CITY OF HOLTVILLE

PEDESTRAIN AND BICYCLE IMPROVEMENTS ON 9TH STREET BETWEEN MELON ROAD AND OLIVE AVENUE PROJECT NUMBER STPL-5174(034)

GENERAL NOTES

1. UTILITIES

THE LOCATION OF UNDERGROUND UTILITIES ILLUSTRATED ON THE PLANS IS APPROXIMATE, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT UNDERGROUND SERVICE ALERT TO EXACTLY LOCATE THE UNDERGROUND UTILITIES. UNDERGROUND SERVICE ALERT SHOULD BE CONTACTED 72 HOURS BEFORE ANY EXCAVATION BEGINS.

THE CONTRACTOR SHALL ASSUME COMPLETE RESPONSIBILITY FOR DAMAGED UTILITIES. A LIST OF UTILITY COMPANIES WHICH SERVICE THE CITY OF HOLTVILLE APPEARS BELOW:

A. SPECTRUM
313 N. EIGHTH STREET
EL CENTRO, CA 92243
PHONE: (760) 335-4818
CONTACT: CHRISS CORTEZ

B. SOUTHERN CALIFORNIA GAS COMPANY–PLANNING DEPARTMENT
P. O. BOX 3003
1981 W. LUGONIA AVENUE
REDLANDS, CA 92373
PHONE: (909) 335-7755
CONTACT: MICHAEL JACOB

C. SOUTHERN CALIFORNIA GAS COMPANY
970 N. FOURTH STREET
EL CENTRO, CA 92243
PHONE: (760) 352-6100
CONTACT: ENRIQUE CUEVAS

D. IMPERIAL IRRIGATION DISTRICT– POWER DIVISION
1699 WEST MAIN STREET
EL CENTRO, CA 92243
PHONE: (760) 482-3408
CONTACT: ALFRED ORNELAS

E. IMPERIAL IRRIGATION DISTRICT– WATER DIVISION
333 E. BARONI BLVD.T
IMPERIAL, CA. 92251
PHONE: (760) 339-9260
CONTACT: JOHN R KILPS

F. AT&T TELEPHONE
1029 S. SECOND STREET
EL CENTRO, CA 92243
PHONE: (760) 337-3330
CONTACT: CARLOS SOTO

G. CITY OF HOLTVILLE
121 W. FIFTH STREET
HOLTVILLE, CA 92250
PHONE: (760) 356-2632
CONTACT: ALEX CHAVEZ, PUBLIC WORKS SUPERVISOR

H. CR&R INC
599 E. MAIN ST
EL CENTRO, CA 92243
PHONE: (760)482-5656
CONTACT: CONSTRUCTION CUSTOMER SERVICE

I. UNDERGROUND SERVICE ALERT
PHONE: 811

2. AS–BUILT DRAWINGS

THE CONTRACTOR SHALL MAINTAIN A SET OF DRAWINGS ON THE JOB ILLUSTRATING ALL "AS–BUILT" CHANGES MADE TO DATE. A MARKED–UP SET OF DRAWINGS SHALL BE DELIVERED TO THE ENGINEER UPON COMPLETION OF THE WORK, WHICH SHALL REFLECT ALL "AS–BUILT 1" MODIFICATIONS. THE CONTRACTOR SHALL PROVIDE "AS–BUILT" DRAWINGS TO THE ENGINEER AT THE CONCLUSION OF THE PROJECT. THE AS–BUILT DRAWINGS SHALL BE REVIEWED AND APPROVED BY THE ENGINEER THREE (3) SETS OF APPROVED BLUELINE DRAWINGS AND AN ELECTRONIC FILE (COMPUTER DISK) SHALL BE FORWARDED TO THE ENGINEER AT THE CONCLUSION OF THE PROJECT.

3. DUST CONTROL

THE CONTRACTOR SHALL MAKE A SPECIAL EFFORT TO CONTROL DUST DURING THE EXECUTION OF THE WORK. DUST SHALL BE MAINTAINED TO A MINIMUM BY REGULAR APPLICATIONS OF WATER AS NECESSARY AND AS DIRECTED BY THE ENGINEER

4. CODES AND REGULATIONS

ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH APPLICABLE CODES, ORDINANCES AND REGULATIONS OF THE CITY OF HOLTVILLE, THE STATE OF CALIFORNIA AND ALL OTHER PUBLIC AUTHORITIES HAVING JURISDICTION. CODES GOVERNING THIS WORK INCLUDE, BUT ARE NOT LIMITED TO, THE LATEST APPROVED EDITION OF THE FOLLOWING: STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, LATEST EDITION; STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREENBOOK) LATEST EDITION; OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA); CITY OF HOLTVILLE ORDINANCES AND REGULATIONS AND CITY OF HOLTVILLE STANDARD DETAILS AND SPECIFICATIONS, LATEST EDITION. REQUIREMENTS OF CODES AND REGULATIONS SHALL BE CONSIDERED AS MINIMUM. WHERE CONTRACT DOCUMENTS EXCEED WITHOUT VIOLATING CODE AND REGULATION REQUIREMENTS, CONTRACT DOCUMENTS SHALL TAKE PRECEDENCE. WHERE CODES CONFLICT, THE MORE STRINGENT SHALL APPLY. THE CONTRACTOR SHALL FURNISH ALL MATERIALS AND LABOR REQUIRED FOR COMPLIANCE WITH CODES AND REGULATIONS, EVEN THOUGH NOT SPECIFICALLY MENTIONED OR ILLUSTRATED, WITHIN THE CONTENTS OF THE PLANS OR SPECIFICATIONS.

5. EXAMINATION OF SITE

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 SITE CONDITIONS AND THE PLANS AND SPECIFICATIONS NO ALLOWANCE WILL BE PROVIDED TO THE CONTRACTOR AND SUBCONTRACTORS FOR NEGLECTING TO PROPERLY EXAMINE THE PROJECT SITE DURING THE BIDDING PERIOD.

6. PERMITS

THE CONTRACTORS AND SUBCONTRACTORS SHALL OBTAIN ALL NECESSARY PERMITS INCLUDING AN ENCROACHMENT PERMIT FROM IMPERIAL COUNTY DEPARTMENT OF PUBLIC WORKS FOR WORK WITHIN COUNTY ROW & TRAFFIC CONTROL/DETOUR, AND A BUSINESS LICENSE FROM THE CITY OF HOLTVILLE. THE CONTRACTOR SHALL NOTIFY THE CITY OF HOLTVILLE AND THE ENGINEER AT LEAST 72 HOURS PRIOR TO COMMENCING WORK THE CONTRACTOR SHALL INCLUDE ALL EXPENSES ASSOCIATED WITH THE HOLTVILLE BUSINESS LICENSE IN THE PROPOSAL.

7. TRAFFIC CONTROL

THE TRAFFIC CONTROL PLAN FOR CONSTRUCTION OF THIS PROJECT WAS COMPLETED DURING THE PROJECT DESIGN AND IS INCLUDED ON PLAN SHEETS 9 AND 10, THE CONTRACTOR SHALL NOTIFY PROPERTY OWNERS, OCCUPANTS, BUSINESSES OR OTHER FACILITIES OF AFFECTED PROPERTIES ACCESSING A PARTICULAR STREET SECTION WITH A WRITTEN NOTICE FIVE (5) WORKING DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION. THE PROPERTY OWNERS SHALL BE NOTIFIED OF THE DATE AND TIME DURATION A STREET SECTION WILL BE AFFECTED BY THE CONSTRUCTION PROCESS. THE NOTIFICITION SHALL BE DELIVERED TO EACH RESIDENCE OR PROPERTY OWNER AND A NOTIFICATION SHALL BE PLACED BENEATH THE WINDSHIELD WIPER OF EACH CAR PARKED ALONG THE STREET SECTION. ALL SIDE STREETS SHALL BE OPENED TO TRAFFIC AT THE END OF EACH WORKING DAY. ALL DRIVEWAY ENTRANCES TO RESIDENCES, BUSINESSES AND APARTMENT BUILDINGS SHALL BE MADE ACCESSIBLE AT THE END OF CONSTRUCTION EACH WORK DAY. THE CONTRACTOR SHALL MAKE ACCOMMODATIONS TO ALLOW REGULARLY SCHEDULED SOLID WASTE DISPOSAL PICK UP ALONG THE AFFECTED STREET SECTIONS.

NINTH STREET SHALL BE CLOSED TO TRAFFIC DURING THE CONSTRUCTION PERIOD EXCEPT ACCESS TO RESIDENCES ALONG THE LENGTH OF NINTH STREET UNDER IMPROVEMENT. THE MAJORITY OF RESIDENCES ON THE NORTH SIDE OF NINTH STREET HAVE ACCESS FROM EXISTING DRIVEWAY ALONG THE NORTH SIDE OF NINTH STREET OR FROM OLIVE AVENUE. THE CONTRACTOR SHALL ADVERTISE EACH STREET CLOSURE IN LOCAL NEWSPAPERS FOURTEEN (14) DAYS PRIOR TO CLOSING OF THE STREET. TRAFFIC CONTROL SIGNS INDICATING THE STREET NAME AND DATE OF STREET CLOSURE AT EACH END OF THE AFFECTED CLOSURE AREA SHALL BE PLACED AT THE LOCATIONS ILLUSTRATED IN THE TRAFFIC CONTROL AND DETOUR PLAN SEVEN (7) DAYS PRIOR TO THE STREET CLOSURE.

ALL TRAFFIC CONTROLS SHALL BE CLEARLY POSTED WITH SIGNS PRIOR TO THE BEGINNING OF ANY WORK. THE APPROPRIATE SIGNS, INCLUDING: CONSTRUCTION ZONE, FRESH OIL, ROAD MACHINERY AHEAD, ONE LANE ROAD AHEAD, ROAD CONSTRUCTION AHEAD, LANE CLOSED, ROAD CLOSED, DETOUR, ROAD WORK, SPEED LIMIT 25, END 25 SPEED LIMIT SIGN, AND ALL OTHER REQUIRED SIGNS SHALL BE PLACED ACORDING TO THE APPROVED TRAFFIC CONTROL PLANS. EXTRA SIGNS, BARRICADES OR DIFFERENT TYPES OF BARRICADES CAN BE ORDERED TO BE PLACED AT THE PROJECT SITE AT ANY TIME AT THE ENGINEER'S DISCRETION. ADDITIONAL SIGNS AND BARRICADES SHALL BE PLACED AT NO EXTRA COST AT THE PROJECT SITE IF SO ORDERED BY
THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL THE EXPENSES RELATIVE TO TRAFFIC CONTROL.

8. SIGNS

STOP SIGNS AND ALL OTHER TRAFFIC SIGNS SHALL BE MOVED IF NECESSARY DURING THE CONSTRUCTION PROCESS AND BE REPOSITIONED TEMPORARILY IN A LOCATION DETERMINED BY THE ENGINEER STOP SIGNS SHALL NOT BE REMOVED FROM SERVICE, BUT RATHER RELOCATED TO A VISIBLE LOCATION. OTHER SIGNS LOCATED WITHIN THE CONSTRUCTION AREA SHALL BE STORED BY THE CONTRACTOR DURING THE CONSTRUCTION PHASE OF THE PROJECT. AT THE CONCLUSION OF THE PROJECT, ALL SIGNS SHALL BE POSITIONED IN A PERMANENT LOCATION AS DETERMINED BY THE ENGINEER.

9. BARRICADES

DURING THE INSTALLATION OF THE P.C.C. CONCRETE FACILITIES, SANITARY SEWER, STORM WATER AND WATER FACILITIES, THE CONTRACTOR SHALL MAINTAIN LIGHTED BARRICADES ALONG THE LENGTH OF THE CONCRETE FACILITIES AND PIPELINES TO PROHIBIT PEDESTRIAN TRAFFIC OR VEHICULAR TRAFFIC FROM UTILIZING THE NEW CONCRETE FACILITIES UNTIL THE CURING PROCESS IS COMPLETE OR ENTERING OPEN EXCAVATIONS. THE CONTRACTOR SHALL SUPPLY THE QUANTITY OF BARRICADES REQUIRED. IF THE LIGHTED BARRICADES BECOME DEFECTIVE OR NON–FUNCTIONAL, THE BARRICADES SHALL BE IMMEDIATELY REPLACED AS DIRECTED BY THE ENGINEER. BARRICADES SHALL BE PLACED ALONG THE EDGES OF THE NEW CONCRETE FACILITIES OR PIPELINE EXCAVATIONS AT FOUR FEET (4') ON CENTER TO DIVERT VEHICULAR AND PEDESTRIAN TRAFFIC AROUND THE CONSTRUCTION AREAS. WARNING TAPE SHALL BE EXTENDED BETWEEN THE BARRICADES. ADDITIONAL BARRICADES SHALL BE ADDED IF REQUIRED AS DIRECTED BY THE ENGINEER THE CONTRACTOR SHALL INCLUDE THE COST ASSOCIATED WITH BARRICADE SUPPLY AND PLACEMENT IN THE PROPOSAL.

10. RESTROOM FACILITIES

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.

11. ACCESS TO PRIVATE PROPERTY

THE CONTRACTOR SHALL PROVIDE FOR INGRESS AND EGRESS FOR PRIVATE PROPERTY ADJACENT TO THE WORK THROUGHOUT THE PERIOD OF CONSTRUCTION.

12. CLEAN–UP OF EXISTING STREETS

ANY DIRT, DUST OR MUD, EITHER TRACKED OFF–SITE BY EQUIPMENT OR BLOWN INTO ADJACENT CITY STREETS WILL BE CLEANED UP DAILY BY THE RESPONSIBLE CONTRACTOR OR SUBCONTRACTOR.

13. OPEN TRENCHES

NO OPEN TRENCHES WILL BE PERMITTED OVERNIGHT WITHOUT THE APPROVAL OF THE ENGINEER.

14. PRE–CONSTRUCTION CONFERENCE

A PRE–CONSTRUCTION CONFERENCE SHALL BE CONDUCTED WITH THE PUBLIC WORKS MANAGER, ENGINEER, CITY MANAGER, CONTRACTOR AND SUBCONTRACTORS AT LEAST 7 DAYS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, BUSINESS OWNERS AND GOVERNING/INVOLVED AGENCIES AFFECTED BY THE PROJECT SHALL BE INVITED TO THE PRE–CONSTRUCTION CONFERENCE.

PROJECT DESCRIPTION

THE SECTION OF NINTH STREET EXTENDING BETWEEN OLIVE AND MELON AVENUES IS A COLLECTOR ROADWAY SEGMENT EXTENDING FROM HIGHWAY 115 WEST OF HOLTVILLE TO BRIDENSTINE ROAD ON THE EAST SIDE OF HOLTVILLE. OTHER THAN FIFTH STREET/HIGHWAY 115, NINTH STREET IS THE ONLY ROADWAY IN THE CITY OF HOLTVILLE TO EXTEND ACROSS THE ENTIRE WIDTH OF HOLTVILLE FROM HIGHWAY 115, A PRINCIPAL ARTERIAL ROADWAY WEST OF HOLTVILLE, TO BEYOND THE HOLTVILLE EAST CITY LIMITS. NINTH STREET IS AN IMPORTANT TRAFFIC CIRCULATION ROADWAY.

THE CITY OF HOLTVILLE INTENDS TO IMPROVE THE NORTH ½ OF NINTH STREET EXTENDING BETWEEN OLIVE AND MELON AVENUES. THE PROJECT IS LOCATED WITHIN THE HOLTVILLE CITY LIMITS. THE IMPERIAL IRRIGATION DISTRICT OPEN CHANNEL ABOVE GRADE CONCRETE LINED NINTH STREET PEAR CANAL IS LOCATED ALONG THE NORTH SIDE OF NINTH STREET WITHIN THE PROPOSED STREET AREA TO BE IMPROVED. THE IMPERIAL IRRIGATION DISTRICT WATER DIVISION IS CURRENTLY COMPLETING THE DESIGN OF IMPROVEMENT PLANS TO UNDERGROUND THE NINTH STREET PEAR CANAL. THE NINTH STREET PEAR CANAL WILL BE PLACED WITHIN A LARGE DIAMETER BELOW GRADE PIPELINE LOCATED BENEATH THE PROPOSED NINTH STREET A.C. PAVEMENT SECTION. THE NINTH STREET IMPROVEMENT PLANS BETWEEN OLIVE AND MELON AVENUES WILL BE COORDINATED AND REVIEWED BY THE IMPERIAL IRRIGATION DISTRICT DURING THE PROJECT DESIGN PERIOD. AN IID ENCROACHMENT PERMIT APPLICATION AND APPROVAL WILL BE OBTAINED DURING THE PROJECT DESIGN.

THE PREVIOUSLY CONSTRUCTED STREET SECTIONS ALONG NINTH STREET BETWEEN HOLT AVENUE AND OLIVE AVENUE CONSIST OF A 45 FOOT WIDE STREET SECTION AS MEASURED FROM FACE OF CURB TO FACE OF CURB. IT IS PROPOSED THE 45 FOOT WIDE STREET SECTION BE PERPETUATED WESTERLY ALONG THE PROPOSED NINTH STREET ½ WIDTH STREET SECTION IMPROVEMENT BETWEEN OLIVE AND MELON AVENUES.

