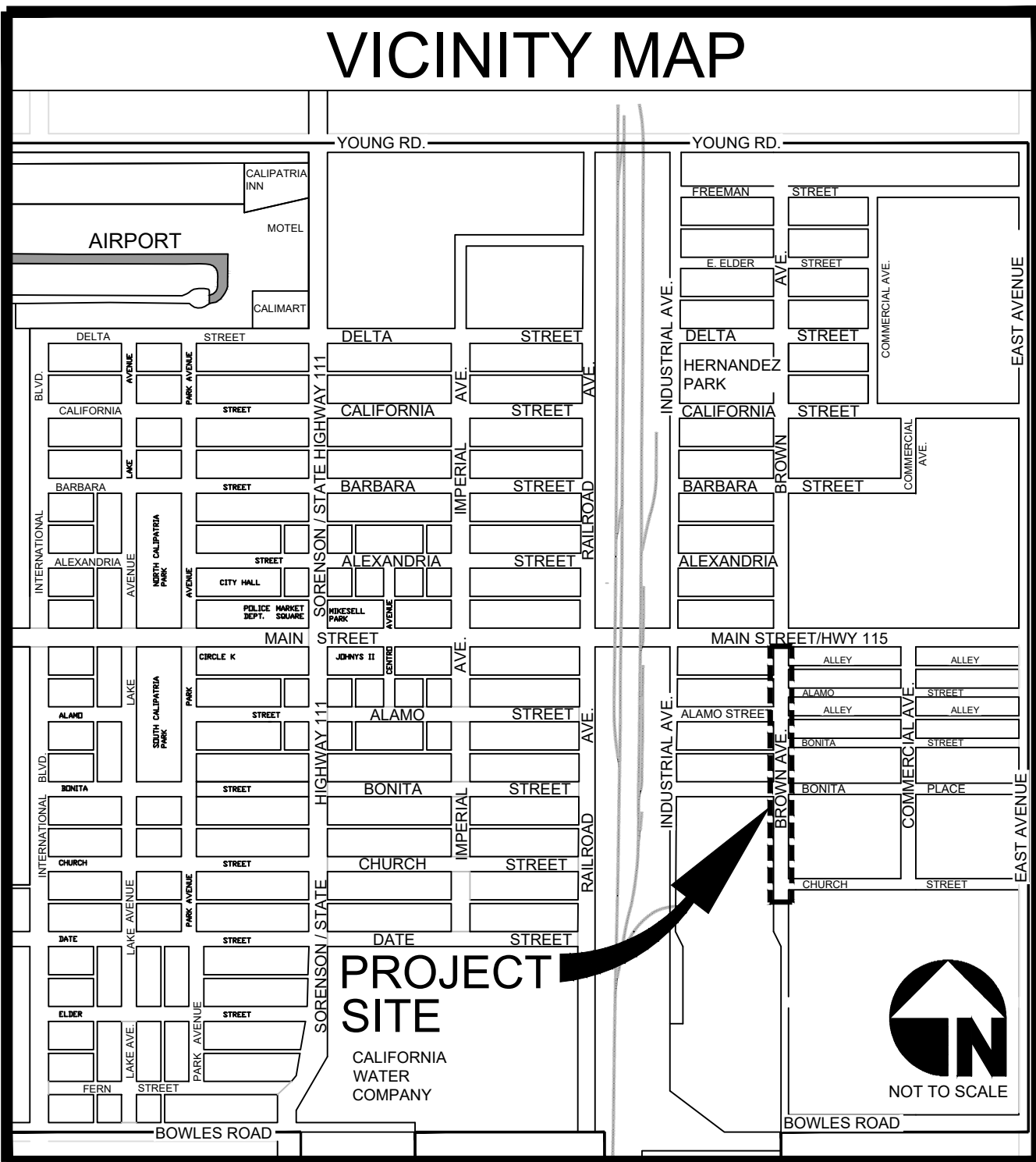


CITY OF CALIPATRIA

SOUTH BROWN AVENUE ROADWAY AND PEDESTRIAN FACILITIES IMPROVEMENT PROJECT BETWEEN MAIN STREET / STATE ROUTE 115 AND CHURCH STREET - FEDERAL AID NO. CML-5243 (018)



PROJECT DESCRIPTION

SOUTH BROWN AVENUE IMPROVEMENT PROJECT BETWEEN MAIN STREET AND CHURCH STREET CONSISTS OF CONSTRUCTION OF NEW CONCRETE CURB AND GUTTER, CROSS-GUTTERS, SIDEWALK, STORM DRAINAGE SYSTEM, AND PAVEMENT IMPROVEMENTS. THE PROPOSED ROADWAY SECTION WILL CONSIST OF 4 INCHES OF HOT MIX ASPHALT (HMA) OVER 12 INCHES OF CLASS 2 BASE WITHIN THE CITY OF CALIPATRIA RIGHT-OF-WAY. THE PROPOSED ROADWAY WIDTH WILL BE 50 FEET FROM FACE OF CURB TO FACE OF CURB THROUGH THE ENTIRE PROJECT SITE. EXISTING UTILITY ADJUSTMENT AND COORDINATION WITH VARIOUS UTILITY PURVEYORS WILL BE REQUIRED. ADDITIONAL ROADWAY IMPROVEMENTS INCLUDE THE INSTALLATION OF STREETLIGHTS, SIGNAGE, AND STRIPING TO IMPROVE THE TRAFFIC FLOW.

SOUTH BROWN AVENUE IMPROVEMENT BETWEEN MAIN STREET AND ALAMO STREET:
THE EXISTING PAVEMENT WIDTH ALONG SOUTH BROWN AVENUE IS APPROXIMATELY 30 FEET WIDE AND 320 FEET LONG BETWEEN MAIN STREET AND ALAMO STREET. CONCRETE CURB AND GUTTER, STORM DRAIN/CATCH BASINS AND PIPELINE WILL BE CONSTRUCTED TO TRANSMIT THE STORM RUNOFF TO THE EXISTING STORM DRAINAGE FACILITY. CONCRETE SIDEWALK WILL BE CONSTRUCTED ALONG BOTH SIDES OF THE ROADWAY. ADA ACCESSIBLE CURB RAMPS, CROSS-GUTTER, RESIDENTIAL DRIVEWAYS AND ALLEY ENTRANCES WILL ALSO BE CONSTRUCTED. A PORTION OF THE ROADWAY IMPROVEMENTS INCLUDING TWO (2) ADA COMPLIANT CURB RETURNS WILL BE CONSTRUCTED AT THE SOUTH INTERSECTION OF SOUTH BROWN AVENUE AND MAIN STREET WITHIN CALTRANS RIGHT-OF-WAY. THE IMPROVEMENTS WITHIN CALTRANS RIGHT-OF-WAY SHALL BE COMPLETED IN ACCORDANCE WITH THE CALTRANS ENCROACHMENT PERMIT PROVISIONS.

SOUTH BROWN AVENUE IMPROVEMENT BETWEEN ALAMO STREET AND BONITA PLACE:
THE EXISTING PAVEMENT WIDTH ALONG SOUTH BROWN AVENUE VARIES FROM 40 FEET TO 25 FEET AND MEASURES 500 FEET LONG BETWEEN ALAMO STREET AND CHURCH STREET. THERE IS EXISTING STORM DRAINAGE FACILITY FRONTING THE AGRICULTURAL PACKING/SHIPPING BUSINESS ALONG THE WEST SIDE OF SOUTH BROWN AVENUE. CONCRETE CROSS-GUTTER AND ADA ACCESSIBLE CURB RAMPS WILL BE CONSTRUCTED AT THE INTERSECTION OF SOUTH BROWN AVENUE AND CHURCH STREET. THE PROPOSED ROADWAY TAPER DOWN TO THE EXISTING ROADWAY SECTION SOUTH OF CHURCH STREET. CONCRETE CURB AND GUTTER AND SIDEWALK WILL ONLY BE CONSTRUCTED ALONG THE EAST SIDE OF ROADWAY. STORM DRAIN/CATCH BASINS AND PIPELINE WILL BE CONSTRUCTED TO TRANSMIT STORM RUNOFF ALONG BOTH SIDES OF THE ROADWAY. CONCRETE RESIDENTIAL/COMMERCIAL DRIVEWAYS AND ALLEY ENTRANCES WILL ALSO BE CONSTRUCTED.

SOUTH BROWN AVENUE IMPROVEMENT BETWEEN BONITA PLACE AND CHURCH STREET:
THE EXISTING PAVEMENT WIDTH ALONG SOUTH BROWN AVENUE VARIES FROM 40 FEET TO 25 FEET AND MEASURES 500 FEET LONG BETWEEN BONITA PLACE AND CHURCH STREET. THERE IS EXISTING STORM DRAINAGE FACILITY FRONTING THE AGRICULTURAL PACKING/SHIPPING BUSINESS ALONG THE WEST SIDE OF SOUTH BROWN AVENUE. CONCRETE CROSS-GUTTER AND ADA ACCESSIBLE CURB RAMPS WILL BE CONSTRUCTED AT THE INTERSECTION OF SOUTH BROWN AVENUE AND CHURCH STREET. THE PROPOSED ROADWAY TAPER DOWN TO THE EXISTING ROADWAY SECTION SOUTH OF CHURCH STREET. CONCRETE CURB AND GUTTER AND SIDEWALK WILL ONLY BE CONSTRUCTED ALONG THE EAST SIDE OF ROADWAY. STORM DRAIN/CATCH BASINS AND PIPELINE WILL BE CONSTRUCTED TO TRANSMIT STORM RUNOFF ALONG BOTH SIDES OF THE ROADWAY. CONCRETE RESIDENTIAL/COMMERCIAL DRIVEWAYS AND ALLEY ENTRANCES WILL ALSO BE CONSTRUCTED.



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UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

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 CALIPATRIA APPEARS BELOW:

A. ZITO MEDIA
P. O. BOX 336
2455 STIRRUP ROAD
BORRERO SPRINGS, CA 92204
PHONE: (760) 525-8786
CONTACT: OMAR CESENA

B. SOUTHERN CALIFORNIA GAS COMPANY
PLANNING DEPARTMENT
1981 W. LUGONIA AVENUE
REDLANDS, CA 92374
PHONE: (909) 335-7716
CONTACT: MIKE JACOB

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

D. IMPERIAL IRRIGATION DISTRICT - POWER DIVISION
1699 WEST MAIN STREET, SUITE A
EL CENTRO, CA 92243
PHONE: (760) 482-3406
CONTACT: ALFRED ORNELAS

E. GOLDEN STATE WATER COMPANY
631 SOUTH SORENSON AVENUE
CALIPATRIA, CA 92233
PHONE: (760) 455-3439
CONTACT: DAVID GODSEY
EMAIL: DAVIDGODSEY@GSWATER.COM

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

G. CITY OF CALIPATRIA
125 N. PARK AVENUE
CALIPATRIA, CA 92233
PHONE: (760) 348-4141
CONTACT: EDDIE SELF

H. UNDERGROUND SERVICE ALERT
PHONE: 811

I. CR&R WASTE & RECYCLING SERVICES
11292 WESTERN AVENUE
STANTON, CA 90680
PHONE: (714) 826-9049 EXT. 2452
FAX: (714) 890-0961
CONTACT: ARACELI SOLANO
EMAIL: ASOLANO@CRR.MAIL.COM

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" MODIFICATIONS.

3. DUST CONTROL:

THE CONTRACTOR SHALL MAKE SPECIAL EFFORTS 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. AT THE CONCLUSION OF THE PROJECT, THE CONTRACTOR SHALL SWEEP THE STREETS, CURB AND GUTTER, CURB RETURNS, DRIVEWAY ENTRANCES AND SIDEWALKS TO REMOVE ALL LOOSE DIRT AND DUST RESULTING FROM THE CONSTRUCTION OPERATIONS.

4. CODES AND REGULATIONS:

ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH APPLICABLE CODES, ORDINANCES AND REGULATIONS OF THE CITY OF CALIPATRIA, 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 FOLLOWINGS: 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); CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION; CITY OF CALIPATRIA ORDINANCES AND CITY OF CALIPATRIA STANDARD DETAILS AND SPECIFICATIONS DATED JUNE 13, 2006. 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.

GENERAL NOTES

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 DESIGN 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 AND A BUSINESS LICENSE FROM THE CITY OF CALIPATRIA. THE CONTRACTOR SHALL NOTIFY THE CITY OF CALIPATRIA AND THE CITY ENGINEER AT LEAST 72 HOURS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL INCLUDE ALL EXPENSES ASSOCIATED WITH THE PERMITS AND CALIPATRIA BUSINESS LICENSE IN THE PROPOSAL TO THE CITY OF CALIPATRIA.

7. TRAFFIC CONTROL:

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 NOTIFICATION 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, BUSINESS 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.

DELTA STREET SHALL BE CLOSED TO TRAFFIC DURING THE CONSTRUCTION PERIOD EXCEPT ACCESS TO RESIDENCES. THE CONTRACTOR SHALL ADVISE THE STREET CLOSURE IN LOCAL NEWSPAPERS FOURTEEN DAYS PRIOR TO CLOSING THE STREET. TRAFFIC CONTROL SIGNS INDICATING THE STREET NAME AND DATE OF STREET CLOSURE SHALL BE PLACED AT EACH END OF THE STREET ONE (1) DAY 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 ACCORDING 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, THE CONTRACTOR SHALL MAINTAIN LIGHTED BARRICADES ALONG THE LENGTH OF THE CONCRETE FACILITIES TO PROHIBIT PEDESTRIAN TRAFFIC OR VEHICULAR TRAFFIC FROM UTILIZING THE NEW CONCRETE FACILITIES UNTIL THE CURING PROCESS IS COMPLETE OR ENTERING OPEN EXCAVATIONS. THE LIGHTED BARRICADES SPECIFICATIONS SHALL CONFORM TO CALIFORNIA MUTCD REQUIREMENTS. 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 TO THE CITY OF CALIPATRIA.

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. COORDINATION OF INSPECTION SERVICES:

THE CONTRACTOR SHALL ARRANGE FOR INSPECTIONS FOR THIS PROJECT WITH THE CITY OF CALIPATRIA ENGINEERING CONSULTANT AT (760) 337-3883 A MINIMUM OF 72 HOURS IN ADVANCE OF THE REQUESTED INSPECTION. IN THE EVENT THE CONTRACTOR OR SUBCONTRACTOR DECLINES THE INSPECTION AT THE PRE-ARRANGED TIME AND DATE OF INSPECTION, THE CONTRACTOR SHALL BE CHARGED THE CURRENT HOURLY RATE OF THE CITY ENGINEER PERSONNEL FROM THE TIME THE PERSONNEL LEAVES THE CITY ENGINEER'S OFFICE UNTIL THE TIME THE PERSONNEL RETURNS TO THE CITY ENGINEER'S OFFICE.

14. PUMPING OF NATIVE SOIL:

DURING GRADING OPERATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING EQUIPMENT THAT WILL NOT CAUSE "PUMPING" OF THE SOIL DUE TO THE DEPTH OF GROUNDWATER PRIOR TO CONSTRUCTION.

15. REQUIREMENTS OF CONTRACTORS AND SUBCONTRACTORS:

ALL CONTRACTORS AND SUBCONTRACTORS PARTICIPATING ON THIS PROJECT SHALL BE LICENSED BY THE STATE OF CALIFORNIA, HAVE A CITY BUSINESS LICENSE AND SHALL FILE A CERTIFICATE OF WORKMENS' COMPENSATION WITH THE CITY OF CALIPATRIA PRIOR TO THE START OF CONSTRUCTION.

16. PRE-CONSTRUCTION CONFERENCE:

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

ABBREVIATIONS

AGG.	AGGREGATE	LIP.	LIP OF CURB IN DRIVEWAYS
APP.	APPROXIMATE	LOC.	LIMIT OF CONSTRUCTION
A.C.P.	ASBESTOS CEMENT PIPE	M.H.	MANHOLE
A.C.	ASPHALT CONCRETE	MAX.	MAXIMUM
AWWA	AMERICAN WATER WORKS ASSOCIATION	MIN.	MINIMUM
B.C.	BEGINNING OF CURVE RADIUS	MISC.	MISCELLANEOUS
BLD.	BUILDING	N.T.S.	NOT TO SCALE
B.V.	BUTTERFLY VALVE	NS	NATIVE SURFACE
C.	CHORD	O.C.	ON CENTER
C.I.	CAST IRON	O.D.	OUTSIDE DIAMETER
C.B.	CATCH BASIN	OHE	OVERHEAD ELECTRICAL LINE
C&G	CURB AND GUTTER	PAD	PAD ELEVATION
C.M.C.	CEMENT MORTAR COATED	%	PERCENT
C.M.L.	CEMENT MORTAR LINED	P.I.G.	POINT OF INTERSECTING GRADES
C.	CENTERLINE	P.I.T.	POINT OF INFLECTION
D.G.	DECOMPOSED GRANITE	P.V.C.	POLY VINYL CHLORIDE
DIA.	DIAMETER	P.C.C.	PORTLAND CONCRETE CEMENT
DI	DUCTILE IRON	P.P.	POWER POLE
DW	DRIVEWAY	R.	RADIUS
A	DELTA	R.C.P.	REINFORCED CONCRETE PIPE
E.P.	EDGE OF PAVEMENT	ROW	RIGHT-OF-WAY
EL	ELEVATION	SW	SIDEWALK
E.C.	END OF CURVE RADIUS	S.	SLOPE
F.F.	FINISH FLOOR ELEVATION	S.D.	STORM DRAIN
F.	FLOWLINE	SS	SANITARY SEWER
F.S.	FINISH SURFACE	STA	STATION
G.B.	GRADE BREAK	TANGENT	TANGENT
G.V.	GATE VALVE	T.C.	TOP OF P.C.C. CURB
H.B.	HOSE BIB	T.C.C.	TOP OF CONCRETE
I.D.	INSIDE DIAMETER	T.M.H.	TOP OF MANHOLE
INV.	INVERT	T.P.	TOP OF PAVEMENT
L.	LENGTH	TYP.	TYPICAL
		VCP	VITRIFIED CLAY PIPE

APPROVED FOR THE CITY OF CALIPATRIA

BY:

LAURA GUTIERREZ
CITY MANAGER

DATE

CITY COUNCIL

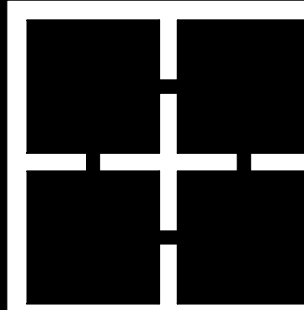
MICHAEL LUELLEN	MAYOR
JAVIER AMEZCUA	MAYOR PROTEM
FRED BELTRAN	COUNCIL MEMBER
SYLVIA CHAVEZ	COUNCIL MEMBER
JESSE RIVAS	COUNCIL MEMBER

CITY STAFF

LAURA GUTIERREZ	CITY MANAGER
JANE HURTADO	CITY CLERK
EDDIE SELF	PUBLIC WORKS DIR.
JESSE LLANAS	FIRE CHIEF
CHERYL FOWLER	POLICE CHIEF
GILBERT G. OTERO	CITY ATTORNEY

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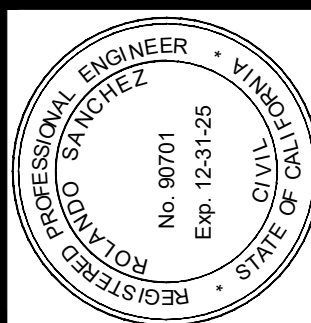


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PREPARED UNDER THE DIRECT SUPERVISION OF:

09/01
R.C.E. No.
12/31/25
REG. EXP.



PROJECT TITLE: CITY OF CALIPATRIA -
SOUTH BROWN AVENUE ROADWAY AND PEDESTRIAN FACILITIES IMPROVEMENT
PROJECT BETWEEN MAIN STREET / STATE ROUTE 115 AND CHURCH STREET

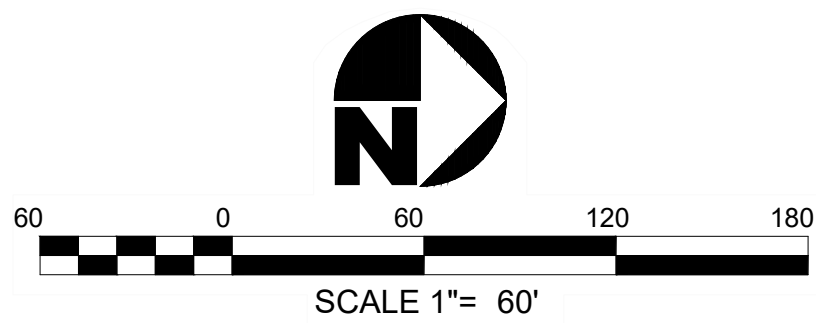
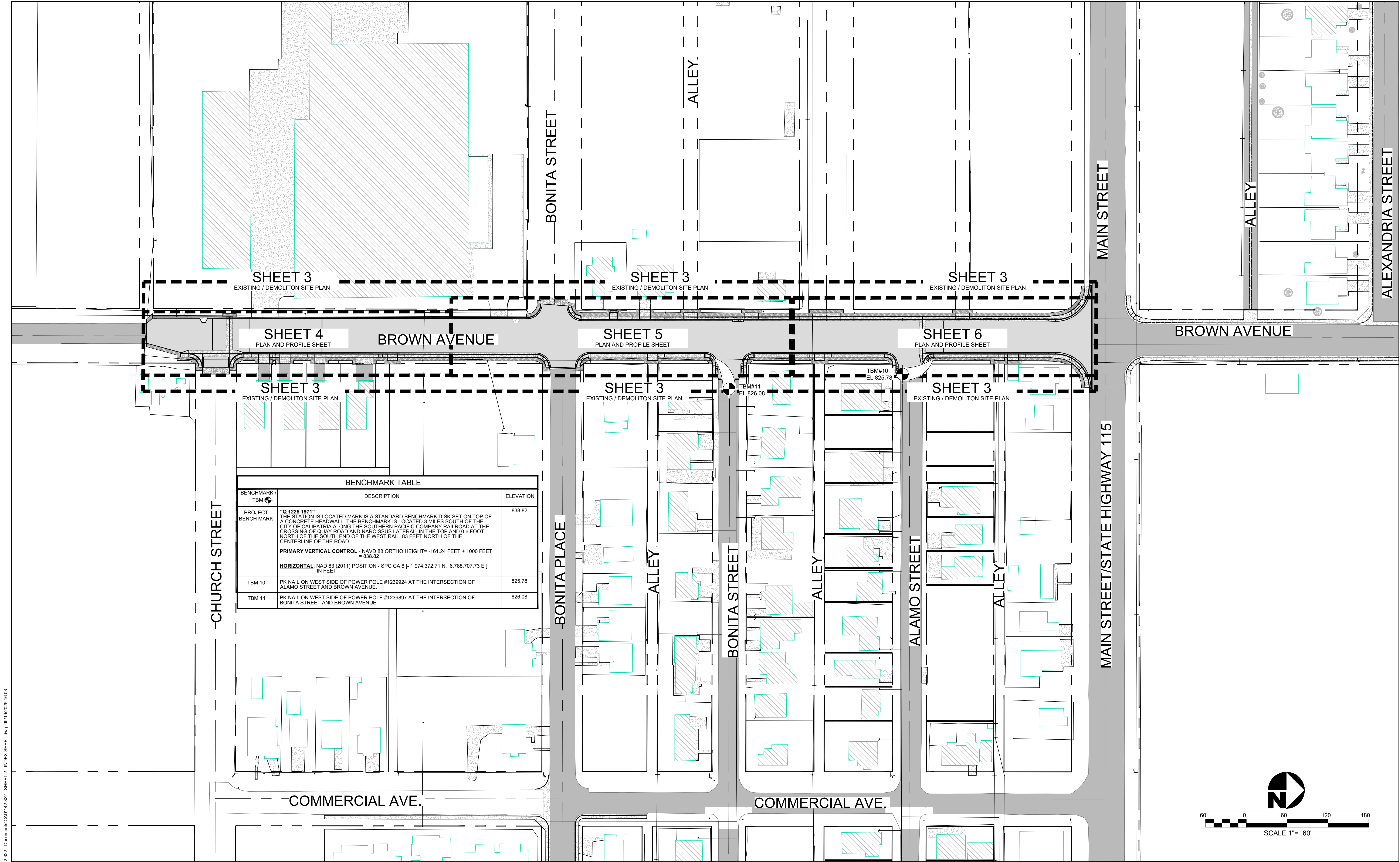
PROJECT NUMBER: 142-322

SHEET CONTENT: TITLE SHEET

DESIGN BY: RSN
DRAWN BY: RSN,CG,JM
CHK'D BY: J.G.H.

