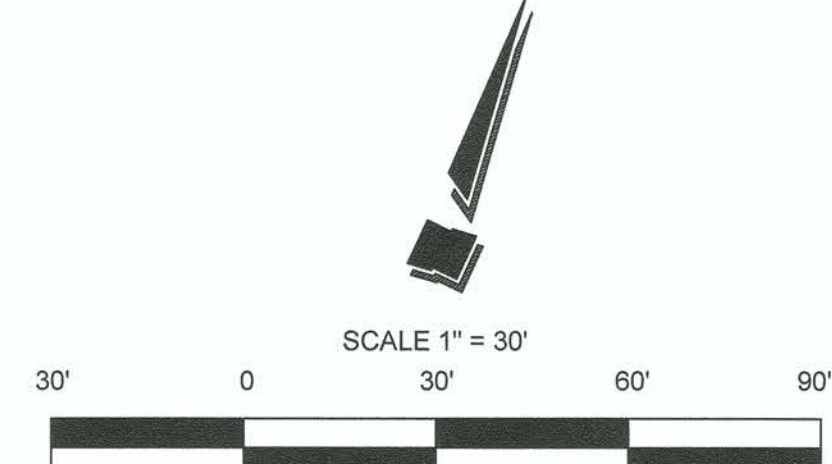
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CONSTRUCTION KEYNOTES

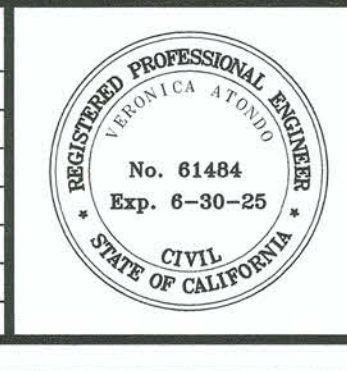
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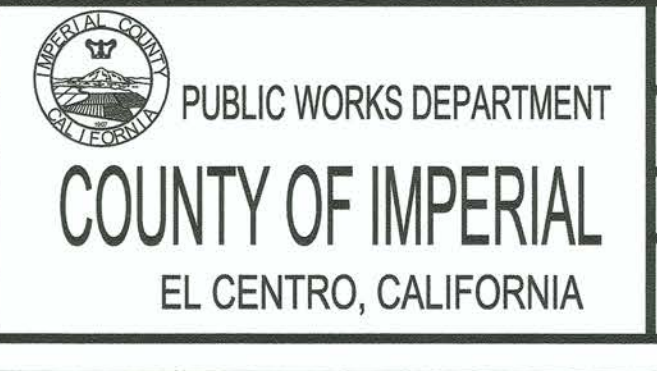
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PREPARED UNDER THE DIRECT SUPERVISION OF:
Veronica V. Atondo
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 DATE



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
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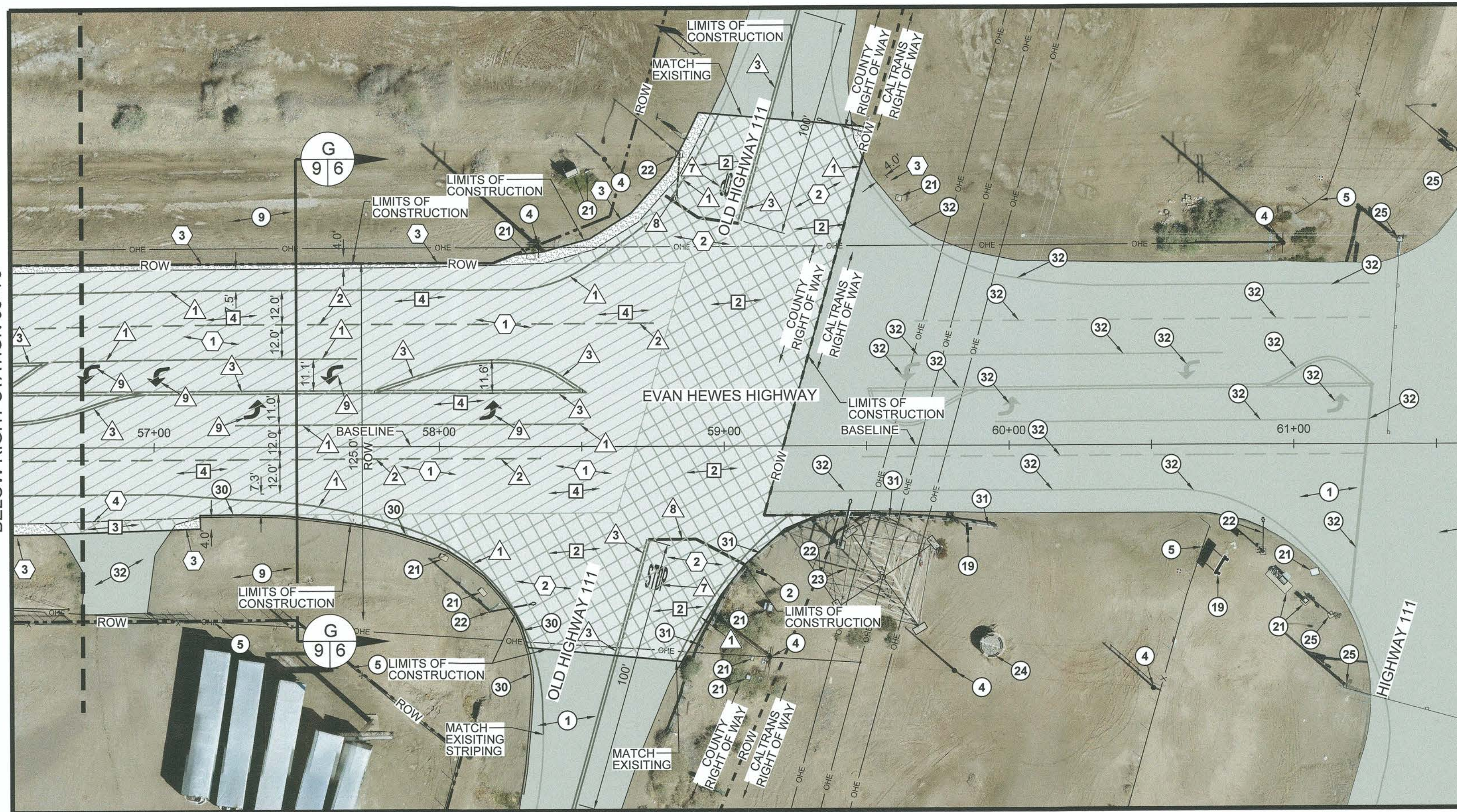


DATE: 08/29/2023
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PROJECT TITLE
EVAN HEWES HIGHWAY REHABILITATION FROM EASTERN CITY OF EL CENTRO LIMITS TO HIGHWAY 111; STATE AID PROJECT NO. CRASL-5958(128); COUNTY PROJECT No. 7032

| | |
|---|---------------|
| EXISTING SITE PLAN AND IMPROVEMENT PLAN FROM STA 38+75 TO STA 56+75 | |
| REFERENCE | R-1012 |
| 7032 | SHEET 5 OF 13 |

MATCHLINE SEE SHEET 5 BELOW RIGHT STATION 56+75



LEGEND

- CONTRACTOR SHALL GRIND 2-INCH OF EXISTING A.C. PAVEMENT, CLEAN AND CRACK SEAL EXISTING CRACKS, AND PLACE 2-INCHES OF A.C. PAVEMENT OVER A GEOSYNTHETIC PAVEMENT INTERLAYER OVER AN 1-INCH LEVELING COURSE.
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EXISTING KEYNOTES

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- 3 CONTRACTOR SHALL GRIND (HEADER CUT) THE EXISTING DRIVEWAY A.C. PAVEMENT TO TRANSITION DRIVEWAY ENTRANCE AS ILLUSTRATED ON IMPROVEMENT PLANS OR AS DIRECTED BY THE ENGINEER. SEE DETAIL B ON SHEET 10.
- 4 CONTRACTOR SHALL GRIND (COLD PLANE) THE EXISTING A.C. PAVEMENT FOR A MAXIMUM 2-INCH IN DEPTH. THE CONTRACTOR SHALL CRACK SEAL THE EXISTING A.C. PAVEMENT AFTER GRINDING PROCESS HAS BEEN COMPLETED. SEE SECTION A-A THROUGH G-G ON SHEET 7 TO SHEET 9.
- 5 CONTRACTOR SHALL TRANSITIONAL GRIND (COLD PLANE) THE EXISTING A.C. PAVEMENT FROM THE VARIABLE GRIND OPERATION TO A FULL 2-INCH GRIND. THE CONTRACTOR SHALL CRACK SEAL THE EXISTING A.C. PAVEMENT AFTER GRINDING PROCESS HAS BEEN COMPLETED. AS ILLUSTRATED ON THE IMPROVEMENT PLANS.

