

DATE SUBMITTED 03/13/2024
 SUBMITTED BY COMMUNITY DEVELOPMENT DIRECTOR
 DATE ACTION REQUIRED 03/20/2024

COUNCIL ACTION (x)
 PUBLIC HEARING REQUIRED ()
 RESOLUTION ()
 ORDINANCE 1ST READING ()
 ORDINANCE 2ND READING ()
 CITY CLERK'S INITIALS ()

**IMPERIAL CITY COUNCIL
 AGENDA ITEM**

SUBJECT: DISCUSSION/ACTION:

ATEN BLVD REHABILITATION PROJECT BETWEEN VILORE WAY AND OLD SR-86
 CALTRANS PROJECT NO. STPL-5134(027)

1. AUTHORIZATION TO SEEK BIDS FOR THE CONSTRUCTION OF ATEN BLVD REHABILITATION PROJECT BETWEEN VILORE WAY AND OLD SR-86.

DEPARTMENT INVOLVED: COMMUNITY DEVELOPMENT

BACKGROUND/SUMMARY:

City staff has secured an allocation to receive federal funding up to \$1,137,000.00 through the Surface Transportation Block Grant (STBG) program for the above-referenced project. The City will be matching the funding in amount of \$334,840.00 through LTA Measure D.

The scope of work includes, but is not limited to, the removal and disposal of portions of existing A.C. pavement and native material on designated areas, grinding of existing A.C. pavement on designated areas, overlay on designated areas (AC leveling course, Asphalt Rubber Aggregate Membrane (ARAM) and Gap-Graded Asphalt Rubber Hot Mix), double-adjusting existing sewer manholes, water valves, gas valves, and electrical boxes, installation of thermoplastic striping and high-visibility thermoplastic Class II Bike lanes, as well as the necessary traffic control around the construction zones. See Exhibit 1 attached herewith for details.

The Community Development Department is requesting authorization to seek bids for the construction of said rehabilitation project.

FISCAL IMPACT:
 \$1,137,000.00 from STBG.
 \$334,840.00 from LTA Measure D.

ADMIN SERVICES SIGN INITIALS JMS

STAFF RECOMMENDATION:
 Authorize Community Development Department to seek bids through a competitive bidding process for the construction of Aten Blvd Rehabilitation Project Between Vilore Way and Old SR-86, Caltrans Project No. STPL-5134(027).

DEPT. INITIALS DM

MANAGER'S RECOMMENDATION:
approve seeking bids

CITY MANAGER'S INITIALS DHM

MOTION:

SECONDED: APPROVED () REJECTED ()
 AYES: DISAPPROVED () DEFERRED ()
 NAYES:
 ABSENT: REFERRED TO:

EXHIBIT 1

ATEN BOULEVARD REHABILITATION BETWEEN VILORE WAY AND OLD SR 86 FEDERAL-AID PROJECT: STBGL 5134(027)

GENERAL NOTES:

1. CITY ENCROACHMENT PERMIT CONDITIONS AND PROVISIONS SHALL TAKE PRECEDENCE OVER THE APPROVED PLANS AND SPECIFICATIONS FOR ANY CONFLICTS.
2. THE STRUCTURAL SECTION SHALL BE IN ACCORDANCE WITH IMPERIAL CITY STANDARDS (OR COUNTY OF IMPERIAL, IF ANY COUNTY OF IMPERIAL, BOAS AS APPROVED BY THE PUBLIC SERVICES DIRECTOR).
3. APPROVAL OF THESE IMPROVEMENT PLANS AS SHOWN DOES NOT CONSTITUTE APPROVAL OF ANY CONSTRUCTION OUTSIDE PROJECT BOUNDARY.
4. 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.
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 ELEVATION OF IMPROVEMENT TO BE MET BY WORK TO BE DONE SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO ALLOW REVISIONS TO PLANS IF REVISION AREA NECESSARY BECAUSE OF ACTUAL LOCATIONS OF EXISTING FACILITIES.
7. UTILITIES COORDINATION
NO LESS THAN 7 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.
 - A. CITY OF IMPERIAL (760 355-1152)
 - B. IMPERIAL IRRIGATION DISTRICT (POWER) (760 463-3450)
 - C. IMPERIAL IRRIGATION DISTRICT (WATER) (760 228-6507)
 - D. SOUTHERN CALIFORNIA GAS CO. (760 376-5812)
 - E. SPECTRUM (760 335-4616)

WRITTEN APPROVAL OF BOTH A CITY ENGINEER OR HIS REPRESENTATIVE AND THE ENGINEER OF RECORD A REPRODUCIBLE AS-BUILT PLAN SET WILL BE PROVIDED TO THE BID AND PUBLIC WORKS DEPARTMENT AS A CONDITION OF SUBSTANTIAL CONSTRUCTION COMPLETION AND PRIOR TO ACCEPTANCE.

17. ALL WORK AND MATERIAL SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS. THE CITY OF IMPERIAL, DEPARTMENT OF COMMUNITY DEVELOPMENT, STANDARDS AND BID ENCROACHMENT PERMIT CONDITIONS (BO STANDARD) WITHIN 100' RIGHT-OF-WAY. ALL WORK SHOWN OR INDICATED BY THESE PLANS SHALL BE COMPLETED IN ACCORDANCE WITH THE STANDARDS, POLICIES AND REGULATIONS OF THE CITY OF IMPERIAL, WHERE, OR IF CONFLICTS OCCUR, THEN THE MOST STRINGENT SHALL GOVERN.
18. UNLESS SPECIFICALLY INDICATED OTHERWISE, METHODS EMPLOYED AND MATERIAL USED IN THE CONSTRUCTION OF ALL OFFSITE IMPROVEMENT SHALL CONFORM TO THE APPLICABLE PROVISIONS OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, CURRENT EDITION. ALL WORK IS SUBJECT TO INSPECTION AND APPROVAL AS REQUIRED.
19. THE CONTRACTOR SHALL OBTAIN A GENERAL CONSTRUCTION ACTIVITY STORM WATER PUMP OR PROCESS A CONSTRUCTION STORM WATER WASTER FROM THE STATE WATER RESOURCES CONTROL BOARD DIVISION OF WATER QUALITY IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO IMPLEMENT THE APPROVED STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND EROSION CONTROL PLANS AND PROVIDE MONITORING AND INSPECTION SERVICES BY A QUALIFIED SWPPP PRACTITIONER.
20. AS DETERMINED BY THE COUNTY OF IMPERIAL, PUBLIC WORKS DIRECTOR/ROAD COMMISSIONER, THE CONTRACTOR IS RESPONSIBLE FOR A MAINTAIN FOR ROAD IMPROVEMENT TO CENTERLINE. AND MAY BE REQUIRED TO RECONSTRUCT EXISTING PAVEMENT, INCLUDING BASE AND PATCHING OVERLAY REQUIRED TO MEET THE STRUCTURAL STANDARDS FOR THE CURRENT ASSIGNED TRAFFIC INDEX.
21. EXISTING STORM DRAIN INFRASTRUCTURE WHETHER TO BE COMPLETED TO EXTENDED, ADJUSTED, DRAINED TO OR JUST IN PROJECT VICINITY SHALL BE REPAIRED AND/OR CLEANED TO MAKE THE FUNCTIONAL AND ACCEPTABLE AS DIRECTED BY THE PUBLIC SERVICES DIRECTOR.
22. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD), LATEST EDITION OR AS DIRECTED BY THE CITY/ COUNTY OF IMPERIAL.
23. ANY EXISTING SURVEY MONUMENTS OR COUNTY RECOGNIZED BENCHMARKS 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 AND FIELD SURVEY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING AND MAINTAINING THEM AS PER THE SUBSTRATE MAP, ACT, THE PROFESSIONAL LAND SURVEYOR ACT AND TO THE SATISFACTION OF THE COUNTY SURVEYOR/OFFICE OF PUBLIC WORKS. SUCH POINTS SHALL BE REINFORCED 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.
24. 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 THESE PERMITTING REQUIREMENTS IF APPLICABLE.
25. THE NOTES LISTED ABOVE ARE MINIMUM LIST. THIS DOES NOT RELIEVE THE ENGINEER FROM COMPLETING ADDITIONAL NOTES THAT MAY BE REQUIRED FOR THE PROJECT.
26. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND SUBCONTRACTORS TO EXAMINE THE PROJECT SITE PRIOR TO THE OPENING OF PROPOSALS. THE CONTRACTOR SHALL BECOME FAMILIAR AS TO THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. IF IT IS EXPECTED THAT QUESTIONS RELATIVE TO THE WORK TO BE PERFORMED AT THE PROJECT WILL BE PRESENTED TO THE ENGINEER PRIOR TO THE BID OPENING, IF CONFLICTS OR AMBIGUITIES EXIST BETWEEN JOB SET CONDITIONS AND THE PLANS AND SPECIFICATION NO ALLOWANCE WILL BE PROVIDED TO THE CONTRACTOR AND SUBCONTRACTORS FOR NEGLECTING TO PROPERLY EXAMINE THE PROJECT SITE DURING THE BIDDING PERIOD.
27. THE CONTRACTOR SHALL LOCATE MEN'S AND WOMEN'S PORTABLE RESTROOM FACILITIES AT THE PROJECT SITE DURING THE CONSTRUCTION PERIOD. THE PORTABLE RESTROOMS SHALL BE CLEANED ON A WEEKLY BASIS.
28. THE CONTRACTOR SHALL PROVIDE FOR ACCESS AND EGRESS FOR PRIVATE PROPERTY ADJACENT TO THE WORK THROUGHOUT THE PERIOD OF CONSTRUCTION.
29. THE CONTRACTOR IS REQUIRED TO SUBMIT A TRAFFIC CONTROL PLAN TO THE CITY OF IMPERIAL FOR REVIEW AND APPROVAL PRIOR TO COMPLETING DEMOLITION OR EXCAVATION WORK IN STREET OR ALLY AREAS WITHIN THE CITY OF IMPERIAL. THE CONTRACTOR SHALL ADVISE ALL BUSINESS, RESIDENTIAL INSTITUTIONS AND GOVERNMENTAL AGENCIES NEAR THE VICINITY OF THE PROJECT OF IMPENDING CONSTRUCTION ACTIVITIES AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORK. THE TRAFFIC CONTROL PLAN SHALL BE PREPARED IN CONFORMANCE WITH THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION "MANUAL ON UNIFORM TRAFFIC CONTROL" FOR CONSTRUCTION AND MAINTENANCE WORK ZONES, LATEST EDITION.
30. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL NECESSARY TRAFFIC CONTROL TO PROTECT AND GUIDE TRAFFIC THROUGH THE CONSTRUCTION AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXPOSURE RELATIVE TO THE TRAFFIC CONTROL. ALL TRAFFIC CONTROL SHALL BE CLEARLY POSTED WITH SIGNS PRIOR TO THE BEGINNING OF WORK. SIGNS MUST BE CLEARLY LISTED HERE IN ANE TO SUPPLEMENT OTHER TRAFFIC REGULATIONS OF THE CITY (TR-604), LABORER'S ATEN, AND NOT BE EXCEPTED TO. DELIVERIES TO THE CONTRACTOR SHALL ATTEMPT TO MAINTAIN LOCAL ACCESS TO ALL PROPERTIES ON THE PROJECT AT THE END OF EACH WORKING DAY, WHEN POSSIBLE. ANY STREET CLOSURE SHALL BE APPROVED BY THE PUBLIC WORKS MANAGER.

SHEET INDEX

| DWG. SHEET NO. | TITLE SHEET |
|----------------|--|
| T-1 | TITLE SHEET |
| EG-1 | EXISTING CONDITIONS PLAN SHEET 1 |
| EG-2 | EXISTING CONDITIONS PLAN SHEET 2 |
| D-1 | DEMOLITION PLAN & EROSION CONTROL PLAN SHEET 1 |
| D-2 | DEMOLITION PLAN & EROSION CONTROL PLAN SHEET 2 |
| RD-1 | ROADWAY PLAN SHEET 1 |
| RD-2 | ROADWAY PLAN SHEET 2 |
| RD-3 | ROADWAY MISCELLANEOUS DETAILS PLAN |
| RS-1 | ROADWAY SECTIONS PLAN |
| RS-2 | ROADWAY SECTIONS DETAILS PLAN |
| CH-1 | STRIPING & STRIPING PLAN SHEET 1 |
| CH-2 | STRIPING & STRIPING PLAN SHEET 2 |
| PE-1 | SITE PREPARATION & EROSION CONTROL GENERAL NOTES |

ABBREVIATIONS

| | | | |
|-----|---------------------------|------|--------------------------------------|
| AC | ASPHALT CONCRETE | MH | MANHOLE |
| AT | AT | MIN | MISCELLANEOUS |
| AV | AVENUE | N | NORTH |
| BC | BOUNDARY CURVE | NIS | NOT TO SCALE |
| BSL | BUILDING SETBACK LINE | NIS | NOT TO SCALE |
| BMP | BEST MANAGEMENT PRACTICES | P.C | PORTLAND CEMENT CONCRETE |
| BT | BOTTOM | P.L | PROPERTY LINE |
| CB | CATCH BASIN | P.P | PROPOSED |
| CL | CENTERLINE | R | RADIUS |
| CMU | CONCRETE MASONRY UNIT | RT | RIGHT OF WAY |
| CNC | CONCRETE | R | RIGHT |
| CY | CUBIC YARD | S | SOUTH |
| D | DIAMETER | SEC | SECTION |
| DWY | DRIVEWAY | SPC | SPECIFICATION |
| DWG | DRAWING | SS | SANITARY SEWER |
| E | EAST | SSMH | SANITARY SEWER MANHOLE |
| EC | END OF CURVE | SDM | STORM DRAIN MANHOLE |
| EG | EXISTINGGROUND | SD | STORM DRAIN |
| EGP | EDGE OF PAVEMENT | SF | SQUARE FOOT |
| EI | EXISTING | ST | STREET |
| ET | ELEVATION | STA | STATION |
| IN | INCHES | STD | STANDARD |
| L | LENGTH | T | TEMPORARY EROSION & SEDIMENT CONTROL |
| LF | LINEAR FEET | TP | TYPICAL |
| LE | LEFT | V | VERTICAL |
| M&M | MAXIMUM | W | WEST |
| HD | HYDRAULIC | W | WEST |

CITY COUNCIL

KATHERINE BURKOWITZ MAYOR
ROBERT AMPARANO MAYOR PRO-TEM

JAMES TUCKER COUNCIL MEMBER
STACY MENDOZA COUNCIL MEMBER
ISA GIBSON MARTINEZ COUNCIL MEMBER

CITY STAFF

DENISH H. MORITA CITY MANAGER
KRISTINA SHIELDS CITY CLERK
JACKIE LOPER PUBLIC WORKS DIRECTOR
DITHEN MORIA COMMUNITY DEVELOPMENT DIRECTOR
KATHLEEN STRADA JR. FIRE CHIEF
ALFHELD STRADA JR. CITY ATTORNEY
KATHERINE TURNER CITY ATTORNEY

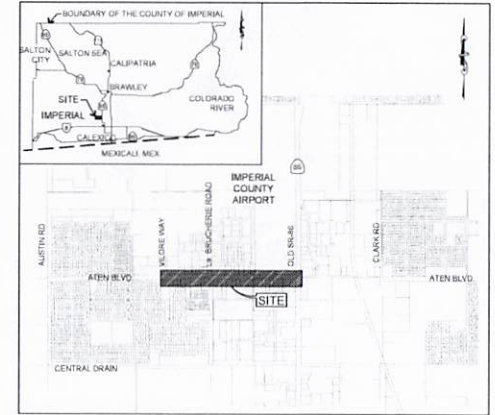
THE LIMITATION:

THE TIME LIMIT ON DRAWINGS APPROVAL SHALL BE SIX (6) MONTHS FROM THE DATE ON THE CERTIFICATION. IF CONSTRUCTION HAS NOT COMMENCED WITHIN THE STATED TIME FRAME, POSSIBLE CHANGES IN MASTER PLANNED ZONING AND CHANGES IN SPECIFICATIONS AND STANDARDS.

MONUMENTS:

- MONUMENT #1**
MONUMENT B @ NOS BEING PREPARED FOR SOUTH COLONIA, FD PK NAL, WITH WASH-R TAGGED RCE 28447, ACCEPTED NW CORNER TRACT 56, PER R08 9-33, FM 22-65 AND OS-44
ADJUSTED NAD 83 GEODETIC POSITION: X = 6788.25728, Y = 1180.84424
LOCATION APPROXIMATELY 1370.2 FT WEST OF OLD SR-86 ALONG THE WEST OF ATEN BOULEVARD
- MONUMENT #2**
FD PK NAL WITH WASH-R TAGGED RCE 28447
ADJUSTED NAD 83 GEODETIC POSITION: X = 6789.25140, Y = 1180.84403
- MONUMENT #3**
MONUMENT B @ NOS BEING PREPARED FOR SOUTH COLONIA, FD PK NAL, TAGGED RCE 28447, ACCEPTED NW CORNER TRACT 60A, PER R08 9-33, FM 22-65 AND OS-23
ADJUSTED NAD 83 GEODETIC POSITION: X = 6788.00494, Y = 1180.83844
- MONUMENT #4**
MONUMENT C @ NOS BEING PREPARED FOR SOUTH COLONIA, FD PK NAL, TAGGED RCE 28447, WITNESS COM MON #2, W OF NW COR TRACT 60A, LABOURER'S ATEN
ADJUSTED NAD 83 GEODETIC POSITION: X=1678.35 71, Y=1680.839 09

VICINITY MAP (NOT TO SCALE)



DECLARATION OF ENGINEER OF RECORD:

I HEREBY DECLARE THAT THE DESIGN OF THE IMPROVEMENTS AS SHOWN ON THESE PLANS COMPLIES WITH PROFESSIONAL ENGINEERING STANDARDS AND PRACTICES AS THE ENGINEER IN RESPONSIBLE CHARGE OF THE DESIGN OF THESE IMPROVEMENTS. I ASSUME FULL RESPONSIBLE CHARGE FOR SUCH DESIGN. I UNDERSTAND AND ACKNOWLEDGE THAT THE PLAN CHECK BY THE CITY OF IMPERIAL, PUBLIC WORKS IS A REVIEW FOR THE LIMITED PURPOSE OF INSURING THAT THE PLANS CONFORM WITH CITY OF WORKS PROCEDURES, APPLICABLE POLICES AND ORDINANCES. THE PLAN CHECK IS NOT A DETERMINATION OF THE TECHNICAL ADEQUACY OF THE DESIGN OF THE IMPROVEMENTS. SUCH A PLAN CHECK DOES NOT, THEREFORE, RELIEVE ME OF MY RESPONSIBILITY FOR THE DESIGN OF THESE IMPROVEMENTS, AS ENGINEER OF RECORD. I AGREE TO INDEMNIFY AND HOLD CITY OF IMPERIAL, PUBLIC WORKS, ITS OFFICERS, AGENTS AND EMPLOYEES HARMLESS FROM ANY AND ALL LIABILITY CLAIMS, DAMAGES OR INJURIES TO ANY PERSON OR PROPERTY WHICH MIGHT ARISE FROM THE NEGLIGENT ACTS, ERRORS OR OMISSIONS OF THE ENGINEER OF RECORD. I HAVE READ AND INFORMED THE PROJECT APPLICANT/DEVELOPER THAT APPROVAL OF THESE PLANS DO NOT RELIEVE THEM FROM THE REQUIREMENTS OF THE DESIGN CONDITIONS.



BY: _____ P.E. # _____ DATE _____

UNDERGROUND UTILITIES NOTE:

ALL UNDERGROUND STRUCTURES OR UTILITIES REPORTED BY THE OWNER OR OTHERS AND THOSE SHOWN ON THE RECORDS EXAMINED ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT.

THE OWNER, BY ACCEPTING THESE PLANS OR PROCEEDING WITH THE IMPROVEMENTS PURSUANT THERE TO, AGREES TO ASSUME LIABILITY AND TO HOLD THE UNDERSIGNED HARMLESS FOR ANY DAMAGES RESULTING FROM THE EXISTENCE OF UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED TO THE UNDERSIGNED, NOT INDICATED ON THE PUBLIC RECORDS EXAMINED, LOCATED AT VARIANCE WITH THAT REPORTED OR SHOWN ON THE RECORDS EXAMINED.

THE CONTRACTOR IS REQUIRED TO TAKE OUT PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES SHOWN AND ANY OTHER UTILITIES OR STRUCTURES FOUND AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK.
CALL UNDERGROUND SERVICE ALERT (U.S.A.): 1-800-422-4733 OR 811 AT LEAST 7 WORKING DAYS PRIOR TO EXCAVATION.

