



COUNTY OF IMPERIAL

KEYSTONE ROAD INTERSECTION IMPROVEMENTS AT AUSTIN ROAD IN IMPERIAL COUNTY FEDERAL PROJECT No. HRRR-5958(100) COUNTY PROJECT No. 6084

GENERAL NOTES

STREET IMPROVEMENT GENERAL NOTES

- APPROVAL OF THESE IMPROVEMENT PLANS AS SHOWN DOES NOT CONSTITUTE APPROVAL OF ANY CONSTRUCTION OUTSIDE THE PROJECT BOUNDARY.
- THE EXISTENCE AND LOCATION OF EXISTING UNDERGROUND FACILITIES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO OTHER EXISTING FACILITIES EXCEPT AS SHOWN ON THESE PLANS. HOWEVER, THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT ANY EXISTING FACILITY SHOWN HEREON AND ANY OTHER WHICH IS NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
- LOCATION AND ELEVATIONS OF IMPROVEMENTS TO BE MET BY WORK TO BE DONE SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION OF NEW WORK. CONTRACTOR WILL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISION ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES.
- UTILITIES COORDINATION

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

- | | |
|---|----------------|
| 1. APPROPRIATE WATER/SEWER UTILITY | (760) 337-4505 |
| 2. IMPERIAL IRRIGATION DISTRICT (POWER) | (760) 339-9280 |
| 3. IMPERIAL IRRIGATION DISTRICT (WATER) | (760) 339-9263 |
| 4. AT&T | (800) 422-4133 |
| 5. THE GAS CO. | 811 |
| 6. THE CABLE COMPANY (TIME WARNER) | (760) 312-6512 |

EXISTING UNDERGROUND UTILITIES

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

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

ACCURATE VERIFICATIONS AS TO SIZE, LOCATION AND DEPTH OF EXISTING UNDERGROUND SERVICES SHALL BE THE 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.
- 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 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 REGULATIONS OF IMPERIAL COUNTY, WHERE, OR IF, CONFLICTS OCCUR, THEN THE IMPERIAL COUNTY REQUIREMENTS SHALL GOVERN.
- UNLESS SPECIFICALLY INDICATED OTHERWISE METHODS EMPLOYED AND MATERIAL USED IN THE CONSTRUCTION OF ALL OFFSITE IMPROVEMENTS SHALL CONFORM TO THE APPLICABLE PROVISIONS OF THE "STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED MAY 2006". ALL WORK IS SUBJECT TO INSPECTION AND APPROVAL AS REQUIRED.

- UNLESS SPECIFICALLY INDICATED OTHERWISE METHODS EMPLOYED AND MATERIAL USED IN THE CONSTRUCTION OF ALL OFFSITE IMPROVEMENTS SHALL CONFORM TO THE APPLICABLE PROVISIONS OF THE "STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED MAY 2006". ALL WORK IS SUBJECT TO INSPECTION AND APPROVAL AS REQUIRED.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DIVISION OF SAFETY AND TO ADHERE TO ALL PROVISIONS OF THE STATE CONSTRUCTION SAFETY ORDERS AND STANDARDS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ADHERE FULLY WITH THE GENERAL CONSTRUCTION ACTIVITY "STORM WATER PERMIT FROM THE STATE WATER RESOURCES CONTROL BOARD DIVISION OF WATER QUALITY. CONTACT "STATE WATER RESOURCES CONTROL BOARD, DIVISION OF WATER QUALITY, ATTENTION: STORM WATER PERMIT UNIT, P.O. BOX 1977, SACRAMENTO, CALIFORNIA, 95812".
- CONSTRUCTION PROJECTS DISTURBING MORE THAN ONE ACRE MUST OBTAIN A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT. OWNER/DEVELOPERS ARE REQUIRED TO FILE A NOTICE OF INTENT (NOI) WITH THE STATE WATER RESOURCES CONTROL BOARD, PREPARE A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND MONITORING PLAN FOR THE SITE.
- 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.
- 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 RESETTling 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.
- 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.

SIGNING/STRIPING GENERAL NOTES

- ALL STRIPING AND PAVEMENT MARKINGS SHALL CONFORM TO LATEST EDITION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CAMUTCD), THESE PLANS, AND THE SPECIAL PROVISIONS. SEE CAMUTCD FIGURES 3A-101 (CA) THROUGH FIGURE 3A-113 (CA) FOR STRIPING DETAILS. SEE FIGURE 3B-23 FOR PAVEMENT MARKINGS. SEE FIGURE 3B-103 FOR TYPICAL LIMIT LINE INSTALLATION.
- ALL SIGNING AND RAISED PAVEMENT MARKERS SHALL CONFORM TO THE LATEST EDITION OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CAMUTCD), AND CALTRANS STANDARD PLANS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL INSTALL BLUE RAISED PAVEMENT MARKERS ADJACENT TO ALL FIRE HYDRANT WITHIN THE PROJECT LIMITS IN ACCORDANCE TO THE CAMUTCD.
- ALL TRAFFIC STRIPES, ARROWS AND PAVEMENT MARKINGS SHALL BE PAINT, AND INSTALLED WITH TWO (2) COATS OF PAINT. THE SECOND COAT OF PAINT SHALL BE APPLIED BETWEEN 7 AND 14 DAYS AFTER THE FIRST COAT.
- ALL NEW STRIPING SHALL BE CAT TRACKED AND APPROVED BY THE ENGINEER PRIOR TO PAINTING.
- PRIOR TO FINAL ACCEPTANCE OF STREET IMPROVEMENTS, ALL STREET STRIPING AND STENCILING WITHIN THE PERIMETER OF THE CONSTRUCTION AREA WILL BE RESTORED TO LIKE NEW CONDITION, IN A MANNER MEETING THE APPROVAL OF THE COUNTY OF IMPERIAL.
- CONTRACTOR SHALL REMOVE CONFLICTING TRAFFIC STRIPES AND PAVEMENT MARKINGS BY WET SANDBLASTING. CONTRACTOR SHALL REMOVE CONFLICTING PAVEMENT MARKERS. BLACK TAPE MARKING OR GRINDING SHALL NOT BE ALLOWED.
- ALL SIGNS SHALL BE ALUMINUM WITH 3M DIAMOND GRADE RETRO-REFLECTIVE. GUIDE SIGNS SHALL BE ENGINEERING GRADE RETRO-REFLECTIVE FACE.
- SIGNS SHALL BE STANDARD SIZE, UNLESS IN RURAL AREAS OR NOTED OTHERWISE. PRIOR TO INSTALLATION, CONTRACTOR SHALL PROVIDE SHOP DRAWINGS TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ORDERING. EXACT LOCATION OF SIGNS SHALL BE DETERMINED BY THE ENGINEER.
- SIGN POSTS SHALL BE TELESPEAR POST IN ACCORDANCE TO IMPERIAL COUNTY STANDARDS, UNLESS APPROVED OTHERWISE BY THE ENGINEER.

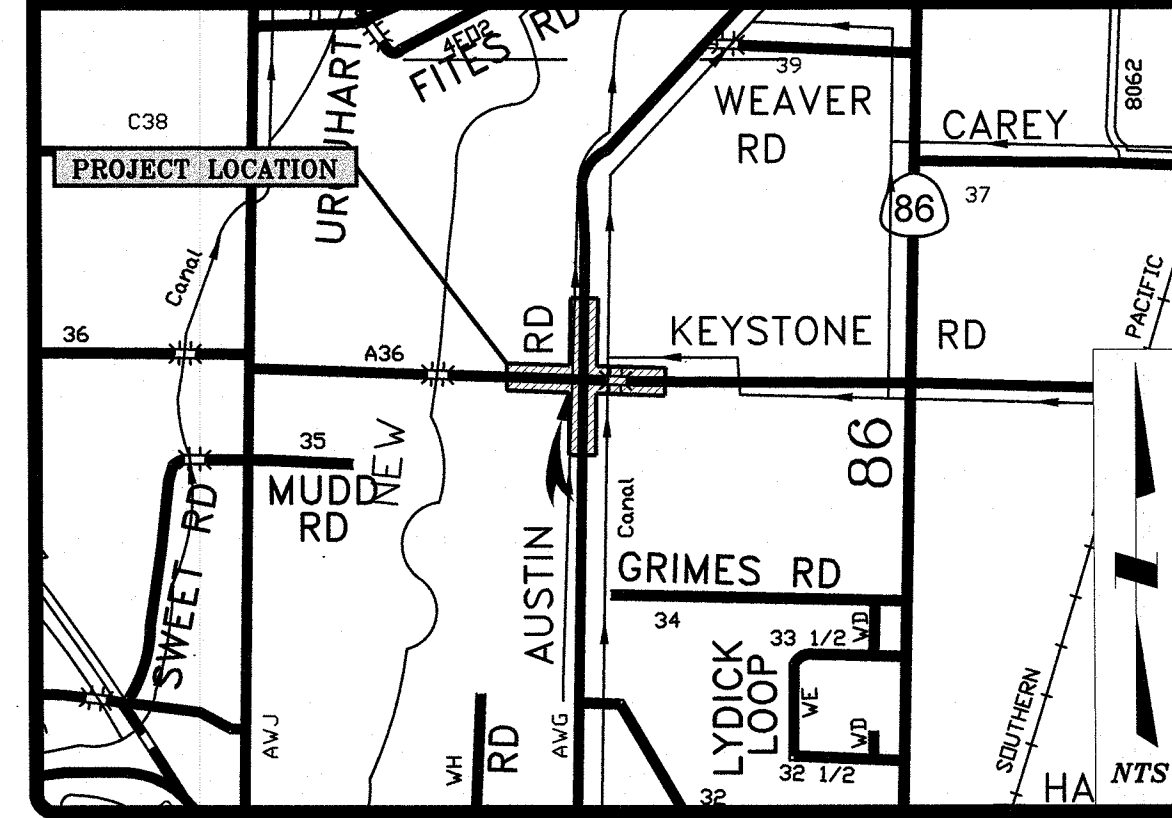
GRADING PLAN GENERAL NOTES

- FINAL APPROVAL OF THESE GRADING PLANS SUBJECT TO FINAL APPROVAL OF THE ASSOCIATED IMPROVEMENT PLANS WHERE APPLICABLE.
- 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 CONTACT DIG ALERT AT 811 AND VERIFY THE EXISTENCE AND LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK.
- DUST SHALL BE CONTROLLED IN ACCORDANCE WITH THE APPROVED PM10 PLAN. APPROVAL SHALL BE BY IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT.
- 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 CONTRACTOR SHALL NOTIFY "UNDERGROUND SERVICE ALERT" AT 811 A MINIMUM OF TWO DAYS PRIOR TO THE COMMENCEMENT OF ANY DIGGING OR EXCAVATION.
- 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.

