ECUA Engineering Manual Reference Note*

*note shall be inserted in the upper right corner of title sheet

* applicable only to ECUA infrastructure to be constructed in public ROW or in utility easement; not to be applied to private water/sewer facilities on private property (see Building Code)

A. ECUA Engineering Manual Incorporated by Reference

The ECUA Engineering Manual, dated December 18, 2014, along with Update # 1 dated September 1, 2016 (hereinafter "Manual"), located at www.ecua.fl.gov, is hereby incorporated by reference into this Project's official contract documents as if fully set forth therein. It is the Contractor's responsibility to be knowledgeable of the Manual's contents and to construct the Project in accordance with the Manual. The Contractor shall provide its employees access to the Manual at all times, via Project site or office, via digital or paper format. In the event of a conflict between the Manual and Plans, Contractor shall consult Engineer of Record for proper resolution.

B. Additional Documents (to be completed by the Engineer of Record)

Does this Project have additional technical specifications or construction details that supplement and/or supersede the Manual listed above? ☐YES NO☐. If yes, Contractor shall construct Project in accordance with said documents as listed and located below:

Document Name	Document Type		Location	
	Specification	Detail	Plans	Project Manual*
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐

*Project Manuals used only with ECUA CIP Projects

C. Engineer of Record Responsibilities

The Engineers of Record (EORs) that have affixed their seals and signatures on these plans warrant their portions of the plans have been designed in accordance with the Manual (unless otherwise directed by the ECUA Project Engineer). The EORs shall be knowledgeable of the Manual's contents and shall assume responsibility for its use on this Project.

SITE SUMMARY:

PROPERTY OWNER:	CITY OF PENSACOLA
ADDRESS:	213 PALAFOX PLACE PENSACOLA, FL 32502
CONTACT:	DAVID FORTE (PROJECT MANAGER)
TELEPHONE NO.:	(850) 435-1647
ENGINEER:	DEWBERRY
ADDRESS:	139 E. GOVERNMENT STREET PENSACOLA, FL 32502
CONTACT:	DAVID B. TILLAR, JR., P.E.
TELEPHONE NO.:	850-760-0332
CONTRACTOR:	TBD
GPIN:	N/A
LATITUDE:	30.407
LONGITUDE:	87.212
TAX MAP NUMBER:	N/A
PROJECT ADDRESS:	ALONG MAIN ST. BETWEEN ALCANIZ ST. AND BAYLEN ST.
PRESENT ZONING:	N/A
PRESENT USE:	N/A
PROPOSED USE:	N/A
PARCEL ACREAGE:	N/A
LAND DISTURBANCE:	(OPEN WATER) 0 ACRES
PROPOSED BUILDING:	N/A
PARKING:	N/A

PROJECT DESCRIPTION:

THIS PROJECT CONSISTS OF THE COMPLETE STREET REVITALIZATION OF MAIN STREET. THIS PROJECT IS PHASE ONE OF THREE PHASES FOR THE CITY'S HASHTAG PROJECT. THE CITY OF PENSACOLA DESIRES TO CREATE MORE CONNECTED PUBLIC SPACES THAT HIGHLIGHT THE LOCAL ATTRIBUTES OF THE CITY'S HISTORIC WATERFRONT. THE CITY HAS IDENTIFIED THE 'HASHTAG' CONNECTOR PROJECT AS A CATALYST PROJECT THAT ENHANCES ITS ECONOMIC DEVELOPMENT, LINKS EXISTING ASSETS, BRINGS ITS CITIZENS TO THE WATER, AND CONNECTS EAST TO WEST WITH A CONTINUOUS WATERFRONT TRAIL. THE 'HASHTAG' CONNECTOR PROJECT CONSIST OF COMPLETE STREET REVITALIZATION OF MAIN STREET, CEDAR STREET, JEFFERSON STREET, AND PALAFOX. THE OVERALL PROJECT IS BOUND TO THE NORTH BY INTENDENCIA STREET, TO THE SOUTH BY PINE STREET, TO WEST BY SPRING STREET, AND TO THE EAST BY S. ADAMS STREET. THE TERM 'HASHTAG' IS REPRESENTATIVE OF THE PROJECT LIMITS AS VIEWED FROM THE AIR AND MIMIC THE HASHTAG OR POUND SIGN CHARACTER.

PLANS PREPARED BY:

Dewberry

139 E GOVERNMENT STREET,
PENSACOLA, FL 32502
(850) 760-0332

DEWBERRY PROJECT NO.:
50119780

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

ENGINEER'S STATEMENT

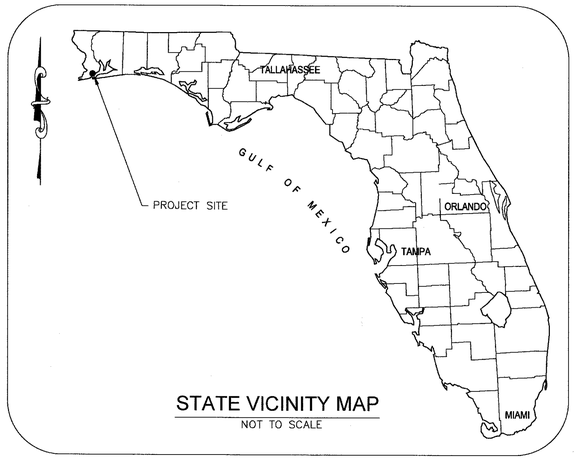
ALL PROPOSED ROADWAYS, DRAINAGE, AND OTHER IMPROVEMENTS WILL BE DESIGNED TO COMPLY WILL ALL APPLICABLE FEDERAL, STATE, AND LOCAL DEVELOPMENT REQUIREMENTS SUCH AS :
THE FLORIDA GREEN BOOK
THE FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN MANUAL (FDM)
ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS
THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)
THE AMERICANS WITH DISABILITIES ACT (ADA)
THE FLORIDA DEPARTMENT OF TRANSPORTATION COMPLETE STREETS
THE FLORIDA DEPARTMENT OF TRANSPORTATION AND SMART GROWTH AMERICA COMPLETE STREETS IMPLEMENTATION PLAN
U.S. DEPARTMENT OF TRANSPORTATION ACCESSIBLE SHARED STREETS PUBLICATION F HWA-HEP-17-096

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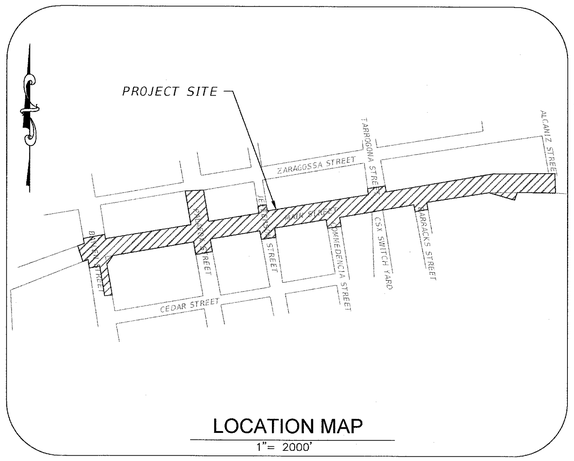
100% DESIGN BID SET
DECEMBER 2021

HASHTAG CONNECTOR PROJECT PHASE I MAIN STREET REVITALIZATION

PENSACOLA, FLORIDA 32502



STATE VICINITY MAP
NOT TO SCALE



LOCATION MAP
1"= 2000'

Sheet List Table

Sheet Number	Sheet Title
C1.0	Cover Sheet
C1.1	Signature Sheet
C1.2	Notes
C1.3	Specifications & Boring Logs
C2.0	Existing Conditions
C2.1	Existing Conditions
C2.2	Existing Conditions
C3.0	Demo and ESC Plan
C3.1	Demo and ESC Plan
C3.2	Demo and ESC Plan
C4.0	Site Layout Plan
C4.1	Site Layout Plan
C4.2	Site Layout Plan
C5.0	Site Dimensioning Plan
C5.1	Site Dimensioning Plan
C5.2	Site Dimensioning Plan
C6.0	Utility Layout Plan
C6.1	Utility Layout Plan
C6.2	Utility Layout Plan
C7.0	Grading And Drainage Plan
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C7.2	Grading And Drainage Plan
C8.0	Signing & Marking Plan
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C8.2	Signing & Marking Plan
C9.0	Construction Details
C9.1	Construction FDOT Details
C9.2	Construction FDOT Details
C9.3	Construction ECUA, FDOT & City Details
C9.4	FDOT Stormwater Drainage Details
C9.5	FDOT Stormwater Drainage Details
C9.6	FDOT Stormwater Drainage Details
C9.7	FDOT Stormwater Drainage Details
C9.8	FDOT Stormwater Drainage Details
C10.0	Overall MOT & Construction Phasing Plan
C10.1	Construction & MOT Phasing Plan
C10.2	Maintenance of Traffic Plan
C10.3	Maintenance of Traffic Plan
C10.4	Maintenance of Traffic Plan
C10.5	Maintenance of Traffic Plan
C11.0	FDOT Cross Sections
L1.00	Overall Plan
L1.10	Hardscape Plan
L1.11	Hardscape Plan
L1.12	Hardscape Plan
L1.20	Hardscape Details
L2.10	Landscape Plan
L2.11	Landscape Plan
L2.12	Landscape Plan
L2.30	Landscape Notes and Details
L2.31	Landscape Schedule
L3.00	Soil Plan
T-1	Signalization Plan General Notes
T-2	Signalization Plan - E. Main St. at S. Palafox St.
T-3	Signalization Plan - E. Main St. at S. Jefferson St. - Sheet 1 of 2
T-4	Signalization Plan - E. Main St. at S. Jefferson St. - Sheet 2 of 2
T-5	Mast Arm Details - Loading Diagram - Pole No. 1
T-6	Mast Arm Details - Loading Diagram - Pole No. 2

Dewberry

139 E. GOVERNMENT STREET
PENSACOLA, FL 32502
(850) 760-0332

HASHTAG CONNECTOR PROJECT
PHASE ONE
MAIN STREET REVITALIZATION
CITY OF PENSACOLA, FLORIDA

SEAL

DAVID B. TILLAR
LICENSE
No. 86284
21 DEC 21
STATE OF FLORIDA
PROFESSIONAL ENGINEER

BID SET
NOT FOR CONSTRUCTION

SCALE

AS SHOWN

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY	G.P. EDWARDS
APPROVED BY	D. TILLAR
CHECKED BY	C. WILSON
DATE	MAY 2020

TITLE

COVER SHEET

PROJECT NO. 50119780

C1.0

SHEET NO.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL.

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

DEWBERRY ENGINEERS, INC.
139 EAST GOVERNMENT STREET
PENSACOLA, FL 32502-5801

DAVID B. TILLAR, P.E. COA# 8794
FL. PE No. 86282

THE ABOVE NAME PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

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DEWBERRY ENGINEERS, INC.
139 EAST GOVERNMENT STREET
PENSACOLA, FL 32502-5801

J. TODD BROOKS, P.E.
FL. PE No. 84693

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DEWBERRY ENGINEERS, INC.
139 EAST GOVERNMENT STREET
PENSACOLA, FL 32502-5801

MICHAEL JOHN URCHUK, R.L.A.
FL. R.L.A. No. 6666675

THE ABOVE NAME PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

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Dewberry
139 E. GOVERNMENT STREET
PENSACOLA, FL 32502
(850) 760-0332

HASHTAG CONNECTOR PROJECT
PHASE ONE
MAIN STREET REVITALIZATION
CITY OF PENSACOLA, FLORIDA

SEAL

BID SET
NOT FOR CONSTRUCTION

SCALE

AS SHOWN

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY	G.P. EDWARDS
APPROVED BY	D. TILLAR
CHECKED BY	C. WILSON
DATE	MAY 2020

TITLE

SIGNATURE SHEET

PROJECT NO. 50119780

C1.1

SHEET NO.

GENERAL NOTES: (AS APPLICABLE TO PROJECT)

1. CONTRACTOR TO COORDINATE WITH LOCAL UTILITY COMPANIES FOR REMOVAL AND RELOCATION OF EXISTING UTILITY POLES, AERIAL LINES, WATER LINES, GAS LINES, AND OTHER UTILITIES AS NECESSARY.
2. ALL SITE WORK MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF PENSACOLA STANDARD SPECIFICATIONS, UNLESS NOTED OTHERWISE IN THE CONSTRUCTION DOCUMENTS.
3. ADEQUATE PROVISIONS SHALL BE MADE FOR FLOW OF SEWERS, DRAINS, AND WATER COURSES ENCOUNTERED DURING CONSTRUCTION.
4. THE CONTRACTOR SHALL PLACE AND MAINTAIN ADEQUATE BARRICADES CONSTRUCTION SIGNS, FLASHING LIGHTS, TORCHES, RED LANTERNS AND GUARDS DURING PROGRESS OF CONSTRUCTION WORK AND UNTIL IT IS SAFE FOR BOTH PEDESTRIAN AND VEHICULAR TRAFFIC.
5. THE CONTRACTOR IS REQUIRED TO VISIT THE SITE AND FAMILIARIZE HIMSELF WITH THE PROJECT PRIOR TO BIDDING.
6. BURNING SHALL NOT BE PERMITTED ONSITE OR WITHIN CITY LIMITS.
7. THE CONTRACTOR SHALL COMPLY WITH ANY TESTING REQUIRED BY THE LOCAL GOVERNING AGENCY IN ADDITION TO THE TESTING REQUIREMENTS OUTLINED IN THE CONSTRUCTION DOCUMENTS. TESTING SHALL BE PAID FOR BY THE OWNER. CONTRACTOR SHALL COORDINATE AND ASSIST TESTING LABORATORIES WITH TESTING. ANY NECESSARY RE-TESTING SHALL BE PAID FOR BY THE CONTRACTOR.
8. EROSION AND SEDIMENTATION CONTROLS WILL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR AT ALL TIMES AS PER CITY REQUIREMENTS.
9. THE CONTRACTOR SHALL TAKE WHATEVER STEPS NECESSARY TO PREVENT AND CONTROL EROSION AND SEDIMENTATION. AREAS OF CONTROL AND TYPICAL SECTION OF BARRIERS ARE SUGGESTIONS ONLY AND DO NOT RELIEVE THE CONTRACTOR OF ANY RESPONSIBILITY TO PREVENT AND CONTROL EROSION AND SEDIMENTATION.
10. ALL SUITABLE EXCESS MATERIAL EXCAVATED AND NOT USED AS FILL SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR AND STOCKPILED AS DIRECTED BY THE OWNER.
11. CLEAR AND GRUB ONLY AS NECESSARY TO COMPLETE NEW CONSTRUCTION.
12. CONTRACTOR SHALL COMPLETE ALL WORK INDICATED IN CONSTRUCTION DOCUMENTS USING HAND LABOR IF NECESSARY OR APPROPRIATE.
13. THESE DRAWINGS REPRESENT KNOWN STRUCTURES AND UTILITIES LOCATED IN THE PROJECT AREA. THE CONTRACTOR IS CAUTIONED THAT OTHER STRUCTURES AND UTILITIES, ABOVE OR BELOW GROUND, MAYBE ENCOUNTERED DURING THE COURSE OF THE PROJECT. THE CONTRACTOR SHOULD NOTIFY THE PROJECT ENGINEER IMMEDIATELY UPON ENCOUNTERING ANY UNEXPECTED STRUCTURE, UTILITY LINE, OR OTHER UNUSUAL CONDITION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION AND DEPTH OF EXISTING UTILITIES AND TO DETERMINE IF OTHER UTILITIES WILL BE ENCOUNTERED DURING THE COURSE OF THE WORK AND TAKE WHATEVER STEPS NECESSARY TO PROVIDE FOR THEIR PROTECTION.
14. FAILURE OF THE PLANS TO SHOW THE EXISTENCE OF ANY UNDERGROUND UTILITY, STRUCTURES, ETC., SHALL NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY OF LOCATING, PRESERVING AND PROTECTING SAID UTILITY OR STRUCTURE.
15. CONTRACTOR SHALL SOD STORMWATER POND AND AREA AROUND POND DISTURBED BY CONSTRUCTION ACTIVITY. OWNER SHALL SOD OTHER AREAS OF PROJECT SITE. CONTRACTOR SHALL PREPARE ALL DISTURBED AREAS FOR SODDING. CONTRACTOR SHALL COORDINATE WITH OWNER FOR TIMING OF SODDING.
16. CONTRACTOR SHALL PIN SOD ON ALL SLOPES 3 TO 1 OR GREATER.
17. ALL NEW STORM DRAIN SHALL TIE INTO AN EXISTING STORM DRAIN SYSTEM, WITH SUFFICIENT CAPACITY AND RETENTION FOR THE ADDITIONAL RUN-OFF AS SHOWN IN THE STORMWATER CALCULATIONS.
18. CONTRACTOR IS TO NOTIFY CITY OF PENSACOLA 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
19. WHEN GREATER THAN 1 CONTIGUOUS ACRE IS CLEARED, A GROUND COVER SUFFICIENT TO PREVENT EROSION SHOULD BE PLANTED OR OTHERWISE STABILIZED WITHIN 10 WORKING DAYS ON THAT PORTION OF THE SITE UPON WHICH FURTHER ACTIVE CONSTRUCTION WILL NOT BE UNDERTAKEN WITHIN 90 DAYS.
20. ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED.
21. THE CONTRACTOR SHALL NOTIFY THE OWNER OF ANY CONFLICTS BETWEEN VENDOR DRAWINGS, EXISTING CONDITIONS, AND THE CONSTRUCTION DOCUMENTS.
22. STAGING AREA AND EQUIPMENT STORAGE SHALL BE AS SHOWN ON PLANS AND AS DESIGNATED BY THE GENERAL CONTRACTOR AND THE OWNER. SEE STAGING PLAN FOR ADDITIONAL NOTES.
23. WHERE SOD IS BEING INSTALLED, TOPSOIL SHALL BE USED AS A BASE AT LEAST SIX INCHES DEEP.
24. IF THE QUANTITY OF EXISTING STOCKPILED OR EXCAVATED TOPSOIL IS INADEQUATE FOR PLANTING, SUFFICIENT ADDITIONAL TOPSOIL SHALL BE IMPORTED TO THE SITE BY THE CONTRACTOR. TOPSOIL FURNISHED SHALL BE A NATURAL, FERTILE, FRIABLE, LOAMY SOIL, POSSESSING CHARACTERISTICS OF REPRESENTATIVE PRODUCTIVE SOILS IN THE VICINITY. TOPSOIL SHALL BE OBTAINED FROM NATURALLY WELL-DRAINED AREAS. TOPSOIL SHALL BE WITHOUT ADMIXTURE OF SUBSOIL AND FREE FROM JOHNSON GRASS (SORGHUM HALAPENSE), NUT GRASS (CYPRUS ROTUNDAS), AND OBJECTIONABLE WEEDS AND TOXIC SUBSTANCES. IT SHALL BE FREE OF DEBRIS, TRASH STUMPS, ROCKS, AND NOXIOUS WEEDS, AND SHOULD GIVE EVIDENCE OF BEING ABLE TO SUPPORT HEALTHY PLANT GROWTH.
25. THE pH OF THE TOPSOIL ONSITE AND ANY IMPORTED TOPSOIL SHALL BE DETERMINED. IF THE pH IS BELOW 5.0, SUFFICIENT LIME SHALL BE ADDED TO PROVIDE A pH BETWEEN 5.5 AND 6.5 THE LIME SHALL BE THOROUGHLY INCORPORATED INTO THE TOP THREE OR FOUR INCHES OF THE SOIL. LIME AND FERTILIZER MAY BE APPLIED IN ONE OPERATION.
26. SUBMIT pH TEST RESULTS AND ANY OTHER TEST RESULTS TO THE ENGINEER AND CITY OF PENSACOLA FOR APPROVAL.
27. AFTER THE SITE HAS BEEN BROUGHT TO PROPER GRADE FOR PLACEMENT OF TOPSOIL AND IMMEDIATELY PRIOR TO DUMPING AND SPREADING THE TOPSOIL, THE SUBGRADE SHALL BE LOOSENED BY DISKING OR SCARIFYING TO A DEPTH OF 2 INCHES TO INSURE BONDING OF THE TOPSOIL AND SODDING.
28. TOPSOIL SHALL NOT BE PLACED WHILE IN A MUDDY CONDITION, WHEN THE SUBGRADE IS EXCESSIVELY WET, OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING OR PROPOSED SODDING.
29. THE TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED TO A MINIMUM COMPACTED DEPTH OF SIX INCHES.
30. ANY IRREGULARITIES IN THE SURFACE, RESULTING FROM TOP SOILING OR OTHER OPERATIONS, SHALL BE CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS OR WATER POCKETS.
31. COMPACT THE TOPSOIL ENOUGH TO ENSURE GOOD CONTACT WITH THE UNDERLYING SOIL AND TO OBTAIN A LEVEL SEED BED FOR THE ESTABLISHMENT OF HIGH MAINTENANCE TURF. AVOID UNDUE COMPACTION.
32. CONTRACTOR TO PROVIDE TEMPORARY PROTECTION TO TREES TO REMAIN (SEE DETAIL). FOR ANY TREE SHOWN TO REMAIN THAT IS DAMAGED BY THE CONTRACTOR'S FORCES, THE CONTRACTOR SHALL PAY THE CITY OF PENSACOLA THE SUM OF $150.00 DOLLARS PER INCH DIAMETER OF TREE THAT IS DAMAGED.
33. CONTRACTOR SHALL HAUL AWAY ALL DEBRIS AND DISPOSE OF OFF-SITE IN A LEGAL AND RESPONSIBLE MANNER.
34. WALKS AND BUILDING ACCESS ARE DESIGNED TO MEET THE FLORIDA ACCESSIBLY CODE FOR HANDICAP ACCESS.
35. SEDIMENT SHALL BE RETAINED ON THE SITE OF DEVELOPMENT. REMOVE SEDIMENT AT APPROPRIATE TIME AND PRIOR TO THE END OF CONSTRUCTION.
36. CONTRACTOR SHALL RESHAPE PER PLAN SPECIFICATIONS, CLEAN OUT ACCUMULATED SILT, AND STABILIZE RETENTION/DETENTION POND(S) AT END OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN STABILIZED.
37. THE CONTRACTOR SHALL SUBMIT A POST-CONSTRUCTION CERTIFICATION AND REPRODUCIBLE RECORD DRAWINGS TO THE ENGINEER PRIOR TO INSPECTION AND ACCEPTANCE. THE RECORD DRAWINGS SHALL BE PREPARED AND CERTIFIED BY A FLORIDA PROFESSIONAL SURVEYOR.
38. THE OWNER OR HIS AGENT SHALL ARRANGE WITH THE CITY ENGINEER AN INSPECTION OF THE EROSION AND SEDIMENT CONTROL DEVICES PRIOR TO CONSTRUCTION, UNDERGROUND DRAINAGE STRUCTURES PRIOR TO BURIAL, AND THE FINAL INSPECTION OF THE DEVELOPMENT UPON COMPLETION.
39. EROSION SHALL BE CONTROLLED BY THE USE OF A HAY BALE BARRIER/SILT FENCE AS SHOWN ON PLANS OR WHATEVER MEANS NECESSARY AND SHALL BE SETUP PRIOR TO COMMENCING CONSTRUCTION. THE EROSION CONTROL BARRIER SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION BY THE CONTRACTOR. UPON COMPLETION OF THE PROJECT, THE RETENTION AREA SHALL BE CLEANED OF SILT, STABILIZATION OF ALL DISTURBED AREAS SHALL BE ACCOMPLISHED, AND THE RETENTION AREA IS TO BE RECONFIGURED TO DESIGN CROSS-SECTION, AND SODDED.
40. CONTRACTOR SHALL NOTIFY SUNSHINE ONE UTILITIES 48 HOURS IN ADVANCE PRIOR TO DIGGING WITHIN R/W; 1-800-432-4770.
41. NO DEVIATIONS OR REVISIONS FROM THESE PLANS BY THE CONTRACTOR SHALL BE ALLOWED WITHOUT WRITTEN PERMISSION FROM THE CITY OF PENSACOLA.
42. ALL WORK SHALL BE CONFINED TO WITHIN THE CITY R/W OR PROPERTY LIMITS.
43. CONTRACTOR SHALL CONSTRUCT TEMPORARY MEASURES AND SUPPORT TO ACCESS SITE. CONTRACTOR SHALL INCLUDE COST FOR SAME IN HIS BID. CONTRACTOR SHALL REPAIR ANY DAMAGE TO THE SATISFACTION OF THE OWNER.
44. TRENCHING AND GRADING AROUND TREES WHICH ARE TO REMAIN SHALL BE AWAY FROM THE TREE IN A MANNER TO CAUSE NO DAMAGE TO THE TREE.
45. CONTRACTOR IS TO MAINTAIN SODDING AND GRASSING BY WATERING, FERTILIZING, WEEDING, MOWING, TRIMMING, AND OTHER OPERATIONS, SUCH AS ROLLING, RE-GRADING, AND REPLANTING AS REQUIRED TO ESTABLISH GRASSED/SODDED AREAS FREE OF ERODED OR BARE AREAS AND REPLACE ANY REJECTED MATERIALS OR WORK, AND CONTINUE MAINTENANCE UNTIL ACCEPTED. REMOVE ANY REJECTED MATERIALS PROMPTLY FROM THE SITE. CONTRACTOR IS TO INCLUDE COST OF MAINTAINING SODDING AND GRASSING IN HIS BID.
46. CONTRACTOR SHALL COORDINATE HIS WORK AND COOPERATE WITH OTHER CONTRACTORS WORKING AROUND THE PROJECT AREA.
47. THE CONTRACTOR SHALL DELIVER THE STAGING AREAS TO THE OWNER ON OR BEFORE THE DATE OF COMPLETION OF CONSTRUCTION AND SAME SHALL BE IN AS GOOD AS OR BETTER CONDITION AS EXISTED PRIOR TO CONSTRUCTION.
48. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING MATERIAL DOES NOT SPILL, LEAK, OR FALL FROM TRUCKS HAULING MATERIAL TO OR AWAY FROM SITE, INCLUDING MATERIAL FALLING FROM TIRES. SHOULD THE STATE OR COUNTY REQUIRE SWEEPING AND CLEANING OF ROADWAYS DUE TO THE ABOVE, THE SAME SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ANY FINES DUE TO THE ABOVE.
49. ALL DIMENSIONS ARE TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
50. BUILDINGS TO BE LAID OUT PRIOR TO CONSTRUCTION AND CERTIFIED BY A REGISTERED LAND SURVEYOR PRIOR TO CONSTRUCTION.
51. COORDINATE WITH ELECTRICAL AND MECHANICAL DRAWINGS FOR CONCRETE PADS NOT SHOWN ON CIVIL DRAWINGS.
52. COORDINATE WITH MECHANICAL DRAWINGS FOR ROOF DRAIN LOCATIONS.
53. SHOULD CONTRACTOR ELECT TO USE ONSITE EXCAVATION AS FILL, HE IS CAUTIONED NO ADDITIONAL TIME OR COST WILL BE ALLOWED SHOULD MATERIAL BECOME WET AND UNWORKABLE. IF NECESSARY, CONTRACTOR WILL BE REQUIRED TO BRING IN OFFSITE FILL MATERIAL MEETING TECHNICAL SPECIFICATIONS AT HIS OWN EXPENSE.
54. CONTRACTOR SHALL COORDINATE WITH THE OWNER PRIOR TO THE REMOVAL OF ANY TREES.
55. ALL VALVE BOXES SHALL BE SET FLUSH WITH GRADE.
56. THE CONTRACTOR SHALL FLUSH AND CLEAN ALL STORMWATER PIPES AND STRUCTURES AT END OF CONSTRUCTION AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED.
57. WHERE UNSUITABLE MATERIALS ARE ENCOUNTERED IN PAVED AREAS, THE UNSUITABLE MATERIAL SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 3 FEET BELOW FINISHED SUBGRADE ELEVATION AND BACKFILLED WITH CLEAN COURSE SAND CONTAINING LESS THAN 5% FINES OR AS OTHERWISE DIRECTED BY CITY OF PENSACOLA SEE TECHNICAL SPECIFICATIONS AND SOILS REPORT.
58. WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT, EXISTING PAVEMENT SHALL BE SAWCUT FOR A STRAIGHT EDGE AND CLEAN JOINT. SEE DETAIL.
59. WHERE NEW CURB JOINS EXISTING CURB, STYLE SHALL MATCH UNLESS OTHERWISE NOTED.
60. PLACEMENT OF UNDERGROUND SYSTEMS, IRRIGATION, SEWER, WATER, DRAINAGE, ELECTRICAL, GAS, ETC., SHALL BE COMPLETED PRIOR TO LANDSCAPE INSTALLATION.
61. CONTRACTOR TO PAY CLOSE ATTENTION TO GRADES AT BUILDING AND ENSURE STORMWATER RUNOFF DRAINS AWAY FROM BUILDING FOR ADDITIONAL NOTES AND INFORMATION SEE UTILITY NOTES.
62. THE CONTRACTOR SHALL NOT BLOCK OR OBSTRUCT ANY ROADS OR DRIVES WITHOUT FIRST RECEIVING PERMISSION FROM THE CITY OF PENSACOLA TO DO SO.
63. PROPERTY OBSTRUCTIONS WHICH ARE TO REMAIN IN PLACE, SUCH AS BUILDINGS, SEWER, DRAINS, WATER OR GAS PIPES, ELECTRICAL, CONDUITS, POLES, WALLS, POST, ETC., ARE TO BE CAREFULLY PROTECTED AND ARE NOT TO BE DISPLACED UNLESS NOTED.
64. CONTRACTOR SHALL ADHERE TO THE CITY OF PENSACOLA'S AND OTHER AUTHORITIES HAVING JURISDICTION RULES CONCERNING SAFETY.
65. CONTRACTOR SHALL INCLUDE IN HIS BID ANY COST ASSOCIATED WITH DEWATERING FOR INSTALLATION OF ANY PIPE AS TO COMPLETE ANY EARTHWORK OR PAVING OPERATION.
66. CONTRACTOR SHALL INCLUDE IN HIS BID ANY COST ASSOCIATED WITH SELECT BACKFILL FOR INSTALLATION OF ANY PIPE OR STRUCTURE.
67. CONTRACTOR SHALL CLEANUP ENTIRE SITE INCLUDING STAGING AREAS AT LEAST TWO TIMES PER WEEK. THIS SHALL INCLUDE LOCATING TRASH/SCRAP RECEPTACLES AT APPROPRIATE LOCATIONS AROUND THE SITE. CONTRACTOR SHALL PICK UP ALL ROCKS, METAL, PIPE, NAILS, NUTS, BOLTS, BOARDS, PAPER, TRASH, ETC AT LEAST TWICE A WEEK. CONTRACTOR SHALL INCLUDE COST OF SAME IN BID.
68. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL THE IRRIGATION SYSTEM IN THE STAGING AREA AND PROVIDE FOR IT'S PROTECTION, INCLUDING VALVES AND SPRINKLER HEADS. REPLACE ALL PARTS OF IRRIGATION SYSTEM DAMAGED OR REMOVED. COORDINATE WITH OWNER FOR LOCATION AND REPLACEMENT. INCLUDE COST OF SAME IN BID.
69. CONTRACTOR SHALL RESTORE ALL STAGING AREAS TO AS GOOD AS OR BETTER CONDITION THAN EXISTED PRIOR TO CONSTRUCTION. THIS INCLUDES IRRIGATION AND SOD REPLACEMENT IF NECESSARY. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 20 DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW, OR EQUIVALENT MATERIAL, AT A RATE OF TWO (2) TONS PER ACRE.
70. A BITUMINOUS CONCRETE BASE COURSE WILL BE APPLIED IMMEDIATELY FOLLOWING ROUGH GRADING AND INSTALLATION OF IMPROVEMENTS IN ORDER TO STABILIZE STREETS, ROADS, DRIVEWAYS AND PARKING AREAS. IN AREAS WHERE NO UTILITIES ARE PRESENT, THE BITUMINOUS CONCRETE BASE SHALL BE INSTALLED WITHIN 15 DAYS OF THE PRELIMINARY GRADING.
71. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E. STEEP SLOPES AND ROADWAY EMBANKMENTS) WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A THICKNESS OF TWO (2) TO FOUR (4) INCHES MIXED WITH THE TOP TWO (2) INCHES OF SOIL.
72. ANY STEEP SLOPES RECEIVING PIPELINE INSTALLATION WILL BE BACK FILLED AND STABILIZED DAILY, AS THE INSTALLATION PROCEEDS (I.E. SLOPES GREATER THAN 3:1).
73. CONDUIT OUTLET PROTECTION MUST BE INSTALLED AT ALL REQUIRED OUTFALLS PRIOR TO THE DRAINAGE SYSTEM BECOMING OPERATIONAL.
74. UNFILTERED DEWATERING IS NOT PERMITTED. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS DURING ALL DEWATERING OPERATIONS TO MINIMIZE SEDIMENT TRANSFER.
75. SHOULD THE CONTROL OF DUST AT THE SITE BE NECESSARY, THE SITE WILL BE SPRINKLED UNTIL THE SURFACE IS WET, TEMPORARY VEGETATION COVER SHALL BE ESTABLISHED OR MULCH SHALL BE APPLIED IN ACCORDANCE WITH STANDARDS FOR EROSION CONTROL.
76. ALL SOIL WASHED, DROPPED, SPILLED OR TRACKED OUTSIDE THE LIMITS OF DISTURBANCE OR ONTO PUBLIC RIGHT-OF-WAY WILL BE REMOVED IMMEDIATELY.
77. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR BELOW STORMWATER OUTFALLS OR OFF SITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.
78. ALL SOIL STOCKPILES ARE TO BE TEMPORARILY STABILIZED IN ACCORDANCE WITH SOIL EROSION AND SEDIMENT CONTROL NOTE NUMBER 2 (ABOVE).
79. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
80. ALL SEDIMENTATION STRUCTURES SHALL BE INSPECTED AND MAINTAINED REGULARLY.
81. THE CONTRACTOR SHALL PREPARE A PLAN FOR THE PROPER DEWATERING AND DOWNSTREAM SILTATION PROTECTION.
82. ANY AREAS USED FOR FOR THE CONTRACTOR'S STAGING, INCLUDING BUT NOT LIMITED TO, TEMPORARY STORAGE OF STOCKPILED MATERIALS (E.G. CRUSHED STONE, QUARRY PROCESS STONE, SELECT FILL, EXCAVATED MATERIALS, ETC.) SHALL BE ENTIRELY PROTECTED BY A SLIT FENCE ALONG THE LOW ELEVATION SIDE TO CONTROL SEDIMENT RUNOFF.
83. THE CONTRACTOR'S MEANS AND METHODS OF GROUNDWATER DEWATERING SHALL COMPLY WITH ALL REGULATORY REQUIREMENTS FOR THE TEMPORARY DIVERSION OF GROUNDWATER AND ITS DISCHARGE, INCLUDING FDEP CHAPTER 62-621 "GENERAL PERMIT FOR THE DISCHARGE OF PRODUCED GROUNDWATER FROM ANY NONCONTAMINATED SIT ACTIVITY". WRITTEN PROOF OF COMPLIANCE SHALL BE PROVIDED TO THE CITY PRIOR TO ANY CONSTRUCTION-RELATED ACTIVITIES. IN ORDER TO OBTAIN COMPLIANCE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COSTS ASSOCIATED WITH THE SAMPLING AND TESTING OF UP TO 5 SAMPLES.
84. ALL TREES, SHRUBS, PLANTS AND ASSOCIATED LANDSCAPE INFRASTRUCTURE IN PUBLIC R/W SHALL BE REMOVED ONLY AS NECESSARY AND REPLACED TO THE SATISFACTION OF THE CITY.
85. ALL ITEMS OF PRIVATE PROPERTY LOCATED WITHIN THE CITY R/W SHALL BE PROTECTED AND/OR RELOCATED TO THE CITY'S SATISFACTION AS PART OF THE PROJECT. SUCH ITEMS SHALL INCLUDE, BUT NOT BE LIMITED TO, IRRIGATION SYSTEMS, MAIL BOXES, SIGNS, LANDSCAPE, PLANTER BEDS/BOXES, YARD DRAINS, ETC., AND SHALL BE COORDINATED AND ADDRESSED IN A TIMELY AND PROFESSIONAL MANNER. ITEMS REQUIRING REPLACEMENT SHALL BE OF EQUAL OR BETTER QUALITY.
86. THE LOCATION OF THE CONTRACTOR'S MATERIAL AND EQUIPMENT LAY-DOWN AREA SHALL BE APPROVED BY THE CITY PRIOR TO SECURING SUCH ARRANGEMENTS, AS DIRECTLY RELATED TO THE PROJECT. THE LAY-DOWN AREA SHALL BE COMPLETELY SECURED UTILIZING TEMPORARY 6' CHAIN-LINK CONSTRUCTION FENCING WITH LOCKED GATES AND PROPER EROSION CONTROL BARRIER, AS NECESSARY, AND SHALL BE KEPT IN A NEAT AND UNIFORM MANNER AT ALL TIMES, AS DETERMINED BY THE CITY. ONLY MATERIALS AND EQUIPMENT DIRECTLY REQUIRED TO FACILITATE THE CURRENT PROGRESS OF THE PROJECT CONSTRUCTION SHALL BE STORED IN THE LAY-DOWN AREA AT ANY GIVEN TIME AND ALL OTHER MATERIALS AND EQUIPMENT SHALL BE IMMEDIATELY AND/OR AT THE REQUEST OF THE CITY.
87. CONTRACTOR SHALL PROVIDE BOTH ROUGH AND FINISHED GRADING THAT IS NECESSARY TO PROVIDE PROPER AND UNIFORM SLOPES BACK AWAY FROM ROADWAY INFRASTRUCTURE (PAVEMENT, CURB, SIDEWALKS DRIVEWAYS, STORM STRUCTURES, ETC.) TO THE RIGHT-OF-WAY LINE WITH MAXIMUM SLOPES NOT EXCEEDING 4:1 (H/V). IN THE EVENT THAT AN ACCEPTABLE SLOPE CANNOT BE ACHIEVED WITHIN THE RIGHT-OF-WAY LIMITS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING PERMISSION FROM ADJACENT PROPERTY OWNERS TO CARRY THE SLOPE BACK ONTO PRIVATE PROPERTY SUFFICIENT TO MEET THE SLOPE REQUIREMENT. ALL PROPOSED BACK SLOPES AND EARTHWORK ASSOCIATED WITH CONSTRUCTION IN THE RIGHT-OF-WAY OR ON PRIVATE PROPERTY SHALL BE INCLUDED IN CONTRACTOR'S BID AND SHALL BE APPROVED BY THE CITY.
89. THE CONTRACTOR'S PROPOSED SCHEDULE OF WORK FOR BOTH STANDARD (M-F, 7AM-4PM) AND NON-STANDARD HOURS SHALL BE REVIEWED AND APPROVED BY THE CITY AND SUBMITTED FOR REVIEW IN WRITING A MINIMUM OF SEVEN (7) CALENDAR DAYS PRIOR TO COMMENCEMENT OF THE PROPOSED WORK SCHEDULE. THE CITY RESERVES THE RIGHT TO DENY WORK ON ANY PROPOSED DAY IF CERTAIN PUBLIC EVENTS, ENVIRONMENTAL CONDITIONS, NEIGHBORHOOD CIRCUMSTANCES, ETC., REQUIRE SUCH ACTION. THE CONTRACTOR SHALL ACKNOWLEDGE ULTIMATE RESPONSIBILITY OF THE JOB SITE DURING CONSTRUCTION (24 HRS/DAY) FOR THE ENTIRE DURATION OF THE PROJECT, REGARDLESS OF APPROVED WORK SCHEDULES AND HOURS OF OPERATION.
90. THE CONTRACTOR SHALL PROVIDE CONTINUED (TEMPORARY) VEHICULAR/PEDESTRIAN ACCESS TO PUBLIC/PRIVATE PROPERTY IN A SAFE AND FEASIBLE MANNER IN AREAS IMPACTED BY THE PROJECT CONSTRUCTION UNTIL ALL SUCH ACCESS CAN BE RESTORED PERMANENTLY. ALL TEMPORARY ACCESS PLANS SHALL BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL A MINIMUM OF FIVE (5) CALENDAR DAYS PRIOR TO IMPLEMENTING ANY PROPOSED MEASURES AND COORDINATION WITH IMPACTED RESIDENTS AND/OR PROPERTY OWNERS (OR OWNER REPRESENTATIVES) MAY BE REQUIRED OF THE CONTRACTOR AS PART OF THE TEMPORARY ACCESS PLAN(S). ALL COST FOR SUCH TEMPORARY PLANS AND MEASURES SHALL BE COVERED/ INCLUDED IN THE CONTRACTORS BID.
91. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ENSURING ALL DIRT/SEDIMENT/TURBID WATER REMAINS ON THIS JOBSITE AND OVERALL NPDES COMPLIANCE. ANY FAILURE TO COMPLY WILL RESULT IN A $500 PENALTY PER DAILY OCCURANCE. CONTRACTOR WILL BE PROVIDED WITH WRITTEN NOTICE OF FAILURE AND FUNDS WILL BE DEDUCTED FROM FINAL PAYMENT FOR CONTRACT RETAINAGE.

SPECIAL NOTES:

1. THE INSTALLATION OF SHEET PILES OR OTHER SHORING SHALL NOT BE PERFORMED BY VIBRATORY OR IMPACT HAMMER MEANS.
2. THE CONTRACTOR SHALL PROVIDE THE CITY ENGINEER WITH THE PROPOSED METHOD OF SHORING/PROTECTION FOR REVIEW AND APPROVAL.
3. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING UTILITY SUPPORT, BRACING OR RELOCATION AS REQUIRED. CONTRACTOR'S BID SHALL REFLECT ANY COST(S) FOR SUCH. (TYP. ENTIRE PROJECT).
4. CONTRACTORS SHALL BE RESPONSIBLE FOR IMPLEMENTING ADEQUATE AND PROPER BY-PASSES FOR STORMWATER AND SANITARY SEWER AND PROPOSED METHODS SHALL BE APPROVED BY THE CITY AND ECUA RESPECTIVELY.
5. NEW AND EXISTING STORM WATER STRUCTURES/PIPES SHALL BE PROFESSIONALLY CLEANED OF SEDIMENT/DEBRIS WITH VACUUM TRUCK-SYSTEM AT FINAL COMPLETION AND PRIOR TO FINAL ACCEPTANCE BY THE CITY. CITY SHALL BE AFFORDED OPPORTUNITY TO INSPECT PROFESSIONALLY CLEANED STRUCTURES/PIPES AT A TIME IN WHICH THE PIPE IS VOID OF WATER.
6. THE CONTRACTOR ASSUMES RESPONSIBILITY FOR AND MAINTAIN ANY/ALL NEWLY INSTALLED INFRASTRUCTURE PRIOR TO FINAL ACCEPTANCE BY THE CITY. FINAL ACCEPTANCE WILL NOT BE GRANTED UNTIL THE CITY HAS BEEN AFFORDED THE OPPORTUNITY TO PROPERLY INSPECT SAID INFRASTRUCTURE AS PART OF THE FINAL INSPECTION AT PROJECT COMPLETION.
7. NEWLY INSTALLED STORM WATER STRUCTURES/PIPES SHALL NOT BE UTILIZED AS CONTRACTOR MEANS & METHODS TO ROUTE OR COLLECT ANY WATER PRIOR TO FINAL ACCEPTANCE BY THE CITY. FINAL ACCEPTANCE WILL NOT BE GRANTED UNTIL THE CITY HAS BEEN AFFORDED THE OPPORTUNITY TO INSPECT STRUCTURES/PIPES AS PART OF THE FINAL INSPECTION AT PROJECT COMPLETION.
8. THE CONTRACTOR IS TO COORDINATE WITH THE CITY OF PENSACOLA AND THE RAILROAD AUTHORITY BEFORE CONSTRUCTION OR LANE CLOSURES NEAR THE RAILROAD RIGHT OF WAY.

UTILITY CONTACTS

UTILITY COMPANY:	CONTACT / PHONE / FAX / E-MAIL:
SUNSHINE ONE	1-800-432-4770
ECUA ENGINEERING DEPARTMENT 9255 STURDEVANT STREET PENSACOLA, FLORIDA 32514	DAVID LIECHTY, P.E. (TEL): 969-6631 (FAX): 969-6511 DAVID.LIECHTY@ECUA.ORG JACOB KEARLEY (TEL): 969-5823 JACOB.KEARLEY@ECUA.FL.GOV
AT& T 605 GARDEN STREET PENSACOLA, FLORIDA 32501	ROB ST. PIERRE (TEL):436-1701 (C):850-501-9161 (FAX):436-1486 RS634Y@ATT.COM
COX COMMUNICATIONS 2205 LaVISTA DRIVE PENSACOLA, FLORIDA 32504	TROY YOUNG (FIELD INSPECTOR) (OFFICE): 850-857-4510 (C): 850-232-5044 GARY HARRELL (CONSTRUCTION SUPERVISOR) (OFFICE): 352-337-2025 (C): 352-339-2118
PENSACOLA ENERGY 1625 ATWOOD DRIVE PENSACOLA, FLORIDA 32514	DIANE MOORE (TEL): 474-5319 (FAX): 474-5330 DMOORE@CITYOFPENSACOLA.COM WWW.ESPNATURALGAS.COM
GULF POWER - ECUA LIASONS 2501 WEST WRIGHT STREET PENSACOLA, FL 32505	TERRY RUSSELL (TEL): 505-5346 (CELL): 324-3126 TLRUSSEL@SOUTHERNCO.COM
GULF POWER ONE ENERGY PLACE PENSACOLA, FLORIDA 32520-0047	CHAD SWAILS (TEL): 429-2446 CESWAILS@SOUTHERNCO.COM
GULF SOUTH PIPELINE 480 VAN PELT LANE PENSACOLA, FL. 32505	(TEL): 484-0554 (FAX): 484-0557
EARTHLINK NET. 1791 O.G. SKINNER DRIVE WEST POINT, GA. 31833	NETWORK OPERATIONS 800-374-2350 FRANKWILCOX@CORP.EARTHLINK.COM
LEVEL 3 COMMUNICATIONS 1025 ELDORADO BOULEVARD BROOMFIELD, CO. 80021	KEN WHITING, NETWORK RELOCATIONS TEL.:(720) 888-6696 FAX:(720) 888-3193
CENTURY LINK 2425 NORTH McKENZIE STREET FOLEY, AL. 36535	TEL:(251) 952-5100 FAX:(251) 971-1856
SPRINT 10 EAST DRURY KISSIMMEE, FL. 34744	TEL:(407) 932-1560 FAX:(407) 932-0489

SPECIFICATIONS:

COLORIZED PAVEMENT COATINGS:

DESCRIPTION

FURNISH AND INSTALL COLORIZED PAVEMENT COATING TO THE ASPHALT PAVEMENT SURFACE OF THE GREENWAY LANE BETWEEN THE PAVEMENT EDGE AND THE EDGE OF THE LANE IN ACCORDANCE WITH THE CONTRACT.

MATERIALS

FOR COLORIZED PAVEMENT COATINGS (I.E. COLORED PAVEMENT MATERIAL), PROVIDE DURABLE LIQUID PAVEMENT MARKINGS (DLPM) THAT ARE EITHER EPOXY OR METHYL METHACRYLATE (MMA). DO NOT PROVIDE PAVEMENT MARKING PAINT FOR COLORIZED PAVEMENT COATINGS.

PROVIDE COLORIZED PAVEMENT COATING THAT IS ONE OF FOLLOWING MATERIALS:

- COLOR-SAFE® BY TRANPO INDUSTRIES COMPANY.
- RIDE-A-WAY™ BY ENNIS FLINT
- ROADCOLOR EPOXY MODIFIED BIKE LANE COATING BY PATTERN PAVING PRODUCTS.

PROVIDE A COATING MATERIAL DESIGNED FOR APPLICATION ONTO ASPHALT PAVEMENT SURFACES, BUT ALSO ABLE TO BE APPLIED TO PORTLAND CEMENT CONCRETE SURFACES USING A CONCRETE PRIMER. PROVIDE COATING MATERIAL THAT IS WEAR AND CRACK RESISTANT, THAT HAS EXCELLENT COLOR RETENTION AND ADHESION, THAT IS ANTI-SLIP AND THAT EXPERIENCES MINIMAL SOFTENING FROM WATER ABSORPTION.

PROVIDE A COATING THAT IS LIGHT GREEN IN COLOR AS SPECIFIED IN THE FHWA MEMORANDUM DATED APRIL 15, 2011, "INTERIM APPROVAL FOR OPTIONAL USE OF GREEN COLORED PAVEMENT FOR BIKE LANES (IA-14)."

DAYTIME CHROMATICITY COORDINATES FOR THE COLOR USE FOR GREEN-COLORED PAVEMENT MUST BE:

1		2		3		4	
X	Y	X	Y	X	Y	X	Y
0.230	0.754	0.266	0.500	0.367	0.500	0.444	0.555

NIGHTTIME CHROMATICITY COORDINATES FOR THE COLOR USE FOR GREEN-COLORED PAVEMENT MUST BE:

1		2		3		4	
X	Y	X	Y	X	Y	X	Y
0.230	0.754	0.336	0.540	0.450	0.500	0.479	0.520

THE PIGMENT SYSTEM MUST NOT CONTAIN HEAVY METALS OR ANY CARCINOGEN, AS DEFINED IN 29 CFR 1910.1200 IN AMOUNTS EXCEEDING PERMISSIBLE LIMITS AS SPECIFIED IN RELEVANT FEDERAL REGULATIONS.

ALTERNATE HEATED-IN-PLACE PREFORMED THERMOPLASTIC MATERIAL

SUBJECT TO THE CITY'S APPROVAL AND AT NO ADDITIONAL COST TO THE CITY, THE CONTRACTOR MAY SUBSTITUTE HEATED-IN-PLACE PREFORMED THERMOPLASTIC MATERIAL FOR SOME OR ALL OF THE WET-APPLIED COLORIZED PAVEMENT COATING.

HEATED-IN-PLACE PREFORMED THERMOPLASTIC MATERIAL MUST COMPLY WITH THE COLOR REQUIREMENTS ABOVE. IN ADDITION, THE PREFORMED MATERIAL MUST HAVE HEATING INDICATORS DISTRIBUTED ON THE SURFACE TO PROVIDE VISUAL CUES BOTH DURING THE APPLICATION PROCESS AND POST APPLICATION.

PROVIDE HEATED-IN-PLACE PREFORMED THERMOPLASTIC MATERIAL THAT IS ONE OF FOLLOWING:

- PREMARK® SK BIKE LANE GREEN BY ENNIS-FLINT
- TUFF-MARK® WITH TUFF-GRIP® PREFORMED THERMOPLASTIC BY CROWN TECHNOLOGY, LLC
- OPTATRAC® BY GEVEKO MARKINGS INC.

PROVIDE PREFORMED THERMOPLASTIC MATERIAL WITH A MINIMUM THICKNESS OF 90 MILS. PROVIDE MATERIAL THAT IS RESISTANT TO DETERIORATION DUE TO EXPOSURE TO SUNLIGHT, WATER, SALT OR ADVERSE WEATHER CONDITIONS AND THAT IS IMPERVIOUS TO OIL AND GASOLINE.

FLEXIBLE POST DELINEATORS:

DIMENSIONS: THE POST SHALL HAVE A MINIMUM WIDTH OF 3 INCHES FACING TRAFFIC AND OF SUCH LENGTH TO GENERALLY PROVIDE A HEIGHT OF 48 INCHES ABOVE THE PAVEMENT SURFACE.

COLOR: THE POST SHALL BE OPAQUE WHITE. THE YELLOWNESS INDEX SHALL NOT EXCEED 12 WHEN TESTED IN ACCORDANCE WITH ASTM D1925 OR ASTM E313. THE DAYLIGHT 45 DEGREE, 0 DEGREE LUMINOUS DIRECTIONAL REFLECTANCE SHALL BE A MINIMUM OF 70 WHEN TESTED IN ACCORDANCE WITH ASTM E1347.

RETROREFLECTIVE SHEETING: THE REFLECTIVE SHEETING SHALL BE TYPES IV, V OR XI AND MEET THE REQUIREMENTS OF SECTION 994. THE REFLECTIVE SHEETING SHALL HAVE A MINIMUM WIDTH OF 3 INCHES AND HAVE A MINIMUM AREA OF 30 SQUARE INCHES.

IMPACT PERFORMANCE: POSTS SHALL BE TESTED AND EVALUATED ACCORDING TO THE NATIONAL TESTING PRODUCT EVALUATION PROGRAM (NTPEP) PROJECT WORK PLAN FOR FIELD EVALUATION OF FLEXIBLE SURFACE MOUNTED DELINEATOR POSTS. A TEMPERATURE OF 65°F OR GREATER MAY BE USED IN LIEU OF THE NTPEP TEMPERATURE REQUIREMENTS. POSTS SHALL BE CAPABLE OF RETURNING TO A VERTICAL POSITION PLUS OR MINUS 5 DEGREES WITH NO DELAMINATING, AND ONE POST MAY LIST NO MORE THAN 10 DEGREES. NO POST SHALL SPLIT, CRACK, BREAK, OR SEPARATE FROM BASE.