SHEET
No. 1
OF
15 SHEETS

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DESIGN BY:
RSN
DRAWN BY:
RSN, AD, JM, CG
CHECKED BY:
RSN

PROJECT BENCH MARK:
"Q 1225 1971" THE STATION IS LOCATED MARK IS A STANDARD BENCHMARK DISK SET ON TOP OF A CONCRETE HEADWALL. THE BENCHMARK IS LOCATED 3 MILES SOUTH OF THE CITY OF CALIPATRIA ALONG THE SOUTHERN PACIFIC COMPANY RAILROAD AT THE CROSSING OF QUAY ROAD AND NARCISSUS LATERAL. IN THE TOP AND 0.6 FOOT NORTH OF THE SOUTH END OF THE WEST RAIL, 83 FEET NORTH OF THE CENTERLINE OF THE ROAD.
EL. 838.82



PREPARED UNDER THE DIRECT SUPERVISION OF:

ROLANDO SANCHEZ
05/19/2025
DATE

90701
R.C.E. NO.
12/31/25
REG. EXP.

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FACILITIES IMPROVEMENT PROJECT BETWEEN MAIN
STREET / STATE ROUTE 115 AND CHURCH AVENUE
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VERTICAL CONTROL TABLE

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RSN

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PREPARED UNDER THE DIRECT SUPERVISION OF:

[Signature]
ROLANDO SANCHEZ

05/19/2025
DATE

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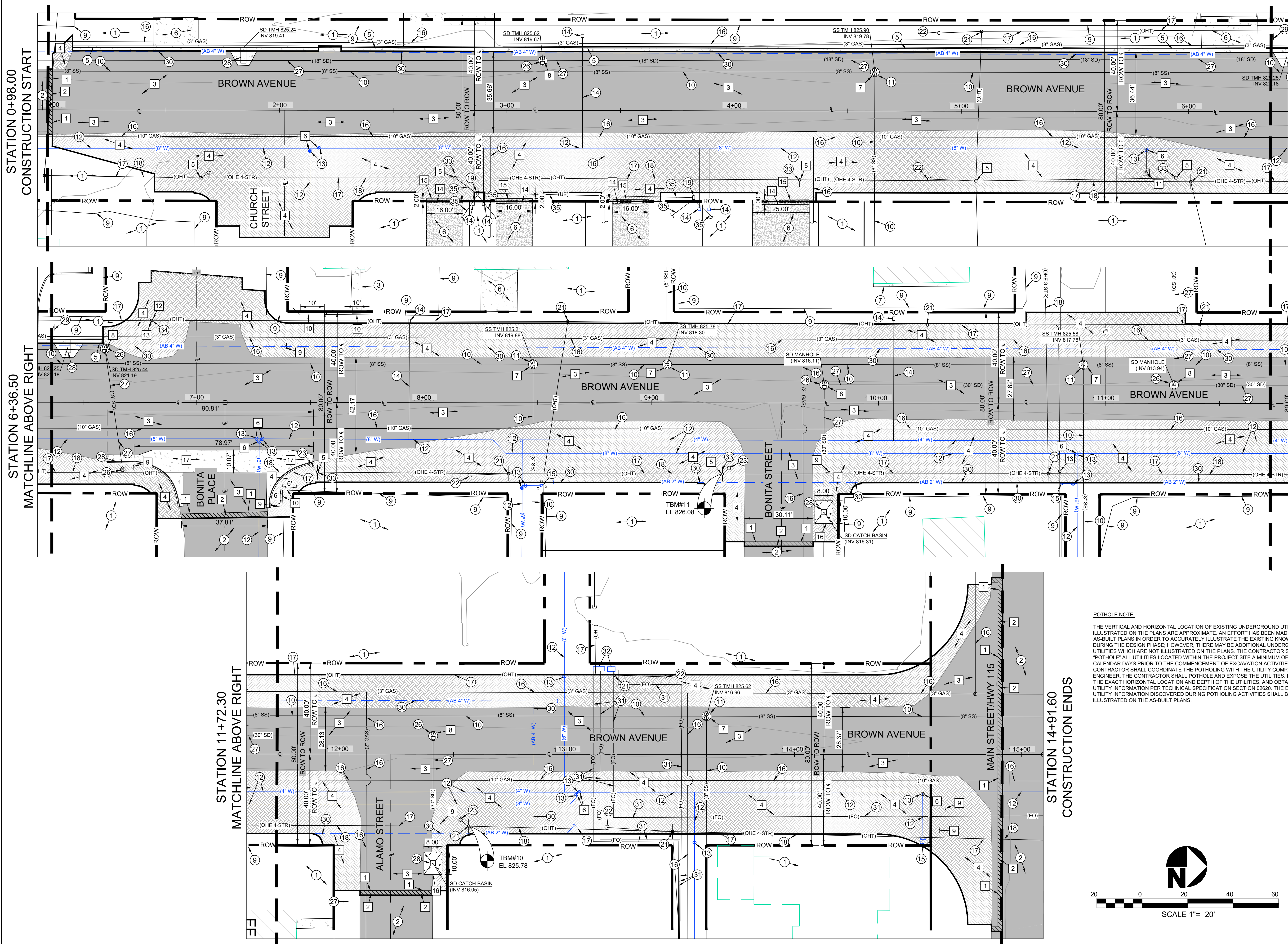
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SHEET CONTENT:
SOUTH BROWN AVENUE
EXISTING/DEMOLITION SITE PLAN

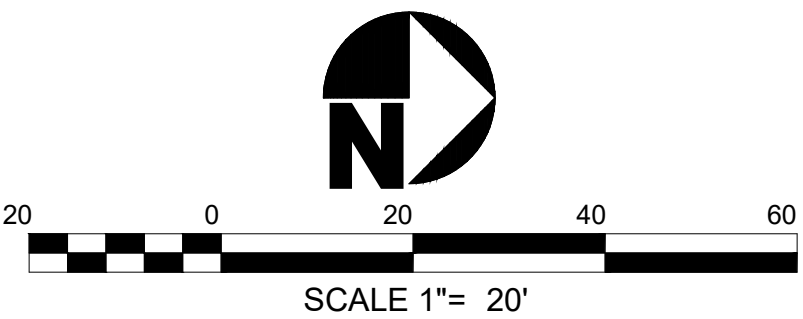
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OF 15 SHEETS

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142.322



POTHOLE NOTE:

THE VERTICAL AND HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES ILLUSTRATED ON THE PLANS ARE APPROXIMATE. AN EFFORT HAS BEEN MADE TO OBTAIN AS-BUILT PLANS IN ORDER TO ACCURATELY ILLUSTRATE THE EXISTING KNOWN UTILITIES DURING THE DESIGN PHASE. HOWEVER, THERE MAY BE ADDITIONAL UNDERGROUND UTILITIES WHICH ARE NOT ILLUSTRATED ON THE PLANS. THE CONTRACTOR SHALL "POTHOLE" ALL UTILITIES LOCATED WITHIN THE PROJECT SITE A MINIMUM OF SEVEN (7) CALENDAR DAYS PRIOR TO THE COMMENCEMENT OF EXCAVATION ACTIVITIES. THE CONTRACTOR SHALL COORDINATE THE POTHOLING WITH THE UTILITY COMPANIES AND ENGINEER. THE CONTRACTOR SHALL POTHOLE AND EXPOSE THE UTILITIES, DETERMINE THE EXACT HORIZONTAL LOCATION AND DEPTH OF THE UTILITIES, AND OBTAIN OTHER UTILITY INFORMATION PER TECHNICAL SPECIFICATION SECTION 02620. THE EXISTING UTILITY INFORMATION DISCOVERED DURING POTHOLING ACTIVITIES SHALL BE ILLUSTRATED ON THE AS-BUILT PLANS.

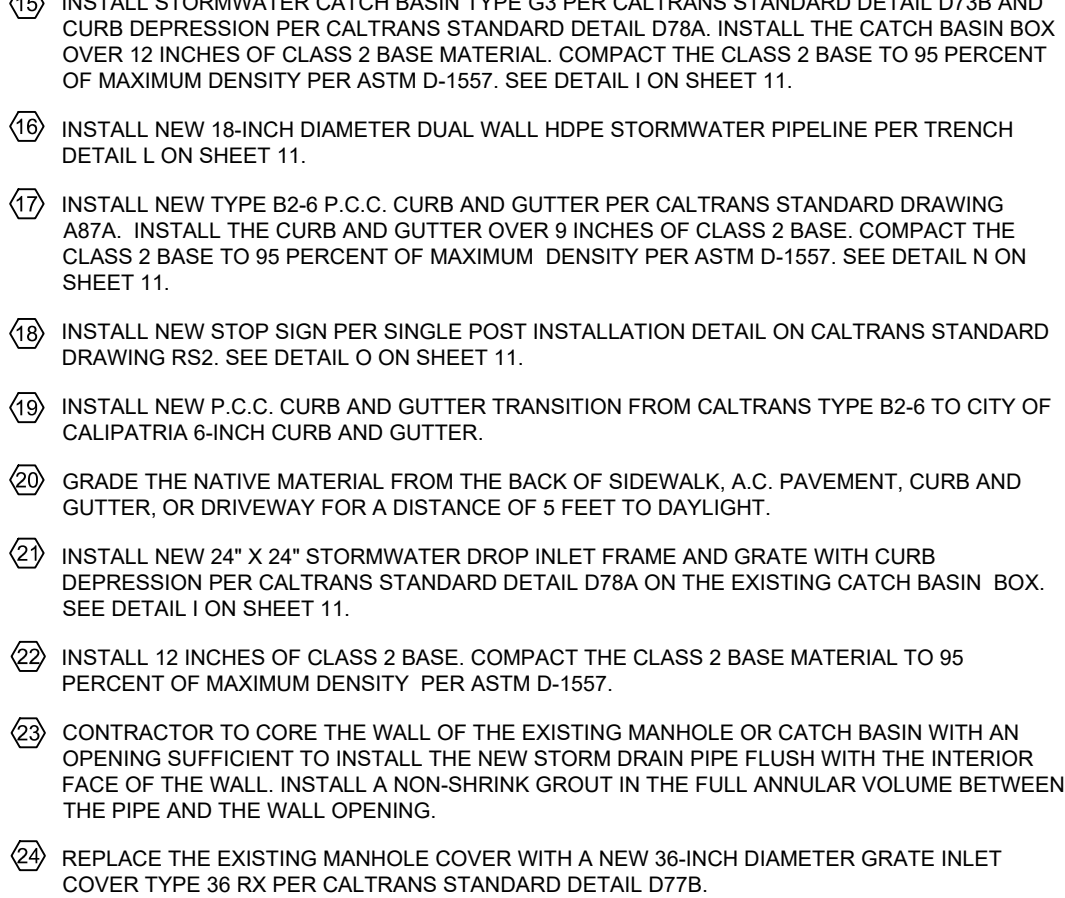
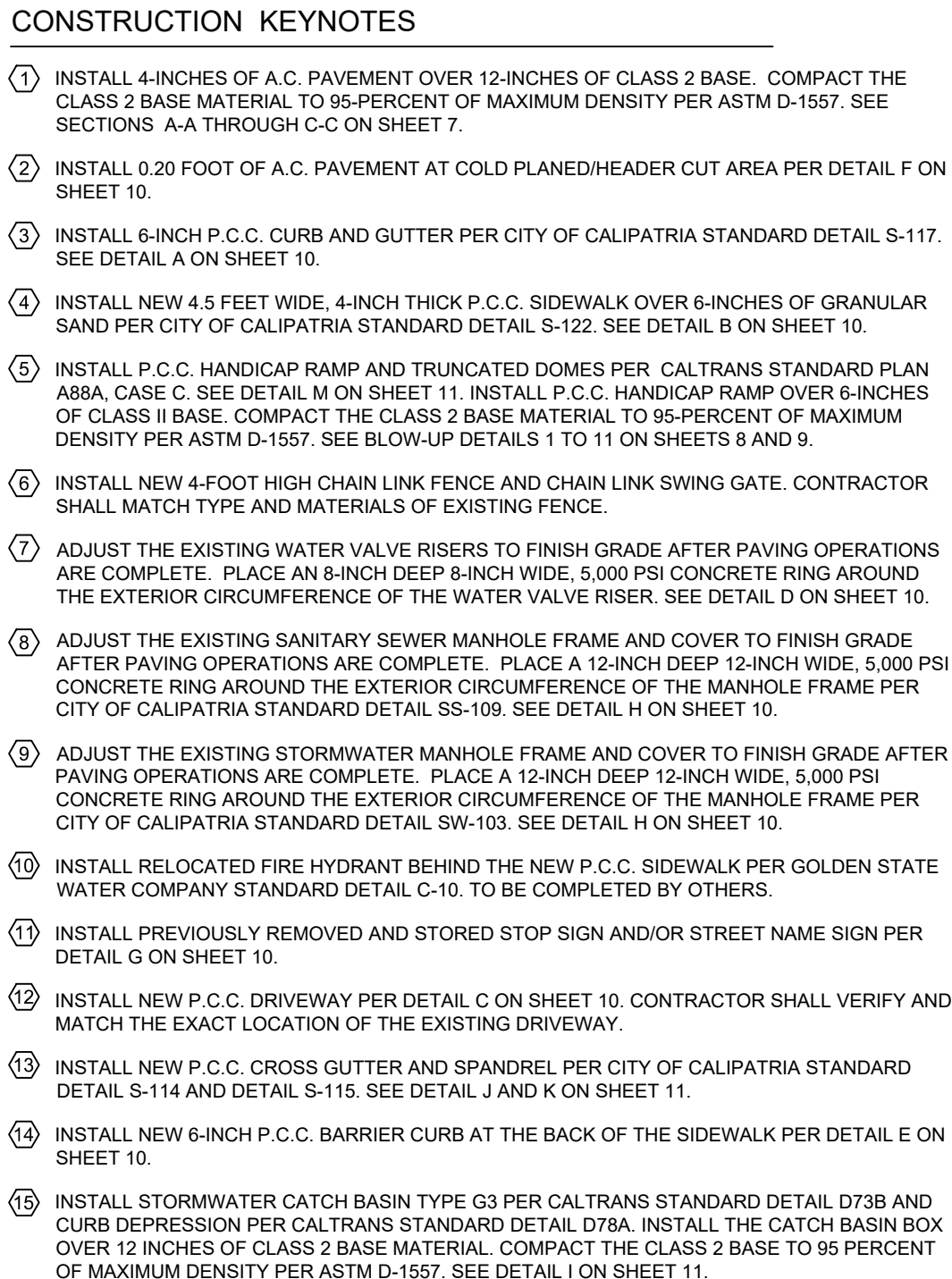


EXISTING KEYNOTES

- EXISTING NATIVE MATERIAL TO REMAIN.
- EXISTING A.C. PAVEMENT TO REMAIN.
- EXISTING P.C.C. SIDEWALK TO REMAIN.
- EXISTING P.C.C. HANDICAP RAMP TO REMAIN.
- EXISTING P.C.C. CURB AND GUTTER TO REMAIN.
- EXISTING P.C.C. DRIVEWAY TO REMAIN.
- EXISTING P.C.C. SLAB TO REMAIN.
- EXISTING P.C.C. BARRIER CURB TO REMAIN.
- EXISTING CHAIN LINK FENCE TO REMAIN.
- EXISTING SANITARY SEWER PIPELINE TO REMAIN.
- EXISTING SANITARY SEWER MANHOLE TO REMAIN.
- EXISTING WATER PIPELINE TO REMAIN.
- EXISTING WATER VALVE TO REMAIN.
- EXISTING WATER METER TO REMAIN.
- EXISTING FIRE HYDRANT TO REMAIN.
- EXISTING GAS PIPELINE TO REMAIN.
- EXISTING OVERHEAD TELEPHONE LINES.
- EXISTING OVERHEAD ELECTRICAL LINES.
- EXISTING ELECTRICAL BOX TO REMAIN.
- EXISTING ELECTRICAL TRANSFORMER TO REMAIN.
- EXISTING POWER AND/OR TELEPHONE POLE TO REMAIN.
- EXISTING GUY WIRE TO REMAIN.
- EXISTING STREET LIGHT TO REMAIN.
- EXISTING STREET NAME SIGN TO REMAIN.
- EXISTING STOP SIGN TO REMAIN.
- EXISTING STORMWATER MANHOLE TO REMAIN.
- EXISTING STORMWATER PIPELINE TO REMAIN.
- EXISTING STORMWATER CATCH BASIN TO REMAIN.
- EXISTING POLE MOUNTED SIGN TO REMAIN.
- EXISTING ABANDONED WATER PIPELINE TO REMAIN.
- EXISTING FIBER OPTIC LINE TO REMAIN.
- EXISTING FIBER OPTIC BOX TO REMAIN.
- EXISTING POWER POLE TO BE RELOCATED BY OTHERS.
- EXISTING TELEPHONE POLE TO BE RELOCATED BY OTHERS.
- EXISTING UNDERGROUND ELECTRICAL CONDUIT TO REMAIN.

DEMOLITION KEYNOTES

- SAWCUT THE EXISTING A.C. PAVEMENT FOR THE FULL DEPTH OF THE A.C. PAVEMENT.
- COLD PLANE EXISTING A.C. PAVEMENT FOR A DEPTH OF 0.20" MIN. PER DETAIL F ON SHEET 10. CONTRACTOR SHALL DISPOSE OF GRINDINGS.
- REMOVE AND DISPOSE OF EXISTING A.C. PAVEMENT AND UNDERLYING MATERIAL TO SUBBASE DESIGN GRADE. INCLUDING ADDITIONAL 3-INCH LAYER OF A.C. PAVEMENT FOUND BENEATH THE EXISTING TOP LAYER OF PAVEMENT AND BASE.
- REMOVE AND DISPOSE OF EXISTING NATIVE MATERIAL TO SUBBASE DESIGN GRADE.
- RELOCATE THE EXISTING POWER POLE. SEE PLAN AND PROFILE SHEETS 4 TO 6 FOR PROPOSED NEW LOCATION BY OTHERS.
- CONTRACTOR TO LOWER THE EXISTING WATER VALVE RISER TO 0.3' BELOW FINISH GRADE PRIOR TO PAVING ACTIVITIES.
- CONTRACTOR TO LOWER THE EXISTING SANITARY SEWER MANHOLE FRAME AND COVER TO 0.3' BELOW FINISH GRADE PRIOR TO PAVING ACTIVITIES.
- CONTRACTOR TO LOWER THE EXISTING STORMWATER MANHOLE FRAME AND COVER TO 0.3' BELOW FINISH GRADE PRIOR TO PAVING ACTIVITIES.
- REMOVE AND TEMPORARILY STORE THE EXISTING STOP SIGN AND STREET NAME SIGNS TO BE RELOCATED.
- REMOVE AND DISPOSE OF EXISTING 4-FOOT HIGH CHAIN-LINK FENCE AND/OR SWING GATE.
- RELOCATE THE EXISTING FIRE HYDRANT ASSEMBLY TO A LOCATION BEHIND THE NEW P.C.C. SIDEWALK PER GOLDEN STATE WATER COMPANY STD. DETAIL C-10 BY OTHERS.
- REMOVE AND DISPOSE OF EXISTING STOP SIGN MOUNTED ON THE EXISTING POWER POLE.
- RELOCATE THE EXISTING TELEPHONE POLE. SEE PLAN AND PROFILE SHEETS 4 TO 6 FOR PROPOSED NEW LOCATION BY OTHERS.
- SAWCUT THE EXISTING P.C.C. DRIVEWAY FOR THE FULL DEPTH. CONTRACTOR SHALL SAWCUT THE DRIVEWAY AS REQUIRED TO ACHIEVE A MAXIMUM 9.67 PERCENT SLOPE ON THE NEW P.C.C. DRIVEWAY TO BE INSTALLED.
- REMOVE AND DISPOSE OF THE EXISTING P.C.C. DRIVEWAY AND UNDERLYING MATERIAL TO SUB-BASE DESIGN ELEVATION.
- REMOVE AND DISPOSE OF EXISTING P.C.C. CONCRETE APRON, INLET GRATE AND FRAME.
- REMOVE AND DISPOSE OF EXISTING P.C.C. CROSS-GUTTER AND SPANDRELL AND UNDERLYING MATERIAL TO SUB-BASE DESIGN GRADE.



PROJECT TITLE: CITY OF CALIPATRIA
SOUTH BROWN AVENUE ROADWAY AND PEDESTRIAN
FACILITIES IMPROVEMENT PROJECT BETWEEN MAIN
STREET / STATE ROUTE 115 AND CHURCH AVENUE

SHEET CONTENT:
SOUTH BROWN AVENUE IMPROVEMENT
PLANS FROM STATION 1+00 TO STATION 5+50

SHEET
4
OF 15 SHEETS
JOB NO. 142.322

EL CENTRO OFFICE 1601 N. Imperial Ave. El Centro, CA 92243 (760) 337-3883	BLYTHE OFFICE 201 E. Hobsonway Blythe, CA 92225 (760) 922-4658
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UNAUTHORIZED CHANGES & USES: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

DESIGN BY:

RSN

DRAWN BY:

RSN, AD, JM , CG

CHECKED BY:

PROJECT BENCHMARK:

"Q 1225 1971"
THE STATION IS LOCATED MARK IS A STANDARD BENCHMARK DISK SET ON TOP OF A CONCRETE HEADWALL. THE BENCHMARK IS LOCATED 3 MILES SOUTH OF THE CITY OF CALIPATRIA ALONG THE NORTHERN PACIFIC COMPANY RAILROAD AT THE CROSSING OF QUAY ROAD AND NARCISUUS LATERAL. IN THE TOP AND 0.6 FOOT NORTH OF THE SOUTH END OF THE WEST RAIL, 83 FEET NORTH OF THE CENTERLINE OF THE ROAD.

EL. 838.82



PREPARED UNDER THE DIRECT SUPERVISION OF:



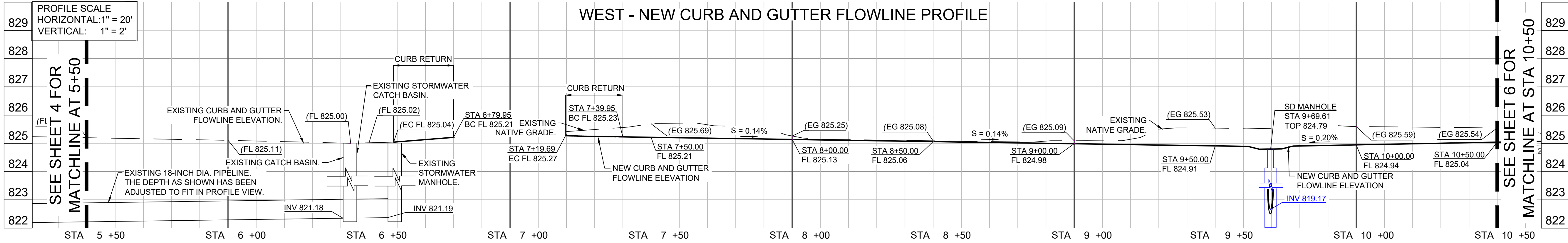
ROLANDO SANCHEZ

05/19/2025

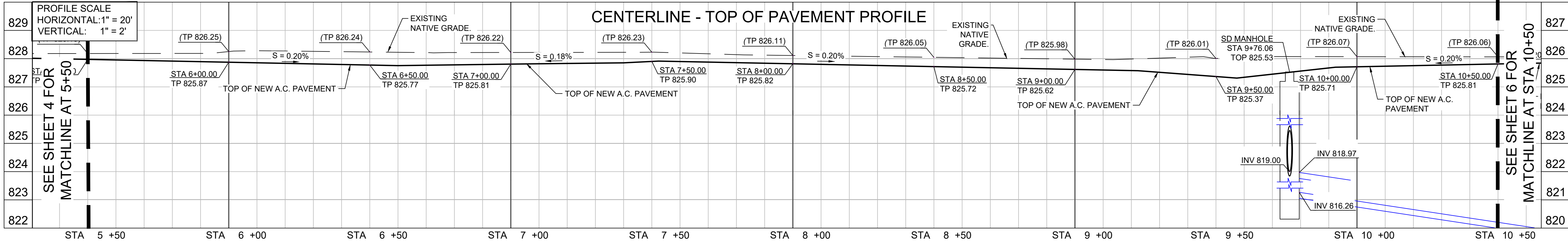
DATE

90701
R.C.E. NO.
12/31/25
REG. EXP.

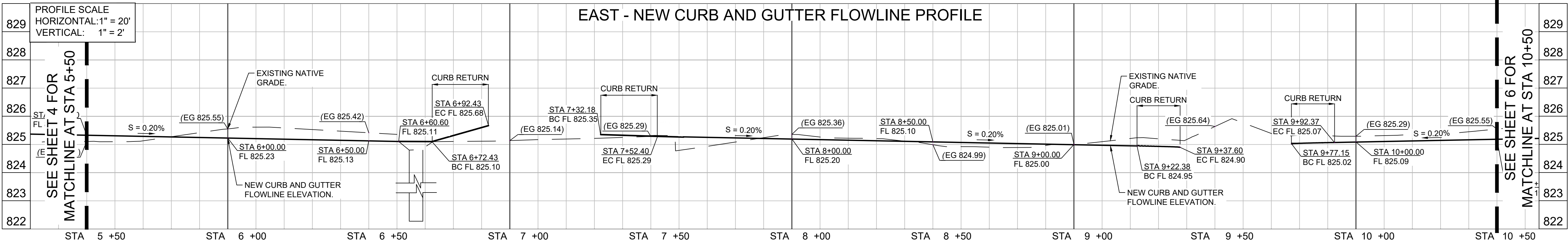
WEST - NEW CURB AND GUTTER FLOWLINE PROFILE



CENTERLINE - TOP OF PAVEMENT PROFILE



EAST - NEW CURB AND GUTTER FLOWLINE PROFILE



EXISTING KEYNOTES

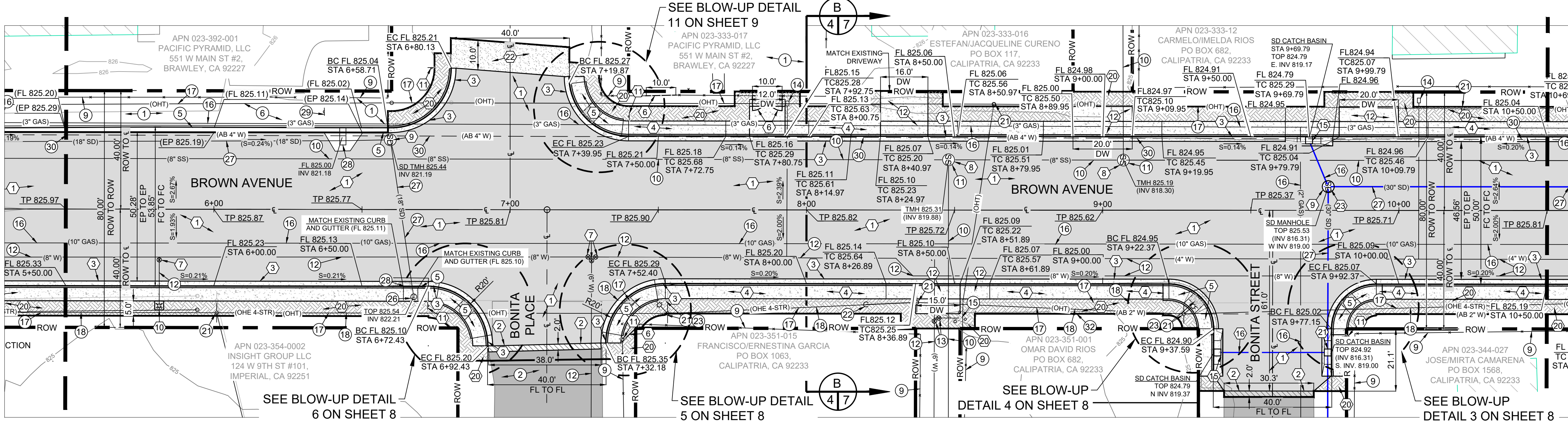
- EXISTING NATIVE MATERIAL TO REMAIN.
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- EXISTING UNDERGROUND ELECTRICAL CONDUIT TO REMAIN.