LEGEND

ITEM NO.	ITEM	SYMBOL
1.	EDGE OF EXISTING PAVEMENT	---
2.	CENTERLINE/BASELINE	---
3.	FENCE	--- ---
4.	POWER POLE OR TELEPHONE POLE	○
5.	EXISTING SIGN	○
6.	PROPOSED SIGN	○
7.	EXISTING AC PAVEMENT	▨
8.	EXISTING AC PAVEMENT	▨
9.	PROPOSED 1" GRIND, 2" AC OVERLAY	▨
10.	PROPOSED CLASS II BASE SHOULDER BACKING	▨
11.	PROPOSED RUMBLE STRIPS	▨
12.	PROPOSED EXISTING ASPHALT CONCRETE REMOVAL	▨
13.	PROPOSED HEADER CUT	▨

VICINITY MAP



SHEET INDEX

SHEET NO.	DESCRIPTION
1.	TITLE SHEET
2.	PAVING PLAN 1
3.	PAVING PLAN 2
4.	SIGNING & STRIPING PLAN 1
5.	SIGNING & STRIPING PLAN 2
6.	DETAILS AND CROSS-SECTIONS

BENCHMARK

PROJECT BASIS OF BEARINGS:

N/A

PROJECT BENCHMARK:

N/A

ELEVATION:

N/A

ABBREVIATIONS

A.C.	ASPHALT CONCRETE	MH	MAN HOLE
APP.L.	APPROXIMATE LOCATION	N.T.S.	NOT TO SCALE
BCR	BEGINNING OF CURVE RADIUS	OHE	OVERHEAD ELECTRICAL LINE
BM	BENCH MARK	%	PERCENT
CL	CENTERLINE	P.P.	POWER POLE
CP	CONTROL POINT	P.C.R.	POINT OF CURB RETURN
DWY	DRIVEWAY	PRW	PRESRIPTIVE RIGHT-OF-WAY
Δ	DELTA	R	RADIUS
E.P.	EDGE OF PAVEMENT	R & R	REMOVE AND RELOCATE
EL	ELEVATION	RW	RIGHT-OF-WAY
ECR	END OF CURVE RADIUS	SD	STORM DRAIN
FL	FLOWLINE	TOP	TOP OF PIPE
FF	FINISH FLOOR	TC	TOP OF CURB
FS	FINISH SURFACE	T.P.	TOP OF PAVEMENT

CERTIFICATE

DECLARATION OF RESPONSIBLE OF CHARGE

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

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

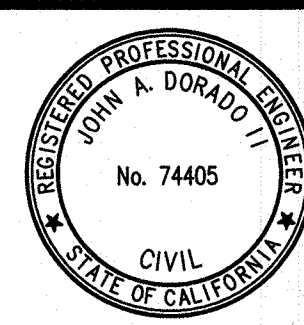
ADVANTEC CONSULTING ENGINEERS
1200 ROOSEVELT
IRVINE, CA
949-961-4999

JOHN A. DORADO
CA REGISTRATION No. 74405
EXPIRATION DATE 09/30/19

DATE



REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:

 JOHN A. DORADO, P.E.
 SENIOR PROJECT MANAGER
 DATE: 7/26/19



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 APPROVED FOR CONSTRUCTION BY:

 JOHN A. GAY, P.E.
 DIRECTOR OF PUBLIC WORKS
 DATE: 8/5/19

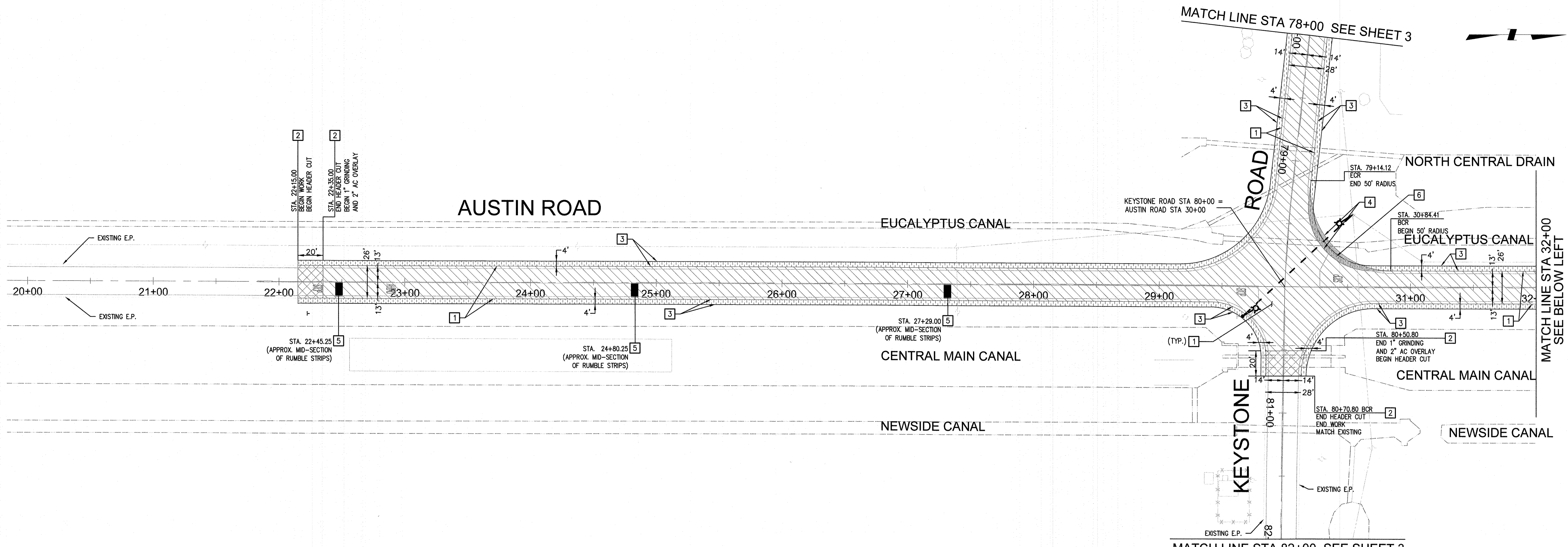


PUBLIC WORKS DEPARTMENT
 COUNTY OF IMPERIAL
 EL CENTRO, CALIFORNIA

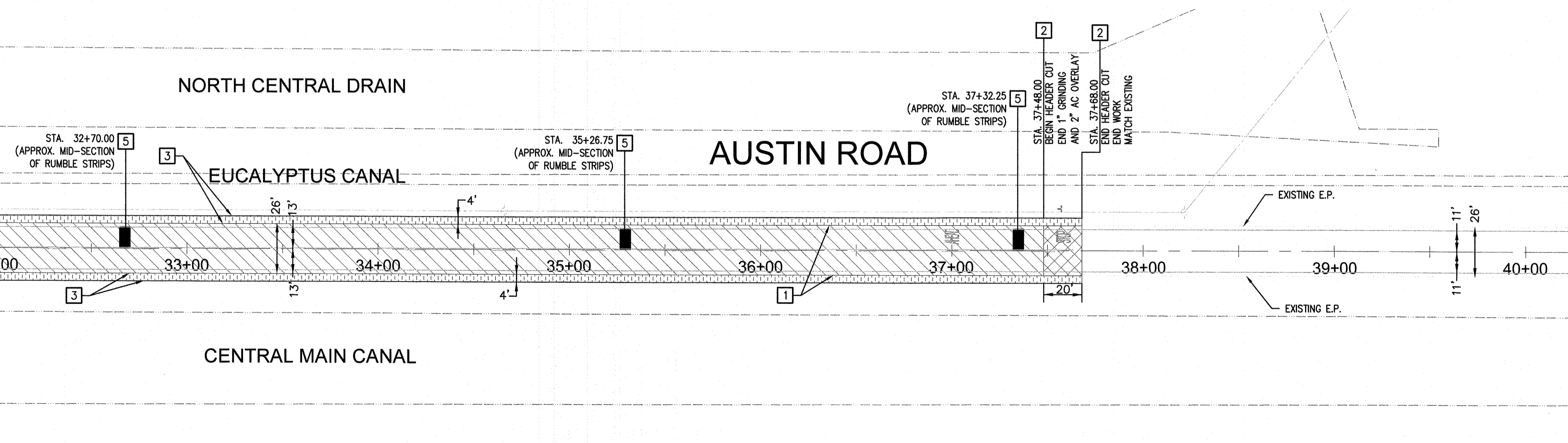
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INTERSECTION IMPROVEMENTS PROJECT
 KEYSTONE ROAD INTERSECTION IMPROVEMENTS
 AT AUSTIN ROAD IN IMPERIAL COUNTY
 FEDERAL PROJECT No. HRRR-5958(100)
 COUNTY PROJECT No. 6084

TITLE SHEET
 REFERENCE: R-980
 6084 SHEET 1 OF 6

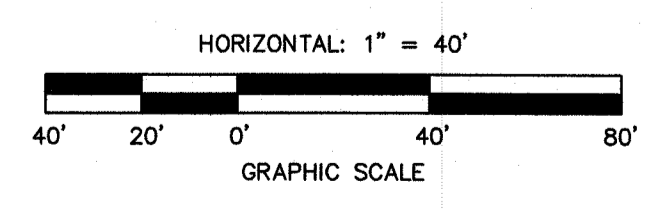


MATCH LINE STA 32+00 SEE ABOVE RIGHT

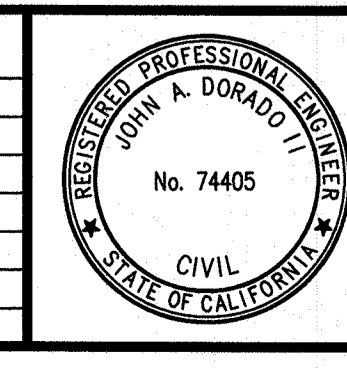


- CONSTRUCTION NOTES (THIS SHEET ONLY):**
- 1 CONTRACTOR TO GRIND 1" OF EXISTING ASPHALT CONCRETE AND OVERLAY WITH 2" OF ASPHALT CONCRETE OR AS DIRECTED BY THE ENGINEER.
 - 2 CONTRACTOR TO HEADER CUT EXISTING ASPHALT CONCRETE PER DETAIL 5 ON SHEET 6 OR AS DIRECTED BY THE ENGINEER.
 - 3 CONTRACTOR TO PLACE 4' WIDE CLASS II BASE SHOULDER BACKING PER DETAIL 1 ON SHEET 6 OR AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL GRADE NATIVE MATERIAL A MINIMUM OF 4' OR AS DIRECTED BY THE ENGINEER TO SMOOTH SURFACE PRIOR TO PLACEMENT.
 - 4 CONTRACTOR TO SAWCUT, REMOVE, AND DISPOSE OF EXISTING ASPHALT CONCRETE (APPROX. 441 S.F.) OR AS DIRECTED BY THE ENGINEER.
 - 5 CONTRACTOR TO INSTALL RUMBLE STRIPS PER DETAIL 3 ON SHEET 6 OR AS DIRECTED BY THE ENGINEER.
 - 6 CONTRACTOR SHALL SAWCUT EXISTING PAVEMENT TO 50' RADIAL CURVE.