STREET LIGHTING:

DESCRIPTION

FURNISH AND INSTALL DECORATIVE CAST ALUMINUM POLE AND FIXTURES WITHIN THE LIMITS OF CONSTRUCTION AS SHOWN IN ACCORDANCE WITH THE CONTRACT.

MATERIALS

- DECORATIVE CAST ALUMINUM MATERIAL
- 3000K TO 4000K LED MULTIDIRECTIONAL FIXTURE
- ASTRONOMICAL CLOCK CONTROL WITH ENCRYPTED WIRELESS RELAY TO OTHER FIXTURES
- DARK SKY COMPLIANT
- POLES SHALL HAVE A MINIMUM DIAMETER OF 5-INCH AND MAXIMUM DIAMETER OF 8-INCH
- HEAVY DUTY BASE SUPPORTING A 12-FOOT POLE
- POLE SHALL HAVE CAVITY SPACE CAPABLE TO ALLOW SINGLE USER INTERFACE LIGHT CONTROLS AND SENSOR EXPANDABLE EQUIPMENT
- COLOR AND CAP STYLE TO BE SELECTED BY THE OWNER
- 10-YEAR WARRANTY OR BETTER REQUIRED

TRAFFIC CABINET WRAP:

DESCRIPTION

FURNISH AND INSTALL A DECORATIVE VINYL CABINET WRAP TO EXISTING TRAFFIC CONTROL CABINET AT PALAFOX AND MAINSTREET AS SHOWN IN ACCORDANCE WITH THE CONTRACT.

MATERIALS

PROVIDE A GRAFFITI-RESISTANT LAMINATE WRAP. WRAPS ARE NOT RESTRICT AIR FLOW THROUGH VENTS OR FUNCTION OF PANELS, ACCESS PORTS, LATCHES, AND ANY INTERNAL COMPONENTS THAT IS ONE OF FOLLOWING:

- TRAFFIC CABINET BEAUTIFICATION PRODUCTS BY ECONOLIT
- COMMUNITY BEAUTIFICATION PRODUCTS BY TRAFFICWRAPZ
- UTILITY BOX WRAPS BY SCS WRAPS INC.

IMAGE(S) ON THE WRAP ARE TO BE OF HISTORICAL CONTEXT AND SELECTED BY THE OWNER.

DENSITY TESTING SCHEDULE:

ITEM	DENSITY REQUIREMENT	DENSITY TEST FREQUENCY
UTILITY TRENCH FILL & BACKFILL	95% MAXIMUM DENSITY (15% PASSING NO. 200) ≥ 15% MODIFIED DENSITY	PER SOIL TYPE ONE PER 500 LF HORIZONTAL OR ONE PER 750 SY WITH A MINIMUM OF 3 TESTS, ALTERNATING LIFTS (12") ONE PER SOIL TYPE
FILL & BACKFILL UNDER ROADWAYS AND STRUCTURES	98% MAXIMUM DENSITY (15% PASSING NO. 200) ≥ 15% MODIFIED DENSITY	PER SOIL TYPE ONE PER 200 LF HORIZONTAL OR ONE PER 750 SY WITH A MINIMUM OF 3 TESTS (PER SECTION OF WORK), ALTERNATING LIFTS (12") ONE PER SOIL TYPE
SUBGRADE UNDER ROADWAYS AND STRUCTURES	98% OF MAXIMUM DENSITY, MODIFIED PROCTOR	ONE PER SITE OR AT MATERIAL CHANGES PER SOIL TYPE ONE PER 200 LF HORIZONTAL OR ONE PER 750 SY WITH A MINIMUM OF 3 TESTS (PER SECTION OF WORK)
LIMEROCK BASE UNDER ROADWAYS AND STRUCTURES	98% OF MAXIMUM DENSITY, MODIFIED PROCTOR	ONE PER SITE OR AT MATERIAL CHANGES ONE PER 200 LF HORIZONTAL OR ONE PER 1200 SY WITH A MINIMUM OF 3 TESTS (PER SECTION OF WORK)
ASPHALT	98% LAB DENSITY	ONE PER DAY FOR GRADATION. ONE PER 500 LF HORIZONTAL OR ONE PER 750 SY WITH A MINIMUM OF 3 TEST

CONCRETE TESTING SCHEDULE:

ITEM	28 DAY COMPRESSIVE STRENGTH REQUIREMENT	TEST FREQUENCY
CONCRETE	3,000 PSI	ONE SET OF 3 CYLINDERS PER 50 CY PER DAY

B-1
02-25-20

w=16.5
-200=8.3

- 0 / NA: ASPHALT (6")
- 11: TAN/BROWN/ORANGE MEDIUM DENSE SLIGHTLY SILTY SAND, TRACE SHELL (SP/SM)
- 5: LIGHT GRAY MEDIUM DENSE SILTY FINE SAND WITH SHELL AND PIECE OF PVC (SM)
- 3: TAN/BROWN LOOSE SLIGHTLY SILTY SAND (SP/SM)
- 8: LIGHT BROWN STAINED LOOSE SAND WITH SHELL AND POCKETS OF DARK GRAY SILTY SAND WITH WOOD/ORGANICS (SP)
- 11: BROWN STAINED LOOSE SLIGHTLY SILTY SAND (SP/SM)
- 10: LIGHT BROWN STAINED LOOSE TO MEDIUM DENSE SAND (SP)

B-2
02-25-20

w=44.3
LL=49
PL=22
I1=0.83
-200=50.3

- 0 / NA: ASPHALT (6")
- 11: DARK GRAY MEDIUM DENSE CLAYEY SILTY SAND WITH SOME CLAY SEAMS, TRACE GRAVEL (8"/SM/SC)
- 9: GRAY/ORANGE MEDIUM DENSE SILTY SAND WITH SHELL/WOOD (3"/SM)
- 5: GRAY/BROWN STAINED MEDIUM DENSE TO LOOSE SAND, TRACE SHELL AND BRICK (SP)
- 7: BROWN STAINED MEDIUM DENSE SAND WITH SHELL AND BRICK (SP)
- 13: BROWN STAINED LOOSE TO MEDIUM DENSE SAND WITH DARK BROWN SILTY SAND POCKETS, TRACE WOOD (SP)
- 16: GRAY/BROWN STIFF SANDY CLAY AND CLAYEY SAND (CL+SC)
- 10: DARK BROWN STAINED MEDIUM DENSE SAND (SP)

B-3
02-25-20

w=12.4
-200=9.5

w=41.3
-200=44.7

- 0 / NA: ASPHALT (12")
- 20: GRAY/BROWN MEDIUM DENSE SILTY SAND WITH GRAVEL AND SHELL (SM/GP)
- 8: TAN/ORANGE/BROWN MEDIUM DENSE SLIGHTLY SILTY SAND (SM/SP)
- 8: BROWN/GRAY STAINED LOOSE SAND WITH 2 LAYERS OF BRICK (SP)
- 8*: LIGHT BROWN STAINED LOOSE SAND (SP)
- 5: BROWN STAINED LOOSE SAND WITH PIECES OF BRICK AND SHELL, SOME POCKETS OF DARK BROWN SILTY SAND (SP)
- 10: DARK BROWN STAINED LOOSE SLIGHTLY SILTY SAND AND BROWN SAND (SM/SP+SP)
- GRAY/BROWN LOOSE VERY CLAYEY SAND, TRACE WOOD (CL/SC)
- LIGHT BROWN STAINED MEDIUM DENSE TO LOOSE SAND (SP)

*HAMMER BLOWS:
7-9 FT SAMPLE: 3/3/5/6

B-4
02-25-20

- 0 / NA: ASPHALT (15")
- 10: GRAY/BROWN/SOME ORANGE MEDIUM DENSE SILTY SAND WITH GRAVEL AND LAYER OF SHELL AND BRICK AT 2.5 FT (SM/GP)
- 5: BROWN/TAN/ORANGE LOOSE SILTY SAND, TRACE CLAY AND SHELL (SM)
- 12*: BROWN STAINED LOOSE SAND WITH LAYERS OF DARK BROWN SLIGHTLY SILTY SAND, TRACE SHELL AND DEBRIS (GLASS)(SP)
- 3: BROWN STAINED MEDIUM DENSE SAND, TRACE WOOD (SP)
- 15: BROWN STAINED LOOSE SAND (SP)
- BROWN/DARK BROWN STAINED LOOSE FINE SAND (SP)
- GRAY LOOSE CLAYEY SAND (SC)
- BROWN STAINED MEDIUM DENSE SAND (SP)
- WHITE MEDIUM DENSE FINE SAND (SP)

*HAMMER BLOWS:
5-7 FT SAMPLE: 4/4/8/9

NOTE: BORING HIT REFUSAL AT 1 FT. OFFSET 3 FT WEST.

B-5
02-25-20

w=58.2
LL=71
PL=23
I1=0.73
c=250

- 0 / NA: ASPHALT (16")
- 13: ORANGE MEDIUM DENSE SILTY SAND (SM)(3")
- 9: ORANGE/BROWN MEDIUM DENSE SILTY SAND AND BRICK (SM+ 4")
- 18: BRICK (1.5")(GP)
- 5: GRAY/BROWN MEDIUM DENSE SLIGHTLY SILTY SAND AND SILTY SAND WITH SHELL AND WOOD (SP/SM+SM)
- BROWN MEDIUM DENSE CLAYEY SILTY SAND (4")(SM/SC)
- BROWN STAINED MEDIUM DENSE SAND (SP)
- BROWN STAINED MEDIUM DENSE TO LOOSE FINE SAND WITH SOME POCKETS OF DARK GRAY SAND (SP)
- GRAY CLAY (CH)
- LIGHT BROWN/WHITE SAND (SP)

B-6
02-25-20

- 0 / NA: ASPHALT (16")
- 14: ORANGE/BROWN MEDIUM DENSE SILTY SAND, TRACE GRAVEL (3")(SM)
- 9: DARK GRAY MEDIUM DENSE SILTY SAND WITH GRAVEL (SM/GP)
- 13: GRAY/BROWN STAINED MEDIUM DENSE SAND WITH SILTY SAND LAYERS, TRACE CLAY AND SHELL (SP)
- 7: BROWN STAINED MEDIUM DENSE SAND WITH SOME WOOD (SP)
- 22: BROWN STAINED LOOSE TO MEDIUM DENSE SAND (SP)
- WHITE MEDIUM DENSE SAND (SP)

*HAMMER BLOWS:
1-3 FT SAMPLE: 12/8/6/7
3-5 FT SAMPLE: 5/6/3/4

NOTE: THIN SILTY SAND LAYER AT 10 FEET

B-7
02-25-20

w=13.3
-200=12.5

w=58.2
LL=73
PL=23
I1=0.58
c=250-500
-200=62.6

- 0 / NA: ASPHALT (8")
- A: BROWN/ORANGE SILTY SAND WITH GRAVEL (SM/GP)
- 21: ORANGE SILTY SAND (SM)
- 5: GRAY MEDIUM DENSE SILTY SAND, TRACE CLAY AND COARSE SAND (SM)
- 17: GRAY/GREEN MEDIUM DENSE SILTY VERY FINE SAND (2")(SM)
- 4: GRAY/DARK GRAY MEDIUM DENSE SAND (SP)
- 15: BROWN STAINED MEDIUM DENSE SAND (SP)
- 10: LIGHT BROWN STAINED MEDIUM DENSE TO LOOSE FINE SAND WITH SOME DARK BROWN SILTY SAND (SP)
- LIGHT GRAY SOFT SANDY CLAY (6")(CH)
- LIGHT TAN/GRAY LOOSE SILTY SAND (SM)
- BROWN STAINED MEDIUM DENSE SAND (SP)
- WHITE/LIGHT BROWN MEDIUM DENSE SAND (SP)

NOTE: BORING OFFSET TWO TIMES DUE TO OBSTRUCTION AT 2-3 FT (POSSIBLE CONCRETE). 3RD BORING AUGERED TO 2 FT DUE TO OBSTRUCTIONS.

B-8
02-24-20

w=26.2
-200=4.0

- 0 / NA: ASPHALT (12")
- 22: DARK GRAY/BROWN/SOME ORANGE MEDIUM DENSE SILTY SAND WITH GRAVEL AND CLAY LAYER (SM/GP)
- 16: GRAY MEDIUM DENSE SLIGHTLY SILTY SAND WITH SMALL GRAVEL (SP/SM)
- 8: GRAY MEDIUM DENSE SAND AND SILTY SAND WITH BRICK AND WOOD (SP+SM)
- 10: BROWN/GRAY STAINED LOOSE TO MEDIUM DENSE SAND (SP)
- 9: BROWN MEDIUM DENSE FINE SAND (SP)
- 9*: GRAY MEDIUM DENSE CLAYEY SAND WITH SEAM OF SANDY CLAY (6"/SC+CL)
- WHITE MEDIUM DENSE SAND (SP)

*HAMMER BLOWS:
5-7 FT SAMPLE: 3/2/9/11

B-9
02-24-20

- 0 / NA: ASPHALT (12")
- 11: DARK GRAY/ORANGE MEDIUM DENSE SILTY SAND, TRACE CLAY AND GRAVEL (6"/SM)
- 15: GRAY/BROWN MEDIUM DENSE SLIGHTLY SILTY SAND WITH GRAVEL AND BRICK (SM/SP)
- 3*: GRAY/DARK GRAY MEDIUM DENSE SILTY SAND AND SLIGHTLY SILTY SAND WITH GRAVEL AND PIECES OF BRICK (SM/GP+SP/SM)
- 11: GRAY MEDIUM DENSE TO VERY LOOSE SAND WITH GRAVEL, PIECE OF GLASS, AND WOOD (PARTIALLY DECAYED)(SP/GP)
- 8: BROWN STAINED LOOSE TO MEDIUM DENSE SAND WITH SEAM OF BROWN CEMENTED SAND AT 7.5' (SP)
- LIGHT BROWN STAINED MEDIUM DENSE TO LOOSE FINE SAND (SP)

*HAMMER BLOWS:
5-7 FT SAMPLE: 1/1/2/5

B-10
02-24-20

w=13.6
-200=10.4

w=23.8
-200=1.4

- 0 / NA: ASPHALT (18")
- 16: DARK GRAY/ORANGE MEDIUM DENSE SILTY SAND WITH GRAVEL (SM/GP)
- 8: BROWN/GRAY MEDIUM DENSE TO LOOSE SLIGHTLY SILTY SAND WITH GRAVEL AND TRACE SHELL (SM/SP)
- 10: LIGHT BROWN STAINED LOOSE SAND (SP)
- 9: BROWN STAINED MEDIUM DENSE SAND, TRACE SHELL (SP)
- 9*: BROWN STAINED MEDIUM DENSE TO LOOSE FINE SAND (SP)

*HAMMER BLOWS:
9-11 FT SAMPLE: 6/5/4/3

B-11
02-24-20

- 0 / NA: ASPHALT (13")
- 5/6: DARK GRAY LOOSE SILTY SAND WITH GRAVEL (6"/SM)
- 9: RED/TAN MEDIUM DENSE SLIGHTLY CLAYEY SILTY SAND WITH PIECES OF GRAVEL AND BRICK (SM/SC+GP)
- 29: GRAY/BROWN MEDIUM DENSE SILTY SAND WITH GRAVEL, SHELL AND CLAYEY SANDY SEAMS (SM/GP)
- 19: BROWN STAINED LOOSE SAND, TRACE SHELL (SP)
- 15: LIGHT BROWN STAINED LOOSE TO DENSE TO MEDIUM DENSE SAND (SP)
- BROWN STAINED MEDIUM DENSE SAND (SP)
- DARK BROWN STAINED MEDIUM DENSE SLIGHTLY SILTY SAND (SP/SM)
- BROWN STAINED MEDIUM DENSE FINE SAND (SP)

B-12
02-24-20

- 0 / NA: ASPHALT (12")
- 10: DARK GRAY LOOSE SILTY SAND WITH GRAVEL/CONCRETE/ASPHALT (SM)
- 4: GRAY/BROWN LOOSE TO VERY LOOSE TO MEDIUM DENSE SLIGHTLY SILTY SAND WITH PIECES OF GRAVEL/BRICK AND SOME SEAMS OF ORANGE AND WHITE SANDY CLAY (SM/SP)
- 12: LIGHT BROWN STAINED MEDIUM DENSE SAND (SP)
- 18: BROWN STAINED MEDIUM DENSE SAND WITH SOME SEAMS OF BROWN SILTY SAND (SP)
- 17: BROWN STAINED MEDIUM DENSE SLIGHTLY SILTY FINE SAND (SP/SM)

B-13
03-27-20

- 0: BROWN SILTY SAND (1')(TOPSOIL)(SM)
- ORANGE/TAN SILTY SAND WITH TRACE GRAVEL (SM)
- 5: ORANGE/TAN SLIGHTLY SILTY SAND (SM/SP)
- TAN/BROWN SAND (SP)
- GRAY/BROWN SLIGHTLY SILTY SAND WITH A SEAM OF DARK GRAY SANDY CLAY, TRACE POCKETS OF BLACK SILTY SAND WITH WOOD (PIECE OF CONCRETE AT 4')(SM/SP)

DEPTH (FT)	PROBE (IN)
0	12
1	1
2	2
2.5	2
3	4

Dewberry

139 E. GOVERNMENT STREET
PENSACOLA, FL 32502
(850) 760-0332

HASHTAG CONNECTOR PROJECT
PHASE ONE
MAIN STREET REVITALIZATION
CITY OF PENSACOLA, FLORIDA

SEAL

BID SET
NOT FOR CONSTRUCTION

SCALE

AS SHOWN

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY	G.P. EDWARDS
APPROVED BY	D. TILLAR
CHECKED BY	C. WILSON
DATE	MAY 2020

TITLE

SPECIFICATIONS & BORING LOGS

PROJECT NO. 50119780

C1.3

SHEET NO.

LEGEND:

CRF = CAPPED REBAR FOUND
RBF = REBAR FOUND
MNF = NAIL FOUND
CTIF = CRIMP TOP IRON FOUND
TMB = TEMPORARY BENCHMARK
WM = WATER METER
= WATER VALVE
= IRRIGATION CONTROL VALVE
= FIRE HYDRANT
= POWER POLE
= LIGHT POLE
= GUIDE POLE
= GUY WIRE
= ELECTRIC TRANSFORMER
= ELECTRIC BOX
EM = ELECTRIC METER
GM = GAS METER
AC = AIR CONDITIONER
= CATCH BASIN
= DRAINAGE MANHOLE
= SEWER VALVE
= SANITARY MANHOLE
= TELEPHONE BOX
= TELEPHONE PEDESTAL
FO = FIBER OPTIC BOX
= TRAFFIC LIGHT POLE
= TRAFFIC CONTROL BOX
= UNDERGROUND UTILITY MARKER
= SEWER CLEAN OUT
= SIGN
= BOLLARD
C.B. = CATCH BASIN
RCP = REINFORCED CONCRETE PIPE
CPP = CORRUGATED PLASTIC PIPE
RCAP = REINFORCED CONCRETE ARCH PIPE
CMP = CORRUGATED METAL PIPE
ADR = ASPHALT DRIVE
GDR = GRAVEL DRIVE
CDR = CONCRETE DRIVE
CONC. = CONCRETE
BLDG. = BUILDING
INV. = INVERT
CA = CERTIFICATE OF AUTHORIZATION
LS = LICENSED BUSINESS
R/W = RIGHT OF WAY
= CENTERLINE OF ROAD
OHPL = OVERHEAD POWER LINE
OHUL = OVERHEAD UTILITY LINE
G = UNDERGROUND GAS LINE
S = SANITARY SEWER LINE
FO = FIBER OPTIC LINE
= WOOD FENCE
= METAL/IRON FENCE
60 = CONTOUR ELEVATION
= BREAK LINE

TREE LEGEND:

OAK
MAPLE
PINE
BIRCH
PEAR
CRAPE
SWEETGUM
CAMELIA
MAGNOLIA
CYPRUS

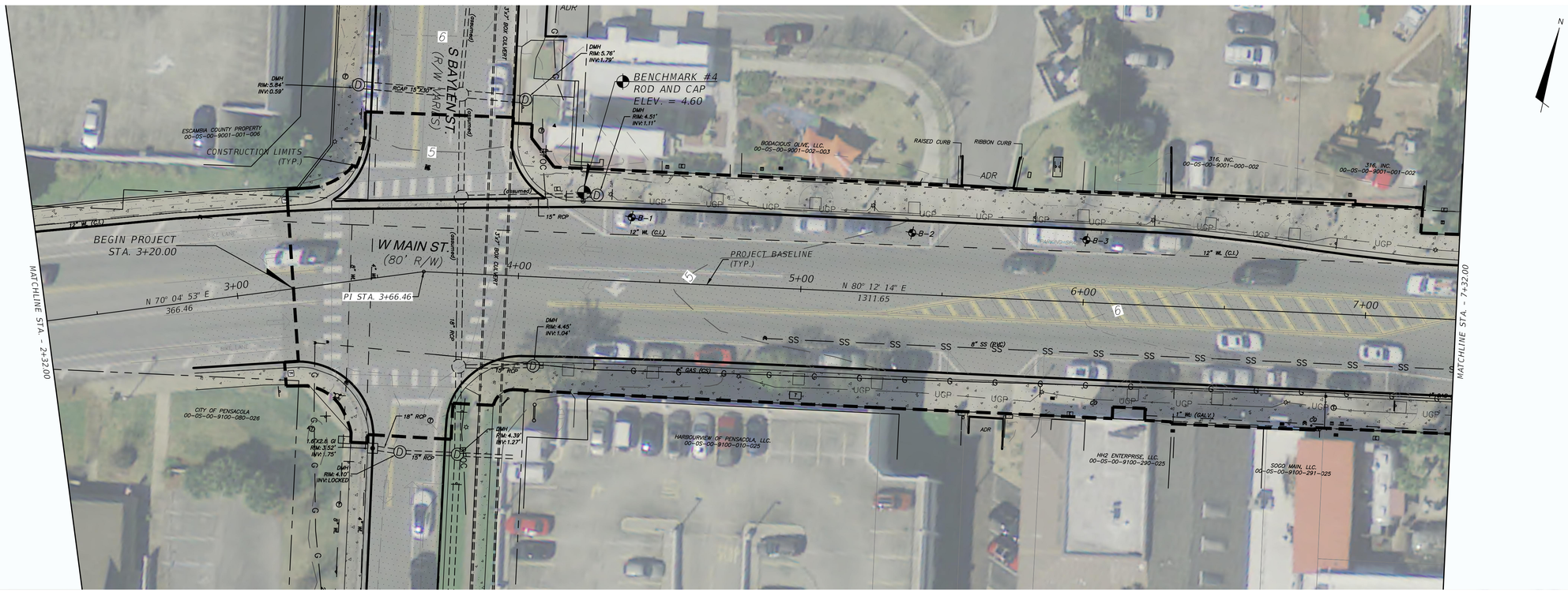
LIMITS OF CONSTRUCTION
EXISTING CONCRETE
EXISTING ASPHALT

NOTES:

1. RIGHT-OF-WAY LINES, RIGHT OF WAY WIDTHS AND PROPERTY LINES SHOWN HEREON ARE APPROXIMATE AND BASED ON FLORIDA DOT ROW MAPS, ESCAMBIA COUNTY PROPERTY APPRAISER GIS MAPS AND SURVEY MONUMENTS FOUND ALONG OR CLOSE TO BUILDING CORNERS AND WALLS, INCLUDING BUT NOT LIMITED TO CAPPED REBAR PINS, "X" MARKS IN CONCRETE AND OTHER MONUMENTATION. SOME RIGHT-OF-WAY LINES WERE CALCULATED USING THE CENTER LINE OF ROADS AND OTHER COUNTY INFORMATION.
2. NO TITLE OR DEED SEARCH WAS PERFORMED BY DEWBERRY FOR THE PROPERTIES ADJACENT TO THE RIGHT-OF-WAY.
3. PROJECT BASELINE HAS BEEN ESTABLISHED AND BEST FIT TO THE CENTER OF THE SURVEYED CITY RIGHT OF WAY.
4. AERIAL IMAGES SHOWN HAVE BEEN BEST FIT TO FIELD SURVEY DATA.



20' 0 20' 40'
SCALE: 1"=20' (Horiz.)



SCALE: 1"=20' (Horiz.)

Dewberry

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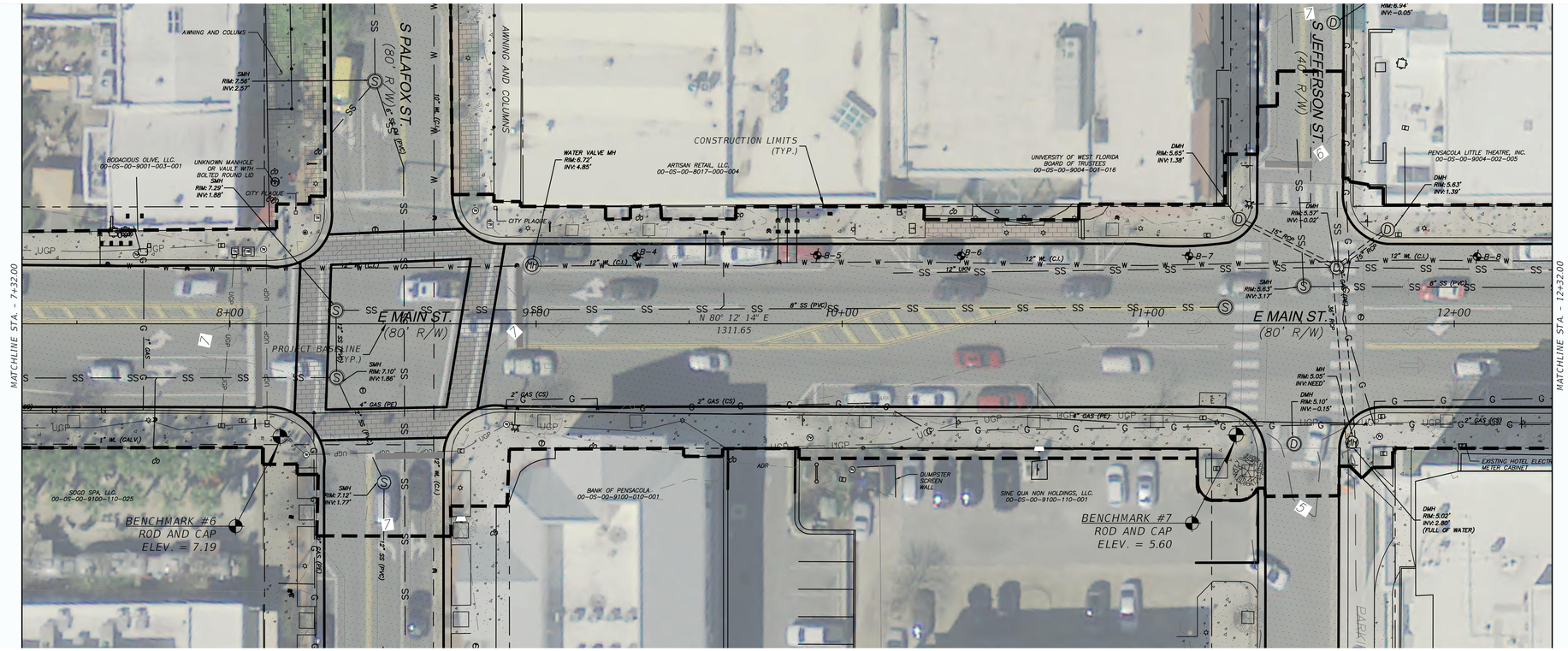
EXISTING CONDITIONS

PROJECT NO. 50119780

C2.0

SHEET NO.

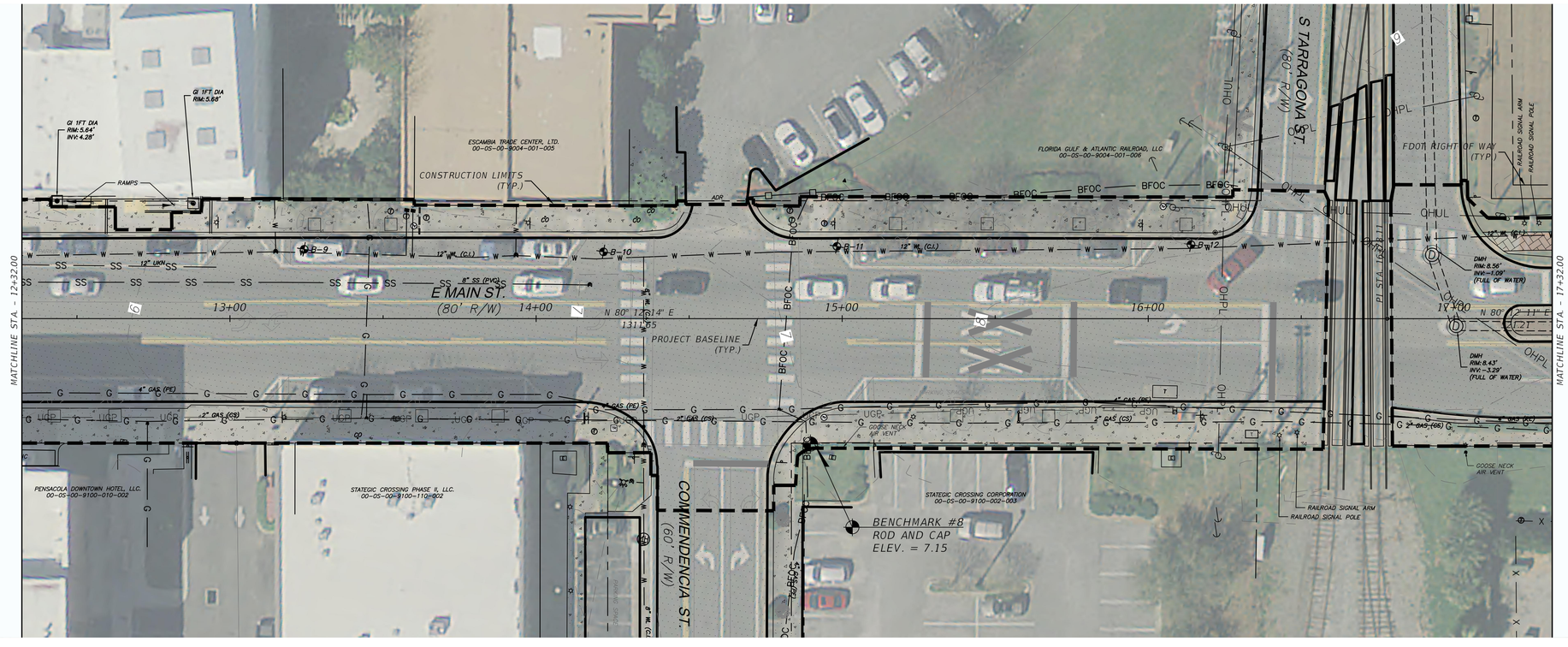
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NOTE: SEE SHEET C2.0 FOR LEGEND

20' 0 20' 40'

SCALE: 1"=20' (Horiz.)



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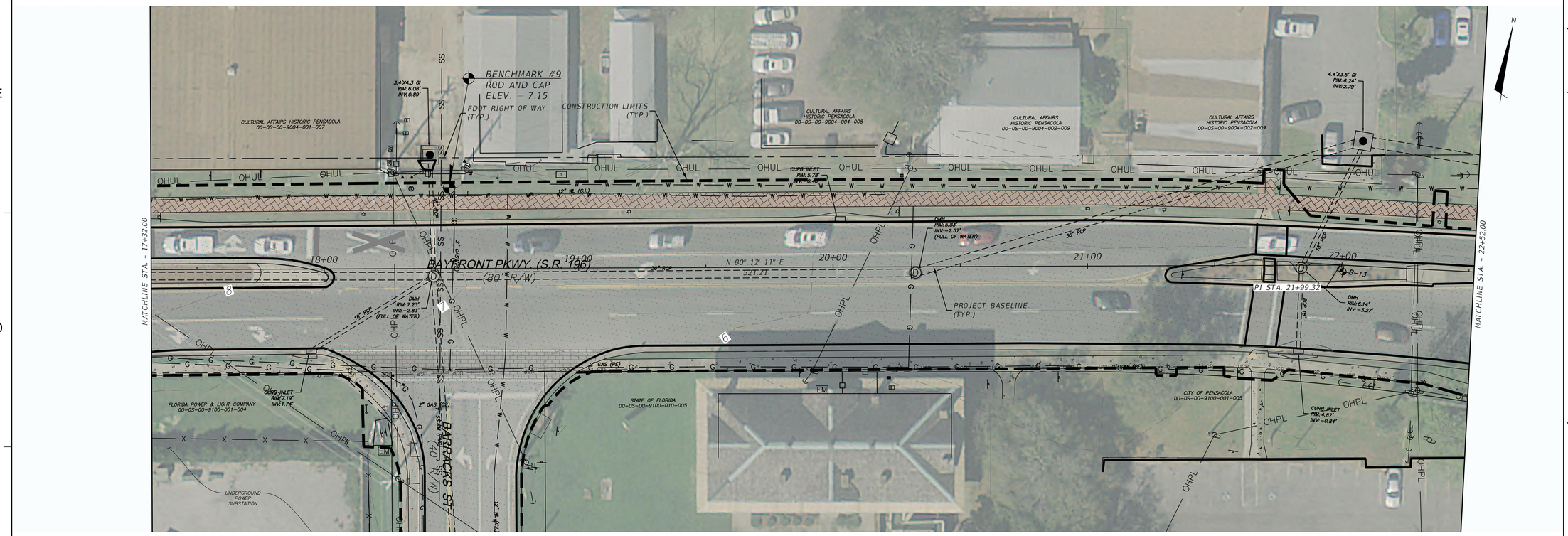
EXISTING CONDITIONS

PROJECT NO. 50119780

C2.1

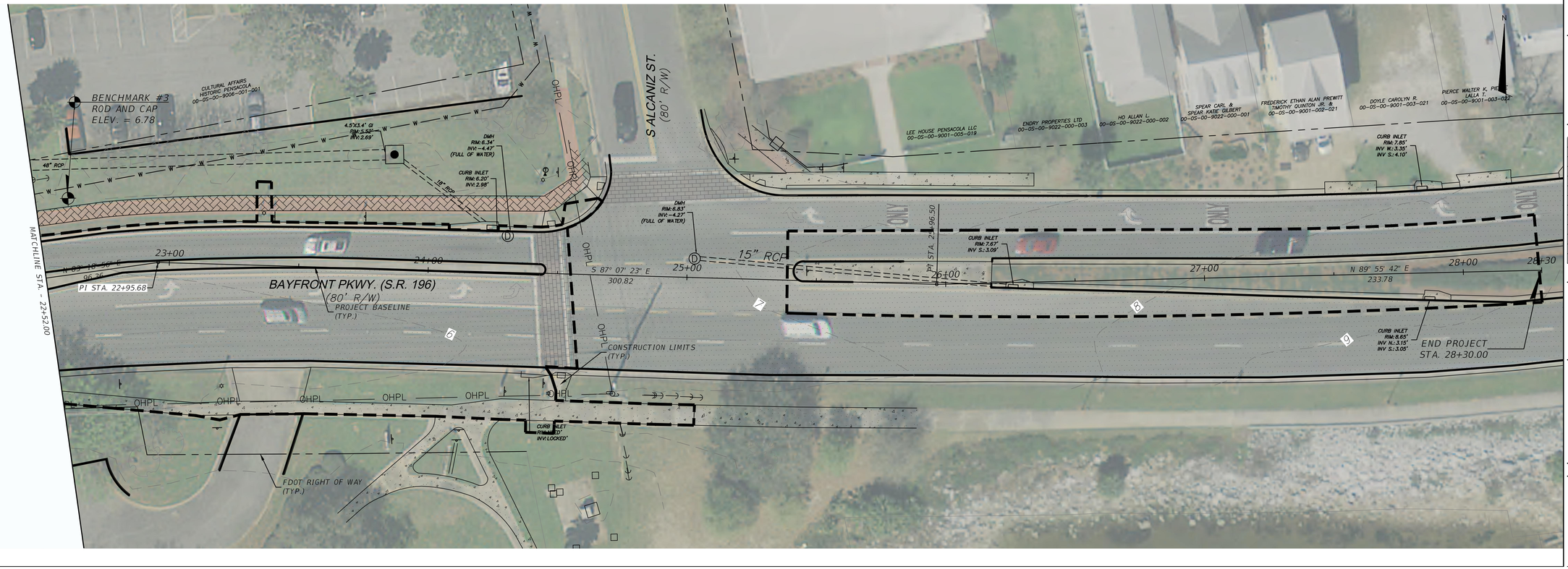
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NOTE: SEE SHEET C2.0 FOR LEGEND

SCALE: 1"=20' (Horiz.)



20' 0 20' 40'

SCALE: 1"=20' (Horiz.)

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HASHTAG CONNECTOR PROJECT
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CITY OF PENSACOLA, FLORIDA

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DATE	MAY 2020

TITLE

EXISTING CONDITIONS

PROJECT NO. 50119780

C2.2

SHEET NO.

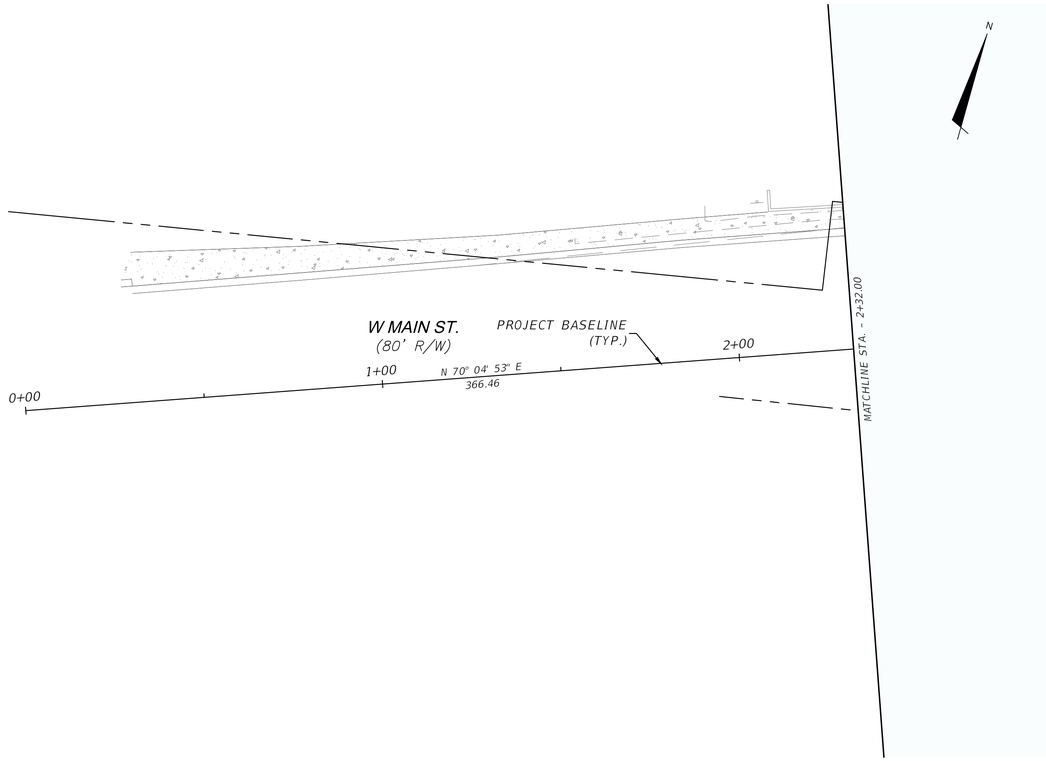
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LEGEND

- LIMITS OF CONSTRUCTION
- EXISTING LIGHT POLE
- EXISTING CONCRETE
- EXISTING ASPHALT
- REMOVE EXISTING CONCRETE
- REMOVE EXISTING ASPHALT
- SAWCUT AND REMOVE
- DEMOLITION
- REMOVE EXISTING TREE
- INLET PROTECTION

DEMOLITION NOTES	
1	SAW-CUT AND REMOVE EXISTING TYPE 'F' CURBING AS SHOWN (TYP.)
2	BEGIN OR END 1 1/4" MILLING (TYP.)
3	SAW-CUT EXISTING CONCRETE SIDEWALK AS SHOWN (TYP.)
4	MATCH EXISTING ASPHALT PAVEMENT (TYP.)
5	SAW-CUT EXISTING ASPHALT PAVEMENT TO DEPTH OF 18"
6	INSTALL INLET PROTECTION FOR EXISTING STORM STRUCTURE (TYP.)
7	CONTRACTOR TO DEMOLISH EXISTING ENTRANCE WHILE PROVIDING VEHICULAR ACCESS TO PRIVATE ENTRANCE WITH TEMPORARY GRAVEL FILL (TYP.)
8	REMOVE EXISTING TREE AND GRATE (TYP.)
9	REMOVE EXISTING LIGHT POLE AS SHOWN (TYP.)
10	CONTRACTOR TO REMOVE AND DEMOLISH EXISTING STORM STRUCTURE AND/OR PIPE, SEE GRADING AND DRAINAGE SHEETS FOR LOCATION.
11	REMOVE AND RELOCATE STREET SIGN AS SHOWN (TYP.)
12	PROTECT AND RETAIN MUSEUM OF ART DONOR BRICKS (TYP.)
13	PROTECT AND RETAIN PENSACOLA LITTLE THEATRE PLAQUES (TYP.)

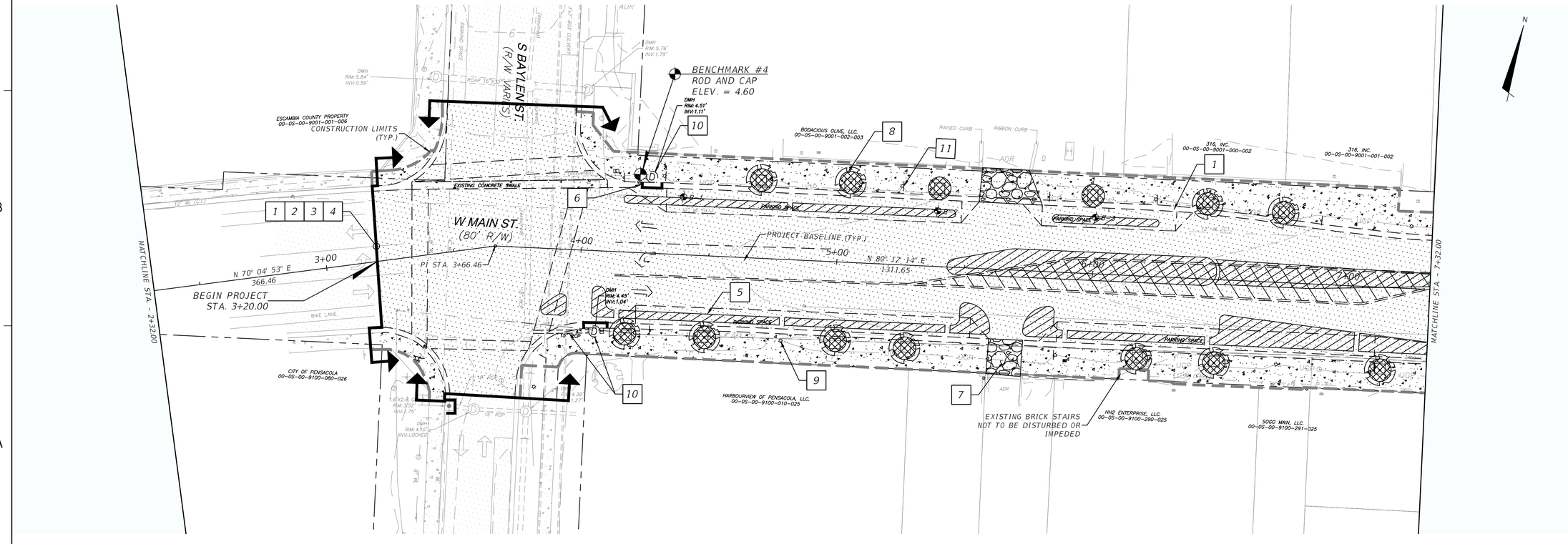
BENCHMARK #5
ROD AND CAP
ELEV. = 8.09



NOTES:

1. SEE MAINTENANCE OF TRAFFIC PLANS FOR STREET AND SIDEWALK CLOSURES AND PHASING.
2. CONTRACTOR SHALL PROTECT EXISTING VALVE STEMS, VALVES, METER BOXES, QUAZITE BOXES, CLEAN OUTS, ELECTRIC HANDHOLES, AND OTHER UTILITIES FOUND THROUGHOUT DEMOLITION AND CONSTRUCTION.
3. CONTRACTOR SHALL PROTECT AND SALVAGE ALL EMBEDDED MONUMENT PLAQUES AND PAVERS AND REINSTALL WHERE INDICATED.
4. CONTRACTOR SHALL PROTECT EXISTING MANHOLE FRAME AND COVERS, VAULTS, CABINETS, AND DRAINAGE INLETS UNLESS OTHERWISE SPECIFIED.
5. EXISTING FIRE HYDRANTS TO REMAIN UNDISTURBED DURING DEMOLITION AND CONSTRUCTION. HYDRANTS ARE TO REMAIN FREE AND CLEAR OF OBSTRUCTION AND ACCESSIBLE AT ALL TIMES.
6. CONTRACTOR SHALL COORDINATE SAWCUTTING AND DEMOLITION ACTIVITIES WITH THE UTILITY PROVIDERS. NO SERVICE DISRUPTIONS ARE ALLOWED UNLESS CALLED FOR AS SHOWN.
7. SEE LANDSCAPE DRAWINGS FOR LIMITS AND DEPTHS OF STRUCTURED SOIL INSTALLATION.
8. EXISTING SIGNAGE TO BE REMOVED AND PROVIDED TO THE OWNER.

20' 0 20' 40'
SCALE: 1"=20' (Horiz.)



Dewberry

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MAIN STREET REVITALIZATION

CITY OF PENSACOLA, FLORIDA

SEAL

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SCALE

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APPROVED BY	D. TILLAR
CHECKED BY	C. WILSON
DATE	MAY 2020

TITLE

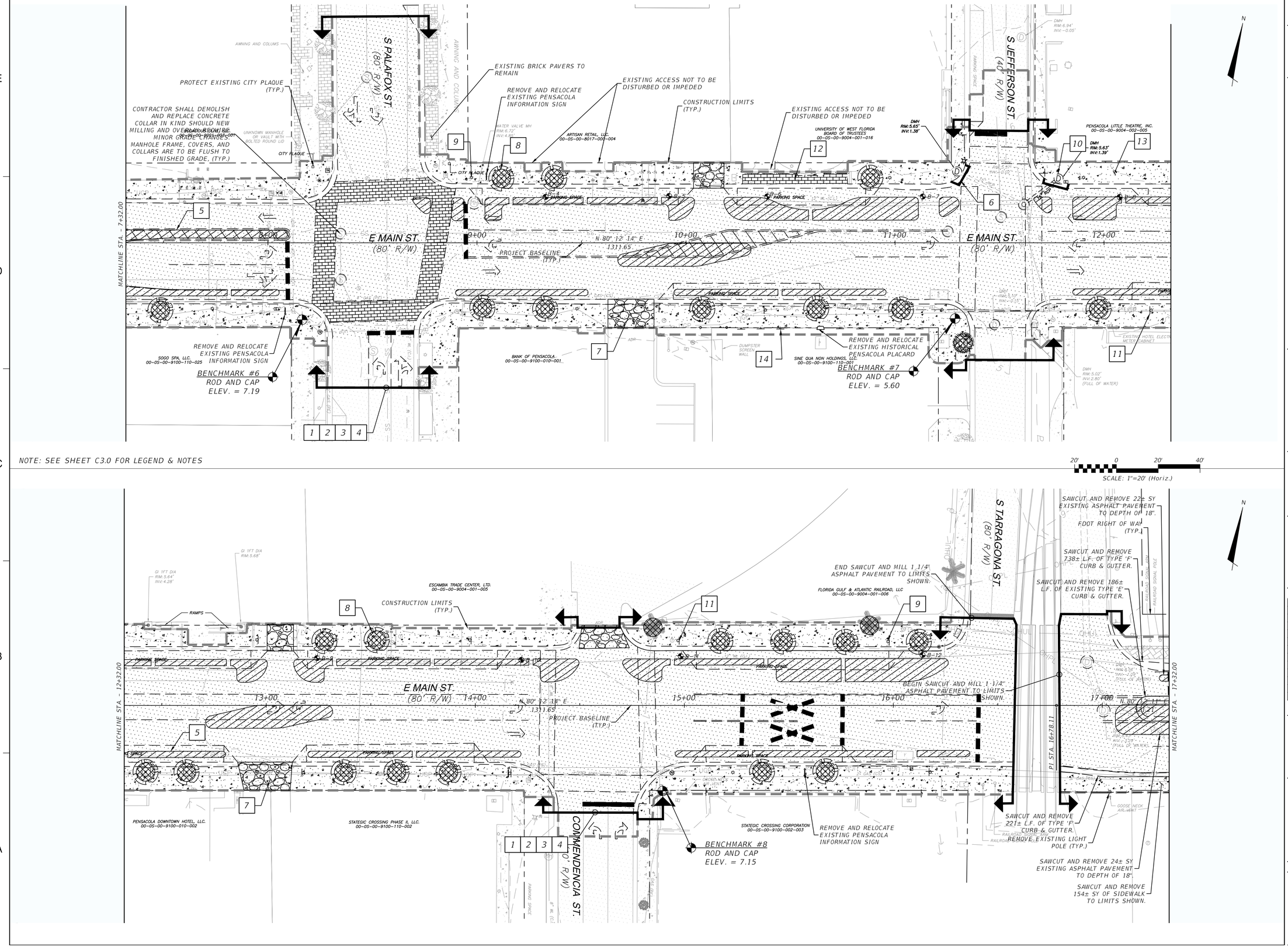
DEMO AND ESC PLAN

PROJECT NO. 50119780

C3.0

SHEET NO.

12/7/2021 5:09:28 PM - Q:\50119780 CITY OF PENSACOLA HASHTAG CONNECTOR PROJECT-PHASE ONE MAIN STREET\2 - DESIGN PHASE SERVICES\CAD\CIVIL\2 PLANS\DEMO AND ESC PLAN.DWG



NOTE: SEE SHEET C3.0 FOR LEGEND & NOTES

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HASHTAG CONNECTOR PROJECT
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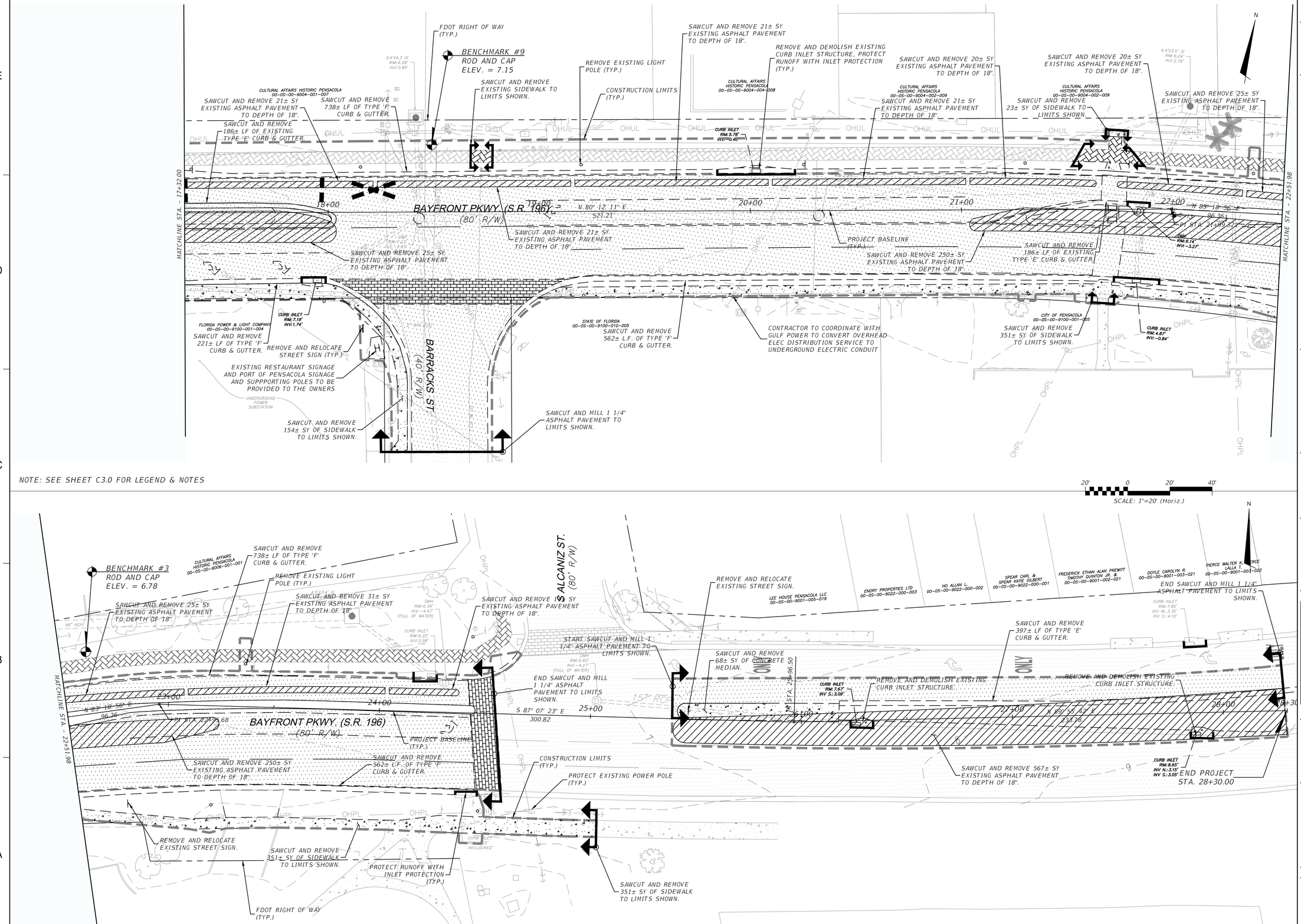
DEMO AND ESC PLAN

PROJECT NO. 50119780

C3.1

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NOTE: SEE SHEET C3.0 FOR LEGEND & NOTES

SCALE: 1"=20' (Horiz.)

