BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA
ENGINEERING DEPARTMENT
CONSTRUCTION MANAGEMENT DIVISION

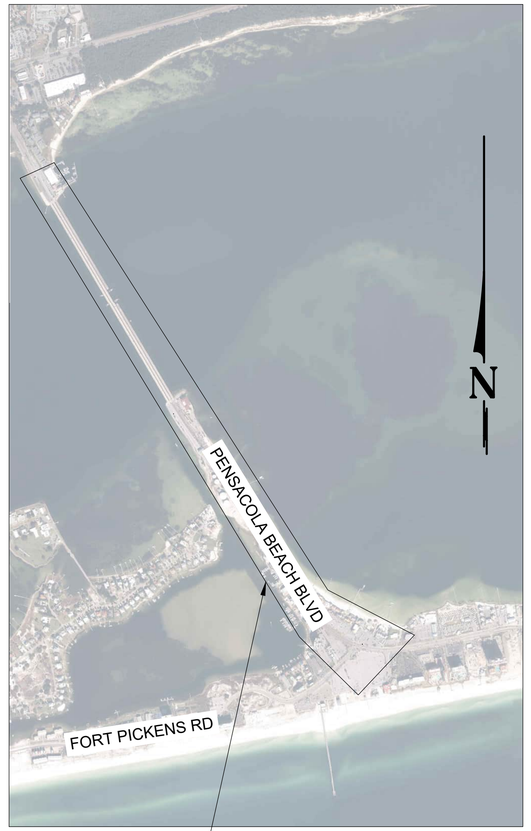
INDEX OF PLANS

DISCIPLINE ORDER

- COVER SHEET
- SIGNATURE SHEET
- SHEET INDEX
- HORIZONTAL CONTROL
- ROADWAY
- MAINTENANCE OF TRAFFIC (MOT)
- INTELLIGENT TRANSPORTATION SYSTEMS (ITS)
- TOLLING TECHNOLOGY
- STRUCTURAL

PLANS PROPOSED FOR

PENSACOLA BEACH GATEWAY IMPROVEMENTS (TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)



100% DESIGN PLANS
SEPTEMBER 2025

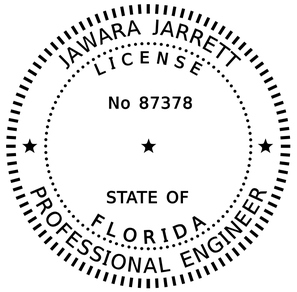
COMMISSIONERS

DISTRICT ONE	STEVE STROBERGER
DISTRICT TWO	MIKE KOHLER, CHAIRMAN
DISTRICT THREE	LUMON MAY
DISTRICT FOUR	ASHLEE HOFBERGER, VICE CHAIR
DISTRICT FIVE	STEVEN BARRY

THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH THE LATEST ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS.

ANY REFERENCE TO FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, DIVISION 1, GENERAL REQUIREMENTS AND COVENANTS, SHALL BE EXCLUDED AND NOT APPLICAPABLE TO ANY SPECIFICATION REFERED HEREIN OR OTHERWISE LISTED IN THESE PLANS OR RELATED DOCUMENTS OR THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS.

PROJECT MANAGER: NICK CHAUVIN	
SECTION / TOWNSHIP / RANGE: 10-3S-29W	DISTRICT: 4
PROJECT ENGINEER: LORI RENTSCHLER	REG FLA ENG NO: XXXXX
SIGNATURE:	DATE: 9/2025



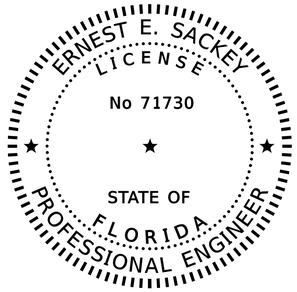
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL

SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

JACOBS ENGINEERING GROUP INC.
101 N. MONROE STREET, SUITE 1020
TALLAHASSEE, FL 32301
JAWARA JARRETT, P.E. NO. 87378
ROADWAY EOR

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



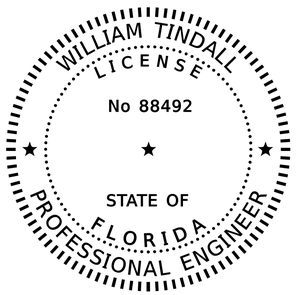
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL

SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

JACOBS ENGINEERING GROUP INC.
200 ORANGE AVE. SUITE 900
ORLANDO, FL 32801
ERNEST E. SACKEY, P.E. NO. 71730
ITS AND TOLLING TECHNOLOGY EOR

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



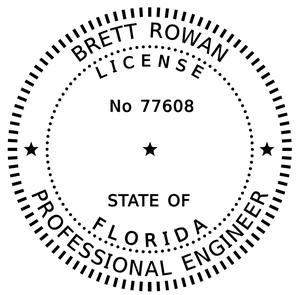
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL

SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

JACOBS ENGINEERING GROUP INC.
5401 W. KENNEDY BOULEVARD, SUITE 300
TAMPA, FL 33602
WILLIAM TINDALL, P.E. NO. 88492
MOT EOR

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



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:

ON THE DATE ADJACENT TO THE SEAL

SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

JACOBS ENGINEERING GROUP INC.
200 ORANGE AVE. SUITE 900
ORLANDO, FL 32801
BRETT ROWAN, P.E. NO. 77608
STRUCTURAL EOR

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

NO.	DSGN	DATE	DR	REVISION	CHK	BY	APVD

© JACOBS 2021. ALL RIGHTS RESERVED.

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENT'S)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

GENERAL
SIGNATURE SHEET

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

100% DESIGN DOCUMENTS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	G-001
SHEET	2 of 79

ROADWAY SHEET INDEX:

DRAWING NUMBER	DRAWING TITLE	SHEET NUMBER
C-001	GENERAL NOTES	5
C-002	DRAWING LAYOUT	6
C-003	HORIZONTAL CONTROL	7
C-100	EXISTING CONDITIONS AND DEMOLITION PLANS STA 300+00 TO STA 311+00	8
C-101	EXISTING CONDITIONS AND DEMOLITION PLANS STA 311+00 TO STA 313+50	9
C-150	TYPICAL SECTIONS	10
C-201	PLAN AND PROFILE PLANS STA 300+00 TO STA 305+50	11
C-202	PLAN AND PROFILE PLANS STA 305+50 TO STA 311+00	12
C-203	PLAN AND PROFILE PLANS STA 311+00 TO STA 313+50	13
C-204	SECTION VIEW STA 308+00 TO STA 309+50	14
C-301	SIGNING AND PAVEMENT MARKING PLANS STA 300+00 TO STA 311+00	15
C-302	SIGNING AND PAVEMENT MARKING PLANS STA 311+00 TO STA 313+50	16

MOT SHEET INDEX:

DRAWING NUMBER	DRAWING TITLE	SHEET NUMBER
M-001	GENERAL NOTES	17
M-002	TEMPORARY TRAFFIC CONTROL PLAN PHASE II (1)	18
M-003	TEMPORARY TRAFFIC CONTROL PLAN PHASE II (2)	19
M-004	TEMPORARY TRAFFIC CONTROL PLAN PHASE II (3)	20
M-005	TEMPORARY TRAFFIC CONTROL PLAN PHASE II (4)	21
M-006	TEMPORARY TRAFFIC CONTROL PLAN PHASE II (5)	22

ITS SHEET INDEX:

DRAWING NUMBER	DRAWING TITLE	SHEET NUMBER
I-002	GENERAL NOTES	23
I-003	PROJECT LAYOUT	24
I-004	POLE DATA SHEET	25
I-005	PLANS STA 101+00 TO STA 129+00	26
I-006	PLANS STA 129+00 TO STA 158+00	27
I-007	PLANS STA 158+00 TO STA 186+80	28
I-008	PLANS STA 186+80 TO STA 201+00	29
I-009	CCTV & RADIO INSTALLATION DETAILS	30
I-010	CABINET DETAILS & WIRING DIAGRAMS (1)	31
I-011	CABINET DETAILS & WIRING DIAGRAMS (2)	32
I-012	FIBER OPTIC ROUTE MARKER DETAILS	33
I-013	BRIDGE CONDUIT LAYOUT DETAILS	34
I-014	FIBERGLASS EXPANSION JOINT & HANGER DETAILS	35
I-015	SPLICING DIAGRAM	36
I-016	POWER SERVICE DETAILS	37

TOLLING TECHNOLOGY SHEET INDEX:

DRAWING NUMBER	DRAWING TITLE	SHEET NUMBER
T-002	GENERAL NOTES	38
T-003	OVERALL SITE PLAN	39
T-004	ENLARGED CIVIL SITE PLAN	40
T-005	ELECTRICAL SITE PLAN	41
T-006	AVI FRAME LAYOUT	42
T-007	TOLL EQUIPMENT CABINET DETAILS	43
T-008	POWER RISER DIAGRAM	44
T-009	POWER DISTRIBUTION DETAILS	45
T-010	GROUNDING AND LIGHTING DETAILS	46
T-011	DRY WELL & AC CONDESATE PROTECTION	47
T-012	GANTRY ELECTRICAL PLAN	48
T-013	GANTRY CONDUIT PLANS	49
T-014	TOLL EQUIPMENT CABLE TRAY DETAILS	50
T-015	GANTRY LIGHTING PROTECTION DETAILS	51
T-016	FIBER SPLICING DIAGRAM	52

STRUCTURAL SHEET INDEX:

DRAWING NUMBER	DRAWING TITLE	SHEET NUMBER
S-001	GANTRY GENERAL NOTES (1)	53
S-002	GANTRY GENERAL NOTES (2)	54
S-100	GANTRY SITE FOUNDATION LAYOUT	55
S-101	GANTRY SITE INTEGRAL WALL FOUNDATION	56
S-102	GANTRY SITE BORING LOCATION PLAN	57
S-103	GANTRY SITE REPORT BORINGS	58
S-110	GANTRY SB FRAMING PLAN	59
S-200	GANTRY SOUTHBOUND ELEVATION	60
S-300	GANTRY SITE TOLL SITE BARRIER WALL	61
S-500	GANTRY TYPICAL SECTION	62
S-501	GANTRY EQUIPMENT FRAMING SECTION	63
S-510	GANTRY UPRIGHT HANDHOLE DETAILS	64
S-520	GANTRY EQUIPMENT FRAMING (1)	65
S-521	GANTRY EQUIPMENT FRAMING (2)	66
S-522	GANTRY EQUIPMENT FRAMING (3)	67
S-530	GANTRY J-ARM DETAILS (1)	68
S-531	GANTRY J-ARM DETAILS (2)	69
S-532	GANTRY J-ARM DETAILS (3)	70
S-540	GANTRY SADDLE DETAIL (1)	71
S-541	GANTRY SADDLE DETAIL (2)	72
S-550	GANTRY U-BOLT DETAIL (1)	73
S-551	GANTRY U-BOLT DETAIL (2)	74
S-590	GANTRY WIREWAY MOUNTING DETAILS	75
S-600	GANTRY STRUCTURE DATA TABLES	76
S-700	EQUIPMENT PLATFORM PLANS	77
S-701	EQUIPMENT PLATFORM SECTIONS & DETAILS	78
S-702	EQUIPMENT PLATFORM SECTIONS & DETAILS	79

NO.	DSGN	DATE	DR	CHK	REVISION	APVD	BY	APVD

© JACOBS 2024. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

100% DESIGN DOCUMENTS

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

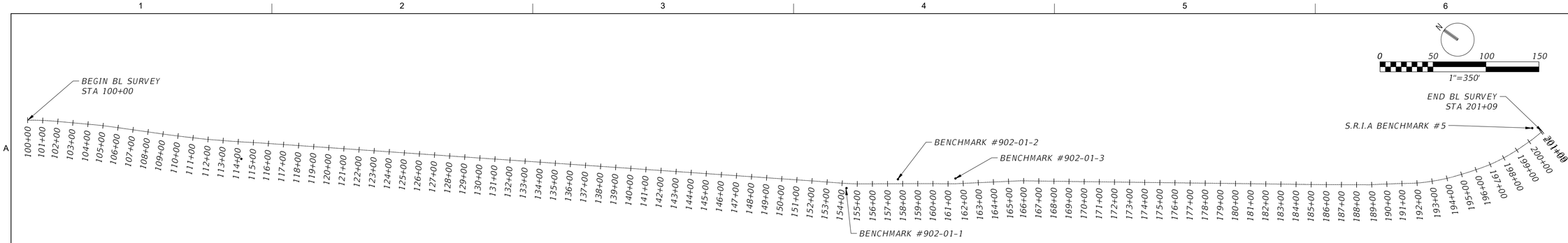
Jacobs

GENERAL
SHEET INDEX

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	G-002
SHEET	3 of 79

_Jacobs-SurveyFoot_2021_2D.dwg



BENCHMARK DATA:

BENCHMARK #902-01-1
N: 498205.975
E: 1132578.561
ELEV: 7.38'

BENCHMARK #902-01-2
N: 497959.015
E: 1132819.671
ELEV: 7.06'

BENCHMARK #902-01-3
N: 497648.761
E: 1133039.714
ELEV: 7.44'

S.R.I.A BENCHMARK #5
N: 494695.319
E: 1135475.670
ELEV: 6.79'

HORIZONTAL ALIGNMENT DATA

BEGIN BL-SURVEY
N 502,915.4285 E 1,129,882.3998 100+00.00

Curve (1)
BC N 502,915.4285 E 1,129,882.3998 100+00.00
CTR N 501,769.5566 E 1,128,246.0944
PI N 502,822.3224 E 1,129,947.6002

Direction Back S35° 00' 10"E
Radius 1,997.63'
Delta 6°30'48"(RT)
Length 227.09'
Tangent 113.67'
Chord Direction S31° 44' 46"E Distance 226.96'
Direction Ahead S28° 29' 22"E
EC N 502,722.4214 E 1,130,001.8183 102+27.09
Curve (1)

Line (2)
Non-Tangent Radial Bearing N61° 30' 38"E
S29° 22' 01"E 159.83'
N 502,583.1268 E 1,130,080.2009 103+86.92
Line (2)

Non-Tangent Radial Bearing N60° 00' 03"E
Curve (3)
BC N 502,583.1268 E 1,130,080.2009 103+86.92
CTR N 501,082.8206 E 1,127,481.5005
PI N 502,499.5441 E 1,130,128.4557

Direction Back S29° 59' 57"E
Radius 3,000.69'
Delta 3°41'04"(RT)
Length 192.96'
Tangent 96.51'
Chord Direction S28° 09' 25"E Distance 192.92'
Direction Ahead S26° 18' 53"E
EC N 502,413.0333 E 1,130,171.2397 105+79.88
Curve (3)

Line (4)
Non-Tangent Radial Bearing N63° 41' 07"E
S26° 30' 15"E 360.14'
N 502,090.7454 E 1,130,331.9550 109+40.01
Line (4)

Non-Tangent Radial Bearing S62° 54' 17"W
Curve (5)
BC N 502,090.7454 E 1,130,331.9550 109+40.01
CTR N 506,724.2556 E 1,139,388.5073
PI N 501,980.7818 E 1,130,388.2145

Direction Back S27° 05' 43"E
Radius 10,173.03'
Delta 1°23'29"(LT)
Length 247.03'
Tangent 123.52'
Chord Direction S27° 47' 27"E Distance 247.02'
Direction Ahead S28° 29' 11"E
EC N 501,872.2167 E 1,130,447.1274 111+87.04
Curve (5)
Line (6)
Non-Tangent Radial Bearing S61° 30' 49"W
S30° 04' 13"E 151.15'
N 501,741.4060 E 1,130,522.8653 113+38.20
Line (6)

Non-Tangent Radial Bearing S59° 56' 21"W
Curve (7)
BC N 501,741.4060 E 1,130,522.8653 113+38.20
CTR N 504,655.2524 E 1,135,557.4480
PI N 501,654.0037 E 1,130,573.4508

Direction Back S30° 03' 39"E
Radius 5,817.00'
Delta 1°59'21"(LT)
Length 201.95'
Tangent 100.99'
Chord Direction S31° 03' 19"E Distance 201.94'
Direction Ahead S32° 03' 00"E
EC N 501,568.4099 E 1,130,627.0395 115+40.15
Curve (7)

Line (8)
Non-Tangent Radial Bearing S57° 57' 00"W
S30° 35' 48"E 3,661.93'
N 498,416.3262 E 1,132,490.9362 152+02.08
Line (8)

Line (9)
Non-Tangent Radial Bearing S57° 57' 00"W
S30° 10' 52"E 224.62'
N 498,222.1534 E 1,132,603.8617 154+26.70
Line (9)

Non-Tangent Radial Bearing S58° 27' 35"W
Curve (10)
BC N 498,222.1534 E 1,132,603.8617 154+26.70
CTR N 499,196.6460 E 1,134,191.5871
PI N 498,187.9344 E 1,132,624.8642

Direction Back S31° 32' 25"E
Radius 1,862.93'
Delta 2°28'10"(LT)
Length 80.29'
Tangent 40.15'
Chord Direction S32° 46' 30"E Distance 80.28'
Direction Ahead S34° 00' 34"E
EC N 498,154.6521 E 1,132,647.3214 155+06.99
Curve (10)

Line (11)
Non-Tangent Radial Bearing S55° 59' 26"W
S34° 43' 32"E 440.94'
N 497,792.2499 E 1,132,898.4988 159+47.93
Line (11)

Line (12)
Non-Tangent Radial Bearing S55° 59' 26"W
S34° 13' 30"E 192.37'
N 497,633.1937 E 1,133,006.6944 161+40.29
Line (12)

Line (13)
Non-Tangent Radial Bearing S55° 59' 26"W
S37° 07' 39"E 439.92'
N 497,282.4472 E 1,133,272.2260 165+80.21
Line (13)

Line (14)
Non-Tangent Radial Bearing S55° 59' 26"W
S33° 43' 24"E 344.41'
N 496,995.9886 E 1,133,463.4380 169+24.63
Line (14)

Line (15)
Non-Tangent Radial Bearing S55° 59' 26"W
S33° 49' 07"E 1,464.83'
N 495,779.0024 E 1,134,278.7090 183+89.46
Line (15)

Line (16)
Non-Tangent Radial Bearing S55° 59' 26"W
S33° 46' 16"E 149.64'
N 495,654.6141 E 1,134,361.8891 185+39.09
Line (16)

Line (17)
Non-Tangent Radial Bearing S55° 59' 26"W
S34° 18' 59"E 349.61'
N 495,365.8593 E 1,134,558.9850 188+88.70
Line (17)

Non-Tangent Radial Bearing N51° 56' 53"E
Curve (18)
BC N 495,365.8593 E 1,134,558.9850 188+88.70
CTR N 493,401.1402 E 1,132,048.9571
PI N 495,324.3653 E 1,134,591.4643

Direction Back S38° 03' 07"E
Radius 3,187.53'
Delta 1°53'39"(RT)
Length 105.38'
Tangent 52.69'
Chord Direction S37° 06' 18"E Distance 105.37'
Direction Ahead S36° 09' 28"E
EC N 495,281.8204 E 1,134,622.5544 189+94.08
Curve (18)

Compound Curve

Non-Tangent Radial Bearing N52° 39' 45"E
Curve (19)
BC N 495,281.8204 E 1,134,622.5544 189+94.08
CTR N 492,929.0565 E 1,131,538.2856
PI N 495,221.8767 E 1,134,668.2811

Direction Back S37° 20' 15"E
Radius 3,879.20'
Delta 2°13'37"(RT)
Length 150.77'
Tangent 75.39'
Chord Direction S36° 13' 26"E Distance 150.76'
Direction Ahead S35° 06' 38"E
EC N 495,160.2016 E 1,134,711.6441 191+44.85
Curve (19)

Reversing Curve

Non-Tangent Radial Bearing S54° 30' 29"W
Curve (20)
BC N 495,160.2016 E 1,134,711.6441 191+44.85
CTR N 495,737.8575 E 1,135,521.7273
PI N 495,098.4063 E 1,134,755.7092

Direction Back S35° 29' 31"E
Radius 994.95'
Delta 8°43'28"(LT)
Length 151.50'
Tangent 75.90'
Chord Direction S39° 51' 15"E Distance 151.35'
Direction Ahead S44° 12' 59"E
EC N 495,044.0100 E 1,134,808.6377 192+96.35
Curve (20)

Compound Curve

Non-Tangent Radial Bearing S47° 10' 34"W
Curve (21)
BC N 495,044.0100 E 1,134,808.6377 192+96.35
CTR N 495,864.1975 E 1,135,693.6185
PI N 494,972.3473 E 1,134,875.0536

Direction Back S42° 49' 26"E
Radius 1,206.61'
Delta 9°15'32"(LT)
Length 194.99'
Tangent 97.71'
Chord Direction S47° 27' 12"E Distance 194.78'
Direction Ahead S52° 04' 59"E
EC N 494,912.3046 E 1,134,952.1345 194+91.34
Curve (21)

Compound Curve

Non-Tangent Radial Bearing S39° 15' 37"W
Curve (22)
BC N 494,912.3046 E 1,134,952.1345 194+91.34
CTR N 496,718.1977 E 1,136,428.1466
PI N 494,849.0705 E 1,135,029.5011

Direction Back S50° 44' 23"E
Radius 2,332.35'
Delta 4°54'22"(LT)
Length 199.72'
Tangent 99.92'
Chord Direction S53° 11' 35"E Distance 199.66'
Direction Ahead S55° 38' 46"E
EC N 494,792.6849 E 1,135,111.9923 196+91.06
Curve (22)

Compound Curve

Non-Tangent Radial Bearing S32° 14' 28"W
Curve (23)
BC N 494,792.6849 E 1,135,111.9923 196+91.06
CTR N 495,838.4744 E 1,135,771.6065
PI N 494,731.8338 E 1,135,208.4690

Direction Back S57° 45' 32"E
Radius 1,236.43'
Delta 10°32'29"(LT)
Length 227.48'
Tangent 114.06'
Chord Direction S63° 01' 47"E Distance 227.16'
Direction Ahead S68° 18' 02"E
EC N 494,689.6600 E 1,135,314.4500 199+18.54
Curve (23)

Line (24)
Non-Tangent Radial Bearing S21° 41' 58"W
S69° 12' 41"E 101.63'
N 494,653.5900 E 1,135,409.4620 200+20.17
Line (24)

Line (25)
Non-Tangent Radial Bearing S21° 41' 58"W
S73° 25' 22"E 89.27'
N 494,628.1209 E 1,135,495.0204 201+09.44
Line (25)

N 494,628.1209 E 1,135,495.0204 201+09.44
END BL-SURVEY

NO.	DSGN	DATE	REVISION	CHK	DR	APVD	BY	APVD

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

GENERAL
HORIZONTAL CONTROL

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	G-003
SHEET	4 of 79

100% DESIGN DOCUMENTS

© JACOBS 2024. ALL RIGHTS RESERVED.
THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
REUSE OF DOCUMENTS

_Jacobs-SurveyFoot_2021_2D.dwg

GENERAL NOTES:

1. THE CONTRACTORS SHALL NOTIFY THE COUNTY ENGINEER OR DESIGNEE 48 HOURS PRIOR TO CONSTRUCTION
2. ALL CONDITIONS AND STIPULATIONS OF THE CONSTRUCTION PERMITS AND THE APPROVALS ISSUED BY THE ESCAMBIA COUNTY ENGINEER SHALL BE COMPLIED WITH IN EVERY DETAIL.
3. ALL ROADS DAMAGED BY CONSTRUCTION OPERATIONS ARE TO BE PATCHED OR RECONSTRUCTED AS DIRECTED BY THE COUNTY ENGINEER OR DESIGNEE.
4. THE CONTRACTOR SHALL TAKE STEPS NECESSARY TO PREVENT EROSION AND ANY OFF SITE SEDIMENT TRANSPORT RESULTING FROM INCREASED RUNOFF DURING CONSTRUCTION BY PROVIDING SILT FENCE AND/OR STAKED HAY BALES AS REQUIRED BY FDOT STANDARD SPECIFICATIONS, THE FLORIDA STORMWATER, EROSION, AND SEDIMENT CONTROL INSPECTOR'S MANUAL, 2013 EDITION, OR AS INDICATED ON THE PLANS. ALL EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL ASSOCIATED DISTURBED AREAS ARE STABILIZED AS TO REDUCE SEDIMENT RUNOFF, UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR DESIGNEE.
5. ANY NECESSARY PERMITS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. ESCAMBIA COUNTY OR ITS DESIGNEE WILL ASSIST CONTRACTOR WITH REQUIRED PERMITS.
6. THE CONTRACTOR IS CAUTIONED TO VISIT THE SITE AND FAMILIARIZE HIMSELF WITH THE PROJECT PRIOR TO BIDDING AND/OR CONSTRUCTION.
7. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PRESERVE OR RELOCATE ALL BENCHMARKS (VERTICAL CONTROLS) AS NEEDED DURING CONSTRUCTION. ALL PUBLIC OR PRIVATE CORNER MONUMENTATION SHALL BE PROTECTED. IF A PUBLIC OR PRIVATE CORNER MONUMENTATION IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR DESIGNEE IMMEDIATELY. ANY ESCAMBIA COUNTY HARN/GPS NETWORK MONUMENTS OR BUREAU OF SURVEY AND MAPPING GPS NETWORK MONUMENTS ARE DISTURBED OR DESTROYED THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF THE MONUMENTS AND HAVE THE MONUMENTS POSITION DETERMINED BY A FLORIDA LICENSED PROFESSIONAL SURVEYOR AND MAPPER USING GUIDELINES AS ESTABLISHED BY NATIONAL GEODETIC SURVEY FOR BLUE BOOKING AND APPROVAL.
8. EXISTING DRAINAGE FEATURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
9. THE CONTRACTOR SHALL MATCH EXISTING CONDITIONS AT THE BEGINNING AND END OF CONSTRUCTION AS DIRECTED BY THE COUNTY ENGINEER OR DESIGNEE.
10. EXISTING STREETS AND DRIVES SHALL BE MAINTAINED TO LOCAL TRAFFIC AND PROPERTY OWNERS.
11. ALL ROADWAY CONSTRUCTION SHALL COMPLY WITH THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS LATEST EDITION.
12. ALL MATERIALS, TESTING AND CONSTRUCTION METHODS SHALL CONFORM TO THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS, LATEST EDITION.
13. ANY REFERENCE TO FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, DIVISION 1, GENERAL REQUIREMENTS AND COVENANTS, SHALL BE EXCLUDED AND NOT APPLICABLE TO ANY SPECIFICATION REFERRED HEREIN OR OTHERWISE LISTED IN THESE PLANS OR RELATED DOCUMENTS OR THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS.
14. EXISTING STREET AND ROAD NAME SIGNS ON THE PROJECT SHALL BE KEPT VISIBLE AT ALL TIMES FOR THE FACILITATION OF ACCESS BY EMERGENCY VEHICLES. ALL OTHER EXISTING SIGNS THAT CONFLICT WITH CONSTRUCTION OPERATIONS SHALL BE TAKEN DOWN AND STOCKPILED WITHIN THE R/W LIMITS BY THE CONTRACTOR AS DIRECTED BY THE COUNTY ENGINEER OR DESIGNEE. ANY EXISTING SIGNS THAT ARE TO BE RELOCATED AND ARE DAMAGED BEYOND USE BY THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
15. THE CONTRACTOR SHALL MAINTAIN AT LEAST ONE 10' OPEN LANE AT ALL TIMES. NO OPEN EXCAVATION SHALL REMAIN OVER NIGHT. CONTRACTOR SHALL RESTORE ROAD TO TWO LANES OF TRAFFIC AT THE END OF EACH WORK DAY.
16. CONTRACTOR SHALL COMPLY WITH ALL F.D.E.P. AND ARMY CORP. OF ENGINEERS REQUIREMENTS.
17. ONLY ACCESS TO THE ROAD R/W AS SHOWN IS GUARANTEED BY THE COUNTY. PRIVATE R/W REQUIRE BY THE CONTRACTOR TO FACILITATE CONSTRUCTION SHALL BE ACQUIRED BY THE CONTRACTOR WITH NO ADDITIONAL COMPENSATION OR ASSISTANCE FROM THE COUNTY.
18. IN THE EVENT THAT SURVEY MONUMENTATION OR REFERENCE POINTS ARE MISSING OR HAVE BEEN DESTROYED, PLEASE CONTACT:

    JOE BARRET, PSM
    ESCAMBIA COUNTY SURVEYOR
    3363 WEST PARK PLACE
    PENSACOLA, FLORIDA 32505 PH (850) 595-3427

19. VEGETATION ON R/W AND EASEMENTS SHALL BE RESTORED TO ORIGINAL CONDITION UNLESS OTHERWISE NOTED ON THE PLAN SHEETS. COST OF SAID RESTORATION SHALL BE CONSIDERED INCIDENTAL TO OTHER PAY ITEMS.
20. ALL TREES WITHIN LIMITS OF CONSTRUCTION SHALL BE PROTECTED UNLESS OTHERWISE NOTES IN THE PLANS.
21. ALL COMPACTED FILL SHALL BE PLACED IN 8" LIFTS FOR HAND POWERED TAMPERS AND 12 LIFTS FOR HEAVY EQUIPMENT OPERATED TAMPERS.
22. MAINTENANCE OF TRAFFIC AS PER FDOT STANDARD PLANS INDEX 102-600 FY 2025/26.
23. ALL SIDEWALKS, SHARED PATH WALKWAYS, AND CURB RAMPS ARE TO BE BUILT TO ADA STANDARDS USING THE LATEST EDITION OF THE DESIGN STANDARDS PARK ADA REQUIREMENTS AND PUBLIC RIGHT OF WAY ACCESSIBILITY GUIDELINES (PROWAG)
24. WHERE UNSUITABLE MATERIAL AS DEFINED BY THE COUNTY SPECIFICATIONS SECTION 02300, 1.3(I), IS ENCOUNTERED IN THE AREAS PROPOSED FOR PAVING, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE COUNTY ENGINEER OR DESIGNEE PRIOR TO ANY EXCAVATION.
25. THE CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS DURING CONSTRUCTION WHICH SHOW "AS-BUILT" CONDITIONS OF ALL WORK INCLUDING PIPING, DRAINAGE STRUCTURES, TOPO OF POND(S), OUTLET STRUCTURES, DIMENSIONS, ELEVATIONS, GRADING, ETC. RECORD DRAWINGS SHALL BE PROVIDED TO THE ENGINEER OF RECORD PRIOR TO REQUESTING FINAL INSPECTION.
26. ANY DEVIATIONS FROM THE APPROVED PLANS OR SPECIFICATIONS SHALL REQUIRE ADVANCED APPROVAL FROM THE ENGINEER OF RECORD IN WRITING. ANY POTENTIAL CHANGE ORDERS SHALL BE ALL APPROVED BY ESCAMBIA COUNTY IN WRITING PRIOR TO BEGINNING THE ASSOCIATED WORK.
27. IF ARCHAEOLOGICAL MATERIAL/PREHISTORIC ARTIFACTS SUCH AS POTTERY OR CERAMICS, STONE TOOLS OR METAL IMPLEMENTS, OR ANY OTHER PHYSICAL REMAINS THAT COULD BE ASSOCIATED AT ANY TIME, THE PROJECT SHOULD CEASE ALL ACTIVITIES INVOLVING SUBSURFACE DISTURBANCE IN THE IMMEDIATE VICINITY OF SUCH DISCOVERIES. THE APPLICANT/RECIPIENT, OR OTHER DESIGNEE, SHOULD CONTACT THE FLORIDA DEPARTMENT OF STATE, DIVISION OF HISTORICAL RESOURCES, THE STATE HISTORIC PRESERVATION OFFICER (SHPO) AND THE DSH/FEMA REGION IV ENVIRONMENTAL OFFICER AND FDEM STATE ENVIRONMENTAL LIAISON OFFICER FOR FURTHER GUIDANCE. PROJECT ACTIVITIES SHOULD NOT RESUME WITHOUT VERBAL AND/OR WRITTEN AUTHORIZATION FROM THE DIVISION OF HISTORICAL RESOURCES.
28. IN THE EVENT THAT UNMARKED HUMAN REMAINS ARE ENCOUNTERED DURING PERMITTED ACTIVITIES, ALL WORK MUST STOP IMMEDIATELY AND THE PROPER AUTHORITIES NOTIFIED IN ACCORDANCE WITH F.S. 872.05.
29. SIDEWALKS, GUTTERS, DRAINS, FIRE HYDRANTS, AND PRIVATE DRIVES SHALL BE KEPT IN GOOD CONDITION FOR THEIR INTENDED USES. FIRE HYDRANTS ON OR ADJACENT TO THE WORK SHALL BE KEPT ACCESSIBLE TO FIRE APPARATUS AT ALL TIMES, AND NO MATERIAL OR OBSTRUCTION SHALL BE PLACED WITHIN TEN(10) FEET OF ANY SUCH HYDRANT.
30. ALL FILL MATERIAL SHALL BE WHITE SAND IN ACCORDANCE TO THE ESCAMBIA COUNTY DESIGN STANDARDS MANUAL, CHAPTER 2, ARTICLE 1, SECTION 1-5.

UTILITY NOTES:

1. THE LOCATION SHOWN FOR EXISTING UNDERGROUND UTILITIES IS APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK IN EACH AREA. THE CONTRACTOR AGREES TO BE COMPLETELY RESPONSIBLE FOR ALL DAMAGES WHICH MIGHT OCCUR BY HIS FAILURE TO EXACTLY TO LOCATE AND PRESERVE ALL UTILITIES.
2. UTILITY OWNERS SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION SO THAT THE UTILITY OWNER CAN SPOT VERIFY AND/OR EXPOSE THEIR UTILITIES. KNOWN UTILITIES OWNERS INCLUDE:

    SEWER/WATER - EMERALD COAST UTILITY AUTHORITY
    DAVID LIECHTY
    BOX 17089
    PENSACOLA, FL 32522 PH: (850) 969-6631
    DAVID.LIECHTY@ECUA.FL.GOV

    TELEPHONE - AT&T FLORIDA
    TOM MANNING
    6689 E. MAGNOLIA STREET
    MILTON, FLORIDA 32570 PH: (850) 436-5176
    TM2709@ATT.COM

    TRAFFIC DEPARTMENT - ESCAMBIA COUNTY PUBLIC WORKS
    ANDREA LUGAR
    3363 WEST PARK PLACE
    PENSACOLA, FL. 32503 PH: (850) 595-3639
    ARLUGAR@MYESCAMBIA.COM

    NATURAL GAS- GULF BREEZE GAS
    STACY CLEARMAN
    1070 SHORELINE DRIVE
    GULF BREEZE, FL 32561
    SCLEARMAN@GULFBREEZEFL.GOV

    CABLE - COX CABLE
    TROY YOUNG
    3405 MCLEMORE DRIVE
    PENSACOLA, FL. 32514 PH: (850) 232-5044
    TROY.YOUNG@COX.COM

    FIBER - UNITI FIBER
    GABE WATSON
    11196 US-31
    SPANISH FORT, AL PH: (251) 391-8759
    GABE.WATSON@UNITI.COM

    SUNSINE STATE ONE-CALL
    7200 LAKE ELLENOR DRIVE, SUITE 200 D.
    ORLANDO, FL. 32809 PH: (800) 432-4770

3. ALL CABLE DAMAGE MUST BE REPORTED TO THE ATT FLORIDA REPAIR SERVICE DEPARTMENT AT 611 FROM A LAND LINE OR 877-737-2478 IF USING A CELL PHONE.
4. SANITARY SEWER AND WATER UTILITY TERMINATIONS SHALL BE COORDINATED WITH EMERALD COAST UTILITY AUTHORITY AND SHALL BE CONDUCTED IN ACCORDANCE WITH THE EMERALD COAST UTILITY AUTHORITY CONSTRUCTION DETAILS, LATEST ADDITION.
5. CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES AND UNDERGROUND UTILITIES
6. UTILITIES TO REMAIN AND BE PROTECTED DURING CONSTRUCTION. NECESSARY REPAIRS SHALL BE CONSIDERED INCIDENTAL TO OTHER PAY ITEMS AND SHALL BE TO THE SATISFACTION OF UTILITY OWNERS.