IT IS PROPOSED THAT THE ABOVE GRADE EARTH LINED OPEN CHANNEL IMPERIAL IRRIGATION DISTRICT NINTH STREET PEAR CANAL SECTION EXTENDING ALONG THE NORTH SIDE OF NINTH STREET BETWEEN OLIVE AND MELON AVENUES BE UNDERGROUNDED BY PLACING THE CANAL IN A BELOW GRADE PIPELINE. IT IS PROPOSED THE NORTH ½ OF NINTH STREET CONSISTING OF AN ADDITIONAL 26 FOOT WIDE ROAD SECTION BE CONSTRUCTED FROM OLIVE AVENUE TO MELON AVENUE AFTER THE IMPERIAL IRRIGATION DISTRICT NINTH STREET PEAR CANAL IS UNDERGROUNDED. THE FULLY IMPROVED SECTION OF NINTH STREET BETWEEN OLIVE AND MELON AVENUES IS TO MEASURE 45 FEET FROM FACE OF CURB TO FACE OF CURB. THE NEW ROADWAY SECTION IS TO CONSIST OF 3 INCHES OF A.C. PAVEMENT OVER 9 INCHES OF CLASS 2 BASE, 6 INCH PCC BARRIER CURB AND A 4.5 FOOT WIDE PCC SIDEWALK IN CONFORMANCE WITH THE CURRENT CITY OF HOLTVILLE STANDARD SPECIFICATIONS AND DETAILS (CITY STANDARDS). TWO (2) PCC RESIDENTIAL DRIVEWAYS ARE TO BE CONSTRUCTED FROM THE NEW 6 INCH PCC CURB AND GUTTER TO THE NINTH STREET NORTH RIGHT OF WAY LINE PER CITY STANDARDS. A NEW PCC HANDICAP CURB RETURN, SPANDREL, AND CROSS–GUTTER SECTION IS TO BE CONSTRUCTED AT THE NORTHEAST CORNER OF NINTH STREET AND MELON AVENUE. ADDITIONAL ANCILLARY STREET IMPROVEMENTS INCLUDE CONSTRUCTING NEW WATER SERVICE PIPELINES AND SANITARY SEWER LATERALS ALONG THE NORTH SIDE OF NINTH STREET, INSTALLING A TYPE 2 SLURRY SEALCOAT OVER THE SOUTH ½ WIDTH OF NINTH STREET TO COVER THE WATER AND SEWER TRENCH PAVEMENT CUTS, MODIFYING THE EXISTING 12 INCH DIAMETER WATER PIPELINE EXTENDING ACROSS NINTH STREET AT MYRTLE AVENUE, REMOVING AND REINSTALLING THE EXISTING SURVEY MONUMENT TRACT CORNER EAST OF THE MELON AVENUE AND NINTH STREET INTERSECTION IN CONFORMANCE WITH STATE OF CALIFORNIA AND COUNTY OF IMPERIAL REQUIREMENTS, ADJUSTING EXISTING WATER VALVE RISERS AND COVERS AND SANITARY SEWER MANHOLE FRAMES AND COVERS TO FINISH PAVEMENT SURFACE, INSTALLATION OF SIGNS, PAVEMENT STRIPING INCLUDING INSTALLING A NEW STOP BAR AND STOP LEGEND AT THE INTERSECTION OF NINTH STREET WITH OILVE MELON AVENUES AND SIMILAR ITEMS.

THE PROJECT SCOPE OF WORK ALSO INCLUDES STRIPING AND SIGNAGE FOR THE BIKE LANE TO BE ESTABLISHED WITHIN THE PAVED ROADWAY SECTION.

LEGEND

NO.	ITEM	SYMBOL	NO.	ITEM	SYMBOL
1.	CONSTRUCTION LIMITS		15.	LIGHTING	
2.	EXISTING ROW	---ROW---	16.	FIRE HYDRANT	
3.	EXISTING A.C. PAVEMENT		17.	CHAIN LINK FENCE	
4.	NEW A.C. PAVEMENT		18.	EXISTING POWER POLE	
5.	NEW A.C. PAVEMENT OVERLAY		19.	WATER VALVE	
6.	EXISTING P.C.C. SIDEWALK AND CURB AND GUTTER		20.	MANHOLE	
7.	NEW P.C.C. SIDEWALK AND CURB AND GUTTER		21.	WATER METER	
8.	A.C. PAVEMENT GRIND AREA		22.	SIGN WITH POST	
9.	EXISTING 8" WATER LINE	---(8"W)---	23.	MONUMENT	
10.	EXISTING 12" SEWER LINE	---(12"SS)---	24.	GAS METER	
11.	EXISTING OVERHEAD ELECTRICAL	---(OHE)---	25.	MAIL BOX	
12.	EXISTING GAS PIPELINE	---(GAS)---	26.	TREE	
13.	EXISTING CABLE TV LINE	---(CATV)---	27.	BACKFLOW PREVENTOR	
14.	ROAD CENTERLINE				

SEAL

REGISTERED PROFESSIONAL ENGINEER JAMES G. HOLT No. 31773 Exp. 12-31-26 CIVIL STATE OF CALIFORNIA

APPROVED BY THE CITY OF HOLTVILLE CITY ENGINEER

JAMES G. HOLT, P.E. — 31,773 R.C.E. No.

3/13/2025 DATE — 12–31–26 EXP. DATE

ABBREVIATIONS

%	PERCENT	LIP.	LIP OF CURB IN DRIVEWAYS
AGG.	AGGREGATE	LP	LOW POINT
APP.	APPROXIMATE	M.H.	MANHOLE
A.C.P.	ASBESTOS CEMENT PIPE	MAX.	MAXIMUM
A.C.	ASPHALT CONCRETE	M.J.	MECHANICAL JOINT
AWWA	AMERICAN WATER WORKS ASSOCIATION	MIN.	MINIMUM
AZ	AZIMUTH	MISC.	MISCELLANEOUS
B.C.	BEGINNING OF CURVE RADIUS	N.T.S.	NOT TO SCALE
BLDG.	BUILDING	O.C.	ON CENTER
B.V.	BUTTERFLY VALVE	O.D.	OUTSIDE DIAMETER
C.H.	CHORD	OHE	OVERHEAD ELECTRICAL LINE
C.I.	CAST IRON	P.C.C.	PORTLAND CEMENT CONCRETE
CIRC	CIRCUMFERENTIAL	P.E.	PLAIN END
℄	CENTERLINE	P.I.G.	POINT OF INTERSECTING GRADES
CLR	CLEAR	P.I.T.	POINT OF INTERSECTING TANGENTS
C.M.C.	CEMENT MORTAR COATED	P.P.	POWER POLE
C.M.L.	CEMENT MORTAR LINED	P.V.C.	POLY VINYL CHLORIDE
DIA.	DIAMETER	P/S	PRESTRESSING
D.I.	DUCTILE IRON	R.	RADIUS
DWG	DRAWING	R.C.	REINFORCED CONCRETE
D/W	DRIVEWAY	ROW	RIGHT–OF–WAY
Δ	DELTA	R/C	REINFORCED CONCRETE
E.C.	END OF CURVE RADIUS	SCH	SCHEDULE
EF	EACH FACE	SQ	SQUARE
EL.	ELEVATION	S.	SLOPE
E.P.	EDGE OF PAVEMENT	S.S.	STAINLESS STEEL
EW	EACH WAY	STA	STATION
EXT'G	EXISTING	S/W	SIDEWALK
F.F.	FINISH FLOOR ELEVATION	T.	TANGENT
FG	FINISHED GRADE	TBD	TO BE DETERMINED
F.	FLOWLINE	T.C.	TOP OF CURB OR TOP OF CONCRETE
FL.	FLANGED	TMH	TOP OF MANHOLE
F.S.	FINISH SURFACE	TOF	TOP OF FLOOR
GALV	GALVANIZED	TOW	TOP OF WALL
H.B.	HOSE BIB	T.P.	TOP OF PAVEMENT
HDPE	HIGH DENSITY POLYETHYLENE	TYP.	TYPICAL
HP	HIGH POINT	UNO	UNLESS NOTED OTHERWISE
HPUD	HEBER PUBLIC UTILITY DISTRICT	VCP	VITRIFIED CLAY PIPE
HW	HIGH WATER	VERT	VERTICAL
I.D.	INSIDE DIAMETER		
I.I.D.	IMPERIAL IRRIGATION DISTRICT		
IE.	INVERT ELEVATION		
INV.	INVERT		
L.	LENGTH		

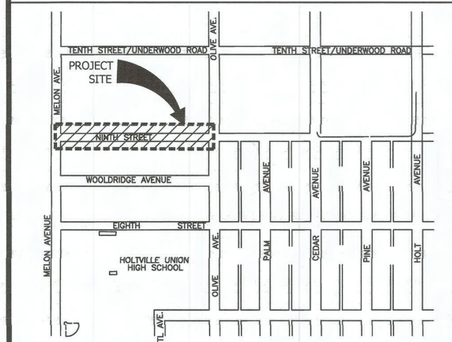
CITY COUNCIL

MURRAY ANDERSON	MAYOR
JOHN MUNGER	MAYOR PRO-TEM
VIRGINIA (GINGER) WARD	COUNCIL MEMBER
MIKE GOODSELL	COUNCIL MEMBER
MIKE PACHECO	COUNCIL MEMBER

CITY STAFF

NICK WELLS	CITY MANAGER/PROJECT ADMINISTRATOR
YVETTE RIOS	CITY CLERK
ALEX CHAVEZ	PUBLIC WORKS SUPERVISOR
FRANK CORNEJO	WATERWORKS SUPERVISOR
ALEX SILVA	FIRE CHIEF
JOSEPH CONKEY	POLICE CHIEF
GEORGE MORRIS	CITY TREASURER
STEVE WALKER	CITY ATTORNEY
JACK HOLT	CITY ENGINEER

VICINITY MAP



SHEET INDEX

DECLARATION OF RESPONSIBLE CHARGE

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

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

CARLOS CORRALES
LC ENGINEERING CONSULTANTS INC
1065 STATE STREET
EL CENTRO, CALIFORNIA 92243
(760)353-8110

BY: _____ DATE: 02–28–25
CARLOS CORRALES
R.C.E. No. 55,432
EXPIRATION DATE: 12/31/26

No.	DESCRIPTION	BY	DATE

SEAL

APPROVED FOR THE CITY OF HOLTVILLE

ALEX CHAVEZ, PUBLIC WORKS SUPERVISOR — 3/13/25 DATE

SEAL

REGISTERED PROFESSIONAL ENGINEER CARLOS CORRALES No. 55432 EXP. 12–31–26 CIVIL STATE OF CALIFORNIA

PREPARED UNDER THE DIRECT SUPERVISION OF:

CARLOS CORRALES — 55,432 R.C.E. No.

02–28–25 DATE — 12–31–26 EXP. DATE

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LC ENGINEERING CONSULTANTS INC.
CIVIL ENGINEERING • LAND SURVEYING • CONSTRUCTION MANAGEMENT SERVICES
1065 State Street
El Centro CA 92243
www.lcec-inc.com info@lcec-inc.com
tel 760.353.8110 fax 760.352.6418

BENCHMARK: SEE SHEET NO. 2

TITLE SHEET
PEDESTRAIN AND BICYCLE IMPROVEMENTS ON 9TH STREET
BETWEEN MELON ROAD AND OLIVE AVENUE
PROJECT NUMBER STPL–5174(034)

CITY OF HOLTVILLE, CA — DATE 02/28/25 — BY: D.C.

CLIENT: CITY OF HOLTVILLE — FILE NAME C24006–00TSH — JOB NUMBER C24006–00

SHEET 1 OF: 13

L:\Projects\2024\C24006–00 (Holtville–9th St Imp)\Engineering\CAD\C24006–00–00 TSH.dwg 02/28/2025 11:48

DEMOLITION NOTES:

1. EXISTING HEADWALL AND EARTHEN SECTION OF PEAR CANAL TO BE REMOVED AND UNDERGROUND BY IID.
2. GRIND 2 FOOT WIDE BY 0.12 FOOT DEEP AREA AND DISPOSE OF MATERIAL AC PAVEMENT
3. REMOVE AND DISPOSE OF EXISTING A.C. PAVEMENT AND UNDERLYING MATERIAL TO SUBGRADE DESIGN GRADE.
4. REMOVE AND DISPOSE OF EXISTING A.C. DIKE
5. EXISTING WATER METER TO BE RELOCATED
6. EXISTING IID POWER POLE TO BE RELOCATED BY IID, COORDINATE WITH IID POWER DEPT.
7. RELOCATE EXISTING STREET SIGN.
8. RELOCATE EXISTING MAILBOX
9. REMOVE EXISTING BARRICADE
10. EXISTING MONUMENT TO BE RE-ESTABLISHED AFTER CONSTRUCTION
11. NATIVE MATERIAL TO BE REMOVED TO SUBGRADE DESIGN GRADE, AFTER PEAR CANAL UNDERGROUNDING.
12. EXISTING MANHOLE FRAME/COVER TO BE LOWERED 0.30' BEFORE PAVING, AFTER PAVING ADJUST MANHOLE FRAME/COVER TO 3/8" BELOW GRADE AND INSTALL A PCC CONCRETE RING ONE FOOT WIDE AND ONE FOOT DEEP AROUND THE MANHOLE FRAME/COVER PER CITY OF HOLVILLE DET. No. SS-109
13. SAWCUT EXISTING A.C. PAVEMENT FOR THE FULL DEPTH OF THE A.C. PAVEMENT
14. EXISTING FENCE TO BE REMOVED & REINSTALLED BY IID DURING THE UNDERGROUNDING OF PEAR CANAL.

BENCHMARK	DESCRIPTION	ELEVATION	ELEVATION (IID DATUM)
TBM 1	CHISELED "X" AT TOP OF EC LOCATED AT THE SOUTHEAST CORNER OF PALM AVE. AND NINTH ST.	979.75	
TBM 2	TOP OF FIRE HYDRANT LOCATED AT THE SOUTHWEST INTERSECTION OF NINTH ST. AND OLIVE AVE.	981.27	
TBM 3	TOP OF FIRE HYDRANT ALONG NINTH ST. BEETWEN MELON ROAD AND OLIVE AVE.	978.27	
TBM 4	TOP OF FIRE HYDRANT LOCATED ±60' EAST OF THE SOUTHEAST INTERSECTION OF NINTH ST. AND MELON ROAD.	978.94	
TBM 5	"+" CHIPPED ON THE SOUTH DOWNSTREAM WINGWALL OF OUTL HDWLL SIPHON UNDER OLIVE AVE. IN PEAR 9TH STREET DITCH PIPELINE.	980.46	980.61 *(IID FB 7861.32)*
TBM 6	"+" CHIPPED ON SW COR OF INLET HEADWALL OF SIPHON IN 9TH STREET DITCH UNDER MELON AVE.	976.95	976.95 *(IID FB 7726.61)*

EQUATION:

(TBM 5) ADD +0.150 FEET TO ELEVATIONS SHOWN ON THE FOLLOWING IMPROVEMENT PLANS:

(TBM 6) ADD +0.000 FEET TO ELEVATIONS SHOWN ON THE FOLLOWING IMPROVEMENT PLANS:

1) PEDESTRAIN AND BICYCLE IMPROVEMENTS ON 9TH STREET BETWEEN MELON ROAD AND OLIVE AVENUE PROJECT NUMBER STPL-5174(034)

EXISTING NOTES:

1. EXISTING WATER SERVICE TO REMAIN
2. EXISTING SEWER SERVICE TO REMAIN
3. EXISTING TREE TO REMAIN CONTRACTOR TO TRIM THE BRANCHES OVERCHANGING ON TOP OF THE PEAR CANAL BEFORE CANAL UNDERGROUND ACTIVITIES.
4. EXISTING POWER POLE TO REMAIN
5. EXISTING A.C. PAVEMENT TO REMAIN
6. EXISTING CROSSGUTTER TO REMAIN
7. EXISTING SIDEWALK TO REMAIN
8. EXISTING DRIVEWAY TO REMAIN

ENGINEERING NOTES:

1. NOTHING CONTAINED IN THE CONTRACT DOCUMENTS SHALL CREATE, NOR SHALL BE CONSTRUED TO CREATE, ANY CONTRACTUAL RELATIONSHIP BETWEEN THE ENGINEER AND THE CONTRACTOR OR ANY SUBCONTRACTOR.

2. ANY VARIATION FROM THESE PLANS SHALL BE PROPOSED ON CONSTRUCTION FIELD PRINTS AND TRANSMITTED TO THE ENGINEER.

3. THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL EXISTING UTILITIES ON THE SITE, ANY DAMAGE TO EXISTING UTILITIES, WHETHER SHOWN OR NOT SHOWN ON THE DRAWINGS, SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

4. EXISTING SURFACE FEATURES AND FENCING SHALL BE REPLACED IN KIND IF DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION.

5. ANY INSPECTION BY THE CITY OR THE ENGINEER SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN COMPLIANCE WITH APPLICABLE CODES AND AGENCY REQUIREMENTS.

6. CONTRACTOR TO LOCATE ALL EXISTING PROPERTY MONUMENTS PRIOR TO CONSTRUCTION. ANY MONUMENTS DISTURBED DURING THE CONSTRUCTION OF THIS PROJECT SHALL BE REPLACED BY A REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.

7. TRAFFIC CONTROL SHALL BE MAINTAINED IN ACCORDANCE WITH COUNTY OF IMPERIAL AND CITY OF HOLTVILLE REQUIREMENTS.

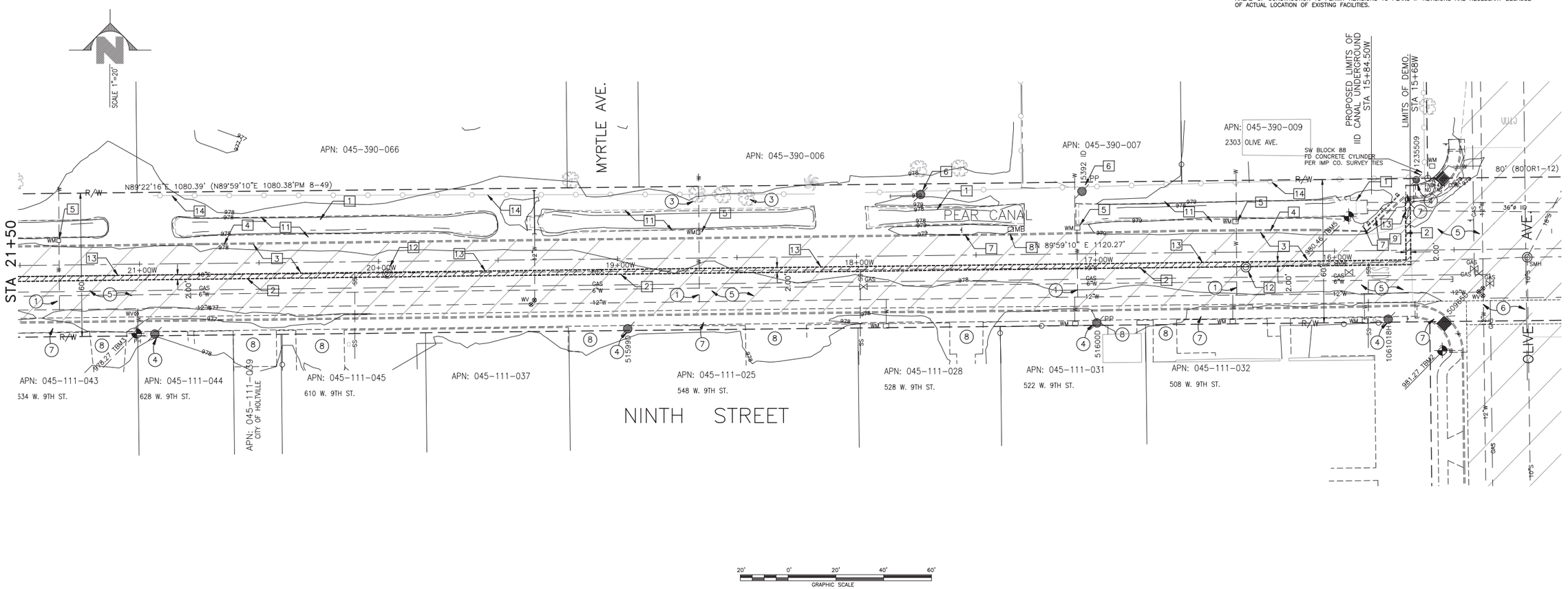
8. PRIOR TO FINAL APPROVAL AND ACCEPTANCE OF THE WORK THE CONTRACTOR WILL BE REQUIRED TO CLEAN AND REPAIR ADJACENT THE (PUBLIC) ROADWAYS USED OR DAMAGED DURING THE COURSE OF CONSTRUCTION.

9. CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL STORM DRAIN PIPES AND DRAINAGE FACILITIES FROM DAMAGE DURING ALL STAGES OF CONSTRUCTION. THE DEPTH OF COVER ON THE STORM DRAINAGE PIPE IS DESIGNED FOR FINAL GRADE, THEREFORE EXTRA CARE SUCH AS BERMING OVER PIPES, FLAGGING OR SIGNAGE SHOULD BE USED DURING CONSTRUCTION TO MAINTAIN COVER TO PROTECT THE PIPES.

10. THE ENGINEER MAKES NO REPRESENTATION OR GUARANTEE REGARDING EARTHWORK QUANTITIES OR THAT THE EARTHWORK FOR THIS PROJECT WILL BALANCE DUE TO THE VARYING FIELD CONDITIONS, CHANGING SOIL TYPES, ALLOWABLE CONSTRUCTION TOLERANCES AND CONSTRUCTION METHODS THAT ARE BEYOND THE CONTROL OF THE ENGINEER, PRIOR TO BIDDING THE WORK THE CONTRACTOR SHALL THOROUGHLY SATISFY HIMSELF AS TO THE ACTUAL CONDITIONS AND EARTHWORK QUANTITIES, IF ANY. NO CLAIM SHALL BE MADE AGAINST THE OWNER/DEVELOPER OR ENGINEER FOR ANY EXCESS OR DEFICIENCY THEREIN, ACTUAL OR RELATIVE.

11. THE EXISTENCE OR 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.

12. LOCATION AND ELEVATION OF IMPROVEMENTS TO BE MET BY WORK TO BE DONE SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION OF NEW WORK. CONTRACTOR WILL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES.



No.	DESCRIPTION	BY	DATE

SEAL

REGISTERED PROFESSIONAL ENGINEER CARLOS CORRALES No. 55432 EXP. 12-31-26 CIVIL STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:

CARLOS CORRALES — 55,432 R.C.E. No.

02-28-25 DATE — 12-31-26 EXP. DATE

BENCH MARK

TBM 06

"+" CHIPPED ON SW COR OF INLET HEADWALL OF SIPHON IN 9TH STREET DITCH UNDER MELON AVE.

ELEV= 976.95

LC ENGINEERING CONSULTANTS INC.
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info@lcec-inc.com fax 760.352.5408

BENCHMARK: SEE SHEET NO. 2

EXISTING/DEMOLITION SITE PLAN

PEDESTRAIN AND BICYCLE IMPROVEMENTS ON 9TH STREET
BETWEEN MELON ROAD AND OLIVE AVENUE
PROJECT NUMBER STPL-5174(034)

HOLTVILLE, CALIFORNIA

CLIENT: CITY OF HOLTVILLE

DATE 02/28/25 BY STAFF

FILE NAME C24006-00MST JOB NUMBER C24006-00

SHEET 2 OF 13

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DEMOLITION NOTES:

1. EXISTING HEADWALL AND EARTHEN SECTION OF PEAR CANAL TO BE REMOVED AND UNDERGROUND BY IID.
2. GRIND 2 FOOT WIDE BY 0.12 FOOT DEEP AREA AND DISPOSE OF MATERIAL AC PAVEMENT
3. REMOVE AND DISPOSE OF EXISTING A.C. PAVEMENT AND UNDERLYING MATERIAL TO SUBGRADE DESIGN GRADE.
4. REMOVE AND DISPOSE OF EXISTING A.C. DIKE
5. EXISTING WATER METER TO BE RELOCATED
6. EXISTING IID POWER POLE TO BE RELOCATED BY IID, COORDINATE WITH IID POWER DEPT.
7. RELOCATE EXISTING STREET SIGN.
8. RELOCATE EXISTING MAILBOX
9. REMOVE EXISTING BARRICADE
10. EXISTING MONUMENT TO BE RE-ESTABLISHED AFTER CONSTRUCTION
11. NATIVE MATERIAL TO BE REMOVED TO SUBGRADE DESIGN GRADE, AFTER PEAR CANAL UNDERGROUNDING.
12. EXISTING MANHOLE FRAME/COVER TO BE LOWERED 0.30' BEFORE PAVING, AFTER PAVING ADJUST MANHOLE FRAME/COVER TO 3/8" BELOW GRADE AND INSTALL A PCC CONCRETE RING ONE FOOT WIDE AND ONE FOOT DEEP AROUND THE MANHOLE FRAME/COVER PER CITY OF HOLVILLE DET. No. SS-109
13. SAWCUT EXISTING A.C. PAVEMENT FOR THE FULL DEPTH OF THE A.C. PAVEMENT

BENCHMARK	DESCRIPTION	ELEVATION	ELEVATION (IID DATUM)
TBM 1	CHISELED "X" AT TOP OF EC LOCATED AT THE SOUTHEAST CORNER OF PALM AVE. AND NINTH ST.	979.75	
TBM 2	TOP OF FIRE HYDRANT LOCATED AT THE SOUTHWEST INTERSECTION OF NINTH ST. AND OLIVE AVE.	981.27	
TBM 3	TOP OF FIRE HYDRANT ALONG NINTH ST. BEETWEN MELON ROAD AND OLIVE AVE.	978.27	
TBM 4	TOP OF FIRE HYDRANT LOCATED ±60' EAST OF THE SOUTHEAST INTERSECTION OF NINTH ST. AND MELON ROAD.	978.94	
TBM 5	"+" CHIPPED ON THE SOUTH DOWNSTREAM WINGWALL OF OUTL HDWLL SIPHON UNDER OLIVE AVE. IN PEAR 9TH STREET DITCH PIPELINE.	980.46	980.61 *(IID FB 7861.32)*
TBM 6	"+" CHIPPED ON SW COR OF INLET HEADWALL OF SIPHON IN 9TH STREET DITCH UNDER MELON AVE.	976.95	976.95 *(IID FB 7726.61)*

EQUATION:

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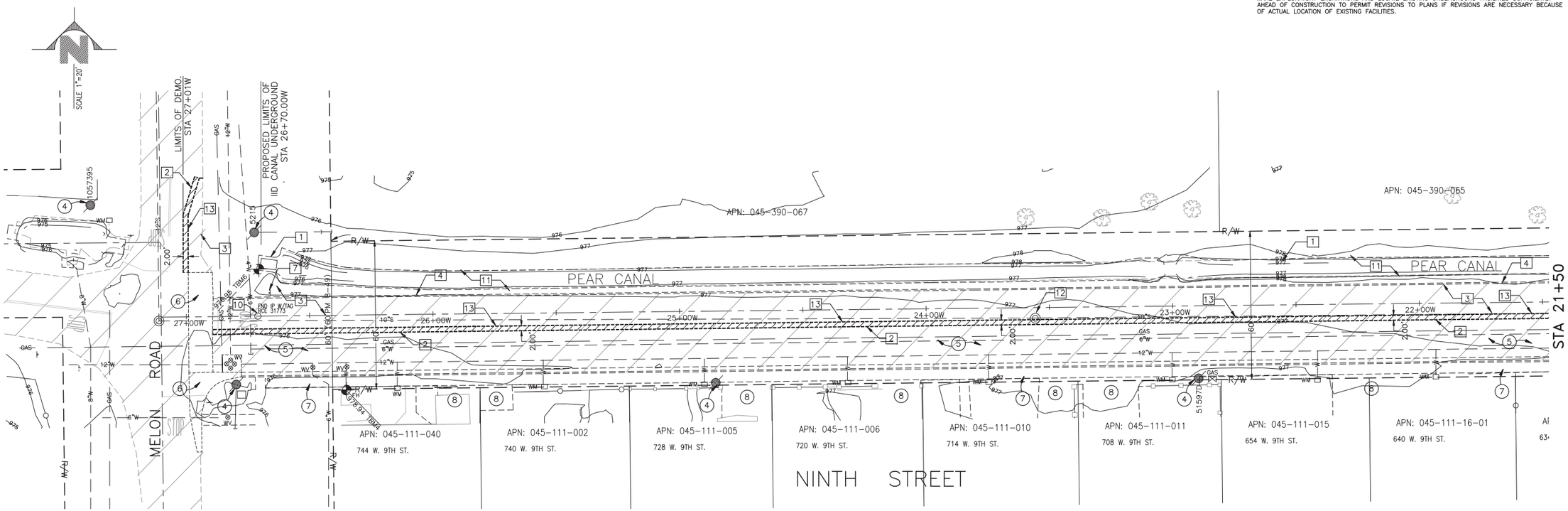

20' 0' 20' 40' 60'
GRAPHIC SCALE

No.	DESCRIPTION	BY	DATE

SEAL

SEAL — REGISTERED PROFESSIONAL ENGINEER — CARLOS CORRALES — No. 55432 EXP. 12-31-26 CIVIL — STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:

CARLOS CORRALES — 55,432 R.C.E. No.

02-28-25 DATE — 12-31-26 EXP. DATE

BENCH MARK

TBM 06
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ELEV= 976.95

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BENCHMARK: SEE SHEET NO. 2

EXISTING/DEMOLITION SITE PLAN
PEDESTRAIN AND BICYCLE IMPROVEMENTS ON 9TH STREET
BETWEEN MELON ROAD AND OLIVE AVENUE PROJECT NUMBER STPL-5174(034)

HOLTVILLE, CALIFORNIA

DATE 02/28/25 — BY STAFF

CLIENT CITY OF HOLTVILLE — FILE NAME C24006-00MST — JOB NUMBER C24006-00

SHEET 3 OF 13

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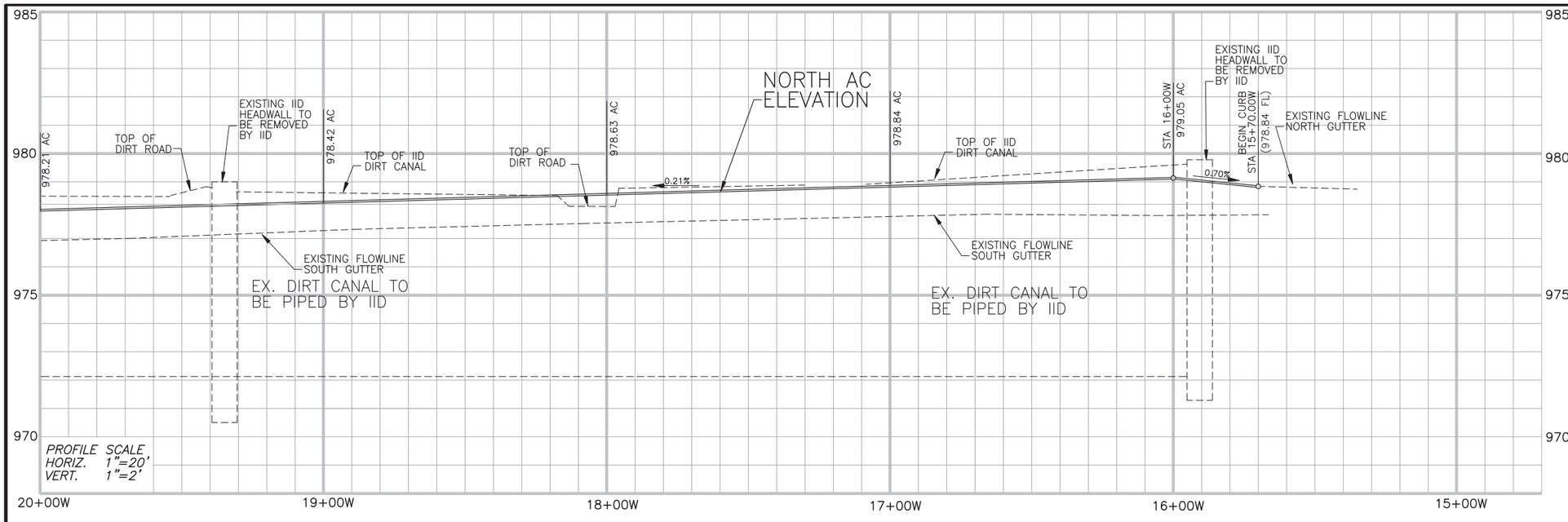

CONSTRUCTION NOTES:

1. NEW 6" PCC BARRIER CURB PER CITY OF HOLTVILLE DET. No. S-120
2. NEW 6" PCC CURB & GUTTER PER CITY OF HOLTVILLE DET. No. S-117
3. NEW 4" PCC SIDEWALK OVER 6" OF SAND PER CITY OF HOLTVILLE DET. No. S-122 GRADE TO DAYLIGHT FROM BACK OF SIDEWALK TO A DISTANCE OF 3 FEET MIN.
4. NEW 10" PCC OVER 10" OF CLASS 2 BASE BY 10 FOOT WIDE CROSS GUTTER PER HOLTVILLE DET. No. S-115
5. NEW 10" PCC OVER 10" CLASS 2 BASE SPANDRELL PER CITY OF HOLTVILLE DET. No. S-114
6. NEW 4" PCC OVER 6" CLASS 2 BASE HANDICAP RAMP W/TRUNCATED DOMES PER CITY OF HOLTVILLE DET. No. S-123 AND S-125
7. NEW 3" OF AC PAVEMENT OVER 9" OF CLASS 2 BASE SEE DETAIL
8. NEW TYPE 2 SLURRY SEALCOAT OVER EXISTING ASPHALT
9. EXISTING MANHOLE FRAME/COVER TO BE LOWERED 0.30' BEFORE PAVING, AFTER PAVING ADJUST MANHOLE FRAME/COVER TO 3/8" BELOW GRADE AND INSTALL A PCC CONCRETE RING ONE FOOT WIDE AND ONE FOOT DEEP AROUND THE MANHOLE FRAME/COVER PER CITY OF HOLVILLE DET. No. SS-109
10. EXISTING SURVEY MONUMENT TO BE RE-ESTABLISHED AFTER CONSTRUCTION IN A NEW MONUMENT WELL PAR CITY OF HOLTVILLE STANDARD DETAIL S-135
11. INSTALL 0.12' OF A.C. PAVEMENT OVERLAY
12. EXTEND THE 12" INCH WATERLINE NORTH OF PROPOSED CONCRETE SIDEWALK
13. NEW 20' WIDE PCCC RESIDENTIAL DRIVEWAY ENTRANCE SEE DETAIL ON SHEET 11.

BENCHMARK TABLE

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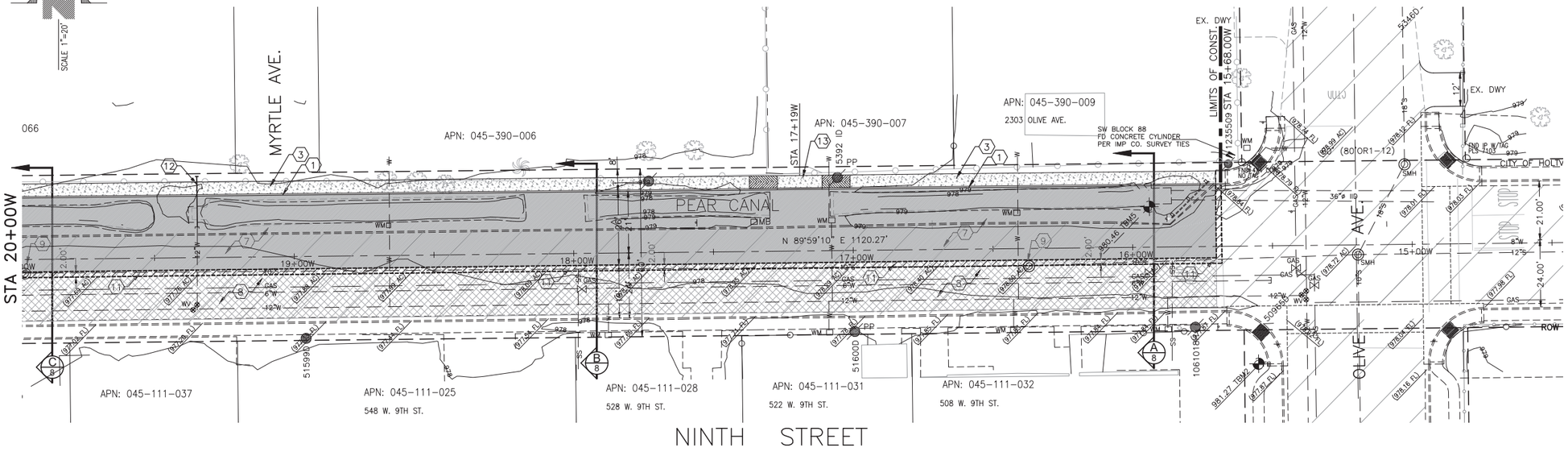
CURVE TABLE

CURVE	DELTA	RADIUS	LENGTH	REFERENCE
C1	90°00'57"	20.00'	31.42'	FACE OF CURB



20' 0' 20' 40' 60'
GRAPHIC SCALE

NINTH STREET IMPROVEMENT PLAN AND PROFILE
SHEET – STA 15+71.50 W TO STA 20+00 W

No.	DESCRIPTION	BY	DATE

SEAL

SEAL
REGISTERED PROFESSIONAL ENGINEER
CARLOS CORRALES
No. 55432
EXP. 12-31-26
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:

CARLOS CORRALES — 55,432 R.C.E. No.
02-28-25 DATE — 12-31-26 EXP. DATE

BENCH MARK

TBM 06
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BENCHMARK: SEE SHEET NO. 2

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PEDESTRAIN AND BICYCLE IMPROVEMENTS ON 9TH STREET
BETWEEN MELON ROAD AND OLIVE AVENUE
PROJECT NUMBER STPL-5174(034)

HOLTVILLE, CALIFORNIA

SHEET 4 OF 13
DATE 02/28/25
BY STAFF
CLIENT CITY OF HOLTVILLE
FILE NAME C24006-00MST
JOB NUMBER C24006-00

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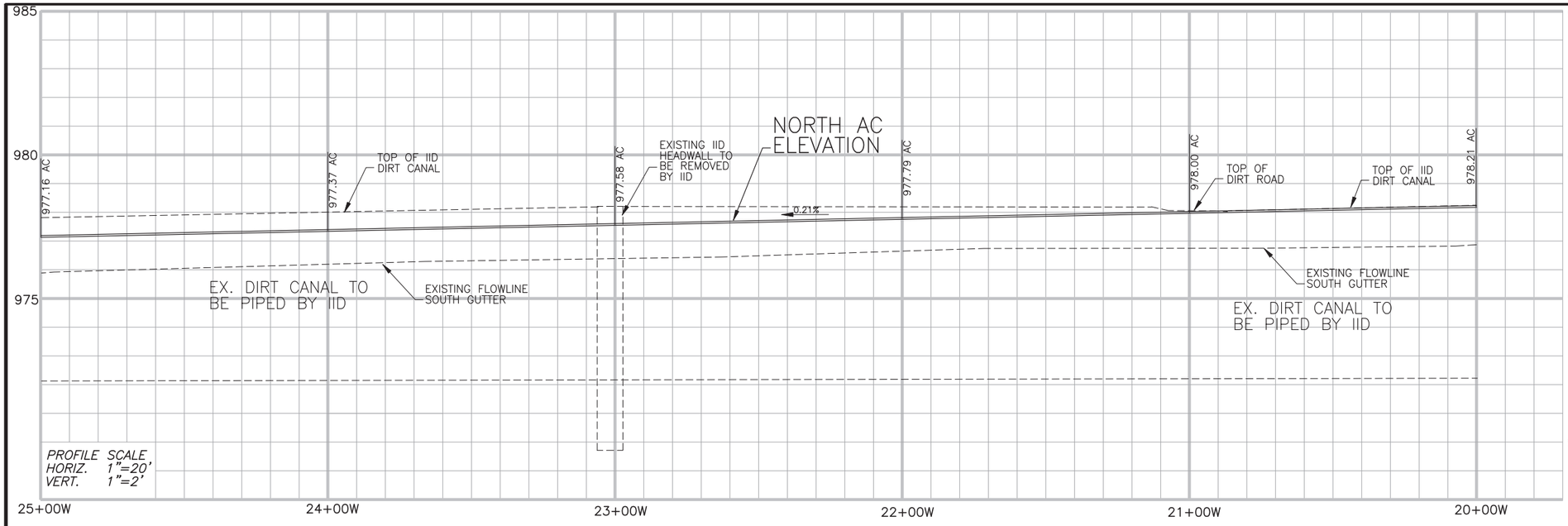

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7. NEW 3" OF AC PAVEMENT OVER 9" OF CLASS 2 BASE SEE DETAIL
8. NEW TYPE 2 SLURRY SEALCOAT OVER EXISTING ASPHALT
9. EXISTING MANHOLE FRAME/COVER TO BE LOWERED 0.30' BEFORE PAVING, AFTER PAVING ADJUST MANHOLE FRAME/COVER TO 3/8" BELOW GRADE AND INSTALL A PCC CONCRETE RING ONE FOOT WIDE AND ONE FOOT DEEP AROUND THE MANHOLE FRAME/COVER PER CITY OF HOLVILLE DET. No. SS-109
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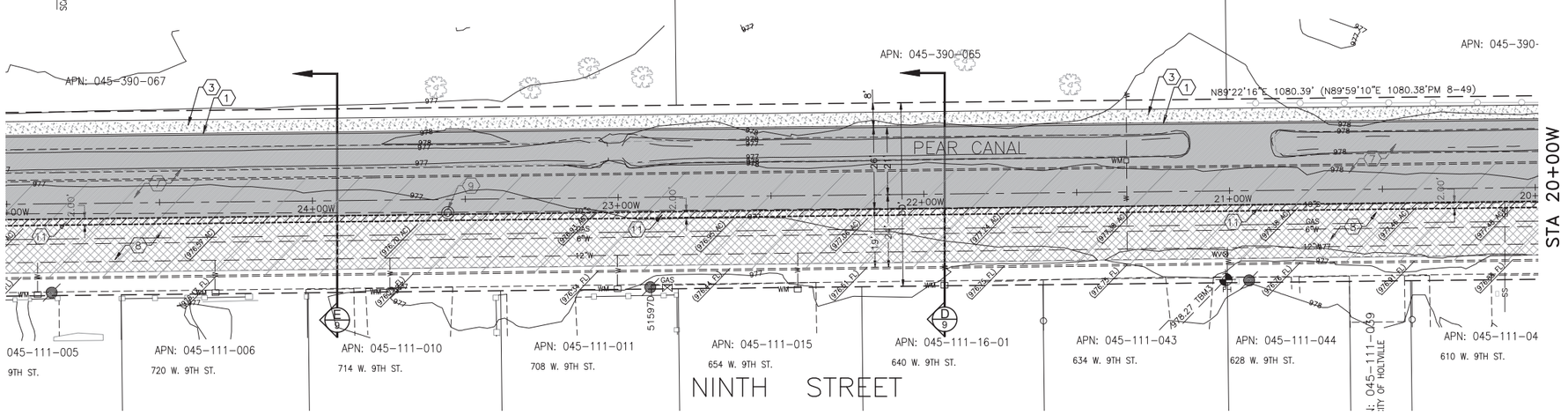

20' 0' 20' 40' 60'
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SHEET - STA 20+00 W TO STA 25+00 W

No.	DESCRIPTION	BY	DATE

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BENCHMARK: SEE SHEET NO. 2

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BETWEEN MELON ROAD AND OLIVE AVENUE
PROJECT NUMBER STPL-5174(034)

HOLTVILLE, CALIFORNIA

CLIENT: *CITY OF HOLTVILLE*

DATE	BY
02/28/25	STAFF

FILE NAME	JOB NUMBER
C24006-00MST	C24006-00

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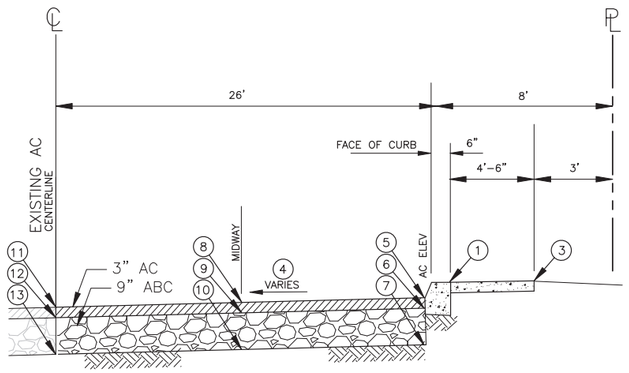

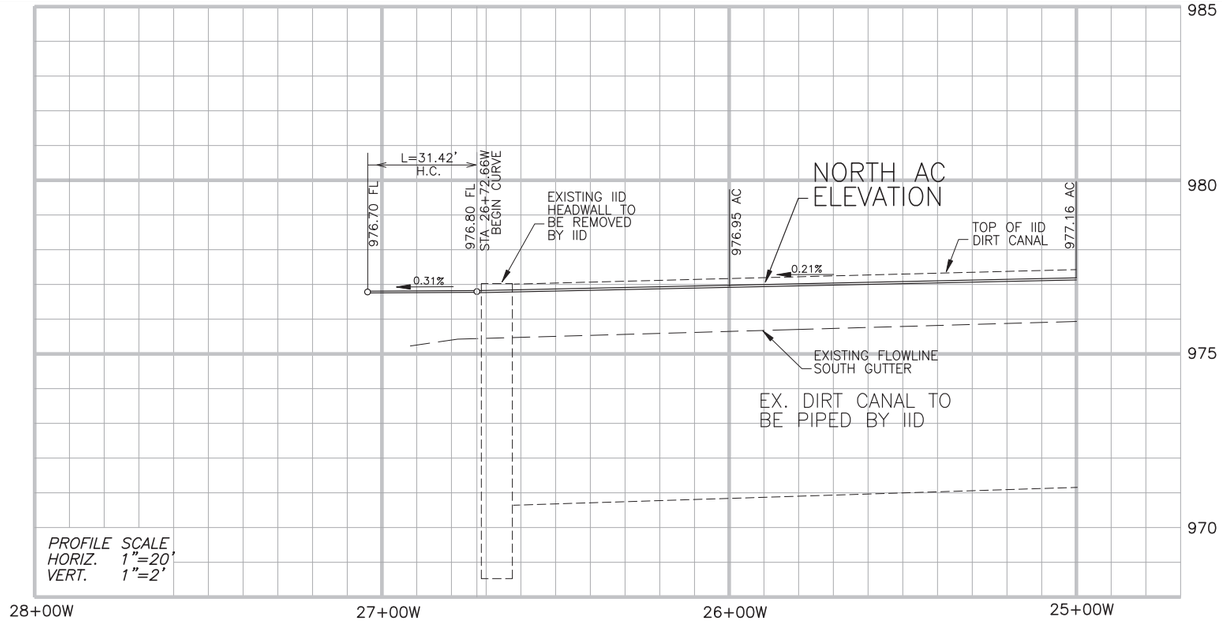

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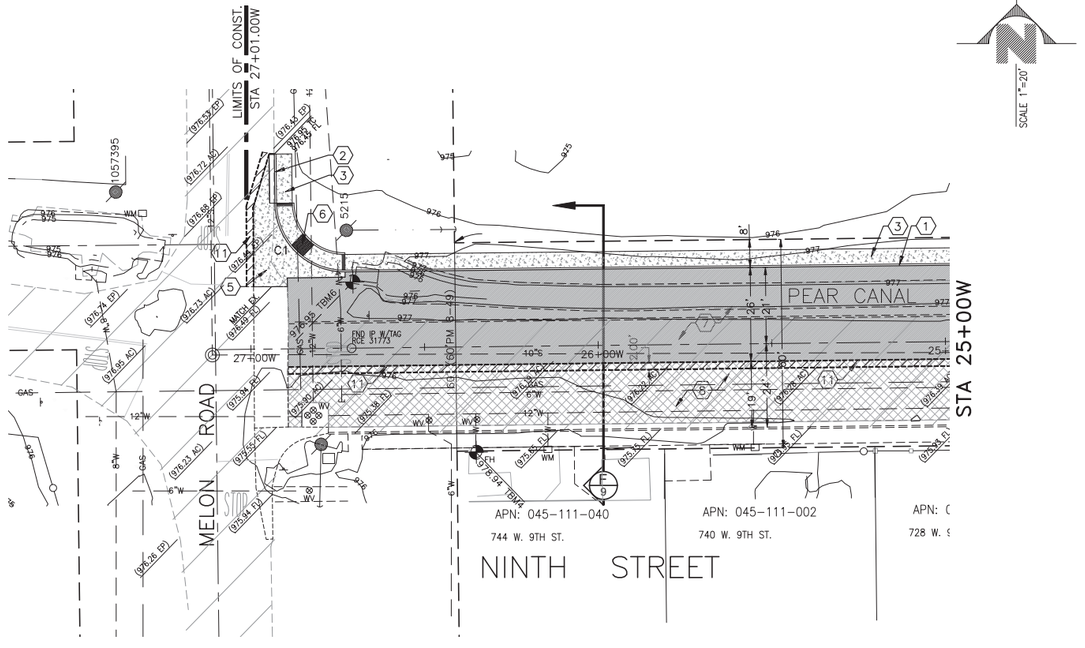
9. EXISTING MANHOLE FRAME/COVER TO BE LOWERED 0.30' BEFORE PAVING, AFTER PAVING ADJUST MANHOLE FRAME/COVER TO 3/8" BELOW GRADE AND INSTALL A PCC CONCRETE RING ONE FOOT WIDE AND ONE FOOT DEEP AROUND THE MANHOLE FRAME/COVER PER CITY OF HOLVILLE DET. No. SS-109
10. EXISTING SURVEY MONUMENT TO BE RE-ESTABLISHED AFTER CONSTRUCTION IN A NEW MONUMENT WELL PAR CITY OF HOLTVILLE STANDARD DETAIL S-135
11. INSTALL 0.12' OF A.C. PAVEMENT OVERLAY
12. EXTEND THE 12" INCH WATERLINE NORTH OF PROPOSED CONCRETE SIDEWALK

STREET ELEVATION GRADING TABLE:

STATION	TOP CURB (1)	BACK SIDEWALK (3)	SLOPE (4)	6" BARRIER CURB AC ELEV (5)	6" BARRIER CURB BASE ELEV (6)	6" BARRIER CURB NAT ELEV (7)	MIDWAY AC ELEV (8)	MIDWAY BASE ELEV (9)	MIDWAY NAT ELEV (10)	CENTERLINE AC ELEV (11)	CENTERLINE BASE ELEV (12)	CENTERLINE NAT ELEV (13)
15+70.00W	979.34	979.39	0.011	978.84	978.59	977.84	978.70	978.45	977.70	978.56	978.31	977.56
16+00.00W	979.55	979.60	0.021	979.05	978.80	978.05	978.78	978.53	977.78	978.51	978.26	977.51
16+25.00W	979.50	979.55	0.019	979.00	978.75	978.00	978.76	978.51	977.76	978.51	978.26	977.51
16+50.00W	979.44	979.49	0.018	978.94	978.69	977.94	978.70	978.45	977.70	978.46	978.21	977.46
16+75.00W	979.39	979.44	0.020	978.89	978.64	977.89	978.63	978.38	977.63	978.37	978.12	977.37
17+00.00W	979.34	979.39	0.021	978.84	978.59	977.84	978.57	978.32	977.57	978.29	978.04	977.29
17+25.00W	979.29	979.34	0.020	978.79	978.54	977.79	978.53	978.28	977.53	978.27	978.02	977.27
17+50.00W	979.24	979.29	0.020	978.74	978.49	977.74	978.48	978.23	977.48	978.21	977.96	977.21
17+75.00W	979.18	979.23	0.022	978.68	978.43	977.68	978.40	978.15	977.40	978.12	977.87	977.12
18+00.00W	979.13	979.18	0.020	978.63	978.38	977.63	978.37	978.12	977.28	978.10	977.85	977.10
18+25.00W	979.08	979.13	0.020	978.58	978.33	977.58	978.32	978.07	977.32	978.06	977.81	977.06
18+50.00W	979.03	979.08	0.020	978.53	978.28	977.53	978.27	978.02	977.27	978.01	977.76	977.01
18+75.00W	978.97	979.02	0.021	978.47	978.22	977.47	978.20	977.95	977.20	977.92	977.67	976.92
19+00.00W	978.92	978.97	0.021	978.42	978.17	977.42	978.14	977.89	977.14	977.86	977.61	976.86
19+25.00W	978.87	978.92	0.022	978.37	978.12	977.37	978.08	977.83	977.08	977.79	977.54	976.79
19+50.00W	978.82	978.87	0.023	978.32	978.07	977.32	978.03	977.78	977.03	977.73	977.48	976.73
19+75.00W	978.76	978.81	0.022	978.26	978.01	977.26	977.97	977.72	976.97	977.68	977.43	976.68
20+00.00W	978.71	978.76	0.027	978.21	977.96	977.21	977.86	977.61	976.86	977.50	977.25	976.50
20+25.00W	978.66	978.71	0.027	978.16	977.91	977.16	977.82	977.57	976.82	977.47	977.22	976.47
20+50.00W	978.61	978.66	0.026	978.11	977.86	977.11	977.77	977.52	976.77	977.43	977.18	976.43
20+75.00W	978.55	978.60	0.027	978.05	977.80	977.05	977.72	977.47	976.72	977.38	977.13	976.38
21+00.00W	978.50	978.55	0.024	978.00	977.75	977.00	977.69	977.44	976.69	977.38	977.13	976.38
21+25.00W	978.45	978.50	0.022	977.95	977.70	976.95	977.67	977.42	976.67	977.38	977.13	976.38
21+50.00W	978.40	978.45	0.022	977.90	977.65	976.90	977.61	977.36	976.61	977.32	977.07	976.32
21+75.00W	978.34	978.39	0.023	977.84	977.59	976.84	977.54	977.29	976.54	977.24	976.99	976.24
22+00.00W	978.29	978.34	0.026	977.79	977.54	976.79	977.45	977.20	976.99	977.10	976.85	976.10
22+25.00W	978.24	978.29	0.027	977.74	977.49	976.74	977.39	977.14	976.39	977.03	976.78	976.03
22+50.00W	978.19	978.24	0.025	977.69	977.44	976.69	977.33	977.08	976.33	976.97	976.72	975.97
22+75.00W	978.13	978.18	0.027	977.63	977.38	976.63	977.29	977.04	976.29	976.94	976.69	975.94
23+00.00W	978.08	978.13	0.025	977.58	977.33	976.58	977.26	977.01	976.26	976.93	976.68	975.93
23+25.00W	978.03	978.08	0.025	977.53	977.28	976.53	977.21	976.96	976.21	976.89	976.64	975.89
23+50.00W	977.98	978.03	0.025	977.48	977.23	976.48	977.15	976.90	976.15	976.82	976.57	975.82
23+75.00W	977.92	977.97	0.025	977.42	977.17	976.42	977.09	976.84	976.09	976.76	976.51	975.76
24+00.00W	977.87	977.92	0.029	977.37	977.12	976.37	977.00	976.75	976.00	976.62	976.37	975.62
24+25.00W	977.82	977.87	0.027	977.32	977.07	976.32	976.97	976.72	975.97	976.62	976.37	975.62
24+50.00W	977.77	977.82	0.027	977.27	977.02	976.27	976.93	976.68	975.93	976.58	976.33	975.58
24+75.00W	977.71	977.76	0.028	977.21	976.96	976.21	976.85	976.60	975.85	976.48	976.23	975.48
25+00.00W	977.66	977.71	0.030	977.16	976.91	976.16	976.77	976.52	975.77	976.37	976.12	975.37
25+25.00W	977.61	977.66	0.030	977.11	976.86	976.11	976.72	976.47	975.72	976.32	976.07	975.32
25+50.00W	977.56	977.61	0.031	977.06	976.81	976.06	976.66	976.41	975.66	976.25	976.00	975.25
25+75.00W	977.50	977.55	0.030	977.00	976.75	976.00	976.61	976.36	975.61	976.22	975.97	975.22
26+00.00W	977.45	977.50	0.029	976.95	976.70	975.95	976.58	976.33	975.58	976.20	975.95	975.20
26+25.00W	977.40	977.45	0.029	976.90	976.65	975.90	976.53	976.28	975.53	976.15	975.90	975.15
26+50.00W	977.35	977.40	0.032	976.85	976.60	975.85	976.44	976.19	975.44	976.03	975.78	975.03
26+72.66W	977.30	977.35	0.034	976.80	976.55	975.80	976.36	976.11	975.36	975.92	975.67	974.92



