

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

VICINITY MAP NOT TO SCALE

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, CURB, 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. CONTRACTOR WILL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS AREA NECESSARY BECAUSE OF ACTUAL LOCATIONS OF EXISTING FACILITIES.
- UTILITIES COORDINATION
NO LESS THAN 3 WORKING DAYS PRIOR TO ANY EXCAVATION OR TRENCHING, EACH CONTRACTOR DOING SUCH WORK SHALL CONTACT THE FOLLOWING AGENCIES SO THAT EXISTING UNDERGROUND UTILITIES MAY BE LOCATED. THE AGENCY MAY REQUIRE AN INSPECTOR TO BE PRESENT.

- A. CITY OF IMPERIAL (COMMUNITY DEVELOPMENT) (760) 355-1152
 B. CITY OF IMPERIAL (PUBLIC SERVICES) (760) 355-2155
 C. IMPERIAL IRRIGATION DISTRICT (POWER) (760) 482-3408
 D. IMPERIAL IRRIGATION DISTRICT (WATER) (760) 339-9507
 E. AT&T (800) 337-3358
 F. SOUTHERN CA GAS CO. (760) 370-5812
 G. SPECTRUM (760) 335-4818

EXISTING UNDERGROUND UTILITIES
 BEFORE EXCAVATING FOR THIS CONTRACT, VERIFY LOCATION OF UNDERGROUND UTILITIES, THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS HAS BEEN OBTAINED FROM AVAILABLE RECORDS ONLY AND MAY NOT REFLECT ALL EXISTING UTILITIES. LOCATION OF ALL EXISTING UTILITIES SHALL BE CONFIRMED BY FIELD 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 IRRIGATION DISTRICT AND ANY OTHER AFFECTED UTILITY AGENCIES PRIOR TO STARTING HIS WORK NEAR SUCH UTILITY FACILITIES AND SHALL COORDINATE HIS WORK WITH UTILITY REPRESENTATIVES. FOR LOCATION OF UNDERGROUND UTILITIES AND APPURTENANCES, CONTACT "UNDERGROUND SERVICE ALERT" AT 811 (FORMERLY 1-800-422-4133).

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE UTILITY AGENCIES, ADVISE THEM OF THE PROPOSED IMPROVEMENT AND BEAR THE COST OF REALLOCATIONS, 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 DEDICATED 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 TYPE REFLECTIVE FACE OR EQUIVALENT.

CONTRACTOR WILL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY STRIPING, PAVEMENT MARKERS, OR LEGENDS OBLITERATED BY THE CONSTRUCTION OF THIS PROJECT.

THE CONTRACTOR SHALL DO ALL NEW STRIPING AND HYDROBLASTING OR REDUNDANT STRIPING.

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 WORKS DEPARTMENT FOR ANY EXCAVATION CONSTRUCTION WITHIN COUNTY OF IMPERIAL ROAD RIGHT-OF-WAY OR THE IID FOR ANY WORK WITHIN I.D. RIGHT-OF-WAY. FOR INSPECTIONS, CALL BEFORE 4:00 PM AT (760)355-1151 MINIMUM 24 HOURS IN ADVANCE. ADDITIONALLY, UNDERGROUND SERVICE ALERT (USA) MUST BE CALLED TWO WORKING DAYS BEFORE THE CONTRACTOR MAY EXCAVATE. THE CONTACT NUMBER IS 811. 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 (OR HIS REPRESENTATIVE) AND THE ENGINEER OF RECORD. A REPRODUCIBLE AS-BUILT PLAN SET WILL BE PROVIDED TO THE IID 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 IF, CONFLICTS OCCUR, THEN THE MOST STRINGENT SHALL GOVERN.
- UNLESS SPECIFICALLY INDICATED OTHERWISE METHODS EMPLOYED AND MATERIAL USED IN THE CONSTRUCTION OF ALL OFFSETS 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 WAIVER 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.
- AS DETERMINED BY THE COUNTY OF IMPERIAL PUBLIC WORKS DIRECTOR/ROAD COMMISSIONER, THE CONTRACTOR IS RESPONSIBLE FOR A MINIMUM FOR ROAD IMPROVEMENT TO CENTERLINE, AND MAY BE REQUIRED TO RECONSTRUCT EXISTING PAVEMENT, INCLUDING BASE, AND MATCHING OVERLAY REQUIRED TO MEET THE STRUCTURAL STANDARDS FOR THE CURRENT ASSIGNED TRAFFIC INDEX.
- EXISTING STORM DRAIN PIPES/CULVERT WHETHER TO BE CONNECTED 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.
- TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CAMUTCD), LATEST EDITION OR AS DIRECTED BY THE CITY/COUNTY OF IMPERIAL.
- ANY EXISTING SURVEY MONUMENTS OR COUNTY RECOGNIZED BENCHMARKS SHALL BE PROTECTED BY THE CONTRACTORS. SHOULD ANY SUCH MONUMENTS OR BENCHMARKS BE REMOVED, DAMAGED, OBLITERATED OR ALTERED BY THE CONTRACTORS OPERATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER RESETTING OF THE SAME AS PER THE SUBDIVISION MAP ACT, 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 TO BE REPLACED, THIS TASK SHALL BE DONE PER CITY OF IMPERIAL STD. DETAIL NO. 515 ILLUSTRATED ON SHEET 8 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 SUBCONTRACTOR(S) 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 RELEVANT 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 COMMUNITY 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, INSTITUTIONS 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 CONTROLS FOR CONSTRUCTION AND MAINTENANCE WORK ZONES", LATEST EDITION.

THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL NECESSARY TRAFFIC CONTROL TO PROTECT AND GUIDE TRAFFIC FOR 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 START OF ANY WORK. ALL TRAFFIC RESTRICTIONS LISTED HEREIN ARE TO SUPPLEMENT OTHER TRAFFIC REGULATIONS OF THE CITY OF IMPERIAL AND ARE NOT INTENDED TO DELETE ANY PART OF THESE REGULATIONS. 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 IN ADVANCE BY THE COMMUNITY DEVELOPMENT AND/OR PUBLIC SERVICES DIRECTOR(S).

BID NO. 2024-03 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 SECTIONS PLAN
RS-2	10	ROADWAY SECTIONS DETAILS PLAN
CH-1	11	SIGNING & STRIPING PLAN SHEET 1
CH-2	12	SIGNING & STRIPING PLAN SHEET 2
PE-1	13	SITE PREPARATION & EROSION CONTROL GENERAL NOTES

CITY COUNCIL

NAME	TITLE
ROBERT AMPARANO	MAYOR
JAMES TUCKER	MAYOR PRO-TEM
KATHERINE BURNWORTH	COUNCIL MEMBER
STACY MENDOZA	COUNCIL MEMBER
IDA OBESO-MARTINEZ	COUNCIL MEMBER

CITY STAFF

NAME	TITLE
DENNIS H. MORITA	CITY MANAGER
OTHON MORA	COMMUNITY DEVELOPMENT DIRECTOR
DAVID DALE	PUBLIC SERVICES DIRECTOR
AARON REEL	POLICE CHIEF
DAVID LANTZER	FIRE CHIEF
KATHERINE TURNER	CITY ATTORNEY
KRISTINA SHIELD	CITY CLERK

MONUMENTS:

MONUMENT #1
 FOUND PK NAIL WITH WASHER TAGGED "RCE 28447" FLUSH WITH CURRENT GRADE OF ASPHALT CONCRETE ROADWAY. ACCEPTED AS NORTHWEST CORNER TRACT 56 PER ROS 9-33, FM 22-95 AND OM 6-44.
 ADJUSTED NAD 83 GEODETIC POSITION: X = 6769,257.28, Y = 1'880,844.24
 LOCATION: APPROXIMATELY 1,370.2 FT WEST OF OLD SR-86 ALONG THE WEST OF ATEN BOULEVARD.

MONUMENT #2
 FOUND PK NAIL WITH WASHER TAGGED "RCE 28447" FLUSH WITH CURRENT GRADE OF ASPHALT CONCRETE ROADWAY. ACCEPTED AS ADJUSTED NAD 83 GEODETIC POSITION: X = 6769,251.40 Y = 1'880,844.03

MONUMENT #3
 FOUND PK NAIL WITH WASHER TAGGED "RCE 28447" FLUSH WITH CURRENT GRADE OF ASPHALT CONCRETE ROADWAY. ACCEPTED AS NORTHWEST CORNER TRACT 40-8 PER ROS 9-33, FM 22-95, ROS 9-33 AND LS 9-23.
 ADJUSTED NAD 83 GEODETIC POSITION: X = 6768,004.04 Y = 1'880,838.44

MONUMENT #4
 FOUND PK NAIL 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 40-8.
 ADJUSTED NAD 83 GEODETIC POSITION: X=6767,936.71 Y = 1'880,839.09.

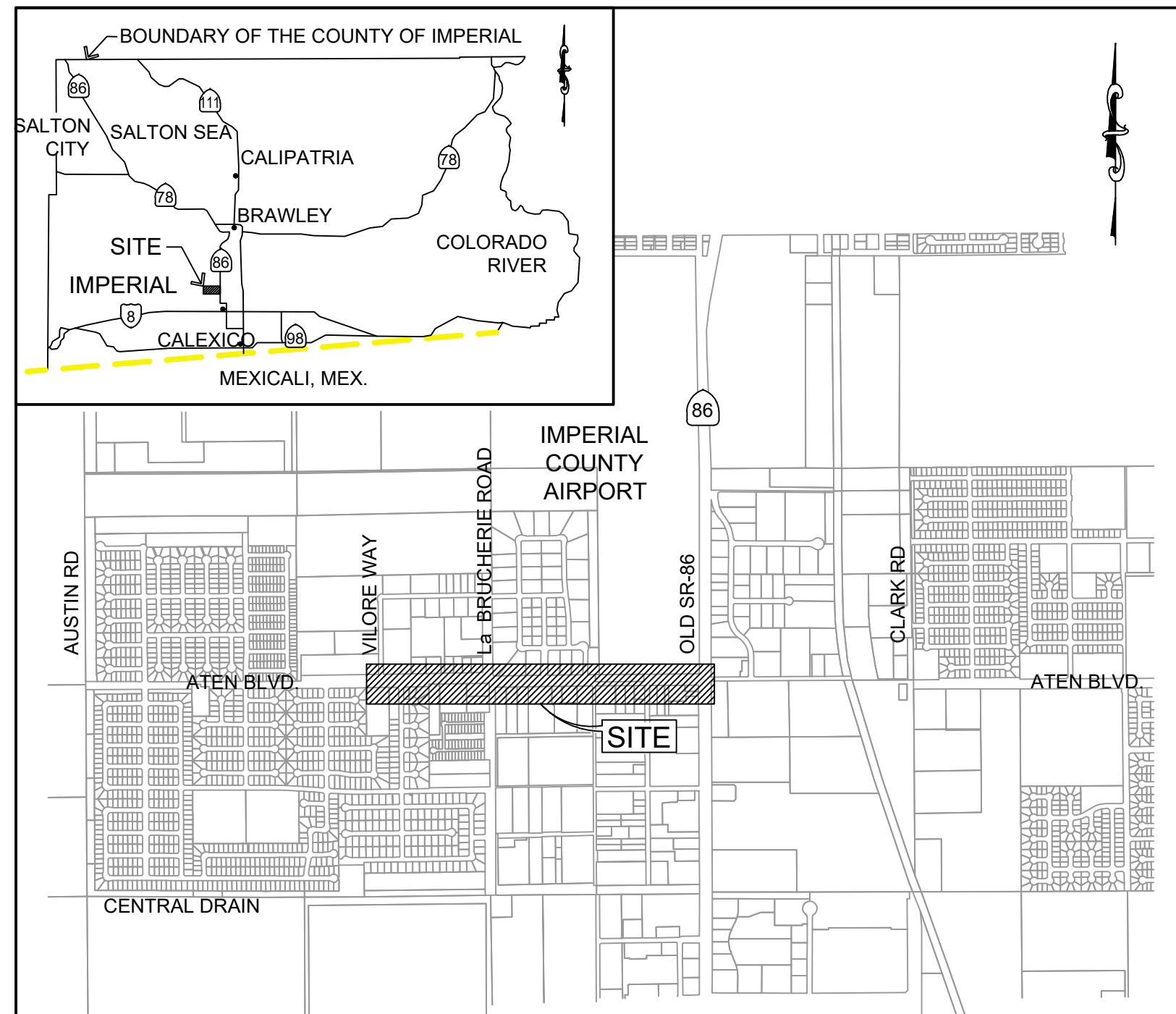
MONUMENT #5
 RP 50.00' WEST OF SOUTHEAST CORNER OF TRACT 101 PER IMPERIAL COUNTY SURVEY TIES. ESTABLISHED POSITION PER IMPERIAL COUNTY SURVEY TIES.
 ADJUSTED NAD 83 GEODETIC POSITION: X=6770,521.04 Y = 1'880,852.21.

ABBREVIATIONS

AC	ASPHALT CONCRETE	MH	MANHOLE
@	AT	MIN	MINIMUM
AVE	AVENUE	MISC	MISCELLANEOUS
BC	BEGIN OF CURVE	N	NORTH
BSL	BUILDING SETBACK LINE	NTS	NOT TO SCALE
BMP	BEST MANAGEMENT PRACTICES	P.C.C	PORTLAND CEMENT CONCRETE
BOT	BOTTOM	PL	PROPERTY LINE
CB	CATCH BASIN	PROP	PROPOSED
CL	CENTERLINE	R	RADIUS
CMU	CONCRETE MASONRY UNIT	R/W	RIGHT OF WAY
CONC	CONCRETE	RT	RIGHT
CY	CUBIC YARDS	S	SOUTH
Ø	DIAMETER	SEC	SECTION
DWY	ROADWAY DRIVEWAY	SPEC	SPECIFICATION
DWG	DRAWING	SS	SANITARY SEWER
E	EAST	SSMH	SANITARY SEWER MANHOLE
EC	END OF CURVE	SDMH	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	INCH(ES)	STD	STANDARD
L	LENGTH	TESC	TEMPORARY EROSION & SEDIMENT CONTROL
LF	LINEAR FEET	TYP	TYPICAL
LT	LEFT	VERT	VERTICAL
MAX	MAXIMUM	W	WEST
HYD	HYDRAULIC		



LEGEND:

EXISTING CONDITIONS		
RIGHT OF WAY	---	EXISTING PUMPING STATION
STREET CENTER LINE	---	EXISTING TREE
STREET WHITE MARKING	---	EXISTING PALM
STREET YELLOW MARKING	---	EXISTING DRIVEWAY
EXISTING WATER PIPELINE	---	EXISTING TRAFFIC LOOP
EXIST. GRAVITY S.S. PIPELINE	---	
EXISTING FORCE MAIN	---	
EXISTING STORM DRAIN PIPELINE	---	
EXISTING NATURAL GAS PIPELINE	---	
EXISTING FENCE	---	
EXISTING MASONRY WALL	---	
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 WOOD POLE	---	
EXISTING I.I.D. POWER POLE	---	
EXISTING P.C.C. CURBS & GUTTER	---	
EXISTING P.C.C. CURB	---	
EXISTING ASPHALTIC PAVEMENT	---	
EXISTING P.C.C. SIDEWALK	---	
EXISTING P.C.C. CROSS GUTTER	---	
EXISTING ROOF	---	
		STRIPING:
		BLUE REFLECTIVE MARKER
		SOLID GREEN COLORED PAVEMENT
		IMPROVEMENTS:
		CONTRACTOR TO PLACE 1
		1/2" ARHM GG ON 3/8" ARAM
		OVER 3/4" LEVELING
		COURSE OR AS DIRECTED
		BY ENGINEER
		SYSTEM 2
		20' TERMINATION JOIN
		SYSTEM 3
		6' APPROACH SYSTEM 3
		EXISTING HYDRAULIC CONCRETE TO REMAIN



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 WORKS PROCEDURES, APPLICABLE POLICES AND ORDINANCES. THE PLAN CHECK IS NOT A DETERMINATION OF THE TECHNICAL ADEQUACY OF THE DESIGN OF THE 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 NEGLIGENCE 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.


 C-74475 7-09-2024
 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 FROM 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 (U.S.A.) 1-800-422-4133 OR 811 AT LEAST 2 WORKING DAYS PRIOR TO EXCAVATION.

PROJECT DESCRIPTION

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

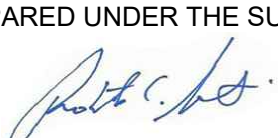
THE WORK INCLUDES, PRIOR TO THE START OF CONSTRUCTION, THE COORDINATION BETWEEN THE CITY OF IMPERIAL AND THE CONTRACTOR FOR THE COMPLIANCE AND IMPLEMENTATION OF THE PROJECT.

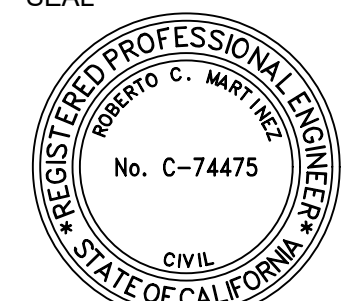
THE ASPHALT GRINDINGS DERIVED FROM THE CONSTRUCTION ACTIVITY, SHALL DISPOSED OF AND "STOCKPILED" AT THE FOLLOWING LOCATION: CITY OF IMPERIAL SHOP SITE LOCATED AT E 14TH AND NORTH "N" STREET. THE MAXIMUM SIZE OF SAID GRINDINGS SHOULD NOT BE LARGER THAN 1.5 INCHES.

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

ATEN BOULEVARD REHABILITATION BID NO. 2024-03

NO.	DATE	BY	APP.
6	10.6.23		
5	6.19.23		
4	5.31.23		
3	3.19.23		
2	2.27.23		
1	2.21.23		

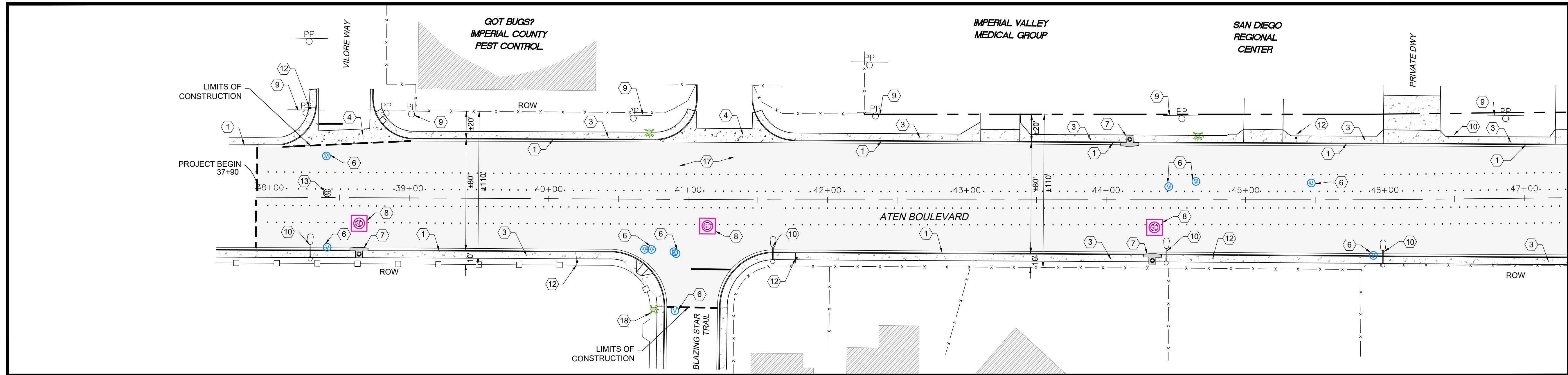
BY: 
 ENGINEER OF RECORD
 PLANS PREPARED UNDER THE SUPERVISION OF:
 BY: ROBERTO C. MARTINEZ DATE: 7-09-2024
 R.C.E. NO.: C-74475 REG. EXP. 12-31-2025

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


 312 E. BARNUM BLVD.
 IMPERIAL, CA 92251
 (760) 554-9336
 VEXERENGINEERING.COM
 VEXERCON@GMAIL.COM

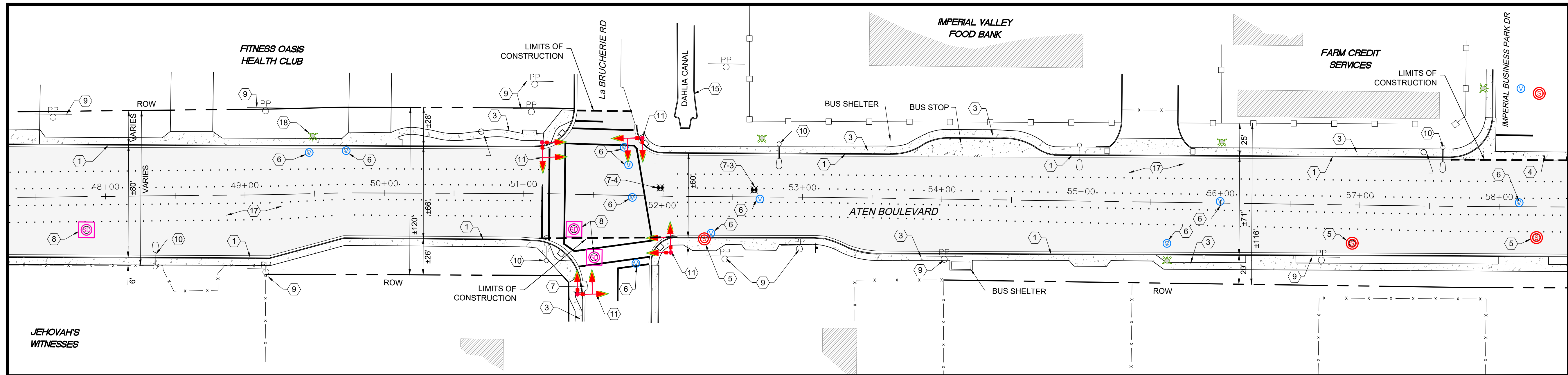


CITY OF IMPERIAL IMPROVEMENT PLANS TITLE SHEET ATEN BOULEVARD REHABILITATION BETWEEN VILORE WAY AND OLD SR-86 FEDERAL-AID PROJECT: STBGL 5134(027) BID NO. 2024-03 W.O.	DRAWING NO.: T - 1 PROJECT NO.: _____ DATE: 7.09.2024 SHEET NO.: 1 OF 13
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47+30 MATCHLINE
SEE PLAN VIEW BELOW

ATEN BOULEVARD
STA 37+90 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. 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 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.I.D. IRRIGATION CHANNEL TO REMAIN.
- ⑯ EXISTING I.I.D. UNDERGROUND CHANNEL TO REMAIN.
- ⑰ EXISTING ASPHAL PAVEMENT TO BE REHABILITATED.
- ⑱ EXISTING COMMUNICATION BOX TO REMAIN
- ⑲ EXISTING SURVEY MONUMENT TO BE PROTECTED.