CONSTRUCTION KEYNOTES

- INSTALL 4-INCHES OF A.C. PAVEMENT OVER 12-INCHES OF CLASS 2 BASE. COMPACT THE CLASS 2 BASE MATERIAL TO 95-PERCENT OF MAXIMUM DENSITY PER ASTM D-1557. SEE SECTIONS A-A THROUGH C-C ON SHEET 7.
- INSTALL 0.20 FOOT OF A.C. PAVEMENT AT COLD PLANE/HEADER CUT AREA PER DETAIL F ON SHEET 10.
- INSTALL 6-INCH P.C.C. CURB AND GUTTER PER CITY OF CALIPATRIA STANDARD S-117. SEE DETAIL A ON SHEET 10.
- INSTALL NEW 4.5 FEET WIDE, 4-INCH THICK P.C.C. SIDEWALK OVER 6-INCHES OF GRANULAR SAND PER CITY OF CALIPATRIA STANDARD DETAIL S-122. SEE DETAIL B ON SHEET 10.
- INSTALL P.C.C. HANDICAP RAMP AND TRUNCATED DOMES PER CALTRANS STANDARD PLAN A88A, CASE C. SEE DETAIL M ON SHEET 11. INSTALL P.C.C. HANDICAP RAMP OVER 6-INCHES OF CLASS II BASE. COMPACT THE CLASS 2 BASE MATERIAL TO 95-PERCENT OF MAXIMUM DENSITY PER ASTM D-1557. SEE BLOW-UP DETAILS I TO J ON SHEETS 8 AND 9.
- INSTALL NEW 4-FOOT HIGH CHAIN LINK FENCE AND CHAIN LINK SWING GATE. CONTRACTOR SHALL MATCH TYPE AND MATERIALS OF EXISTING FENCE.
- ADJUST THE EXISTING WATER VALVE RISERS TO FINISH GRADE AFTER PAVING OPERATIONS ARE COMPLETE. PLACE AN 8-INCH DEEP 6-INCH WIDE, 5,000 PSI CONCRETE RING AROUND THE EXTERIOR CIRCUMFERENCE OF THE WATER VALVE RISER. SEE DETAIL D ON SHEET 10.
- ADJUST THE EXISTING SANITARY SEWER MANHOLE FRAME AND COVER TO FINISH GRADE AFTER PAVING OPERATIONS ARE COMPLETE. PLACE A 12-INCH DEEP 12-INCH WIDE, 5,000 PSI CONCRETE RING AROUND THE EXTERIOR CIRCUMFERENCE OF THE MANHOLE FRAME PER CITY OF CALIPATRIA STANDARD DETAIL SS-109. SEE DETAIL H ON SHEET 10.
- ADJUST THE EXISTING STORMWATER MANHOLE FRAME AND COVER TO FINISH GRADE AFTER PAVING OPERATIONS ARE COMPLETE. PLACE A 12-INCH DEEP 12-INCH WIDE, 5,000 PSI CONCRETE RING AROUND THE EXTERIOR CIRCUMFERENCE OF THE MANHOLE FRAME PER CITY OF CALIPATRIA STANDARD DETAIL SW-103. SEE DETAIL H ON SHEET 10.
- INSTALL RELOCATED FIRE HYDRANT BEHIND THE NEW P.C.C. SIDEWALK PER GOLDEN STATE WATER COMPANY STANDARD DETAIL C-10. TO BE COMPLETED BY OTHERS.
- INSTALL PREVIOUSLY REMOVED AND STORED STOP SIGN AND/OR STREET NAME SIGN PER DETAIL G ON SHEET 10.
- INSTALL NEW P.C.C. DRIVEWAY PER DETAIL C ON SHEET 10. CONTRACTOR SHALL VERIFY AND MATCH THE EXACT LOCATION OF THE EXISTING DRIVEWAY.
- INSTALL NEW P.C.C. CROSS GUTTER AND SPANDREL PER CITY OF CALIPATRIA STANDARD DETAIL S-114 AND DETAIL S-115. SEE DETAIL J AND K ON SHEET 11.
- INSTALL NEW 6-INCH P.C.C. BARRIER CURB AT THE BACK OF THE SIDEWALK PER DETAIL E ON SHEET 10.
- INSTALL STORMWATER CATCH BASIN TYPE G3 PER CALTRANS STANDARD DETAIL D738 AND CURB DEPRESSION PER CALTRANS STANDARD DETAIL D78A. INSTALL THE CATCH BASIN BOX OVER 12 INCHES OF CLASS 2 BASE MATERIAL. COMPACT THE CLASS 2 BASE TO 95 PERCENT OF MAXIMUM DENSITY PER ASTM D-1557. SEE DETAIL L ON SHEET 11.
- INSTALL NEW 18-INCH DIAMETER DUAL WALL HDPE STORMWATER PIPELINE PER TRENCH DETAIL L ON SHEET 11.
- INSTALL NEW TYPE B2-6 P.C.C. CURB AND GUTTER PER CALTRANS STANDARD DRAWING A87A. INSTALL THE CURB AND GUTTER OVER 9 INCHES OF CLASS 2 BASE. COMPACT THE CLASS 2 BASE TO 95 PERCENT OF MAXIMUM DENSITY PER ASTM D-1557. SEE DETAIL N ON SHEET 11.
- INSTALL NEW STOP SIGN PER SINGLE POST INSTALLATION DETAIL ON CALTRANS STANDARD DRAWING R82. SEE DETAIL O ON SHEET 11.
- INSTALL NEW P.C.C. CURB AND GUTTER TRANSITION FROM CALTRANS TYPE B2-6 TO CITY OF CALIPATRIA 6-INCH CURB AND GUTTER.
- GRADE THE NATIVE MATERIAL FROM THE BACK OF SIDEWALK, A.C. PAVEMENT, CURB AND GUTTER, OR DRIVEWAY FOR A DISTANCE OF 5 FEET TO DAYLIGHT.
- INSTALL NEW 24" X 24" STORMWATER DROP INLET FRAME AND GRATE WITH CURB DEPRESSION PER CALTRANS STANDARD DETAIL D78A ON THE EXISTING CATCH BASIN BOX. SEE DETAIL I ON SHEET 11.
- INSTALL 12 INCHES OF CLASS 2 BASE. COMPACT THE CLASS 2 BASE MATERIAL TO 95 PERCENT OF MAXIMUM DENSITY PER ASTM D-1557.
- CONTRACTOR TO CORE THE WALL OF THE EXISTING MANHOLE OR CATCH BASIN WITH AN OPENING SUFFICIENT TO INSTALL THE NEW STORM DRAIN PIPE FLUSH WITH THE INTERIOR FACE OF THE WALL. INSTALL A NON-SHRINK GROUT IN THE FULL ANNULAR VOLUME BETWEEN THE PIPE AND THE WALL OPENING.
- REPLACE THE EXISTING MANHOLE COVER WITH A NEW 36-INCH DIAMETER GRATE INLET COVER TYPE 36 RX PER CALTRANS STANDARD DETAIL D77B.

SEE SHEET 4 FOR MATCHLINE AT STA 5+50

SEE SHEET 6 FOR MATCHLINE AT STA 10+50



The Holt Group, Inc.

ENGINEERING • PLANNING • SURVEYING

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(760) 922-4658

NO. REVISIONS:

APPROVED DATE

DESIGN BY:

RSN

DRAWN BY:

RSN, AD, JM, CG

CHECKED BY:

RSN

UNAUTHORIZED CHANGES & USES: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

PROJECT BENCH MARK:

"Q 1225 1971"
THE STATION IS LOCATED MARK IS A STANDARD BENCHMARK DISK SET ON TOP OF A CONCRETE HEADWALL. THE BENCHMARK IS LOCATED 3 MILES SOUTH OF THE CITY OF CALIPATRIA ALONG THE SOUTHERN PACIFIC COMPANY RAILROAD AT THE CROSSING OF QUAY ROAD AND NARCISUS LATERAL. IN THE TOP AND 0.6 FOOT NORTH OF THE SOUTH END OF THE WEST RAIL, 83 FEET NORTH OF THE CENTERLINE OF THE ROAD.
EL. 838.82



PREPARED UNDER THE DIRECT SUPERVISION OF:

ROLANDO SANCHEZ

05/19/2025

DATE

90701

R.C.E. NO.

12/31/25

REG. EXP.

PROJECT TITLE: CITY OF CALIPATRIA
SOUTH BROWN AVENUE ROADWAY AND PEDESTRIAN FACILITIES IMPROVEMENT PROJECT BETWEEN MAIN STREET / STATE ROUTE 115 AND CHURCH AVENUE

SHEET CONTENT:
SOUTH BROWN AVENUE IMPROVEMENT
PLANS FROM STATION 5+50 TO STATION 10+50

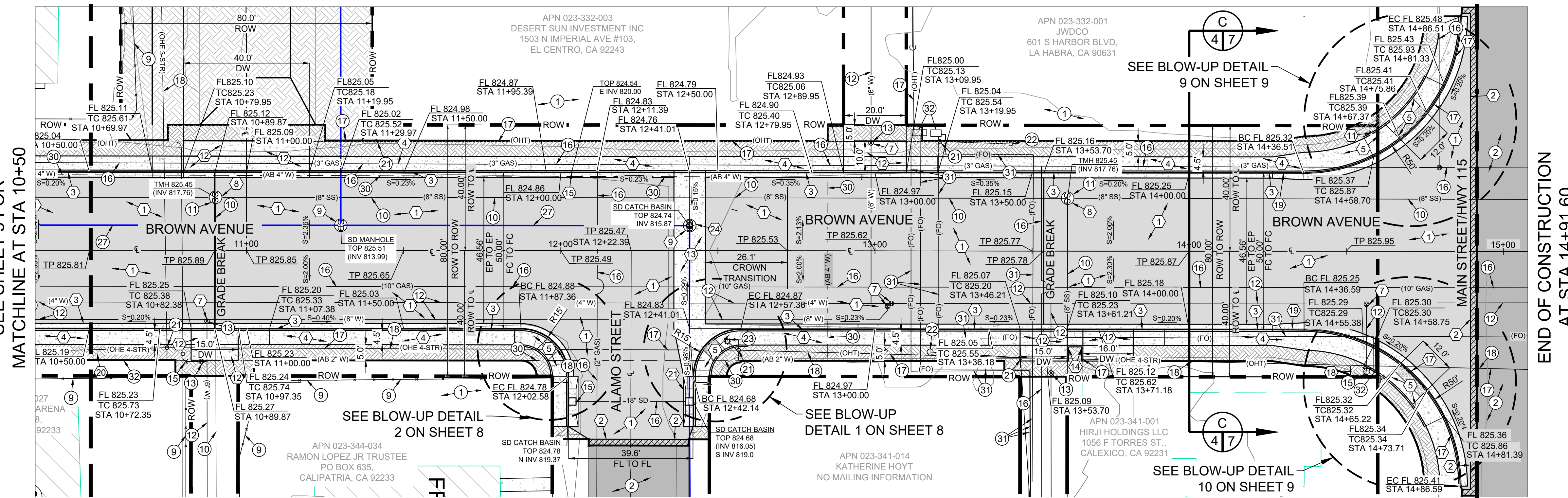
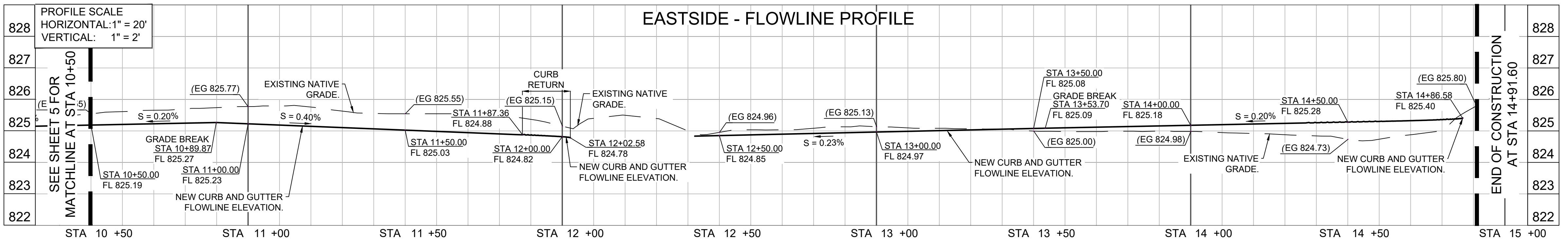
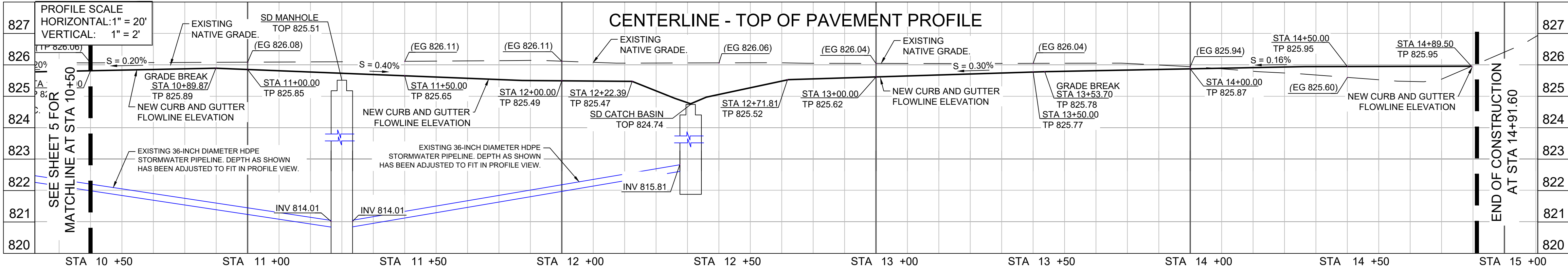
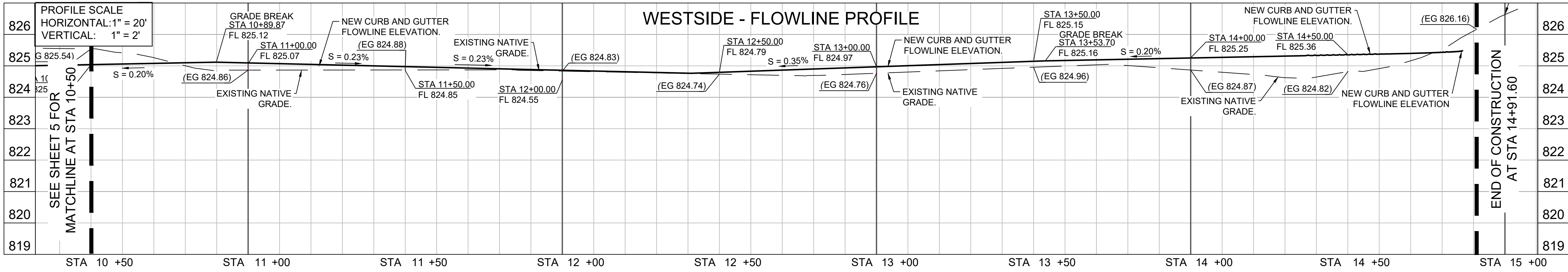
SHEET

5

OF 15 SHEETS

JOB NO.

142.322



EXISTING KEYNOTES

- EXISTING NATIVE MATERIAL TO REMAIN.
- EXISTING A.C. PAVEMENT TO REMAIN.
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CONSTRUCTION KEYNOTES

- INSTALL 4-INCHES OF A.C. PAVEMENT OVER 12-INCHES OF CLASS 2 BASE. COMPACT THE CLASS 2 BASE MATERIAL TO 95-PERCENT OF MAXIMUM DENSITY PER ASTM D-1557. SEE SECTIONS A-A THROUGH C-C ON SHEET 7.
- INSTALL 0.20 FOOT OF A.C. PAVEMENT AT COLD PLANED/HEADER CUT AREA PER DETAIL F ON SHEET 10.
- INSTALL 6-INCH P.C.C. CURB AND GUTTER PER CITY OF CALIPATRIA STANDARD DETAIL S-117. SEE DETAIL A ON SHEET 10.
- INSTALL NEW 4.5 FEET WIDE, 4-INCH THICK P.C.C. SIDEWALK OVER 6-INCHES OF GRANULAR SAND PER CITY OF CALIPATRIA STANDARD DETAIL S-122. SEE DETAIL B ON SHEET 10.
- INSTALL P.C.C. HANDICAP RAMP AND TRUNCATED DOMES PER CALTRANS STANDARD PLAN AB8A, CASE C. SEE DETAIL M ON SHEET 11. INSTALL P.C.C. HANDICAP RAMP OVER 6-INCHES OF CLASS II BASE. COMPACT THE CLASS 2 BASE MATERIAL TO 95-PERCENT OF MAXIMUM DENSITY PER ASTM D-1557. SEE BLOW-UP DETAILS 1 TO 11 ON SHEETS 8 AND 9.
- INSTALL NEW 4-FOOT HIGH CHAIN LINK FENCE AND CHAIN LINK SWING GATE. CONTRACTOR SHALL MATCH TYPE AND MATERIALS OF EXISTING FENCE.
- ADJUST THE EXISTING WATER VALVE RISERS TO FINISH GRADE AFTER PAVING OPERATIONS ARE COMPLETE. PLACE AN 8-INCH DEEP 8-INCH WIDE, 5,000 PSI CONCRETE RING AROUND THE EXTERIOR CIRCUMFERENCE OF THE WATER VALVE RISER. SEE DETAIL H ON SHEET 10.
- ADJUST THE EXISTING SANITARY SEWER MANHOLE FRAME AND COVER TO FINISH GRADE AFTER PAVING OPERATIONS ARE COMPLETE. PLACE A 12-INCH DEEP 12-INCH WIDE, 5,000 PSI CONCRETE RING AROUND THE EXTERIOR CIRCUMFERENCE OF THE MANHOLE FRAME PER CITY OF CALIPATRIA STANDARD DETAIL SS-109. SEE DETAIL H ON SHEET 10.
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- INSTALL RELOCATED FIRE HYDRANT BEHIND THE NEW P.C.C. SIDEWALK PER GOLDEN STATE WATER COMPANY STANDARD DETAIL C-10. TO BE COMPLETED BY OTHERS.
- INSTALL PREVIOUSLY REMOVED AND STORED STOP SIGN AND/OR STREET NAME SIGN PER DETAIL G ON SHEET 10.
- INSTALL NEW P.C.C. DRIVEWAY PER DETAIL C ON SHEET 10. CONTRACTOR SHALL VERIFY AND MATCH THE EXACT LOCATION OF THE EXISTING DRIVEWAY.
- INSTALL NEW P.C.C. CROSS GUTTER AND SPANDREL PER CITY OF CALIPATRIA STANDARD DETAIL S-114 AND DETAIL S-115. SEE DETAIL J AND K ON SHEET 11.
- INSTALL NEW 6-INCH P.C.C. BARRIER CURB AT THE BACK OF THE SIDEWALK PER DETAIL E ON SHEET 10.
- INSTALL STORMWATER CATCH BASIN TYPE G3 PER CALTRANS STANDARD DETAIL D738 AND CURB DEPRESSION PER CALTRANS STANDARD DETAIL D78A. INSTALL THE CATCH BASIN BOX OVER 12 INCHES OF CLASS 2 BASE MATERIAL. COMPACT THE CLASS 2 BASE TO 95 PERCENT OF MAXIMUM DENSITY PER ASTM D-1557. SEE DETAIL I ON SHEET 11.
- INSTALL NEW 18-INCH DIAMETER DUAL WALL HOPE STORMWATER PIPELINE PER TRENCH DETAIL L ON SHEET 11.
- INSTALL NEW TYPE B2-6 P.C.C. CURB AND GUTTER PER CALTRANS STANDARD DRAWING AB7A. INSTALL THE CURB AND GUTTER OVER 9 INCHES OF CLASS 2 BASE. COMPACT THE CLASS 2 BASE TO 95 PERCENT OF MAXIMUM DENSITY PER ASTM D-1557. SEE DETAIL N ON SHEET 11.
- INSTALL NEW STOP SIGN PER SINGLE POST INSTALLATION DETAIL ON CALTRANS STANDARD DRAWING RS2. SEE DETAIL O ON SHEET 11.
- INSTALL NEW P.C.C. CURB AND GUTTER TRANSITION FROM CALTRANS TYPE B2-6 TO CITY OF CALIPATRIA 6-INCH CURB AND GUTTER.
- GRADE THE NATIVE MATERIAL FROM THE BACK OF SIDEWALK, A.C. PAVEMENT, CURB AND GUTTER, OR DRIVEWAY FOR A DISTANCE OF 5 FEET TO DAYLIGHT.
- INSTALL NEW 24" X 24" STORMWATER DROP INLET FRAME AND GRATE WITH CURB DEPRESSION PER CALTRANS STANDARD DETAIL D78A ON THE EXISTING CATCH BASIN BOX. SEE DETAIL I ON SHEET 11.
- INSTALL 12 INCHES OF CLASS 2 BASE. COMPACT THE CLASS 2 BASE MATERIAL TO 95 PERCENT OF MAXIMUM DENSITY PER ASTM D-1557.
- CONTRACTOR TO CORE THE WALL OF THE EXISTING MANHOLE OR CATCH BASIN WITH AN OPENING SUFFICIENT TO INSTALL THE NEW STORM DRAIN PIPE FLUSH WITH THE INTERIOR FACE OF THE WALL. INSTALL A NON-SHRINK GROUT IN THE FULL ANNUAL VOLUME BETWEEN THE PIPE AND THE WALL OPENING.
- REPLACE THE EXISTING MANHOLE COVER WITH A NEW 36-INCH DIAMETER GRATE INLET COVER TYPE 36 RX PER CALTRANS STANDARD DETAIL D77B.