SCALE 1"=20'

BENCHMARK TABLE

BM#	DESCRIPTION	ELEV.
TBM 1	CHISELED "X" AT TOP OF EC LOCATED AT THE SOUTHEAST CORNER OF PALM AVE. AND NINTH ST.	979.75
TBM 2	TOP OF FIRE HYDRANT LOCATED AT THE SOUTHWEST INTERSECTION OF NINTH ST. AND OLIVE AVE.	981.27
TBM 4	TOP OF FIRE HYDRANT ALONG NINTH ST. BEETWEN MELON ROAD AND OLIVE AVE.	978.27
TBM 4	TOP OF FIRE HYDRANT LOCATED AT THE SOUTHWEST INTERSECTION OF NINTH ST. AND MELON ROAD.	978.94

CURVE TABLE

CURVE	DELTA	RADIUS	LENGTH	REFERENCE
C1	90°00'57"	20.00'	31.42'	FACE OF CURB

20' 0' 20' 40' 60'
GRAPHIC SCALE

NINTH STREET IMPROVEMENT PLAN AND PROFILE
SHEET – STA 25+00 W TO STA 27+00 W

No.	DESCRIPTION	BY	DATE

SEAL

SEAL
REGISTERED PROFESSIONAL ENGINEER
CARLOS CORRALES
No. 55432
EXP. 12-31-26
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:
CARLOS CORRALES
02-28-25
DATE
55,432
R.C.E. No.
12-31-26
EXP. DATE

BENCH MARK
TBM 06
"+" CHIPPED ON SW COR OF INLET HEADWALL OF SIPHON IN 9TH STREET DITCH UNDER MELON AVE.
ELEV= 976.95

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El Centro CA 92243
www.lcec-inc.com tel 760.352.8160
info@lcec-inc.com fax 760.352.8408

BENCHMARK: SEE SHEET NO. 2

PEDESTRAIN AND BICYCLE IMPROVEMENTS ON 9TH STREET
BETWEEN MELON ROAD AND OLIVE AVENUE
PROJECT NUMBER STPL-5174(034)

HOLTVILLE, CALIFORNIA
DATE 02/28/25
BY STAFF
CLIENT CITY OF HOLTVILLE
FILE NAME C24006-00MST
JOB NUMBER C24006-00

SHEET 6
OF: 13

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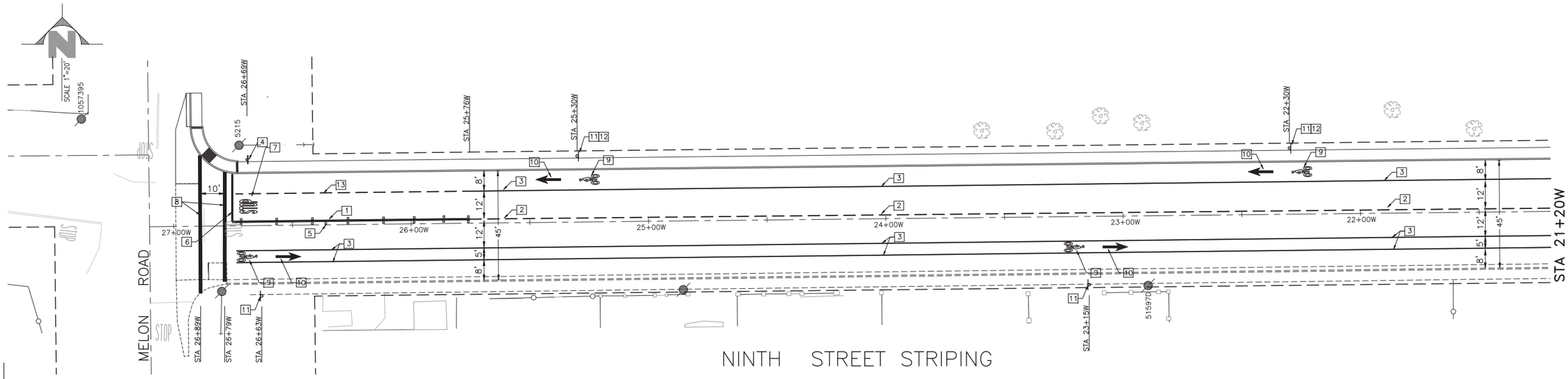
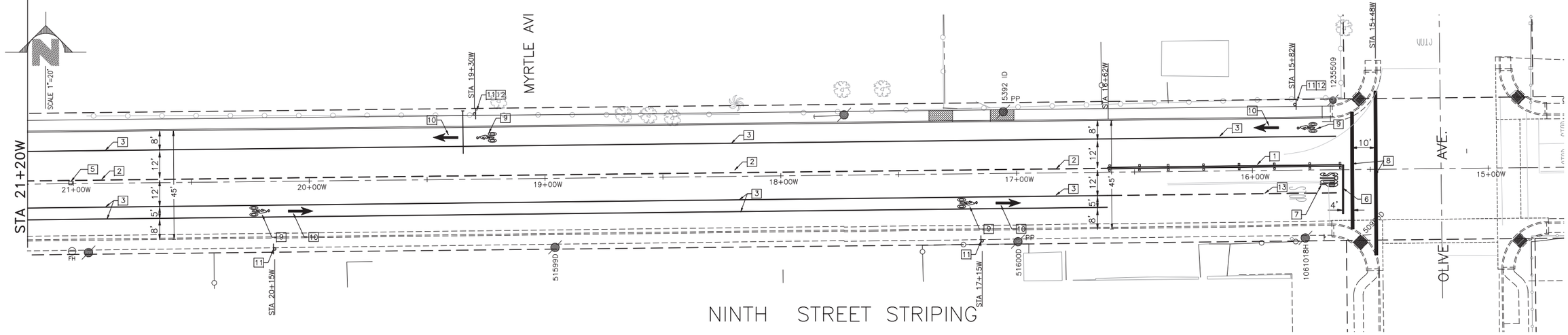


NINTH STREET STRIPING



NINTH STREET STRIPING

EXISTING STRIPING
PROPOSED STRIPING

NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL DURING THE INSTALLATION, REMOVAL OR MODIFICATION OF ALL SIGNING AND STRIPING SHOWN ON THESE PLANS.
2. THE APPLICATION OF THE TRAFFIC CONTROL DEVICES AND THEIR PLACEMENT SHALL CONFORM TO THE CURRENT CALIFORNIA "MANUAL OF TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE WORK ZONES."
3. CONTRACTOR SHALL REMOVE AND SALVAGE ALL EXISTING CONFLICTING SIGNS, PAVEMENT MARKERS AND SANDBLAST ALL CONFLICTING EXISTING STRIPING AND PAVEMENT MARKINGS.
4. CONTRACTOR SHALL APPLY AN SS-1H FOG SEAL PER STANDARD SPECIFICATIONS OVER THE NORTH HALF OF NINTH STREET BETWEEN CEDAR AND PALM AFTER THE CONFLICTING EXISTING STRIPING IS REMOVED
5. CONTRACTOR SHALL INSTALL TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION AND SHALL CONFORM TO THE CURRENT CALIFORNIA "MANUAL OF TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE WORK ZONES." AND CITY OF HOLTVILLE STANDARD PLANS AND SPECIFICATIONS.

STRIPING & SIGNAGE NOTES:

1. PAINT "NO PASSING ZONES – TWO DIRECTION" PER CALTRANS STD. PLAN A20A DETAIL 22 WITH PAVEMENT MARKER TYPE "G" @15 FEET (TYP.)
2. PAINT 6" YELLOW CENTERLINE PER CALTRANS STD. PLAN A20B DETAIL 1
3. PAINT 6" WHITE BIKE LANE LINE PER CALTRANS STANDARD PLAN A20D DETAIL 39.
4. INSTALL STOP AND STREET NAME SIGN PER CITY OF HOLTVILLE STANDARD DETAIL S-130.
5. INSTALL BLUE PAVEMENT MARKER TYPE "G" (FIRE HYDRANT)
6. INSTALL 12" WHITE CROSSWALK AND LIMIT LINE PER CALTRANS STANDARD PLAN A24E
7. INSTALL "STOP" PAVEMENT MARKING PER CALTRANS STD, PLAN A24D
8. INSTALL 10 FOOT WIDE 12" WHITE CROSSWALK PER CALTRANS STANDARD PLAN 424E.
9. PAINT WHITE "BIKE LANE SYMBOL WITH PERSON" PER STANDARD PLAN A24C
10. INSTALL TYPE 1 WHITE (10') ARROW PER CALTRANS STANDARD PLAN A24A.
11. INSTALL R81(CA) "BIKE LANE" SIGN
12. INSTALL R6(CA) "NO PARKING" SIGN
13. PAINT 6" WHITE BIKE LANE INTERSECTION LINE PER CALTRANS STD. PLAN A20D DETAIL 39A.

LEGEND

- BIKE LANE — R81 (CA)
- NO PARKING ANY TIME — R26 (CA)
- 72" 72" 72" — BYCICLE LANE MARKING PER CA 2014 MUTCD FIG. 9C-3 (B)

No.	DESCRIPTION	BY	DATE

SEAL

SEAL — REGISTERED PROFESSIONAL ENGINEER — CARLOS CORRALES — No. 55432 EXP. 12-31-26 CIVIL — STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:

CARLOS CORRALES — 55,432 R.C.E. No.

02-28-25 DATE — 12-31-26 EXP. DATE

BENCH MARK

TBM 06

"+" CHIPPED ON SW COR OF INLET HEADWALL OF SIPHON IN 9TH STREET DITCH UNDER MELON AVE.

ELEV= 976.95

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info@lcec-inc.com fax 760.352.6408

BENCHMARK: SEE SHEET NO. 2

STRIPING AND SIGNAGE PLAN

PEDESTRAIN AND BICYCLE IMPROVEMENTS ON 9TH STREET BETWEEN MELON ROAD AND OLIVE AVENUE
PROJECT NUMBER STPL-5174(034)

HOLTVILLE, CALIFORNIA

DATE 02/28/25 — BY STAFF

CLIENT CITY OF HOLTVILLE — FILE NAME 16038-00MST — JOB NUMBER 16038-00

SHEET 7 OF 13

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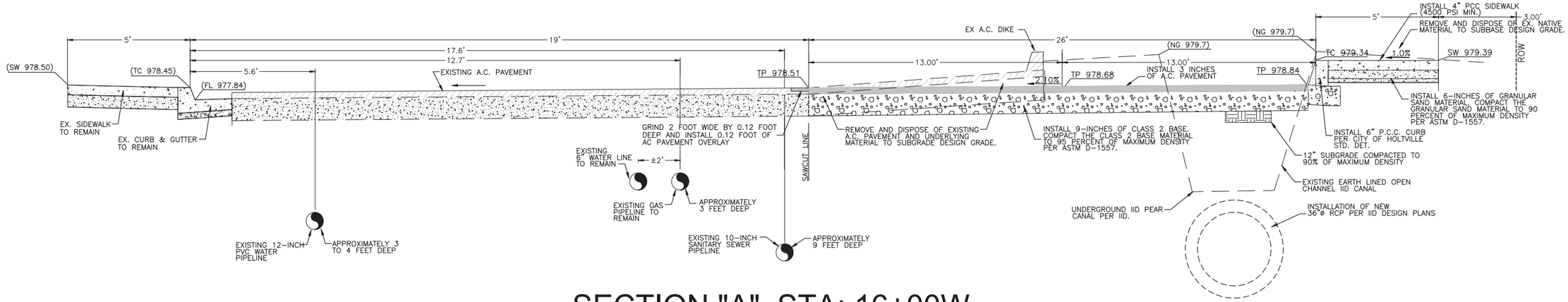
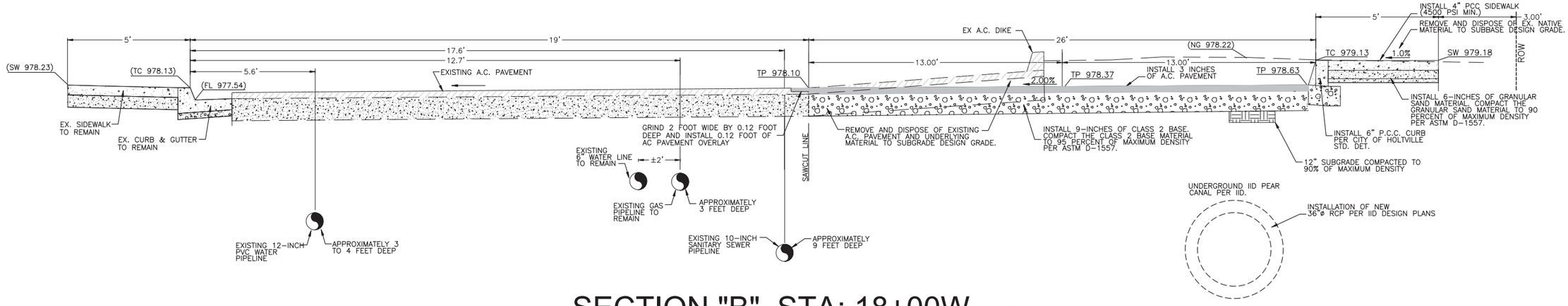
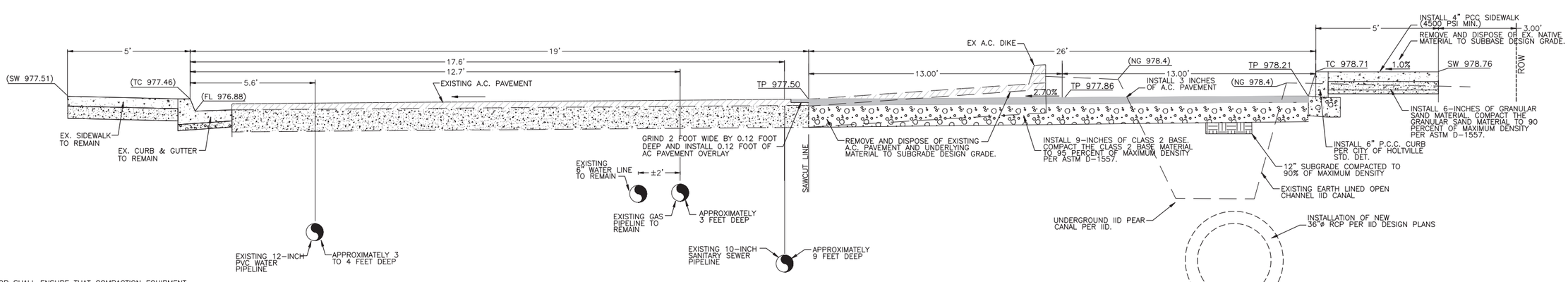


SECTION "A" STA: 16+00W N.T.S.



SECTION "B" STA: 18+00W N.T.S.



SECTION "C" STA: 20+00W N.T.S.

NOTE: CONTRACTOR SHALL ENSURE THAT COMPACTION EQUIPMENT SHALL NOT USE VIBRATION WHEN DIRECTLY OVER THE IID PIPELINE DURING BACKFILLING AND COMPACTING ACTIVITIES. A MINIMUM OF 2-FOOT OF COVER OVER THE PIPE MUST BE MAINTAINED AT ALL TIMES. ONLY RUBBER TIRE VEHICLES SHALL BE ALLOWED TO TRAVERSE OVER THE IID PIPELINE AND NOTE AT NO TIME SHALL HEAVILY LOADED EQUIPMENT TRAVEL OVER THE IID PIPELINE.

No.	DESCRIPTION	BY	DATE

SEAL

SEAL
REGISTERED PROFESSIONAL ENGINEER CARLOS CORRALES No. 55432 EXP. 12-31-26 CIVIL STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:

CARLOS CORRALES — 55,432 R.C.E. No.