SEE ITEM NO.23 OF THE GENERAL NOTES FOR PRESERVATION GUIDELINE

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 DRIVEWAY
- EXISTING TRAFFIC LOOP
- RIGHT OF WAY
- ATEN BLVD CENTER LINE
- EX. STREET MARKING
- EXISTING FENCE
- EXISTING MASONRY WALL

EXISTING MONUMENTS LOCATION:

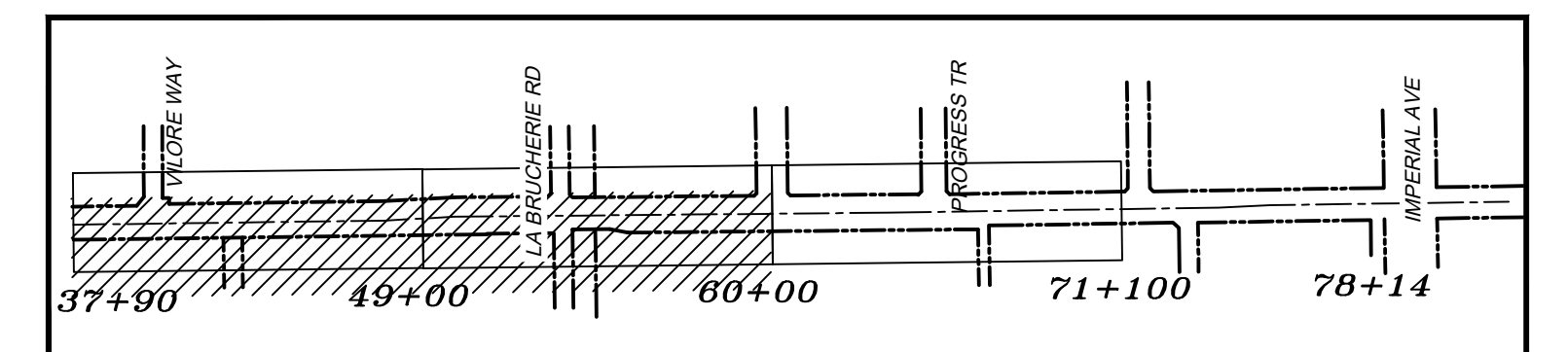
MONUMENT WELL	COORDINATES		STATION
	X	Y	
MONUMENT #1	6769,257.28	1'880,844.24	65+18.70
MONUMENT #2	6769,251.40	1'880,844.03	65+12.82
MONUMENT #3	6768,004.04	1'880,838.44	52+65.43
MONUMENT #4	6767,936.71	1'880,839.09	51+98.01
MONUMENT #5	6770,521.04	1'880,852.21	77+82.50

NOTE: SEE MONUMENT DESCRIPTION ON TITLE SHEET

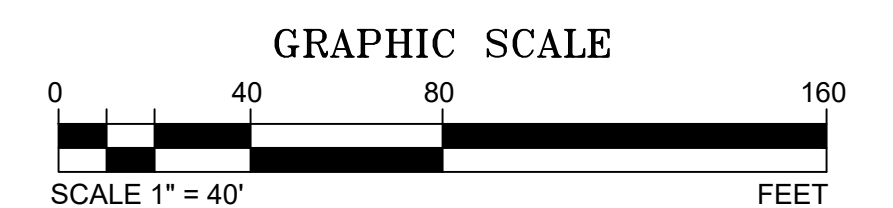
DIG ALERT



Call TOLL FREE
1-800-422-4133 OR 811
TWO FULL WORKING DAYS
BEFORE YOU DIG



KEY MAP
N.T.S.



ATEN BOULEVARD REHABILITATION BID NO. 2024-03

MARK	BY	APP.	DATE
6			10.6.23
5			6.19.23
4			5.31.23
3			3.19.23
2			2.27.23
1			2.21.23

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



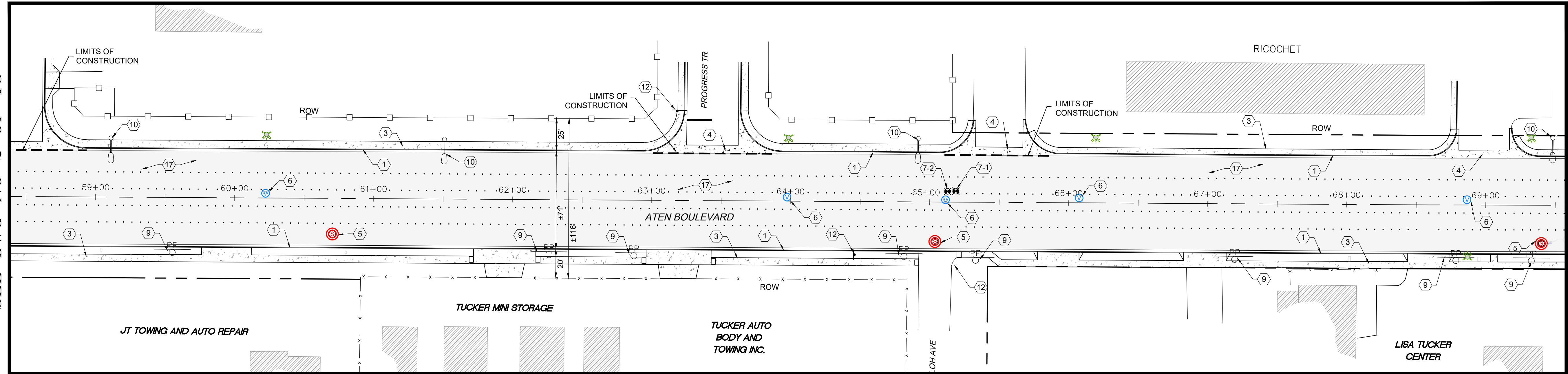
DRAWN BY: O.E.
DESIGN BY: O.E.
CHECK BY: R.M.
PROJ MGR: R.M.



CITY OF IMPERIAL
IMPROVEMENT PLANS
EXISTING CONDITIONS PLAN
SHEET 1
ATEN BOULEVARD REHABILITATION
BETWEEN VILORE WAY AND OLD SR-96
FEDERAL-AID PROJECT: STBGL 5134(027) BID NO. 2024-03
W.O.

DRAWING NO: **EC-1**
PROJECT NO.:
DATE: 7.09.2024
SHEET NO: 2 OF 13

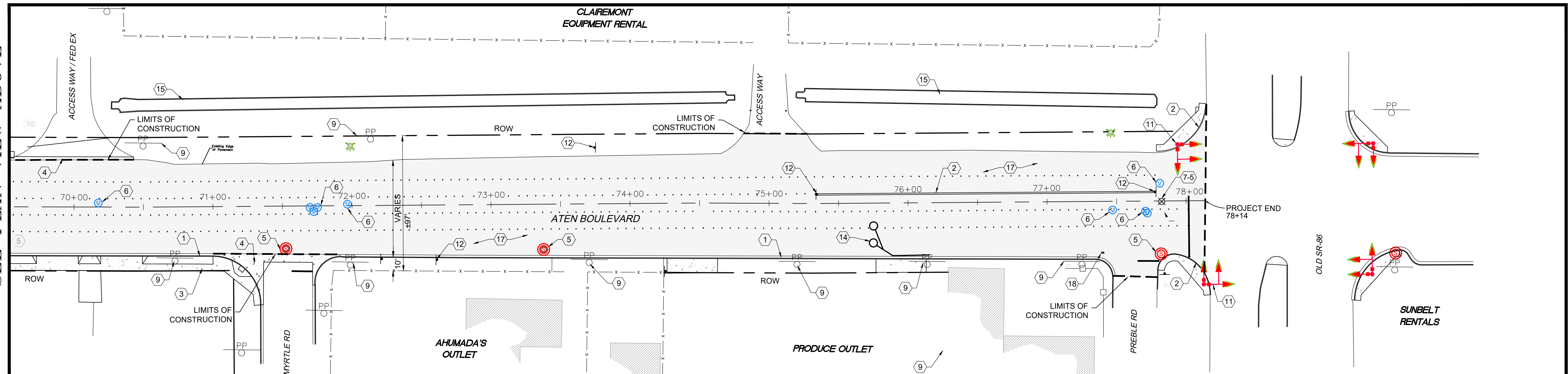
58+50 MATCHLINE
SEE DWG NO 2 OF 13



ATEN BOULEVARD
STA 58+50 TO 69+57

69+57 MATCHLINE
SEE PLAN VIEW BELOW

69+57 MATCHLINE
SEE PLAN VIEW ABOVE



ATEN BOULEVARD
STA 69+57 TO 78+14

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 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.I.D. IRRIGATION CHANNEL TO REMAIN.
- ⑯ EXISTING I.I.D. UNDERGROUND CHANNEL TO REMAIN.
- ⑰ EXISTING ASPHAL PAVEMENT TO BE REHABILITATED.
- ⑱ EXISTING COMMUNICATION BOX TO REMAIN
- ⑲ EXISTING SURVEY MONUMENT TO BE PROTECTED.

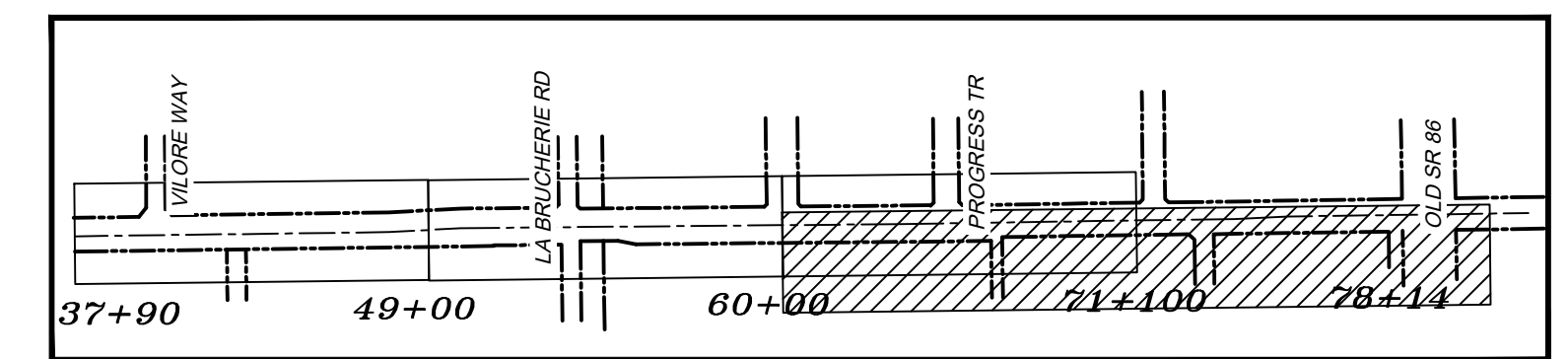
EXISTING LEGEND:

- 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.I.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
- RIGH T OF WAY
- ATEN BLVD CENTER LINE
- EX. STREET MARKING
- EXISTING FENCE
- EXISTING MASONRY WALL

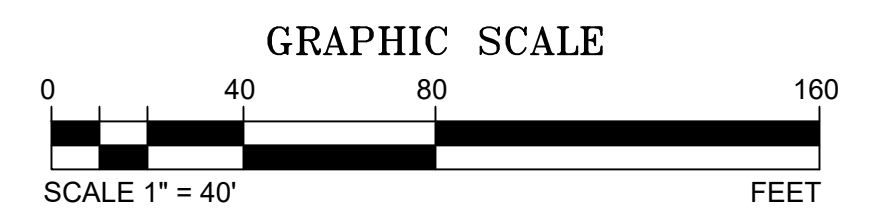
EXISTING MONUMENTS LOCATION:

MONUMENT WELL	COORDINATES		STATION
	X	Y	
MONUMENT #1	6'769,257.28	1'880,844.24	65+18.70
MONUMENT #2	6'769,251.40	1'880,844.03	65+12.82
MONUMENT #3	6'768,004.04	1'880,838.44	52+65.43
MONUMENT #4	6'7679,36.71	1'880,839.09	51+98.01
MONUMENT #5	6'770,521.04	1'880,852.21	77+82.50

NOTE: SEE MONUMENT DESCRIPTION ON TITLE SHEET



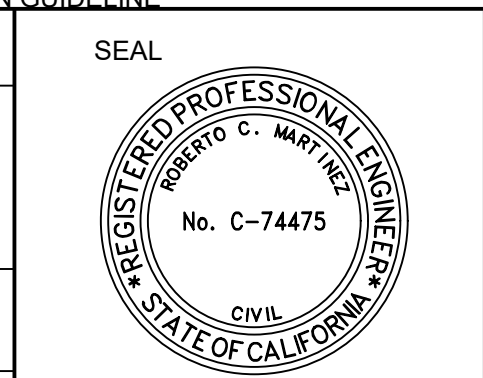
KEY MAP
N.T.S.



ATEN BOULEVARD REHABILITATION BID NO. 2024-03

MARK	BY	APP.	DATE
6	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. 3.19.23
2	IFR - DRAWING ISSUED FOR REVIEW	O.E.	R.M. 2.27.23
1	IFI - DRAWING ISSUED FOR INFORMATION ONLY	O.E.	R.M. 2.21.23

BY: ENGINEER OF RECORD	SEAL
PLANS PREPARED UNDER THE SUPERVISION OF:	
BY: <i>Roberto C. Martinez</i>	DATE: 7-09-2024
ROBERTO C. MARTINEZ	
R.C.E. NO.: C-74475	REG. EXP. 12-31-2025

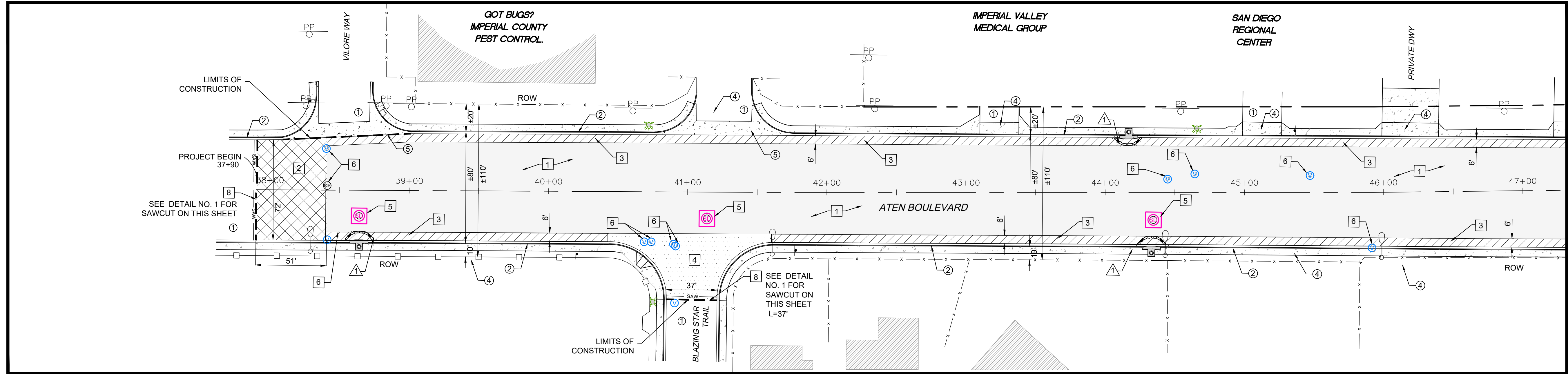


DRAWN BY: O.E.
DESIGN BY: O.E.
CHECK BY: R.M.
PROJ MGR: R.M.



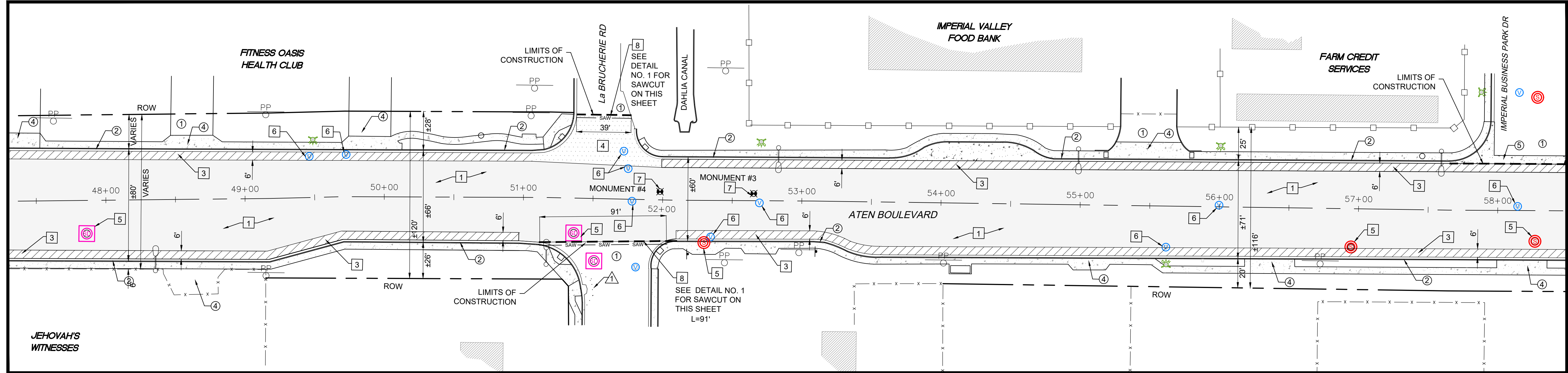
CITY OF IMPERIAL
IMPROVEMENT PLANS
EXISTING CONDITIONS PLAN
SHEET 2
ATEN BOULEVARD REHABILITATION
BETWEEN VILORE WAY AND OLD SR-86
FEDERAL-AID PROJECT: STBGL 5134(027) BID NO. 2024-03
W.O.

DRAWING NO: EC-2
PROJECT NO: _____
DATE: 7.09.2024
SHEET NO: 3 OF 13



ATEN BOULEVARD
STA 37+90 TO 47+30

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

LEGEND:

- 1.5 IN GRINDING / COLD PLANE
- 6' GRINDING/COLD PLANE APPROACH WEDGE
- 50' 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 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 MANHOLE 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 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 GUTTER TO BE REMOVED

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 GUTTER TO REMAIN

EROSION CONTROL KEYNOTES:

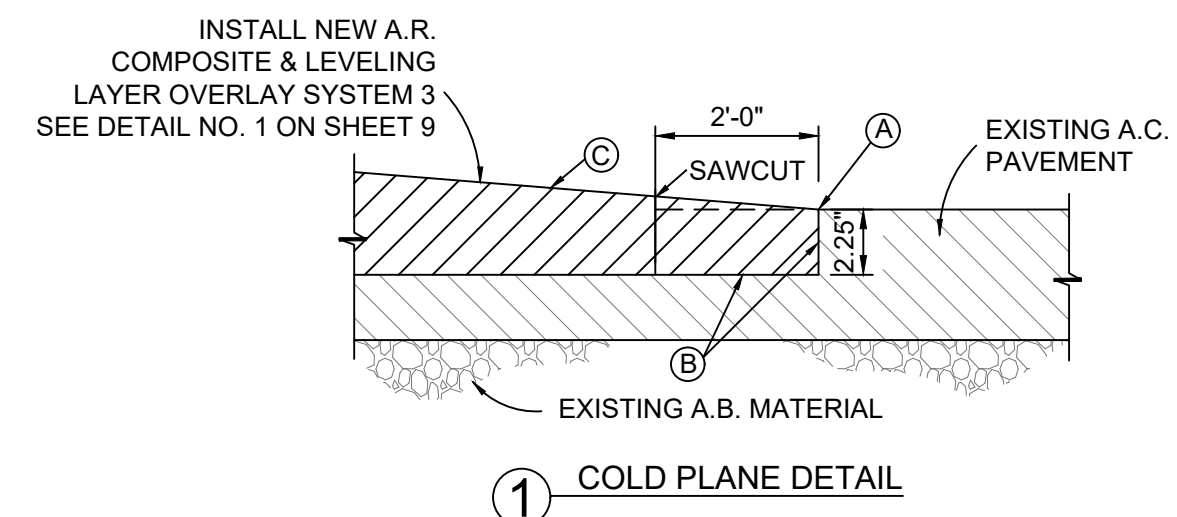
- SEDIMENT PROTECTION FOR EXISTING INLET SEE DETAIL NO. 1 ON SHEET 13

DIG ALERT



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1-800-422-4133 OR 811

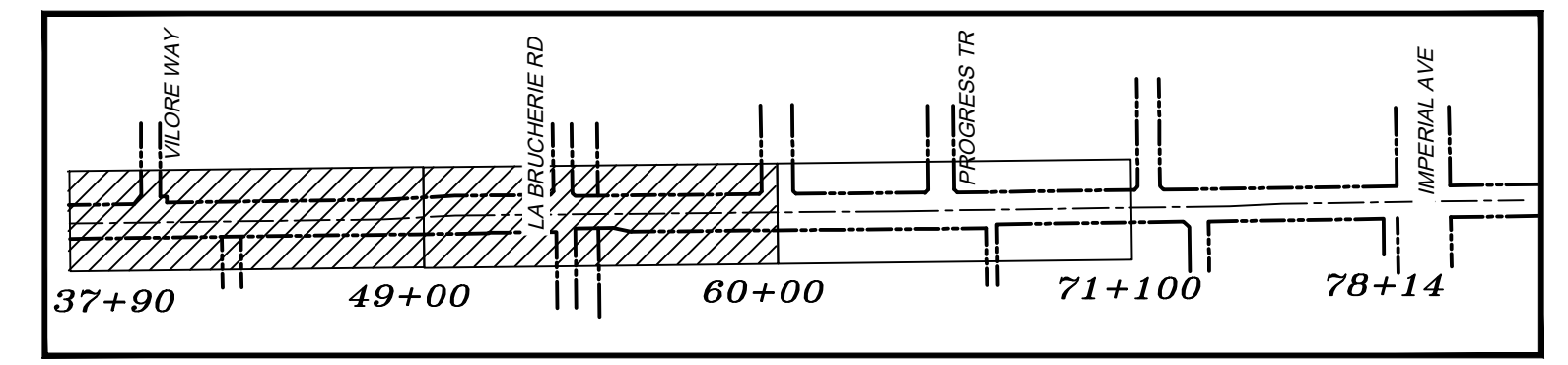
TWO FULL WORKING DAYS
BEFORE YOU DIG



1 COLD PLANE DETAIL

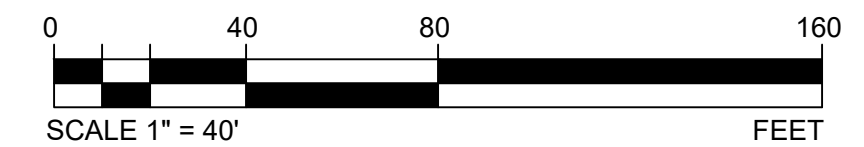
DETAILS 1 & 2 NOTES:

- 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 PLANED AREA WITH A GRADE SS-1H EMULSIFIED ASPHALT AT AN APPROXIMATE RATE OF 0.05 TO 0.10 GALLON PER SQUARE YARD. THE SH-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.



KEY MAP
N.T.S.

GRAPHIC SCALE



ATEN BOULEVARD REHABILITATION BID NO. 2024-03

MARK	DESCRIPTION	BY	APP.	DATE
6	MODIFICATION TO BIKE LANE STRIPING			10.6.23
5	IFR - DRAWING ISSUED FOR REVIEW			6.19.23
4	IFR - DRAWING ISSUED FOR REVIEW			5.31.23
3	IFR - DRAWING ISSUED FOR REVIEW			3.19.23
2	IFR - DRAWING ISSUED FOR REVIEW			2.27.23
1	IFI - DRAWING ISSUED FOR INFORMATION ONLY			2.21.23

BY: ENGINEER OF RECORD	SEAL
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

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

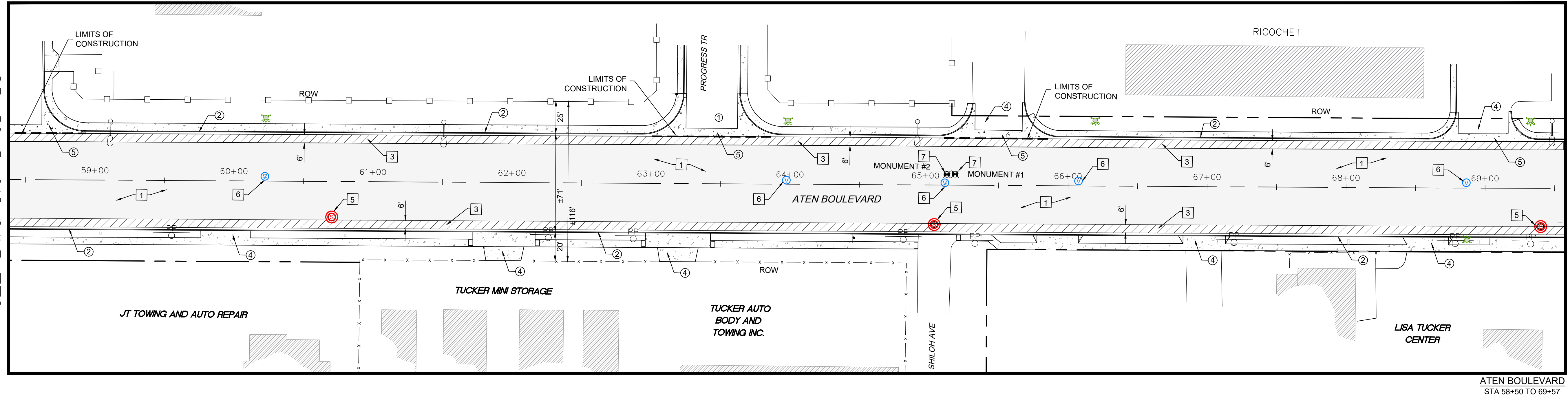
VEXER ENGINEERING
312 E. BARNONI BLVD.
IMPERIAL, CA 92251
(760) 554-9336
VEXERENGINEERING.COM
VEXERCONGMAIL.COM

City of Imperial
California

CITY OF IMPERIAL
IMPROVEMENT PLANS
DEMOLITION AND EROSION CONTROL
PLAN SHEET 1
ATEN BOULEVARD REHABILITATION
BETWEEN VILORE WAY AND OLD SR-86
FEDERAL-AID PROJECT: STBGL 5134(027) BID NO. 2024-03
W.O.