Dewberry
139 E. GOVERNMENT STREET
PENSACOLA, FL 32502
(850) 760-0332

HASHTAG CONNECTOR PROJECT
PHASE ONE
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CITY OF PENSACOLA, FLORIDA

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TITLE

DEMO AND ESC PLAN

PROJECT NO. 50119780

C3.2

SHEET NO.

12/7/2021 5:00:28 PM - Q:\50119780 CITY OF PENSACOLA HASHTAG CONNECTOR PROJECT-PHASE ONE MAIN STREET\2 - DESIGN PHASE SERVICES\CAD\CIVIL\2 PLANS\DEMO AND ESC PLAN.DWG

Dewberry

139 E. GOVERNMENT STREET
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HASHTAG CONNECTOR PROJECT
PHASE ONE
MAIN STREET REVITALIZATION

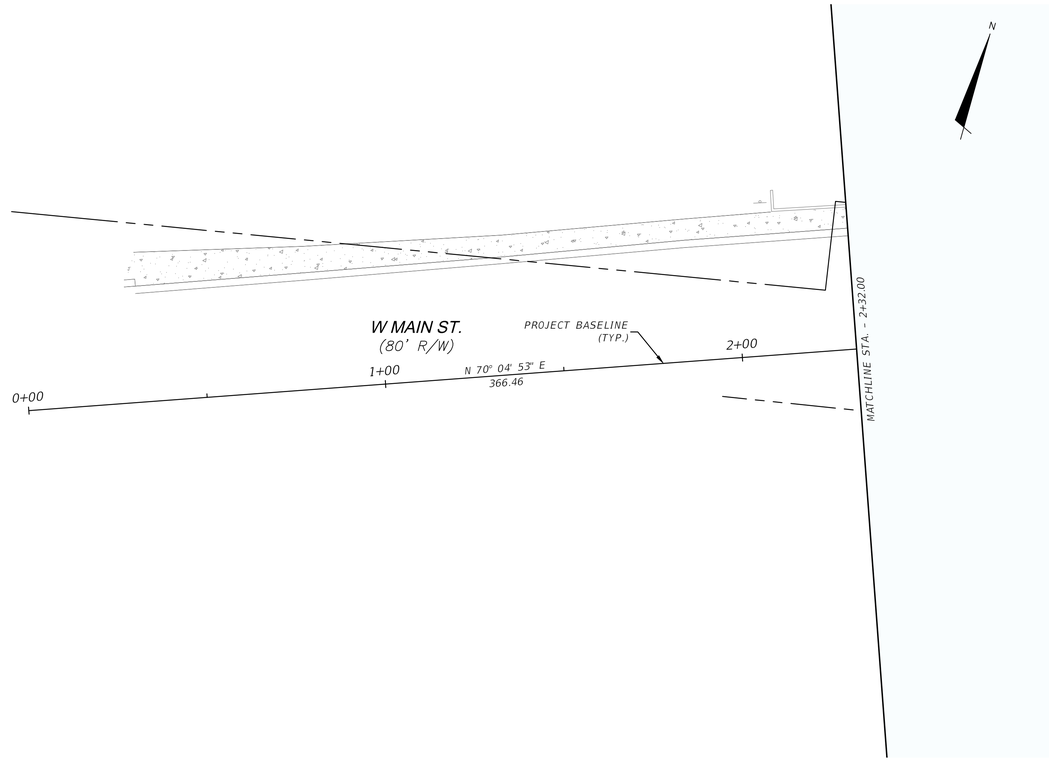
CITY OF PENSACOLA, FLORIDA

SEAL

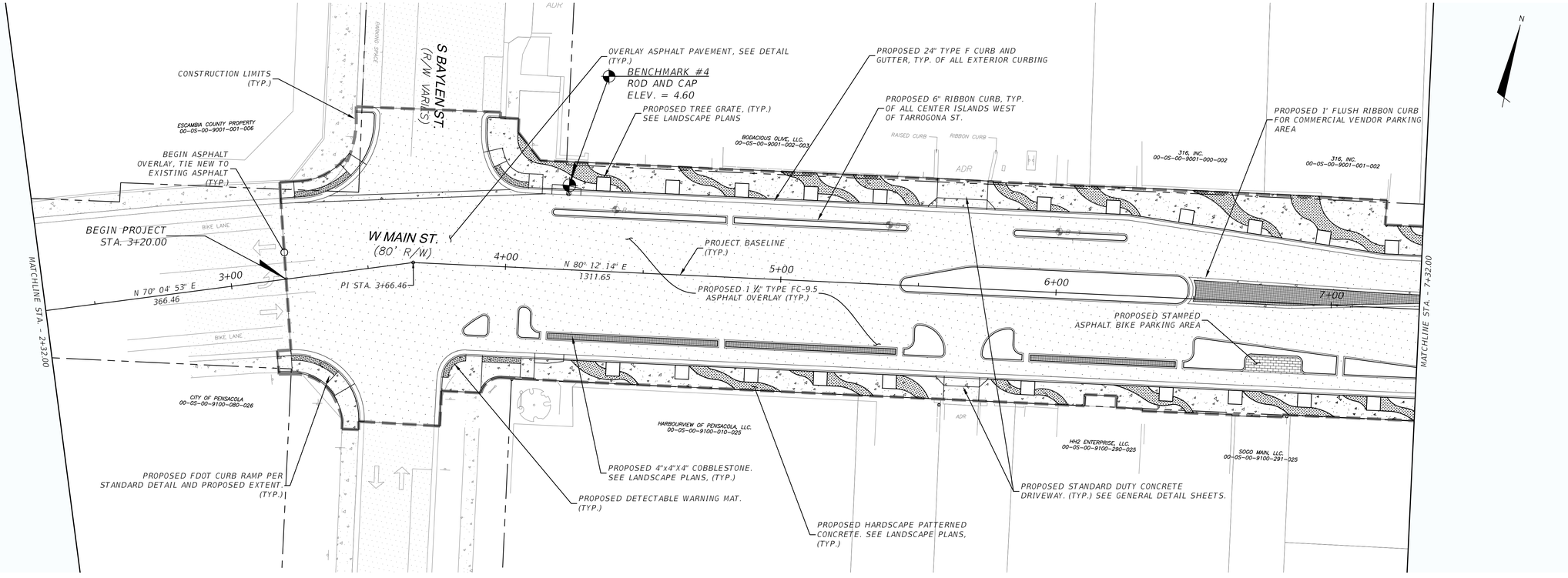
BENCHMARK #5
ROD AND CAP
ELEV. = 8.09

LEGEND

- LIMITS OF CONSTRUCTION
- EXISTING CONCRETE
- EXISTING ASPHALT
- PROPOSED SIDEWALK & CROSSWALK PAVERS
- PROPOSED MILL & OVERLAY ASPHALT PAVEMENT
- PROPOSED 18" FULL DEPTH ASPHALT PAVEMENT
- PROPOSED DETECTABLE WARNING MATS
- PROPOSED CONCRETE
- PROPOSED SHELL STONE PAVERS
- PROPOSED COBBLESTONE



20' 0 20' 40'
SCALE: 1"=20' (Horiz.)



BID SET
NOT FOR CONSTRUCTION

SCALE

AS SHOWN

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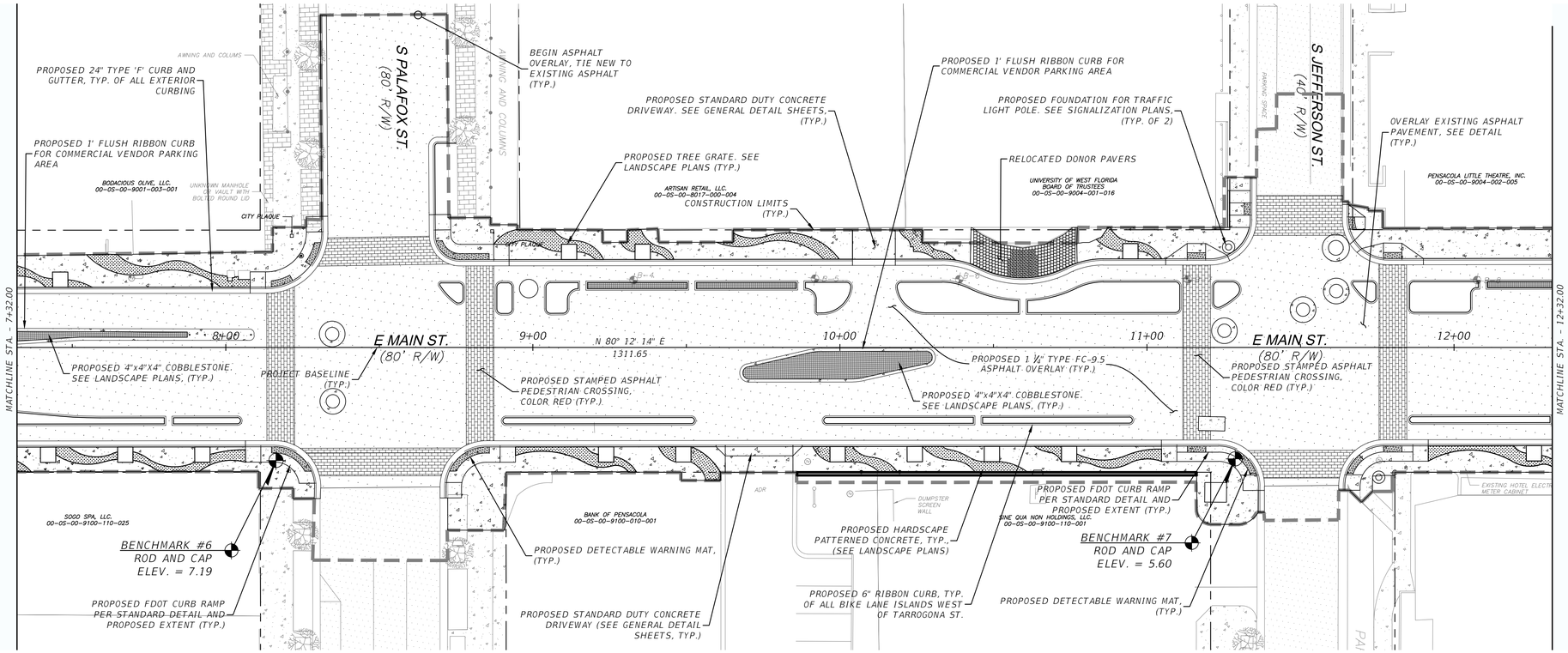
SITE LAYOUT PLAN

PROJECT NO. 50119780

C4.0

SHEET NO.

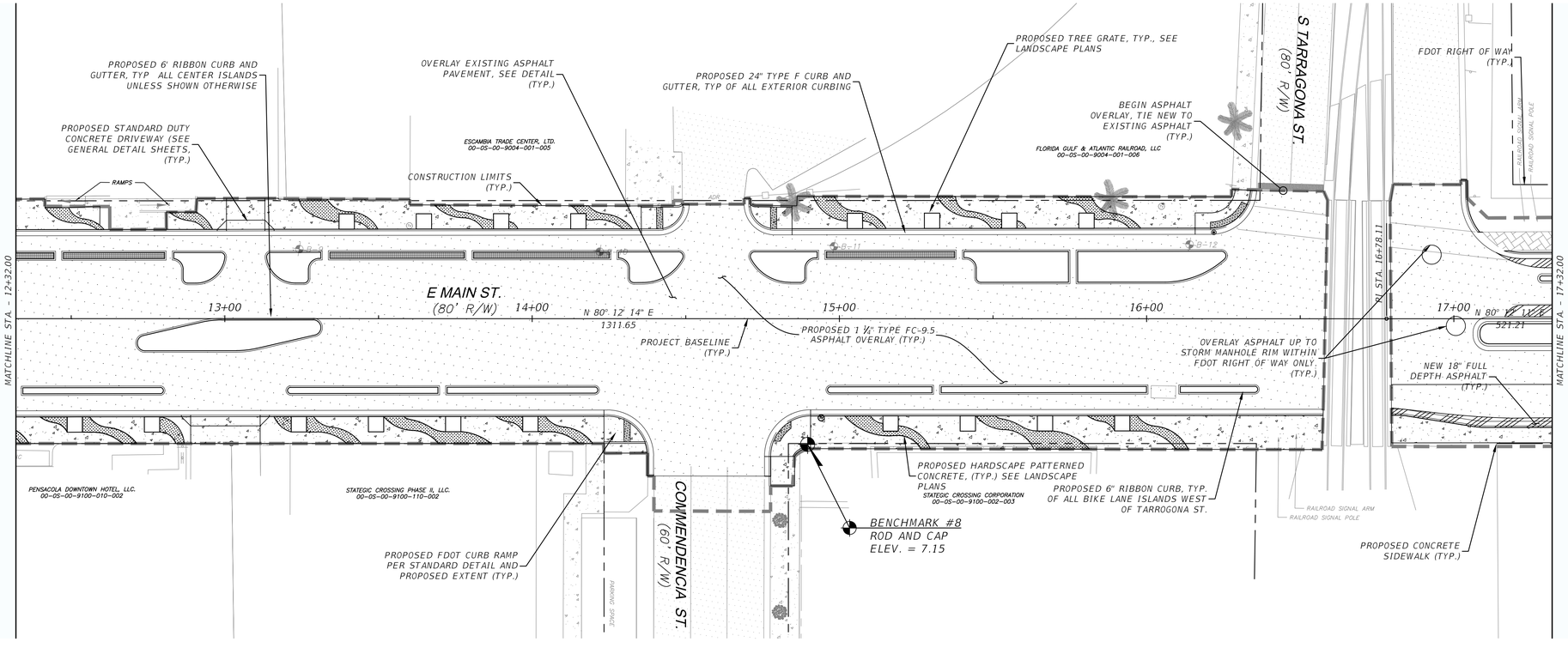
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NOTE: SEE SHEET C4.0 FOR LEGEND

20' 0 20' 40'

SCALE: 1"=20' (Horiz.)



SCALE: 1"=20' (Horiz.)

Dewberry

139 E. GOVERNMENT STREET
PENSACOLA, FL 32502
(850) 760-0332

HASHTAG CONNECTOR PROJECT
PHASE ONE
MAIN STREET REVITALIZATION
CITY OF PENSACOLA, FLORIDA

SEAL

BID SET
NOT FOR CONSTRUCTION

SCALE

AS SHOWN

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY	G.P. EDWARDS
APPROVED BY	D. TILLAR
CHECKED BY	C. WILSON
DATE	MAY 2020

TITLE

SITE LAYOUT PLAN

PROJECT NO. 50119780

C4.1

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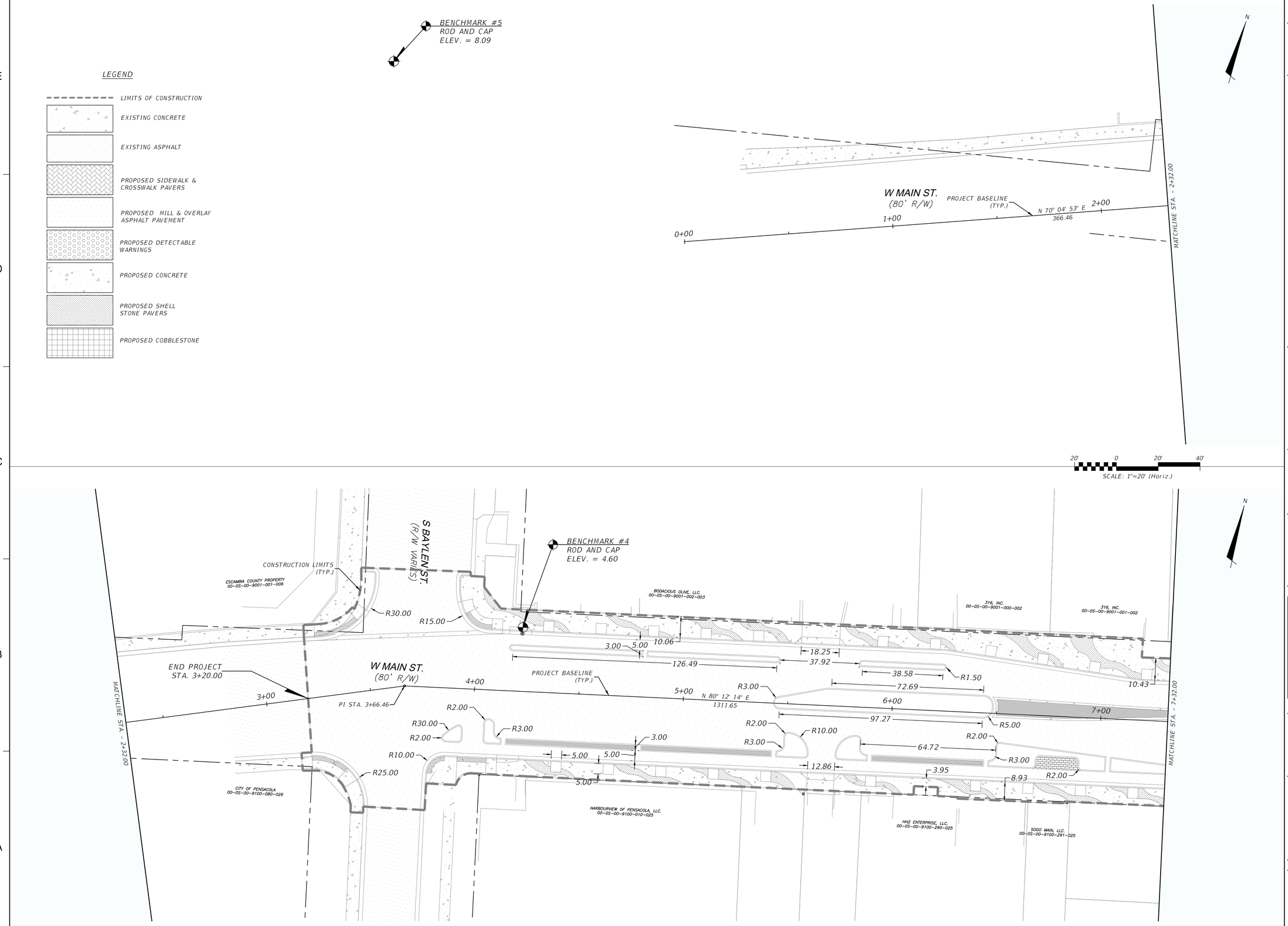
SITE LAYOUT PLAN

PROJECT NO. 50119780

C4.2

SHEET NO.

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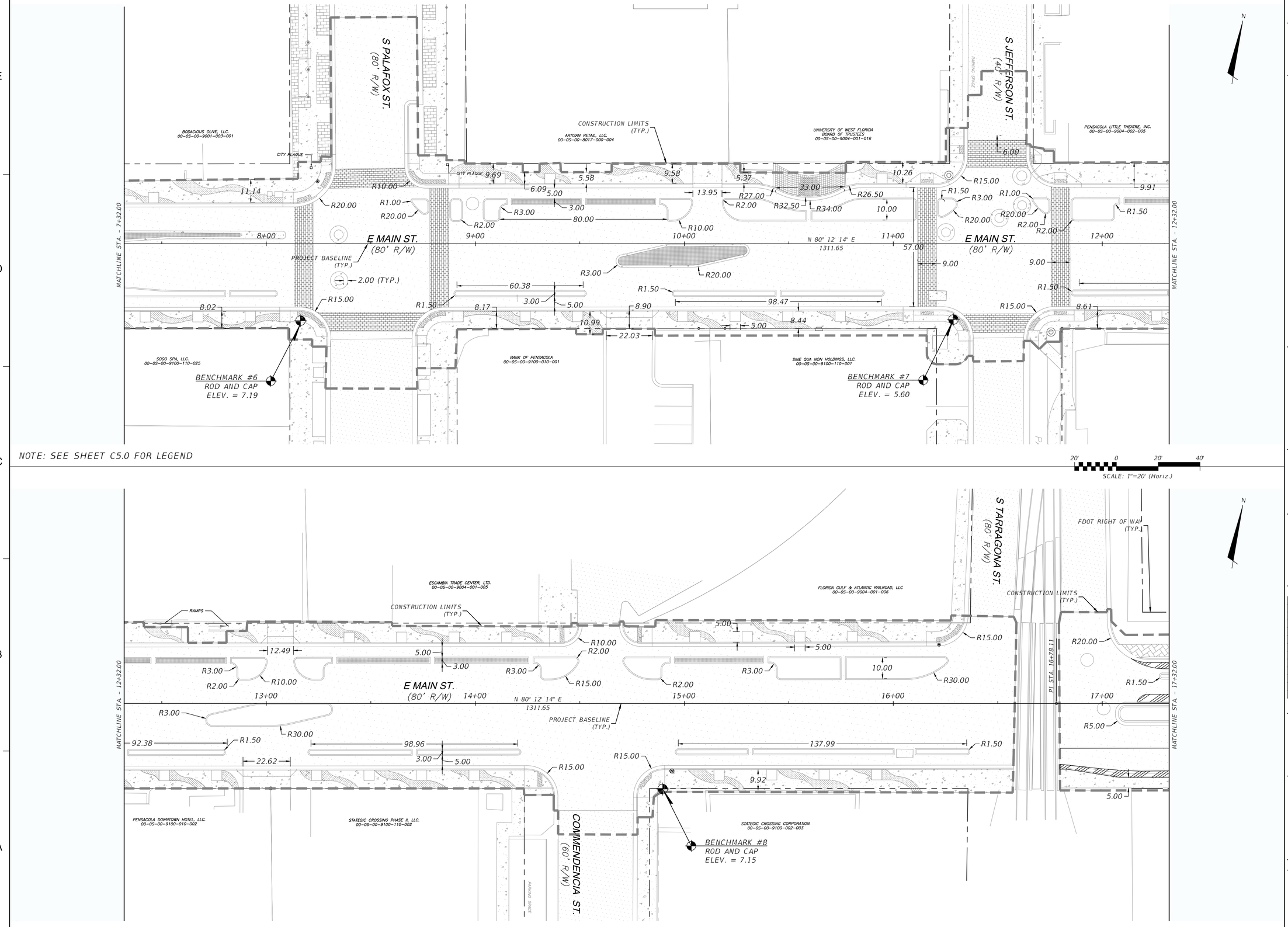
SITE DIMENSIONING PLAN

PROJECT NO. 50119780

C5.0

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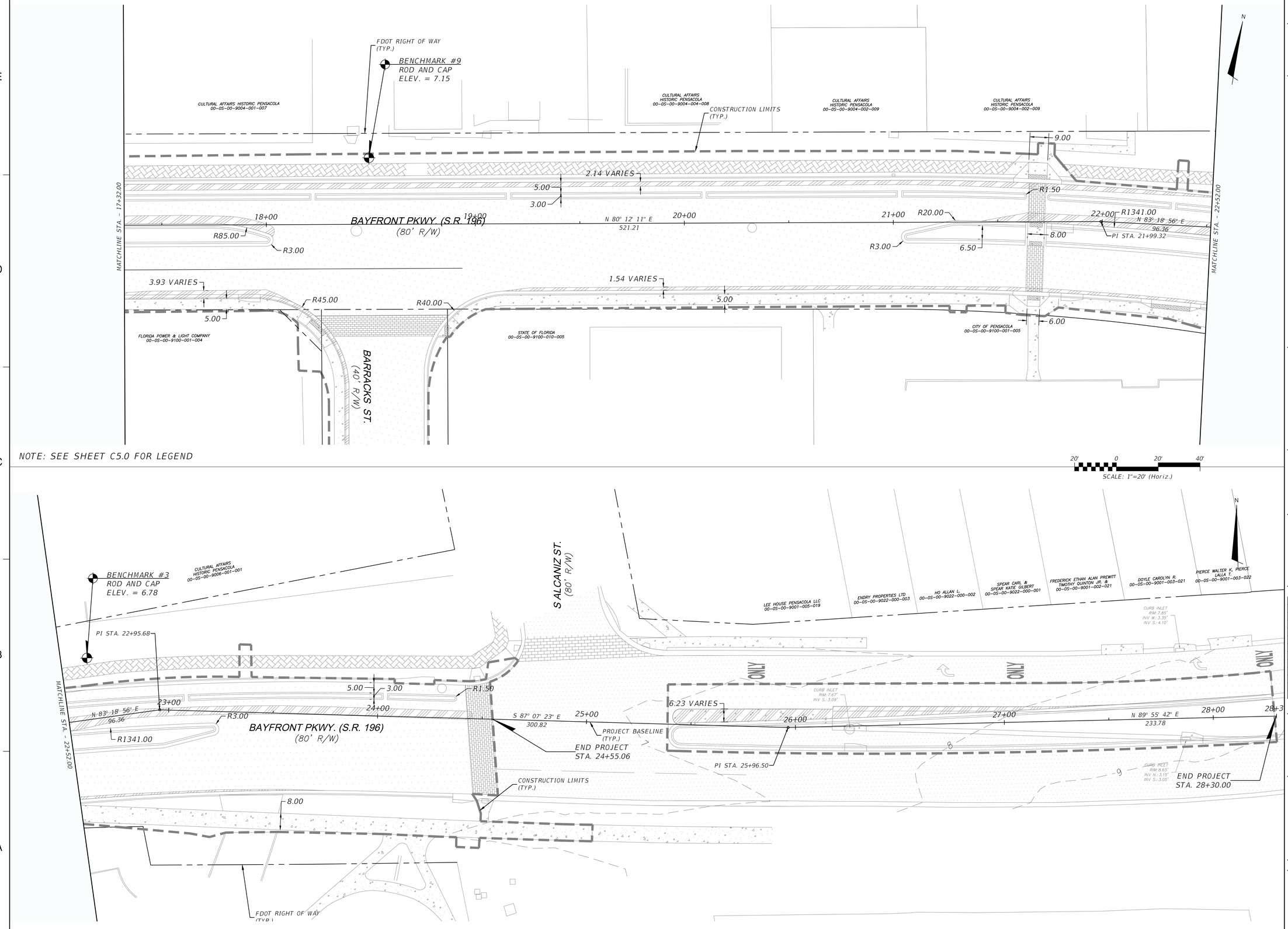
SITE DIMENSIONING PLAN

PROJECT NO. 50119780

C5.1

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SITE DIMENSIONING PLAN

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C5.2

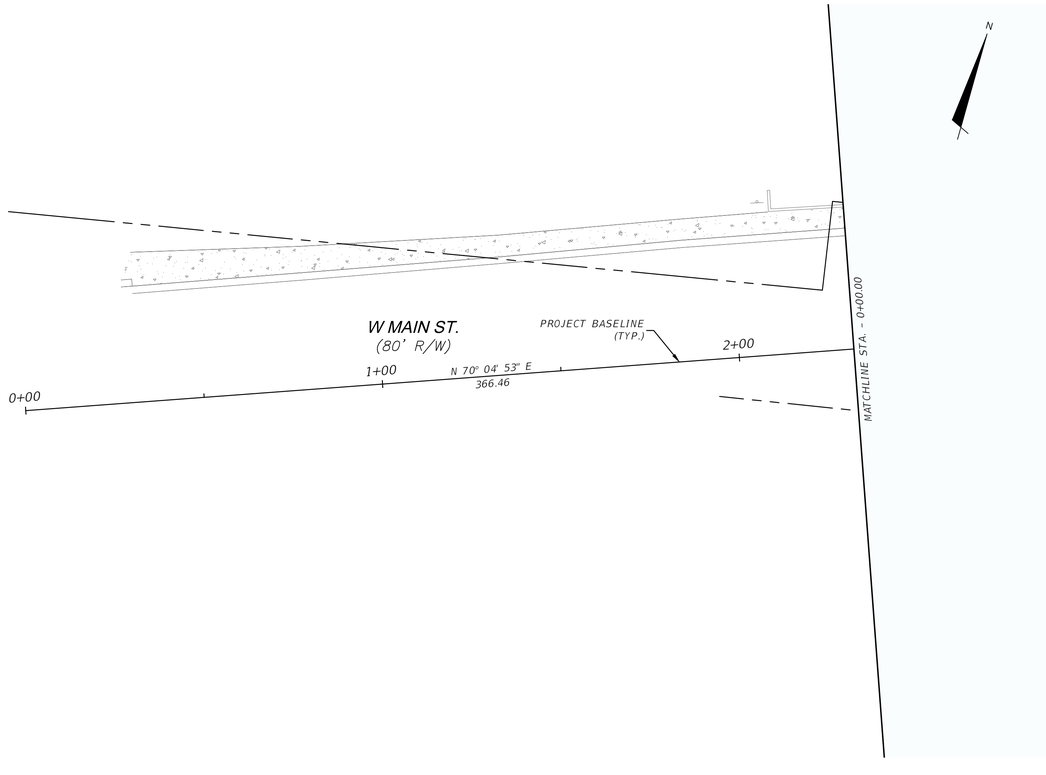
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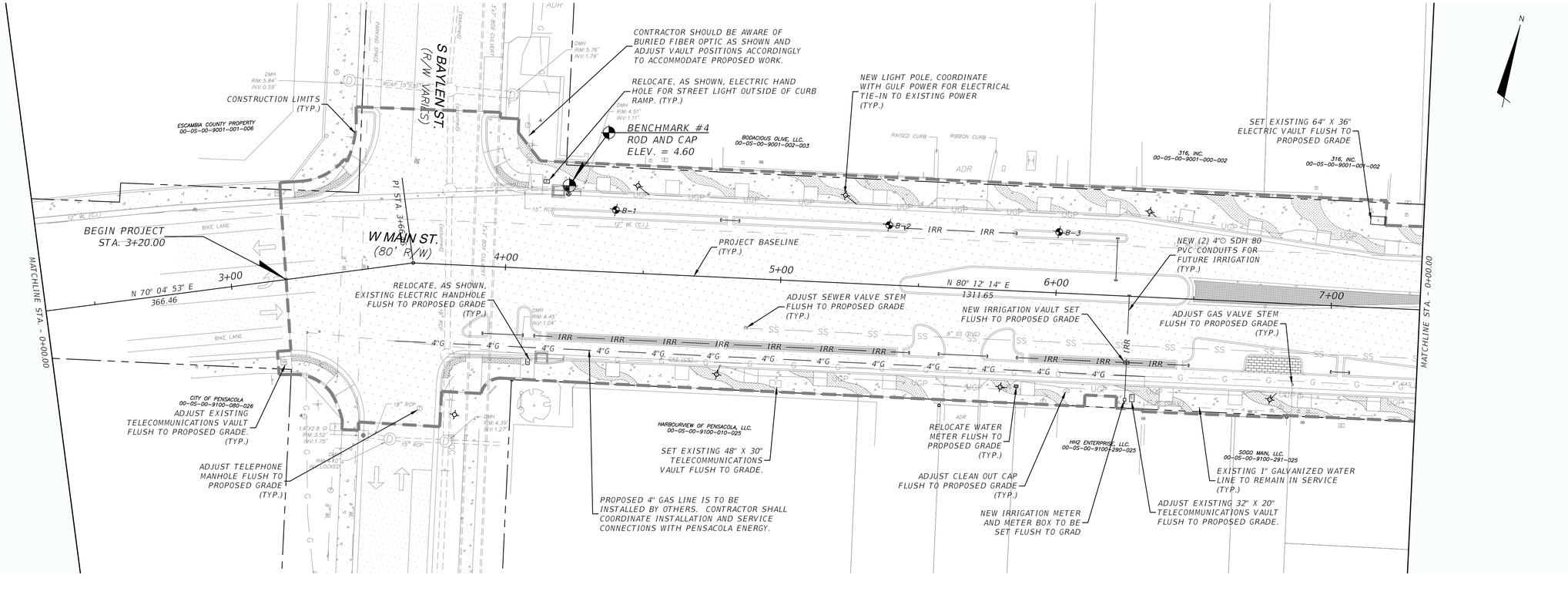
LEGEND

- LIMITS OF CONSTRUCTION
- EXISTING CONCRETE
- EXISTING ASPHALT
- NEW LIGHT POLE
- PROPOSED SIDEWALK & CROSSWALK PAVERS
- PROPOSED MILL & OVERLAY ASPHALT PAVEMENT
- PROPOSED DETECTABLE WARNINGS
- PROPOSED CONCRETE
- PROPOSED SHELL STONE PAVERS
- PROPOSED COBBLESTONE

BENCHMARK #5
ROD AND CAP
ELEV. = 8.09



20' 0 20' 40'
SCALE: 1"=20' (Horiz.)



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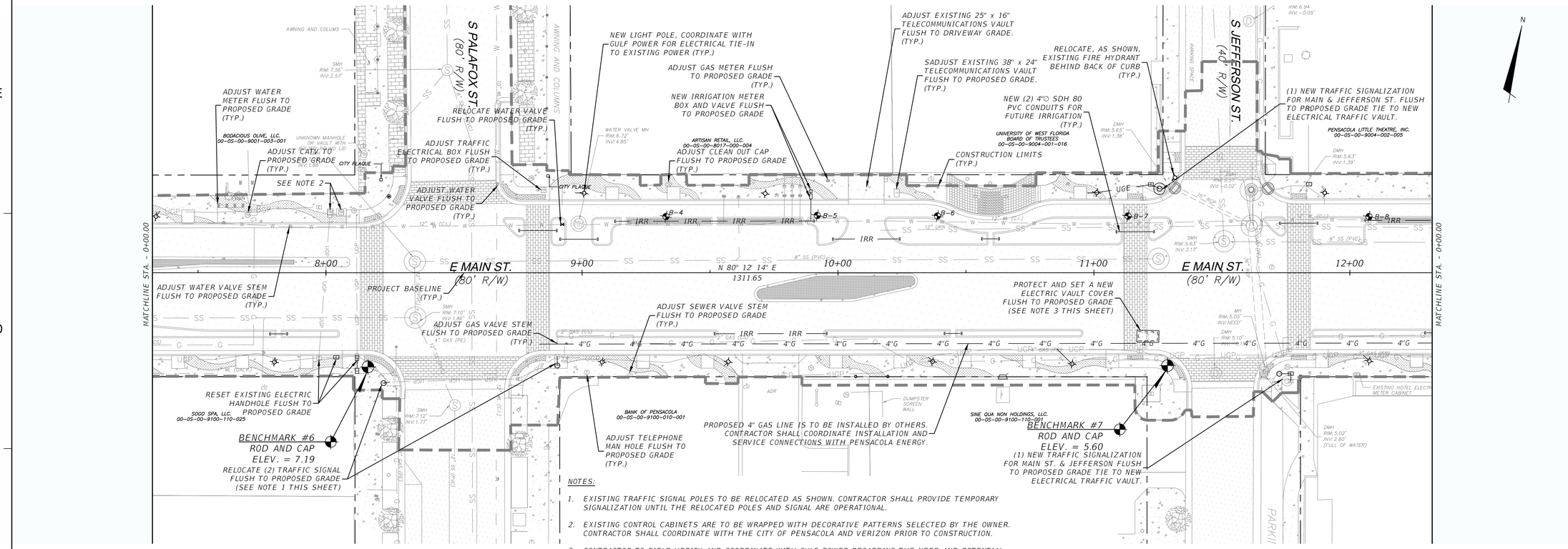
DRAWN BY	G.P. EDWARDS
APPROVED BY	D. TILLAR
CHECKED BY	C. WILSON
DATE	MAY 2020

TITLE
UTILITY LAYOUT PLAN

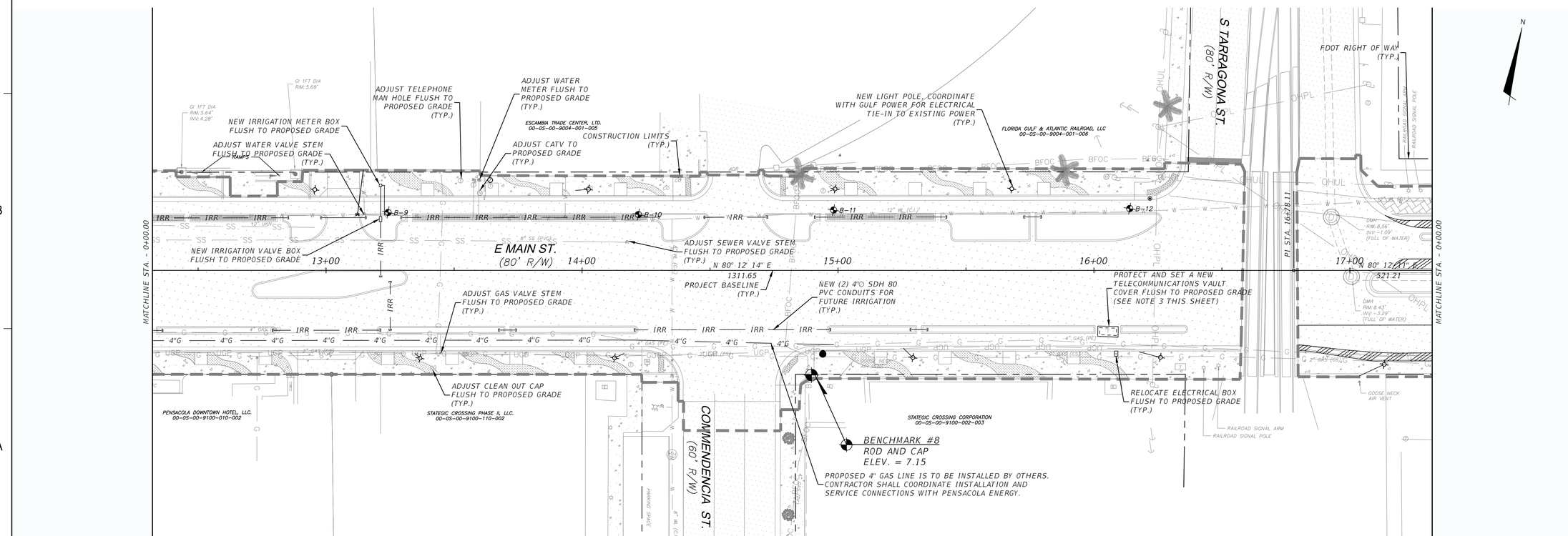
PROJECT NO. 50119780

C6.0
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NOTE: SEE SHEET C6.0 FOR LEGEND



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HASHTAG CONNECTOR PROJECT
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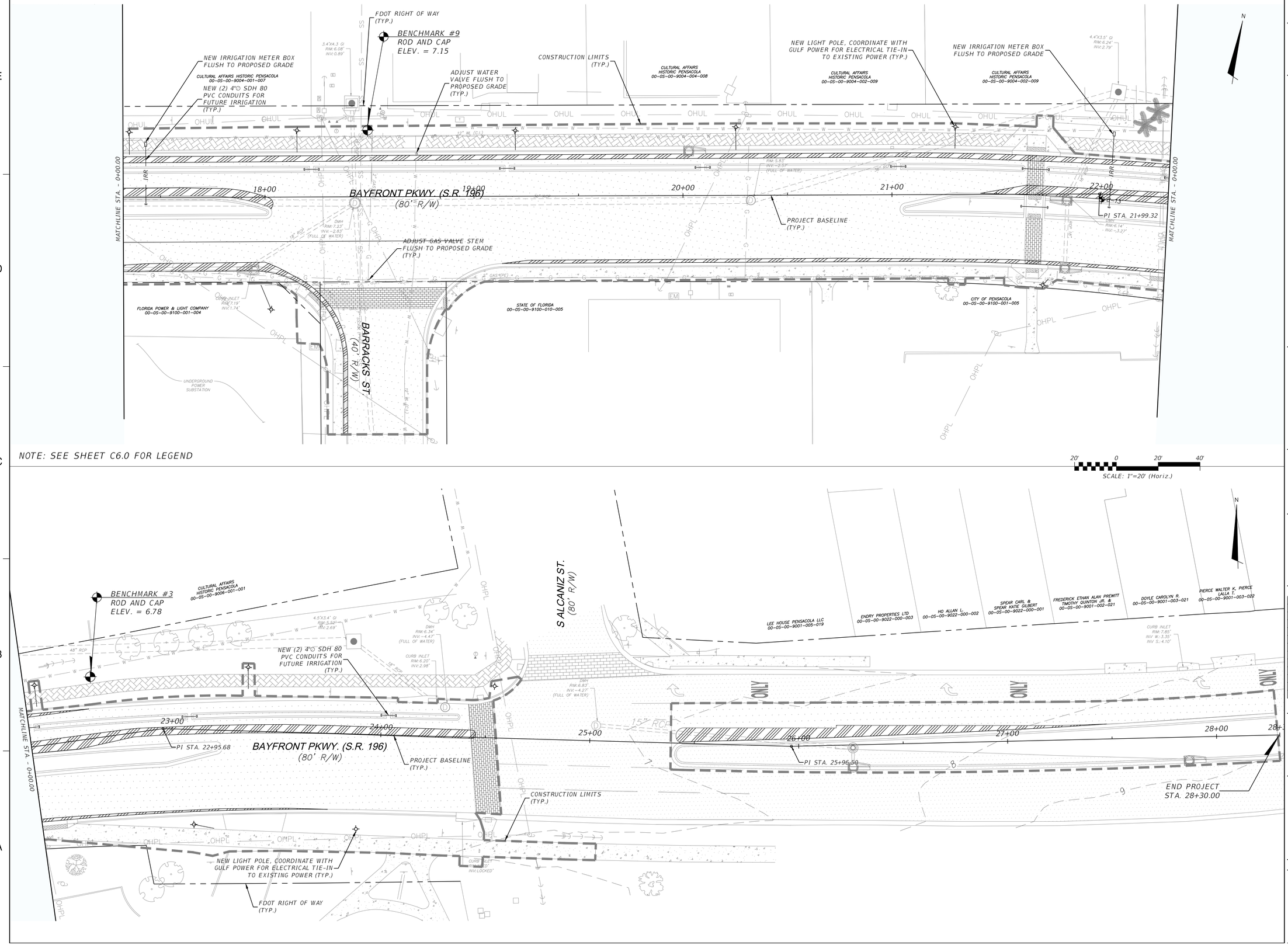
UTILITY LAYOUT PLAN

PROJECT NO. 50119780

C6.1

SHEET NO.

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C6.2

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GRADING AND DRAINAGE PLAN

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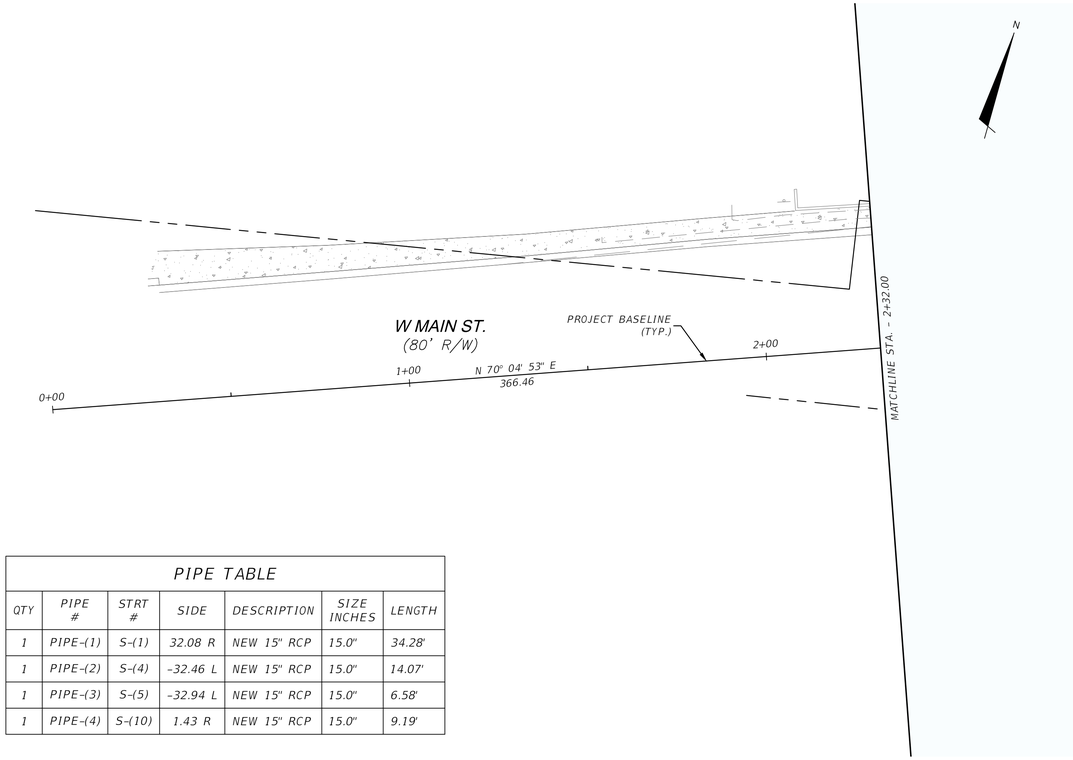
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SHEET NO.

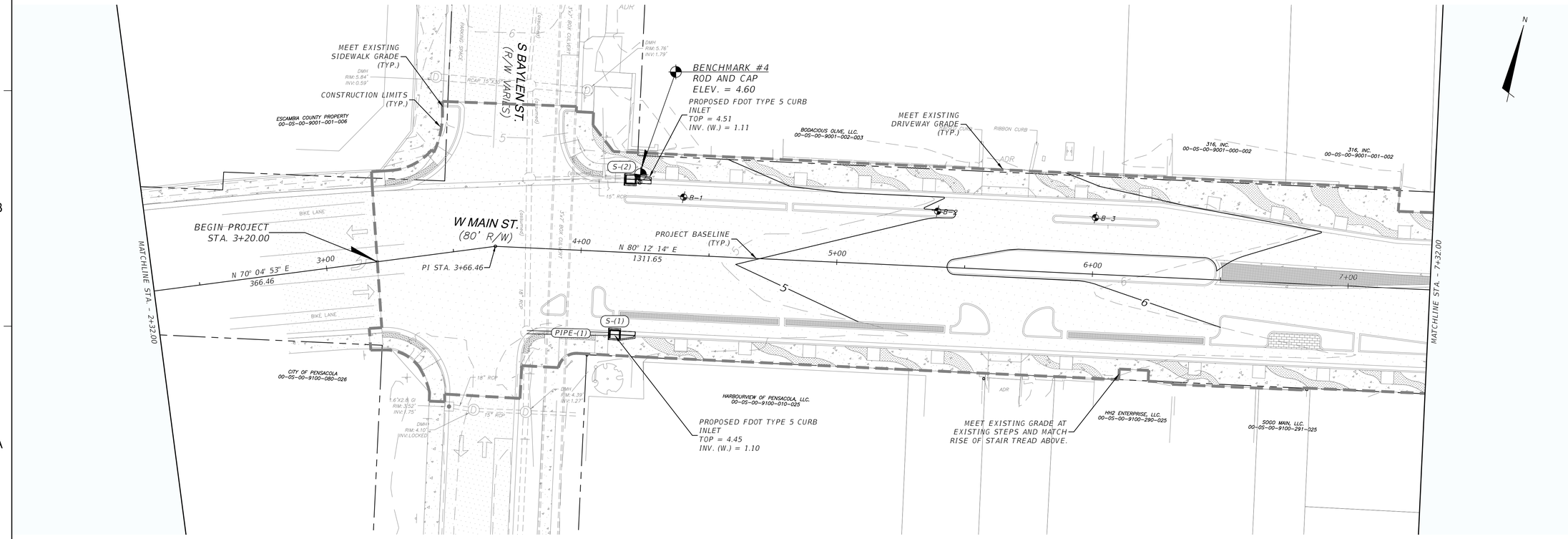
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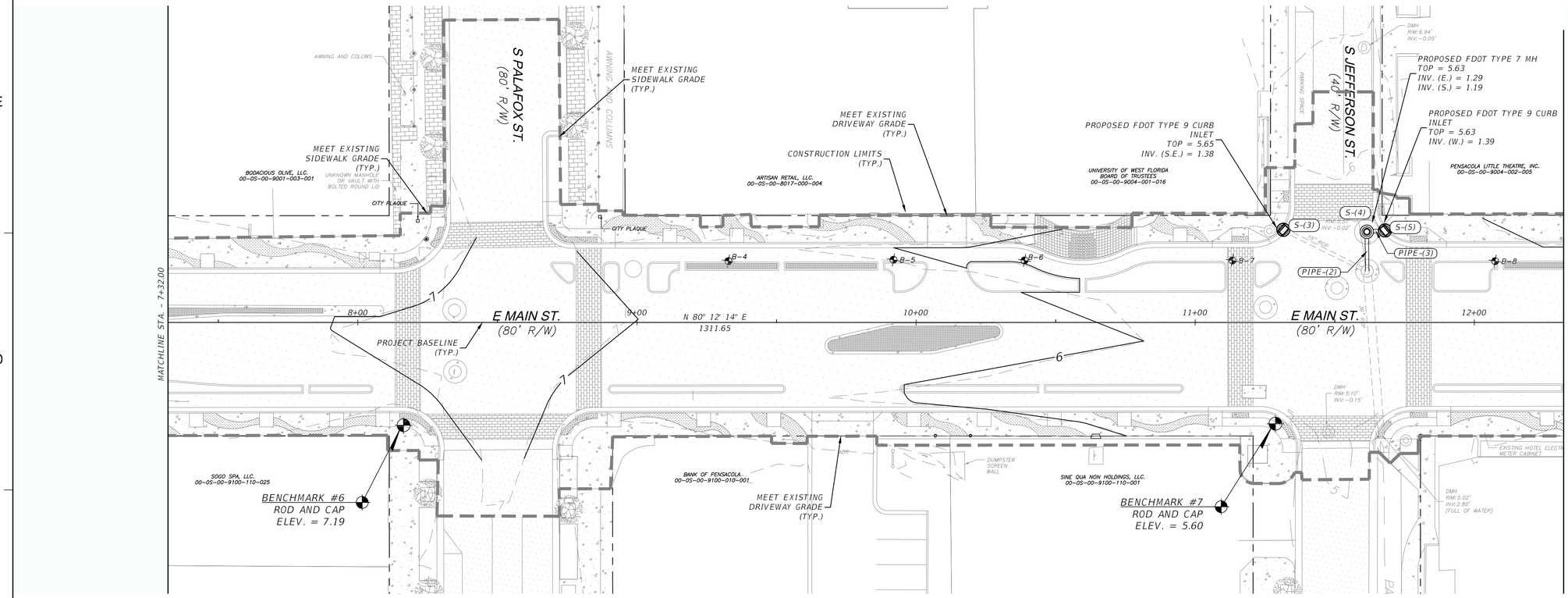
- LIMITS OF CONSTRUCTION
- EXISTING CONCRETE
- EXISTING ASPHALT
- PROPOSED SIDEWALK & CROSSWALK PAVERS
- PROPOSED MILL & OVERLAY ASPHALT PAVEMENT
- PROPOSED DETECTABLE WARNINGS
- PROPOSED CONCRETE
- PROPOSED SHELL STONE PAVERS
- PROPOSED COBBLESTONE

BENCHMARK #5
ROD AND CAP
ELEV. = 8.09



20' 0 20' 40'
SCALE: 1"=20' (Horiz.)

