

Agenda Item No. C-3

DATE SUBMITTED	<u>09/24/2024</u>	COUNCIL ACTION	(X)
SUBMITTED BY	<u>COMMUNITY DEVELOPMENT DIRECTOR</u>	PUBLIC HEARING REQUIRED	()
DATE ACTION REQUIRED	<u>10/02/2024</u>	RESOLUTION	()
		ORDINANCE 1 ST READING	()
		ORDINANCE 2 ND READING	()
		CITY CLERK'S INITIALS	()

**IMPERIAL CITY COUNCIL
AGENDA ITEM**

SUBJECT: DISCUSSION/ACTION:
ATEN BLVD REHABILITATION PROJECT BETWEEN VILORE WAY AND OLD SR-86
BID 2024-03 - CALTRANS PROJECT NO. STBGL-5134(027)

1. AWARD CONSTRUCTION CONTRACT TO ROVE ENGINEERING, INC.
2. AUTHORIZE 15% CONTINGENCY.

DEPARTMENT INVOLVED: COMMUNITY DEVELOPMENT DEPARTMENT

BACKGROUND/SUMMARY:

The Community Development Department was directed by City Council per Agenda Item CC03-20-24_Item-C1_to conduct a competitive BID process for the Aten Blvd Rehabilitation Project Between Vilore Way and Old SR-86.

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 attached Exhibit 1 (Improvement Plans) for details.

Staff released a BID published in the City Website, Holtville Tribune, Calexico Chronicle, and several planrooms. Additionally, staff sent out the BID to a total of eleven (11) Local and Non-Local respected and dependable contractors.

The following two (2) Bids were received during the formal bidding process:

1. **Rove Engineering, Inc.** _____ \$ **1,878,883.11**
2. Vance Corporation _____ \$ 1,981,711.54

See attached Exhibit 2 ("BID Opening Act") for details.

After carefully reviewing of said Bids, staff is recommending the contract be awarded to Rove Engineering, Inc.

Due to Aten Blvd has been in use for many years and is under constant stress due to the continuous heavy traffic, it is also recommended to authorize a 15% Contingency for the construction of this project due to potential unforeseen underground conditions. If authorized, it will be reduced the likelihood of project delays.

FISCAL IMPACT:

\$1,878,883.11 from Surface Transportation Block Grant (STBG) Program & LTA Measure "D" Funds.

ADMIN
SERVICES
SIGN INITIALS



Exhibit 1

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

GENERAL NOTES:

- CITY ENCROACHMENT PERMIT CONDITIONS AND PROVISIONS SHALL TAKE PRECEDENCE OVER THE APPROVED PLANS AND SPECIFICATIONS FOR ANY CONFLICTS.
- THE STRUCTURAL SECTION SHALL BE IN ACCORDANCE WITH IMPERIAL CITY STANDARDS OR COUNTY OF IMPERIAL IF ANY COUNTY OF IMPERIAL ROW AND AS APPROVED BY THE PUBLIC SERVICES DIRECTOR.
- APPROVAL OF THESE IMPROVEMENT PLANS AS SHOWN DOES NOT CONSTITUTE APPROVAL OF ANY CONSTRUCTION OUTSIDE THE PROJECT BOUNDARY.
- ALL UNDERGROUND UTILITIES WITHIN THE STREET RIGHT-OF-WAY SHALL BE CONSTRUCTED, CONNECTED AND TESTED PRIOR TO CONSTRUCTION OF BERM CURBS, CROSS GUTTER AND PAVING.
- THE EXISTENCE AND LOCATION OF EXISTING UNDERGROUND FACILITIES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO OTHER EXISTING FACILITIES EXCEPT AS SHOWN ON THESE PLANS. HOWEVER, THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT ANY EXISTING FACILITY SHOWN HEREON AND ANY OTHER WHICH IS NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
- LOCATION AND ELEVATION OF IMPROVEMENT TO BE MET BY WORK TO BE DONE SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION. THE CONTRACTOR WILL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF ANYWHERE AREA NECESSARY BECAUSE OF ACTUAL LOCATIONS OF EXISTING FACILITIES.
- UTILITIES COORDINATION
NO LESS THAN 10 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 (COMMUNITY DEVELOPMENT) (760) 355-1152
B - CITY OF IMPERIAL (PUBLIC SERVICES) (760) 355-2155
C - IMPERIAL WIRERATION DISTRICT (POWER) (760) 483-2438
D - IMPERIAL WIRERATION DISTRICT (WATER) (760) 339-6627
E - SOUTHERN CALIFORNIA GAS CO. (760) 370-5812
G - SPECTRUM (760) 325-4818
EXISTING UNDERGROUND UTILITIES
BEFORE EXCAVATING FOR A CONSTRUCTION VERIFY LOCATION OF UNDERGROUND UTILITIES. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS AND MAY NOT REFLECT ALL EXISTING UTILITIES. LOCATION OF ALL EXISTING UTILITIES SHALL BE CONFIRMED BY FIELD MEASUREMENT BY CONTRACTOR PRIOR TO CONSTRUCTION OF WORK.
CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN HEREON AND ANY OTHER EXISTING LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
ACCURATE VERIFICATION AS TO SIZE, LOCATION AND DEPTH OF EXISTING UNDERGROUND SERVICES SHALL BE THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL NOTIFY THE SOUTHERN CALIFORNIA GAS COMPANY, AT&T SPECTRUM AND OTHER COMMUNICATION COMPANIES, IMPERIAL WIRERATION DISTRICT AND ANY OTHER AFFECTED UTILITY AGENCIES PRIOR TO STARTING 48 HOURS BEFORE SUCH UTILITY FACILITIES ARE TO BE EXCAVATED BY UTILITY REPRESENTATIVES. FOR LOCATION OF UNDERGROUND UTILITIES AND APPURTENANCES, CONTRACTOR UNDERGROUND SERVICE ALERT AT 811 (FORMERLY 1-800-4-A-SHIELD).
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE UTILITY AGENCIES ADVISE THEM OF THE PROPOSED IMPROVEMENT AND BEAR THE COST OF RECALCULATIONS IF NEEDED.
- CONSTRUCT A PUBLIC STREET LIGHT SYSTEM CONFORMING TO APPROPRIATE STANDARDS AND STREET LIGHT SPECIFICATIONS. POWER SOURCES AND RUNS SHALL BE SHOWN ON THE "AS-BUILT" IMPROVEMENT DRAWINGS. ALL POWER SOURCES SHALL BE LOCATED WITHIN THE DESIGNATED RIGHT-OF-WAY EASEMENT.
- NO PAVING SHALL BE DONE UNTIL EXISTING POWER POLES RELOCATED OUTSIDE THE AREAS TO BE PAVED.
- PRIVATE ROAD IMPROVEMENTS SHOWN HEREON ARE FOR INFORMATION ONLY. CITY OFFICIALS SIGNATURE HEREON DOES NOT CONSTITUTE APPROVAL OR RESPONSIBILITY OF ANY KIND FOR THE DESIGN OR CONSTRUCTION OF THESE PRIVATE IMPROVEMENTS.
- ALL SIGNS TO BE ALUMINUM WITH 3M HIGH INTENSITY REFLECTIVE FACE OR EQUIVALENT.
- CONTRACTOR WILL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY STRIPING, PAVEMENT MARKERS OR LEGS/BE ORIGINATED BY THE CONSTRUCTION OF THIS PROJECT.
- THE CONTRACTOR SHALL DO ALL NEW STRIPING AND HYDROBLASTING OR RECONSTRUCT STRIPING IF NEEDED.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO SECURE AND ENCROACHMENT PERMIT FROM THE CITY OF IMPERIAL DEPARTMENT OF COMMUNITY DEVELOPMENT FOR ANY EXCAVATION OR CONSTRUCTION WITHIN CITY ROAD RIGHT-OF-WAY. COUNTY OF IMPERIAL, PUBLIC SERVICES DEPARTMENT, FOR ANY EXCAVATION CONSTRUCTION WITHIN COUNTY OF IMPERIAL, ROAD RIGHT-OF-WAY OR THE RD FOR ANY WORK WITHIN 80 HIGHWAY FOR INSPECTIONS, CALL BEFORE 480 PM AT (760)355-1151. MINIMUM 24 HOURS IN ADVANCE. ADDITIONALLY UNDERGROUND SERVICE ALERT (USA) MUST BE CALLED TWO WORKING DAYS BEFORE THE CONTRACTOR EXCAVATE. THE CONTACT NUMBER IS LIST ALL WORK AND MATERIALS ARE SUBJECT TO THE INSPECTION AND APPROVAL FROM THE CITY OF IMPERIAL OR COUNTY OF IMPERIAL DEPARTMENT OF PUBLIC WORKS OR THEIR REPRESENTATIVES.
- NO REVISIONS OF ANY KIND SHALL BE MADE TO THESE PLANS WITHOUT THE PRIOR WRITTEN APPROVAL OF BOTH THE CITY ENGINEER FOR HIS REPRESENTATIVE AND THE ENGINEER OF RECORD. A REPRODUCIBLE AS-BUILT PLAN SET WILL BE PROVIDED TO THE RD AND PUBLIC WORKS DEPARTMENT AS A CONDITION OF SUBSTANTIAL CONSTRUCTION COMPLETION AND PRIOR TO ACCEPTANCE.
- ALL WORK AND MATERIAL SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS AND CITY OF IMPERIAL, DEPARTMENT OF COMMUNITY DEVELOPMENT. STANDARDS 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 CONFLICTS OCCUR, THEN THE MOST STRINGENT SHALL GOVERN.
- 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.
- THE CONTRACTOR SHALL OBTAIN A GENERAL CONSTRUCTION ACTIVITY STORM WATER PERMIT OR PROCESS A CONSTRUCTION STORM WATER WATER QUALITY STATE WATER RESOURCES CONTROL BOARD DIVISION OF WATER QUALITY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN OR ALTER THE APPROVED STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND EROSION CONTROL PLAN AND PROVIDE MONITORING AND INSPECTION SERVICES BY A QUALIFIED SWPPP PRACTITIONER.
- AS DETERMINED BY THE COUNTY OF IMPERIAL PUBLIC WORKS DIRECTOR/ROAD COMMISSIONER, THE CONTRACTOR IS RESPONSIBLE FOR ROAD TO ROAD IMPROVEMENT TO MAINTAIN AND MAY BE REQUIRED TO RECONSTRUCT EXISTING PAVEMENT INCLUDING BASE AND MATCHING OVERLAY REQUIRED TO MEET THE STRUCTURAL STANDARDS FOR THE CURRENT ASSIGNED TRAFFIC INDEX.
- EXISTING STORM DRAIN INFRASTRUCTURE WHETHER TO BE CONNECTED TO EXISTING ADJACENT DRAIN 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.
- TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE CALIFORNIA MANUAL ON URBAN TRAFFIC CONTROL (MUTCD) (COUNTY) LATEST EDITION OR AS DIRECTED BY THE CITY ENGINEER OF IMPERIAL.
- ANY EXISTING SURVEY MONUMENTS OR COUNTY RECOGNIZED BENCHMARKS SHALL BE PROTECTED BY THE CONTRACTORS. SHOULD ANY SUCH MONUMENTS OR BENCHMARKS BE DAMAGED, OBSOLETE OR ALTERED BY THE CONTRACTORS OPERATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF THE SAME AS PER THE SUBMITTAL AND THE PROFESSIONAL LAND SURVEYOR ACT AND TO THE SATISFACTION OF THE COUNTY SURVEYOR/DIRECTOR OF PUBLIC WORKS. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENTATION BY A LICENSED LAND SURVEYOR OR A REGISTERED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING. A CORNER RECORD OR RECORD OF SURVEY AS APPROPRIATE SHALL BE FILED BY THE LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER. IF A MONUMENT SHOULD BE REPLACED, THIS TASK SHALL BE DONE PER CITY OF IMPERIAL STD. DETAIL NO. 515 ILLUSTRATED ON SHEET E OF 13. THE REPLACEMENT PROCESS SHOULD START AFTER ASPHALT PAVEMENT RESTORATION WORK IS COMPLETED.
- DUST SHALL BE CONTROLLED BY THE CONTRACTOR IN ACCORDANCE WITH ALL IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT (APCD) FUGITIVE DUST CONTROL RULES AND REGULATIONS AND SHALL COMPLY WITH THEIR PERMITTING REQUIREMENTS IF APPLICABLE.
- THE NOTES LISTED ABOVE ARE MINIMUM LIST. THIS DOES NOT RELIEVE THE ENGINEER FROM COMPLYING ADDITIONAL NOTES THAT MAY BE REQUIRED FOR THE PROJECT.
- 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. 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.
- 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.
- THE CONTRACTOR SHALL PROVIDE FOR INGRESS AND EGRESS FOR PRIVATE PROPERTY ADJACENT TO THE WORK THROUGHOUT THE PERIOD OF CONSTRUCTION.
- THE CONTRACTOR IS REQUIRED TO SUBMIT A TRAFFIC CONTROL PLAN TO THE COUNTY DEVELOPMENT DEPARTMENT OF THE CITY OF IMPERIAL FOR REVIEW AND APPROVAL AT LEAST THREE (3) WEEKS PRIOR TO THE COMMENCEMENT OF THE CONSTRUCTION. ALSO, THE CONTRACTOR SHALL ADVISE ALL BUSINESS, RESIDENTIAL, INSTITUTIONAL AND GOVERNMENTAL AGENCIES NEAR THE VICINITY OF THE PROJECT OF IMPENDING CONSTRUCTION ACTIVITIES AT LEAST AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK. THE TRAFFIC CONTROL PLAN SHALL BE PREPARED IN CONFORMANCE WITH THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION "MANUAL OF TRAFFIC CONTROL" FOR CONSTRUCTION AND MAINTENANCE WORK ZONES' LATEST EDITION.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL NECESSARY TRAFFIC CONTROL TO PROTECT AND GUIDE TRAFFIC FROM ALL WORK IN THE CONSTRUCTION AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXPENSES RELATIVE TO THE TRAFFIC CONTROL. ALL TRAFFIC CONTROL SHALL BE CLEARLY POSTED WITH SIGNS PRIOR TO THE BEGINNING OF ANY WORKING. ANY SIGNS LISTED HEREIN ARE TO SUPPLEMENT OTHER TRAFFIC REGULATIONS OF THE CITY OF IMPERIAL AND ARE NOT INTENDED TO REPLACE ANY OTHER TRAFFIC REGULATIONS. THE CONTRACTOR SHALL ATTEMPT TO MAINTAIN LOCAL ACCESS TO ADJACENT PROPERTIES ON THE PROJECT AT THE END OF EACH WORKING DAY WHEN POSSIBLE. ANY STREET CLOSURE SHALL BE APPROVED IN ADVANCE BY THE COMMUNITY DEVELOPMENT AND/OR PUBLIC SERVICES DIRECTORS.

SHEET INDEX

DWG NO.	SHEET NO.	DRAWING TITLE
T-1	1	TITLE SHEET
EC-1	2	EXISTING CONDITIONS PLAN SHEET 1
EC-2	3	EXISTING CONDITIONS PLAN SHEET 2
D-1	4	DEMOLITION PLAN & EROSION CONTROL PLAN SHEET 1
D-2	5	DEMOLITION PLAN & EROSION CONTROL PLAN SHEET 2
RD-1	6	ROADWAY PLAN SHEET 1
RD-2	7	ROADWAY PLAN SHEET 2
RD-3	8	ROADWAY MISCELLANEOUS DETAILS PLAN
RS-1	9	ROADWAY SECTION PLAN
RS-2	10	ROADWAY SECTION DETAILS PLAN
CH-1	11	SIGNS & STRIPING PLAN SHEET 1
CH-2	12	SIGNS & STRIPING PLAN SHEET 2
PE-1	13	SITE PREPARATION & EROSION CONTROL GENERAL NOTES

ABBREVIATIONS

AC	ASPHALT CONCRETE	MN	MANHOLE
AE	AT	MM	MINIMUM
AV	AVENUE	MS	MISCELLANEOUS
BC	BEGIN OF CURVE	N	NORTH
BSL	BUILDING SETBACK LINE	NTS	NOT TO SCALE
BMP	BEST MANAGEMENT PRACTICES	PC	PORTLAND CEMENT CONCRETE
BT	BOTTOM	PIC	PROPERTY LINE
CB	CATCH BASIN	PROP	PROPOSED
CL	CENTERLINE	R	RADIUS
CMU	CONCRETE MASONRY UNIT	RMW	RIGHT OF WAY
CONC	CONCRETE	RT	RIGHT
CUR	CURB/YARDE	S	SOUTH
D	DIAMETER	SEC	SECTION
DWY	DRIVEWAY	SPEC	SPECIFICATION
DWG	DRAWING	SS	SEWER SIEVER
E	EAST	SSM	SEWER SIEVER MANHOLE
EC	END OF CURVE	SD	STORM DRAIN MANHOLE
EG	EXISTING GROUND	SD	STORM DRAIN
EOP	EDGE OF PAVEMENT	SF	SQUARE FOOT
EX	EXISTING	ST	STREET
FT	FEET	STA	STATION
IN	INCHES	STD	STANDARD
IS	IN SITU	TEMP	TEMPORARY EROSION & SEDIMENT
LF	LINEAR FEET	TOP	TYPICAL
LT	LEFT	VERT	VERTICAL
MAX	MAXIMUM	W	WEST
HYD	HYDRAULIC		

LEGEND:

EXISTING CONDITIONS		IMPROVEMENTS	
STREET CENTER LINE	EXISTING PROPOSED STATION	CONTRACTOR TO PROVIDE 12" OF 4" OR 6" OF 4" OR 6" OVER 1" STRIPING BY ENGINEER	SYSTEM 1
STREET WHITE MARKING	EXISTING TREE	CONTRACTOR TO PROVIDE 12" OF 4" OR 6" OVER 1" STRIPING BY ENGINEER	SYSTEM 2
STREET YELLOW MARKING	EXISTING FENCE	CONTRACTOR TO PROVIDE 12" OF 4" OR 6" OVER 1" STRIPING BY ENGINEER	SYSTEM 3
EXISTING WATER PIPELINE	EXISTING DRIVEWAY	CONTRACTOR TO PROVIDE 12" OF 4" OR 6" OVER 1" STRIPING BY ENGINEER	SYSTEM 4
EXISTING S/S PIPELINE	EXISTING TRAFFIC LIGHT	CONTRACTOR TO PROVIDE 12" OF 4" OR 6" OVER 1" STRIPING BY ENGINEER	SYSTEM 5
EXISTING TONGUE BURN	EXISTING SIGN	CONTRACTOR TO PROVIDE 12" OF 4" OR 6" OVER 1" STRIPING BY ENGINEER	SYSTEM 6
EXISTING STORM DRAIN PIPELINE	EXISTING SIGNAGE PROTECTION	CONTRACTOR TO PROVIDE 12" OF 4" OR 6" OVER 1" STRIPING BY ENGINEER	SYSTEM 7
EXISTING	EXISTING MISSOURY WALL	CONTRACTOR TO PROVIDE 12" OF 4" OR 6" OVER 1" STRIPING BY ENGINEER	SYSTEM 8
EXISTING SEWER MANHOLE	EXISTING SEWER MANHOLE	CONTRACTOR TO PROVIDE 12" OF 4" OR 6" OVER 1" STRIPING BY ENGINEER	SYSTEM 9
EXISTING WATER VALVE	EXISTING WATER VALVE	CONTRACTOR TO PROVIDE 12" OF 4" OR 6" OVER 1" STRIPING BY ENGINEER	SYSTEM 10
EXISTING FIRE HYDRANT	EXISTING FIRE HYDRANT	CONTRACTOR TO PROVIDE 12" OF 4" OR 6" OVER 1" STRIPING BY ENGINEER	SYSTEM 11
EXISTING STORM DRAIN CATCH BASIN	EXISTING STORM DRAIN CATCH BASIN	CONTRACTOR TO PROVIDE 12" OF 4" OR 6" OVER 1" STRIPING BY ENGINEER	SYSTEM 12
EXISTING STREET LAMP	EXISTING STREET LAMP	CONTRACTOR TO PROVIDE 12" OF 4" OR 6" OVER 1" STRIPING BY ENGINEER	SYSTEM 13
EXISTING TRAFFIC LIGHT	EXISTING TRAFFIC LIGHT	CONTRACTOR TO PROVIDE 12" OF 4" OR 6" OVER 1" STRIPING BY ENGINEER	SYSTEM 14
EXISTING SIGN	EXISTING SIGN	CONTRACTOR TO PROVIDE 12" OF 4" OR 6" OVER 1" STRIPING BY ENGINEER	SYSTEM 15
EXISTING SIGNAGE PROTECTION	EXISTING SIGNAGE PROTECTION	CONTRACTOR TO PROVIDE 12" OF 4" OR 6" OVER 1" STRIPING BY ENGINEER	SYSTEM 16
EXISTING ROAD POLE	EXISTING ROAD POLE	CONTRACTOR TO PROVIDE 12" OF 4" OR 6" OVER 1" STRIPING BY ENGINEER	SYSTEM 17
EXISTING P.C. CURB & GUTTER	EXISTING P.C. CURB & GUTTER	CONTRACTOR TO PROVIDE 12" OF 4" OR 6" OVER 1" STRIPING BY ENGINEER	SYSTEM 18
EXISTING P.C. CURBS	EXISTING P.C. CURBS	CONTRACTOR TO PROVIDE 12" OF 4" OR 6" OVER 1" STRIPING BY ENGINEER	SYSTEM 19
EXISTING ASPHALT PAVEMENT	EXISTING ASPHALT PAVEMENT	CONTRACTOR TO PROVIDE 12" OF 4" OR 6" OVER 1" STRIPING BY ENGINEER	SYSTEM 20
EXISTING P.C. SIDEWALK	EXISTING P.C. SIDEWALK	CONTRACTOR TO PROVIDE 12" OF 4" OR 6" OVER 1" STRIPING BY ENGINEER	SYSTEM 21
EXISTING CROSS GUTTER	EXISTING CROSS GUTTER	CONTRACTOR TO PROVIDE 12" OF 4" OR 6" OVER 1" STRIPING BY ENGINEER	SYSTEM 22
EXISTING ROOF	EXISTING ROOF	CONTRACTOR TO PROVIDE 12" OF 4" OR 6" OVER 1" STRIPING BY ENGINEER	SYSTEM 23

CITY COUNCIL

ROBERT AMARANO	MAYOR
JAMES LUCKER	MAYOR PRO-TEM
KATHERINE BURRNGORTH	COUNCIL MEMBER
STACY MENDOZA	COUNCIL MEMBER
IDA OBREGON-MARTINEZ	COUNCIL MEMBER

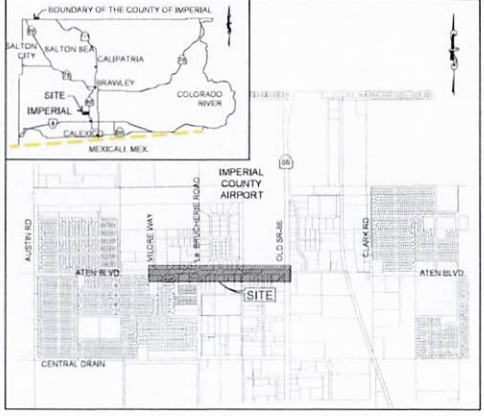
CITY STAFF

DENNIS H. MORITA	CITY MANAGER
OTHOM MOIRA	COMMUNITY DEVELOPMENT DIRECTOR
DAVID DALE	PUBLIC SERVICES DIRECTOR
AARON NEEL	POLICE CHIEF
DAVID LANTZIER	FIRE CHIEF
KATHARINE LUTNER	CITY ATTORNEY
KRISTINA SHIELDS	CITY CLERK

MONUMENTS:

- MONUMENT #1**
FOUND PN N&E WITH WASHER TAGGED "RCE 28447" FLUSH WITH CURRENT GRADE OF ASPHALT CONCRETE ROADWAY. ACCEPTED AS NORTHWEST CORNER FACING 56 PER R05 833 FM 2346 AND OM 644. ADJUSTED NAD 83 GEODETIC POSITION X = 4768.25728. Y = 11880.84424. LOCATION APPROXIMATELY 1.37521 FT WEST OF OLD SR-86 ALONG THE WEST OF ATEN BOULEVARD.
- MONUMENT #2**
FOUND PN N&E WITH WASHER TAGGED "RCE 28447" FLUSH WITH CURRENT GRADE OF ASPHALT CONCRETE ROADWAY. ACCEPTED AS ADJUSTED NAD 83 GEODETIC POSITION X = 4768.25149. Y = 11880.84423.
- MONUMENT #3**
FOUND PN N&E WITH WASHER TAGGED "RCE 28447" FLUSH WITH CURRENT GRADE OF ASPHALT CONCRETE ROADWAY. ACCEPTED AS NORTHWEST CORNER FACING 56 PER R05 833 FM 2346 AND OM 644. ADJUSTED NAD 83 GEODETIC POSITION X = 4768.08424. Y = 11880.83934.
- MONUMENT #4**
FOUND PN N&E WITH WASHER TAGGED "RCE 28447" FLUSH WITH CURRENT GRADE OF ASPHALT CONCRETE ROADWAY. ACCEPTED AS WITNESS CORNER 67.28 WEST OF NW CORNER OF TRACT 48.
- MONUMENT #5**
RP 60.50 WEST OF SOUTHEAST CORNER OF TRACT 101 PER IMPERIAL COUNTY SURVEY TIES. ESTABLISHED POSITION PER IMPERIAL COUNTY SURVEY TIES. ADJUSTED NAD 83 GEODETIC POSITION X=4772.52104. Y = 11880.85221.

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 OF THESE PLANS BY CITY OF IMPERIAL PUBLIC WORKS IS A REVIEW FOR THE LIMITED PURPOSE OF ENSURING THAT THE PLANS COMPLY WITH CITY OF WORKING PROCEDURES, APPLICABLE POLICES AND ORDINANCES. THE PLAN CHECK IS NOT A DETERMINATION OF THE TECHNICAL ADEQUACY OF THE DESIGN OF THESE IMPROVEMENTS. SUCH 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 NEGLECT, ACT, ERRORS OR OMISSIONS OF THE ENGINEER OF RECORD. I HAVE READ AND INFORMED THE PROJECT APPLICANT/OWNER THAT APPROVAL OF THESE PLANS DID NOT RELIEVE THEM FROM THE REQUIREMENTS OF THE DESIGN CONDITIONS.

BY: *[Signature]* P.E.# C-74475 7-09-2024

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 DUE 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 (USA) 1-800-422-4333 OR 811 AT LEAST 2 WORKING DAYS PRIOR TO EXCAVATION.

PROJECT DESCRIPTION

THE PROJECT CONSISTS GENERALLY OF GRADING, ASPHALT PAVEMENT, PLACING 18" INCH LEVELING COURSE, INSTALL ARAM ARM OVERLAY, SHOULDER TRANSITION, CLASS THERMOPLASTIC BULK BI-LINES ON BOTH SIDES OF ATEN BLVD, NEW THERMOPLASTIC STRIPING AND INSTALL 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.

THE ASPHALT GRADDINGS DERIVED FROM THE CONSTRUCTION ACTIVITY, SHALL DISPOSED OF AND STOCKPILED AT THE FOLLOWING LOCATION: CITY OF IMPERIAL, SHOP SITE LOCATED AT E 14TH AND NORTH "N" STREET. THE MAXIMUM SIZE OF SAND GRADDINGS SHOULD NOT BE LARGER THAN 1.5 INCHES.

ASPHALT AND CONCRETE DEMONITIONS DEBRIS SHALL BE RECYCLED OR DIVERTED AS REQUIRED BY THE CITY'S L&O ORDINANCE.

ATEN BOULEVARD REHABILITATION PROJECT BID NO. 2024-03

NO.	DESCRIPTION	DATE	BY	FOR
8	MODIFICATION TO BIKE LANE STRIPING	06.28.24	O.E. R.M.	10.28.24
5	IFR - DRAWING ISSUED FOR REVIEW	06.18.24	O.E. R.M.	6.18.24
4	IFR - DRAWING ISSUED FOR REVIEW	06.12.24	O.E. R.M.	6.12.24
3	IFR - DRAWING ISSUED FOR REVIEW	06.12.24	O.E. R.M.	6.12.24
2	IFR - DRAWING ISSUED FOR REVIEW	06.12.24	O.E. R.M.	6.12.24
1	IFR - DRAWING ISSUED FOR INFORMATION ONLY	06.12.24	O.E. R.M.	6.12.24

BY: ENGINEER OF RECORD
PLANS PREPARED UNDER THE SUPERVISION OF
[Signature]
BY: ROBERTO C. MARTINEZ DATE: 7-09-2024
R.C.E. NO. C-74475 REG. EXP. 12-31-2025



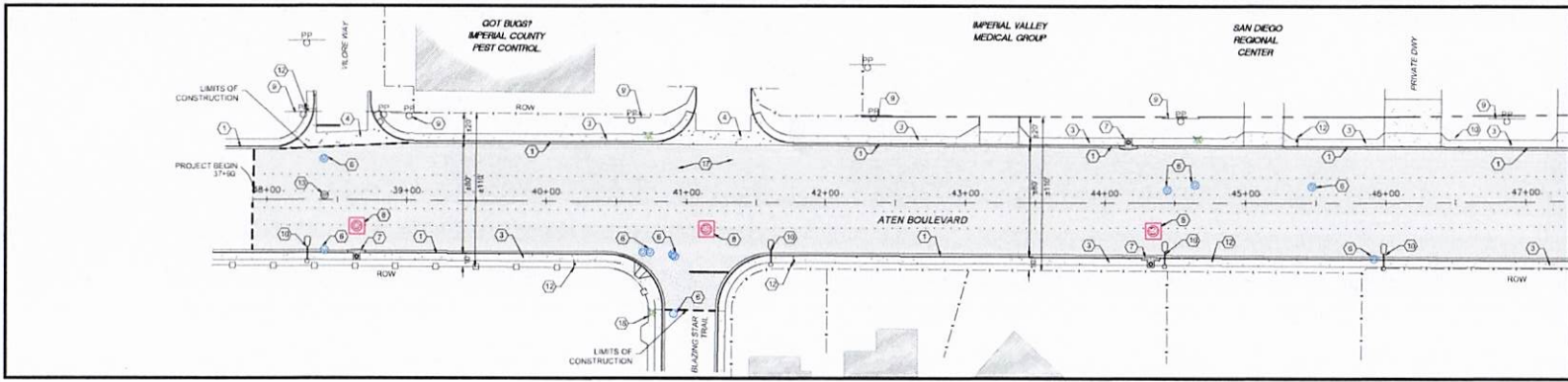
VEER ENGINEERING
701 S BARNHILL BLVD
IMPERIAL, CA 92521
760-364-8333

Imperial
California

DR: R.M.
DE: O.E.
DESIGN BY: O.E.
CHECK BY: R.M.
PRJ MGR: R.M.

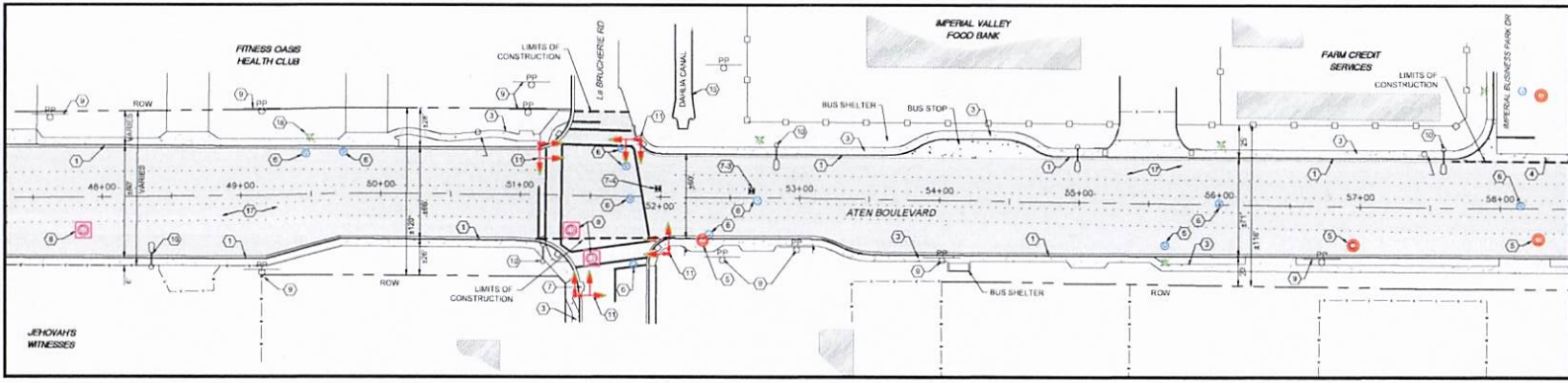
CITY OF IMPERIAL		DRAWING NO. T - 1	
IMPROVEMENT PLANS		PROJECT NO.	
TITLE SHEET		DATE 7.09.2024	
ATEN BOULEVARD REHABILITATION BETWEEN VILORE WAY AND OLD SR-86 FEDERAL-AID PROJECT: STBGL 5134(027) BID NO. 2024-03		SHEET NO. 1 OF 13	

Exhibit 1



47+30 MATCHLINE
SEE PLAN VIEW BELOW

ATEN BOULEVARD
STA 37+00 TO 47+30



58+50 MATCHLINE
SEE DWG NO 3 OF 13

ATEN BOULEVARD
STA 47+30 TO 58+50

47+30 MATCHLINE
SEE PLAN VIEW ABOVE

EXISTING FACILITY NOTES

- ① EXISTING P.C.C. CURB & GUTTER TO REMAIN.
- ② EXISTING P.C.C. CURBS TO REMAIN.
- ③ EXISTING P.C.C. SIDEWALK TO REMAIN.
- ④ EXISTING P.C.C. CROSS GUTTER TO REMAIN.
- ⑤ EXISTING SEWER MANHOLE TO REMAIN.
- ⑥ EXISTING WATER VALVE TO REMAIN.
- ⑦ EXISTING STORM DRAIN CATCH BASIN TO REMAIN.
- ⑧ EXISTING STORM DRAIN MANHOLE TO REMAIN.
- ⑨ EXISTING I.D. POWER POLE TO REMAIN.
- ⑩ EXISTING STREET LIGHT TO REMAIN.
- ⑪ EXISTING TRAFFIC SIGNAL LIGHT TO REMAIN.
- ⑫ EXISTING SIGN TO REMAIN.
- ⑬ EXISTING CATHODIC PROTECTION TO REMAIN.
- ⑭ EXISTING TRAFFIC LOOP TO BE REMOVED NOT TO BE REPLACED.
- ⑮ EXISTING I.D. IRRIGATION CHANNEL TO REMAIN.
- ⑯ EXISTING I.D. UNDERGROUND CHANNEL TO REMAIN.
- ⑰ EXISTING ASPHALT PAVEMENT TO BE REHABILITATED.
- ⑱ EXISTING COMMUNICATION BOX TO REMAIN.
- ⑲ EXISTING SURVEY MONUMENT TO BE PROTECTED.