DRAWING NO: D-1
PROJECT NO: _____
DATE: 7.09.2024
SHEET NO: 4 OF 13

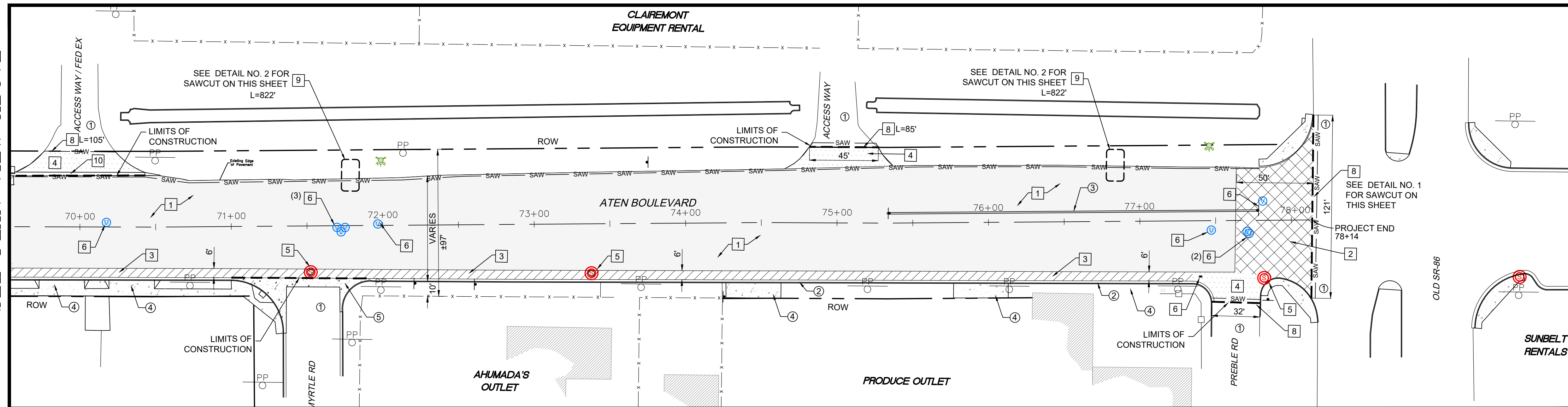
58+50 MATCHLINE
SEE DWG NO 4 OF 13



69+57 MATCHLINE
SEE PLAN VIEW BELOW

ATEN BOULEVARD
STA 58+50 TO 69+57

69+57 MATCHLINE
SEE PLAN VIEW ABOVE



ATEN BOULEVARD
STA 69+57 TO 78+14

SUMMARY OF QUANTITIES:
STA 37+90 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 SUBGRADE	C.Y.	61.1
4	REMOVE AND DISPOSE A 1 FOOT OF A STRIP A.C. PAVEMENT	S.F.	1,028.5
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.	40,136.6
7	GRINDING / COLD PLANE WEDGE AT CROSS STREETS AND REMOVE EXISTING ASPHALTIC CONCRETE	S.F.	6,526.7
8	GRINDING / COLD PLANE OF 50' APPROACH WEDGE ON TRANSITION TAPER	S.F.	6,526.7
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
- 50' GRINDING/COLD PLANE APPROACH WEDGE AT TRANSITION TAPER
- GRINDING/COLD PLANE WEDGE AT CROSS ST.
- PAVEMENT SAWCUT

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 GUTTER TO REMAIN

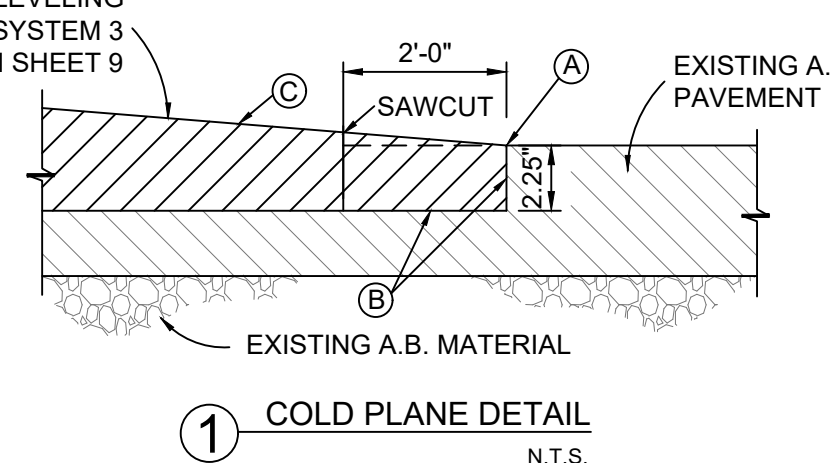
EROSION CONTROL KEYNOTES:

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

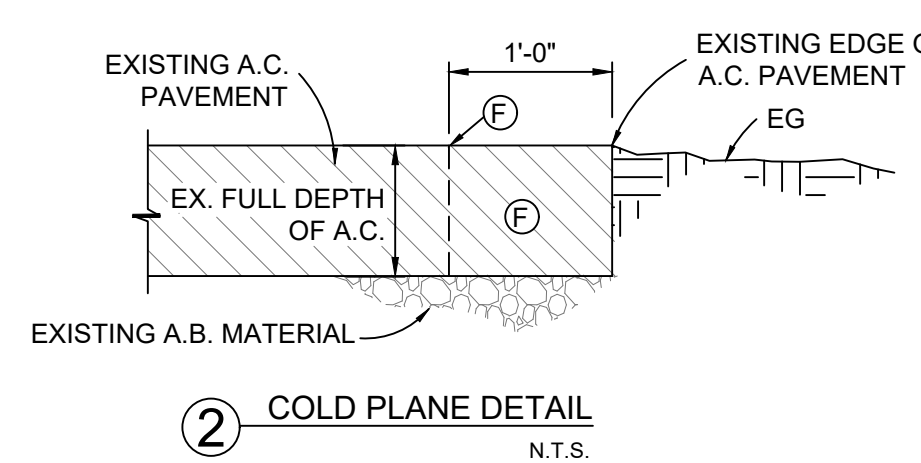
DEMOLITION KEYNOTES:

- 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 MANHOLE 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/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 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 GUTTER TO BE REMOVED

INSTALL NEW A.R. COMPOSITE & LEVELING LAYER OVERLAY SYSTEM 3 SEE DETAIL NO. 1 ON SHEET 9



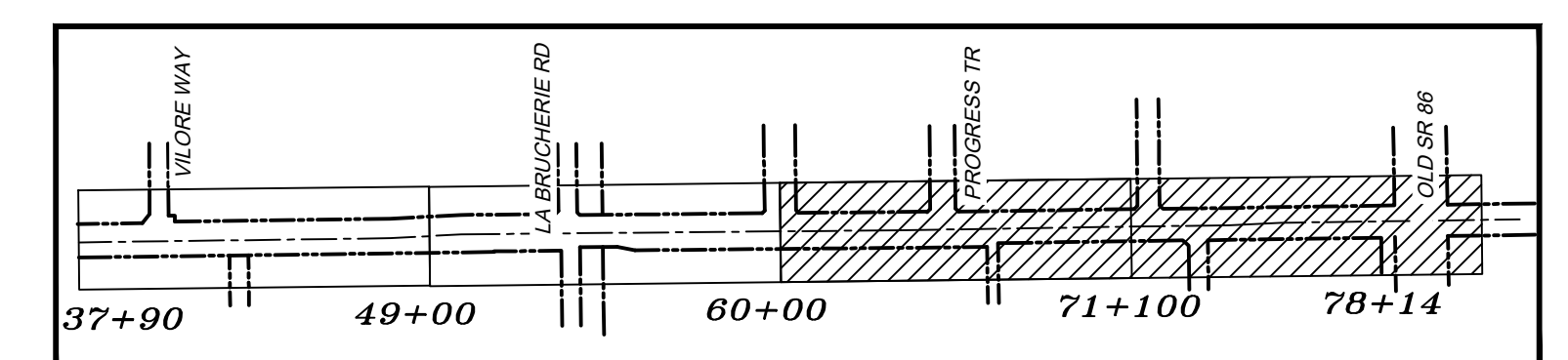
① COLD PLANE DETAIL
N.T.S.



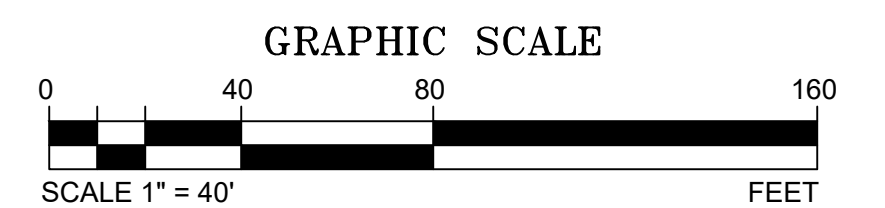
② COLD PLANE DETAIL
N.T.S.

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 PLANED 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.
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- 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 DISPOSED 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

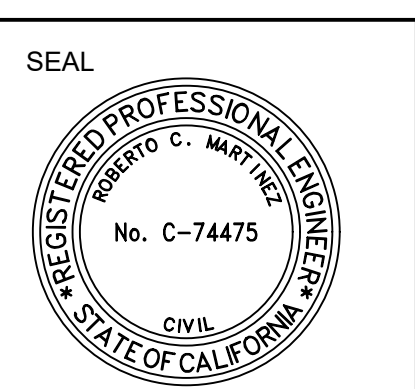


Call TOLL FREE
1-800-422-4133 OR 811
TWO FULL WORKING DAYS
BEFORE YOU DIG

ATEN BOULEVARD REHABILITATION BID NO. 2024-03

MARK	DESCRIPTION	BY	APP.	DATE
6	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.	3.19.23
2	IFR - DRAWING ISSUED FOR REVIEW	O.E.	R.M.	2.27.23
1	IFI - DRAWING ISSUED FOR INFORMATION ONLY	O.E.	R.M.	2.21.23

ENGINEER OF RECORD	
BY:	DATE: 7-09-2024
ROBERTO C. MARTINEZ	
R.C.E. NO.: C-74475	REG. EXP. 12-31-2025

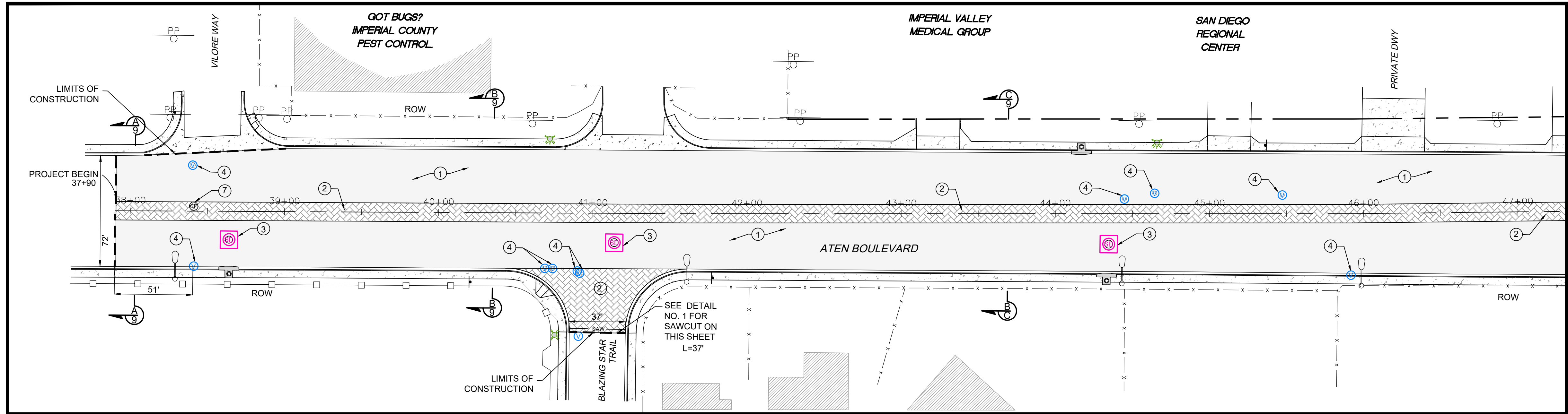


DRAWN BY: O.E.
DESIGN BY: O.E.
CHECK BY: R.M.
PROJ MGR: R.M.



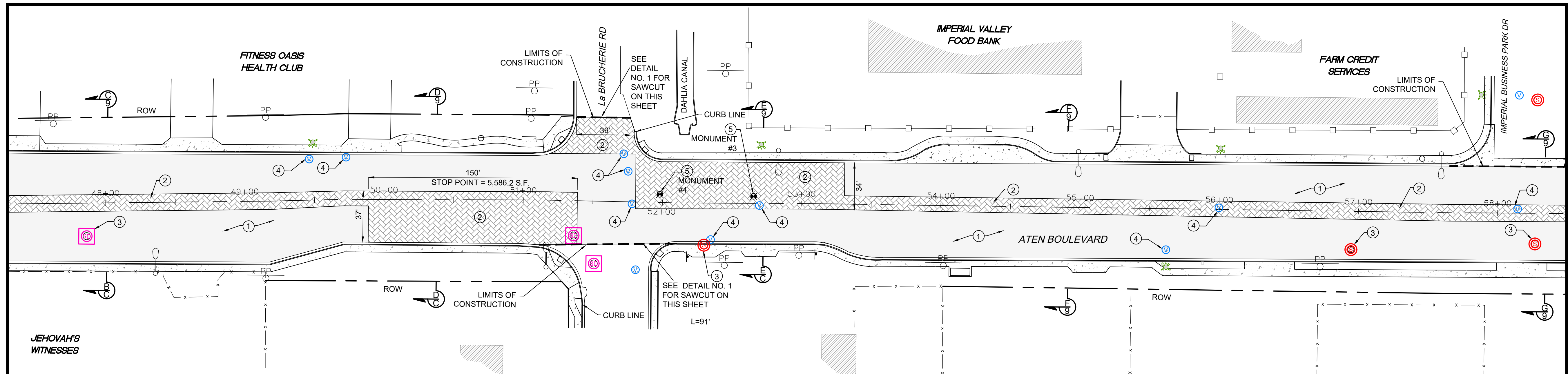
CITY OF IMPERIAL
IMPROVEMENT PLANS
DEMOLITION AND EROSION CONTROL
PLAN SHEET 2
ATEN BOULEVARD REHABILITATION
BETWEEN VILORE WAY AND OLD SR-86
FEDERAL-AID PROJECT: STBGL 5134(027) BID NO. 2024-03
W.O.

DRAWING NO: **D-2**
PROJECT NO.:
DATE: 7.09.2024
SHEET NO: 5 OF 13



ATEN BOULEVARD
STA 37+90 TO 47+30

47+30 MATCHLINE
SEE PLAN VIEW BELOW



ATEN BOULEVARD
STA 47+30 TO 58+50

58+50 MATCHLINE
SEE DWG NO 7 OF 13

47+30 MATCHLINE
SEE PLAN VIEW ABOVE

GENERAL NOTES:

- ALL DIMENSIONS ARE GIVEN IN FEET.
- COORDINATES UTM-NAD 83 HARN 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 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 ON-SITE SURFACE WATER RUNOFF BY USING TEMPORARY EROSION/SILTATION CONTROL PROCEDURES NOT PROVIDED IN THIS PLANS.
- 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 AASHTO M306 HS-20 & HS-25 LOAD, ASTM C1244, C969, D-4873-13 AND SAE J885 STANDARDS.
- THE 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 (1-1/2" ARHM GG) LAYER OVERLAY PAVEMENT ON 3/8" ARAM OVER 3/4" LEVELING COURSE OR AS DIRECTED BY ENGINEER. SEE DETAIL NO. 4 ON SHEET 10.
- CONTRACTOR TO PLACE 150 FT "SYSTEM 3 - STOP POINT" NEW 1-1/2" ARHM-GG LAYER OVERLAY OVER 3/4" LEVELING COURSE OR AS DIRECTED BY ENGINEER. SEE DETAIL NO. 1 & 5 ON SHEET 10.
- CONTRACTOR TO PLACE DOUBLE ADJUST (RISE) EXISTING MANHOLE FRAME/COVERS TO BE LOWERED 0.30' 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 4,500 PSI. FOR SPECIFIC INFORMATION, SEE CITY STD. DETAILS NO 200 & NO. 300. ALSO SEE SHEET NO. 8.
- CONTRACTOR TO PLACE DOUBLE ADJUST (RISE) 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 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 0.30' BEFORE PAVING. AFTER PAVING, ADJUST MONUMENT WELL COVERS TO 1/4" ABOVE GRADE AND INSTALL A PCC CONCRETE RING 6 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 PREBLE ROAD INTERSECTION. THE EXISTING BOX TO BE LOWERED 0.30' BEFORE PAVING. AFTER PAVING ADJUST COMMUNICATION BOX TO 3/8" 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

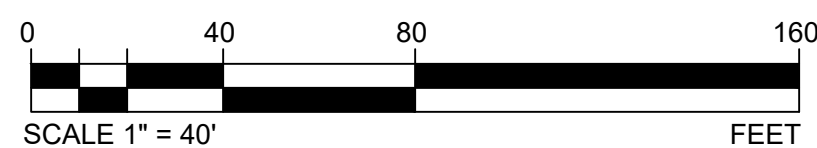
EXISTING COVER AND FRAMES LOCATION:

NO.	STRUCTURE	COORDINATES		STATION	OFFSET	NO.	STRUCTURE	COORDINATES		STATION	OFFSET
		X	Y					X	Y		
1	WATER VALVE	6766.578.95	1'880,846.76	38+40.34	29.8' LF	16	WATER VALVE	6767.684.48	1'880,861.53	49+46.87	29.5' LF
2	CATHODIC PROT.	6766.579.86	1'880,820.18	38+41.09	3.2' LF	17	WATER VALVE	6767.710.97	1'880,863.19	49+72.55	30.3' LF
3	WATER VALVE	6766.580.28	1'880,781.27	38+41.27	35.7' RT	18	STORM M.H.	6767.875.03	1'880,808.75	51+36.64	25.1' RT
4	STORM M.H.	6766.602.98	1'880,798.70	38+64.07	18.4' RT	19	WATER VALVE	6767.910.46	1'880,867.87	51+71.48	34.4 LF
5	WATER VALVE	6766.808.02	1'880,782.35	40+69.01	36.0' RT	20	WATER VALVE	6767.913.71	1'880,855.34	51+74.86	21.9' LF
6	WATER VALVE	6766.813.04	1'880,782.35	40+74.03	36.1' RT	21	WATER VALVE	6767.916.70	1'880,831.99	51+78.07	1.4' RT
7	WATER VALVE	6766.829.10	1'880,780.87	40+90.08	37.6' RT	22	MONUMENT #4	6767.936.71	1'880,839.09	51+98.01	5.9' LF
8	WATER VALVE	6766.830.65	1'880,779.58	40+91.62	38.9' RT	23	WATER VALVE	6767.973.41	1'880,806.97	52+34.62	26.3' RT
9	STORM M.H.	6766.852.87	1'880,799.61	41+13.97	19.0' RT	24	MONUMENT #3	6768.004.04	1'880,838.44	52+65.43	5.0' LF
10	STORM M.H.	6767.173.59	1'880,802.27	44+34.60	19.8' RT	25	WATER VALVE	6768.008.25	1'880,831.84	52+69.60	1.6' RT
11	WATER VALVE	6767.183.49	1'880,831.63	44+44.83	9.5' LF	26	WATER VALVE	6768.300.57	1'880,803.38	55+62.03	29.5 RT
12	WATER VALVE	6767.203.00	1'880,835.58	44+64.38	13.2 LF	27	WATER VALVE	6768.338.41	1'880,833.90	55+99.77	1.1 LF
13	WATER VALVE	6767.285.82	1'880,835.39	45+47.19	12.0' LF	28	S. SANITARY M.H.	6768.433.47	1'880,804.99	56+94.92	27.5' RT
14	WATER VALVE	6767.330.90	1'880,784.34	45+91.69	39.5' RT	29	WATER VALVE	6768.552.93	1'880,835.50	58+14.32	2.9 LF
15	STORM M.H.	6767.525.29	1'880,804.32	47+86.06	23.8' RT	30	S. SANITARY M.H.	6768.565.65	1'880,810.55	58+26.90	22.1' RT

LEGEND:

- NEW 1-1/2" ASPHALT RUBBER HOT MIX - GAP GRADED (1-1/2" ARHM GG) LAYER OVERLAY PAVEMENT ON 3/8" ARAM OVER 3/4" LEVELING COURSE
- NEW 1-1/2" ARHM-GG LAYER OVERLAY OVER 3/4" LEVELING COURSE

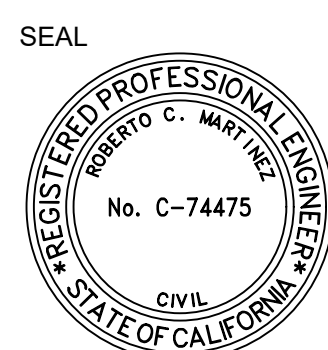
GRAPHIC SCALE



ATEN BOULEVARD REHABILITATION BID NO. 2024-03

MARK	BY	APP.	DATE
6	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. 3.19.23
2	IFR - DRAWING ISSUED FOR REVIEW	O.E.	R.M. 2.27.23
1	IFI - DRAWING ISSUED FOR INFORMATION ONLY	O.E.	R.M. 2.21.23

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



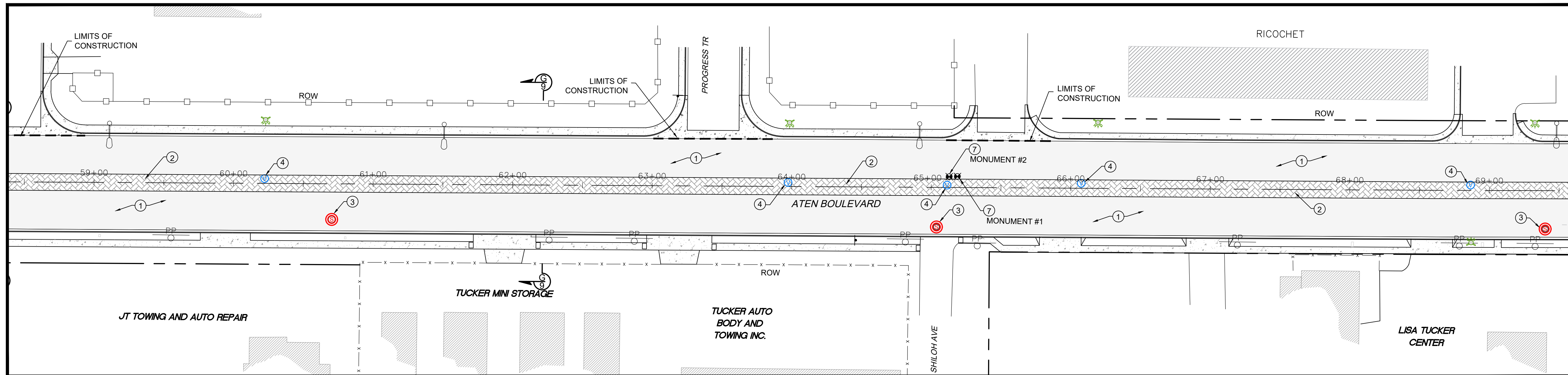
DRAWN BY: O.E.
DESIGN BY: O.E.
CHECK BY: R.M.
PROJ MGR: R.M.