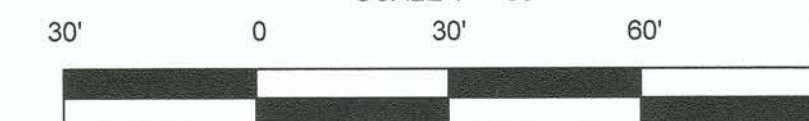
CONSTRUCTION KEYNOTES

- 1 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 2-INCHES OF A.C. PAVEMENT OVER A GEOSYNTHETIC PAVEMENT INTERLAYER OVER A 1-INCH LEVELING COURSE. PRIOR TO THE 1-INCH LEVELING COURSE THE CONTRACTOR SHALL BACKFILL POTHOLES WITH MINIMUM 1'X1' AREA TO A MAXIMUM 3'X3' AREA WITH NO UNDERLYING STRUCTURAL SECTION AS APPROVED BY THE RESIDENT ENGINEER. POTHOLES SHALL BE BACKFILLED WITH 1/2-INCH HOT MIX AC PAVEMENT. SEE SECTION A-A THROUGH G-G ON SHEET 7 TO SHEET 8.
- 2 CONTRACTOR TO INSTALL A.C. PAVEMENT AT "HEADER CUT" JOINT TO ACCOMMODATE NEW SECTION OR AS DIRECTED BY THE ENGINEER. SEE DETAIL A ON SHEET 10.
- 3 CONTRACTOR TO PLACE CLASS 2 BASE MATERIAL FLUSH WITH NEW A.C. PAVEMENT FOR A HORIZONTAL DISTANCE OF 4-FOOT OR AS ILLUSTRATED ON IMPROVEMENT PLANS BY THE HATCH AREA TO DAYLIGHT. COMPACT CLASS 2 BASE MATERIAL TO 95 PERCENT OF MAXIMUM DENSITY PER ASTM D-1557. APPLY LIGHT MIST OF WATER TO THE CLASS 2 SURFACE AFTER FINAL GRADING IS SATISFACTORILY COMPLETED. A-A THROUGH G-G ON SHEET 7 TO SHEET 8.
- 4 CONTRACTOR SHALL INSTALL 2-INCHES OF A.C. PAVEMENT ON PAVED DRIVEWAY AS ILLUSTRATED ON IMPROVEMENTS PLANS. SEE DETAIL B ON SHEET 10.

STRIPING KEYNOTES

- 1 CONTRACTOR TO PAINT A 6-INCH SOLID WHITE EDGE LINE STRIPE PER CALTRANS STANDARD PLAN A20B, DETAIL 27B. SEE DETAIL C ON SHEET 10.
- 2 CONTRACTOR TO PAINT A 6-INCH DASH WHITE LANELINE STRIPE PER CALTRANS STANDARD PLAN A20A, DETAIL 11. SEE DETAIL D ON SHEET 10.
- 3 CONTRACTOR TO PAINT A 6-INCH SOLID DOUBLE YELLOW LANELINE STRIPE PER CALTRANS STANDARD PLAN A20A, DETAIL 21. SEE DETAIL D ON SHEET 10.
- 4 CONTRACTOR TO PAINT A 6-INCH DOUBLE YELLOW "NO PASSING ZONE" LANELINE STRIPE PER CALTRANS STANDARD PLAN A20A, DETAIL 18. SEE DETAIL D ON SHEET 10.
- 5 CONTRACTOR TO PAINT "SIGNAL" LEGEND PER CALTRANS STANDARD PLAN A24D. SEE DETAIL E ON SHEET 11.
- 6 CONTRACTOR TO PAINT "AHEAD" LEGEND PER CALTRANS STANDARD PLAN A24D. SEE DETAIL E ON SHEET 11.
- 7 CONTRACTOR TO PAINT "STOP" LEGEND PER CALTRANS STANDARD PLAN A24D. SEE DETAIL E ON SHEET 11.
- 8 CONTRACTOR TO PAINT 12-INCH WIDE STOP BAR PER CALTRANS STANDARD PLAN A24G. SEE DETAIL F ON SHEET 11.
- 9 CONTRACTOR TO PAINT ARROW LEGEND PER CALTRANS STANDARD PLAN A24A, TYPE IV (L). SEE DETAIL G ON SHEET 11.

SCALE 1" = 30'



| REVISION | DATE | COMMENTS |
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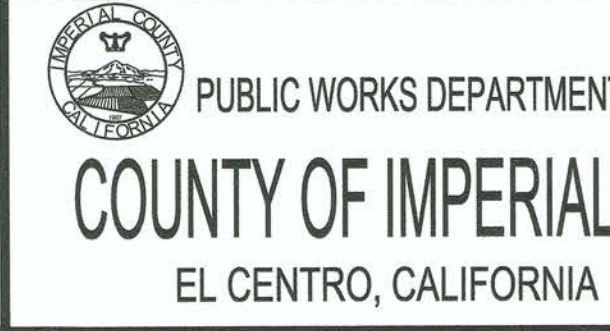
PREPARED UNDER THE DIRECT SUPERVISION OF:
Atondo V.
 VERONICA ATONDO, P.E.
 DEPUTY DIRECTOR OF PUBLIC WORKS - ENGINEERING
 8/29/23
 DATE

61484
 R.C.E. No.
 06/30/25
 REG. EXP.



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 APPROVED FOR CONSTRUCTION BY:
John Gay
 JOHN A. GAY, P.E.
 DIRECTOR OF PUBLIC WORKS
 8/29/23
 DATE

62028
 R.C.E. No.
 09/30/23
 REG. EXP.



DATE: 08/29/2023
 DRAWN: AG
 SCALE: 1" = 30'
 CHECKED: V.A./A.G.