PROJECT DESCRIPTION

THE PROJECT CONSIST GENERALLY OF: GRINDING AND PAVEMENT FINISHING, MA LEVELING COURSE, INSTALL ARAM, ARAM OVERLAY, SHOULDER TRANSITION, CLASS 8 BIKE LANES ON BOTH SIDES OF ATEN BLVD, NEW THERMOPLASTIC STRIPING AND INSTALLING CONSTRUCTION SAFETY SIGNS.

THE WORK INCLUDES, PRIOR TO THE START OF CONSTRUCTION, THE COORDINATION BETWEEN THE CITY OF IMPERIAL, AND THE CONTRACTOR FOR THE COMPLIANCE AND IMPLEMENTATION OF THE PROJECT ENFORCEMENT CONDITIONS LISTED ON APPENDIX D. TESTING AND STUDIES CALLED FOR OR ON SAID APPENDIX D SHALL BE PAID BY CITY.

THE ASPHALT GRINDINGS DERIVED FROM THE CONSTRUCTION ACTIVITY, WHICH SIZE SHOULD BE 1/8" (3MM) OR LESS, SHALL BE DISPOSED AND STOCKPILED AT THE FOLLOWING LOCATION: CITY OF IMPERIAL, SHOP SITE LOCATED AT E. 14TH AND NORTH 'N' STREET.

ASPHALT AND CONCRETE DEMOLITIONS DEBRIS SHALL BE RECYCLED OR DIVERTED AS REQUIRED BY THE CITY'S CAD ORDINANCE.

FILE NAME: PATH & DATE

| # | MODIFICATION TO BIKE LANE STRIPING | D.E. | R.M. | 10.6.23 |
|------|---|--------------------------------------|-----------------------|---------|
| 4 | I/F R - DRAWING ISSUED FOR REVIEW | D.E. <td>R.M. <td>6.19.23</td> </td> | R.M. <td>6.19.23</td> | 6.19.23 |
| 5 | I/F R - DRAWING ISSUED FOR REVIEW | D.E. <td>R.M. <td>5.31.23</td> </td> | R.M. <td>5.31.23</td> | 5.31.23 |
| 3 | I/F R - DRAWING ISSUED FOR REVIEW | D.E. <td>R.M. <td>3.16.23</td> </td> | R.M. <td>3.16.23</td> | 3.16.23 |
| 2 | I/F R - DRAWING ISSUED FOR REVIEW | D.E. <td>R.M. <td>2.27.23</td> </td> | R.M. <td>2.27.23</td> | 2.27.23 |
| 1 | I/F R - DRAWING ISSUED FOR INFORMATION ONLY | D.E. <td>R.M. <td>2.21.23</td> </td> | R.M. <td>2.21.23</td> | 2.21.23 |
| MARK | | BY | APP. | DATE |

APPROVED BY DIRECTOR OF PUBLIC SERVICES DEPARTMENT

CITY OF IMPERIAL, CA

DESIGN BY: _____
CHECK BY: _____
PRJ MGR: _____

DATE: _____

VOXER ENGINEERING

211 W. BARRAN BLVD.
IMPERIAL, CA 92343
(760) 949-2020
WWW.VOXERENGINEERING.COM

APPROVED BY DIRECTOR OF PUBLIC SERVICES DEPARTMENT

CITY OF IMPERIAL, CA

DESIGNED BY: _____
CHECKED BY: _____
DATE: _____



CITY OF IMPERIAL

IMPROVEMENT PLANS

TITLE SHEET

ATEN BOULEVARD REHABILITATION
BETWEEN VILORE WAY AND OLD SR 86
FEDERAL-AID PROJECT: STBGL 5134(027)

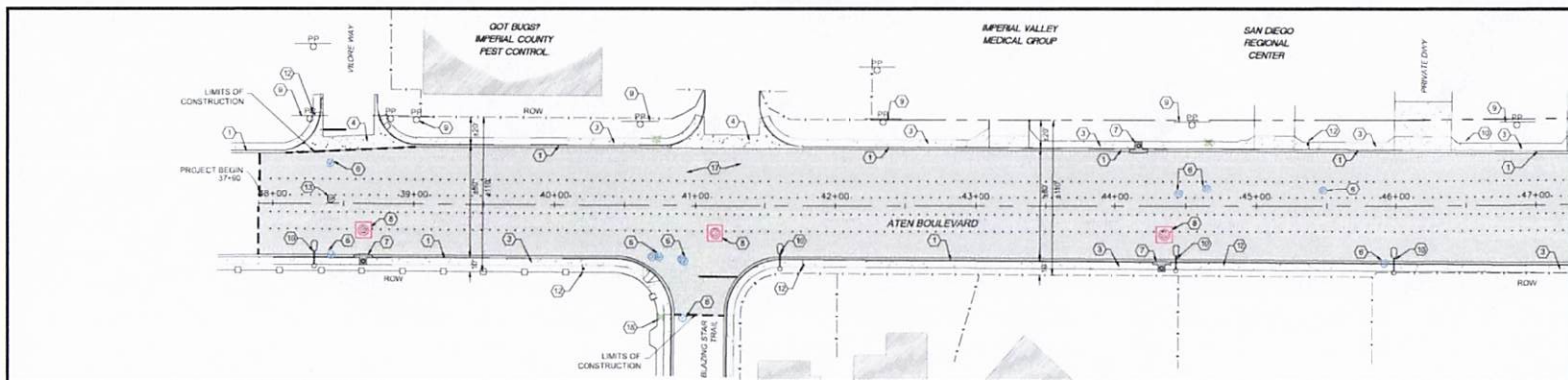
DRAWING NO: **T-1**

PROJECT NO: _____

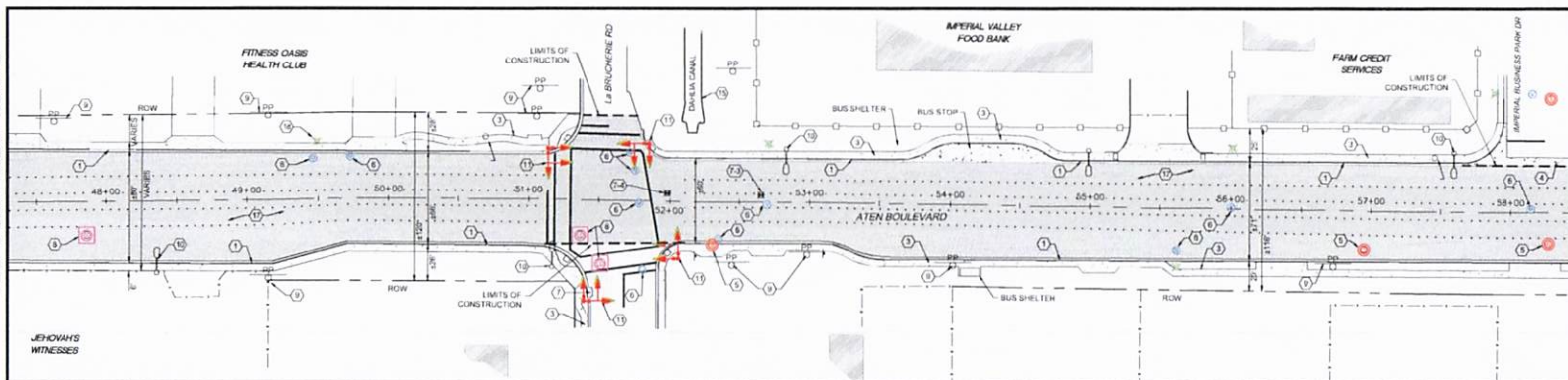
DATE: **10.6.2023**

SHEET NO: **1** of **13**

EXHIBIT 1



47+30 MATCHLINE
SEE PLAN VIEW BELOW



58+50 MATCHLINE
SEE DWG NO 3 OF 13

47+30 MATCHLINE
SEE PLAN VIEW ABOVE

EXISTING MONUMENTS LOCATION

| MONUMENT WELL | COORDINATES | STATION | |
|---------------|-------------|-------------|----------|
| | X | Y | |
| MONUMENT #1 | 6769.257.28 | 1760.844.24 | 65+16.70 |
| MONUMENT #2 | 6769.251.40 | 1760.844.03 | 65+12.82 |
| MONUMENT #3 | 6768.004.04 | 1760.838.44 | 52+45.43 |
| MONUMENT #4 | 67676.36.71 | 1760.839.09 | 51+48.01 |

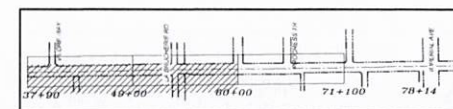
NOTE: SEE MONUMENT DESCRIPTION ON TITLE SHEET

EXISTING FACILITY NOTES

- ① EXISTING P.C.C. CURB & GUTTER
- ② EXISTING P.C.C. CURB
- ③ EXISTING P.C.C. SIDEWALK
- ④ EXISTING P.C.C. CROSS GUTTER
- ⑤ EXISTING SEWER MANHOLE
- ⑥ EXISTING WATER VALVE
- ⑦ EXISTING STORM DRAIN CATCH BASIN
- ⑧ EXISTING STORM DRAIN MANHOLE
- ⑨ EXISTING I.L.D. POWER POLE
- ⑩ EXISTING STREET LAMPS
- ⑪ EXISTING TRAFFIC LIGHT
- ⑫ EXISTING SIGN
- ⑬ EXISTING CATHODIC PROTECTION
- ⑭ EXISTING TRAFFIC LOOP
- ⑮ EXISTING I.L.D. IRRIGATION CHANNEL
- ⑯ EXISTING I.L.D. UNDERGROUND CHANNEL
- ⑰ EXISTING ASPHALTIC PAVEMENT
- ⑱ EXISTING MONUMENT

EXISTING LEGEND

- ① EXISTING SEWER MANHOLE
- ② EXISTING WATER VALVE
- ③ EXISTING FIRE HYDRANT
- ④ EXISTING STORM DRAIN CATCH BASIN
- ⑤ EXISTING STORM DRAIN MANHOLE
- ⑥ EXISTING STREET LAMPS
- ⑦ EXISTING TRAFFIC LIGHT
- ⑧ EXISTING SIGN
- ⑨ EXISTING CATHODIC PROTECTION
- ⑩ EXISTING I.L.D. POWER POLE
- ⑪ MONUMENT
- ⑫ EXISTING P.C.C. CURB & GUTTER
- ⑬ EXISTING P.C.C. CURB
- ⑭ EXISTING ASPHALTIC PAVEMENT
- ⑮ EXISTING P.C.C. SIDEWALK
- ⑯ EXISTING P.C.C. CROSS GUTTER
- ⑰ EXISTING BUILDING
- ⑱ EXISTING DRIVEWAY
- ⑲ EXISTING TRAFFIC LOOP
- ⑳ RETHD. OF WAY
- ㉑ ATEN BLVD CENTER LINE
- ㉒ EX STREET MARKING
- ㉓ EXISTING FENCE
- ㉔ EXISTING MASONRY WALL



KEY MAP
N.T.S.

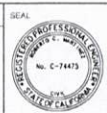


DIALER
TOLL FREE
1-800-421-1133 OR 811
TWO FULL WORKING DAYS
BEFORE YOU GO

FILE NAME, PATH, & DATE

| MARK | DATE | BY | APPV. | DATE | R.C.E. NO. | REG. EXP. |
|------|------|----|-------|------|------------|-----------|
| 6 | | | | | | |
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BY **ENGINEER OF RECORD**
PLANS PREPARED UNDER THE SUPERVISION OF
BY **ROBERTO C. MARTINEZ** DATE _____
R.C.E. NO. **C-74475** REG. EXP. _____



DRAWN BY **O.E.**
DESIGN BY **O.E.**
CHECK BY **R.M.**
PROJ. MGR. **R.M.**



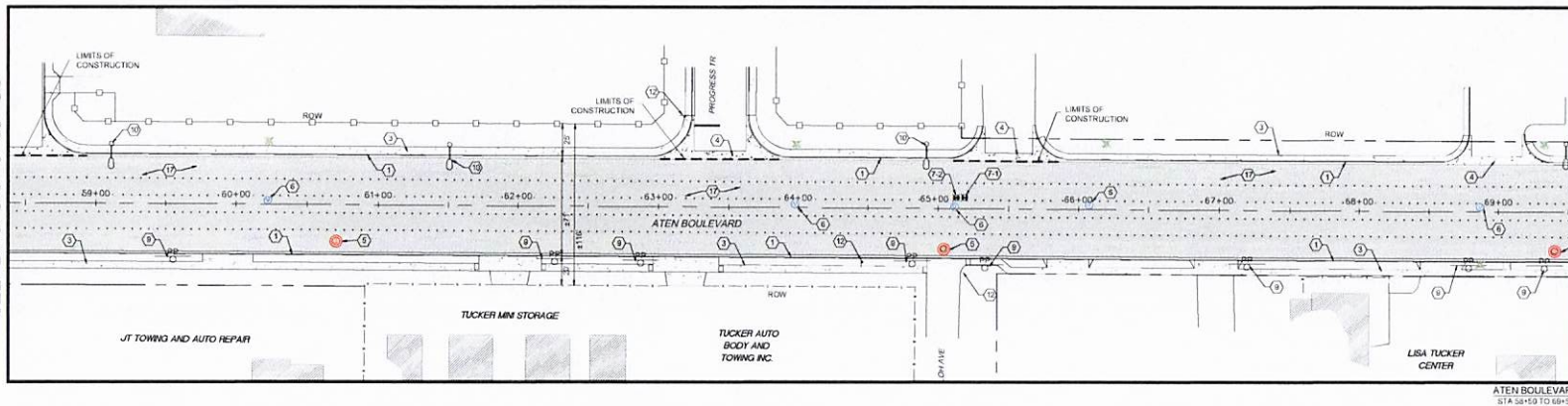
APPROVED BY DIRECTOR OF PUBLIC SERVICES DEPARTMENT
CITY OF IMPERIAL, CA.
BY **JACKIE LOPER** DATE _____



CITY OF IMPERIAL
IMPROVEMENT PLANS
EXISTING CONDITIONS PLAN SHEET 1
ATEN BOULEVARD REHABILITATION
BETWEEN BLUERE WAY AND OLD SR-99
FEDERAL-AID PROJECT: STIGL 51542027
DRAWING NO. **EC-1**
PROJECT NO. _____
DATE **10.6.2023**
SHEET NO. **2** OF 13

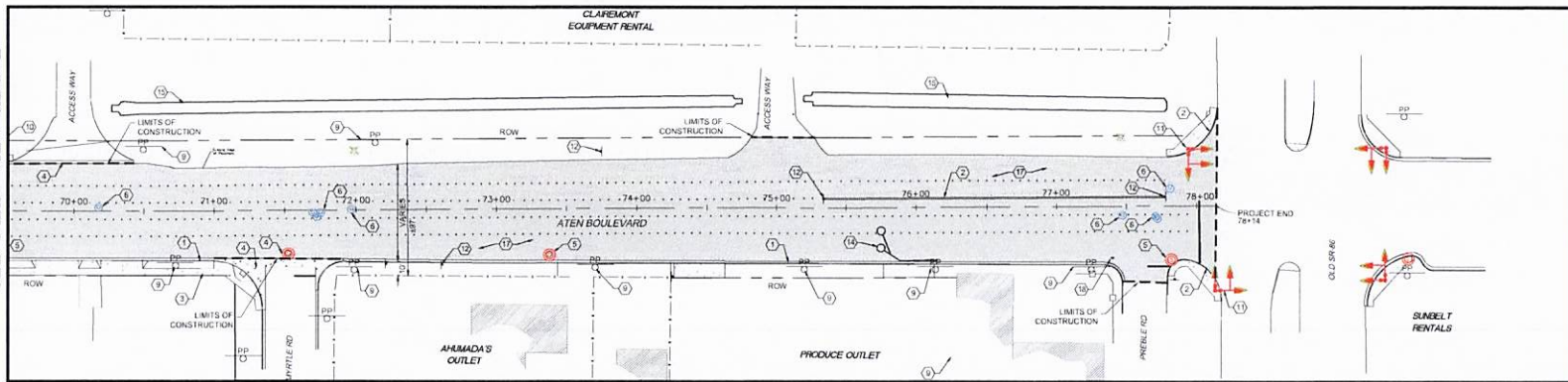
EXHIBIT 1

58+50 MATCHLINE
SEE DWG NO 2 OF 13



69+57 MATCHLINE
SEE PLAN VIEW BELOW

69+57 MATCHLINE
SEE PLAN VIEW ABOVE



ATEN BOULEVARD
STA 69+57 TO 78+14

EXISTING MONUMENTS LOCATION

| MONUMENT WELL | COORDINATES | STATION | |
|---------------|-------------|--------------|----------|
| | X | Y | |
| MONUMENT #1 | 6768.257.28 | 11603.844.24 | 65+18.70 |
| MONUMENT #2 | 6768.251.40 | 11882.844.03 | 65+12.82 |
| MONUMENT #3 | 6768.924.04 | 11880.836.44 | 52+05.43 |
| MONUMENT #4 | 67679.36.71 | 11880.839.09 | 51+08.01 |

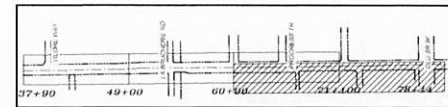
NOTE: SEE MONUMENT DESCRIPTION ON TITLE SHEET

EXISTING FACILITY NOTES

- ① EXISTING P.C.C. CURB & GUTTER
- ② EXISTING P.C.C. CURB
- ③ EXISTING P.C.C. SIDEWALK
- ④ EXISTING P.C.C. CROSS GUTTER
- ⑤ EXISTING SEWER MANHOLE
- ⑥ EXISTING WATER VALVE
- ⑦ EXISTING STORM DRAIN CATCH BASIN
- ⑧ EXISTING STORM DRAIN MANHOLE
- ⑨ EXISTING I.L.D. POWER POLE
- ⑩ EXISTING STREET LAMPS
- ⑪ EXISTING TRAFFIC LIGHT
- ⑫ EXISTING SIGN
- ⑬ EXISTING CATHODIC PROTECTION
- ⑭ EXISTING TRAFFIC LOOP
- ⑮ EXISTING I.L.D. IRRIGATION CHANNEL
- ⑯ EXISTING I.L.D. UNDERGROUND CHANNEL
- ⑰ EXISTING ASPHALTIC PAVEMENT
- ⑱ EXISTING COMMUNICATION BOX
- ⑲ EXISTING MONUMENT

EXISTING LEGEND

- EXISTING SEWER MANHOLE
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING STORM DRAIN CATCH BASIN
- EXISTING STORM DRAIN MANHOLE
- EXISTING STREET LAMPS
- EXISTING TRAFFIC LIGHT
- EXISTING SIGN
- EXISTING CATHODIC PROTECTION
- EXISTING I.L.D. POWER POLE
- MONUMENT
- EXISTING P.C.C. CURB & GUTTER
- EXISTING P.C.C. CURB
- EXISTING ASPHALTIC PAVEMENT
- EXISTING P.C.C. SIDEWALK
- EXISTING P.C.C. CROSS GUTTER
- EXISTING BUILDING
- EXISTING DRIVEWAY
- EXISTING TRAFFIC LOOP
- RIGHT OF WAY
- ATEN BLVD CENTER LINE
- EX. STREET MARKING
- EXISTING FENCE
- EXISTING MASONRY WALL



KEY MAP
N.T.S.



DIG ALERT

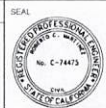


CALL TOLL FREE
1-800-422-1133 OR 811
TWO FULL WORKING DAYS
BEFORE YOU DIG

FILE NAME, DATE, & DATE

| MARK | DESCRIPTION | DATE | BY |
|------|---|-------------------|---|
| 6 | MODIFICATION TO BIKE LANE STRIPING | O.E. R.M. 10.6.23 | BY ENGINEER OF RECORD |
| 5 | IFR - DRAWING ISSUED FOR REVIEW | O.E. R.M. 6.19.23 | PLANS PREPARED UNDER THE SUPERVISION OF |
| 4 | IFR - DRAWING ISSUED FOR REVIEW | O.E. R.M. 5.31.23 | |
| 3 | IFR - DRAWING ISSUED FOR REVIEW | O.E. R.M. 3.16.23 | |
| 2 | IFR - DRAWING ISSUED FOR REVIEW | O.E. R.M. 2.27.23 | |
| 1 | IFR - DRAWING ISSUED FOR INFORMATION ONLY | O.E. R.M. 2.21.23 | |

BY ROBERTO C. MARTINEZ DATE _____
R.C.E. NO. C-24475 REG. EXP. _____



DRAWN BY O.E.
DESIGN BY O.E.
CHECK BY R.M.
PROJ. MGR. R.M.