CITY OF IMPERIAL
IMPROVEMENT PLANS
ROADWAY PLAN SHEET 1
ATEN BOULEVARD REHABILITATION
BETWEEN VILORE WAY AND OLD SR-86
FEDERAL-AID PROJECT: STBGL 5134(027) BID NO. 2024-03
W.O.

DRAWING NO: RD-1
PROJECT NO.:
DATE: 7.09.2024
SHEET NO: 6 OF 13

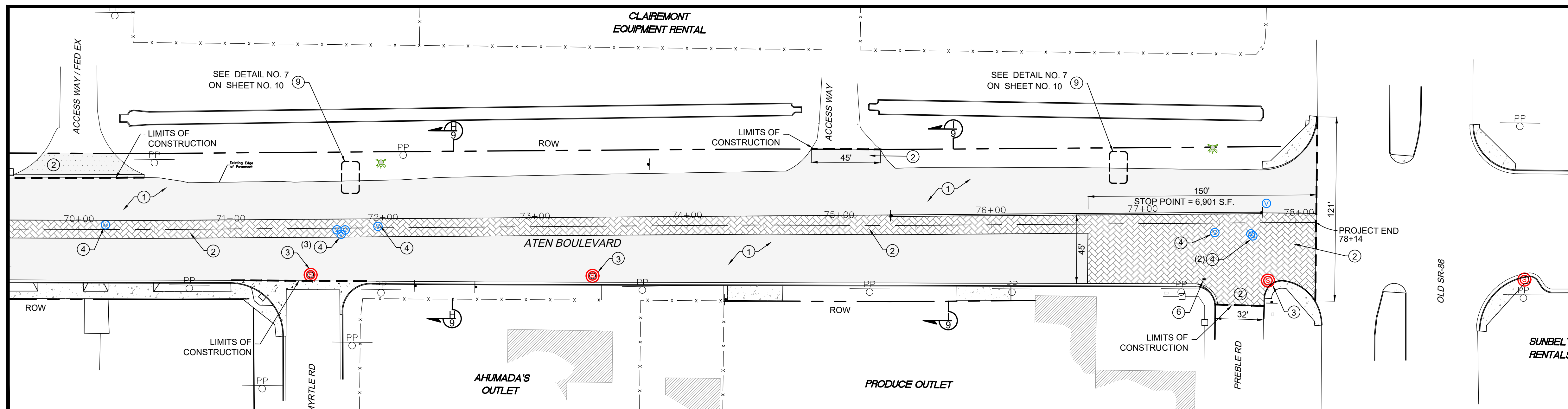
58+50 MATCHLINE
SEE DWG NO 6 OF 13



ATEN BOULEVARD
STA 58+50 TO 69+57

69+57 MATCHLINE
SEE PLAN VIEW BELOW

69+57 MATCHLINE
SEE PLAN VIEW ABOVE



ATEN BOULEVARD
STA 69+57 TO 78+14

GENERAL NOTES:

1. ALL DIMENSIONS ARE GIVEN IN FEET.
2. COORDINATES UTM-NAD 83 HARN 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.
6. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE REQUIRED TO CONTROL DRAINAGE OF ON-SITE SURFACE WATER RUNOFF BY USING TEMPORARY EROSION/SILTATION CONTROL PROCEDURES NOT PROVIDED IN THIS PLANS.
7. 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).
8. 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).
9. THE SANITARY SEWER MANHOLE NO 22 IN THE TABLE OF STRUCTURES, VALVES AND DEVICES, MAYBE NOT PART OF THIS PROJECT.
11. THE POLYPROPYLENE RINGS PROPOSED FOR ADJUST SEWER MANHOLES SHOULD BE TESTED TO MEET AASHTO M306 HS-20 & HS-25 LOAD, ASTM C1244, C969, D-4873-13 AND SAE J885 STANDARDS.
12. STORM DRAIN CATCHBASIN 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 GG) LAYER OVERLAY PAVEMENT ON 3/8" ARAM OVER 3/4" LEVELING 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-GG LAYER OVERLAY OVER 3/4" LEVELING COURSE OR AS DIRECTED BY ENGINEER. SEE DETAIL NO. 1 & 5 ON SHEET 10.
3. CONTRACTOR TO PLACE DOUBLE ADJUST (RISE) EXISTING MANHOLE FRAME/COVERS TO BE LOWERED 0.30" 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 4,500 PSI. FOR SPECIFIC INFORMATION. SEE CITY STD. DETAILS NO 200 & NO. 300. ALSO SEE SHEET NO. 8.
4. CONTRACTOR TO PLACE DOUBLE ADJUST (RISE) 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 IN 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 1/4" ABOVE GRADE AND INSTALL A PCC CONCRETE RING 6 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 2.5' 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 3/8" 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 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. CONSIST OF A 2" CAP OF 1/2" HMA AND 2" BASE COARSE OF 3/4" HMA.

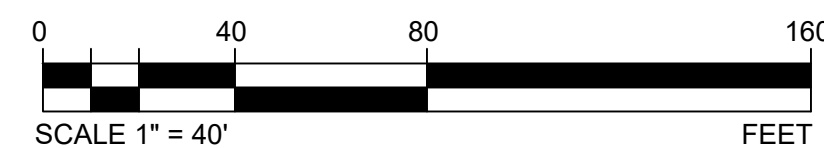
EXISTING COVER AND FRAMES LOCATION:

NO.	STRUCTURE	COORDINATES		STATION	OFFSET	NO.	STRUCTURE	COORDINATES		STATION	OFFSET
		X	Y					X	Y		
31	WATER VALVE	6768,760.88	1'880,837.07	60+22.27	3.4' LF	43	WATER VALVE	6769,908.42	1'880,840.96	71+69.82	1.1 RT
32	S. SANITARY M.H.	6768,809.25	1'880,808.32	60+70.48	25.6 RT	44	WATER VALVE	6769,911.18	1'880,838.06	71+72.51	4.1 RT
33	WATER VALVE	6769,136.04	1'880,838.56	63+97.43	2.9' LF	45	WATER VALVE	6769,913.74	1'880,840.96	71+75.13	1.2' RT
34	S. SANITARY M.H.	6769,242.69	1'880,807.83	65+03.92	28.5' RT	46	WATER VALVE	6769,935.32	1'880,834.55	71+96.76	1.0 LF
35	WATER VALVE	6769,250.01	1'880,837.95	65+11.39	1.6' LF	47	S. SANITARY M.H.	6770,076.84	1'880,812.62	73+37.67	32.6' RT
36	MONUMENT #2	6769,251.40	1'880,844.03	65+12.82	7.8 LF	48	TRAFFIC LOOP	6770,313.92	1'880,825.59	75+74.96	23.1 RT
37	MONUMENT #1	6769,257.28	1'880,844.24	65+18.70	7.9 LF	49	COMM. BOX	6770,478.91	1'880,814.99	77+39.72	36.8 RT
38	WATER VALVE	6769,346.13	1'880,840.34	66+07.53	3.5 LF	50	WATER VALVE	6770,485.79	1'880,845.68	77+47.17	6.3' RT
39	WATER VALVE	6769,625.15	1'880,842.25	68+86.57	3.8 LF	51	WATER VALVE	6770,509.45	1'880,845.14	77+70.82	7.3 RT
40	S. SANITARY M.H.	6769,678.95	1'880,811.34	69+40.10	27.5' RT	52	WATER VALVE	6770,510.76	1'880,843.79	77+72.10	8.6 RT
41	WATER VALVE	6769,756.10	1'880,842.49	70+17.52	3.0 LF	53	WATER VALVE	6770,519.47	1'880,865.30	77+81.22	12.7 LF
42	S. SANITARY M.H.	6769,891.43	1'880,811.16	71+52.27	30.6 RT	54	S. SANITARY M.H.	6770,521.03	1'880,814.54	77+81.81	38.1' RT

LEGEND:

- NEW 1-1/2" ASPHALT RUBBER HOT MIX - GAP GRADED (1-1/2" ARHM GG) LAYER OVERLAY PAVEMENT ON 3/8" ARAM OVER 3/4" LEVELING COURSE
- NEW 1-1/2" ARHM-GG LAYER OVERLAY OVER 3/4" LEVELING COURSE

GRAPHIC SCALE



ATEN BOULEVARD REHABILITATION BID NO. 2024-03

MARK	BY	APP.	DATE
6	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. 3.19.23
2	IFR - DRAWING ISSUED FOR REVIEW	O.E.	R.M. 2.27.23
1	IFI - DRAWING ISSUED FOR INFORMATION ONLY	O.E.	R.M. 2.21.23

BY: ENGINEER OF RECORD	SEAL
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

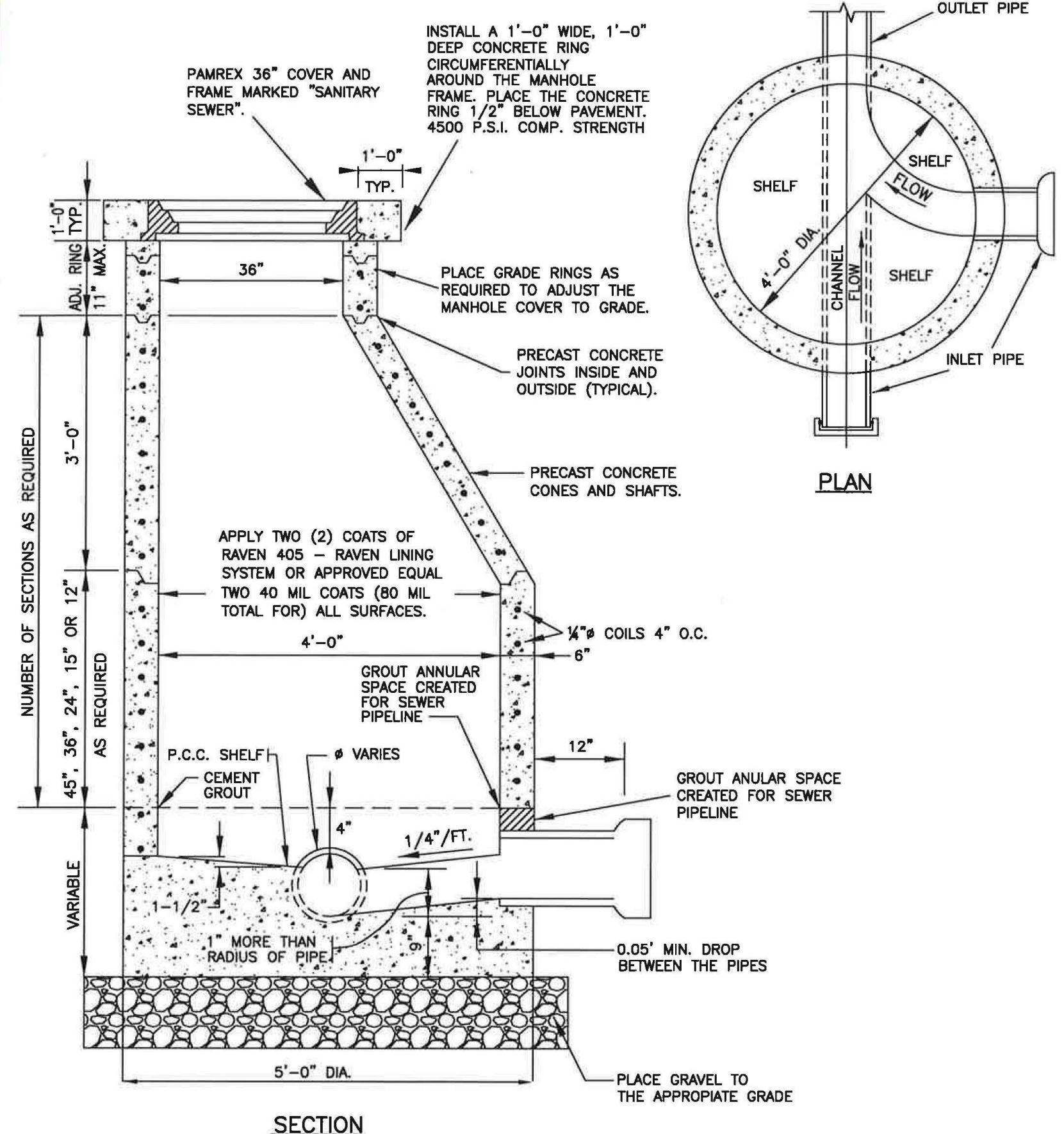
DRAWN BY: O.E.
DESIGN BY: O.E.
CHECK BY: R.M.
PROJ MGR: R.M.

VEXER ENGINEERING
312 E. BARNONI BLVD.
IMPERIAL, CA 92251
(760) 554-9336
VEXERENGINEERING.COM
VEXERCON@GMAIL.COM

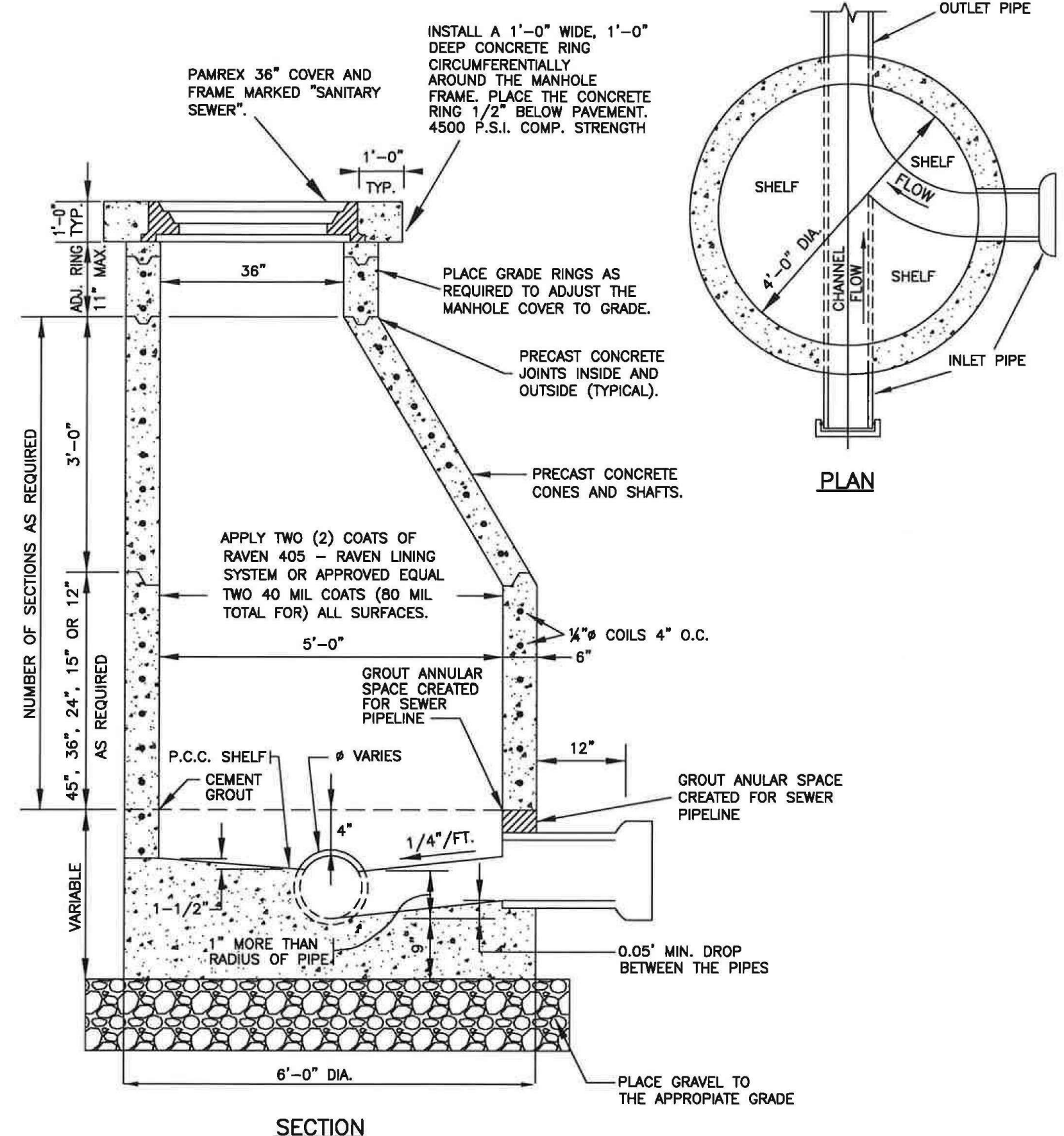


CITY OF IMPERIAL
IMPROVEMENT PLANS
ROADWAY PLAN SHEET 2
ATEN BOULEVARD REHABILITATION
BETWEEN VILLORE WAY AND OLD SR-86
FEDERAL-AID PROJECT: STBGL 5134(027) BID NO. 2024-03
W.O.

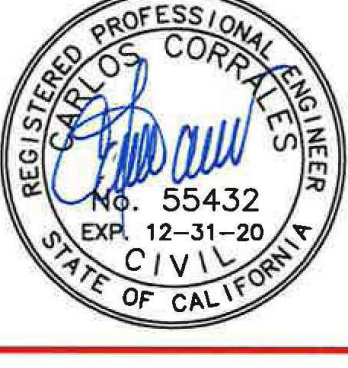
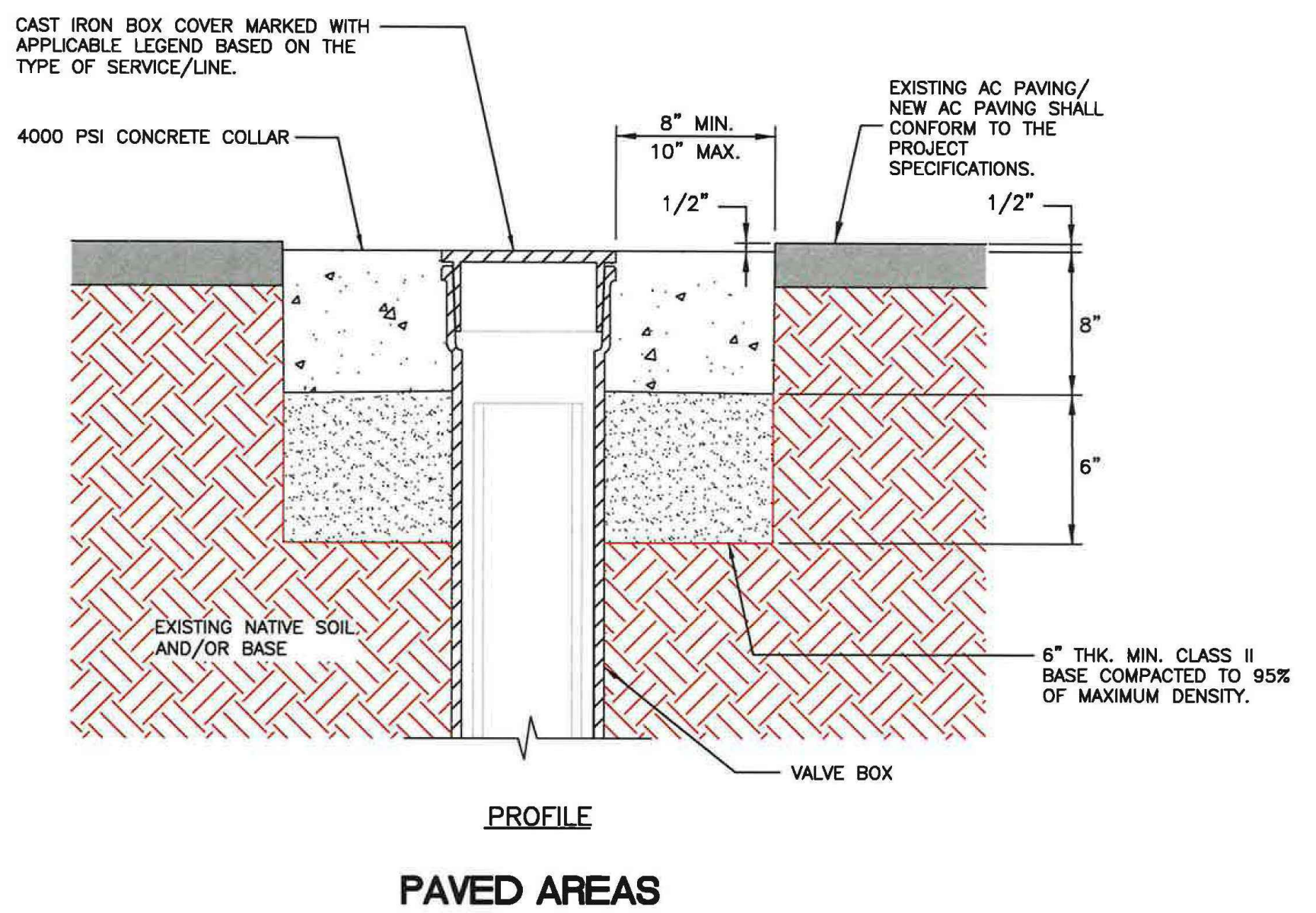
DRAWING NO: RD-2
PROJECT NO: _____
DATE: 7.09.2024
SHEET NO: 7 OF 13



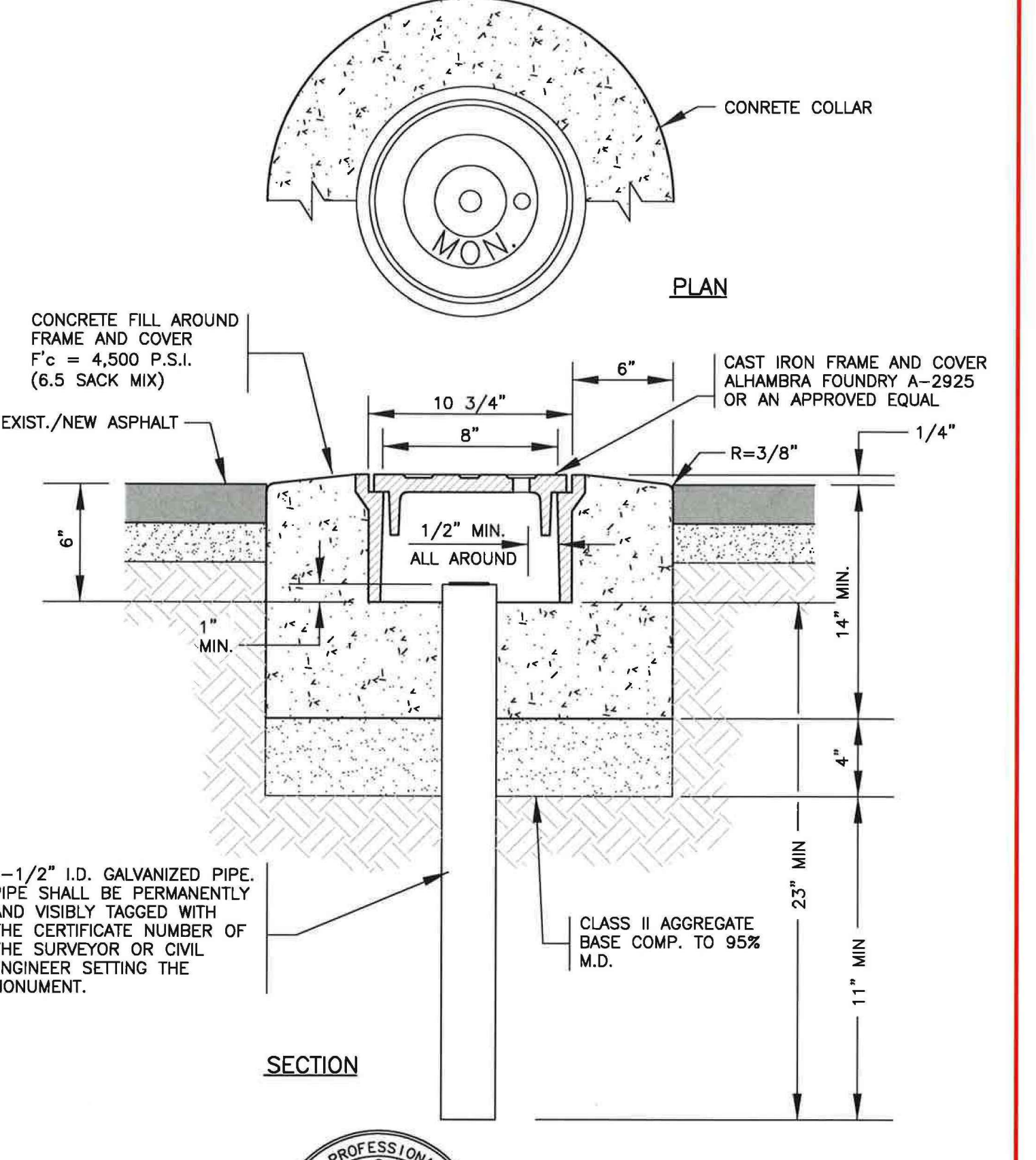
ECCENTRIC SEWER MANHOLE DETAIL
 SHEET: 1 OF 1
 IN THE CITY OF IMPERIAL, CALIFORNIA DATE: 10/10/19 DRAWN: A.A.
 STD. DET. NO. 200 NOT TO SCALE REVIEWED: J.V. APPROVED: O.M.