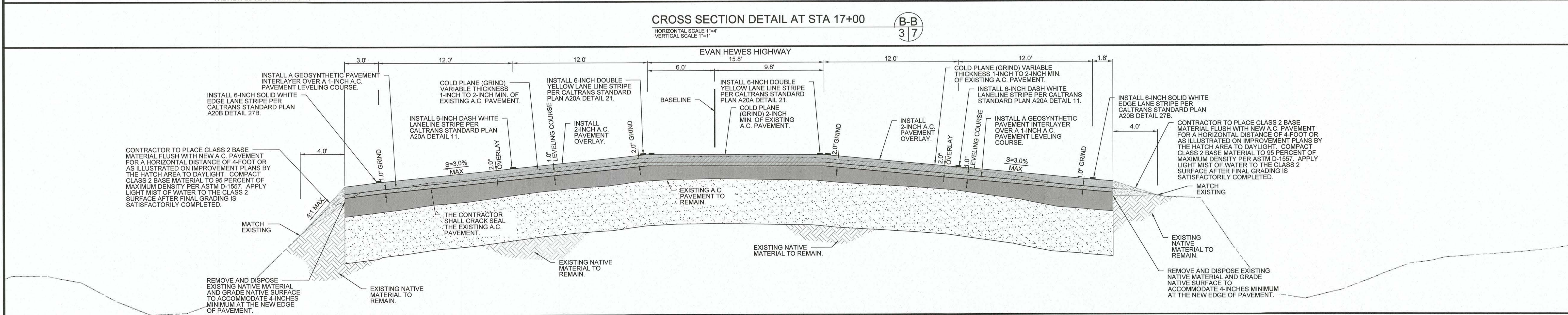
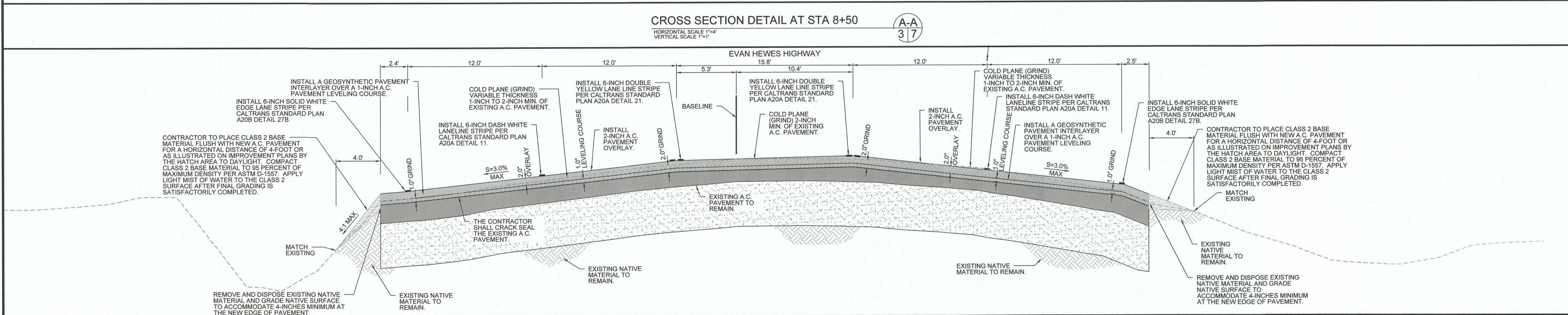
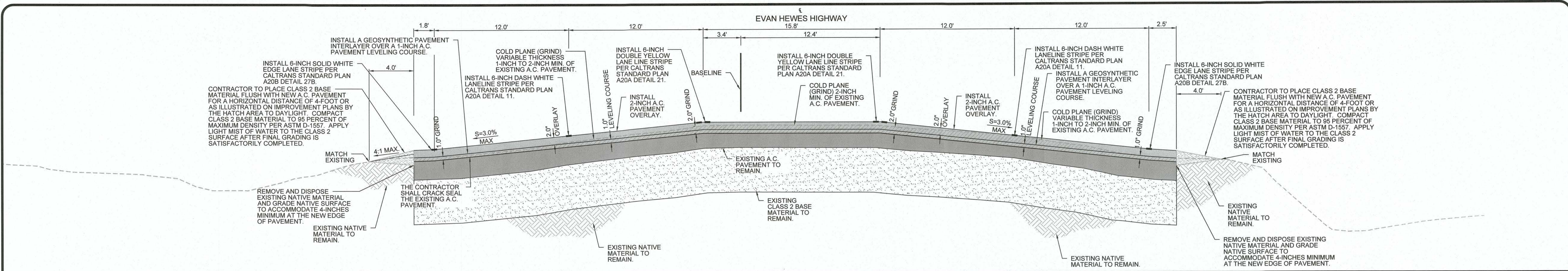
PROJECT TITLE

EVAN HEWES HIGHWAY REHABILITATION FROM EASTERN CITY OF EL CENTRO LIMITS TO HIGHWAY 111; STATE AID PROJECT NO. CRASL-5958(128); COUNTY PROJECT No. 7032

EXISTING SITE PLAN AND IMPROVEMENT PLAN FROM STA 56+75 TO END OF CONSTRUCTION

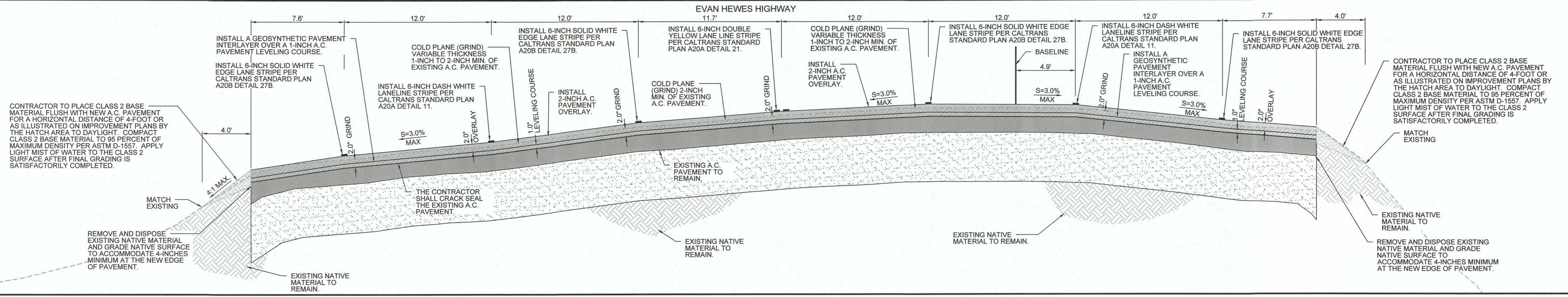
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R-1012
 SHEET OF
 6 OF 13



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| | PREPARED UNDER THE DIRECT SUPERVISION OF: Veronica V. Atondo VERONICA ATONDO, P.E. DEPUTY DIRECTOR OF PUBLIC WORKS - ENGINEERING 8/29/23 DATE | 61484 R.C.E. No. 06/30/25 REG. EXP. | | COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT APPROVED FOR CONSTRUCTION BY: John A. Gay JOHN A. GAY, P.E. DIRECTOR OF PUBLIC WORKS 8/29/23 DATE | 62028 R.C.E. No. 09/30/23 REG. EXP. | | PUBLIC WORKS DEPARTMENT COUNTY OF IMPERIAL EL CENTRO, CALIFORNIA | DATE: 08/29/2023 DRAWN: AG SCALE: NTS CHECKED: V.A./A.G. | PROJECT TITLE EVAN HEWES HIGHWAY REHABILITATION FROM EASTERN CITY OF EL CENTRO LIMITS TO HIGHWAY 111; STATE AID PROJECT NO. CRASL-5958(128); COUNTY PROJECT NO. 7032 | CROSS SECTION REFERENCE: 7032 SHEET 7 OF 13 |
|--|---|--|--|---|--|--|---|---|--|--|



CROSS SECTION DETAIL AT STA 57+50
 HORIZONTAL SCALE 1"=4'
 VERTICAL SCALE 1"=1'



| REVISION | DATE | COMMENTS |
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PREPARED UNDER THE DIRECT SUPERVISION OF:
Veronica V. Atonido, P.E.
 VERONICA ATONIDO, P.E.
 DEPUTY DIRECTOR OF PUBLIC WORKS - ENGINEERING
 DATE: 8/29/23
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COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
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PUBLIC WORKS DEPARTMENT
COUNTY OF IMPERIAL
 EL CENTRO, CALIFORNIA

DATE: 08/29/2023
 DRAWN: AG
 SCALE: NTS
 CHECKED: V.A./A.G.