02-28-25 DATE — 12-31-26 EXP. DATE

BENCH MARK

TBM 06
"+" CHIPPED ON SW COR OF INLET HEADWALL OF SIPHON IN 9TH STREET DITCH UNDER MELON AVE.
ELEV= 976.95

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BENCHMARK: SEE SHEET NO. 2

STREET SECTIONS

PEDESTRAIN AND BICYCLE IMPROVEMENTS ON 9TH STREET
BETWEEN MELON ROAD AND OLIVE AVENUE
PROJECT NUMBER STPL-5174(034)

HOLTVILLE, CALIFORNIA

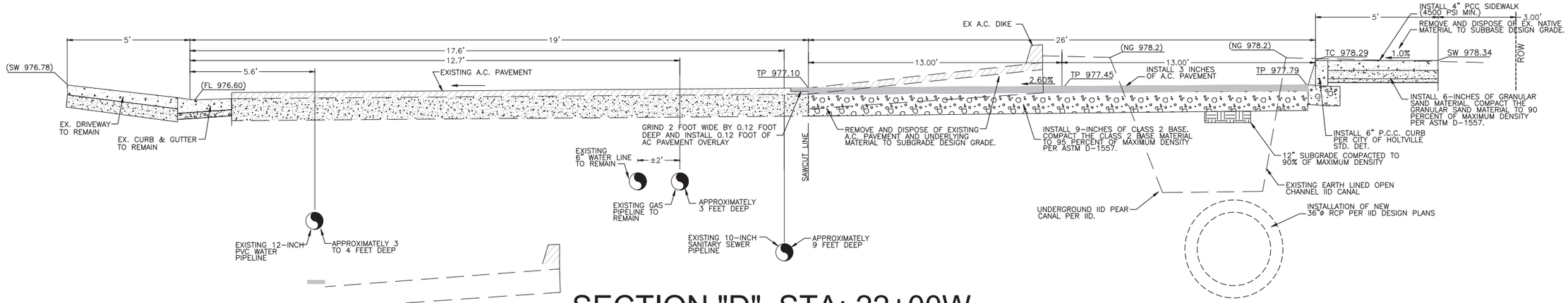
DATE 02/28/25 BY D.C

CLIENT CITY OF HOLTVILLE

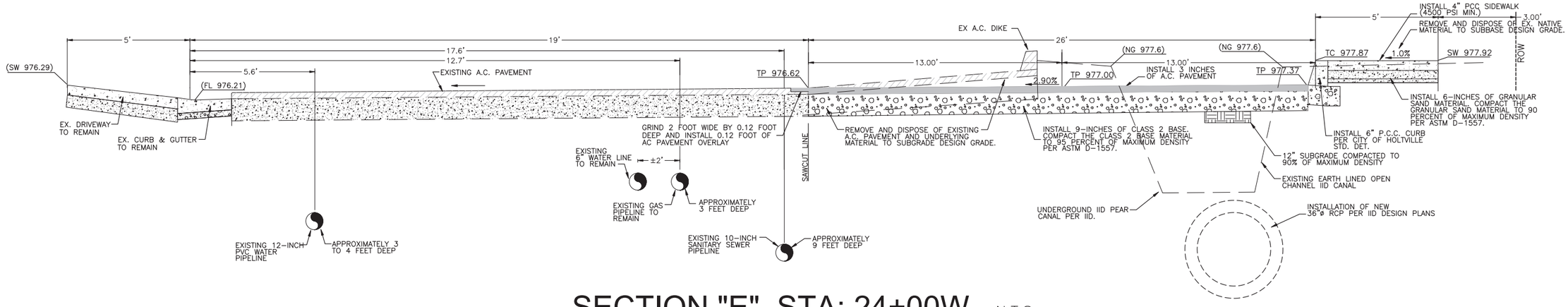
FILE NAME C24006-00MST

JOB NUMBER C24006-00

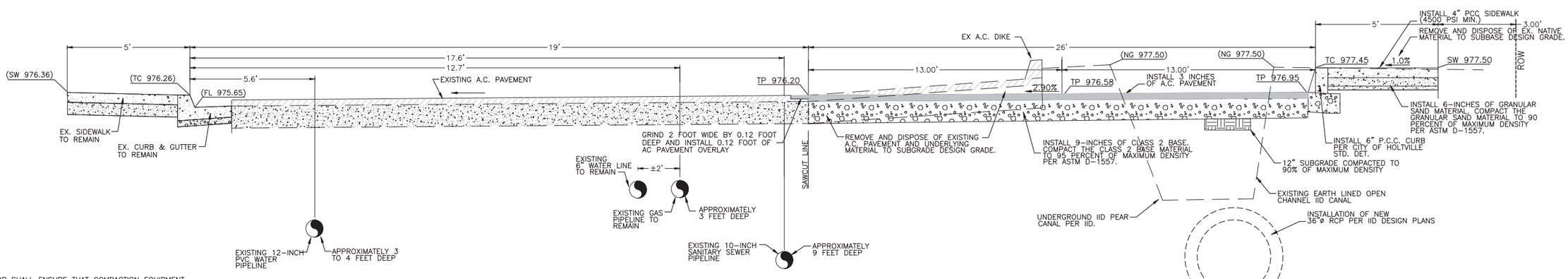
SHEET 8 OF 13



SECTION "D" STA: 22+00W N.T.S.



SECTION "E" STA: 24+00W N.T.S.



SECTION "F" STA: 26+00W N.T.S.

NOTE: CONTRACTOR SHALL ENSURE THAT COMPACTION EQUIPMENT SHALL NOT USE VIBRATION WHEN DIRECTLY OVER THE IID PIPELINE DURING BACKFILLING AND COMPACTING ACTIVITIES. A MINIMUM OF 2-FOOT OF COVER OVER THE PIPE MUST BE MAINTAINED AT ALL TIMES. ONLY RUBBER TIRE VEHICLES SHALL BE ALLOWED TO TRAVERSE OVER THE IID PIPELINE AND NOTE AT NO TIME SHALL HEAVILY LOADED EQUIPMENT TRAVEL OVER THE IID PIPELINE.

No.	DESCRIPTION	BY	DATE

SEAL

SEAL
REGISTERED PROFESSIONAL ENGINEER
CARLOS CORRALES
No. 55432
EXP. 12-31-26
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:

CARLOS CORRALES — 55,432 R.C.E. No.

02-28-25 DATE — 12-31-26 EXP. DATE

BENCH MARK

TBM 06
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BENCHMARK: SEE SHEET NO. 2

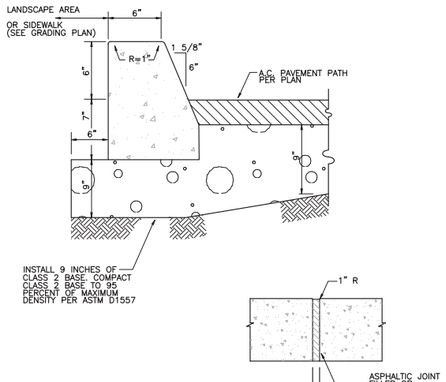
STREET SECTIONS

PEDESTRAIN AND BICYCLE IMPROVEMENTS ON 9TH STREET
BETWEEN MELON ROAD AND OLIVE AVENUE
PROJECT NUMBER STPL-5174(034)

HOLTVILLE, CALIFORNIA

CLIENT: CITY OF HOLTVILLE
FILE NAME: C24006-00MST
JOB NUMBER: C24006-00
DATE: 02/28/25
BY: D.C

SHEET 9 OF 13



EXPANSION JOINT

NOTES:

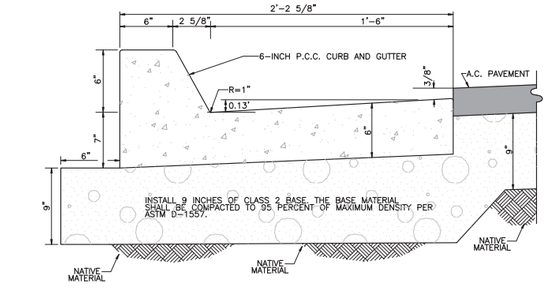
1. BARRIER CURB SHALL BE TYPE 5 CONCRETE AND ATTAIN A 28– DAY COMPRESSIVE STRENGTH OF 4,500 PSI
2. WEAKENED PLANT JOINTS SHALL BE CONSTRUCTED AT A MINIMUM OF 12–FOOT INTERVALS, EXCEPT THAT THE INTERVAL SHALL BE VARIED TO ALLOW MATCHING JOINTS OF ADJACENT NEW OR EXISTING IMPROVEMENTS.
3. THE CURB EDGES SHALL BE TRUE TO LINE AND GRADE. VERTICAL ELEVATIONS SHALL NOT VARY MORE THAN ±0.01' WITH A MAXIMUM VARIANCE OF 0.02' FROM DESIGN GRADE OCCURING IN ANY GIVEN 100 FEET SECTION. THE HORIZONTAL CURB EDGES SHALL NOT VARY MORE THAN 1.4" INCH IN ANY GIVEN 100 FOOT SECTION.

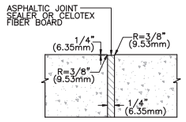
6-INCH P.C.C. BARRIER CURB

A

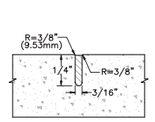
4,5,6 10

CITY OF HOLTVILLE STANDARD DETAIL S-120
NTS.





EXPANSION JOINT
N.T.S.



WEAKENED PLANE JOINT
N.T.S.

TABLE A			
SIDEWALK WIDTH	CURB AND GUTTER WEAKENED PLANE SPACING	CURB AND GUTTER EXPANSION JOINT SPACING	
4.5 FEET	9 FEET	72.0 FEET	
5.0 FEET	10 FEET	70.0 FEET	
5.5 FEET	11 FEET	66.0 FEET	
6.0 FEET	12 FEET	72.0 FEET	

NOTES FOR CURB AND GUTTER AND SIDEWALK

1. PLACE WEAKENED PLANE JOINT PER TABLE "A" ON THIS SHEET. IF THERE IS NO SIDEWALK ADJOINING THE CURB AND GUTTER PLACE WEAKENED PLANE JOINTS 8 LINEAL FEET ON CENTER.
2. PLACE EXPANSION JOINT ALONG SIDEWALK AND CURB AND GUTTER PER TABLE "A". EXPANSION JOINT MATERIAL TO BE COMPOSED OF 1/2" (1.27cm) FIBER BOARD INSTALLED ACROSS FULL SECTION OF CURB AND GUTTER AND SIDEWALK. IF THERE IS NO SIDEWALK ADJOINING CURB AND GUTTER PLACE EXPANSION JOINT MATERIAL EVERY 64 LINEAL FEET.
3. THE GUTTER SURFACE, CURB FACE, TOP OF CURB AND SIDEWALK SURFACE SHALL RECIEVE A DOUBLE TROWEL FINISH.
4. THE CURB AND GUTTER EDGES SHALL BE PLACED TRUE TO LINE AND GRADE. VERTICAL ELEVATIONS SHALL NOT VARY MORE THAN .01' WITH A MAXIMUM VARIANCE OF 0.02' FROM DESIGN GRADE OCCURRING IN ANY GIVEN 100 FOOT SECTION. THE HORIZONTAL CURB AND GUTTER EDGES SHALL NOT VARY MORE THAN 1/4" IN NAY GIVEN 100 FOOT SECTION.
5. SIDEWALK WILL BE INSTALLED AND ADJOINED TO THE CURB AND GUTTER AS ILLUSTRATED ON THE PLANS.
6. THE P.C.C. SHALL CONTAIN 6 1/2 SACKS OF CEMENT PER CUBIC YARD AND ATTAIN A COMPRESSIVE STRENGTH OF 4,500 PSI AFTER 28 DAYS CURING.
7. THE P.C.C. SHALL CONTAINS 1 1/2 LBS OF POLYPROPYLENE FIBER PER CUBIC YARD. THE POLYPROPYLENE FIBER SHALL BE MANUFACTURED BY FIBER MESH.

6-INCH P.C.C. CURB AND GUTTER DETAIL

B

6 10

CITY OF HOLTVILLE STANDARD DETAIL S-117
NTS.

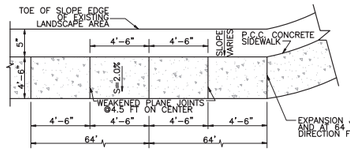
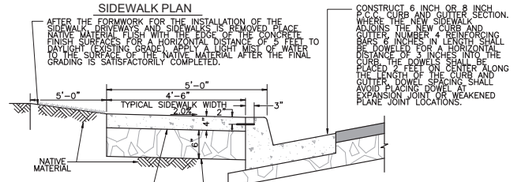
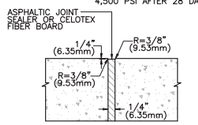


TABLE A			
SIDEWALK WIDTH	SIDEWALK WEAKENED PLANE JOINT SPACING	CURB AND GUTTER WEAKENED PLANE SPACING	CURB AND GUTTER AND SIDEWALK EXPANSION JOINT SPACING
4.5 FEET	4.5 FEET	9 FEET	72.0 FEET
5.0 FEET	5.0 FEET	10 FEET	70.0 FEET
5.5 FEET	5.5 FEET	11 FEET	66.0 FEET
6.0 FEET	6.0 FEET	12 FEET	72.0 FEET

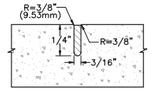
SIDEWALK PLAN



SECTION



EXPANSION JOINT
N.T.S.



WEAKENED PLANE JOINT
N.T.S.

NOTES FOR CURB AND GUTTER AND SIDEWALK

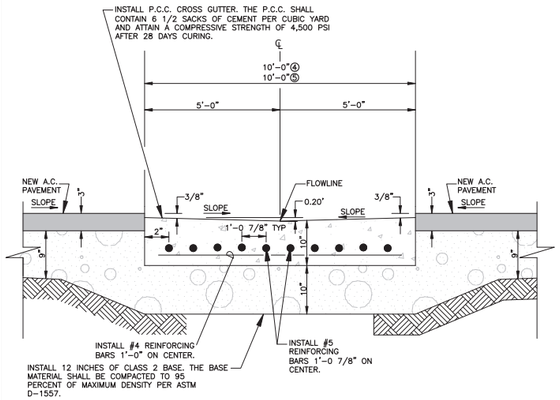
1. PLACE WEAKENED PLANE JOINT EVERY 9 LINEAL FEET ALONG THE CURB AND GUTTER.
2. PLACE EXPANSION JOINT ALONG SIDEWALK AND CURB AND GUTTER EVERY 72 FEET. EXPANSION JOINT MATERIAL TO BE COMPOSED OF 1/2" FIBER BOARD INSTALLED ACROSS FULL SECTION OF CURB AND GUTTER AND SIDEWALK.
3. THE GUTTER SURFACE, CURB FACE, TOP OF CURB, AND SIDEWALK SURFACE SHALL RECIEVE A DOUBLE TROWEL FINISH.
4. THE CURB AND GUTTER EDGES SHALL BE PLACED TRUE TO LINE AND GRADE VERTICAL ELEVATIONS SHALL NOT VARY MORE THAN 0.01' WITH A MAXIMUM VARIANCE OF 0.02' FROM DESIGN GRADE OCCURING IN ANY GIVEN 100 FOOT SECTION. THE HORIZONTAL CURB AND GUTTER EDGES SHALL NOT VARY MORE THAN 1/4" IN ANY GIVEN 100 FOOT SECTION.
5. SIDEWALK SHALL BE INSTALLED AND ADJOINED TO THE CURB AND GUTTER AS ILLUSTRATED ON THE PLANS.
6. THE P.C.C. SHALL CONTAIN 6 1/2 SACKS OF CEMENT PER CUBIC YARD AND ATTAIN A COMPREHENXIVE STRENGTH OF 4,500 PSI AFTER 28 DAYS CURING.
7. FOR SIDEWALK WIDTHS GREATER THAN 4.5 FEET WIDE WEAKENED PLANE JOINT AND EXPANSION JOINT SHALL CONFORM TO TABLE "A" ABOVE.
8. THE P.C.C. SHALL CONTAIN 1 1/2 LBS OF POLYPROPYLENE FIBER PER CUBIC YARD. THE POLYPROPYLENE FIBER SHALL BE MANUFACTURED BY FIBERMESH.
9. FOR THIS PARTICULAR PROJECT, A 6–INCH DEPTH OF A.C. PAVEMENT GRINDINGS SHALL BE PLACED ALONG THE EXTERIOR EDGE OF THE P.C.C. SIDEWALK IN LIEU OF NATIVE EARTH MATERIAL. SEE PLAN SHEET 3.

P.C.C. SIDEWALK DETAIL

C

4,5,6 10

CITY OF HOLTVILLE STANDARD DETAIL S-122
NTS.



NOTES:

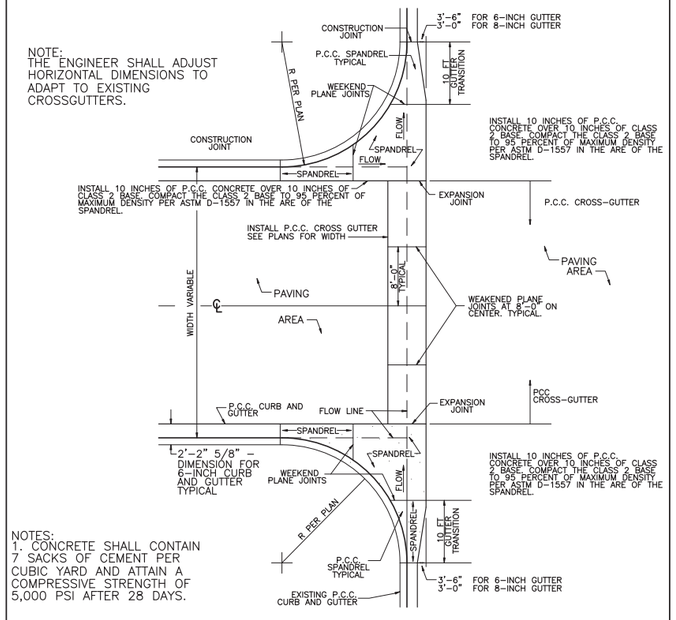
1. PLACE WEAKENED PLANCE JOINTS EVERY 8 FEET ON CENTER ALONG THE CROSS GUTTER.
2. THE CROSS GUTTER EDGES SHAL BE PLACED TRUE TO LINE AND GRADE. VERTICAL ELEVATIONS SHALL NOT VARY MORE THAN 0.01 WITH A MAXIMUM VARIANCE OF 0.02 FROM DESIGN GRADE OCCURING IN ANY GIVEN 10 FOOT SECTION.
3. THE P.C.C. CONCRETE SHALL CONTAIN 1 1/2 LBS OF POLYPROPYLENE FIBER PER CUBIC YARD. THE POLYPROPYLENE FIBER SHALL BE MANUFACTURED BYE FIBER MESH.
4. CROSS GUTTER ON A NORTH–SOUTH DIRECTION ALONG THE EAST INTERSECTION OF NINTH ST. AND OLIVE AVE.
5. CROSS GUTTER ON A EAST–WEST DIRECTION ALONG THE SOUTH INTERSECTION OF NINTH ST. AND OLIVE AVE.

P.C.C. CROSS GUTTER DETAIL

D

6 10

CITY OF HOLTVILLE STANDARD DETAIL S-115
NTS.



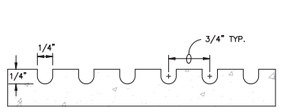
NOTES:
1. CONCRETE SHALL CONTAIN 7 SACKS OF CEMENT PER CUBIC YARD AND ATTAIN A COMPRESSIVE STRENGTH OF 5,000 PSI AFTER 28 DAYS.