EROSION CONTROL NOTES:

1. EROSION CONTROL MEASURES SHOWN HERE ON ARE TO BE CONSIDERED THE MINIMUM INSTALLATION REQUIREMENTS.
2. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONTROL OF SEDIMENTATION AND PREVENTION OF EROSION WITHIN THE LIMITS OF THE PROJECT. CONTRACTOR SHALL PROVIDE ANY MATERIAL ITEM OR WORK EFFORT NECESSARY TO PREVENT EROSION AND TO MAINTAIN SEDIMENT ON-SITE THROUGHOUT THE DURATION OF CONSTRUCTION.

BEACH AND DUNE PRESERVATION NOTES:

1. SAND FENCING. SAND FENCING SHALL BE CONFIGURED IN A MANNER TO LIMIT POTENTIAL IMPACTS TO LISTED SPECIES

BARRIER ISLAND SAND NOTES:

1. PROTECTION REQUIRED. THE COUNTY RECOGNIZES THAT THE WHITE SANDS OF PERDIDO KEY AND PENSACOLA BEACH PROMOTE TOURISM AND ENHANCE THE QUALITY OF LIFE OF THE RESIDENTS OF THE COUNTY, AND THAT THE PERMANENT DISCOLORATION, DARKENING OR STAINING OF THE SANDS WOULD HARM THE PUBLIC WELFARE. TO MAINTAIN, PRESERVE AND PROTECT THE NATURAL FUNCTION AND COLOR OF THESE FINE TO MEDIUM GRAINED WHITE SANDS, THE IMPORTATION, USE, AND RELOCATION OF RED CLAY AND OTHER MATERIALS THAT TEND TO DISCOLOR, DARKEN OR STAIN THE NATURAL WHITE SANDS OF PERDIDO KEY AND SANTA ROSA ISLAND IS PROHIBITED. ADDITIONALLY, TRANSPORTATION OF PROHIBITED MATERIALS WHEN EXPOSED TO WIND OR WATER SHALL BE PREVENTED ON THE ISLANDS BY CONTAINMENT AND REMOVAL. APPROVED AND PROHIBITED MATERIAL SPECIFICATIONS ARE PROVIDED IN CHAPTER 2, BARRIER ISLAND SAND SECTION OF THE DESIGN STANDARDS MANUAL (DSM).
2. APPLICABILITY. THERE SHALL BE NO DISTINCTION MADE REGARDING THE APPLICABILITY OF THE PROVISIONS OF THIS SECTION BETWEEN PERDIDO KEY AND SANTA ROSA ISLAND SOIL MATERIAL. HOWEVER, THE COUNTY MAY, UPON SPECIFIC CONSIDERATION, DIFFERENTIATE BETWEEN THE ALLOWABLE SOIL MATERIAL OF THE GULF-FRONT BEACH, GULF-FRONT (PRIMARY) DUNES, SOUND SIDE BEACH, INTERIOR(SECONDARY) DUNES AND FORESTED ECOSYSTEMS.
3. PERMIT REQUIRED. ALL PROJECTS INVOLVING THE PLACEMENT OF SAND OR OTHER CONSTRUCTION OR LANDSCAPING MATERIALS ON SANTA ROSA ISLAND OR PERDIDO KEY SHALL REQUIRE COUNTY APPROVAL OF A REPRESENTATIVE SAMPLE OF THE MATERIALS ACCORDING TO THE COMPLIANCE REVIEW PROCESSES OF CHAPTER 2 PRIOR TO TRANSPORT ON THE BARRIER ISLANDS.
4. PROHIBITED IMPORTATION, TRANSFER AND USE. THE FOLLOWING PROHIBITIONS ON THE IMPORTATION, TRANSFER AND USE OF SOME MATERIALS ON BARRIER ISLANDS ARE BASED ON APPROVED AND PROHIBITED MATERIALS AS PRESCRIBED IN THIS SECTION:

    A. NO PERSON MAY IMPORT OR CAUSE TO BE IMPORTED ONTO SANTA ROSA ISLAND OR PERDIDO KEY ANY CONSTRUCTION OR LANDSCAPING MATERIAL WHICH IS NOT AN APPROVED MATERIAL.

    B. NO PERSON MAY USE, OR TRANSFER FOR USE, ANY PROHIBITED MATERIAL IN CONNECTION WITH ANY PAVING, ROAD SURFACING, FILLING, LANDSCAPING, CONSTRUCTION WORK OR ANY OTHER IMPROVEMENT TO REAL PROPERTY ON PERDIDO KEY OR SANTA ROSA ISLAND, WHETHER LEASED OR NOT.

    C. NO PERSON MAY TRANSFER FROM PARCEL TO PARCEL ANY CONSTRUCTION MATERIAL WHICH IS NOT AN APPROVED MATERIAL WHERE SUCH MATERIAL IS TO BE USED IN CONNECTION WITH ANY PAVING, ROAD SURFACING, FILLING, LANDSCAPING, CONSTRUCTION WORK OR ANY OTHER IMPROVEMENT TO REAL PROPERTY ON PERDIDO KEY OR SANTA ROSA ISLAND, WHETHER LEASED OR NOT.

5. REMOVAL OF PROHIBITED MATERIALS.

    A. GENERAL. ANY TIME RECONSTRUCTION, REDEVELOPMENT, IMPROVEMENT OR USE OF A SITE ON SANTA ROSA ISLAND OR PERDIDO KEY UNCOVERS OR EXPOSES "PROHIBITED MATERIALS" AS DEFINED IN DSM CHAPTER 2, BARRIER ISLAND SAND SECTION THOSE MATERIALS MUST BE IMMEDIATELY REMOVED FROM THE SITE AND RELOCATED OFF THE BARRIER ISLAND.

    B. UTILITIES. ANY TIME A UTILITY COMPANY, AUTHORITY, OR FRANCHISEE, WHICH HAS ACQUIRED USE OF THE COUNTY'S RIGHTS-OF-WAY, EASEMENTS OR OTHER INTEREST BY PERMISSION, AGREEMENT OR LAW TO PROVIDE SERVICES TO CONSUMERS, SHALL UNCOVER OR EXPOSE ANY PROHIBITED MATERIAL DURING THE INSTALLATION, MAINTENANCE, REPAIR OR REMOVAL OF ITS SYSTEM ON SANTA ROSA ISLAND OR PERDIDO KEY, IT SHALL REMOVE FROM THE BARRIER ISLAND THE PROHIBITED MATERIAL DISTURBED BY THE WORK AND REPLACE IT WITH APPROVED MATERIALS. THE PROHIBITED MATERIALS SHALL BE REMOVED IN SUCH A MANNER AS TO AVOID THEIR RELEASE BY WIND, WATER, OR OTHER MEANS ONTO ADJACENT LANDS OR WATERS.

    C. BCC APPROVED EXEMPTION. THE BCC MAY EXEMPT THE APPLICATION OF THESE REMOVAL PROVISIONS FOR PARTICULAR PROJECTS OR PARTS OF PROJECTS UPON DETERMINATION BY A FOUR-FIFTHS VOTE OF THE BOARD THAT AN EMERGENCY EXISTS AND THAT AN IMMEDIATE EXEMPTION IS REQUIRED TO PROTECT THE PUBLIC HEALTH, SAFETY OR WELFARE.

    REMOVAL TIME. THE REQUIREMENT FOR IMMEDIATE REMOVAL OF PROHIBITED MATERIALS MAY BE RELAXED IF THE MATERIALS ARE CONFIRMED TO BE CONTAINED IN SUCH A WAY AS TO PRECLUDE THEIR TRANSFER BY WIND, WATER OR OTHER MEANS WITHIN THE PARCEL OR ONTO ADJACENT PARCELS OR WATERS, AND IF THE DELAY IS OTHERWISE CONSISTENT WITH THE PURPOSE AND INTENT OF THIS SECTION. HOWEVER, PROHIBITED MATERIALS MAY REMAIN ON THE SITE WHERE EXPOSED OR ON THE BARRIER ISLAND FOR NO MORE THAN 48 HOURS. THE COUNTY SHALL PROMULGATE APPROVED METHODS OF CONTAINING AND TRANSPORTING PROHIBITED MATERIALS REQUIRED TO BE REMOVED.

6. APPROVED MATERIAL. APPROVED MATERIALS ARE THOSE CONSTRUCTIONS AND LANDSCAPING MATERIALS WHOSE MINERALOGICAL COMPOSITION IS WHITE FINE TO MEDIUM GRAINED QUARTZ SAND. HOWEVER, OYSTER SHELL, LIMESTONE OR WHITE DOLOMITE MAY BE USED FOR ROAD BED OR FOUNDATION CONSTRUCTION IF REASONABLY THE SAME COLOR AS APPROVED SAND AFTER EXPOSURE TO THE SUN AND NOT CONTAINING CLAY OR OTHER DISCOLORING, STAINING OR DARKENING MATERIAL. FOR THE PURPOSES OF THIS SECTION, WHITE FINE TO MEDIUM GRAINED QUARTZ SAND SHALL HAVE THE FOLLOWING CHARACTERISTICS:

    A. COLOR. A MUNSELL COLOR CHART VALUE OF 9.25 OR WHITER AND A CHROMA OF 0.5 OR LESS ON THE 2.5, 5, 7.5 OR 10YR SCALE WHEN CHECKED IN AN AIR DRY CONDITION.

    B. GRAIN SIZE. A GRAIN SIZE OF 75 PERCENT OF THE SAMPLE BY WEIGHT BETWEEN 0.43 MILLIMETERS (MM) AND 0.08 MM, WITH THE REMAINING 25 PERCENT BEING COARSER THAN 0.43 MM BUT NOT LARGER THAN 1.0 MM AS DESCRIBED UNDER THE UNIFIED SOIL CLASSIFICATION SYSTEM. THIS CORRESPONDS TO THE NUMBER 40-200 SIEVE SIZES FOR GRADATION CURVE ANALYSIS.

7. PROHIBITED MATERIAL. PROHIBITED MATERIALS ARE ANY DARKENING, DISCOLORING OR STAINING MATERIALS HAVING THE ABILITY TO PERMANENTLY (GREATER THAN SIX MONTHS) CHANGE THE COLOR OR DARKEN THE NATURAL WHITE SANDS OF SANTA ROSA ISLAND OR PERDIDO KEY, OR ANY APPROVED MATERIALS, WHENEVER COMING INTO CONTACT WITH THEM. PROHIBITED MATERIALS INCLUDE ANY WITH THE FOLLOWING CHARACTERISTICS:

    A. COLOR. A COLOR DARKER THAN THE COLOR REQUIRED FOR APPROVED MATERIALS.

    B. GRAIN SIZE. A GRAIN SIZE WITH OVER TEN PERCENT BY WEIGHT OF THE SAMPLE OUTSIDE THE RANGE REQUIRED FOR APPROVED MATERIALS.

    C. COMPOSITION OR CHARACTER. ANY MATERIAL WHICH, IN WHOLE OR IN PART, IS COMPOSED OF OR CONTAINS CLAY OR ANY OTHER SUBSTANCE THAT WOULD DARKEN, STAIN OR DISCOLOR THE NATURAL BARRIER ISLAND SANDS OR APPROVED MATERIAL.

NO.	DATE	DSGN	REVISION	CHK	DR	APVD	BY	APVD

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

CIVIL
GENERAL NOTES

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	C-001
SHEET	5 of 79

100% DESIGN DOCUMENTS

© JACOBS 2024. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.



_Jacobs-SurveyFoot_2021_2D.dwg

NO.	DATE	DR	REVISION	CHK	APVD	BY	APVD
DSGN							

© JACOBS 2024. ALL RIGHTS RESERVED.
UNPUBLISHED WORK AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

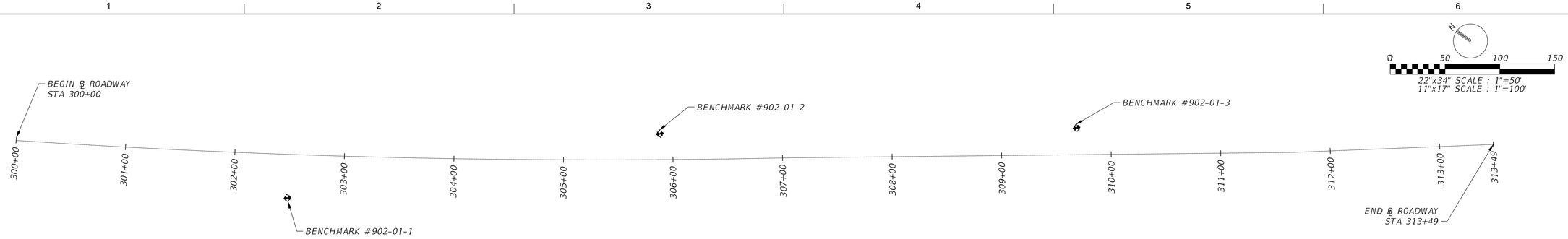
CIVIL
DRAWING LAYOUT

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	C-002
SHEET	6 of 79

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

100% DESIGN DOCUMENTS



BENCHMARK DATA:

BENCHMARK #902-01-1
N: 498205.975
E: 1132578.561
ELEV: 7.38'

BENCHMARK #902-01-2
N: 497959.015
E: 1132819.671
ELEV: 7.06'

BENCHMARK #902-01-3
N: 497648.761
E: 1133039.714
ELEV: 7.44'

HORIZONTAL ALIGNMENT DATA:

Begin BL-ROADWAY
N 498,438.61 E 1,132,479.23 300+00.00

Curve (1)
BC N 498,438.61 E 1,132,479.23 300+00.00
CTR N 502,525.31 E 1,139,356.65
PI N 498,135.23 E 1,132,659.50

Direction Back S30° 43' E
Radius 8,000.00'
Delta 5°(LT)
Length 705.34'
Tangent 352.90'
Chord Direction S33° 15' E Distance 705.11'
Direction Ahead S35° 46' E

EC N 497,848.90 E 1,132,865.79 307+05.34
Curve (1)

Line (2)
Non-Tangent Radial Bearing S54° 14' W
S35° 09' E 460.61'
N 497,472.30 E 1,133,130.98 311+65.94
Line (2)

Line (3)
Non-Tangent Radial Bearing S54° 14' W
S36° 48' E 183.05'
N 497,325.73 E 1,133,240.63 313+48.99
Line (3)

N 497,325.73 E 1,133,240.63 313+48.99
End BL-ROADWAY

NO.	DATE	DSGN	REVISION	DR	CHK	APVD	BY	APVD

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

CIVIL
HORIZONTAL CONTROL

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	C-003
SHEET	7 of 79

100% DESIGN DOCUMENTS

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

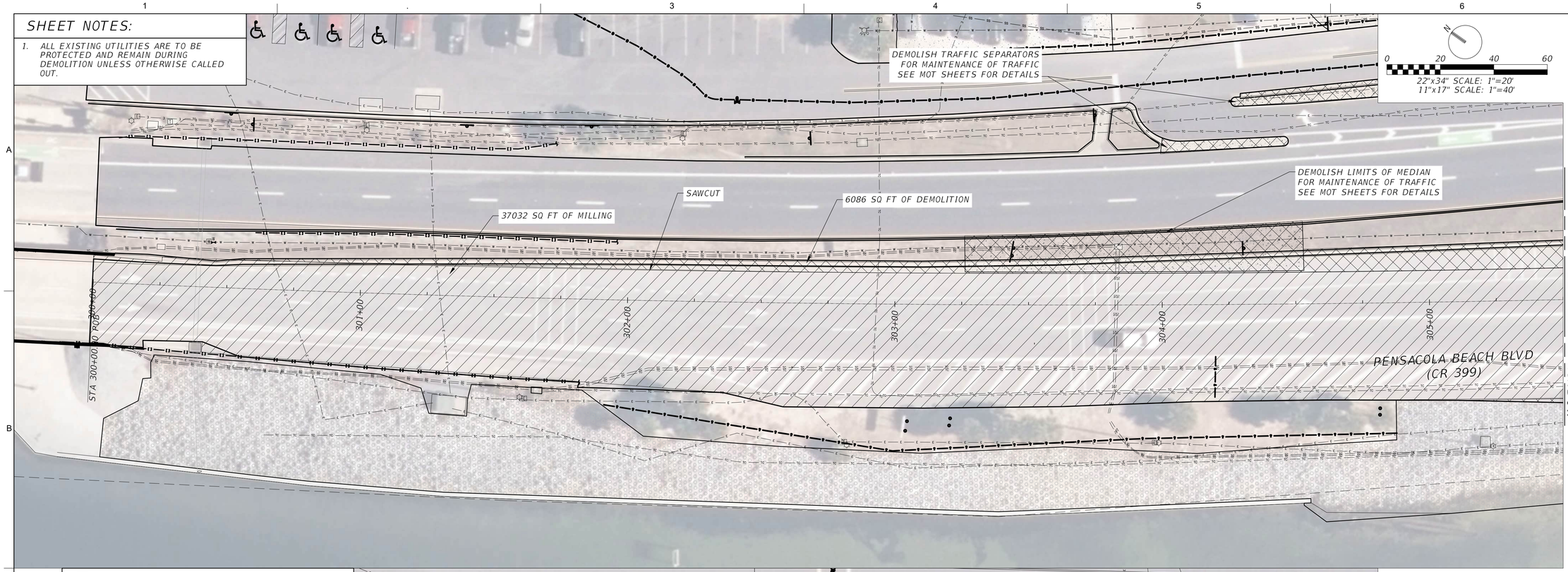
© JACOBS 2024. ALL RIGHTS RESERVED.

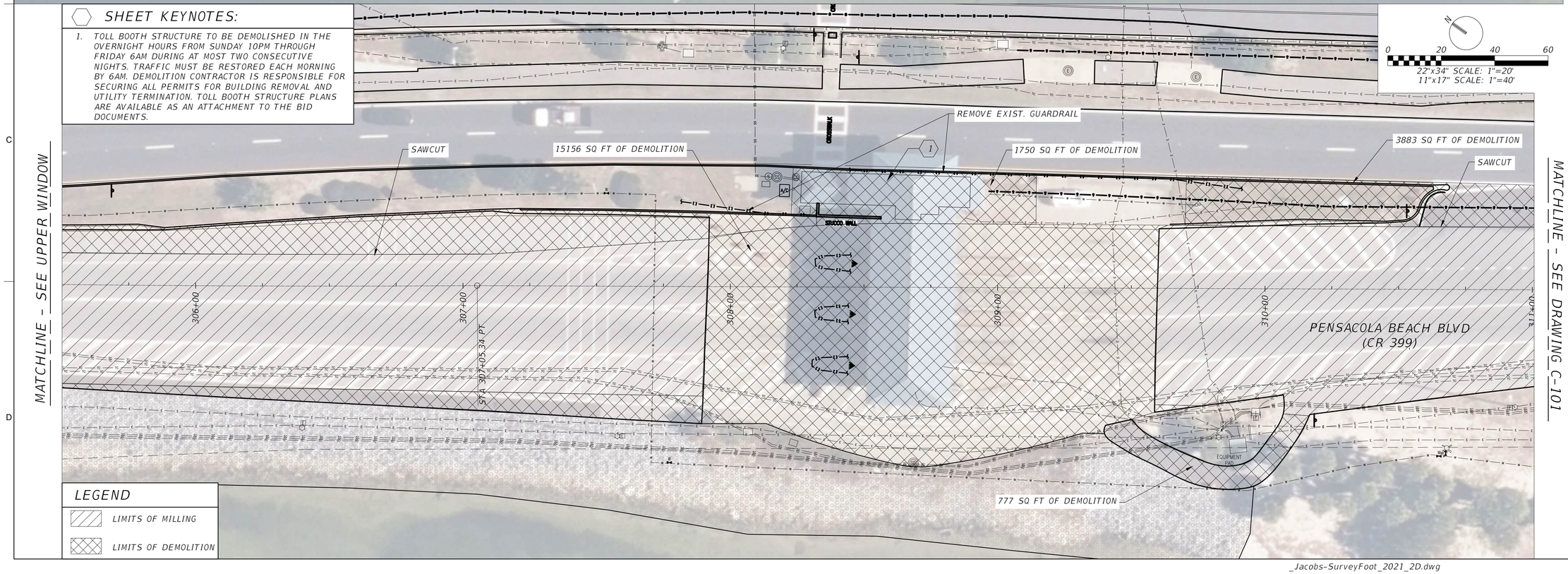
SHEET NOTES:

1. ALL EXISTING UTILITIES ARE TO BE PROTECTED AND REMAIN DURING DEMOLITION UNLESS OTHERWISE CALLED OUT.

SHEET KEYNOTES:

1. TOLL BOOTH STRUCTURE TO BE DEMOLISHED IN THE OVERNIGHT HOURS FROM SUNDAY 10PM THROUGH FRIDAY 6AM DURING AT MOST TWO CONSECUTIVE NIGHTS. TRAFFIC MUST BE RESTORED EACH MORNING BY 6AM. DEMOLITION CONTRACTOR IS RESPONSIBLE FOR SECURING ALL PERMITS FOR BUILDING REMOVAL AND UTILITY TERMINATION. TOLL BOOTH STRUCTURE PLANS ARE AVAILABLE AS AN ATTACHMENT TO THE BID DOCUMENTS.





LEGEND

- LIMITS OF MILLING
- LIMITS OF DEMOLITION

NO.	DATE	REVISION	DR	CHK	APVD	BY	APVD
DSGN							

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

CIVIL
EXISTING CONDITIONS AND DEMOLITION PLANS
STA 3000+00 TO STA 311+00

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	C-100
SHEET	8 of 79

100% DESIGN DOCUMENTS

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

© JACOBS 2024. ALL RIGHTS RESERVED.

_Jacobs-SurveyFoot_2021_2D.dwg



SHEET NOTES:

1. ALL EXISTING UTILITIES ARE TO BE PROTECTED AND REMAIN DURING DEMOLITION UNLESS OTHERWISE CALLED OUT.

LEGEND

- LIMITS OF MILLING
- LIMITS OF DEMOLITION

NO.	DSGN	DATE	REVISION	DR	CHK	APVD	BY	APVD

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

CIVIL
EXISTING CONDITIONS AND DEMOLITION PLANS
STA 311+00 TO STA 313+50

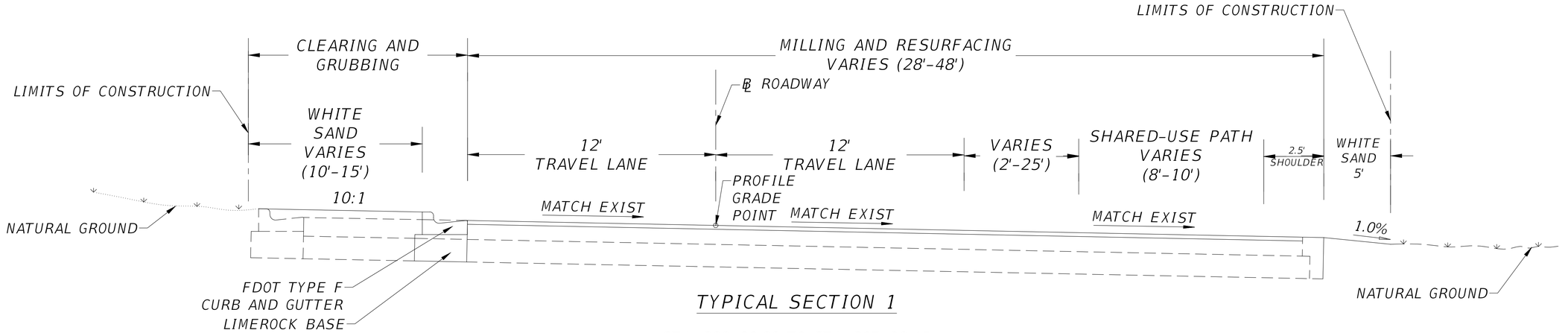
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	C-101
SHEET	9 of 79

100% DESIGN DOCUMENTS

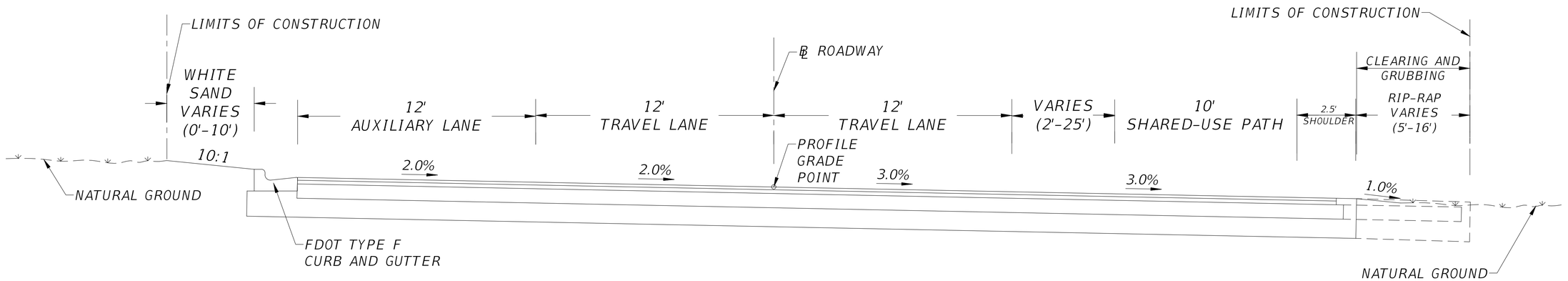
© JACOBS 2024. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

_Jacobs-SurveyFoot_2021_2D.dwg



TYPICAL SECTION 1

STA. 300+00.00 TO STA. 307+90.45
STA. 309+59.39 TO STA. 313+48.99
MILLING & RESURFACING
MILL EXISTING ASPHALT (2" AVG. DEPTH)
2" TYPE SP-12.5 (PG 76-22)



TYPICAL SECTION 2

STA. 307+90.45 TO STA. 309+59.39
NEW CONSTRUCTION
1-1/2" TYPE SP-9.5 (PG 76-22)
2" TYPE SP-12.5 (PG 76-22)
8" BAHAMA STONE BASE
6" BAHAMA STONE SUBBASE

NOTES:
1. DESIGN SPEED: 35 MPH
2. AADT: 23500
3. BASE SHALL BE PLACED IN TWO LIFTS AND COMPACTED TO A MINIMUM OF 100% OF MODIFIED PROCTOR DENSITY (ASTM D1557)
4. SUBBASE SHALL BE COMPACTED UNTIL FIRM AND NON-YIELDING.

NO.	DATE	REVISION	DR	CHK	APVD	BY	APVD
DSGN							

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

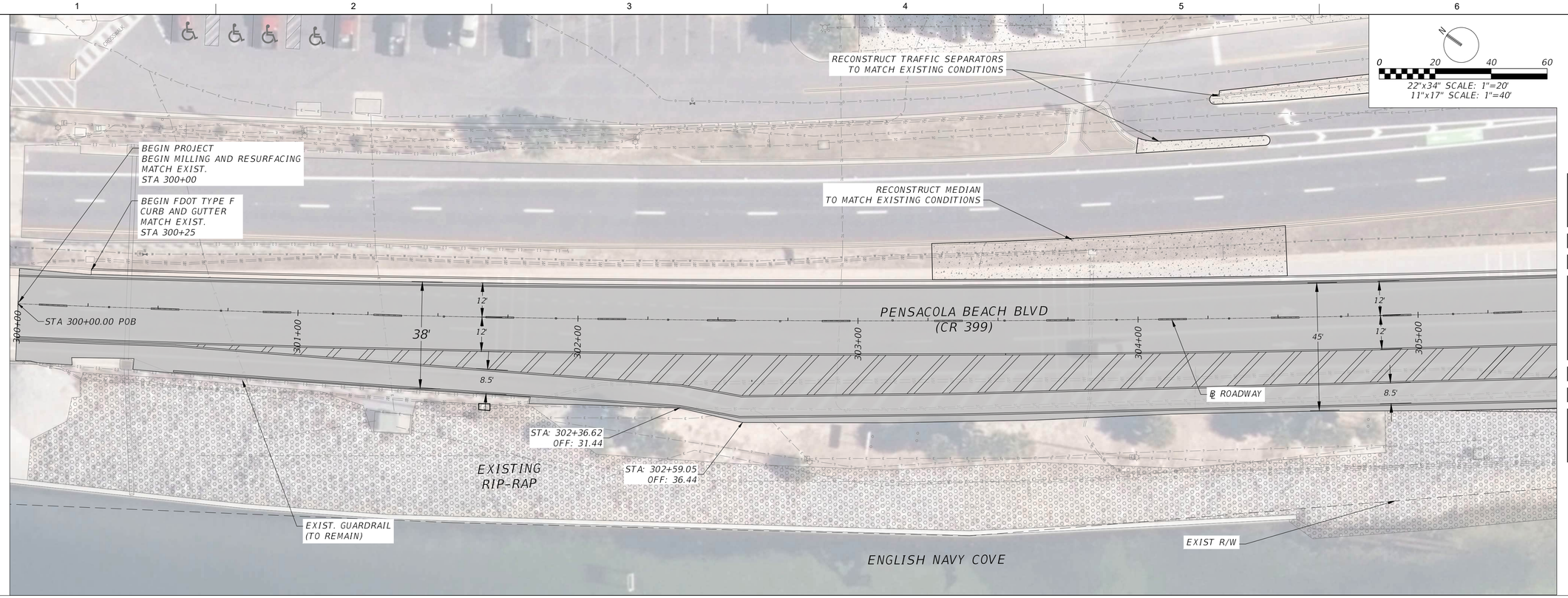
CIVIL
TYPICAL SECTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	C-150
SHEET	10 of 7.

100% DESIGN DOCUMENTS

© JACOBS 2024. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

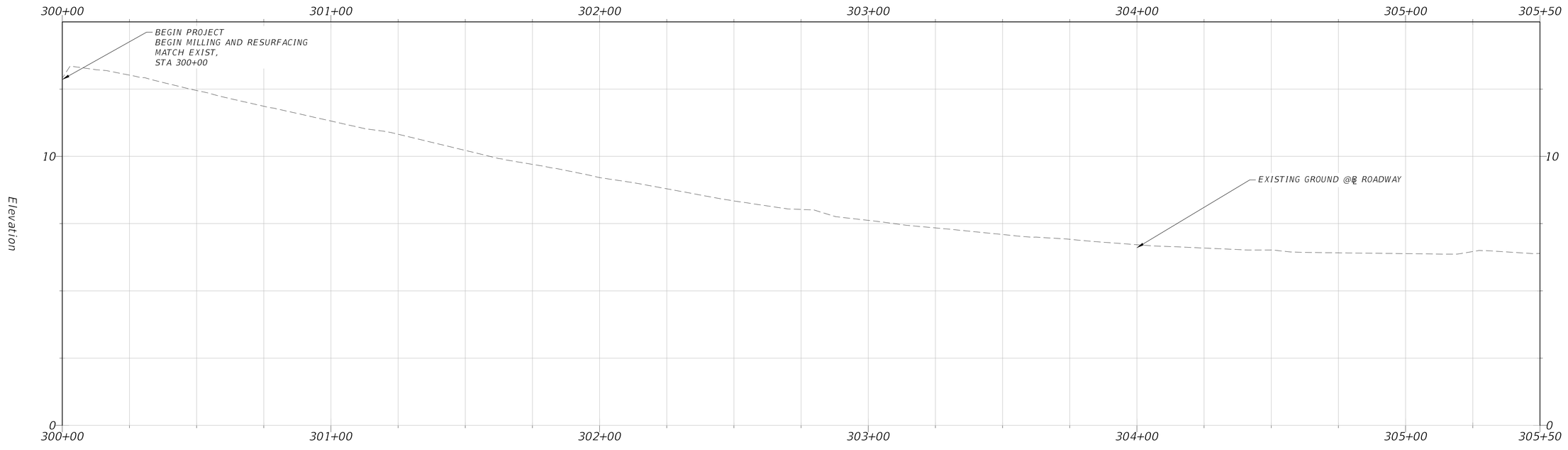


MATCHLINE - SEE DRAWING C-202

PBL-ROADWAY PROFILE

PROFILE SCALE (11"x17"):
1"=80' HORIZONTAL
1"=8' VERTICAL

PROFILE SCALE (22"x34"):
1"=40' HORIZONTAL
1"=4' VERTICAL



NO.	DATE	DSGN	DR	CHK	APVD	BY	APVD
			REVISION				

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

CIVIL
PLAN AND PROFILE
STA 300+00 TO STA 305+50

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	C-201
SHEET	11 of 79

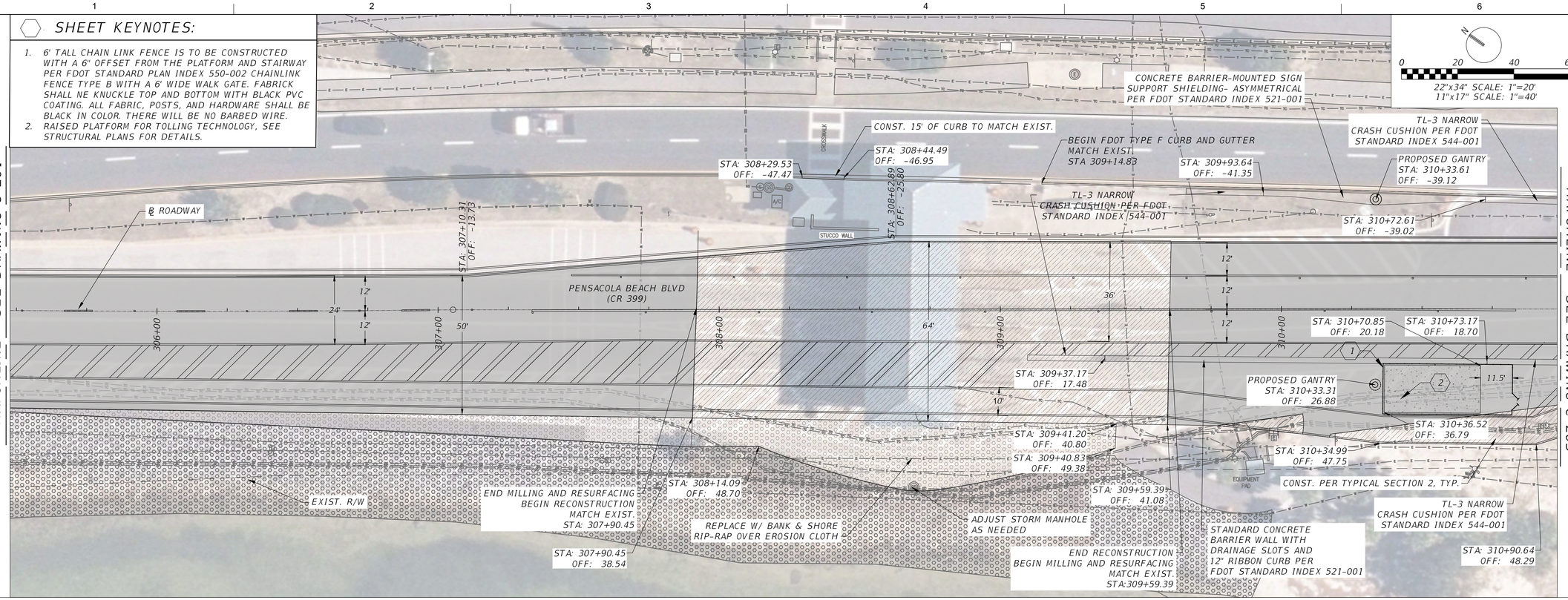
100% DESIGN DOCUMENTS

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

© JACOBS 2024. ALL RIGHTS RESERVED.