- LEGEND:**
- POWER POLE
 - EXISTING OVERHEAD LINE
 - PROPOSED 1" GRIND, 2" AC OVERLAY
 - CLASS II BASE SHOULDER BACKING
 - HEADER CUT
 - SAWCUT AND REMOVE EXISTING PAVEMENT
 - PROPOSED RUMBLE STRIPS
 - PROPOSED STREET LIGHT
 - PROPOSED WOODEN POLE AND STREET LIGHT
 - PROPOSED OVERHEAD LINE



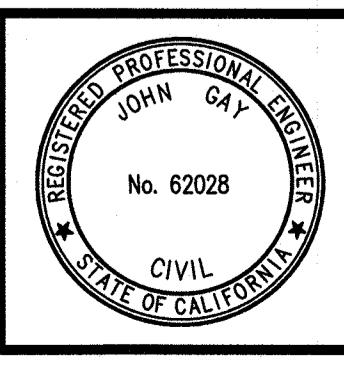
REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:

JOHN A. DORADO, P.E.
SENIOR PROJECT MANAGER

DATE: 7/26/19



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
APPROVED FOR CONSTRUCTION BY:

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

DATE: 8/5/19

PUBLIC WORKS DEPARTMENT
COUNTY OF IMPERIAL
EL CENTRO, CALIFORNIA

DATE: 07/26/19
DRAWN: RAS
SCALE: 1"=40'
CHECKED: JAD

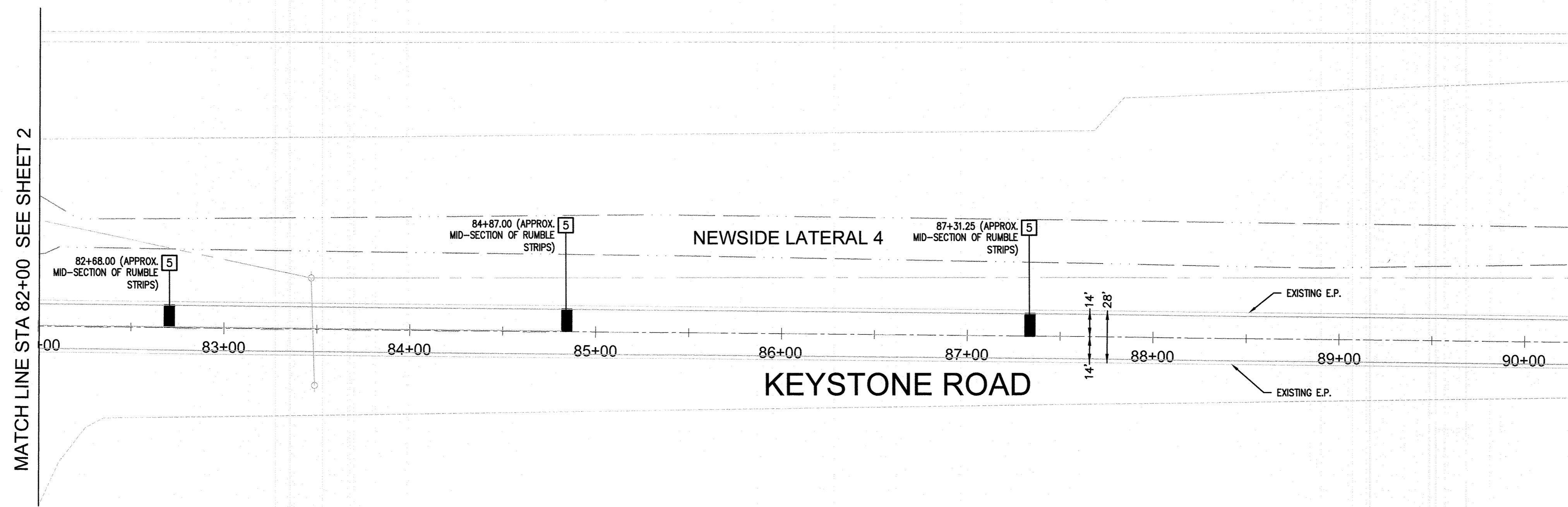
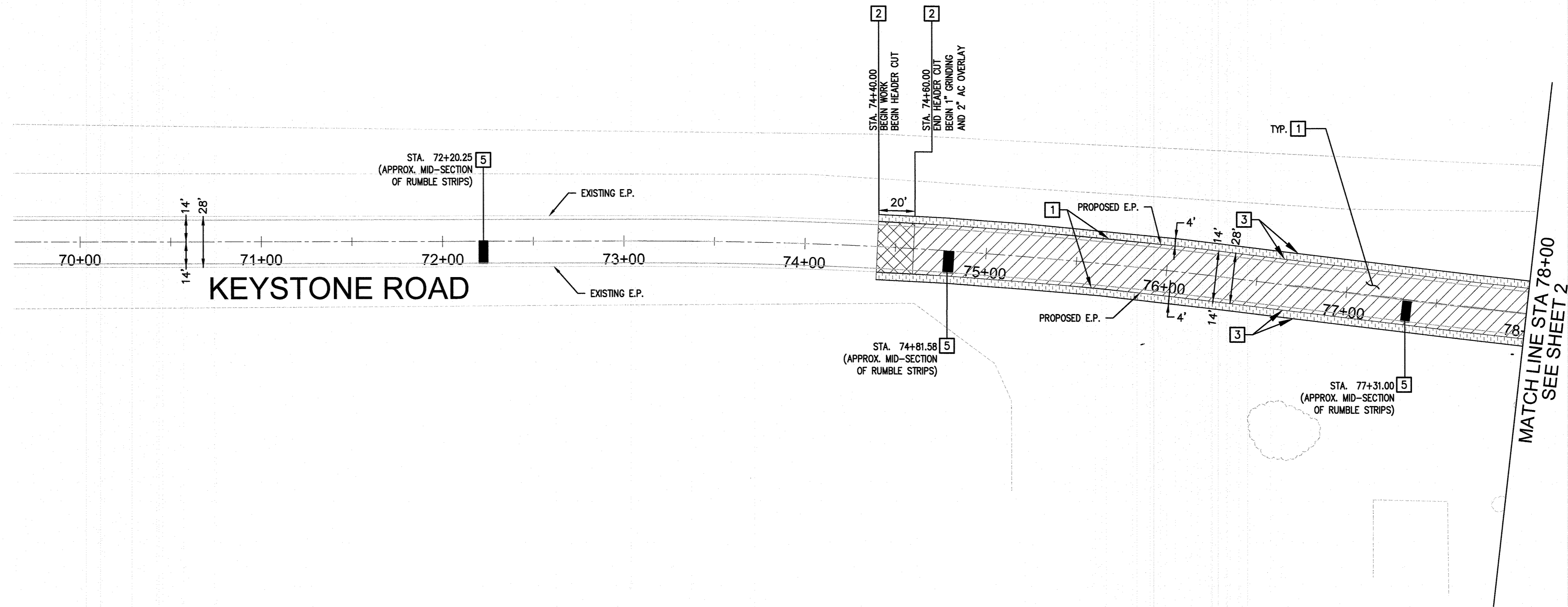
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PAVING PLAN 1 OF 2

REFERENCE: 6084

R-980

SHEET 2 OF 6

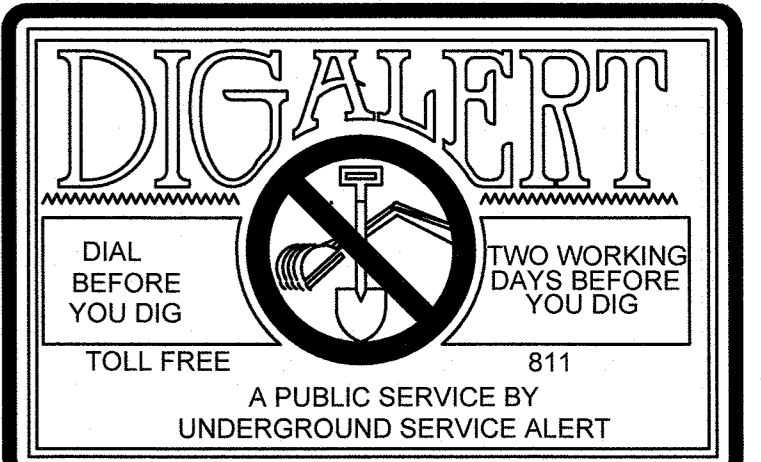
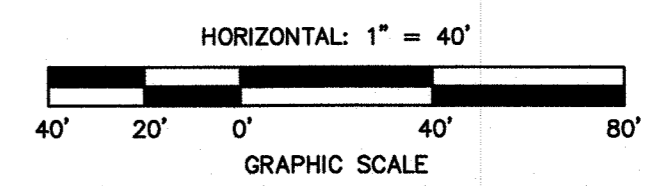


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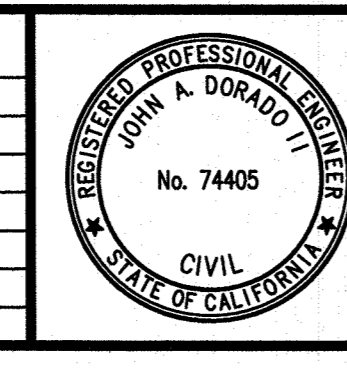
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- 2 CONTRACTOR TO HEADER CUT EXISTING ASPHALT CONCRETE PER DETAIL 5 ON SHEET 6 OR AS DIRECTED BY THE ENGINEER.
- 3 CONTRACTOR TO PLACE 4' WIDE CLASS II BASE SHOULDER BACKING PER DETAIL 1 ON SHEET 6 OR AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL GRADE NATIVE MATERIAL A MINIMUM OF 4' OR AS DIRECTED BY THE ENGINEER TO SMOOTH SURFACE PRIOR TO PLACEMENT.
- 5 CONTRACTOR TO INSTALL RUMBLE STRIPS PER DETAIL 3 ON SHEET 6 OR AS DIRECTED BY THE ENGINEER.