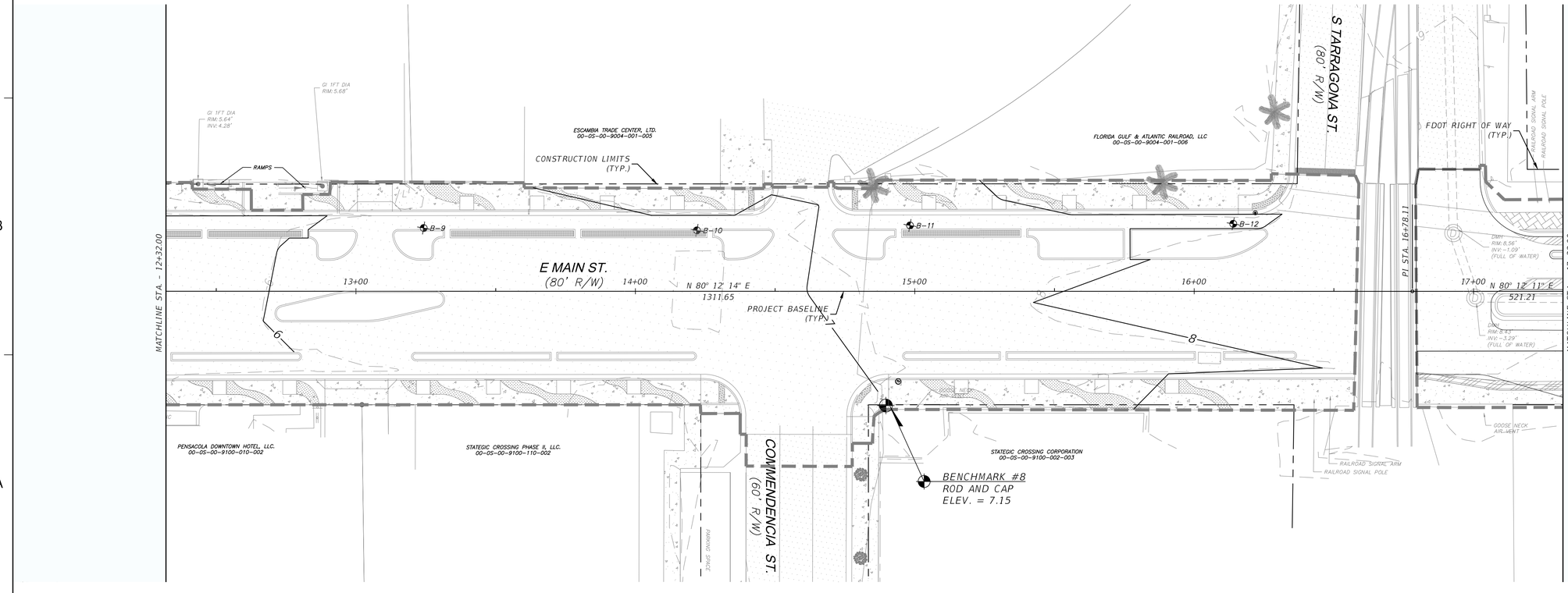

N
S BAYLEN ST.
(R/W VARIES)
W MAIN ST.
(80' R/W)
BEGIN PROJECT
STA. 3+20.00
PI STA. 3+66.46
N 70° 04' 53" E
366.46
N 80° 12' 14" E
1311.65
PROJECT BASELINE
(TYP.)
MATCHLINE STA. - 2+32.00
MATCHLINE STA. - 7+32.00
MEET EXISTING
SIDEWALK GRADE
(TYP.)
CONSTRUCTION LIMITS
(TYP.)
BENCHMARK #4
ROD AND CAP
ELEV. = 4.60
PROPOSED FDOT TYPE 5 CURB
INLET
TOP = 4.51
INV. (W.) = 1.11
PROPOSED FDOT TYPE 5 CURB
INLET
TOP = 4.45
INV. (W.) = 1.10
MEET EXISTING
DRIVEWAY GRADE
(TYP.)
MEET EXISTING GRADE AT
EXISTING STEPS AND MATCH
RISE OF STAIR TREAD ABOVE.
ESCAMBIA COUNTY PROPERTY
00-05-00-9001-001-006
CITY OF PENSACOLA
00-05-00-9100-080-026
BODACIOUS OLIVE, LLC.
00-05-00-9001-002-003
HARBOURVIEW OF PENSACOLA, LLC.
00-05-00-9100-010-025
316, INC.
00-05-00-9001-000-002
316, INC.
00-05-00-9001-001-002
HH2 ENTERPRISE, LLC.
00-05-00-9100-290-025
SOGO MAIN, LLC.
00-05-00-9100-291-025
S-(1)
S-(2)
PIPE-(1)
B-1
B-2
B-3
B-3
BIKE LANE
BIKE LANE
RIBBON CURB
ADR
ADR
AUH
DMH
RIM: 5.84'
INV: 0.59'
DMH
RIM: 5.76'
INV: 1.79'
DMH
RIM: 4.39'
INV: 1.27'
DMH
RIM: 4.10'
INV: LOCKED
1.6'X2.8' CI
RIM: 3.52'
INV: 1.75'
RCAP 15" RCP
15" RCP
18" RCP
18" RCP
15" RCP
3'X7' BOX CULVERT
3'X7' BOX CULVERT
(DESTROYED)
(DESTROYED)
(DESTROYED)



NOTE: SEE SHEET C4.0 FOR LEGEND

20' 0 20' 40'

SCALE: 1"=20' (Horiz.)



Dewberry

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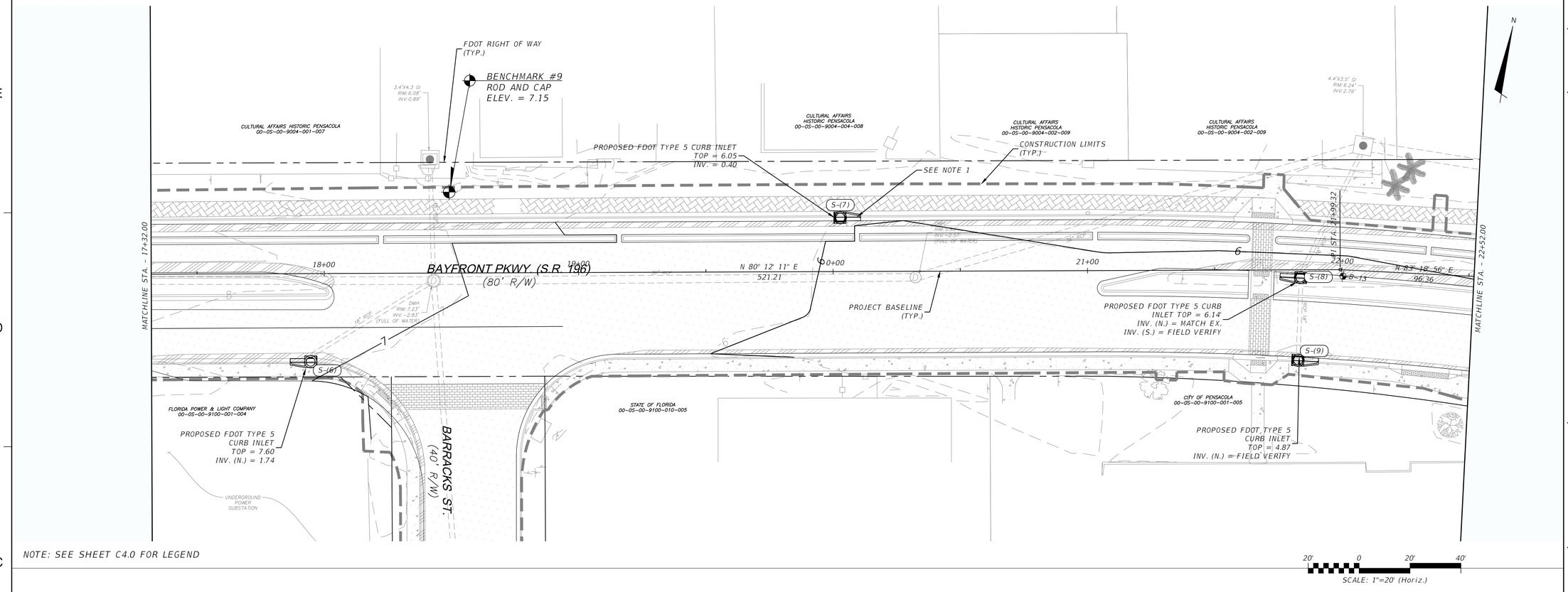
GRADING AND DRAINAGE PLAN

PROJECT NO. 50119780

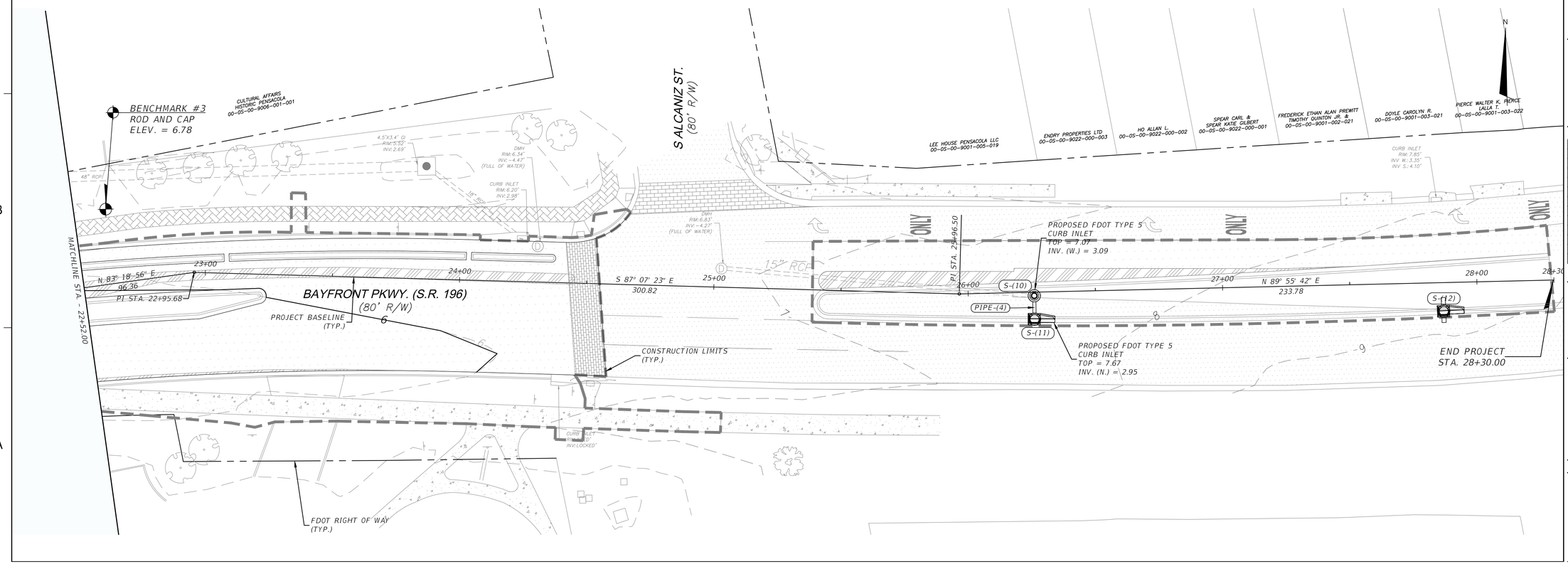
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12/6/2021 3:32:00 PM - O:\50119780 CITY OF PENSACOLA HASHTAG CONNECTOR PROJECT-PHASE ONE MAIN STREET\2 - DESIGN PHASE SERVICES\CAD\CIVIL\2 PLANS\GRADING AND DRAINAGE PLAN.DWG



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SIGNING & MARKING PLAN

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C8.0

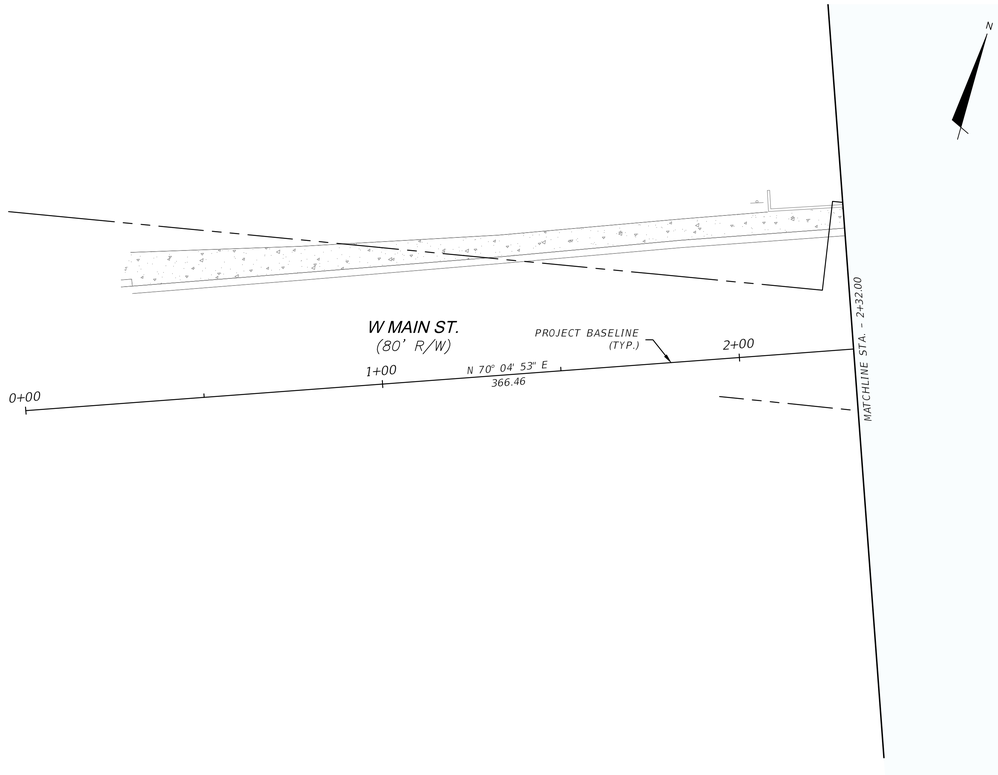
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BENCHMARK #5
ROD AND CAP
ELEV. = 8.09

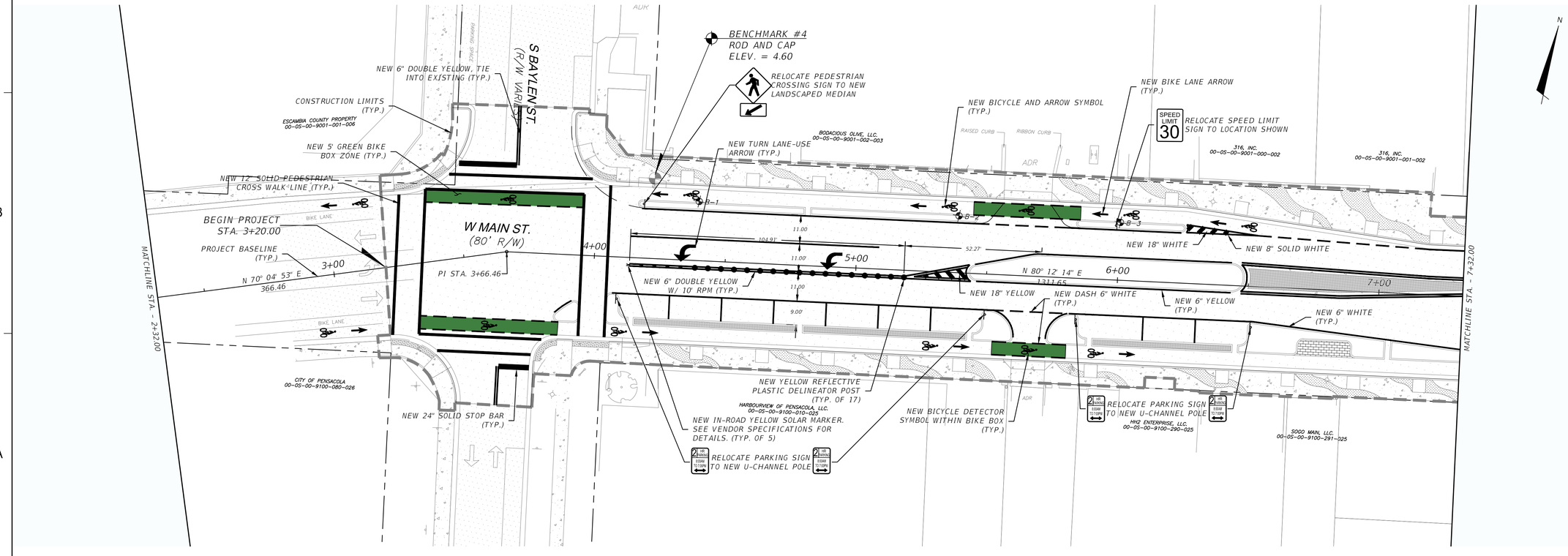
LEGEND

- LIMITS OF CONSTRUCTION
- EXISTING CONCRETE
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- PROPOSED LIGHT POLE
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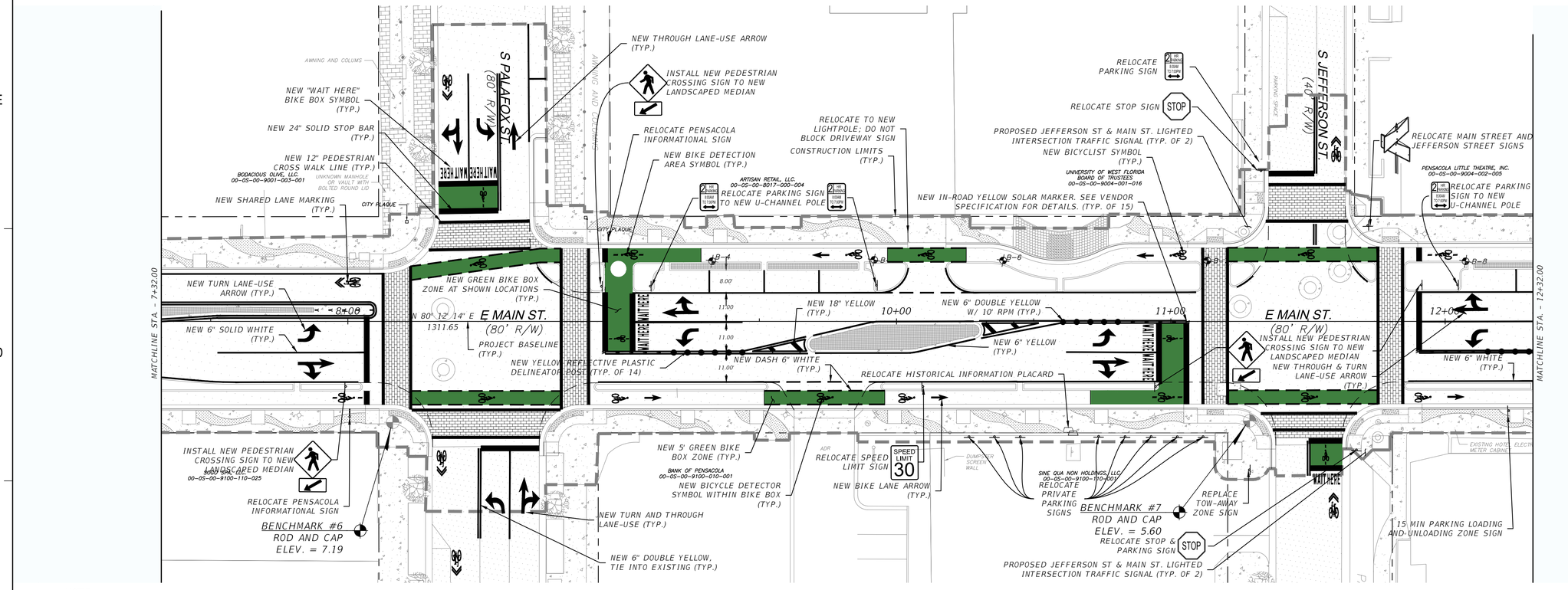
NOTE:
1. ALL NEW PAVEMENT MARKINGS SHALL BE THERMOPLASTIC MARKINGS AND MEET THE REQUIREMENTS DESCRIBED IN THE LATEST FDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION SECTION 711, THERMOPLASTIC PAVEMENT MARKINGS.

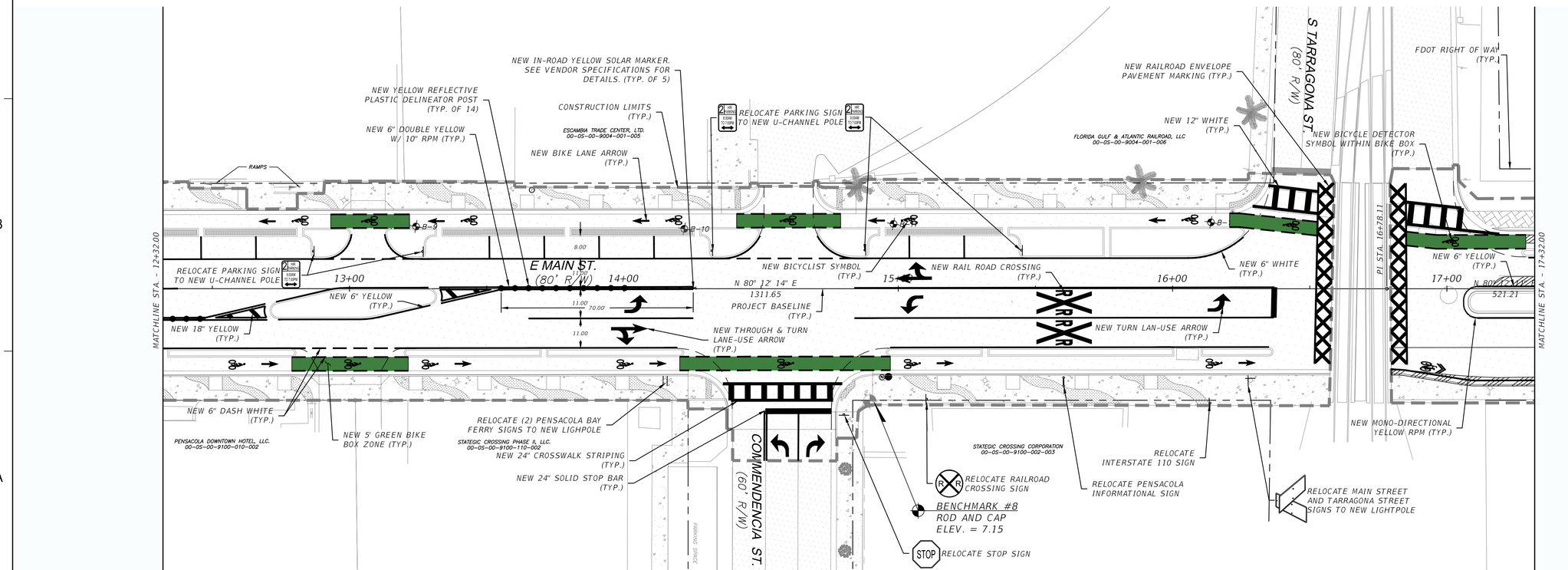


20' 0 20' 40'
SCALE: 1"=20' (Horiz.)



12/21/2021 9:19:15 AM - Q:\50119780 CITY OF PENSACOLA-HASHTAG CONNECTOR PROJECT-PHASE ONE MAIN STREET\2 - DESIGN PHASE SERVICES\CADD\CIVIL\2 PLANS\SIGNING & MARKING PLAN.DWG





NOTE:
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2. ALL SIGNS INSTALLED OR RELOCATED WITHIN STATE R/W ARE TO BE MOUNTED ON ROUND ALUMINUM POSTS.

Dewberry
139 E. GOVERNMENT STREET
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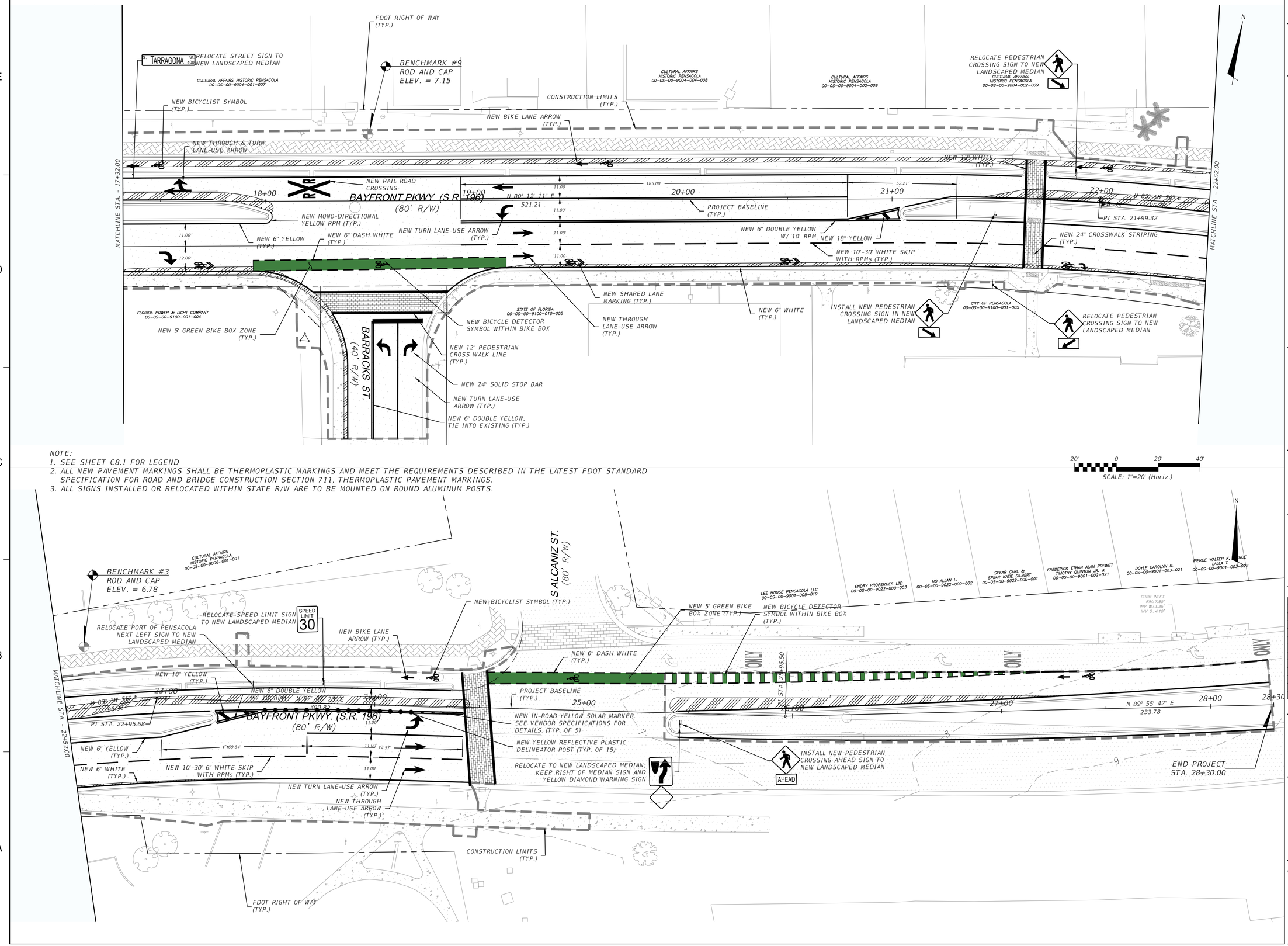
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SIGNING & MARKING PLAN

PROJECT NO. 50119780

C8.1

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NOTE:
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CHECKED BY	C. WILSON
DATE	MAY 2020

TITLE

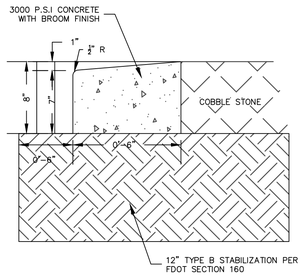
SIGNING & MARKING PLAN

PROJECT NO. 50119780

C8.2

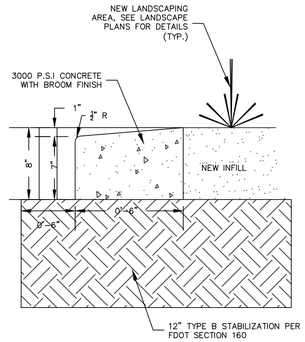
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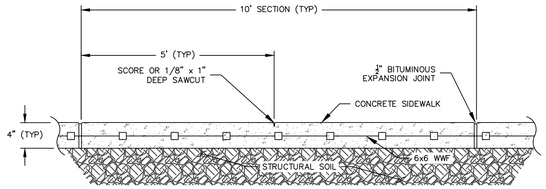
NOTES:
1. CURB MUST INCLUDE CONTROL JOINTS AT 10' O.C.

6" CONCRETE RIBBON CURB AT PARALLEL PARKING AREA
N.T.S

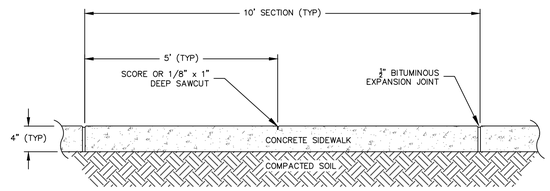


NOTES:
1. CURB MUST INCLUDE CONTROL JOINTS AT 10' O.C.

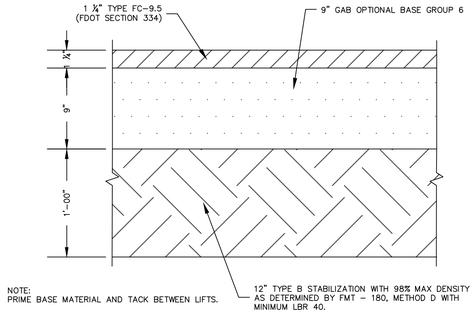
6" CONCRETE RIBBON CURB GREEN AREA
N.T.S



CONCRETE SIDEWALK SECTION OVER STRUCTURAL SOIL
N.T.S.

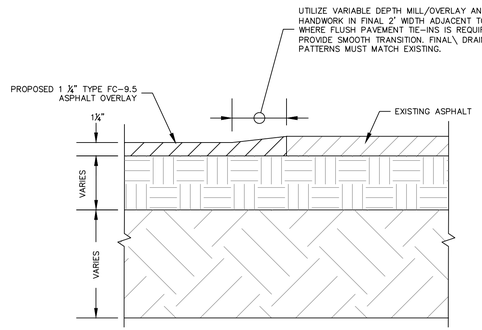


TYPICAL CONCRETE SIDEWALK SECTION
N.T.S.

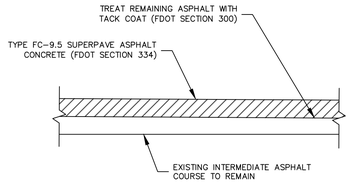


NOTE:
PRIME BASE MATERIAL AND TACK BETWEEN LIFTS.

FULL DEPTH ASPHALT PAVEMENT SECTION
N.T.S

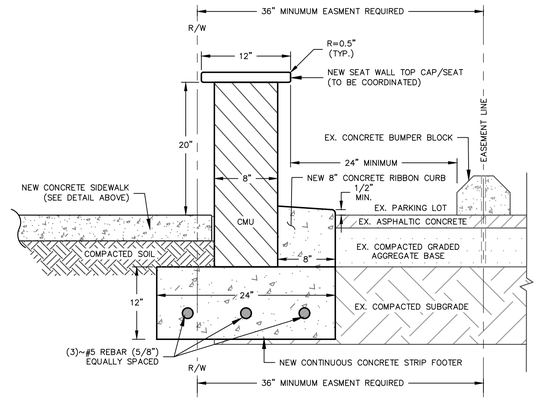


TYPICAL OVERLAY TIE TO EX. CONDITIONS
N.T.S

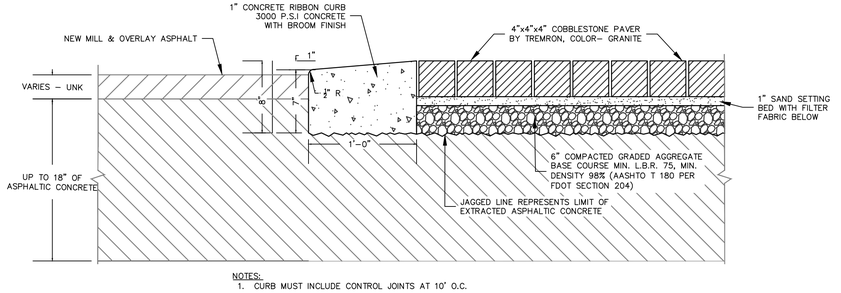


NOTES:
1. MILL 1¼" AND REPLACE WITH SINGLE LIFT OF 1¼" FC-9.5 SURFACE COURSE.
2. AFTER MILL IS COMPLETE AND PRIOR TO OVERLAY, CONTRACTOR MUST PREPARE THE MILLED SURFACE TO RECEIVE OVERLAY. PREPARATIONS MUST INCLUDE REMOVAL OF DIRT, WATER, DEBRIS, AND ANY VEGETATION GROWING THROUGH THE EXISTING PAVEMENT.

MILL AND OVERLAY SECTION
N.T.S

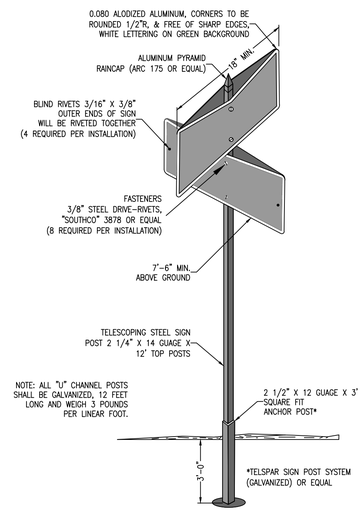


SEAT WALL DETAIL
N.T.S.



NOTES:
1. CURB MUST INCLUDE CONTROL JOINTS AT 10' O.C.

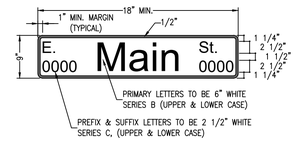
1' CONCRETE RIBBON CURB AND COBBLESTONE INLAY IN ROADWAY
N.T.S



STREET NAME SIGN LAYOUT
(USE 1/2" WHITE BORDER)

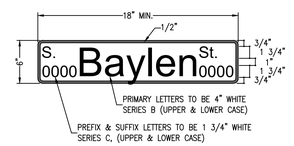
9" BLADES WITH 6" PRIMARY LETTERING
TO BE USED ON ALL COLLECTOR & ARTERIAL ROADWAYS.

F.D.O.T. TYPE III REFLECTIVE SHEETING TO BE USED ON 9" BLADES



6" BLADES WITH 4" PRIMARY LETTERING
TO BE USED ON LOCAL (RESIDENTIAL) ROADWAYS.

F.D.O.T. TYPE II REFLECTIVE SHEETING TO BE USED ON 6" BLADES



STREET SIGN DETAIL
N.T.S.

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139 E. GOVERNMENT STREET
PENSACOLA, FL 32502
(850) 760-0332

HASHTAG CONNECTOR PROJECT
PHASE ONE
MAIN STREET REVITALIZATION
CITY OF PENSACOLA, FLORIDA

SEAL

BID SET
NOT FOR CONSTRUCTION

SCALE

AS SHOWN

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY	G.P. EDWARDS
APPROVED BY	D. TILLAR
CHECKED BY	C. WILSON
DATE	MAY 2020

TITLE

CONSTRUCTION DETAILS

PROJECT NO. 50119780

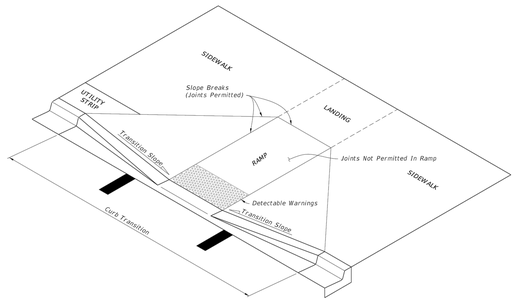
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SHEET NO.

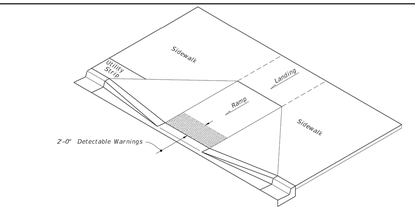
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GENERAL NOTES:

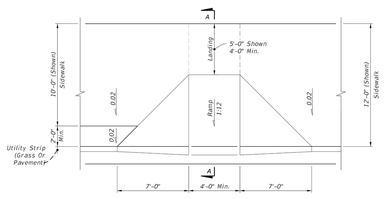
1. Cross Slopes and Grades:
   - A. Sidewalk, ramp, and landing slopes (i.e. 0.02, 0.05, and 1:12) shown in this Index are maximums. With approval of the Engineer, provide the minimum feasible slope where the requirements cannot be met.
   - B. Landings must have cross-slopes less than or equal to 0.02 in any direction.
   - C. Maintain a single longitudinal slope along each side of the curb ramp. Ramp slopes are not required to exceed 15 feet in length.
   - D. Joints permitted at the location of Slope Breaks. Otherwise locate joints in accordance with Index 522-001. No joints are permitted within the ramp portion of the Curb Ramp.
2. Curb, Curb and Gutter and/or Sidewalk:
   - A. Refer to Index 522-001 for concrete thickness and sidewalk details.
   - B. Remove any existing curb, curb and gutter, or sidewalk to the nearest joint beyond the curb transition or to the extent that no remaining section is less than 5 feet long.
   - C. Width of Curb Ramp is 4'-0" minimum. Match sidewalk or Shared Use Path width as shown in the Plans.
3. Curb Ramp Alpha-Identification:
   - A. Sidewalk curb ramp alpha-identifications (e.g. CR-A) are provided for reference purposes in the Plans.
   - B. Alpha-identifications CR-I and CR-J are intentionally omitted.
4. Detectable Warnings:
   - A. Install detectable warnings in accordance with Specification 527.
   - B. Place detectable warnings across the full width of the ramp or landing, to a minimum depth of 2 feet measured perpendicular to the curb line and no greater than 5 feet from the back of the curb or edge of pavement.
   - C. If detectable warnings are shown in the Plans on slopes greater than 5%, align the truncated domes with the centerline of the ramp; otherwise, the truncated domes are not required to be aligned.



CURB RAMP NOMENCLATURE



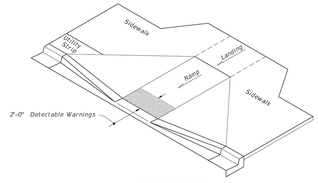
ISOMETRIC VIEW



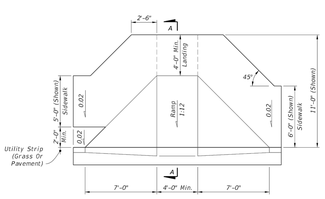
PLAN VIEW

NOTE: For Example of CR-A used in Radial Curb Returns, See Sheet 8.

CR-A

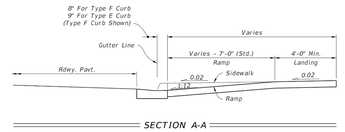


ISOMETRIC VIEW



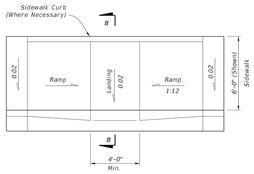
PLAN VIEW

CR-B



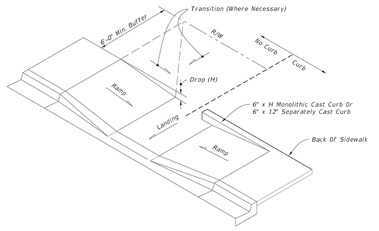
SECTION A-A

SIDEWALK CURB RAMPS CR-A AND CR-B

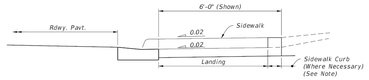


PLAN VIEW

CR-C

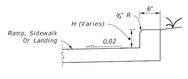


CONSTRUCTION OF SIDEWALK CURB IN CUT SECTIONS

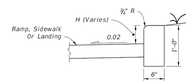


NOTE: For additional information on sidewalk curb construction, see SIDEWALK CURB OPTIONS details.

SECTION B-B



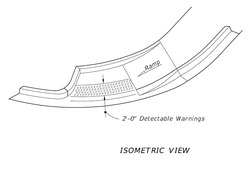
MONOLITHIC CAST CURB



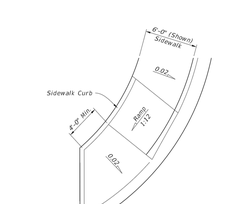
SEPARATELY CAST CURB

SIDEWALK CURB OPTIONS

SIDEWALK CURB RAMPS CR-C AND SIDEWALK CURB

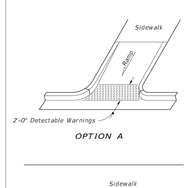


ISOMETRIC VIEW

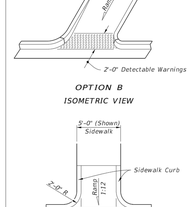


PLAN VIEW

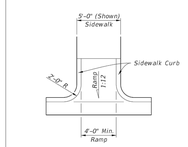
CR-D



OPTION A

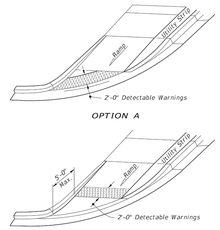


OPTION B
ISOMETRIC VIEW

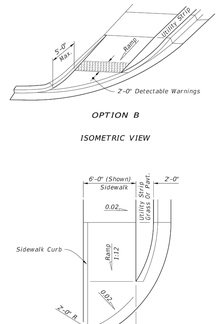


PLAN VIEW

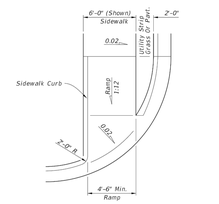
CR-E



OPTION A

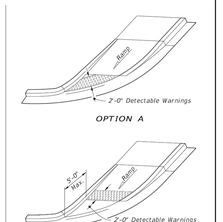


OPTION B
ISOMETRIC VIEW

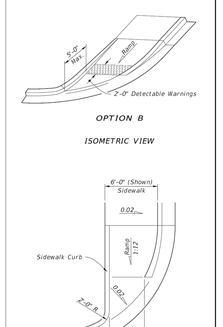


PLAN VIEW

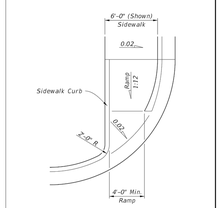
CR-F



OPTION A



OPTION B
ISOMETRIC VIEW



PLAN VIEW

CR-G

SIDEWALK CURB RAMPS CR-D, CR-E, CR-F & CR-G

Dewberry
139 E. GOVERNMENT STREET
PENSACOLA, FL 32502
(850) 760-0332

HASHTAG CONNECTOR PROJECT
PHASE ONE
MAIN STREET REVITALIZATION
CITY OF PENSACOLA, FLORIDA

SEAL

BID SET
NOT FOR CONSTRUCTION

SCALE

AS SHOWN

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY	G.P. EDWARDS
APPROVED BY	D. TILLAR
CHECKED BY	C. WILSON
DATE	MAY 2020

TITLE

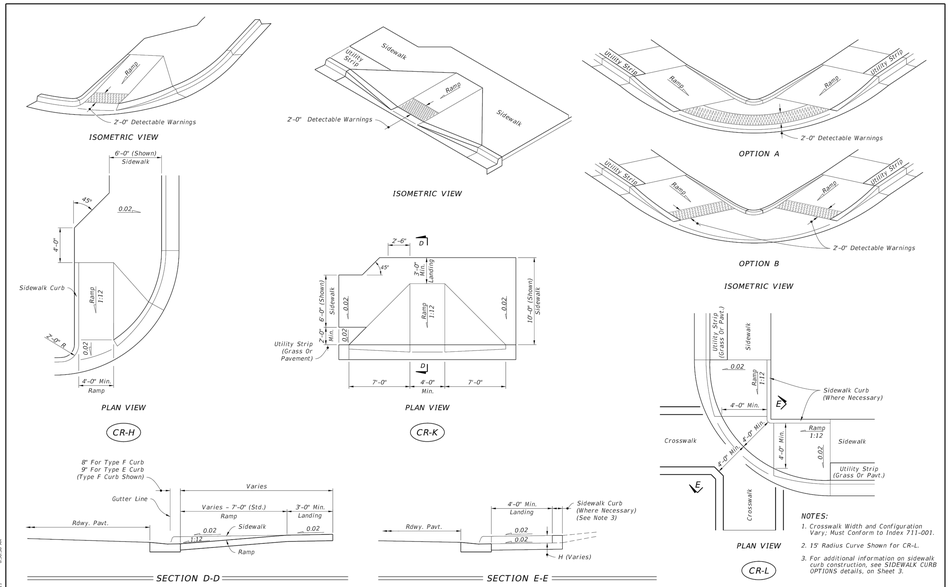
CONSTRUCTION FDOT DETAILS

PROJECT NO. 50119780

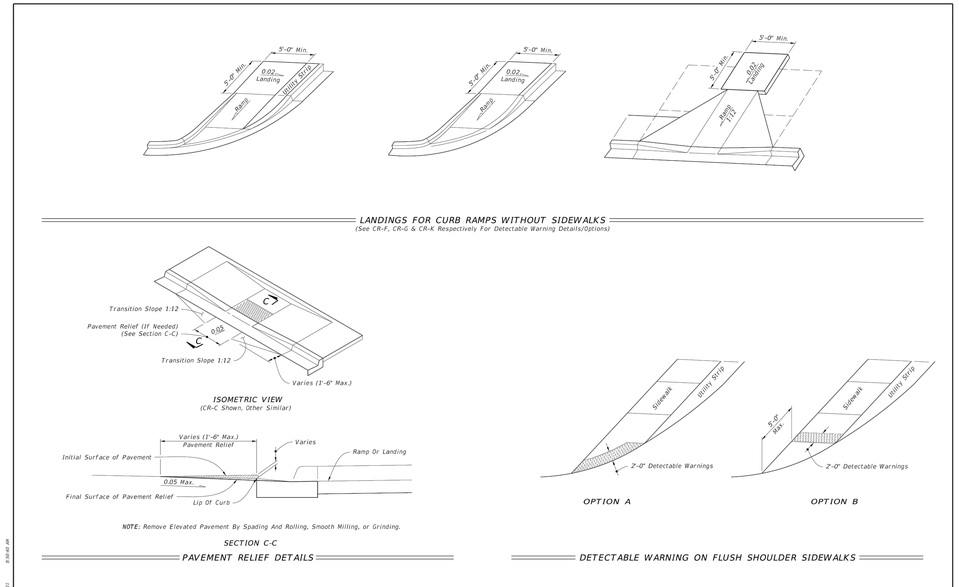
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SHEET NO.

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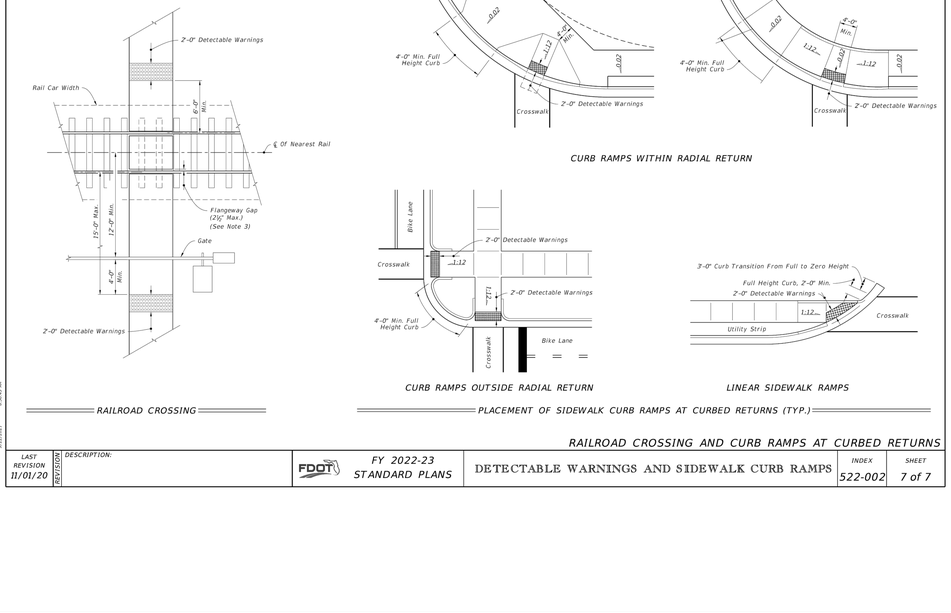
LAST REVISION 11/01/20	REVISION DESCRIPTION:	FDOT FY 2022-23 STANDARD PLANS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS	INDEX 522-002	SHEET 5 of 7



LAST REVISION 11/01/20	REVISION DESCRIPTION:	FDOT FY 2022-23 STANDARD PLANS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS	INDEX 522-002	SHEET 6 of 7

NOTES:

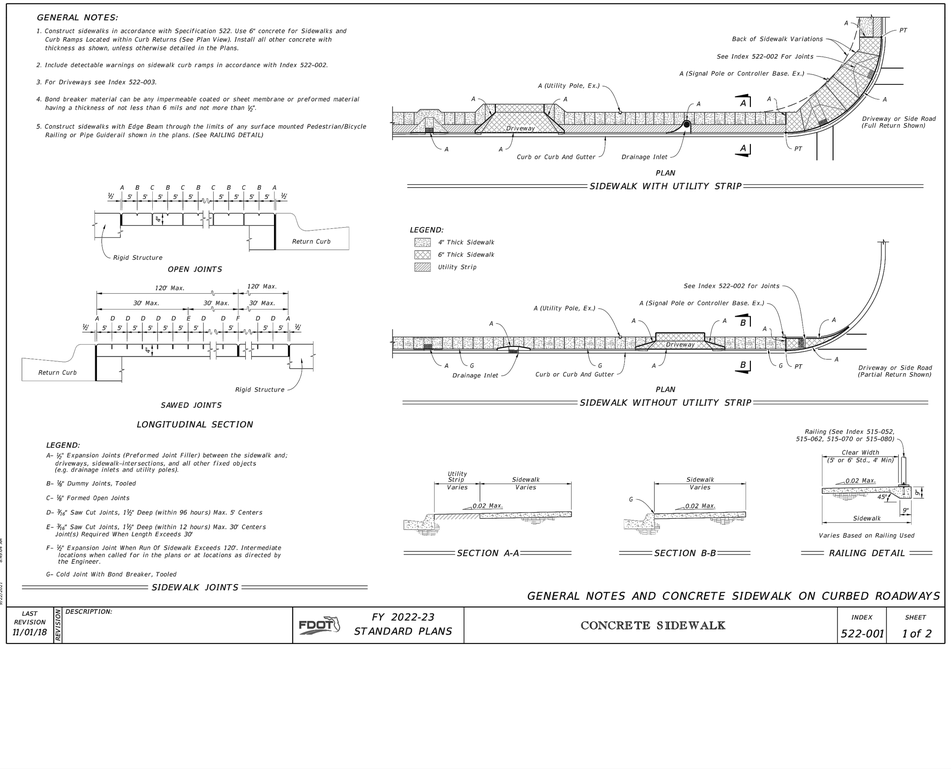
1. Where crosswalk markings are used, ramps must fall within the crosswalk limits. A clear space of 48" minimum is required at the bottom of the ramp within a marked crosswalk. If crosswalk markings are not present, a clear space of 48" minimum is required at the bottom of the ramp outside of active travel lanes.
2. Crosswalk widths and configurations vary; must conform to Index 711-001.
3. Flangeway Gap may be up to 3" for Freight-only Railways.



LAST REVISION 11/01/20	REVISION DESCRIPTION:	FDOT FY 2022-23 STANDARD PLANS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS	INDEX 522-002	SHEET 7 of 7

GENERAL NOTES:

1. Construct sidewalks in accordance with Specification 522. Use 6" concrete for Sidewalks and Curb Ramps Located within Curb Returns (See Plan View). Install all other concrete with thickness as shown, unless otherwise detailed in the Plans.
2. Include detectable warnings on sidewalk curb ramps in accordance with Index 522-002.
3. For Driveways see Index 522-003.
4. Bond breaker material can be any impermeable coated or sheet membrane or preformed material having a thickness of not less than 6 mils and not more than ½".
5. Construct sidewalks with Edge Beam through the limits of any surface mounted Pedestrian/Bicycle Railing or Pipe Guiderail shown in the plans. (See RAILING DETAIL)



LAST REVISION 11/01/18	REVISION DESCRIPTION:	FDOT FY 2022-23 STANDARD PLANS	CONCRETE SIDEWALK	INDEX 522-001	SHEET 1 of 2

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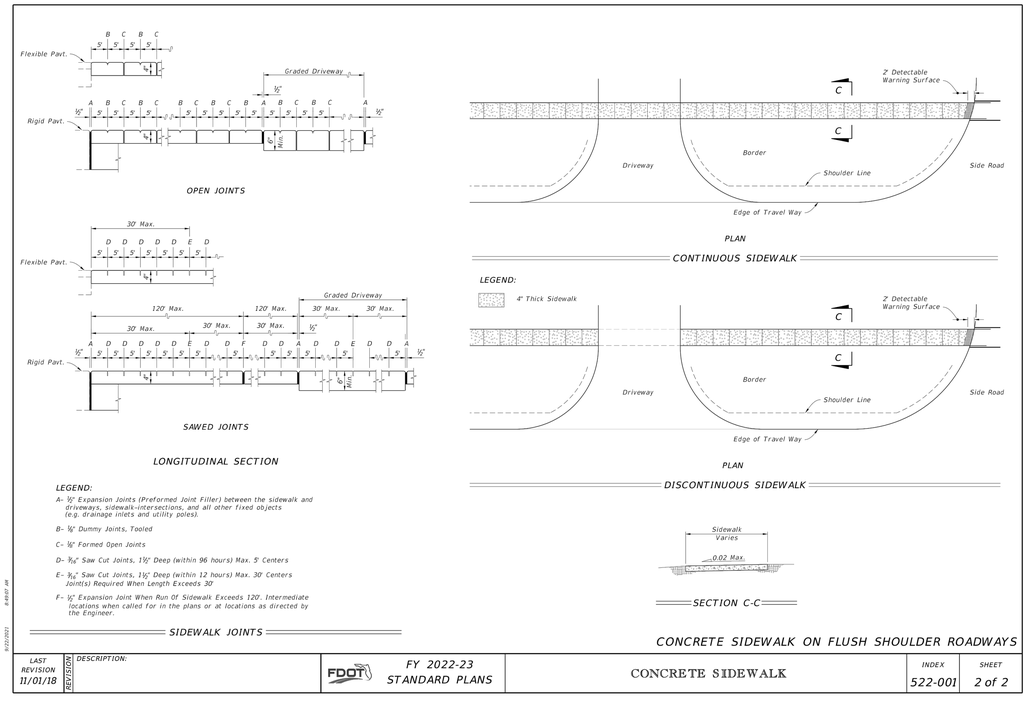
CONSTRUCTION FDOT DETAILS

PROJECT NO. 50119780

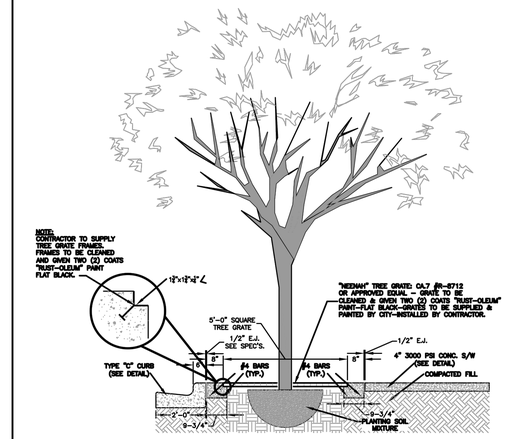
C9.2

SHEET NO.