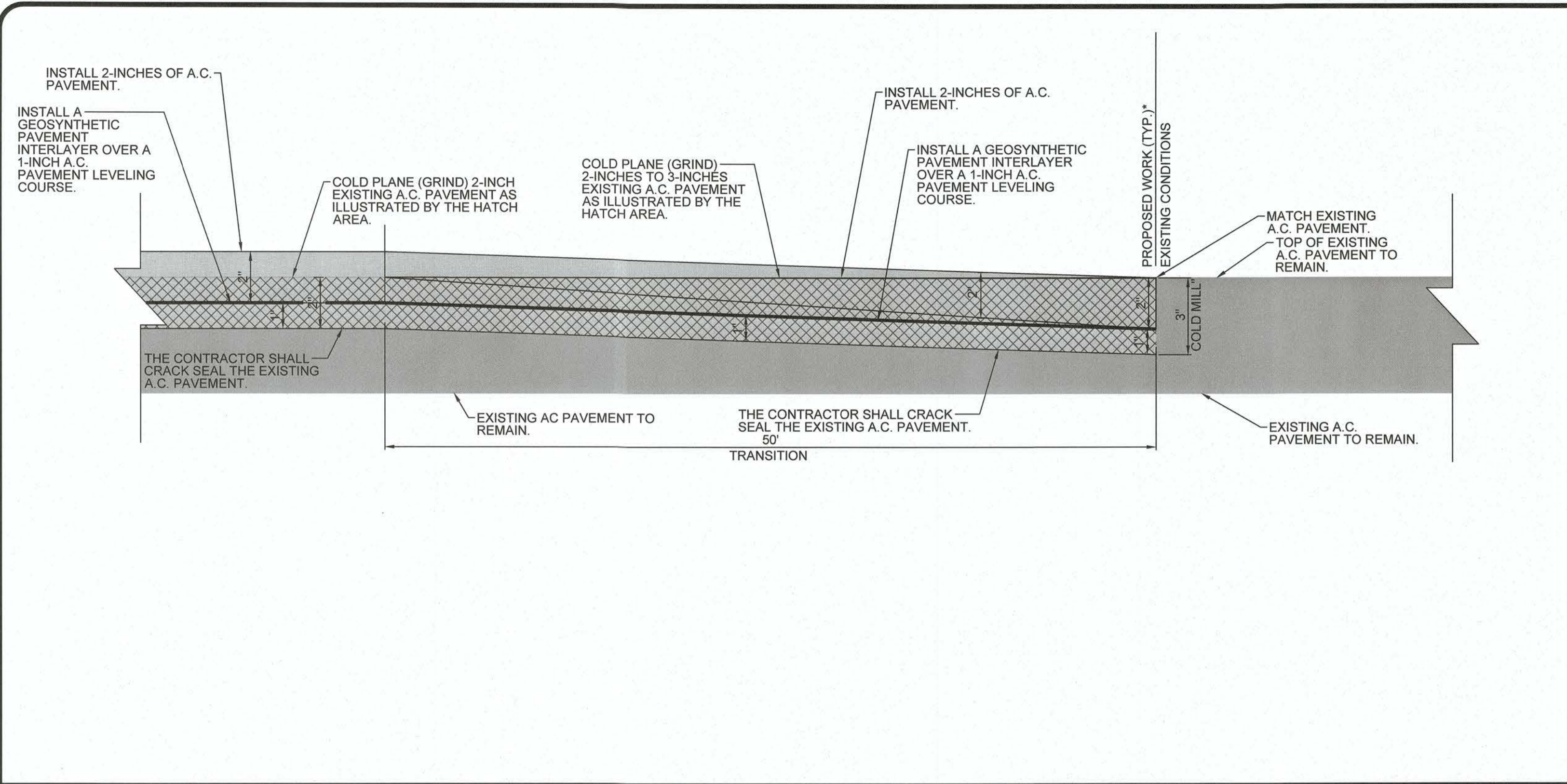
PROJECT TITLE
EVAN HEWES HIGHWAY REHABILITATION FROM EASTERN CITY OF EL CENTRO LIMITS TO HIGHWAY 111; STATE AID PROJECT NO. CRASL-5958(128); COUNTY PROJECT No. 7032

CROSS SECTION

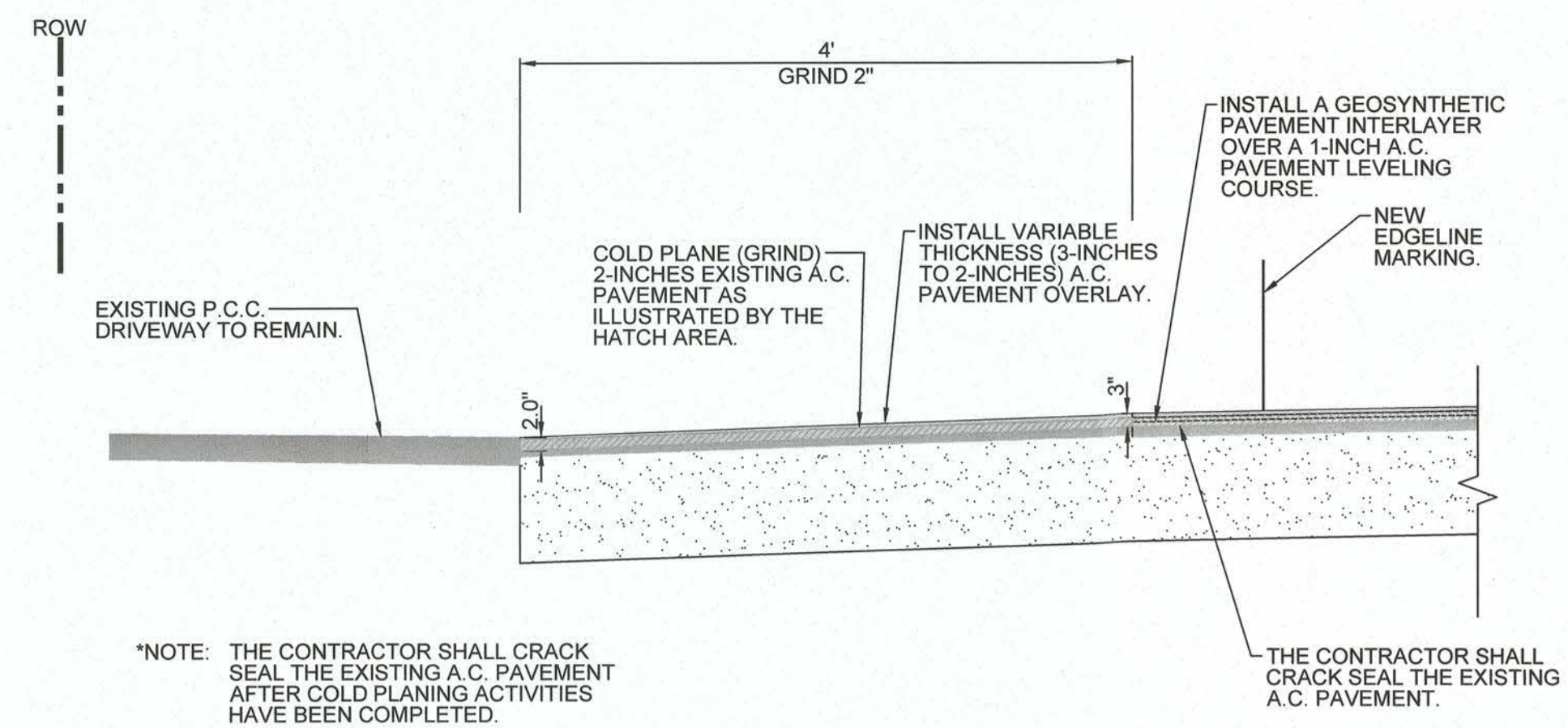
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R-1012