SHEET KEYNOTES:

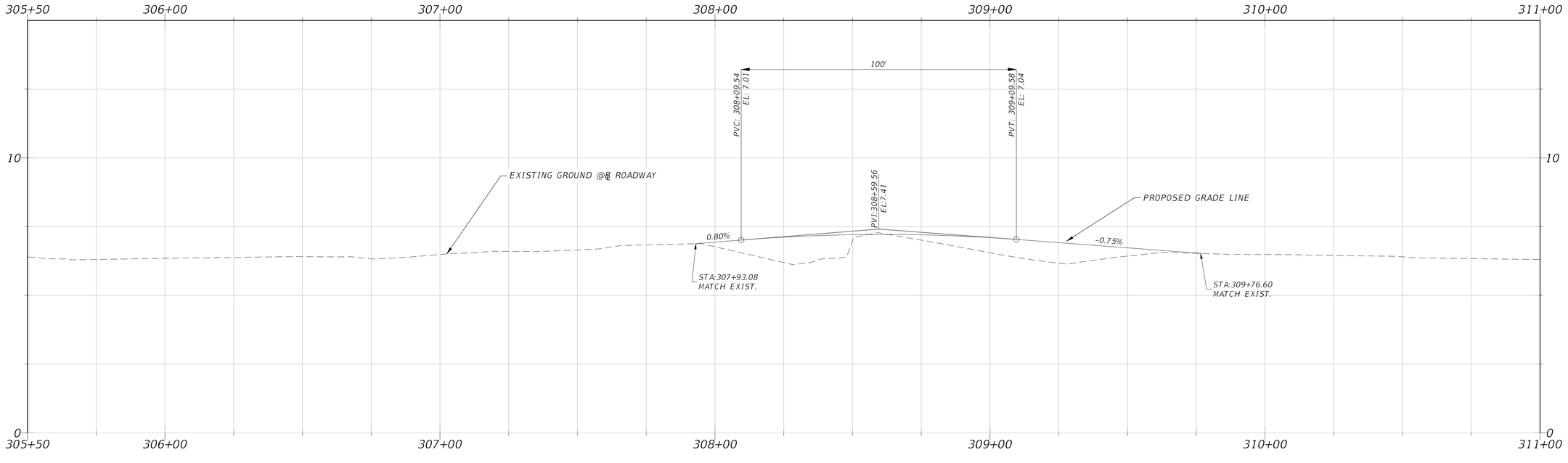
1. 6' TALL CHAIN LINK FENCE IS TO BE CONSTRUCTED WITH A 6" OFFSET FROM THE PLATFORM AND STAIRWAY PER FDOT STANDARD PLAN INDEX 550-002 CHAINLINK FENCE TYPE B WITH A 6' WIDE WALK GATE. FABRICK SHALL NE KNUCKLE TOP AND BOTTOM WITH BLACK PVC COATING. ALL FABRIC, POSTS, AND HARDWARE SHALL BE BLACK IN COLOR. THERE WILL BE NO BARBED WIRE.
2. RAISED PLATFORM FOR TOLLING TECHNOLOGY, SEE STRUCTURAL PLANS FOR DETAILS.



PBL-ROADWAY PROFILE

PROFILE SCALE (11"x17"): 1"=80' HORIZONTAL 1"=8' VERTICAL

PROFILE SCALE (22"x34"): 1"=40' HORIZONTAL 1"=4' VERTICAL



NO.	DATE	DSGN	REVISION	CHK	APVD	BY	APVD

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

CIVIL
PLAN AND PROFILE
STA 305+50 TO STA 311+00

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

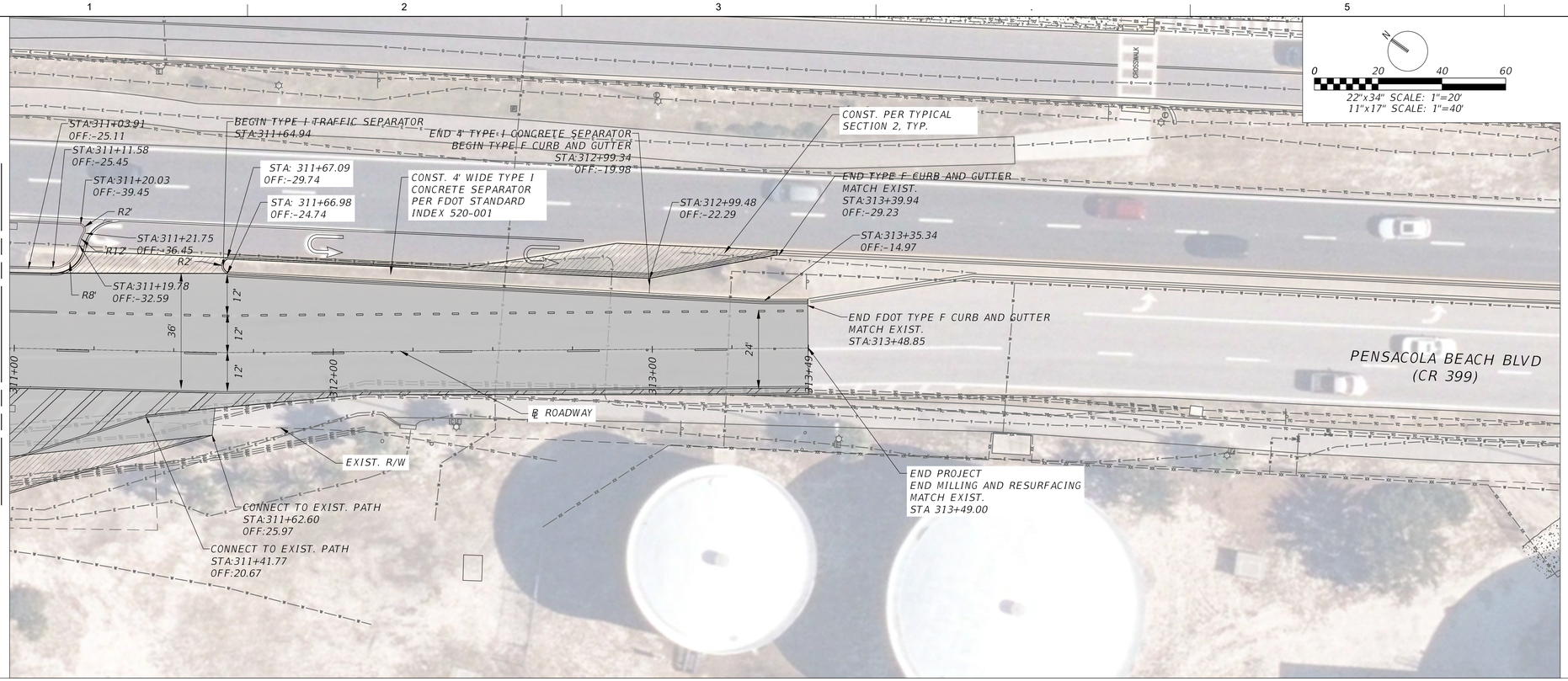
DATE	SEPT 2025
PROJ	D3971300
DWG	C-202
SHEET	12 of 79

100% DESIGN DOCUMENTS

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

© JACOBS 2024. ALL RIGHTS RESERVED.

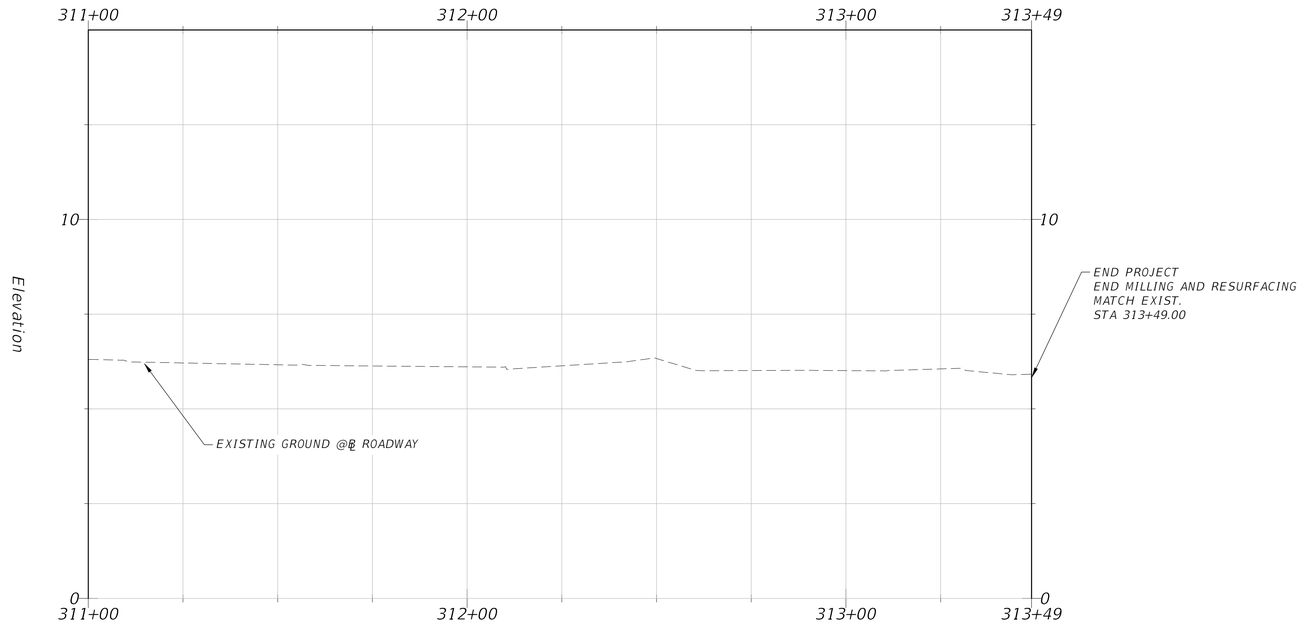
_Jacobs-SurveyFoot_2021_2D.dwg



PBL-ROADWAY PROFILE

PROFILE SCALE (11"x17"):
1"=80' HORIZONTAL
1"=8' VERTICAL

PROFILE SCALE (22"x34"):
1"=40' HORIZONTAL
1"=4' VERTICAL



NO.	DATE	DR	CHK	APVD
DSGN		REVISION	BY	APVD

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

CIVIL
PLAN AND PROFILE
STA 311+00 TO STA 313+50

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	C-203
SHEET	13 of 79

100% DESIGN DOCUMENTS

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

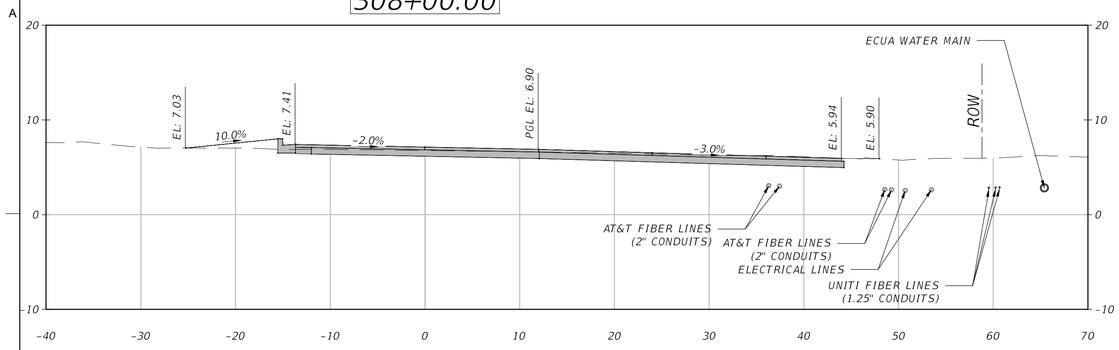
© JACOBS 2024. ALL RIGHTS RESERVED.

_Jacobs-SurveyFoot_2021_2D.dwg

0 6 12 18

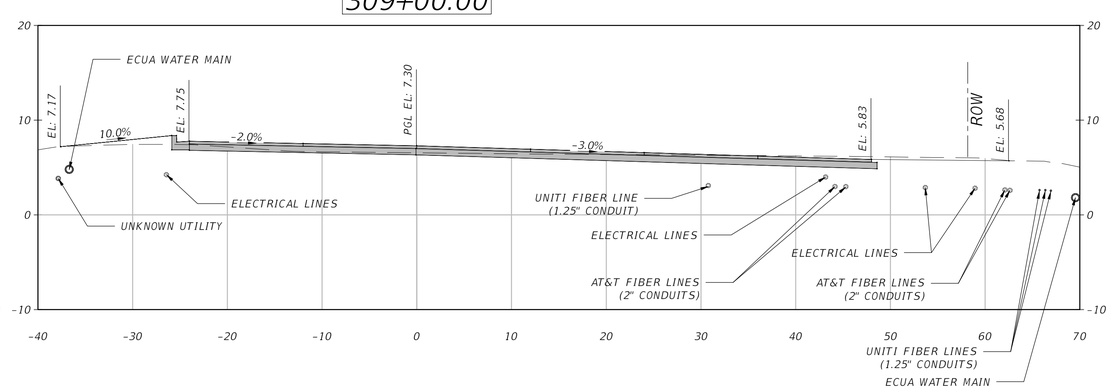
22"x34" SCALE: 1"=8'
11"x17" SCALE: 1"=16'

308+00.00



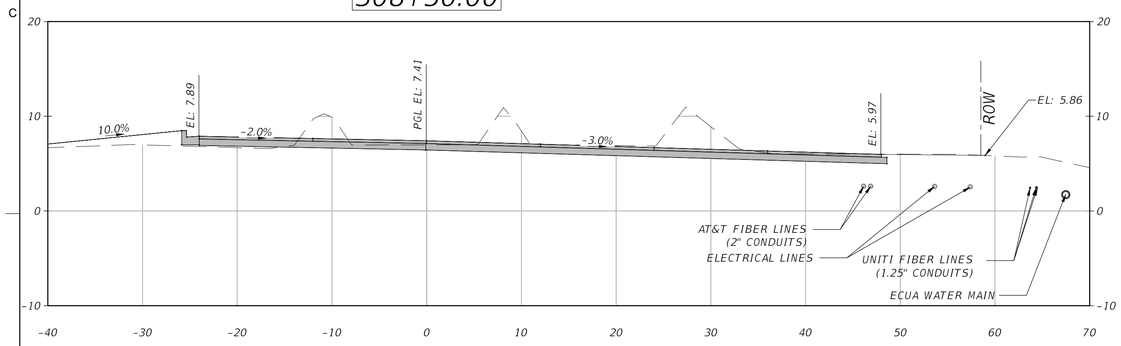
PROFILE SCALE:
1"= 8' HORIZONTAL
1"= 8' VERTICAL

309+00.00



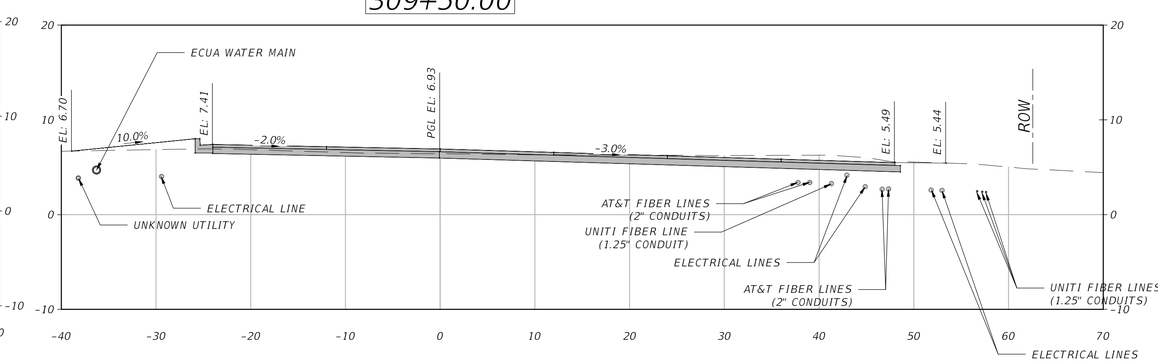
PROFILE SCALE:
1"= 8' HORIZONTAL
1"= 8' VERTICAL

308+50.00



PROFILE SCALE:
1"= 8' HORIZONTAL
1"= 8' VERTICAL

309+50.00



PROFILE SCALE:
1"= 8' HORIZONTAL
1"= 8' VERTICAL

NO.	DESGN	DATE	REVISION	DR	CHK	BY	APVD

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

CIVIL
SECTION VIEW
STA 308+00 TO STA 309+50

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	C-204
SHEET	14 of 79

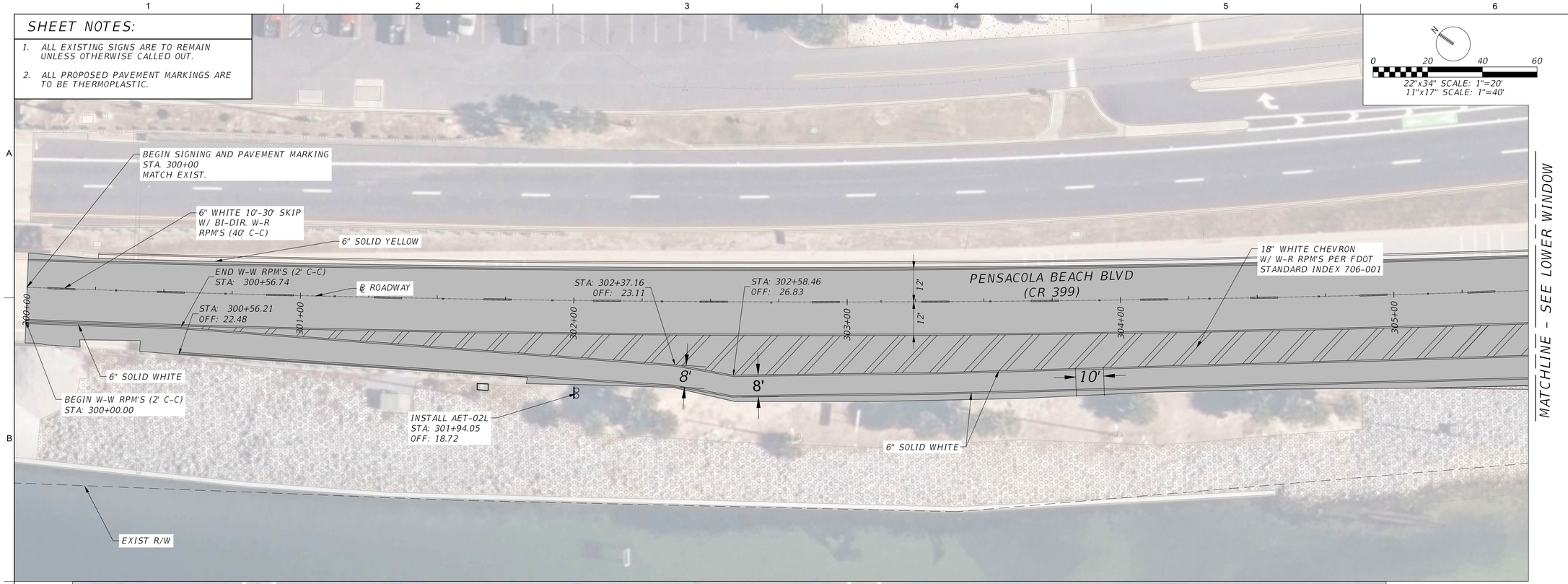
100% DESIGN DOCUMENTS

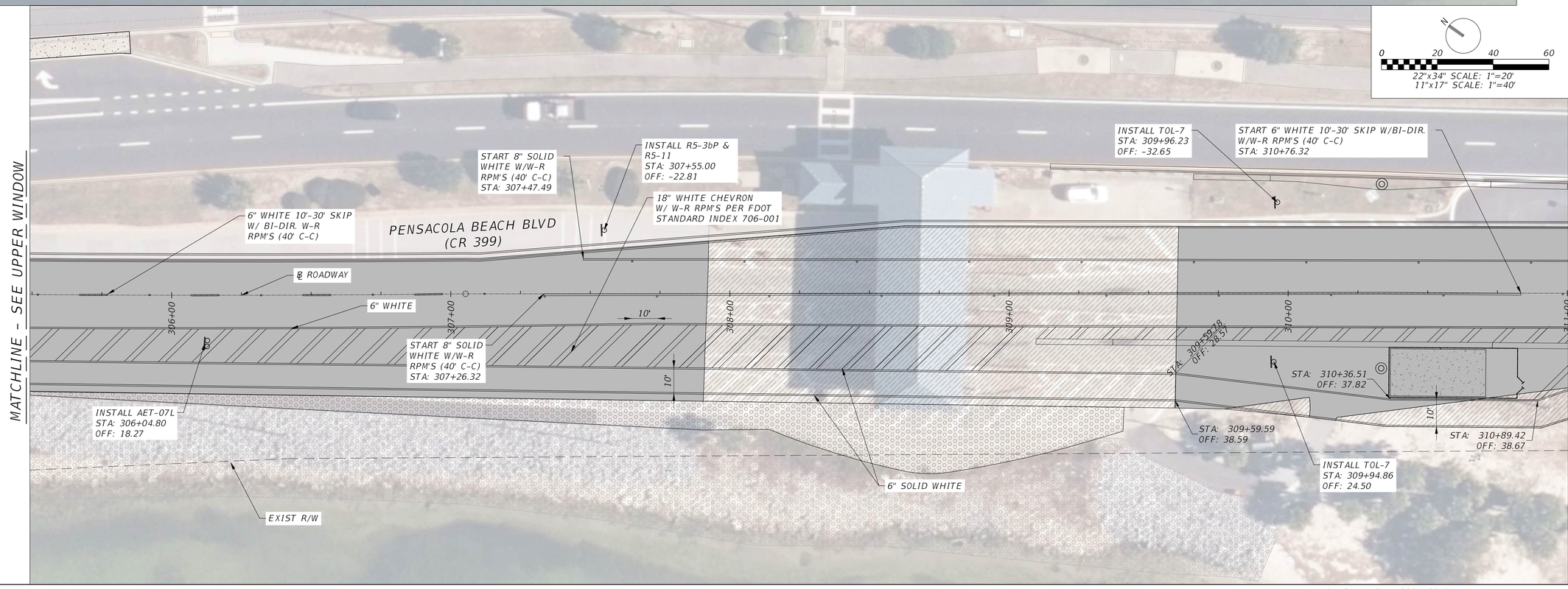
© JACOBS 2024. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

_Jacobs-SurveyFoot_2021_2D.dwg

SHEET NOTES:

1. ALL EXISTING SIGNS ARE TO REMAIN UNLESS OTHERWISE CALLED OUT.
2. ALL PROPOSED PAVEMENT MARKINGS ARE TO BE THERMOPLASTIC.





NO.	DATE	REVISION	DR	CHK	APVD	BY	APVD
DSGN							

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

CIVIL

SIGNING AND PAVEMENT MARKINGS
STA 300+00 TO STA 311+00

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.

0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	C-301
SHEET	15 of 79

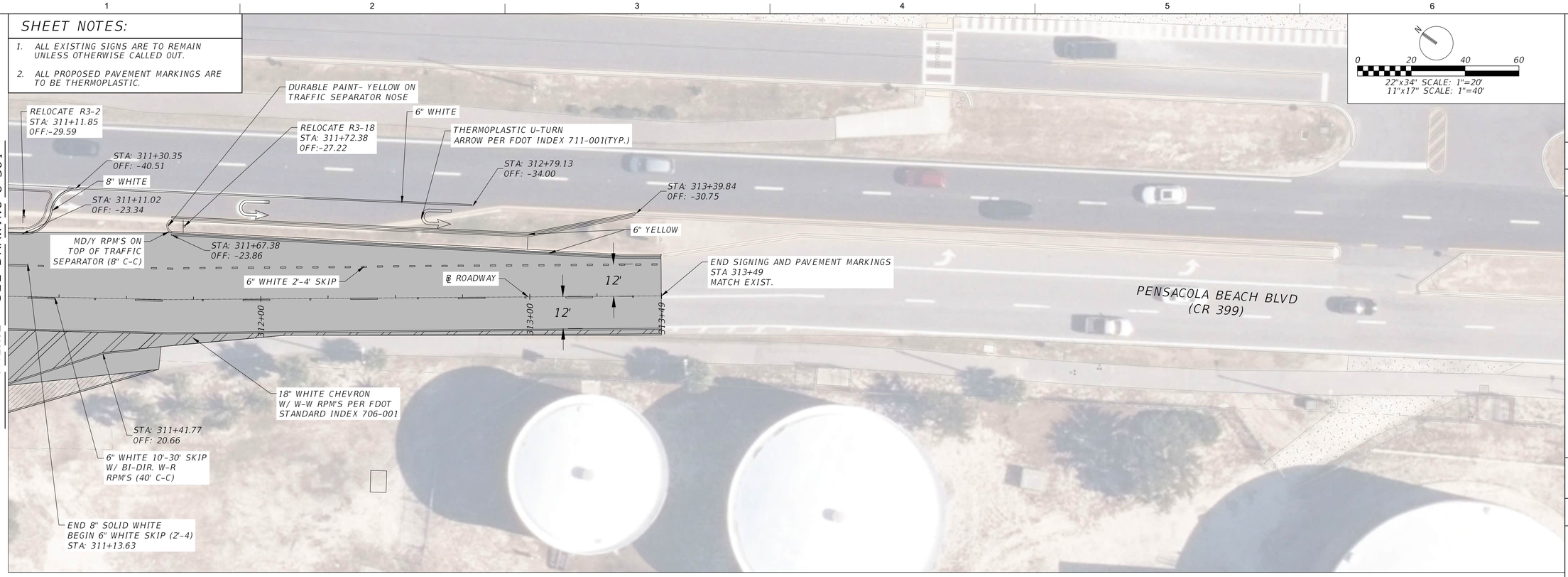
100% DESIGN DOCUMENTS

© JACOBS 2024. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

_Jacobs-SurveyFoot_2021_2D.dwg

SHEET NOTES:

1. ALL EXISTING SIGNS ARE TO REMAIN UNLESS OTHERWISE CALLED OUT.
2. ALL PROPOSED PAVEMENT MARKINGS ARE TO BE THERMOPLASTIC.



NO.	DATE	DSGN	DR	CHK	APVD	REVISION	BY	APVD

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

CIVIL
SIGNING AND PAVEMENT MARKINGS
STA 311+00 TO STA 313+50

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	C-302
SHEET	16 of 79

100% DESIGN DOCUMENTS

© JACOBS 2024. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

GENERAL NOTES:

1. ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE 2025-26 FDOT STANDARD PLANS, THE MUTCD 11TH EDITION (WITH REVISIONS) AND THESE PLANS.

2. DETOUR SPEED LIMIT SHALL BE POSTED 25 MPH AND EACH END OF DETOUR SHALL BE ILLUMINATED DURING MAINLINE CLOSURE PERIOD.

3. CONTRACTOR SHALL PERFORM FORMAL TEMPORARY TRAFFIC CONTROL INSPECTIONS AND SHALL IMMEDIATELY REPLACE ALL EQUIPEMENT AND DEVICES NOT CONFORMING TO FDOT AND MUTCD STANDARDS. THESE INSPECTIONS SHALL BE PREFORMED AT LEAST WEEKLY OR MORE FREQUENTLY IF DIRECTED BY THE ENGINEER.

4. LANE CLOSURE RESTRICTIONS ARE LISTED BELOW:

   NO LANE CLOSURES 6:00AM TO 10:00PM MONDAY THROUGH THURSDAY
   NO LANE CLOSURES FROM 6:00AM FRIDAY THROUGH 10:00PM SUNDAY

5. TEMPORARY PAVEMENT AS CALLED FOR IN THESE PLANS OR ADDED BY THE CONTRACTOR SHALL COMPRISE A MINIMUM OF 2 INCHES OF SUPERPAVE ASPHALT AND 6 INCHES OF LIME ROCK (LBR 40). THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TEMPORARY PAVEMENT IN A SAFE, DRIVABLE CONDITIONS THROUGHOUT CONSTRUCTION.

6. THE NEW GANTRY AND EQUIPEMENT SHALL BE INSTALLED AND FUNCTIONAL PRIOR TO REMOVAL OF THE EXISTING BUILDING AND TOLLING SYSTEM.

7. CLOSURES ARE TO OCCUR OVERNIGHT ONLY WITH TRAFFIC RETURNED THROUGH THE TOLL FACILITY DURING THE DAY.

8. VARIABLE MESSAGE BOARDS ARE TO BE POSTED 30 DAYS IN ADVANCE OF CONSTRUCTION TO INFORM THE PUBLIC OF THE PENDING PROJECT DETOUR.

PHASE NOTES:

PHASE I - CONSTRUCT THE TEMPORARY PAVEMENT FOR THE DIVERSION.

1. PLACE WORK ZONE SIGNS USING STANDARD INDEX 600 AND INDEX 613.

2. CLOSE THE OUTSIDE NORTHBOUND LANE ALONG PENSACOLA BEACH BLVD. WHERE TEMPORARY PAVEMENT IS PROPOSED NORTH AND SOUTH OF THE TOLL PLAZA. CLOSE THE INSIDE SOUTHBOUND LANE ALONG PENSACOLA BEACH BLVD. WHERE TEMPORARY PAVEMENT IS PROPOSED NORTH AND SOUTH OF THE TOLL PLAZA. CLOSE THE LEFT TURN LANE AND RIGHT TURN LANE ALONG PENSACOLA BEACH BLVD. JUST NORTH AND SOUTH OF THE TOLL PLAZA.

3. REMOVE PORTION OF TRAFFIC SEPARATORS AND MEDIAN WHERE TEMPORARY PAVEMENT IS PROPOSED.

4. INSTALL TEMPORARY PAVEMENT.

5. UPON COMPLETION, REMOVE ALL TTCP DEVICES AND SIGNS.

PHASE II - CONSTRUCT THE PROPOSED TOLL GANTRY, REMOVE THE EXISTING TOLL PLAZA BUILDING, AND COMPLETE ROADWAY IMPROVEMENTS WITHIN THE DIVERSION LIMITS.

1. INSTALL ALL TEMPORARY TRAFFIC CONTROL AS SHOWN IN THE PHASE II PLANS.

2. SHIFT TRAFFIC TO DIVERSION UTILIZING THE TEMPORARY PAVEMENT CONSTRUCTED IN PHASE I.

3. ESCO DEPUTY SHALL BE PLACED AT EACH TRANSITION TO DIRECT TRAFFIC AS NECESSARY TO MINIMIZE DISRUPTION TO THE TRAVELING PUBLIC WHILE PROTECTING WORKER SAFETY.

4. UPON COMPLETION, REMOVE ALL TTCP DEVICES AND SIGNS.

PHASE III - COMPLETE THE REMAINING ROADWAY IMPROVEMENTS.

1. PLACE WORK ZONE SIGNS USING STANDARD INDEX 613.

2. COMPLETE THE CONSTRUCTION OF ROADWAY IMPROVEMENTS WITH LANE CLOSURES PER STANDARD INDEX 613.

3. PLACE FINAL ASPHALT COURSE.

4. AFTER MINIMUM 30-DAY ASPHALT CURING PERIOD, PLACE FINAL THERMOPASTIC PAVEMENT MARKINGS.

5. UPON COMPLETION, REMOVE ALL TTCP DEVICES AND SIGNS.

BRIDGE LANE CLOSURE

1. ALL TTCP DEVICES AND SIGNS SHALL BE PLACED PER STANDARD INDEX 661.

3. ALL EXISTING BIKE/PED ACCESS SHALL BE MAINTAINED DURING THE LANE CLOSURE.

4. LANE CLOSURE RESTRICTIONS ARE LISTED BELOW:

   LANE CLOSURES ALLOWED BETWEEN 8:00AM TO 5:00PM MONDAY THROUGH FRIDAY
   NO LANE CLOSURES ON WEEKENDS

5. ALL TTCP DEVICES AND SIGNS SHALL BE REMOVED BY 5PM DAILY TO REOPEN BOTH SOUTHBOUND LANES.

NO.	DATE	REVISION	DR	CHK	APVD	BY	APVD
DSGN							

© JACOBS 2021. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

100% DESIGN DOCUMENTS

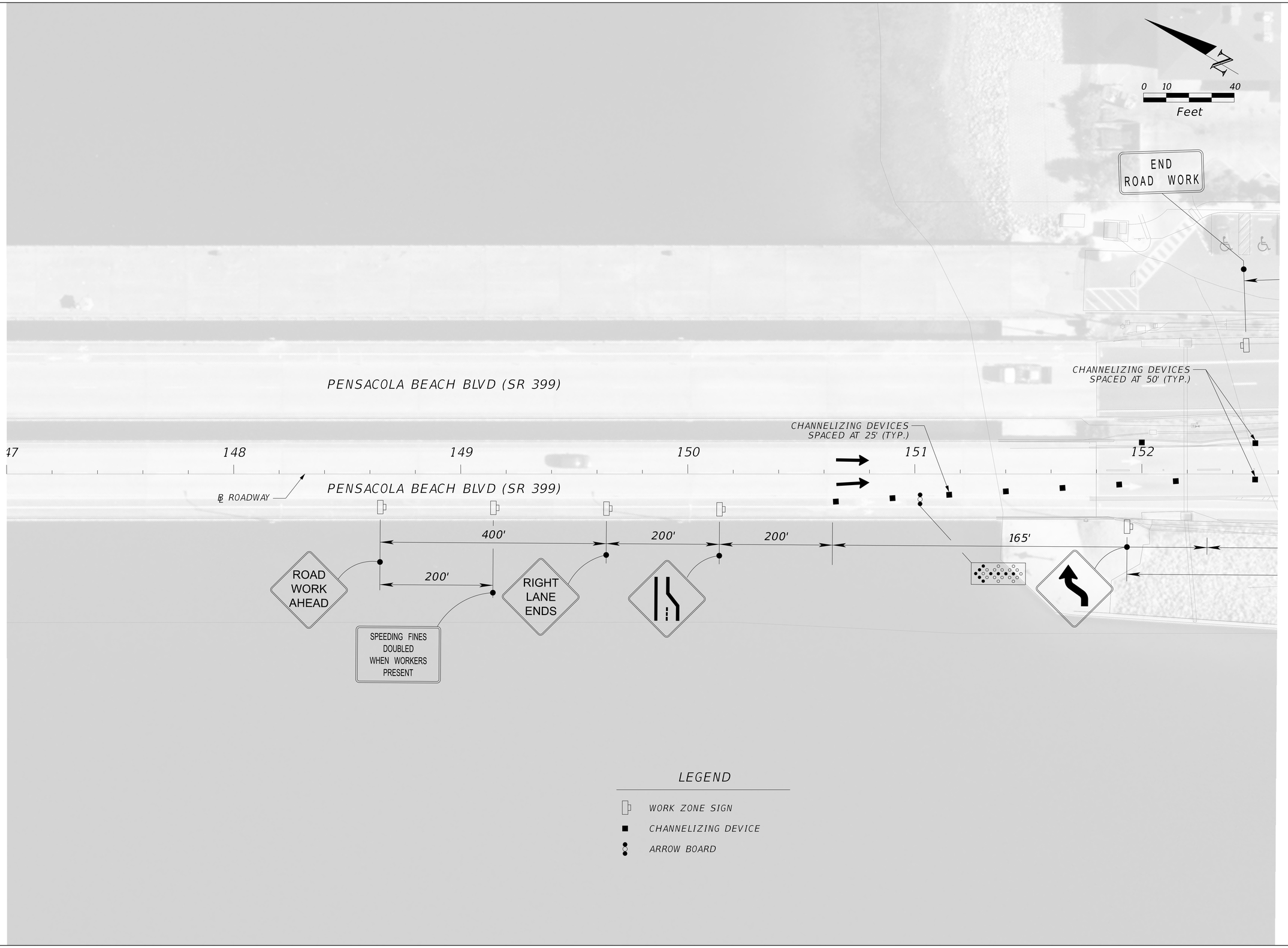
PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