PROJECT TITLE: CITY OF CALIPATRIA
SOUTH BROWN AVENUE ROADWAY AND PEDESTRIAN
FACILITIES IMPROVEMENT PROJECT BETWEEN MAIN
STREET / STATE ROUTE 115 AND CHURCH AVENUE

SHEET CONTENT:
SOUTH BROWN AVENUE IMPROVEMENT PLANS
FROM STATION 10+50 TO STATION 14+91.60

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NO. REVISIONS:

APPROVED DATE

DESIGN BY:
RSN

DRAWN BY:
RSN, AD, JM, CG

CHECKED BY:
RSN

PROJECT BENCH MARK:
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REGISTERED PROFESSIONAL ENGINEER
ROLANDO SANCHEZ
No. 90701
Exp. 12-31-25
CIVIL
STATE OF CALIFORNIA

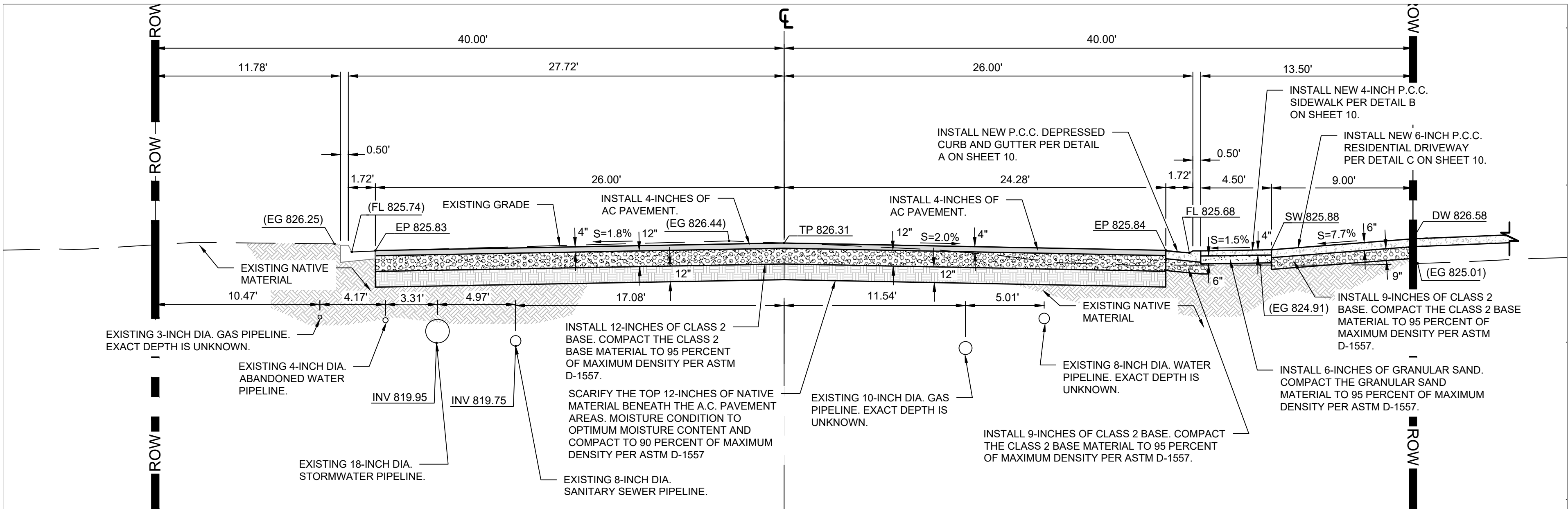
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ROLANDO SANCHEZ
05/19/2025
DATE

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R.C.E. NO.**

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REG. EXP.**

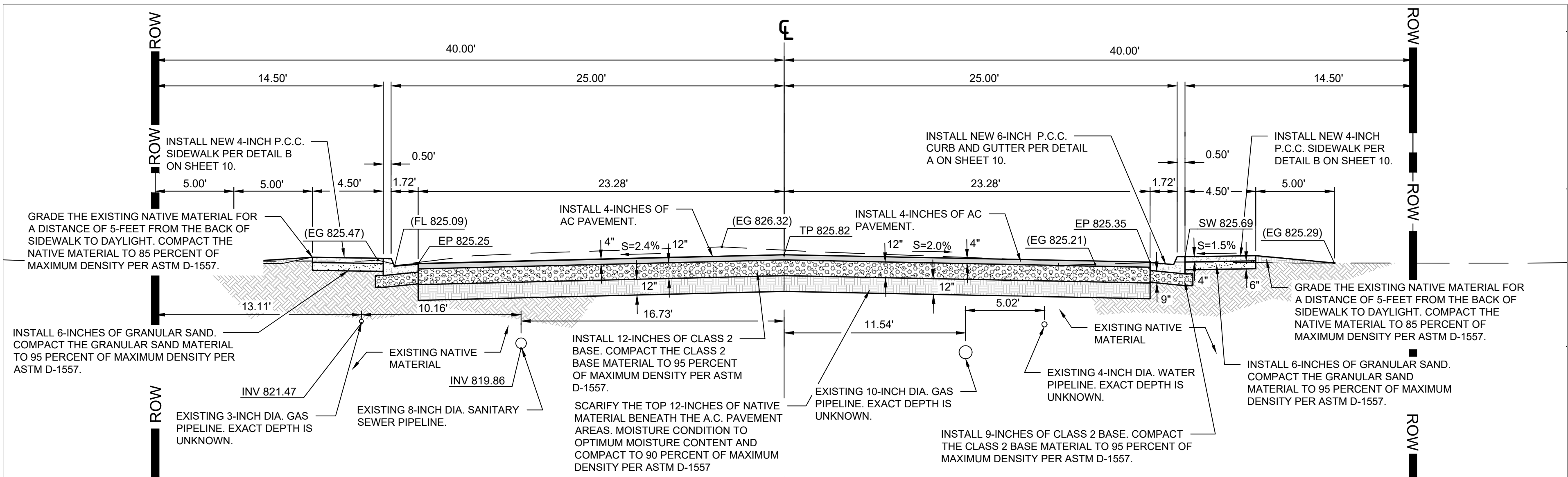
**SHEET 6
OF 15 SHEETS**

JOB NO. 142.322



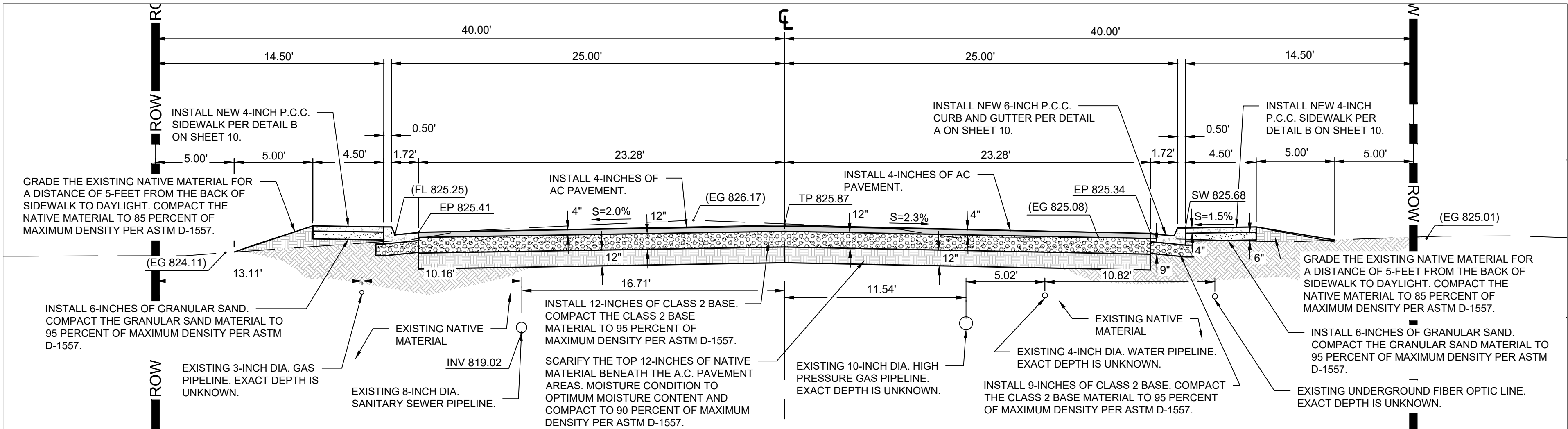
SOUTH BROWN AVE. SECTION DETAIL AT STA 3+50
SCALE: 1" = 5'

A-A
47



SOUTH BROWN AVE. SECTION DETAIL AT STA 8+00
SCALE: 1" = 5'

B-B
57



SOUTH BROWN AVE. SECTION DETAIL AT STA 14+00
SCALE: 1" = 5'

C-C
67

POTHOLE NOTE:

THE VERTICAL AND HORIZONTAL LOCATION OF EXISTING UNDERGROUND UTILITIES ILLUSTRATED ON THE PLANS ARE APPROXIMATE. AN EFFORT HAS BEEN MADE TO OBTAIN AS-BUILT PLANS IN ORDER TO ACCURATELY ILLUSTRATE THE EXISTING KNOWN UTILITIES DURING THE DESIGN PHASE; HOWEVER, THERE MAY BE ADDITIONAL UNDERGROUND UTILITIES WHICH ARE NOT ILLUSTRATED ON THE PLANS. THE CONTRACTOR SHALL "POTHOLE" ALL UTILITIES LOCATED WITHIN THE PROJECT SITE A MINIMUM OF SEVEN (7) CALENDAR DAYS PRIOR TO THE COMMENCEMENT OF EXCAVATION ACTIVITIES. THE CONTRACTOR SHALL COORDINATE THE POTHOLING WITH THE UTILITY COMPANIES AND ENGINEER. THE CONTRACTOR SHALL POTHOLE AND EXPOSE THE UTILITIES, DETERMINE THE EXACT HORIZONTAL LOCATION AND DEPTH OF THE UTILITIES, AND OBTAIN OTHER UTILITY INFORMATION PER TECHNICAL SPECIFICATION SECTION 02620. THE EXISTING UTILITY INFORMATION DISCOVERED DURING POTHOLING ACTIVITIES SHALL BE ILLUSTRATED ON THE AS-BUILT PLANS.

C:\Users\rsanchez\The Holt Group\142.322 - Documents\CAD\142.322 - SHEET 7 - SECTION DETAILS.dwg 09/19/2025 16:04

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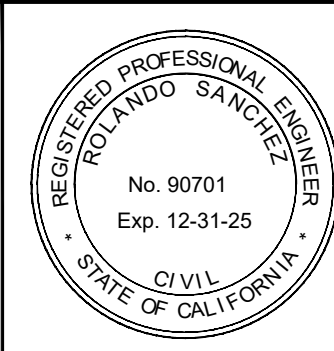
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EL. 838.82



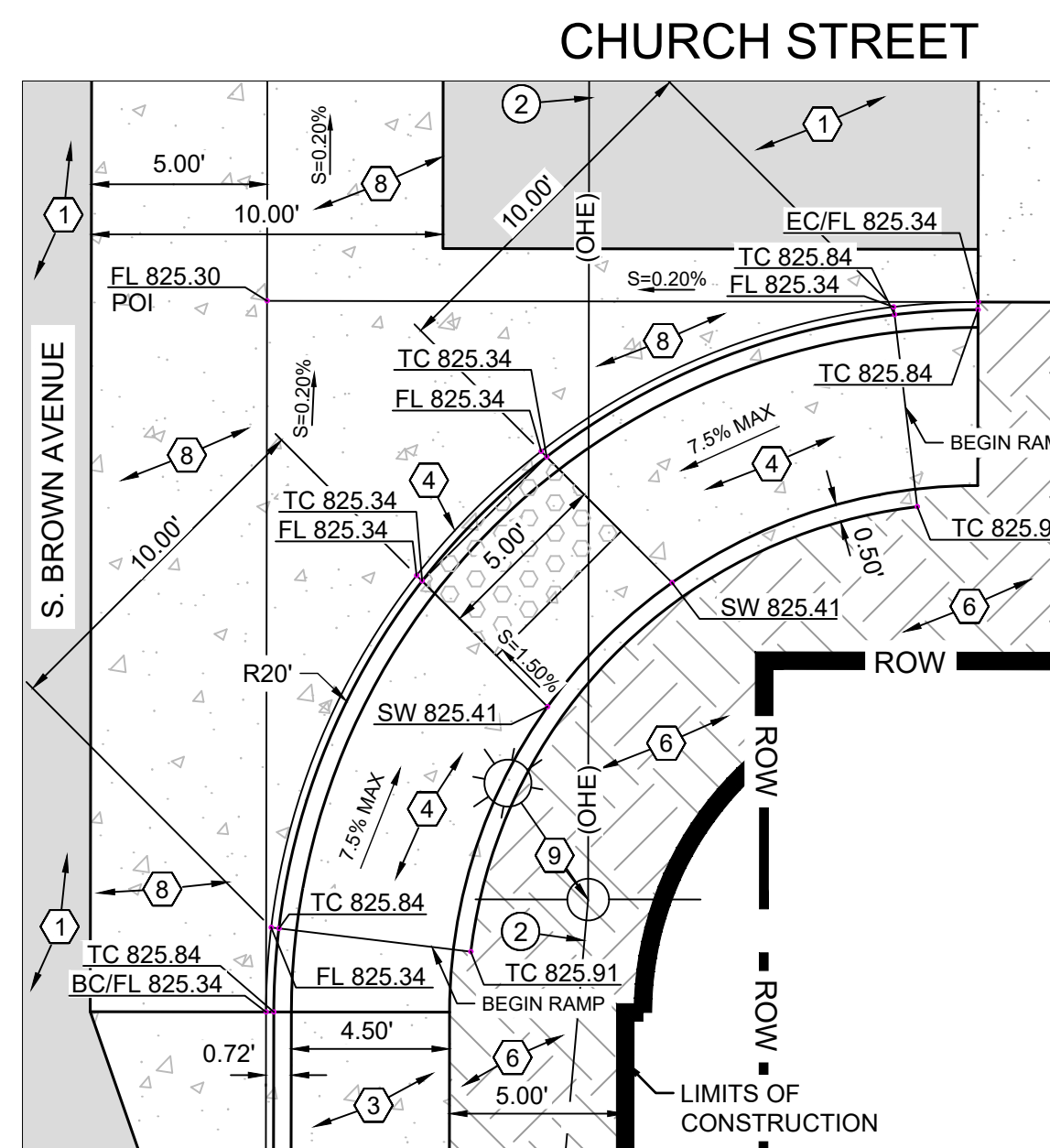
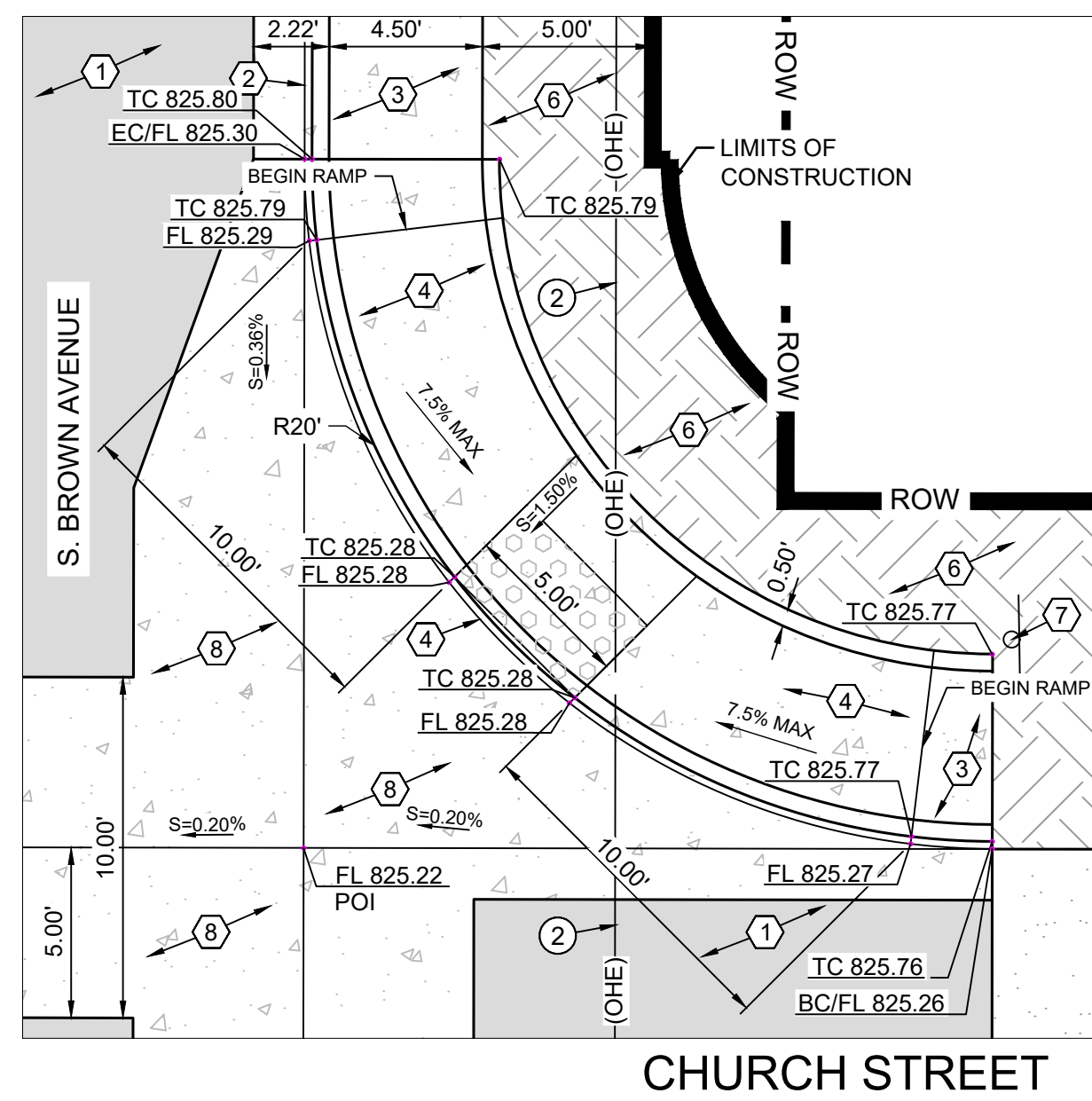
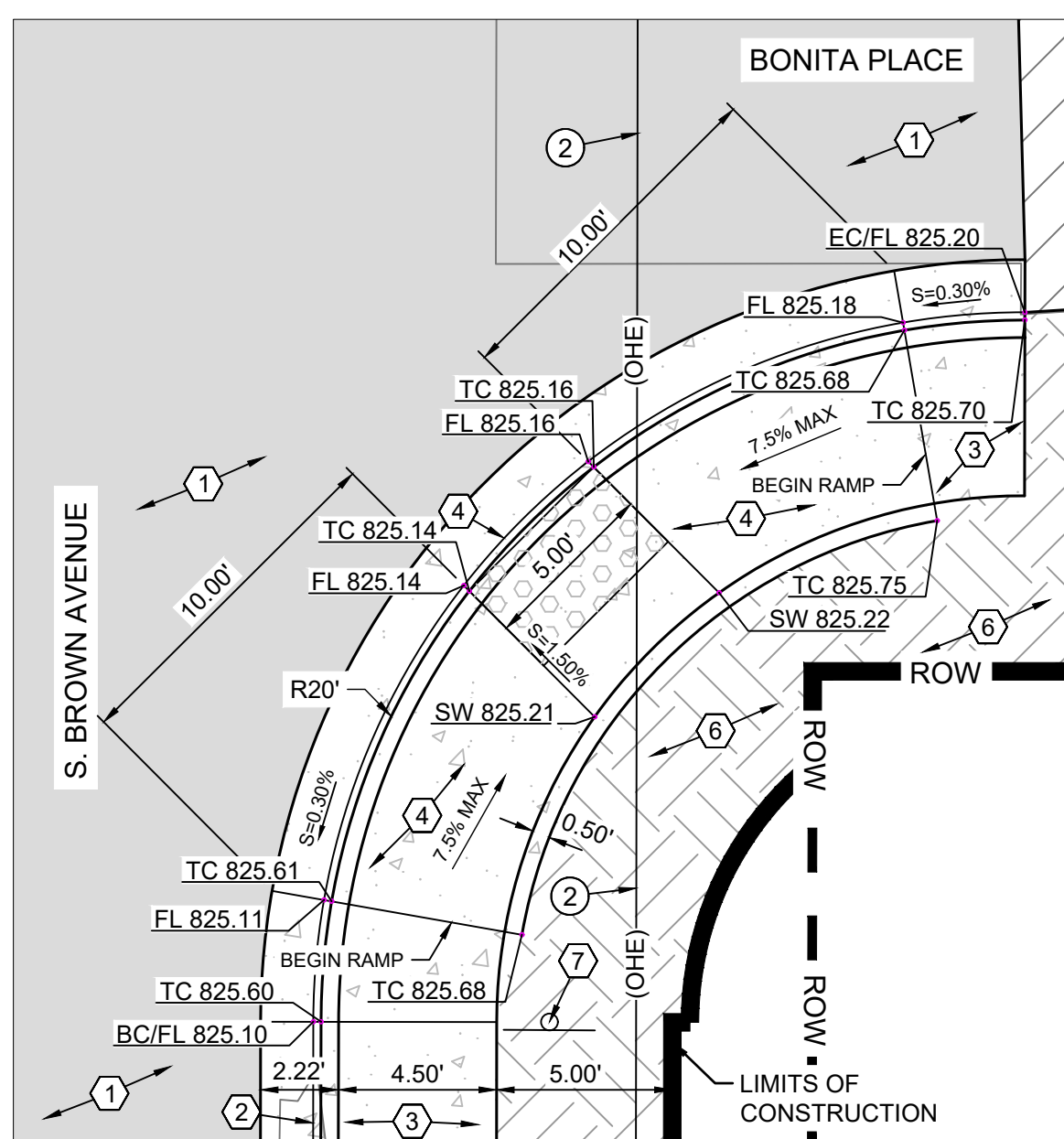
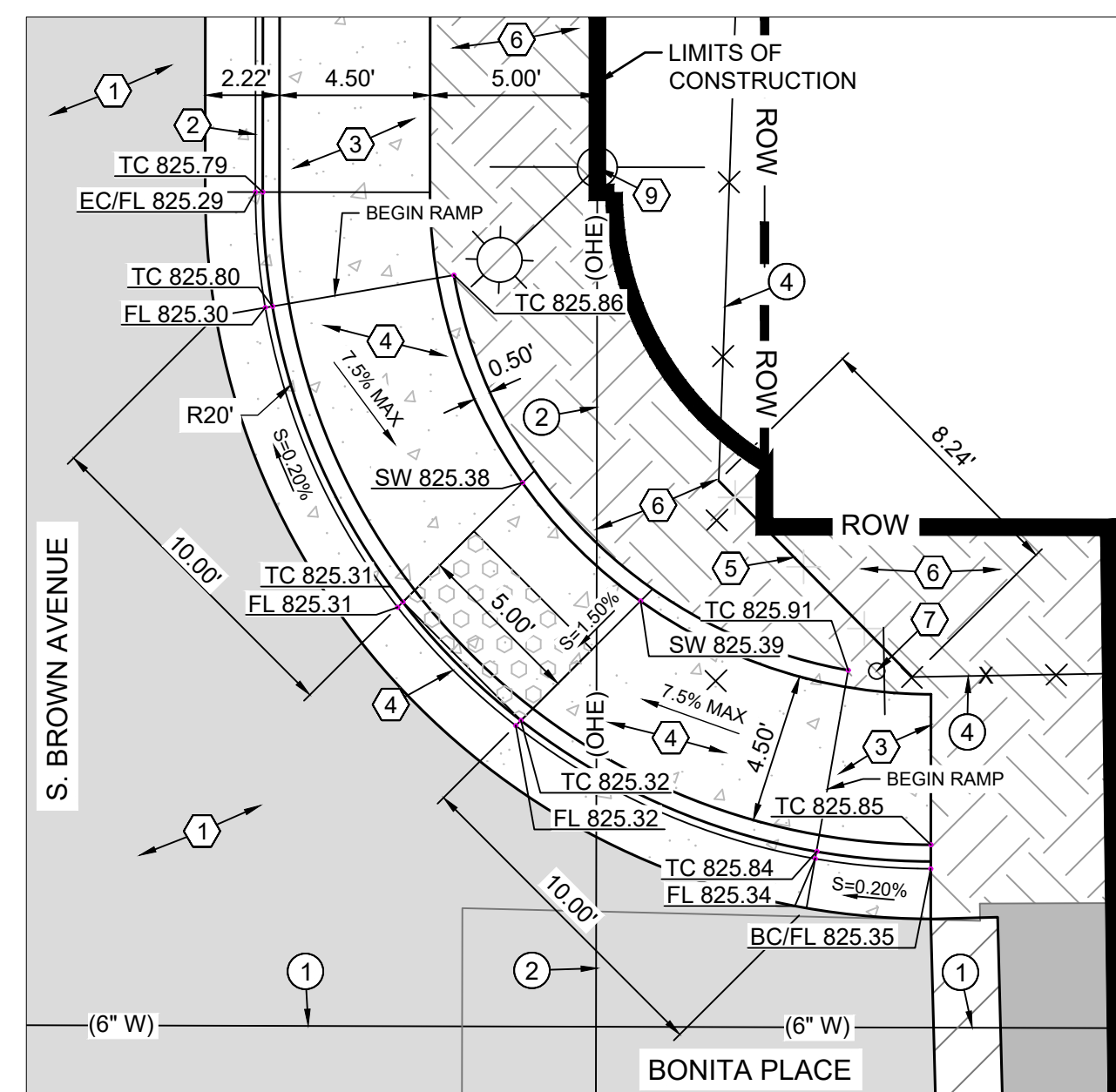
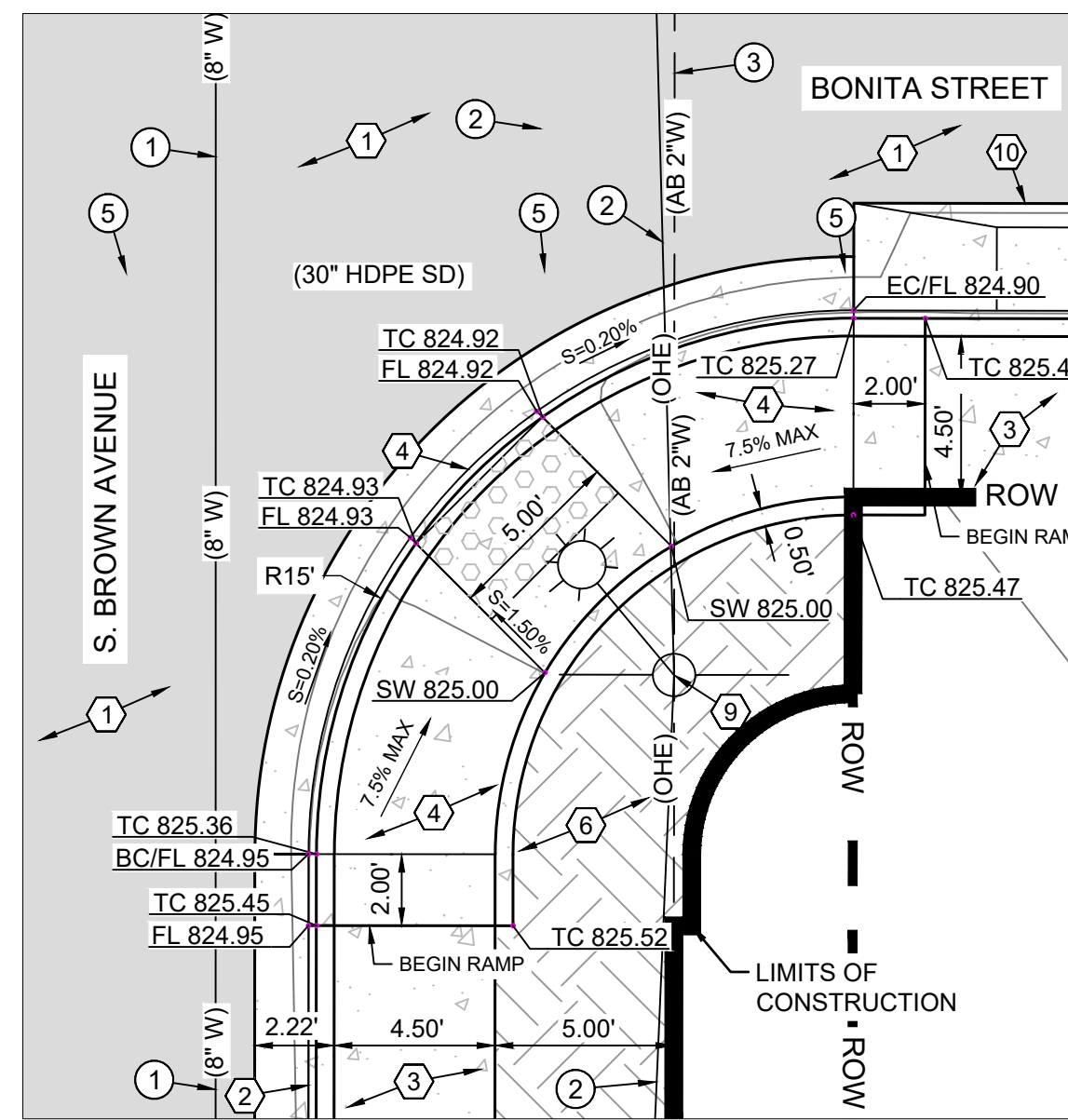
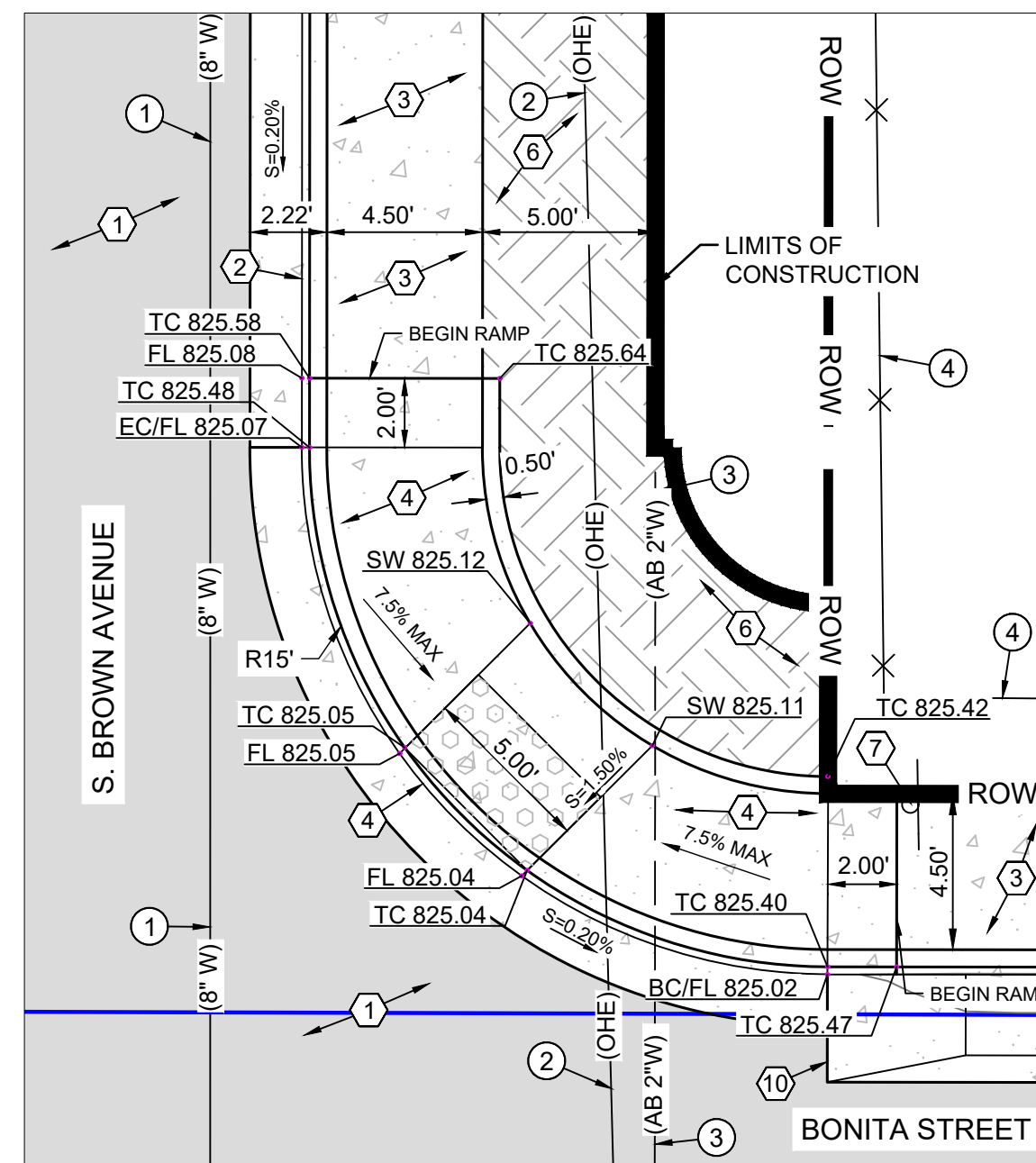
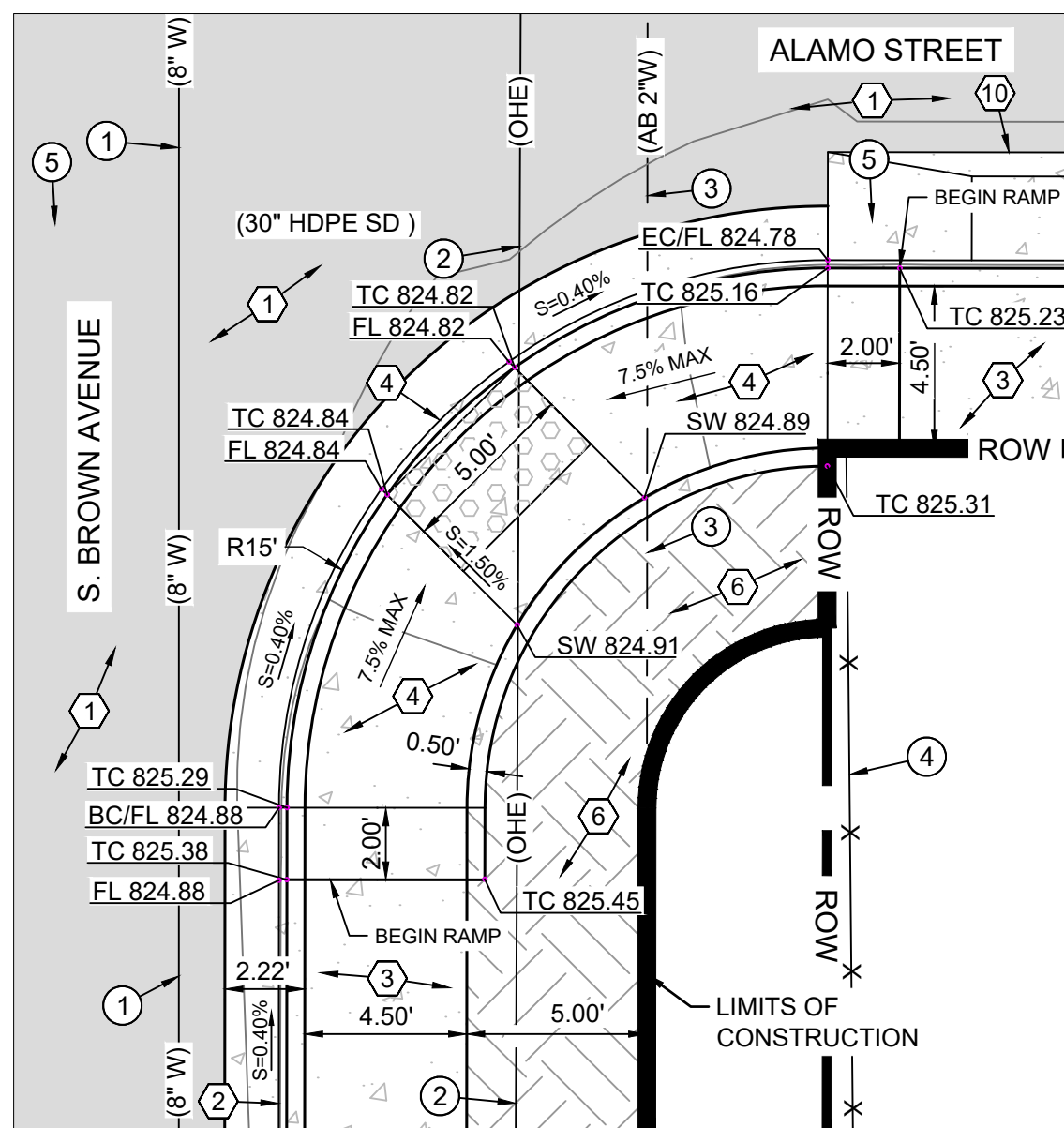
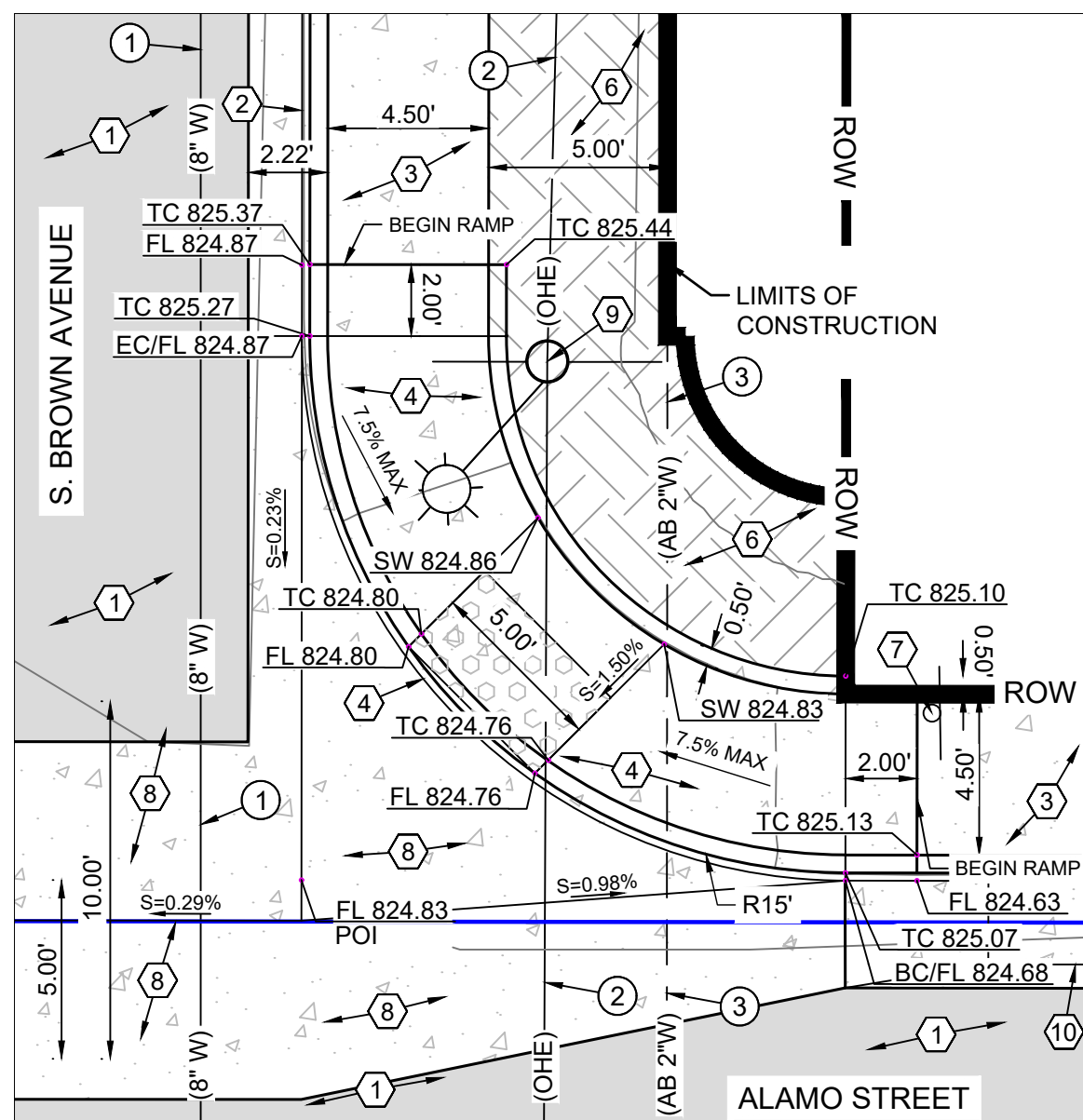
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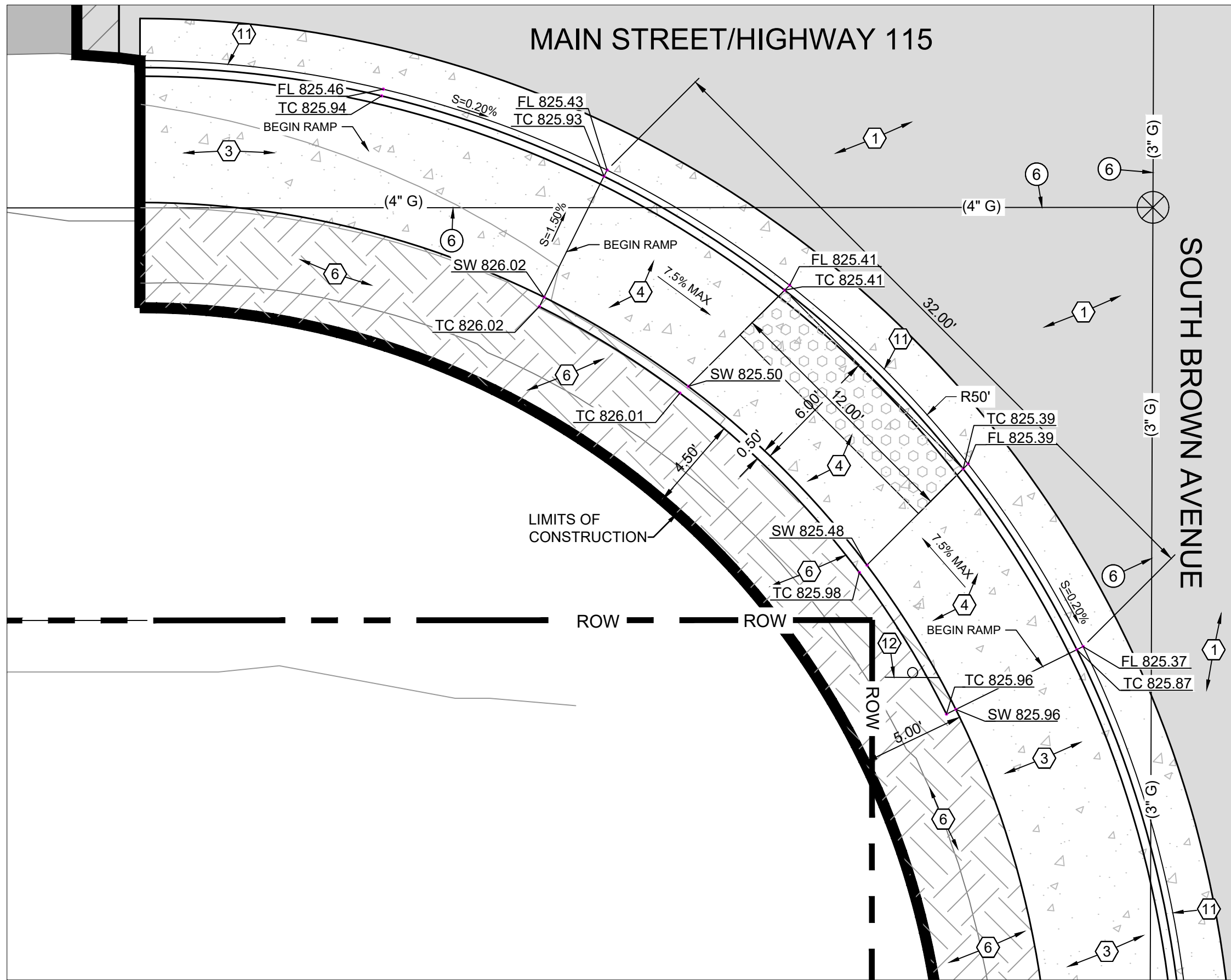
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SOUTH BROWN AVENUE ROADWAY AND PEDESTRIAN FACILITIES IMPROVEMENT PROJECT BETWEEN MAIN STREET / STATE ROUTE 115 AND CHURCH AVENUE
SHEET CONTENT: SECTION DETAILS