11/29/2021 4:50:09 PM - Q:\50119780 CITY OF PENSACOLA HASHTAG CONNECTOR PROJECT-PHASE ONE MAIN STREET\2 - DESIGN PHASE SERVICES\CAD\CIVIL\2 PLANS\DET-FAILS.DWG



LAST REVISION	DESCRIPTION:	FDOT	FY 2022-23 STANDARD PLANS	CONCRETE SIDEWALK	INDEX	SHEET
11/01/18					522-001	2 of 2



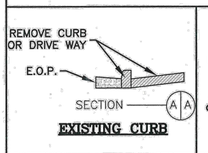
TREE GRATE DETAIL
SCALE: N.T.S.

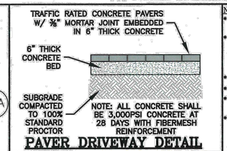
CITY OF PENSACOLA, FLORIDA DEPARTMENT OF PUBLIC WORKS AND FACILITIES ENGINEERING AND CONSTRUCTION SERVICES DIVISION 222 W. MAIN STREET, PENSACOLA, FL 32502-5052 CITY HALL (850)435-1645 PENSACOLA FLORIDA'S FIRST & FUTURE	TREE GRATE
	Not to Scale
	REV: 6-21

TYPE "C" (LAYBACK) CURB DRIVEWAY DETAIL

DRIVEWAY SHALL BE INSTALLED IN SUCH A MANNER AS TO NEITHER CREATE A STANDING WATER ISSUE, CREATE AN EROSION ISSUE, NOR DIRECT STORMWATER ONTO PRIVATE PROPERTY. INSTALLATION OF DRIVEWAY SHALL ALLOW FOR STORMWATER TO FLOW ALONG SAME COURSE AS PRE-CONSTRUCTION CONDITIONS.

FOR FURTHER INFORMATION, CONTACT THE BUILDING INSPECTION DEPARTMENT 436-5600.



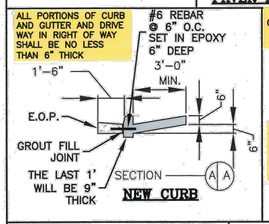


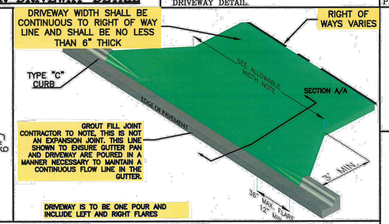
NOTES:
- 3000 PSI CONCRETE AT 28 DAYS WITH 1LB. FIBER REINFORCEMENT PER CU. YD.
- EDGE OF PAVEMENT SHALL BE SAWCUT AS NECESSARY TO PREVENT FAILURE/CRUMBLING AND TO PROVIDE SMOOTH EDGE/TRANSITION BETWEEN EXISTING AND CONCRETE.
- EXPANSION JOINTS AS REQUIRED.
- EDGED WITH ¼" RADIUS AND BROOM FINISH.
- SIDEWALK SHALL BE 6" THICK IN DRIVE WAY AREA.
- IF THE OWNER ELECTS TO INSTALL A PAVER DRIVEWAY, THE INSTALLATION OF THE PAVERS SHALL BE IN ACCORDANCE WITH THE PAVER DRIVEWAY DETAIL.

INSPECTION
DRIVEWAY/CURB & GUTTER/OTHER WORK

PRELIMINARY INSPECTION
COMPACTION AND FORM WORK IS INSPECTED BY THE ENGINEERING AND CONSTRUCTION SERVICES (24 HOURS BEFORE POURING).
IF MODIFYING EXISTING CURB CUT & DRIVEWAY SECTION DOES NOT MEET STANDARDS THEN DRIVEWAY SECTION MUST BE REMOVED AND REPLACED TO MEET CITY STANDARDS.

FINAL INSPECTION
FINAL INSPECTION IS CONDUCTED AFTER THE DRIVEWAY/CURB & GUTTER, OR OTHER WORK HAS BEEN COMPLETED (AFTER POURING).
PLEASE CALL 436-5600 BETWEEN 7:30 A.M. – 4:30 P.M. TO SCHEDULE THE PRELIMINARY AND FINAL INSPECTIONS.



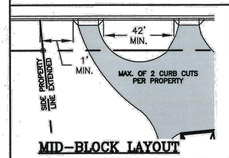


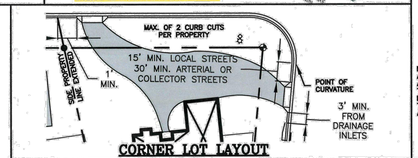
ALLOWABLE WIDTH "CRA AREA"

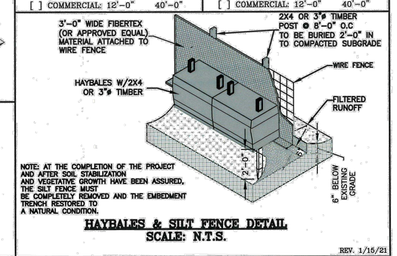
	MIN:	MAX:
[ ] RESIDENTIAL: 10'-0" (SINGLE DRIVEWAY)	10'-0"	20'-0"
[ ] RESIDENTIAL: 10'-0" (JOINT-USE DRIVEWAY)	10'-0"	22'-0"
[ ] RESIDENTIAL: 12'-0" (MULTI-FAMILY)	24'-0"	40'-0"
[ ] COMMERCIAL: 12'-0"	40'-0"	

ALLOWABLE WIDTH

	MIN:	MAX:
[ ] RESIDENTIAL: 12'-0" (SINGLE DRIVEWAY)	12'-0"	24'-0"
[ ] RESIDENTIAL: 20'-0" (JOINT-USE DRIVEWAY)	20'-0"	24'-0"
[ ] RESIDENTIAL: 24'-0" (MULTI-FAMILY)	24'-0"	40'-0"
[ ] COMMERCIAL: 12'-0"	40'-0"	

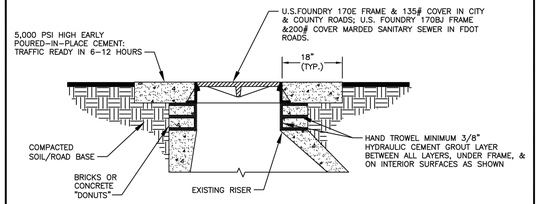






REV. 1/15/21

CITY OF PENSACOLA, FLORIDA
DEPARTMENT OF PUBLIC WORKS AND FACILITIES
ENGINEERING AND CONSTRUCTION SERVICES DIVISION
FLORIDA'S FIRST & FUTURE



MANHOLE (MH) ADJUSTMENT PROCEDURES:

Pre-milling coordination: Contractor shall contact ECUA's Manhole Coordinator, Mr. Eddie Carter, at 476-5110 (x5824) or 698-9272, at least 2 weeks prior to milling operations to coordinate location of MHs requiring adjustment (visible MHs and those under asphalt). ECUA will then make decision to either allow adjustment of existing frames and covers or to supply new frames and covers to contractor (at ECUA expense).

Pre-milling procedures: Contractor shall make a list of all MH locations (station and offset or GPS coordinates to sub-meter accuracy), and submit list to Mr. Carter. Contractor can then remove frame and cover and if required brick/risers and install minimum 1/2" thick steel plate (or thicker if needed) over MH at a depth to avoid milling operations. Contractor shall paint solid green circle, two feet in diameter, directly over plated manholes onto milled asphalt surfaces and leveling course surfaces and shall maintain painted mark for the duration of the project. Due to ECUA emergency access needs, MHs shall not be plated more than 1 month, with 2 weeks or less being preferred.

Post-resurfacing procedures: Contractor shall determine location of MHs using list created in pre-milling stage and shall remove circular area of asphalt approximately 5' in diameter (equal to typical 2' ring diameter and 18" wide concrete collar), centered over MH. Remove plate. For changes in grade of 2" or less, place minimum 3/8" layer, maximum 2" layer, of hydraulic cement grout over top of existing brick/concrete donut/riser. For changes in grade more than 2", add bricks (clay for City and County, concrete for FDOT) or concrete donuts, with 3/8" layer of hydraulic cement grout in between each layer of bricks/donuts. Coat all inside surfaces with 3/8" thick layer of hydraulic cement grout. Maximum height of vertical adjustment (including existing and new brick/donut) shall be 12" as measured from bottom of frame to top of riser; adjustments more than 12" shall require installation of concrete riser sections. Frame shall be set so that elevation and slope of lid matches finished road surface. Pour 5000 psi concrete around frame to form 18" wide concrete collar that matches elevation and slope of finished road surface.

Post-resurfacing coordination: Roadway inspector shall confirm all MHs have been adjusted and done so according to this detail. Contractor shall then contact Mr. Carter for ECUA's final inspection. MHs not meeting this detail, or with construction debris in bottom of MH, or not matching roadway elevation and slope, will be corrected as required prior to payment. Contractor shall provide 2 years warranty (1 year if performed on FDOT project) beginning on ECUA's date of acceptance.

EMERALD COAST UTILITIES AUTHORITY	SCALE: N.T.S. DATE: 9/01/2016	MANHOLE ADJUSTMENT	DETAIL D-19

Dewberry
139 E. GOVERNMENT STREET
PENSACOLA, FL 32502
(850) 760-0332

HASHTAG CONNECTOR PROJECT
PHASE ONE
MAIN STREET REVITALIZATION
CITY OF PENSACOLA, FLORIDA

SEAL

BID SET
NOT FOR CONSTRUCTION

SCALE
AS SHOWN

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY	G.P. EDWARDS
APPROVED BY	D. TILLAR
CHECKED BY	C. WILSON
DATE	MAY 2020

TITLE

CONSTRUCTION ECUA, FDOT & CITY DETAILS

PROJECT NO. 50119780

C9.3

SHEET NO.

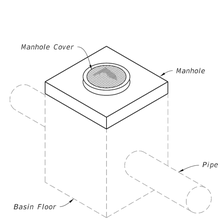
11/29/2021 4:50:09 PM - Q:\50119780 CITY OF PENSACOLA HASHTAG CONNECTOR PROJECT-PHASE ONE MAIN STREET\2 - DESIGN PHASE SERVICES\CAD\CIVIL\2 PLANS\DETAILS.DWG

GENERAL NOTES:

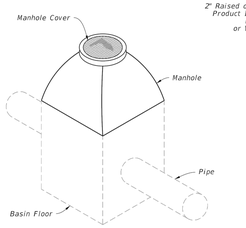
1. Use a 1-piece cover, unless the 2-piece cover is called for in the Plans, except at inlets and manholes with sump bottoms. Use the 2-piece cover when the sump depth exceeds 2', unless otherwise noted.
2. Include "Adjustable" on the cover for Type I manhole adjustable frames.
3. For square or rectangular precast drainage structures, use either deformed or smooth WWR meeting the requirements of Specification 931. WWR must be continuous around the box and lapped in accordance with Option 1 or 3 as shown in the Wall Reinforcing Splice Details.
4. Lap splice horizontal steel in the walls of rectangular structures in accordance with Option 1, 2 or 3 as shown in the Wall Reinforcing Splice Details.
5. Welding of splices and laps is permitted. Use AASHTO M259 requirements and restrictions on welds.
6. Rebar straight end embedment of peripheral reinforcement may be used in lieu of ACI standard hooks for top and bottom slabs, except when hooks are specifically called for in the Plans.
7. Precast opening for pipe must be the pipe OD plus 6" (± 2" tolerance). Use mortar to seal the pipe into the opening of such a mix that shrinkage will not cause leakage into or out of the structure. Dry-pack mortar may be used to seal openings less than 2½" wide.

TABLE OF CONTENTS:

Sheet	Description
1	General Notes, Contents, Manhole Top Overview, and Manhole Covers
2	Manhole Frames and Manhole Tops
3	Inlet Locking Grates, Subgrade and Base Temporary Drains, and Pipe to Structure Filter Fabric Wrap
4	Drainage Structure Invert, Sump Bottom, Wall Reinforcing Splice Details, and Typical Slab to Wall Details
5	Precast Option and Equivalent Reinforcement substitution
6	Construction Joints and Minimum Box Riser Segment Dimensions
7	Skewed Pipe in Rectangular Structures
8	Miscellaneous Pipe Connection Details

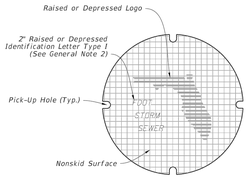


TYPE 7

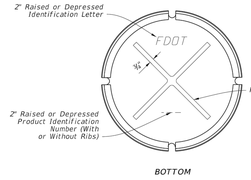


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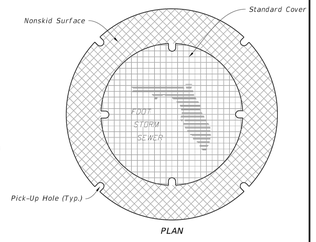
MANHOLE TOPS



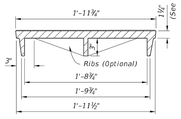
PLAN



BOTTOM

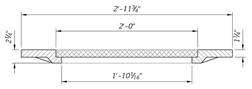


PLAN



ELEVATION

1-PIECE COVER



ELEVATION

2-PIECE COVER

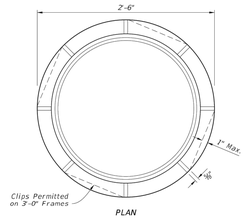
MANHOLE COVERS

LAST REVISION	DESCRIPTION:	FDOT FY 2022-23 STANDARD PLANS	SUPPLEMENTARY DETAILS FOR DRAINAGE STRUCTURES	INDEX	SHEET
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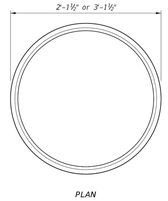
TABLE 1
WEIGHT OF CASTINGS (lb)

Frame Type	2'-0" OPENING Frame	2'-0" OPENING Cover (Std.)	3'-0" OPENING Frame	3'-0" OPENING 2-Piece Cover Inside	3'-0" OPENING 2-Piece Cover Outside	3'-0" OPENING 2-Piece Cover Total
I	155	190	220	190	220	410
II	145	190	255	190	220	410
III	90	190	180	190	220	410

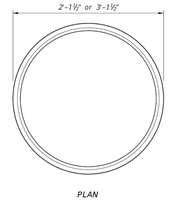
NOTE:
Frame Type I in Table 1, includes Adjustable frames.



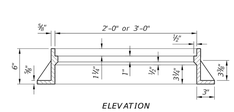
PLAN



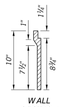
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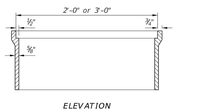
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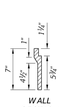
ELEVATION
TYPE I
(For Manholes)



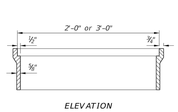
WALL SECTION



ELEVATION
TYPE II
(For Curb Inlets Types 1, 2, 3, & 4)

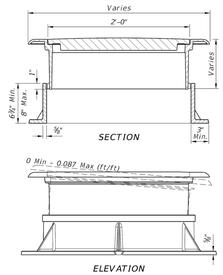


WALL SECTION



ELEVATION
TYPE III
(For Curb Inlets Types 7 & 8)

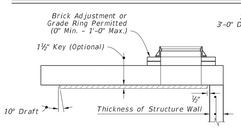
MANHOLE FRAMES



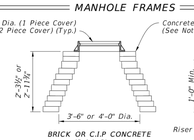
SECTION

ELEVATION

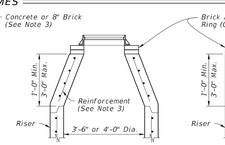
TYPE I ADJUSTABLE FRAME



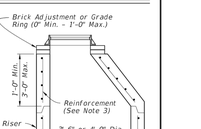
TYPE 7



BRICK OR C.I.P CONCRETE
(Brick Shown)



PRECAST CONCENTRIC CONE



PRECAST ECCENTRIC CONE

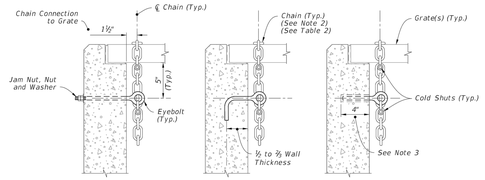
TYPE 7 — TYPE 8

NOTES:
1. Use Class II concrete for Manhole top Type 7 slabs.
2. Manhole top Type 7 slabs may be of cast-in-place or precast construction. The optional key is for precast tops and in lieu of dowels. Omit frame and slab openings when top is used over a junction box.
3. Manhole top Type 8 may be of cast-in-place, precast concrete construction, or brick construction. For concrete construction, use the same concrete and steel reinforcement as the supporting wall unit. An eccentric cone may be used.
4. Use construction joint options, as shown on Sheet 6 to secure manhole tops to structures.
5. Frames may be adjusted to a maximum 12" height with brick or precast ASTM C478 grade rings.
6. Manhole top Type 8 may be substituted for a Type 7, if the minimum dimensions are not reduced.
7. Manhole top Type 7 may be substituted for Type 8, if the minimum thickness (h) above pipe opening cannot be maintained with Type 8.

MANHOLE TOPS

MANHOLE FRAMES AND MANHOLE TOPS

LAST REVISION	DESCRIPTION:	FDOT FY 2022-23 STANDARD PLANS	SUPPLEMENTARY DETAILS FOR DRAINAGE STRUCTURES	INDEX	SHEET
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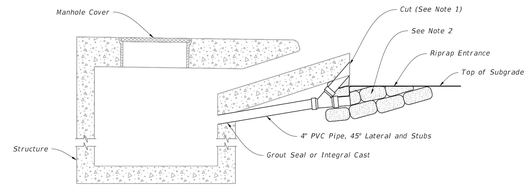
THRU-BOLT — J-TYPE — ADHESIVE BONDED ANCHOR

NOTES:
1. Install either a ½" Ø x 1" Diameter Threaded Straight (Thru-Bolt), a J-Type, or an adhesive Bonded Anchor Eyebolt.
2. Install a ⅜" Chain and ⅜" Cold Shuts. When chaining two grates together provide adequate loop for easy handling.
3. Install adhesive bonded anchor option with a minimum of 4" embedment, and in accordance with Specification 416.

TABLE 2
EYEBOLT AND CHAIN REQUIREMENTS

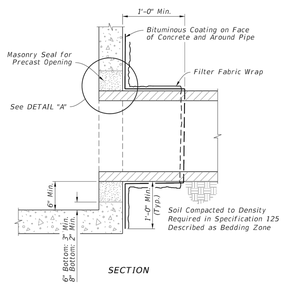
Index Number	Inlet Type	Eye-Bolts	Length of Chain	Handling & Remarks
425-030	1	1	4'-0"	Slide & Spin
	2	2	2 @ 4'-0"	Slide & Spin
425-031	N/A	1	3'-8"	Slide or Slide & Spin
425-032	N/A	1	4'-0"	Slide & Spin
425-040	S	1	4'-0"	Slide & Spin
425-041	V	1	4'-0"	Slide & Spin
425-050	A	1	3'-0"	Slide
425-051	B	1	5'-0"	Slide & Spin
425-052	C	1	2'-6"	Slide & Spin
	D	1	2'-6"	Slide & Spin
	E	2	2 @ 2'-6"	Slide & Spin
	H	2	2 @ 2'-6"	Flip Ctr. Grate and Slide & Spin Single Free Grate
			1 or 2 @ 1'-6"	Center Grate(s) Chained to One End Grate
425-053	F	1	3'-6"	Flip or Slide & Spin
	G	1	6'-0"	Slide
			2'-0"	Lifting Loop
425-054	J	1	4'-0"	Slide & Spin

LOCKING GRATES TO INLETS

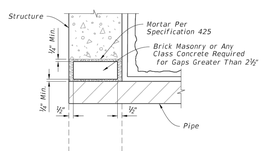


NOTES:
1. Bevel cut upper stub to match forming for apron face. Capping or plugging of upper stub is not required. Remove friable base material at stub opening to permit covering of opening with structural course material.
2. Remove riprap, cement PVC cap on lower stub, and place compacted fill in entrance prior to placing base material.

SUBGRADE AND BASE TEMPORARY DRAINS



SECTION

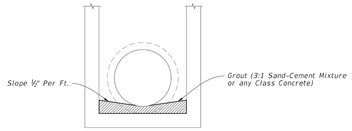


DETAIL "A"

PIPE TO STRUCTURE FILTER FABRIC WRAP

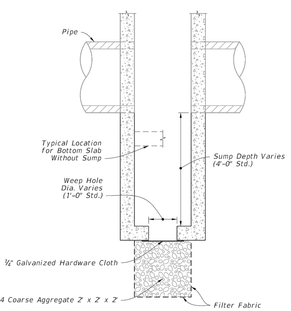
LOCKING GRATES, SUBGRADE AND BASE TEMPORARY DRAINS, AND PIPE TO STRUCTURE FILTER FABRIC WRAP

LAST REVISION	DESCRIPTION:	FDOT FY 2022-23 STANDARD PLANS	SUPPLEMENTARY DETAILS FOR DRAINAGE STRUCTURES	INDEX	SHEET
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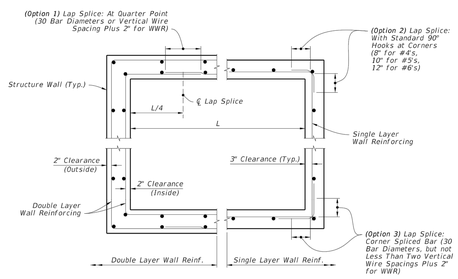
NOTE: For all structures unless excluded by special detail.

DRAINAGE STRUCTURE INVERT



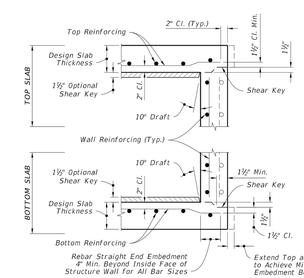
NOTES:
1. Construct sumps in inlets and manholes connecting to French Drains unless excluded in the Plans.
2. Construct sumps only where called for in the Plans at all other locations.
3. Construct weep holes in sump bottom only where called for in the Plans.

SUMP BOTTOM



HALF PLAN — HALF PLAN

WALL REINFORCING SPLICE DETAILS



NOTES:
1. See Sheet 6 for optional construction joints.
2. Bend bars as required to maintain cover.

TYPICAL SLAB TO WALL DETAILS
(PRECAST STRUCTURE SHOWN)

DRAINAGE STRUCTURE INVERT, SUMP BOTTOM, WALL REINFORCING SPLICE DETAILS, AND TYPICAL SLAB TO WALL DETAILS

LAST REVISION	DESCRIPTION:	FDOT FY 2022-23 STANDARD PLANS	SUPPLEMENTARY DETAILS FOR DRAINAGE STRUCTURES	INDEX	SHEET
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Dewberry

139 E. GOVERNMENT STREET
PENSACOLA, FL 32502
(850) 760-0332

HASHTAG CONNECTOR PROJECT
PHASE ONE
MAIN STREET REVITALIZATION
CITY OF PENSACOLA, FLORIDA

SEAL

BID SET
NOT FOR CONSTRUCTION

SCALE

AS SHOWN

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY	G.P. EDWARDS
APPROVED BY	D. TILLAR
CHECKED BY	C. WILSON
DATE	MAY 2020

TITLE

FDOT STORMWATER DRAINAGE DETAILS

PROJECT NO. 50119780

C9.4

SHEET NO.

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EXAMPLE TABLE OF EQUIVALENT STEEL AREA

SCHEDULE	GRADE 60 REINFORCING BAR		EQUIVALENT GRADE 40 REINFORCING BAR		EQUIVALENT 65 KSI SMOOTH WELDED WIRE REINFORCEMENT		EQUIVALENT 70 KSI DEFORMED WELDED WIRE REINFORCEMENT	
	Bar Size & Spacing	Steel Area (in²/ft)	Bar Size & Spacing	Steel Area (in²/ft)	Style Designation	Steel Area (in²/ft)	Style Designation	Steel Area (in²/ft)
A	#3 @ 6½" Ctrs. #4 @ 12" Ctrs.	0.20	#3 @ 4½" Ctrs. #4 @ 8" Ctrs. #5 @ 12" Ctrs.	0.30	3"x3"-W4.6xW4.6 4"x4"-W6.2xW6.2 6"x6"-W9.2xW9.2	0.1846	3"x3"-D4.3xD4.3 4"x4"-D5.7xD5.7 6"x6"-D8.6xD8.6	0.1714
B	#3 @ 5½" Ctrs. #4 @ 10" Ctrs.	0.24	#3 @ 3½" Ctrs. #4 @ 6½" Ctrs. #5 @ 10" Ctrs.	0.36	3"x3"-W5.5xW5.5 4"x4"-W7.4xW7.4 6"x6"-W11.1xW11.1	0.2215	3"x3"-D5.1xD5.1 4"x4"-D6.9xD6.9 6"x6"-D10.3xD10.3	0.2057
Special 1	#3 @ 5" Ctrs.. #4 @ 9" Ctrs.	0.267	#3 @ 3" Ctrs. #4 @ 6" Ctrs. #5 @ 9" Ctrs.	0.40	3"x3"-W6.2xW6.2 4"x4"-W8.2xW8.2 6"x6"-W12.3xW12.3	0.2465	3"x3"-D5.7xD5.7 4"x4"-D7.6xD7.6 6"x6"-D11.4xD11.4	0.2289
C	#3 @ 3½" Ctrs. #4 @ 6½" Ctrs. #5 @ 10" Ctrs.	0.37	#4 @ 4" Ctrs. #5 @ 6½" Ctrs. #6 @ 9½" Ctrs.	0.555	3"x3"-W8.5xW8.5 4"x4"-W11.4xW11.4 6"x6"-W17.1xW17.1	0.3415	3"x3"-D7.9xD7.9 4"x4"-D10.6xD10.6 6"x6"-D15.9xD15.9	0.3171
D	#4 @ 4½" Ctrs. #5 @ 7" Ctrs. #6 @ 10" Ctrs.	0.53	#4 @ 3" Ctrs. #5 @ 4½" Ctrs. #6 @ 6½" Ctrs.	0.795	3"x3"-W12.2xW12.2 4"x4"-W16.3xW16.3 6"x6"-W24.5xW24.5	0.4892	3"x3"-D11.4xD11.4 4"x4"-D15.1xD15.1 6"x6"-D22.7xD22.7	0.4543
E	#4 @ 3" Ctrs. #5 @ 5" Ctrs. #6 @ 7" Ctrs.	0.73	#5 @ 3½" Ctrs. #6 @ 4½" Ctrs. #7 @ 6½" Ctrs.	1.095	3"x3"-W16.8xW16.8 4"x4"-W22.5xW22.5 6"x6"-W33.7xW33.7	0.6738	3"x3"-D15.6xD15.6 4"x4"-D20.9xD20.9 6"x6"-D31.3xD31.3	0.6257
F	#5 @ 3½" Ctrs. #6 @ 5" Ctrs. #7 @ 7" Ctrs.	1.06	#6 @ 3" Ctrs. #7 @ 4½" Ctrs. #8 @ 6" Ctrs.	1.59	3"x3"-W24.5xW24.5 4"x4"-W32.6xW32.6 6"x6"-W48.9xW48.9	0.9785	3"x3"-D22.7xD22.7 4"x4"-D30.3xD30.3 6"x6"-D45.4xD45.4	0.9086
Special 2	#5 @ 3" Ctrs. #6 @ 4" Ctrs. #7 @ 5½" Ctrs.	1.24	#7 @ 4" Ctrs. #8 @ 5" Ctrs.	1.86	3"x3"-W28.6xW28.6 4"x4"-W38.2xW38.2 6"x6"-W57.2xW57.2	1.1446	3"x3"-D26.6xD26.6 4"x4"-D35.4xD35.4 6"x6"-D53.1xD53.1	1.0629
G	#6 @ 3½" Ctrs. #7 @ 5" Ctrs.	1.46	#7 @ 3" Ctrs. #8 @ 4" Ctrs.	2.19	3"x3"-W33.7xW33.7 4"x4"-W44.9xW44.9	1.3477	3"x3"-D31.3xD31.3 4"x4"-D41.7xD41.7	1.2514

NOTES:

1. See inlet indexes for optional precast inlet construction details up to depths of 15'.
2. Interior dimensions of an Alt. "B" Bottom may be adjusted to reflect these inlet interior dimensions when precast units are used in conjunction with Alt. "B" Structure Bottoms, Index 425-010.
3. Use concrete meeting the requirements of ASTM C478 or Class IV for precast structures with 6" wall or slab thickness.
4. Reinforcement may be deformed bar reinforcement or welded wire reinforcement. Bar reinforcement other than 60 ksi may be used, however only two grades are recognized: Grade 40 and Grade 60. Smooth welded wire reinforcement will be recognized as having a design strength of 65 ksi and deformed welded wire reinforcement will be recognized as having a design strength of 70 ksi. The area of reinforcement required may be adjusted in accordance with the Equivalent Steel Area Table provided. Use the following equations to determine the steel area and spacing for bars not otherwise specified:

   Grade 40 Steel Area = As40= 60/40 x As60

   Smooth Welded Wire Reinforcement Steel Area = As65= 60/65 x As60

   Deformed Welded Wire Reinforcement Steel Area = As70= 60/70 x As60

   When a reduced area of reinforcement is provided, any maximum bar spacing shown must also be reduced as determined by the following equations, unless otherwise shown:

   Max. Grade 40 Bar Spacing = Grade 60 Bar Spacing

   Max. Smooth Welded Wire Spacing = Grade 60 Bar Spacing x 0.86

   Max. Deformed Welded Wire Spacing = Grade 60 Bar Spacing x 0.74

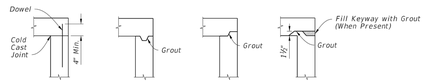
   When an increased area of reinforcing is provided, the maximum bar spacing may be increased by the squared ration of increased steel area, but not to exceed 12":

   Max. Bar Spacing Provided s=Max. Bar Spacing Required x $\left(\frac{\text{Steel Area Provided}}{\text{Min. Steel Area Required}}\right)^2$

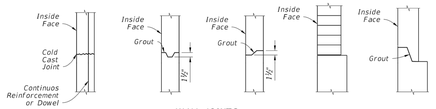
   Use wire no smaller than than W3.1 or D4.0, or larger and with spacing 8" or less. Use bar reinforcement displaying the minimum yield designation grade mark, or either the number 60 or one (1) grade mark line to be acceptable at the higher value. Use maximum bar spacing no greater than two (2) times the slab thickness with a maximum spacing of 12" or three (3) times the wall thickness, with a maximum spacing of 18" for vertical bars and 12" for horizontal bars. Wires smaller than W3.1 or D4.0 may be used in the walls of ASTM C 478 round structure bottoms and round risers.
5. Fiber-reinforced concrete may be substituted for conventional steel reinforcement in accordance with the Structures Design Guidelines. Submit shop drawings corresponding to an approved fiber-reinforced concrete mix design for approval to the State Drainage Office.

PRECAST OPTION AND EQUIVALENT REINFORCEMENT SUBSTITUTION

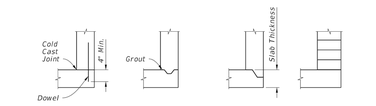
LAST REVISION 11/01/20	REVISION	DESCRIPTION:	FDOT FY 2022-23 STANDARD PLANS	SUPPLEMENTARY DETAILS FOR DRAINAGE STRUCTURES	INDEX 425-001	SHEET 5 of 8



TOP SLABS TO WALL JOINTS



WALL JOINTS

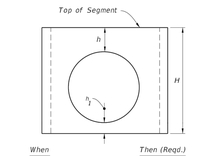


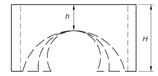
BOTTOM SLAB TO WALL JOINTS

NOTES:

1. One or more types of joints may be used in a single structure, except brick wall structure. Brick wall construction is permitted on circular units only.
2. All grouted joints are to have a maximum thickness of 1".
3. Keyways are to be a minimum of 1½" deep.
4. Joint dowels are to be #4 bars, 12" long with a minimum of 6 bars per joint approximately evenly spaced for circular structures or at maximum 12" spacing for rectangular structures. Bars may be either Adhesive Bonded Dowels in accordance with Specification 416, or placed approximately 6" into fresh concrete leaving the remainder to extend into the secondary cast. Welded wire reinforcement may be substituted for the dowel bar in accordance with the equivalent steel area table on Sheet 5.
5. Minimum cover on dowel reinforcing bars is 2" to outside face of structure.
6. Seal joints between wall segments and between wall segments and top or bottom slabs with preformed plastic gasket material inaccordance with Specification 430 or non-shrink grout in accordance with Specification 934.
7. Insert products approved by the Engineer may be used in lieu of dowel embedment.

CONSTRUCTION JOINT OPTIONS







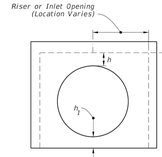
RISER SEGMENTS OTHER THAN DOWEL

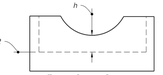
NOTES:

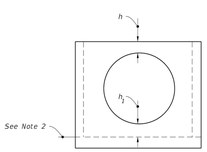
1. Segments may be inverted. Opening for pipe is the pipe OD plus 6" (± 2" tolerance).
2. If h can not be attained, then a top or bottom slab must be attached to the segment as shown below.

TABLE 3
Minimum Value for H

H (min.)	Box or Riser Diameter
1'-0"	3'-6" & 4'-0"
1'-6"	5'-0" & 6'-0"
2'-0"	>6'-0"







NOTES:

1. h may be less than 6" when approved by the Engineer, but not for inlet segments at finish grade elevation.
2. Dowel construction joint or monolithic cast only.

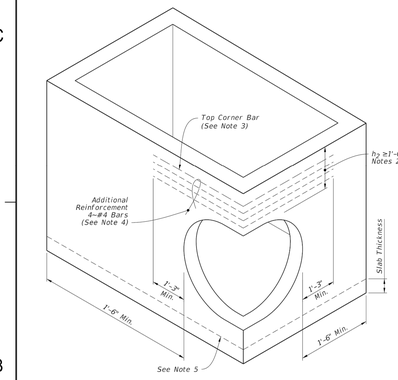
SEGMENTS FOR SLAB TO WALL DOWEL CONSTRUCTION JOINTS OR MONOLITHIC CAST

CONSTRUCTION JOINT OPTIONS

MINIMUM BOX AND RISER SEGMENT DIMENSIONS

CONSTRUCTION JOINT OPTIONS AND MINIMUM BOX AND RISER SEGMENT DIMENSIONS

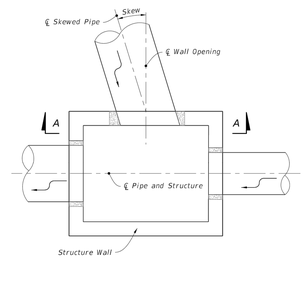
LAST REVISION 11/01/20	REVISION	DESCRIPTION:	FDOT FY 2022-23 STANDARD PLANS	SUPPLEMENTARY DETAILS FOR DRAINAGE STRUCTURES	INDEX 425-001	SHEET 6 of 8



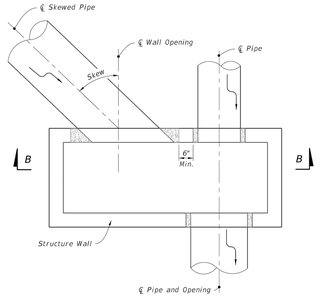
NOTES:

1. Submit Shop Drawings of corner openings for approval by the Engineer.
2. h_1 may be less than 1'-0" when a minimum 1'-0" deep segment, 8" slab or curb inlet is provided above the corner opening.
3. For inlet segments at finish grade elevation, substitute a #8 Bar for the top corner bar when $1'-0" \le h_1 < 2'-0"$.
4. Install bars continuously around corner and evenly spaced. Tie additional reinforcement to the outside of vertical wall reinforcement.
5. Dowel construction joint or monolithic cast wall and slabs.

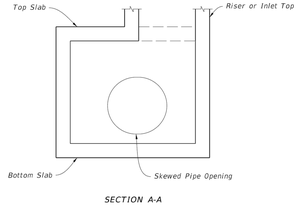
PIPE OPENING AT CORNER



PLAN

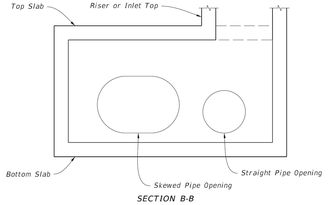


PLAN



SECTION A-A

SKEWS ≤ 45°
(Not Centered)

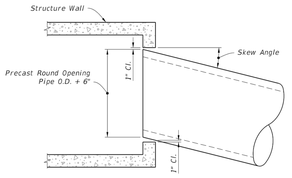


SECTION B-B

SKEWS > 45°
(Not Centered)

SKEWED PIPE IN RECTANGULAR STRUCTURES
(See Table 4 on Sheet 8)

SKEWED PIPE IN RECTANGULAR STRUCTURES



PLAN VIEW

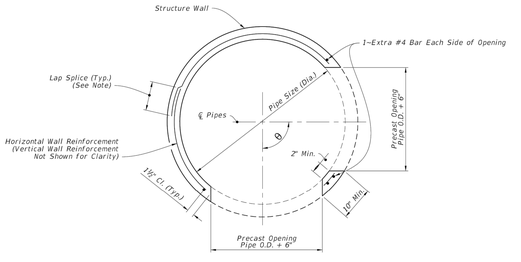
TABLE 4 - MAXIMUM PIPE SKEW FOR PRECAST ROUND OPENINGS

WALL THICKNESS	PIPE SIZE											
	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"
MAXIMUM SKEW ANGLE 8"	19°	17°	16°	16°	15°	14°	14°	13°	13°	13°	12°	12°
6"	21°	20°	18°	17°	17°	16°	15°	15°	14°	14°	13°	13°

NOTE:

These values are based on 2" clearance for precast structures. Larger skews are possible for Cast-In-Place Structures or elliptical pipe openings when approved by the Engineer.

MAXIMUM PIPE SKEW FOR PRECAST ROUND OPENINGS

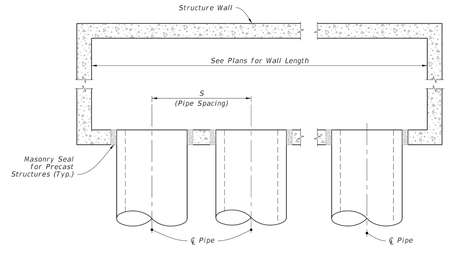


PLAN VIEW

NOTE:

Lap splice: 20 bar diameter for deformed wire or bar, but not less than vertical wire spacing plus 2" for WWR or 40 bar diameters for smooth wire.

MULTIPLE PIPE CONNECTIONS - PRECAST ROUND STRUCTURES



PLAN VIEW

TABLE 5 - MINIMUM SIZES FOR MULTIPLE PARALLEL PIPE CONNECTIONS

PIPE SIZE	PIPE SPACING (S)
18"	2'-10"
24"	3'-5"
30"	4'-3"
36"	5'-1"
42"	6'-0"
48"	6'-9"
54"	7'-8"
60"	8'-6"
66"	9'-0"
72"	10'-0"
78"	10'-9"
84"	11'-8"

MULTIPLE PARALLEL PIPE CONNECTIONS - RECTANGULAR STRUCTURES

MISCELLANEOUS PIPE CONNECTION DETAILS

LAST REVISION 11/01/20	REVISION	DESCRIPTION:	FDOT FY 2022-23 STANDARD PLANS	SUPPLEMENTARY DETAILS FOR DRAINAGE STRUCTURES	INDEX 425-001	SHEET 8 of 8

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139 E. GOVERNMENT STREET
PENSACOLA, FL 32502
(850) 760-0332

HASHTAG CONNECTOR PROJECT
PHASE ONE
MAIN STREET REVITALIZATION
CITY OF PENSACOLA, FLORIDA

SEAL

BID SET
NOT FOR CONSTRUCTION

SCALE

AS SHOWN

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY	G.P. EDWARDS
APPROVED BY	D. TILLAR
CHECKED BY	C. WILSON
DATE	MAY 2020

TITLE

FDOT STORMWATER DRAINAGE DETAILS

PROJECT NO. 50119780

C9.5

SHEET NO.

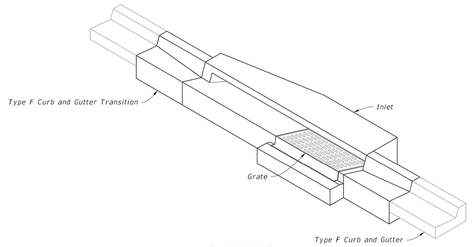
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11/29/2021 4:56:09 PM - Q:\50119780 CITY OF PENSACOLA HASHTAG CONNECTOR PROJECT-PHASE ONE MAIN STREET\2- DESIGN PHASE SERVICES\CAD\CIVIL\2 PLANS\DETAILS.DWG

GENERAL NOTES:

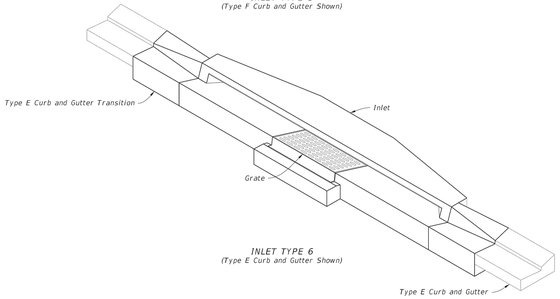
1. Work this Index with Index 425-001 and Index 425-010.
2. Conform the finished grade and slope of the inlet tops with the finished cross slope and grade of the proposed sidewalk and/or border.
3. For inlets constructed on a curve, refer to the plans to determine the radius. Bend steel when necessary.
4. Use Grade 60 reinforcing bars with 1½" minimum cover unless otherwise shown, see Sheet 6 for equivalent area Welded Wire Reinforcement details.
5. Inlet tops may be either cast-in-place or precast concrete. Conform precast units to the dimensions shown or in accordance with approved shop drawings.
6. Corner fillets are required at inlet opening for precast units or C-I-P units used in conjunction with circular inlet bottoms or skewed rectangular inlet boxes. Finish top of fillets flush with drain throat bottom and match slope.
7. For Type E curb and gutter, transition the shape of the curb over the gutter transition length to match the face of the inlet (Type Ft).
8. Meet the requirements of ASTM A36/A36M with steel used for frames and grates.
9. Use either cast iron grates or steel grates.

TABLE OF CONTENTS:

Sheet	Description
1	General Notes and Contents
2	Type 5 and 6 Dimensional Details
3	Type 5 and 6 Reinforcing and Bar Bending Details
4	Precast Dimensional and Reinforcing Details
5	Cast-In-Place Dimensional and Reinforcing Details
6	Alternate Welded Wire Reinforcing (WWR) Details
7	Grate, Anchor, and Grouting Details

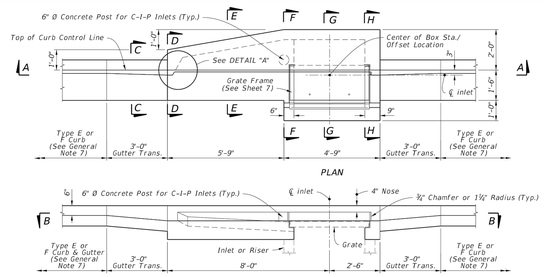


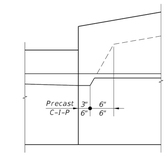
INLET TYPE 5
(Type F Curb and Gutter Shown)



INLET TYPE 6
(Type E Curb and Gutter Shown)

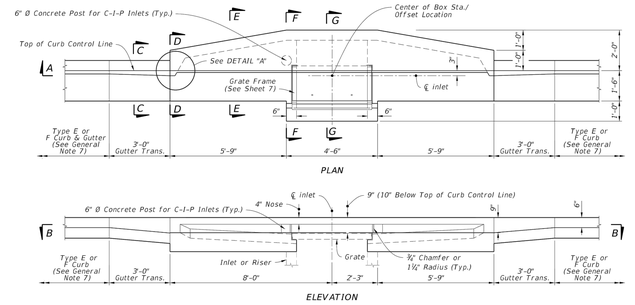
CURB INLETS TOPS





DETAIL "A"

TYPE 5 DIMENSIONAL DETAILS

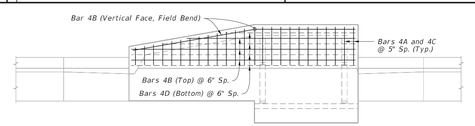


TYPE 6 DIMENSIONAL DETAILS

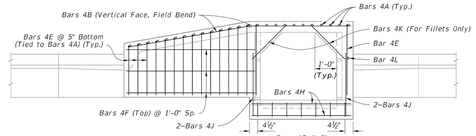
TYPE 5 AND 6 DIMENSIONAL DETAILS

LAST REVISION	DESCRIPTION:	FDOT FY 2022-23 STANDARD PLANS	CURB INLET TOP TYPES 5 AND 6	INDEX	SHEET
11/01/20				425-021	1 of 7

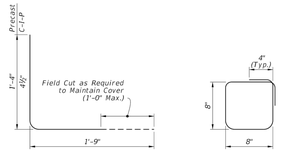
LAST REVISION	DESCRIPTION:	FDOT FY 2022-23 STANDARD PLANS	CURB INLET TOP TYPES 5 AND 6	INDEX	SHEET
11/01/20				425-021	2 of 7



TOP

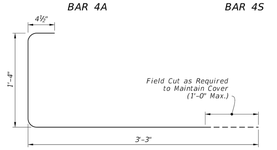


SECTION B-B



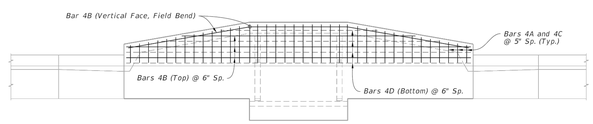
BAR 4A

BAR 4S

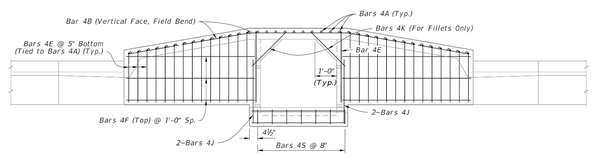


BAR 4E

TYPE 5 REINFORCING DETAILS



TOP



SECTION B-B

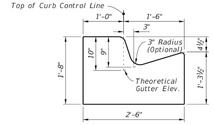
TYPE 6 REINFORCING DETAILS

BILL OF REINFORCING STEEL					
MARK	SIZE	TYPE 5 INLET		TYPE 6 INLET	
		NO.	LENGTH	NO.	LENGTH
A (Precast)	4	25	3'-1"	38	3'-1"
A (C-I-P)	4	25	2'-1½"	38	2'-1½"
B	4	6	10'-3"	6	15'-9"
C	4	25	11" to 1'-11"	38	11" to 1'-11"
D	4	4	10'-3"	4	15'-9"
E	4	16	4'-11½"	30	4'-11½"
F	4	3	6'-0"	6	6'-0"
H	4	4	4'-6"	4	4'-6"
J	4	4	3'-0"	4	3'-0"
K (Fillet)	4	2	2'-3"	2	2'-3"
L (Precast)	4	1	1'-4"	0	---
L (C-I-P)	4	10	1'-4"	9	1'-4"
S	4	7	3'-2"	7	3'-2"

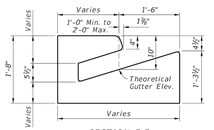
NOTES:
1. All bar dimensions in the bending diagrams are out to out.
2. Bars 4A and 4E may be combined into a single bar.
3. Welded Wire Reinforcement consists of smooth or deformed wire meeting the requirements of Specification 931.

TYPE 5 AND 6 REINFORCING AND BAR BENDING DETAILS

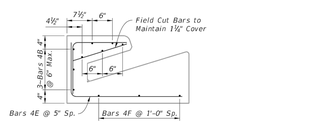
LAST REVISION	DESCRIPTION:	FDOT FY 2022-23 STANDARD PLANS	CURB INLET TOP TYPES 5 AND 6	INDEX	SHEET
11/01/20				425-021	3 of 7



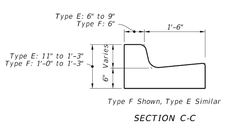
SECTION D-D



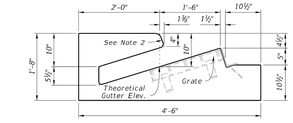
SECTION E-E



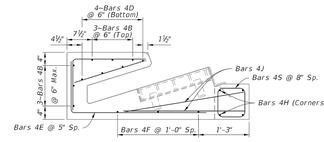
SECTION E-E



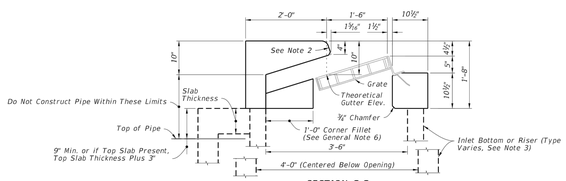
SECTION C-C



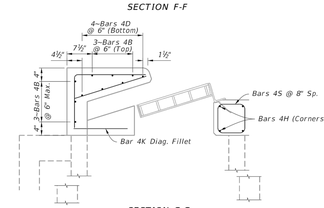
SECTION F-F



SECTION F-F

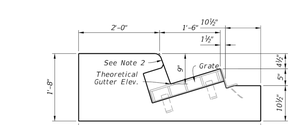


SECTION G-G

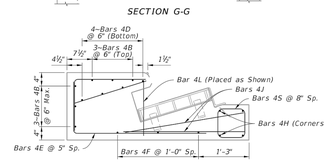


SECTION G-G

NOTES:
1. For location of Sections D-D thru H-H see Sheet 2.
2. Match slope of adjacent curb with 2" top radius and ⅜" bottom chamfer of 1½" radius.
3. See Plans for bottom and riser type.



SECTION H-H



SECTION H-H

DIMENSIONAL DETAILS

REINFORCING DETAILS

PRECAST DIMENSIONAL AND REINFORCING DETAILS

LAST REVISION	DESCRIPTION:	FDOT FY 2022-23 STANDARD PLANS	CURB INLET TOP TYPES 5 AND 6	INDEX	SHEET
11/01/20				425-021	4 of 7

Dewberry
139 E. GOVERNMENT STREET
PENSACOLA, FL 32502
(850) 760-0332

HASHTAG CONNECTOR PROJECT
PHASE ONE
MAIN STREET REVITALIZATION
CITY OF PENSACOLA, FLORIDA

SEAL

BID SET
NOT FOR CONSTRUCTION

SCALE

AS SHOWN

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY	G.P. EDWARDS
APPROVED BY	D. TILLAR
CHECKED BY	C. WILSON
DATE	MAY 2020

TITLE

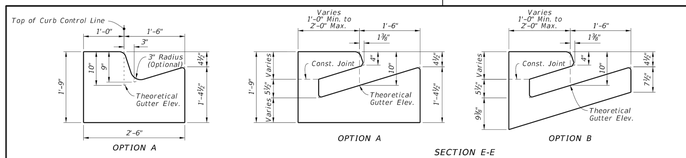
FDOT STORMWATER DRAINAGE DETAILS

PROJECT NO. 50119780

C9.6

SHEET NO.