MOT
GENERAL NOTES

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	M-001
SHEET	17 of 79



NO.	DATE	DSGN	DR	CHK	APVD	BY	APVD
REVISION							

© JACOBS 2021. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

100% DESIGN DOCUMENTS

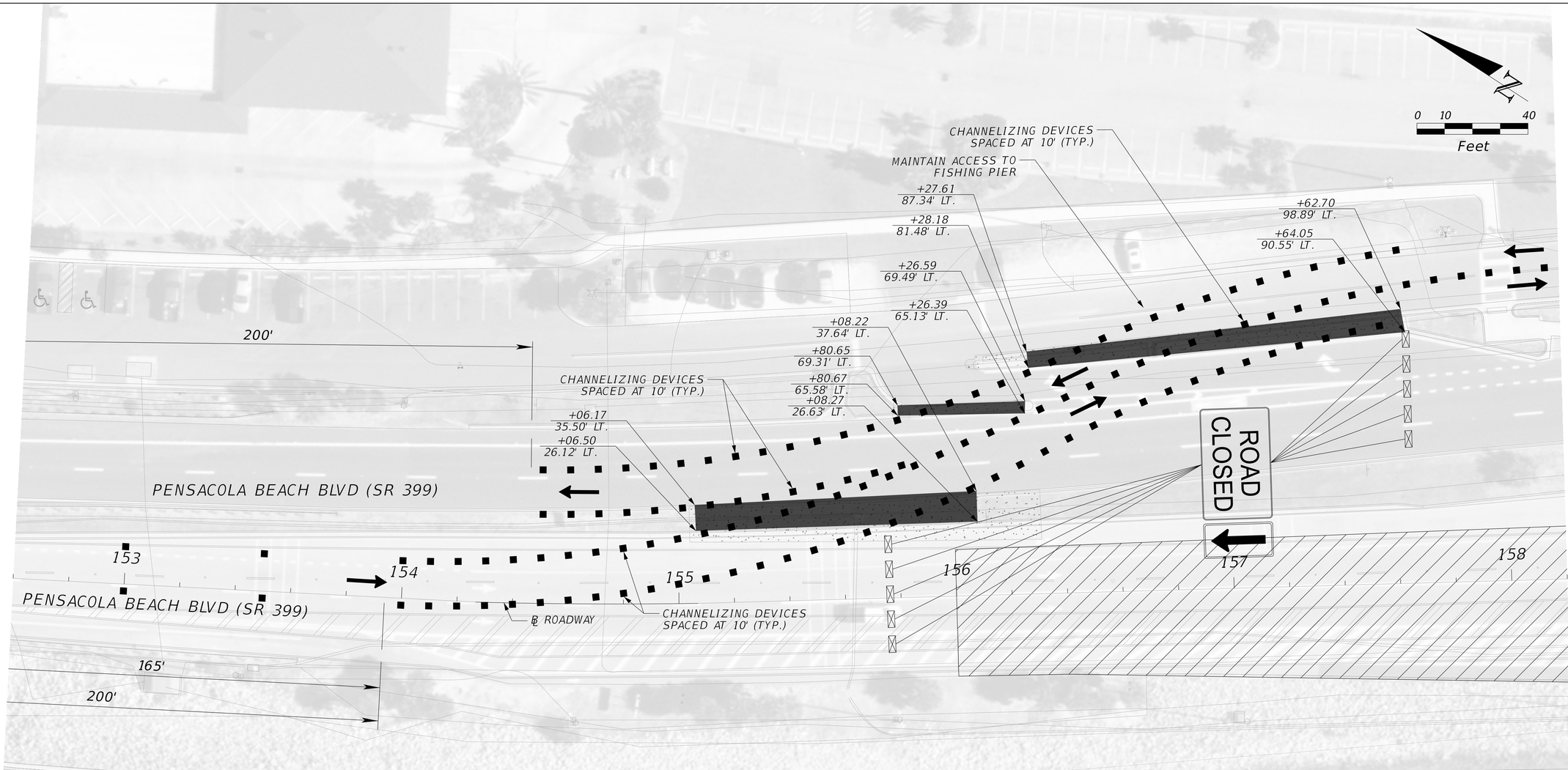
PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

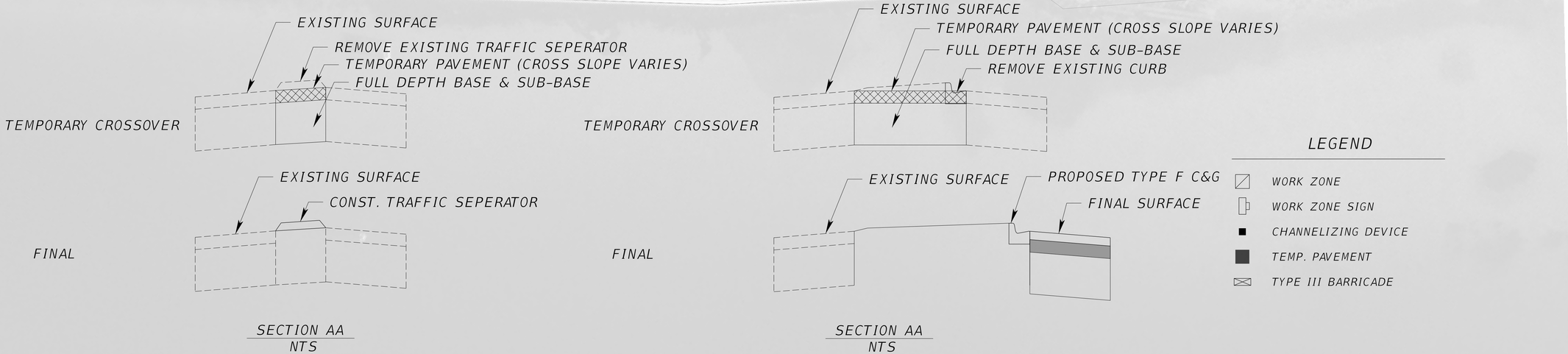
Jacobs

MOT
TEMPORARY TRAFFIC CONTROL PLAN PHASE II

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	M-002
SHEET	18 of 79





NO.	DATE	REVISION	DR	CHK	APVD	BY	APVD
DSGN							

© JACOBS 2021. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

Jacobs

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

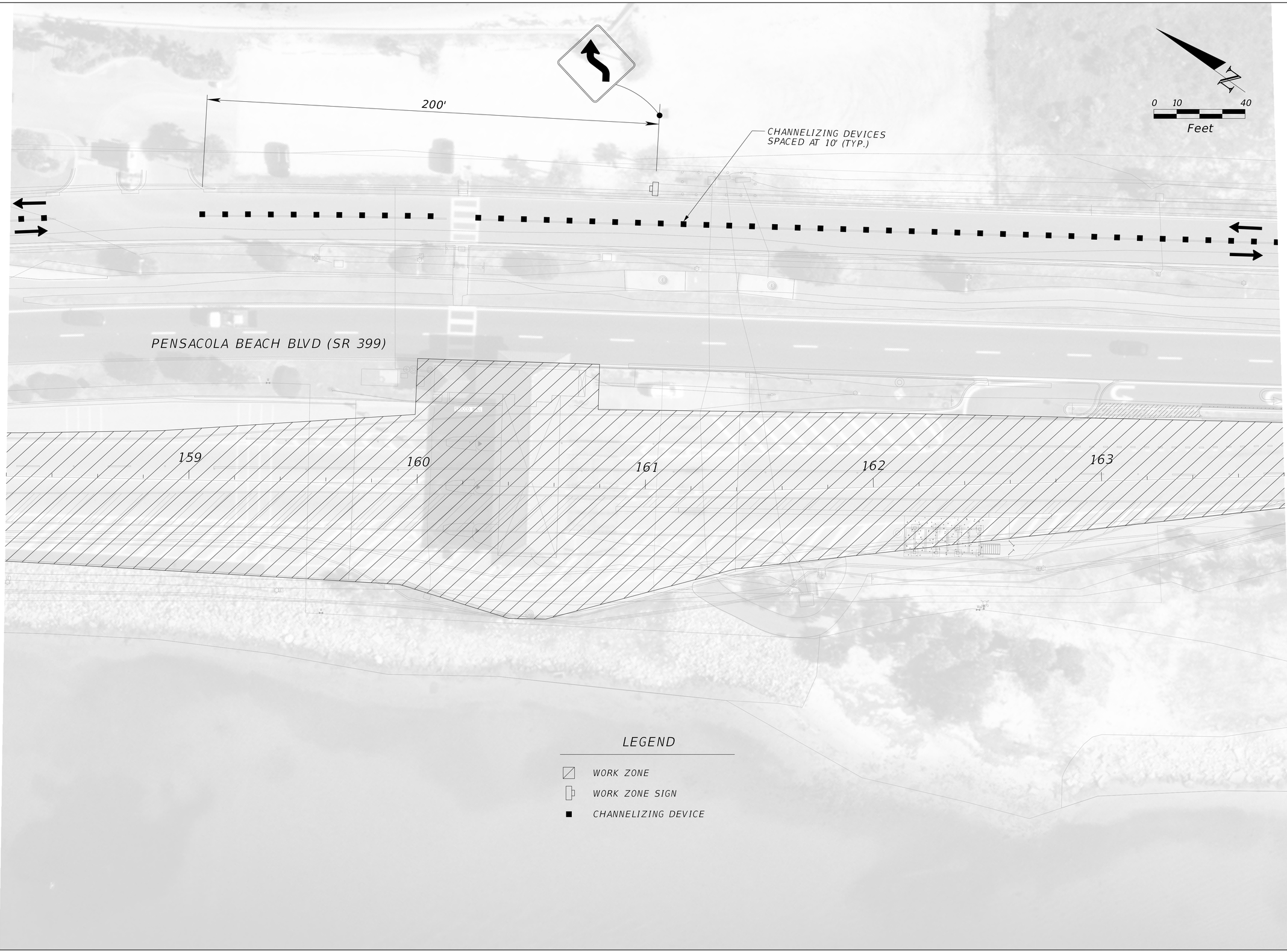
MOT

TEMPORARY TRAFFIC CONTROL PLAN PHASE II

100% DESIGN DOCUMENTS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	M-003
SHEET	19 of 79



NO.	DATE	DR	REVISION	CHK	APVD	BY	APVD
DSGN							

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

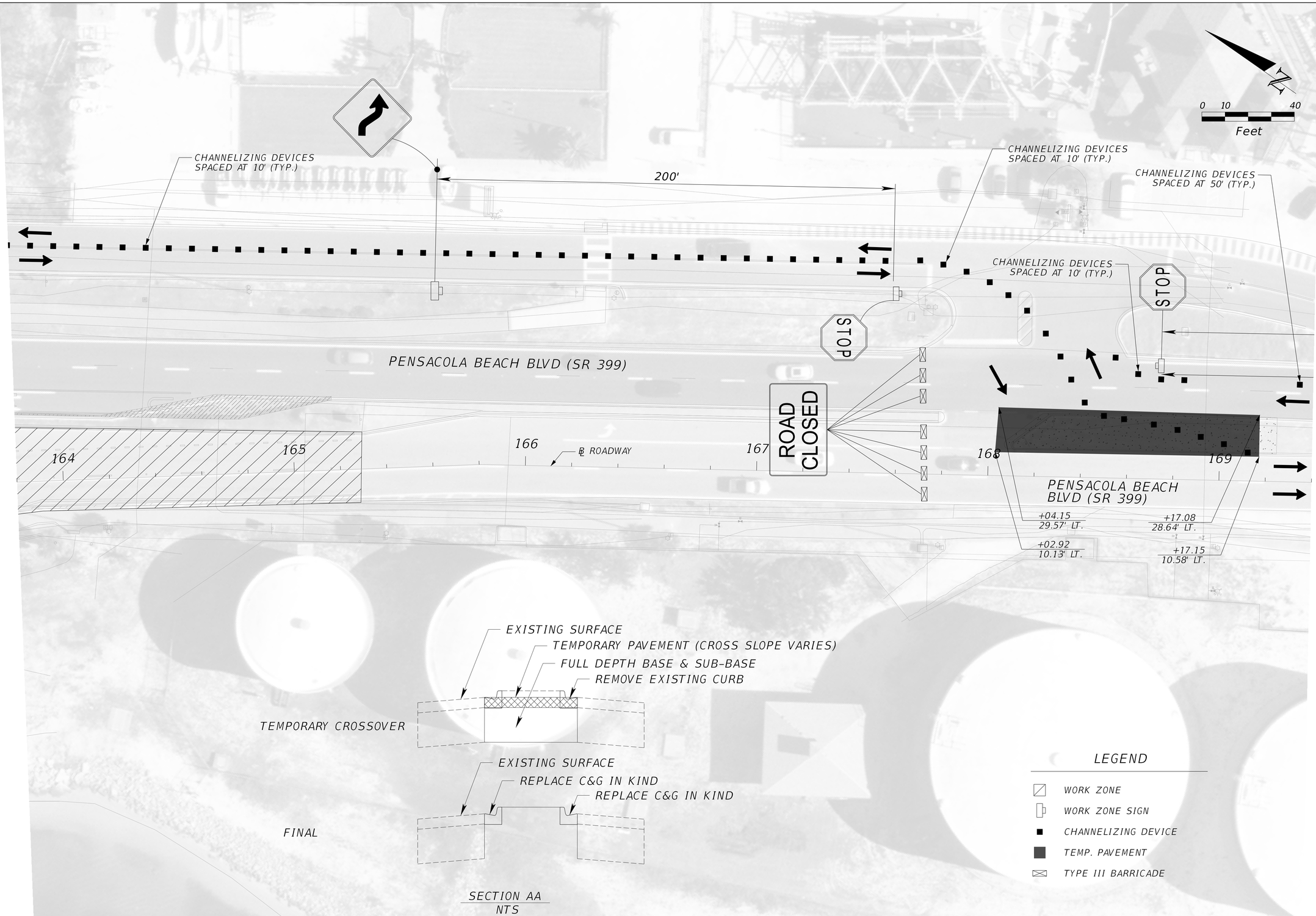
MOT
TEMPORARY TRAFFIC CONTROL PLAN
PHASE II

© JACOBS 2021. ALL RIGHTS RESERVED.
THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
REUSE OF DOCUMENTS:

100% DESIGN DOCUMENTS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	M-004
SHEET	20 of 79



SECTION AA
NTS

LEGEND

- WORK ZONE
- WORK ZONE SIGN
- CHANNELIZING DEVICE
- TEMP. PAVEMENT
- TYPE III BARRICADE

NO.	DATE	REVISION	BY	APVD
DSGN	DR	CHK	APVD	

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

MOT
TEMPORARY TRAFFIC CONTROL PLAN
PHASE II

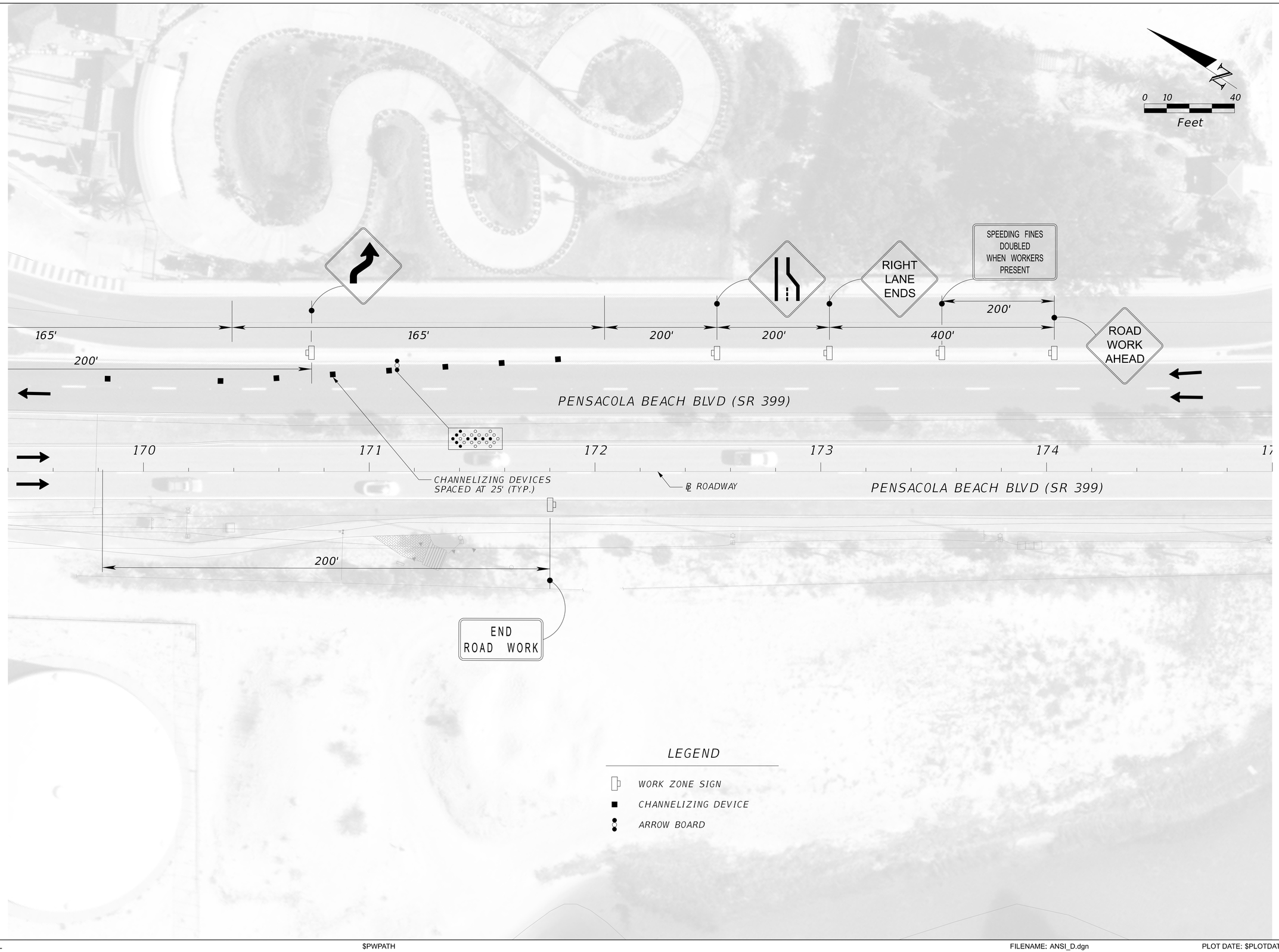
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	M-005
SHEET	21 of 79

100% DESIGN DOCUMENTS

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

© JACOBS 2021. ALL RIGHTS RESERVED.



NO.	DATE	DR	CHK	APVD
DSGN		REVISION		BY APVD

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

MOT
TEMPORARY TRAFFIC CONTROL PLAN
PHASE II

© JACOBS 2021. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

100% DESIGN DOCUMENTS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	M-006
SHEET	22 of 79

GENERAL NOTES:

1. ESCAMBIA COUNTY TRANSPORTATION & TRAFFIC OPERATIONS (TTO) WILL BE MAINTAINING AND OPERATING PROPOSED ITS SYSTEM. COORDINATE WITH TTO 60 DAYS BEFORE BEGINING OF ITS CONSTRUCTION & SPECIFIC TTO REQUIREMENT TO MEET.
   SPECIFIC CONTACTS
   JIM HAGON, PE, PTOE, COUNTY TRAFFIC ENGINEER
   ESCAMBIA COUNTY, FLORIDA
   ENGINEERING DEPARTMENT, TRANSPORTATION & TRAFFIC OPERATIONS (TTO)
   3363 WEST PARK PLACE, PENSACOLA, FLORIDA 32505
   CELL: (850) 516-6590, EMAIL: jlhagon@myescambia.com

2. THE ITS CONSTRUCTION SHALL COMPLY FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) FY 2025-26 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, FDOT STANDARD PLANS FOR ROAD CONSTRUCTION FY 2025-26 AND ALL OTHER APPLICABLE FDOT MANUALS.

3. ALL ITS DEVICES, NETWORKING EQUIPMENT, AND ELECTRICAL COMPONENTS BEING REMOVED, SHALL REMAIN THE PROPERTY OF THE ESCAMBIA COUNTY. ENSURE PROPER CARE IS TAKEN, WHEN REMOVING AND DISASSEMBLING COMPONENTS TO AVOID UNWARRANTED DAMAGE. COORDINATE WITH THE COUNTY FOR THE DOCUMENTATION, RETURN OF ANY ITS EQUIPMENT AND DELIVERY OF REMOVED ITEMS.

4. ALL STATIONS AND OFFSETS ARE APPROXIMATE AND REFER TO THE BASELINES OF CONSTRUCTION UNLESS OTHERWISE NOTED. R/W SHOWN ON THE PLANS IS BASED ON RECORD INFORMATION. THE INFORMATION IS PROVIDED TO THE CONTRACTOR TO IDENTIFY CONSTRUCTION CONSTRAINTS. PRIOR TO WORKING IN AN AREA, FIELD INSPECT THE APPARENT AVAILABLE RIGHT-OF-WAY (AS IDENTIFIED BY FENCES, MONUMENTS, BUILDINGS, MAINTAINED PRIVATE PROPERTY, ETC.) TO DETERMINE CONSTRUCTION CONSTRAINTS.

5. GRADES SHOWN ARE FINISHED GRADES UNLESS OTHERWISE NOTED. ALL FOUNDATIONS, CABINETS AND PULL BOXES MUST BE COORDINATED WITH CURRENT AND FUTURE GRADING TO ENSURE THAT THE TOP OF THE FOUNDATIONS, CABINETS AND THE PULL BOXES ARE NOT BELOW GRADE. ENSURE ALL CONCRETE PADS ARE HORIZONTALLY LEVEL.

6. SIDEWALKS, GUTTERS, DRAINS, FIRE HYDRANTS AND PRIVATE DRIVES SHALL BE KEPT IN GOOD CONDITION FOR THEIR INTENDED USES. FIRE HYDRANTS ON OR ADJACENT TO THE WORK SHALL BE KEPT ACCESSIBLE TO FIRE APPARATUS AT ALL TIMES, AND NO MATERIAL OR OBSTRUCTION SHALL BE PLACED WITHIN TEN (10) FEET OF ANY SUCH HYDRANT.

7. ALL CONDUITS SHALL BE SEALED WITH DUCT PLUG. USE HDPE WITH AN SDR NUMBER LESS THAN OR EQUAL TO 11. DIRECTIONAL BORE LOGS MUST BE SUBMITTED WITH ASBUILTS AT THE END OF THE PROJECT.

8. INSTALL LOCATE WIRE IN THE TRENCH OR BORE WITH ALL UNDERGROUND CONDUITS TO PROVIDE END-TO-END ELECTRICAL CONTINUITY. BURY LOCATE WIRE ALONG THE CENTERLINE OF THE TOP OUTER SURFACE OF INSTALLED CONDUIT. LOCATE WIRE SHALL BE EXOTHERMICALLY BONDED TO A GROUND ROD. INSTALL WIRE GROUND UNITS (WGU) AT ALL LOCATE WIRE SPLICES. DO NOT INSTALL LOCATE WIRE IN A CONDUIT WITH FIBER OPTIC CABLE.

9. ALL FIBER, SPLICING, AND CONNECTORS SHALL BE TESTED IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS. SPLICES AND CONNECTORS EXCEEDING ALLOWABLE ATTENUATION SHALL BE REPLACED. ALL TEST RESULTS SHALL BE SENT TO ESCAMBIA COUNTY TRAFFIC ENGINEER FOR REVIEW PRIOR TO FINAL ACCEPTANCE. ALL FIBER TERMINATION SHALL BE LC CONNECTORS & ALL JUMPER CABLES SHALL BE A SINGLE CONTINUOUS CORD BETWEEN TERMINATION POINTS.

10. LABEL SPLICE ENCLOSURE, CONDUITS, AND FOC ENTERING THE BOOT WITH WEATHERPROOF LASER PRINTED TAGS (NO SHARPIE OR MARKER). LABEL PATCH PANELS INSIDE OF BUILDING INSTALLATIONS. USE A PERMANENT LASER PRINTED TAG, WATERPROOF LABELS, WITH A PRINTOUT INDICATING THE COUNTY, NUMBER OF STRANDS, STATIONS UPSTREAM AND DOWNSTREAM TO THE NEXT HUB (CABINET).

11. FOR NEW SERVICES, THE PROPOSED OVERHEAD AND/OR UNDERGROUND ELECTRICAL CIRCUITS, TRANSFORMERS, PULL BOXES, AND ALL OTHER ASSOCIATED APPURTENANCES AND INCIDENTALS SERVING COUNTY OWNED FACILITIES ARE TO BE CONSTRUCTED BY FLORIDA POWER & LIGHT (FP&L). THE EQUIPMENT AND FPL COORDINATION IS INCLUDED IN THE CONTRACTOR'S BIDUNIT PRICE FOR CONSTRUCTION.

12. POSITION & CONFIGURE WIRELESS SYSTEM DEVICE ACCORDING TTO'S DIRECTION & MANUFACTURE'S RECOMMENDATION. ENSURE THE CONNECTIVITY IS FULLY FUNCTIONAL TO THE FDOT FIBER OPTIC CABLE LOCATED ON THREE MILE BRIDGE.

13. CONTRACTOR SHALL MAINTAIN ALL EXISTING COMMUNICATION TO THE TOLL PLAZA. REFER TO ROADWAY PLANS FOR LIST OF UTILITY OWNERS AND CONTACT INFORMATION.

14. THE CONCRETE CCTV POLE NEAR PENSACOLA BLVD & FORT PICKENS RD INTERSECTION (STA 200+20, 32' RT) IS DESIGNED TO INSTALL ONE CCTV CAMERA & THREE WIRELESS RADIO DEVICE. ONE OF THE THREE WIRELESS DEVICES WILL BE INSTALLED IN THIS PROJECT WITH PROVISION OF INSTALLING TWO OTHER WIRELESS RADIOS IN THE FUTURE.

PAY ITEM NOTES:

639-1-122 INCLUDES COORDINATION WITH FP&L & ANY COST ASSOCIATED TO INSTALLATION OF NEW ELECTRICAL DEVICE.

676-2-122 INCLUDES THE COST OF FURNISHING AND INSTALLING CYBERLOCKS ON ALL PROJECT ITS CABINETS, INCLUDING ANY NEMA ENCLOSURES.

682-1-173: CCTV CAMERA SHALL BE AXIS Q6358-LE PTZ, 4K UHD, AI-POWERED PTZ CAMERA. PAY ITEM INCLUDES ALL ACCESSORIES REQUIRED BY COUNTY ENGINEER.

684-6-1: WIRELESS COMMUNICATION DEVICE SHALL BE UBIQUITI WAVE PRO RADIOS. PAY ITEM INCLUDES ALL ACCESSORIES & MOUNTING BRACKET.

684-1-1 MANAGED FIELD ETHERNET SWICTH SHALL BE ADVANTECH B+B SMARTWORX EK.I 7712G.

685-1-11 UPS SHALL BE MYERS MP2000 WITH POWERBACK, ICBM, AUTOMATIC TRANSFER SWITCH AND GENERATOR CONNECTION FOR TRAFFIC SIGNAL & ITS DEVICES.

FIBER OPTIC PULL BOX AND ELECTRICAL PULL BOX NOTES:

1. FIBER OPTIC PULL BOX LENGTH (LONG SIDE) SHALL BE PARALLEL TO THE CONDUIT RUN. WHEN THE CONDUIT RUN IS PERPENDICULAR AT THE JUNCTION POINT, THE PULL BOX SHALL BE PARALLEL TO THE ROADWAY.

2. SLACK FIBER OPTIC CABLE IS TO BE WOUND NEATLY AND CAREFULLY, AS NOT TO EXCEED THE MAX. BENDING RADIUS OF THE FIBER OPTIC CABLE.

3. FIBER PULL BOXES SHALL HAVE 1' CONCRETE APRON & SHALL NOT BE WITHIN 3' OF CURB AND GUTTER. PULL BOXES SHALL BE LABELED "TRAFFIC FIBER OPTICS". INSTALL ELECTRONIC ROUTE MARKER (ERM) AT EVERY FIBER PULL BOX. ENSURE THE IDENTIFICATION INFORMATION IS IMPRINTED WITH TTO CONTACT INFORMATION AND (850) 595-3484

4. ENSURE THAT THE PLACEMENT FOR ALL CONDUITS, SPLICE VAULTS AND PULL BOXES ARE:
   A. INSTALLED WITHIN THE RIGHT OF WAY (ROW).
   B. ACCESSIBLE BY A MAINTENANCE VEHICLE.
   C. IN A DRY AREA. PULL BOXES AND SPLICE VAULT COVERS SHALL BE LEAST 2 FEET ABOVE THE DRAINAGE FEATURE ELEVATIONS AS DEFINED BY THE FOLLOWING:
      TREATMENT SWALES - WEIR ELEVATION
      CONVEYANCE DITCHES - NORMAL DEPTH
      STORMWATER PONDS - DESIGN STORM PEAK STAGE
      FLOODPLAIN COMPENSATION OR OTHER SYSTEMS - SEASONAL HIGH WATER LEVEL

5. FIBER OPTIC SPLICE VAULT SHALL HAVE A 2-PART LID.

LEGENDS:

- PROPOSED CONDUIT (OPEN TRENCH)
- PROPOSED CONDUIT (DIRECTIONAL BORE)
- PROPOSED CONDUIT (BRIDGE MOUNT)
- PROPOSED ITS CABINET (POLE MOUNT)
- PROPOSED CCTV CAMERA
- PROPOSED ELECTRICAL PULL BOX
- PROPOSED FIBER OPTIC PULL BOX
- PROPOSED SPLICE VAULT
- PROPOSED FIBER OPTIC JUNCTION BOX
- PROPOSED ITS POLE
- PROPOSED WIRELESS DEVICE
- PROPOSED ELECTRICAL SERVICE
- EXISTING SIGNAL CABINET
- EXISTING BURIED CONDUIT
- BFOT(A) EXISTING BURIED FIBER OPTIC
- BE(B) EXISTING BURIED ELECTRIC

ABBREVIATIONS:

ASSY = ASSEMBLY
AWG = AMERICAN WIRE GAUGE
BE = BURIED ELECTRIC
BFO = BURIED FIBER OPTIC
CCTV = CLOSED CIRCUIT TELEVISION CAMERA
CKT = CIRCUIT
CONN = CONNECTOR
ELEC = ELECTRIC
EQUIP = EQUIPMENT
FO = FIBER OPTIC
FOC = FIBER OPTIC CABLE
FSV = FIBER SPLICE VAULT
GND = GROUND
HDPE = HIGH DENSITY POLY ETHYLENE
ITS = INTELLIGENT TRANSPORTATION SYSTEMS
LA R/W = LIMITED ACCESS RIGHT OF WAY
MFES = MANAGED FIELD ETHERNET SWITCH
MVDS = MICROWAVE VEHICLE DETECTION SYSTEM
NB = NORTHBOUND
POE = POWER OVER ETHERNET
PRETERM = PRETERMINATED
RPMU = REMOTE POWER MANAGEMENT UNIT
SB = SOUTHBOUND
SM = SINGLE MODE
SPD = SURGE PROTECTIVE DEVICE
SR = STATE ROAD
STA = STATION
UPS = UNINTERRUPTIBLE POWER SUPPLY

NO.	DATE	DSGN	REVISION	DR	CHK	APVD	BY	APVD

© JACOBS 2021. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

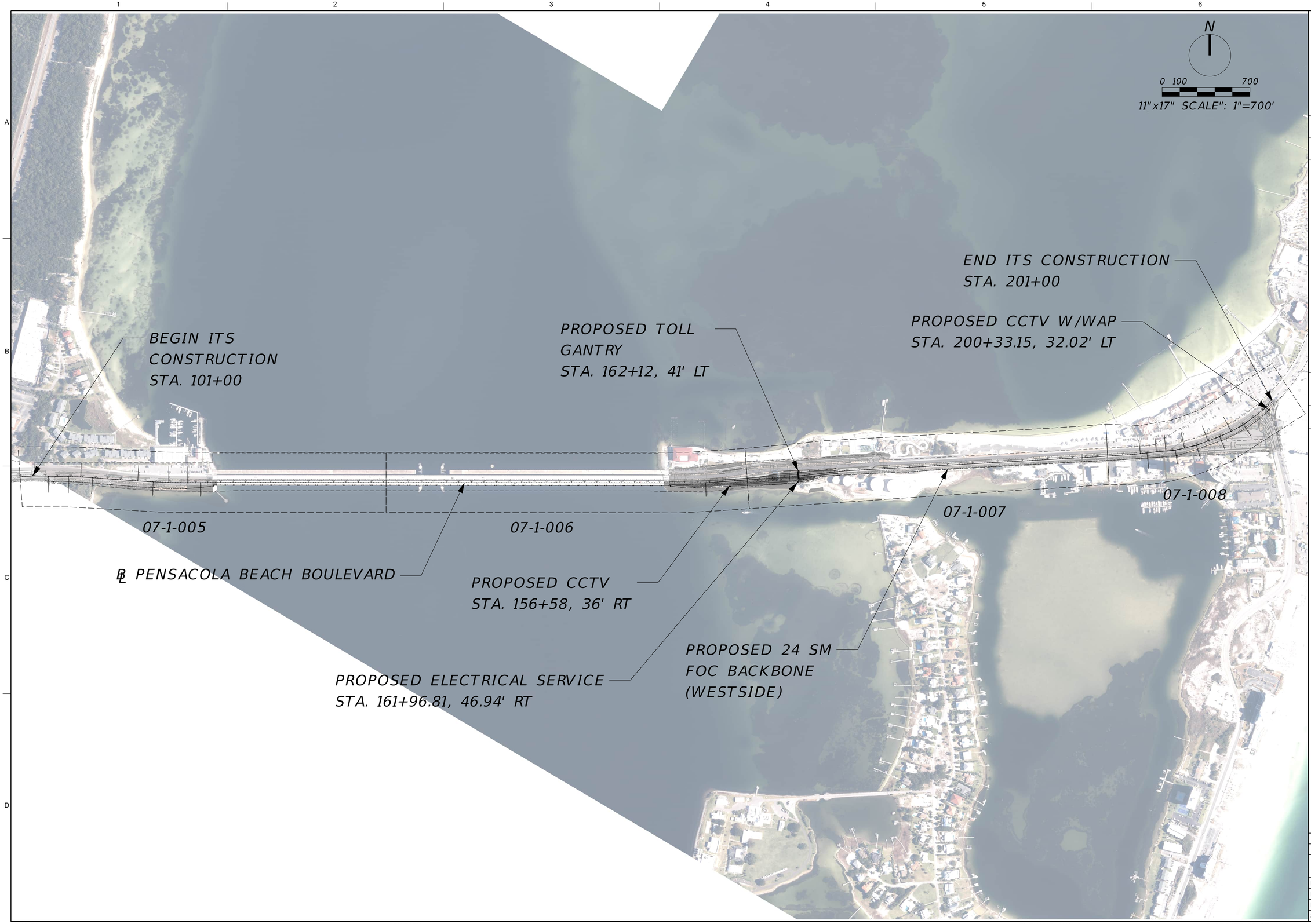
Jacobs

ITS
GENERAL NOTES

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	I-002
SHEET	23 of 79

100% DESIGN DOCUMENTS



NO.	DATE	DR	CHK	APVD
DSGN		REVISION	BY	APVD

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

ITS
PROJECT LAYOUT

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	I-003
SHEET	24 of 79

100% DESIGN DOCUMENTS

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

©JACOBS 2021. ALL RIGHTS RESERVED.