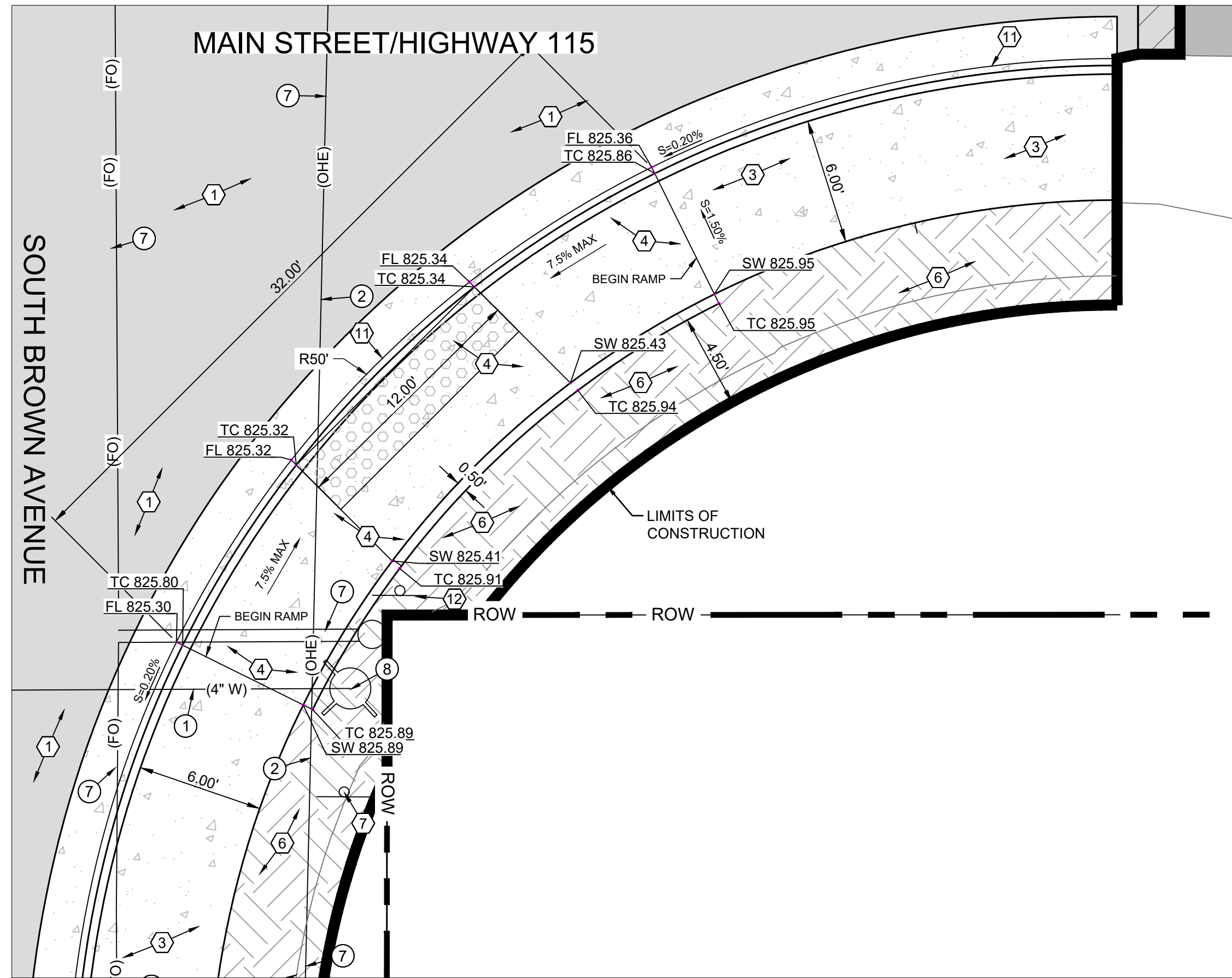
SHEET
7
OF 15 SHEETS
JOB NO.
142.322



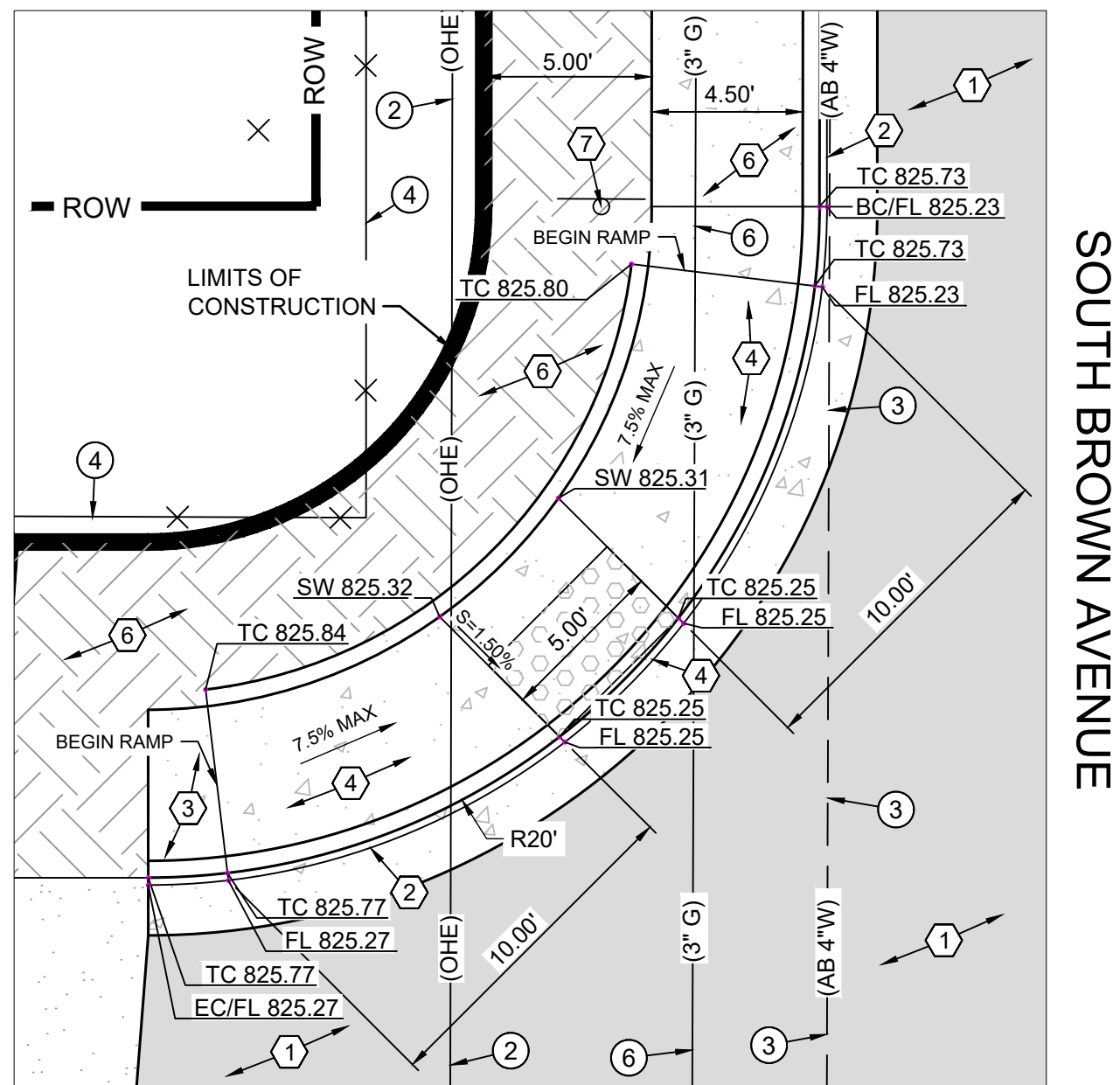
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BLOW-UP DETAIL NO. 9
HANDICAP RAMP AT SOUTHWEST CORNER OF MAIN STREET/HIGHWAY 115 AND SOUTH BROWN AVENUE.
SCALE: 1"=5'



BLOW-UP DETAIL NO. 10
HANDICAP RAMP AT SOUTHEAST CORNER OF MAIN STREET/HIGHWAY 115 AND SOUTH BROWN AVENUE.
SCALE: 1"=5'



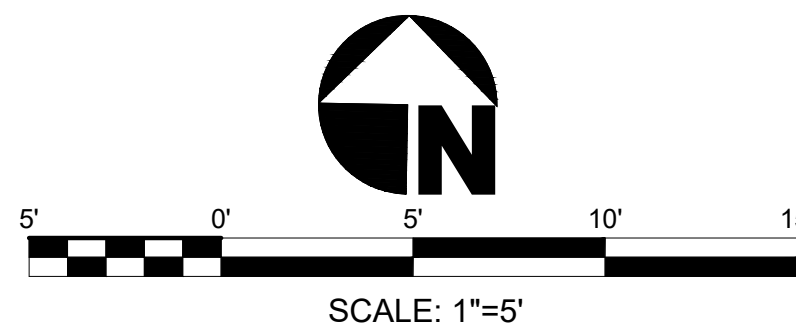
BLOW-UP DETAIL NO. 11
HANDICAP RAMP AT NORTHWEST CORNER OF BONITA STREET AND SOUTH BROWN AVENUE.
SCALE: 1"=5'

EXISTING KEYNOTES

- EXISTING WATER PIPELINE TO REMAIN.
- EXISTING OVERHEAD POWERLINE TO REMAIN.
- EXISTING ABANDONED WATER PIPELINE.
- EXISTING CHAIN-LINK FENCE TO REMAIN.
- EXISTING STORMWATER PIPELINE TO REMAIN.
- EXISTING GAS PIPELINE TO REMAIN.
- EXISTING UNDERGROUND COMMUNICATIONS LINE TO REMAIN.
- EXISTING FIRE HYDRANT TO REMAIN.