EXISTING LEGEND

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

EXISTING MONUMENTS LOCATION

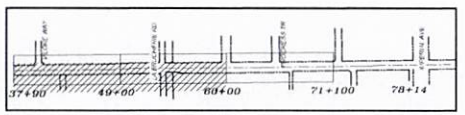
MONUMENT WELL	COORDINATES		STATION
	X	Y	
MONUMENT #1	6 769.257.38	1 860.844.24	65+18.70
MONUMENT #2	6 769.251.40	1 860.844.03	65+12.82
MONUMENT #3	6 768.004.04	1 860.838.44	52+65.43
MONUMENT #4	6 767.936.71	1 860.839.09	51+98.01
MONUMENT #5	6 770.521.04	1 860.852.27	77+82.00

NOTE: SEE MONUMENT DESCRIPTION ON TITLE SHEET

DIG ALERT



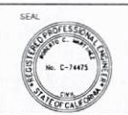
CALL TOLL FREE
1-800-4-A-DIG OR 811
720 FULL WORKING DAYS
BEFORE YOU DIG



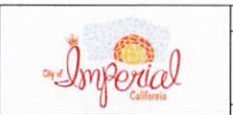
KEY MAP
N.T.S.



MARK	BY	APP.	DATE	DESCRIPTION
6	ENGINEER OF RECORD		10.6.23	MODIFICATION TO BIKE LANE STRIPING
5			6.18.23	I.P.R. - DRAWING ISSUED FOR REVIEW
4			5.31.23	I.P.R. - DRAWING ISSUED FOR REVIEW
3			3.19.23	I.P.R. - DRAWING ISSUED FOR REVIEW
2			2.27.23	I.P.R. - DRAWING ISSUED FOR REVIEW
1			2.21.23	I.P.R. - DRAWING ISSUED FOR INFORMATION ONLY



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

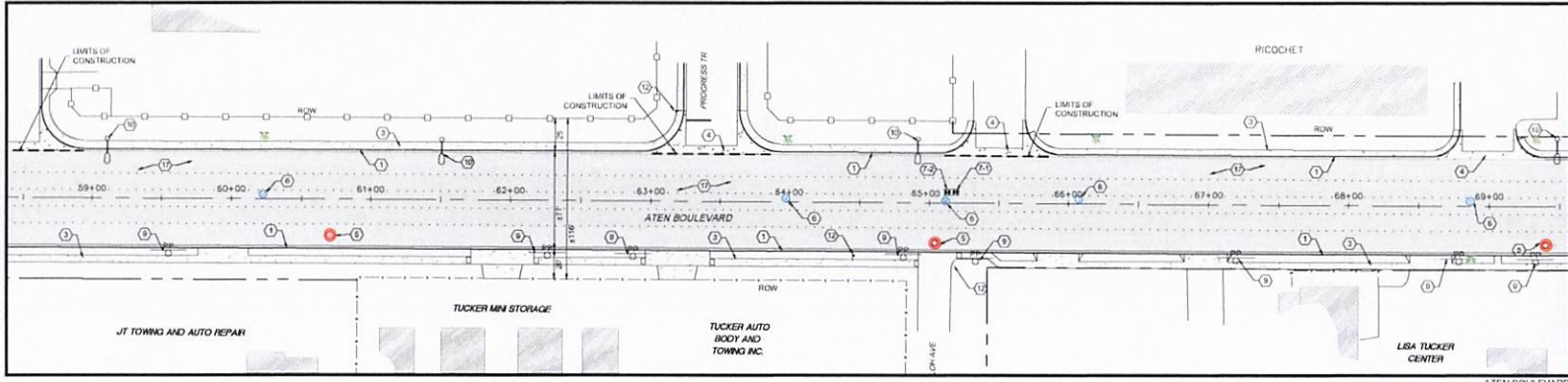


CITY OF IMPERIAL IMPROVEMENT PLANS EXISTING CONDITIONS PLAN SHEET 1 ATEN BOULEVARD REHABILITATION BETWEEN VLORE WAY AND OLD SR-46 FEDERAL-AID PROJECT: 87BGL 5134(027) BID NO. 2024-03 W.D.		DRAWING NO: EC-1 PROJECT NO: _____ DATE: 7.09.2024 SHEET NO: 2 OF 13
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ATEN BOULEVARD REHABILITATION (BID NO. 2024-03)

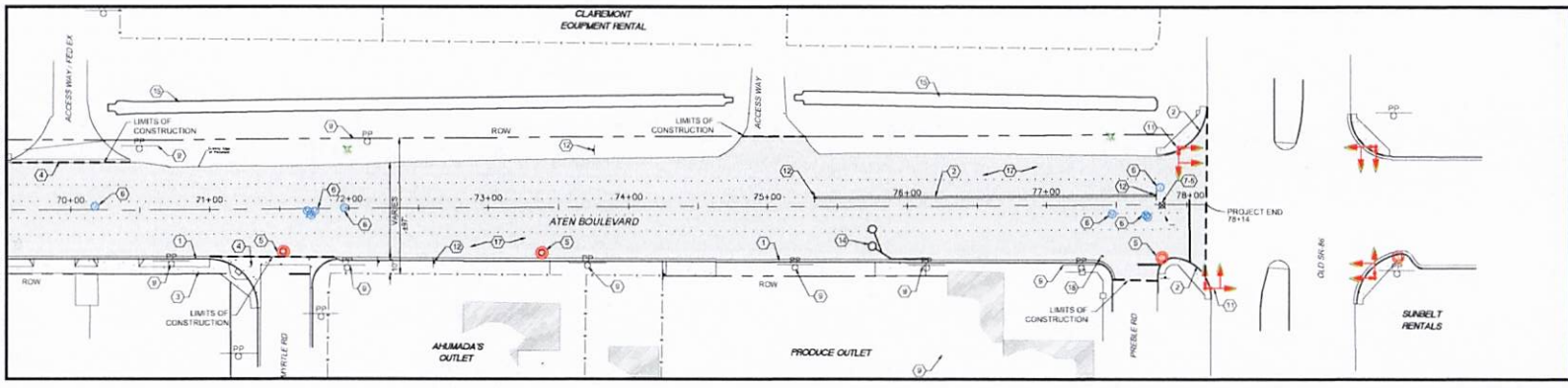
Exhibit 1

58+50 MATCHLINE
SEE DWG NO 2 OF 13



69+57 MATCHLINE
SEE PLAN VIEW BELOW

69+57 MATCHLINE
SEE PLAN VIEW ABOVE



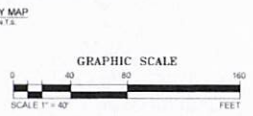
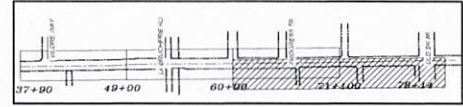
EXISTING MONUMENTS LOCATION

MONUMENT WELL	COORDINATES		STATION
	X	Y	
MONUMENT #1	6769.257.28	1180.844.24	69+16.70
MONUMENT #2	6769.251.40	1180.844.03	69+12.82
MONUMENT #3	6768.004.04	1180.836.44	62+45.43
MONUMENT #4	6769.307.71	1180.839.09	51+40.01
MONUMENT #5	6770.521.04	1180.852.21	77+42.50

NOTE: SEE MONUMENT DESCRIPTION ON TITLE SHEET

- EXISTING FACILITY NOTES**
- (1) EXISTING P.C.C. CURB & GUTTER TO REMAIN.
 - (2) EXISTING P.C.C. CURB TO REMAIN.
 - (3) EXISTING P.C.C. SIDEWALK TO REMAIN.
 - (4) EXISTING P.C.C. CROSS GUTTER TO REMAIN.
 - (5) EXISTING SEWER MANHOLE TO REMAIN.
 - (6) EXISTING WATER VALVE TO REMAIN.
 - (7) EXISTING STORM DRAIN CATCH BASIN TO REMAIN.
 - (8) EXISTING STORM DRAIN MANHOLE TO REMAIN.
 - (9) EXISTING I.I.D. POWER POLE TO REMAIN.
 - (10) EXISTING STREET LIGHT TO REMAIN.
 - (11) EXISTING STREET SIGNAL LIGHT TO REMAIN.
 - (12) EXISTING SIGN TO REMAIN.
 - (13) EXISTING CATHODIC PROTECTION TO REMAIN.
 - (14) EXISTING TRAFFIC LOOP TO BE REMOVED NOT TO BE REPLACED.
 - (15) EXISTING I.I.D. IRRIGATION CHANNEL TO REMAIN.
 - (16) EXISTING I.I.D. UNDERGROUND CHANNEL TO REMAIN.
 - (17) EXISTING ASPHALT PAVEMENT TO BE REHABILITATED.
 - (18) EXISTING COMMUNICATION BOX TO REMAIN.
 - (19) EXISTING SURVEY MONUMENT TO BE PROTECTED.

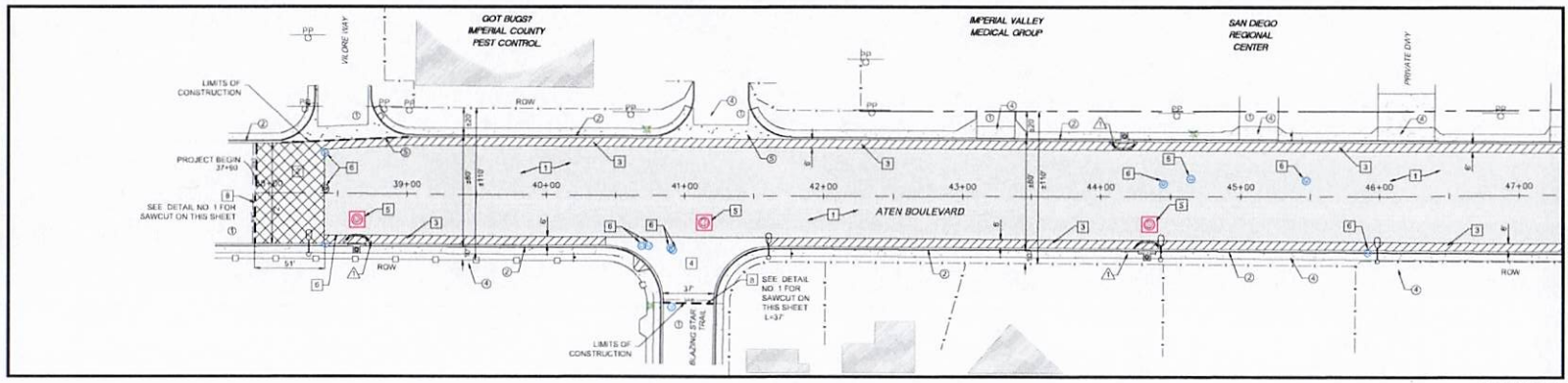
- EXISTING LEGEND**
- | | |
|--|-------------------------------|
| | EXISTING P.C.C. CURB & GUTTER |
| | EXISTING P.C.C. CURB |
| | EXISTING ASPHALTIC PAVEMENT |
| | EXISTING P.C.C. SIDEWALK |
| | EXISTING P.C.C. CROSS GUTTER |
| | EXISTING BUILDING |
| | EXISTING DRIVEWAY |
| | EXISTING TRAFFIC LOOP |
| | RIGHT OF WAY |
| | ATEN BLVD CENTER LINE |
| | EX. STREET MARKING |
| | EXISTING FENCE |
| | EXISTING MASONRY WALL |



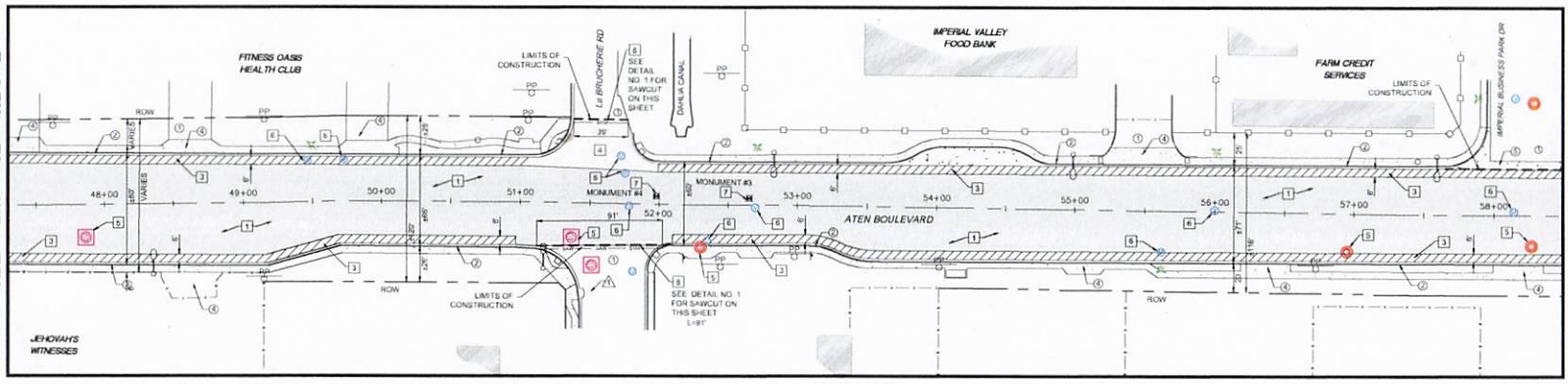
ATEN BOULEVARD REHABILITATION (RD NO. 2024)3

<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>D.E.</th> <th>R.M.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>6</td> <td>MODIFICATION TO BIKE LANE STRIPING</td> <td>O.E.</td> <td>R.M.</td> <td>10.6.23</td> </tr> <tr> <td>5</td> <td>I.F.R. - DRAWING ISSUED FOR REVIEW</td> <td>O.E.</td> <td>R.M.</td> <td>6.18.23</td> </tr> <tr> <td>4</td> <td>I.F.R. - DRAWING ISSUED FOR REVIEW</td> <td>O.E.</td> <td>R.M.</td> <td>3.31.23</td> </tr> <tr> <td>3</td> <td>I.F.R. - DRAWING ISSUED FOR REVIEW</td> <td>O.E.</td> <td>R.M.</td> <td>3.19.23</td> </tr> <tr> <td>2</td> <td>I.F.R. - DRAWING ISSUED FOR REVIEW</td> <td>D.E.</td> <td>R.M.</td> <td>2.27.23</td> </tr> <tr> <td>1</td> <td>I.F.R. - DRAWING ISSUED FOR INFORMATION ONLY</td> <td>D.E.</td> <td>R.M.</td> <td>2.21.23</td> </tr> </tbody> </table>	NO.	DESCRIPTION	D.E.	R.M.	DATE	6	MODIFICATION TO BIKE LANE STRIPING	O.E.	R.M.	10.6.23	5	I.F.R. - DRAWING ISSUED FOR REVIEW	O.E.	R.M.	6.18.23	4	I.F.R. - DRAWING ISSUED FOR REVIEW	O.E.	R.M.	3.31.23	3	I.F.R. - DRAWING ISSUED FOR REVIEW	O.E.	R.M.	3.19.23	2	I.F.R. - DRAWING ISSUED FOR REVIEW	D.E.	R.M.	2.27.23	1	I.F.R. - DRAWING ISSUED FOR INFORMATION ONLY	D.E.	R.M.	2.21.23	<p>BY ENGINEER OF RECORD</p> <p>PLANS PREPARED UNDER THE SUPERVISION OF</p> <p style="text-align: center;"><i>Roberto C. Martinez</i></p> <p>BY ROBERTO C. MARTINEZ DATE 7-09-2024</p> <p>R.C.E. NO. C-74473 REG. EXP. 12-31-2025</p>		<p>DRAWN BY O.E.</p> <p>DESIGN BY O.E.</p> <p>CHECK BY R.M.</p> <p>PROJ. MGR R.M.</p>			<p>CITY OF IMPERIAL</p> <p>IMPROVEMENT PLANS</p> <p>EXISTING CONDITIONS PLAN</p> <p>SHEET 2</p> <p>ATEN BOULEVARD REHABILITATION BETWEEN WILSON WAY AND OLD SR-85 FEDERAL AID PROJECT: 818G1, 5134(027) BID NO. 2024-03</p>	<p>DRAWING NO. EC-2</p> <p>PROJECT NO. _____</p> <p>DATE 7.09.2024</p> <p>SHEET NO. 3 OF 13</p>
NO.	DESCRIPTION	D.E.	R.M.	DATE																																						
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Exhibit 1

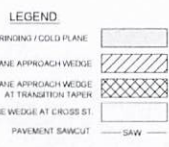


47+30 MATCHLINE
SEE PLAN VIEW BELOW

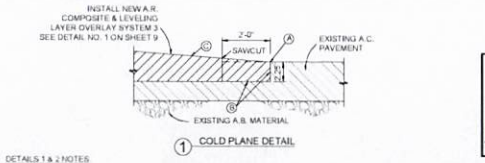


58+50 MATCHLINE
SEE DWG NO 5 OF 13

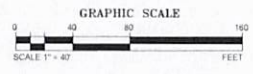
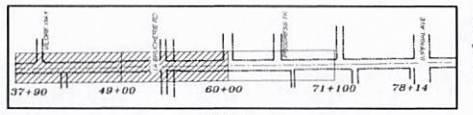
47+30 MATCHLINE
SEE PLAN VIEW ABOVE