11/29/2021 4:50:09 PM - Q:\50119780 CITY OF PENSACOLA HASHTAG CONNECTOR PROJECT-PHASE ONE-MAIN STREET\2 - DESIGN PHASE SERVICES\CAD\CIVIL\2 PLANS\DETAILS.DWG

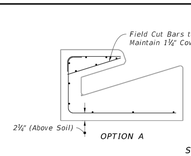


OPTION A

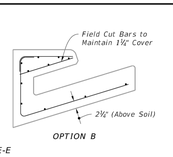
OPTION A

OPTION B

SECTION E-E

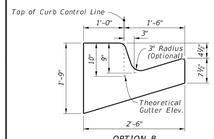


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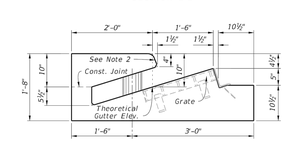
OPTION B

SECTION E-E

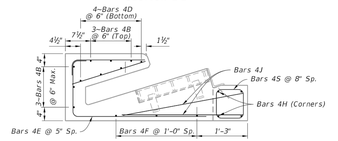


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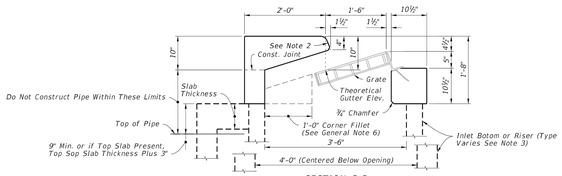
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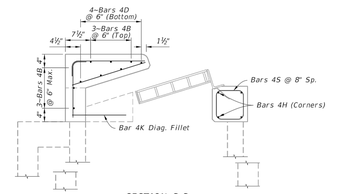
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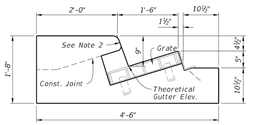
SECTION F-F



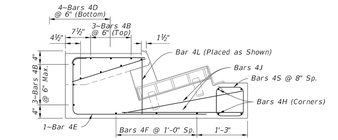
SECTION G-G



SECTION G-G



SECTION H-H



SECTION H-H

DIMENSIONAL DETAILS

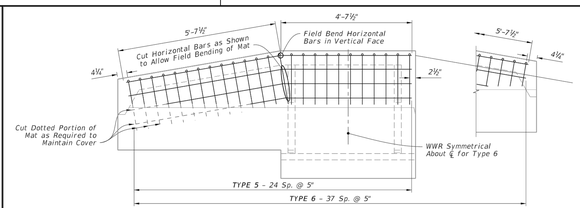
REINFORCING DETAILS

NOTES:

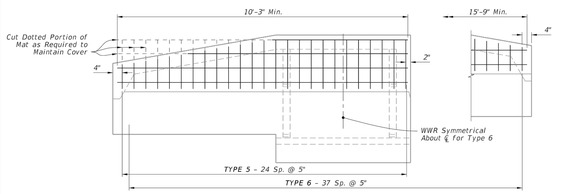
1. For location of Sections D-D thru H-H see Sheet 2.
2. Match slope of adjacent curb with 2" top radius and ½" bottom chamfer or 1½" radius.
3. See Plans for bottom and riser type.

CAST-IN-PLACE DIMENSIONAL AND REINFORCING DETAILS

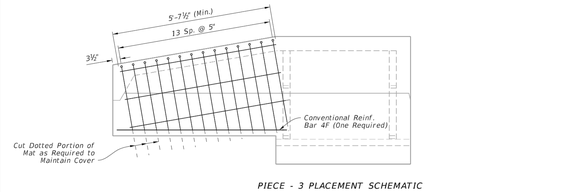
LAST REVISION 11/01/20	REVISION	DESCRIPTION:	FDOT FY 2022-23 STANDARD PLANS	CURB INLET TOP TYPES 5 AND 6	INDEX 425-021	SHEET 5 of 7



PIECE - 1 PLACEMENT SCHEMATIC

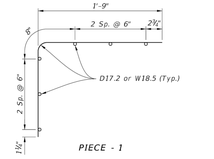


PIECE - 2 PLACEMENT SCHEMATIC

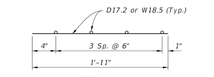


PIECE - 3 PLACEMENT SCHEMATIC

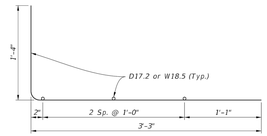
WWR REINFORCING DETAILS



PIECE - 1

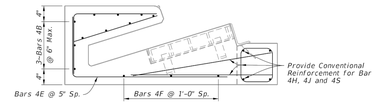


PIECE - 2



PIECE - 3

WELDED WIRE REINFORCING DETAILS



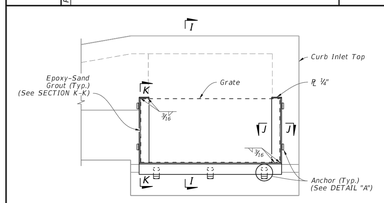
TYPICAL SECTION

NOTES:

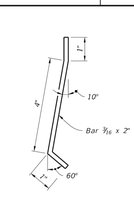
1. All bar dimensions in the bending diagrams are out to out.
2. Welded Wire Reinforcement consists of Smooth or Deformed wire meeting the requirements of Specification 931.

ALTERNATE WELDED WIRE REINFORCING (WWR) DETAILS

LAST REVISION 11/01/20	REVISION	DESCRIPTION:	FDOT FY 2022-23 STANDARD PLANS	CURB INLET TOP TYPES 5 AND 6	INDEX 425-021	SHEET 6 of 7

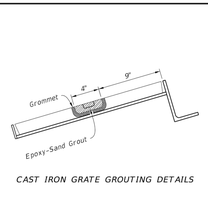


FRAME DETAIL

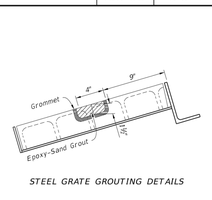


ANCHOR

DETAIL "A"

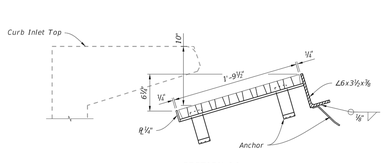


CAST IRON GRATE GROUTING DETAILS

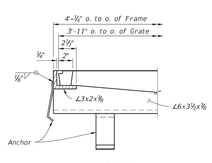


STEEL GRATE GROUTING DETAILS

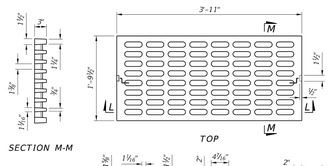
SECTION K-K



SECTION I-I



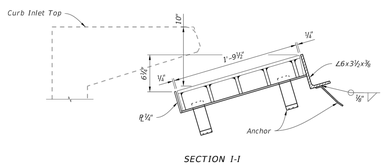
SECTION J-J



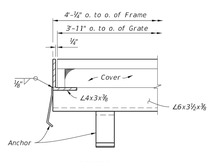
SECTION M-M

SECTION L-L

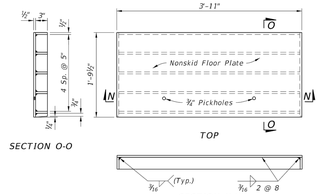
CAST IRON GRATE



SECTION I-I



SECTION J-J



SECTION O-O

SECTION N-N

STEEL GRATE

GRATE, ANCHOR, AND GROUTING DETAILS

LAST REVISION 11/01/20	REVISION	DESCRIPTION:	FDOT FY 2022-23 STANDARD PLANS	CURB INLET TOP TYPES 5 AND 6	INDEX 425-021	SHEET 7 of 7

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139 E. GOVERNMENT STREET
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(850) 760-0332

HASHTAG CONNECTOR PROJECT
PHASE ONE
MAIN STREET REVITALIZATION
CITY OF PENSACOLA, FLORIDA

SEAL

BID SET
NOT FOR CONSTRUCTION

SCALE

AS SHOWN

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY	G.P. EDWARDS
APPROVED BY	D. TILLAR
CHECKED BY	C. WILSON
DATE	MAY 2020

TITLE

FDOT STORMWATER DRAINAGE DETAILS

PROJECT NO. 50119780

C9.7

SHEET NO.

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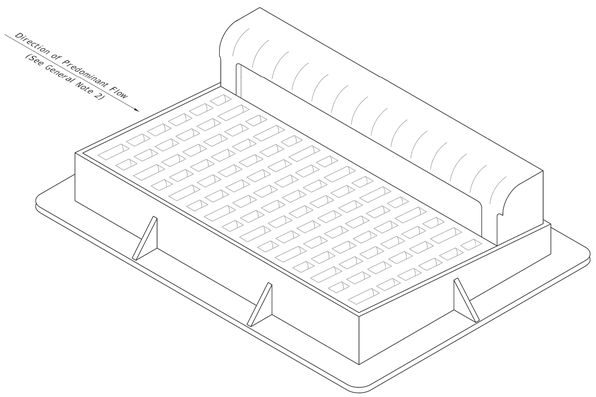
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GENERAL NOTES:

1. Work this Index with Index 425-001 and Index 425-010.
2. Orient grate with vanes directed toward predominant flow.
3. Provide 1¼" minimum cover for steel in slab tops unless otherwise shown. Tops may be either cast-in-place or precast concrete.
4. Place top slab openings such that 2 edges of inlet frame will be located directly above bottom wall or riser wall for Alternate B applications..
5. When used on a structure with dimensions larger than those detailed on Sheet 3 and risers are not applied, construct the top slab using Index 425-010 with the slab opening adjusted to 24"x36". The "Special Top Slab" on Index 425-010 is not permitted.
6. Frame may be adjusted with one to six courses of brick.
7. Vaned grates with approximately equal openings that satisfy AASHTO HL-93 loading are permitted. Provide reversible (right or left) grates.

TABLE OF CONTENTS:

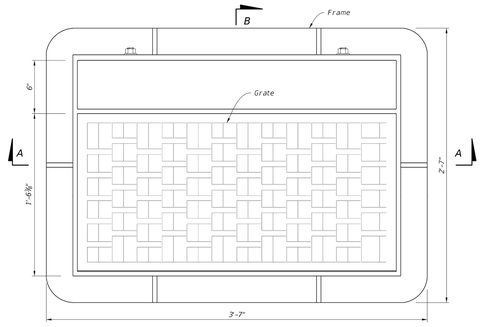
Sheet	Description
1	General Notes and Contents
2	Frame and Grate Details
3	Top Slab Details



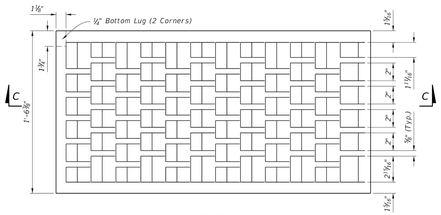
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11/01/20						425-024	1 of 3

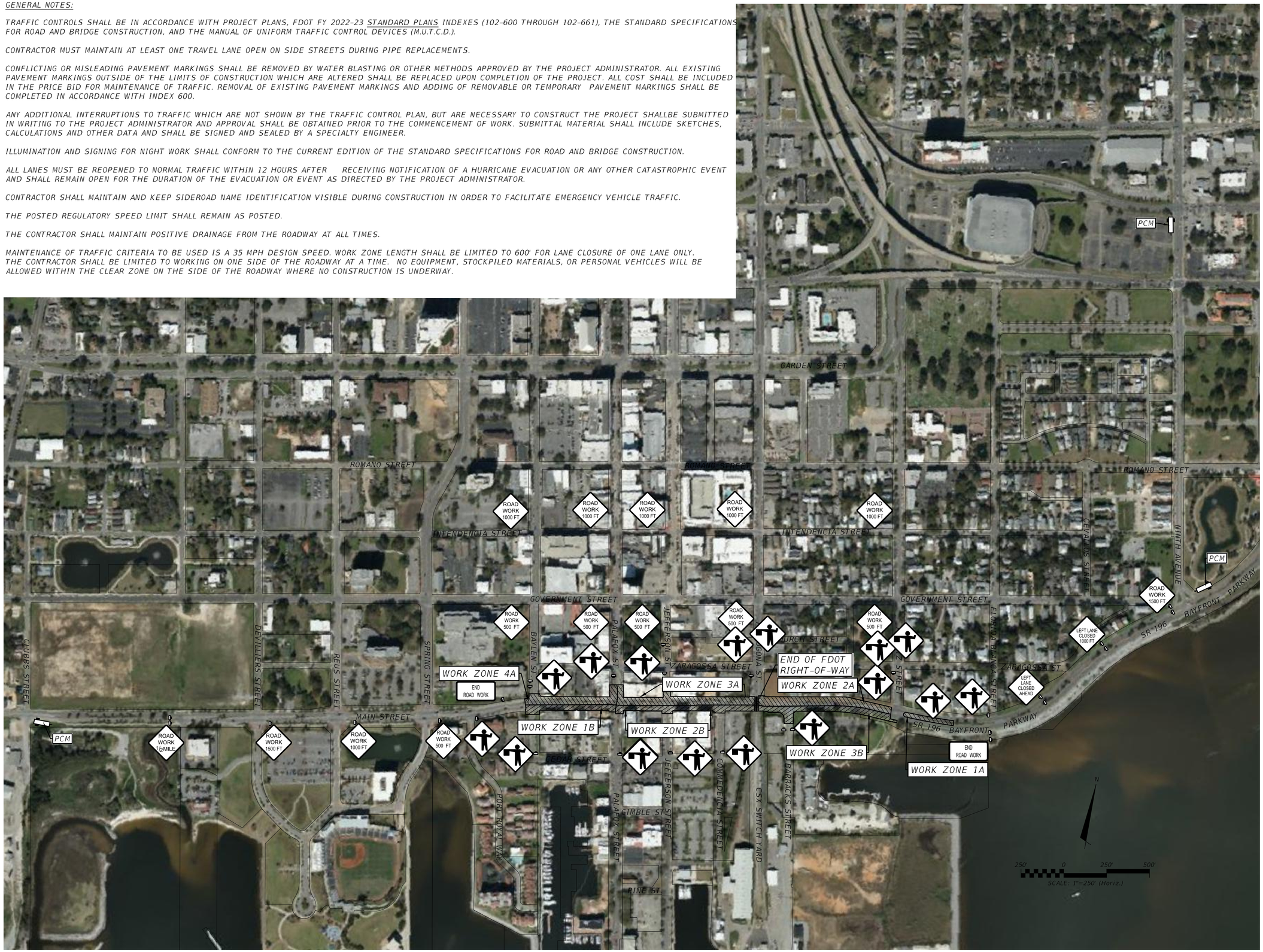


PLAN


1⅛"
¼" Bottom Lug (2 Corners)
1⅜"
C
1'-6⅜"
2" 1⅞" 2" 2" 2

GENERAL NOTES:

1. *TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH PROJECT PLANS, FDOT FY 2022-23 STANDARD PLANS INDEXES (102-600 THROUGH 102-661), THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.).*
2. *CONTRACTOR MUST MAINTAIN AT LEAST ONE TRAVEL LANE OPEN ON SIDE STREETS DURING PIPE REPLACEMENTS.*
3. *CONFLICTING OR MISLEADING PAVEMENT MARKINGS SHALL BE REMOVED BY WATER BLASTING OR OTHER METHODS APPROVED BY THE PROJECT ADMINISTRATOR. ALL EXISTING PAVEMENT MARKINGS OUTSIDE OF THE LIMITS OF CONSTRUCTION WHICH ARE ALTERED SHALL BE REPLACED UPON COMPLETION OF THE PROJECT. ALL COST SHALL BE INCLUDED IN THE PRICE BID FOR MAINTENANCE OF TRAFFIC. REMOVAL OF EXISTING PAVEMENT MARKINGS AND ADDING OF REMOVABLE OR TEMPORARY PAVEMENT MARKINGS SHALL BE COMPLETED IN ACCORDANCE WITH INDEX 600.*
4. *ANY ADDITIONAL INTERRUPTIONS TO TRAFFIC WHICH ARE NOT SHOWN BY THE TRAFFIC CONTROL PLAN, BUT ARE NECESSARY TO CONSTRUCT THE PROJECT SHALLBE SUBMITTED IN WRITING TO THE PROJECT ADMINISTRATOR AND APPROVAL SHALL BE OBTAINED PRIOR TO THE COMMENCEMENT OF WORK. SUBMITTAL MATERIAL SHALL INCLUDE SKETCHES, CALCULATIONS AND OTHER DATA AND SHALL BE SIGNED AND SEALED BY A SPECIALTY ENGINEER.*
5. *ILLUMINATION AND SIGNING FOR NIGHT WORK SHALL CONFORM TO THE CURRENT EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.*
6. *ALL LANES MUST BE REOPENED TO NORMAL TRAFFIC WITHIN 12 HOURS AFTER RECEIVING NOTIFICATION OF A HURRICANE EVACUATION OR ANY OTHER CATASTROPHIC EVENT AND SHALL REMAIN OPEN FOR THE DURATION OF THE EVACUATION OR EVENT AS DIRECTED BY THE PROJECT ADMINISTRATOR.*
7. *CONTRACTOR SHALL MAINTAIN AND KEEP SIDEROAD NAME IDENTIFICATION VISIBLE DURING CONSTRUCTION IN ORDER TO FACILITATE EMERGENCY VEHICLE TRAFFIC.*
8. *THE POSTED REGULATORY SPEED LIMIT SHALL REMAIN AS POSTED.*
9. *THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE FROM THE ROADWAY AT ALL TIMES.*
10. *MAINTENANCE OF TRAFFIC CRITERIA TO BE USED IS A 35 MPH DESIGN SPEED. WORK ZONE LENGTH SHALL BE LIMITED TO 600' FOR LANE CLOSURE OF ONE LANE ONLY.*
11. *THE CONTRACTOR SHALL BE LIMITED TO WORKING ON ONE SIDE OF THE ROADWAY AT A TIME. NO EQUIPMENT, STOCKPILED MATERIALS, OR PERSONAL VEHICLES WILL BE ALLOWED WITHIN THE CLEAR ZONE ON THE SIDE OF THE ROADWAY WHERE NO CONSTRUCTION IS UNDERWAY.*



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CITY OF PENSACOLA, FLORIDA

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DAVID B. TILLAR, P.E. FL. PE No. 86282 COA# 8794

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APPROVED BY	D. TILLAR
CHECKED BY	C. WILSON
DATE	MAY 2020

TITLE

OVERALL MOT & CONSTRUCTION PHASING PLAN

PROJECT NO. 50119780

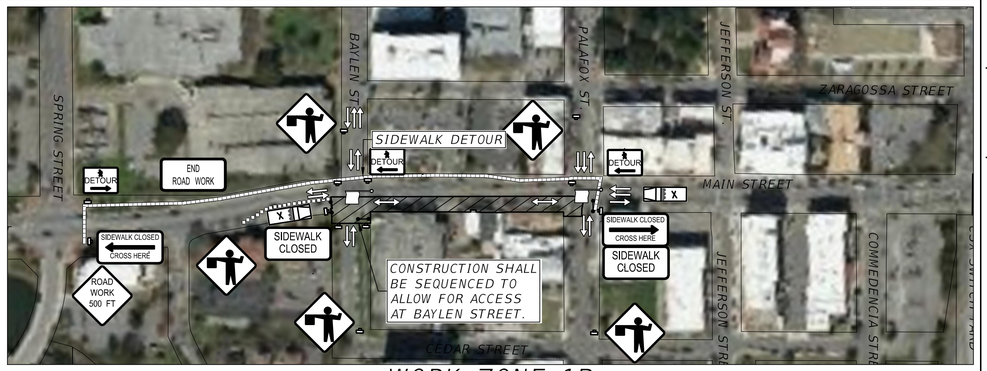
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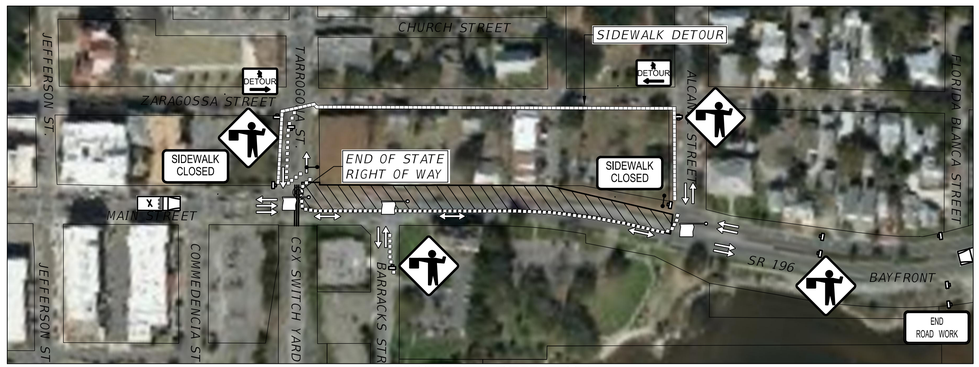
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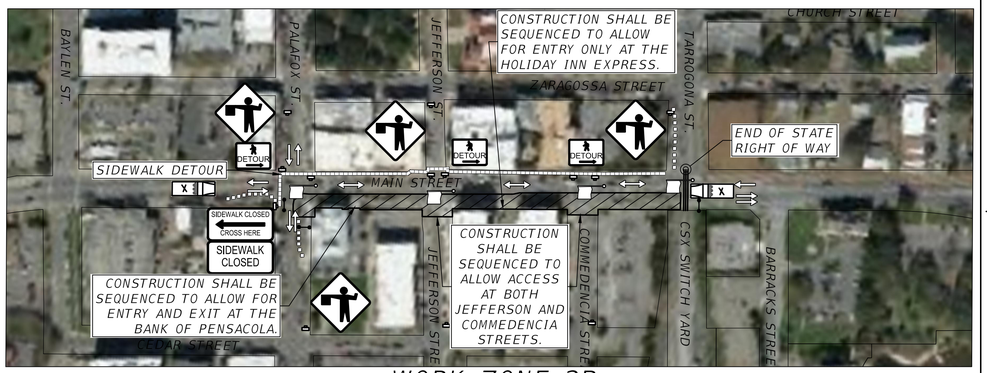
WORK ZONE 1A



WORK ZONE 1B



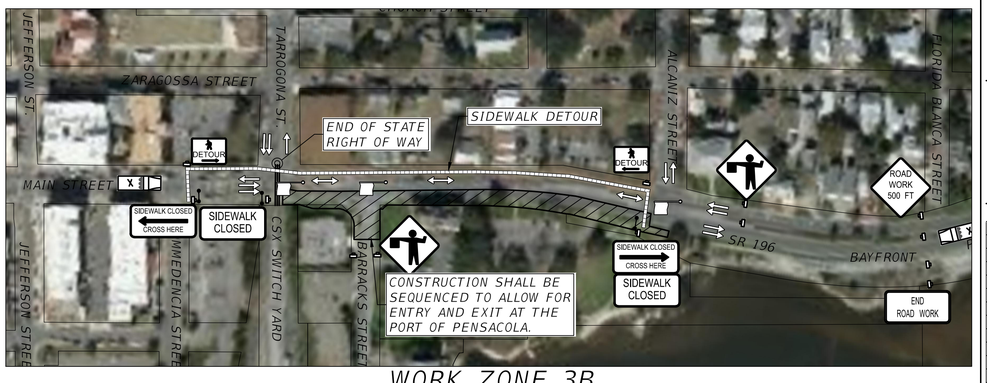
WORK ZONE 2A



WORK ZONE 2B



WORK ZONE 3A



WORK ZONE 3B



WORK ZONE 4A

N

150' 0 150' 300'

SCALE: 1"=150' (Horiz.)

- Work Area
- Pedestrian Longitudinal Channelizing device (LCD)
- Work Zone Sign
- Flagger
- Lane Identification + Direction of Traffic
- Lane Identification + Controlled Dual Direction Lane
- PCM: Portable Changeable (Variable) Message Sign
- Type III Barricade
- Sidewalk/ Pedestrian Detour

DETOUR | END ROAD WORK | ROAD CLOSED 100 FT | LEFT LANE CLOSED AHEAD

SIDEWALK CLOSED | SIDEWALK CLOSED CROSS HERE | SIDEWALK CLOSED CROSS HERE

CONSTRUCTION PHASING NOTES:

1. INSTALL ADVANCED WARNING TRAFFIC CONTROL SIGNS. (INDEX 603,604,605)
2. INSTALL EROSION CONTROL ITEMS IN ACCORDANCE WITH APPROVED PROJECT EROSION CONTROL PLAN. (INDEX 603,604,605)
3. CONSTRUCT DRAINAGE IMPROVEMENTS. (INDEX 603)
4. CONSTRUCT SIDEWALK (INDEX 660)
5. CONSTRUCT PAVEMENT OVERLAYS (OVERNIGHT LANE CLOSURES)
5. COMPLETE TURNOUT CONSTRUCTION. (INDEX 603,604,605)

CONSTRUCTION PHASING SHOWN ABOVE IS FOR REFERENCE PURPOSES ONLY. IT IS NOT INTENDED FOR THE CONTRACTOR TO FOLLOW STEP BY STEP.

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CITY OF PENSACOLA, FLORIDA

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DAVID B. TILLAR, P.E. FL. PE No. 86282 COA# 8794

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CHECKED BY	C. WILSON
DATE	MAY 2020

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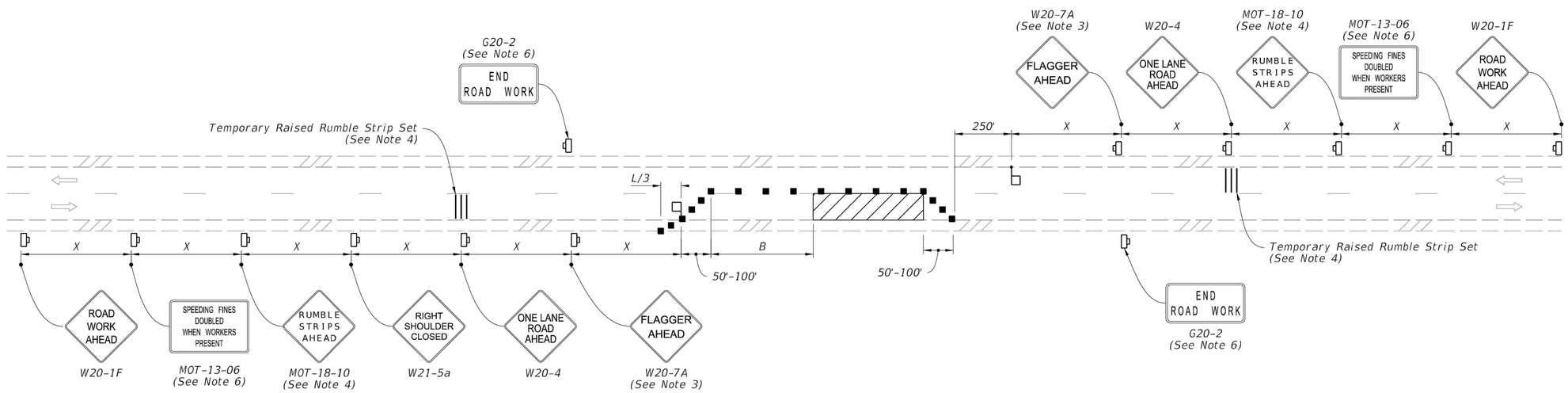
CONSTRUCTION & MOT PHASING PLAN

PROJECT NO. 50119780

C10.1

SHEET NO.

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NOTES:

1. This Index applies to Two-Lane, Two-Way Roadways with work within the traveled way.

2. L = Taper Length
   B = Buffer Length
   X = Work Zone Sign Spacing
   See Index 102-600 for "L", "B", "X" and channelizing device spacing values.

3. Optionally, use "Flagger Ahead" sign with symbol (W20-7) instead of "Flagger Ahead" sign with text (W20-7A).

4. Use temporary raised rumble strips when the existing posted speed is 55 mph or greater and the work duration is greater than 60 minutes. If temporary raised rumble strips are not used, omit "Rumble Strips Ahead" signs (MOT-18-10) and associated work zone sign spacing.

5. Additional one-way control may be provided by the following means:
   a. Flag-carrying vehicle
   b. Official vehicle
   c. Pilot vehicles
   d. Traffic signals

   When flaggers are the sole means of one-way control, the flaggers must be in sight of each other or in direct communication at all times.

6. The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" signs (G20-2), along with associated work zone sign spacing, may be omitted when the work operation will be in place for 24 hours or less.

7. Automated Flagger Assistance Devices (AFADs) may be used in accordance with Specification Sections 102, 990 and the APL vendor drawings.

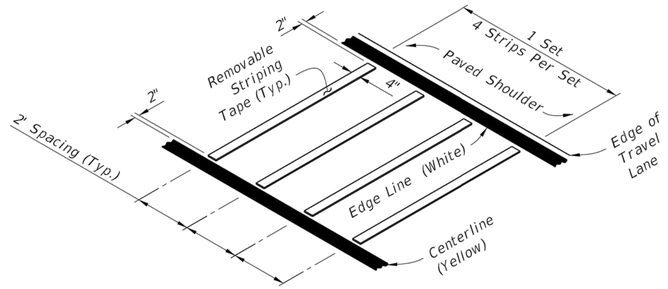
8. Railroad Crossings:

   a. If an active railroad crossing is located closer to the Work Area than the queue length plus 300 feet, extend the Buffer Space as shown on Sheet 2.

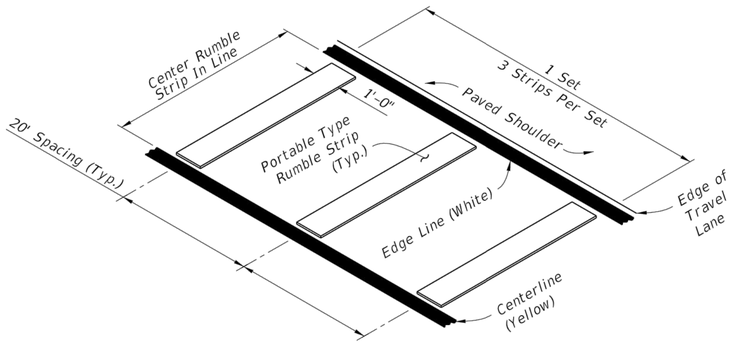
   b. If the queuing of vehicles across an active railroad crossing cannot be avoided, provide a uniformed traffic control officer or flagger at the highway-rail grade crossing to prevent vehicles from stopping within the highway-rail grade crossing, even if automatic train warning devices are in place.

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Flagger
- Lane Identification and Direction of Traffic



OPTION - 1
REMOVABLE STRIPING TYPE



OPTION - 2
PORTABLE TYPE

RUMBLE STRIP SETS

LAST REVISION	REVISION	DESCRIPTION:				
11/01/21			FDOT FY 2022-23 STANDARD PLANS	TWO-LANE, TWO-WAY WORK WITHIN THE TRAVEL WAY	INDEX 102-603	SHEET 1 of 2

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HASHTAG CONNECTOR PROJECT
PHASE ONE
MAIN STREET REVITALIZATION
CITY OF PENSACOLA, FLORIDA

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DAVID B. TILLAR, P.E. FL. PE No. 86282 COA# 8794

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CHECKED BY	C. WILSON
DATE	MAY 2020

TITLE

MAINTENANCE OF TRAFFIC PLAN

PROJECT NO. 50119780

C10.2

SHEET NO.

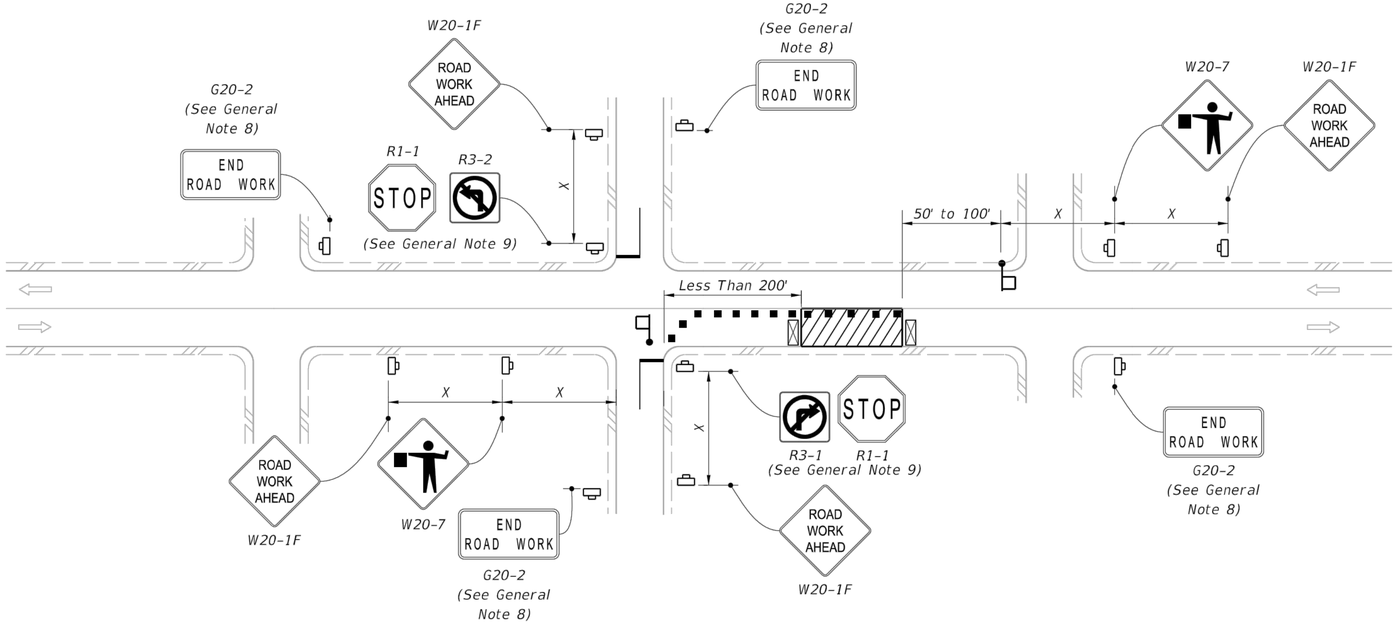
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GENERAL NOTES:

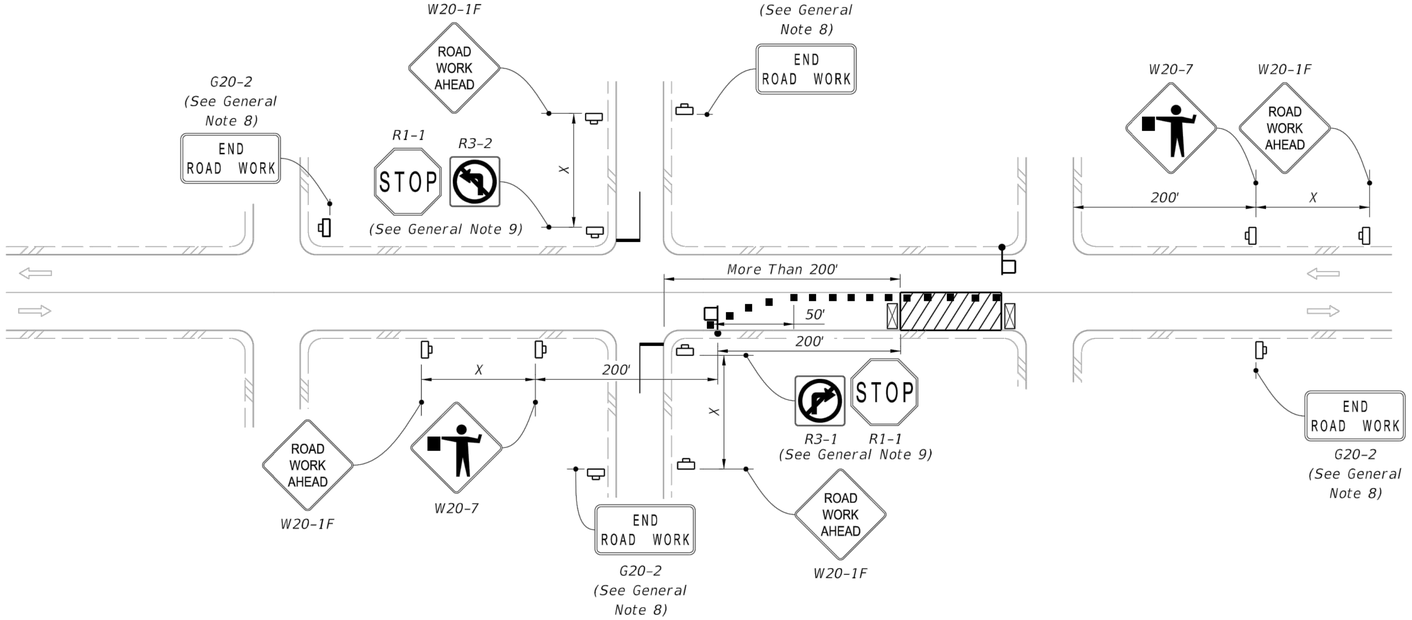
1. This Index applies to two-lane, two-way roadways with work within or near the intersection.
2. X = Work Zone Sign Spacing
   See Index 102-600 for "X" and channelizing device spacing values.
3. Optionally, use "Flagger Ahead" sign with text (W20-7A) instead of "Flagger Ahead" sign with symbol (W20-7).
4. If vehicles in a parking zone block the line of sight to TCZ signs, locate and post mount signs in accordance with Index 700-101.
5. If the work area extends across a crosswalk, close the crosswalk in accordance with Index 102-660.
6. District Traffic Operations Engineer must approve temporary signal phasing modifications prior to beginning of work
7. For unsignalized intersections, use Temporary Raised Rumble Strips in accordance with Index 102-603. Placement of Rumble Strips and additional signs should begin at FLAGGER sign location.
8. The "End Road Work" signs (G20-2) along with the associated work zone sign distances may be omitted when the work zone will be in place for 24 hours or less.
9. As an option to the "STOP" sign (R1-1) and Restricted Left/Right Turning Movement sign (R3-1 or R3-2), the "SIDE ROAD INTERSECTING THE WORK ZONE" flagging operation from Index 102-600 may be used.

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Type III Barricade
- Stop Bar
- Flagger
- Lane Identification and Direction of Traffic



LANE CLOSURE FOR WORK LESS THAN 200' FROM INTERSECTION



LANE CLOSURE FOR WORK MORE THAN 200' FROM INTERSECTION

LAST REVISION	REVISION	DESCRIPTION:
11/01/21		

FDOT FY 2022-23 STANDARD PLANS

TWO-LANE, TWO-WAY, INTERSECTION WORK

INDEX 102-604

SHEET 1 of 2

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DAVID B. TILLAR, P.E. FL. PE No. 86282
COA# 8794

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APPROVED BY	D. TILLAR
CHECKED BY	C. WILSON
DATE	MAY 2020

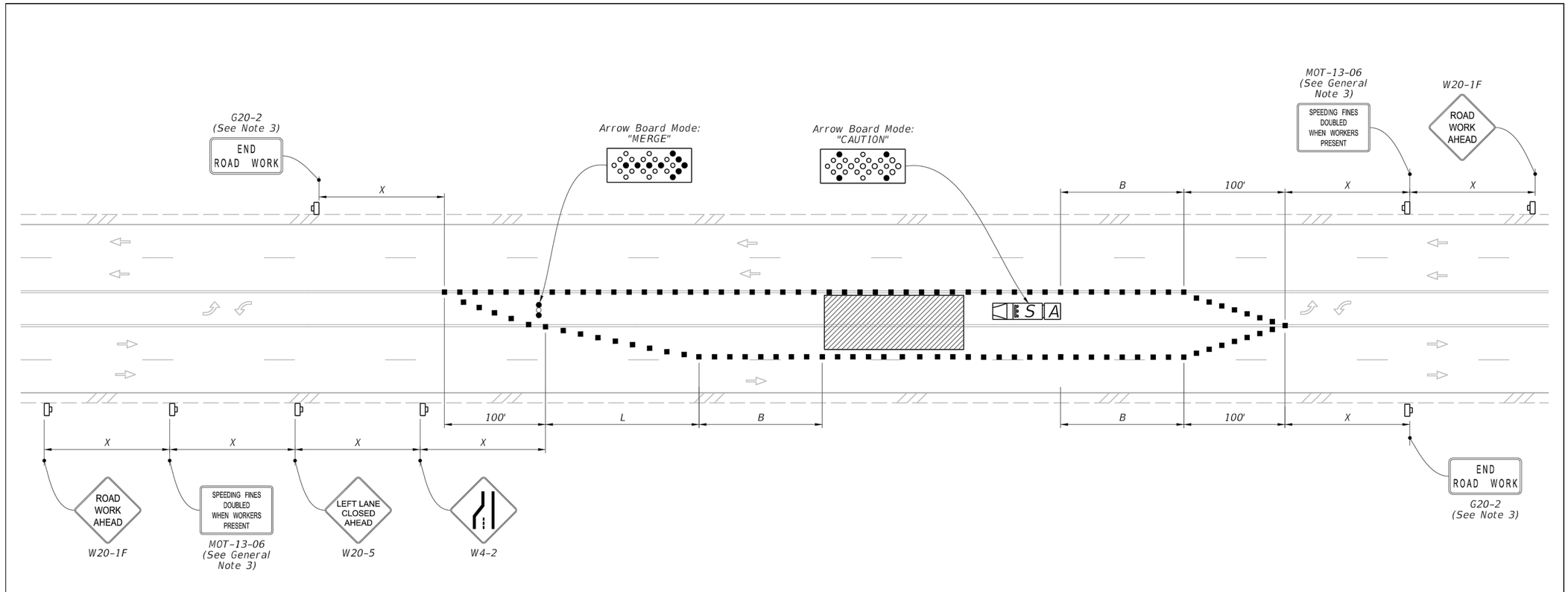
TITLE
MAINTENANCE OF TRAFFIC PLAN

PROJECT NO. 50119780

C10.3

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TEMPORARY MULTILANE, TWO-WAY LEFT-TURN LANE, TURN LANE CLOSURE
(Closure of One Inside Lane Shown, Closure of both Similar)

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Arrow Board
- Shadow (S) Vehicle With Warning Lights And Arrow Board
- Truck/Trailer Mounted Attenuator (TMA)
- Lane Identification and Direction of Traffic

GENERAL NOTES:

1. This Index applies to roadways with work in the two-way left-turn lane.

2. L = Taper Length
   X = Work Zone Sign Distance
   B = Buffer Length
   See Index 102-600 for "L", "X", "B", and channelizing device spacing values.

3. The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" Sign (G20-2), along with associated Work Zone Sign Distances, may be omitted when the work operation will be in place for 24 hours or less.

4. If closure of both inside lanes on multilane roadways is needed, duplicate lane closure and merge; signs, channelizing devices, taper, and arrow board, for both directions

LAST REVISION 11/01/21	REVISION	DESCRIPTION:	FDOT FY 2022-23 STANDARD PLANS	TWO-WAY LEFT-TURN LANES	INDEX 102-628	SHEET 1 of 3

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CITY OF PENSACOLA, FLORIDA

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FL. PE No. 86282
COA# 8794

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APPROVED BY	D. TILLAR
CHECKED BY	C. WILSON
DATE	MAY 2020

TITLE
MAINTENANCE OF TRAFFIC PLAN

PROJECT NO. 50119780

C10.4

SHEET NO.

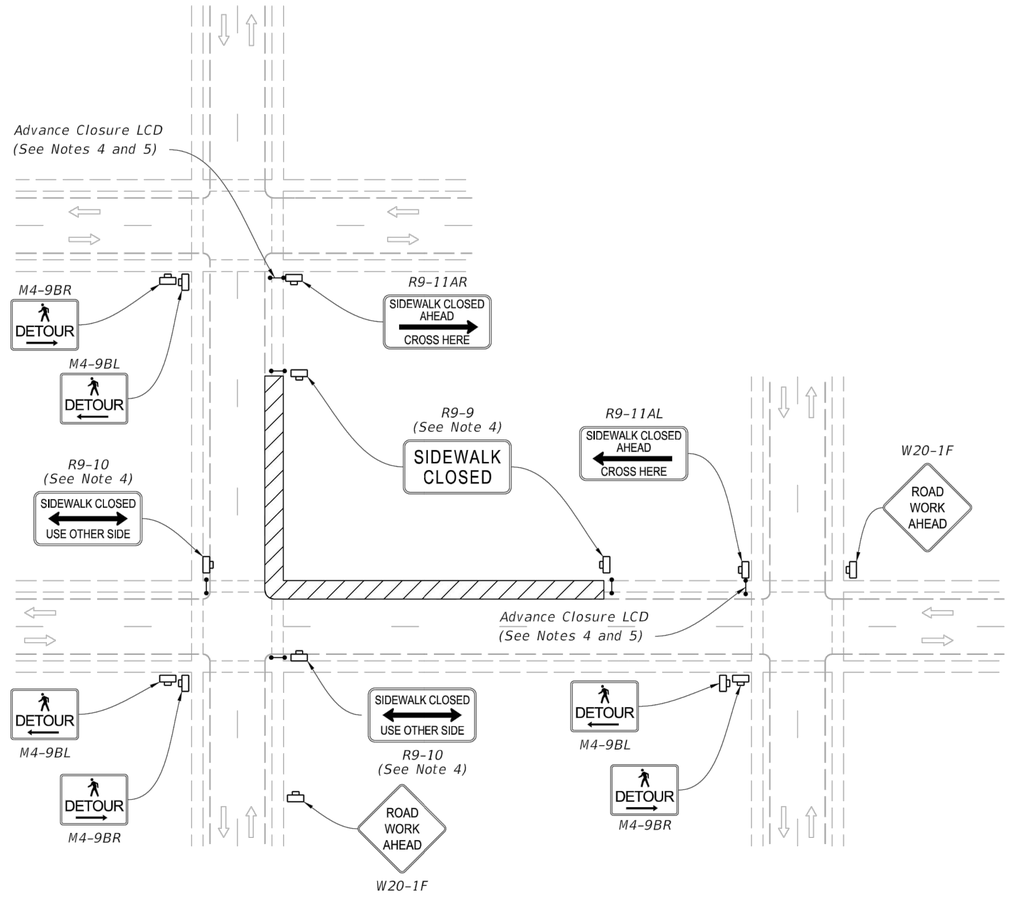
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NOTES:

1. Cover or deactivate pedestrian traffic signal display(s) controlling closed crosswalks.
2. Place pedestrian LCDs across the full width of the closed sidewalk.
3. For post mounted signs located near or adjacent to a sidewalk, maintain a minimum 7' clearance from the bottom of the sign panel to the surface of the sidewalk.
4. "Sidewalk Closed" signs (R9-XX) may be mounted on pedestrian LCDs in accordance with the manufacturer's instructions.
5. Omit the Advance Closure LCD if it blocks access to other pedestrian facilities (e,g,, transit stops, residences, or business entrances).

SYMBOLS:

- Work Area
- Work Zone Sign
- Pedestrian Longitudinal Channelizing Device (LCD)
- Lane Identification and Direction of Traffic



PEDESTRIAN DETOUR

LAST REVISION	REVISION	DESCRIPTION:	FDOT FY 2022-23 STANDARD PLANS	SIDEWALK CLOSURE	INDEX	SHEET
11/01/20					102-660	1 of 2

Dewberry

139 E. GOVERNMENT STREET
PENSACOLA, FL 32502
(850) 760-0332

HASHTAG CONNECTOR PROJECT
PHASE ONE
MAIN STREET REVITALIZATION
CITY OF PENSACOLA, FLORIDA

SEAL

NOT APPROVED UNLESS ACCOMPANIED WITH A VALID SIGNATURE

DAVID B. TILLAR, P.E.
FL. PE No. 86282

COA# 8794

BID SET
NOT FOR CONSTRUCTION

SCALE

AS SHOWN

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY	G.P. EDWARDS
APPROVED BY	D. TILLAR
CHECKED BY	C. WILSON
DATE	MAY 2020

TITLE

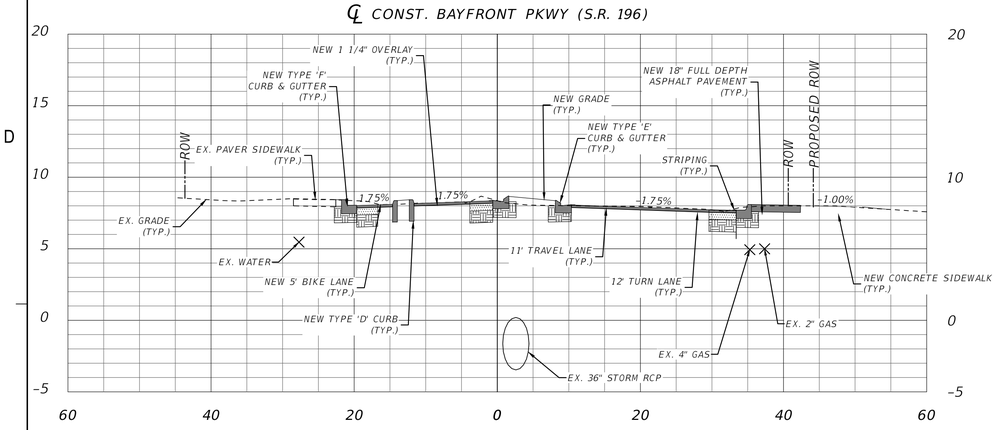
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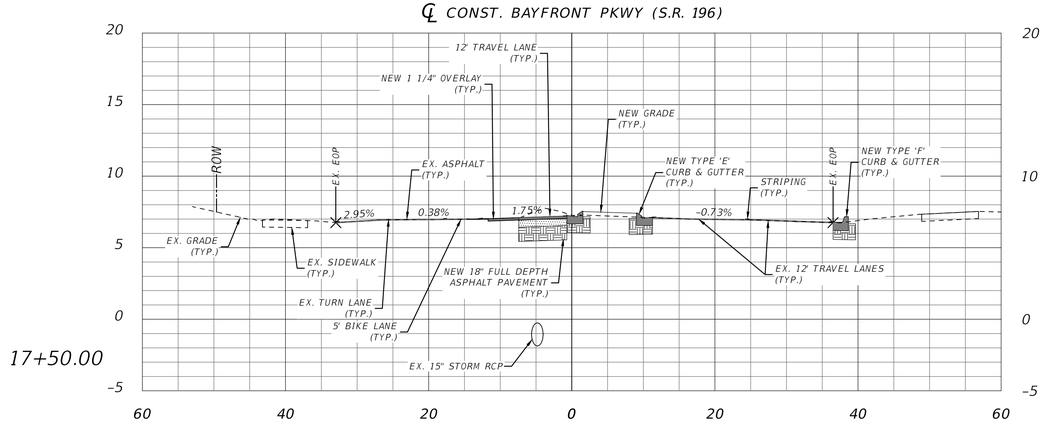
PROJECT NO. 50119780

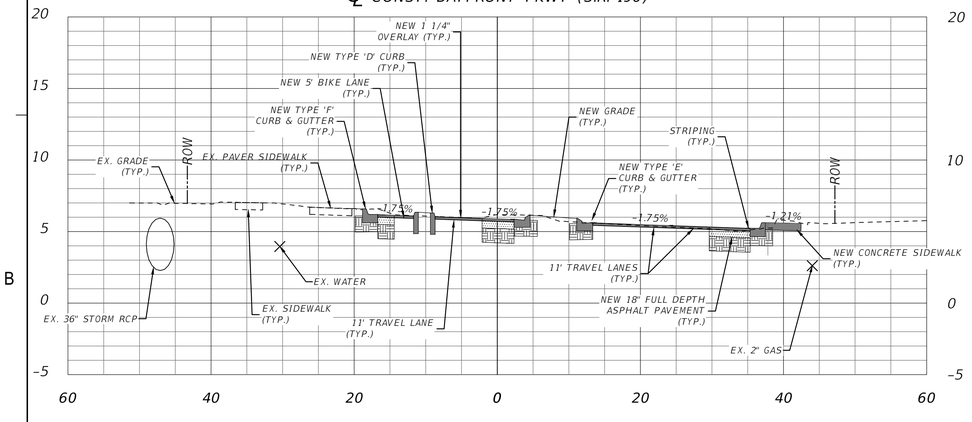
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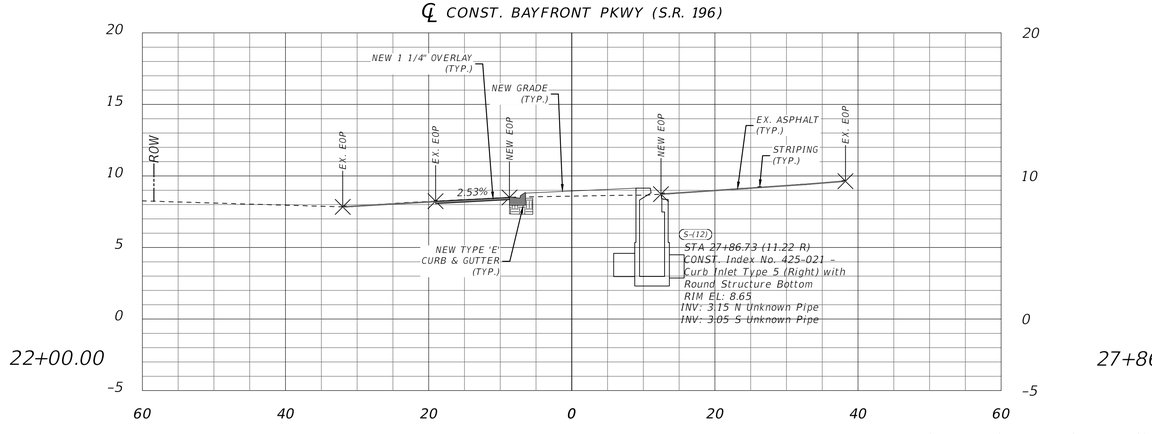
SHEET NO.