POLE DATA TABLE

ITS POLE NO.	STATION	OFFSET	DEVICES ON POLE	POLE TYPE	POLE LENGTH (FT)	POLE HEIGHT (FT)	BURIAL DEPTH (FT)
POLE 'A'	156+57.47	39'RT	CCTV	CONCRETE CCTV	63	50	13
POLE 'B'	200+33.15	32.02'LT	CCTV,WAP	CONCRETE CCTV	75	60	15

CCTV LOCATION TABLE

CCTV DEVICE NO.	STATION	OFFSET	POLE NUMBER	POLE TYPE	CCTV/WAP MOUNTING HEIGHT (FT)
CCTV 'A'	156+57.47	39'RT	POLE 'A'	CONCRETE CCTV	60
CCTV 'B' AND WAP	200+33.15	32.02'LT	POLE 'B'	CONCRETE CCTV	57

POWER SERVICE LOCATION

NO.	DEVICE	OFFSET	STATION	POWER SERVICE VOLYAGE
ESP 'A'	ELECTRICAL SERVICE	46.94'RT	161+96.81	120V

REVISION | NO. | DATE | DSGN | DR | CHK | BY | APVD

© JACOBS 2021. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENT'S)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

ITS
POLE DATA SHEET

100% DESIGN DOCUMENTS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	I-004
SHEET	25 of 79

24 SM FOC (SLACK) 633-1-122 200 LF
SPLICE ENCLOSURE 633-3-11 1 EA
SPLICE TRAY 633-3-12 1 EA
SPLICE VAULT 635-2-13 1 EA

PROPOSED SPLICE VAULT
(FOR FUTURE CONNECTION)
STA. 102+04, 38'RT

EXISTING R/W

℄ PENSACOLA BEACH BOULEVARD

24 SM FOC (SLACK) 633-1-122 50 LF
FIBER PULL BOX 635-2-12 1 EA

101 102 103 104 105 106 107 108 109 110 111 112 113 114

S29°22'01"E

PENSACOLA BEACH RD

S26°30'15"E

S30°04'13"E

CONDUIT RUN 'A' 630-2-11 435 LF
24 SM FOC 633-1-122 435 LF

EXISTING R/W

CONDUIT RUN 'A' 630-2-11 255 LF
24 SM FOC 633-1-122 255 LF

24 SM FOC (SLACK) 633-1-122 50 LF
FIBER PULL BOX 635-2-12 1 EA

24 SM FOC (SLACK) 633-1-122 50 LF
FIBER PULL BOX 635-2-12 1 EA

CONDUIT RUN 'A' 630-2-12 65 LF
24 SM FOC 633-1-122 65 LF

24 SM FOC (SLACK) 633-1-122 50 LF
FIBER PULL BOX 635-2-12 1 EA

CONDUIT RUN 'A' 630-2-12 155 LF
24 SM FOC 633-1-122 155 LF

CONDUIT RUN 'A' 630-2-12 375 LF
24 SM FOC 633-1-122 375 LF

MATCH LINE 114+80

N

0 20 100

11"x17" SCALE": 1"=100'

EXISTING R/W

CONDUIT RUN 'B'
USE 4" IPS FIBERGLASS CONDUITS
W/3-1.5" HDPE INNERDUCTS AS FOLLOWS
- 1-1.5" ORANGE WITHOUT STRIPES
(INSTALL 24 SM FOC BACKBONE)
- 2-1.5" ORANGE WITH GREEN STRIPES
(SPARE)

3-2" RGS 630-2-14 3x20 LF
24 SM FOC 633-1-122 20 LF
24 SM FOC (SLACK) 633-1-122 50 LF
FIBER JUNCTION BOX 635-3-12 1 EA

N

0 20 100

11"x17" SCALE": 1"=100'

℄ PENSACOLA BEACH BOULEVARD

115 116 117 118 119 120 121 122 123 124 125 126 127 128 129

PENSACOLA BEACH BLVD

MATCH LINE 114+80

MATCH LINE 129+20

24 SM FOC (SLACK) 633-1-122 50 LF
FIBER PULL BOX 635-2-12 1 EA

CONDUIT RUN 'A' 630-2-12 65 LF
24 SM FOC 633-1-122 65 LF

CONDUIT RUN 'B' 630-2-15 4x910 LF
24 SM FOC 630-1-122 910 LF

EXISTING R/W

24 SM FOC (SLACK) 633-1-122 50 LF
FIBER JUNCTION BOX 635-3-12 1 EA

CONDUIT RUN 'B' 630-2-15 4x465 LF
24 SM FOC 630-1-122 465 LF

CONDUIT RUN 'A'
USE 3-2" HDPE CONDUITS AS FALLOWS
- 1-2" ORANGE WITHOUT STRIPES (INSTALL 24 SM FOC BACKBONE)
- 2-2" ORANGE WITH GREEN STRIPES (SPARE)
TRACE WIRE SHALL BE BURIED DIRECTLY

CONDUIT RUN 'B'
USE 6" IPS FIBERGLASS CONDUITS
W/3-2" INNERDUCTS AS FALLOWS
- 2" ORANGE WITHOUT STRIPES
(INSTALL 24 SM FOC BACKBONE)
- 2-2" ORANGE WITH GREEN STRIPES
(SPARE)

NO.	DATE	DSGN	REVISION	BY	APVD

© JACOBS 2021, ALL RIGHTS RESERVED.

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

Jacobs

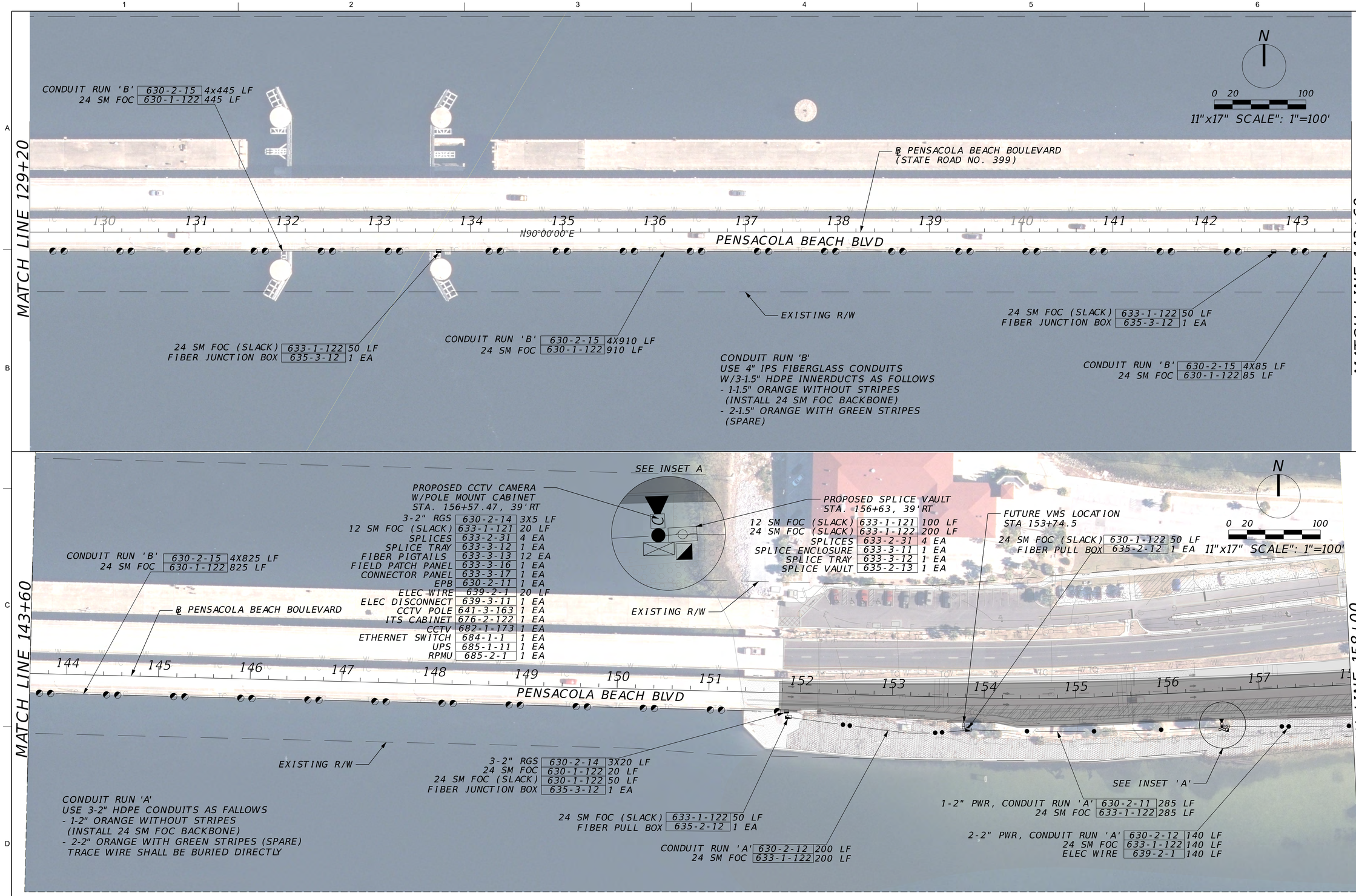
ITS
PLANS
STA. 101+00 TO STA. 129+20

100% DESIGN DOCUMENTS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	I-005
SHEET	26 of 79

$PWURL $PWPATH FILENAME: ANSI_D.dgn PLOT DATE: $PLOTDATE PLOT TIME: $PLOTTIME



NO.	DSGN	DATE	REVISION	DR	CHK	BY	APVD
							APVD

© JACOBS 2021, ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

ITS
PLANS
STA. 129+20 TO STA. 158+00

100% DESIGN DOCUMENTS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	I-006
SHEET	27 of 79

NOTE 1:

INSTALL CONDUIT & 12 SM CABLE FROM ROADSIDE TOLLING CABINET TO EXISTING SPLICE VAULT. COORDINATE WITH UNITI FIBER TO INSTALL FIBER CONNECTION & PAY ANY REQUIRED FEES.

2-2" PWR, CONDUIT RUN 'A' 630-2-12 405 LF
24 SM FOC 633-1-122 405 LF
ELEC WIRE 639-2-1 405 LF

EXISTING TOLL PLAZA BUILDING TO BE DEMOLISHED (SEE ROADWAY PLANS FOR DETAILS)

PROPOSED TOLL GANTRY (SEE STRUCTURAL PLANS FOR DETAILS)

PROPOSED TOLL SITE (SEE TOLL FACILITIES PLANS FOR DETAILS)

CONDUIT RUN 'A' 630-2-11 660 LF
24 SM FOC 633-1-122 660 LF

℄ PENSACOLA BEACH BOULEVARD

EXISTING R/W

N

0 20 100

11"x17" SCALE": 1"=100'

MATCH LINE 158+00

PENSACOLA BEACH BLVD

158 159 160 161 162 163 164 165 166 167 168 169 170 171 172

N90°00'00"E

MATCH LINE 172+40

INSET A

INSET 'A'

SEE INSET 'A'

EXISTING R/W

EPB 635-2-11 1 EA

1-2" HDPE 630-2-12 50 LF
12 SM FOC 633-1-122 50 LF

EXISTING SPLICE VAULT (OWNED BY UNITI FIBER) STA. 161+76, 36' RT (SEE NOTE 1)

INSTALL NEW ELECTRICAL SERVICE STA 161+96.81, 46.94' RT

ELEC PULL BOX 635-2-11 1 EA
ELEC SERVICE 639-1-122 1 AS
SERVICE POLE 641-2-12 1 EA

48 SM FOC (SLACK) 633-1-122 50 LF

PROPOSED 48 SM FOC DROP CABLE TO BE COILED INSIDE TOLL ITS PULL BOX FOR FUTURE USE

2-2" HDPE 630-2-11 90 LF
48 SM FOC 633-1-122 90 LF
ELEC WIRE 639-2-1 90 LF

PROPOSED SPLICE VAULT STA. 162+03, 39' RT

48 SM FOC (SLACK) 633-1-122 100 LF
24 SM FOC (SLACK) 633-1-122 200 LF
SPLICES 633-2-31 24 EA
SPLICE ENCLOSURE 633-3-11 1 EA
SPLICE TRAY 633-3-12 2 EA
SPLICE VAULT 635-2-13 1 EA

CONDUIT RUN 'A' 630-2-11 390 LF
24 SM FOC 633-1-122 390 LF

24 SM FOC (SLACK) 633-1-122 50 LF
FIBER PULL BOX 635-2-12 1 EA

CONDUIT RUN 'A'
USE 3-2" HDPE CONDUITS AS FALLOWS
- 1-2" ORANGE WITHOUT STRIPES (INSTALL 24 SM FOC BACKBONE)
- 2-2" ORANGE WITH GREEN STRIPES (SPARE)
TRACE WIRE SHALL BE BURIED DIRECTLY

CONDUIT RUN 'A'
USE 3-2" HDPE CONDUITS AS FALLOWS
- 1-2" ORANGE WITHOUT STRIPES (INSTALL 24 SM FOC BACKBONE)
- 2-2" ORANGE WITH GREEN STRIPES (SPARE)
TRACE WIRE SHALL BE BURIED DIRECTLY

N

0 20 100

11"x17" SCALE": 1"=100'

CONDUIT RUN 'A' 630-2-12 210 LF
24 SM FOC 633-1-122 210 LF

24 SM FOC (SLACK) 633-1-122 50 LF
FIBER PULL BOX 635-2-12 1 EA

EXISTING R/W

℄ PENSACOLA BEACH BOULEVARD

MATCH LINE 172+40

PENSACOLA BEACH BLVD

173 174 175 176 177 178 179 180 181 182 183 184 185 186

MATCH LINE 186+80

CONDUIT RUN 'A' 630-2-11 515 LF
24 SM FOC 633-1-122 515 LF

24 SM FOC (SLACK) 633-1-122 50 LF
FIBER PULL BOX 635-2-12 1 EA

CONDUIT RUN 'A' 630-2-12 715 LF
24 SM FOC 633-1-122 715 LF

EXISTING R/W

NO.	DSGN	DATE	REVISION	CHK	DR	APVD	BY	APVD

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

ITS
PLANS
STA. 158+00 TO STA. 186+80

VERIFY SCALE

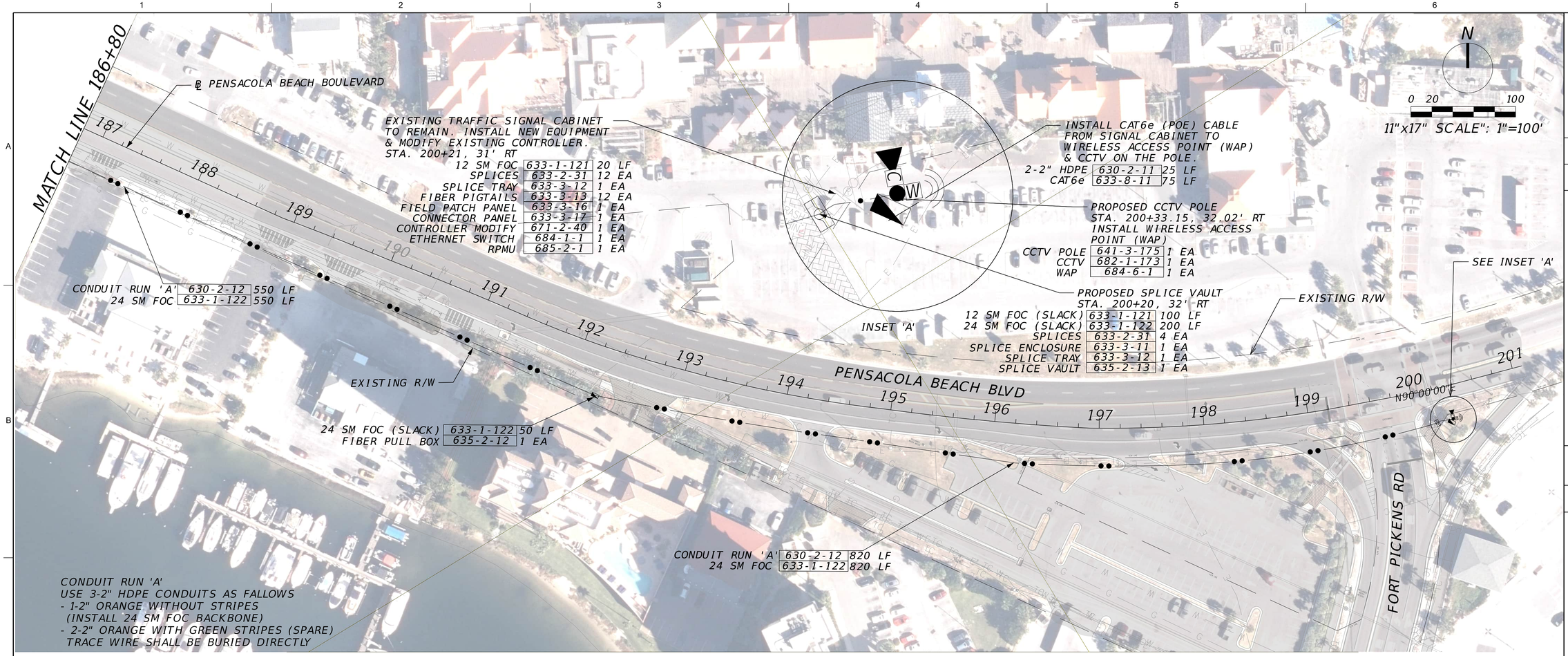
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	I-007
SHEET	28 of 79

100% DESIGN DOCUMENTS

© JACOBS 2021, ALL RIGHTS RESERVED.

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.



NO.	DATE	DSGN	DR	CHK	REVISION	APVD	BY	APVD

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
©JACOBS 2021. ALL RIGHTS RESERVED.

Jacobs

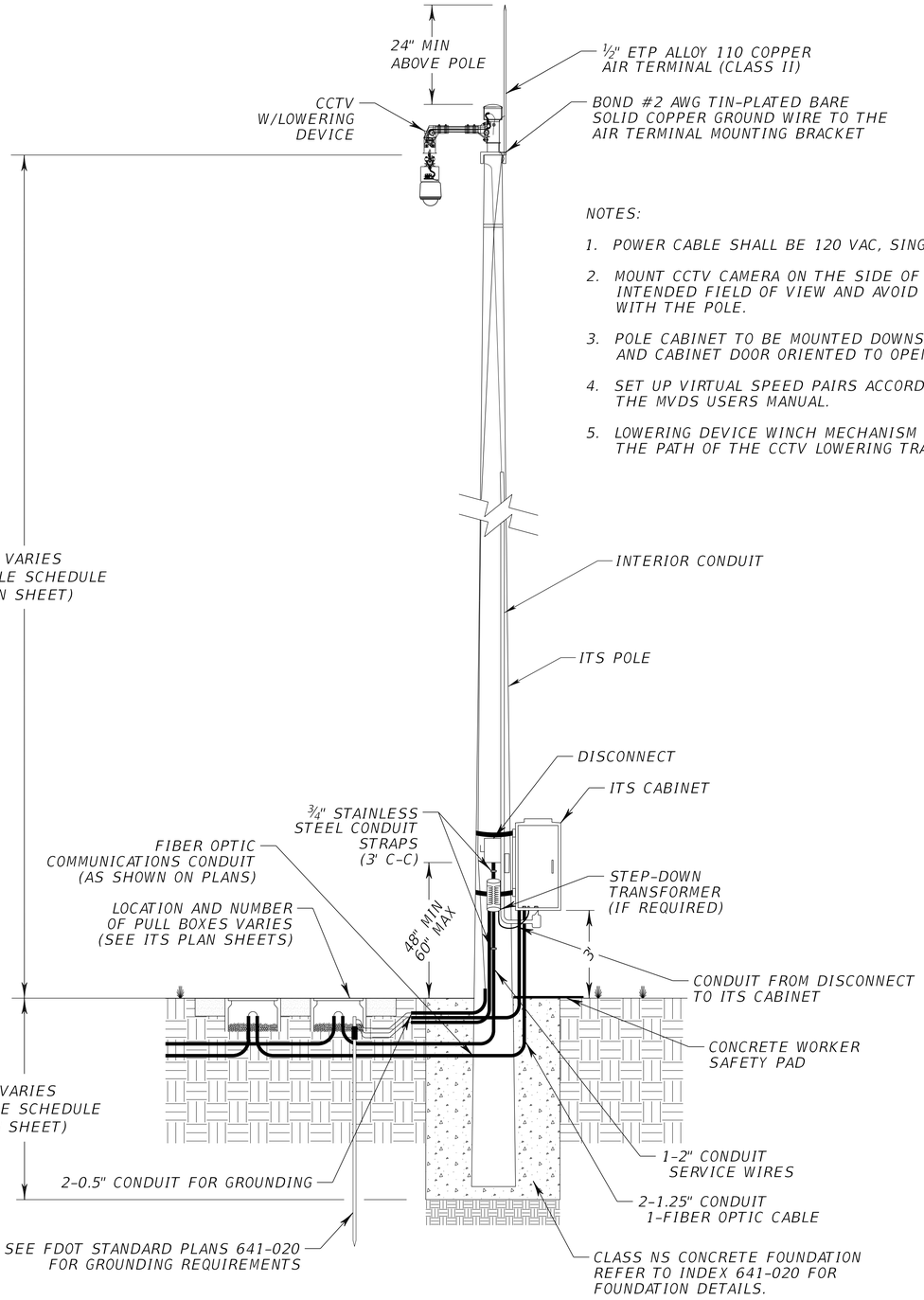
ITS
PLANS
STA. 186+80 TO STA. 201+00

100% DESIGN DOCUMENTS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	I-008
SHEET	29 of 79

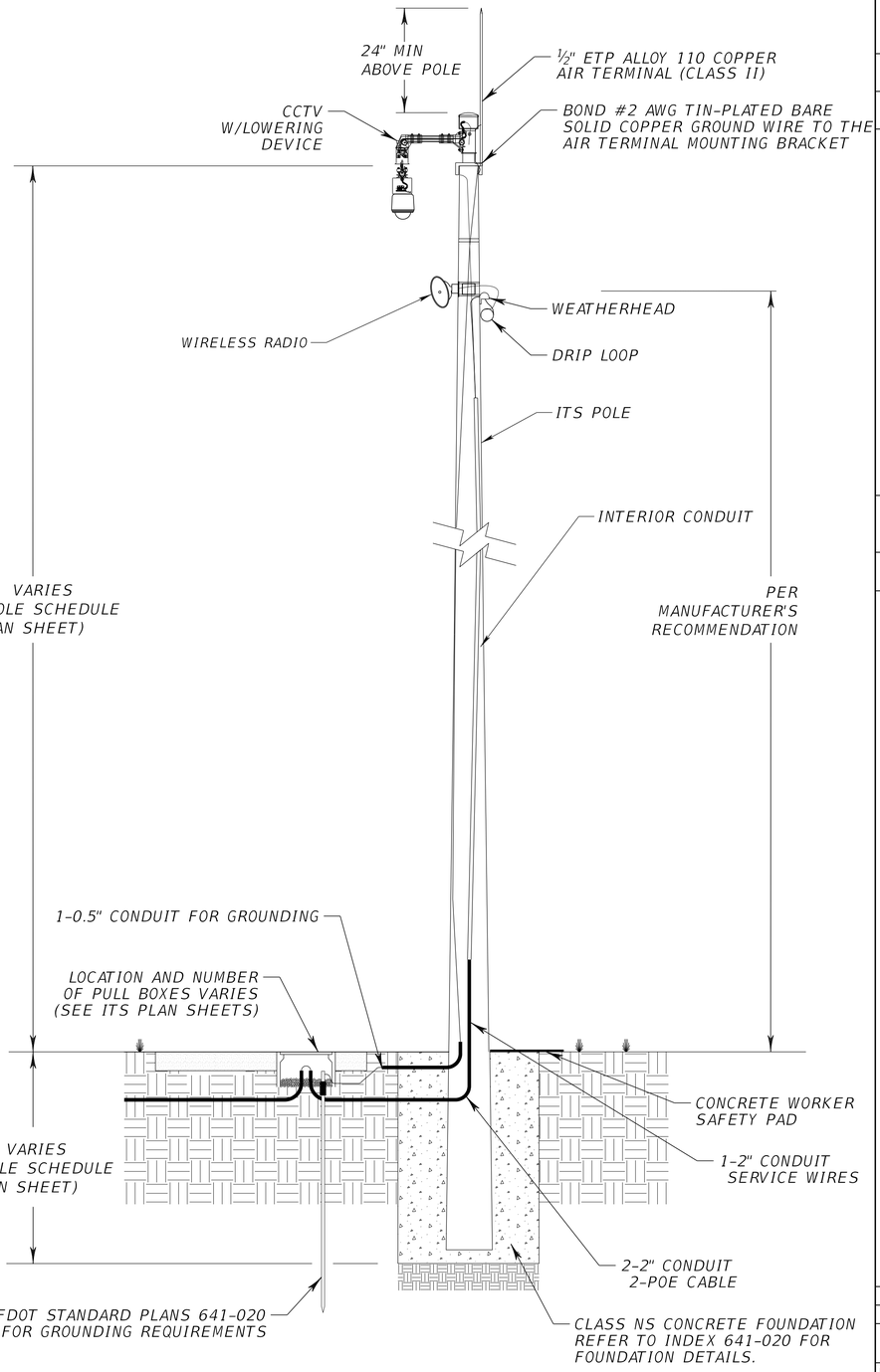
CCTV INSTALLATION DETAILS
N.T.S.



NOTES:

1. POWER CABLE SHALL BE 120 VAC, SINGLE PHASE SERVICE.
2. MOUNT CCTV CAMERA ON THE SIDE OF POLE NEAREST INTENDED FIELD OF VIEW AND AVOID OCCLUDING THE VIEW WITH THE POLE.
3. POLE CABINET TO BE MOUNTED DOWNSTREAM SIDE OF TRAFFIC, AND CABINET DOOR ORIENTED TO OPEN AWAY FROM TRAFFIC.
4. SET UP VIRTUAL SPEED PAIRS ACCORDING TO THE REQUIREMENTS OF THE MVDS USERS MANUAL.
5. LOWERING DEVICE WINCH MECHANISM TO BE MOUNTED AWAY FROM THE PATH OF THE CCTV LOWERING TRAJECTORY

POLE 'A' - STA 156+57.49, 39' RT



POLE 'B' - STA 200+33.15, 32.02' RT

© JACOBS 2021. ALL RIGHTS RESERVED.
THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
REUSE OF DOCUMENTS:

NO.	DSGN	DATE	REVISION	DR	CHK	APVD	BY	APVD

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

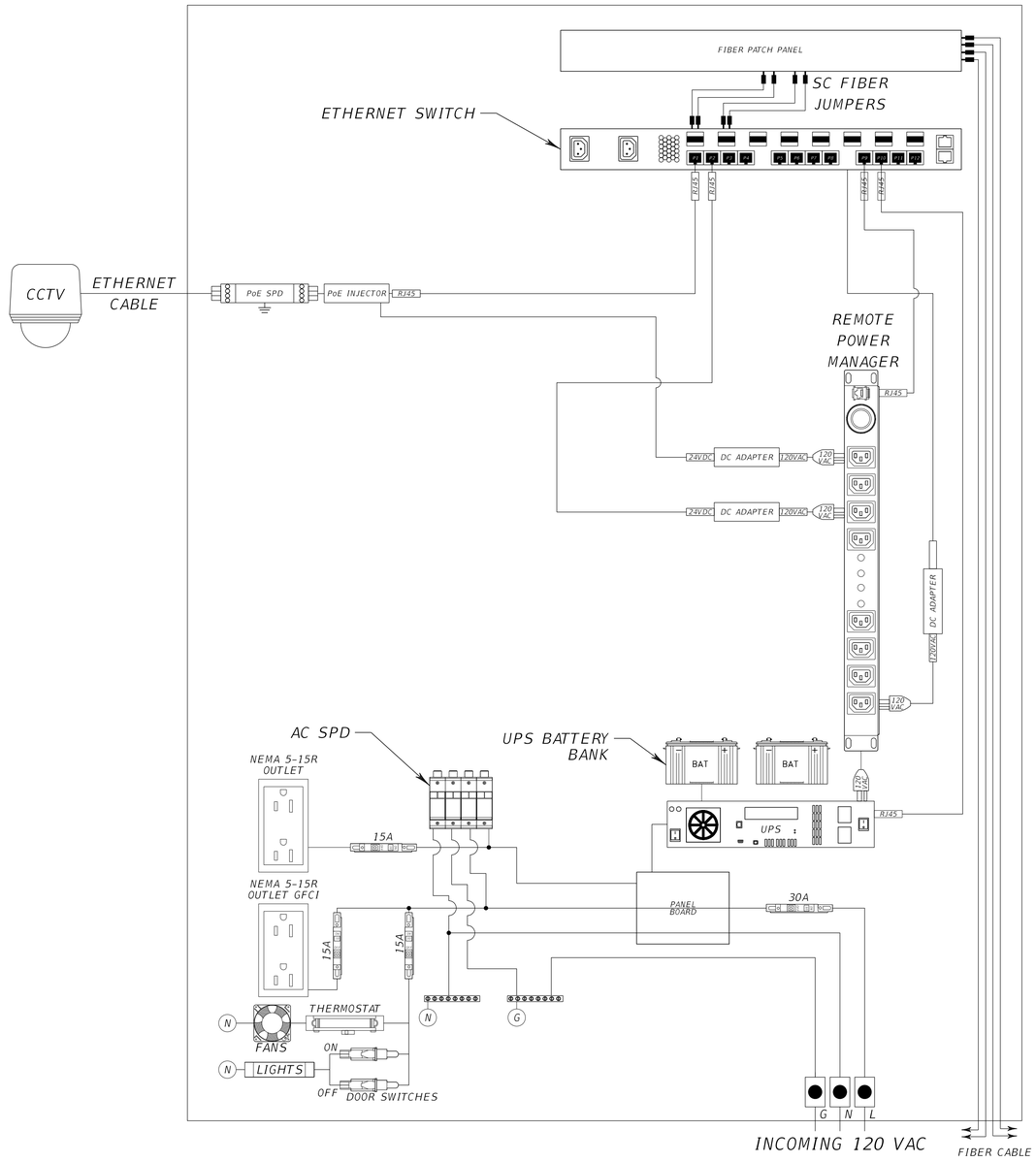
Jacobs

ITS
CCTV & RADIO
INSTALLATION DETAILS

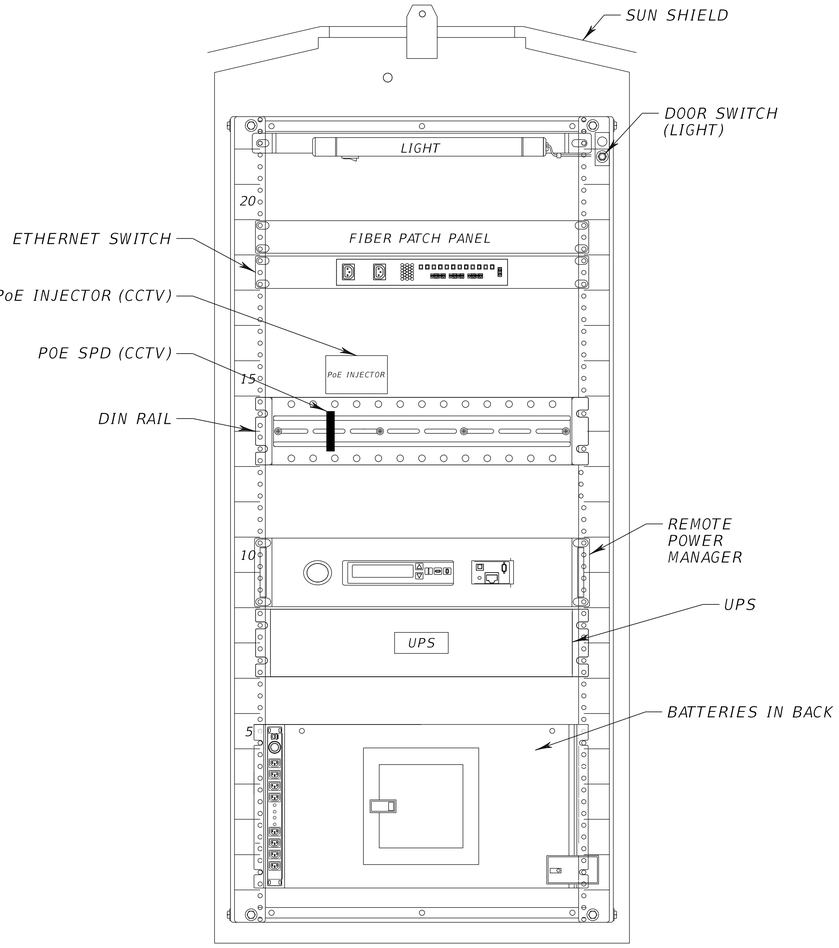
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	I-009
SHEET	30 of 79

100% DESIGN DOCUMENTS



CCTV WIRING DIAGRAM
N.T.S.



POLE MOUNTED CABINET

CCTV CABINET DETAILS
N.T.S.

POLE 'A' - STA 156+57.49, 39' RT

NO.	DATE	REVISION	CHK	APVD
DSGN		DR	APVD	BY APVD

© JACOBS 2021. ALL RIGHTS RESERVED.
THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
REUSE OF DOCUMENTS:

100% DESIGN DOCUMENTS

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

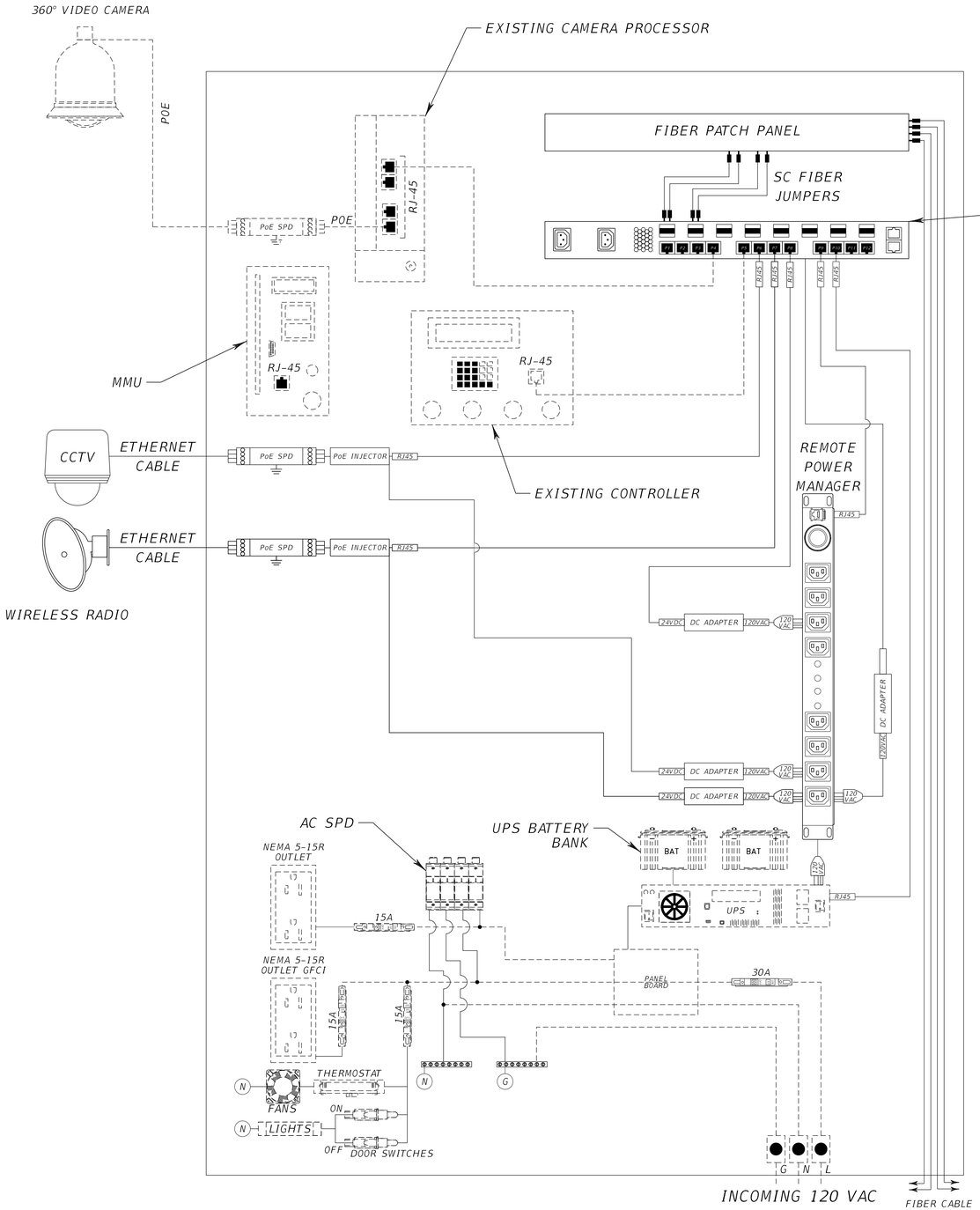
Jacobs

ITS

CABINET DETAILS & WIRING DIAGRAM

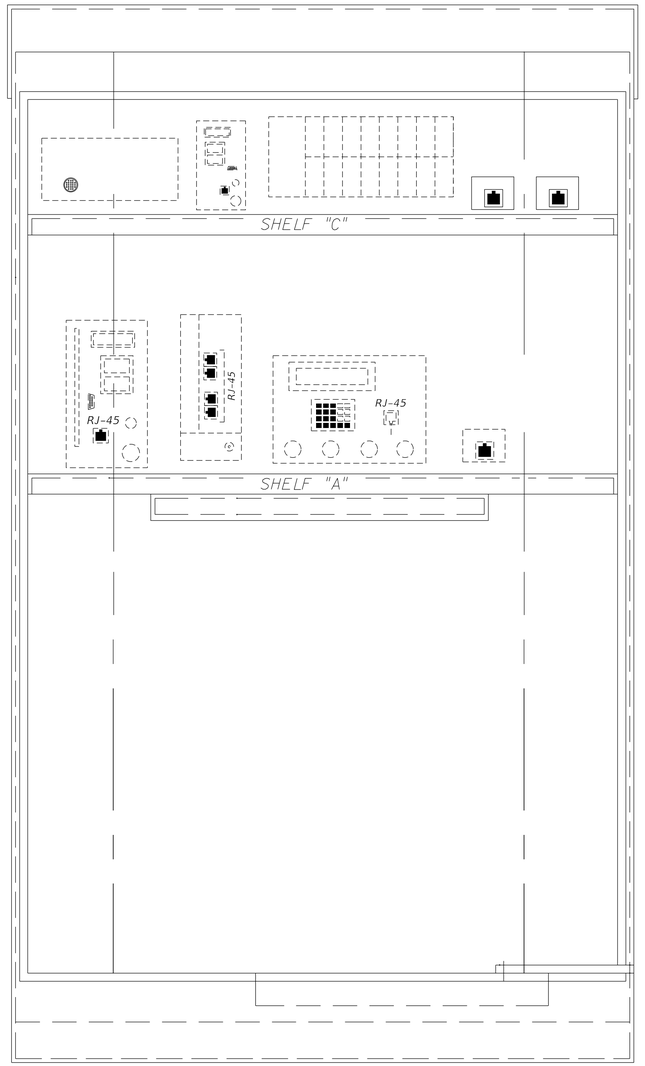
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	I-010
SHEET	31 of 79



CCTV & RADIO WIRING DIAGRAM
(EXISTING SIGNAL CABINET)

N.T.S.