- DEMOLITION KEYNOTES**
- 1 GRINDING / COLD PLANE OF TOP 1.5 IN AND REMOVE EXISTING ASPHALTIC CONCRETE AND DISPOSE OF MATERIAL. SEE DETAIL 4 ON SHEET NO. 10
 - 2 GRINDING / COLD PLANE OF 50" APPROACH WEDGE AT TRANSITION TAPER AND REMOVE EXISTING ASPHALTIC CONCRETE AND DISPOSE OF MATERIAL. SEE DETAIL NO. 2 ON SHEET NO. 10
 - 3 GRINDING / COLD PLANE OF 6" APPROACH WEDGE AND REMOVE EXISTING ASPHALTIC CONCRETE AND DISPOSE OF MATERIAL. SEE DETAIL NO. 3 ON SHEET NO. 10
 - 4 GRINDING / COLD PLANE WEDGE AT CROSS STREETS AND REMOVE EXISTING ASPHALTIC CONCRETE AND DISPOSE OF MATERIAL. SEE DETAIL NO. 6 ON SHEET NO. 10
 - 5 EXISTING MAN-HOLE CONCRETE RING TO BE DEMOLISHED AND LOWERED 0.30' BEFORE PAVING.
 - 6 EXISTING WATER VALVE, CATHODIC PROTECTION, NATURAL GAS, AND COMMUNICATION BOX CIRCULAR OR RECTANGULAR CONCRETE RING TO BE DEMOLISHED AND LOWERED 0.30' BEFORE PAVING.
 - 7 EXISTING SURVEY MONUMENT TO BE PRESERVED. SEE ITEM NO. 23 OF THE GENERAL NOTES FOR PRESERVATION GUIDELINES.
 - 8 SAWCUT/GRIND EXISTING PAVEMENT 2" FOOT 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.
 - 9 SAWCUT EXISTING PAVEMENT 1.1 FOOT 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.
 - 10 EXISTING PCC CROSS CUTTER TO BE REMOVED



- DETAILS 1 & 2 NOTES**
- A. GRINDING / COLD PLANE: 2 FT WIDE X 2.25 IN DEEP AREA FOR THE FULL WIDTH OF THE EXISTING A.C. PAVEMENT
 - B. TACK COAT THE SAWCUT A.C. PAVEMENT EDGE AND COLD PLANE AREA WITH A GRADE 88-1H EMULSIFIED ASPHALT AT AN APPROXIMATE RATE OF 0.05 TO 0.10 GALLON PER SQUARE YARD. THE 88-1H 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.
 - C. OVERLAY HEADER AREA TO MATCH NEW AND EXISTING A.C. SURFACES
 - D. WHERE PAVEMENT IS INSTALLED ON A PROJECT ON MORE THAN ONE DAY, A HEADER MUST BE PROVIDED AT THE CONSTRUCTION JOINT.
 - E. THE MATERIAL SHALL BE DISPOSED AND STOCKPILED AT THE FOLLOWING LOCATION: CITY OF IMPERIAL SHOP SITE LOCATED AT 14TH AND NORTH "N" STREET.



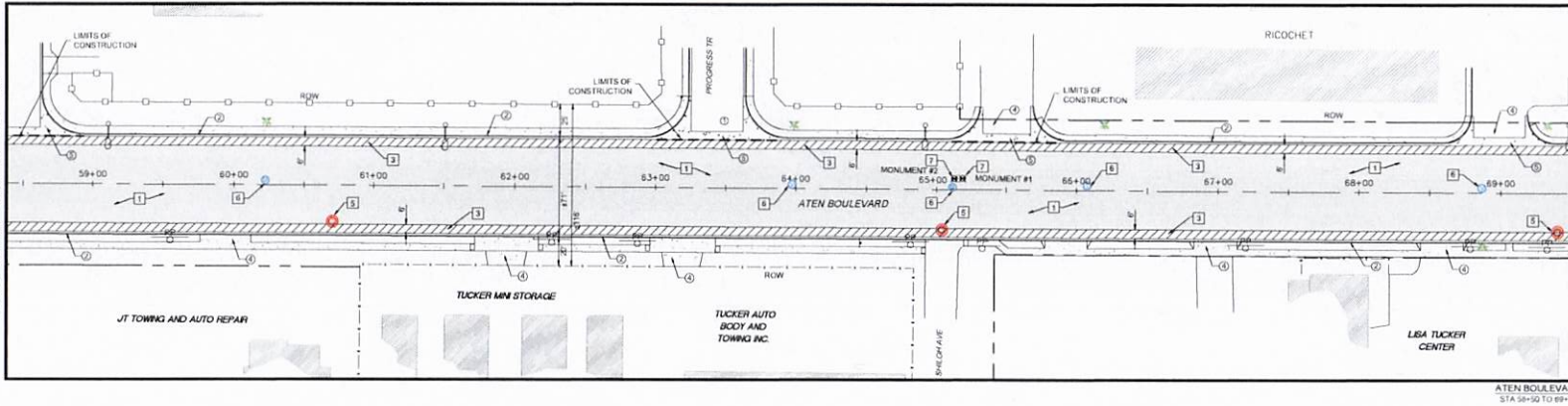
- DIG ALERT**
- EXISTING KEYNOTES**
- 1 EXISTING ASPHALTIC PAVEMENT TO REMAIN
 - 2 EXISTING CURB AND GUTTER TO REMAIN
 - 3 EXISTING CURB TO REMAIN
 - 4 EXISTING DRIVEWAY TO REMAIN
 - 5 EXISTING CROSS CUTTER TO REMAIN
 - 6 EXISTING ASPHALTIC PAVEMENT TO REMAIN
- EROSION CONTROL KEYNOTES**
- 1 SEMI-RIGID PROTECTION FOR EXISTING PAVEMENT SEE DETAIL NO. 1 ON SHEET 13

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>BY</th> </tr> <tr> <td>6</td> <td>MODIFICATION TO BIKE LANE STRIPING</td> <td>10.8.23</td> <td>O.E.</td> </tr> <tr> <td>5</td> <td>IFR - DRAWING ISSUED FOR REVIEW</td> <td>6.18.23</td> <td>O.E.</td> </tr> <tr> <td>4</td> <td>IFR - DRAWING ISSUED FOR REVIEW</td> <td>5.31.23</td> <td>O.E.</td> </tr> <tr> <td>3</td> <td>IFR - DRAWING ISSUED FOR REVIEW</td> <td>3.19.23</td> <td>O.E.</td> </tr> <tr> <td>2</td> <td>IFR - DRAWING ISSUED FOR REVIEW</td> <td>2.27.23</td> <td>O.E.</td> </tr> <tr> <td>1</td> <td>IFR - DRAWING ISSUED FOR INFORMATION ONLY</td> <td>2.21.23</td> <td>O.E.</td> </tr> </table>	NO.	DESCRIPTION	DATE	BY	6	MODIFICATION TO BIKE LANE STRIPING	10.8.23	O.E.	5	IFR - DRAWING ISSUED FOR REVIEW	6.18.23	O.E.	4	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.	<p>ENGINEER OF RECORD</p> <p>PLANS PREPARED UNDER THE SUPERVISION OF</p> <p style="text-align: center;"><i>Roberto C. Martinez</i></p> <p>BY: ROBERTO C. MARTINEZ DATE: 7-26-2024</p> <p>R.C.E. NO. C-7475 REG. EXP. 12-31-2025</p>		<p>DRAWN BY: O.E.</p> <p>DESIGN BY: O.E.</p> <p>CHECK BY: R.M.</p> <p>PROJECTOR: R.M.</p>	<p>101 E. BARNUM BLVD. IMPERIAL, CA 92521 (760) 734-6335</p> <p>1555 E. MAIN ST. #100 IMPERIAL, CA 92521 (760) 734-6335</p>	<p>CITY OF IMPERIAL</p> <p>IMPROVEMENT PLANS</p> <p>DEMOLITION AND EROSION CONTROL</p> <p>PLAN SHEET 1</p> <p>ATEN BOULEVARD REHABILITATION BETWEEN VALDRE WAY AND OLD SR-86 FEDERAL-AID PROJECT: STBLR 51346207; BD NO. 2024-03</p>	<p>DRAWING NO. D-1</p> <p>PROJECT NO. _____</p> <p>DATE: 7-26-2024</p> <p>SHEET NO. 4 OF 13</p>
NO.	DESCRIPTION	DATE	BY																															
6	MODIFICATION TO BIKE LANE STRIPING	10.8.23	O.E.																															
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ATEN BOULEVARD REHABILITATION, BD NO. 2024-03

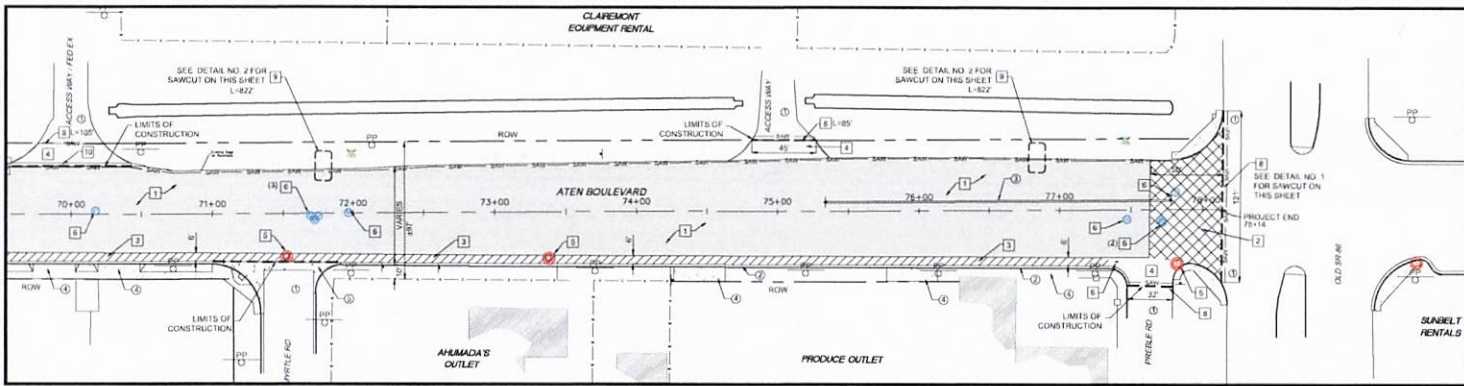
Exhibit 1

58+50 MATCHLINE
SEE DWG NO 4 OF 13



69+57 MATCHLINE
SEE PLAN VIEW BELOW

69+57 MATCHLINE
SEE PLAN VIEW ABOVE



SUMMARY OF QUANTITIES

STA 37+00 TO 78+14

NO.	ITEM	UNIT	QTY
1	1.5 IN PAVEMENT SAWCUT	L.F.	640
2	FULL DEPTH PAVEMENT SAWCUT	L.F.	834
3	REMOVE AND DISPOSE OF NATIVE MATERIAL TO SURGRADE	C.Y.	61.1
4	REMOVE AND DISPOSE A 1 FOOT OF A STRIP A.C. PAVEMENT	S.F.	1,028.8
5	GRINDING/COLD PLANE OF TOP 1.5 IN OF EXISTING A.C. PAVEMENT	S.F.	233,621.4
6	GRINDING / COLD PLANE OF 6" APPROACH WEDGE AND REMOVE EXISTING ASPHALTIC CONCRETE	S.F.	40,136.8
7	GRINDING / COLD PLANE WEDGE AT CROSS STREETS AND REMOVE EXISTING ASPHALTIC CONCRETE	S.F.	5,526.7
8	GRINDING / COLD PLANE OF 92" APPROACH WEDGE ON TRANSITION TAPER	S.F.	5,526.7
9	DEMOLITION OF MANHOLE CONCRETE RING	EA.	13
10	DEMOLITION OF WATER VALVES CATHODIC PROTECTION, NATURAL GAS, OR SPECIAL DEVICES CONCRETE RING	EA.	35
11	DEMOLITION OF MONUMENT WELL COVER CONCRETE RING	EA.	4
12	DEMOLITION OF COMMUNICATION CONCRETE BOX	EA.	1

LEGEND

- 1.5 IN GRINDING / COLD PLANE
- 6" GRINDING / COLD PLANE APPROACH WEDGE
- 92" GRINDING / COLD PLANE APPROACH WEDGE AT TRANSITION TAPER
- GRINDING / COLD PLANE WEDGE AT CROSS ST.
- PAVEMENT SAWCUT

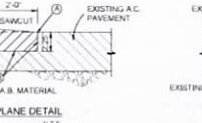
DEMOLITION KEYNOTES

- 1 GRINDING / COLD PLANE OF TOP 1.5 IN AND REMOVE EXISTING ASPHALTIC CONCRETE AND DISPOSE OF MATERIAL. SEE DETAIL 4 ON SHEET NO. 10
- 2 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. 10
- 3 GRINDING / COLD PLANE OF 6" APPROACH WEDGE AND REMOVE EXISTING ASPHALTIC CONCRETE AND DISPOSE OF MATERIAL. SEE DETAIL NO. 3 ON SHEET NO. 10
- 4 GRINDING / COLD PLANE WEDGE AT CROSS STREETS AND REMOVE EXISTING ASPHALTIC CONCRETE AND DISPOSE OF MATERIAL. SEE DETAIL NO. 5 ON SHEET NO. 10
- 5 EXISTING MAN-HOLE HYD. CONCRETE RING TO BE DEMOLISHED AND LOWERED 0.30 BEFORE PAVING.
- 6 EXISTING WATER VALVE, CATHODIC PROTECTION, NATURAL GAS AND COMMUNICATION BOX CIRCULAR OR RECTANGULAR CONCRETE RING TO BE DEMOLISHED AND LOWERED 0.30 BEFORE PAVING.
- 7 EXISTING SURVEY MONUMENT TO BE PRESERVED. SEE ITEM NO. 23 OF THE GENERAL NOTES FOR PRESERVATION GUIDELINES.
- 8 SAWCUT/REMOVE EXISTING PAVEMENT 2 FOOT 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.
- 9 SAWCUT EXISTING PAVEMENT 1 FOOT 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.
- 10 EXISTING PDC CROSS CUTTER TO BE REMOVED.

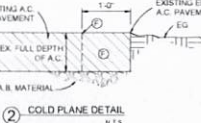
INSTALL NEW A.C. COMPOSITE & LEVELING LAYER OVERLAY SYSTEM 9



EXISTING A.C. PAVEMENT

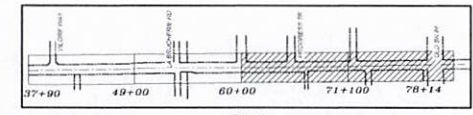


EXISTING A.C. PAVEMENT

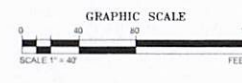


DETAILS 1 & 2 NOTES

- A. GRINDING / COLD PLANE 2 FT WIDE X 2.25 IN DEEP AREA FOR THE FULL WIDTH OF THE EXISTING A.C. PAVEMENT.
- B. TACK COAT THE SAWCUT A.C. PAVEMENT EDGE AND COLD PLANE AREA WITH A GRADE SS-1H EMULSIFIED ASPHALT AT AN APPROXIMATE RATE OF 0.05 TO 0.10 GALLON PER SQUARE YARD. THE SS-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.
- C. OVERLAY HEADER AREA TO MATCH NEW AND EXISTING A.C. SURFACES.
- D. WHERE PAVEMENT IS INSTALLED ON A PROJECT ON MORE THAN ONE DAY, A HEADER MUST BE PROVIDED AT THE CONSTRUCTION JOINT.
- E. SAWCUT EXISTING PAVEMENT FOR THE FULL DEPTH OF THE ASPHALT ALONG THE NORTH SIDE OF ATEN BLVD FROM STA 69+56.18 TO STA 77+79.00
- F. REMOVE AND DISPOSE OF A 1" STRIP A.C. PAVEMENT ALONG THE NORTH SIDE OF ATEN BLVD FROM STA 69+56.18 TO STA 77+79.00
- G. THE MATERIAL SHALL BE DEPOSITED AND STOCKPILED AT THE FOLLOWING LOCATION: CITY OF IMPERIAL SHOP SITE LOCATED AT 14TH AND NORTH 'N' STREET.



KEY MAP
N.T.S.



DIG ALERT

- 1 EXISTING ASPHALTIC PAVEMENT TO REMAIN
- 2 EXISTING CURB AND GUTTER TO REMAIN
- 3 EXISTING CURB TO REMAIN
- 4 EXISTING DRIVEWAY TO REMAIN
- 5 EXISTING CROSS GUTTER TO REMAIN

EROSION CONTROL KEYNOTES

- 1 SEDIMENT PROTECTION FOR EXISTING INLET SEE DETAIL NO. 1 ON SHEET 13

ATEN BOULEVARD REHABILITATION (BID NO. 2024-03)

NO.	DESCRIPTION	DATE	BY
6	MODIFICATION TO MAKE LANE STRIPING	02.08.23	R.M.
4	IFR - DRAWING ISSUED FOR REVIEW	02.08.23	R.M.
5	IFR - DRAWING ISSUED FOR REVIEW	02.08.23	R.M.
3	IFR - DRAWING ISSUED FOR REVIEW	02.08.23	R.M.
2	IFR - DRAWING ISSUED FOR REVIEW	02.08.23	R.M.
1	IFR - DRAWING ISSUED FOR INFORMATION ONLY	02.08.23	R.M.