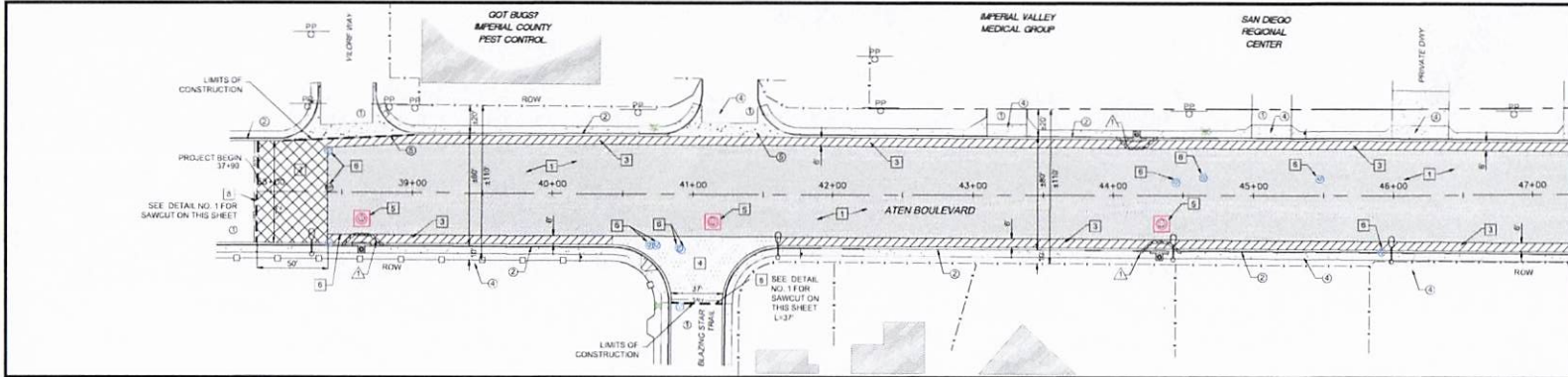
APPROVED BY DIRECTOR OF PUBLIC SERVICES DEPARTMENT
CITY OF IMPERIAL, CA.
BY JACKIE LOOPER DATE _____



CITY OF IMPERIAL
IMPROVEMENT PLANS
EXISTING CONDITIONS PLAN
SHEET 2
ATEN BOULEVARD REHABILITATION
BETWEEN BLOOMING WAY AND OLD SR-66
FEDERAL AID PROJECT #TBDL 5134(227)

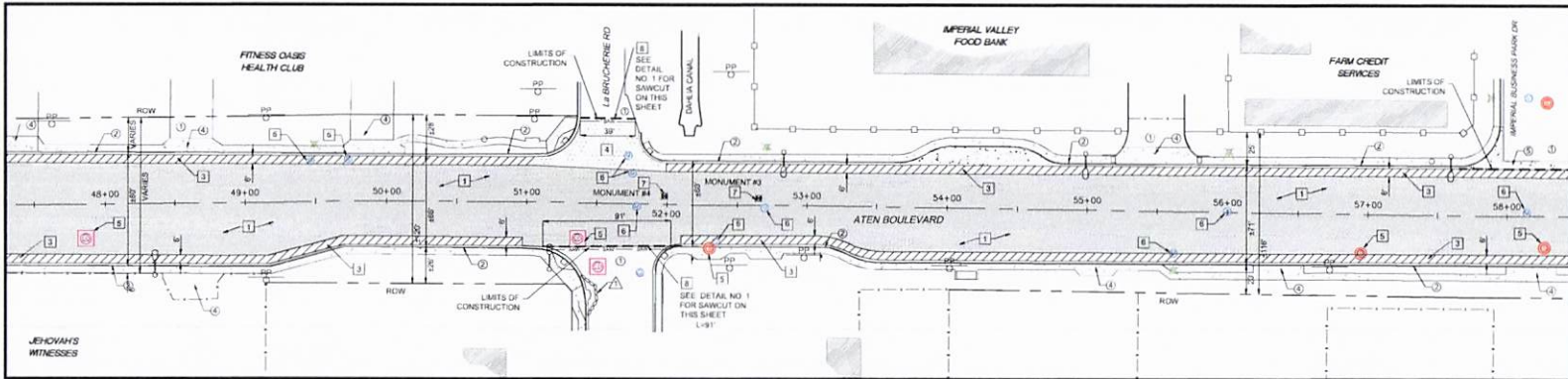
DRAWING NO. EG-2
PROJECT NO. _____
DATE 10.6.2023
SHEET NO. 3 OF 13

EXHIBIT 1



ATEN BOULEVARD
STA 37+90 TO 47+00

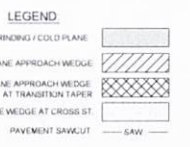
47+30 MATCHLINE
SEE PLAN VIEW BELOW



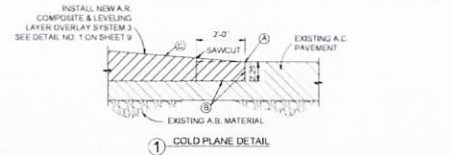
ATEN BOULEVARD
STA 47+30 TO 58+50

58+50 MATCHLINE
SEE DWG NO 5 OF 13

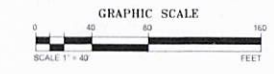
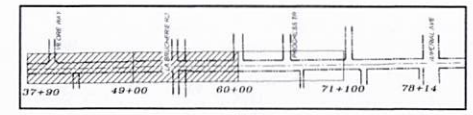
47+30 MATCHLINE
SEE PLAN VIEW ABOVE



- DEMOLITION KEYNOTES**
- GRINDING / COLD PLANE OF TOP 1.5 IN AND REMOVE EXISTING ASPHALTIC CONCRETE AND DISPOSE OF MATERIAL. SEE DETAIL 4 ON SHEET NO. 13
 - GRINDING / COLD PLANE OF 6" APPROACH WEDGE AT TRANSITION TAPER AND REMOVE EXISTING ASPHALTIC CONCRETE AND DISPOSE OF MATERIAL. SEE DETAIL NO. 2 ON SHEET NO. 13
 - GRINDING / COLD PLANE OF 6" APPROACH WEDGE AND REMOVE EXISTING ASPHALTIC CONCRETE AND DISPOSE OF MATERIAL. SEE DETAIL NO. 3 ON SHEET NO. 13
 - GRINDING / COLD PLANE WEDGE AT CROSS STREETS AND REMOVE EXISTING ASPHALTIC CONCRETE AND DISPOSE OF MATERIAL. SEE DETAIL NO. 6 ON SHEET NO. 13
 - EXISTING MANHOLE CONCRETE RING TO BE DEMOLISHED AND LOWERED 0.30' BEFORE PAVING.
 - EXISTING WATER VALVE, CATHODIC PROTECTION, NATURAL GAS AND COMMUNICATION BOX CIRCULAR OR RECTANGULAR CONCRETE RING TO BE DEMOLISHED AND LOWERED 0.30' BEFORE PAVING.
 - EXISTING MONUMENT MELL COVER TO BE LOWERED 0.30' BEFORE PAVING.
 - SAWCUTTING EXISTING PAVEMENT 2" DEEP MIN. FOR THE FULL SECTION PER DETAIL NO. 1 'COLD PLANE DETAIL' ON THIS SHEET. AND DISPOSE MATERIAL PER DETAIL NO. 1 ON THIS SHEET.
 - SAWCUT EXISTING PAVEMENT 1" DEEP MIN. FOR THE FULL DEPTH OF THE ASPHALT ALONG THE NORTH SIDE OF ATEN BLVD FROM STA 69+56.18 TO STA 77+79.00 PER DETAIL NO. 2 ON THIS SHEET.
 - EXISTING PCC CROSS GUTTER TO BE REMOVED



- DETAILS 1 & 2 NOTES**
- GRINDING / COLD PLANE 2 FT WIDE X 2.25 IN DEEP AREA FOR THE FULL WIDTH OF THE EXISTING A.C. PAVEMENT
 - TACK COAT: THE SAWCUT A.C. PAVEMENT EDGE AND COLD PLANED AREA WITH A GRADE 55-1H EMULSIFIED ASPHALT AT AN APPROXIMATE RATE OF 0.05 TO 0.10 GALLON PER SQUARE YARD. THE 55-1H EMULSIFIED ASPHALT SHALL BE UNIFORMLY APPLIED PRECEDING THE PLACEMENT OF THE NEW ASPHALT CONCRETE. THE SURFACE SHALL BE FREE OF WATER, FOREIGN MATERIAL, OR DUST WHEN THE TACK COAT IS APPLIED.
 - OVERLAY HEADER AREA TO MATCH NEW AND EXISTING A.C. SURFACES
 - WHERE PAVEMENT IS INSTALLED ON MORE THAN ONE DAY, A HEADER MUST BE PROVIDED AT THE CONSTRUCTION JOINT.
 - THE MATERIAL SHALL BE DISPOSED AND STOCKPILED AT THE FOLLOWING LOCATION: CITY OF IMPERIAL SHOP SITE LOCATED AT 14TH AND NORTH "N" STREET.



FILE NAME: PATH, & DATE

| | | | | |
|---|---|------|------|---------|
| 8 | MODIFICATION TO BIKE LANE STRIPING | O.E. | R.M. | 10.6.23 |
| 5 | IFR - DRAWING ISSUED FOR REVIEW | O.E. | R.M. | 6.19.23 |
| 4 | IFR - DRAWING ISSUED FOR REVIEW | O.E. | R.M. | 5.31.23 |
| 3 | IFR - DRAWING ISSUED FOR REVIEW | O.E. | R.M. | 3.16.23 |
| 2 | IFR - DRAWING ISSUED FOR REVIEW | O.E. | R.M. | 2.27.23 |
| 1 | IFR - DRAWING ISSUED FOR INFORMATION ONLY | O.E. | R.M. | 2.21.23 |

ENGINEER OF RECORD

PLANS PREPARED UNDER THE SUPERVISION OF

BY: ROBERTO C. MARTINEZ DATE: _____

R.C.E. NO. C-74475 REG. EXP. _____



VOXER ENGINEERING

313 S. BARNES BLVD.
IMPERIAL, CA 92541
(760) 838-0000
WWW.VOXERENGINEERING.COM

APPROVED BY DIRECTOR OF PUBLIC SERVICES DEPARTMENT

CITY OF IMPERIAL, CA

BY: JACKIE LOPER DATE: _____



CITY OF IMPERIAL

IMPROVEMENT PLANS
DEMOLITION AND EROSION CONTROL
PLAN SHEET 1

ATEN BOULEVARD REHABILITATION
BETWEEN VULPINE WAY AND O.D. DR. 46
FEDERAL AID PROJECT 5780L 513402(7)

W.G.

DRAWING NO. D-1

PROJECT NO. _____

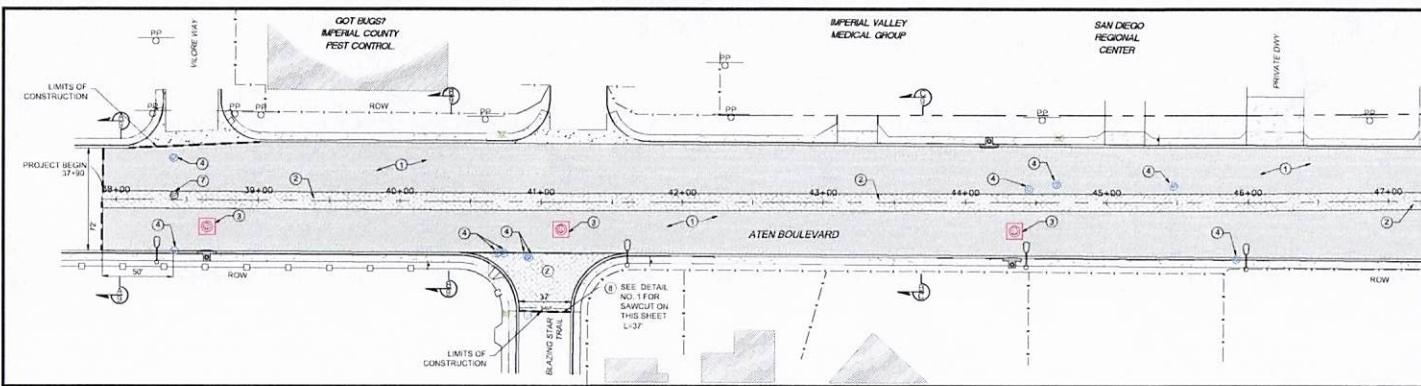
DATE: 10.6.2023

SHEET NO. 4 OF 13

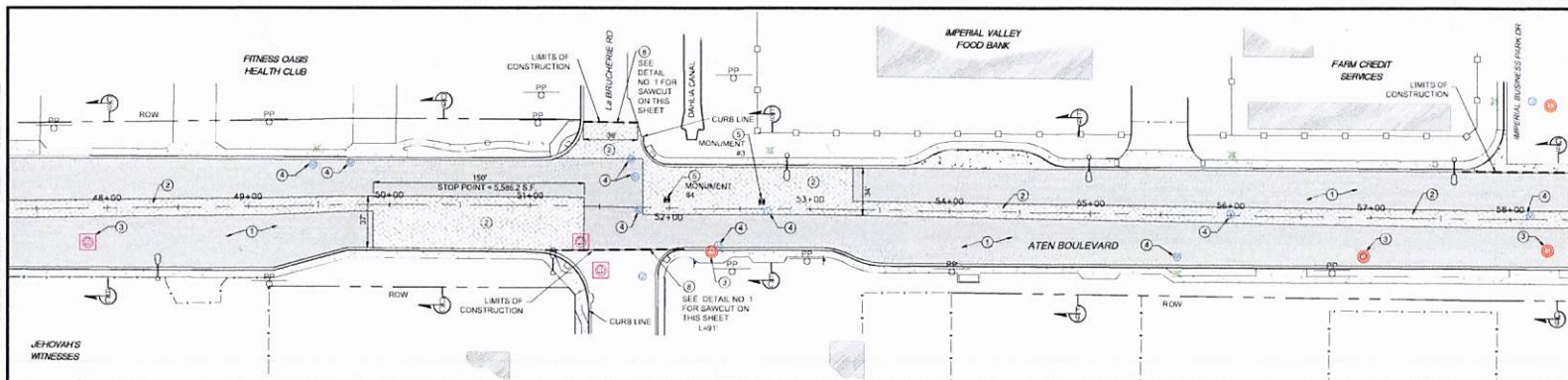
EXHIBIT 1

SUMMARY OF QUANTITIES

| NO. | ITEM | UNIT | QTY |
|-----|--|------|-----------|
| 1 | INSTALL NEW C-2 PAVEMENT AND CLASS 2 BASE ALONG THE NORTH SIDE OF ATEN BLVD FROM STA 68+78.3 TO STA 76+98.80 PER DETAIL 3 ON SHEET 9 | S.F. | 4,235 |
| 2 | REGRADE NATIVE MATERIAL ALONG THE NORTH SIDE OF ATEN BLVD FROM STA 68+78.3 TO STA 76+98.80 AFTER COMPLETION OF ROAD REHABILITATION. SEE DEMOLITION PLAN FOR DETAILS. | S.F. | 3,965 |
| 3 | INSTALLATION OF 3/4" A.C. LEVEL COURSE 1/2" HMA TYPE A INCLUDING S511 TACK COAT | S.F. | 286,703.2 |
| 4 | INSTALLATION OF 3" ASPHALT RUBBER AGGREGATE MEMBRANE (ARMM-GG) PAVEMENT | S.F. | 225,350.8 |
| 5 | INSTALLATION OF 1.5" ASPHALT RUBBER HOT MIX - GAP GRADED (ARHM-GG) ON PAVEMENT SYSTEM 3 | TON | 2,084.5 |
| 6 | INSTALLATION OF 1.5" ASPHALT RUBBER HOT MIX - GAP GRADED (ARHM-GG) ON PAVEMENT SYSTEM 2 STOP POINT | TON | 566.0 |
| 7 | DOUBLE ADJUST MANHOLE COVERS AND INSTALL A PCC CONCRETE RING COMPRESSIVE STRENGTH 4,500 PSI MINIMUM PER CITY STD DETAILS NO. 209 & 200. | EA. | 13 |
| 8 | DOUBLE ADJUST WATER VALVES COVERS AND INSTALL A PCC CONCRETE RING COMPRESSIVE STRENGTH 4,500 PSI MINIMUM PER CITY STD DETAILS NO. 508. | EA. | 35 |
| 9 | DOUBLE ADJUST MONUMENT WELL COVERS PER CITY STD DETAILS 3, 2, 5, 6. | EA. | 4 |
| 10 | DOUBLE ADJUST 2.5 X 1.5' COMMUNICATION BOX | EA. | 1 |



47+30 MATCHLINE
SEE PLAN VIEW BELOW



58+50 MATCHLINE
SEE DWG NO 7 OF 13

GENERAL NOTES

- ALL DIMENSIONS ARE GIVEN IN FEET.
- COORDINATES (UTM AND 83) - HANDED CALIFORNIA VI
- ALL CONSTRUCTION SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS.
- APPROVED PLANS AND RECORD DOCUMENTS: A COPY OF THE APPROVED PLANS AND SPECS SHALL BE ON SITE WHENEVER CONSTRUCTION IS IN PROGRESS. THROUGHOUT THE PROGRESS OF THE WORK ON THIS CONTRACT, THE CONTRACTOR SHALL MAINTAIN AN ACCURATE RECORD OF CHANGES IN THE CONTRACT DOCUMENTS UPON COMPLETION OF THIS CONTRACT. THE CONTRACTORS SHALL PROVIDE ONE COMPLETE SET OF RECORD DOCUMENTS TO THE PROJECT MANAGER.
- ALL LOCATIONS OF EXISTING UTILITIES SHOWN HEREIN HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS, AND THEREFORE, SHOULD BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITIES LOCATIONS SHOWN AND TO FURTHER DISCOVER AND AVOID OTHER UTILITIES NOT SHOWN HEREIN WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THIS PLAN.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL BE REQUIRED TO CONTROL, DRAINAGE OF CONCRETE SURFACE WATER RUNOFF BY USING TEMPORARY EROSION/SEDIMENT CONTROL PROCEDURES NOT PROVIDED IN THIS PLAN.
- ALL EXISTING SEWER MANHOLES, WATER VALVES, BOXES, NATURAL GAS AND CATHODIC PROTECTION WILL BE PROTECTED AND ADJUSTED TO GRADE WHEN PAVING THE ROAD. THE CONTRACTOR SHALL MAINTAIN AND PROTECT EXISTING STREETS AND PARKING LOTS, PAVEMENT, AND UTILITIES NEAR TO THE WORKS. THE CONTRACTOR SHALL ALSO KEEP CLEAN ALL STREETS, PARKING LOTS AND PRIVATE PROPERTY.
- THE SANITARY SEWER MANHOLE NO. 22 IN THE TABLE OF STRUCTURES, VALVES AND DEVICES, MAYBE NOT PART OF THIS PROJECT.
- THE POLYPROPYLENE RINGS PROPOSED FOR ADJUST SEWER MANHOLES SHOULD BE TESTED TO MEET A MINIMUM MOD. HS-20 & HS-25 LOAD, ASTM C1744, C666, D-4023.13 AND SAE J665 STANDARDS.
- CONTRACTOR TO ADJUST (RAISE) CATHODIC PROTECTION FRAME COVER VAULT PER CITY OF IMPERIAL DETAILS.
- STORM DRAIN CATCHBASIN CONCRETE SLABS, DO NOT NEED TO BE ADJUSTED. THE NEW AC PAVEMENT MUST MATCH WITH THIS ELEMENT.