LEGEND:

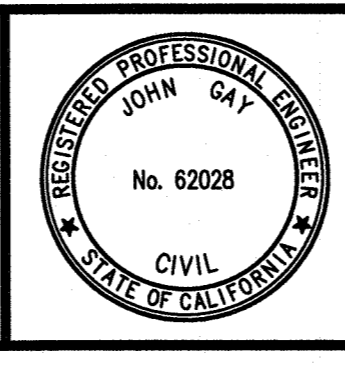
- POWER POLE
- EXISTING OVERHEAD LINE
- PROPOSED 1" GRIND, 2" AC OVERLAY
- CLASS II BASE SHOULDER BACKING
- HEADER CUT
- SAWCUT AND REMOVE EXISTING PAVEMENT
- PROPOSED RUMBLE STRIPS



REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:
 JOHN A. DORADO, P.E.
 SENIOR PROJECT MANAGER
 DATE: 09/30/19



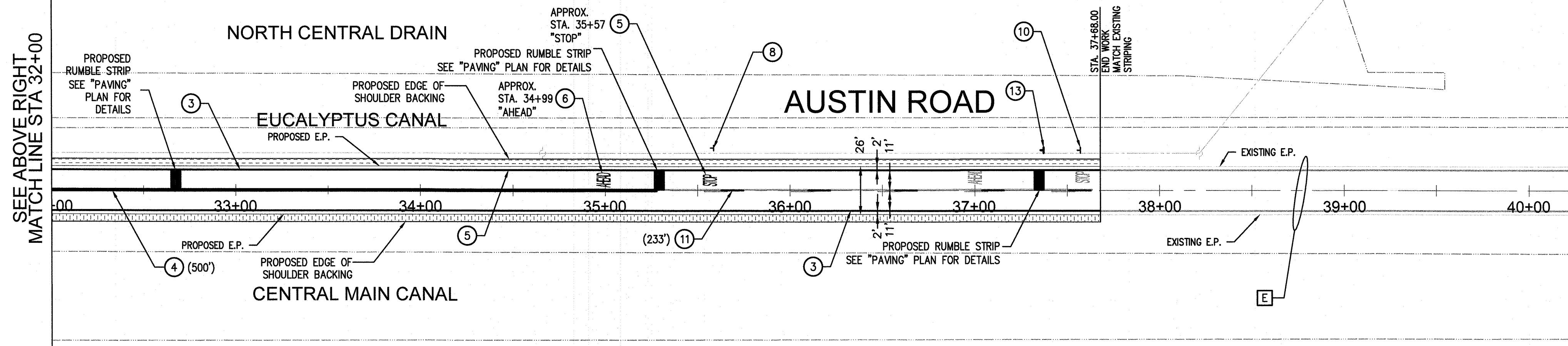
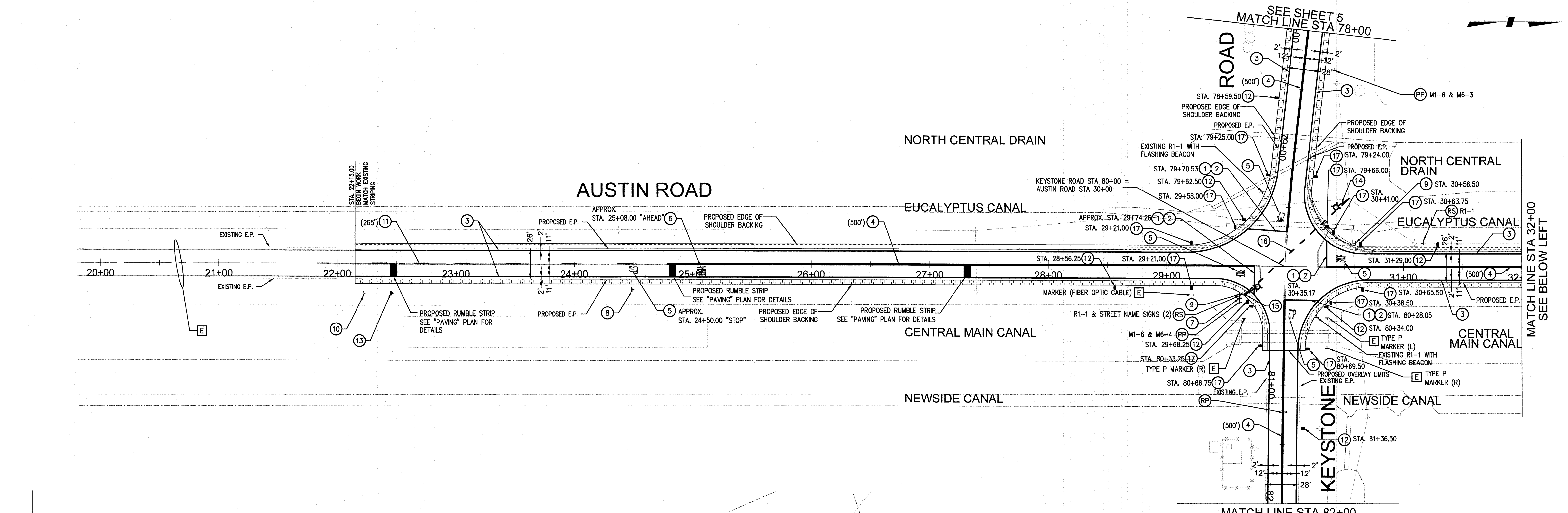
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 DIRECTOR OF PUBLIC WORKS
 DATE: 09/30/19

PUBLIC WORKS DEPARTMENT
 COUNTY OF IMPERIAL
 EL CENTRO, CALIFORNIA

DATE: 07/26/19
 DRAWN: RAS
 SCALE: 1"=40'
 CHECKED: JAD

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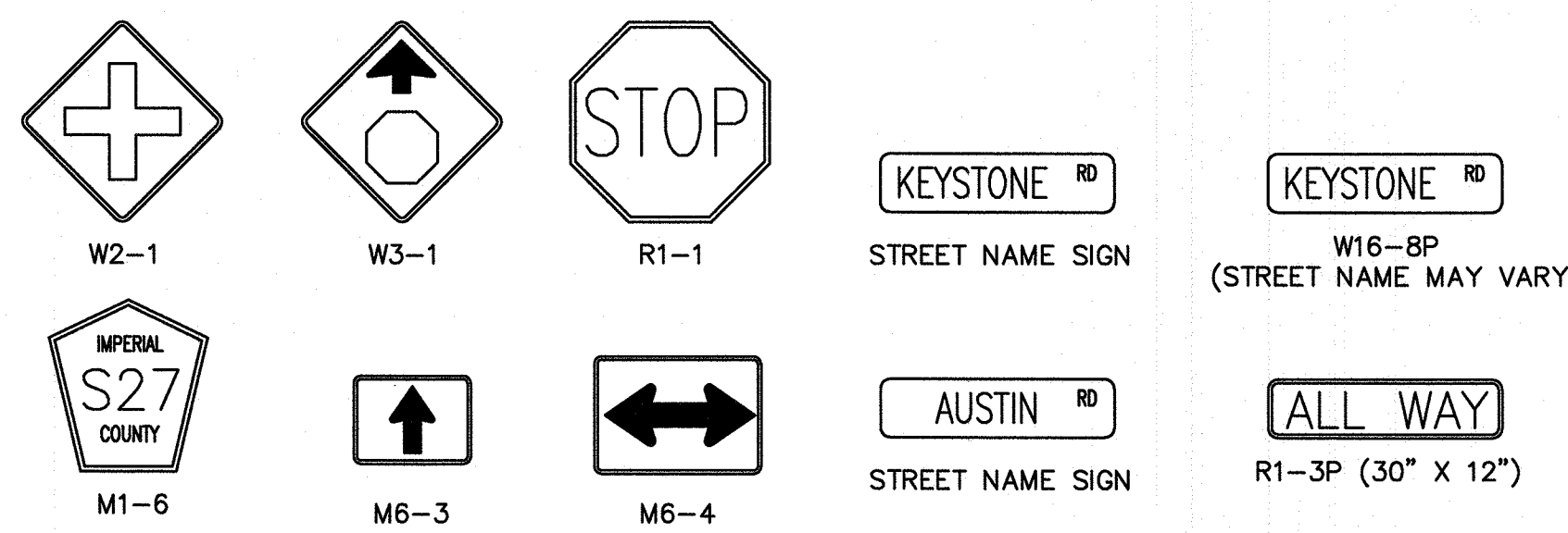
PAVING PLAN 2 OF 2
 REFERENCE: 6084
 SHEET 3 OF 6



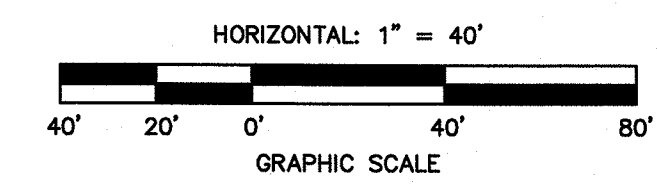
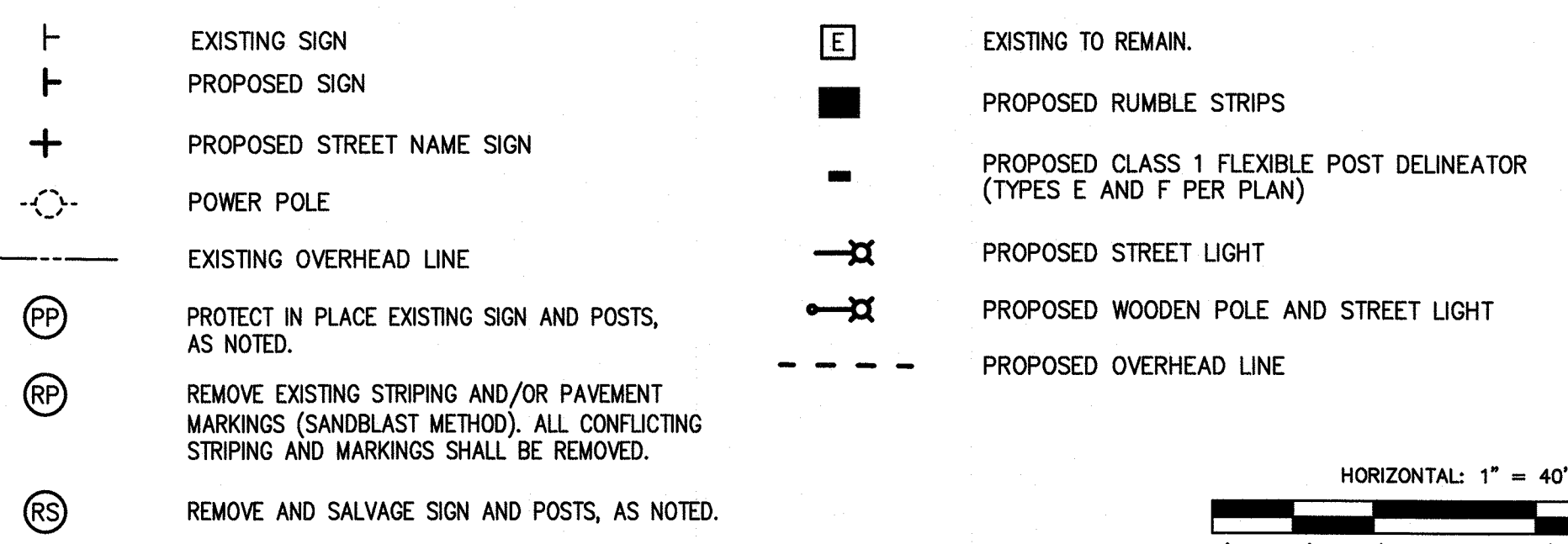
CONSTRUCTION NOTES (THIS SHEET ONLY):