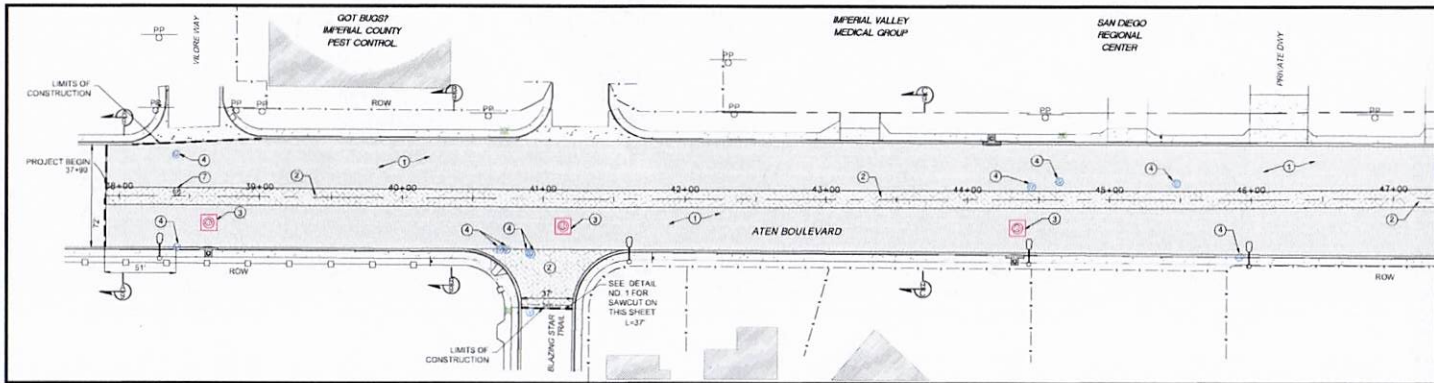
ENGINEER OF RECORD
 PLANS PREPARED UNDER THE SUPERVISION OF
 BY: *Roberto C. Martinez*
 ROBERTO C. MARTINEZ DATE: 7.08.2024
 R.C.E. NO. C-74475 REG. EXP. 12-31-2025



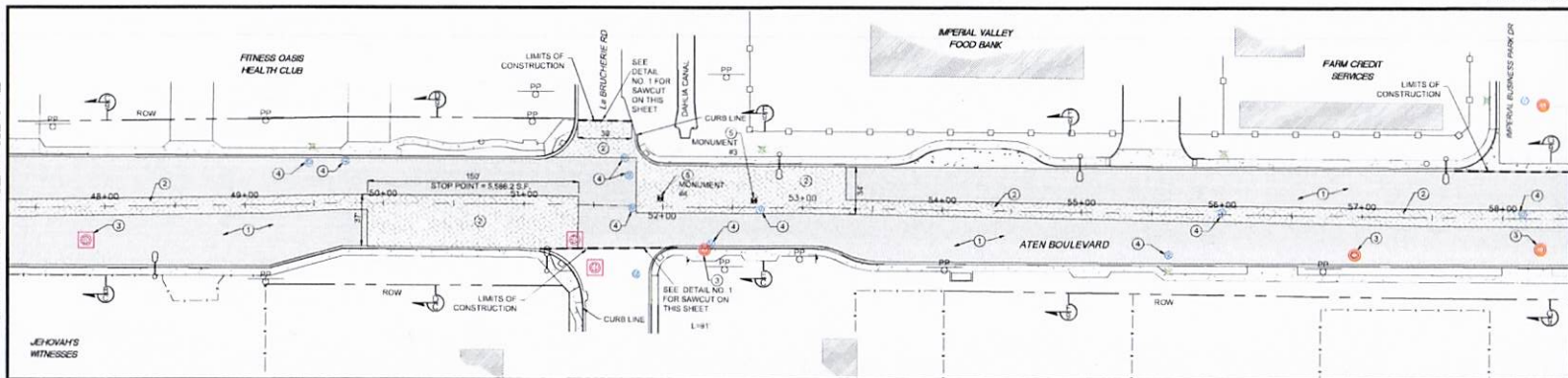
CITY OF IMPERIAL
 IMPROVEMENT PLANS
 DEMOLITION AND EROSION CONTROL
 PLAN SHEET 2
 ATEN BOULEVARD REHABILITATION
 BETWEEN WALNUT WAY AND OLD SR-88
 FEDERAL-AID PROJECT: 8T(B)(L) 5134(02)780-2024-03
 BID NO. 2024-03

DRAWING NO. **D-2**
 PROJECT NO. _____
 DATE: 7.08.2024
 SHEET NO. 5 OF 13

Exhibit 1



47+30 MATCHLINE
SEE PLAN VIEW BELOW



58+50 MATCHLINE
SEE DWG NO 7 OF 13

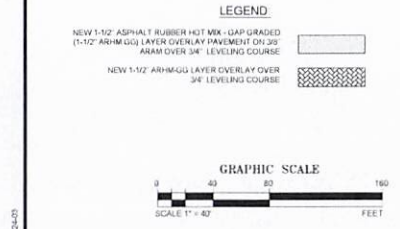
47+30 MATCHLINE
SEE PLAN VIEW ABOVE

- GENERAL NOTES**
1. ALL DIMENSIONS ARE GIVEN IN FEET.
 2. COORDINATES UTM AND ID MARK CALIFORNIA VI.
 3. ALL CONSTRUCTION SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS.
 4. 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.
 5. 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 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 EXISTING SURFACE WATER RUNOFF BY USING TEMPORARY EROSION CONTROL MEASURES AND PROCEDURES NOT PROVIDED IN THIS PLAN.
 6. ALL EXISTING SEWER MANHOLES, WATER VALVES, BOXES, NATURAL GAS AND CATHODIC PROTECTION SHALL 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.
 7. THE SANITARY SEWER MANHOLE NO 22 IN THE TABLE OF STRUCTURES, VALVES AND DEVICES, MAY BE NOT PART OF THIS PROJECT.
 8. THE POLYPROPYLENE RINGS PROPOSED FOR ADJUST SEWER MANHOLES SHOULD BE TESTED TO MEET ASTM D 2038 & HD-25 (LOAD), ASTM C1364, C895, D-4873-13 AND SAE J886 STANDARDS.
 9. STORM DRAIN CATCH BASIN CONCRETE ISLANDS, DO NOT NEED TO BE ADJUSTED. THE NEW AC PAVEMENT MUST MATCH WITH THIS ELEMENT.

- CONSTRUCTION KEYNOTES**
1. CONTRACTOR TO PLACE "SYSTEM 3" NEW 1-1/2" ASPHALT RUBBER HOT MIX - GAP GRADED 11-1/2" ARHM GGD LAYER OVERLAY PAVEMENT ON 3" ARAM OVER 3" LEVELING COURSE OR AS DIRECTED BY ENGINEER. SEE DETAIL NO. 4 ON SHEET 12.
 2. CONTRACTOR TO PLACE 150 FT "SYSTEM 3" STOP POINT NEW 1-1/2" ARHM GGD LAYER OVERLAY OVER 3" LEVELING COURSE OR AS DIRECTED BY ENGINEER. SEE DETAIL NO. 1 & 5 ON SHEET 10.
 3. CONTRACTOR TO PLACE DOUBLE ADJUST IRRIE, EXISTING MANHOLE FRAME COVERS TO BE LOWERED 0.30' BEFORE PAVING. AFTER PAVING ADJUST MANHOLE FRAME COVER 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. DETAIL B NO. 208 & NO. 300. ALSO SEE SHEET NO. 8.
 4. CONTRACTOR TO PLACE DOUBLE ADJUST IRRIE, EXISTING WATER VALVE COVER TO BE LOWERED 0.30' BEFORE PAVING. AFTER PAVING ADJUST WATER VALVE COVER TO 1/2" BELOW GRADE AND INSTALL A PCC CONCRETE RING 8" WIDE AND 8" IN DEEP AROUND THE WATER VALVE COVER PER CITY STD DETAIL NO. 508 (PAVED AREAS). ALSO SEE SHEET NO. 8.
 5. CONTRACTOR TO PLACE DOUBLE ADJUST EXISTING MONUMENT WELL COVER TO BE LOWERED 0.30' BEFORE PAVING. AFTER PAVING ADJUST MONUMENT WELL COVERS TO 1" ABOVE GRADE AND INSTALL A PCC CONCRETE RING 4 IN WIDE AND 14 IN DEEP AROUND THE MONUMENT WELL COVERS PER CITY STD. DETAIL NO. 515. ALSO SEE SHEET NO. 8.
 6. CONTRACTOR TO PLACE DOUBLE ADJUST EXISTING COMMUNICATION 1.5' X 1.5' BOX LOCATED AT PREBLE ROAD INTERSECTION. THE EXISTING BOX TO BE LOWERED 0.30' 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.
 7. CONTRACTOR TO ADJUST (RAISE) CATHODIC PROTECTION FRAME COVER VAULT PER CITY OF IMPERIAL DETAIL B.

EXISTING COVER AND FRAMES LOCATION

NO	STRUCTURE	COORDINATES		STATION	OFFSET	NO	STRUCTURE	COORDINATES		STATION	OFFSET
		X	Y					X	Y		
1	WATER VALVE	6786.578.95	1880.846.76	38+40.34	29.2' LF	16	WATER VALVE	6767.684.48	1880.861.53	49+46.87	29.5' LF
2	CATHODIC PROT.	6786.579.86	1880.850.18	38+41.09	3.2' LF	17	WATER VALVE	6767.710.87	1880.853.19	49+72.55	30.1' LF
3	WATER VALVE	6786.580.28	1880.781.27	38+41.27	35.7' RT	18	STORM M.H.	6767.675.01	1880.826.75	51+38.54	25.1' RT
4	STORM M.H.	6786.602.28	1880.786.70	38+50.07	18.4' RT	19	WATER VALVE	6767.910.46	1880.827.87	51+71.42	34.4' LF
5	WATER VALVE	6786.828.02	1880.782.35	40+59.01	36.0' RT	20	WATER VALVE	6767.913.71	1880.855.34	51+74.86	21.9' LF
6	WATER VALVE	6786.813.04	1880.782.35	40+74.03	36.1' RT	21	WATER VALVE	6767.915.70	1880.831.99	51+76.07	1.4' RT
7	WATER VALVE	6786.820.10	1880.780.87	40+90.06	37.5' RT	22	MONUMENT #4	6767.916.31	1880.839.06	51+98.01	5.9' LF
8	WATER VALVE	6786.830.65	1880.779.58	40+91.82	38.9' RT	23	WATER VALVE	6767.973.41	1880.856.97	52+34.62	26.3' RT
9	STORM M.H.	6786.852.87	1880.769.61	41+13.97	19.0' RT	24	MONUMENT #3	6768.004.04	1880.836.44	52+55.43	5.0' LF
10	STORM M.H.	6767.173.39	1880.802.27	44+34.50	19.8' RT	25	WATER VALVE	6768.006.25	1880.831.84	52+59.60	1.6' RT
11	WATER VALVE	6767.160.49	1880.811.63	44+44.83	9.5' LF	26	WATER VALVE	6768.005.58	1880.825.38	52+62.09	26.5' RT
12	WATER VALVE	6767.203.00	1880.835.58	44+54.28	13.2' LF	27	WATER VALVE	6768.038.41	1880.833.00	52+59.97	1.1' LF
13	WATER VALVE	6767.295.82	1880.835.36	45+17.19	12.9' LF	28	S. SANITARY M.H.	6768.433.47	1880.824.99	56+94.92	27.5' RT
14	WATER VALVE	6767.330.90	1880.784.34	45+91.89	35.5' RT	29	WATER VALVE	6768.052.90	1880.832.52	58+14.32	2.9' LF
15	STORM M.H.	6767.525.28	1880.804.32	47+95.06	23.8' RT	30	S. SANITARY M.H.	6768.912.55	1880.812.55	58+26.80	22.1' RT

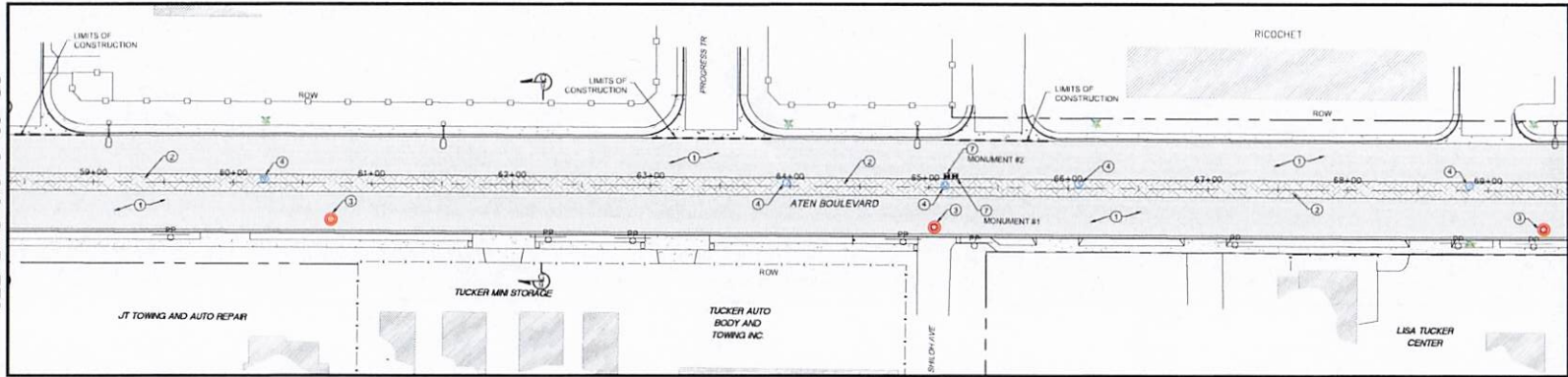


<p>6 MODIFICATION TO BIKE LANE STRIPING O.E. R.M. 10.6.23</p> <p>5 IFR - DRAWING ISSUED FOR REVIEW O.E. R.M. 6.18.23</p> <p>4 IFR - DRAWING ISSUED FOR REVIEW O.E. R.M. 5.31.23</p> <p>3 IFR - DRAWING ISSUED FOR REVIEW O.E. R.M. 3.19.23</p> <p>2 IFR - DRAWING ISSUED FOR REVIEW O.E. R.M. 2.27.23</p> <p>1 IFR - DRAWING ISSUED FOR INFORMATION ONLY O.E. R.M. 2.21.23</p>	<p style="text-align: center;">ENGINEER OF RECORD</p> <p style="text-align: center;">PLANS PREPARED UNDER THE SUPERVISION OF</p> <p style="text-align: center;"><i>Roberto C. Martinez</i></p> <p style="text-align: center;">BY ROBERTO C. MARTINEZ DATE 7.08.2024</p> <p style="text-align: center;">R.C.E. NO. C-74475 REG. EXP. 12-31-2026</p>		<p>DRAWN BY: O.E.</p> <p>DESIGN BY: O.E.</p> <p>CHECK BY: R.M.</p> <p>PROJECTOR: R.M.</p>	<p>VEXER ENGINEERING 1115 S. BARKER BLVD IMPERIAL, CA 92521 (760) 846-0010 VEXER@VEXER.COM</p>	<p style="text-align: center;">CITY OF IMPERIAL</p> <p style="text-align: center;">IMPROVEMENT PLANS</p> <p style="text-align: center;">ROADWAY PLAN SHEET 1</p> <p style="text-align: center;">ATEN BOULEVARD REHABILITATION BETWEEN VLORE WAY AND OLD SR-88 FEDERAL-NO PROJECT #78162, S1346271, 882 NO. 2024-03</p>	<p>DRAWING NO. RD-1</p> <p>PROJECT NO. _____</p> <p>DATE 7.09.2024</p> <p>SHEET NO. 6 OF 13</p>
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ATEN BOULEVARD REHABILITATION (RD NO. 2024-03)