ECCENTRIC STORM DRAIN MANHOLE DETAIL
 SHEET: 1 OF 1
 IN THE CITY OF IMPERIAL, CALIFORNIA DATE: 10/10/19 DRAWN: A.A.
 STD. DET. NO. 300 NOT TO SCALE REVIEWED: J.V. APPROVED: O.M.



TYPICAL VALVE BOX CONCRETE COLLAR
 SHEET: 1 OF 2
 IN THE CITY OF IMPERIAL, CALIFORNIA DATE: 01/17/19 DRAWN: A.A.
 STD. DET. NO. 508 NOT TO SCALE REVIEWED: J.V. APPROVED: O.M.



MONUMENT WELL DETAIL
 SHEET: 1 OF 1
 IN THE CITY OF IMPERIAL, CALIFORNIA DATE: 10/10/19 DRAWN: A.A.
 STD. DET. NO. 515 NOT TO SCALE REVIEWED: J.V. APPROVED: O.M.

PRO-RING SIZES

ROUND RINGS 34" O.D. X 24" I.D.

PART NUMBER	RING TYPE	RING HEIGHT
34-24F-075	FINISH	3/4"
34-24F-100	FINISH	1"
34-24F-125	FINISH	1-1/4"
34-24F-150	FINISH	1-1/2"
34-24F-175	FINISH	1-3/4"
34-24F-200	FINISH	2"
34-24F-225	FINISH	2-1/4"
34-24F-250	FINISH	2-1/2"
34-24F-400	FINISH	4"
34-24F-600	FINISH	6"
34-24A-100	ANGLE	3/4" TO 1-3/4"
34-24G-200	GRADE	2"
34-24G-400	GRADE	4"
34-24G-600	GRADE	6"

ROUND RINGS 35" O.D. X 25" I.D.

PART NUMBER	RING TYPE	RING HEIGHT
35-25F-075	FINISH	3/4"
35-25F-100	FINISH	1"
35-25F-125	FINISH	1-1/4"
35-25F-150	FINISH	1-1/2"
35-25F-175	FINISH	1-3/4"
35-25F-200	FINISH	2"
35-25F-225	FINISH	2-1/4"
35-25F-250	FINISH	2-1/2"
35-25F-400	FINISH	4"
35-25F-600	FINISH	6"
35-25A-100	ANGLE	3/4" TO 1-3/4"
35-25G-200	GRADE	2"
35-25G-400	GRADE	4"
35-25G-600	GRADE	6"

ROUND RINGS 36" O.D. X 24" I.D.

PART NUMBER	RING TYPE	RING HEIGHT
36-24F-075	FINISH	3/4"
36-24F-100	FINISH	1"
36-24F-125	FINISH	1-1/4"
36-24F-150	FINISH	1-1/2"
36-24F-175	FINISH	1-3/4"
36-24F-200	FINISH	2"
36-24F-225	FINISH	2-1/4"
36-24F-250	FINISH	2-1/2"
36-24F-400	FINISH	4"
36-24F-600	FINISH	6"
36-24A-100	ANGLE	3/4" TO 1-3/4"
36-24G-200	GRADE	2"
36-24G-400	GRADE	4"
36-24G-600	GRADE	6"

ROUND RINGS 40" O.D. X 27" I.D.

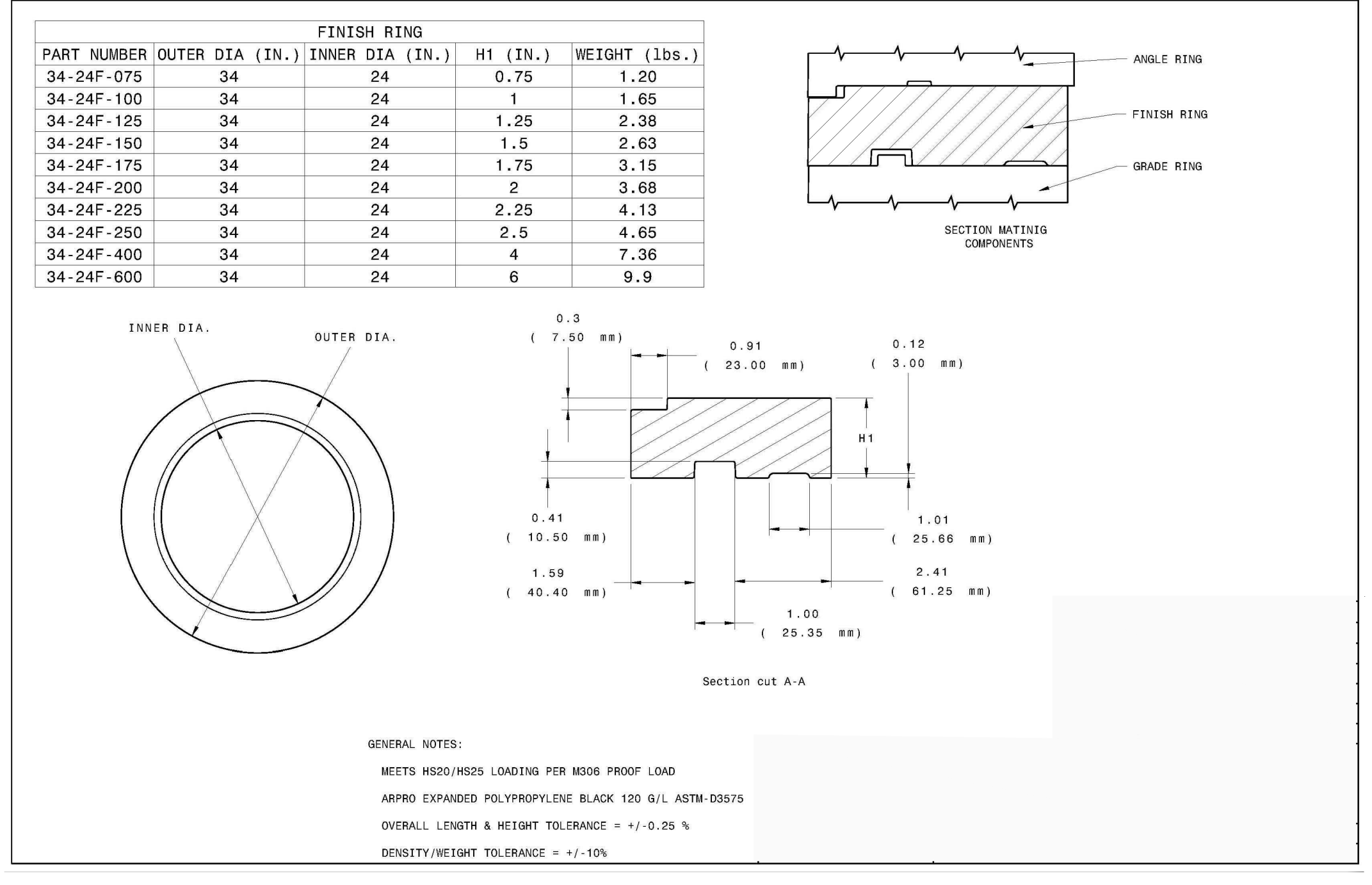
PART NUMBER	RING TYPE	RING HEIGHT
40-27F-075	FINISH	3/4"
40-27F-100	FINISH	1"
40-27F-125	FINISH	1-1/4"
40-27F-150	FINISH	1-1/2"
40-27F-175	FINISH	1-3/4"
40-27F-200	FINISH	2"
40-27F-225	FINISH	2-1/4"
40-27F-250	FINISH	2-1/2"
40-27F-400	FINISH	4"
40-27F-600	FINISH	6"
40-27A-100	ANGLE	3/4" TO 1-3/4"
40-27G-200	GRADE	2"
40-27G-400	GRADE	4"
40-27G-600	GRADE	6"

ROUND RINGS 40" O.D. X 31" I.D.

PART NUMBER	RING TYPE	RING HEIGHT
40-31G-075F	GRADE FLAT	3/4"
40-31G-100F	GRADE FLAT	1"
40-31G-125F	GRADE FLAT	1-1/4"
40-31G-150F	GRADE FLAT	1-1/2"
40-31G-200F	GRADE FLAT	2"
40-31A-100	ANGLE	3/4" TO 1-3/4"
40-31G-400F	GRADE FLAT	4"
40-31G-600F	GRADE FLAT	6"

ROUND RINGS 46" O.D. X 36" I.D.

PART NUMBER	RING TYPE	RING HEIGHT
46-36F-075	FINISH	3/4"
46-36F-100	FINISH	1"
46-36F-125	FINISH	1-1/4"
46-36F-150	FINISH	1-1/2"
46-36F-175	FINISH	1-3/4"
46-36F-200	FINISH	2"
46-36F-225	FINISH	2-1/4"
46-36F-250	FINISH	2-1/2"
46-36F-400	FINISH	4"
46-36F-600	FINISH	6"
46-36A-100	ANGLE	3/4" TO 1-3/4"
46-36G-200	GRADE	2"
46-36G-400	GRADE	4"
46-36G-600	GRADE	6"

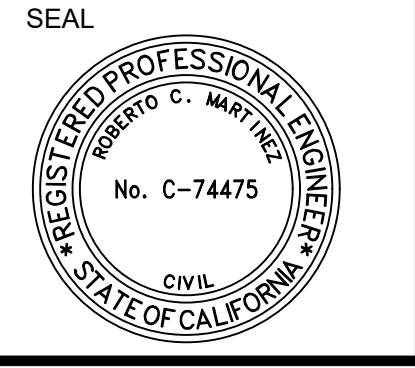


DIG ALERT
 Call TOLL FREE
 1-800-422-4133 OR 811
 TWO FULL WORKING DAYS
 BEFORE YOU DIG

ATEN BOULEVARD REHABILITATION BID NO. 2024-03

MARK	BY	APP.	DATE	
6	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.	3.19.23
2	IFR - DRAWING ISSUED FOR REVIEW	O.E.	R.M.	2.27.23
1	IFI - 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: 7-09-2024
 R.C.E. NO.: C-74475 REG. EXP. 12-31-2025

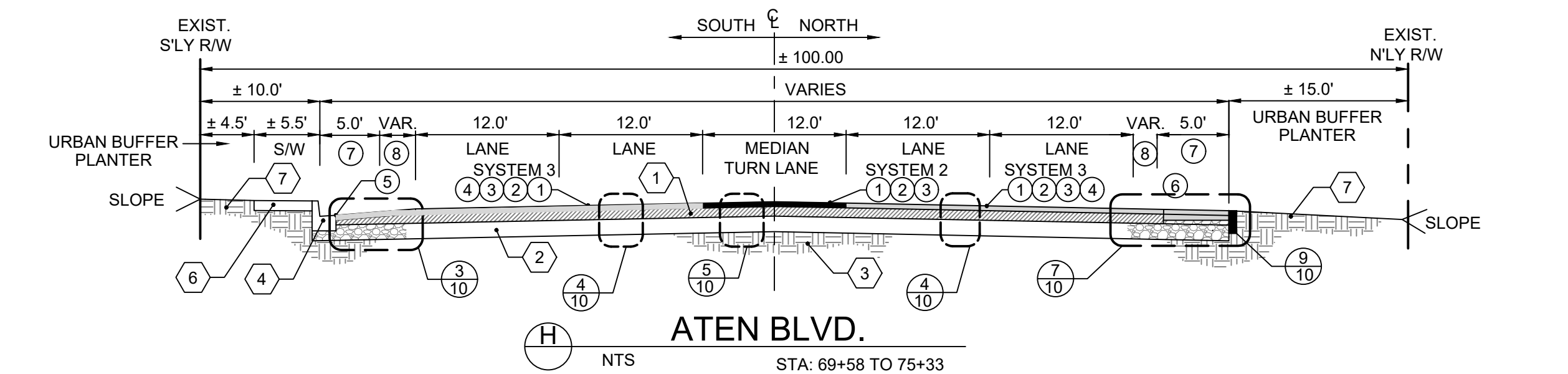
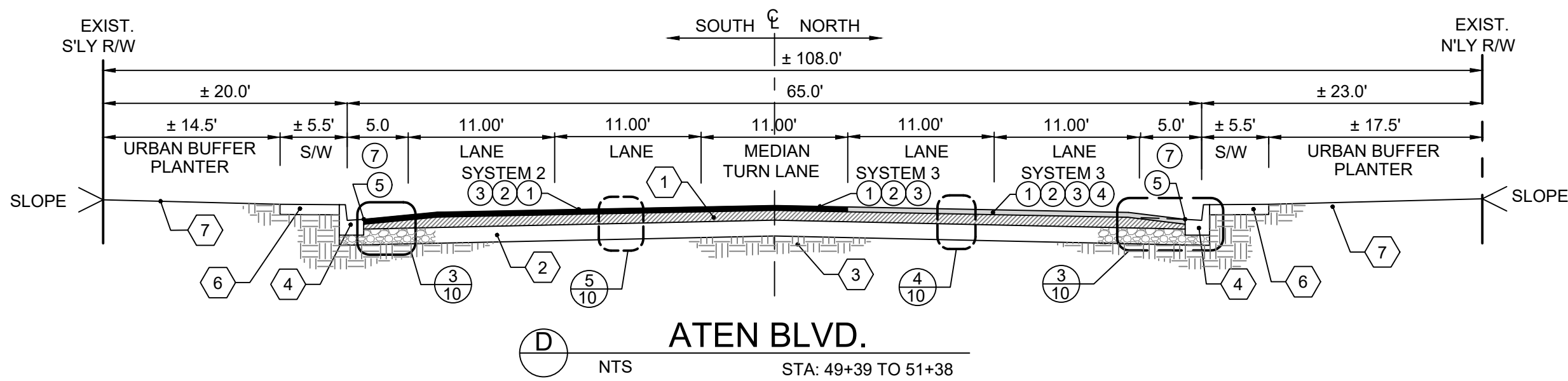
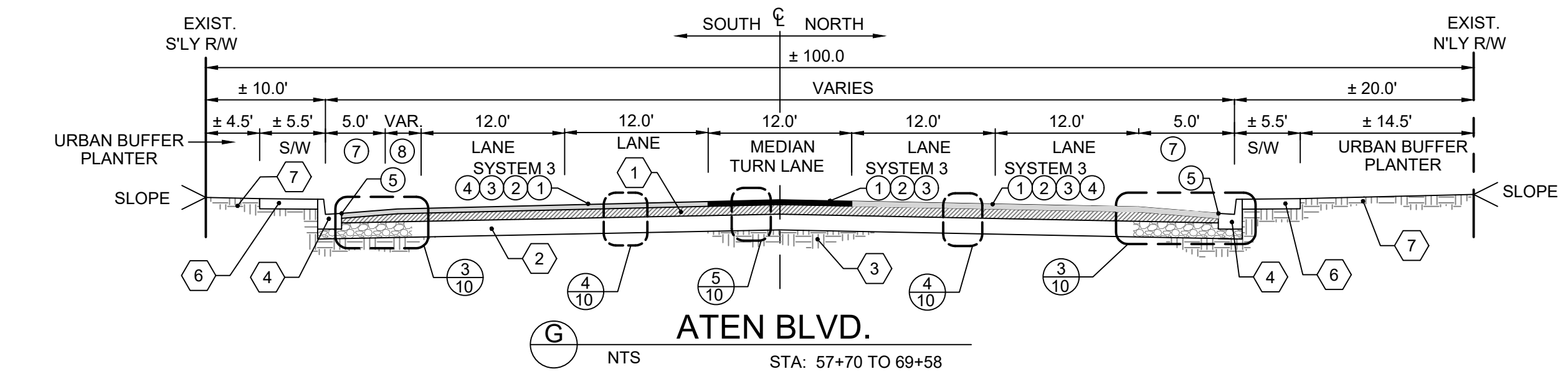
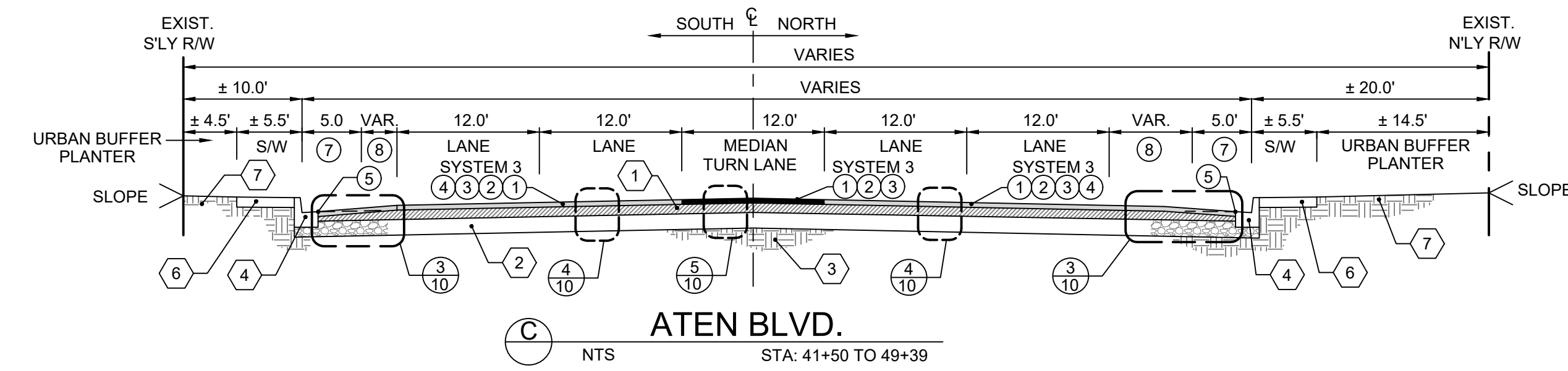
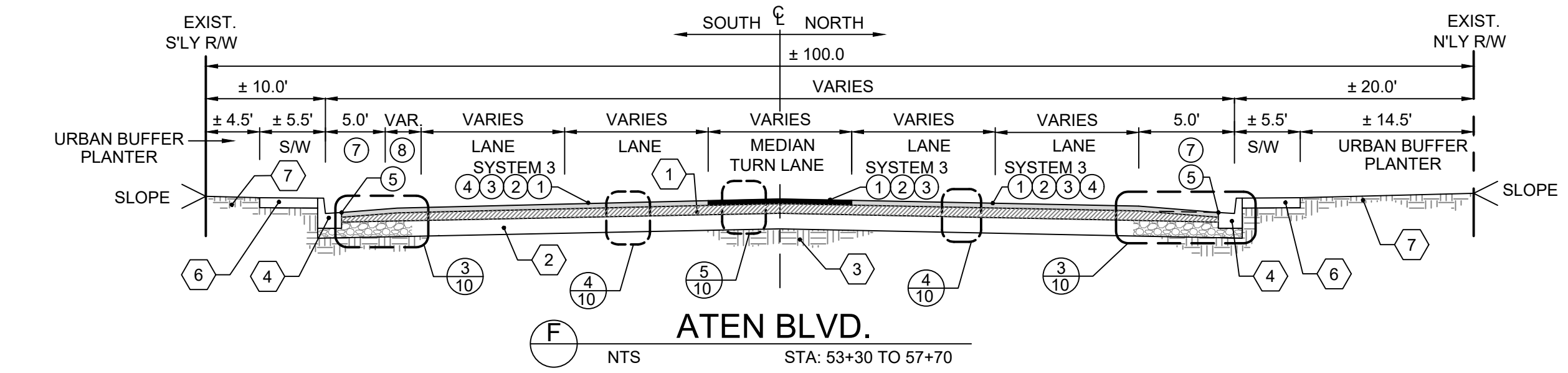
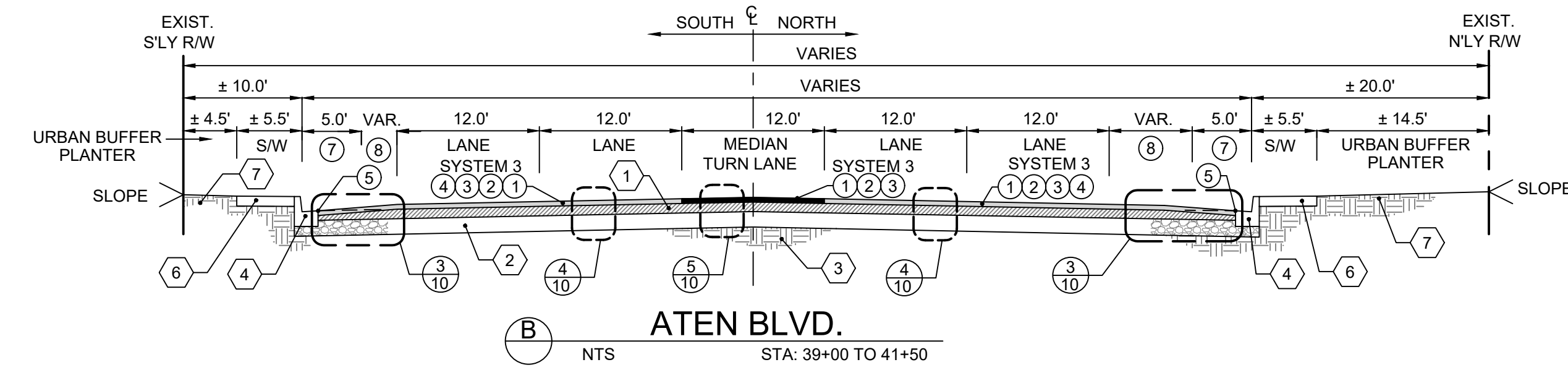
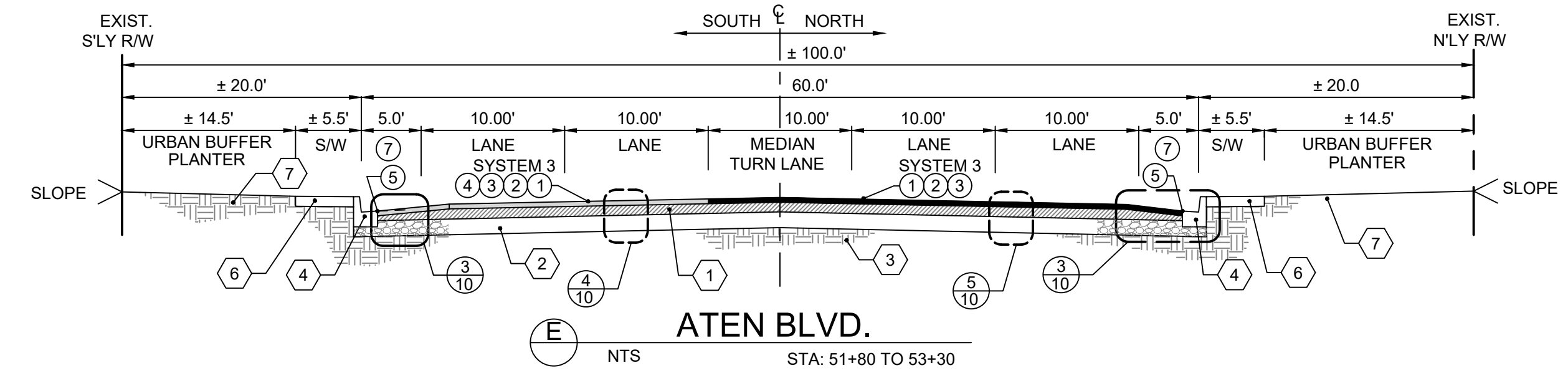
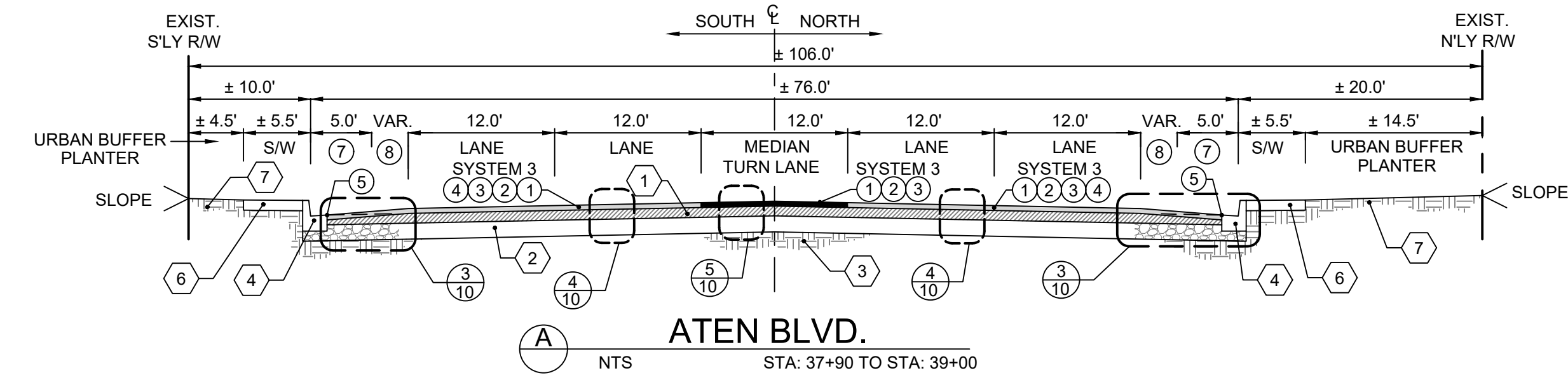


DRAWN BY: O.E.
 DESIGN BY: O.E.
 CHECK BY: R.M.
 PROJ MGR: R.M.