SIGNAL CABINET DETAILS

N.T.S.

POLE 'B' - STA 200+33.15, 32.02' RT

NO.	DATE	DSGN
REVISION	DR	CHK
APVD	BY	APVD

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

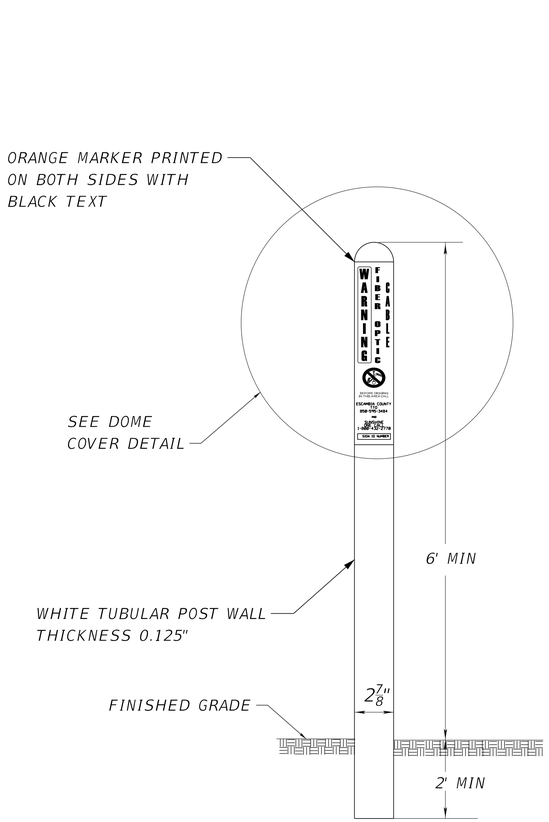
ITS
CABINET DETAILS & WIRING DIAGRAM

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

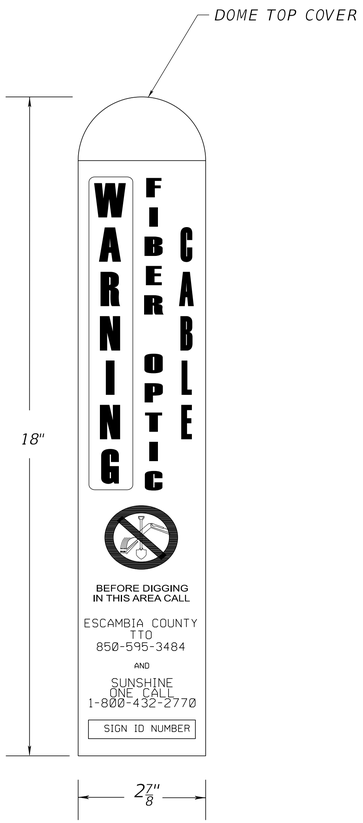
DATE	SEPT 2025
PROJ	D3971300
DWG	I-011
SHEET	32 of 79

100% DESIGN DOCUMENTS

© JACOBS 2021. ALL RIGHTS RESERVED.
THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
REUSE OF DOCUMENTS:



FRONT VIEW



DOME COVER DETAIL

FIBER OPTIC ROUTE MARKER DETAIL
N.T.S.

NO.	DATE	REVISION	DR	CHK	APV'D	BY	APV'D
DSGN							

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

©JACOBS 2021. ALL RIGHTS RESERVED.
THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
REUSE OF DOCUMENTS:

100% DESIGN DOCUMENTS

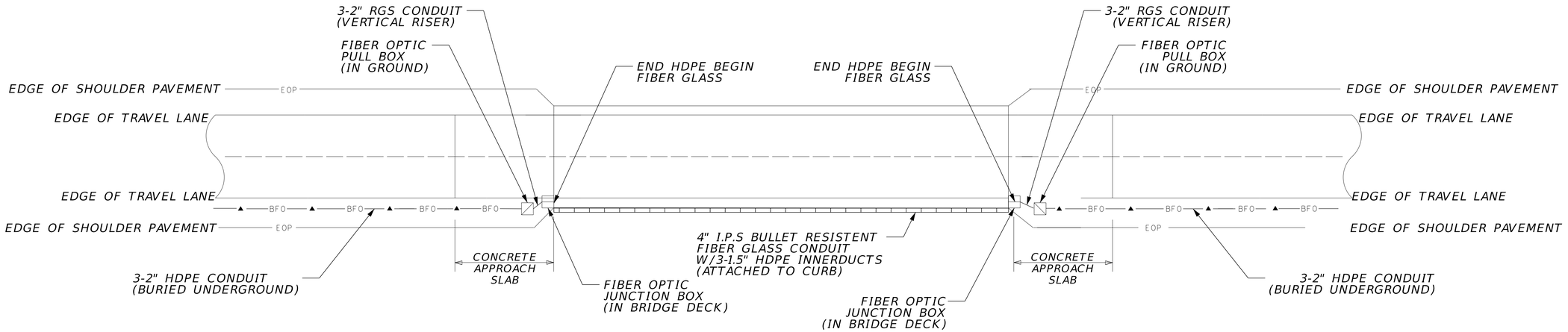
Jacobs

ITS
FIBER OPTIC ROUTE MARKER DETAIL

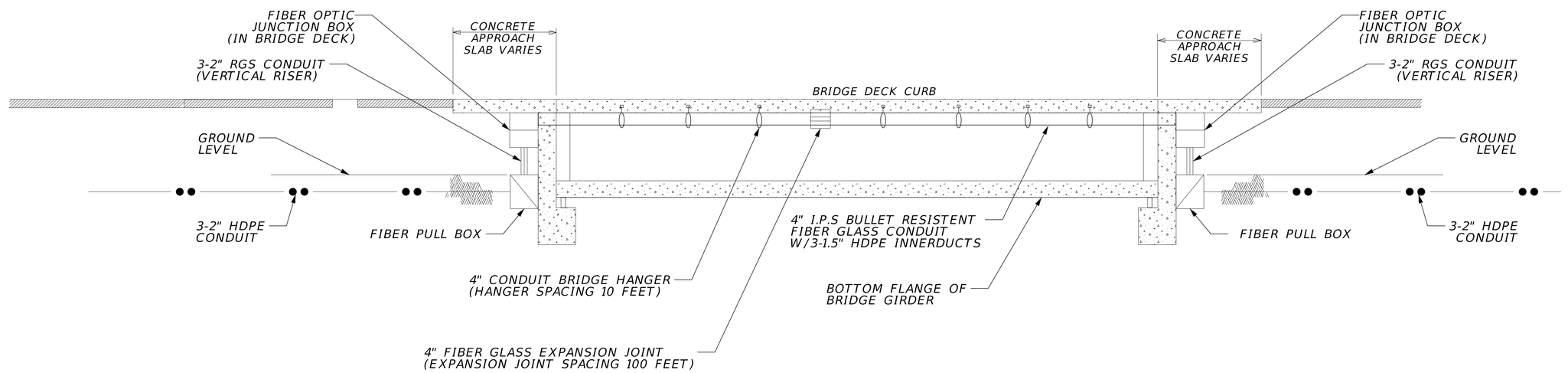
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	I-012
SHEET	33 of 79

TYPICAL BRIDGE APPROACH ATTACHMENT DETAIL



PLAN VIEW



PROFILE

NO.	DESCRIPTION	DATE	DSGN	DR	CHK	APVD
	REVISION		BY			APVD

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

ITS
BRIDGE CONDUIT
LAYOUT DETAILS

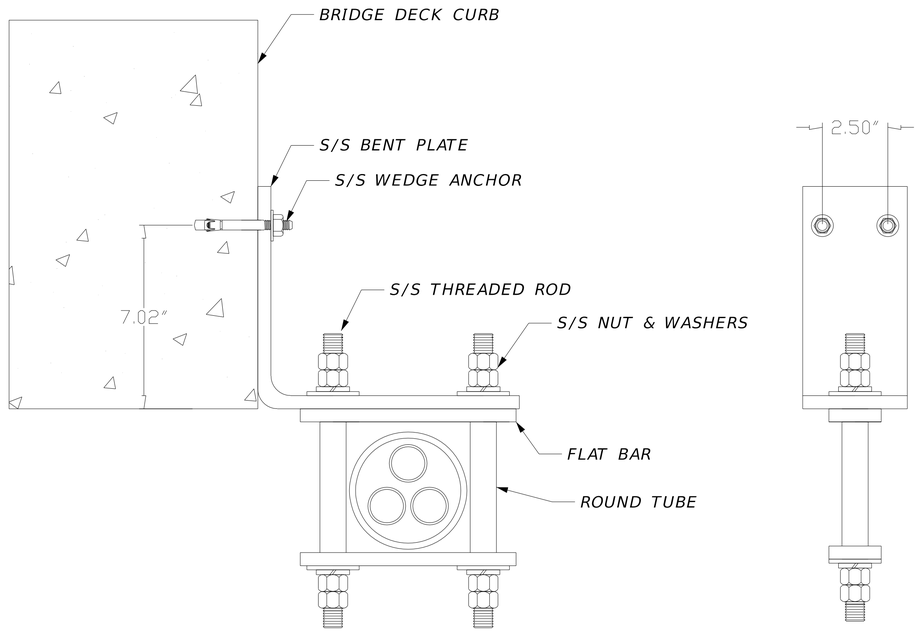
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	I-013
SHEET	34 of 79

100% DESIGN DOCUMENTS

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

© JACOBS 2021. ALL RIGHTS RESERVED.

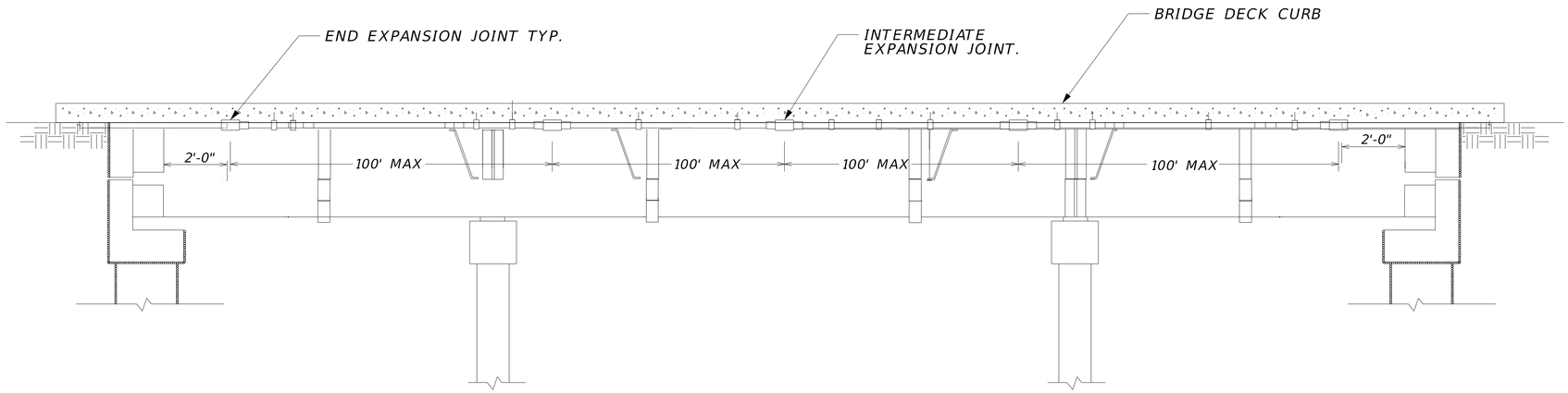


FRONT SIDE

HANGER DETAILS

NOTES:

1. THE FIBER OPTIC (FOC) SHALL BE CONTAINED WITHIN A 4" DIAMETER I.P.S. BULLET RESISTANT FIBERGLASS OUTERDUCT CONDUIT WITH 3-1.5" HDPE INNERDUCTS.
2. THE MAXIMUN ANCHORING HANGER SPACING SHALL NOT EXCEED 10 FEET AND THE EXPANSION JOINT SHALL BE PLACED AT EVERY 100 FEET MAXIMUM OR WITHIN 5 FEET OF PIER OR ABUTMENT
3. HANGER INSERT SHALL BE 3/8" STAINLESS STEEL, HAVING A SAFE WORKING LOAD OF 1.5 KIP TENSION AND 2.7 KIP SHEAR MAXIMUM
4. THE INSTALLATION OF HANGER INSERTS SHALL BE STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
5. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR THE FOLLOWING ITEMS:
   A. INSERT AND HANGER LAYOUT
   B. CATALOG CUTS FOR HANGER AND ANCHOR ASSEMBLIES.



EXPANSION JOINT DETAILS

NO.	DATE	DSGN	DR	CHK	APVD	BY	APVD
				REVISION			

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

ITS
FIBERGLASS EXPANSION JOINT & HANGER DETAILS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	I-014
SHEET	35 of 79

100% DESIGN DOCUMENTS

© JACOBS 2021. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

SR 399 (PENSACOLA BEACH BLVD)

OUTDOOR COMMUNICATION CABINET (OCC)
STA XXX+XX, XX' RT

SC-SC DUPLEX JUMPERS

CONNECTOR PANEL
12 FIBER, SC DUPLEX,
UPC, CERAMIC CONNECTORS

FIBER PATCH PANEL
(48 PORT)

SPLICE TRAY

PROPOSED 48 SM TOLL GANTRY
LATERAL DROP TO BE COILED
INSIDE FIBER PULL BOX
FOR FUTURE USE

48 SM FOC
LATERAL DROP

PROPOSED CCTV CABINET
STA 157+58, 39' RT

EXISTING TRAFFIC SIGNAL
CABINET AT SE CORNER OF
FORT PICKENS RD

SPLICE VAULT FOR
FUTURE CONNECTION
END OF PROPOSED
24 SM FOC (BACKBONE)

PROPOSED SPLICE VAULT
STA 102+04, 38' RT

PROPOSED SPLICE VAULT
STA 156+63, 39' RT

PROPOSED SPLICE VAULT
AT TOLL SITE
STA 163+03, 39' RT

PROPOSED SPLICE VAULT
STA 200+20, 32' RT

PROPOSED 24 SM FOC
(BACKBONE)

PROPOSED / EXISTING FUSION SPLICE
UNTERMINATED FIBER
FIBER PATCH CABLE
ETHERNET CABLE
CCTV
POE INJECTOR
WIRELESS RADIO
PRETERMINATED PATCH PANEL
ETHERNET SWITCH
SIGNAL CONTROLLER
SPLICE VAULT & ENCLOSURE
BUFFER TUBE
TX / RX
TRANSMIT / RECEIVE

FIBER KEY

CODE	COLOR	POSITION
BL	BLUE	1
OR	ORANGE	2
GR	GREEN	3
BR	BROWN	4
SL	SLATE	5
WH	WHITE	6
RD	RED	7
BK	BLACK	8
YL	YELLOW	9
VI	VIOLET	10
RO	ROSE	11
AQ	AQUA	12

NO.	DSGN	DATE	REVISION	CHK	APVD	BY	APVD

© JACOBS 2021. ALL RIGHTS RESERVED.

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

ITS

SPLICING DIAGRAM

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

100% DESIGN DOCUMENTS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	I-015
SHEET	36 of 79

D1 — 600V/XX MIN RATED HEAVY DUTY FUSIBLE SAFETY SWITCH DOUBLE POLE, SINGLE THROW, SOLID NEUTRAL, 240V, FUSIBLE XX0A, NEMA 3R PADLOCKABE ENCLOSURE

D2 — PANELBOARD, SERVICE ENTRANCE RATED; NEMA 3R PADLOCKABLE ENCLOSURE, 120/240V, XXX BUS 12 SINGLE SPACES, XXX KAIC

D3 — MAIN DISCONNECT SWITCH FOR CABINET, 600A, 100A, HEAVY DUTY NON-FUSIBLE SWAFETY SWITCH.

D4 — ITS CABINET, WHICH CONSISTENTS OF MAIN CIRCUIT BREAKER AND BRANCH CIRCUIT BREAKER. REFER TO THE CABINET WIRING DIAGRAM FOR DETAILS. (MIN 10K AIC RATING)

G1 — 5/8" DIA. 20' LONG COPPER GLAD GROUND ROD (EXTEND OR ADD ADDITIONAL GROUND RODS AT A 40' MIN. SPACING BONDED WITH #2 AWG BARE COPPER GROUND WIRE TO ACHIEVE 5 OHMS MAX. RESISTANCE TO GROUND).

G2 — GROUNDING ELECTRODE ARRAY; REFER TO TYPICAL INSTALLATION DETAILS

G3 — BOND SERVICE NEUTRAL TO GROUND, EQUIPMENT GROUNDING CONDUCTOR AND DICONNECT ENCLOSURE IN SERVICE ENTRANCE WITH #6 AWG BONDING JUMPER

G4 — #6 AWG COPPER GROUNDING ELECTRODE CONDUCTOR

G5 — #2 AWG COPPER GROUNDING ELECTRODE CONDUCTOR

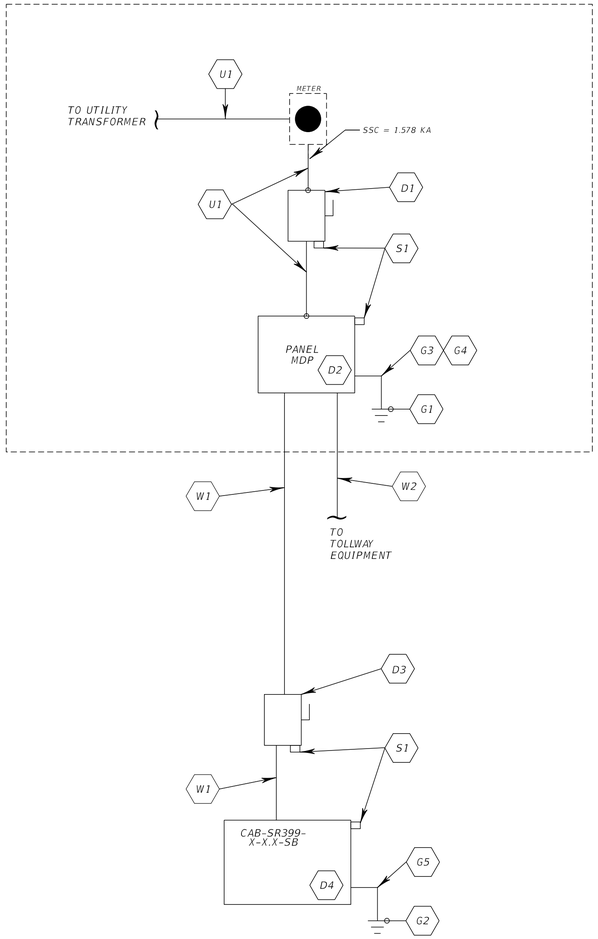
S1 — SURGE PROJECTION DEVICE: TYPE 1 AT SERVICE TYPE 2 AT PANELBOARD; TYPE 3 AT CABINET

U1 — SERVICE CONDUCTORS: 2-#2 AWG XHHW, 1-#2 AWG XHHW GROUNDED CONDUCTOR

W1 — 2-#6 AWG XHHW, 1-#6 AWG XHHW GROUNDED CONDUCTOR IN 2" CONDUIT

W2 — 2-#XX AWG XHHW, 1-#X AWG XHHW GROUNDED IN X" CONDUIT

MOUNT OF EQUIPMENT RACK



NO.	DSGN	DATE	REVISION	BY	APVD

©JACOBS 2021. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

100% DESIGN DOCUMENTS

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

ITS

POWER SERVICE DETAILS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	I-016
SHEET	37 of 79

ELECTRICAL GENERAL NOTES

1. PROVIDE PULL STRINGS IN ALL EMPTY CONDUIT AND RACEWAYS WITH LABELING AT EACH END.

2. THE USE OF ANY PROCESS INVOLVING ASBESTOS OR PCB, AND THE INSTALLATION OF ANY PRODUCT, INSULATION, COMPOUND OF MATERIAL CONTAINING OR INCORPORATING ASBESTOS OR PCB, IS PROHIBITED. PROVIDE A COMPLETE AND PROPERLY OPERATING ELECTRICAL SYSTEM WITHOUT THE USE OF ASBESTOS OR PCB.

3. INCLUDE THE TRANSPORT AND DISPOSAL OR RECYCLING OF ALL WASTE MATERIALS GENERATED BY THIS PROJECT IN ACCORDANCE WITH ALL RULES, REGULATIONS AND GUIDELINES APPLICABLE. PROVIDE WRITTEN CERTIFICATION THAT ALL MATERIALS WERE RECYCLED OR DISPOSED OF PROPERLY PER THE GUIDELINES NOTED ABOVE.

4. LOCATE EXISTING UTILITIES AND PROTECT THEM FROM DAMAGE.

5. UNDERGROUND CONDUIT SHALL BE PVC SCH. 80, UON. UNDERGROUND CONDUIT SHALL TRANSITION TO RGS CONDUIT WITH PVC TO RGS CONDUIT FITTINGS. WHERE RGS CONDUIT IS INSTALLED UNDERGROUND IT SHALL BE COATED WITH WATER PROOFING BITUMINOUS COATING. COATING SHALL EXTEND 6 INCHES ABOVE GRADE OR 6 INCHES ABOVE THE THE CONCRETE SLAB.

6. TOLL EQUIPMENT AND ALL WIRING/CABLING FOR TOLL EQUIPMENT WILL BE FURNISHED AND INSTALLED BY T.E.C., TRANSCORE.

7. UNDERGROUND CONDUITS SHALL BE INSTALLED A MINIMUM OF 36" BELOW GRADE.

8. EXPOSED EXTERIOR CONDUIT SHALL BE RGS THROUGH AND INCLUDING THE FIRST 90° BEND INSTALLED UNDERGROUND. TRANSITIONS BETWEEN RGS AND PVC CONDUIT SHALL BE MADE WITH A RGS TO PVC CONDUIT FITTING.

9. EQUIPMENT SPECIFIED WITH CATALOG NUMBERS OR PART NUMBERS SHALL NOT BE SUBSTITUTED UNLESS "OR EQUAL" IS INDICATED.

10. CONDUIT RESERVED FOR TOLLING LOOPS SHALL BE SCH. 80 PVC.

11. PLASTIC END CAPS SHALL BE INSTALLED ON ENDS OF UNISTRUT.

12. ALL LIQUID TIGHT FLEXIBLE CONDUIT SHALL BE METALLIC.

13. CONTACT THE POWER COMPANY AND TELEPHONE COMPANY WITHIN 10 DAYS OF THE AWARD OF THE CONTRACT AND SCHEDULE NEW SERVICE INSTALLATION.

14. PHASE WORK AS REQUIRED BY MOT PLANS.

15. MAINLINE GANTRY DATA WIRE TROUGHS SHALL BE MODIFIED BY A UL OR ETL LISTED PANEL SHOP. THE WIREWAYS TERMINATED TO THE TOP OF THE WIRE TROUGH SHALL BE MODIFIED AND ASSEMBLED IN THE PANEL SHOP AND NOT IN THE FIELD TO ENSURE PROPER WATERTIGHT SEAL. SHOP DRAWINGS INCLUDING DIMENSIONED SKETCHES AND MATERIAL PRODUCT DATA SHALL BE SUBMITTED FOR REVIEW FOR FABRICATION OF DATA WIRE TROUGH. REFER TO MAINLINE GANTRY DETAILS FOR ADDITIONAL REQUIREMENTS.

ELECTRICAL SYMBOL LEGEND:

SYMBOL	DESCRIPTION
J	JUNCTION BOX 4" SQ. OR AS NOTED.
	GROUND WELL WITH GROUND ROD.
	DISCONNECT SWITCH AS NOTED.
	METALLIC LIQUID TIGHT FLEXIBLE CONDUIT CONNECTION.
J	OUTLET OR JUNCTION BOX, SIZE PER NEC.
	CONTROL PANEL.
	GROUND ROD
PB	PULL BOX.
LP	LIGHTNING PROTECTION CONDUCTOR.
G	UNDERGROUND GROUND CONDUCTOR.
	UNDERGROUND CONDUIT
	CONDUIT UP.
	CONDUIT DOWN.
	DEVICE OR EQUIPMENT AS NOTED
#	REFERENCE NOTES

ABBREVIATIONS:

A	AMPS
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
AC	AIR CONDITIONING [UNIT]
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
AL, ALUM.	ALUMINUM
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
ATS	AUTOMATIC TRANSFER SWITCH
AVI	AUTOMATIC VEHICLE IDENTIFICATION
AWG	AMERICAN WIRE GAUGE
BCU	BATTERY CHARGER UNIT
BLDG.	BUILDING
BPS	BYPASS SWITCH
C.	CONDUIT
CCTV	CLOSED CIRCUIT TELEVISION
CKT.	CIRCUIT
COMP	COMPUTER
CU	COPPER
COMM.	COMMUNICATION
DEP	DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIA.	DIAMETER
DN	DOWN
DWG.	DRAWING
E6	ENCOMPASS 6 MULTIPROTOCOL READER
ENG.	ENGINE
ETC	ELECTRONIC TOLL COLLECTION
ETC.	ET CETERA
EQUIP.	EQUIPMENT
EPA	ENVIRONMENTAL PROTECTION AGENCY
EPO	EMERGENCY POWER OFF
EXT.	EXTERIOR
FOC	FIBER OPTIC CABLE
FT	FOOT; FEET
FTE	FLORIDA'S TURNPIKE ENTERPRISE
FTL	FEED THROUGH LUGS
FTM	FUEL TANK MONITOR
FUT	FUTURE
GA	GAUGE
GAL.	GALLON
GEC	GROUNDING ELECTRODE CONDUCTOR
GFI	GROUND FAULT INTERRUPTER
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
HP	HORSEPOWER
HZ	HORIZONTAL, HERTZ
I.C.	INTERRUPTING CAPACITY
I.D.	IDENTIFICATION
IN.	INCHES
JB	JUNCTION BOX
KA	KILOAMPERES
KVA	KILOVOLT AMPERES
KW	KILOWATT
LED	LIGHT EMITTING DIODE
LFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT
LN CTR	LANE CONTROLLER
LOC.	LOCATION
LLC	LEAD LAG CONTROLLER
LP	LIGHTNING PROTECTION
LTG	LIGHTING
MAX.	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MTS	MANUAL TRANSFER SWITCH
MIN.	MINIMUM
ML	MAINLINE
M.L.O.	MAIN LUGS ONLY
MOT	MAINTENANCE OF TRAFFIC
MTD	MOUNTED
N	NEUTRAL
NB	NORTHBOUND

ABBREVIATIONS CONT:

N.C.	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NIC	NOT IN CONTRACT
NO.	NUMBER
N.O.	NORMALLY OPEN
N.T.S.	NOT TO SCALE
N3R	NEMA 3R
OC	ON CENTER
ORT	OPEN ROAD TOLLING
Ø	PHASE
P	POLE
PCB	POLYCHLORINATED BIPHENYL
PNL	PANEL
PVC	POLYVINYL CHLORIDE
RECEPT.	RECEPTACLE
RGS	RIGID GALVANIZED STEEL
RTC	ROADSIDE TOLLING CABINET
RMS	ROOT MEAN SQUARED
SB	SOUTHBOUND
SCADA	SUPERVISORY CONTROL & DATA ACQUISITION
SCH.	SCHEDULE
SCP	SCADA CONTROL PANEL
SCTE	SOCIETY OF CABLE TELECOMMUNICATIONS ENGINEERS
SD	SQUARE D
SER	SERVICE ENTRANCE RATED
SPD	SURGE PROTECTIVE DEVICE
SPEC(S)	SPECIFICATION(S)
S.P.S.T.	SINGLE POLE SINGLE THROW
S.S.	STAINLESS STEEL
STP	SHIELDED TWISTED PAIR
SQ.	SQUARE
STFE	STATE TOLL FACILITY ENGINEER
SYMM.	SYMMETRICAL
T.E.C.	TOLL EQUIPMENT CONTRACTOR
T&H	TEMPERATURE AND HUMIDITY SENSOR
T.O.	TOLL OPERATIONS
TSP	TECHNICAL SPECIAL PROVISIONS
TYP.	TYPICAL
UL	UNDERWRITERS LABORATORIES
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLTS
VAC	VOLTS ALTERNATING CURRENT
VDAC	VEHICLE DETECTION AND CLASSIFICATION UNIT
VES	VIOLATION ENFORCEMENT SYSTEM
VSS	VIDEO SURVEILLANCE SYSTEM
W	WIRE; WATT
W/	WITH
WP	WEATHERPROOF (NEMA 3R)
XFMR	TRANSFORMER

NO.	DSGN	DATE	BY	APVD	REVISION	CHK	DR

© JACOBS 2021. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

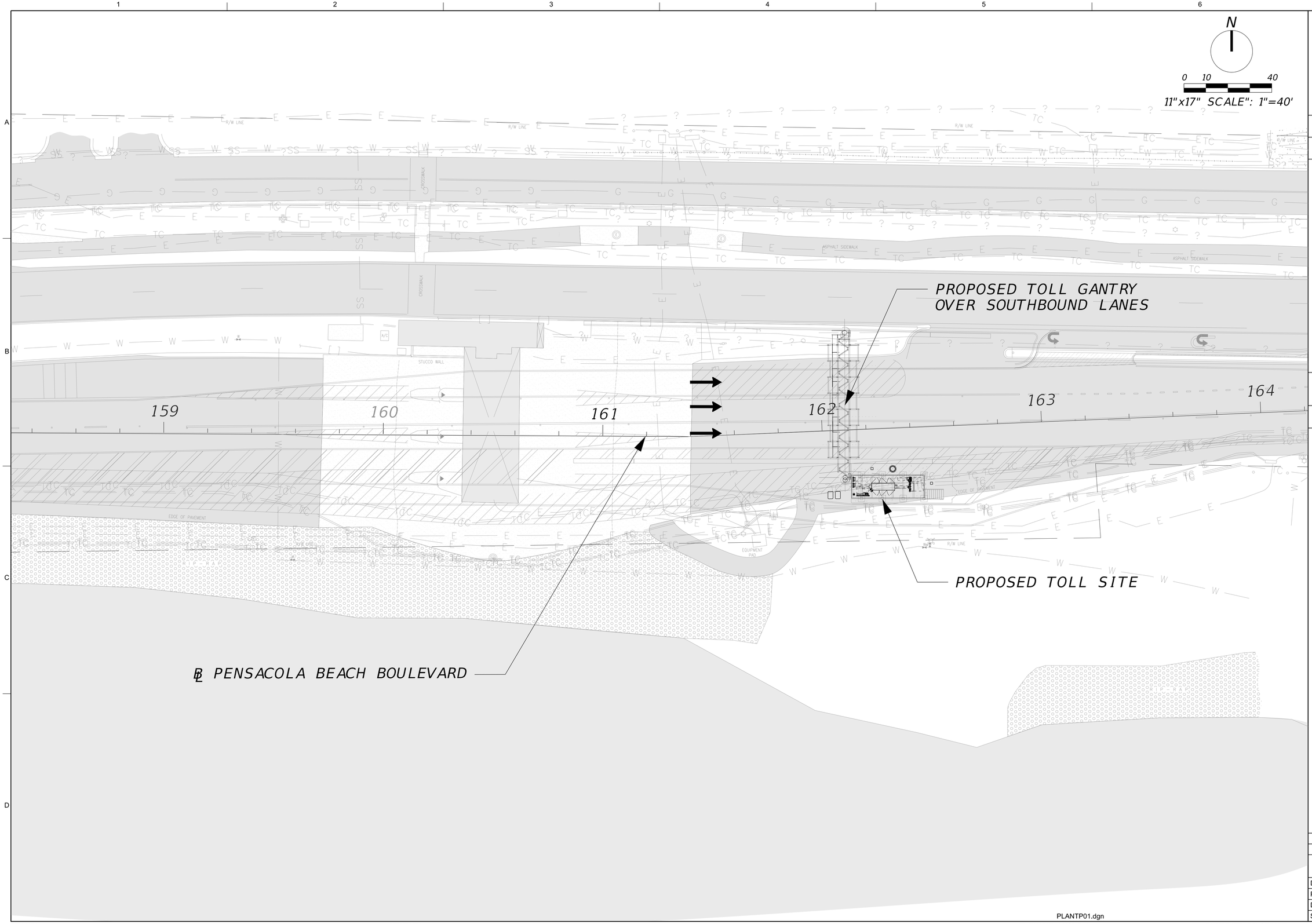
Jacobs

TOLL
GENERAL NOTES

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	T-002
SHEET	38 of 79

100% DESIGN DOCUMENTS



NO.	DATE	DSGN	DR	CHK	APVD	BY	REVISION
					APVD		

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

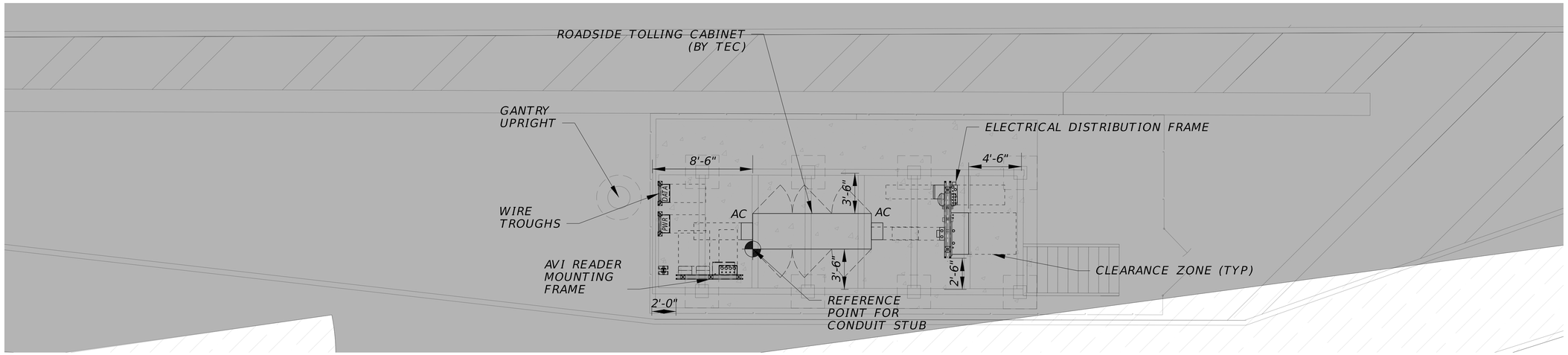
TOLL
OVERALL SITE PLAN

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	T-003
SHEET	39 of 79

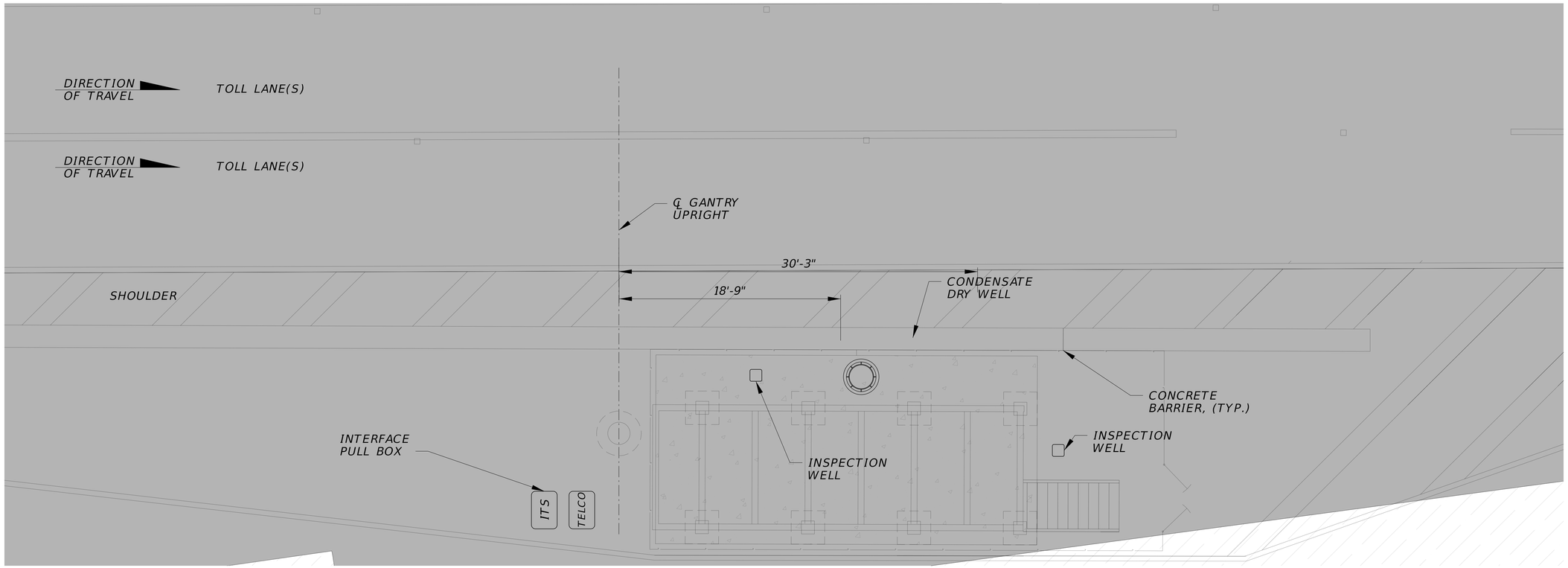
100% DESIGN DOCUMENTS

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
©JACOBS 2021. ALL RIGHTS RESERVED.