12/3/2021 10:39:34 AM - Q:\50119780 CITY OF PENSACOLA HASHTAG CONNECTOR PROJECT-PHASE ONE MAIN STREET\2 - DESIGN PHASE SERVICES\CAD\CIVIL\2 PLANS\MOT.DWG









10' 0 10' 20'

SCALE: 1"=10' (Horiz.)

5' 0' 5' 10'

SCALE: 1"=5' (Vert.)

Dewberry

139 E. GOVERNMENT STREET
PENSACOLA, FL 32502
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HASHTAG CONNECTOR PROJECT
PHASE ONE
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CITY OF PENSACOLA, FLORIDA

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DAVID B. TILLAR LICENSE No. 86282 STATE OF FLORIDA PROFESSIONAL ENGINEER

DAVID B. TILLAR, P.E. FL. PE No. 86282 COA# 8794

BID SET
NOT FOR CONSTRUCTION

SCALE

AS SHOWN

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY	G.P. EDWARDS
APPROVED BY	D. TILLAR
CHECKED BY	C. WILSON
DATE	MAY 2020

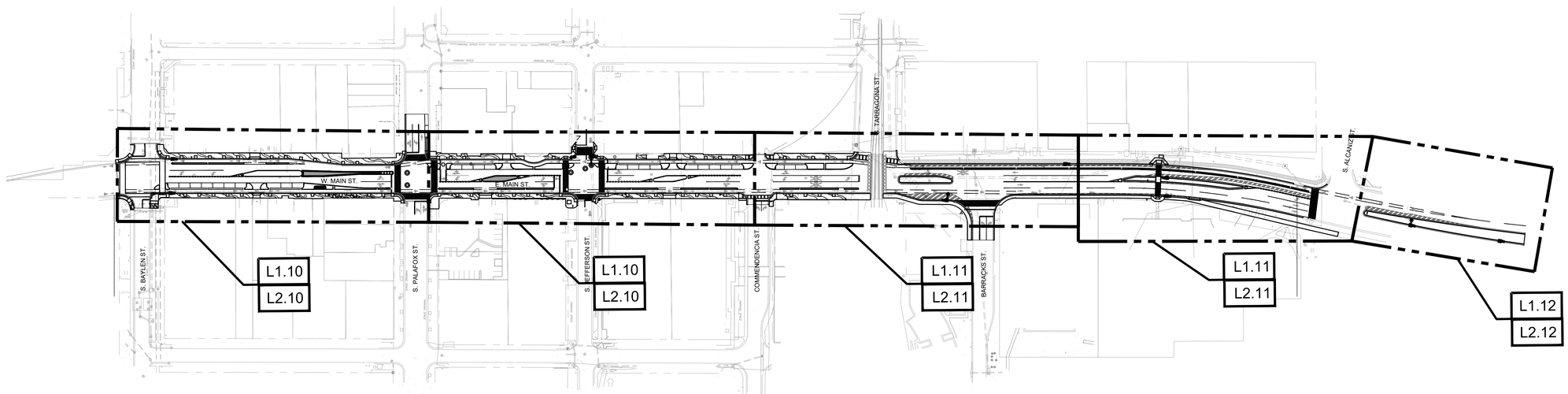
TITLE

FDOT CROSS SECTIONS

PROJECT NO. 50119780

C11.0

SHEET NO.



OVERALL PLAN

SCALE: 1"=80'-0"

Dewberry

139 E. GOVERNMENT STREET
PENSACOLA, FL 32502
(850) 760-0332

HASHTAG CONNECTOR PROJECT
PHASE ONE
MAIN STREET REVITALIZATION

CITY OF PENSACOLA, FLORIDA

SEAL

BID SET
NOT FOR CONSTRCUTION

SCALE

0' 100' 200'

N

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY	GZ
APPROVED BY	MJU
CHECKED BY	MJU
DATE	MAY 2020

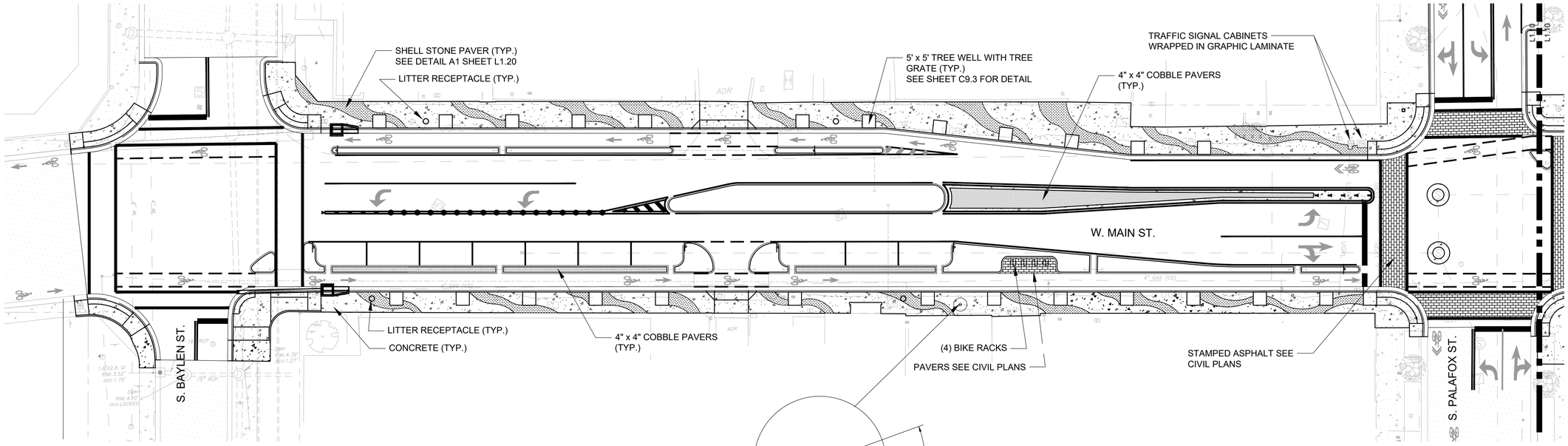
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OVERALL PLAN

PROJECT NO. 50119780

L1.00

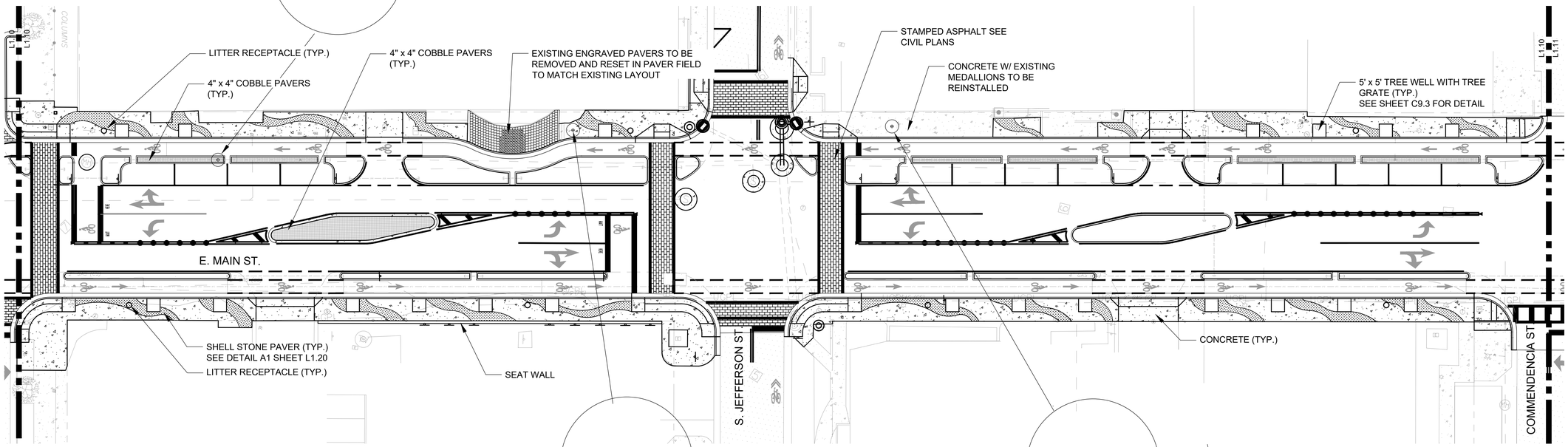
SHEET NO.



HARDSCAPE PLAN

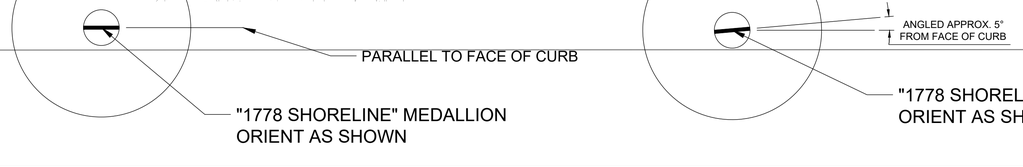
SCALE: 1"=20'-0"





HARDSCAPE PLAN

SCALE: 1"=20'-0"



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139 E. GOVERNMENT STREET
PENSACOLA, FL 32502
(850) 760-0332

HASHTAG CONNECTOR PROJECT
PHASE ONE
MAIN STREET REVITALIZATION
CITY OF PENSACOLA, FLORIDA

SEAL

BID SET
NOT FOR CONSTRCUTION

SCALE
0' 20' 40'
N

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY	GZ
APPROVED BY	MJU
CHECKED BY	MJU
DATE	MAY 2020

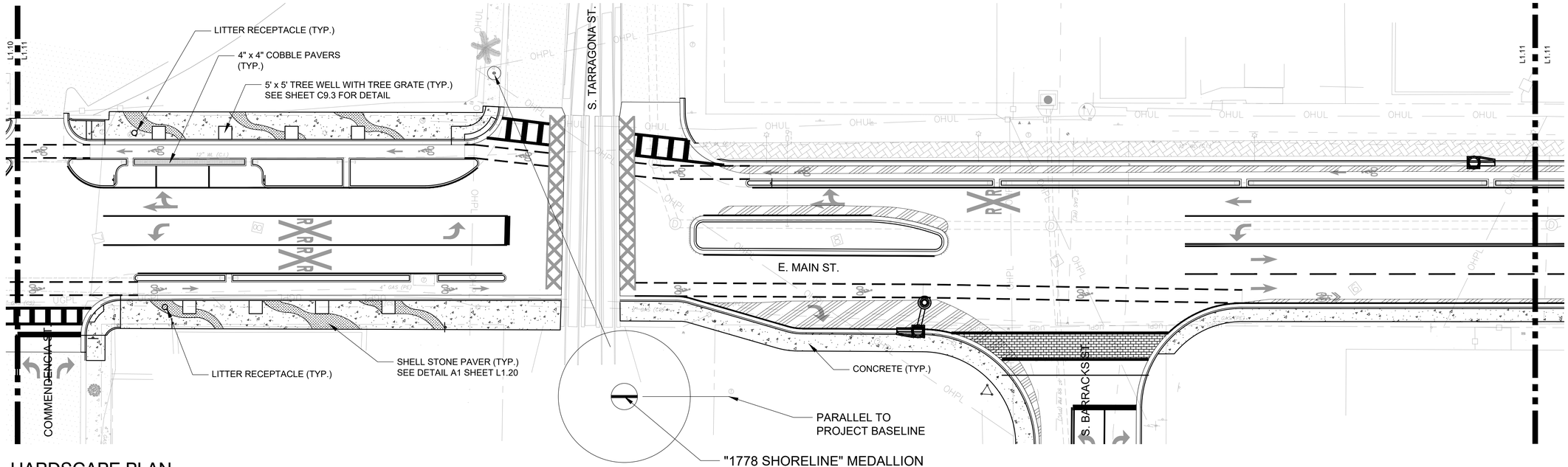
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HARDSCAPE PLAN

PROJECT NO. 50119780

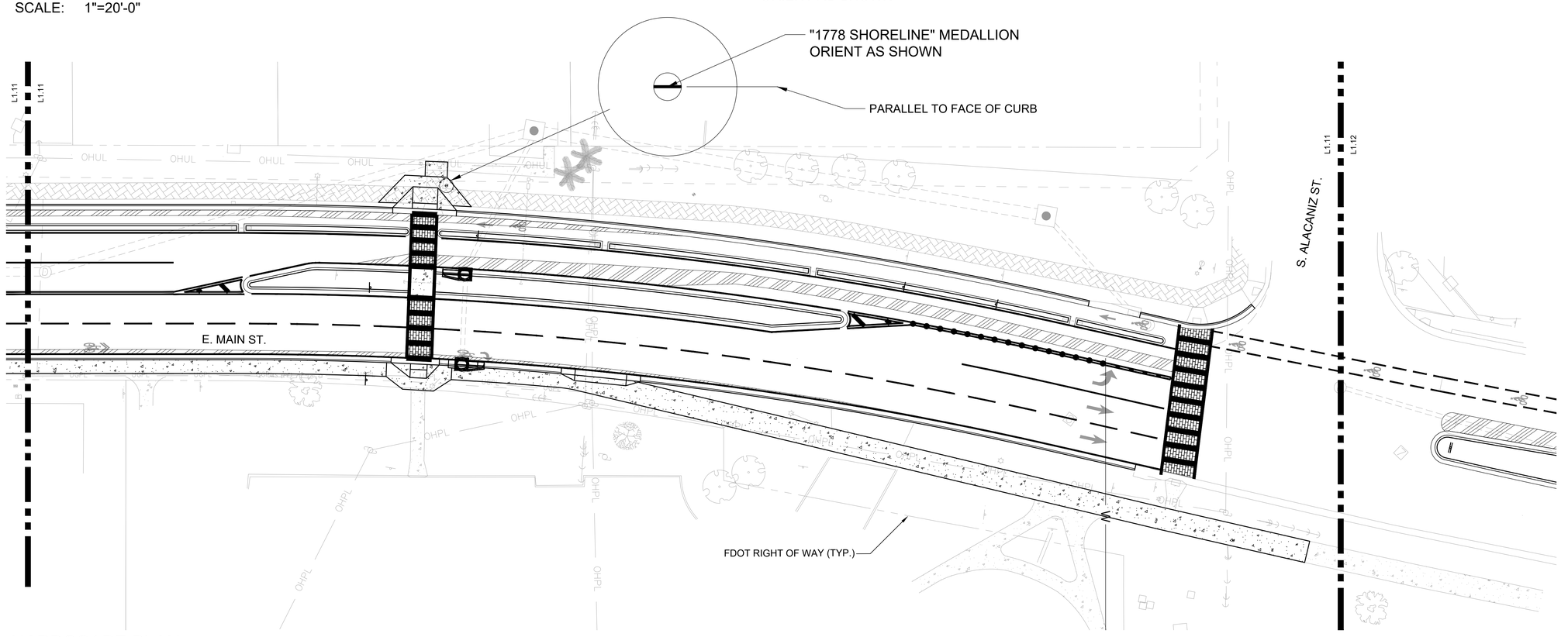
L1.10

SHEET NO.



HARDSCAPE PLAN

SCALE: 1"=20'-0"



HARDSCAPE PLAN

SCALE: 1"=20'-0"

Dewberry

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PENSACOLA, FL 32502
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HASHTAG CONNECTOR PROJECT
PHASE ONE
MAIN STREET REVITALIZATION
CITY OF PENSACOLA, FLORIDA

SEAL

BID SET
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SCALE

0' 20' 40'

N

REVISIONS

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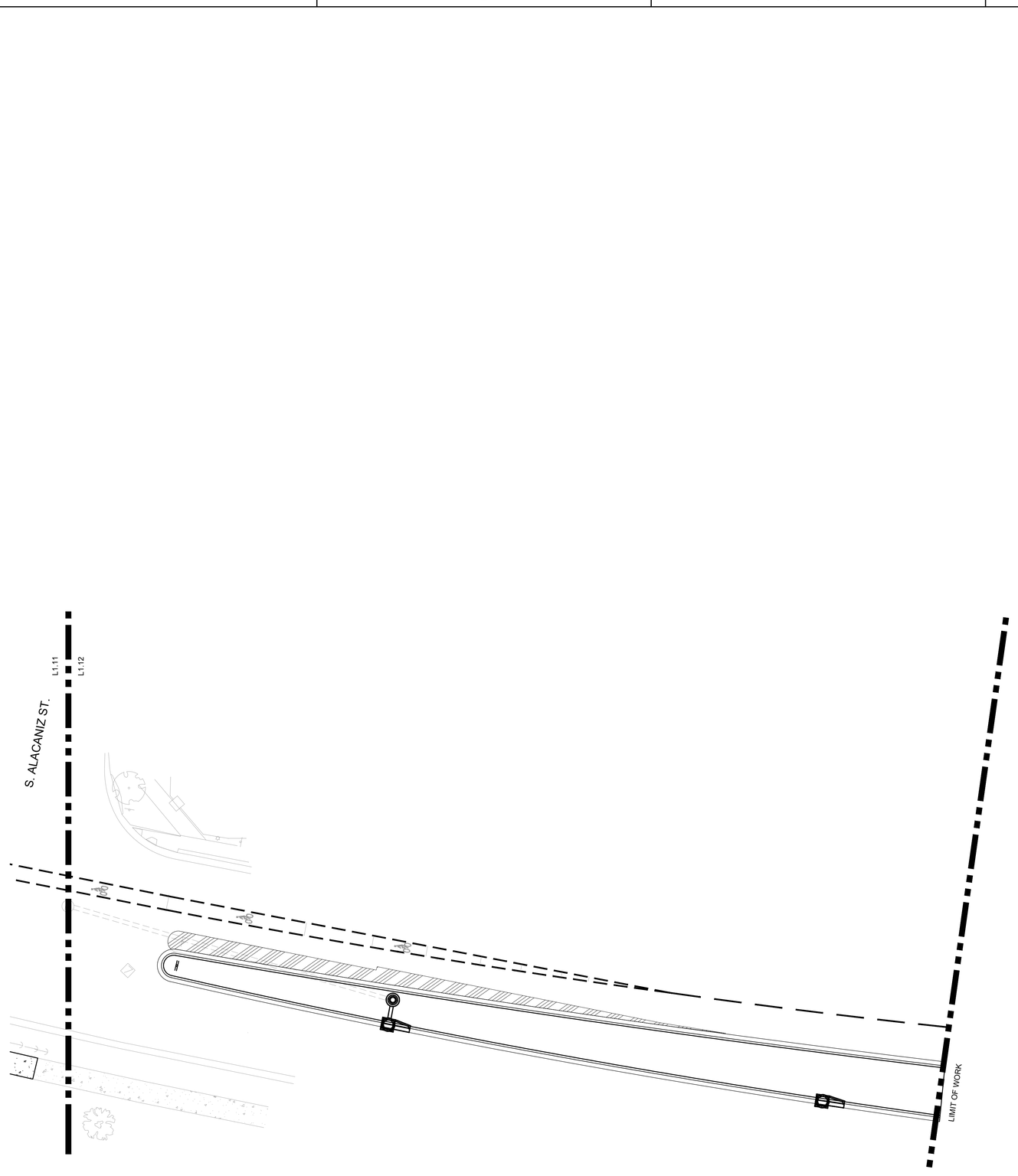
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HARDSCAPE PLAN

PROJECT NO. 50119780

L1.11

SHEET NO.



HARDSCAPE PLAN

SCALE: 1"=20'-0"

Dewberry

139 E. GOVERNMENT STREET
PENSACOLA, FL 32502
(850) 760-0332

HASHTAG CONNECTOR PROJECT
PHASE ONE
MAIN STREET REVITALIZATION

CITY OF PENSACOLA, FLORIDA

SEAL

BID SET
NOT FOR CONSTRCUTION

SCALE

0' 20' 40'

N

REVISIONS

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DRAWN BY	GZ
APPROVED BY	MJU
CHECKED BY	MJU
DATE	MAY 2020

TITLE

HARDSCAPE PLAN

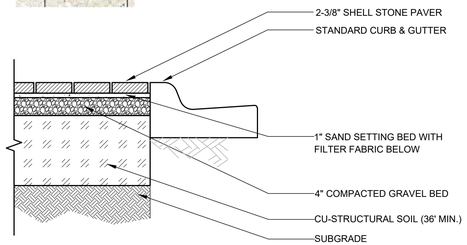
PROJECT NO. 50119780

L1.12

SHEET NO.



SHELL STONE PAVER DETAIL
MANUFACTURER: NATIONAL BRICK PAVERS
PRODUCT: OCEANSIDE SHELL STONE PAVER
COLOR: CREAM
SIZE: 4" x 8" x 2 3/8"
WEBSITE: WWW.BRICKSANDBLOCKS.COM



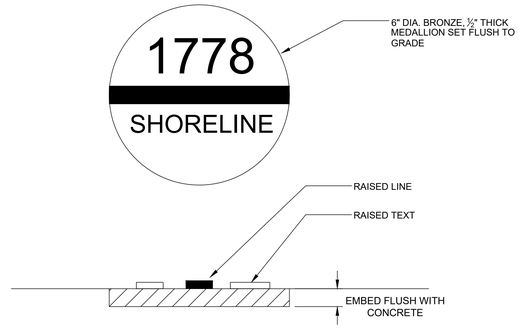
1. WAVE PATTERN SHALL BE RUNNING BOND SET PARALLEL TO BACK OF CURB EAST OF S. BAYLEN STREET. PAVERS SHALL RUN IN SAME ORIENTATION DOWN ROAD REGARDLESS OF DIRECTION OF CURB.
2. PAVERS TO BE INSTALLED AFTER CONCRETE HAS BEEN POURED AND SET.
3. PATTERN TO BE SET TO REDUCE SMALL CUTS AT EDGE WHEN POSSIBLE.

A1 / L1.20 SHELL STONE PAVER DETAIL
SCALE: N.T.S.



- 3000K TO 4000K LED MULTIDIRECTIONAL FIXTURE
- ASTRONOMICAL CLOCK CONTROL WITH ENCRYPTED WIRELESS RELAY TO OTHER FIXTURES
- DARK SKY COMPLIANT
- POLES SHALL HAVE A MINIMUM DIAMETER OF 5-INCH AND MAXIMUM DIAMETER OF 8-INCH
- HEAVY DUTY BASE SUPPORTING A 12-FOOT POLE
- POLE SHALL HAVE CAVITY SPACE CAPABLE TO ALLOW SINGLE USER INTERFACE LIGHT CONTROLS AND SENSOR EXPANDABLE EQUIPMENT
- COLOR AND CAP STYLE TO BE SELECTED BY THE OWNER
- 10-YEAR WARRANTY OR BETTER REQUIRED

A2 / L1.20 STREET LIGHT
SCALE: N.T.S.



A3 / L1.20 1178 SHORELINE MEDALLION
SCALE: N.T.S.



MANUFACTURER: LANDSCAPE FORMS
PRODUCT: FLO BIKE RACK
MATERIAL: STAINLESS STEEL WITH #4 ELECTRO-POLISH FINISH
COLOR: SILVER
WEBSITE: WWW.LANDSCAPEFORMS.COM

LOCATIONS AND QUANTITY AS PER PLAN.

B1 / L1.20 BIKE RACK DETAIL
SCALE: N.T.S.



MANUFACTURER: LANDSCAPE FORMS
PRODUCT: 69" BACKED NEOLIVIANO BENCH
MATERIAL: ANODIZED ALUMINUM FRAME WITH THERMALLY MODIFIED ASH SLATS
FRAME COLOR: ALUMINUM
WEBSITE: WWW.LANDSCAPEFORMS.COM

THREE BENCHES TO BE PROVIDED. FINAL LOCATIONS TO BE APPROVED BY CITY.

B2 / L1.20 BENCH DETAIL
SCALE: N.T.S.



MANUFACTURER: LANDSCAPE FORMS
PRODUCT: LAKESIDE - GRASS SIDE OPENING LITTER RECEPTACLE
MATERIAL: SILVER POWDERCOATED METAL
FRAME COLOR: SILVER
WEBSITE: WWW.LANDSCAPEFORMS.COM

LOCATIONS AND QUANTITY AS PER PLAN.

B3 / L1.20 TRASH RECEPTACLE DETAIL
SCALE: N.T.S.

Dewberry
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HASHTAG CONNECTOR PROJECT
PHASE ONE
MAIN STREET REVITALIZATION
CITY OF PENSACOLA, FLORIDA

SEAL

BID SET
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SCALE

REVISIONS

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DATE	MAY 2020

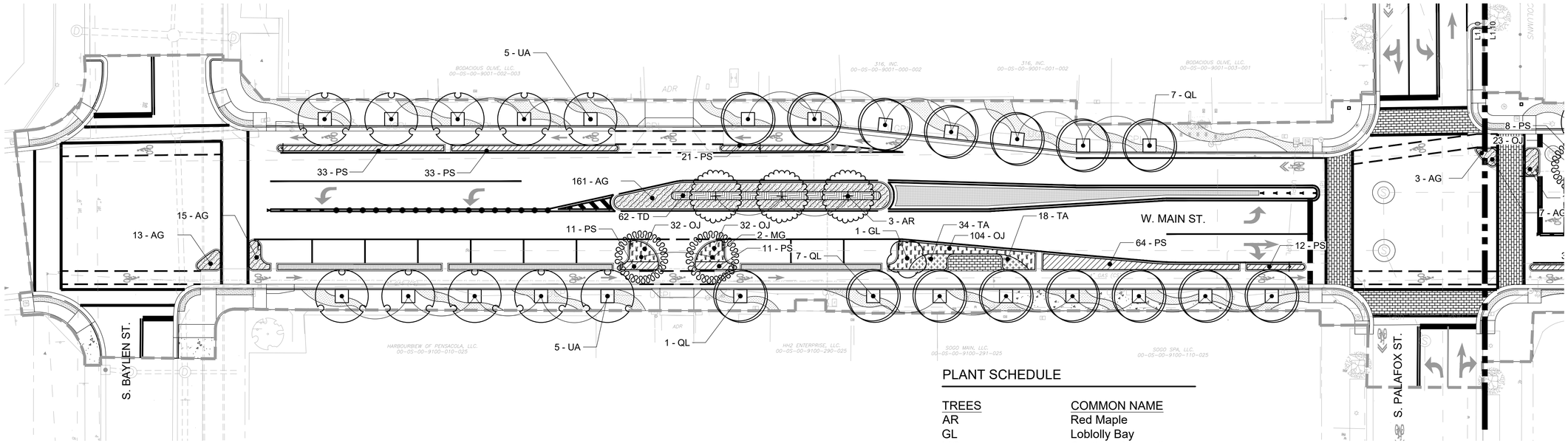
TITLE

HARDSCAPE DETAILS

PROJECT NO. 50119780

L1.20

SHEET NO.



LANDSCAPE PLAN

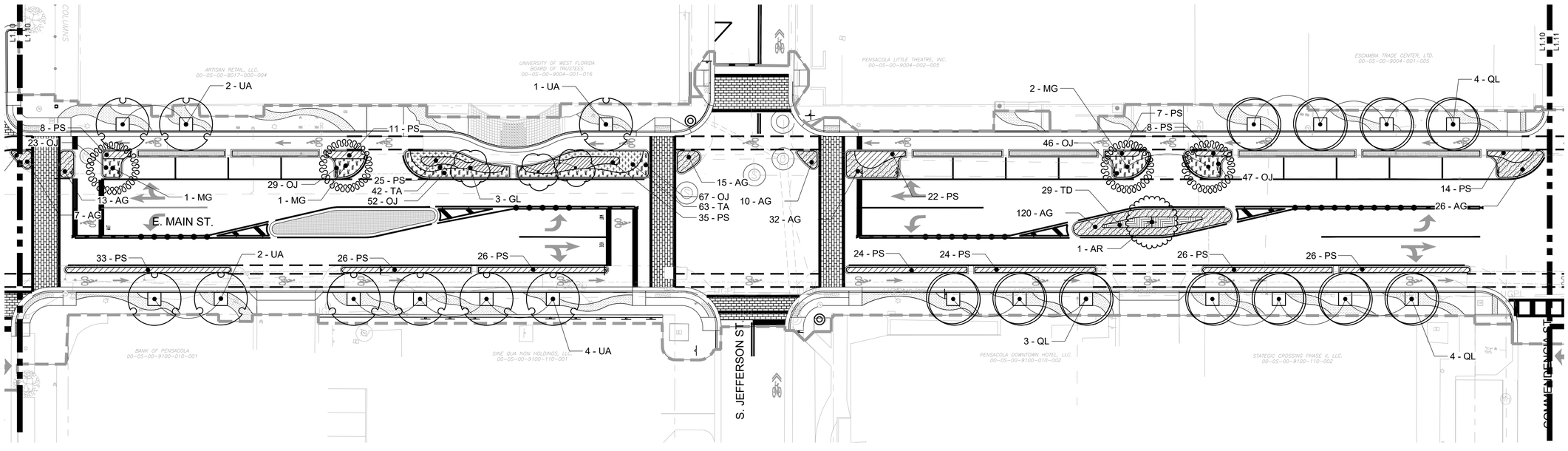
SCALE: 1"=20'-0"

PLANT SCHEDULE

TREES	COMMON NAME
AR	Red Maple
GL	Loblolly Bay
MG	Southern Magnolia
MV	Sweet Bay
QL	Overcup Oak
QS	Shumard Oak
UA	Winged Elm

SHRUB AREAS	COMMON NAME
PS	Switch Grass
TD	Florida Gamagrass

GROUND COVERS	COMMON NAME
AG	Perennial Peanut
OJ	Mondo Grass
TA	Asian Jasmine



LANDSCAPE PLAN

SCALE: 1"=20'-0"

Dewberry
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HASHTAG CONNECTOR PROJECT
PHASE ONE
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CITY OF PENSACOLA, FLORIDA

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SCALE
0' 20' 40'
N

REVISIONS

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DATE	MAY 2020

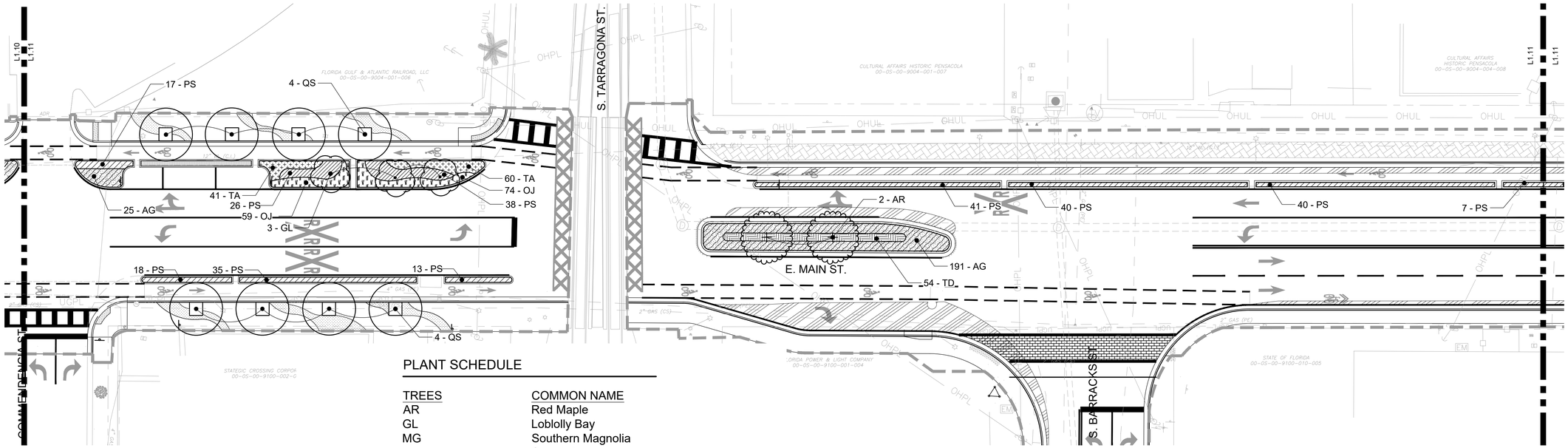
TITLE

LANDSCAPE PLAN

PROJECT NO. 50119780

L2.10

SHEET NO.



LANDSCAPE PLAN

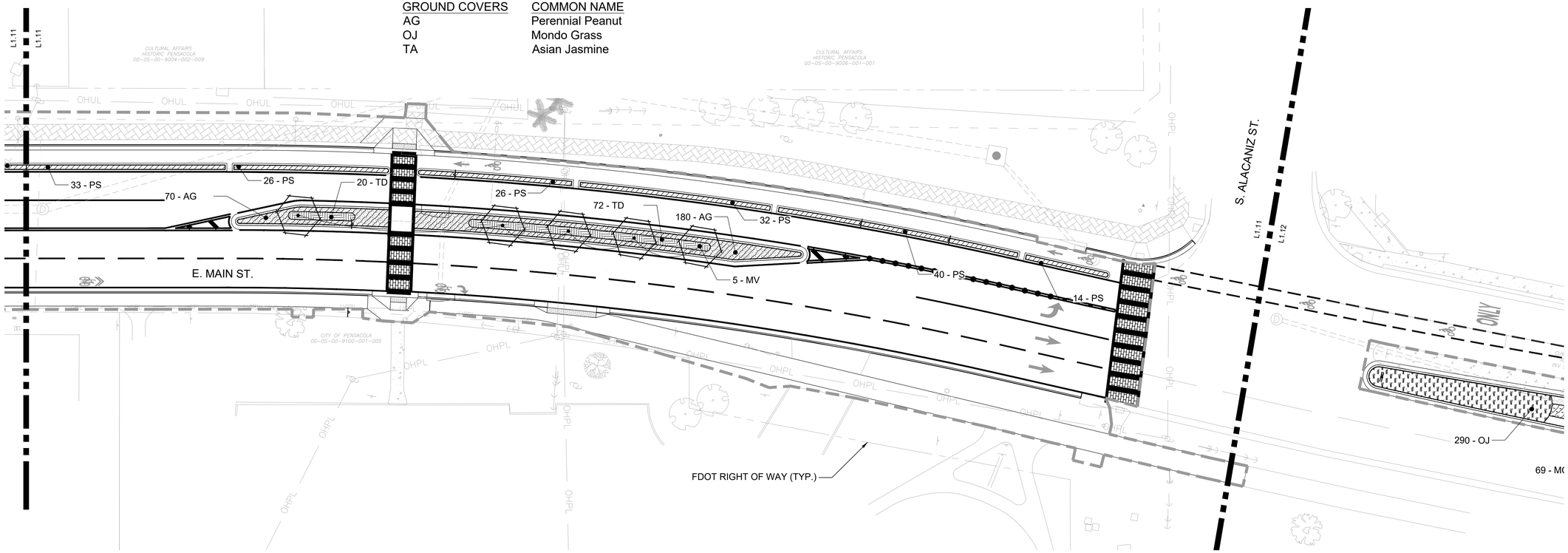
SCALE: 1"=20'-0"

PLANT SCHEDULE

TREES	COMMON NAME
AR	Red Maple
GL	Loblolly Bay
MG	Southern Magnolia
MV	Sweet Bay
QL	Overcup Oak
QS	Shumard Oak
UA	Winged Elm

SHRUB AREAS	COMMON NAME
PS	Switch Grass
TD	Florida Gamagrass

GROUND COVERS	COMMON NAME
AG	Perennial Peanut
OJ	Mondo Grass
TA	Asian Jasmine



LANDSCAPE PLAN

SCALE: 1"=20'-0"

Dewberry
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HASHTAG CONNECTOR PROJECT
PHASE ONE
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CITY OF PENSACOLA, FLORIDA

SEAL

BID SET
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SCALE
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REVISIONS

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DATE	MAY 2020

TITLE

LANDSCAPE PLAN

PROJECT NO. 50119780

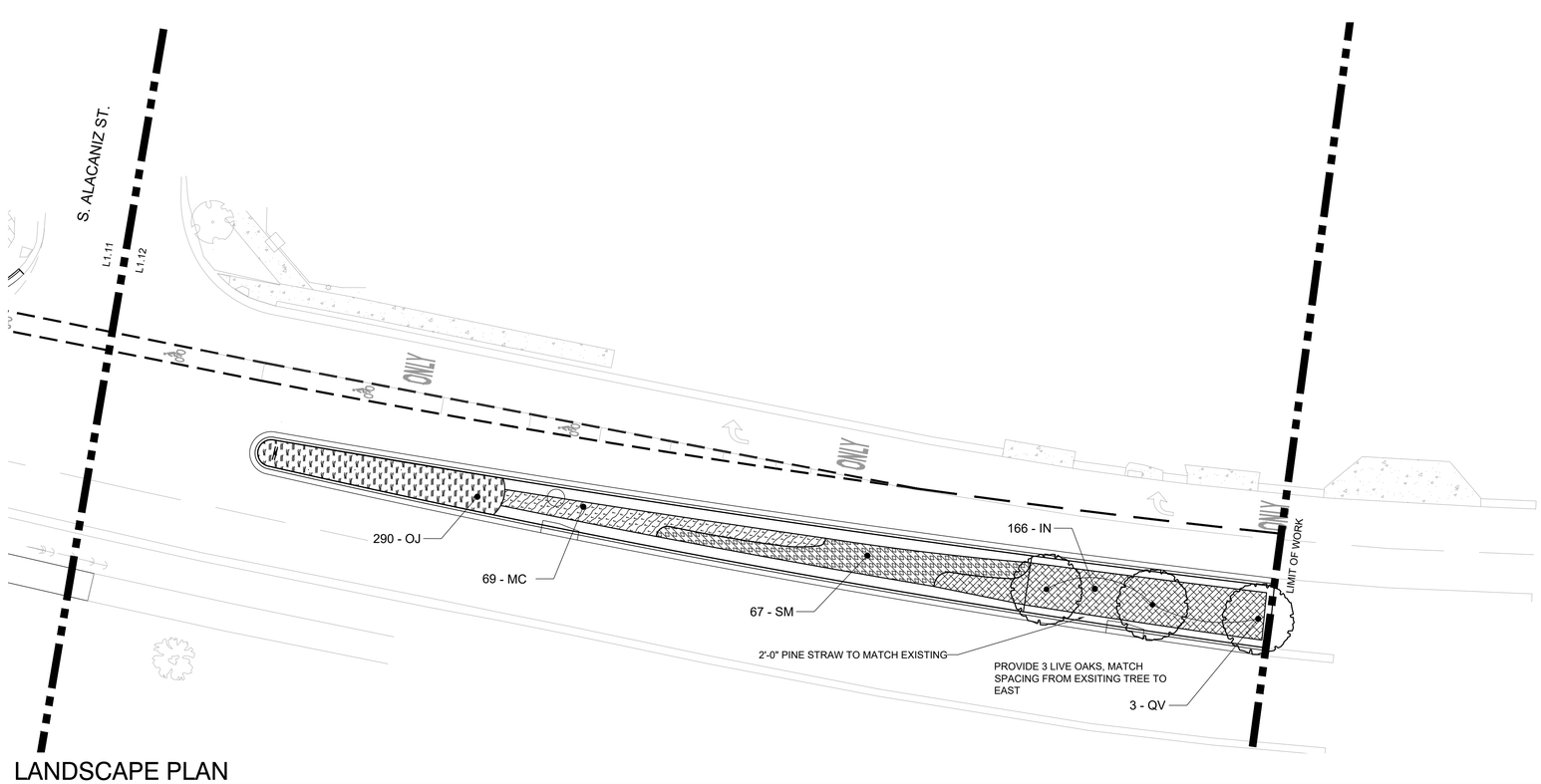
L2.11

SHEET NO.

PLANT SCHEDULE

TREES	COMMON NAME
QV	Southern Live Oak

SHRUB AREAS	COMMON NAME
IN	Dwarf Yaupon Holly
MC	Pink Muhly Grass
SM	Dwarf Palmetto



LANDSCAPE PLAN

SCALE: 1"=20'-0"

Dewberry

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CITY OF PENSACOLA, FLORIDA

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APPROVED BY	MJU
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TITLE

LANDSCAPE PLAN

PROJECT NO. 50119780

L2.12

SHEET NO.

LANDSCAPE NOTES:

1. The landscape Contractor shall be responsible for all materials and all work as called for on the Landscape Plans and in the Landscape Specifications. In the event of variation between quantities shown on plant list and the plans, the plans shall control. The Landscape Contractor shall verify all quantities and report any discrepancies at the time of bidding.
2. The Landscape Contractor shall review architectural/engineering plans and become thoroughly familiar with surface and subsurface utilities.
3. Every possible safeguard shall be taken to protect building surfaces, equipment and furnishings. The Landscape Contractor shall be responsible for any damage or injury to person or property which may occur as a result of negligence in the execution of the work.
4. The work shall be coordinated with other trades to prevent conflicts. Coordinate the planting with the irrigation work to assure availability and proper location of irrigation items and plants.
5. All planting shall be performed by personnel familiar with planting procedure and under the supervision of a qualified planting foreman.
6. All plant material shall be graded Florida No. 1 or better as outlined under Grades and Standards for Nursery Plants, Part I and II, published by the Florida Department of Agriculture and Consumer Services.
7. The Landscape Architect or Owner shall have the right, at any stage of the operations, to reject any and all work and materials which, in his opinion, do not meet with the requirements of these specifications.
8. Except as otherwise specified, the Landscape Contractor's work shall conform to accepted horticultural practices as used in the trade.
9. The minimum acceptable size of all plants, measured after pruning, with branches in normal positions, shall conform to the measurements specified on the plant list or as indicated on the landscape drawing. Height and spread dimensions refer to main body of the plant and not extreme branch tip to tip. The caliper of tree trunks is to be taken one foot above the ground level for trees 4" and larger and 6" above ground for trees less than 4".
10. Plants shall be protected upon arrival at the site, by being thoroughly watered and properly maintained until planted.
11. All tree pits shall be excavated to size and depth in accordance with the USDA Standard for Nursery Stock 260.1, unless shown otherwise on the drawings, and backfilled with the specified planting soil. The Landscape Contractor shall test fill all tree pits with water before planting to assure proper drainage percolation is available.
12. The Landscape Contractor shall be responsible for proper watering of all plants. All plants shall be thoroughly watered at time of planting and kept adequately watered until time of acceptance. It shall be the Landscape Contractor's responsibility to assure that plants are not over watered.
13. It shall be the Landscape Contractor's responsibility to prevent plants from falling or being blown over, to re-straighten and replant all plants which lean or fall and to replace all plants which are damaged due to lack of proper guying or staking. The Landscape Contractor shall be legally liable for any damage caused by instability of any plant material.
14. All trees and all palms shall be guyed or staked or braced. The Landscape Contractor shall determine which small or multi-trunk trees need to be guyed and staked to maintain plumb. Staking of trees and shrubs, if required, shall be done as per staking and guying detail prepared by the Landscape Architect. It shall be the responsibility of the Landscape Contractor to remove guys and stakes from the trees and job site after a period of 90 days.
15. Plants blown over by high winds, within the guaranteed period, shall not be cause for additional expense to the Owner, but shall be the responsibility of the Landscape Contractor. Damaged plants shall be replaced by the Landscape Contractor at no additional cost to the Owner.
16. Sod shall be certified to be free of the imported fire ant. Sod shall have a clean growth of acceptable grass, reasonably free of weeds with not less than 1 1/2" of soil firmly adhering to roots. It shall be the responsibility of the Landscape Contractor to measure and determine the exact amount required. This amount shall be verified with the Owner or Landscape Architect before installation.
17. The Landscape Contractor shall insure adequate vertical drainage in all plant beds, planters, and sod areas. Vertical drilling through any compacted fill to native soil shall be accomplished to insure drainage. If well drained fill is necessary to assure positive drainage, this issue shall be brought up by the Landscape Contractor at time of bidding.
18. The Landscape Contractor shall insure that his work does not interrupt established or projected drainage patterns.
19. The Landscape Contractor shall prune, shape and remove dead foliage/limbs from existing plant material to remain. Confirm with the Landscape Architect or Owner the extent of work required at time of bidding.
20. Mulch - All plant beds shall be top dressed with 3" shredded hardwood mulch (or approved equal).
21. MAINTENANCE PRIOR TO FINAL INSPECTION AND ACCEPTANCE:
    a. Maintenance shall commence after each plant is planted and the maintenance period shall continue until the job or specific phase of the job is accepted by the Landscape Architect or Owner. Extreme care shall be taken to instruct the Owner or his representatives in general maintenance procedures.
    b. Plant maintenance shall include watering, pruning, weeding, cultivating, mulching, tightening, and repairing of guys, replacement of sick or dead plants, resetting plants to proper grades or upright positions and restoration of the planting saucer and all other care needed for proper growth of the plants.
    c. During the maintenance period and up to the date of final acceptance, the Landscape Contractor shall do all seasonal spraying and/or dusting of trees and shrubs. Upon completion of all planting, an inspection for acceptance of work will be held. The Landscape Contractor shall notify the Landscape Architect or Owner for scheduling of the inspection 10 days prior to the anticipated date.
    d. At the time of the inspection, if all of the materials are acceptable, a written notice will be given by the Landscape Architect or Owner to the Landscape Contractor Stating the date when the Maintenance Period ends.

    GUARANTEE AND REPLACEMENT:
    e. All plant materials shall be guaranteed for one (1) year from the time of final inspection and interim acceptance shall be alive and in satisfactory growth for each specific kind of plant at the end of the guaranteed period.
    f. At the end of the guarantee period, any plant required under this contract that is dead or not in satisfactory growth, as determined by the Owner or the Landscape Architect, shall be removed and replaced. Replacement plants shall have an extended guarantee, as noted above, from time of replacement.
    g. All replacements shall be planted of the same kind and size as specified on the plant list. They shall be the responsibility of the Landscape Contractor.
22. CU-Structural Soil® is patented by Cornell University. Licensed Producer: Amereq. Inc. Website: www.amereq.com

TOPSOIL MIX FOR MEDIANS AND ISLANDS

All material shall be suitable for plant growth. The organic matter content of the soil layer after mixing shall be a minimum of 2.5%, a maximum of 10%, in accordance with

FM 1-T-267 and have a pH value of 5.5 or greater and less than or equal to7.0 as determined in accordance with FM 5-550. The organic matter content shall be created using any of the following materials.

Materials.

Soil layer materials may be obtained from either, or a combination of, the following sources:

1. Excavation within the limits of construction on the project. Such material may be stockpiled or windrowed on the project in areas approved by the Engineer.
2. Designated borrow pits for the project.
3. From other sources of organic soil materials provided by the Contractor.

Organic Soil: This may consist of muck, mucky peat and peat and shall have an organic matter content of 30% or more if the mineral fraction is more than 50% clay, or more than 20% organic matter if the mineral fraction has no clay.

Compost: Meet the requirements of Florida Department of Environmental Protection Rule 62.709.550 Type Y (yard waste), Type YM (yard waste and manure), Type A (municipal solid waste compost) or Rule 62.640.850 Type AA (composted biosolids) and have unrestricted distribution.

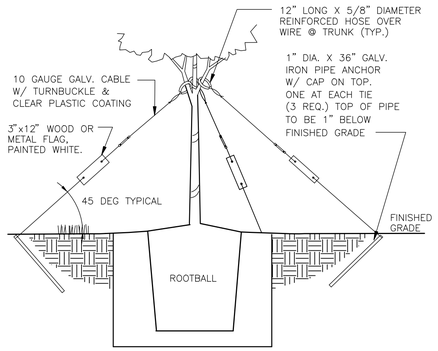
Compost for use as a Soil Amendment: If the electrical conductivity (EC) value of the compost exceeds 4.0dS (mmhos/cm) based on the saturated paste extract method, the compost shall be leached with water prior to application.

Compost for use as a Mulch: The compost shall contain no foreign matter, such as glass, plastic or metal shards. The compost shall be slightly coarse to coarse in nature (over half of the solids shall be from particles 1/2 inches in size and no greater than 6 inches). Preference shall be given to compost or mulch made from uncontaminated woody waste materials.

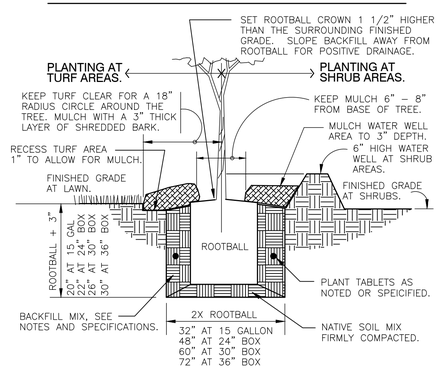
Landscape Soil: Landscape soil must be sandy loam or loamy sand with properties of AASHTO classification A-2-4 or A-4. The soil must have an organic matter content of 5 to 10% using the loss on ignition (LOI) test in accordance with FM 1-T267 from a soil testing laboratory approved in accordance with 105-7. Soil must be free of litter and deleterious substance such as cans, debris, particles greater than 0.50 inches, and rinsate containing lime or toxic materials.

Soil must be free of noxious plants or propagules of plants listed in Florida Rule 5B-57.007, and invasive exotic plants listed under Category I Florida Exotic Plant Pest Council.

Where shown in the Plans or when approved by the Engineer, existing soil may be amended with compost or biosolids to meet the requirements of this Section. Use compost in accordance with FDEP Rule 62.709.550 and 62.709.600. Use biosolids in accordance with Florida Rule 62.640.850.



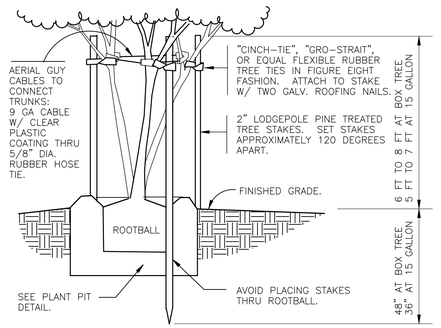
STAKING DETAIL



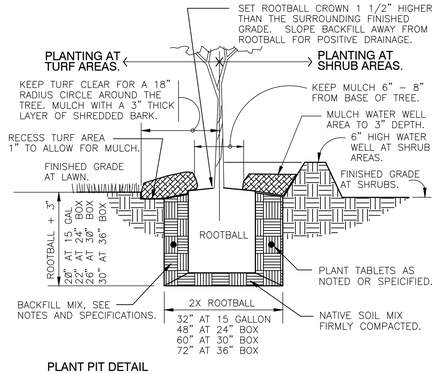
PLANT PIT DETAIL

1 TREE GUY WIRE PLANTING

1" = 1'–0" 329343.26–03



STAKING DETAIL

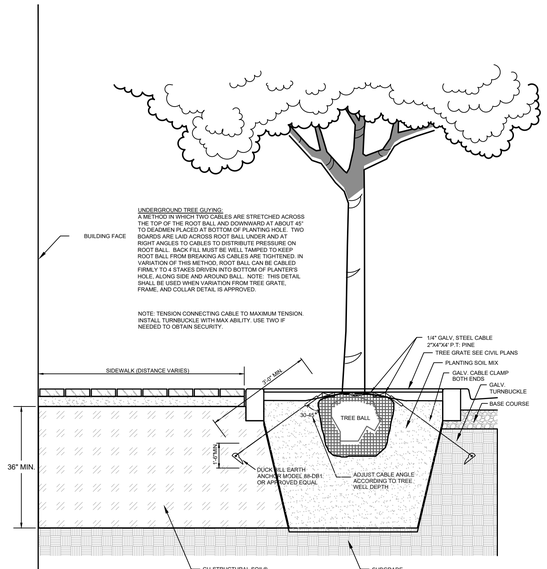


PLANT PIT DETAIL

2 TREE PLANTING MULTI-STAKE

1" = 1'–0" 329343.23–03

NOTE:
CU-STRUCTURAL SOIL®
PATENTED BY CORNELL UNIVERSITY
LICENSED PRODUCER: AMEREQ INC.
WEBSITE: WWW.AMEREQ.COM

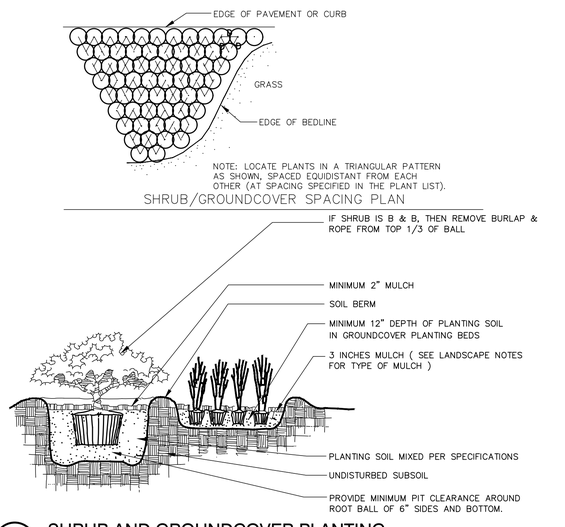


3 STREET TREE DETAIL

N.T.S.

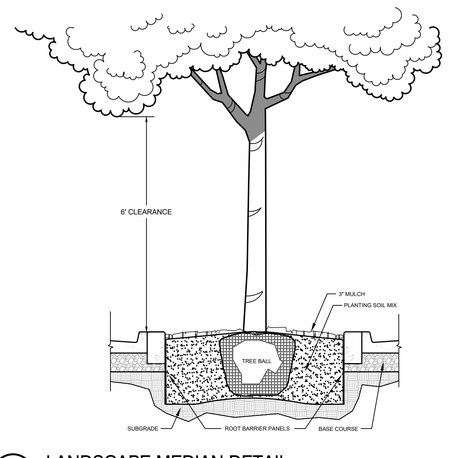
4 ROOT BARRIER DETAIL

1" = 1'–0"



5 SHRUB AND GROUNDCOVER PLANTING

NTS 329333.13–04



6 LANDSCAPE MEDIAN DETAIL

N.T.S.