CITY OF IMPERIAL
 IMPROVEMENT PLANS
 ROADWAY MISCELLANEOUS
 DETAILS PLAN
 ATEN BOULEVARD REHABILITATION
 BETWEEN VILORE WAY AND OLD SR-86
 FEDERAL-AID PROJECT: STBGL 5134(027) BID NO. 2024-03
 W.O.

DRAWING NO.: RD-3
 PROJECT NO.:
 DATE: 7.09.2024
 SHEET NO.: 8 OF 13



GENERAL NOTES:

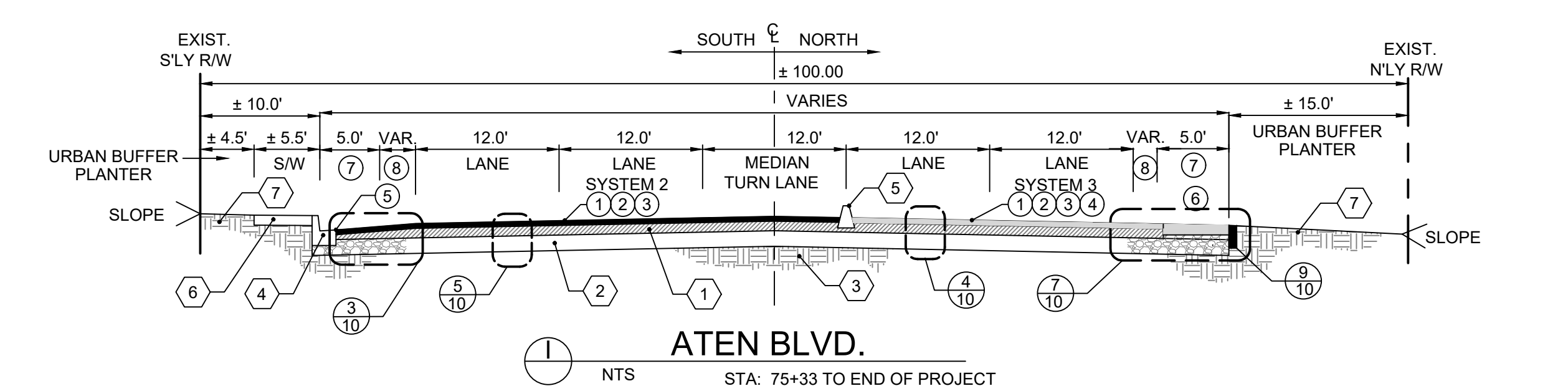
1. NO UNDERGROUND UTILITIES ARE SHOWING IN THE DRAWING
2. NO AERIAL FACILITIES ARE SHOWING IN THIS DRAWING
3. ALL THE DISTANCES ARE APPROXIMATE.
4. ALL DISTANCES ARE IN FEET.
5. CONSULT CALTRANS 2022 STD PLANS

CONSTRUCTION KEYNOTES:

- ① 1" COLD MILL
- ② 3/4" LEVELING COURSE
- ③ 1 1/2" ARHM GG (1)
- ④ 3/8" ARAM
- ⑤ FINISH PAVEMENT SHALL BE 1/2" ABOVE GUTTER LIP.
- ⑥ CONSTRUCT PAVEMENT EDGE TREATMENT PER CALTRANS P75 CASE A STD.
- ⑦ CONSTRUCT BIKE LANE
- ⑧ STREET BUFFER
- ⑨ INSTALL 2"x6" REDWOOD HEADER (HEADERBOARD)

EXISTING COMPONENTS OF THE CROSS SECTIONS:

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



MARK	BY	APP.	DATE
6			10.6.23
5			6.19.23
4			5.31.23
3			3.19.23
2			2.27.23
1			2.21.23

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



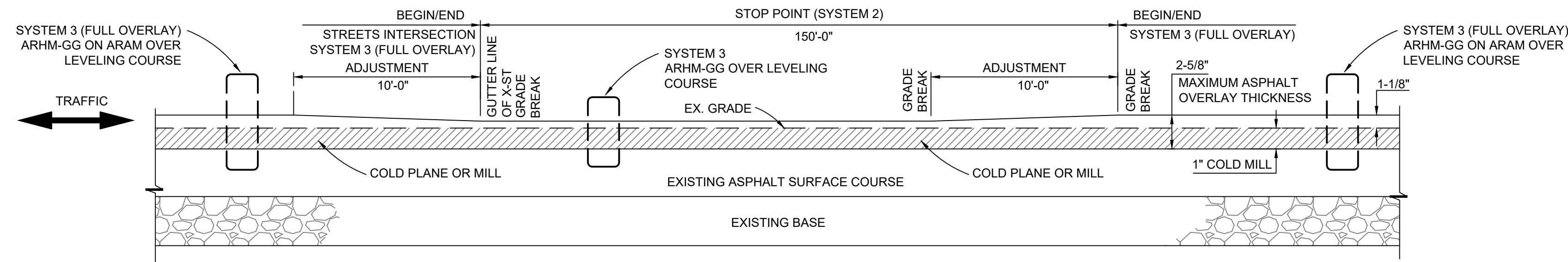
DRAWN BY:	O.E.
DESIGN BY:	O.E.
CHECK BY:	R.M.
PROJ MGR:	R.M.



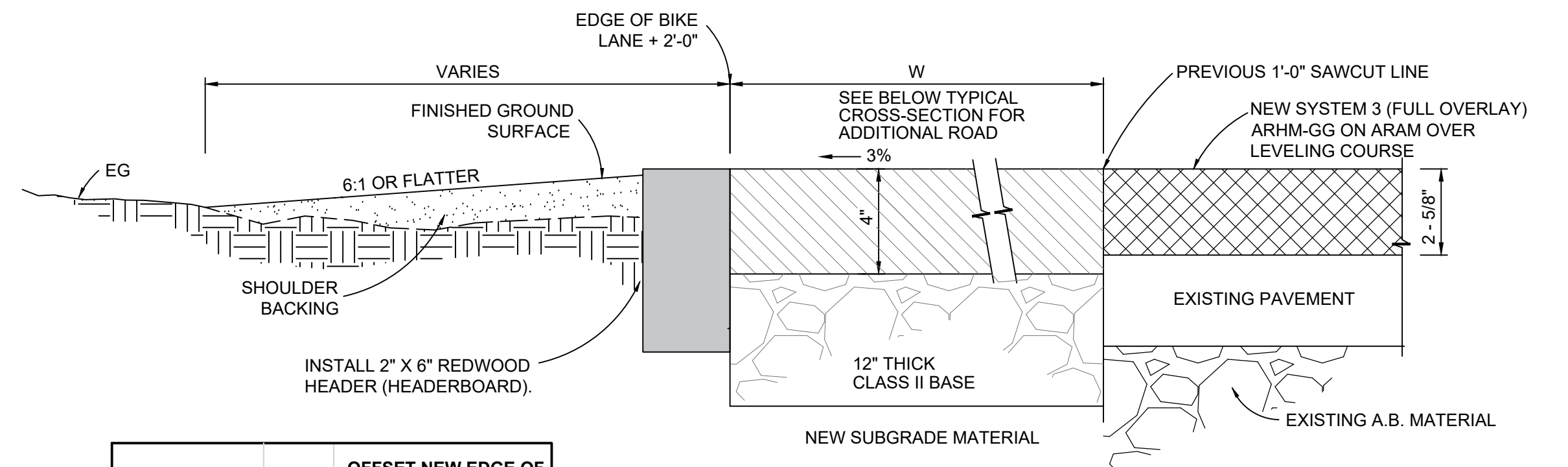
CITY OF IMPERIAL	
IMPROVEMENT PLANS	
PROPOSED ROADWAY	
X-SECTIONS PLAN	
ATEN BOULEVARD REHABILITATION	
BETWEEN VILORE WAY AND OLD SR-86	
FEDERAL-AID PROJECT: STBGL 5134(027) BID NO. 2024-03	
W.O.	

DRAWING NO.:	RS-1
PROJECT NO.:	
DATE:	7.09.2024
SHEET NO.:	9 OF 13

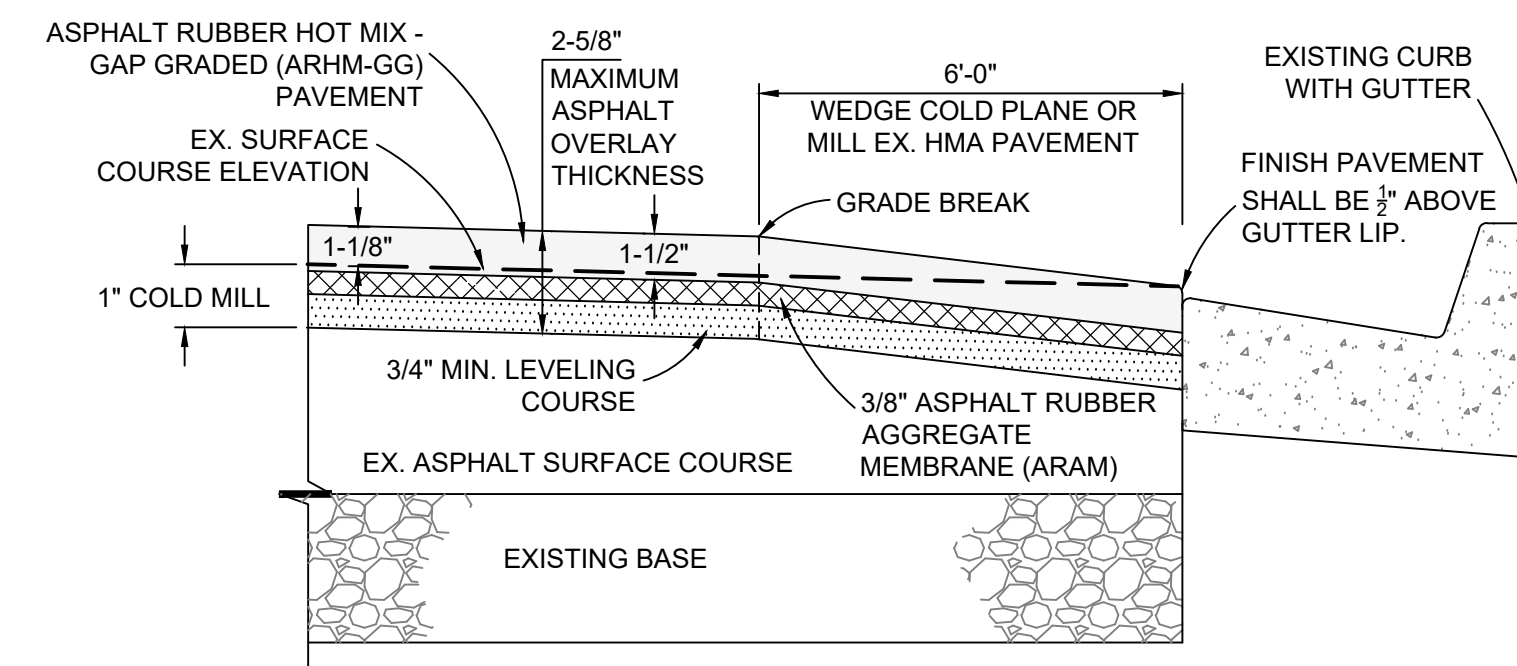
ATEN BOULEVARD REHABILITATION BID NO. 2024-03



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

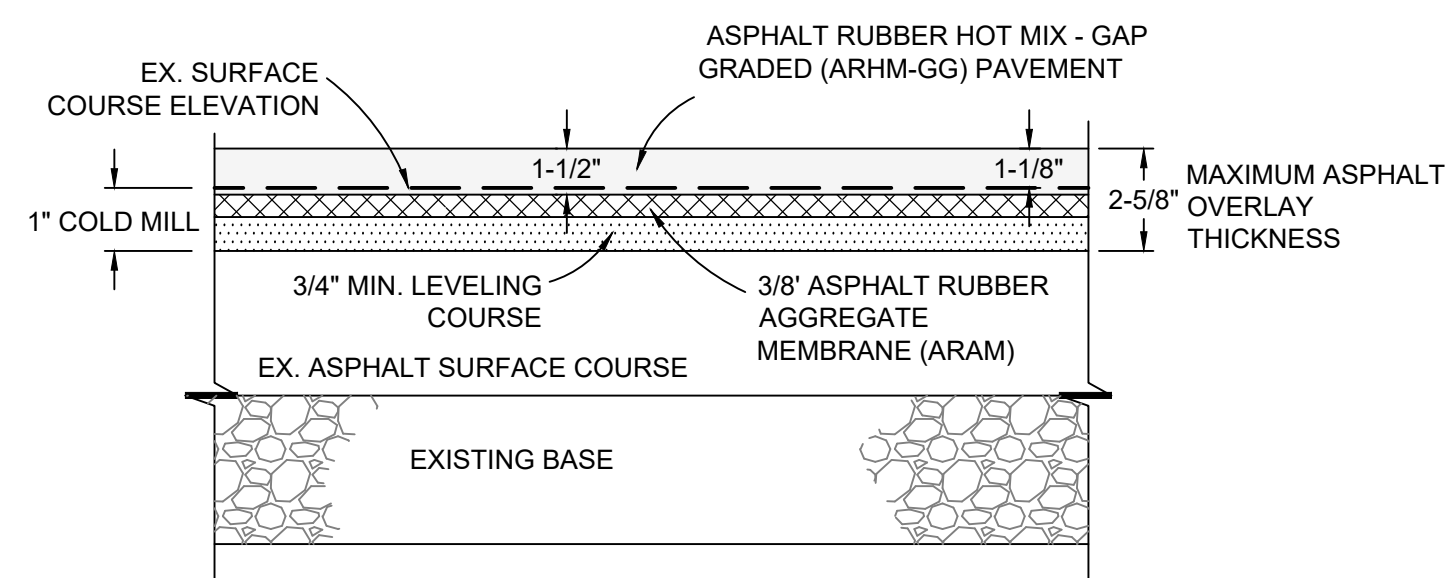


2 SYSTEM 3 / EXISTING STRUCTURE APPROACH
PAVEMENT TRANSITION TAPER (TERMINATION JOIN):
ARHM-GG ON ARAM OVER LEVELING COURSE (N.T.S.)

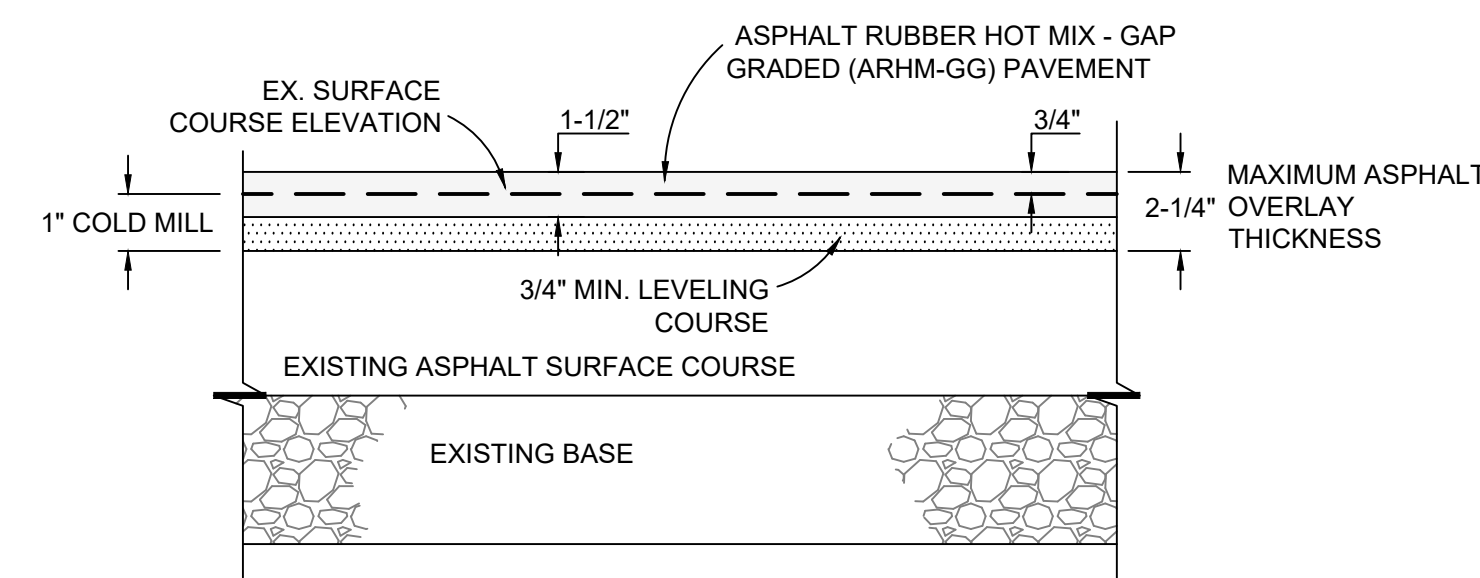


NOTE: APPLY TO EXISTING DRAINAGE

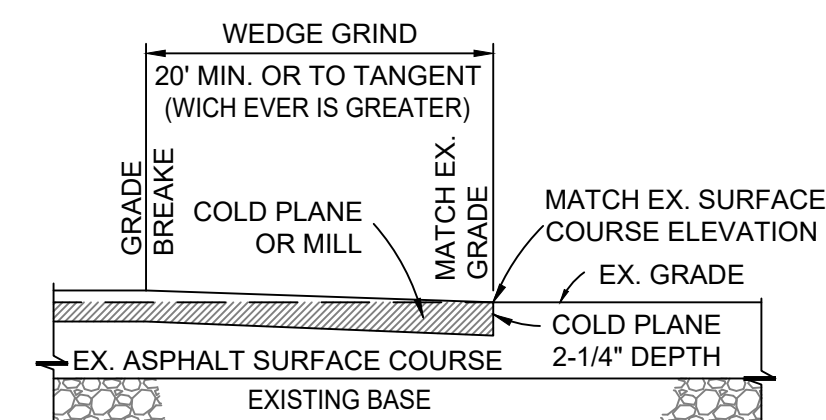
3 SYSTEM 3:
ARHM-GG ON ARAM OVER LEVELING COURSE CONFORM TO
EXISTING CURB WITH GUTTER DETAIL (N.T.S.)



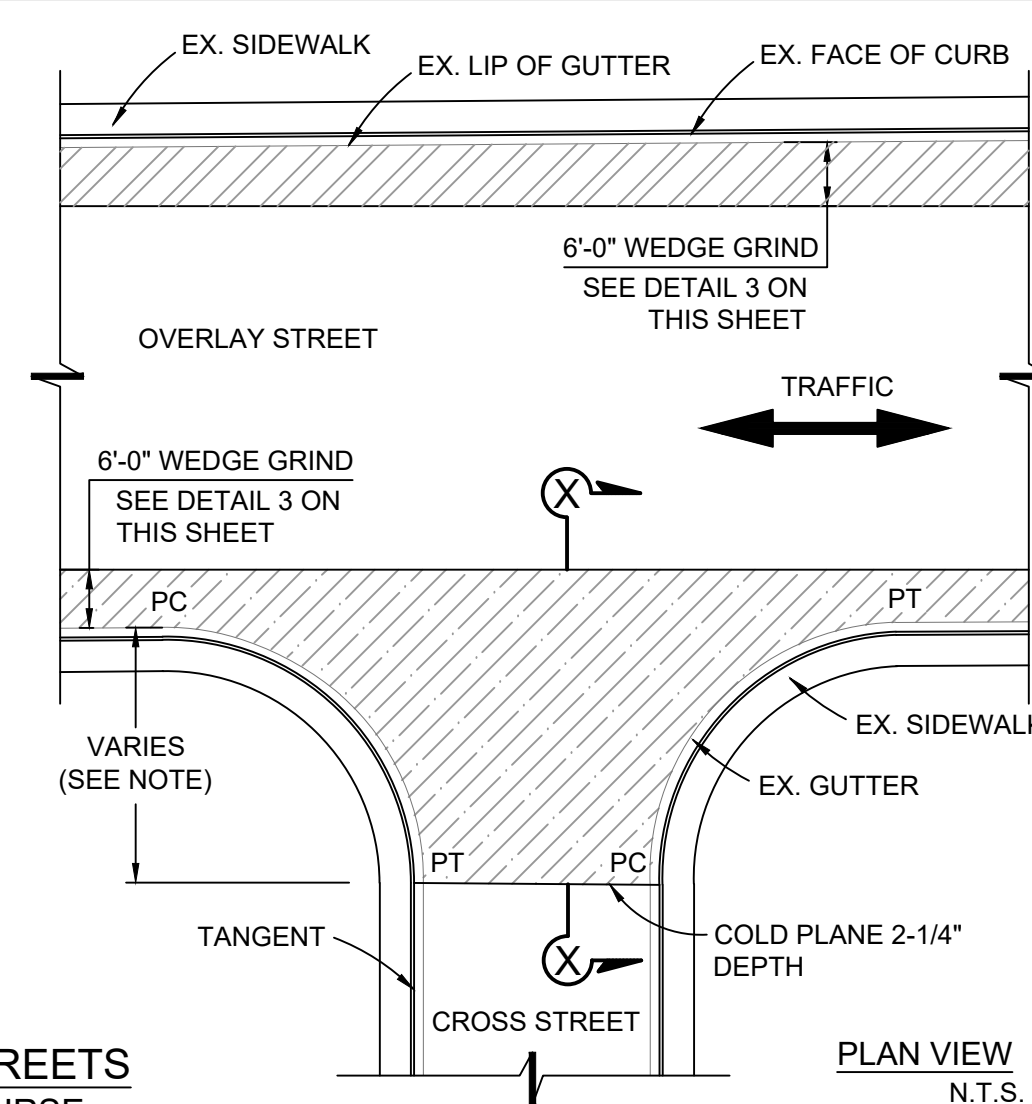
4 SYSTEM 3:
ARHM-GG ON ARAM OVER LEVELING COURSE (N.T.S.)