ROADSIDE TOLLING CABINET SITE LAYOUT (AT PLATFORM)

NTS



ROADSIDE TOLLING CABINET SITE LAYOUT (AT GRADE)

NTS

NO.	DATE	REVISION	DR	CHK	APVD	BY	APVD
DSGN							

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

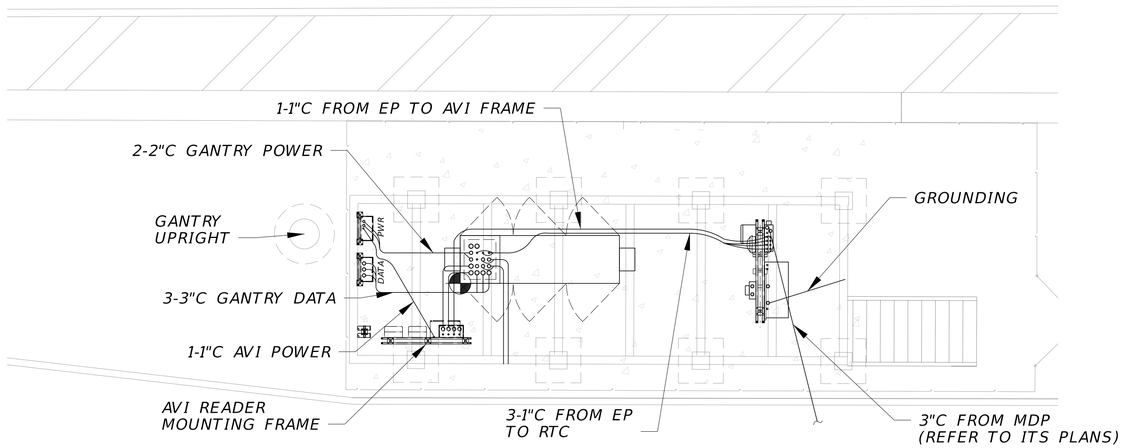
TOLL
ENLARGED CIVIL SITE PLAN

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	T-004
SHEET	40 of 79

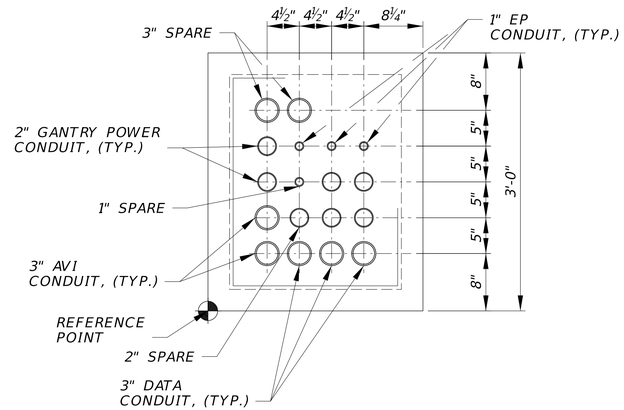
100% DESIGN DOCUMENTS

© JACOBS 2021. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.



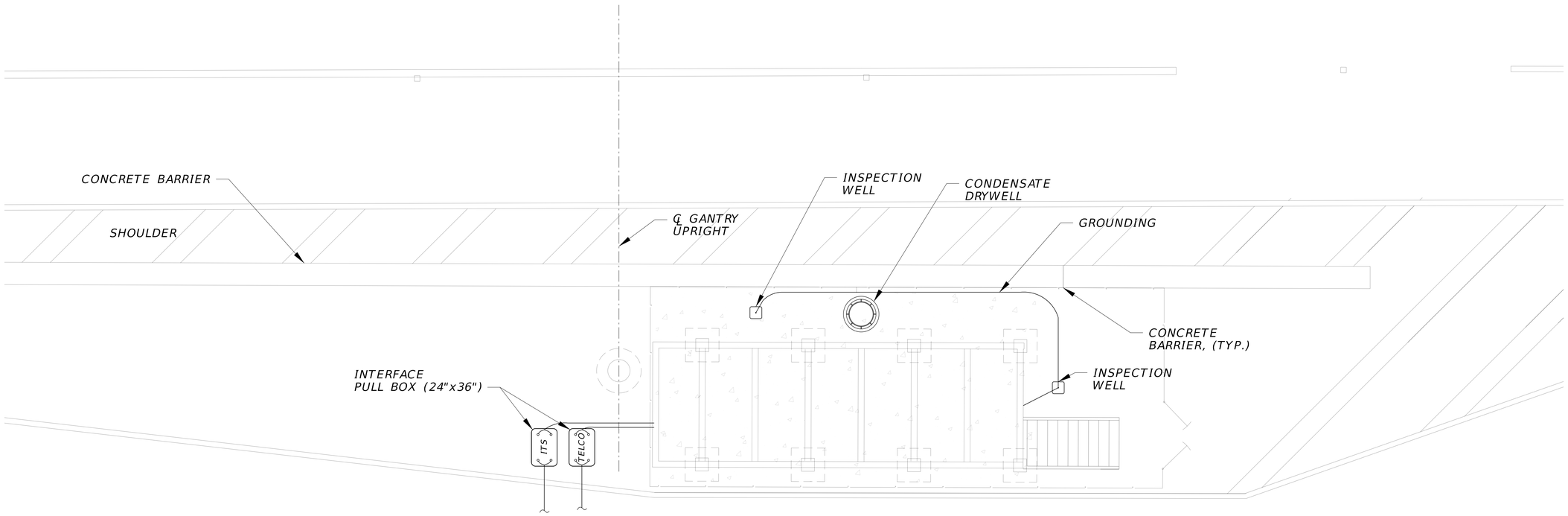
ELECTRICAL SITE LAYOUT (AT PLATFORM - UPPER DECK)

N.T.S.



DETAILED CONDUIT STUB-UP PLAN - RTC WORKING SPACE

N.T.S.



NO.	DESCRIPTION	DATE	DR	CHK	APVD	BY	APVD
				REVISION			

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

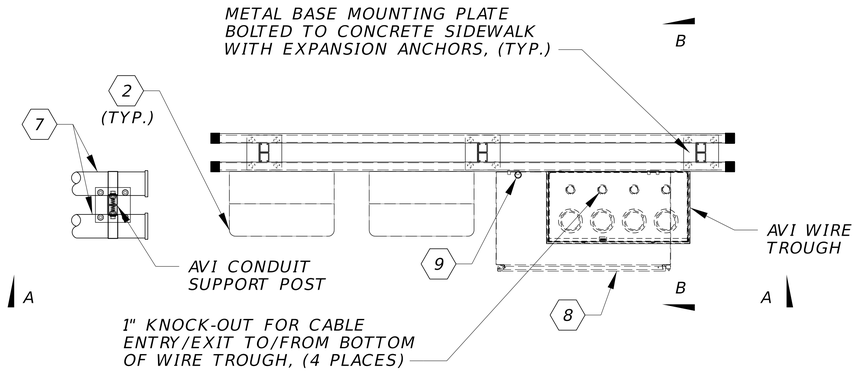
TOLL
ELECTRICAL SITE PLAN

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	T-005
SHEET	41 of 79

100% DESIGN DOCUMENTS

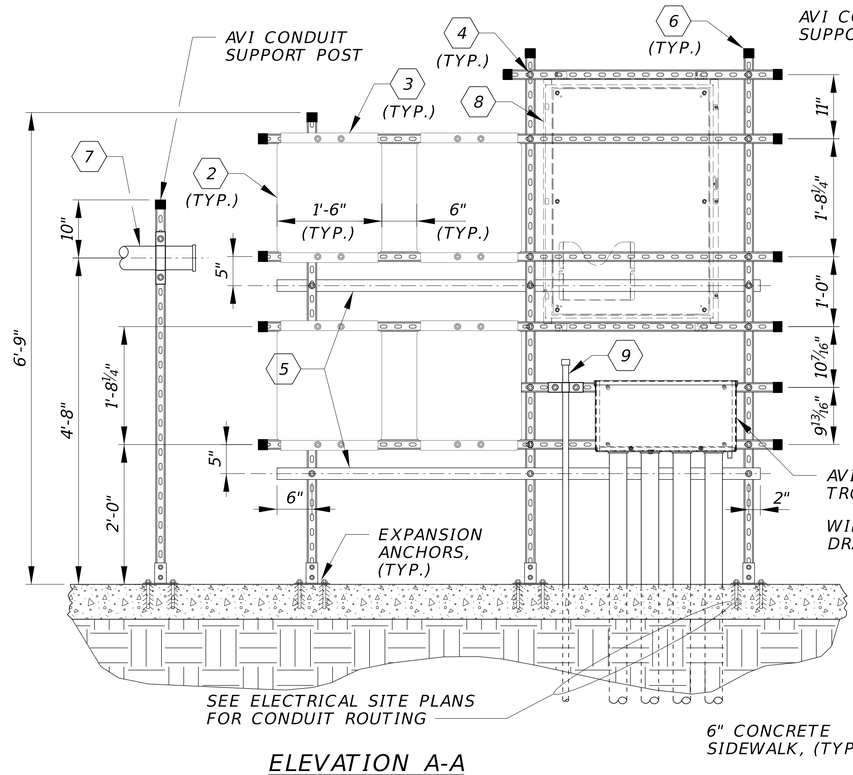
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
© JACOBS 2021. ALL RIGHTS RESERVED.



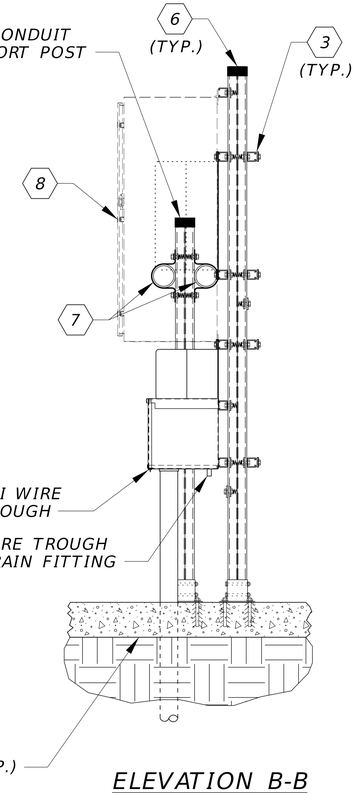
AVI READER GROUND-MOUNTED FRAME - PLAN

REFERENCE NOTES:

1. ONE AVI READER IS REQUIRED FOR EACH GANTRY MOUNTED ANTENNA AND HOUSED INSIDE AN AVI ENCLOSURE.
2. AVI ENCLOSURE, (PROVIDED BY TEC)
3. AVI ENCLOSURE MOUNTING PLATE, (PROVIDED BY TEC)
4. SECURE STRUT CHANNEL TO SUPPORT FRAME WITH MANUFACTURER APPROVED FASTENERS.
5. COPPER GROUND BUS BAR MOUNTED BELOW AVI READERS. BOLT DIRECTLY TO STRUT CHANNEL. BUS BAR MUST BE 1/4" THICK, 2" HIGH, AND LENGTH AS REQUIRED. SUPPORT GROUND BUS BAR AT EACH VERTICAL STRUT CHANNEL POST.
6. SEE STRUCTURE PLANS FOR GROUND-MOUNTED STRUT CHANNEL POST LAYOUT DIMENSIONS.
7. 4"C FOR AVI ROUTED TO AVI SECTION OF UPRIGHT CABLE TRAY.
8. AVI CABINET, (PROVIDED BY TEC)
9. STUB AND CAP 1" CONDUIT FOR AVI POWER TO TEC EQUIPMENT.



ELEVATION A-A



ELEVATION B-B

© JACOBS 2021. ALL RIGHTS RESERVED.

NO.	DSGN	DATE	DR	REVISION	CHK	APVD	BY	APVD

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

Jacobs

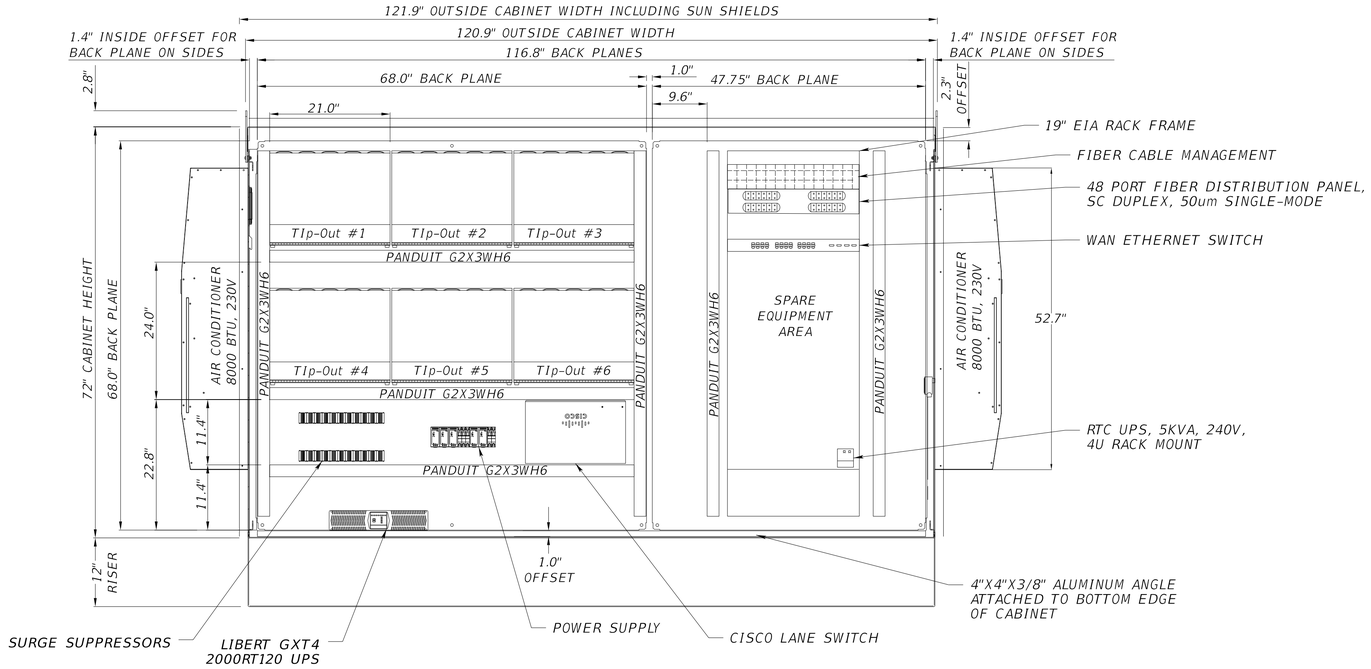
TOLL

AVI FRAME LAYOUT

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

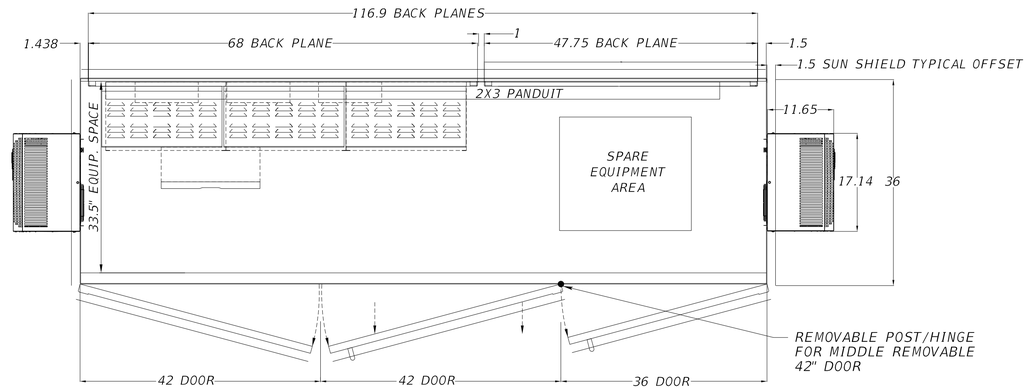
DATE	SEPT 2025
PROJ	D3971300
DWG	T-006
SHEET	42 of 79

100% DESIGN DOCUMENTS



CABINET - ELEVATION VIEW

NOT TO SCALE



CABINET - PLAN VIEW

NOT TO SCALE

© JACOBS 2021. ALL RIGHTS RESERVED.
THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
REUSE OF DOCUMENTS:

NO.	DATE	REVISION	DR	CHK	APVD	BY	APVD
DSGN							

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

TOLL

TOLL EQUIPMENT CABINET DETAILS

100% DESIGN DOCUMENTS

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

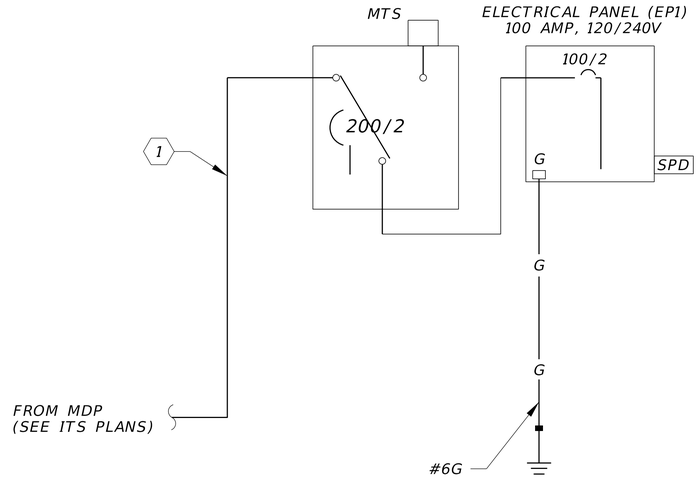
DATE	SEPT 2025
PROJ	D3971300
DWG	T-007
SHEET	43 of 79

PANELBOARD: EP1 — **SUPPLY VOLTAGE (P TO P):** 240
LOCATION: — **SUPPLY VOLTAGE (P TO N):** 120
MOUNTING: SURFACE / RACK — **BUS AMPS:** 100A

DESCRIPTION	VA A	VA B	BREAKER POLE	BREAKER AMPS	CKT. NO.	BUS A	BUS B	CKT. NO.	BREAKER POLE	BREAKER AMPS	VA A	VA B	DESCRIPTION
5KVA UPS - RTC	2520	--	2	30	1			2	2	20	1920	--	A/C #1 - RTC
	--	2520			3			4			--	1920	
AVI	1000	--	2	20	5			6	2	20	1920	--	A/C #2- RTC
	--	1000			7			8			--	1920	
SPD SEE NOTE 1	0	--	2	30	9			10	1	20	480	--	LTS/RCPT
	--	0			11			12			--	0	SPACE
SPACE	0	--			13			14			0	--	SPACE
SPACE	--	0			15			16			--	0	SPACE
SPACE	0	--			17			18			0	--	SPACE
SPACE	--	0			19			20			--	0	SPACE
SPARE	0	--			21			22			0	--	SPACE
SPACE	--	0			23			24			--	0	SPACE
TOTAL (1)	3520	3520							TOTAL (2)		4320	3840	

TOTAL PHASE A VA: 7840 — **CURRENT PHASE A:** 32.67 — **MAIN LUGS:** 70A
TOTAL PHASE B VA: 7360 — **CURRENT PHASE B:** 30.67 — **THROUGH-FEED LUGS:** N/A
TOTAL PANEL CURRENT: 63.33 — **MAIN BREAKER:** N/A
DESIGN KVA: 15.2 — **FEEDER ENTRANCE:** BOTTOM
FEEDER SIZE: #2
SOURCE: MDP
SHORT CIRCUIT RATING: 22KAIC

NOTES
1. SIZE BREAKER FOR SPD TYPE 2 MANUFACTURER'S INSTRUCTIONS



POWER RISER DIAGRAM
NOT TO SCALE

REFERENCE NOTES:

1. *3#2, 1#6G, 2"C*
2. *MANUAL TRANSFER SWITCH (MTS), PROVIDE CONNECTION BOX FOR FUTURE CONNECTION TO ROLLUP GENERATOR*

© JACOBS 2021. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

NO.	DATE	DR	CHK	APVD	BY	APVD
DSGN			REVISION			

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

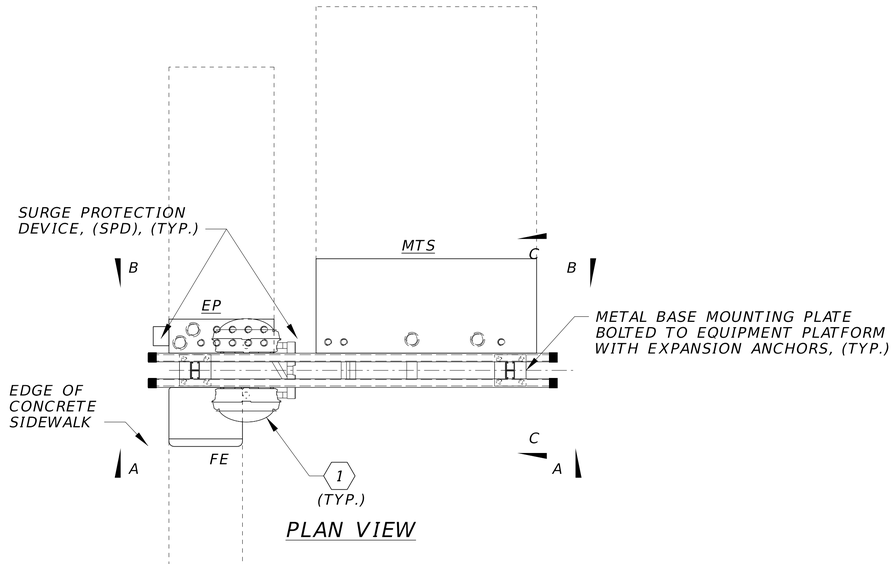
Jacobs

TOLL
POWER RISER DIAGRAM

100% DESIGN DOCUMENTS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1"

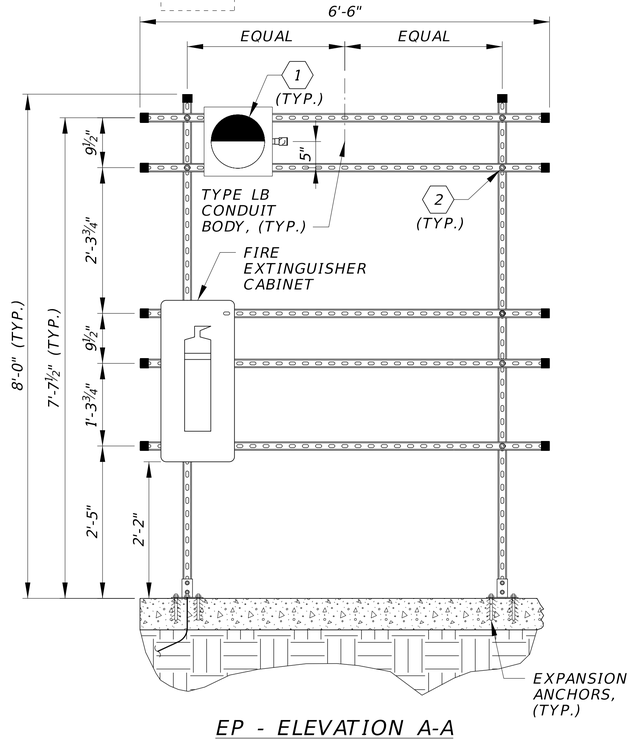
DATE	SEPT 2025
PROJ	D3971300
DWG	T-008
SHEET	44 of 79



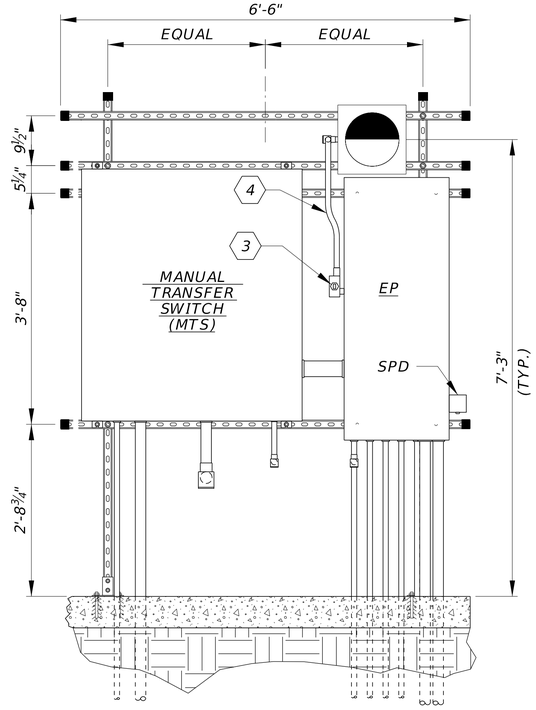
PLAN VIEW

REFERENCE NOTES:

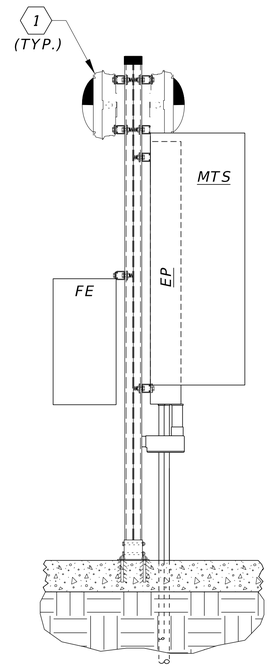
1. TYPE "B" FIXTURE WITH SURFACE ADAPTER (JUNCTION BOX) MOUNTED TO SS PLATE, (TYP.)
2. SECURE STRUT CHANNEL TO SUPPORT FRAME WITH MANUFACTURER APPROVED FASTENERS.
3. WEATHERPROOF LIGHTING OVERRIDE SWITCH
4. (2) #12 AWG AND (1) #12 AWG GND IN 3/4" CONDUIT.



EP - ELEVATION A-A



EP - ELEVATION B-B



EP - ELEVATION C-C

NO.	DATE	DR	REVISION	CHK	APVD	BY	APVD
DSGN							

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

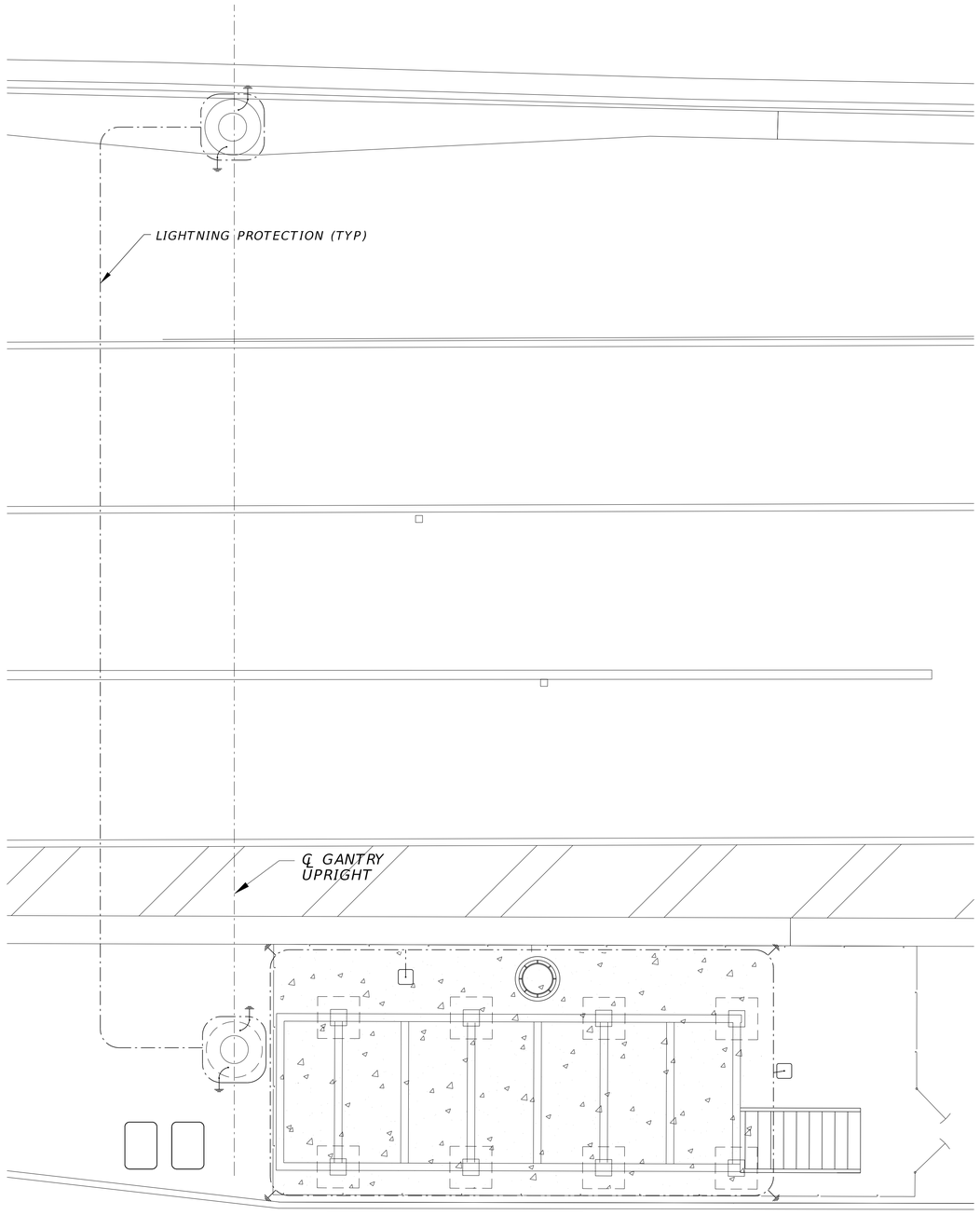
TOLL
POWER DISTRIBUTION DETAILS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

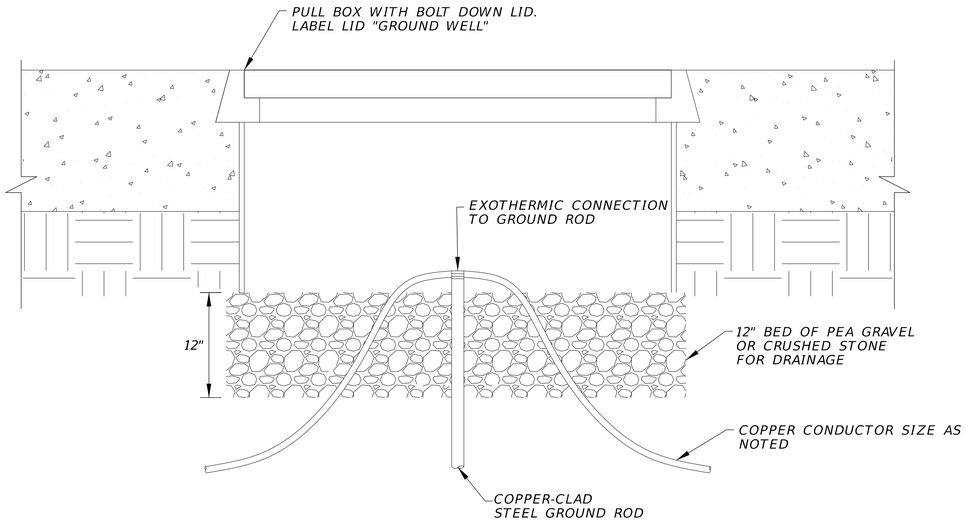
DATE	SEPT 2025
PROJ	D3971300
DWG	T-009
SHEET	45 of 79

100% DESIGN DOCUMENTS

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
© JACOBS 2021. ALL RIGHTS RESERVED.



2 LIGHTNING PROTECTION PLAN
SCALE: NTS



2 GROUND INSPECTION WELL DETAIL
SCALE: NTS

REFERENCE NOTES:

1. STRANDED COPPER LIGHTNING PROTECTION CONDUCTORS. BONDED TO GANTRY COLUMN.
2. 20' LONG X 5/8" DIAMETER COPPER CLAD STEEL GROUND ROD.
3. STRANDED COPPER CONDUCTOR, 36" BELOW FINISHED GRADE.