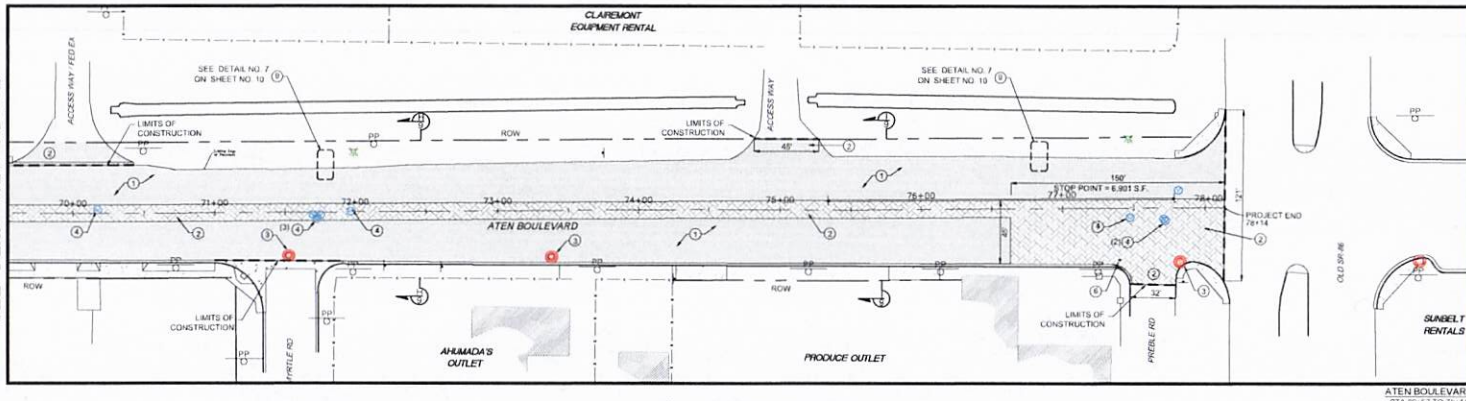
Exhibit 1

58+50 MATCHLINE
SEE DWG NO 6 OF 13



69+57 MATCHLINE
SEE PLAN VIEW BELOW

69+57 MATCHLINE
SEE PLAN VIEW ABOVE



GENERAL NOTES

1. ALL DIMENSIONS ARE GIVEN IN FEET.
2. COORDINATES USE NAD 83 HARN CALIFORNIA V.
3. ALL CONSTRUCTION SHALL CONFORM TO THESE PLANS AND SPECIFICATIONS.
4. 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 CONTRACTOR SHALL PROVIDE ONE COMPLETE SET OF RECORD DOCUMENTS TO THE PROJECT MANAGER.
5. 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 AVOID OTHER UTILITIES NOT SHOWN HEREIN WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THIS PLAN.
6. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE REQUIRED TO CONTROL DRAINAGE OF ON-SITE SURFACE WATER RUNOFF BY USING TEMPORARY EROSION/SEDIMENT CONTROL PROCEDURES NOT PROVIDED IN THIS PLAN.
7. ALL EXISTING SEWER MANHOLES, WATER VALVES, BOXES, NATURAL GAS AND CATHODIC PROTECTION SHALL BE PROTECTED AND ADJUSTED TO GRADES WHEN PAVING THE ROAD.
8. THE CONTRACTOR SHALL MAINTAIN AND PROTECT EXISTING STREETS AND PARKING LOTS PAVEMENT AND UTILITIES NEAR TO THE WORKS. THE CONTRACTOR SHALL ALSO KEEP CLEAR ALL STREETS, PARKING LOTS AND PRIVATE PROPERTY.
9. THE SANITARY SEWER MANHOLE NO 22 IN THE TABLE OF STRUCTURES, VALVES AND DEVICES, SHALL BE PART OF THIS PROJECT.
10. THE POLYPROPYLENE RINGS PROPOSED FOR ADJUST SEWER MANHOLES SHOULD BE TESTED TO MEET ASTM M269 HS-20 & HS-25 LOAD, ASTM C1244, C900, D-4873-13 AND SAE J885 STANDARDS.
11. STORM DRAIN CATCH BASIN CONCRETE SLABS DO NOT NEED TO BE ADJUSTED. THE NEW AC PAVEMENT MUST MATCH WITH THIS ELEMENT.

CONSTRUCTION KEYNOTES

1. CONTRACTOR TO PLACE "SYSTEM 3", NEW 1-1/2" ASPHALT RUBBER HOT MIX - GAP GRADED (1-1/2" ARHM GGL LAYER OVERLAY PAVEMENT ON 3" ARAM OVER 3/4" LEVING COURSE OR AS DIRECTED BY ENGINEER. SEE DETAIL NO. 4 ON SHEET 10.
2. CONTRACTOR TO PLACE 150 FT "SYSTEM 3 - STOP POINT" NEW 1-1/2" ARHM GGL LAYER OVERLAY OVER 3/4" LEVING COURSE OR AS DIRECTED BY ENGINEER. SEE DETAIL NO. 1 & 3 ON SHEET 10.
3. CONTRACTOR TO PLACE DOUBLE ADJUST (RISE) EXISTING MANHOLE. FRAME COVERS TO BE LOWERED 8.30" BEFORE PAVING. AFTER PAVING ADJUST MANHOLE FRAME COVER TO 3/8" BELOW GRADE AND INSTALL A PPC CONCRETE RING ONE-FOOT WIDE AND ONE-FOOT DEEP AROUND THE MANHOLE FRAME COVER. CONCRETE COMPRESSIVE STRENGTH SHALL BE A MINIMUM OF 4,150 PSI FOR SPECIFIC INFORMATION, SEE CITY STD. DETAILS NO 208 & 160. ALSO SEE SHEET NO. 8.
4. CONTRACTOR TO PLACE DOUBLE ADJUST (RISE) EXISTING WATER VALVE COVER TO BE LOWERED 8.30" BEFORE PAVING. AFTER PAVING ADJUST WATER VALVE COVER TO 1/2" BELOW GRADE AND INSTALL A PPC CONCRETE RING 8 IN WIDE AND 8 IN DEEP AROUND THE WATER VALVE COVER PER CITY STD DETAIL NO. 508 (PAVED AREA). ALSO SEE SHEET NO. 8.
5. CONTRACTOR TO PLACE DOUBLE ADJUST EXISTING MONUMENT WELL COVER TO BE LOWERED 8.30" BEFORE PAVING. AFTER PAVING ADJUST MONUMENT WELL COVERS TO 1/4" ABOVE GRADE AND INSTALL A PPC CONCRETE RING 4 IN WIDE AND 14 IN DEEP AROUND THE MONUMENT WELL COVERS PER CITY STD. DETAIL NO 515. ALSO SEE SHEET NO. 8.
6. CONTRACTOR TO PLACE DOUBLE ADJUST EXISTING COMMUNICATION 12 X 13 BOX LOCATED AT PREEBLE ROAD INTERSECTION. THE EXISTING BOX TO BE LOWERED 2.0" BEFORE PAVING. AFTER PAVING ADJUST COMMUNICATION BOX TO 3/8" BELOW GRADE AND INSTALL A PPC CONCRETE RING 8 IN WIDE AND 8 IN DEEP AROUND THE BOX.
7. CONTRACTOR TO ADJUST (RISE) CATHODIC PROTECTION FRAME COVER VALVE PER CITY OF IMPERIAL DETAILS.
8. 4" THICK AC PAVEMENT ON 12" THICK BASE COMPACTED TO 95% OF MAX DENSITY OVER 12" SUBGRADE COMPACTED TO 95% OF MAX DENSITY. A.C. COURSE OF 1/2" RAP OF 1/2" HMA AND 2" BASE COURSE OF 3/4" HMA.

EXISTING COVER AND FRAMES LOCATION

NO	STRUCTURE	COORDINATES		STATION	OFFSET	NO	STRUCTURE	COORDINATES		STATION	OFFSET
		X	Y					X	Y		
31	WATER VALVE	6768.760.85	1880.837.07	62+22.27	3.4' LF	43	WATER VALVE	6769.906.42	1880.842.96	71+69.82	1.1 RT
32	S. SANITARY M.H.	6768.809.25	1880.808.32	62+07.40	25.6 RT	44	WATER VALVE	6769.911.16	1880.838.06	71+72.51	4.1 RT
33	WATER VALVE	6768.136.04	1880.838.56	63+97.43	2.9' LF	43	WATER VALVE	6769.913.74	1880.843.96	71+75.13	1.2 RT
34	S. SANITARY M.H.	6768.242.69	1880.807.83	65+03.62	28.5' RT	46	WATER VALVE	6769.933.32	1880.834.05	71+08.76	3.0 LF
35	WATER VALVE	6768.250.01	1880.837.95	65+11.39	1.5' LF	47	S. SANITARY M.H.	6770.076.84	1880.812.62	73+37.67	32.6 RT
36	MONUMENT #2	6768.251.40	1880.844.03	65+12.82	7.8' LF	48	TRAFFIC LOOP	6770.313.92	1880.825.59	75+74.96	23.1 RT
37	MONUMENT #1	6768.257.28	1880.842.24	65+18.70	7.9' LF	49	COMB. BOX	6770.476.91	1880.814.99	77+39.72	36.6 RT
38	WATER VALVE	6768.346.13	1880.840.34	65+07.53	3.5' LF	50	WATER VALVE	6770.465.79	1880.845.58	77+47.17	6.3 RT
39	WATER VALVE	6768.625.13	1880.842.25	68+06.57	3.8' LF	51	WATER VALVE	6770.509.45	1880.845.14	77+70.62	7.3 RT
40	S. SANITARY M.H.	6768.678.90	1880.811.34	69+40.10	27.5' RT	52	WATER VALVE	6770.510.76	1880.843.79	77+72.10	6.8 RT
41	WATER VALVE	6768.756.10	1880.842.48	70+17.32	3.0' LF	53	WATER VALVE	6770.516.47	1880.855.33	77+81.22	12.7 LF
42	S. SANITARY M.H.	6768.867.43	1880.811.18	71+52.27	30.6 RT	54	S. SANITARY M.H.	6770.521.03	1880.814.54	77+81.81	38.1 RT



NO	DESCRIPTION	DATE	BY	APP.	DATE
6	MODIFICATION TO BIKE LANE STRIPING	10.6.23	R.M.		
5	IFR - DRAWING ISSUED FOR REVIEW	6.18.23	R.M.		
4	IFR - DRAWING ISSUED FOR REVIEW	5.31.23	R.M.		
3	IFR - DRAWING ISSUED FOR REVIEW	3.18.23	R.M.		
2	IFR - DRAWING ISSUED FOR REVIEW	2.27.23	R.M.		
1	IFR - DRAWING ISSUED FOR INFORMATION ONLY	2.21.23	R.M.		

BY: ENGINEER OF RECORD
 PLANS PREPARED UNDER THE SUPERVISION OF
 BY: ROBERTO C. MARTINEZ DATE: 7.08.2024
 R.C.E. NO. C-74475 REG. EXP. 12.31.2025



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

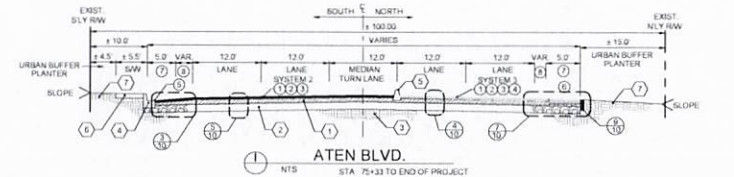
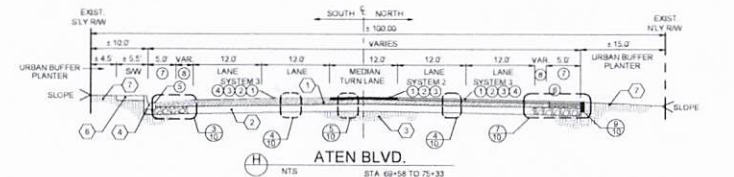
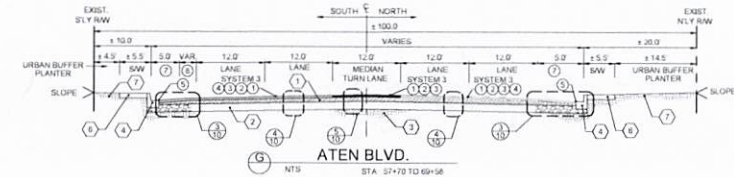
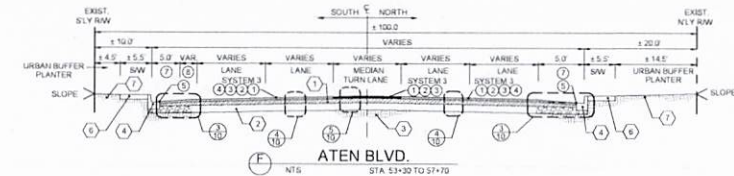
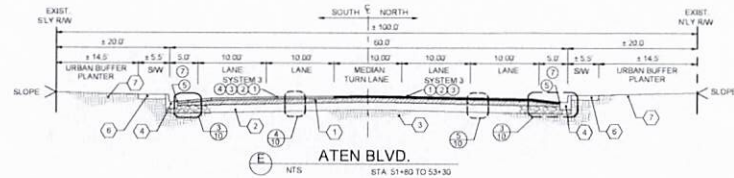
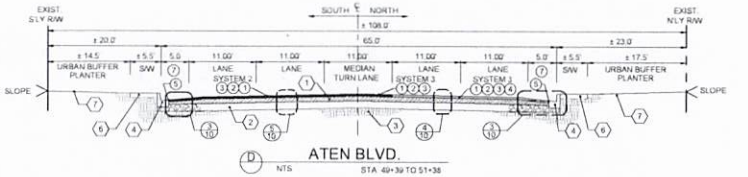
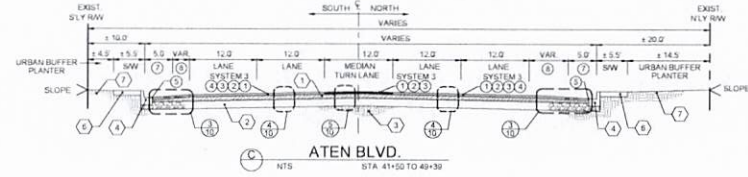
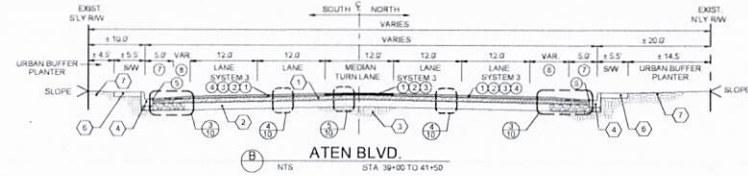
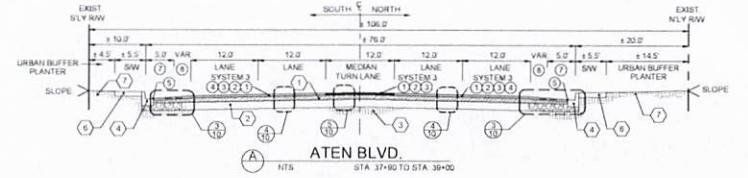


CITY OF IMPERIAL
 IMPROVEMENT PLANS
 ROADWAY PLAN SHEET 2
 ATEN BOULEVARD REHABILITATION
 BETWEEN VILCURE WAY AND OLD SR-46
 FEDERAL-AID PROJECT 318GL 516(027) BID NO. 2024-03

DRAWING NO: RD-2
 PROJECT NO:
 DATE: 7.08.2024
 SHEET NO: 7 OF 13

ATEN BOULEVARD REHABILITATION (RD-2) 2024-03

Exhibit 1



GENERAL NOTES

1. NO UNDERGROUND UTILITIES ARE SHOWING IN THE DRAWING.
2. NO AERIAL FACILITIES ARE SHOWING IN THIS DRAWING.
3. ALL THE DISTANCES AREA APPROXIMATE.
4. ALL DISTANCES ARE IN FEET.
5. CONSULT CALTRANS 2022 STD PLANS

CONSTRUCTION KEYNOTES

- 1 1" COLD MILL
- 2 3/4" LEVELING COURSE
- 3 1 1/2" ARHM OG (7)
- 4 3/8" ARAM
- 5 FINISH PAVEMENT SHALL BE 2" ABOVE GUTTER LIP.
- 6 CONSTRUCT PAVEMENT EDGE TREATMENT PER CALTRANS P3 CASE A STD.
- 7 CONSTRUCT BIKE LANE
- 8 STREET BUFFER
- 9 INSTALL 2"X6" REDWOOD HEADER HEADBOARDS

EXISTING COMPONENTS OF THE CROSS SECTIONS

- 1 EXISTING ASPHALT CONCRETE COURSE TO BE GRINDING
- 2 EXISTING AGGREGATE BASE COURSE
- 3 EXISTING SUB-BASE COURSE OR SURGRADE
- 4 EXISTING P.C.C. CURB & GUTTER
- 5 EXISTING P.C.C. CURB
- 6 EXISTING P.C.C. SIDEWALK
- 7 EXISTING NATIVE SOIL

ATEX/BLVD/ARD/REHABILITATION/BD NO. 2024-03

5	MODIFICATION TO BIKE LANE STRIPPING	O.E.	R.M.	10.6.23	BY	ENGINEER OF RECORD
4	IFR - DRAWING ISSUED FOR REVIEW	O.E.	R.M.	6.18.23	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	BY	ROBERTO C. MARTINEZ DATE 7.09.2024
1	IFR - DRAWING ISSUED FOR INFORMATION ONLY	O.E.	R.M.	2.27.23	R.C.E. NO.	C-74475 REG. EXP. 12-31-2025
MARK		BY	APP.	DATE		



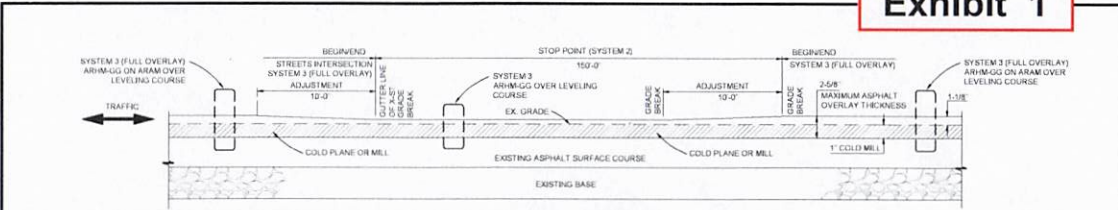
DRAWN BY: O.E.
DESIGN BY: O.E.
CHECK BY: R.M.
PROJ MGR: R.M.