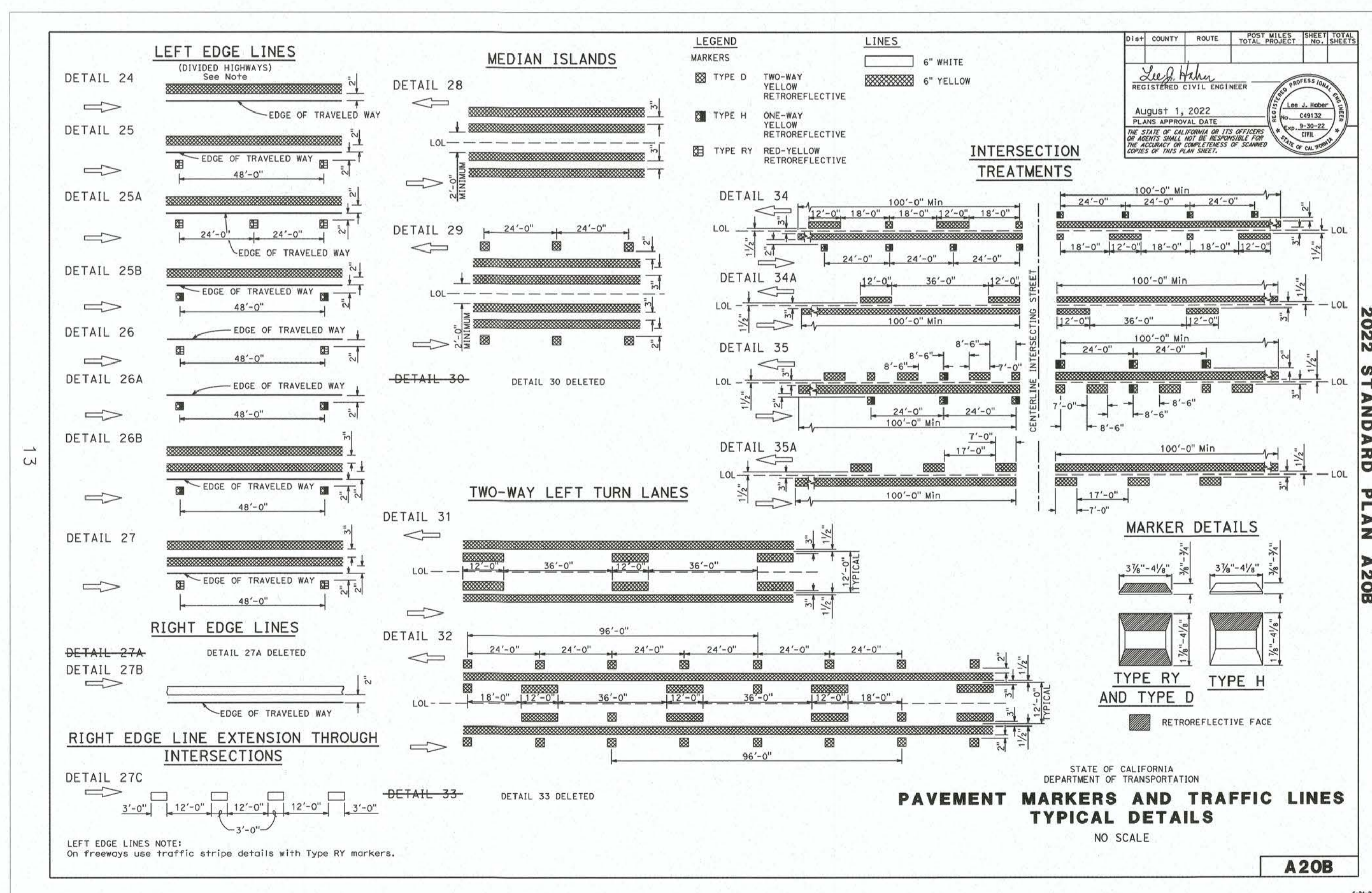
SHEET 9 OF 13



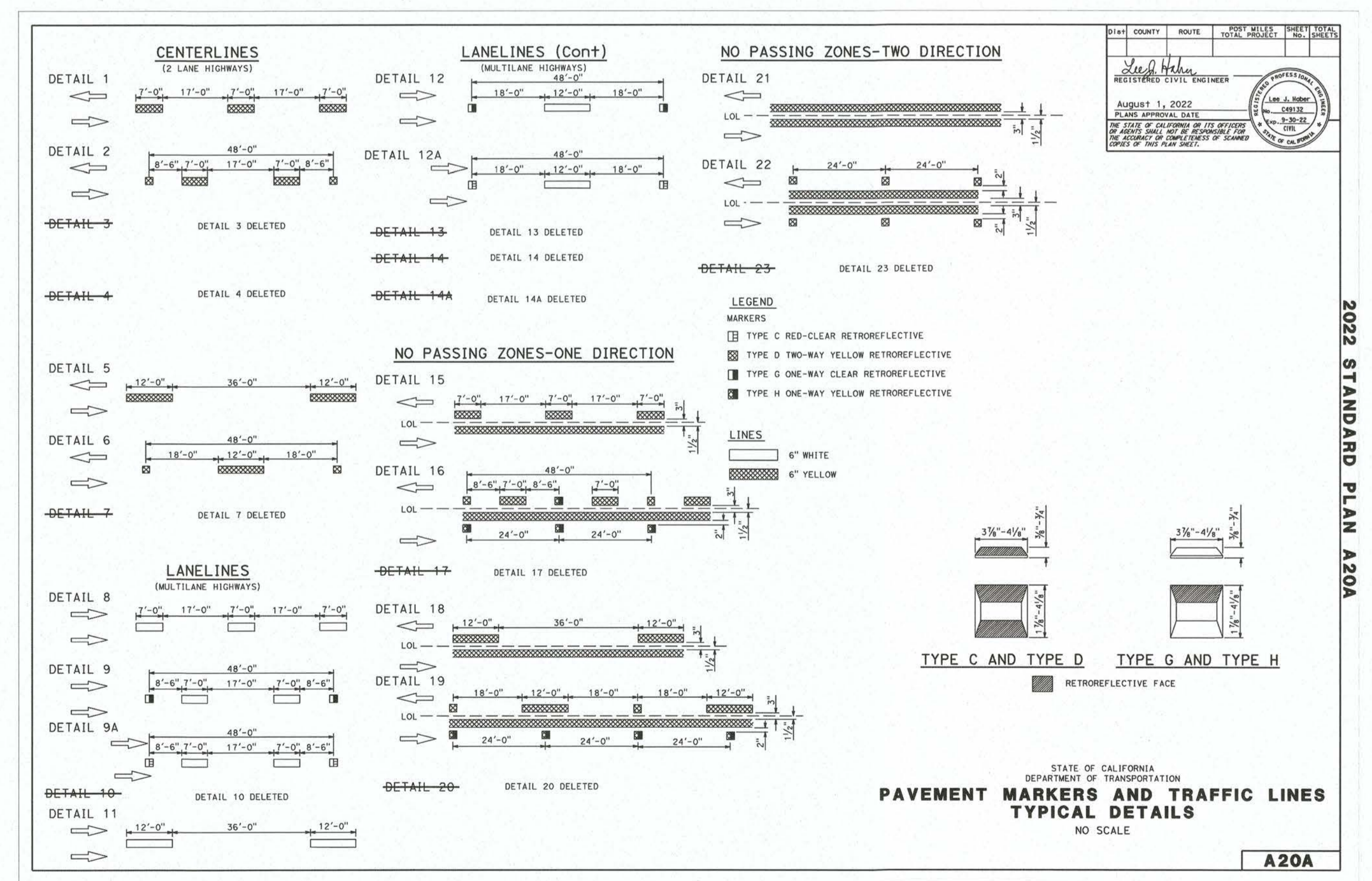
NEW PAVEMENT OVERLAY TO EXISTING PAVEMENT TRANSITION AREA DETAIL **A**
NTS 3.4.6/10



AC DRIVEWAY COLD PLANE (GRIND) TRANSITION DETAIL **B**
NTS 5.6/10



CALTRANS STANDARD PLAN A20B **C**
NTS 3-6/10



CALTRANS STANDARD PLAN A20A **D**
NTS 3-6/10

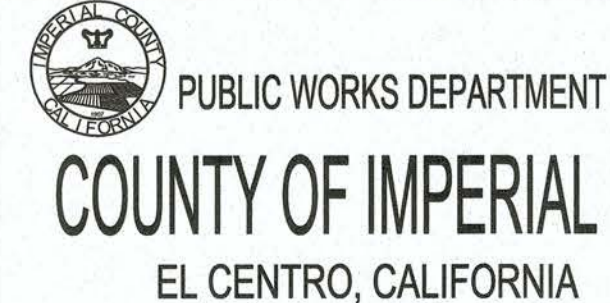
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PREPARED UNDER THE DIRECT SUPERVISION OF:
Atondo V.
 VERONICA ATONDO P.E.
 DEPUTY DIRECTOR OF PUBLIC WORKS - ENGINEERING
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 C 62028
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DETAIL SHEET
 REFERENCE: 7032
 SHEET OF: 10 13
R-1012

22

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKINGS WORDS
NO SCALE

A24D

DATE: COUNTY: ROUTE: POST MILES: SHEET TOTAL: 08/29/2023 IMPERIAL 7032 13 OF 13

John A. Gay
REGISTERED CIVIL ENGINEER
August 1, 2022
PLANS APPROVAL DATE

NOTES:
1. If a message consists of more than one word, it must read "UP", i.e., the first word must be nearest the driver.
2. The space between words must be at least four times the height of the characters for low speed roads, but not more than ten times the height of the characters. The space may be reduced appropriately where there is limited space because of local conditions.
3. Minor variations in dimensions may be accepted by the Engineer.
4. Portions of a letter, number or symbol may be separated by connecting segments not to exceed 2" in width.

| WORD MARKINGS | | | |
|---------------|------|----------|------|
| ITEM | ft+2 | ITEM | ft+2 |
| XING | 21 | YIELD | 24 |
| AHEAD | 31 | SCHOOL | 35 |
| WAIT | 19 | SIGNAL | 32 |
| LANE | 6 | TURN | 24 |
| RIGHT | 26 | HERE | 26 |
| | | BIKE | 5 |
| | | PEL | 18 |
| | | SLOW | 23 |
| | | COMPACT | 10 |
| | | STOP | 22 |
| | | RUNAWAY | 43 |
| | | LEFT | 19 |
| | | VEHICLES | 42 |
| | | | |

25

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKINGS YIELD LINES, LIMIT LINES, AND WRONG WAY DETAILS
NO SCALE

A24G

DATE: COUNTY: ROUTE: POST MILES: SHEET TOTAL: 08/29/2023 IMPERIAL 7032 13 OF 13

John A. Gay
REGISTERED CIVIL ENGINEER
August 1, 2022
PLANS APPROVAL DATE

LEGEND:
MARKERS: TYPE R ONE-WAY RED RETROREFLECTIVE

MARKER DETAILS:
3 3/4" x 4 1/2" x 3/8" TYPE R
1 3/8" x 1 3/8" x 1/2" TYPE R
RETROREFLECTIVE FACE ON BACKSIDE

NOTE:
1. If there is crosswalk at the end of the exit ramp, place Type R markers in front of the first line for wrong way vehicle that travels up the ramp with the red reflective side facing the intersection.