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



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

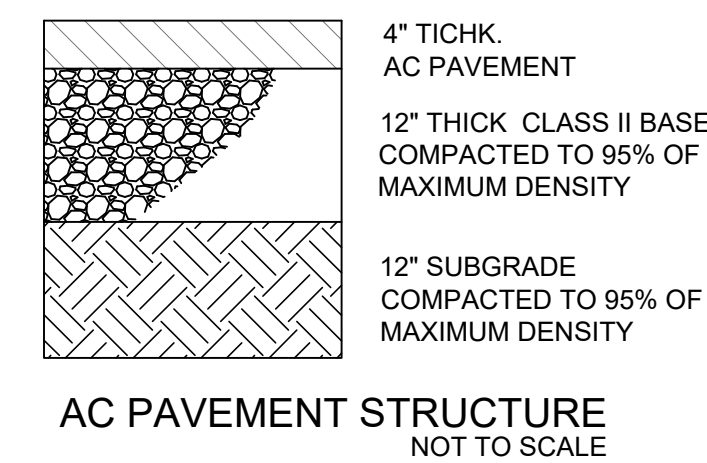


NOTES:

- 1 COLD PLANE 2 FOOT WIDE X 0.20 FOOT DEEP AREA FOR THE FULL WIDTH OF THE A.C. PAVEMENT.
- 2 TACK COAT THE SAWCUT A.C. PAVEMENT EDGE AND COLD PLANED AREA WITH A GRADE SS-1H EMULSIFIED ASPHALT AT AN APPROXIMATE RATE OF 0.05 TO 0.10 GALLON PER SQUARE YARD. THE SH-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.
- 3 OVERLAY HEADER AREA TO MATCH NEW AND EXISTING A.C. SURFACES.
- 4 WHERE PAVEMENT IS INSTALLED ON A PROJECT ON MORE THAN ONE DAY, A HEADER (AS HERE IN DESCRIBED) MUST BE PROVIDED AT THE CONSTRUCTION JOINT.

COLD PLANE DETAIL

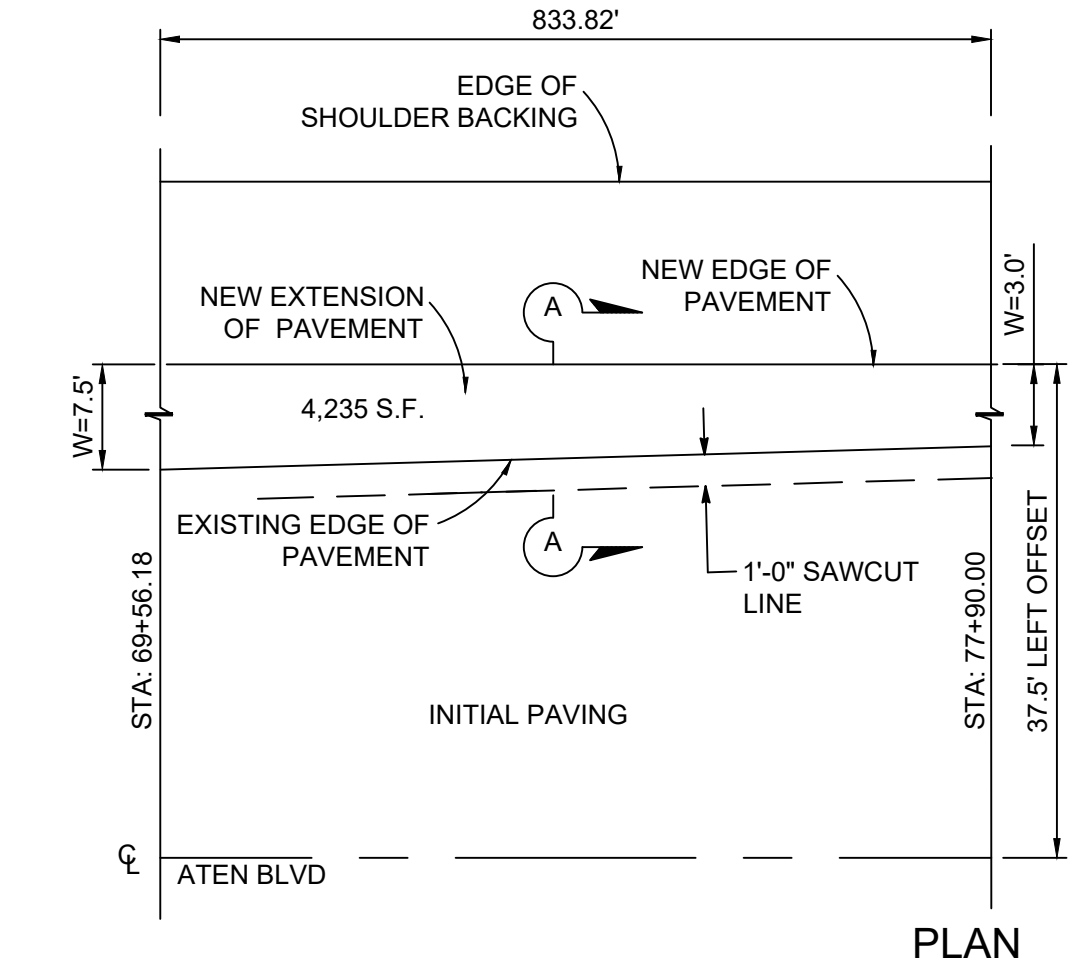
STATION	W	OFFSET NEW EDGE OF PAVEMENT
STA: 70+72.40	7.5'	37.5' LF
STA: 72+11.40	6.5'	37.5' LF
STA: 74+65.15	3.0'	37.5' LF
STA: 75+53.10	3.0'	37.5' LF
STA: 76+45.40	3.0'	37.5' LF



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 LINE.

SECTION A-A



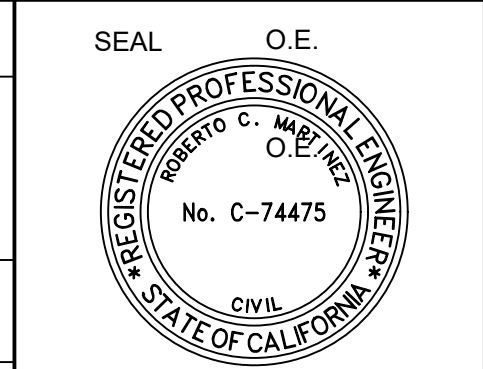
PLAN

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

ATEN BOULEVARD REHABILITATION BID NO. 2024-03

MARK	BY	APP.	DATE
6			10.6.23
5			6.19.23
4			5.31.23
3			3.19.23
2			2.27.23
1			2.21.23

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



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



CITY OF IMPERIAL
IMPROVEMENT PLANS
ROADWAY DETAILS PLAN
ATEN BOULEVARD REHABILITATION BETWEEN VILORE WAY AND OLD SR-86 FEDERAL-AID PROJECT: STBGL 5134(027) BID NO. 2024-03
W.O.

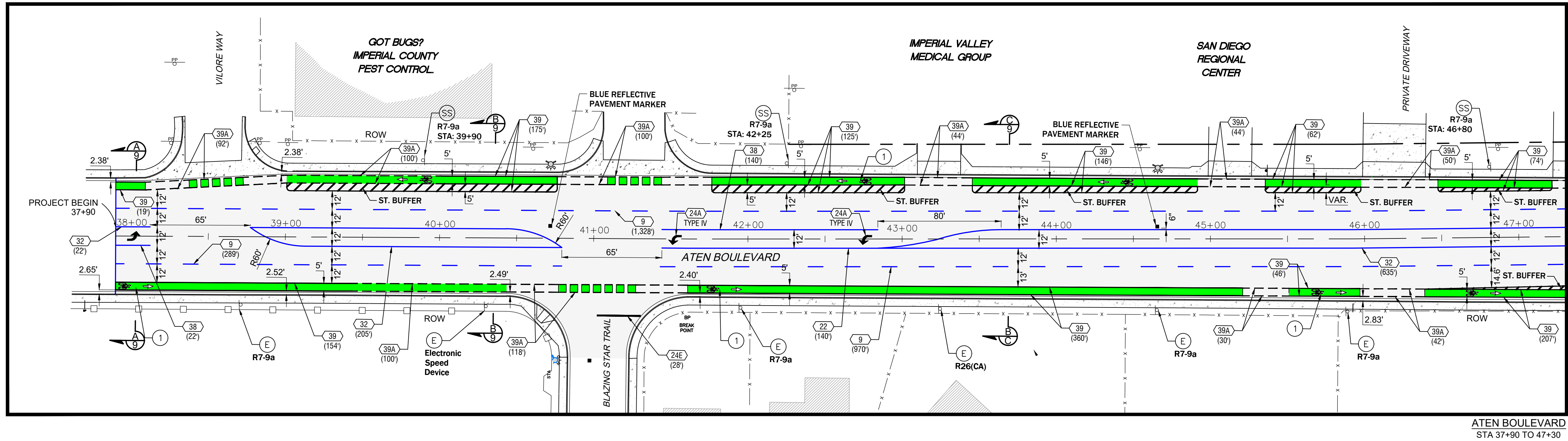
DRAWING NO.:	RS-1
PROJECT NO.:	
DATE:	7.09.2024
SHEET NO.:	10 OF 13

LEGEND

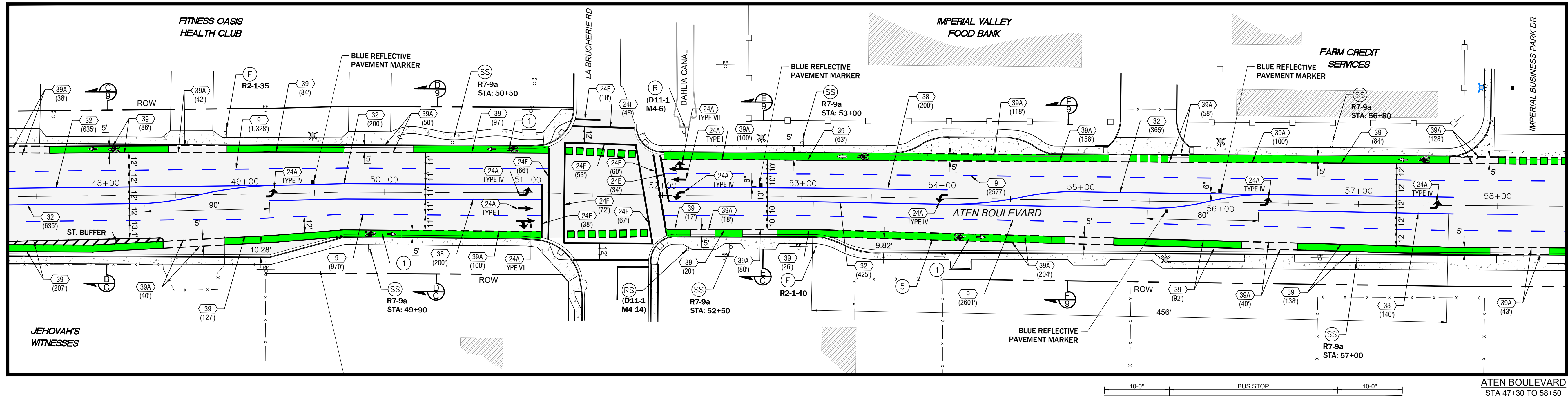
- STRIPING DETAIL NO
- THERMOPLASTIC TYPE IV ARROW PAVEMENT MARKING
- THERMOPLASTIC TYPE I ARROW PAVEMENT MARKING
- THERMOPLASTIC TYPE VII ARROW PAVEMENT MARKING
- EXISTING HYDRANT
- INSTALL SIGN - STRAP AND SADDLE BRACKET METHOD PER CALTRANS STD. PLAN RS4
- REMOVE ROADSIDE SIGN AND POST

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 DELINEATORS, 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



58+50 MATCHLINE
SEE DWG NO 12 OF 13

SIGNAGE KEYNOTES

SIGN CODE	SIGN DESCRIPTION	SIGN LOCATION	SIGN SIZE	POST MATERIAL	POST SIZE
		STATION OFFSET	X Y		
R7-9a	NO PARKING / BIKE LANE SIGN	STA: 39+90 48.5' LF	12" 18"	STEEL	2 1/2" x 2 1/2"
R7-9a	NO PARKING / BIKE LANE SIGN	STA: 42+25 48.1' LF	12" 18"	STEEL	2 1/2" x 2 1/2"
R7-9a	NO PARKING / BIKE LANE SIGN	STA: 46+80 44.9' LF	12" 18"	STEEL	2 1/2" x 2 1/2"
R7-9a	NO PARKING / BIKE LANE SIGN	STA: 49+90 38.3' RT	12" 18"	STEEL	2 1/2" x 2 1/2"
R7-9a	NO PARKING / BIKE LANE SIGN	STA: 50+50 34.0' LF	12" 18"	STEEL	2 1/2" x 2 1/2"
R7-9a	NO PARKING / BIKE LANE SIGN	STA: 52+50 34.8' RT	12" 18"	STEEL	2 1/2" x 2 1/2"
R7-9a	NO PARKING / BIKE LANE SIGN	STA: 53+00 37.1' LF	12" 18"	STEEL	2 1/2" x 2 1/2"
R7-9a	NO PARKING / BIKE LANE SIGN	STA: 56+80 40.9' LF	12" 18"	STEEL	2 1/2" x 2 1/2"
R7-9a	NO PARKING / BIKE LANE SIGN	STA: 57+00 37.0' RT	12" 18"	STEEL	2 1/2" x 2 1/2"

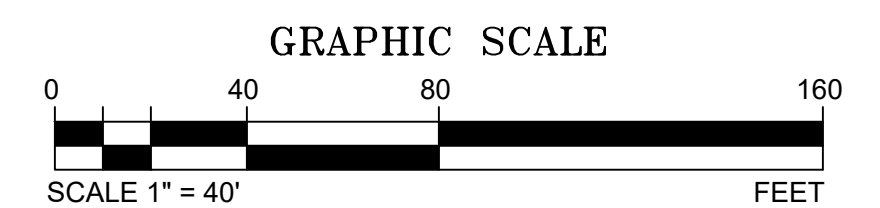
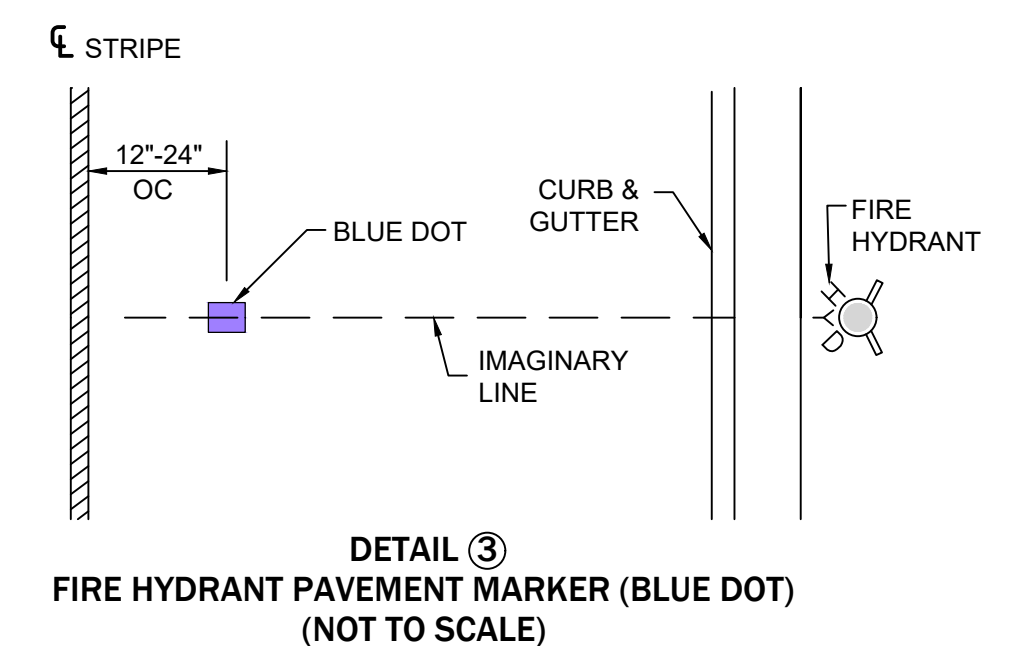
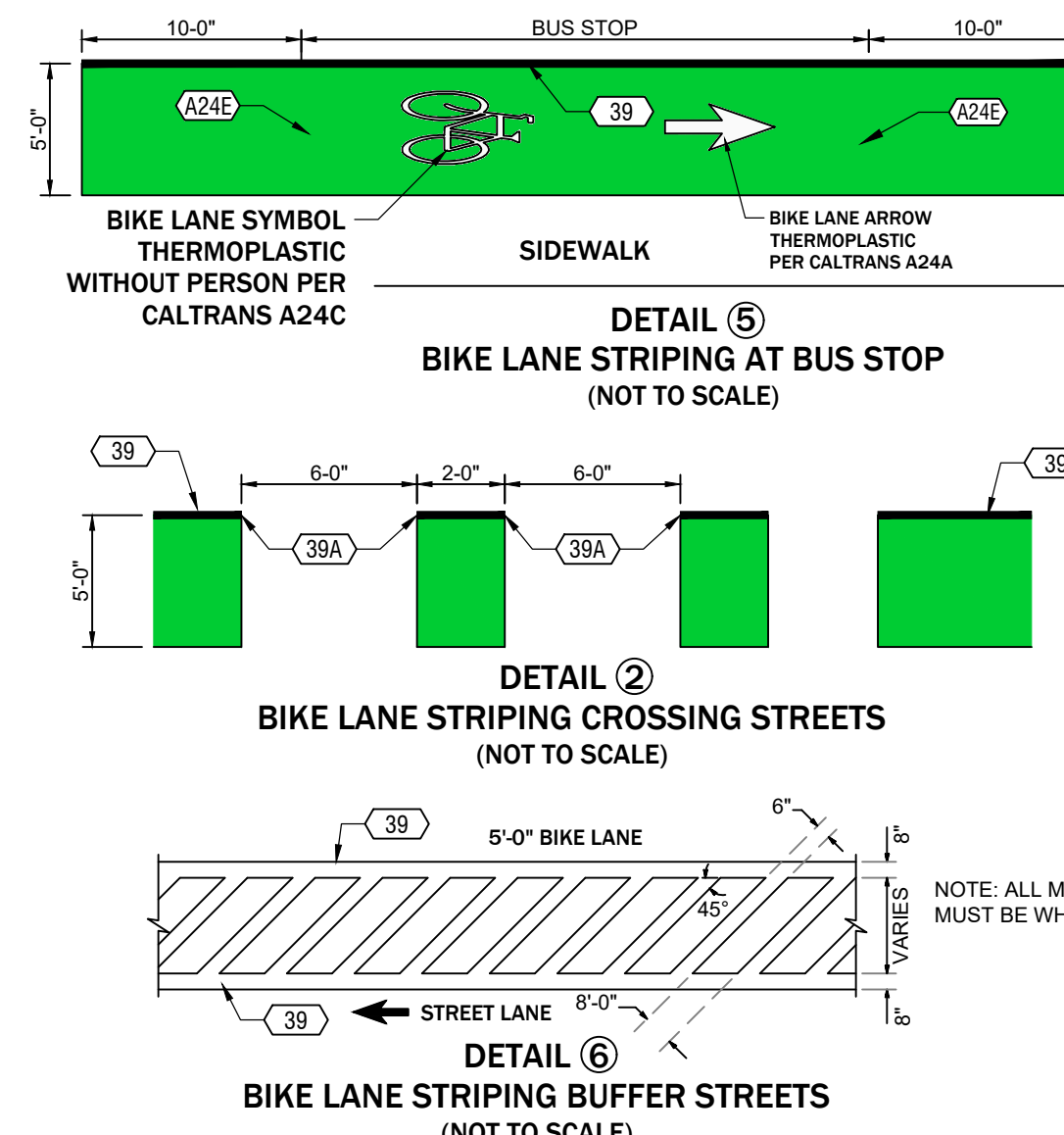
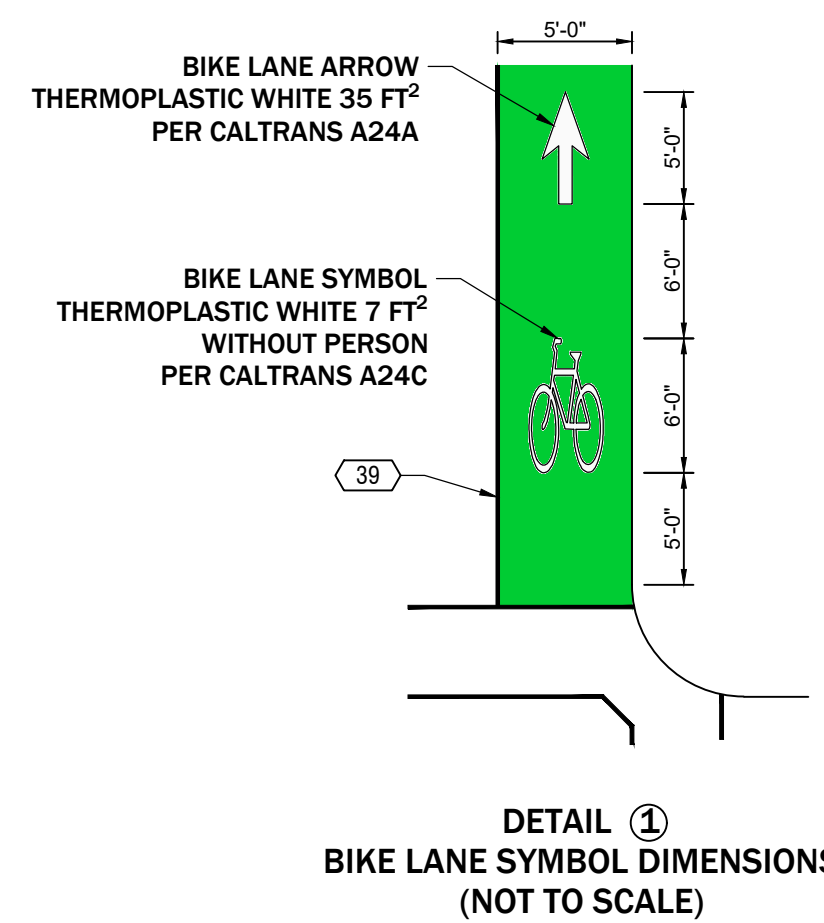


SIGNING & BLUE DOT NOTES:

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 MVL1-440B-0 OR MVL1-440C-0 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 HEREON.)
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 OOOZES 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 WHITE 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 6" 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-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 (IA-14)



ATEN BOULEVARD REHABILITATION BID NO. 2024-03

MARK	DESCRIPTION	BY	APP.	DATE	
6	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.	3.19.23
2	IFR - DRAWING ISSUED FOR REVIEW		O.E.	R.M.	2.27.23
1	IFR - DRAWING ISSUED FOR INFORMATION ONLY		O.E.	R.M.	2.27.23

BY: ENGINEER OF RECORD	SEAL
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