- 1 CONTRACTOR TO INSTALL RAISED PAVEMENT MARKERS AT 2 FOOT SPACING PER DETAIL 2 ON SHEET 6 OR AS DIRECTED BY THE ENGINEER.
- 2 CONTRACTOR TO PAINT 12" WHITE RETROREFLECTIVE LIMIT LINE PER CA MUTCD FIGURE 3B-103 OR AS DIRECTED BY THE ENGINEER.
- 3 CONTRACTOR TO PAINT 4" WHITE RETROREFLECTIVE EDGE LINE PER CA MUTCD FIGURE 3A-106 (CA), DETAIL 27B OR AS DIRECTED BY THE ENGINEER.
- 4 CONTRACTOR TO PAINT 4" DOUBLE YELLOW RETROREFLECTIVE CENTERLINE PER CA MUTCD FIGURE 3A-104 (CA), DETAIL 21 OR AS DIRECTED BY THE ENGINEER.
- 5 CONTRACTOR TO PAINT WHITE RETROREFLECTIVE "STOP" MARKINGS PER CA MUTCD FIGURE 3B-23 (CA) PER DETAIL 2 (FOR LIMIT LINE) OR DETAIL 3 (FOR ADVANCE WARNING) ON SHEET 6 OR AS BY DIRECTED BY THE ENGINEER.
- 6 CONTRACTOR TO PAINT WHITE RETROREFLECTIVE "AHEAD" MARKING PER CA MUTCD FIGURE 3B-23 (CA) PER DETAIL 3 ON SHEET 6 OR AS BY DIRECTED BY THE ENGINEER.
- 7 CONTRACTOR TO FURNISH AND INSTALL TWO STREET NAME SIGNS (KEYSTONE RD AND AUSTIN RD, SEE SIGN LEGEND) ON SINGLE POST PER COUNTY OF IMPERIAL STD. DRAWING NO. 510B.
- 8 CONTRACTOR TO FURNISH AND INSTALL W3-1 SIGN AND POST WITH SOLAR FLASHING BEACON (AMBER) PER DETAIL 4 ON SHEET 6 OR AS DIRECTED BY THE ENGINEER.
- 9 CONTRACTOR TO FURNISH AND INSTALL R1-1 SIGN AND R1-3P SIGN AND POST WITH SOLAR FLASHING BEACON (RED) PER DETAIL 4 ON SHEET 6 OR AS DIRECTED BY THE ENGINEER.
- 10 CONTRACTOR TO REMOVE AND SALVAGE EXISTING STOP AHEAD (W3-1) SIGN, FLASHING BEACON, POST, AND APPURTENANCES. ALL MATERIALS TO BE RETURNED TO IMPERIAL COUNTY DEPARTMENT OF PUBLIC WORKS OR AS DIRECTED BY THE ENGINEER.
- 11 CONTRACTOR TO PAINT 4" DASH YELLOW RETROREFLECTIVE CENTERLINE PER CA MUTCD FIGURE 3A-101 (CA), DETAIL 5 OR AS BY DIRECTED BY THE ENGINEER.
- 12 FURNISH AND INSTALL CLASS 1 WHITE FLEXIBLE POST DELINEATOR (TYPE E WITH WHITE RETROREFLECTIVE SHEETING) PER CALTRANS STANDARD PLAN A73C, IMBEDDED IN SOIL AT APPROXIMATELY 6-FOOT OFFSET FROM EDGE OF PAVEMENT PER DETAIL 2 ON SHEET 6 OR AS DIRECTED BY THE ENGINEER.
- 13 CONTRACTOR TO FURNISH AND INSTALL W2-1 AND W16-8P (KEYSTONE RD) SIGNS AND POST OR AS DIRECTED BY THE ENGINEER.
- 14 IMPERIAL IRRIGATION DISTRICT TO INSTALL NEW 12' MAST ARM WITH 250-WATT, 25,000-LUMEN, HIGH VAPOR PRESSURE LUMINAIRE WITH PHOTOCELL.
- 15 IMPERIAL IRRIGATION DISTRICT TO INSTALL NEW 30' WOODEN POLE WITH NEW 12' MAST ARM WITH 250-WATT, 25,000-LUMEN, HIGH VAPOR PRESSURE LUMINAIRE WITH PHOTOCELL. POLE SHALL BE INSTALL 3 FEET NORTH OF THE PROPOSED STOP SIGN.
- 16 IMPERIAL IRRIGATION DISTRICT TO INSTALL NEW OVERHEAD POWER LINE.
- 17 FURNISH AND INSTALL CLASS 1 WHITE FLEXIBLE POST DELINEATOR (TYPE F WITH RETROREFLECTIVE SHEETING - RETROREFLECTIVE SIDE FACING LANE TRAFFIC) PER CALTRANS STANDARDS PLAN A73C, IMBEDDED IN SOIL AT APPROXIMATELY 6-FOOT OFFSET FROM EDGE OF PAVEMENT PER DETAIL 2 ON SHEET 6 OR AS DIRECTED BY THE ENGINEER.

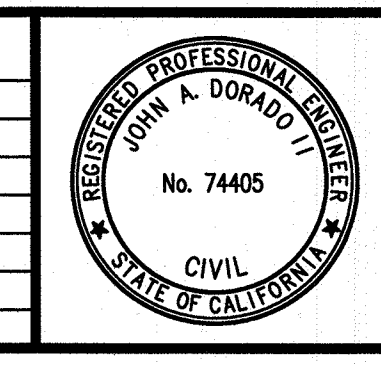
SIGN LEGEND:



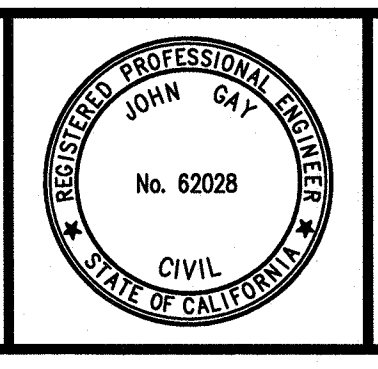
LEGEND:



REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:
 JOHN A. DORADO, P.E.
 SENIOR PROJECT MANAGER
 DATE: 7/26/19



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 APPROVED FOR CONSTRUCTION BY:
 JOHN GAY, P.E.
 DIRECTOR OF PUBLIC WORKS
 DATE: 8/5/19

PUBLIC WORKS DEPARTMENT
 COUNTY OF IMPERIAL
 EL CENTRO, CALIFORNIA

DATE: 07/26/19
 DRAWN: RAS
 SCALE: 1"=40'
 CHECKED: JAD

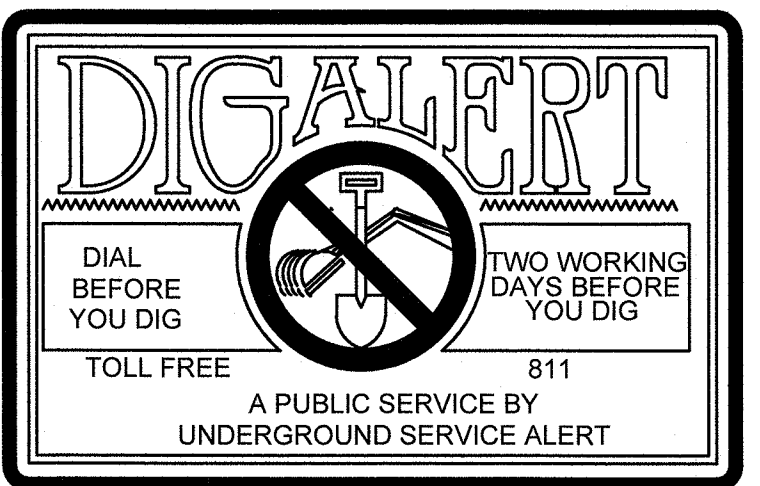
PROJECT TITLE
 KEYSTONE ROAD INTERSECTION IMPROVEMENTS
 AT AUSTIN ROAD IN IMPERIAL COUNTY
 FEDERAL PROJECT No. HRRR-5958(100)
 COUNTY PROJECT No. 6084