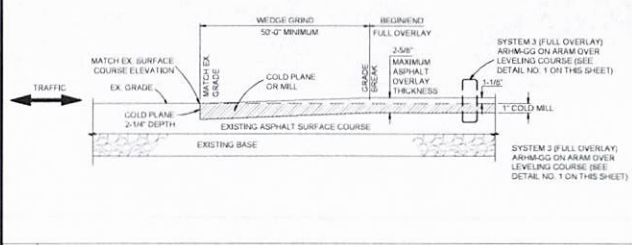
CITY OF IMPERIAL
IMPROVEMENT PLANS
PROPOSED ROADWAY
X-SECTIONS PLAN
ATEX/BLVD/ARD/REHABILITATION
BETWEEN MIDRE WAY AND OLD SR-96
FEDERAL-AD PROJECT STRIGL 01340271 BID NO. 2024-03
WG

DRAWING NO. **RS-1**
PROJECT NO. _____
DATE 7.09.2024
SHEET NO. 8 OF 13

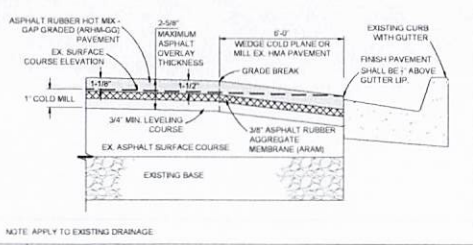
Exhibit 1



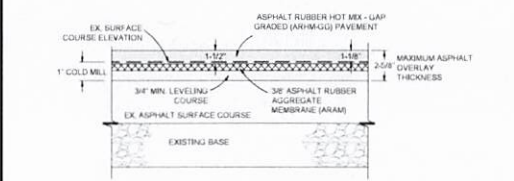
1 SYSTEM 3 / STOP POINT ARHM-GG OVER LEVELING COURSE (N.T.S.)



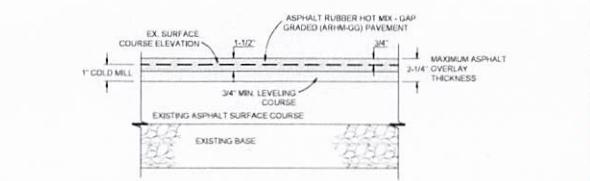
2 SYSTEM 3 / EXISTING STRUCTURE APPROACH PAVEMENT TRANSITION TAPER (TERMINATION JOIN) ARHM-GG ON ARAM OVER LEVELING COURSE (N.T.S.)



3 SYSTEM 3 ARHM-GG ON ARAM OVER LEVELING COURSE CONFORM TO EXISTING CURB WITH GUTTER DETAIL (N.T.S.)



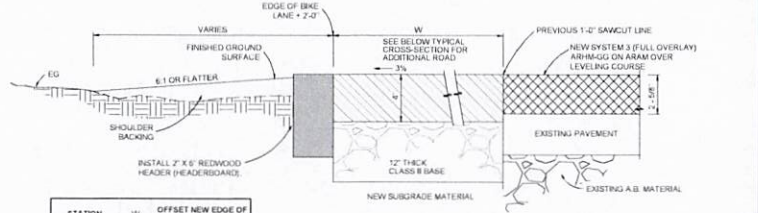
4 SYSTEM 3 ARHM-GG ON ARAM OVER LEVELING COURSE (N.T.S.)



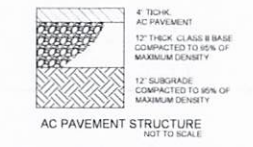
5 SYSTEM 3 MEDIAN / STOP POINT PAVEMENT SECTION ARHM-GG OVER ARAM (N.T.S.)



6 SYSTEM 3 WEDGE GRIND LIMITS AT CROSS STREETS ARHM-GG ON ARAM OVER LEVELING COURSE (N.T.S.)

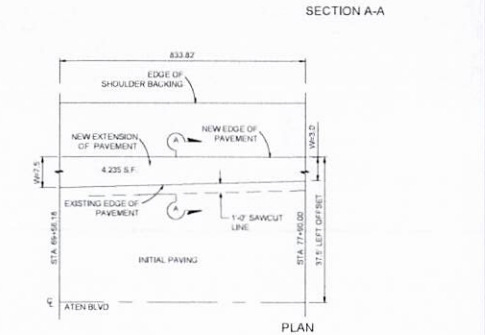


STATION	W	OFFSET NEW EDGE OF PAVEMENT
STA 70+72.40	7.5	37.5 LF
STA 72+11.40	8.5	37.5 LF
STA 74+85.15	3.0	37.5 LF
STA 75+53.10	3.0	37.5 LF
STA 78+45.40	3.0	37.5 LF

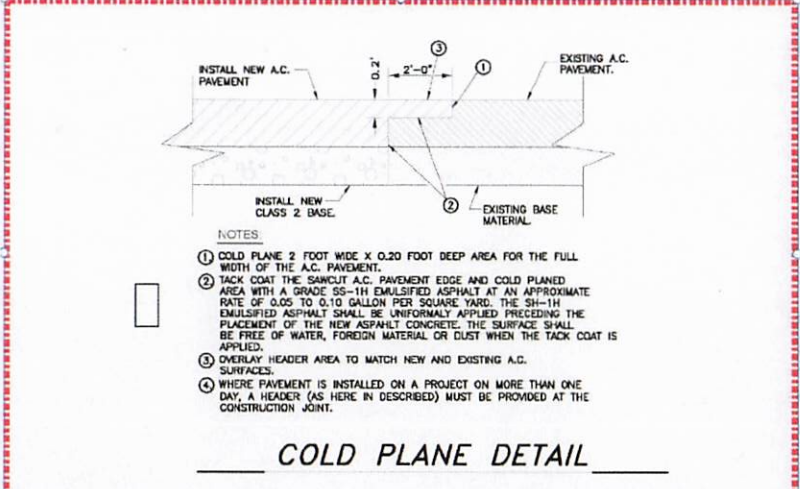


AC PAVEMENT STRUCTURE NOT TO SCALE

TYPICAL CROSS-SECTION FOR ADDITIONAL ROAD TO BE INSTALLED ALONG THE NORTH SIDE OF ATEN BLVD BETWEEN ACCESS WAY AND OLD SR-86 TO ACCOMMODATE THE NEW BIKE LANE.



7 PAVEMENT EDGE TREATMENTS - OVERLAYS BETWEEN STA. 69+56.18 TO STA. 79+90.00 (N.T.S.)



COLD PLANE DETAIL

ATEN BOULEVARD REHABILITATION (RD NO. 2024)23

NO.	DESCRIPTION	DATE	BY	APP.	DATE
5	MODIFICATION TO BIKE LANE STRIPING	08.23	O.E.	R.M.	10.6.23
5	IFR - DRAWING ISSUED FOR REVIEW	08.23	O.E.	R.M.	5.19.23
4	IFR - DRAWING ISSUED FOR REVIEW	08.23	O.E.	R.M.	5.31.23
3	IFR - DRAWING ISSUED FOR REVIEW	08.23	O.E.	R.M.	3.19.23
2	IFR - DRAWING ISSUED FOR REVIEW	08.23	O.E.	R.M.	2.27.23
1	IFR - DRAWING ISSUED FOR INFORMATION ONLY	08.23	O.E.	R.M.	2.27.23

BY	ENGINEER OF RECORD	DATE	REG. EXP.
	ROBERTO C. MARTINEZ	7-08-2024	12-31-2025

SEAL	O.E.	DRAWN BY	O.E.

VEXER ENGINEERING
 714 S. BARNUM BLVD
 IMPERIAL, CA 92241
 (760) 544-6338

City of Imperial
 IMPROVEMENT PLANS
 ROADWAY DETAILS PLAN

CITY OF IMPERIAL	DRAWING NO.
IMPROVEMENT PLANS ROADWAY DETAILS PLAN	RS-1

PROJECT NO.	DATE	SHEET NO.
	7.09.2024	10 OF 13

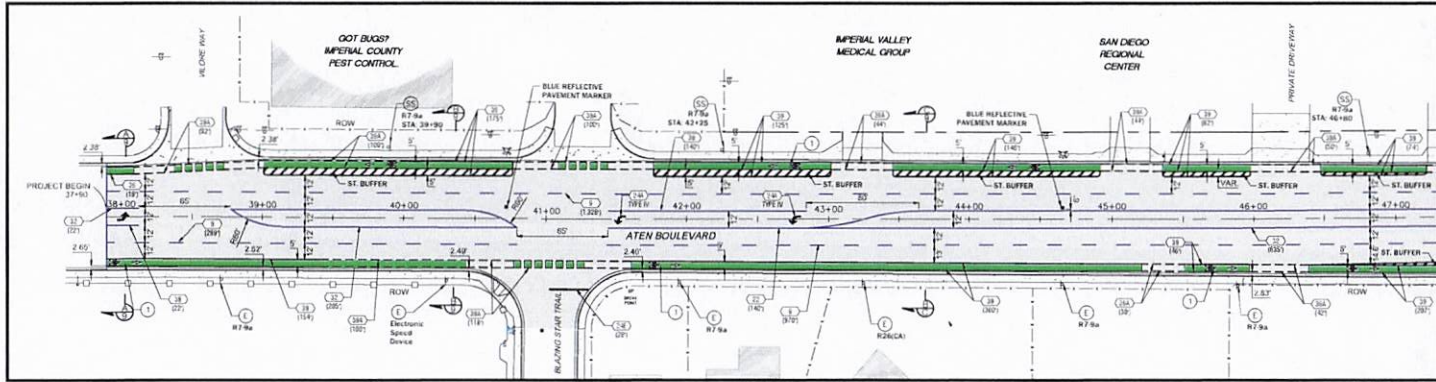
Exhibit 1

LEGEND

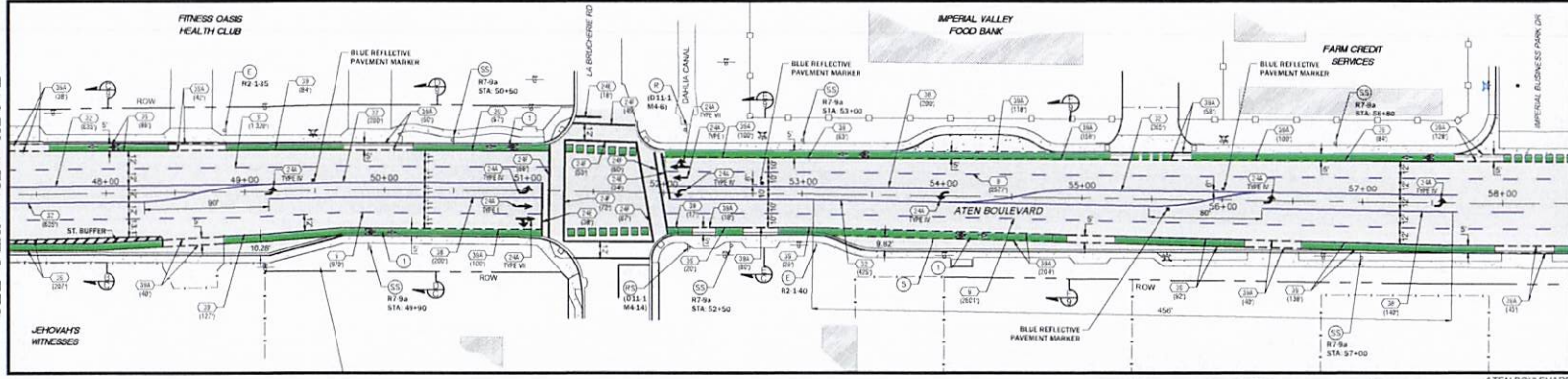
- STRIPING DETAIL NO.
- THERMOPLASTIC TYPE IV ARROW PAVEMENT MARKING
- THERMOPLASTIC TYPE I ARROW PAVEMENT MARKING
- THERMOPLASTIC TYPE VI ARROW PAVEMENT MARKING
- EXISTING HYDRANT
- INSTALL SIGN-STRAP AND SADDLE BRACKET METEWS PER CALTRANS STD. PLAN R54
- REMOVE ROADSIDE SIGN AND POST

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 DELIMITATION BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
5. FOR MID-DAY WORK (8:00am-8:00pm) 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



58+50 MATCHLINE
SEE DWG NO 12 OF 13

SIGNAGE KEYNOTES

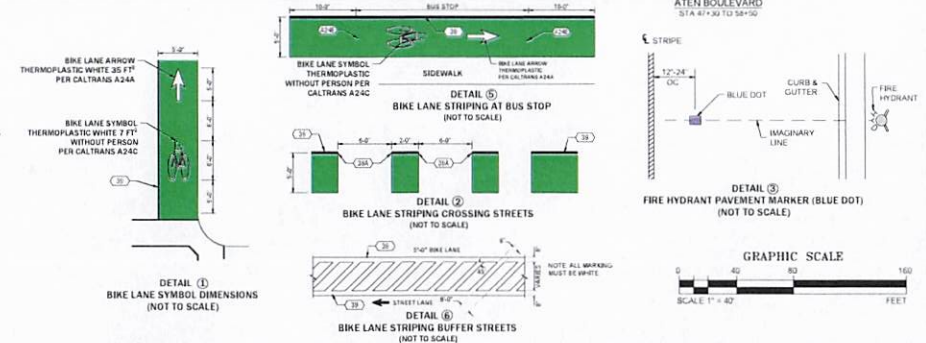
SIGN CODE	SIGN DESCRIPTION	SIGN LOCATION	STATION	OFFSET	X	Y	POST MATERIAL	POST SIZE
R7-9a	NO PARKING / BIKE LANE SIGN	STA. 39+00	48.5 LF	12"	18"	STEEL	2' x 2'	
R7-9a	NO PARKING / BIKE LANE SIGN	STA. 42+25	48.5 LF	12"	18"	STEEL	2' x 2'	
R7-9a	NO PARKING / BIKE LANE SIGN	STA. 46+00	44.0 LF	12"	18"	STEEL	2' x 2'	
R7-9a	NO PARKING / BIKE LANE SIGN	STA. 49+90	38.3 RT	12"	18"	STEEL	2' x 2'	
R7-9a	NO PARKING / BIKE LANE SIGN	STA. 50+50	34.0 LF	12"	18"	STEEL	2' x 2'	
R7-9a	NO PARKING / BIKE LANE SIGN	STA. 52+50	34.8 RT	12"	18"	STEEL	2' x 2'	
R7-9a	NO PARKING / BIKE LANE SIGN	STA. 54+00	37.1 LF	12"	18"	STEEL	2' x 2'	
R7-9a	NO PARKING / BIKE LANE SIGN	STA. 56+00	40.2 LF	12"	18"	STEEL	2' x 2'	
R7-9a	NO PARKING / BIKE LANE SIGN	STA. 57+00	37.0 RT	12"	18"	STEEL	2' x 2'	

SIGNING & BLUE DOT NOTES:

1. STATION AND OFFSET PROVIDED FOR SIGNS ARE TO THE SIGN CENTERLINE.
2. STREET SIGNS 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 3M 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 INTERSECTIONS.
6. A BLUE REFLECTIVE MARKER WILL BE PLACED 6" FROM THE CENTER OF THE PAINTED LINES AS PER CALTRANS STD. MULT-4406-G OR MWL-4406-G 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 HEREIN).
7. THE "BLUE DOT" SHALL BE APPLIED USING HOT MELT RETROREFLECTIVE ADHESIVE. THE MARKER SHALL BE APPLIED TO A DRY, OBT. FREE STREET AND ENOUGH ADHESIVE SHALL BE APPLIED SO THAT SOME ADHESIVE COEZES OUT AROUND THE EDGES OF THE "BLUE DOT".

PAVEMENT MARKING AND STRIPING KEYNOTES

- (1) PAINT THERMOPLASTIC 4" BROKEN WHITE LINE PER CALTRANS A22A, DETAIL 9
 - (2) PAINT THERMOPLASTIC WHITE TYPE I (L) OR TYPE VI (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" BROKEN WHITE LINE BIKE LANE INTERSECTION LINE PER CALTRANS A20D, DETAIL 39A
- INSTALL BLUE REFLECTIVE FIRE HYDRANT PAVEMENT MARKER PER FIGURE 3B-102A, 2023 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 (0A-14)



ATEN BOULEVARD REHABILITATION, BID NO. 2024-03

NO.	DESCRIPTION	DATE	BY
5	MODIFICATION TO BIKE LANE STRIPING	06.28.2024	R.M.
4	IFR - DRAWING ISSUED FOR REVIEW	06.19.2024	R.M.
5	IFR - DRAWING ISSUED FOR REVIEW	06.19.2024	R.M.
3	IFR - DRAWING ISSUED FOR REVIEW	06.19.2024	R.M.
2	IFR - DRAWING ISSUED FOR REVIEW	06.19.2024	R.M.
1	IFR - DRAWING ISSUED FOR REVIEW	06.19.2024	R.M.