CALTRANS STANDARD PLAN A24D
NTS
E
4-6/11

CALTRANS STANDARD PLAN A24G
NTS
F
4,6/11

19

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKINGS ARROWS
NO SCALE

A24A

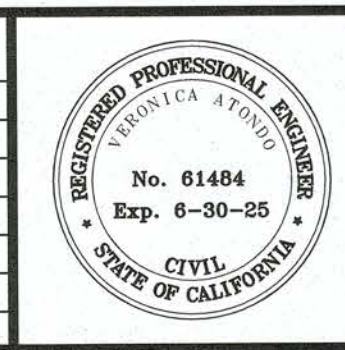
DATE: COUNTY: ROUTE: POST MILES: SHEET TOTAL: 08/29/2023 IMPERIAL 7032 13 OF 13

John A. Gay
REGISTERED CIVIL ENGINEER
August 1, 2022
PLANS APPROVAL DATE

NOTE:
Minor variations in dimensions may be accepted by the Engineer.

CALTRANS STANDARD PLAN A24A
NTS
G
3-6/11

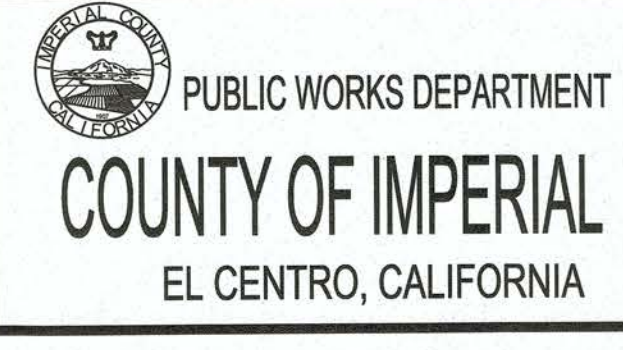
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PREPARED UNDER THE DIRECT SUPERVISION OF:
Veronica Atondo, P.E.
 DEPUTY DIRECTOR OF PUBLIC WORKS - ENGINEERING
 DATE: 8/29/23



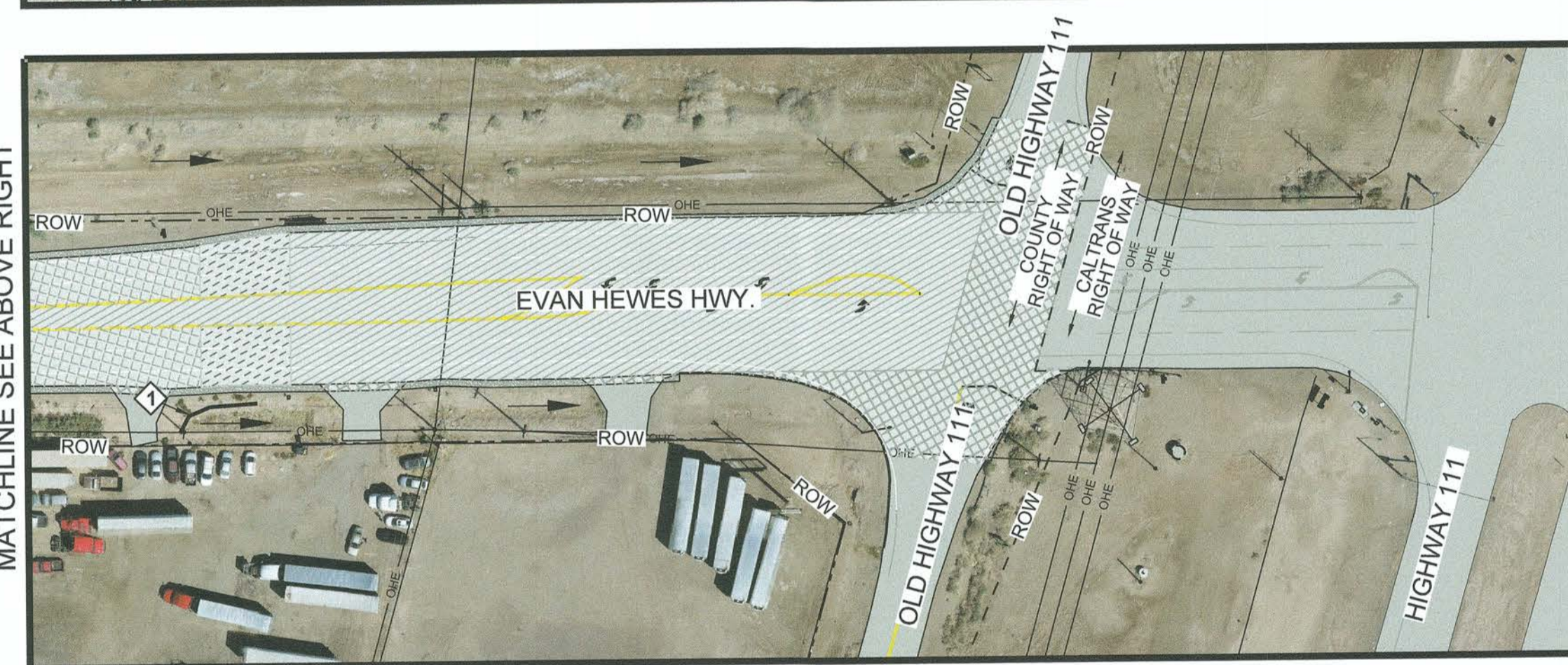
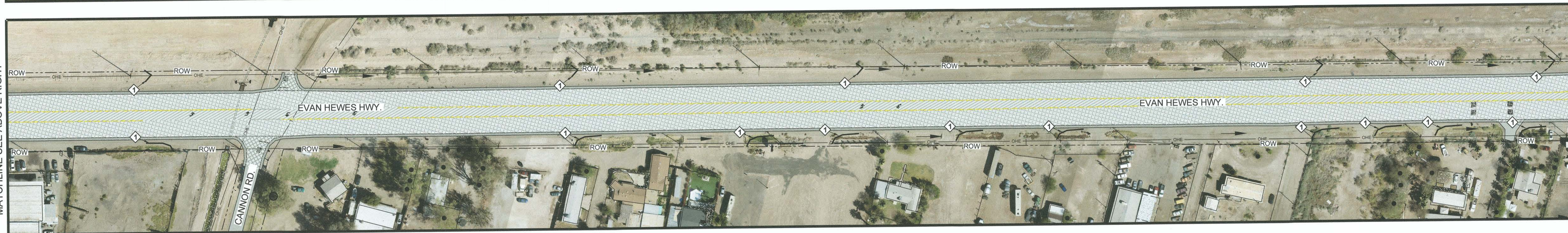
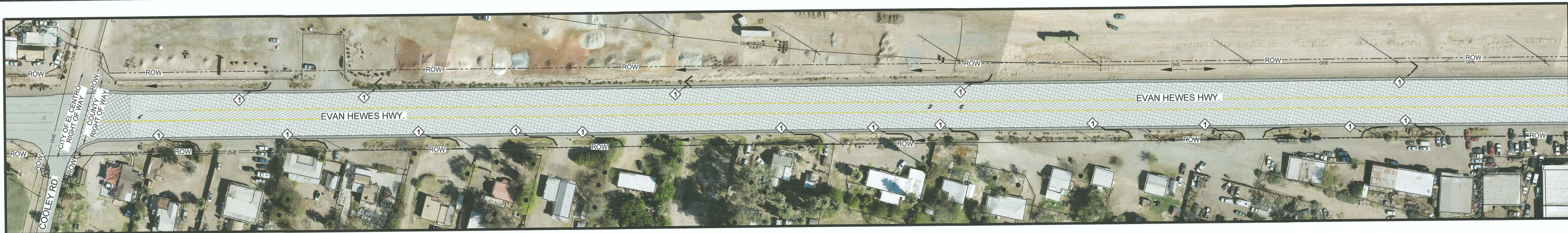
COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 APPROVED FOR CONSTRUCTION BY:
John A. Gay
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 DIRECTOR OF PUBLIC WORKS
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DATE: 08/29/2023
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 CHECKED: V.A.J.A.G.