P.C.C. SPANDREL DETAIL

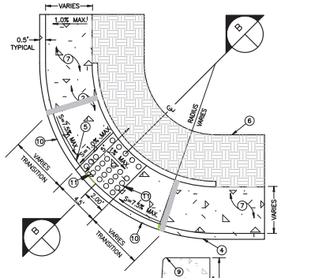
E

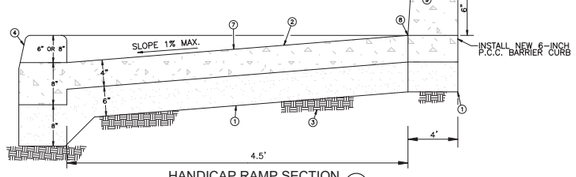
6 10

CITY OF HOLTVILLE STANDARD DETAIL S-114
NTS.



GROOVING DETAIL





HANDICAP RAMP SECTION (8-8 / 1)

KEYNOTES

1. INSTALL CLASS 2 BASE MATERIAL. COMPACT THE BASE MATERIAL TO 95 PERCENT OF MAXIMUM DENSITY PER ASTM D–1557.
2. INSTALL 4" THICK 5,000 PSI P.C.C. CONCRETE CURB RETURN.
3. NATIVE MATERIAL TO REMAIN.
4. FACE OF CURB.
5. P.C.C. DEPRESSED CURB FOR A 6'–0" DISTANCE.
6. INSTALL NATIVE MATERIAL FLUSH WITH THE SURFACE OF THE P.C.C. CONCRETE. SLOPE THE NATIVE MATERIAL AWAY FROM THE TOP OF THE P.C.C. CONCRETE FOR A HORIZONTAL LENGTH OF 5 FEET.
7. THE CURB RETURN SHALL BE CONSTRUCTED WITH 4" OF P.C.C. CONCRETE PLACED OVER 6" OF CLASS 2 BASE MATERIAL. THE CONCRETE SHALL ATTAIN 5,000 P.S.I. COMPRESSIVE STRENGTH AFTER 28 DAYS CURING. THE CONCRETE SURFACE SHALL RECEIVE A DOUBLE TROWEL FINISH. THE FINAL SURFACE OF THE RAMP SHALL CONSIST OF A TRANSVERSE BROOMED SURFACE EXCEPT FOR GROOVED AREAS. A 12 INCH BORDER SHALL BE PLACED ON THE RAMP. THE BORDER SHALL CONSIST OF 1/4 INCH GROOVES PLACED 3/4 INCHES ON CENTER. SEE GROOVING DETAIL ABOVE.
8. TOP OF RAMP.
9. ROUNDED.
10. P.C.C. CURB TRANSITION.
11. INSTALL TRUNCATED DOMES. SEE TYPICAL TRUNCATED DOME DETAIL S125.

P.C.C. HANDICAP RAMP DETAIL

F

6 10

CITY OF HOLTVILLE STANDARD DETAIL S-123
NTS.

No.	DESCRIPTION	BY	DATE

SEAL

SEAL

REGISTERED PROFESSIONAL ENGINEER
CARLOS CORRALES
No. 55432
EXP. 12–31–26
STATE OF CALIFORNIA
CIVIL

PREPARED UNDER THE DIRECTION OF:

CARLOS CORRALES — 55,432
02–28–25 — R.C.E. No.
DATE — 12–31–26
EXP. DATE

BENCH MARK

TBM 06
"+" CHIPPED ON SW COR OF INLET HEADWALL OF SIPHON IN 9TH STREET DITCH UNDER MELON AVE.
ELEV= 976.95

LC ENGINEERING CONSULTANTS INC.
CIVIL ENGINEERING • LAND SURVEYING • CONSTRUCTION MANAGEMENT SERVICES
1065 State Street
El Centro CA 92243
www.lcec-inc.com tel 760.353.8110
info@lcec-inc.com fax 760.352.6408

BENCHMARK: SEE SHEET NO. 2

DETAIL SHEET
PEDESTRAIN AND BICYCLE IMPROVEMENTS ON 9TH STREET
BETWEEN MELON ROAD AND OLIVE AVENUE
PROJECT NUMBER STPL–5174(034)

HOLTVILLE, CALIFORNIA

SHEET 10 OF 13
DATE 02/28/25
BY STAFF
CLIENT CITY OF HOLTVILLE
FILE NAME C23006–00DET
JOB NUMBER C24006–00

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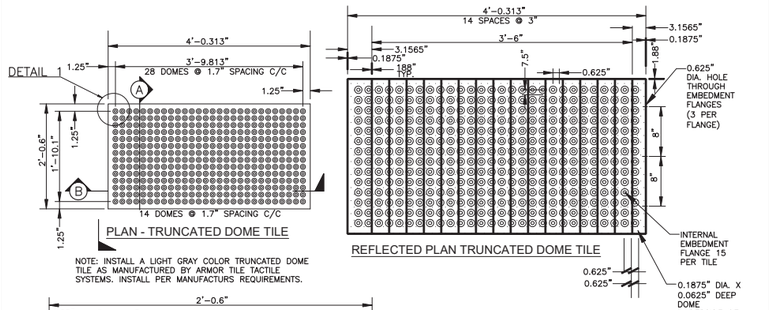
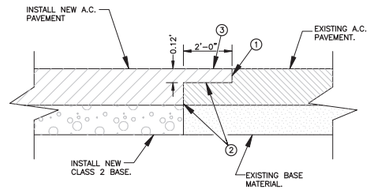


TRUNCATED DOMES DETAIL (F)

CITY OF HOLTVILLE STANDARD DETAIL S-125
NTS.

6|11



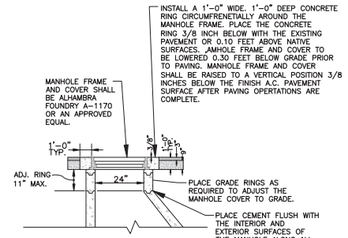
NOTES:

1. COLD PLANE 2 FOOT WIDE X 0.12 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 UNIFORMALY APPLIED PRECEDING THE PLACEMENT OF THE NEW ASPAHLT 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 (G)

CITY OF HOLTVILLE STANDARD DETAIL S-129
NTS.

2,3|11



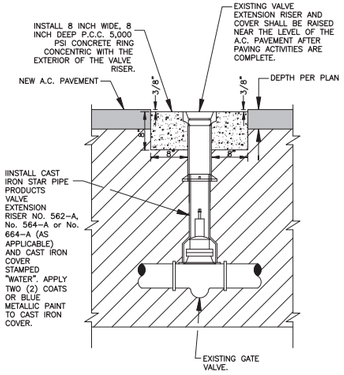
NOTES:

1. WHENEVER PRACTICABLE, THE FRAME AND COVER SHALL BE PLACED DIRECTLY OVER THE INLET OF THE STRUCTURE EXCEPT AS OTHERWISE NOTED ON THE PLANS.
2. GRADE RINGS SHALL BE SET PLUMB.
3. PLACE CEMENT GROUT IN OPENINGS BETWEEN PRECAST MANHOLE UNITS AND GRADE RINGS FLUSH WITH THE INTERIOR AND EXTERIOR SURFACES PRIOR TO APPLYING THE ZEBRON COATING OR COMPLETING BACKFILL WORK AROUND THE EXTERIOR OF THE MANHOLE.

MANHOLE FRAME AND COVER (H)

CITY OF HOLTVILLE STANDARD DETAIL SS-109
NTS.

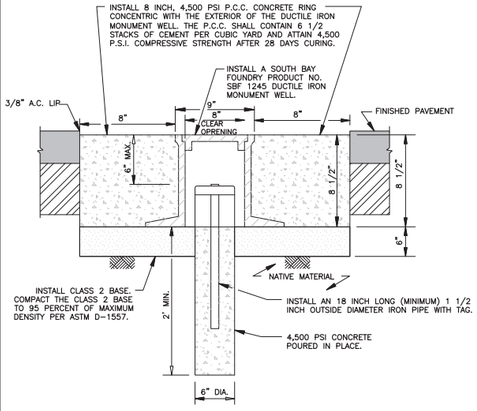
2,3|11



EXISTING VALVE RISER DETAIL (I)

CITY OF HOLTVILLE STANDARD DETAIL W-106
NTS.

2,3|11



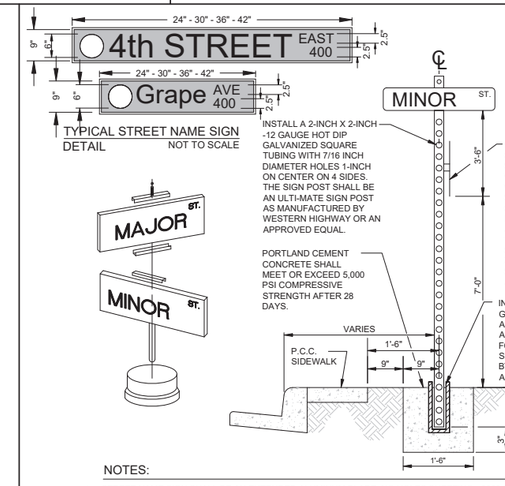
NOTES:

1. THE PERMANENT STREET MONUMENT SHOWN HEREON IS TO BE INSTALLED AT STREET INTERSECTIONS OR OTHER LOCATIONS AS REQUIRED.
2. ALL MATERIALS USED IN MANUFACTURING OF MONUMENT WELL SHALL CONFORM TO ASTM 48, CLASS 35B.
3. CASTING SHALL BE DIPPED IN BLACK, BITUMINUOUS PAINT.
4. FRAME AND COVER SHALL MEET H-20 WHEEL LOADING.

STANDARD SURVEY MONUMENT UNSTALLATION (J)

CITY OF HOLTVILLE STANDARD DETAIL S-135
NTS.

3|11



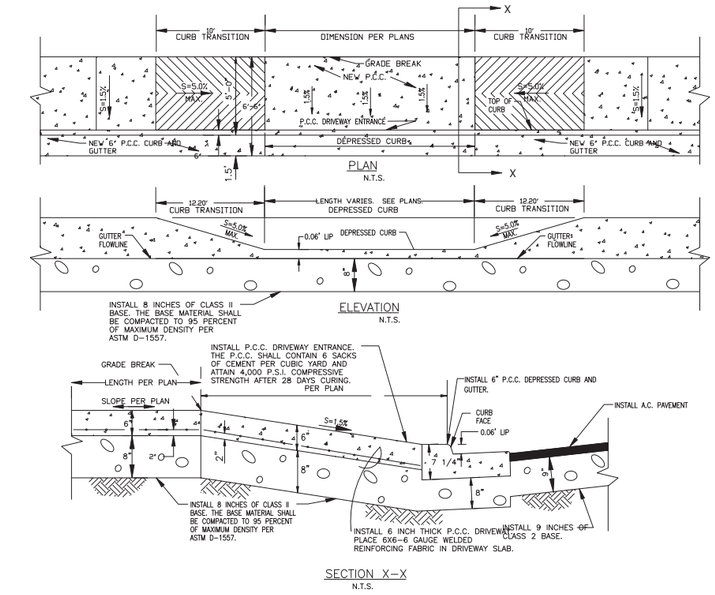
NOTES:

1. STREET NAME SIGN SHALL BE AN EXTRUDED ALUMINUM BLADE NO HOLES SHEETING - 3990 HIP ALLOY WITH VINYL APPLIED ON THE ANODIZED SURFACE. THE STREET NAME SIGN SHALL BE MANUFACTURED BY "MAIN STREET SIGNS" OR AN APPROVED EQUAL. THE TELEPHONE NUMBER OF MAIN STREET SIGNS IS (909) 391-0988.
2. THE BACKGROUND MATERIAL SHALL BE GREEN WITH WHITE REFLECTIVE LETTERS. THE SIGN SHALL BE 9-INCHES IN HEIGHT. THE SIZE OF STREET NAME LETTERS AND A FULL COLOR CITY OF HOLTVILLE LOGO SHALL BE 6-INCHES IN HEIGHT. THE WORDS "ROAD", "STREET", "AVENUE", "BLOCK" AND "BLOCK NUMBER" SHALL BE 2.5-INCHES IN HEIGHT. THE SIGN SHALL BE DOUBLE SIDED. THE LENGTH OF THE SIGN SHALL BE A MINIMUM OF 24-INCHES LONG. THE LENGTH OF THE SIGN MAY BE REQUIRED TO BE INCREASED TO ACCOMMODATE THE NUMBER OF REQUIRED LETTERS FOR A PARTICULAR ROAD OR STREET.
3. BACKGROUND MATERIAL AND LETTERS SHALL BE APPLIED BY MECHANICAL APPLICATIONS.
4. THE CONTRACTOR SHALL FORWARD AN AUTOCAD DRAWING OF THE STREET SIGN TO THE CITY ENGINEER FOR REVIEW DURING THE SUBMITTAL PROCESS. MANUFACTURING OF THE SIGN SHALL NOT BE ALLOWED UNTIL AN APPROVED SUBMITTAL DOCUMENT IS FORWARDED TO THE CONTRACTOR.

STOP AND STREET NAME SIGN DETAIL (K)

CITY OF HOLTVILLE STANDARD DETAIL S-130
NTS.

11



P.C.C. RESIDENTIAL DRIVEWAY ENTRANCE DETAIL (L)

NTS.

4|11

No.	DESCRIPTION	BY	DATE

SEAL

REGISTERED PROFESSIONAL ENGINEER CARLOS CORRALES No. 55432 EXP. 12-31-26 CIVIL STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:

CARLOS CORRALES — R.C.E. No. 55,432
02-28-25 — DATE
12-31-26 — EXP. DATE

BENCH MARK

TBM 06
"+" CHIPPED ON SW COR OF INLET HEADWALL OF SIPHON IN 9TH STREET DITCH UNDER MELON AVE.
ELEV= 976.95

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info@lcec-inc.com fax 760.352.6408

BENCHMARK: SEE SHEET NO. 2

DETAIL SHEET

PEDESTRAIN AND BICYCLE IMPROVEMENTS ON 9TH STREET
BETWEEN MELON ROAD AND OLIVE AVENUE
PROJECT NUMBER STPL-5174(034)

HOLTVILLE, CALIFORNIA

SHEET 11 OF 13
DATE 02/28/25
BY STAFF
CLIENT CITY OF HOLTVILLE
FILE NAME C24006-00DET
JOB NUMBER C24006-00

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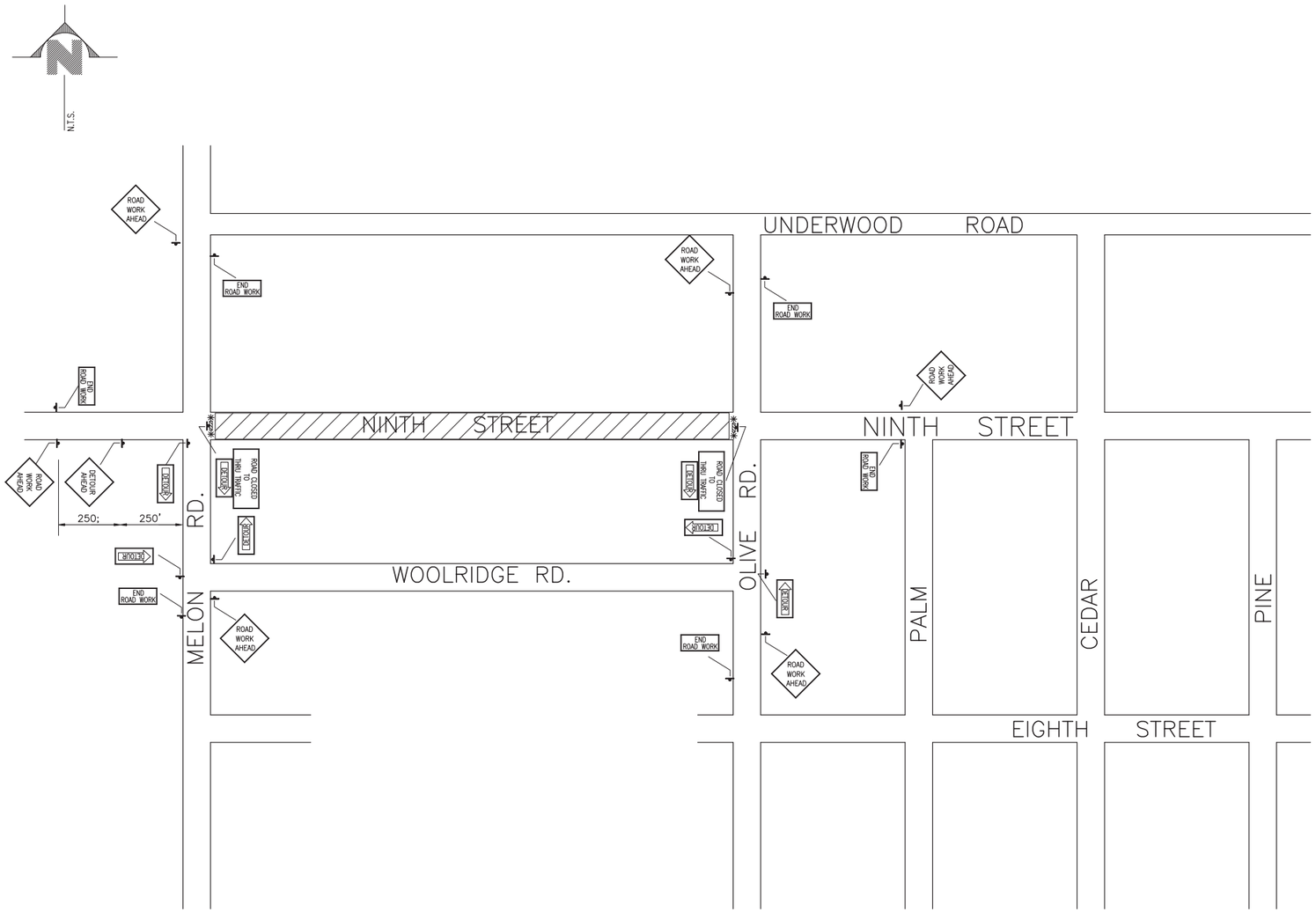

NOTE:
CONTRACTOR SHALL MAINTAIN RESIDENTIAL ACCESS AT ALL TIMES, DURING CONSTRUCTION CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS RAMPS.

TRAFFIC CONTROL GENERAL NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL DURING THE INSTALLATION, REMOVAL OR MODIFICATION OF ALL SIGNING AND STRIPING SHOWN ON THESE PLANS.