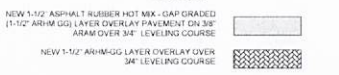
CONSTRUCTION KEYNOTES

- CONTRACTOR TO PLACE "SYSTEM 3" NEW 1-1/2" ASPHALT RUBBER HOT MIX - GAP GRADED 11-1/2" ARHM-GG LAYER OVERLAY PAVEMENT ON 3" ARHM-GG 3/4" LEVELING COURSE OR AS DIRECTED BY ENGINEER. SEE DETAIL NO. 4 ON SHEET 10.
- CONTRACTOR TO PLACE 150 FT "SYSTEM 2" STOP POINT NEW 1-1/2" ARHM-GG LAYER OVERLAY COVER 3/4" LEVELING COURSE OR AS DIRECTED BY ENGINEER. SEE DETAIL NO. 1 & 3 ON SHEET 10.
- CONTRACTOR TO PLACE DOUBLE ADJUST (RISE) EXISTING MANHOLE FRAME COVERS TO BE LOWERED 2" BEFORE PAVING. AFTER PAVING ADJUST MANHOLE FRAME COVERS TO 3" BELOW GRADE AND INSTALL A PCC CONCRETE RING ONE-FOOT WIDE AND ONE-FOOT DEEP AROUND THE MANHOLE FRAME COVER. CONCRETE COMPRESSIVE STRENGTH SHALL BE A MINIMUM OF 4,500 PSI FOR SPECIFIC INFORMATION, SEE CITY STD. DETAILS 5 NO 200 & NO. 300. ALSO SEE SHEET NO. 8.
- CONTRACTOR TO PLACE DOUBLE ADJUST (RISE) EXISTING WATER VALVE COVER TO BE LOWERED 2" BEFORE PAVING. AFTER PAVING ADJUST WATER VALVE COVER TO 1" BELOW GRADE AND INSTALL A PCC CONCRETE RING 8 IN WIDE AND 8 IN DEEP AROUND THE WATER VALVE COVER PER CITY STD DETAIL NO. 508 (PAVED AREAS). ALSO SEE SHEET NO. 8.
- CONTRACTOR TO PLACE DOUBLE ADJUST EXISTING MONUMENT WELL COVER TO BE LOWERED 2" BEFORE PAVING. AFTER PAVING ADJUST MONUMENT WELL COVERS TO 1" ABOVE GRADE AND INSTALL A PCC CONCRETE RING 8 IN WIDE AND 14 IN DEEP AROUND THE MONUMENT WELL COVERS PER CITY STD DETAIL NO. 515. ALSO SEE SHEET NO. 8.
- CONTRACTOR TO PLACE DOUBLE ADJUST EXISTING COMMUNICATION 2.5 X 1.5 BOX LOCATED AT PEEBLE ROAD INTERSECTION. THE EXISTING BOX TO BE LOWERED 3" BEFORE PAVING. AFTER PAVING ADJUST COMMUNICATION BOX TO 3" BELOW GRADE AND INSTALL A PCC CONCRETE RING 8 IN WIDE AND 8 IN DEEP AROUND THE BOX.
- CONTRACTOR TO ADJUST (RAISE) CATHODIC PROTECTION FRAME COVER VAULT PER CITY OF IMPERIAL DETAILS.
- CONTRACTOR TO REINSTALLATION TRAFFIC LOOP PER CALTRANS 2010 ELECTRICAL SYSTEMS DESIGN MANUAL AND ES-58 STD. DETAIL.

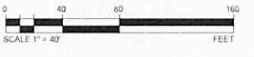
EXISTING COVER AND FRAMES LOCATION

| NO. | STRUCTURE | COORDINATES | | STATION | OFFSET | NO. | STRUCTURE | COORDINATES | | STATION | OFFSET |
|-----|----------------|-------------|-------------|----------|----------|-----|------------------|-------------|-------------|----------|----------|
| | | X | Y | | | | | X | Y | | |
| 1 | WATER VALVE | 6766.578.95 | 1980.846.76 | 39+42.34 | 28.8' LF | 16 | WATER VALVE | 6767.684.68 | 1980.901.53 | 49+58.97 | 29.5' LF |
| 2 | CATHODIC PROT. | 6766.578.86 | 1980.825.18 | 39+41.69 | 3.2' LF | 17 | WATER VALVE | 6767.710.57 | 1980.862.79 | 49+72.53 | 35.2' LF |
| 3 | WATER VALVE | 6766.580.28 | 1980.781.27 | 39+41.27 | 35.7' RT | 18 | STORM M.H. | 6767.675.03 | 1980.808.75 | 51+36.64 | 25.1' RT |
| 4 | STORM M.H. | 6766.552.96 | 1980.768.70 | 39+64.07 | 18.4' RT | 19 | WATER VALVE | 6767.670.48 | 1980.967.87 | 51+71.48 | 34.4' LF |
| 5 | WATER VALVE | 6766.608.02 | 1980.782.35 | 40+69.01 | 36.0' RT | 20 | WATER VALVE | 6767.813.71 | 1980.855.34 | 51+74.86 | 21.9' LF |
| 6 | WATER VALVE | 6766.813.04 | 1980.782.35 | 40+74.03 | 36.1' RT | 21 | WATER VALVE | 6767.816.70 | 1980.831.99 | 51+76.07 | 1.4' RT |
| 7 | WATER VALVE | 6766.828.10 | 1980.780.87 | 40+60.00 | 27.6' RT | 22 | MONUMENT #4 | 6767.926.71 | 1980.839.29 | 51+68.01 | 5.9' LF |
| 8 | WATER VALVE | 6766.835.85 | 1980.779.58 | 40+91.82 | 38.9' RT | 23 | WATER VALVE | 6767.873.41 | 1980.806.87 | 52+34.52 | 26.3' RT |
| 9 | STORM M.H. | 6766.852.87 | 1980.769.67 | 41+13.97 | 19.0' RT | 24 | MONUMENT #3 | 6768.004.34 | 1980.836.44 | 52+45.43 | 5.0' LF |
| 10 | STORM M.H. | 6767.772.59 | 1980.825.27 | 44+34.63 | 19.8' RT | 25 | WATER VALVE | 6768.285.25 | 1980.831.84 | 52+49.62 | 11.6' RT |
| 11 | WATER VALVE | 6767.783.49 | 1980.831.63 | 44+44.83 | 8.5' LF | 26 | WATER VALVE | 6768.203.57 | 1980.803.30 | 55+52.23 | 28.5' RT |
| 12 | WATER VALVE | 6767.201.00 | 1980.835.58 | 44+64.38 | 13.2' LF | 27 | WATER VALVE | 6768.336.47 | 1980.833.90 | 55+69.77 | 1.1' LF |
| 13 | WATER VALVE | 6767.295.82 | 1980.835.39 | 45+47.10 | 12.3' LF | 28 | S. SANITARY M.H. | 6768.433.47 | 1980.804.99 | 56+44.92 | 27.5' RT |
| 14 | WATER VALVE | 6767.330.90 | 1980.784.34 | 45+91.69 | 39.5' RT | 29 | WATER VALVE | 6768.555.83 | 1980.835.50 | 56+14.32 | 2.9' LF |
| 15 | STORM M.H. | 6767.525.29 | 1980.804.32 | 47+46.06 | 23.8' RT | 30 | S. SANITARY M.H. | 6768.565.85 | 1980.810.55 | 56+26.60 | 22.1' RT |

LEGEND



GRAPHIC SCALE



DIG ALERT



FILE NAME: PATH & DATE

| NO. | DESCRIPTION | DATE | BY | APP. |
|-----|---|----------|------|------|
| 6 | MODIFICATION TO MAKE LANE STRIPING | 06.23.23 | R.M. | |
| 5 | IFR - DRAWING ISSUED FOR REVIEW | 06.19.23 | R.M. | |
| 4 | IFR - DRAWING ISSUED FOR REVIEW | 06.19.23 | R.M. | |
| 3 | IFR - DRAWING ISSUED FOR REVIEW | 06.19.23 | R.M. | |
| 2 | IFR - DRAWING ISSUED FOR REVIEW | 06.19.23 | R.M. | |
| 1 | IFR - DRAWING ISSUED FOR INFORMATION ONLY | 06.19.23 | R.M. | |

BY **ENGINEER OF RECORD**
PLANS PREPARED UNDER THE SUPERVISION OF
ROBERTO C. MARTINEZ
DATE
R.C.E. NO. C-74475
REC. EXP.



DRAWN BY **O.E.**
DESIGN BY **O.E.**
CHECK BY **R.M.**
PROJ MGR **R.M.**

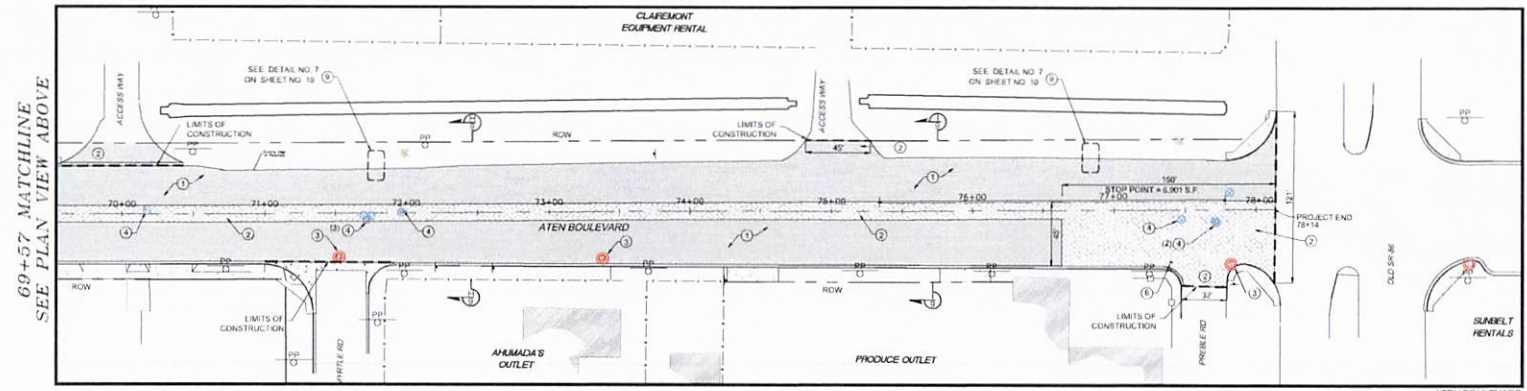
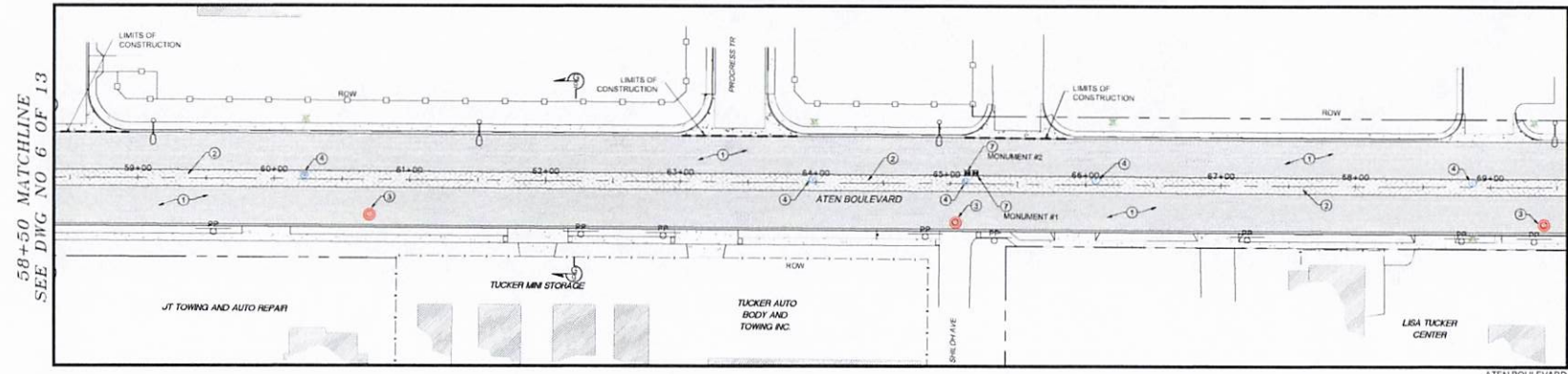


APPROVED BY DIRECTOR OF PUBLIC SERVICES DEPARTMENT
CITY OF IMPERIAL, CA
BY JACKIE LOPER
DATE



| CITY OF IMPERIAL | | DRAWING NO. RD-1 | |
|--|--|-------------------|--|
| IMPROVEMENT PLANS | | PROJECT NO. | |
| ROADWAY PLAN SHEET 1 | | DATE 10.6.2023 | |
| ATEN BOULEVARD REHABILITATION BETWEEN PEEBLE WAY AND OLD SR-66 FEDERAL-AID PROJECT 67BLG 5134207 | | SHEET NO. 6 OF 13 | |
| WGC | | | |

EXHIBIT 1



SUMMARY OF QUANTITIES

STA 37+60 TO 78+14 (624 L.F.)

| NO. | ITEM | UNIT | QTY |
|-----|---|------|-----------|
| 1 | INSTALL NEW A.C. PAVEMENT AND CLASS 3 BASE ALONG THE NORTH SIDE OF ATEN BLVD. FROM STA 58+50 TO STA 78+14 PER DETAIL 3 ON SHEET 8 | SF | 4,235 |
| 2 | REGRADE NATIVE MATERIAL ALONG THE NORTH SIDE OF ATEN BLVD. FROM STA 69+57 TO STA 78+14 AFTER COMPLETION OF ROAD REHABILITATION. SEE DEMOLITION PLAN FOR DETAILS | SF | 3,985 |
| 3 | INSTALLATION OF 3/4" A.C. LEVEL COURSE 10' HMA TYPE A1 INCLUDING 50% TACK COAT | SF | 288,702.2 |
| 4 | INSTALLATION OF 3/8" ASPHALT RUBBER AGGREGATE MEMBRANE (ARMA-GO) PAVEMENT | SF | 225,300.8 |
| 5 | INSTALLATION OF 1.5" ASPHALT RUBBER HOT MIX - GAP GRADED (ARMA-GO) ON PAVEMENT SYSTEM 3 | TON | 2,644.6 |
| 6 | INSTALLATION OF 1.5" ASPHALT RUBBER HOT MIX - GAP GRADED (ARMA-GO) CEMENT ON SYSTEM 2 STOP POINT | TON | 586.0 |
| 7 | DOUBLE ADJUST MANHOLE COVERS AND INSTALL A PCC CONCRETE RING COMPRESSIVE STRENGTH 4,500 PSI MINIMUM PER CITY STD DETAILS NO. 329 & 300 | EA | 13 |
| 8 | DOUBLE ADJUST WATER VALVES COVERS AND INSTALL A PCC CONCRETE RING COMPRESSIVE STRENGTH 4,500 PSI MINIMUM PER CITY STD DETAILS NO. 515 | EA | 35 |
| 9 | DOUBLE ADJUST MONUMENT WELL COVERS PER CITY STD DETAILS NO. 515 | EA | 4 |
| 10 | DOUBLE ADJUST 2.5' X 1.5' COMMUNICATION BOX | EA | 1 |

GENERAL NOTES

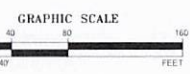
- ALL DIMENSIONS ARE GIVEN IN FEET.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL UTILITIES AND SERVICES.
- ALL CONSTRUCTION SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS.
- APPROVED PLANS AND RECORD DOCUMENTS: A COPY OF THE APPROVED PLANS AND SPECS SHALL BE ON SITE WHENEVER CONSTRUCTION IS IN PROGRESS THROUGHOUT THE PROGRESS OF THE WORK ON THIS CONTRACT. THE CONTRACTOR SHALL MAINTAIN AN ACCURATE RECORD OF CHANGES IN THE CONTRACT DOCUMENTS UPON COMPLETION OF THIS CONTRACT. THE CONTRACTORS SHALL PROVIDE ONE COMPLETE SET OF RECORD DOCUMENTS TO THE PROJECT MANAGER.
- ALL LOCATIONS OF EXISTING UTILITIES SHOWN HEREIN HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS, AND THEREFORE, SHOULD BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN AND TO FURTHER DISCOVER AND ANCHOR OTHER UTILITIES NOT SHOWN HEREIN WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THIS PLAN. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE REQUIRED TO CONTROL DRAINAGE OF OVERSITE SURFACE WATER RUNOFF BY USING TEMPORARY EROSION CONTROL PROCEDURES NOT PROVIDED IN THIS PLAN.
- ALL EXISTING SEWER MANHOLES, WATER VALVES, BOXES, NATURAL GAS AND CATHODIC PROTECTION WILL BE PROTECTED AND ADJUSTED TO GRADE WHEN PAVING THE ROAD. THE CONTRACTOR SHALL MAINTAIN AND PROTECT EXISTING STREETS AND PARKING LOTS, PAVEMENT, AND UTILITIES NEAR TO THE WORKS. THE CONTRACTOR SHALL ALSO KEEP CLEAN ALL STREETS, PARKING LOTS AND PRIVATE PROPERTY.
- THE SANITARY SEWER MANHOLE NO. 22 IN THE TABLE OF STRUCTURES, VALVES AND DEVICES, MAYBE NOT PART OF THIS PROJECT.
- THE POLYPROPYLENE RINGS PROPOSED FOR ADJUST SEWER MANHOLES SHOULD BE TESTED TO MEET A MINIMUM MOISTURE & H2O2 LOAD. ASTM C144, C568, D-4243 AND SAE J485 STANDARDS.
- STORM DRAIN CATCHBASIN CONCRETE SLABS, DO NOT NEED TO BE ADJUSTED. THE NEW A.C. PAVEMENT MUST MATCH WITH THIS ELEMENT.

CONSTRUCTION KEYNOTES

- CONTRACTOR TO PLACE "SYSTEM 2" NEW 1-1/2" ASPHALT RUBBER HOT MIX - GAP GRADED 1-1/2" ARMA-GO LAYER OVERLAY PAVEMENT ON 3/4" ARMA-COVER 3/4" LEVELING COURSE OR AS DIRECTED BY ENGINEER. SEE DETAIL NO. 4 ON SHEET 10.
- CONTRACTOR TO PLACE 150 FT "SYSTEM 2" STOP POINT NEW 1-1/2" ARMA-GO LAYER OVERLAY OVER 3/4" LEVELING COURSE OR AS DIRECTED BY ENGINEER. SEE DETAIL NO. 14.5 ON SHEET 10.
- CONTRACTOR TO PLACE DOUBLE ADJUST (RHS) EXISTING MANHOLE FRAME COVERS TO BE LOWERED 9.30" BEFORE PAVING. AFTER PAVING ADJUST MANHOLE FRAME COVER TO 30" BELOW GRADE AND INSTALL A PCC CONCRETE RING ONE-FOOT WIDE AND ONE-FOOT DEEP AROUND THE MANHOLE FRAME COVER. CONCRETE COMPRESSIVE STRENGTH SHALL BE A MINIMUM OF 4,500 PSI. FOR SPECIFIC INFORMATION, SEE CITY STD. DETAILS NO. 209 & NO. 300. ALSO SEE SHEET NO. 8.
- CONTRACTOR TO PLACE DOUBLE ADJUST (RHS) EXISTING WATER VALVE COVER TO BE LOWERED 9.30" BEFORE PAVING. AFTER PAVING ADJUST WATER VALVE COVER TO 10" BELOW GRADE AND INSTALL A PCC CONCRETE RING 8" IN DIAM. AND 8" IN DEEP AROUND THE WATER VALVE COVER PER CITY STD DETAIL NO. 508. PAVED AREA, ALSO SEE SHEET NO. 8.
- CONTRACTOR TO PLACE DOUBLE ADJUST EXISTING MONUMENT WELL COVER TO BE LOWERED 9.30" BEFORE PAVING. AFTER PAVING ADJUST MONUMENT WELL COVERS TO 14" ABOVE GRADE AND INSTALL A PCC CONCRETE RING 8" IN DIAM. AND 14" IN DEEP AROUND THE MONUMENT WELL COVERS PER CITY STD. DETAIL NO. 515. ALSO SEE SHEET NO. 8.
- CONTRACTOR TO PLACE DOUBLE ADJUST EXISTING COMMUNICATION 2.5' X 1.5' BOX LOCATED AT PAVEMENT ROAD INTERSECTION. THE EXISTING BOX TO BE LOWERED 0.30" BEFORE PAVING. AFTER PAVING ADJUST COMMUNICATION BOX TO 3/4" BELOW GRADE AND INSTALL A PCC CONCRETE RING 8" IN DIAM. AND 8" IN DEEP AROUND THE BOX.
- CONTRACTOR TO ADJUST (RHS) CATHODIC PROTECTION FRAME COVER VALVE PER CITY OF IMPERIAL DETAILS.
- CONTRACTOR TO REINSTALL TRAFFIC LOOP PER CALTRANS 2009 ELECTRICAL SYSTEMS DESIGN MANUAL AND CBS-8 STD. DETAIL.
- IF TRUCK AND PAVEMENT ON 12" THICK BASE COMPACTED TO 95% OF MAX DENSITY OVER 12" SUBGRADE COMPACTED TO 95% OF MAX DENSITY. A.C. CONSIST OF 1" CAP OF 1/2" HMA AND 2" BASE COURSE OF 3/4" HMA.