CONSTRUCTION KEYNOTES

- INSTALL 4-INCHES OF A.C. PAVEMENT OVER 12-INCHES OF CLASS 2 BASE. COMPACT THE CLASS 2 BASE MATERIAL TO 95-PERCENT OF MAXIMUM DENSITY PER ASTM D-1557. SEE SECTIONS A-A THROUGH C-C ON SHEET 7.
- INSTALL 6-INCH P.C.C. CURB AND GUTTER PER CITY OF CALIPATRIA STANDARD DETAIL S-117. SEE DETAIL A ON SHEET 10.
- INSTALL 4-INCH P.C.C. SIDEWALK OVER 4-INCHES OF GRANULAR SAND PER CITY OF CALIPATRIA STANDARD DETAIL S-122. SEE DETAIL B ON SHEET 10.
- INSTALL P.C.C. HANDICAP RAMP AND TRUNCATED DOMES PER CALTRANS STANDARD PLAN A88A, CASE C. SEE DETAIL M ON SHEET 11. INSTALL P.C.C. HANDICAP RAMP OVER 6-INCHES OF CLASS 2 BASE. COMPACT THE CLASS 2 BASE MATERIAL TO 95-PERCENT OF MAXIMUM DENSITY PER ASTM D-1557. SEE BLOW-UP DETAILS 1 TO 11 ON SHEETS 8 AND 9.
- INSTALL NEW 4-FOOT HIGH CHAIN LINK FENCE. CONTRACTOR SHALL MATCH TYPE AND MATERIALS OF EXISTING FENCE.
- GRADE THE EXISTING NATIVE MATERIAL FOR A DISTANCE OF 5-FEET FROM THE BACK OF SIDEWALK TO DAYLIGHT. COMPACT THE NATIVE MATERIAL TO 85-PERCENT OF MAXIMUM DENSITY PER ASTM D-1557.
- INSTALL PREVIOUSLY REMOVED AND STORED STOP SIGN AND/OR STREET NAME SIGN PER DETAIL G ON SHEET 10.
- INSTALL NEW P.C.C. CROSS GUTTER AND SPANDREL PER CITY OF CALIPATRIA STANDARD DETAIL S-114 AND DETAIL S-115. SEE DETAIL J AND K ON SHEET 11.
- POWER POLE TO BE RELOCATED BY OTHERS.
- INSTALL NEW P.C.C. STORMWATER CATCH BASIN TYPE G-3 PER CALTRANS STANDARD DETAIL D72B. SEE DETAIL I ON SHEET 11. THE CONTRACTOR SHALL CONNECT THE EXISTING 30-INCH AND 24-INCH DIAMETER HDPE PIPELINES TO THE NEW CATCH BASIN AT THE EXISTING PIPELINE INVERT ELEVATION.
- INSTALL NEW TYPE B2-6 CURB AND GUTTER PER CALTRANS STANDARD DETAIL A87A. SEE DETAIL N ON SHEET 11.
- INSTALL NEW STOP SIGN PER SINGLE POST INSTALLATION DETAIL ON CALTRANS STANDARD DRAWING RS2. SEE DETAIL O ON SHEET 11.



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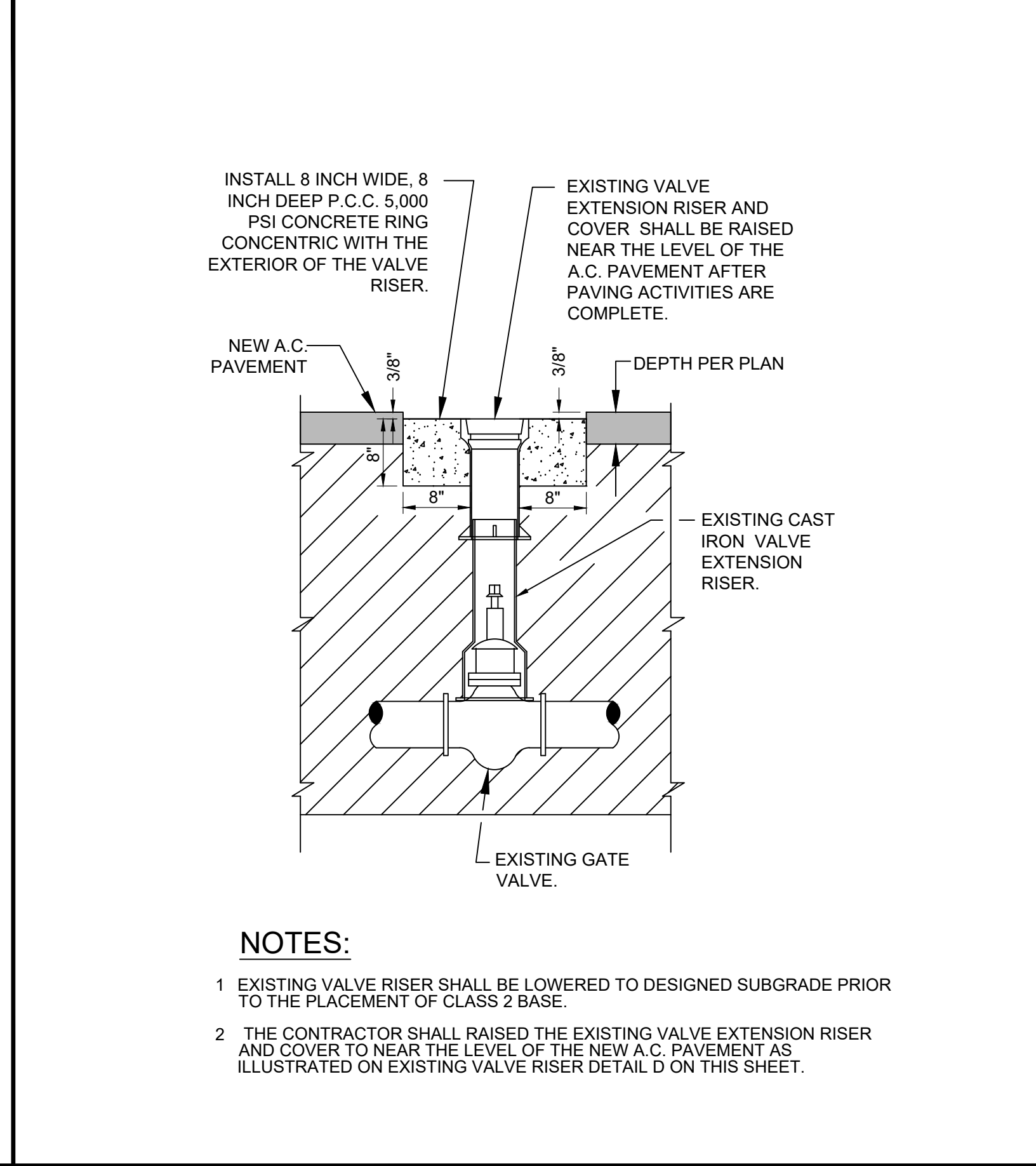
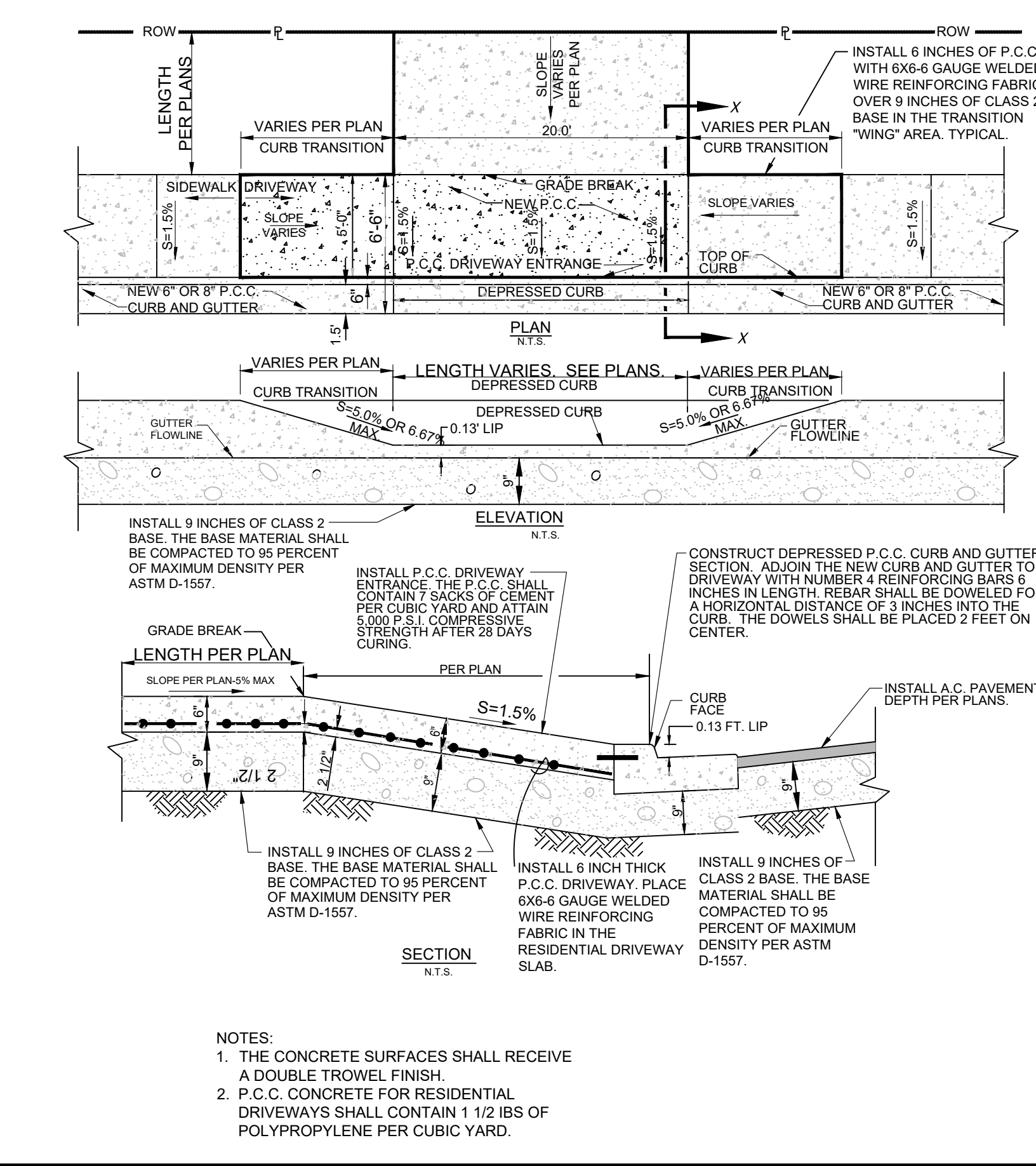
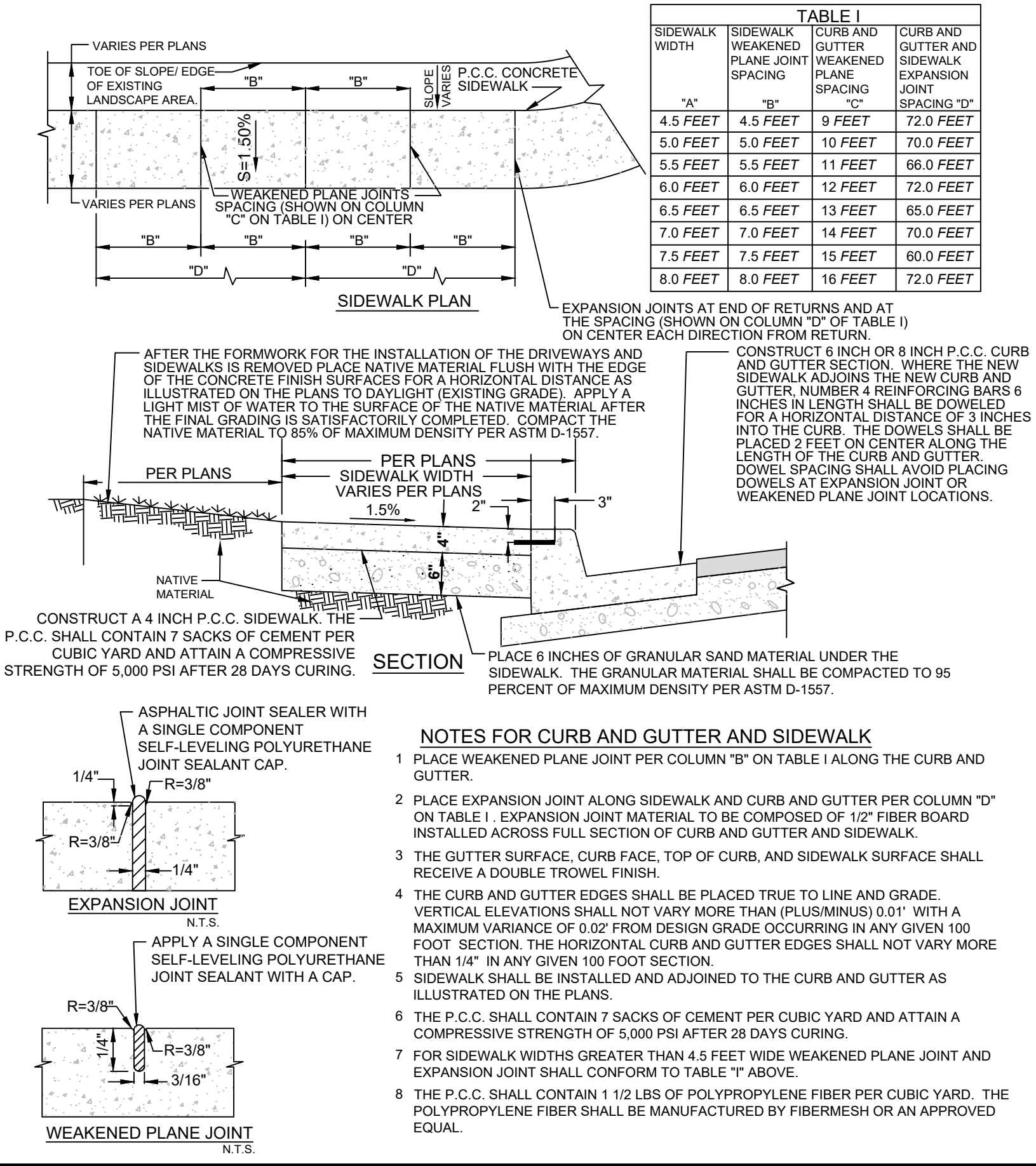
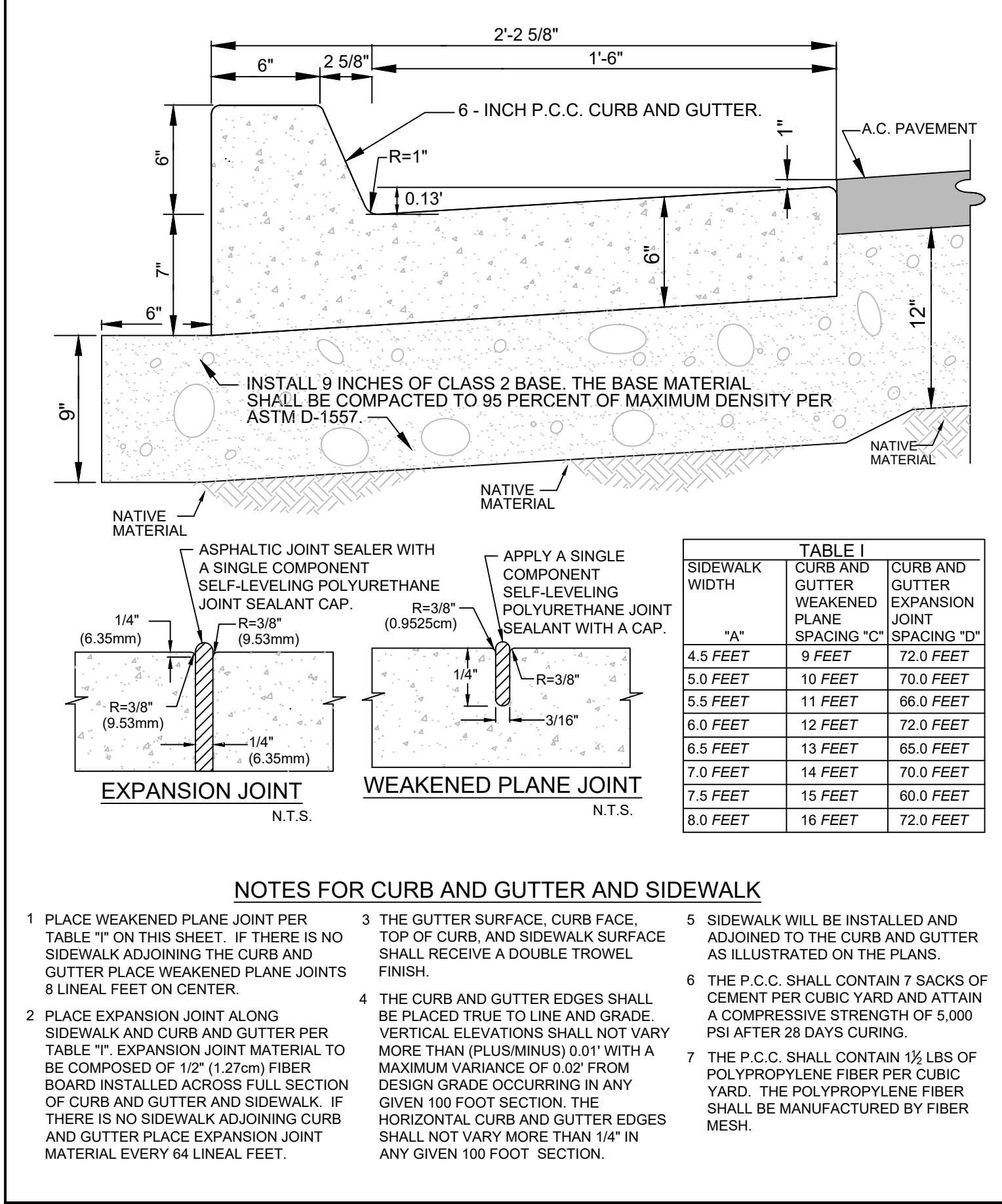
SHEET CONTENT:
HANDICAP RAMP BLOW-UP DETAILS