2. IN ADDITION TO THE GUIDELINES PROVIDED BY THE MANUAL OF TRAFFIC CONTROLS FOR THE SELECTION OF THE MOST APPROPRIATE DEVICES AND THEIR PLACEMENT, THE TRAFFIC CONTROL DESCRIBED IN SHEET No. T-10 THROUGH T-13 OF THE CALTRANS STANDARD PLANS DATED 2010 SHALL BE USED IN SITUATIONS REQUIRING LANE CLOSURES OR DETOURING THE PATH OF VEHICLES IN VARIOUS STAGES OF CONSTRUCTION.

3. THE LOCATIONS OF TRAFFIC CONTROL DEVICES ARE APPROXIMATE AND ADJUSTMENTS MAY BE REQUIRED TO MEET FIELD CONDITIONS. HOWEVER, ANY ADJUSTMENTS MUST MEET THE REQUIREMENTS OF THE CALIFORNIA MANUAL OF TRAFFIC CONTROLS AND COUNTY OF IMPERIAL TRAFFIC ENGINEER'S APPROVAL.

4. ANY SIGNING, STRIPING, PARKING OR OTHER TRAFFIC CONTROL DEVICES THAT CONFLICT WITH THESE PLANS SHALL BE REMOVED OR COVERED WHILE THESE PLANS ARE IN EFFECT AND REPLACED IF APPROPRIATE UPON COMPLETION. ANY MATERIAL NOT REPLACED SHALL BE DELIVERED TO THE CONTRACTING AUTHORITY AS DIRECTED BY THEIR AGENT.

5. CHANNELIZATION TYPE SHALL CONFORM TO CALTRANS TRAFFIC MANUAL SECTION 6-71 FIGURE 6-49, CONSISTENT WITH FIELD CONDITIONS DURING CONSTRUCTION. PROVIDE SECURE COVER OVER CONFLICTING SIGNS.

6. CONTRACTOR SHALL COVER ALL EXISTING CONFLICTING SIGNS AND SANDBLAST ALL CONFLICTING EXISTING STRIPING.

7. CONTRACTOR SHALL REMOVE OR COVER ALL CONSTRUCTION SIGNS DURING NON-WORKING HOURS.

8. ALL ADVANCE CONSTRUCTION SIGNS AND TRANSITIONS SHALL BE ADJUSTED IN ACCORDANCE WITH WORK AREA.

9. TEMPORARY "NO PARKING" SIGNS WILL BE POSTED 24 HOURS PRIOR TO COMMENCING WORK.

10. ACCESS WILL BE MAINTAINED TO ALL DRIVEWAYS AND FIELD ACCESS POINTS UNLESS OTHER ARRANGEMENTS ARE MADE.

11. TRENCHES MUST BE BACKFILLED OR PLATED DURING NON-WORKING HOURS UNLESS K-RAIL BARRIERS ARE PROVIDED. K-RAIL IS APPROVED ONLY WHEN SPECIFICALLY SHOWN ON THE APPROVED TRAFFIC CONTROL PLAN. PLATES SHALL HAVE CLEATS AND COLD MIX AT THE EDGES.

12. STRIPING WILL BE REPLACED BY THE CONTRACTOR WITHIN 24 HOURS IF REMOVED OR DAMAGED.

13. FLAGGERS SHALL BE EQUIPPED WITH A WHITE HARD HAT, AN ORANGE VEST AND A "STOP/SLOW" PADDLE ON A 5 FOOT STAFF.

14. ALL TRAFFIC CONTROL DEVICES MUST BE MAINTAINED 24 HOURS A DAY, 7 DAYS PER WEEK BY THE CONTRACTOR.

15. ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE STATE OF CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.

16. TRAFFIC CONTROL PLAN SUBMITTALS ARE REQUIRED FOR EACH PHASE OF THE WORK IN THE DETAIL, FORMAT AND QUALITY ILLUSTRATED ON THIS SHEET.

17. ALL TRAFFIC CONTROL DEVICES SHALL BE REMOVED FROM VIEW WHEN NOT IN USE.

18. NOT USED.

19. NOT LESS THAN ONE PERSON SHALL BE ASSIGNED TO FULL TIME MAINTENANCE OF TRAFFIC CONTROL DEVICES ON ALL NIGHT LANE CLOSURES.

20. ALL WARNING SIGNS FOR NIGHT LANE CLOSURES SHALL BE ILLUMINATED OR REFLECTORIZED AS SPECIFIED IN THE SPECIFICATIONS.

21. ALL ADVANCE WARNING SIGN INSTALLATIONS SHALL BE EQUIPPED WITH FLAGS FOR DAYTIME CLOSURES. FLASHING BEACONS SHALL BE PLACED AT ALL LOCATIONS INDICATED DURING NIGHT LANE CLOSURES.

22. A G20-2 "END ROAD WORK" SIGN, SHALL BE PLACED AT THE END OF THE LANE CLOSURE UNLESS THE END OF THE WORK AREA IS OBVIOUS, OR ENDS WITHIN A LARGER PROJECT LIMITS.

23. ADDITIONAL ADVANCE FLAGGERS SHALL BE REQUIRED WHEN TRAFFIC QUEUES DEVELOP. FLAGGER STATIONS FOR WORK AT NIGHT SHALL BE ILLUMINATED AS NOTED IN SECTION 5-07 OF THE "MANUAL OF TRAFFIC CONTROLS".

24. PLACE C30 "LANE CLOSED" SIGN ON FLAG TREE AT 500'-1000' INTERVALS THROUGHOUT EXTENDED WORK AREAS. THEY ARE OPTIONAL IF THE WORK AREA IS VISIBLE FROM THE FLAGGER STATION.

25. WHEN A PILOT CAR IS USED PLACE C37 "TRAFFIC CONTROL/WAIT FOR PILOT CAR" SIGN.

26. ALL REQUIRED SIGNS THAT ARE TO BE LEFT IN PLACE OVER A WEEKEND OR HOLIDAY SHALL BE POST MOUNTED.

27. CONSTRUCTION AREA TRAFFIC CONTROL DEVICES SHALL MEET THE PROVISIONS OF SECTION 12 OF THE MOST RECENT EDITION OF THE CALTRANS STANDARD SPECIFICATIONS.

SCOPE OF WORK:

STAGE 2A:
1- SAWCUTTING & DEMOLITION
2- HC RAMP/SPANDREL/CROSS GUTTER CONSTRUCTION
3- PAVING

STAGE 2B:
1- SAWCUTTING & DEMOLITION
2- CURB & GUTTER CONSTRUCTION
3- GRINDING
4- PAVING

STAGE 3:
1- SAWCUTTING & DEMOLITION
2- PAVING

LEGEND

- DRUM
- SIGN
- WORK AREA
- DIRECTION OF TRAVEL
- PORTABLE FLASHING BEACON
- K-RAIL

CONSTRUCTION SIGNS

TYPE III BARRICADE WITH PORTABLE YELLOW FLASHING BEACONS

ROAD WORK AHEAD	W20-1	ROAD CLOSED AHEAD	C-19
DETOUR AHEAD	W20-2	ONE LANE ROAD AHEAD	W20-4
DETOUR	M4-10L	END ROAD WORK	G20-2
DETOUR	M4-10R	DETOUR	SC-3
ROAD CLOSED	R11-2	ROAD CLOSED TO THRU TRAFFIC	R11-4
ROAD WORK SPPED LIMIT 15	C17 (CA)	SHOULDER CLOSED	C30A
		SHOULDER WORK AHEAD	C24

TRAFFIC CONTROL PLAN – STREET IMPROVEMENTS

No.	DESCRIPTION	BY	DATE

SEAL

SEAL
REGISTERED PROFESSIONAL ENGINEER
CARLOS CORRALES
No. 55432
EXP. 12-31-26
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF:

CARLOS CORRALES
02-28-25
DATE

55,432
R.C.E. No.
12-31-26
EXP. DATE

BENCH MARK

TBM 06
"+" CHIPPED ON SW COR OF INLET HEADWALL OF SIPHON IN 9TH STREET DITCH UNDER MELON AVE.
ELEV= 976.95

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CIVIL ENGINEERING • LAND SURVEYING • CONSTRUCTION MANAGEMENT SERVICES
1065 State Street
El Centro CA 92243
www.lcec-inc.com tel 760.353.8110
info@lcec-inc.com fax 760.352.6408

BENCHMARK: SEE SHEET NO. 2

PEDESTRAIN AND BICYCLE IMPROVEMENTS ON 9TH STREET
BETWEEN MELON ROAD AND OLIVE AVENUE
PROJECT NUMBER STPL-5174(034)

HOLTVILLE, CALIFORNIA

DATE 02/28/25
BY STAFF

CLIENT CITY OF HOLTVILLE
FILE NAME C24006-00TRAF
JOB NUMBER C24006-00

SHEET 12
OF: 13

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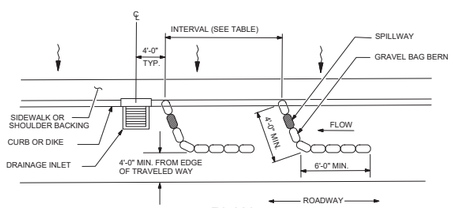
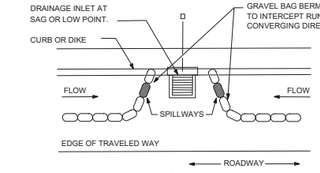
GENERAL EROSION CONTROL NOTES:

1. EROSION CONTROL MEASURES SHOWN ON THIS SHEET ARE THE MINIMUM REQUIRED. CONTRACTORS SHALL INSTALL AND MAINTAIN BEST MANAGEMENT PRACTICE (BMPS) PER THE REQUIREMENTS OF THE EROSION CONTROL PLAN. BMPS SHALL MEET INDUSTRY RECOMMENDED STANDARDS, AND IN ACCODANCE WHITH CITY OF HOLTVILLE AND OR COUNTY OM IMPERILAL STANDARDS.
2. EROSION CONTROL PLAN INCLUDES ALL POSSIBLE BMPS FOR THE CONSTRUCTION OF THIS PROJECT. CONTRACTORS SHALL APPLY APPROPRIATE BMPS FOR EACH PHASE OF CONSTRUCITON.
3. STREET SWEEPING (DURING MASS GRADING ACTIVITIES, STREETS WILL BE SWEPT AS NECESSARY TO PREVENT DIRT AND DUST FROM LEAVING THE CONSTRCUTION AREA).
4. CONTRACTORS SHALL PROVIDE ADEQUATE DUST SUPPRESSION TO MEET ALL CITY OF HOLTVILLE/COUNTY OF IMPERIAL AIR POLLUTION CONTROL DISTRICT REQUIREMENTS.
5. ALL EROSION CONTROL BEST MANAGEMENT PRACTICES SHALL MEET THE RQUIREMENTS OF THE LATEST VERSION OF CASQA.
6. 15 MPH MAX SPEED LIMIT POSTED ON SITE.
7. LAND DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECIEVED BY GOVERNING AUTHORITIES.
8. THE GENERAL CONTRACTOR SHALL STRICTLY ADHERE TO THE EROSION CONTROL PLAN (ECP) DURING CONSTRUCTION OPERATIONS. IF CONDITIONS WARRANT IT, THE ECP MAY BE MODIFIED AS LONG AS THE ORIGINAL ENVIRONMENTAL PROTECTIONS INTENDED ARE MAINTAINED.
9. NO LAND CLEARING OR GRADING SHALL BEGIN UNTIL ALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED.
10. SHOULD CONSTRUCTION STOP FOR LONGER THAN 14 DAYS, ALL NON-BASIN, EXPOSED AREAS SHALL BE SEEDED AS SPECIFIED.
11. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN (7) DAYS AND WITHIN 24 HOURS RAINFALL EXCEEDING 0.5 INCHES DURING A 24-HOUR PERIOD OR MORE FREQUENTLY IF REQUIRED BY CITY ENGINEER. ALL MAINTENANCE REQUIRED BY INSPECTION SHALL COMMENCE WITHIN 24 HOURS AND BE COMPLETED WITHIN 48 HOURS OF REPORT.
12. THIS PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE AS THE GENERAL CONTRACTORS SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE SITE.
13. GENERAL CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL ORDINANCE THAT APPLY.
14. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY THE CITY ENGINEER/RESIDENT ENGINEER UPON SITE INSPECTION.
15. DRAIN INLET PROTECTION SHALL BE PROVIDED THROUGHOUT THE DURATION OF THE PROJECT. EXISTING DRAIN INLETS SHALL BE PROTECTED UNTIL FINAL REMOVAL AND THE CONNECTING PIPE SHALL BE PROPERLY CAPPED TO PREVENT SEDIMENT FROM ENTERING THE STORM DRAIN SYSTEM.
16. GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO TAKE WHATEVER MEANS NECESSARY TO ESTABLISH PERMANENT SOIL STABILIZATION ON ANY EXPOSED AREAS WHEN THE PROJECT IS COMPLETE.

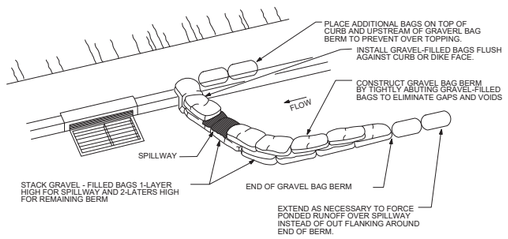


PLAN

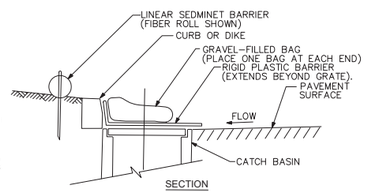


PLAN

CONFIGURATION FOR SAG POINT INLET
(GRAVEL BAG BERM)

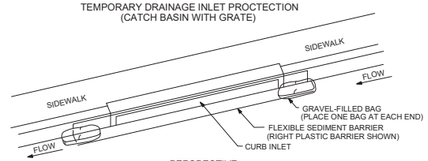


PERSPECTIVE



SECTION

TEMPORARY DRAINAGE INLET PROCTECTION
(CATCH BASIN WITH GRATE)



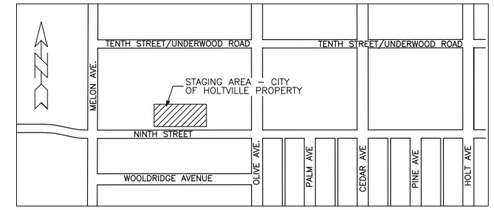
PERSPECTIVE

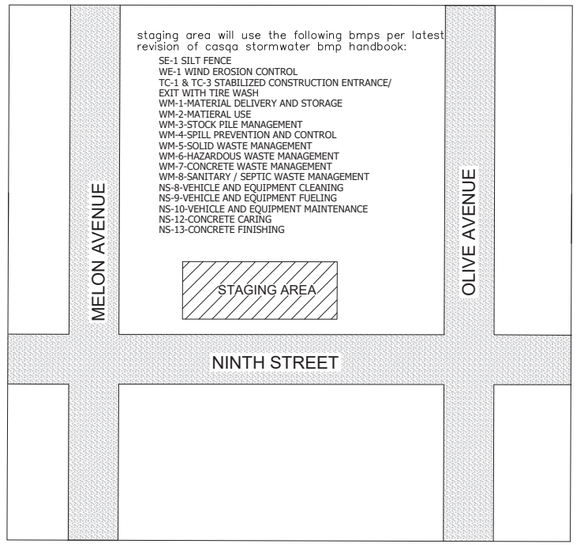
TEMPORARY DRAINAGE INLET PROCTECTION
(CURB INLET WITHOUT GATE)

TYPICAL DRAINAGE INLET PROTECTION

NOT TO SCALE

A
13 | 13





STAGING AREA DETAIL

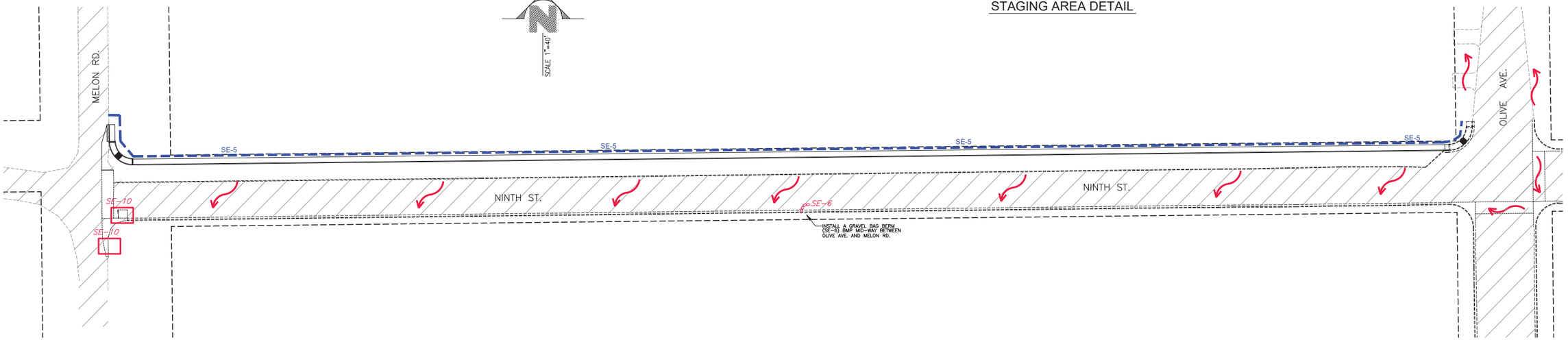
LEGEND:

SE-6	SE-6.–	GRAVEL BAG BERM
SE-10	SE-10.–	STORM DRAIN INLET PROTECTION (ON ADJACENT AREAS, EXISTING ROADS AND AS SHOWN)
EC-3	EC-3.–	HYDRAULIC MULCH
SE-5	SE-5.–	FIBER ROLLS
TC-1	TC-1.–	STABILIZED CONSTRUCTION ENTRANCE/EXIT
SE-7	SE-7.–	STREET SWEEPING AND VACUUMING (ON EXISTING ROADS AND ON NEW STREETS ONCE CONSTRUCTED)
SE-8	SE-8.–	SANDBAG BARRIER (ACROSS UNPAVED DITCHES AND STREAMS AND AS SHOWN)
EC-5	EC-5.–	SOIL BINDERS
		NATURAL FLOW PATH
		PROJECT SURFACE FLOW DIRECTION

NOTE: THE INFORMATION ON THESE DRAWINGS IS ACCURATE FOR WATER POLLUTION CONTROL PURPOSES ONLY

SOIL DISTURBANCE AREA: 38,726.83 SF (0.89 Ac.)

SCALE 1"=40'



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SHEET 13 OF: 13

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