LEGEND

| | |
|--|--|
| NEW 1-1/2" ASPHALT RUBBER HOT MIX - GAP GRADED (1-1/2" ARMA-GO) LAYER OVERLAY PAVEMENT ON 3/4" ARMA-COVER 3/4" LEVELING COURSE | |
| NEW 1-1/2" ARMA-GO LAYER OVERLAY COVER 3/4" LEVELING COURSE | |



EXISTING COVER AND FRAMES LOCATION

| NO. | STRUCTURE | COORDINATES | STATION | OFFSET | NO. | STRUCTURE | COORDINATES | STATION | OFFSET | | | | |
|-----|------------------|-------------|-------------|----------|------|-----------|-------------|------------------|-------------|-------------|----------|------|------|
| | | X | Y | | | X | Y | | | | | | |
| 31 | WATER VALVE | 6768 780.88 | 1560 837.07 | 60+22.27 | 3.4 | L.F. | 43 | WATER VALVE | 6769 908.42 | 1560 840.96 | 71+68.82 | 1.1 | R.T. |
| 32 | S. SANITARY M.H. | 6768 809.22 | 1560 808.32 | 60+70.48 | 25.8 | R.T. | 44 | WATER VALVE | 6769 911.16 | 1560 838.06 | 71+72.51 | 4.1 | R.T. |
| 33 | WATER VALVE | 6769 136.04 | 1560 838.56 | 63+97.43 | 2.9 | L.F. | 45 | WATER VALVE | 6769 913.74 | 1560 842.96 | 71+75.13 | 1.2 | R.T. |
| 34 | S. SANITARY M.H. | 6769 242.68 | 1560 807.03 | 65+03.82 | 26.5 | R.T. | 46 | WATER VALVE | 6769 926.32 | 1560 834.55 | 71+96.76 | 1.0 | L.F. |
| 35 | WATER VALVE | 6769 250.01 | 1560 837.96 | 65+11.39 | 1.8 | L.F. | 47 | S. SANITARY M.H. | 6770 376.84 | 1560 873.62 | 72+37.57 | 32.6 | W.T. |
| 36 | MONUMENT #2 | 6769 251.40 | 1560 844.02 | 65+12.82 | 7.8 | L.F. | 48 | TRAFFIC LOOP | 6770 313.82 | 1560 825.59 | 72+74.96 | 23.1 | R.T. |
| 37 | MONUMENT #1 | 6769 257.28 | 1560 844.24 | 65+16.70 | 7.0 | L.F. | 49 | COMB BOX | 6770 478.91 | 1560 874.90 | 72+30.72 | 36.8 | R.T. |
| 38 | WATER VALVE | 6769 346.13 | 1560 840.34 | 66+07.53 | 3.5 | L.F. | 50 | WATER VALVE | 6770 485.79 | 1560 848.68 | 72+47.17 | 6.3 | R.T. |
| 39 | WATER VALVE | 6769 625.15 | 1560 842.25 | 66+86.57 | 3.8 | L.F. | 51 | WATER VALVE | 6770 506.45 | 1560 842.14 | 72+76.82 | 7.3 | R.T. |
| 40 | S. SANITARY M.H. | 6769 676.05 | 1560 811.34 | 66+80.10 | 27.5 | R.T. | 52 | WATER VALVE | 6770 510.76 | 1560 843.79 | 72+71.02 | 6.6 | R.T. |
| 41 | WATER VALVE | 6769 758.10 | 1560 842.49 | 70+17.52 | 3.0 | L.F. | 53 | WATER VALVE | 6770 518.47 | 1560 862.30 | 72+61.22 | 12.7 | L.F. |
| 42 | S. SANITARY M.H. | 6769 691.42 | 1560 811.16 | 71+52.27 | 30.6 | R.T. | 54 | S. SANITARY M.H. | 6770 521.03 | 1560 814.54 | 72+61.81 | 38.1 | R.T. |

| NO. | DESCRIPTION | DATE | BY |
|-----|---|----------|------|
| 6 | MODIFICATION TO BIKE LANE STRING | 05.16.23 | R.M. |
| 5 | IFR - DRAWING ISSUED FOR REVIEW | 05.19.23 | R.M. |
| 4 | IFR - DRAWING ISSUED FOR REVIEW | 05.31.23 | R.M. |
| 3 | IFR - DRAWING ISSUED FOR REVIEW | 05.31.23 | R.M. |
| 2 | IFR - DRAWING ISSUED FOR REVIEW | 05.31.23 | R.M. |
| 1 | IFR - DRAWING ISSUED FOR INFORMATION ONLY | 05.31.23 | R.M. |

BY: **ENGINEER OF RECORD**
PLANS PREPARED UNDER THE SUPERVISION OF
ROBERTO C. MARTINEZ
DATE: _____
R.C.E. NO. C-74475 REG. EXP. _____



DRAWN BY: **O.E.**
DESIGN BY: **O.E.**
CHECK BY: **R.M.**
PROJ. MGR: **R.M.**

VORTEX ENGINEERING
311 E. MARSH BLVD. SUITE 101
IMPERIAL, CA 92521
951-784-8438
VORTEXENGINEERING.COM
VORTEX@VORTEX.COM

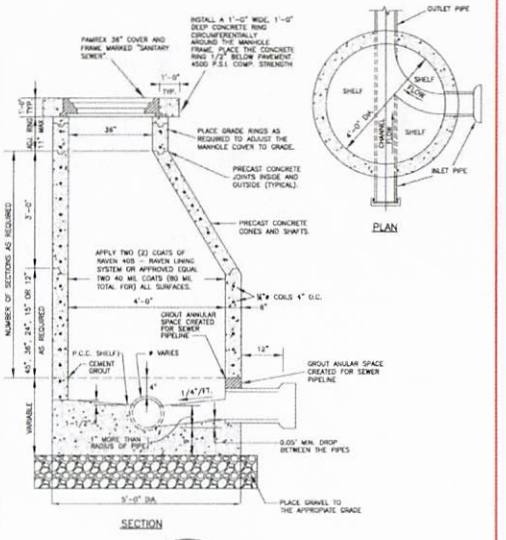
APPROVED BY DIRECTOR OF PUBLIC SERVICES DEPARTMENT
CITY OF IMPERIAL, CA
BY: **JACKIE LOPER** DATE: _____



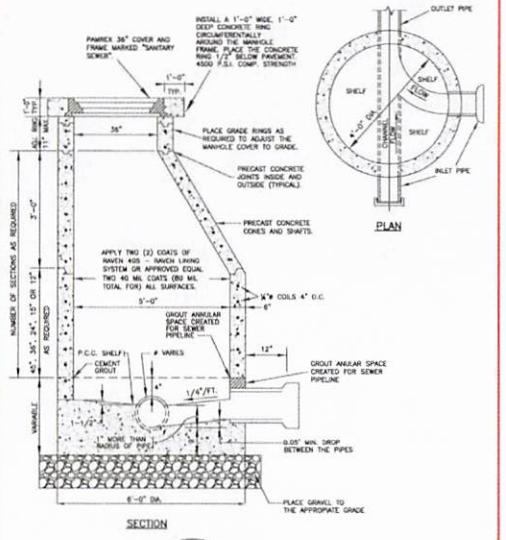
CITY OF IMPERIAL
IMPROVEMENT PLANS
ROADWAY PLAN SHEET 2
ATEN BOULEVARD REHABILITATION
BETWEEN WLORE WAY AND OLD SR-56
FEDERAL-AID PROJECT: 87801 5134927
WD

DRAWING NO: **RD-2**
PROJECT NO: _____
DATE: **10.6.2023**
SHEET NO: **7** OF **13**

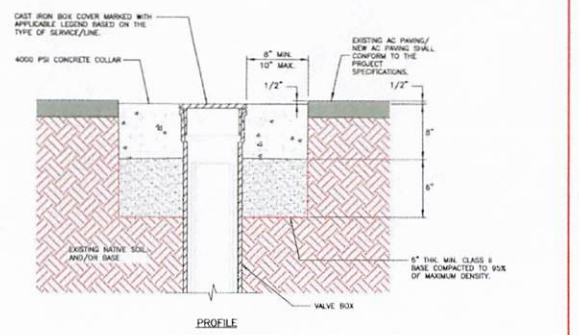
EXHIBIT 1



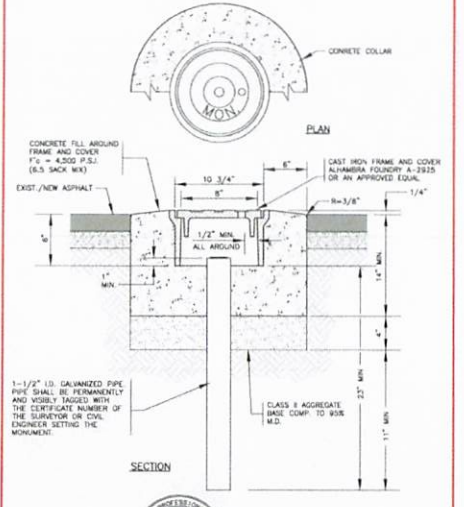
ECCENTRIC SEWER MANHOLE DETAIL
 SHEET OF 1
 IN THE CITY OF IMPERIAL, CALIFORNIA DATE: 01/10/20 CIVIL ENGINEER A.A. STA. DET. NO. 308 NOT TO SCALE REVISIONS: J.K. APPROVED: B.A.



ECCENTRIC STORMDRAIN MANHOLE DETAIL
 SHEET OF 1
 IN THE CITY OF IMPERIAL, CALIFORNIA DATE: 01/10/20 CIVIL ENGINEER A.A. STA. DET. NO. 309 NOT TO SCALE REVISIONS: J.K. APPROVED: B.A.



TYPICAL VALVE BOX CONCRETE COLLAR
 SHEET OF 2
 IN THE CITY OF IMPERIAL, CALIFORNIA DATE: 01/11/19 CIVIL ENGINEER A.A. STA. DET. NO. 308 NOT TO SCALE REVISIONS: J.K. APPROVED: B.A.



MONUMENT WELL DETAIL
 SHEET OF 1
 IN THE CITY OF IMPERIAL, CALIFORNIA DATE: 01/10/20 CIVIL ENGINEER A.A. STA. DET. NO. 310 NOT TO SCALE REVISIONS: J.K. APPROVED: B.A.

PRO-RING SIZES

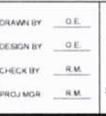
| ROUND RINGS 34" O.D. X 24" I.D. | | | ROUND RINGS 35" O.D. X 25" I.D. | | | ROUND RINGS 36" O.D. X 24" I.D. | | |
|---------------------------------|-----------|-------------|---------------------------------|-----------|-------------|---------------------------------|-----------|-------------|
| PART NUMBER | RING TYPE | RING HEIGHT | PART NUMBER | RING TYPE | RING HEIGHT | PART NUMBER | RING TYPE | RING HEIGHT |
| 34-24F-075 | FRESH | 3/4" | 35-25F-075 | FRESH | 3/4" | 36-24F-075 | FRESH | 3/4" |
| 34-24F-100 | FRESH | 1" | 35-25F-100 | FRESH | 1" | 36-24F-100 | FRESH | 1" |
| 34-24F-125 | FRESH | 1 1/4" | 35-25F-125 | FRESH | 1 1/4" | 36-24F-125 | FRESH | 1 1/4" |
| 34-24F-150 | FRESH | 1 1/2" | 35-25F-150 | FRESH | 1 1/2" | 36-24F-150 | FRESH | 1 1/2" |
| 34-24F-175 | FRESH | 1 3/4" | 35-25F-175 | FRESH | 1 3/4" | 36-24F-175 | FRESH | 1 3/4" |
| 34-24F-200 | FRESH | 2" | 35-25F-200 | FRESH | 2" | 36-24F-200 | FRESH | 2" |
| 34-24F-225 | FRESH | 2 1/4" | 35-25F-225 | FRESH | 2 1/4" | 36-24F-225 | FRESH | 2 1/4" |
| 34-24F-250 | FRESH | 2 1/2" | 35-25F-250 | FRESH | 2 1/2" | 36-24F-250 | FRESH | 2 1/2" |
| 34-24F-300 | FRESH | 3" | 35-25F-300 | FRESH | 3" | 36-24F-300 | FRESH | 3" |
| 34-24F-350 | FRESH | 3 1/2" | 35-25F-350 | FRESH | 3 1/2" | 36-24F-350 | FRESH | 3 1/2" |
| 34-24F-400 | FRESH | 4" | 35-25F-400 | FRESH | 4" | 36-24F-400 | FRESH | 4" |
| 34-24F-450 | FRESH | 4 1/2" | 35-25F-450 | FRESH | 4 1/2" | 36-24F-450 | FRESH | 4 1/2" |
| 34-24F-500 | FRESH | 5" | 35-25F-500 | FRESH | 5" | 36-24F-500 | FRESH | 5" |
| 34-24F-600 | FRESH | 6" | 35-25F-600 | FRESH | 6" | 36-24F-600 | FRESH | 6" |
| 34-24F-700 | FRESH | 7" | 35-25F-700 | FRESH | 7" | 36-24F-700 | FRESH | 7" |
| 34-24F-800 | FRESH | 8" | 35-25F-800 | FRESH | 8" | 36-24F-800 | FRESH | 8" |
| 34-24F-900 | FRESH | 9" | 35-25F-900 | FRESH | 9" | 36-24F-900 | FRESH | 9" |
| 34-24F-1000 | FRESH | 10" | 35-25F-1000 | FRESH | 10" | 36-24F-1000 | FRESH | 10" |
| 34-24F-1200 | FRESH | 12" | 35-25F-1200 | FRESH | 12" | 36-24F-1200 | FRESH | 12" |
| 34-24F-1400 | FRESH | 14" | 35-25F-1400 | FRESH | 14" | 36-24F-1400 | FRESH | 14" |
| 34-24F-1600 | FRESH | 16" | 35-25F-1600 | FRESH | 16" | 36-24F-1600 | FRESH | 16" |
| 34-24F-1800 | FRESH | 18" | 35-25F-1800 | FRESH | 18" | 36-24F-1800 | FRESH | 18" |
| 34-24F-2000 | FRESH | 20" | 35-25F-2000 | FRESH | 20" | 36-24F-2000 | FRESH | 20" |
| 34-24F-2200 | FRESH | 22" | 35-25F-2200 | FRESH | 22" | 36-24F-2200 | FRESH | 22" |
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| 34-24F-2600 | FRESH | 26" | 35-25F-2600 | FRESH | 26" | 36-24F-2600 | FRESH | 26" |
| 34-24F-2800 | FRESH | 28" | 35-25F-2800 | FRESH | 28" | 36-24F-2800 | FRESH | 28" |
| 34-24F-3000 | FRESH | 30" | 35-25F-3000 | FRESH | 30" | 36-24F-3000 | FRESH | 30" |
| 34-24F-3200 | FRESH | 32" | 35-25F-3200 | FRESH | 32" | 36-24F-3200 | FRESH | 32" |
| 34-24F-3400 | FRESH | 34" | 35-25F-3400 | FRESH | 34" | 36-24F-3400 | FRESH | 34" |
| 34-24F-3600 | FRESH | 36" | 35-25F-3600 | FRESH | 36" | 36-24F-3600 | FRESH | 36" |
| 34-24F-3800 | FRESH | 38" | 35-25F-3800 | FRESH | 38" | 36-24F-3800 | FRESH | 38" |
| 34-24F-4000 | FRESH | 40" | 35-25F-4000 | FRESH | 40" | 36-24F-4000 | FRESH | 40" |
| 34-24F-4200 | FRESH | 42" | 35-25F-4200 | FRESH | 42" | 36-24F-4200 | FRESH | 42" |
| 34-24F-4400 | FRESH | 44" | 35-25F-4400 | FRESH | 44" | 36-24F-4400 | FRESH | 44" |
| 34-24F-4600 | FRESH | 46" | 35-25F-4600 | FRESH | 46" | 36-24F-4600 | FRESH | 46" |
| 34-24F-4800 | FRESH | 48" | 35-25F-4800 | FRESH | 48" | 36-24F-4800 | FRESH | 48" |
| 34-24F-5000 | FRESH | 50" | 35-25F-5000 | FRESH | 50" | 36-24F-5000 | FRESH | 50" |
| 34-24F-5200 | FRESH | 52" | 35-25F-5200 | FRESH | 52" | 36-24F-5200 | FRESH | 52" |
| 34-24F-5400 | FRESH | 54" | 35-25F-5400 | FRESH | 54" | 36-24F-5400 | FRESH | 54" |
| 34-24F-5600 | FRESH | 56" | 35-25F-5600 | FRESH | 56" | 36-24F-5600 | FRESH | 56" |
| 34-24F-5800 | FRESH | 58" | 35-25F-5800 | FRESH | 58" | 36-24F-5800 | FRESH | 58" |
| 34-24F-6000 | FRESH | 60" | 35-25F-6000 | FRESH | 60" | 36-24F-6000 | FRESH | 60" |

| PART NUMBER | FINISH RING | FINISH RING | FINISH RING | |
|------------------|------------------|--------------|---------------|------|
| OUTER DIA. (IN.) | INNER DIA. (IN.) | HEIGHT (IN.) | WEIGHT (LBS.) | |
| 34-24F-075 | 34 | 24 | 0.75 | 1.20 |
| 34-24F-100 | 34 | 24 | 1.00 | 1.60 |
| 34-24F-125 | 34 | 24 | 1.25 | 2.20 |
| 34-24F-150 | 34 | 24 | 1.5 | 2.80 |
| 34-24F-175 | 34 | 24 | 1.75 | 3.10 |
| 34-24F-200 | 34 | 24 | 2 | 3.60 |
| 34-24F-225 | 34 | 24 | 2.25 | 4.10 |
| 34-24F-250 | 34 | 24 | 2.5 | 4.65 |
| 34-24F-300 | 34 | 24 | 3 | 5.20 |
| 34-24F-600 | 34 | 24 | 6 | 9.9 |

FILE NAME: P1781.DWG



BY ENGINEER OF RECORD
 PLANS PREPARED UNDER THE SUPERVISION OF
ROBERTO C. MARTINEZ DATE _____
 N.C.E. NO. C-74475 REG. EXP. _____



DRAWN BY O.E.
DESIGN BY O.E.
CHECK BY R.M.
PROJ. MGR. R.M.
VEXER ENGINEERING
 312 E. BARDON BLVD. VEE@VEXERENGINEERING.COM
 IMPERIAL, CA 92341 (760) 934-9222

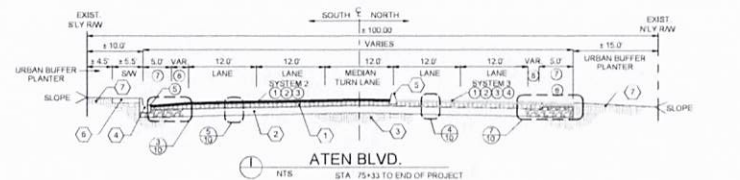
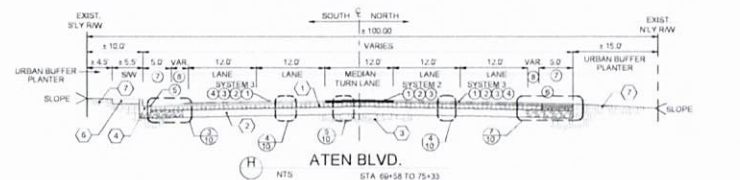
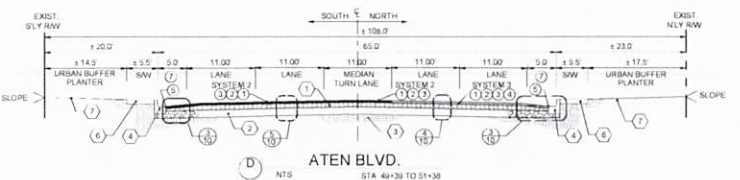
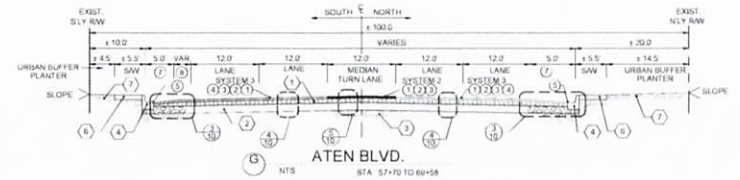
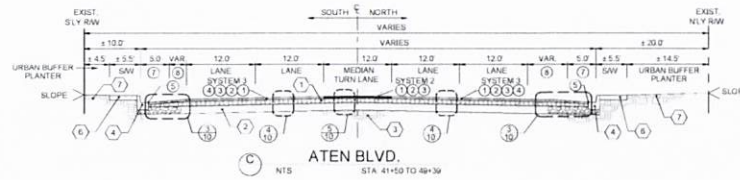
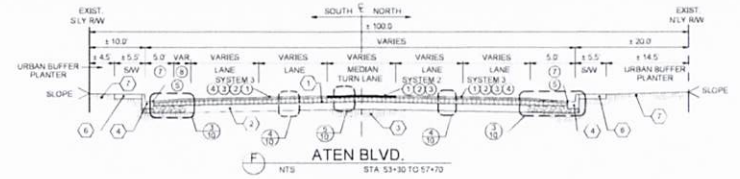
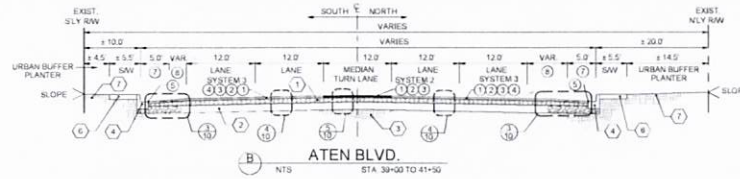
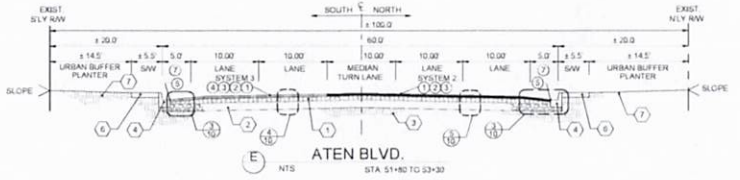
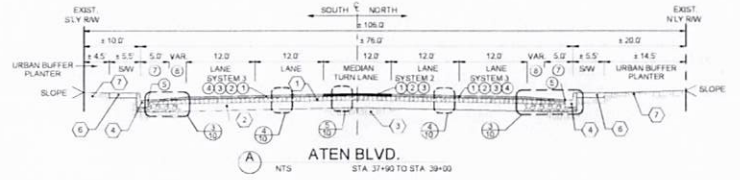
APPROVED BY DIRECTOR OF PUBLIC SERVICES DEPARTMENT
 CITY OF IMPERIAL, CA.
BY JACKIE LOPER DATE _____