BY	ENGINEER OF RECORD
PLANS PREPARED UNDER THE SUPERVISION OF	
BY	ROBERTO C. MARTINEZ
DATE	7.09.2024
R.C.E. NO.	C-74475
REG. EXP.	12-31-2025

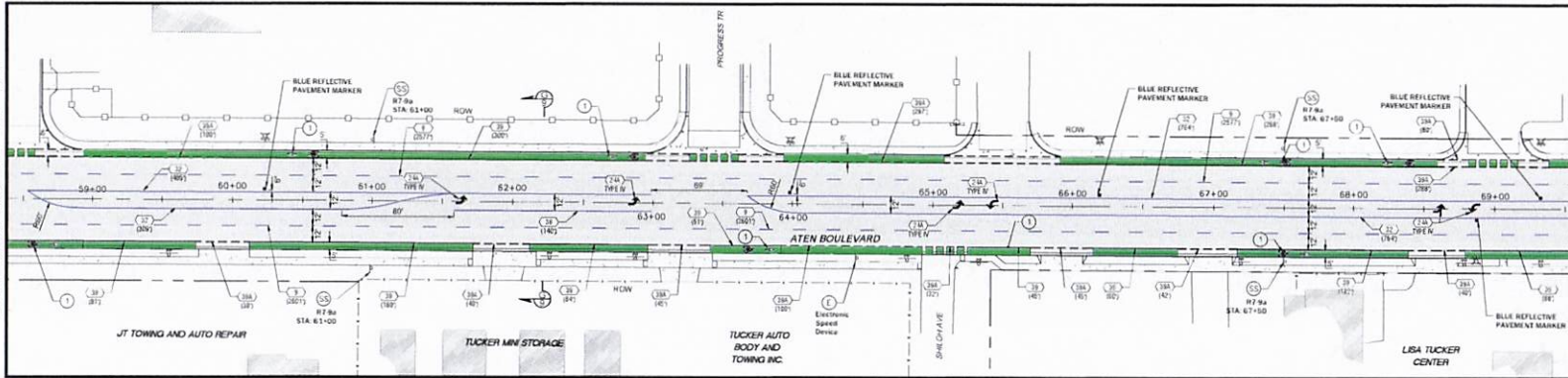


CITY OF IMPERIAL	
IMPROVEMENT PLANS	
SIGNING AND STRIPING PLAN	
SHEET 1	
ATEN BOULEVARD REHABILITATION BETWEEN VILDE LINE WAY AND OLD SR-86	
FEDERAL-AID PROJECT: R78GL 2134(027) BID NO. 2024-03	

DRAWING NO.	CH-1
PROJECT NO.	
DATE	7.09.2024
SHEET NO.	11 OF 13

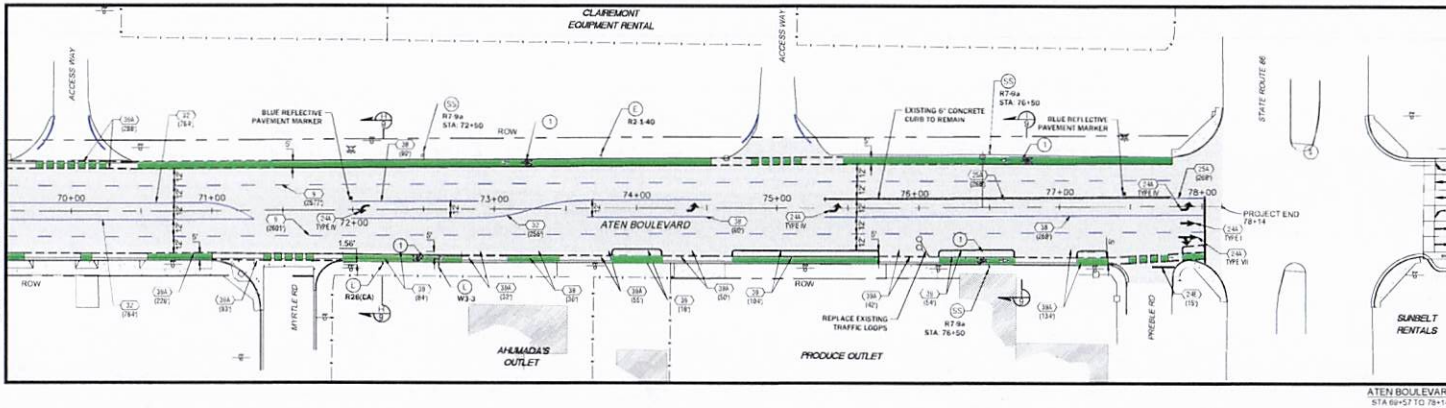
Exhibit 1

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 IV ARROW PAVEMENT MARKING
 - THERMOPLASTIC TYPE V ARROW PAVEMENT MARKING
 - THERMOPLASTIC TYPE VII ARROW PAVEMENT MARKING
 - EXISTING HICROUT

- STRIPING GENERAL NOTES**
1. ALL WORK AND MATERIALS SHALL CONFORM WITH THE CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD), 2014 EDITION AND 2008 STANDARD PLAN AND SPECIFICATIONS.
 2. ALL TEMPORARY STRIPING AND MARKINGS SHALL BE TEMPORARY TRAFFIC STRIPES (ARTD) 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 COLLECTING STRIPING AND PAVEMENT MARKINGS BY WET SANDBLASTING OR AS DIRECTED BY THE CITY ENGINEER.
 4. THE CONTRACTOR SHALL HAVE ALL TEMPORARY DELINEATORS, BARRIERS, ETC. PROPERLY INSTALLED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 5. FOR MID-DAY WORK (8:00am-3:00pm) OR SHORT TERM LANE CLOSURES, TRAFFIC CONTROL SHALL COMPLY WITH 2014 EDITION OF CA MUTCD.
 6. REMOVE ALL COLLECTING STRIPING.

SIGNAGE KEYNOTES

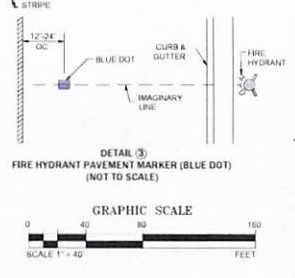
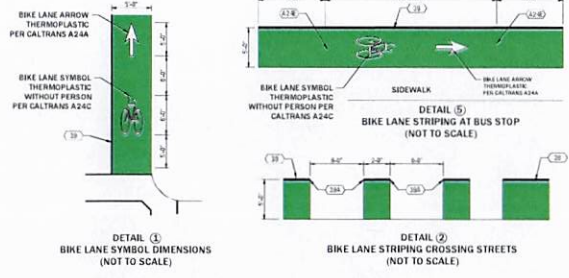
SIGN CODE	SIGN DESCRIPTION	SIGN LOCATION	SIGN SIZE	POST	POST SIZE
R7-9a	NO PARKING / BIKE LANE SIGN	STA 61+00	41.9 LF 12' 18"	STEEL	2' x 2 1/2'
R7-9a	NO PARKING / BIKE LANE SIGN	STA 61+00	46.7 FT 12' 18"	STEEL	2' x 2 1/2'
R7-9a	NO PARKING / BIKE LANE SIGN	STA 67+50	40.1 LF 12' 18"	STEEL	2' x 2 1/2'
R7-9a	NO PARKING / BIKE LANE SIGN	STA 67+50	36.0 FT 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+50	38.5 LF 12' 18"	STEEL	2' x 2 1/2'
R7-9a	NO PARKING / BIKE LANE SIGN	STA 76+50	41.5 FT 12' 18"	STEEL	2' x 2 1/2'

SIGNING & BLUE DOT NOTES:

1. STATION AND OFFSET PROVIDED FOR SIGNS ARE TO THE SIGN CENTERLINE.
2. STREET SIGNS 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 3M 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 INTERSECTIONS.
6. A BLUE REFLECTIVE MARKER WILL BE PLACED 6" FROM THE CENTER OF THE PAINTED LINES AS PER PLACEMENT STD 304-14080 OR 304-14080-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 HEREIN.
7. 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 OGGES OUT AROUND THE EDGES OF THE "BLUE DOT".

PAVEMENT MARKING AND STRIPING KEYNOTES

- (T) PAINT THERMOPLASTIC 4" BROKEN WHITE LINE PER CALTRANS A204, DETAIL 9
- (L6) PAINT THERMOPLASTIC WHITE TYPE I (10' 0", TYPE IV (L) OR TYPE VII (L) ARROWS PER CALTRANS STANDARD PLAN A24A
- (EX) INSTALL PAVEMENT MARKINGS WORDS WHITE THERMOPLASTIC PER CALTRANS A24E
- (L8) PAINT THERMOPLASTIC 1" 0" WHITE BASIC TYPE LINE PER CALTRANS STANDARD PLAN A24F
- (S5) PAINT THERMOPLASTIC 4" SOLID YELLOW LINE PER CALTRANS 20A, DETAIL 25A
- (S2) PAINT THERMOPLASTIC 4" DOUBLE SOLID YELLOW LINE PER CALTRANS A205, DETAIL 32
- (S3) PAINT THERMOPLASTIC 8" SOLID WHITE LINE PER CALTRANS A200, DETAIL 38
- (S4) PAINT THERMOPLASTIC 6" SOLID WHITE LINE BIKE LANE PER CALTRANS A200, DETAIL 39
- (S6) PAINT THERMOPLASTIC 4" BROKEN WHITE LINE BIKE LANE INTERSECTION LINE PER CALTRANS A200, DETAIL 39A
- INSTALL BLUE REFLECTIVE FIRE HYDRANT PAVEMENT MARKER PER FIGURE 3B-102A, 2023 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)



ATEN BOULEVARD REHABILITATION: BID NO. 2024-03

<p>6 MODIFICATION TO BIKE LANE STRIPING O.E. R.M. 10.8.23</p> <p>5 IFR - DRAWING ISSUED FOR REVIEW O.E. R.M. 6.18.23</p> <p>4 IFR - DRAWING ISSUED FOR REVIEW O.E. R.M. 5.31.23</p> <p>3 IFR - DRAWING ISSUED FOR REVIEW O.E. R.M. 3.18.23</p> <p>2 IFR - DRAWING ISSUED FOR REVIEW O.E. R.M. 2.27.23</p> <p>1 IFR - DRAWING ISSUED FOR INFORMATION ONLY O.E. R.M. 2.21.23</p>	<p>BY ENGINEER OF RECORD</p> <p>PLANS PREPARED UNDER THE SUPERVISION OF</p> <p>BY ROBERTO C. MARTINEZ DATE: 7.08.2024</p> <p>R.C.E. NO. C-74475 REG. EXP. 12-31-2025</p>	<p>SEAL</p>	<p>DRAWN BY O.E.</p> <p>DESIGN BY O.E.</p> <p>CHECK BY R.M.</p> <p>PRG./MGR. R.M.</p>		<p style="text-align: center;">CITY OF IMPERIAL</p> <p style="text-align: center;">IMPROVEMENT PLANS</p> <p style="text-align: center;">SIGNING AND STRIPING PLAN</p> <p style="text-align: center;">SHEET 2</p> <p style="text-align: center;">ATEN BOULEVARD REHABILITATION BETWEEN VILDRINE WAY AND OLD SR-86 FEDERAL-AD PROJECT #786G, 13140271 BID NO. 2024-03</p>	<p>DRAWING NO. CH-2</p> <p>PROJECT NO.</p> <p>DATE: 7.08.2024</p> <p>SHEET NO. 12 OF 13</p>
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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 SILT 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 STORMWATER MANAGEMENT
	BMP NS-1 WATER CONSERVATION PRACTICES BMP NS-3 PAVING AND GRADING OPERATIONS BMP NS-6 ELECT CONNECTIONS/CHARGE BMP NS-6 VEHICLE AND EQUIPMENT CLEANING BMP NS-12 CONCRETE CURING BMP NS-12 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 SOLID WASTE MANAGEMENT BMP WM-8 CONCRETE WASTE MANAGEMENT BMP WM-9 SANITARY/SEPTIC WASTE MANAGEMENT

THE CONSTRUCTION SEQUENCE NOTES

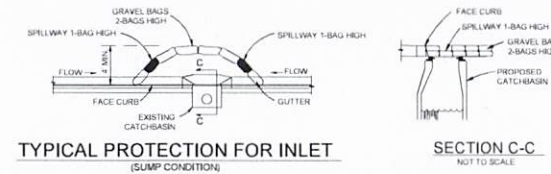
EROSION AND SEDIMENT RECOMMENDED CONSTRUCTION SEQUENCE

- 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
- CLEARING 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, PAVES, 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 INSTALLED 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 UPGRADDED 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 CASGA BMP EC-12
- 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 TRACKER. THE CONTRACTOR SHALL MAINTAIN THE DUST CONTROL MEASURES THROUGH DRY WEATHER PERIODS UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED IMMEDIATELY RESTORABLE AREAS DISTURBED BY CONTRACTOR'S OPERATIONS OR OTHER ACTIVITIES (WIND, WATER, VANDALISM, ETC.)
- STRIPPING, 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-LADEN RUNOFF ENTERING TO AVOID RISK OF REDUCING THE ABILITY OF THE SYSTEMS TO INFILTRATE. 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 CLAY, SOILS, AND LANDSCAPE MATERIALS, SHALL BE COVERED WHEN NOT BEING INCORPORATED IN THE WORK. EROSION CONTROL BMPs SHALL BE UTILIZED AS NECESSARY TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING OR SEDIMENT BEING TRANSPORTED FROM THESE AREAS FROM 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 CASGA STORMWATER BMP HANDBOOK FOR CONSTRUCTION ACTIVITIES
- SEDIMENT-LADEN 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 CASGA STORMWATER BMP NON-STORM WATER 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 UNUSED CONCRETE AND ANY WASH WATER BACK TO MIXING PLANT FOR DISPOSAL. IF CONCRETE PUMPS ARE 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 CASGA STORMWATER BMP HANDBOOK AND MATERIAL POLLUTION CONTROL SPECIFICATIONS
- OFF SITE STORMWATER SHALL BE HANDLED PER CASGA 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 (ESCC) LEAD THAT HAS A CURRENT CERTIFICATE OF TRAINING IN CONSTRUCTION SITE EROSION AND SEDIMENT CONTROL FROM AN APPROVED CASGA 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 CASGA 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 UTILIZED 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 ENCRoACHMENT OF SEDIMENT
- MAINTENANCE AND REPAIR OF HEAVY EQUIPMENT AND VEHICLES WHICH INVOLVE POTENTIAL CONTAMINANTS (OIL, SOLVENTS, HYDRAULIC FLUID, ETC.) MUST BE CONDUCTED IN A MANNER WHICH PREVENTS CONTAMINATION OF SOILS, SURFACE WATER AND GROUND WATER. TIRPS, CRIP-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 SWEEPING AND BE TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER. ALL COST ASSOCIATED WITH THIS WORK SHALL BE INCIDENTAL TO THE VARIOUS RELATED BID ITEMS
- ALL TEMPORARY BMPs SHALL BE REMOVED PER CASGA SPECIFICATIONS WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS AGREED
- ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED AFTER FINAL GRADING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM
- CONCRETE WASTE MANAGEMENT, VEHICLE AND EQUIPMENT CLEANING, FUELING AND MAINTENANCE PROCEDURES SHALL BE CONTRACTOR LIABILITY



CURB INLET SEDIMENT BARRIERS CONSTRUCTION SPECIFICATIONS

- PLACE CURB TYPE SEDIMENT BARRIERS "OPTION A" AT EVERY PROPOSED INLET WHERE WATER CAN POOND 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 POOND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF
- GRAVEL BAGS OF EITHER BURLAP OR WOVEN GEOTEXTILE FABRIC ARE FILLED WITH 3/4" HORN DRUM ROCK OR 1/4" PEA GRAVEL OVER LAPPED AND PACKED TIGHTLY
- GRAVEL BAGS SHALL BE PLACED BY A CURVED ROW FROM THE TOP OF CURB AT LEAST 4 FT INTO THE STREET. THE ROW SHOULD BE CURVED AT THE ENDS, POINTING UPHILL
- 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 CONTINGENTARY 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
- THE 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

APPENDIX 1 - REVIEWED REVISIONS TO SWPPP ELEMENTS AND BMPs

NO.	DESCRIPTION	DATE	BY	APP.	DATE	BY	DATE	REVISION
6	MODIFICATION TO BIKE LANE STRIPING	O.E.	R.M.		10.0.23			
5	IFR - DRAWING ISSUED FOR REVIEW	O.E.	R.M.		9.18.23			
4	IFR - DRAWING ISSUED FOR REVIEW	O.E.	R.M.		9.13.23			
3	IFR - DRAWING ISSUED FOR REVIEW	O.E.	R.M.		9.13.23			
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 ENGINEER OF RECORD PLANS PREPARED UNDER THE SUPERVISION OF  BY ROBERTO C. MARTINEZ DATE 7.08.2024	SEAL 	DRAWN BY D.E. DESIGN BY D.E. CHECK BY R.M. PROJ. MGR. R.M.	 3112 S. BROADWAY IMPERIAL, CA 92521 (760) 944-8339 VEXER@VEXER.COM VEXER.COM	CITY OF IMPERIAL IMPROVEMENT PLANS SITE PREPARATION AND EROSION CONTROL GENERAL NOTES ALL SLOPES AND REPAIRS SHALL BE BETWEEN WILDERE WAY AND OLD SR-86 FEDERAL AND PROJECT STR. 1514(02) BID NO. 2024-02 W.D.	DRAWING NO. PE-1 PROJECT NO. _____ DATE 7.09.2024 SHEET NO. 13 OF 13
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Exhibit 2

BID Opening Act

BID No. 2024-03

STBGL-5134(027)

ATEN BLVD. REHABILITATION PROJECT
BETWEEN VILORE WAY AND OLD SR-86



Bids received by: Aimee Osuna

Were opened at EOC on 8/7/24

By: Aimee Osuna

Witnessed by: Jesus Villegas Signature [Signature]

Company	Bid Amount	Bid Bond
<u>ROVE ENG</u>	<u>\$1,878,883.11</u>	<input checked="" type="checkbox"/>
<u>VANCE CORPORATION</u>	<u>\$ 1,981,711.54</u>	<input checked="" type="checkbox"/>

Bids were given to Jesus Villegas for study and recommendation for City Council.

[Signature]

Date 8/7/24