SHEET

9

OF 15 SHEETS

JOB NO.
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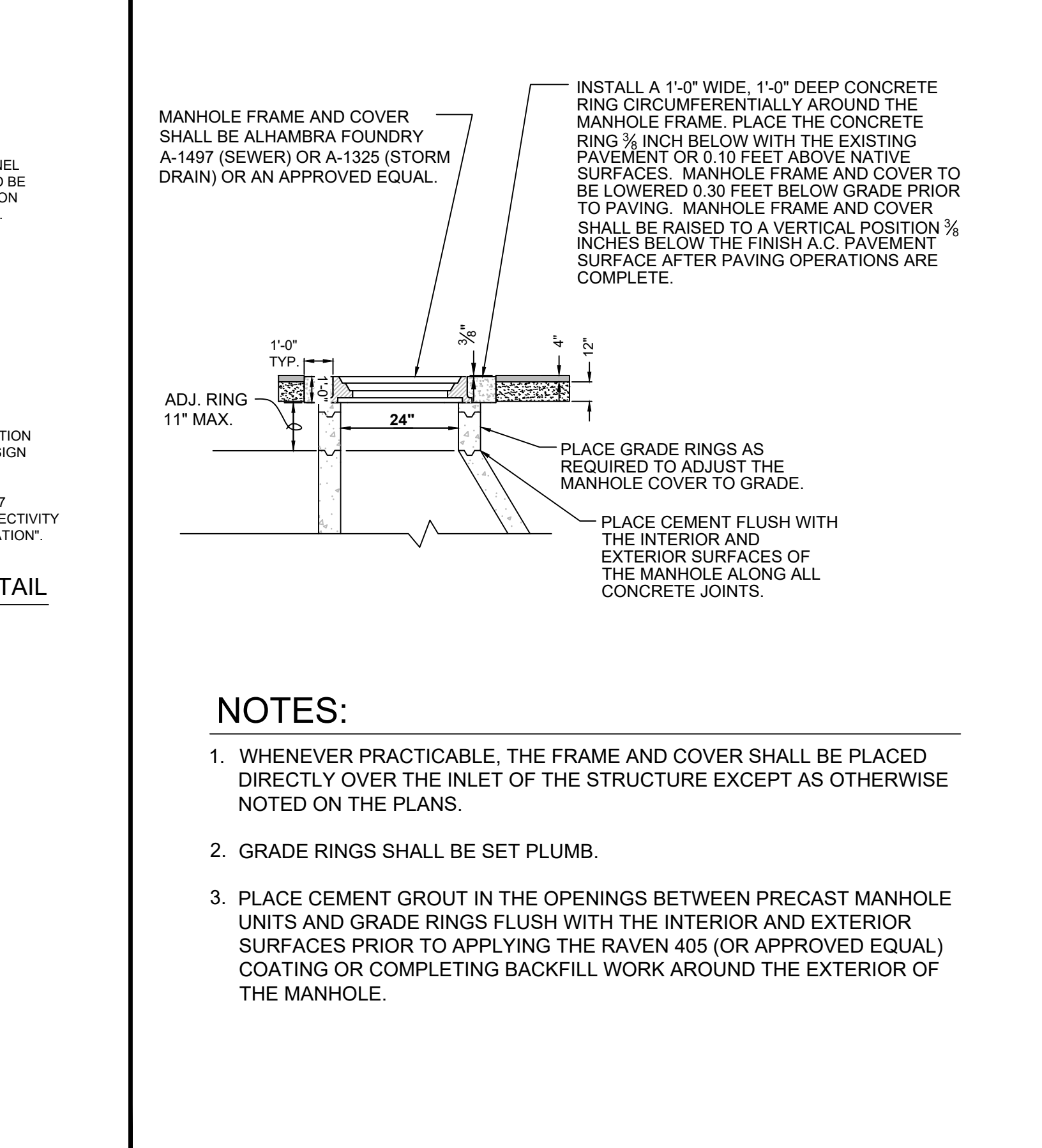
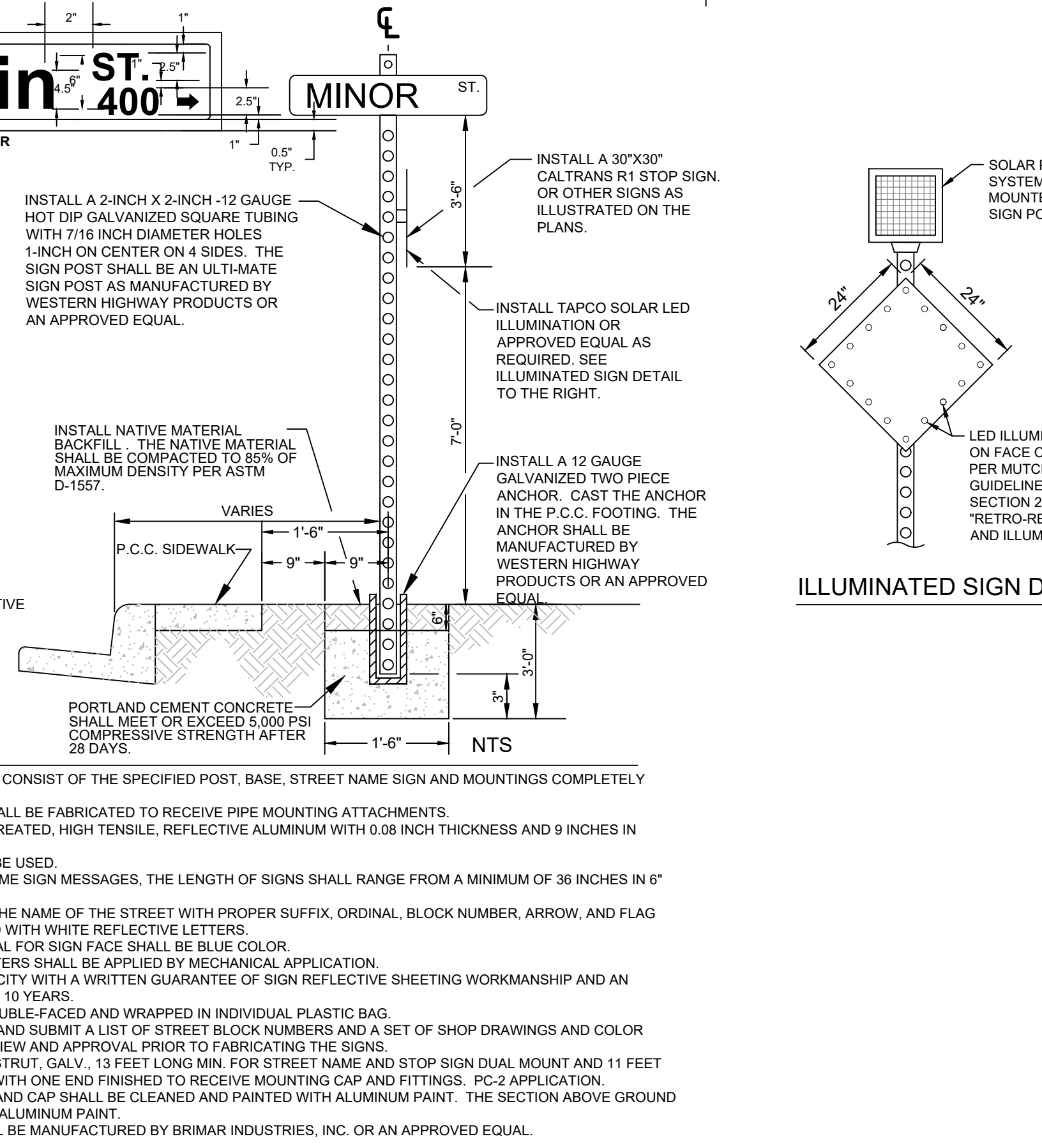
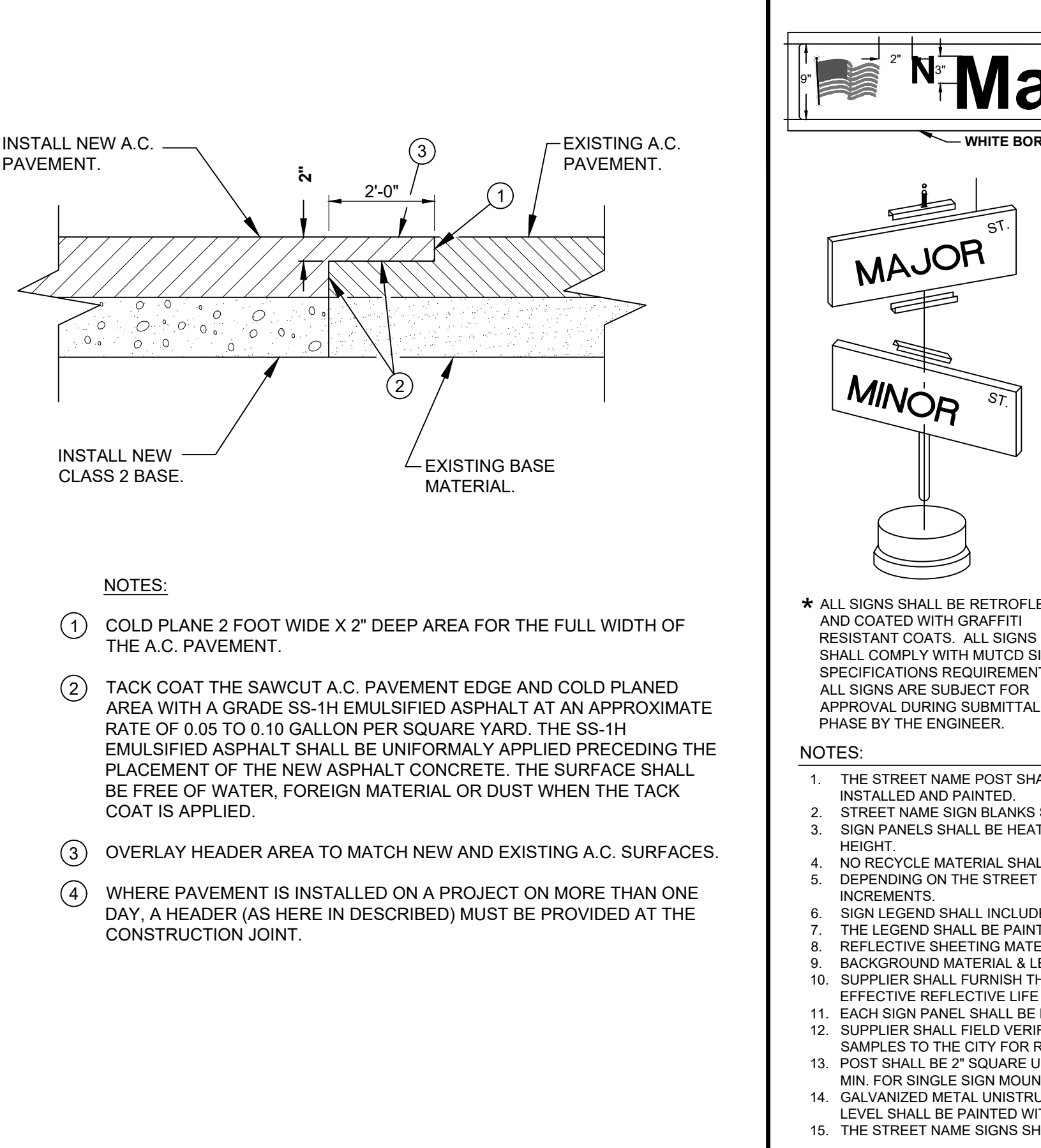
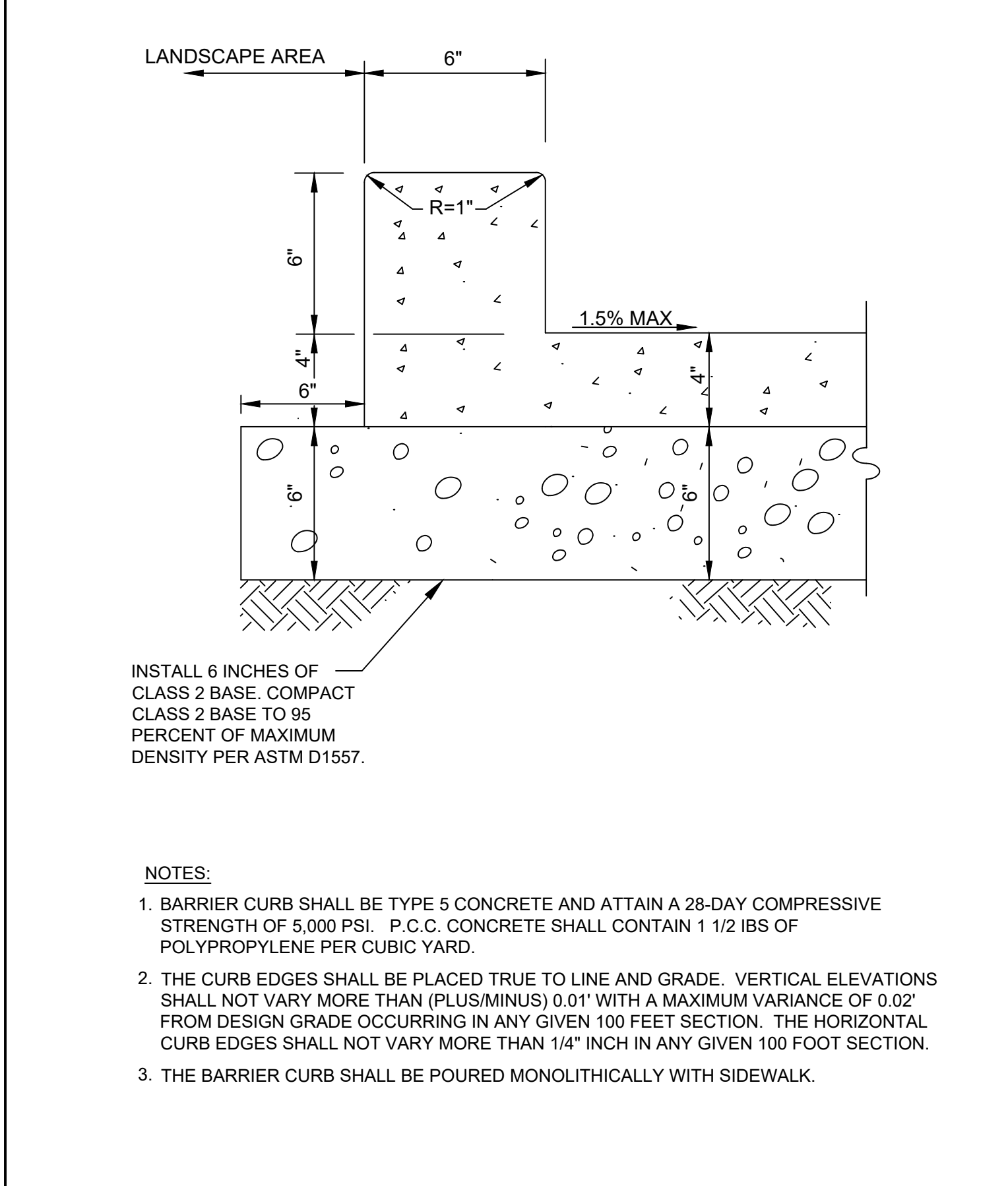


6-INCH P.C.C. CURB AND GUTTER DETAIL **A**
CITY OF CALIPATRIA STANDARD DETAIL S-117.
NTS

P.C.C. SIDEWALK DETAIL **B**
CITY OF CALIPATRIA MODIFIED STANDARD DETAIL S-122
NTS

RESIDENTIAL DRIVEWAY DETAIL **C**
CITY OF CALIPATRIA MODIFIED STANDARD DETAIL S-126
NTS

EXISTING VALVE RISER DETAIL **D**
NTS



6-INCH P.C.C. VARIABLE BARRIER CURB DETAIL **E**
NTS

COLD PLANE DETAIL **F**
CITY OF CALIPATRIA STANDARD DETAIL S-129
NTS

STOP AND STREET SIGN DETAIL **G**
CITY OF CALIPATRIA STANDARD DETAIL S-130
NTS

MANHOLE FRAME AND COVER **H**
NTS

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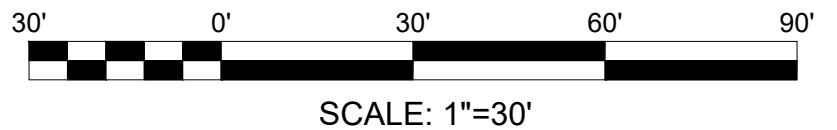
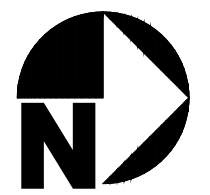
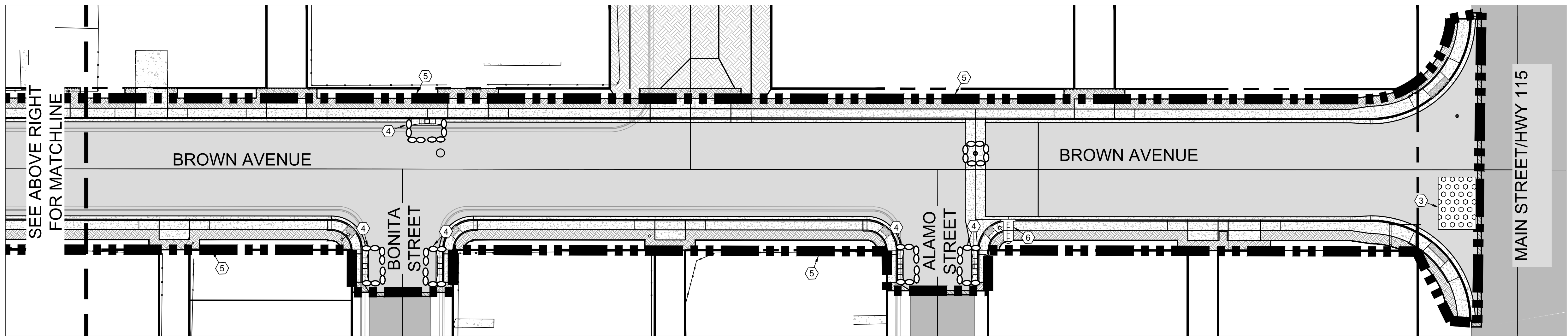
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SHEET 10
OF 15 SHEETS

JOB NO. 142.322

DETAIL SHEET



CONSTRUCTION BMPs FOR IMPROVEMENTS

BMP NO.	ITEM	UNIT	QUANTITY	NOTES/ COMMENT
-	CONSTRUCTION SITE AND SWPPP MANAGEMENT	LS	N/A	SITE MANAGEMENT, INSPECTION AND MONITORING BY A QSP TO COMPLY WITH WPCP REQUIREMENTS WITHIN CALTRANS ROW, PROVIDED BY THE CONTRACTOR INCLUDING, BUT IS NOT LIMITED TO, NS-1 THROUGH NS-15 AND WM-1 THROUGH WM-10. REFER TO LATEST CALTRANS STANDARD PLANS AND SPECIFICATIONS AND CALTRANS CONSTRUCTION SITE BMPs MANUAL.
SE-7	STREET SWEEPING	LS	N/A	STREET SWEEPING SHALL BE PERFORMED DAILY AND AS NECESSARY TO ENSURE TRAVEL WAYS ARE FREE OF DIRT.
SE-6	TEMPORARY GRAVEL BAG	EACH	8	INSTALL TWO (2) LAYER GRAVEL-FILLED BAGS AT AND ALONG THE DOWNSTREAM LOCATIONS OF THE NEW CONCRETE STORMWATER CONVEYANCE FACILITIES. SEE DETAIL D ON SHEET 13.
WE-1	WIND EROSION CONTROL	LS	N/A	MAINTAIN DUST CONTROL THROUGHOUT THE ENTIRE SITE FOR THE DURATION OF THE PROJECT. WATER TRUCKS, OR EQUIVALENT BMP, SHALL BE USED FOR DUST SUPPRESSION.
TC-1 & TC-3	TEMPORARY CONSTRUCTION ENTRANCE/ EXIT WITH TIRE WASH	EACH	1	THE CONSTRUCTION ENTRANCES SHALL BE INSTALLED AND MAINTAINED UNTIL FINAL PAVEMENT CONSTRUCTION IS COMPLETE. THE CONTRACTOR IS RESPONSIBLE FOR TRACKING CONTROL THROUGH REGULAR STREET SWEEPING, GRIZZLY PADS, OR OTHER TRACKING CONTROL MEANS.
WM-8	CONCRETE WASTE WASH OUT AREA	EACH	1	A CONCRETE WASH OUT AREA IS TO BE INSTALLED AND MAINTAINED AT THE CITY OF CALIPATRIA PUBLIC WORK'S STOCKYARD.
-	TEMPORARY RESTROOM FACILITIES	EACH	2	THE RESTROOM FACILITIES SHALL BE SECURED FROM OVERTURNING IN HIGH WIND CONDITIONS
-	RAIN GAUGE	EACH	1	INSTALL A RAIN GAUGE PER THE CALTRANS CONSTRUCTION SITE MONITORING PROGRAM GUIDANCE MANUAL.

GENERAL EROSION CONTROL NOTES:

1. EROSION CONTROL PLAN INCLUDES ALL POSSIBLE BMPs FOR THE CONSTRUCTION OF THIS PROJECT. CONTRACTOR SHALL APPLY APPROPRIATE BMPs FOR EACH PHASE OF CONSTRUCTION.
2. DURING MASS GRADING ACTIVITIES, STREETS WILL BE SWEEPED AS NECESSARY TO PREVENT DIRT AND DUST FROM LEAVING THE CONSTRUCTION AREA.
3. CONTRACTOR SHALL PROVIDE ADEQUATE DUST SUPPRESSION TO MEET ALL LOCAL AIR POLLUTION CONTROL DISTRICT REQUIREMENTS INCLUDING ALL DETOUR SIDE ROADS.
4. ALL BEST MANAGEMENT PRACTICES SHALL MEET THE REQUIREMENTS OF THE LATEST VERSION OF CASQA STORMWATER BEST MANAGEMENT PRACTICE HANDBOOK.
5. SITE DISTURBING ACTIVITIES SHALL NOT COMMENCE UNTIL APPROVAL TO DO SO HAS BEEN RECEIVED BY GOVERNING AUTHORITIES.
6. NO SITE CLEARING OR GRADING SHALL BEGIN UNTIL ALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED.
7. GENERAL CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL ORDINANCE THAT APPLY.
8. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTION.
9. GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO TAKE WHATEVER MEANS NECESSARY TO ESTABLISH PERMANENT SOIL STABILIZATION ON ANY EXPOSED AREAS WHEN THE PROJECT IS COMPLETE.

BMP KEYNOTES

- ① CONTRACTOR SHALL LOCATE THE PORTABLE RESTROOM FACILITIES TO A LOCATION APPROVED BY THE ENGINEER. SEE DETAIL B FOR TYPICAL STAGING AREA ON SHEET 13.
- ② INSTALL CONCRETE WASHOUT AREA PER CALIFORNIA BMP HANDBOOK WM-8 DETAILS. SEE DETAIL A ON SHEET 13.
- ③ INSTALL CONSTRUCTION ENTRANCE AND TIRE WASH AREA PER CALIFORNIA BMP HANDBOOK TC-1 AND TC-3 DETAILS. SEE DETAIL C ON SHEET 13.
- ④ INSTALL GRAVEL BAGS AFTER INSTALLATION OF THE CATCH BASINS ALONG BONITA STREET AND ALAMO STREET PER CALIFORNIA BMP HANDBOOK SE-6 DETAIL. SEE DETAIL D ON SHEET 13.
- ⑤ LIMITS OF CONSTRUCTION
- ⑥ INSTALL A RAIN GAUGE PER THE CALTRANS CONSTRUCTION SITE MONITORING PROGRAM GUIDANCE MANUAL.

LEGEND

PORTABLE TOILET	
CONCRETE WASHOUT AREA	
CONSTRUCTION ENTRANCE	
GRAVEL BAGS	
LIMITS OF CONSTRUCTION	
RAIN GAUGE	



CITY OF CALIPATRIA PUBLIC WORK DEPARTMENT'S STOCKYARD LOCATION TO BE USED AS STAGING AREA
NOT TO SCALE

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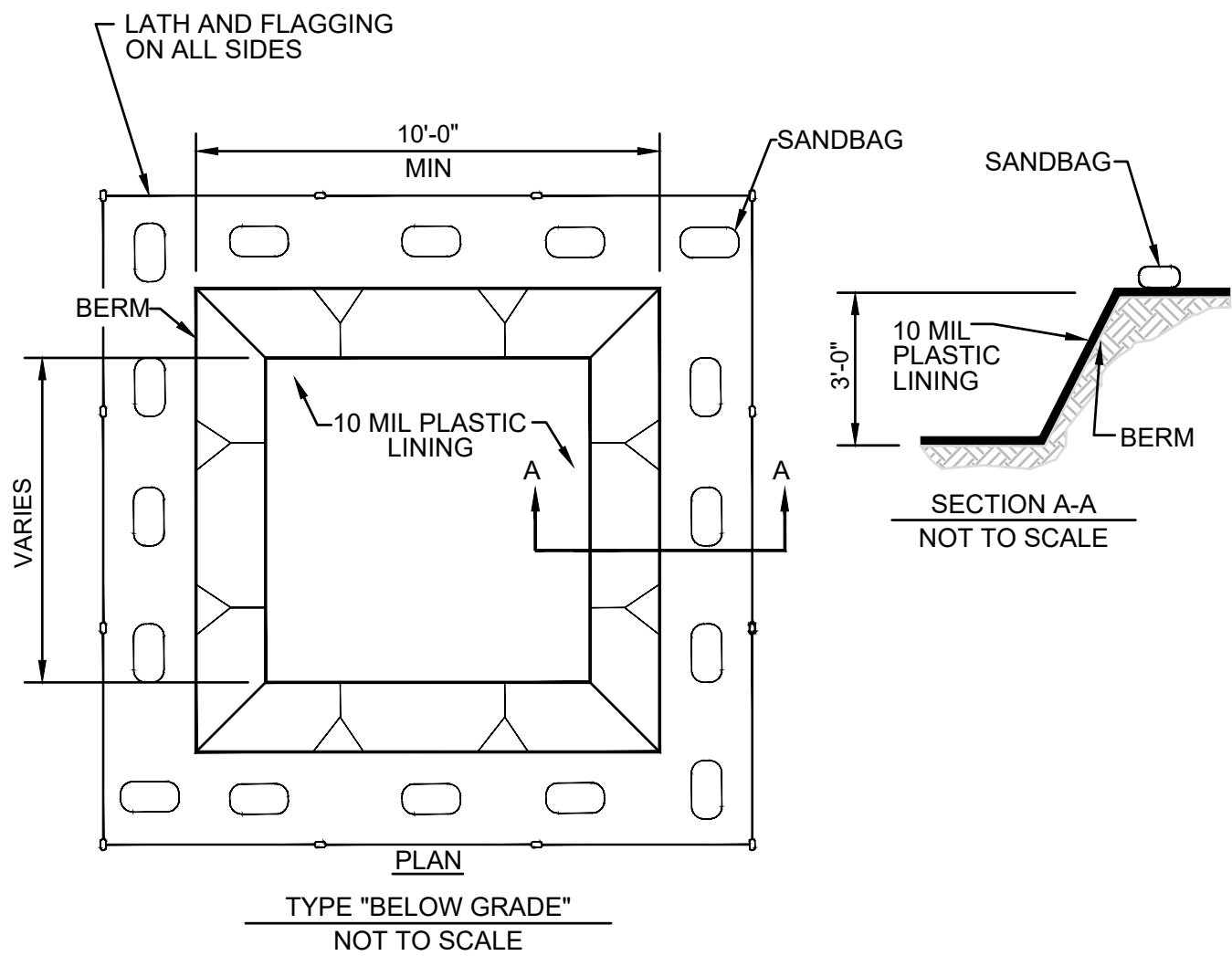
SHEET

12

OF 15 SHEETS

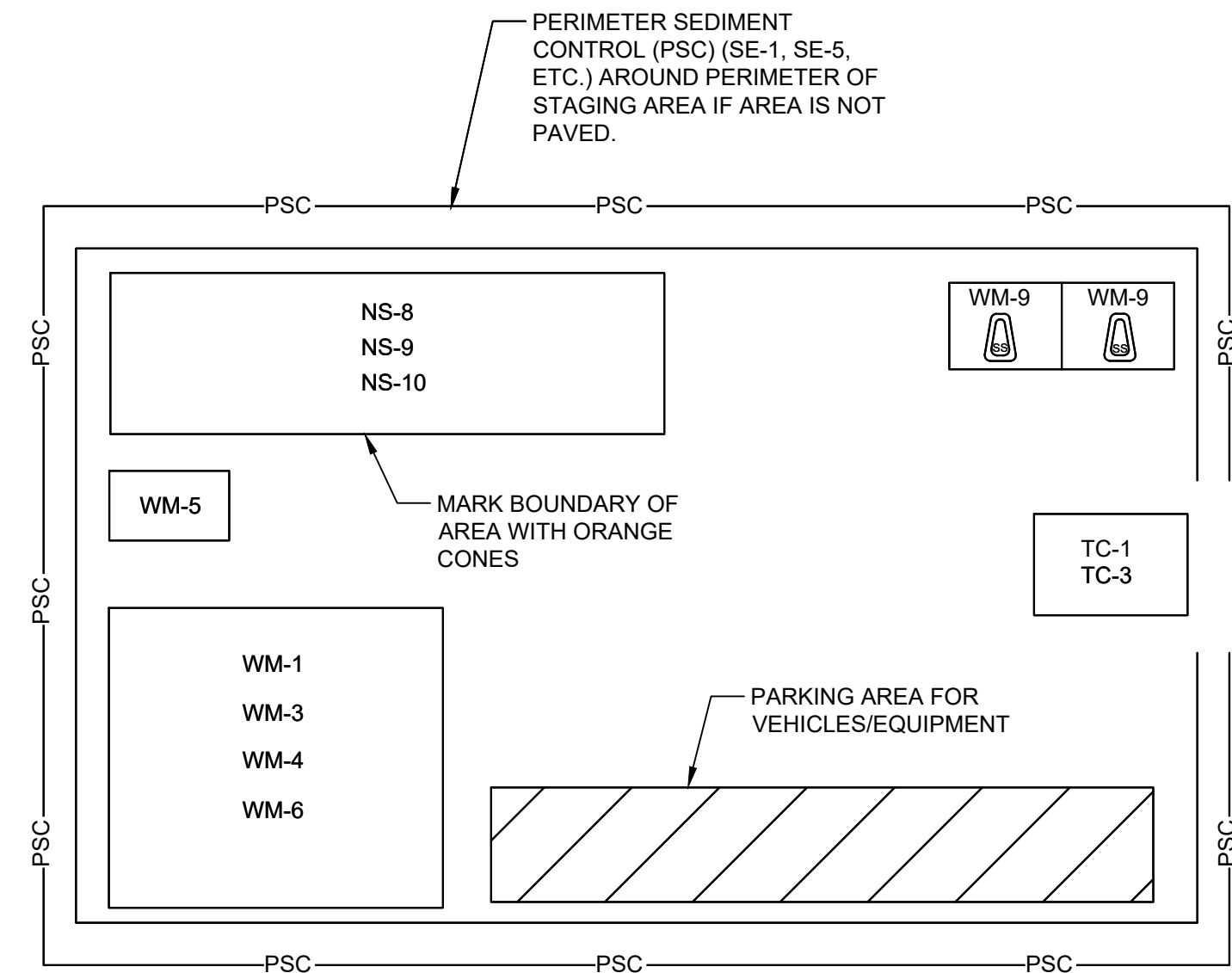
JOB NO.
142.322

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NOTE:
CONTRACTOR SHALL USE A TEMPORARY WASHOUT AREA AT AREAS WHERE A PERMANENT CONCRETE WASHOUT IS NOT ALLOWED.