CITY OF IMPERIAL
 IMPROVEMENT PLANS
ROADWAY MISCELLANEOUS DETAILS PLAN
 ATEN BOULEVARD REHABILITATION
 BETWEEN VELOSO WAY AND OLD SR-66
 FEDERAL-AID PROJECT #780L 51340277

DRAWING NO. **RD-3**
 PROJECT NO. _____
 DATE 10.6.2023
 SHEET NO. **8** OF 13

EXHIBIT 1



- GENERAL NOTES**
- NO UNDERGROUND UTILITIES ARE SHOWN IN THE DRAWING
 - NO AERIAL FACILITIES ARE SHOWN IN THIS DRAWING
 - ALL THE DISTANCES AREA APPROXIMATE.
 - ALL DISTANCES ARE IN FEET.
 - CONSULT CALTRANS 2022 STD PLANS

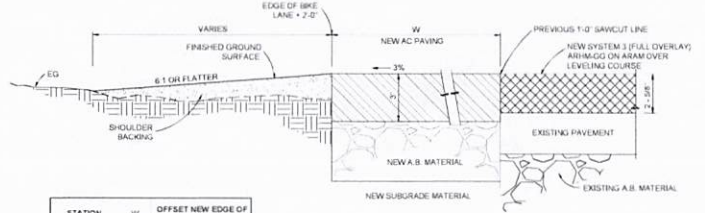
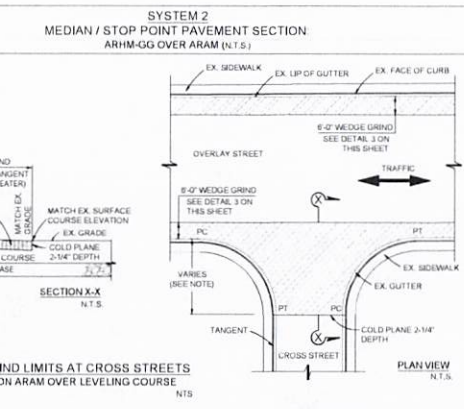
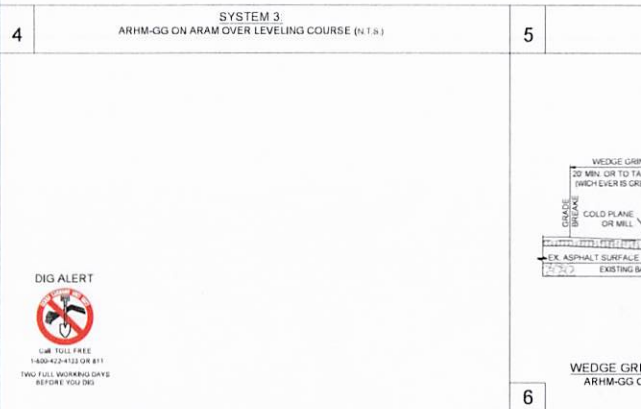
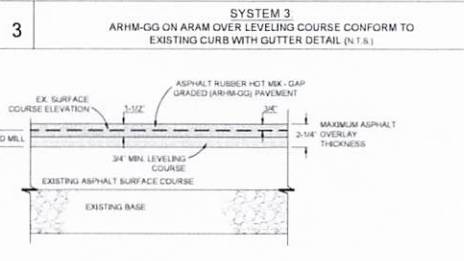
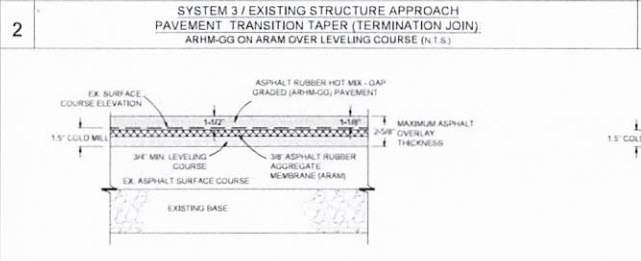
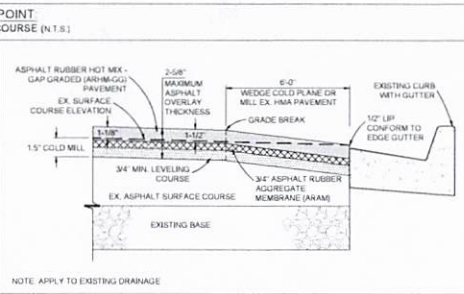
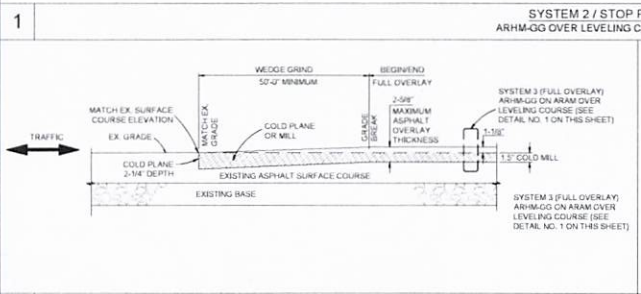
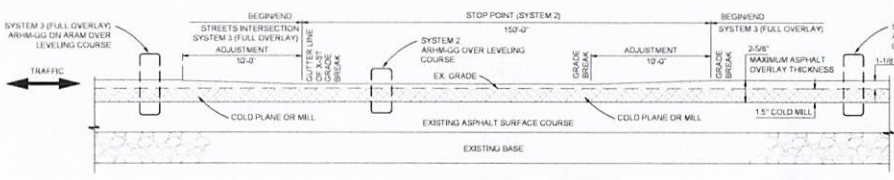
- EXISTING COMPONENTS OF THE CROSS SECTIONS**
- EXISTING ASPHALT CONCRETE COURSE TO BE GRINDED
 - EXISTING AGGREGATE BASE COURSE
 - EXISTING SUB-BASE COURSE OR SUBGRADE
 - EXISTING P.C.C. CURBS & GUTTER
 - EXISTING P.C.C. CURB
 - EXISTING P.C.C. SIDEWALK
 - EXISTING NATIVE SOIL

- CONSTRUCTION KEYNOTES**
- 1.5" COLD MILL
 - 3/4" LEVELING COURSE
 - 1 1/2" ARWING (G/T)
 - 3/8 ANAM
 - 1/2" LP
 - CONSTRUCT PAVEMENT EDGE TREATMENT PER CALTRANS P75 CASE A STD
 - CONSTRUCT BIKE LANE
 - STREET BUFFER



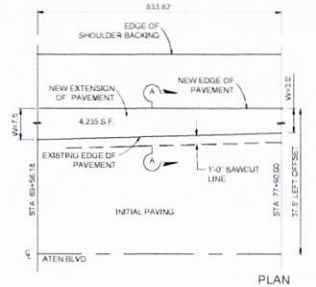
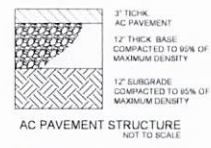
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|---|------|------------------------------------|------------|---|--------------------|----|--------------------|--|---|---------------------------------|------|------|---------|---|--|--|--|---|---------------------------------|------|------|---------|--|--|--|--|---|---------------------------------|------|------|---------|--|--|--|--|---|---------------------------------|------|------|---------|--|--|--|--|---|---|------|------|---------|--|--|--|--|------|----|------|------|------------|---------|-----------|--|--|--|----------|------|-----------|------|----------|------|----------|------|---|---|---|---|
| FILE NAME, DATE, & DATE | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">6</td> <td style="width: 15%;">MODIFICATION TO BIKE LANE STRIPING</td> <td style="width: 5%;">O.E.</td> <td style="width: 5%;">R.M.</td> <td style="width: 10%;">10.6.23</td> <td style="width: 10%;">BY</td> <td style="width: 30%;">ENGINEER OF RECORD</td> <td style="width: 20%;"></td> </tr> <tr> <td>5</td> <td>IFR - DRAWING ISSUED FOR REVIEW</td> <td>O.E.</td> <td>R.M.</td> <td>8.19.23</td> <td colspan="3">PLANS PREPARED UNDER THE SUPERVISION OF</td> <td></td> </tr> <tr> <td>4</td> <td>IFR - DRAWING ISSUED FOR REVIEW</td> <td>O.E.</td> <td>R.M.</td> <td>5.31.23</td> <td colspan="3"></td> <td></td> </tr> <tr> <td>3</td> <td>IFR - DRAWING ISSUED FOR REVIEW</td> <td>O.E.</td> <td>R.M.</td> <td>3.19.23</td> <td colspan="3"></td> <td></td> </tr> <tr> <td>2</td> <td>IFR - DRAWING ISSUED FOR REVIEW</td> <td>O.E.</td> <td>R.M.</td> <td>2.27.23</td> <td colspan="3"></td> <td></td> </tr> <tr> <td>1</td> <td>IFR - DRAWING ISSUED FOR INFORMATION ONLY</td> <td>O.E.</td> <td>R.M.</td> <td>2.21.23</td> <td colspan="3"></td> <td></td> </tr> <tr> <td>MARK</td> <td>BY</td> <td>APP.</td> <td>DATE</td> <td>R.C.E. NO.</td> <td>C-74475</td> <td>REG. EXP.</td> <td></td> </tr> </table> | 6 | MODIFICATION TO BIKE LANE STRIPING | O.E. | R.M. | 10.6.23 | BY | ENGINEER OF RECORD | | 5 | IFR - DRAWING ISSUED FOR REVIEW | O.E. | R.M. | 8.19.23 | PLANS PREPARED UNDER THE SUPERVISION OF | | | | 4 | IFR - DRAWING ISSUED FOR REVIEW | O.E. | R.M. | 5.31.23 | | | | | 3 | IFR - DRAWING ISSUED FOR REVIEW | O.E. | R.M. | 3.19.23 | | | | | 2 | IFR - DRAWING ISSUED FOR REVIEW | O.E. | R.M. | 2.27.23 | | | | | 1 | IFR - DRAWING ISSUED FOR INFORMATION ONLY | O.E. | R.M. | 2.21.23 | | | | | MARK | BY | APP. | DATE | R.C.E. NO. | C-74475 | REG. EXP. | | | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">DRAWN BY</td> <td style="width: 50%;">O.E.</td> </tr> <tr> <td>DESIGN BY</td> <td>O.E.</td> </tr> <tr> <td>CHECK BY</td> <td>R.M.</td> </tr> <tr> <td>PROJ MGR</td> <td>R.M.</td> </tr> </table> | DRAWN BY | O.E. | DESIGN BY | O.E. | CHECK BY | R.M. | PROJ MGR | R.M. | <p style="font-size: 8px;">312 E. BARDEN BLVD. IMPERIAL, CA 92521 PROJ 199-8228</p> <p style="font-size: 8px;">VORTEXENGINEERING.COM 951-942-0644</p> | <p>APPROVED BY DIRECTOR OF PUBLIC SERVICES DEPARTMENT CITY OF IMPERIAL, CA</p> <p>BY JACKIE LOPER DATE _____</p> | <p style="font-size: 8px;">CITY OF IMPERIAL IMPROVEMENT PLANS PROPOSED ROADWAY X-SECTIONS PLAN ATEN BOULEVARD REHABILITATION BETWEEN WIGORE WAY AND OLD SR 66 FEDERAL AID PROJECT #TIGL 5134(227)</p> | <p>DRAWING NO. RS-1</p> <p>PROJECT NO. _____</p> <p>DATE 10.6.2023</p> <p>SHEET NO. 9 OF 13</p> |
| 6 | MODIFICATION TO BIKE LANE STRIPING | O.E. | R.M. | 10.6.23 | BY | ENGINEER OF RECORD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | IFR - DRAWING ISSUED FOR REVIEW | O.E. | R.M. | 8.19.23 | PLANS PREPARED UNDER THE SUPERVISION OF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | IFR - DRAWING ISSUED FOR REVIEW | O.E. | R.M. | 5.31.23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | IFR - DRAWING ISSUED FOR REVIEW | O.E. | R.M. | 3.19.23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | IFR - DRAWING ISSUED FOR REVIEW | O.E. | R.M. | 2.27.23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | IFR - DRAWING ISSUED FOR INFORMATION ONLY | O.E. | R.M. | 2.21.23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MARK | BY | APP. | DATE | R.C.E. NO. | C-74475 | REG. EXP. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DRAWN BY | O.E. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESIGN BY | O.E. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHECK BY | R.M. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PROJ MGR | R.M. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

EXHIBIT 1



| STATION | W | OFFSET NEW EDGE OF PAVEMENT |
|--------------|------|-----------------------------|
| STA 70+72.40 | 7.5' | 37.5' LF |
| STA 70+11.40 | 6.5' | 37.5' LF |
| STA 74+05.15 | 3.0' | 37.5' LF |
| STA 75+51.10 | 3.0' | 37.5' LF |
| STA 76+45.40 | 3.0' | 37.5' LF |

SECTION A-A



PLAN

7

PAVEMENT EDGE TREATMENTS - OVERLAYS
BETWEEN STA. 60+56.18 TO STA. 75+50.00 (N.T.S.)



FILE NAME: PATH - & DATE

| MARK | BY | APP. | DATE | R.C.E. NO. | C-74475 | REG. EXP. |
|------|---|------|------|------------|---------|-----------|
| 8 | MODIFICATION TO BIKE LANE STRIPING | O.E. | R.M. | 10.6.23 | | |
| 5 | IFR - DRAWING ISSUED FOR REVIEW | O.E. | R.M. | 6.18.23 | | |
| 4 | IFR - DRAWING ISSUED FOR REVIEW | O.E. | R.M. | 5.31.23 | | |
| 3 | IFR - DRAWING ISSUED FOR REVIEW | O.E. | R.M. | 3.19.23 | | |
| 2 | IFR - DRAWING ISSUED FOR REVIEW | O.E. | R.M. | 2.27.23 | | |
| 1 | IFR - DRAWING ISSUED FOR INFORMATION ONLY | O.E. | R.M. | 2.21.23 | | |

ENGINEER OF RECORD

PLANS PREPARED UNDER THE SUPERVISION OF

BY: ROBERTO C. MARTINEZ DATE: _____

R.C.E. NO. C-74475 REG. EXP. _____

VEYER ENGINEERING

110 E. BARDEN BLVD. VEEYER@VEYERENGINEERING.COM
IMPERIAL, CA 92521 VEEYER-ENGINEERING.COM

APPROVED BY DIRECTOR OF PUBLIC SERVICES DEPARTMENT
CITY OF IMPERIAL, CA

BY: JACKIE LOPER DATE: _____



CITY OF IMPERIAL
IMPROVEMENT PLANS
ROADWAY DETAILS PLAN

ATEN BOULEVARD REHABILITATION
BETWEEN BLVD. AND OLD BLVD.
FEDERAL AID PROJECT STIGL 5134027

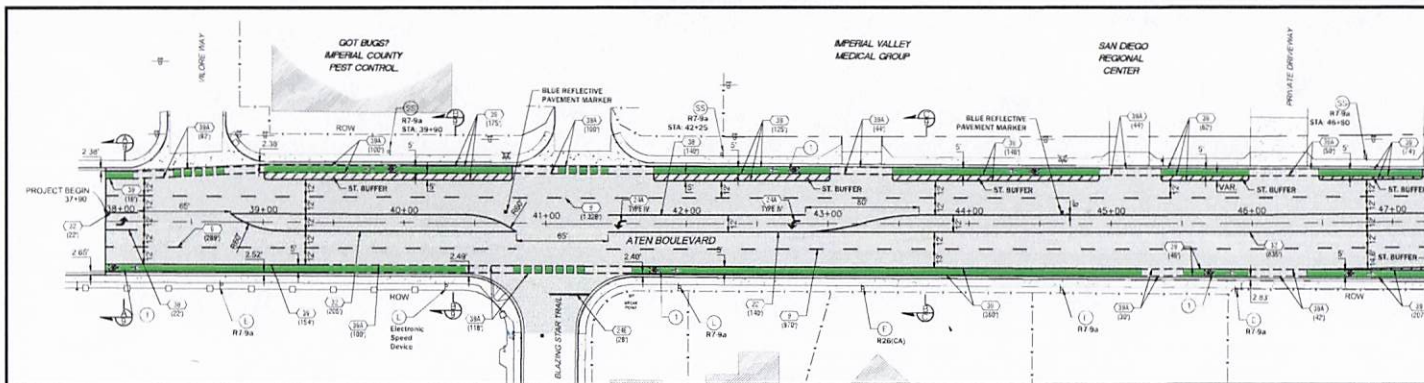
DRAWING NO. **RS-1**
PROJECT NO. _____
DATE: 10.6.2023
SHEET NO. **10** OF 13

EXHIBIT 1

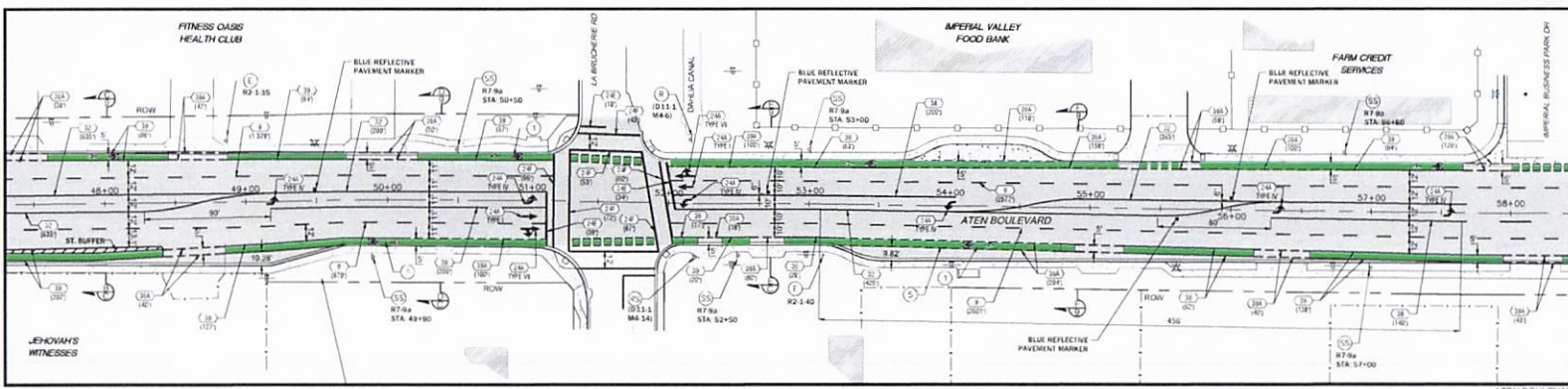
- LEGEND**
- (S) STRIPING DETAIL NO.
 - (A) THERMOPLASTIC TYPE IV ARROW PAVEMENT MARKING
 - (B) THERMOPLASTIC TYPE I ARROW PAVEMENT MARKING
 - (C) THERMOPLASTIC TYPE VII ARROW PAVEMENT MARKING
 - (H) EXISTING HYDRANT
 - (IS) INSTALL SIGN - STRAP AND SADDLE BRACKET METHOD PER CALTRANS STD. PLAN 854
 - (RS) REMOVE ROADSIDE SIGN AND POST

STRIPING GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL CONFORM WITH THE CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD), 2014 EDITION AND 2018 STANDARD PLAN AND SPECIFICATIONS.
2. ALL TEMPORARY STRIPING AND MARKINGS SHALL BE TEMPORARY TRAFFIC STRIPE (PAINT) AND SHALL CONFORM TO CALTRANS STANDARD PLANS. EXACT LOCATIONS OF TEMPORARY STRIPING, MARKINGS AND SIGNS SHALL BE DETERMINED BY THE CITY ENGINEER.
3. THE CONTRACTOR SHALL REMOVE ALL CONFLICTING STRIPING AND PAVEMENT MARKINGS BY WET SANDBLASTING OR AS DIRECTED BY THE CITY ENGINEER.
4. THE CONTRACTOR SHALL HAVE ALL TEMPORARY DELIMITORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
5. FOR MID-DAY WORK (9:00am-3:00pm) OR SHORT TERM LANE CLOSURES, TRAFFIC CONTROL SHALL COMPLY WITH 2014 EDITION OF CA MUTCD
6. REMOVE ALL CONFLICTING STRIPING.