Dewberry
139 E. GOVERNMENT STREET
PENSACOLA, FL 32502
(850) 760-0332

HASHTAG CONNECTOR PROJECT
PHASE ONE
MAIN STREET REVITALIZATION
CITY OF PENSACOLA, FLORIDA

SEAL

BID SET
NOT FOR CONSTRCUTION

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY	GZ
APPROVED BY	MJU
CHECKED BY	MJU
DATE	MAY 2020

TITLE

LANDSCAPE NOTES AND DETAILS

PROJECT NO. 50119780

L2.30

SHEET NO.

PLANT SCHEDULE

TREES	CODE	BOTANICAL / COMMON NAME	CONT	DBH	SIZE	QTY	REMARKS
	AR	Acer rubrum `Florida Flame` / Red Maple	--	4"Cal	14`-16` Ht. x 6` Spr.	6	Limbed up to 6'
	GL	Gordonia lasianthus / Loblolly Bay	30 gal	2"Cal	8` HT x 3`-4` SPR	7	
	MG	Magnolia grandiflora / Southern Magnolia	--	4"Cal	14`-16` Ht. x 6` Spr.	6	Limbed up to 6'
	MV	Magnolia virginiana / Sweet Bay	30 gal	2"Cal	8` HT x 3`-4` SPR	5	
	QL	Quercus lyrata / Overcup Oak	65 gal	3"Cal	12`-14` Ht. x 4`-6` Spr	26	Limbed up to 6'
	QS	Quercus shumardii / Shumard Oak	65 gal	3" Min.	12`-14` Ht. x 4`-6` Spr	8	Limbed up to 6'
	QV	Quercus virginiana / Southern Live Oak	--	4"Cal	14`-16` Ht. x 6` Spr.	3	
	UA	Ulmus alata / Winged Elm	65 gal	3"Cal	12`-14` Ht. x 4`-6` Spr	19	Limbed up to 6'

SHRUB AREAS	CODE	BOTANICAL / COMMON NAME	CONT	SIZE	SPACING	QTY
	IN	Ilex vomitoria 'Nana' / Dwarf Yaupon Holly	3 gal	12" Ht. x 15" Spr.	30" o.c.	166
	MC	Muhlenbergia capillaris / Pink Muhly Grass	3 gal	18" Ht. Full	30" o.c.	69
	PS	Panicum virgatum 'Shenandoah' / Switch Grass	3 gal	16" Ht. Full	24" o.c.	946
	SM	Sabal minor / Dwarf Palmetto	3 gal	15" Ht., Full	36" o.c.	67
	TD	Tripsacum floridanum / Florida Gamagrass	3 gal	18" Ht. Full	24" o.c.	237

GROUND COVERS	CODE	BOTANICAL / COMMON NAME	CONT	SIZE	SPACING	QTY
	AG	Arachis glabrata / Perennial Peanut	1 gal	FULL	24" o.c.	881
	OJ	Ophiopogon japonicus / Mondo Grass	1 gal	FULL	18" o.c.	855
	TA	Trachelospermum asiaticum / Asian Jasmine	1 gal		18" o.c.	258

Dewberry
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HASHTAG CONNECTOR PROJECT
PHASE ONE
MAIN STREET REVITALIZATION
CITY OF PENSACOLA, FLORIDA

SEAL

BID SET
NOT FOR CONSTRCUTION

SCALE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY	GZ
APPROVED BY	MJU
CHECKED BY	MJU
DATE	MAY 2020

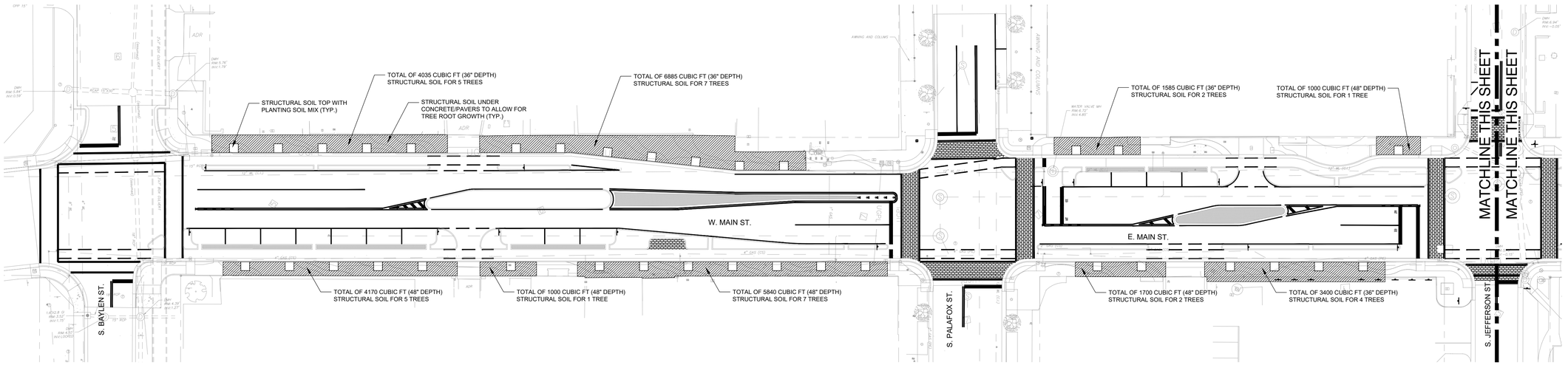
TITLE

LANDSCAPE SCHEDULE

PROJECT NO. 50119780

L2.31

SHEET NO.



SOIL PLAN

SCALE: 1"=30'-0"

Dewberry

139 E. GOVERNMENT STREET
PENSACOLA, FL 32502
(850) 760-0332

HASHTAG CONNECTOR PROJECT
PHASE ONE
MAIN STREET REVITALIZATION
CITY OF PENSACOLA, FLORIDA

SEAL

BID SET
NOT FOR CONSTRCUTION

SCALE

0' 30' 60'

N

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY	GZ
APPROVED BY	MJU
CHECKED BY	MJU
DATE	MAY 2020

TITLE

SOIL PLAN

PROJECT NO. 50119780

L3.00

SHEET NO.

GENERAL NOTES

1. THE LOCATIONS OF UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE PRIOR TO DIGGING. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UTILITIES. REFER TO THE ROADWAY PLANS FOR UTILITY CONTACTS, UTILITY ADJUSTMENT SHEETS, AND Vvh INFORMATION.

2. ONE WEEK PRIOR TO THE TRAFFIC SIGNAL INSTALLATION, THE SIGNAL CONTRACTOR SHALL CONTACT:

   CHRIS MAULDIN
   Transportation Engineer
   City of Pensacola
   850.435.1603
   E-MAIL ADDRESS: CMauldin@cityofpensacola.com

3. PRIOR TO ALL TRAFFIC SIGNAL CHANGES (I.E., MAINTENANCE OF TRAFFIC CHANGES, NEW SIGNAL INSTALLATIONS, DIFFERENT PAVEMENT CONFIGURATIONS, ETC.), CONTACT CHRIS MAULDIN AT (850) 435-1603, AT LEAST 48 HOURS IN ADVANCE FOR IMPLEMENTATION OF APPROPRIATE SIGNAL TIMING.

4. UNLESS OTHERWISE NOTED, ALL REMOVED EQUIPMENT SHALL BE TURNED OVER THE CITY OF PENSACOLA SIGNAL SHOP, IN EXISTING CONDITION, EXCEPT FOR POLES, AND SPAN WIRES WHICH SHALL BE DISPOSED OF BY THE CONTRACTOR IN AREAS PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST.

5. SUBMIT, IN ADDITION TO THE REQUIREMENTS OF STANDARD SPECIFICATION 9-8.1 (H), THE AS-BUILT PLANS TO THE ENGINEER FOR APPROVAL PRIOR TO THE 48 HOUR TEST UPON THE 48 HOUR TEST, THE ENGINEER SHALL PROVIDE AT LEAST ONE HARD COPY OF THE FINAL AS-BUILT PLANS TO CITY OF PENSACOLA SIGNAL SHOP.

6. THE CONTRACTOR SHALL FIELD VERIFY ALL CRITICAL ELEVATIONS PRIOR TO ORDERING SIGNAL MAST ARM POLES.

7. CONDUIT, (F&I):

   ALL CONDUIT RUNS SHOWN ON THE PLANS ARE SCHEMATIC AND FIELD ADJUSTMENTS MAY BE NECESSARY, WITH THE EXCEPTION OF ELECTRICAL POWER SERVICE DUCTS, AND JACK AND BORE SLEEVES, ALL UNDERGROUND AND UNDER PAVEMENT CONDUITS SHALL BE SCHEDULE 40 PVC, UNLESS OTHERWISE SPECIFIED IN THE PLANS. TWO SEPARATE UNDERGROUND CONDUIT RUNS LOCATED 180 DEGREES APART ARE REQUIRED FOR ALL SIGNAL MAST ARM POLES. THERE SHALL BE MINIMUM OF THREE RUNS OF TWO INCH CONDUIT BETWEEN THE LAST LOW VOLTAGE (LOOPS) PULL BOX LOCATED NEAR THE CONTROLLER CABINET AND THE CONTROLLER CABINET.

   CONDUITS INSTALLED WITH THE DIRECTIONAL BORE METHOD SHALL BE HDPE UNLESS OTHERWISE NOTED IN THE PLANS.

8. SIGNAL CABLE, (F&I):

   EACH PHASE/MOVEMENT SHALL BE WIRED FROM THE SIGNAL DISPLAY TO THE CONTROLLLER AS SEPERATE PHASE/MOVEMENT. THIS INCLUDES THE LEFT TURN MOVEMENT WHICH SHALL HAVE CONDUCTORS AVAILABE FOR EITHER PROTECTED OR PERMISSIVE MOVEMENTS. THE CONTRACTOR SHALL VERIFY SIGNAL CABLE AND COLOR CODES FOR SIGNAL CABLE WITH THE CITY OF PENSACOLA TRAFFIC ENGINEER BEFORE ORDERING, AND WIRE THE SIGNAL IN ACCORDANCE WITH THAT COLOR CODE AND F.D.O.T SPECIFICATIONS. THERE SHALL BE ONE NEUTRAL PER APPROACH.

9. ELECTRICAL POWER SERVICE, (F&I) UNDERGROUND, METER PURCHASED BY CONTRACTOR:

   THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE COMPANY PROVIDING ELECTRICAL POWER TO DETERMINE IF A SERVICE PROCESSING OR CONNECTING FEE IS REQUIRED. THE COST OF ANY SUCH FEE SHALL BE INCLUDED AS PART OF PAYMENT FOR ELECTIRCAL POWER SERVICE ASSEMBLY.

   THE COST OF THIS ITEM SHALL INCLUDE THE COST FOR THE APPROPRIATE METER CAN CONTAINING AN INTERNAL BYPASS SHUNT SWITCH AS REQUIRED BY THE LOCAL POWER COMPANY.

10. SIGNAL MAST ARM POLE, (F&I):

    AT LOCATIONS WHERE UNDERGROUND UTILITIES ARE IN CLOSE PROXIMITY TO THE SIGNAL POLE FOUNDATION, AS DETERMINED BY THE CONTRACTOR, THE CONTRACTOR SHALL HAND DIG THE FIRST FOUR FEET OF THE HOLE FOR THE POLE FOUNDATION

11. TRAFFIC SIGNAL HEADS:

    ALL VEHICHLE SIGNAL HEADS, INCLUDING VISORS, SHALL BE BLACK IN COLOR.

12. PEDESTRIAN SIGNAL, (F&I), LED- COUNT DOWN, 1 DIRECTION:

    PEDESTRIAN SIGNAL SHALL BE COUNTDOWN WITH OVERLAY/FILLED/FILLED HAND AND PEDESTRIAN SYMBOLS. ALL PEDESTRIAN SIGNALS SHALL BE BLACK IN COLOR.

13. VIDEO DETECTION, (F&I):

    VIDEO DETECTION SHALL BE GRIDSMART SMARTMOUNT BELL CAMERA FOR COMPATIBILITY WITH EXISTING VIDEO DETECTION EQUIPMENT USED BY THE CITY OF PENSACOLA. THE CONTRACTOR SHALL NOTIFY THE CITY OF PENSACOLA TRAFFIC ENGINEER AT LEAST 48 HOURS IN ADVANCE OF INSTALLING VIDEO DETECTION CAMERAS AND CONFIGURING VIDEO DETECTION ZONES.

14. PEDESTRIAN DETECTOR, (F&I), STANDARD:

    SHALL HAVE VISUAL INDICATION OF ACTIVATION AND RAISED ARROW. VISUAL INDICATION OF ACTIVATION SHALL REMAIN ILLUMINATED UNTIL THE PEDESTRIAN WALK INDICATION IS DISPLAYED. THE HOUSING OF ALL PEDESTRIAN DETECTORS SHALL BE BLACK IN COLOR.

15. TRAFFIC CONTROLLER ASSEMBLY, (F&I), NEMA:

    THE CONTRACTOR SHALL NOTIFY THE CITY OF PENSACOLA TRAFFIC ENGINEER 48 HOURS IN ADVANCE OF TURNING ON A NEW OR MODIFIED CONTROLLER CABINET ASSEMBLY. CABINET DOOR SHOULD OPEN AWAY FROM TRAFFIC. THE TOP OF THE CONCRETE PAD SHALL BE A MAXIMUM OF 4" ABOVE THE ABUTTING/SURROUNDING SIDEWALK. THE CABINET SHALL INCLUDE AN EIGHT PHASE BACKPLANE WITH A MINIMUM OF 16 POSITIONS ON THE LOAD BAY AND SHALL INCLUDE ADDITIONAL COST OF LABOR, CONCRETE, AND OTHER MATERIALS FOR CONTROLLER BASE, PAD, AS ONE UNIT. FURNISH AND INSTALL MCCAIN ATC eX2 NEMA TS 2, TYPE 2 CONTROLLER AND P44 NEMA TS 2, TYPE 2 DOUBLE-DOOR BASE-MOUNTED CONTROLLER CABINET.

    APPLY DECORATIVE WRAP TO EXTERIOR OF ALL CONTROLLER CABINETS IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

    ALL VEHICLE SIGNAL HEADS, INCLUDING VISORS, SHALL BE BLACK IN COLOR.

16. SYSTEM AUXILIARIES, (F&I), UNINTERRUPTIBLE POWER SOURCE:

    THE UNINTERRUPTED POWER SOURCE (UPS) UNIT SHALL BE HOUSED IN A SEPARATE ENCLOSED CABINET. THIS PAY ITEM SHALL INCLUDE THE COST FOR THE CABINET TO HOUSE THE UPS ASSEMBLY. THE TRAFFIC SIGNAL CABINET CONCRETE BASE SHALL BE LARGE ENOUGH TO SUPPORT THE TRAFFIC SIGNAL CABINET AND THE UPS CABINET, PAYMENT FOR ADDITIONAL CONCRETE BASE, INCLUDING LABOR AND MATERIAL, SHALL BE INCLUDED IN TRAFFIC CONTROLLER ASSEMBLY PAY ITEM NUMBER. THE UPS UNIT SHALL BE OF THE SAME MAKE AND MODEL AS IS CURRENTLY BEING USED BY THE CITY OF PENSACOLA.

17. INTERNALLY ILLUMINATED STREET NAME SIGNS:

    SHALL BE L.E.D. TYPE OF THE SAME MANUFACTURER AND MODEL AS CURRENTLY IN USE BY THE CITY OF PENSACOLA. SHALL INCLUDE PROPERLY DESIGNED AND SIZE ADJUSTABLE HANGERS, BRACKETS, CLAMPS, AND ALL MISCELLANEOUS HARDWARE NECESSARY TO INSTALL THE SIGNS AS SHOWN IN THE PLANS.

Dewberry
139 E. GOVERNMENT STREET
PENSACOLA, FL 32502
(850) 760-0332

HASHTAG CONNECTOR PROJECT
PHASE ONE
MAIN STREET REVITALIZATION
CITY OF PENSACOLA, FLORIDA

SEAL

BID SET
NOT FOR CONSTRUCTION

SCALE

NONE

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY	A. BESHEARS
APPROVED BY	T. BROOKS
CHECKED BY	P. PADILLA
DATE	DECEMBER 2021

TITLE

SIGNALIZATION
GENERAL NOTES

PROJECT NO. 50119780

SHEET NO. T-1

NOTES:

1. RETAIN ALL EXISTING TRAFFIC SIGNAL EQUIPMENT, ADD BICYCLE HEADS AS SHOWN.
2. MODIFY PHASING TO PROVIDE LEADING BIKE INTERVAL FOR E. MAIN STREET.

VIDEO DETECTION

CAMERA DETECTOR	DETECTION ZONE	TIMING FUNCTION CONNECTION	DELAY TIME (SEC)
V-1	DZ-1	TF-1	15
	DZ-1B	TF-1	15
	DZ-2	TF-2	
	DZ-2B	TF-2B	
	DZ-3	TF-3	
	DZ-4	TF-4	
	DZ-5	TF-5	
	DZ-5B	TF-5B	
	DZ-6	TF-6	
	DZ-6B	TF-6B	
	DZ-7	TF-7	
	DZ-7B	TF-7B	15
	DZ-8	TF-8	

DELAY TIME IS INITIAL AND MAY REQUIRE FIELD ADJUSTING AS DIRECTED BY PROJECT ENGINEER.

CONTROLLER OPERATION

MAJOR STREET IS E. MAIN STREET
MINOR STREET IS S. PALAFOX STREET

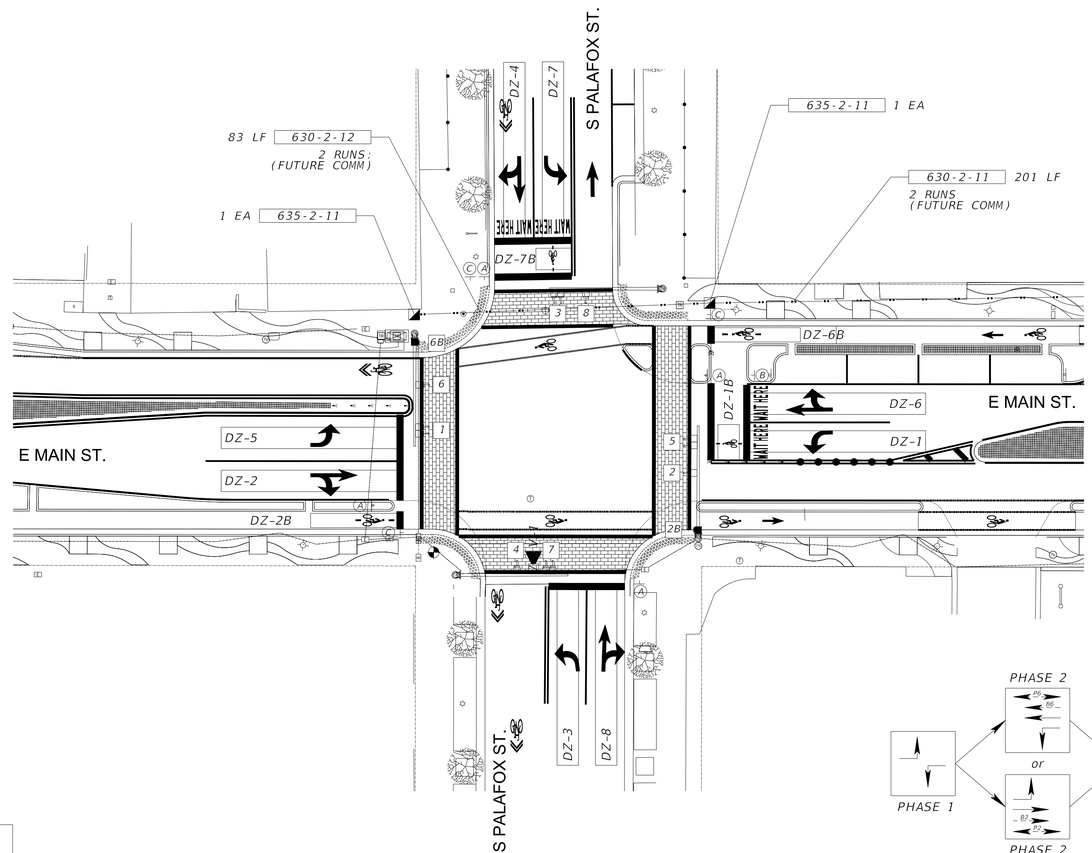
CONTROLLER TO OPERATE AS INDICATED IN THE FLASH MODE:
E. MAIN STREET (2 & 6) SHALL FLASH RED
S. PALAFOX STREET (4 & 8) SHALL FLASH RED
MAIN STREET POSTED SPEED = 30 MPH
PALAFOX STREET POSTED SPEED = 30 MPH

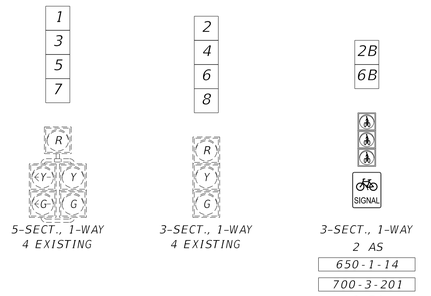
TECHNICIAN TO PROGRAM LEADING BICYCLE INTERVAL BY PROGRAMMING A 4 SECOND LEAD TIME FOR PHASES 2 AND 6.

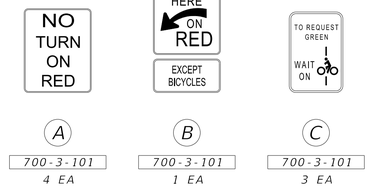
CONTROLLER TIMINGS

TIMING FUNCTION									
MOVEMENT NUMBER		1	2	3	4	5	6	7	8
TIMING FUNCTION	MINIMUM GREEN	4	10	4	4	4	10	4	4
	EXTENSION	2.0	6.0	2.0	3.0	2.0	2.0	2.0	3.0
	MAXIMUM GREEN 1	15	65	15	25	15	60	10	25
	MAXIMUM GREEN 2	30	45	15	45	15	65	15	45
	YELLOW CLEARANCE	3.0	3.8	3.0	3.8	3.0	3.8	3.0	3.8
	ALL RED	2.3	4.9	2.3	2.0	2.2	5.0	2.2	2.0
	PEDESTRIAN WALK	0	7	0	7	0	7	0	7
	PED. CLEARANCE	0	10	0	12	0	8	0	8
	BIKE MIN GREEN		12				12		
	BIKE MAX GREEN		25				25		
	RECALL		MIN				MIN		
	RED REVERT	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

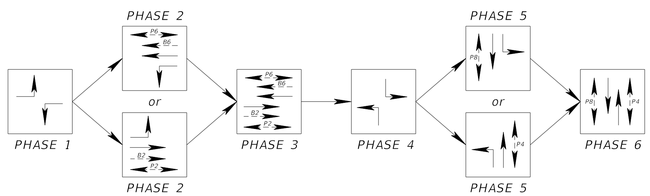
*Yellow Clearance and All Red times account for required bicycle clearance times.

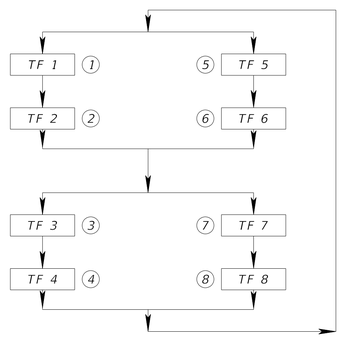






S.O.P. 10





0 5 20
Feet

Dewberry

139 E. GOVERNMENT STREET
PENSACOLA, FL 32502
(850) 760-0332

HASHTAG CONNECTOR PROJECT PHASE ONE MAIN STREET REVITALIZATION

CITY OF PENSACOLA, FLORIDA

SEAL

BID SET
NOT FOR CONSTRUCTION

SCALE

AS SHOWN

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY	A. BESHEARS
APPROVED BY	T. BROOKS
CHECKED BY	P. PADILLA
DATE	DECEMBER 2021

TITLE

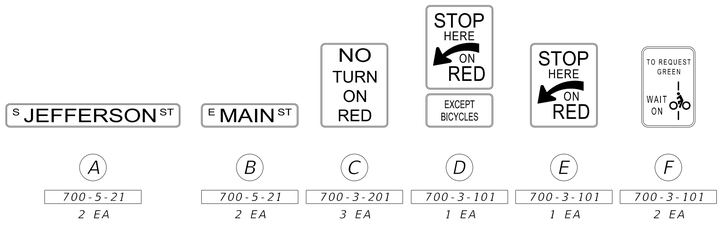
SIGNALIZATION PLAN
E. MAIN ST &
S. PALAFOX ST

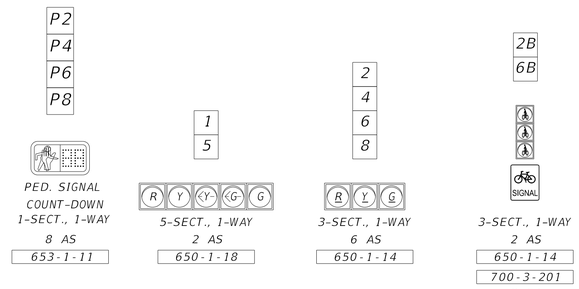
PROJECT NO. 50119780

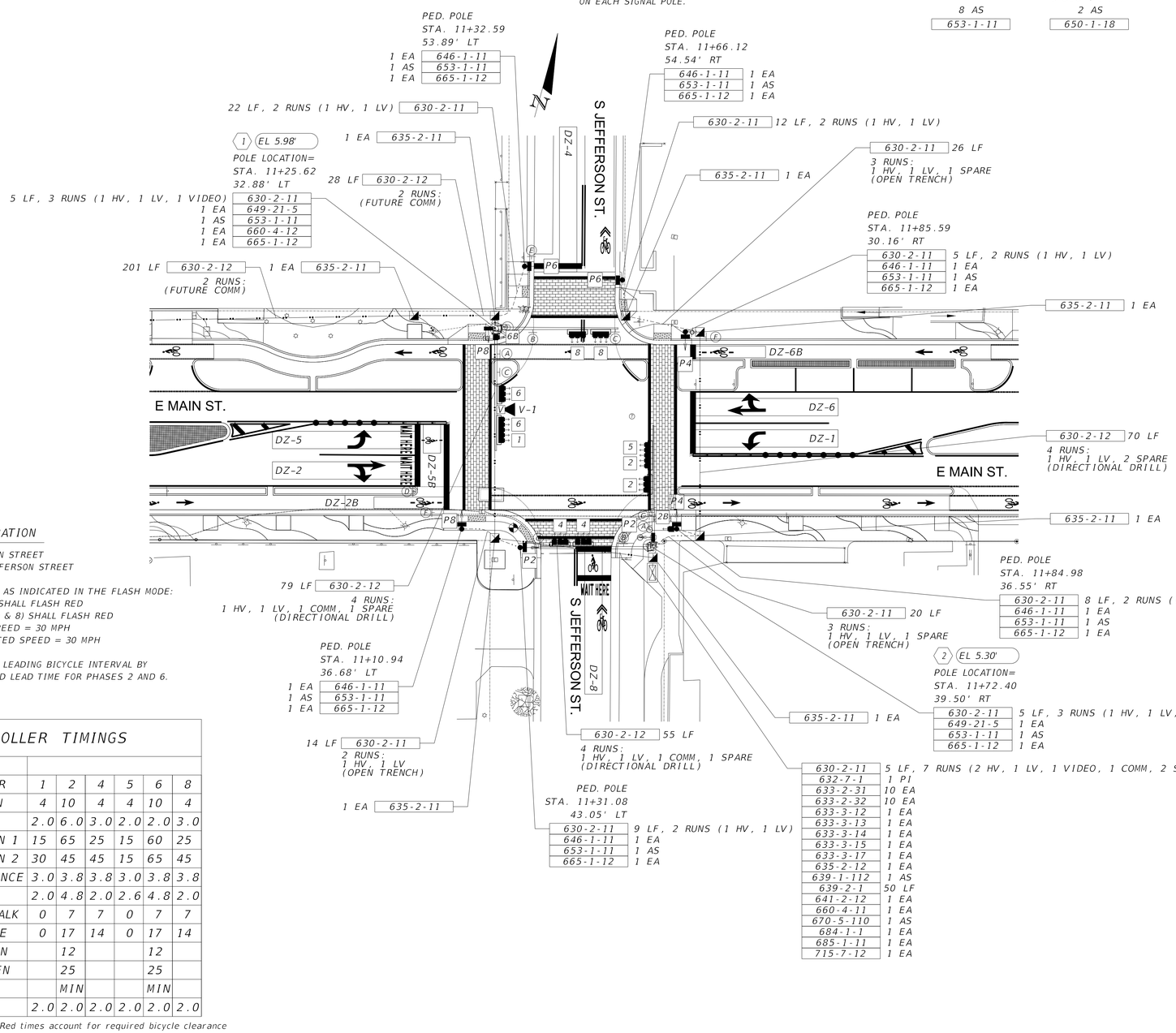
SHEET NO. T-2

NOTES:

1. EACH PHASE/MOVEMENT SHALL BE WIRED FROM THE SIGNAL DISPLAY TO THE CONTROLLER AS A SEPARATE PHASE/MOVEMENT. THIS INCLUDED LEFT TURN MOVEMENTS. EACH LEFT TURN MOVEMENT SHALL HAVE CONDUCTORS AVAILABLE FOR PROTECTED AND PERMISSIVE OPERATION.
2. ALL NEW SIGNAL HEADS SHALL BE BLACK POWDER COATED.
3. STREET NAME SIGNS A & B ARE INTERNALLY ILLUMINATED, SINGLE SIDED & RIGIDLY MOUNTED (CLAMPED-ON) TO THE MAST ARM.
4. PROPOSED SIGNAL POLES, PEDESTALS & MAST ARMS ARE TO BE PAINTED BLACK.
5. DECORATIVE SIGNAL POLE BASE COVER TO BE INSTALLED ON EACH SIGNAL POLE.







VIDEO DETECTION

CAMERA DETECTOR	DETECTION ZONE	TIMING FUNCTION CONNECTION	DELAY TIME (SEC)
V-1	DZ-1	TF-1	15
	DZ-2	TF-2	
	DZ-2B	TF-2	
	DZ-4	TF-3	5
	DZ-5	TF-5	15
	DZ-5B	TF-5	15
	DZ-6	TF-6	
	DZ-6B	TF-6	
	DZ-8	TF-3	5

DELAY TIME IS INITIAL AND MAY REQUIRE FIELD ADJUSTING AS DIRECTED BY PROJECT ENGINEER.

CONTROLLER OPERATION

MAJOR STREET IS E. MAIN STREET
MINOR STREET IS S. JEFFERSON STREET

CONTROLLER TO OPERATE AS INDICATED IN THE FLASH MODE:
E. MAIN STREET (2 & 6) SHALL FLASH RED
S. JEFFERSON STREET (4 & 8) SHALL FLASH RED
MAIN STREET POSTED SPEED = 30 MPH
JEFFERSON STREET POSTED SPEED = 30 MPH

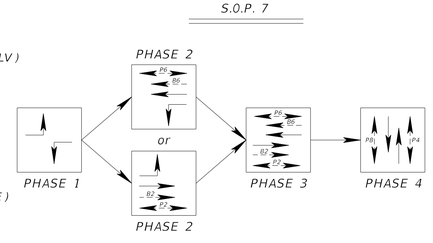
TECHNICIAN TO PROGRAM LEADING BICYCLE INTERVAL BY PROGRAMMING A 4 SECOND LEAD TIME FOR PHASES 2 AND 6.

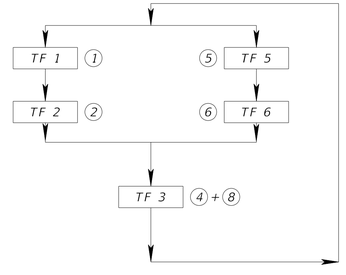
CONTROLLER TIMINGS

	TIMING FUNCTION						
	MOVEMENT NUMBER	1	2	4	5	6	8
TIMING FUNCTION	MINIMUM GREEN	4	10	4	4	10	4
	EXTENSION	2.0	6.0	3.0	2.0	2.0	3.0
	MAXIMUM GREEN 1	15	65	25	15	60	25
	MAXIMUM GREEN 2	30	45	45	15	65	45
	YELLOW CLEARANCE	3.0	3.8	3.8	3.0	3.8	3.8
	ALL RED	2.0	4.8	2.0	2.6	4.8	2.0
	PEDESTRIAN WALK	0	7	7	0	7	7
	PED. CLEARANCE	0	17	14	0	17	14
	BIKE MIN GREEN		12			12	
	BIKE MAX GREEN		25			25	
	RECALL		MIN			MIN	
	RED REVERT	2.0	2.0	2.0	2.0	2.0	2.0

*Yellow Clearance and All Red times account for required bicycle clearance times.

S.O.P. 7





0 5 20
Feet

Dewberry
139 E. GOVERNMENT STREET
PENSACOLA, FL 32502
(850) 760-0332

HASHTAG CONNECTOR PROJECT
PHASE ONE
MAIN STREET REVITALIZATION
CITY OF PENSACOLA, FLORIDA

SEAL

BID SET
NOT FOR CONSTRUCTION

SCALE

AS SHOWN

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY	A. BESHEARS
APPROVED BY	T. BROOKS
CHECKED BY	P. PADILLA
DATE	DECEMBER 2021

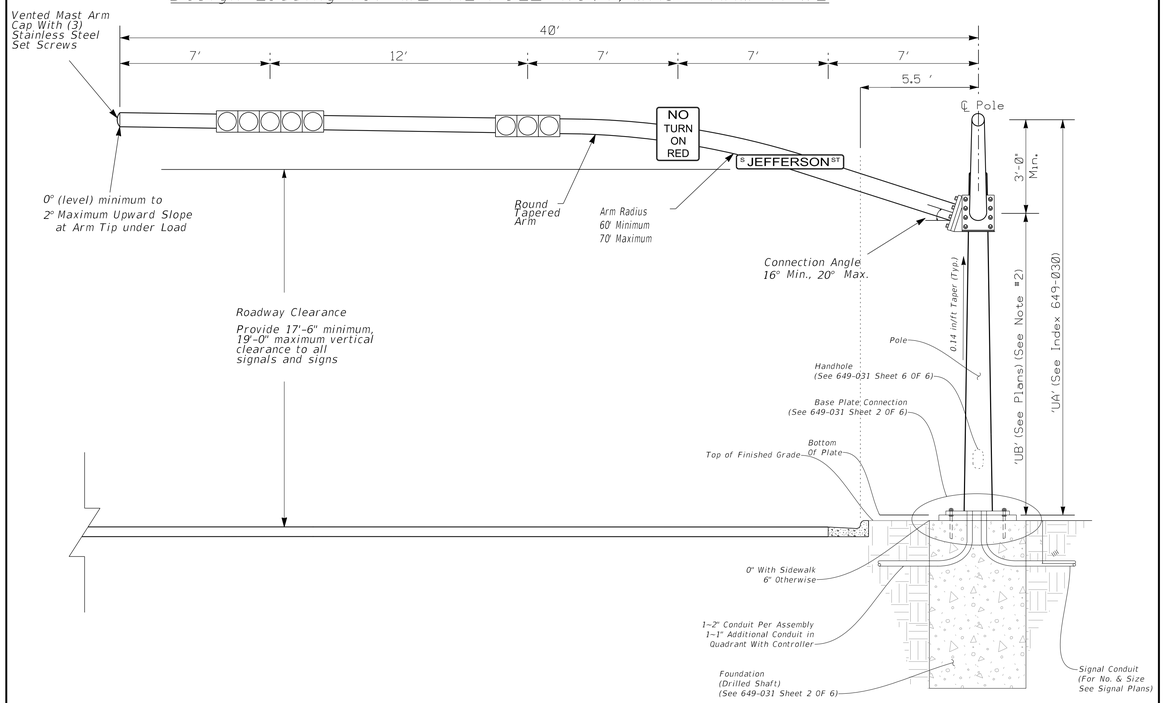
TITLE

SIGNALIZATION PLAN
E. MAIN ST &
S. JEFFERSON ST

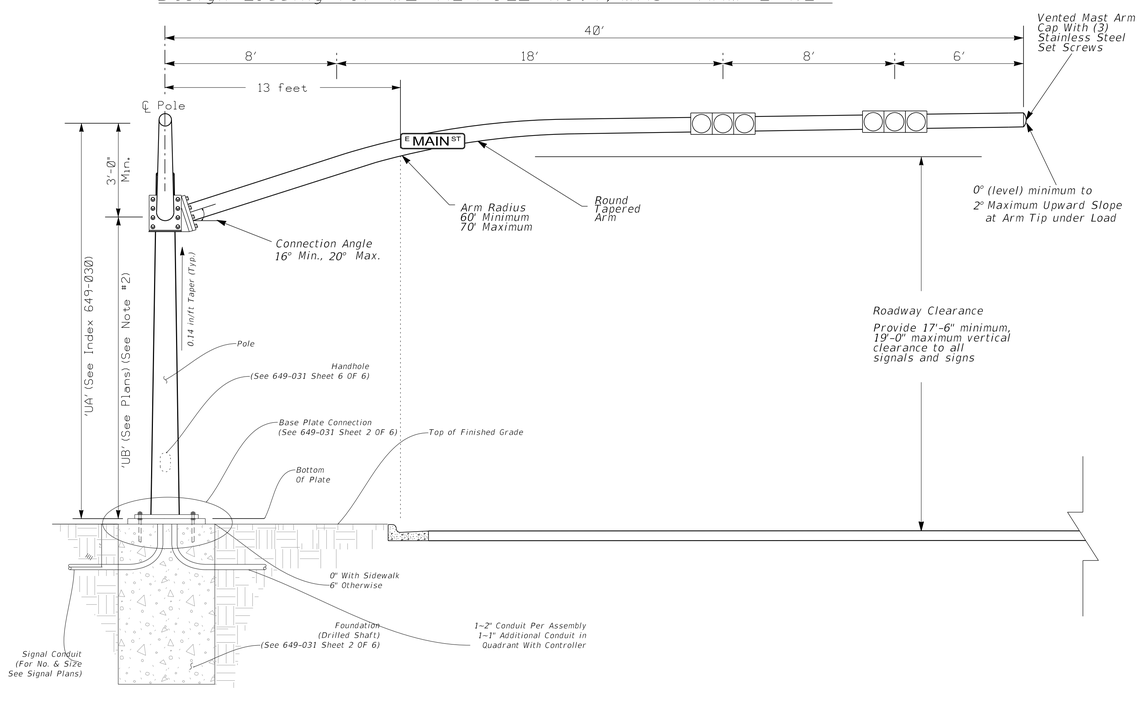
PROJECT NO. 50119780

SHEET NO. T-3

Design Loading for METAL POLE NO. I, MAST ARM A WB



Design Loading for METAL POLE NO. I, MAST ARM B NB



GENERAL NOTE

1. Comply with the Florida Department of Transportation "Standard Specifications for Road and Bridge Construction". Section 649.

2. Mast Arm Shop Drawings are required and fabrication shall not begin until the Shop Drawings are approved. Mast Arm Shop Drawings shall include the anchor rod orientation with respect to the arm(s) and the direction of traffic.

3. Prior to Fabrication: Verify the installed foundation elevation will result in the required signal elevation and adjust the Pole height as needed.

4. If pole location adjustments are required. The contractor must gain approval from the engineer as this may affect the mast arm lengths and arm attachment heights.

5. The contractor is responsible for verifying that the mast arm length shown will allow proper positioning of the signal heads over the roadway

6. Materials:
   - A. Poles, Mast Arms and Backing Rings:
     - a. Less than $\frac{3}{16}$": ASTM A1011 Grade 50, 55, 60 or 65
     - b. Greater than or equal to $\frac{3}{16}$": ASTM A572 Grade 50, 55, 60 or 65
     - c. ASTM A595 Grade A (55 ksi yield) or Grade B (60 ksi yield)
   - B. Steel Plates: ASTM A36
   - C. Weld Metal: E70XX
   - D. Bolts, Nuts and Washers:
     - a. High Strength Hex Head Bolts: ASTM F3125, Grade A325, Type 1
     - b. Nuts: ASTM A563 DH Heavy-Hex
     - c. Washers: ASTM F436 Type 1, one under turned element
   - E. Anchor Bolts, Nuts and Washers:
     - a. Anchor Bolts: ASTM F1554 Grade 55
     - b. Nuts: ASTM A563 Grade A Heavy-Hex (5 per anchor bolt)
     - c. Plate Washers: ASTM A36 (2 per bolt)
   - F. Threaded Bars/Studs: ASTM A36 or ASTM A307
   - G. Handhole Frame: ASTM A709 or ASTM A36, Grade 36
   - H. Handhole Cover: ASTM A1011 Grade 50, 55, 60 or 65
   - I. Aluminum Pole Caps and Nut Covers: ASTM B26 (319-F)
   - J. Stainless Steel Screws: AISI Type 316
   - K. Concrete: Class IV (Drilled Shaft) for all environmental classifications.
   - L. Reinforcing Steel: Specification 415

7. Fabrication:
   - A. Welding:
     - a. Specification 460-6.4 and
     - b. AASHTO LRFD Specification for Structural Supports for Highway Signs, Luminaires, and Traffic Signals Section 14.4.4
   - B. Poles and Mast Arms:
     - a. Round
     - b. Taper pole diameter at 0.14 inches per foot
     - c. Upright poles must be a single section. For arms and upright poles, circumferential welds and laminated sections are not permitted.
     - d. Arms may be either one or two sections. See Sheet 4 for telescopic splice detail
     - e. Fabricate longitudinal seam welds with 60 percent minimum penetration or fusion welds except:
       1. Use a full-penetration groove weld within 6 inches of the circumferential tube-to-plate connection.
       2. Use full-penetration groove welds on the female end section of telescopic (i.e., slip type) field splices for a minimum length of one and one-half times the inside diameter of the female section plus 6 inches.
     - f. Locate longitudinal seams weld along the:
       1. Lower quadrant of the arms.
       2. Same side of the pole as the arm connections
     - g. Face handhole perpendicular from arm on single arm poles, perpendicular from the first arm of double arms poles facing away from traffic or see special instructions on the Mast Arm Tabulation Sheet.
     - h. Provide a 'J' or 'C' hook at the top of the pole for signal wiring support (See Sheet 6)
     - i. First and Second arm camber angle = 2°
     - j. Bolt holes diameters as follows:
       1. Bolts (except Anchor bolts): Bolt diameter plus $\frac{1}{16}$" prior to galvanizing.
       2. Anchor Bolts: Bolt diameter plus $\frac{1}{2}$" (Max.).

8. Coatings:
   - A. All Nuts, Bolts, Washers and Threaded Bars/Studs: ASTM F2329
   - B. All other steel items including plate washers ASTM A123
   - C. All mast arms and poles shall be coated with black paint in accordance with subsection 975-4 of the FDOT Standard Specifications

9. Construction:
   - A. Foundation: Specification 455 Drilled Shaft, except that payment is included in the cost of the Mast Arm.
   - B. Install Pole vertically.
   - C. Place structural grout pad with drain between top of foundation and bottom of baseplate in accordance with Specification 649-7.
   - D. Attach Sign Panels and Signals centered on the elevation of the Mast Arm.
   - E. Wire Access holes are $1\frac{1}{2}$" or less in diameter. Fit holes with rubbor grommets.

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139 E. GOVERNMENT STREET
PENSACOLA, FL 32502
(850) 760-0332

HASHTAG CONNECTOR PROJECT
PHASE ONE
MAIN STREET REVITALIZATION
CITY OF PENSACOLA, FLORIDA

SEAL

BID SET
NOT FOR CONSTRUCTION

SCALE

AS SHOWN

REVISIONS

NO.	DESCRIPTION	DATE

DRAWN BY	A. BESHEARS
APPROVED BY	T. BROOKS
CHECKED BY	P. PADILLA
DATE	DECEMBER 2021

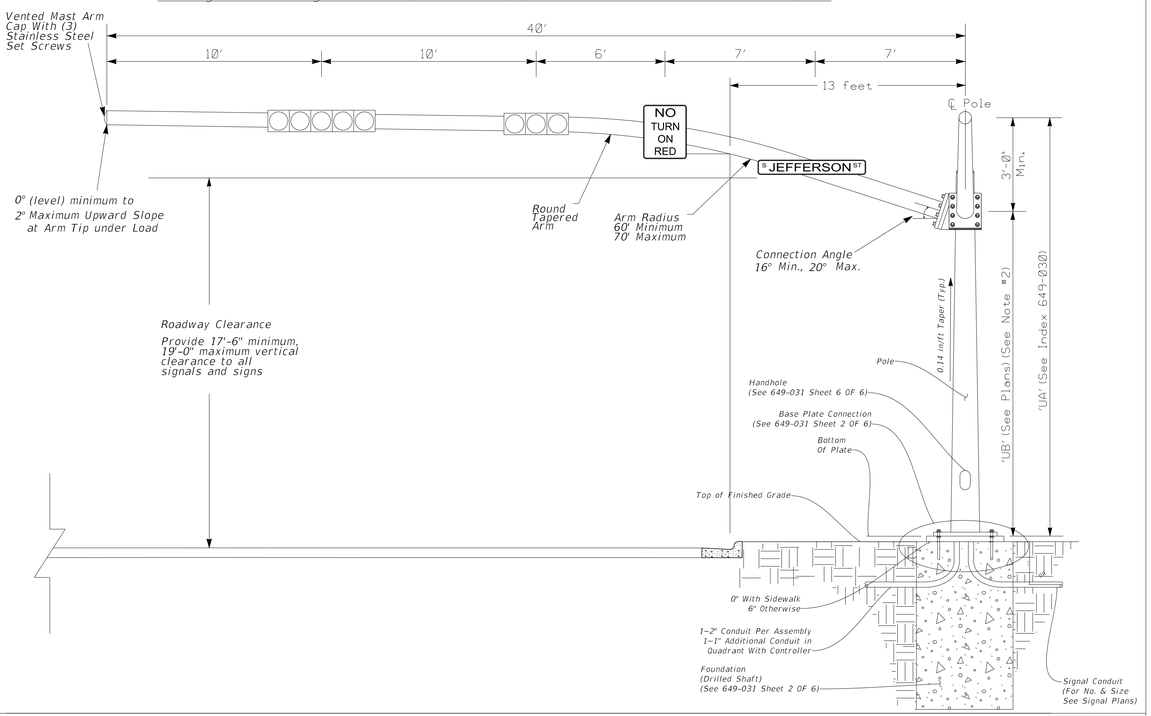
TITLE

SIGNALIZATION PLAN
E. MAIN ST &
S. JEFFERSON ST

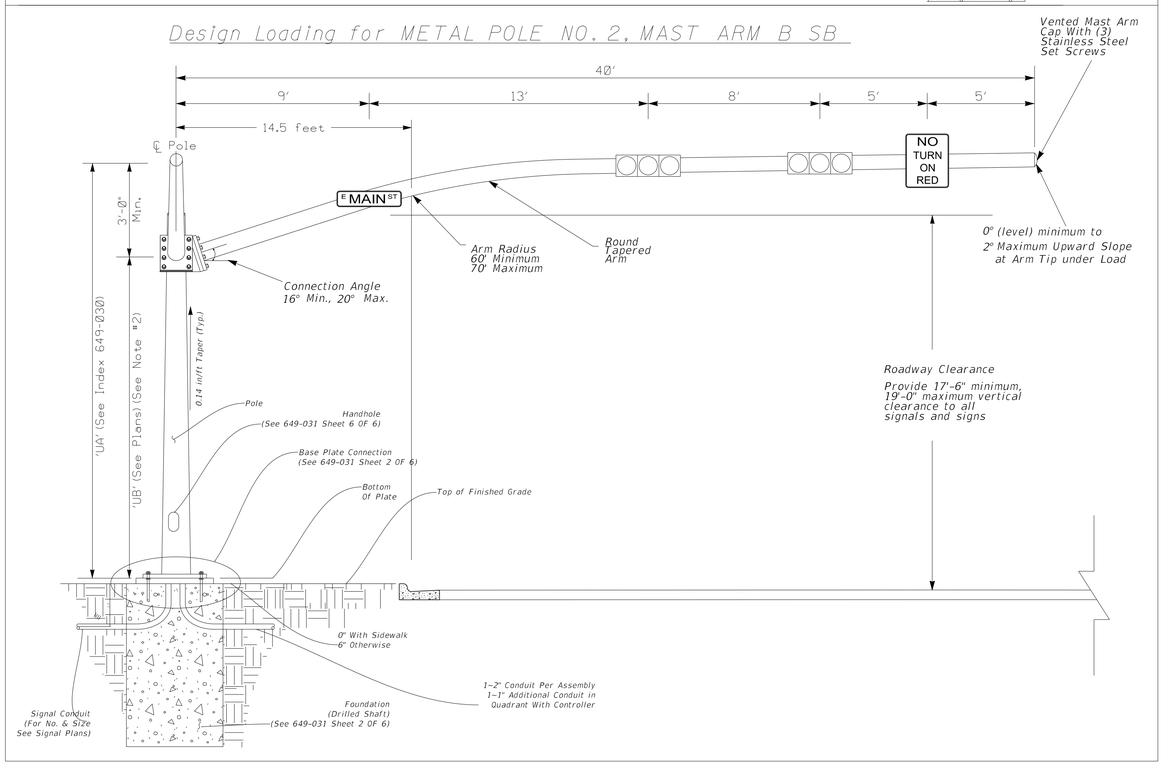
PROJECT NO. 50119780

SHEET NO. T-4

Design Loading for METAL POLE NO. 1, MAST ARM A EB



Design Loading for METAL POLE NO. 2, MAST ARM B SB



SPECIAL NOTE

1. Comply with the Florida Department of Transportation "Standard Specifications for Road and Bridge Construction". Section 649.

2. Mast Arm Shop Drawings are required and fabrication shall not begin until the Shop Drawings are approved. Mast Arm Shop Drawings shall include the anchor rod orientation with respect to the arm(s) and the direction of traffic.

3. Prior to Fabrication: Verify the installed foundation elevation will result in the required signal elevation and adjust the Pole height as needed.

4. If pole location adjustments are required. The contractor must gain approval from the engineer as this may affect the mast arm lengths and arm attachment heights.

5. The contractor is responsible for verifying that the mast arm length shown will allow proper positioning of the signal heads over the roadway

6. Materials:
   - A. Poles, Mast Arms and Backing Rings:
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     - b. Greater than or equal to $\frac{3}{16}$": ASTM A572 Grade 50, 55, 60 or 65
     - c. ASTM A595 Grade A (55 ksi yield) or Grade B (60 ksi yield)
   - B. Steel Plates: ASTM A36
   - C. Weld Metal: E70XX
   - D. Bolts, Nuts and Washers:
     - a. High Strength Hex Head Bolts: ASTM F3125, Grade A325, Type 1
     - b. Nuts: ASTM A563 DH Heavy-Hex
     - c. Washers: ASTM F436 Type 1, one under turned element
   - E. Anchor Bolts, Nuts and Washers:
     - a. Anchor Bolts: ASTM F1554 Grade 55
     - b. Nuts: ASTM A563 Grade A Heavy-Hex (5 per anchor bolt)
     - c. Plate Washers: ASTM A36 (2 per bolt)
   - F. Threaded Bars/Studs: ASTM A36 or ASTM A307
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   - A. Welding:
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   - B. Poles and Mast Arms:
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     - e. Fabricate longitudinal seam welds with 60 percent minimum penetration or fusion welds except:
       1. Use a full-penetration groove weld within 6 inches of the circumferential tube-to-plate connection.
       2. Use full-penetration groove welds on the female end section of telescopic (i.e., slip type) field splices for a minimum length of one and one-half times the inside diameter of the female section plus 6 inches.
     - f. Locate longitudinal seams weld along the:
       1. Lower quadrant of the arms.
       2. Same side of the pole as the arm connections
     - g. Face handhole perpendicular from arm on single arm poles, perpendicular from the first arm of double arms poles facing away from traffic or see special instructions on the Mast Arm Tabulation Sheet.
     - h. Provide a 'J' or 'C' hook at the top of the pole for signal wiring support (See Sheet 6)
     - i. First and Second arm camber angle = 2°
     - j. Bolt holes diameters as follows:
       1. Bolts (except Anchor bolts): Bolt diameter plus $\frac{1}{16}$" prior to galvanizing.
       2. Anchor Bolts: Bolt diameter plus $\frac{1}{2}$" (Max.).

8. Coatings:
   - A. All Nuts, Bolts, Washers and Threaded Bars/Studs: ASTM F2329
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DRAWN BY	A. BESHEARS
APPROVED BY	T. BROOKS
CHECKED BY	P. PADILLA
DATE	DECEMBER 2021

TITLE

SIGNALIZATION PLAN
E. MAIN ST &
S. JEFFERSON ST

PROJECT NO. 50119780

SHEET NO. T-5