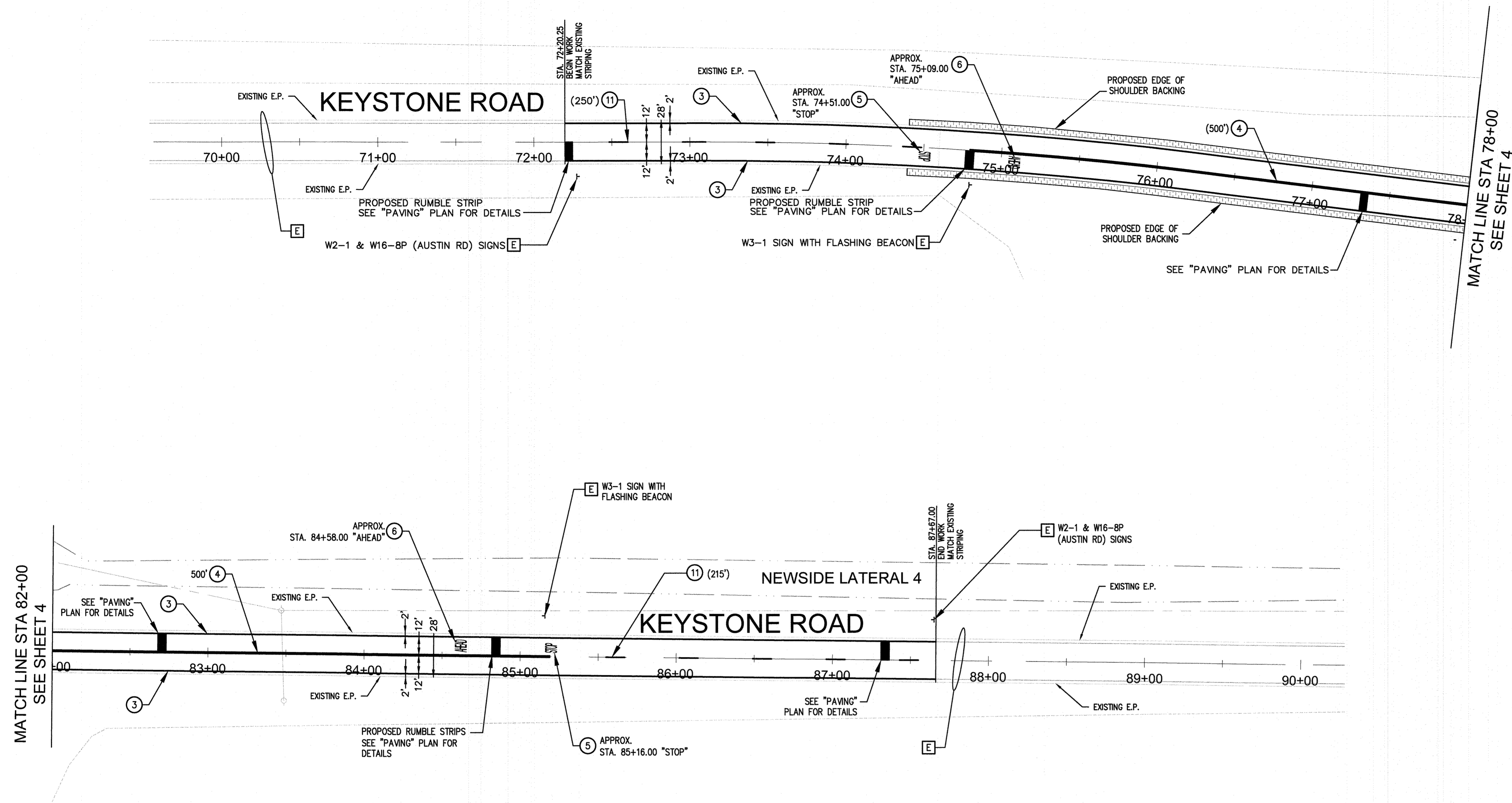
**SIGNING & STRIPING
 PLAN 1 OF 2**

REFERENCE: 6084

R-980

SHEET 4 OF 6

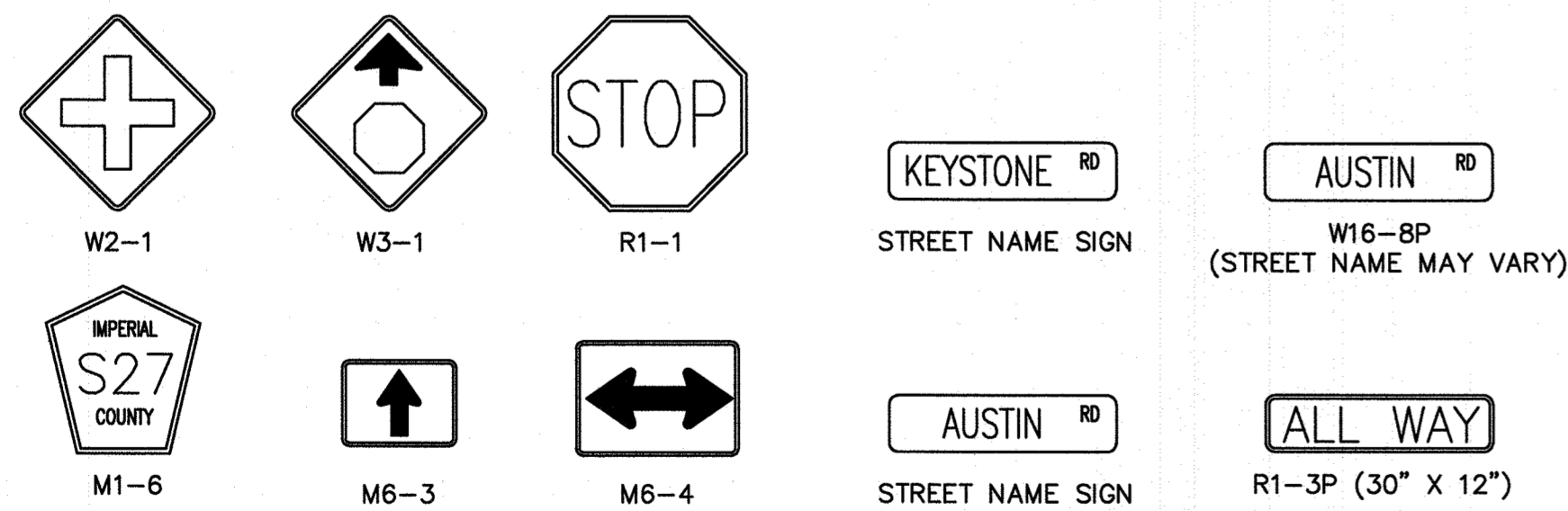




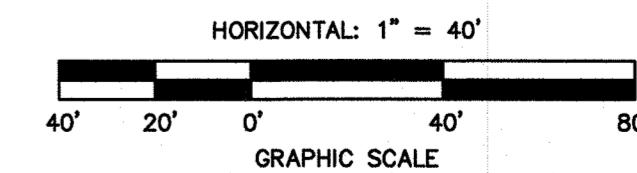
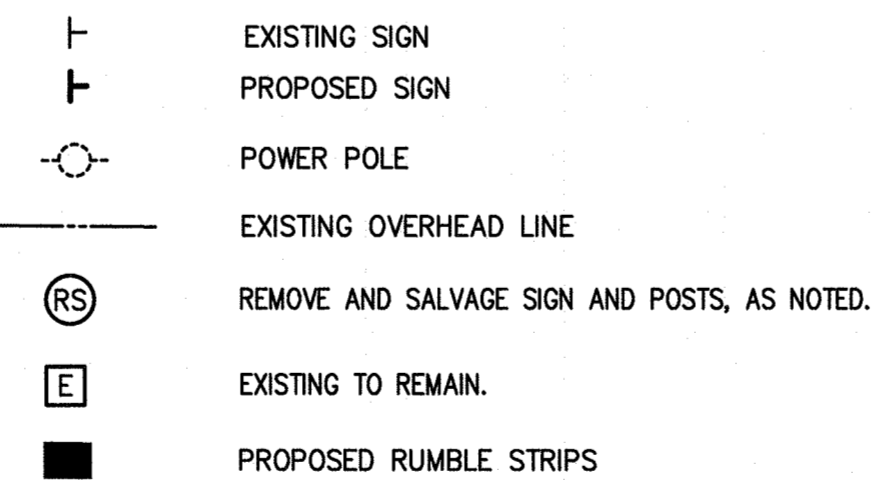
CONSTRUCTION NOTES (THIS SHEET ONLY):

- ③ CONTRACTOR TO PAINT 4" WHITE RETROREFLECTIVE EDGE LINE PER CA MUTCD FIGURE 3A-106 (CA), DETAIL 27B OR AS DIRECTED BY THE ENGINEER.
- ④ CONTRACTOR TO PAINT 4" DOUBLE YELLOW RETROREFLECTIVE CENTERLINE PER CA MUTCD FIGURE 3A-104 (CA), DETAIL 21 OR AS DIRECTED BY THE ENGINEER.
- ⑤ CONTRACTOR TO PAINT WHITE RETROREFLECTIVE "STOP" MARKINGS PER CA MUTCD FIGURE 3B-23 (CA) PER DETAIL 2 (FOR LIMIT LINE) OR DETAIL 3 (FOR ADVANCE WARNING) ON SHEET 6 OR AS BY DIRECTED BY THE ENGINEER.
- ⑥ CONTRACTOR TO PAINT WHITE RETROREFLECTIVE "AHEAD" MARKING PER CA MUTCD FIGURE 3B-23 (CA) PER DETAIL 3 ON SHEET 6 OR AS BY DIRECTED BY THE ENGINEER.
- ⑪ CONTRACTOR TO PAINT 4" DASH YELLOW RETROREFLECTIVE CENTERLINE PER CA MUTCD FIGURE 3A-101 (CA), DETAIL 5 OR AS BY DIRECTED BY THE ENGINEER.

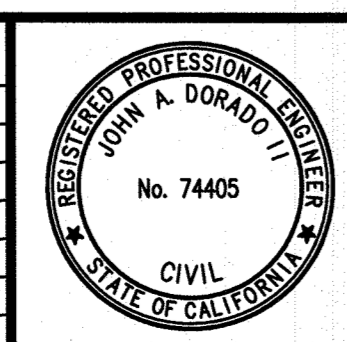
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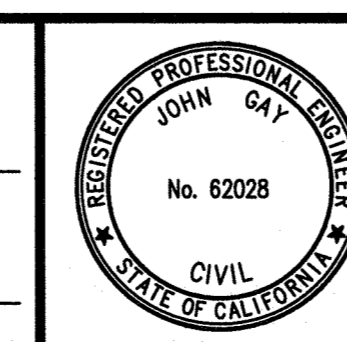
LEGEND:



REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:
 JOHN A. DORADO, P.E.
 SENIOR PROJECT MANAGER
 DATE: 7/24/19



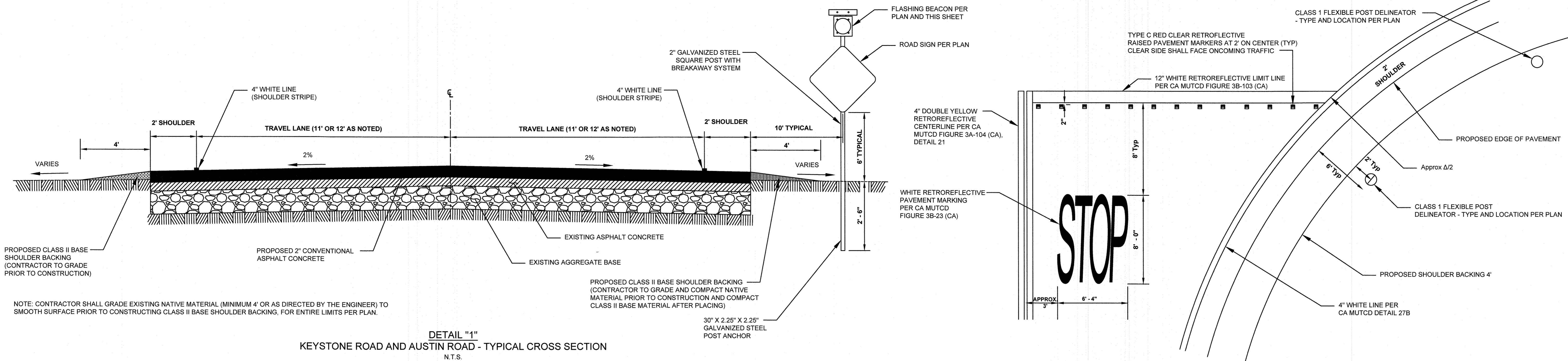
COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 APPROVED FOR CONSTRUCTION BY:
 JOHN A. GAY, P.E.
 DIRECTOR OF PUBLIC WORKS
 DATE: 8/5/19