47+30 MATCHLINE
SEE PLAN VIEW BELOW



47+30 MATCHLINE
SEE PLAN VIEW ABOVE

58+50 MATCHLINE
SEE DWG NO 12 OF 13

SIGNAGE KEYNOTES

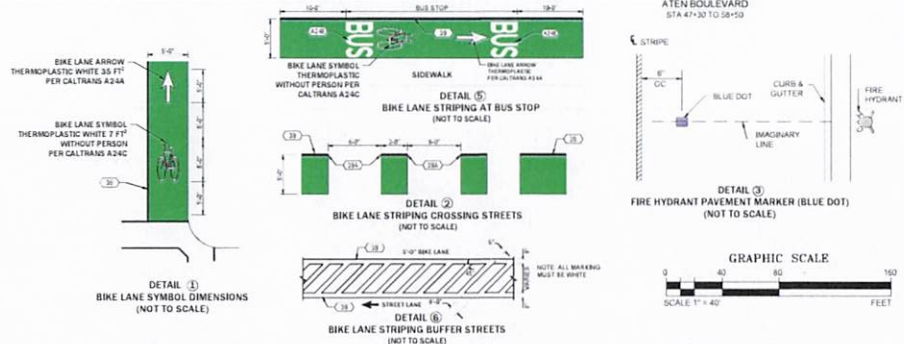
| SIGN CODE | SIGN DESCRIPTION | STATION | OFFSET | X | Y | POST MATERIAL | POST SIZE |
|-----------|-----------------------------|-----------|---------|-----|-----|---------------|-----------|
| R7-9a | NO PARKING / BIKE LANE SIGN | STA 39+00 | 48.5 LF | 12" | 18" | STEEL | 2'1" x 2' |
| R7-9a | NO PARKING / BIKE LANE SIGN | STA 42+25 | 48.5 LF | 12" | 18" | STEEL | 2'1" x 2' |
| R7-9a | NO PARKING / BIKE LANE SIGN | STA 46+00 | 44.9 LF | 12" | 18" | STEEL | 2'1" x 2' |
| R7-9a | NO PARKING / BIKE LANE SIGN | STA 49+00 | 38.9 LF | 12" | 18" | STEEL | 2'1" x 2' |
| R7-9a | NO PARKING / BIKE LANE SIGN | STA 50+50 | 34.0 LF | 12" | 18" | STEEL | 2'1" x 2' |
| R7-9a | NO PARKING / BIKE LANE SIGN | STA 52+50 | 34.6 LF | 12" | 18" | STEEL | 2'1" x 2' |
| R7-9a | NO PARKING / BIKE LANE SIGN | STA 53+00 | 37.1 LF | 12" | 18" | STEEL | 2'1" x 2' |
| R7-9a | NO PARKING / BIKE LANE SIGN | STA 56+00 | 40.9 LF | 12" | 18" | STEEL | 2'1" x 2' |
| R7-9a | NO PARKING / BIKE LANE SIGN | STA 57+00 | 37.0 LF | 12" | 18" | STEEL | 2'1" x 2' |

SIGNING & BLUE DOT NOTES:

1. STATION AND OFFSET PROVIDED FOR SIGNS ARE TO THE SIGN CENTERLINE.
2. STREET SIGN SHALL BE INSTALLED TO ALLOW 7' CLEARANCE FROM THE BOTTOM EDGE OF THE LOWEST SIGN TO FINISHED GRADE UNLESS OTHERWISE NOTED.
3. ALL SIGNS SHALL BE 3/8" ENGINEER GRADE REFLECTIVE ALUMINUM.
4. THE REFLECTIVE SIDE SHALL FACE THE FLOW OF TRAFFIC.
5. THE 'BLUE DOT' SHALL BE IN LINE WITH THE FIRE HYDRANT, EXCEPT WHERE TWO (2) DOTS ARE USED FOR INTERSECTION.
6. A BLUE REFLECTIVE MARKER WILL BE PLACED 6" FROM THE CENTER OF THE PAINTED LINES AS PER PLACEMENT STD. RW11-408-05 OR RW11-408-06 AS APPLICABLE. IF NO TRAFFIC LINE EXISTS, PLACE BLUE DOT 6" FROM CENTER OF THE STREET ON THE FIRE HYDRANT SIDE. (SEE STANDARD PLACEMENT DETAIL HEREIN).
7. THE 'BLUE DOT' SHALL BE APPLIED USING HOT MELT BITUMINOUS ADHESIVE. THE MARKER SHALL BE APPLIED TO A 6" DIA. DRY FINE STREET AND ENOUGH ADHESIVE SHALL BE APPLIED SO THAT SOME ADHESIVE Oozes OUT AROUND THE EDGES OF THE 'BLUE DOT'.

PAVEMENT MARKING AND STRIPING KEYNOTES

- (1) PAINT THERMOPLASTIC 4" BROKEN WHITE LINE PER CALTRANS A20A, DETAIL 9
- (2) PAINT THERMOPLASTIC WHITE TYPE I (10'-0"), TYPE IV (L) OR TYPE VII (L) ARROWS PER CALTRANS STANDARD PLAN A24A
- (3) INSTALL PAVEMENT MARKINGS WORDS WHITE THERMOPLASTIC PER CALTRANS A24E
- (4) PAINT THERMOPLASTIC 1'-0" WHITE BASIC TYPE LINE PER CALTRANS STANDARD PLAN A24F.
- (5) PAINT THERMOPLASTIC 4" SOLID YELLOW LINE PER CALTRANS 20A, DETAIL 25A
- (6) PAINT THERMOPLASTIC 4" DOUBLE SOLID YELLOW LINE PER CALTRANS A20B, DETAIL 32
- (7) PAINT THERMOPLASTIC 8" SOLID WHITE LINE PER CALTRANS A20D, DETAIL 38
- (8) PAINT THERMOPLASTIC 6" SOLID WHITE LINE BIKE LANE PER CALTRANS A20D, DETAIL 39
- (9) PAINT THERMOPLASTIC 6" BROWN WHITE LINE BIKE LANE INTERSECTION LINE PER CALTRANS A20D, DETAIL 39A
- (10) INSTALL BLUE REFLECTIVE FIRE HYDRANT PAVEMENT MARKER PER FIGURE 3B-102A, 2014 CALIFORNIA MUTCD
- (11) SOLID GREEN COLORED PAVEMENT. ALL GREEN COLORED PAVEMENT SHOULD COMPLY WITH FHWA INTERIM APPROVAL FOR OPTIONAL USE OF GREEN COLORED PAVEMENT BIKE LANES (A-14)



DIG ALERT

CALL TOLL FREE
1-800-421-4112 OR 811
TWO FULL WORKING DAYS
BEFORE YOU DIG

DATE: 10/6/2023

| NO. | DESCRIPTION | DATE | BY |
|-----|---|---------|------|
| 8 | MODIFICATION TO BIKE LANE STRIPING | 10/6/23 | O.E. |
| 4 | IFR - DRAWING ISSUED FOR REVIEW | 6/19/23 | O.E. |
| 5 | IFR - DRAWING ISSUED FOR REVIEW | 5/31/23 | O.E. |
| 3 | IFR - DRAWING ISSUED FOR REVIEW | 3/19/23 | O.E. |
| 2 | IFR - DRAWING ISSUED FOR REVIEW | 2/27/23 | O.E. |
| 1 | IFR - DRAWING ISSUED FOR INFORMATION ONLY | 2/21/23 | O.E. |

BY **ENGINEER OF RECORD**
PLANS PREPARED UNDER THE SUPERVISION OF
ROBERTO C. MARTINEZ DATE



DRAWN BY **O.E.**
DESIGN BY **O.E.**
CHECK BY **R.M.**
PROJ MGR **R.M.**
VIXER ENGINEERING
312 E. BARRON BLVD.
IMPERIAL, CA 92521
(760) 534-9128
VIXERENGINEERING.COM
VIXER@VIXERENGINEERING.COM

APPROVED BY DIRECTOR OF PUBLIC SERVICES DEPARTMENT
CITY OF IMPERIAL, CA
BY **JACKIE LOPER** DATE

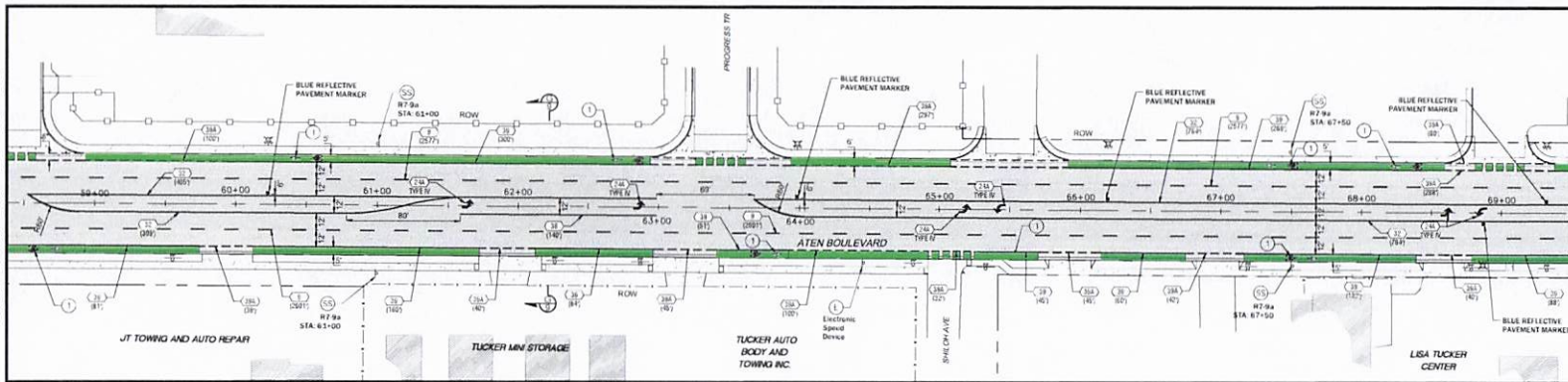


CITY OF IMPERIAL
IMPROVEMENT PLANS
SIGNING AND STRIPING PLAN
SHEET 1
ATEN BOULEVARD REHABILITATION
BETWEEN VILGORE WAY AND OLD SR-66
FEDERAL AID PROJECT: 518GL 518A0275
W/C

DRAWING NO. **CH-1**
PROJECT NO.
DATE **10/6/2023**
SHEET NO. **11** OF **13**

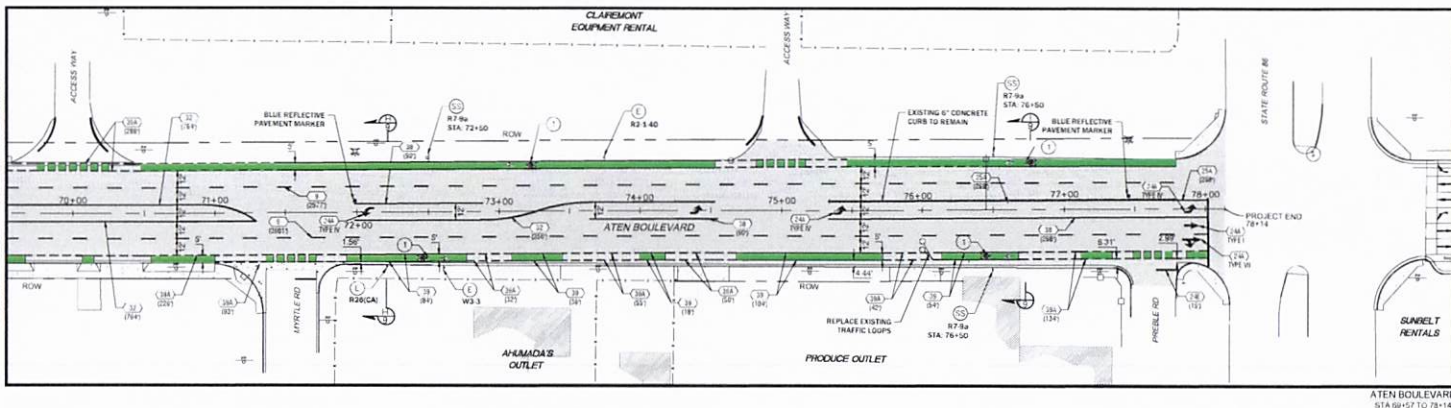
EXHIBIT 1

58+50 MATCHLINE
SEE DWG NO 11 OF 13



69+57 MATCHLINE
SEE PLAN VIEW BELOW

69+57 MATCHLINE
SEE PLAN VIEW ABOVE



- ### LEGEND
- STRIPING DETAIL NO.
 - THERMOPLASTIC TYPE N ARROW PAVEMENT MARKING
 - THERMOPLASTIC TYPE V ARROW PAVEMENT MARKING
 - EXISTING HYDRANT

- ### STRIPING GENERAL NOTES
- ALL WORK AND MATERIALS SHALL CONFORM WITH THE CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD), 2014 EDITION AND 2018 STANDARD PLAN AND SPECIFICATIONS.
 - ALL TEMPORARY STRIPING AND MARKINGS SHALL BE TEMPORARY TRAFFIC STRIPING (TAPS) AND SHALL CONFORM TO CALTRANS STANDARD PLANS. EXACT LOCATIONS OF TEMPORARY STRIPING, MARKINGS AND SIGNS SHALL BE DETERMINED BY THE CITY ENGINEER.
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 - REMOVE ALL CONFLICTING STRIPING.

SIGNAGE KEYNOTES

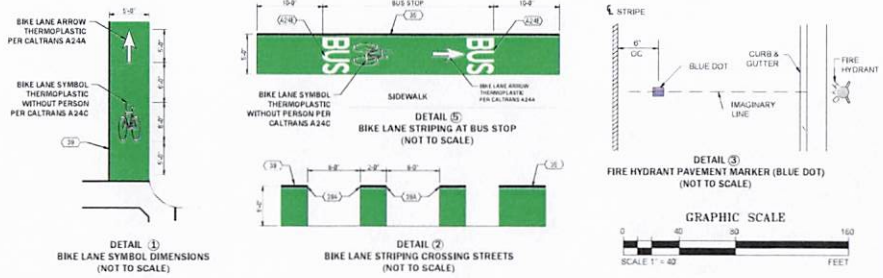
| SIGN CODE | SIGN DESCRIPTION | STATION | OFFSET | X | Y | POST MATERIAL | POST SIZE |
|-----------|-----------------------------|-----------|---------|-----|-----|---------------|-------------|
| R7-9a | NO PARKING / BIKE LANE SIGN | STA 61+00 | 43.9 LF | 12" | 18" | STEEL | 2" x 2 1/2" |
| R7-9a | NO PARKING / BIKE LANE SIGN | STA 61+00 | 46.7 LF | 12" | 18" | STEEL | 2" x 2 1/2" |
| R7-9a | NO PARKING / BIKE LANE SIGN | STA 67+50 | 40.1 LF | 12" | 18" | STEEL | 2" x 2 1/2" |
| R7-9a | NO PARKING / BIKE LANE SIGN | STA 67+50 | 36.0 LF | 12" | 18" | STEEL | 2" x 2 1/2" |
| R7-9a | NO PARKING / BIKE LANE SIGN | STA 72+50 | 38.5 LF | 12" | 18" | STEEL | 2" x 2 1/2" |
| R7-9a | NO PARKING / BIKE LANE SIGN | STA 76+00 | 41.5 LF | 12" | 18" | STEEL | 2" x 2 1/2" |

SIGNING & BLUE DOT NOTES:

- STATION AND OFFSET PROVIDED FOR SIGNS ARE TO THE SIGN CENTERLINE.
- STREET SIGNS SHALL BE INSTALLED TO ALLOW 7' CLEARANCE FROM THE BOTTOM EDGE OF THE LOWEST SIGN TO FINISHED GRADE UNLESS OTHERWISE NOTED.
- ALL SIGNS SHALL BE 3M ENGINEER GRADE REFLECTIVE ALUMINUM.
- THE REFLECTIVE SIDE SHALL FACE THE FLOW OF TRAFFIC.
- THE BLUE DOT SHALL BE IN LINE WITH THE FIRE HYDRANT, EXCEPT WHERE TWO (2) DOTS ARE USED FOR INTERSECTIONS.
- A BLUE REFLECTIVE MARKER WILL BE PLACED 6" FROM THE CENTER OF THE PAINTED LINES AS PER PLACEMENT STD W114-4-80-D OR W114-4-80-C AS APPLICABLE. IF NO TRAFFIC LINE EXIST, PLACE BLUE DOT 6" FROM CENTER OF THE STREET ON THE FIRE HYDRANT SIDE. SEE STANDARD PLACEMENT DETAIL H169-2A.
- THE BLUE DOT SHALL BE APPLIED USING HOT MELT BITUMINOUS ADHESIVE. THE MARKER SHALL BE APPLIED TO A DRY, DIRT FREE STREET AND ENOUGH ADHESIVE SHALL BE APPLIED SO THAT SOME ADHESIVE OVERTS OUT AROUND THE EDGES OF THE BLUE DOT.

PAVEMENT MARKING AND STRIPING KEYNOTES

- PAINT THERMOPLASTIC 4" BROKEN WHITE LINE PER CALTRANS A20A, DETAIL 9.
- PAINT THERMOPLASTIC WHITE TYPE I (10'-0" TYPE IV (L) OR TYPE VII (L) ARROWS PER CALTRANS STANDARD PLAN A24A.
- INSTALL PAVEMENT MARKINGS WORDS THERMOPLASTIC PER CALTRANS A24E.
- PAINT THERMOPLASTIC 1'-0" WHITE BASIC TYPE LINE PER CALTRANS STANDARD PLAN A24F.
- PAINT THERMOPLASTIC 4" SOLID YELLOW LINE PER CALTRANS 20A, DETAIL 25A.
- PAINT THERMOPLASTIC 4" DOUBLE SOLID YELLOW LINE PER CALTRANS A20B, DETAIL 32.
- PAINT THERMOPLASTIC 8" SOLID WHITE LINE PER CALTRANS A20D, DETAIL 38.
- PAINT THERMOPLASTIC 8" SOLID WHITE LINE BIKE LANE PER CALTRANS A20D, DETAIL 39.
- PAINT THERMOPLASTIC 6" BROKEN WHITE LINE BIKE LANE INTERSECTION LINE PER CALTRANS A20D, DETAIL 39A.
- INSTALL BLUE REFLECTIVE FIRE HYDRANT PAVEMENT MARKER PER FIGURE 3B-302A, 2014 CALIFORNIA MUTCD.
- SOLID GREEN COLORED PAVEMENT. ALL GREEN COLORED PAVEMENT SHOULD COMPLY WITH FHWA INTERIM APPROVAL FOR OPTIONAL USE OF GREEN COLORED PAVEMENT BIKE LANES (A-14).



| NO. | DESCRIPTION | O.E. | R.M. | DATE | BY |
|-----|---|------|------|---------|---|
| 6 | MODIFICATION TO BIKE LANE STRIPING | | | 10.6.23 | ENGINEER OF RECORD |
| 5 | RFR - DRAWING ISSUED FOR REVIEW | | | 6.19.23 | PLANS PREPARED UNDER THE SUPERVISION OF |
| 4 | RFR - DRAWING ISSUED FOR REVIEW | | | 5.31.23 | |
| 3 | RFR - DRAWING ISSUED FOR REVIEW | | | 3.19.23 | |
| 2 | RFR - DRAWING ISSUED FOR REVIEW | | | 2.27.23 | |
| 1 | RFR - DRAWING ISSUED FOR INFORMATION ONLY | | | 2.21.23 | |

SEAL

ROBERTO C. MARTINEZ
DATE: _____
REG. EXP: _____

DRAWN BY: O.E.
DESIGN BY: O.E.
CHECK BY: R.M.
PROJ MGR: R.M.