PROJECT TITLE
EVAN HEWES HIGHWAY REHABILITATION FROM EASTERN CITY OF EL CENTRO LIMITS TO HIGHWAY 111; STATE AID PROJECT NO. CRASL-5958(128); COUNTY PROJECT No. 7032

DETAIL SHEET
 REFERENCE: **7032**
 SHEET OF: **13**



EVAN HEWES HIGHWAY - PLAN VIEW

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. 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 HERON.
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.

TEMPORARY CONSTRUCTION SITE BMPs

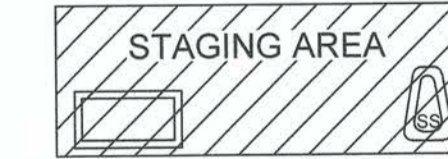
| BMP NO. | ITEM | NOTES/ COMMENT |
|---------|--------------------------------------|---|
| - | CONSTRUCTION SITE AND BMP MANAGEMENT | SITE MANAGEMENT INCLUDES, BUT IS NOT LIMITED TO TC-1, TC-3, WM-5, WM-6, NS-3, NS-12, WM-8 AND WM-9. REFER TO LATEST VERSION OF CASQA STORMWATER BMP HANDBOOK. |
| - | STREET SWEEPING | STREET SWEEPING SHALL BE PERFORMED DAILY AS NECESSARY TO ENSURE TRAVELED WAYS ARE FREE OF DIRT. |
| - | TEMPORARY RESTROOM FACILITIES | THE RESTROOM FACILITIES SHALL BE SECURED FROM OVERTURNING IN HIGH WIND CONDITIONS |
| WE-1 | WIND EROSION CONTROL | MAINTAIN DUST CONTROL THROUGHOUT THE ENTIRE SITE FOR THE DURATION OF THE PROJECT. WATER TRUCKS, OR EQUIVALENT BMP, SHALL BE USED FOR DUST SUPPRESSION. |

EROSION CONTROL KEYNOTES

- ◇ INSTALL FIBER ROLLS PER BMP DETAIL SC-5. SEE DETAIL Q AND P ON SHEET 13.
- ◇ INSTALL GRAVEL BAGS PER DETAIL Q ON SHEET 13. THE GRAVEL BAGS SHALL BE INSTALLED AT AS DIRECTED BY THE ENGINEER.
- ◇ CONTRACTOR SHALL SWEEP STREET PER SC-7.

STAGING AREA WILL USE THE FOLLOWING BMPs PER LATEST REVISION OF CASQA STORMWATER BMP HANDBOOK. LOCATION OF STAGING AREA TO APPROVED BY THE RESIDENT ENGINEER.

- WE-1 - WIND EROSION CONTROL
- TC-1 & TC-3 - STABILIZED CONSTRUCTION ENTRANCE / EXIT WITH TIRE WASH
- WM-5 - SOLID WASTE MANAGEMENT
- WM-6 - HAZARDOUS WASTE MANAGEMENT
- WM-8 - CONCRETE WASTE MANAGEMENT
- WM-9 - SANITARY / SEPTIC WASTE MANAGEMENT



LEGEND

- 1 PORTABLE TOILET
- 2 SAND BAGS
- 3 CONCRETE WASHOUT AREA
- 4 FIBER ROLLS
- 5 DRAINAGE FLOW DIRECTION

| REVISION | DATE | COMMENTS |
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Atondo V.
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DATE 08/29/2023
 DRAWN AG
 SCALE NTS
 CHECKED V.A./A.G.

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EROSION CONTROL PLAN

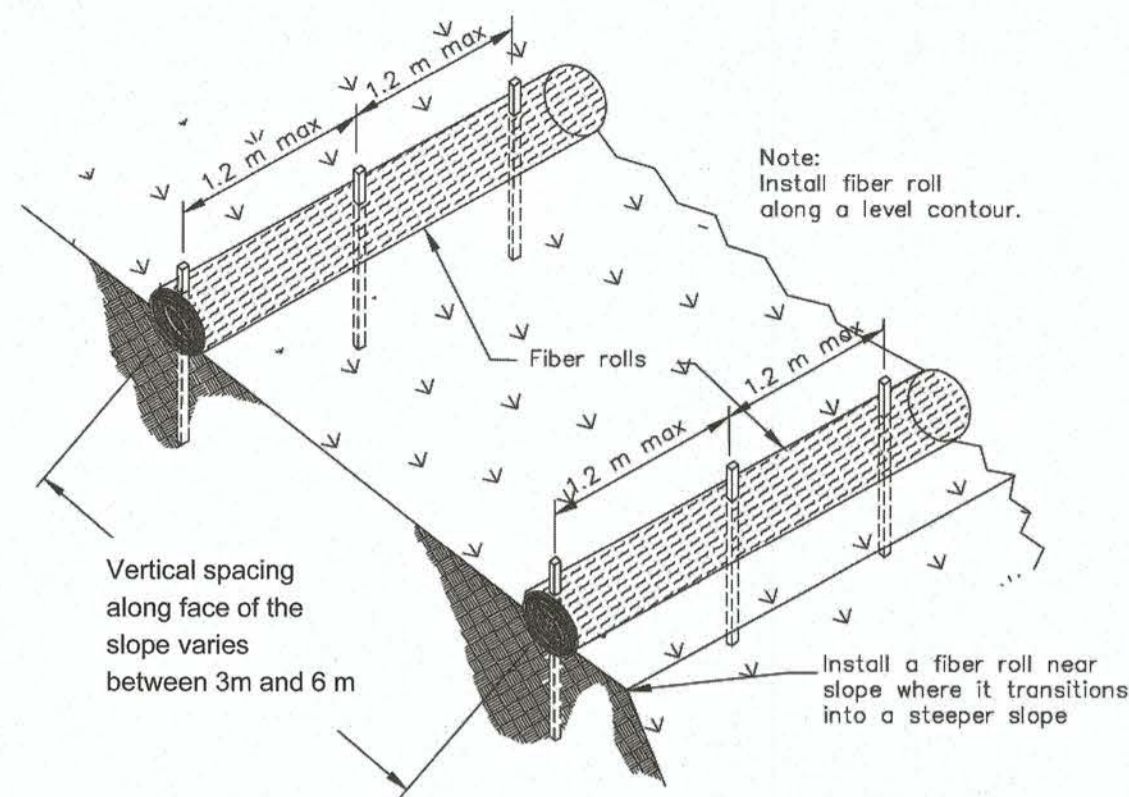
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R-1012

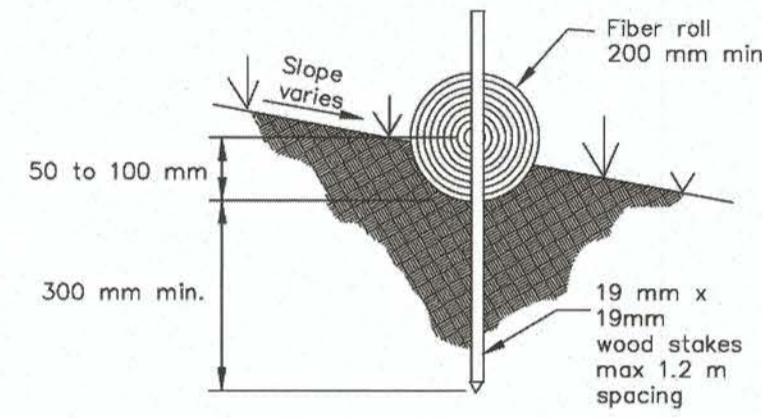
SHEET 12 OF 13

Fiber Rolls

SC-5



TYPICAL FIBER ROLL INSTALLATION
N.T.S.