62028 R.C.E. No.
 09/30/19 REG. EXP.
 PUBLIC WORKS DEPARTMENT
COUNTY OF IMPERIAL
 EL CENTRO, CALIFORNIA

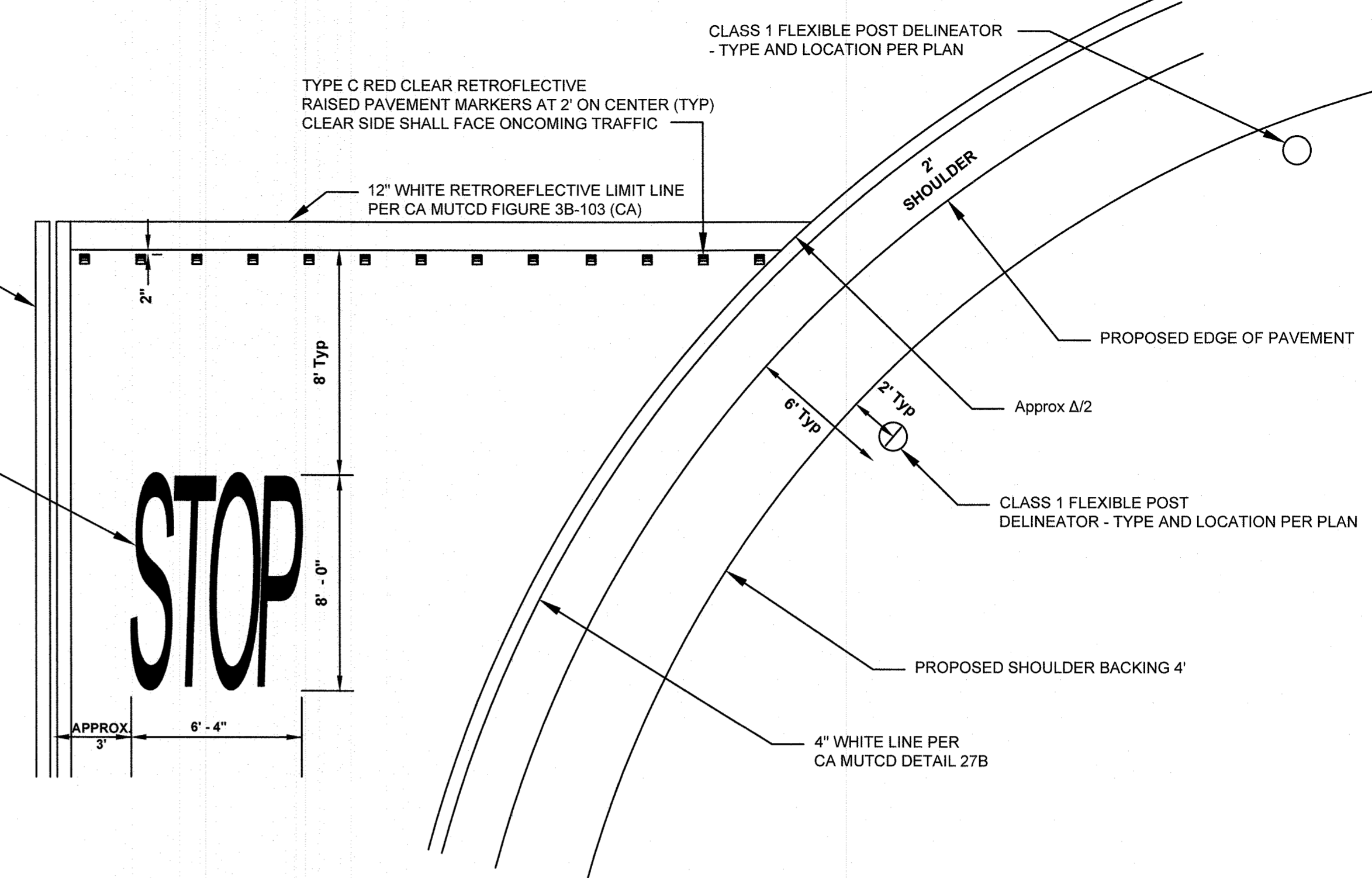
DATE: 07/26/19
 DRAWN: RAS
 SCALE: 1"=40'
 CHECKED: JAD

PROJECT TITLE
KEYSTONE ROAD INTERSECTION IMPROVEMENTS
 AT AUSTIN ROAD IN IMPERIAL COUNTY
 FEDERAL PROJECT No. HRRR-5958(100)
 COUNTY PROJECT No. 6084

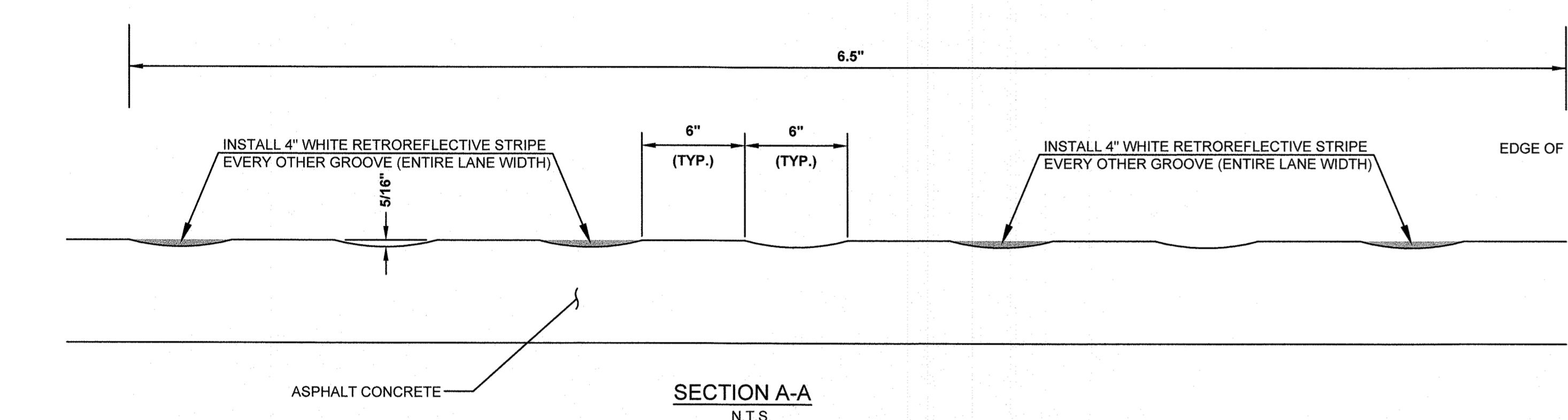
SIGNING & STRIPING
PLAN 2 OF 2
 REFERENCE: **6084**
 SHEET 5 OF 6



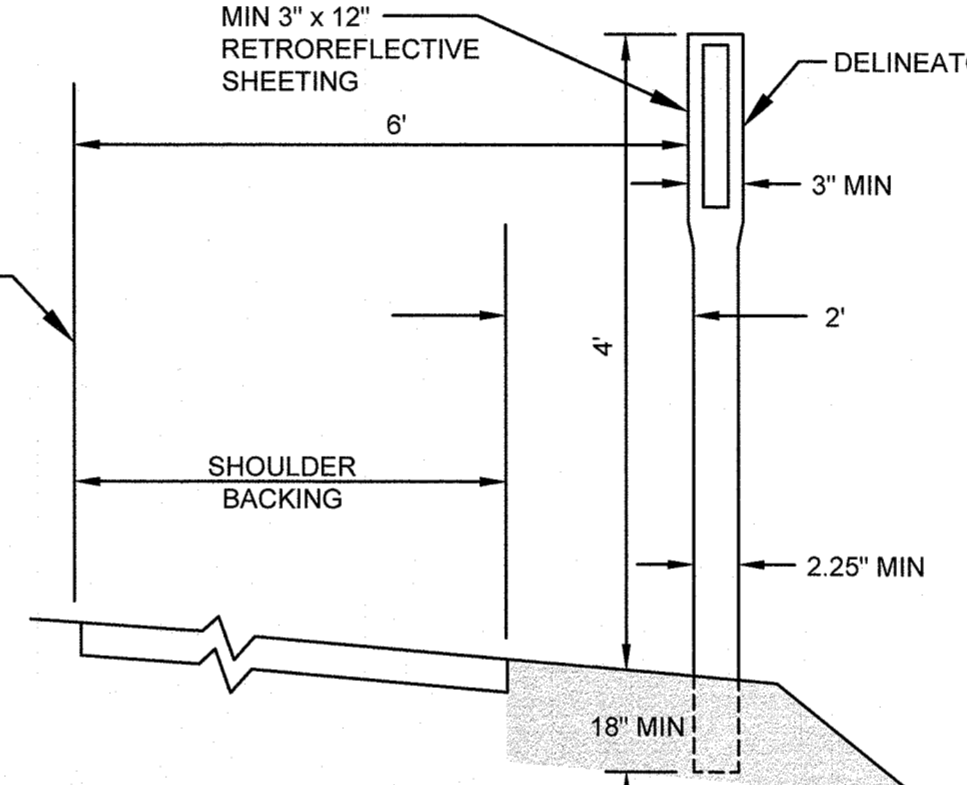
DETAIL "1"
KEYSTONE ROAD AND AUSTIN ROAD - TYPICAL CROSS SECTION
N.T.S.



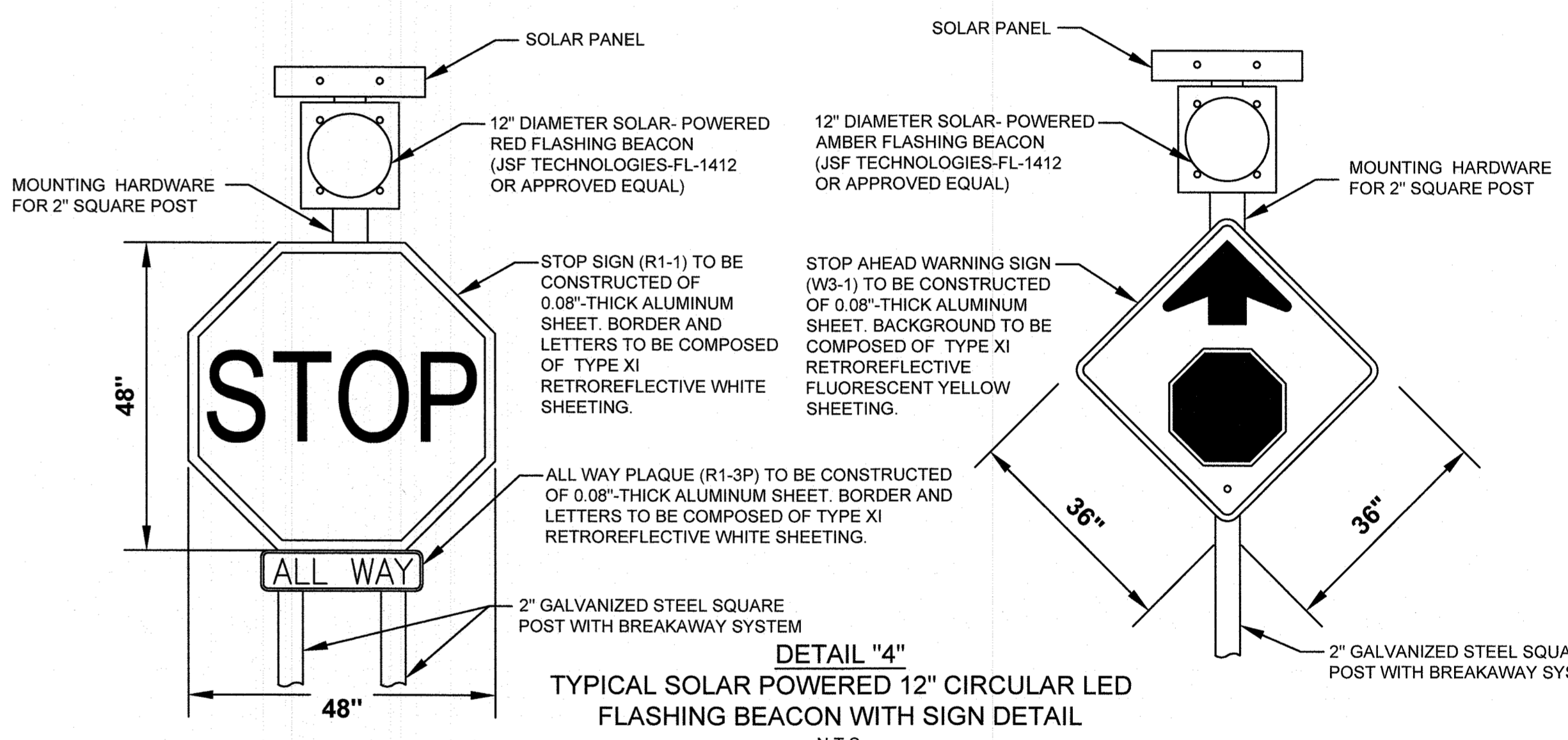
DETAIL "2"
STOP PAVEMENT MARKING AND LIMIT LINE DETAIL
N.T.S.