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APPROVED BY DIRECTOR OF PUBLIC SERVICES DEPARTMENT
CITY OF IMPERIAL, CA

BY: JACKIE LOPER
DATE: _____



CITY OF IMPERIAL
IMPROVEMENT PLANS
SIGNING AND STRIPING PLAN
SHEET 2
ATEN BOULEVARD REHABILITATION
BETWEEN VALDEZ WAY AND OLD SR-96
FEDERAL AID PROJECT #190151402(27)

DRAWING NO: CH-2
PROJECT NO: _____
DATE: 10.6.2023
SHEET NO: 12 OF 13

EXHIBIT 1

1. SWPPP ELEMENTS AND BMPs

THE FOLLOWING ARE THE REQUIRED STORMWATER POLLUTION PREVENTION PLAN (SWPPP) ELEMENTS AND BEST MANAGEMENT PRACTICES (BMPs) USED TO MEET MINIMUM REQUIREMENT # 2 OF THE CALIFORNIA STATE DEPARTMENT OF STORM WATER, STORMWATER MANAGEMENT MANUAL FOR CALIFORNIA FOR THIS PROJECT. ADDITIONAL BMPs MAY BE NECESSARY AS INDICATED BY GENERAL NOTE #4.

| | |
|------------------|---|
| ELEMENT 1 | EROSION CONTROL BMP EC-1 SCHEDULING |
| ELEMENT 2 | TEMPORARY SEDIMENT CONTROL BMP SE-1 SALT FENCE BMP SE-6 GRAVEL BAG BERM |
| ELEMENT 3 | WIND EROSION CONTROL BMP WE-1 WIND EROSION CONTROL |
| ELEMENT 4 | TRACKING CONTROL BMP TR-1 STABILIZED CONSTRUCTION ENTRANCE/EXIT BMP TR-3 ENTRANCE-OUTLET TIRE WASH |
| ELEMENT 5 | NON STORM-WATER MANAGEMENT BMP NS-1 WATER CONSERVATION PRACTICES BMP NS-3 PAVING AND GRADING OPERATIONS BMP NS-4 ELICIT CONNECTIONS/CHARGE BMP NS-8 VEHICLE AND EQUIPMENT CLEANING BMP NS-12 CONCRETE CURING BMP NS-13 CONCRETE FINISHING |
| ELEMENT 6 | WASTE MANAGEMENT & MATERIALS POLLUTION CONTROL BMP WM-1 MATERIAL DELIVERY AND STORAGE BMP WM-2 MATERIAL USE BMP WM-3 STOCKPILE MANAGEMENT BMP WM-4 SPILL PREVENTION AND CONTROL BMP WM-5 SOLIDS WASTE MANAGEMENT BMP WM-8 CONCRETE WASTE MANAGEMENT BMP WM-9 SANITARY/SEPTIC WASTE MANAGEMENT |

THE CONSTRUCTION SEQUENCE NOTES

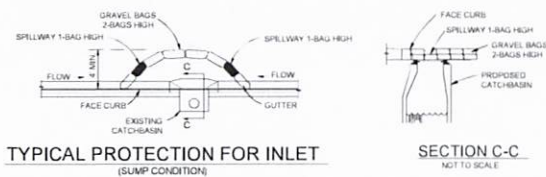
EROSION AND SEDIMENT RECOMMENDED CONSTRUCTION SEQUENCE

- PRE-CONSTRUCTION MEETING
- FLAG OR FENCE CLEARING LIMITS
- GRADE AND INSTALL CONSTRUCTION ENTRANCES
- INSTALL PERIMETER PROTECTION (SILT FENCE, HIGH VISIBILITY FENCING, ETC.)
- GRADE AND STABILIZE CONSTRUCTION ROADS
- CLEANING AND GRADING FOR PROJECT DEVELOPMENT
- MAINTAIN EROSION CONTROL MEASURES (SEE GENERAL NOTES)
- RELOCATE EROSION CONTROL MEASURES OR INSTALL NEW MEASURES AS NEEDED (SEE GENERAL NOTES)
- STABILIZE/COVER ALL AREAS THAT WILL BE UNWORKED OR HAVE REACHED FINAL GRADE (SEE GENERAL NOTES)
- ALL DISTURBED AREAS MUST BE STABILIZED AND BMPs REMOVED AT THE COMPLETION OF THE PROJECT (SEE GENERAL NOTES)

GENERAL NOTES

- APPROVAL OF THIS SITE PREPARATION AND EROSION CONTROL PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G., SIZE AND LOCATION OF ROADS, PIPES, RESTRICTIONS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.)
- THE IMPLEMENTATION OF THE SITE PREPARATION AND EROSION CONTROL PLAN AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPDATING OF THESE BMP FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED.
- THE BMP FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING SO AS TO ENSURE THAT THE TRANSPORT OF SEDIMENT TO SURFACE WATER, DRAINAGE SYSTEMS, AND ADJACENT PROPERTIES IS MINIMIZED.
- SIGNIFICANT VARIATION AND DEGREE OF EROSION CONTROL EFFORT WILL BE DICTATED BY WEATHER CONDITIONS. THE BMP FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR THE ANTICIPATED SITE CONDITIONS DURING THE CONSTRUCTION PERIOD. THESE BMP FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND MODIFIED TO ACCOUNT FOR CHANGING SITE CONDITIONS. THE CONTRACTOR SHOULD BE PREPARED TO PROVIDE EXTRA EROSION CONTROL PROVISIONS AND EFFORT DURING WET SEASON CONDITIONS BEYOND THAT NORMALLY REQUIRED DURING DRY SEASON CONDITIONS.
- ALL CLEARING AND GRADING ACTIVITIES SHALL BE CONTAINED WITHIN THE LIMITS SHOWN ON THE PLANS. ALL SENSITIVE OR CRITICAL AREAS SUCH AS WETLANDS AND BUFFERS SHALL ALL BE CLEARLY DELINEATED, MARKED, AND PROTECTED FROM SEDIMENT DEPOSITION. ALL VEGETATION OUTSIDE DESIGNATED LIMITS SHALL REMAIN UNDISTURBED.
- ALL EXPOSED AND UNWORKED SOILS SHALL BE STABILIZED BY SEEDING, MULCHING, MATTING, OR PLASTIC COVERING DURING THE WET SEASON WHICH IS DEFINED AS FROM AUGUST 1 THROUGH OCTOBER 1 AND NOVEMBER 1 THROUGH MAY 1. NO SOILS SHALL REMAIN UNSTABILIZED FOR MORE THAN TWO DAYS DURING THE DRY SEASON WHICH IS DEFINED AS FROM OCTOBER 2 THROUGH OCTOBER 31 AND MAY 2 THROUGH JULY 31. NO SOILS SHALL REMAIN UNSTABILIZED FOR MORE THAN 14 DAYS.
- ALL STOCKPILES ARE TO BE LOCATED IN SAFE AREAS AND PROTECTED FROM EROSION BY CASQA BMP EC-2.
- VEGETATED STABILIZATION AND LANDSCAPING SHALL BE FERTILIZED, WATERED, AND MAINTAINED TO INSURE THAT GROWTH OF VEGETATION IS ESTABLISHED AND SUSTAINED.
- DURING DRY WEATHER CONSTRUCTION PERIODS THE CONTRACTOR SHALL PROVIDE PROJECT-SPECIFIC DUST CONTROL MEASURES THAT MAY INCLUDE SEEDING, MULCHING, MATTING, WATER, OR TACKLING. THE CONTRACTOR SHALL MAINTAIN THE DUST CONTROL MEASURES THROUGH DRY WEATHER PERIODS UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED. IMMEDIATELY RE-STABILIZE AREAS DISTURBED BY CONTRACTOR'S OPERATIONS OR OTHERS' ACTIVITIES (WIND, WATER, VANDALISM, ETC.)
- STIRRING TOPSOIL AND UNSUITABLE MATERIAL STOCKPILES SHALL BE HYDROSEED. MAINTENANCE OF STOCKPILE AREAS AND REAPPLICATION OF HYDROSEED COVERING SHALL BE REQUIRED IF BARE SOIL IS PRESENT DURING WET SEASON CONDITIONS. STOCKPILES SHALL BE COVERED WITH PLASTIC SHEETING.
- ALL PERMANENT INFILTRATION SYSTEMS (E.G., RAIN GARDENS) AND PLANTING AREAS SHALL BE ISOLATED AND PROTECTED FROM SEDIMENT-LOADED RUNOFF ENTERING TO AVOID RISK OF REDUCING THE ABILITY OF THE SYSTEMS TO PERFORM. ISOLATION AND PROTECTION SHALL BE REMOVED UNTIL THE DRAINAGE AREA TRIBUTARY TO THE SYSTEM IS COMPLETELY STABILIZED.
- STABILIZED CONSTRUCTION AND ROADS SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES SUCH AS TIRE WASH MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- STABILIZED AREAS SHALL BE PROVIDED FOR EMPLOYEE PARKING AND STORAGE OF CONSTRUCTION MATERIALS. ERODIBLE STOCKPILES OF EARTHEN MATERIALS SUCH AS TOPSOIL, SILT, AND CURRYE SILTS, AND LANDSCAPE MATERIALS SHALL BE COVERED WHEN NOT BEING INCORPORATED IN THE WORK. EROSION CONTROL BMPs SHALL BE UTILIZED AS NECESSARY TO PREVENT SEDIMENT-LOADED RUNOFF FROM LEAVING OR SEDIMENT BEING TRANSPORTED FROM THESE AREAS FORM THESE AREAS FROM VEHICLE ACTIVITY.
- ALL POLLUTANTS OTHER THAN SEDIMENTS THAT OCCUR ON-SITE DURING CONSTRUCTION SHALL BE HANDLED AND DISPOSED OF IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF STORMWATER AS DIRECTED BY THE DEPARTMENT OF STORMWATER IN THE CURRENT VERSION OF THE CASQA STORMWATER BMP HANDBOOK FOR CONSTRUCTION ACTIVITIES.
- SEDIMENT-LOADED RUNOFF SHALL BE PREVENTED FROM ENTERING ALL EXISTING STORMWATER CATCH BASINS, INLETS, AND PREVIOUS DRAINAGE SYSTEMS AFFECTED BY CONSTRUCTION.
- GROUND WATER ENCOUNTERED DURING ACTIVITIES SUCH AS DEWATERING OR EXCAVATION SHALL BE HANDLED PER CASQA STORMWATER BMP WASTEWATER MANAGEMENT SPECIFICATIONS. NO DISCHARGE SHALL BE MADE TO A PAVED STREET OR STORMWATER COLLECTION SYSTEM WITHOUT APPROVAL AND REMOVING SEDIMENT.
- CONCRETE MIXING TRUCKS WILL NOT BE ABLE TO WASHOUT ANYWHERE ON SITE. CONTRACTOR SHALL MAKE PROVISIONS TO SEND TRUCKS WITH ANY LAUNDED CONCRETE AND ANY WASH WATER BACK TO MIXING PLANT FOR DISPOSAL. IF CONCRETE PUMP IS USED, A FULLY CONTAINED CONCRETE WASHOUT AREA SHALL BE CONSTRUCTED AND APPROVED BY THE CITY PRIOR TO USE. DISPOSAL OF PROCESS WATER SHALL FOLLOW THE REQUIREMENTS IN CASQA STORMWATER BMP HANDBOOK AND MATERIAL POLLUTION CONTROL SPECIFICATIONS.
- OFF SITE STORMWATER SHALL BE HANDLED PER CASQA STORMWATER BMP WM-10.
- WHERE FEASIBLE, NO MORE THAN 500 FEET OF TRENCH SHALL BE OPEN AT ONE TIME. EXCAVATED MATERIAL SHALL BE PLACED ON THE UP-HILL SIDE OF TRENCHES PROVIDED IT DOES NOT CONFLICT WITH SAFETY REQUIREMENTS.
- ONCE THE STORM SYSTEM HAS BEEN INSTALLED, A CATCH-BASIN INSERT SHALL BE INSTALLED IN EACH CATCH-BASIN STRUCTURE AND MAINTAINED UNTIL THE PAVING OPERATION IS COMPLETE.
- CONSTRUCTION SHALL NOT BE CONSIDERED COMPLETE AND ACCEPTABLE UNTIL ALL DISTURBED SOIL SURFACES HAVE BEEN PROTECTED FROM EROSION WITH PERMANENT LANDSCAPING, COVERING WITH IMPERVIOUS SURFACES, RESTORED TO ORIGINAL UNDISTURBED CONDITION OR PERMANENTLY STABILIZED.

- THE BMP FACILITIES SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED TO ENSURE CONTINUED PROPER FUNCTIONING. WRITTEN RECORDS SHALL BE KEPT IN AN INSPECTION LOG OF WEEKLY REVIEWS OF THE BMP FACILITIES DURING THE WET SEASON AND OF MONTHLY REVIEWS DURING THE DRY SEASON. EROSION CONTROL FACILITIES SHALL BE INSPECTED AT LEAST WEEKLY AND AFTER EACH RAINFALL. THE INSPECTION LOG SHALL BE KEPT AT THE PROJECT SITE AT A DESIGNATED LOCATION AND SHALL BE AVAILABLE FOR REVIEW BY THE CITY. AN EROSION AND SEDIMENT CONTROL (ESC) LEAD THAT HAS A CURRENT CERTIFICATE OF TRAINING IN CONSTRUCTION SITE EROSION AND SEDIMENT CONTROL FROM AN APPROVED CASQA COURSE SHALL PERFORM INSPECTIONS AND MAINTAIN THE LOG.
- THE BMP FACILITIES ON INACTIVE AREAS OF THE PROJECT SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN 4 HOURS FOLLOWING A STORM EVENT.
- ALL EROSION AND SEDIMENT CONTROL BMPs SHALL BE MAINTAINED AND REPAIRED PER CASQA STORMWATER BMP HANDBOOK TO INSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. NEEDED REPAIRS SHALL BE MADE AS SOON AS PRACTICABLE. THEY ARE TO REMAIN IN PLACE ON OPERATIONAL DURING ALL PHASES OF CONSTRUCTION. CONSTRUCTION ACTIVITIES SHALL NOT CONTINUE OR RESUME UNTIL REPAIRS TO EROSION CONTROL FACILITIES ARE MADE AND THE FACILITIES ARE FUNCTIONAL. ANY SEDIMENT LEAVING THE SITE OR DISCHARGING TO A SENSITIVE AREA SHALL BE STOPPED AND CONTROLLED IMMEDIATELY. CONTAMINATED AREAS SHALL BE CLEANED AND RESTORED.
- SHOULD TESC MEASURES NOT BE PROPERLY INSTALLED AND MAINTAINED, THE CITY MAY STOP ALL WORK PERTAINING TO THE CORRECTION OF TESC PROBLEMS UNTIL THE TESC MEASURES ARE RETURNED TO PROPER OPERATION.
- IF BMPs SHOWN ARE UTILETED BUT ARE INSUFFICIENT TO PREVENT SEDIMENT FROM REACHING WATER BODIES ADJACENT PROPERTIES, OR PUBLIC RIGHTS-OF-WAY, ADDITIONAL BMPs SHALL BE IMPLEMENTED IMMEDIATELY TO PREVENT FURTHER ENCHANCEMENT OF SEDIMENT.
- MAINTENANCE AND REPAIR OF HEAVY EQUIPMENT AND VEHICLES WHICH INVOLVE POTENTIAL CONTAMINANTS (OIL, SOOT, VEHTS, HYDRAULIC FLUID, ETC.) MUST BE CONDUCTED IN A MANNER WHICH PREVENTS CONTAMINATION OF SOILS, SURFACE WATER, AND GROUND WATER. TANKS, DRIP PANS, OR OTHER APPROPRIATE MEASURES SHALL BE USED AS NECESSARY.
- SEDIMENTS TRANSPORTED ONTO A ROAD SURFACE SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM ROADS BY SHOVELING OR RESUME UNTIL REPAIRS TO EROSION CONTROL FACILITIES ARE MADE AND THE FACILITIES ARE FUNCTIONAL. ANY SEDIMENT LEAVING THE SITE OR DISCHARGING TO A SENSITIVE AREA SHALL BE STOPPED AND CONTROLLED IMMEDIATELY. CONTAMINATED AREAS SHALL BE CLEANED AND RESTORED.
- ALL TEMPORARY BMPs SHALL BE REMOVED PER CASQA SPECIFICATIONS WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED.
- ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED AFTER FINAL GRADING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT-LOADED WATER INTO THE DOWNSTREAM SYSTEM.
- CONCRETE WASTE MANAGEMENT, VEHICLE AND EQUIPMENT CLEANING, FUELING AND MAINTENANCE PROCEDURES SHALL BE CONTRACTOR LIABILITY.



TYPICAL PROTECTION FOR INLET
(SUMP CONDITION)

SECTION C-C
NOT TO SCALE

CURB INLET SEDIMENT BARRIERS CONSTRUCTION SPECIFICATIONS

- PLACE CURB TYPE SEDIMENT BARRIERS (OPTION A) AT EVERY PROPOSED INLET WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
- PLACE CURB TYPE SEDIMENT BARRIERS (OPTION B) @ 300 FT ON THE FLOW LINE OF THE PROPOSED STREETS WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
- GRAVEL BAGS OF EITHER BURLAP OR WOVEN GEOTEXTILE FABRIC ARE FILLED WITH 3/4 INCH DRAIN ROCK OR 1/4 INCH GRAVEL, OVER LAPPED AND PACKED TIGHTLY.
- GRAVEL BAGS SHALL BE PLACED IN A CURVED ROW FROM THE TOP OF CURB AT LEAST 4 FT INTO THE STREET. THE ROW SHOULD BE CURVED AT THE ENDS.
- LEAVE ONE GRAVEL BAG GAP IN THE TOP ROW TO PROVIDE A SPILLWAY FOR OVERFLOW.

EROSION CONTROL GRADING REQUIREMENTS

- ALL EARTHWORK PERFORMED TO CONSTRUCT EROSION CONTROL MEASURES SHALL CONFORM TO CITY OF IMPERIAL GRADING REGULATIONS.
- THE CONTRACTOR SHALL MAKE PROVISION FOR CONTRIBUTORY DRAINAGE AT ALL TIMES UNTIL WORK IS ACCEPTED BY THE CITY OF IMPERIAL. THE EROSION CONTROL DEVICES SHOWN ON PLANS SHALL REMAIN IN OPERABLE CONDITION BY THE CONTRACTOR.
- EXISTING STRUCTURES AND DEBRIS FOUND WITHIN WORK AREA SHALL BE REMOVED FROM SITE AND DISPOSED OF BY THE CONTRACTOR.

EROSION CONTROL MAINTENANCE & INSPECTION

- ALL SILT AND DEBRIS SHALL BE REMOVED FROM ALL DEVICES WHENEVER SUCH MAY POSE A POTENTIAL HAZARD DOWNSTREAM.
- THE PLACEMENT OF ADDITIONAL DEVICES TO REDUCE EROSION DAMAGE IS AT THE DISCRETION OF THE CITY INSPECTOR.
- PLANTING AND IRRIGATION OF SLOPES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- A PREVENTIVE PROGRAM TO PROTECT THE STORM BASIN SLOPES FROM POTENTIAL DAMAGE FROM BURROWING RODENTS IS REQUIRED. CONTRACTOR SHALL PERIODICALLY INSPECT SLOPES FOR EVIDENCE OF BURROWING RODENTS.
- THE CONTRACTOR SHALL INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVEL WAY IMMEDIATELY.
- THE REMOVED SEDIMENT SHALL BE PLACED WHERE IT CANNOT ENTER A STORM DRAIN OR BE TRANSPORTED OFF SITE.
- IF THE GRAVEL BECOMES CLOGGED WITH SEDIMENT, IT MUST BE REMOVED FROM THE INLET AND OR REPLACED WITH NEW GRAVEL.

1. SEDIMENT CONTROL - STORM DRAIN INLET PROTECTION

NOT TO SCALE



FILE NAME, DATE, & DATE

| | | | | | | | | | | |
|---|---|------|------|---------|---|--------------------|------|------------------------------|------|--|
| 8 | MODIFICATION TO BIKE LANE STRIPING | D.E. | R.M. | 10.6.23 | BY | ENGINEER OF RECORD | SEAL | DRAWN BY | O.E. | APPROVED BY DIRECTOR OF PUBLIC SERVICES DEPARTMENT |
| 5 | IFR - DRAWING ISSUED FOR REVIEW | D.E. | R.M. | 6.19.22 | PLANS PREPARED UNDER THE SUPERVISION OF | | | DESIGN BY | O.E. | CITY OF IMPERIAL, CA |
| 4 | IFR - DRAWING ISSUED FOR REVIEW | D.E. | R.M. | 5.31.22 | | | | CHECK BY | R.M. | |
| 3 | IFR - DRAWING ISSUED FOR REVIEW | D.E. | R.M. | 3.19.22 | | | | PROJ MGR | R.M. | |
| 2 | IFR - DRAWING ISSUED FOR REVIEW | D.E. | R.M. | 2.27.22 | | | | BY ROBERTO C. MARTINEZ DATE | | |
| 1 | IFR - DRAWING ISSUED FOR INFORMATION ONLY | D.E. | R.M. | 2.21.21 | | | | R.C.E. NO. C-74475 REG. EXP. | | |



APPROVED BY DIRECTOR OF PUBLIC SERVICES DEPARTMENT
CITY OF IMPERIAL, CA
BY JACKIE LOPER DATE



| | | | |
|---|--|-------------|-------------|
| CITY OF IMPERIAL | | DRAWING NO. | PE-1 |
| IMPROVEMENT PLANS | | PROJECT NO. | |
| SITE PREPARATION AND EROSION CONTROL GENERAL NOTES | | DATE | 10.6.2023 |
| ATEM BOULEVARD REHABILITATION BETWEEN VLORE WAY AND OLD SR-86 FEDERAL-AID PROJECT: STBOG 51942077 | | SHEET NO. | 13 OF 13 |