CONCRETE WASHOUT AREA - DETAIL A



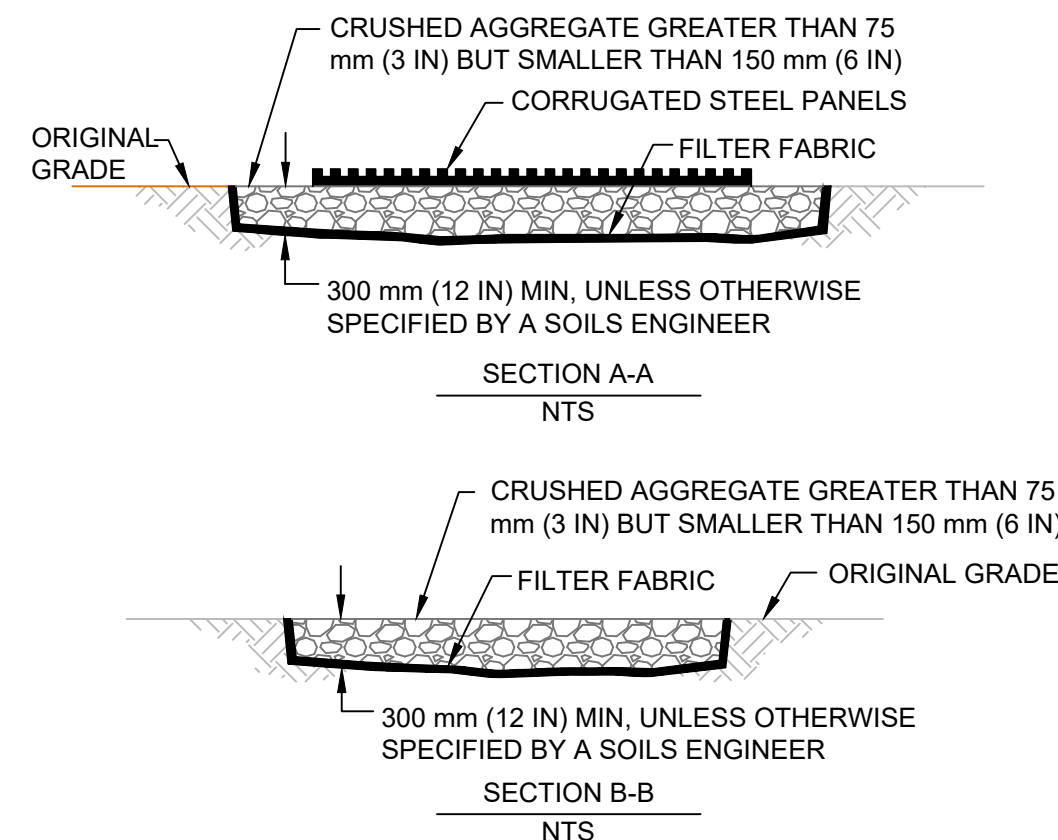
TYPICAL STAGING AREA LAYOUT

- NOTES:
1. CONTRACTOR SHALL ADJUST THE LAYOUT OF STAGING AREA BASED ON PROJECT SITE CONDITIONS AS NECESSARY.
 2. CONTRACTOR SHALL IMPLEMENT PERIMETER SEDIMENT CONTROL FOR STAGING AREA BASED ON PROJECT SITE CONDITIONS UPON THE APPROVAL OF THE RESIDENT ENGINEER.

LEGEND

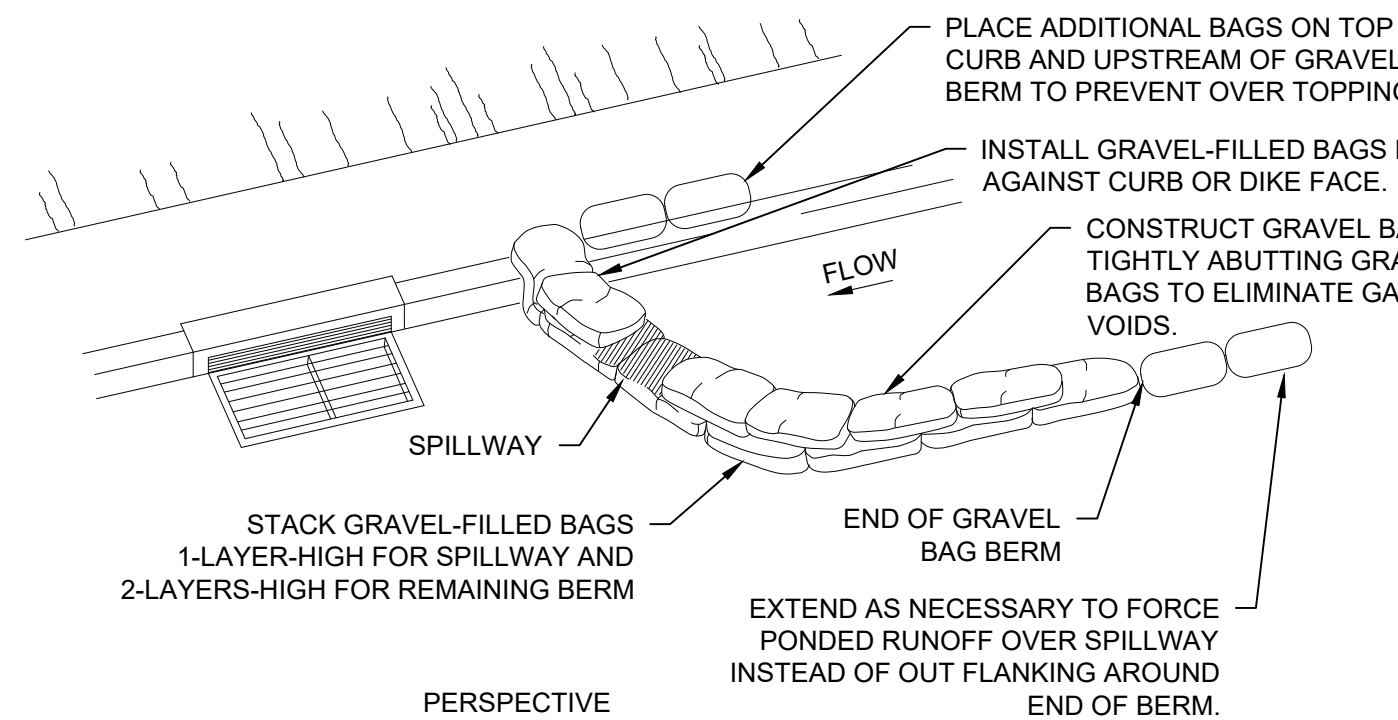
- SE-1 SILT FENCE
- SE-5 FIBER ROLLS
- NS-8 VEHICLE AND EQUIPMENT CLEANING
- NS-9 VEHICLE AND EQUIPMENT FUELING
- NS-10 VEHICLE AND EQUIPMENT MAINTENANCE
- WM-1 MATERIAL DELIVERY AND STORAGE
- WM-3 STOCKPILE MANAGEMENT
- WM-4 SPILL PREVENTION AND CONTROL
- WM-5 SOLID WASTE MANAGEMENT
- WM-6 HAZARDOUS WASTE MANAGEMENT
- WM-9 SANITARY/SEPTIC WASTE MANAGEMENT
- TC-1 STABILIZED CONSTRUCTION ENTRANCE/EXIT
- TC-3 TEMPORARY ENTRANCE/OUTLET TIRE WASH
- WE-1 WIND EROSION CONTROL (TO BE IMPLEMENTED FOR UNPAVED/NATIVE AREAS STOCKPILE MANAGEMENT)

TYPICAL STAGING AREA - DETAIL B
NOT TO SCALE

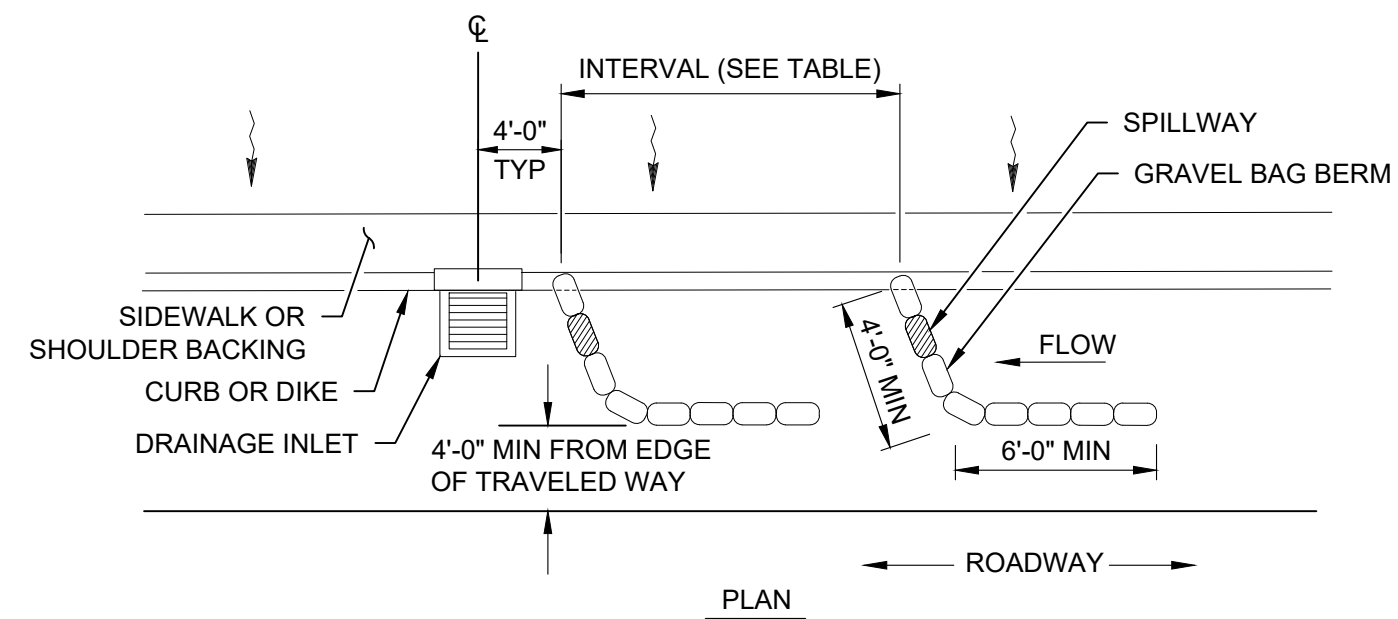


NOTE:
MANY DESIGNS CAN BE FIELD FABRICATED, OR FABRICATED UNITS MAY BE USED AS LONG AS DESIGN IS ADEQUATE FOR FULL LENGTH CONSTRUCTION TRUCK VEHICLES.

CONSTRUCTION ENTRANCE - DETAIL C
NOT TO SCALE



PERSPECTIVE



PLAN

TEMPORARY DRAINAGE
INLET PROTECTION (TYPE 3A)
(GRAVEL BAG BERM)

GRAVEL BAG BERM (TYPE 3A) SPACING TABLE					
SLOPE OF ROADWAY (PERCENT)	1 to 3.9	4 to 5.9	6 to 7.9	8 to 10	10+
INTERVAL BETWEEN BERM	100'	75'	50'	25'	12'

For slope of less than 1%, install barriers only if erosion/sediment is prevalent

GRAVEL BAG DETAIL - DETAIL D
NOT TO SCALE

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NO. REVISIONS:

APPROVED

DATE

DESIGN BY:

RSN

DRAWN BY:

RSN, AD, JM, CG

CHECKED BY:

RSN

PROJECT BENCH MARK:

"Q 1225 1971"
THE STATION IS LOCATED MARK IS A STANDARD BENCHMARK DISK SET ON TOP OF A CONCRETE HEADWALL. THE BENCHMARK IS LOCATED 3 MILES SOUTH OF THE CITY OF CALIPATRIA ALONG THE SOUTHERN PACIFIC COMPANY RAILROAD AT THE CROSSING OF QUAY ROAD AND NARCISUS LATERAL. IN THE TOP AND 0.6 FOOT NORTH OF THE SOUTH END OF THE WEST RAIL, 83 FEET NORTH OF THE CENTERLINE OF THE ROAD.
EL. 838.82



PREPARED UNDER THE DIRECT SUPERVISION OF:

ROLANDO SANCHEZ

05/19/2025

DATE

90701

R.C.E. NO.

12/31/25

REG. EXP.

PROJECT TITLE: CITY OF CALIPATRIA

SOUTH BROWN AVENUE ROADWAY AND PEDESTRIAN FACILITIES IMPROVEMENT PROJECT BETWEEN MAIN STREET / STATE ROUTE 115 AND CHURCH AVENUE

SHEET CONTENT:

EROSION CONTROL DETAILS

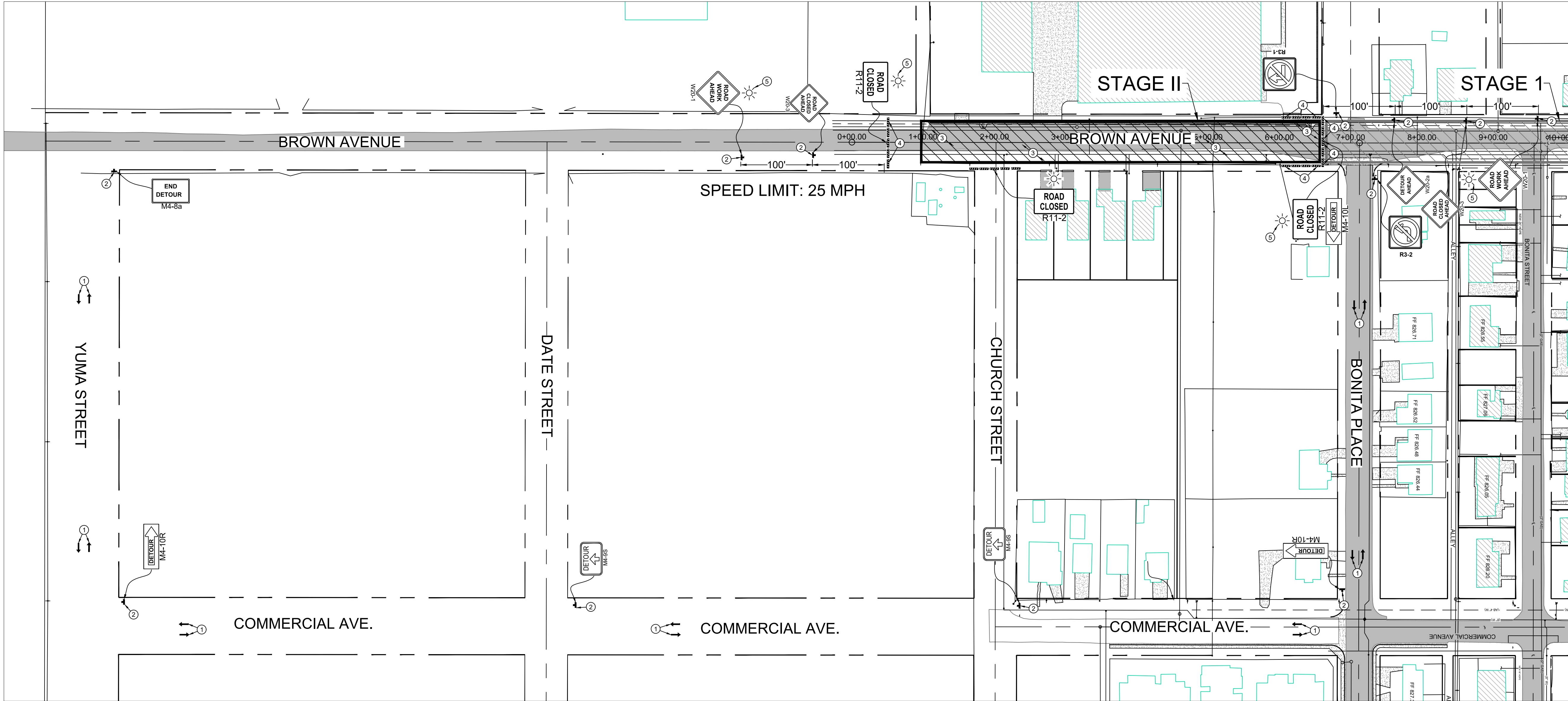
SHEET

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GENERAL TRAFFIC CONTROL NOTES

- ALL TRAFFIC CONTROL DEVICES FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF CALTRANS STANDARD PLANS AND SPECIFICATIONS AND CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD) AND CA MUTCD SUPPLEMENT UNLESS SPECIFIED OTHERWISE.
- TRAFFIC CONTROL SHOWN HEREIN IS THE MINIMUM REQUIRED. ADDITIONAL TRAFFIC CONTROL MAY BE REQUIRED TO FACILITATE PUBLIC SAFETY AND TRAFFIC FLOW IF DEEMED NECESSARY BY THE CITY OF CALIPATRIA PUBLIC WORKS DEPARTMENT REPRESENTATIVE, CALTRANS REPRESENTATIVE, OR THE RESIDENT ENGINEER. THESE CHANGES MAY BE ACCOMPLISHED IN THE FIELD.
- TRAFFIC CONTROL DEVICES SHOWN ON PLANS ARE LOCATED APPROXIMATELY AND SHALL BE ADJUSTED AS REQUIRED TO MEET FIELD CONDITIONS. ALL SUCH CHANGES MADE DUE TO FIELD CONDITIONS SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF CALTRANS STANDARD PLANS AND SPECIFICATIONS, CA MUTCD AND CITY OF CALIPATRIA STANDARDS AND SPECIFICATIONS.
- THROUGHOUT EACH WORK PERIOD, CONTRACTOR SHALL INSPECT TRAFFIC CONTROL (SIGNS, BARRICADES AND DELINEATORS) AND MAINTAIN SAME IN ACCORDANCE WITH TRAFFIC CONTROL PLANS.
- ACCESS TO PRIVATE PROPERTY SHALL BE MAINTAINED AT ALL TIMES.
- ALL SIGNS SHALL BE HIGH INTENSITY REFLECTIVE. ALL TRAFFIC CONTROL DEVICES SHALL BE REFLECTIVE WITH FLASHING LIGHTS FOR NIGHT TIME TRAFFIC CONTROL.
- THE INTENSITY AND DISTRIBUTION OF LIGHT FROM EACH ILLUMINATED SIGNAL LENS SHOULD CONFORM TO THE CURRENT STANDARDS FOR VEHICLE TRAFFIC CONTROL SIGNAL HEADS" AND "TRAFFIC SIGNAL LAMPS" (SEE SECTION 1A.11 OF LATEST VERSION OF CA MUTCD). IF A SIGNAL INDICATION IS OPERATED IN THE FLASHING MODE FOR NIGHTTIME OPERATION AND THE SIGNAL INDICATION IS SO BRIGHT AS TO CAUSE EXCESSIVE GLARE, SOME FORM OF AUTOMATIC DIMMING SHOULD BE USED TO REDUCE THE BRILLIANCE OF THE SIGNAL INDICATION.
- REFER TO THE LATEST REVISION OF CA MUTCD AND CALTRANS STANDARD PLANS AND SPECIFICATIONS REGARDING THE NOTES FOR EACH TYPICAL APPLICATION CALLED OUT ON THIS PLAN.
- CONTRACTOR SHALL INSPECT TRAFFIC CONTROL AT THE BEGINNING AND AT THE END OF EACH WORKING DAY TO ENSURE COMPLIANCE WITH THESE PLANS.
- CONTRACTOR SHALL INSTALL ADA COMPLIANT TEMPORARY RAMPS BETWEEN THE EDGE OF THE EXISTING CURB RETURN/ HANDICAP RAMP AND EXCAVATED SURFACE AT THE END OF EACH WORK DAY.
- CONTRACTOR SHALL INSTALL CLASS 2 BASE UP TO FINISHED GRADE ELEVATION AFTER SAWCUT AND REMOVAL OF EXISTING A.C. BARRIER CURB / A.C PAVEMENT SECTION / P.C.C. SIDEWALK. PRIOR TO OPENING THE LANE TO TRAFFIC, CONTRACTOR SHALL PLACE CLASS 2 BASE FROM THE EXISTING EDGE OF PAVEMENT TO THE EDGE OF THE SAWCUT AREA AT A SLOPE NO STEEPER THAN 6:1.
- CONTRACTOR SHALL PROVIDE FLAG PERSONNEL AT THE INTERSECTION OF HWY 115 AND INDUSTRIAL AVENUE DURING WORK HOURS TO ASSIST PEDESTRIAN THROUGH WORK AREA AND ASSIST CROSSING SR-115. CONTRACTOR SHALL INSTALL TEMPORARY TRAFFIC CONTROL DEVICES ACCORDING TO CALTRANS STANDARD PLANS T30 TO T32 IF REQUIRED TO PROVIDE TEMPORARY PEDESTRIAN ACCESS AT ALL INTERSECTIONS AFFECTED BY THE PROPOSED CONSTRUCTION ACTIVITIES.
- IF A PORTION OF THE CONSTRUCTION AREA IS OPEN AT THE END OF THE WORK DAY, EACH EXPOSED SECTION MUST BE COMPLETELY FILLED WITH CLASS 2 BASE MATERIAL AND SURROUNDED WITH BARRICADES AND TAPE OR AS APPROVED BY THE CITY ENGINEER.
- ALL ADJACENT BUSINESSES, RESIDENCES, SCHOOLS AND CHURCHES SHALL BE DULY NOTIFIED BY THE CONTRACTOR, IN WRITING, OF HIS PROPOSED OPERATIONS. NOTICE SHALL BE DELIVERED AT LEAST TWO (2) WORKING WEEKS PRIOR TO START OF CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPRODUCTION OF NOTIFICATION LETTERS. THE NOTIFICATION LETTERS SHALL BE WRITTEN IN ENGLISH AND SPANISH LANGUAGES. RE-NOTIFICATION WILL BE REQUIRED IF THE CONTRACTOR'S SCHEDULE IS ALTERED OR OTHER DELAYS OCCUR WHICH AFFECT THE PROJECT SCHEDULE.
- IF CONSTRUCTION OCCURS DURING THE SCHOOL YEAR, CONTRACTOR SHALL NOTIFY IN WRITING TO THE CALIPATRIA ELEMENTARY SCHOOL DISTRICT AND CALIPATRIA UNION HIGH SCHOOL DISTRICT OF THE PROPOSED ROAD CLOSURES AT LEAST TWO (2) WEEKS PRIOR TO START OF CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL COORDINATE WITH THE SCHOOL DISTRICTS ANY ADDITIONAL TRAFFIC CONTROL THAT MAY BE REQUIRED FOR SCHOOL BOUND PEDESTRIAN AND VEHICULAR TRAFFIC.
- THE CONTRACTOR SHALL MAKE ACCOMMODATIONS TO ALLOW REGULARLY SCHEDULED SOLID WASTE DISPOSAL PICK UP ALONG THE AFFECTED STREET SECTIONS DURING THE PROJECT CONSTRUCTION PERIOD.
- CONTRACTOR SHALL COVER EXISTING TRAFFIC SIGNS, TRAFFIC SIGNALS, OR PEDESTRIAN SIGNAL INDICATIONS SHOULD SAID CONTROLS CONFLICT WITH TEMPORARY TRAFFIC CONTROL PLAN OR AS DIRECTED BY THE CITY OF CALIPATRIA.
- WHENEVER THE WORK CAUSES OBLITERATION OF PAVEMENT DELINEATION, TEMPORARY OR PERMANENT PAVEMENT DELINEATION SHALL BE IN PLACE PRIOR TO OPENING THE TRAVELED WAY TO PUBLIC TRAFFIC. LANE LINES AND CENTERLINE PAVEMENT DELINEATION SHALL BE PROVIDED AT ALL TIMES FOR TRAVELED WAYS OPEN TO THE PUBLIC TRAFFIC.
- FLAGGERS SHALL BE CERTIFIED IN FLAGGING PROCEDURES. FLAGGERS SHALL COORDINATE THEIR EFFORTS AND STAY IN CONSTANT COMMUNICATION VIA TWO WAY RADIOS, TO PREVENT EXCESSIVE QUEUING OF TRAFFIC AND TO PROVIDE SAFE AND SMOOTH OPERATION THROUGHOUT THE WORK ZONE.
- ALL ADVANCED WARNING SIGNS SHALL BE EQUIPPED WITH FLAGS FLASHING YELLOW BEACONS, TYPE-B SHALL BE USED ON ALL W20-1, W20-2, C-19 SIGNS AND ON ALL TYPE-III AND TYPE-II BARRICADES GUARDING THE WORK AREA OVERNIGHT.

~ LATEST VERSION OF CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD) IS CA MUTCD 2014 ~
*** A COPY OF CA MUTCD 2014 CAN BE OBTAINED FROM
"HTTP://WWW.DOT.CA.GOV/HQ/TRAFFOPS/ENGINEERING/MUTCD/CA_MUTCD2014.HTM" ***

TRAFFIC CONTROL STAGES DESCRIPTION:

- STAGE 1.** SOUTH BROWN AVENUE FULL CLOSURE BETWEEN MAIN STREET / HIGHWAY 115 AND BONITA PLACE. THE CLOSURE STARTS SOUTH OF THE INTERSECTION OF SOUTH BROWN AVENUE AND MAIN STREET / HIGHWAY 115, INCLUDING THE SOUTHERLY EASTBOUND LANE OF MAIN STREET / HIGHWAY 115. THE CLOSURE ENDS SOUTH OF THE INTERSECTION OF SOUTH BROWN AVENUE AND BONITA PLACE. SEE THE SOUTH BROWN AVENUE CALTRANS IMPROVEMENT PLANS FOR STAGE 1 TRAFFIC CONTROL PLAN.
- STAGE 2.** SOUTH BROWN AVENUE FULL CLOSURE BETWEEN BONITA PLACE AND CHURCH STREET. THE CLOSURE STARTS ON THE SOUTH SIDE OF THE INTERSECTION OF SOUTH BROWN AVENUE AND BONITA PLACE. THE CLOSURE ENDS APPROXIMATELY 100 FEET SOUTH OF THE INTERSECTION OF SOUTH BROWN AVENUE AND CHURCH STREET. SEE TRAFFIC CONTROL PLAN ON THIS SHEET.

TRAFFIC CONTROL LEGEND/KEYNOTES					
ITEM NO.	ITEM DESCRIPTION	ITEM	ITEM NO.	ITEM DESCRIPTION	ITEM
①	DIRECTION OF TRAFFIC	➡	④	TYPE III BARRICADE	▤▤▤
②	WARNING/REGULATORY SIGN	⚠	⑤	FLASHING BEACON	💡
③	WORK AREA	▨			

- NOTES:**
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SPRAYING WATER FOR DUST CONTROL ON ALL UNPAVED STREETS USED AS DETOUR.
 - DIMENSIONS LABELED "NTS" SHOWN IN THIS PLAN SHEET ARE NOT TO SCALE

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NO.	REVISIONS:	APPROVED	DATE
UNAUTHORIZED CHANGES & USES: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.			

DESIGN BY:
RSN

DRAWN BY:
RSN, AD, JM, CG

CHECKED BY:
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SHEET CONTENT:
TRAFFIC CONTROL PLAN

SHEET
14
OF 15 SHEETS

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