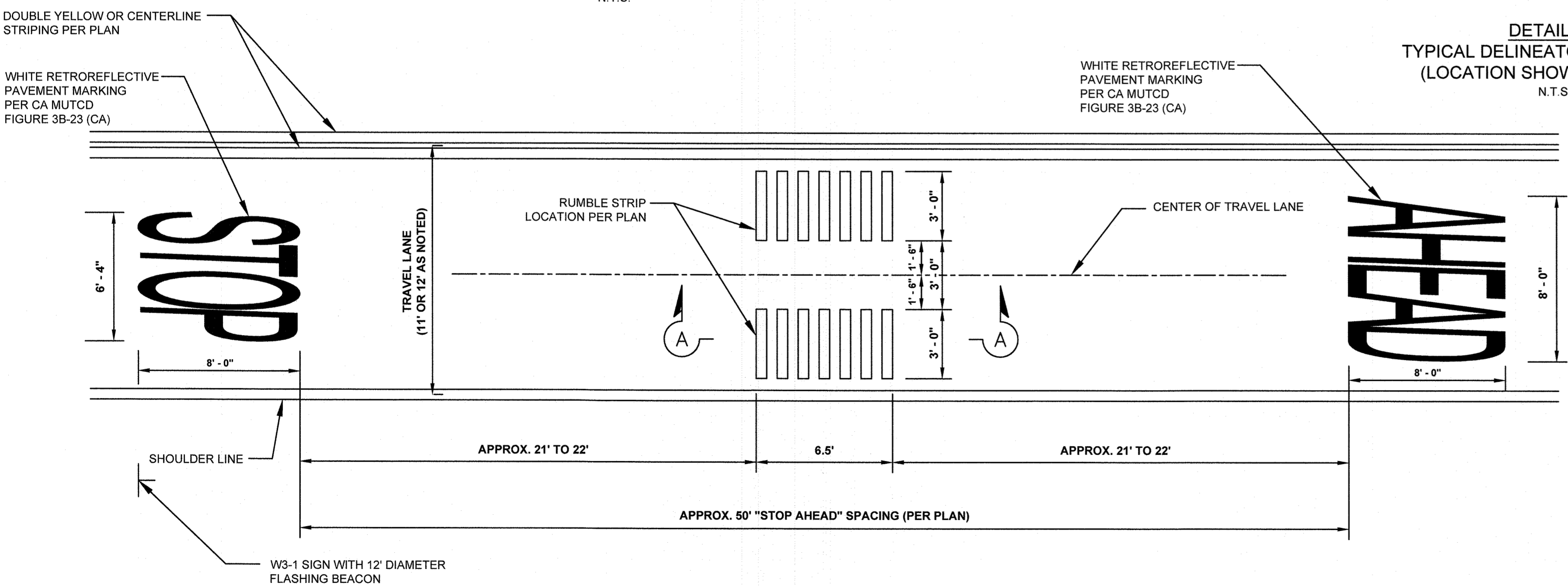
SECTION A-A
N.T.S.



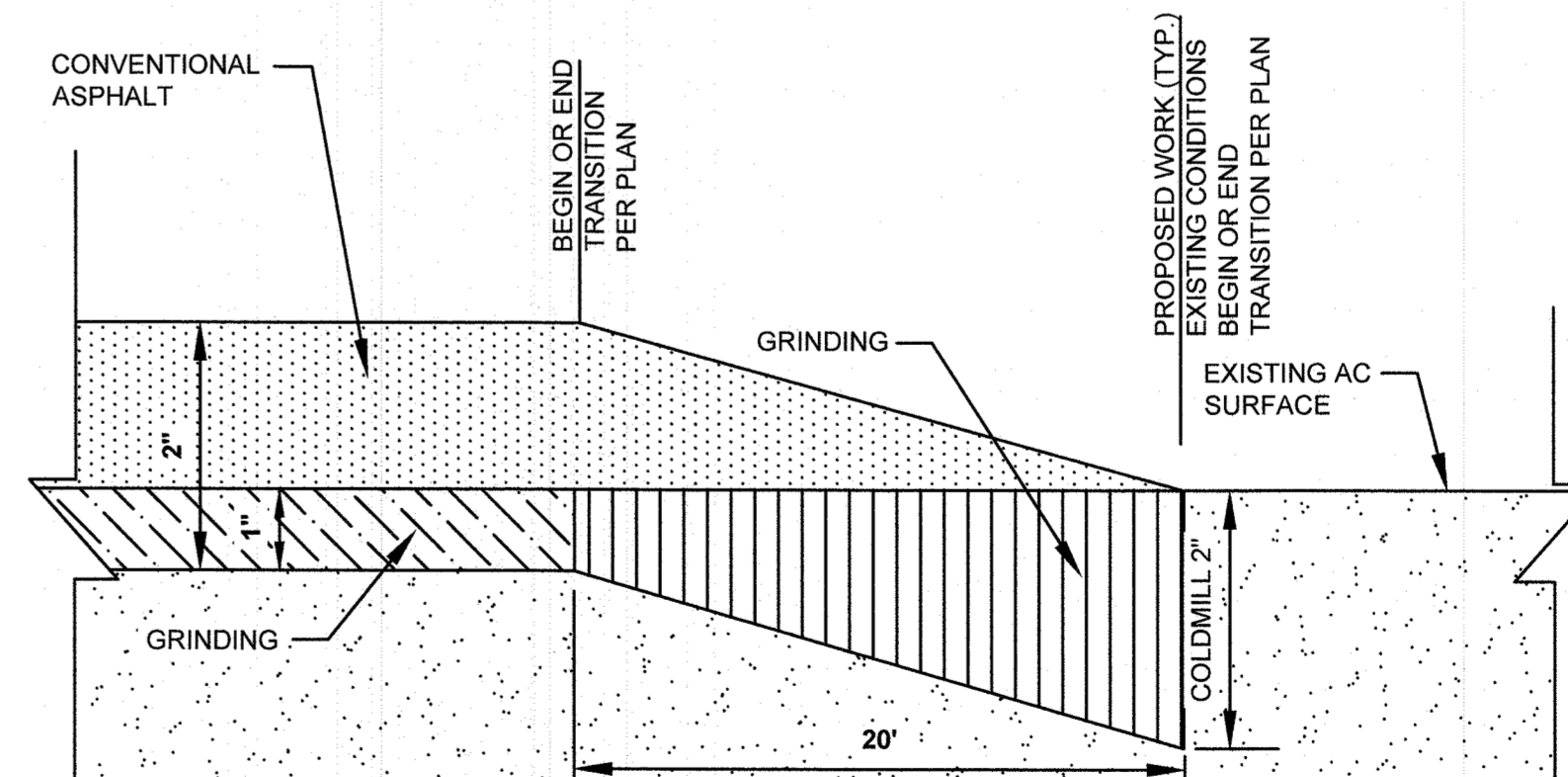
DETAIL "6"
TYPICAL DELINEATOR PLACEMENT
(LOCATION SHOWN PER PLAN)
N.T.S.



DETAIL "4"
TYPICAL SOLAR POWERED 12" CIRCULAR LED
FLASHING BEACON WITH SIGN DETAIL
N.T.S.



DETAIL "3"
TYPICAL PAVEMENT MARKING AND RUMBLE STRIPS DETAIL
(LOCATION SHOWN PER PLAN)
N.T.S.

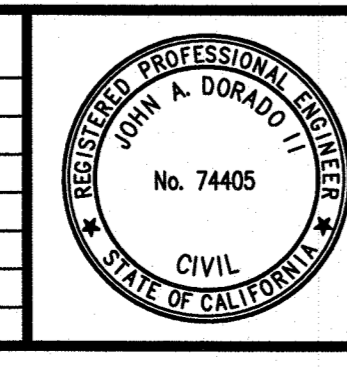


DETAIL "5"
HEADER CUT DETAIL - BEGINNING AND END OF 1" GRIND - 2" AC OVERLAY
N.T.S.

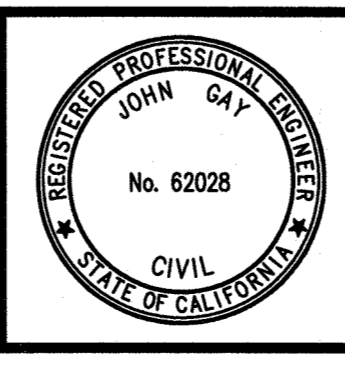
- NOTES:
- RUMBLE STRIPS SHALL EXTEND FROM STRIPING EDGE TO EDGE WITHIN TRAVEL LANE.
 - WHITE PAVEMENT MARKINGS SHALL BE CENTERED ALONG TRAVEL LANE.



REVISION	DATE	COMMENTS



PREPARED UNDER THE DIRECT SUPERVISION OF:
 JOHN A. DORADO, P.E.
 SENIOR PROJECT MANAGER
 DATE: 7/26/19
 REG. EXP. 09/30/19



COUNTY OF IMPERIAL PUBLIC WORKS DEPARTMENT
 APPROVED FOR CONSTRUCTION BY:
 JOHN A. GAY, P.E.
 DIRECTOR OF PUBLIC WORKS
 DATE: 8/5/19
 REG. EXP. 09/30/19

PUBLIC WORKS DEPARTMENT
 COUNTY OF IMPERIAL
 EL CENTRO, CALIFORNIA

DATE: 07/26/19
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PROJECT TITLE
 KEYSTONE ROAD INTERSECTION IMPROVEMENTS
 AT AUSTIN ROAD IN IMPERIAL COUNTY
 FEDERAL PROJECT No. HRRR-5958(100)
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DETAILS & CROSS SECTIONS	
REFERENCE	R-980
6084	SHEET 6 OF 6