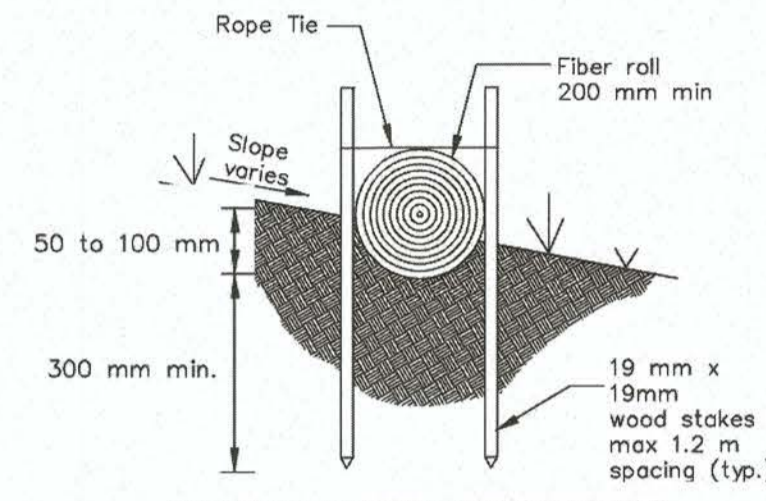
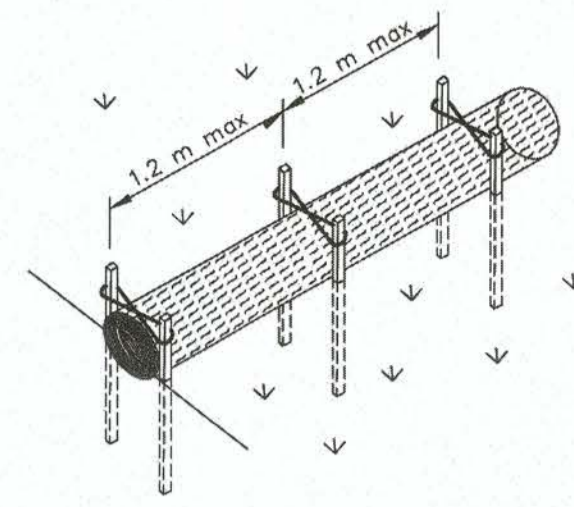
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N.T.S.

FIBER ROLL DETAIL
BMP SC-5
NTS

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12 | 13

Fiber Rolls

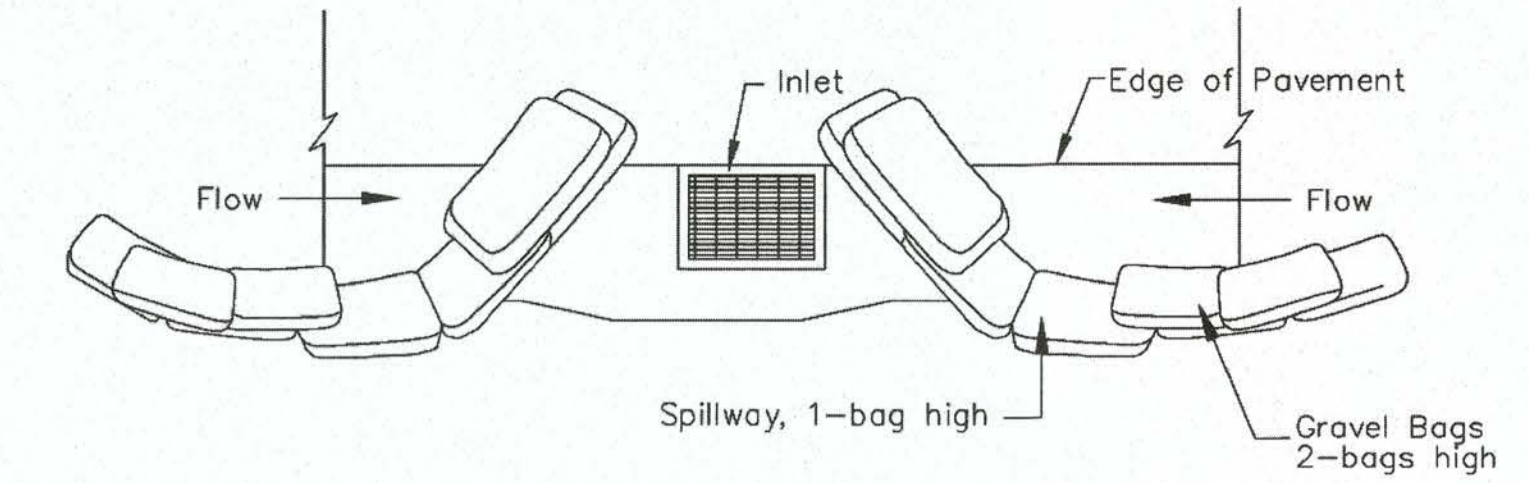
SC-5



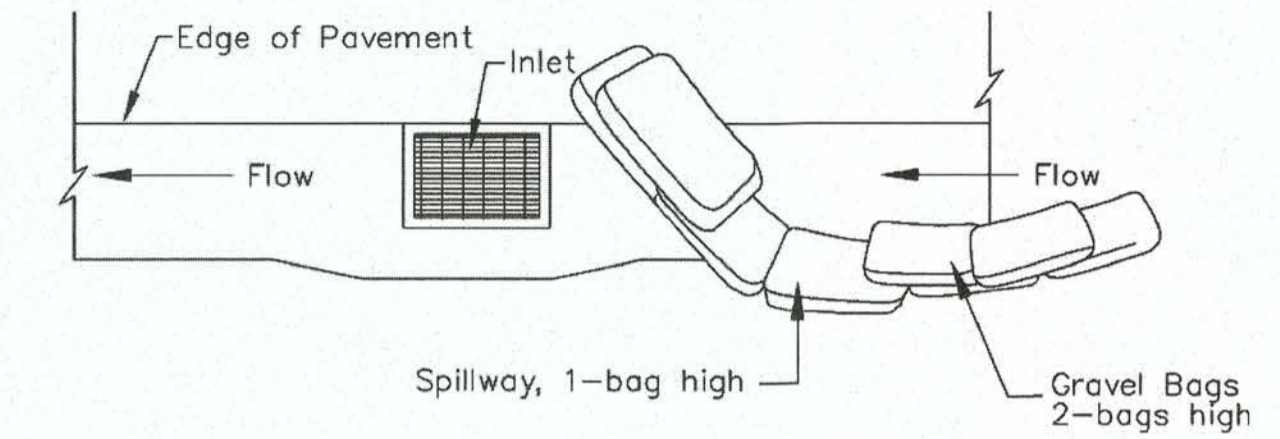
OPTIONAL ENTRENCHMENT DETAIL
N.T.S.

FIBER ROLL DETAIL
BMP SC-5
NTS

P
12 | 13



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.

SAND BAG DETAIL
BMP SC-10
NTS

Q
12 | 13

| REVISION | DATE | COMMENTS |
|----------|------|----------|
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PREPARED UNDER THE DIRECT SUPERVISION OF:

Veronica Atondo
VERONICA ATONDO, P.E.
DEPUTY DIRECTOR OF PUBLIC WORKS - ENGINEERING

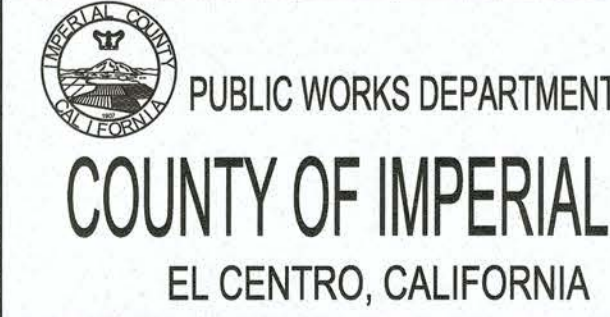
61484 R.C.E. No.
06/30/25 REG. EXP.



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
APPROVED FOR CONSTRUCTION BY:

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

62028 R.C.E. No.
09/30/23 REG. EXP.



DATE: 08/29/2023
DRAWN: AG
SCALE: NTS
CHECKED: V.A.J.A.G.

PROJECT TITLE
EVAN HEWES HIGHWAY REHABILITATION FROM EASTERN CITY OF EL CENTRO LIMITS TO HIGHWAY 111; STATE AID PROJECT NO. CRASL-5958(128); COUNTY PROJECT No. 7032

EROSION CONTROL DETAILS

REFERENCE: 7032

R-1012

SHEET 13 OF 13