SEAL: REGISTERED PROFESSIONAL ENGINEER, CIVIL, STATE OF CALIFORNIA, No. C-74475

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

VEXER ENGINEERING
312 E. BARNUM BLVD. IMPERIAL, CA 92251 (760) 554-9336
VEXERENGINEERING.COM
VEXERCON@GMAIL.COM

City of Imperial California logo

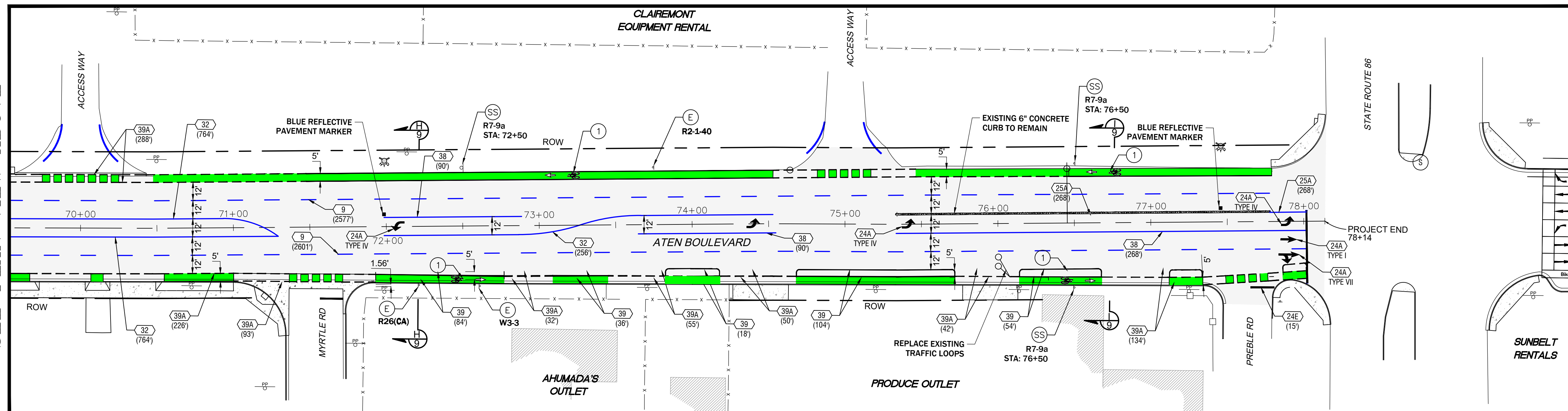
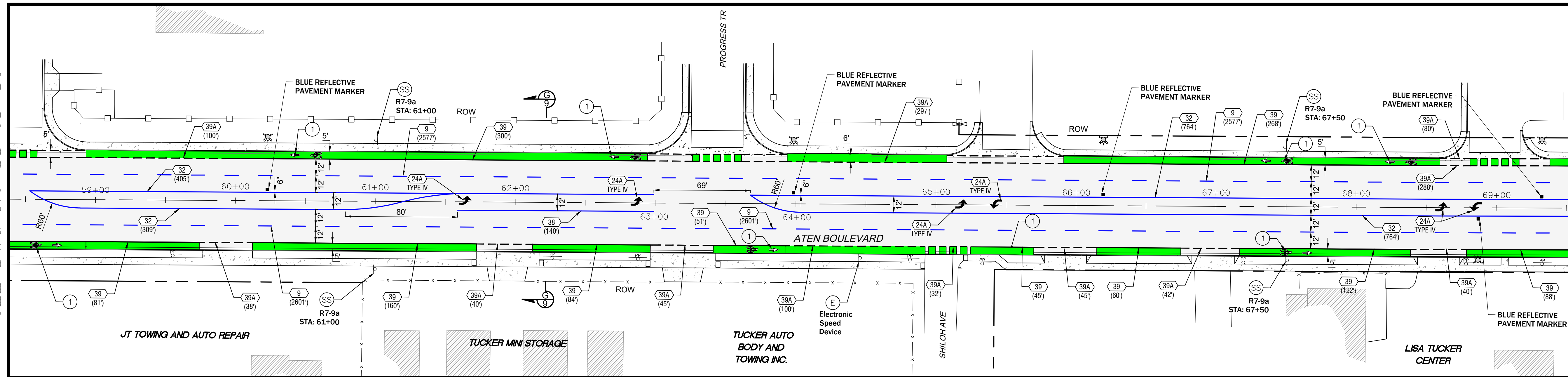
CITY OF IMPERIAL
IMPROVEMENT PLANS
SIGNING AND STRIPING PLAN
SHEET 1
ATEN BOULEVARD REHABILITATION
BETWEEN VLORE WAY AND OLD SR-86
FEDERAL-AID PROJECT: STBGL 5134(027) BID NO. 2024-03
W.O.

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

58+50 MATCHLINE
SEE DWG NO 11 OF 13

69+57 MATCHLINE
SEE PLAN VIEW ABOVE

69+57 MATCHLINE
SEE PLAN VIEW BELOW



LEGEND

- STRIPING DETAIL NO
- THERMOPLASTIC TYPE IV ARROW PAVEMENT MARKING
- THERMOPLASTIC TYPE I ARROW PAVEMENT MARKING
- THERMOPLASTIC TYPE VII 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 STRIPE (PAINT) AND SHALL CONFORM TO CALTRANS STANDARD PLANS. EXACT LOCATIONS OF TEMPORARY STRIPING, MARKINGS AND SIGNS SHALL BE DETERMINED BY THE CITY ENGINEER.
 - THE CONTRACTOR SHALL REMOVE ALL CONFLICTING STRIPING AND PAVEMENT MARKINGS BY WET SANDBLASTING OR AS DIRECTED BY THE CITY ENGINEER.
 - THE CONTRACTOR SHALL HAVE ALL TEMPORARY DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - FOR MID-DAY WORK (9:00am-3:00pm) OR SHORT TERM LANE CLOSURES, TRAFFIC CONTROL SHALL COMPLY WITH 2014 EDITION OF CA MUTCD
 - REMOVE ALL CONFLICTING STRIPING.

SIGNAGE KEYNOTES

SIGN CODE	SIGN DESCRIPTION	SIGN LOCATION	SIGN SIZE	POST MATERIAL	POST SIZE		
STATION	OFFSET	X	Y				
R7-9a	NO PARKING / BIKE LANE SIGN	STA: 61+00	41.9' LF	12"	18"	STEEL	2 1/2" x 2 1/2"
R7-9a	NO PARKING / BIKE LANE SIGN	STA: 61+00	46.7' RT	12"	18"	STEEL	2 1/2" x 2 1/2"
R7-9a	NO PARKING / BIKE LANE SIGN	STA: 67+50	40.1' LF	12"	18"	STEEL	2 1/2" x 2 1/2"
R7-9a	NO PARKING / BIKE LANE SIGN	STA: 67+50	36.0' RT	12"	18"	STEEL	2 1/2" x 2 1/2"
R7-9a	NO PARKING / BIKE LANE SIGN	STA: 72+50	38.5' LF	12"	18"	STEEL	2 1/2" x 2 1/2"
R7-9a	NO PARKING / BIKE LANE SIGN	STA: 76+50	38.5' LF	12"	18"	STEEL	2 1/2" x 2 1/2"
R7-9a	NO PARKING / BIKE LANE SIGN	STA: 76+00	41.5' RT	12"	18"	STEEL	2 1/2" x 2 1/2"

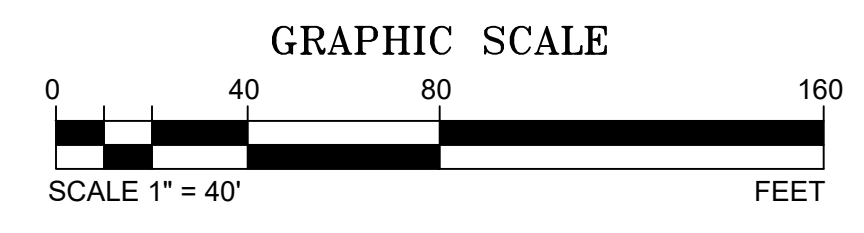
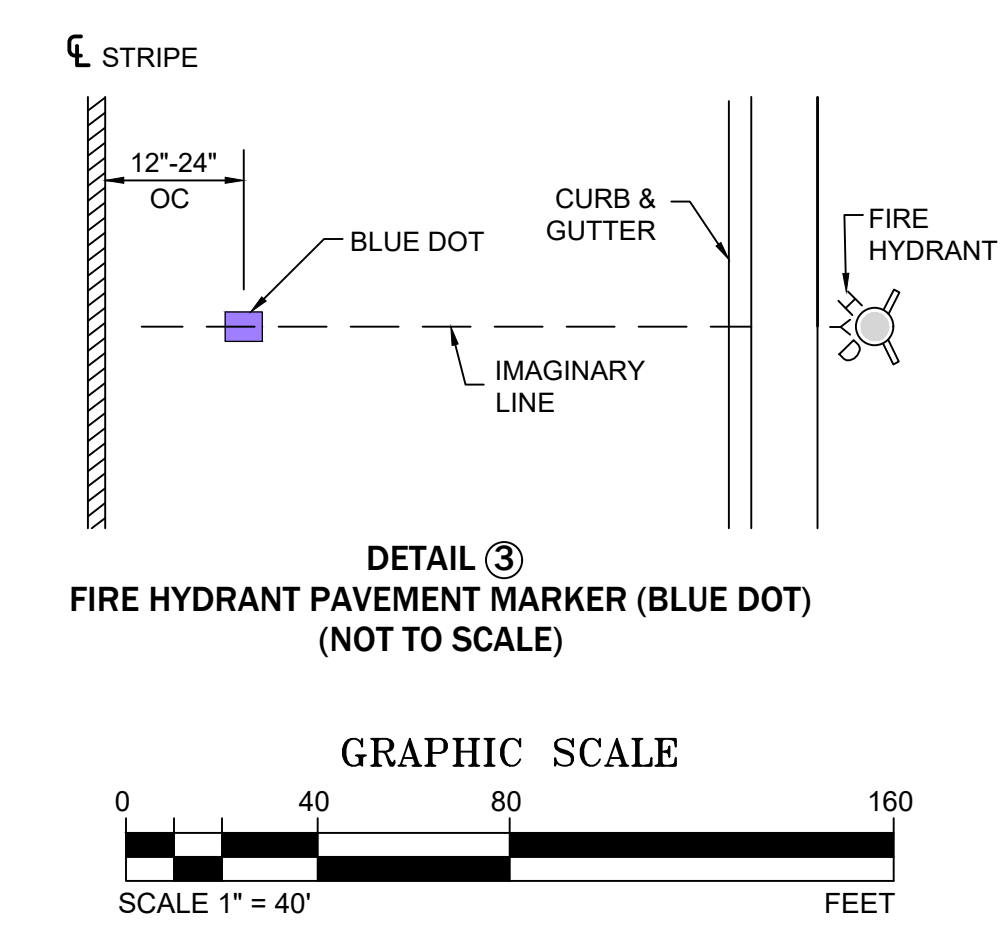
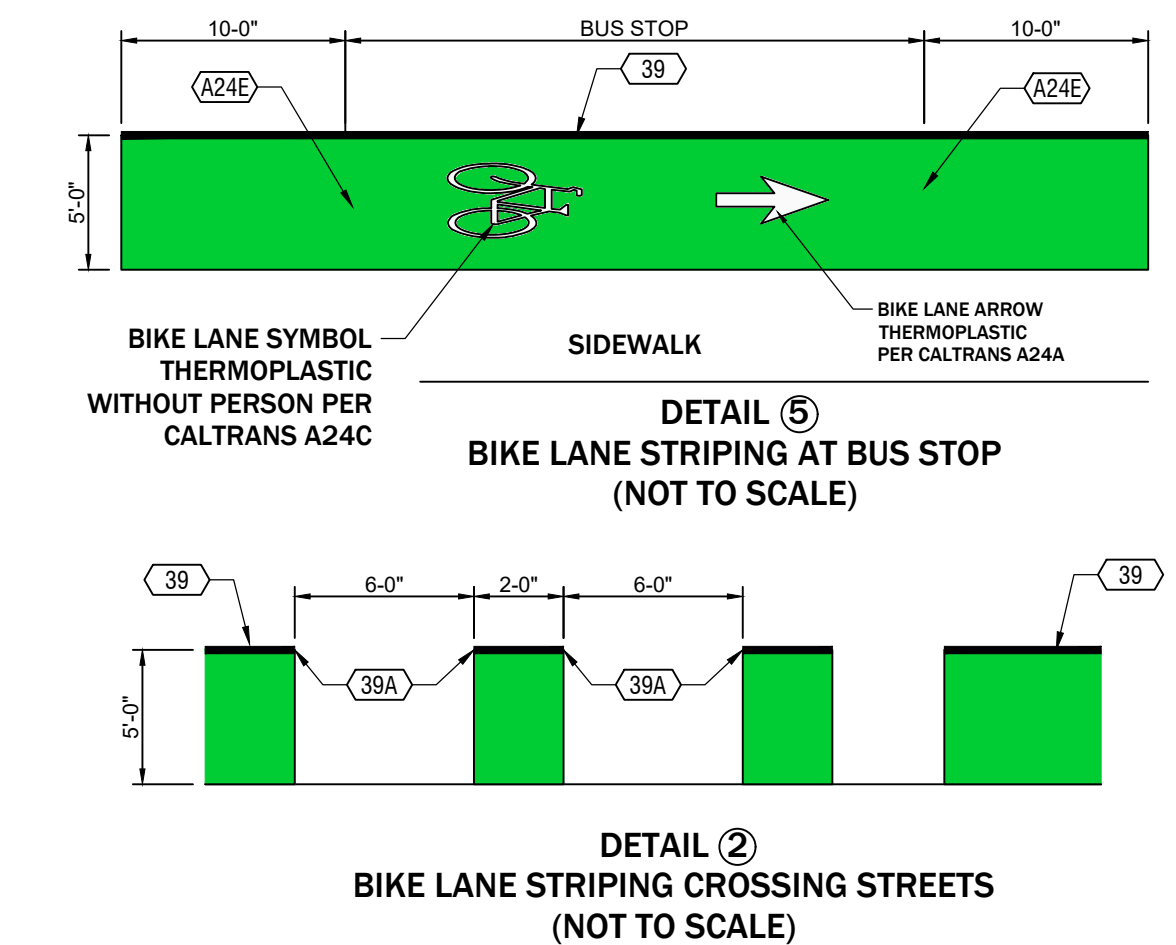
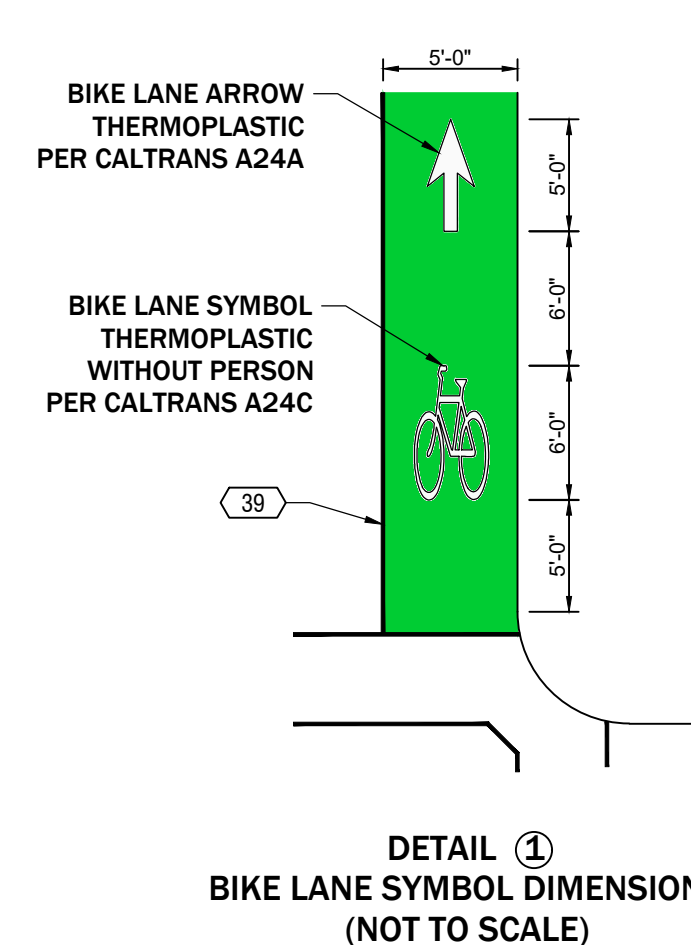


SIGNING & BLUE DOT NOTES:

- 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 MVL-440B-0 OR MVL-440C-0 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 HEREON.)
- 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 OZZES OUT AROUND THE EDGES OF THE "BLUE DOT".

PAVEMENT MARKING AND STRIPING KEYNOTES

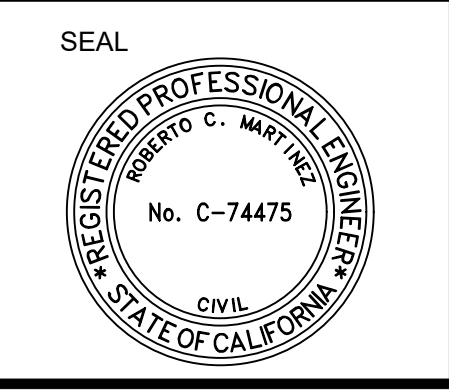
- PAINT THERMOPLASTIC 4" BROKEN WHITE LINE PER CALTRANS A20A, DETAIL 9
- PAINT THERMOPLASTIC WHITE TYPE I (10'-0", TYPE IV (L) OR TYPE VII (L) ARROWS PER CALTRANS STANDARD PLAN A24A
- INSTALL PAVEMENT MARKINGS WHITE THERMOPLASTIC PER CALTRANS A24E
- PAINT THERMOPLASTIC 1'-0" WHITE BASIC TYPE LINE PER 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 6" 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-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 (IA-14)



ATEN BOULEVARD REHABILITATION BID NO. 2024-03

MARK	BY	APP.	DATE
6			10.6.23
5			6.19.23
4			5.31.23
3			3.19.23
2			2.27.23
1			2.21.23

BY: ENGINEER OF RECORD
PLANS PREPARED UNDER THE SUPERVISION OF:
Roberto C. Martinez
BY: ROBERTO C. MARTINEZ DATE: 7-09-2024
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
SIGNING AND STRIPING PLAN
SHEET 2
ATEN BOULEVARD REHABILITATION
BETWEEN VILORE WAY AND OLD SR-86
FEDERAL-AID PROJECT: STBGL 5134(027) BID NO. 2024-03
W.O.

DRAWING NO: CH-2
PROJECT NO.:
DATE: 7.09.2024
SHEET NO: 12 OF 13

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 STORM-WATER MANAGEMENT BMP NS-1: WATER CONSERVATION PRACTICES. BMP NS-3: PAVING AND GRADING OPERATIONS. BMP NS-6: ILLICIT CONNECTION/DISCHARGE. 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: SOLID WASTE MANAGEMENT. BMP WM-8: CONCRETE WASTE MANAGEMENT. BMP WM-9: SANITARY/SEPTIC WASTE MANAGEMENT.

THE CONSTRUCTION SEQUENCE NOTES

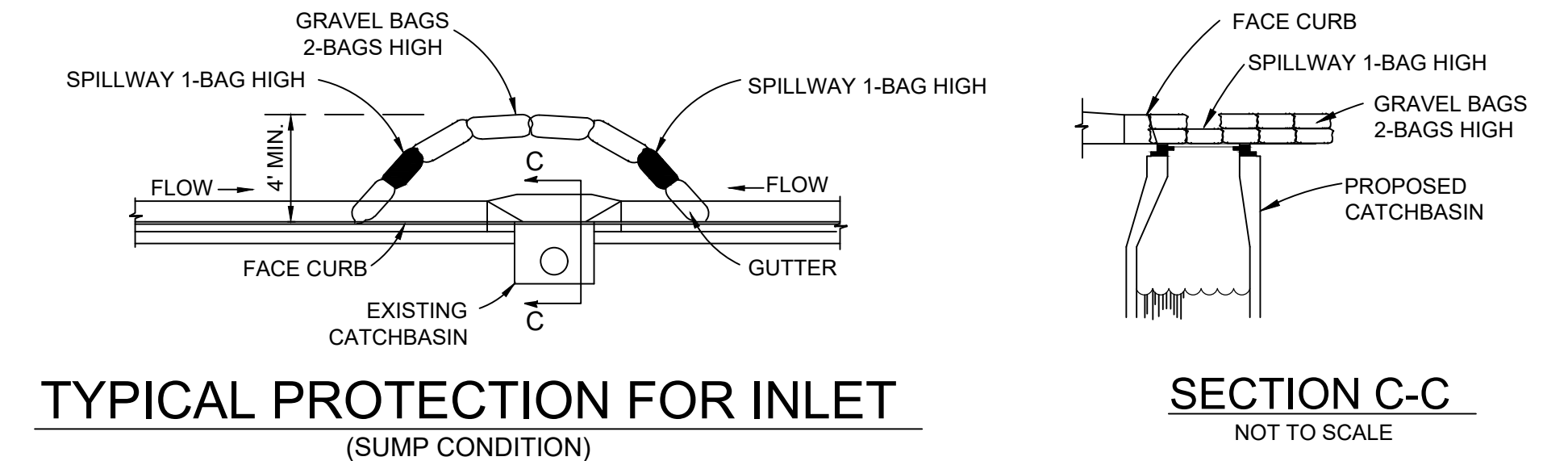
EROSION AND SEDIMENT RECOMMENDED CONSTRUCTION SEQUENCE

- 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, PIPES, RESTRICTIONS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.).
- THE IMPLEMENTATION OF THE SITE PREPARATION AND EROSION CONTROL PLAN AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADING 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 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-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 TACKIFIER. 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.).
- 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, SILTY AND CLAYEY SOILS; AND LANDSCAPE MATERIALS, SHALL BE COVERED WHEN NOT BEING INCORPORATED IN THE WORK. EROSION CONTROL BMP'S SHALL BE UTILIZED AS NECESSARY TO PREVENT SEDIMENT-LADEN 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-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 CASQA 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 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 BMP'S 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 BMP'S SHOWN ARE UTILIZED BUT ARE INSUFFICIENT TO PREVENT SEDIMENT FROM REACHING WATER BODIES, ADJACENT PROPERTIES, OR PUBLIC RIGHTS-OF-WAY; ADDITIONAL BMP'S 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. TARPS, 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 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 BMP'S 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-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 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 PEA 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, 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 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

ATEN BOULEVARD REHABILITATION BID NO. 2024-03

6	MODIFICATION TO BIKE LANE STRIPING	O.E.	R.M.	10.6.23	BY: ENGINEER OF RECORD	SEAL	DRAWN BY: O.E.	 312 E. BARNUM BLVD. IMPERIAL, CA 92251 (760) 554-9336 VEXERENGINEERING.COM VEXERCOR@GMAIL.COM	 CITY OF IMPERIAL IMPROVEMENT PLANS SITE PREPARATION AND EROSION CONTROL GENERAL NOTES ATEN BOULEVARD REHABILITATION BETWEEN VILORE WAY AND OLD SR-86 FEDERAL-AID PROJECT: STBGL 5134(027) BID NO. 2024-03 W.O.	DRAWING NO.: PE-1
5	IFR - DRAWING ISSUED FOR REVIEW	O.E.	R.M.	6.19.23	PLANS PREPARED UNDER THE SUPERVISION OF:	DESIGN BY: O.E.	DRAWING NO.: _____			
4	IFR - DRAWING ISSUED FOR REVIEW	O.E.	R.M.	5.31.23		CHECK BY: R.M.	DATE: 7.09.2024			
3	IFR - DRAWING ISSUED FOR REVIEW	O.E.	R.M.	3.19.23	BY: ROBERTO C. MARTINEZ	PROJ MGR: R.M.	DATE: 7.09.2024			
2	IFR - DRAWING ISSUED FOR REVIEW	O.E.	R.M.	2.27.23	DATE: 7-09-2024		DATE: 7.09.2024			
1	IFI - DRAWING ISSUED FOR INFORMATION ONLY	O.E.	R.M.	2.21.23	R.C.E. NO.: C-74475	REG. EXP. 12-31-2025	DATE: 7.09.2024			
MARK		BY	APP.	DATE				SHEET NO.: 13 OF 13		