NO.	DATE	REVISION	DR	CHK	APVD	BY	APVD
DSGN							

© JACOBS 2021. ALL RIGHTS RESERVED.
THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
REUSE OF DOCUMENTS:

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

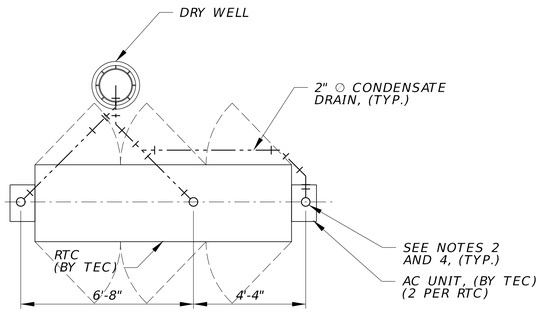
Jacobs

TOLL
GROUNDING & LIGHTNING PROTECTION DETAILS

100% DESIGN DOCUMENTS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

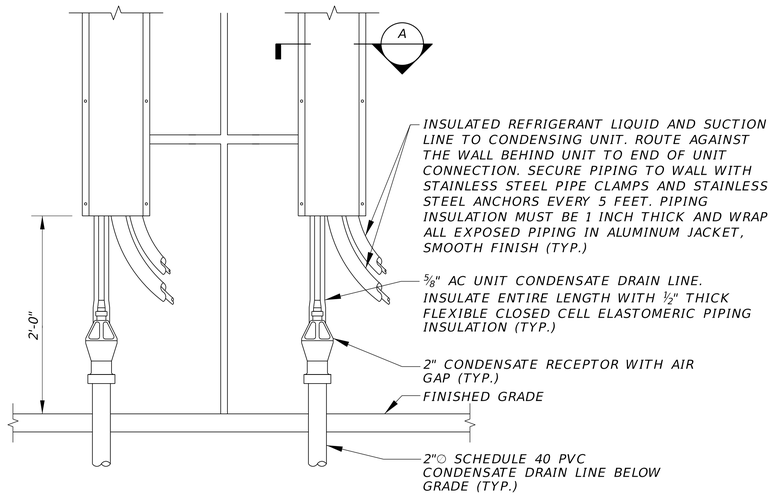
DATE	SEPT 2025
PROJ	D3971300
DWG	T-010
SHEET	46 of 79



CONDENSATE PIPING LAYOUT

REFERENCE NOTES:

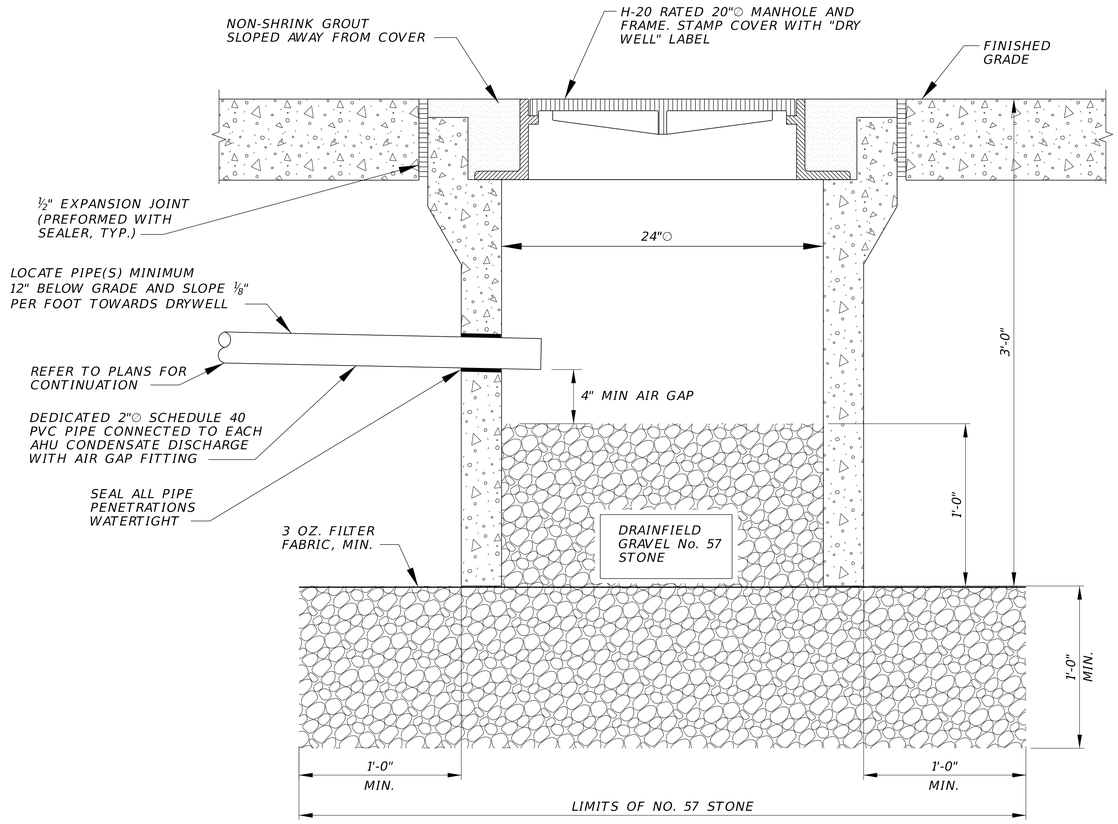
1. 2" DIAMETER SCHEDULE 40 PVC CONDENSATE DRAIN LINE ROUTED UNDERGROUND TO IN-GROUND CONDENSATE DRY WELL. MINIMUM DRAIN LINE SLOPE MUST BE 1/8" PER FOOT.
2. CONDENSATE DRAIN STUB-UP LOCATION, TYPICAL.
3. PROVIDE "TBD" DIMENSIONS BASED ON SPECIFIED EQUIPMENT.
4. INSTALL TOP OF CONDENSATE DRAIN STUB-UP FLUSH WITH TOP OF SLAB. PROVIDE REMOVABLE CAPS ON ALL UNUSED DRAIN STUB-UPS. CAPS MUST BE FLUSH WITH TOP OF SLAB.



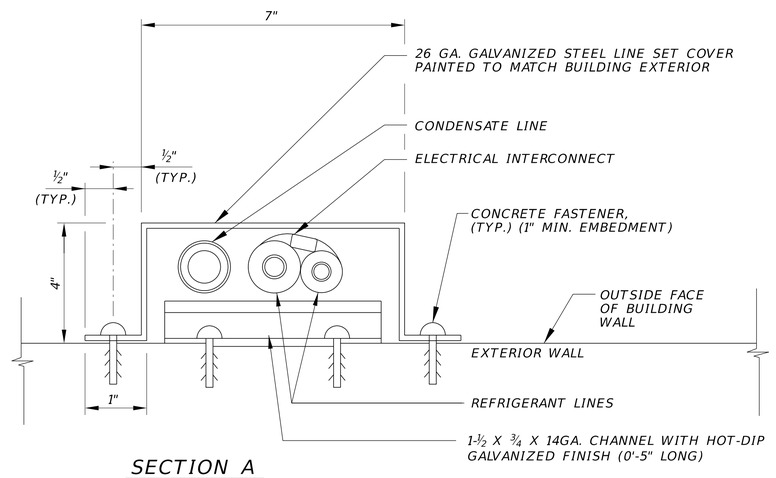
1 AC EQUIPMENT AND CONDENSATE PIPING DETAIL
SCALE: NTS

REFERENCE NOTES:

1. ALL HARDWARE MUST BE STAINLESS STEEL AND SUPPORT FRAME SHALL BE CONSTRUCTED OF STAINLESS STEEL. (BOLTS, NUTS, STRAPS, ANCHORS, SUPPORT FRAME, ETC.)
2. MOUNT BOTTOM OF CONDENSING UNIT FRAME AT A MINIMUM OF 6" A.F.G.
3. COORDINATE FINAL LENGTHS OF ALL SUPPORT FRAME COMPONENTS WITH FINAL DIMENSIONS OF MECHANICAL EQUIPMENT.



2 CONDENSATE DRYWELL DETAIL
SCALE: NTS



SECTION A
SCALE: NTS

NO.	DATE	DSGN	REVISION	DR	CHK	APVD	BY	APVD

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
REUSE OF DOCUMENTS:
© JACOBS 2021. ALL RIGHTS RESERVED.

100% DESIGN DOCUMENTS

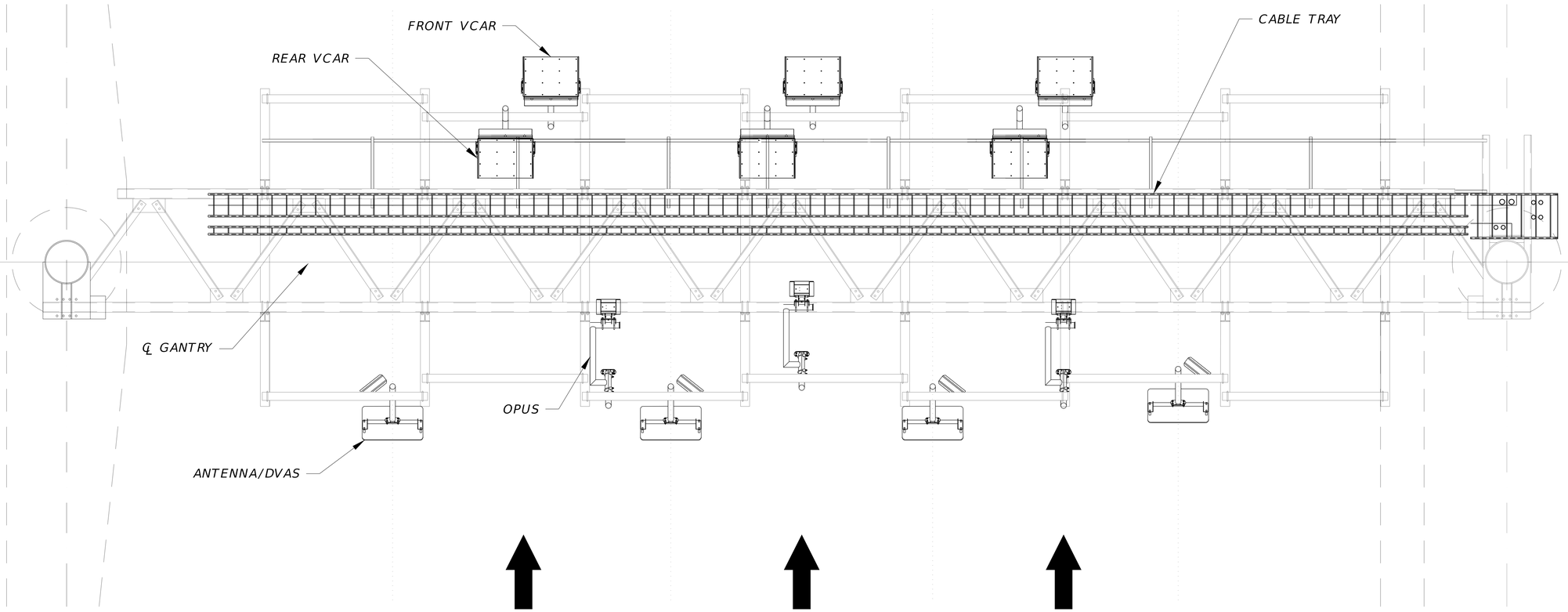
Jacobs

TOLL

DRY WELL & AC CONDENSATE PIPING DETAILS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	T-011
SHEET	47 of 79



NO.	DATE	REVISION	DR	CHK	APVD	BY	APVD
DSGN							

© JACOBS 2021. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

TOLL

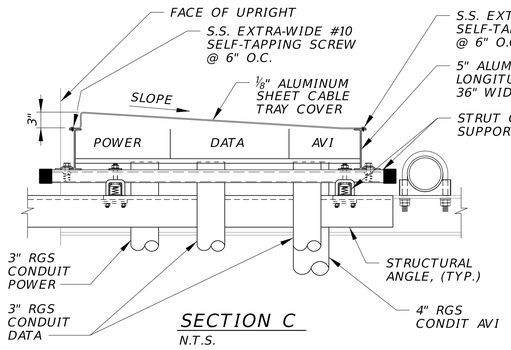
GANTRY ELECTRICAL PLAN

100% DESIGN DOCUMENTS

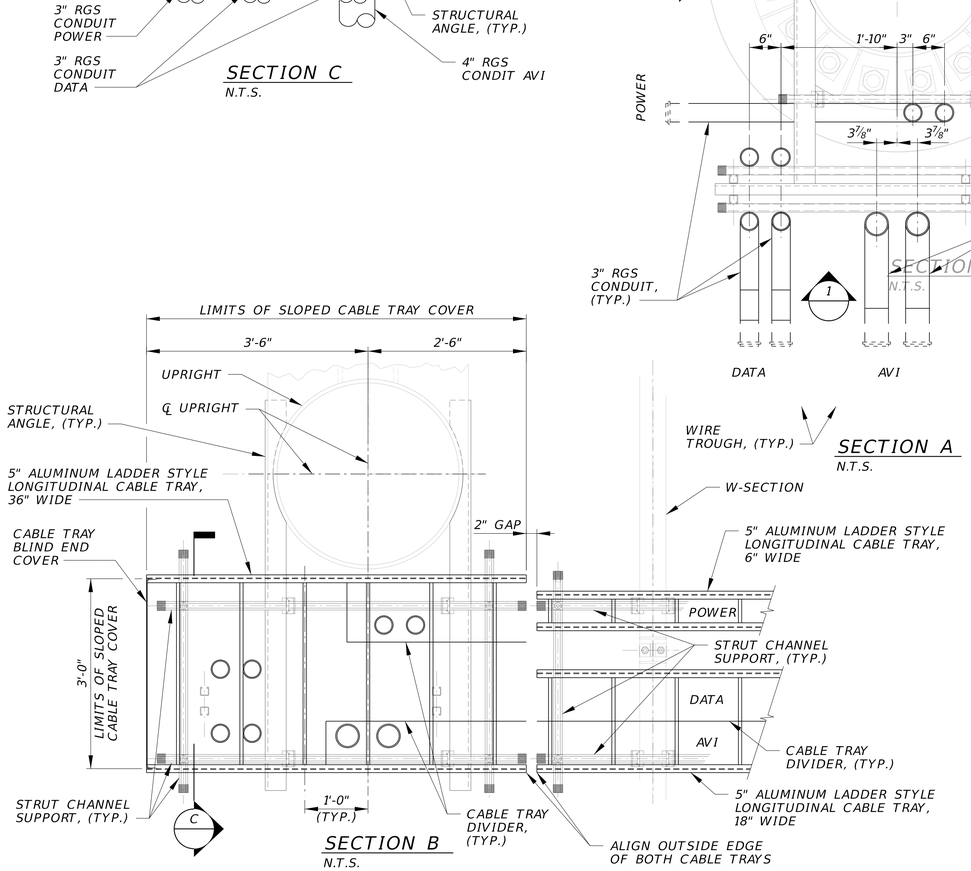
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	T-012
SHEET	48 of 79

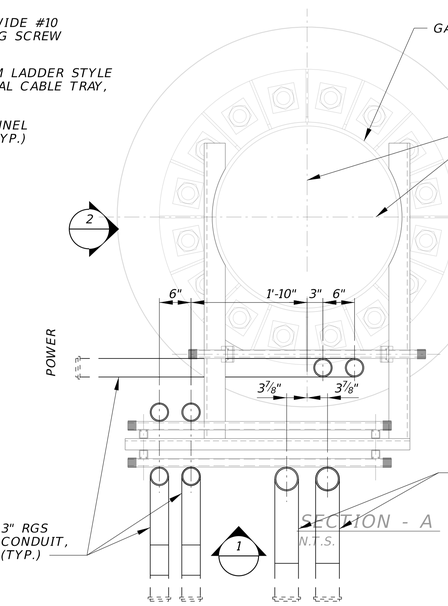
$PWURL $PWPATH FILENAME: ANSI_D.dgn SSDTTP02.dgn PLOT DATE: $PLOTDATE PLOT TIME: $PLOTTIME



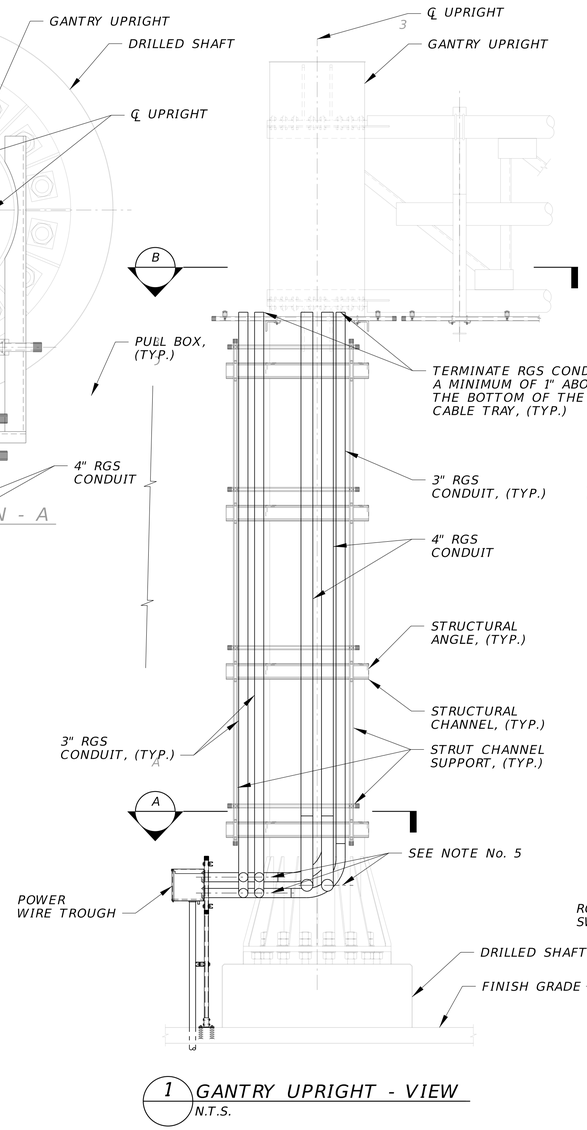
SECTION C
N.T.S.



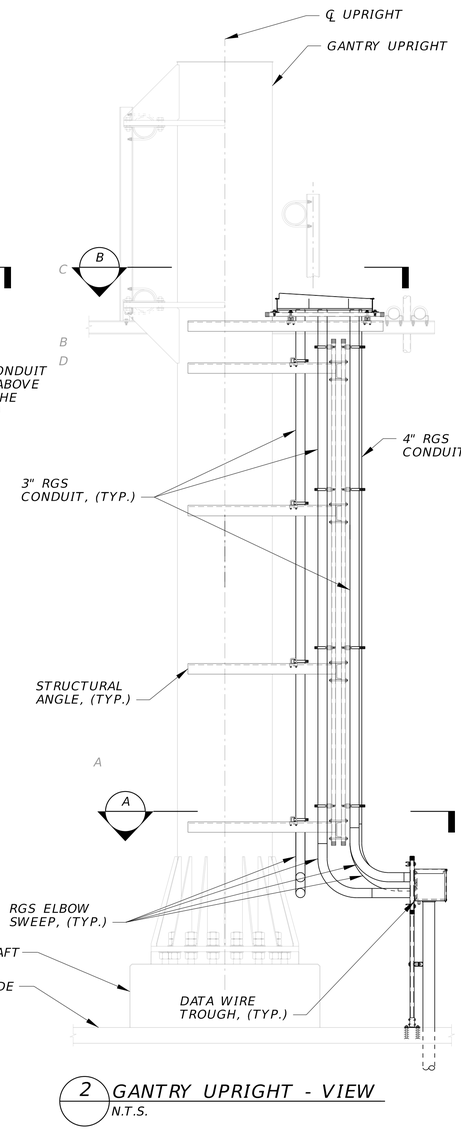
SECTION B
N.T.S.



SECTION - A
N.T.S.



1 GANTRY UPRIGHT - VIEW
N.T.S.



2 GANTRY UPRIGHT - VIEW
N.T.S.

© JACOBS 2021. ALL RIGHTS RESERVED.
THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
REUSE OF DOCUMENTS:

NO.	DATE	REVISION	BY	APVD
DSGN		DR	CHK	APVD

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

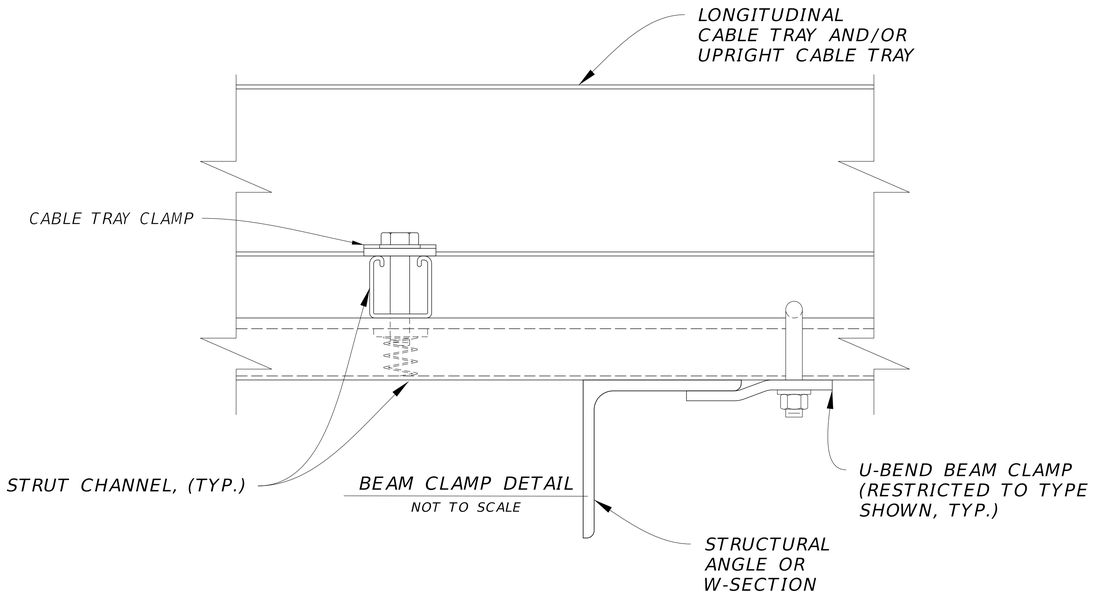
TOLL

GANTRY CONDUIT PLANS

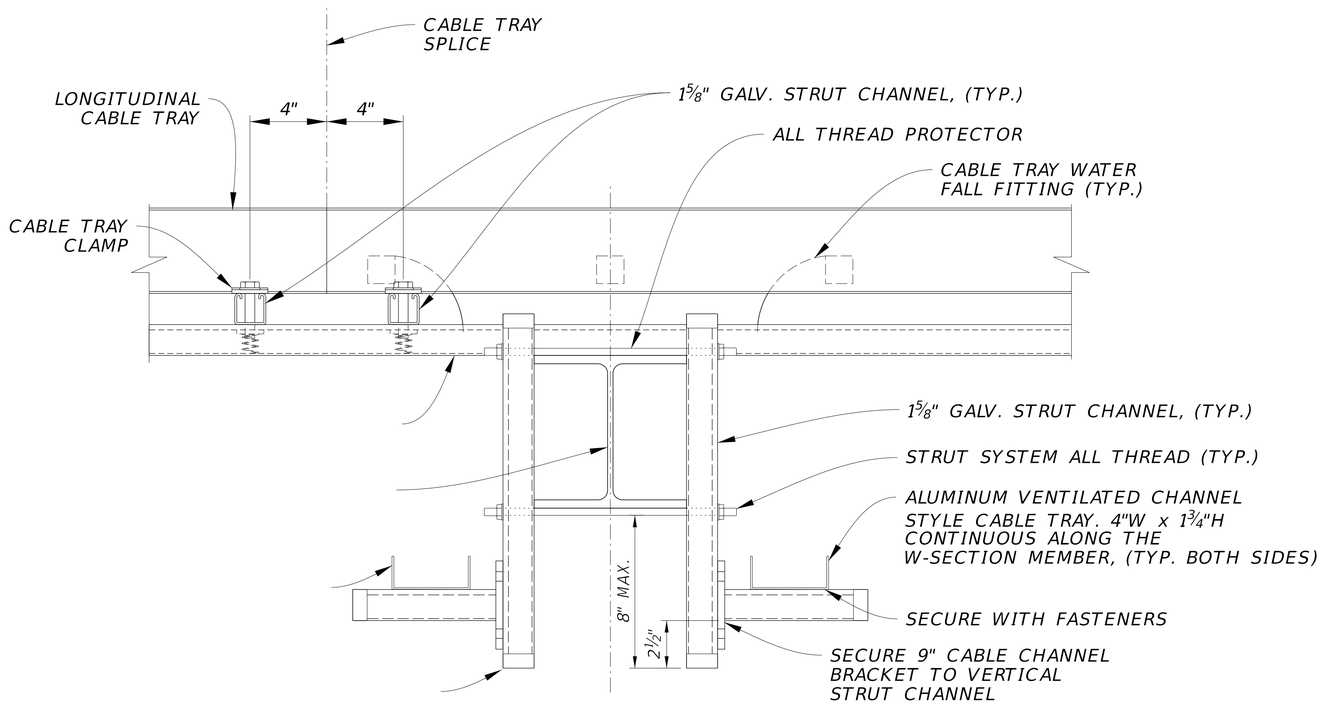
100% DESIGN DOCUMENTS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	T-013
SHEET	49 of 79



DETAIL AT UPRIGHT
NOT TO SCALE



DETAIL AT W-SECTION
NOT TO SCALE

NO.	DATE	REVISION	DR	CHK	APVD	BY	APVD
DSGN							

© JACOBS 2021. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENT'S)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

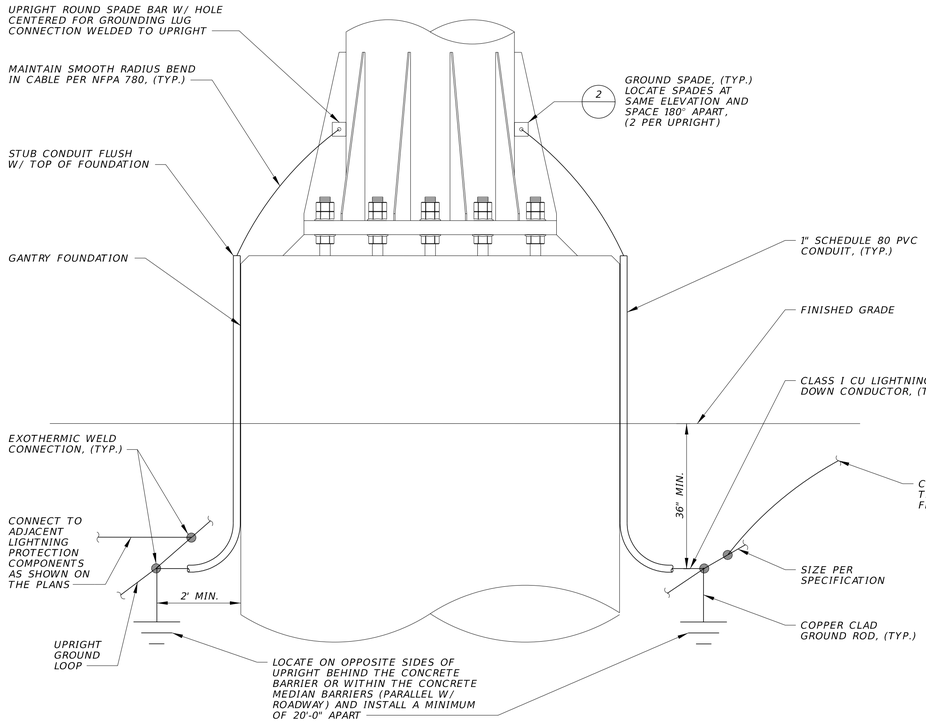
Jacobs

TOLL
TOLL EQUIPMENT
CABLE TRAY DETAILS

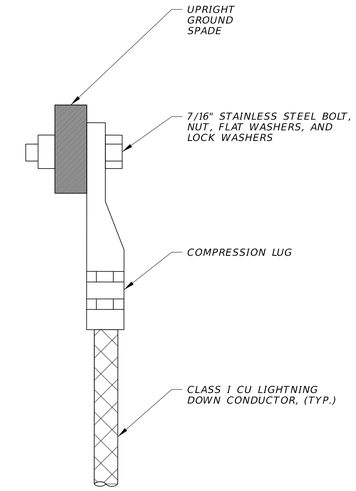
100% DESIGN DOCUMENTS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	T-014
SHEET	50 of 79



1 TYPICAL GANTRY UPRIGHT LIGHTNING PROTECTION DETAIL
NTS



2 GANTRY UPRIGHT GROUND SPADE CONNECTION DETAIL
NTS

NO.	DATE	DSGN	REVISION	DR	CHK	APVD	BY	APVD

© JACOBS 2021. ALL RIGHTS RESERVED.
THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
REUSE OF DOCUMENTS:

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

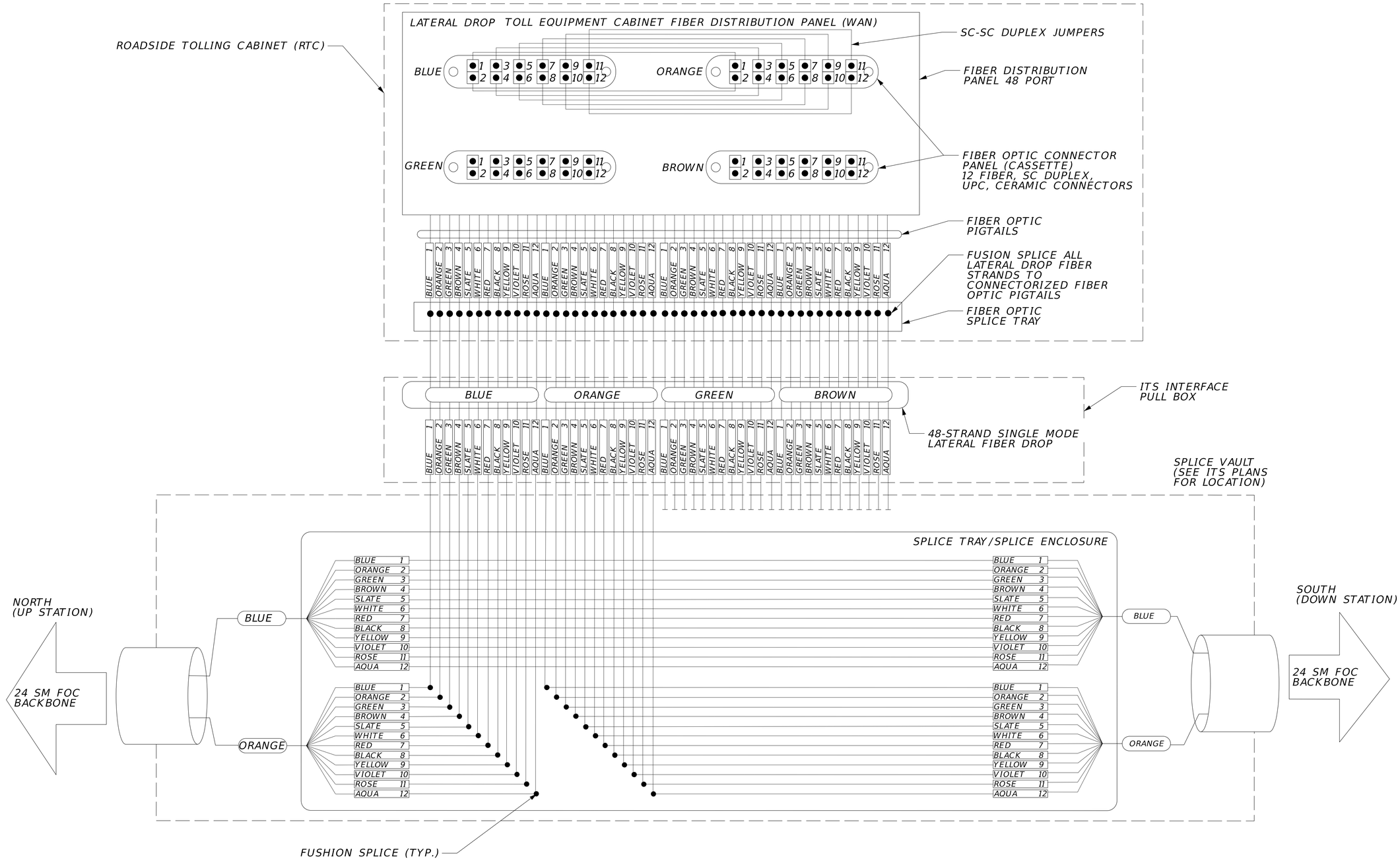
Jacobs

TOLL
GANTRY LIGHTNING PROTECTION DETAILS

100% DESIGN DOCUMENTS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	T-015
SHEET	51 of 79



FIBER SPLICING DIAGRAM

NOT TO SCALE

NO.	DATE	REVISION	DR	CHK	APVD	BY	APVD
DSGN							

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

TOLL

FIBER SLICING DIAGRAM

VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	T-016
SHEET	52 of 79

100% DESIGN DOCUMENTS

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

© JACOBS 2021. ALL RIGHTS RESERVED.

GENERAL
1. Specifications and requirements listed below are fully incorporated and are intended to be applicable to the Work unless specifically noted otherwise within these documents. Provide written notification to EOR should any discrepancies arise and/or for any additional information or clarification that may be required.

CONSTRUCTION SPECIFICATIONS:
1. Florida Department of Transportation Standard Specifications for Road and Bridge Construction, 2025–26 Edition and supplements thereto.

DESIGN SPECIFICATIONS:
1. American Association of State Highway and Transportation Officials (AASHTO), "LRFD Bridge Design (LRFDBDS–10, 10th Edition, 2024) Specifications for Highway.
2. American Association of State Highway and Transportation Officials (AASHTO), "LRFD Specifications for Structural Supports for Highway Signs, Luminaries and Traffic Signals" (LRFDLTS–1, 1st Edition).
3. The Aluminum Association Design Manual Specifications and Guidelines for Aluminum Structures (2010 Edition).
4. FDOT Design Manual (January 2025 Edition).
5. AISC Manual of Steel Construction (Fifteenth Edition).
6. FDOT Structures Manual, January 2025.
7. FDOT Standard Plans, Dated FY 2025–26.
8. Florida Turnpike Enterprise General Tolling Requirements (GTR), 2023 Edition.

DESIGN LOADINGS:
1. Dead Loads:
   - Structural steel = 490 PCF
   - Aluminum = 175 PCF
   - Concrete = 150 PCF
   - Toll equipment: Concentrated load of 67 lbs. at each equipment location
   - Electrical/data cable trays & Miscellaneous: Uniform load of 50 plf along the front two chords and 100 plf along the back chord.
2. Wind Loads:
   - AASHTO "LRFD Specifications for Structural Supports for Highway Signs, Luminaries and Traffic Signals", Wind Speed (3–second gust) = 173 mph (1700–year Mean Recurrence Level).
   - Fixed Signs and Support = (1) Future 10' x 12' Sign centered over combined travel lanes in each direction.

TOLLING INFRASTRUCTURE CRITERIA:
1. Limit the natural frequency of any element that supports the equipment to less than 500 Hz. Equipment is defined as any electronic device that is mounted to the gantry.
2. Limit displacements when the structure is subjected to a wind load of 30 mph such that the averaged effect on the highest and lowest superstructure chords shall be within the following two limits.
   - Movement of any point along the chords shall not exceed 1.25" relative to the position of any other point along the chords
   - Rotational orientation of any point along the chords shall not exceed 8 milliradians (0.47 degrees) relative to the rotational orientation of that point at rest, for all three rotational axes.

ALUMINUM:
1. All aluminum materials shall meet the requirements of the Aluminum Association's Alloy 6061–T6 for tubes, and also the following ASTM Specifications (unless otherwise noted):
   - Sheets = 5052
   - Plates = B209
   - Extruded Tube, Bar, Rod and Shapes = B221
   - Structural Shapes = B308
2. Welding Rods shall meet the requirements of Aluminum Association Alloy No. 5556 Filler Wire.
3. The proportioning of weld details and the operation of welding shall be in accordance with the Current Edition of the AWS Structural Welding Code D1.2–Aluminum.

REINFORCING STEEL:
1. All Reinforcing Steel shall be ASTM A615, Grade 60.
2. All dimensions pertaining to location of reinforcing steel are to centerline of bars except where clear dimension is noted to face of concrete.
3. Reinforcing Steel detail dimensions are out–to–out of bars.
4. Cover on Reinforcing Steel as follows, unless noted otherwise:
   - Substructure 3 in. External Formed Surfaces
   - Substructure 4 in. External Surfaces Cast Against Earth
   - Substructure 6 in. Drilled Shafts
5. Concrete cover shown in the plans does not include reinforcement placement and fabrication tolerances unless shown as "minimum cover". See FDOT Standard Specifications for Allowable Reinforcement Placement Tolerances.

CONCRETE:
1. Concrete (unless noted otherwise):

FDOT Concrete Class	Minimum 28–Day Compressive Strength (PSI)	Location
II	F'c = 3,400	Concrete In–Fill
IV	F'c = 4,000	Drilled Shafts & Median Barrier

2. Provide 3/4" chamfers on all exposed edges, unless noted otherwise.
3. Construction joints will be permitted only at locations indicated on plans. Additional construction joints or alterations to those shown shall require written approval of the engineer.

DIMENSIONS AND ELEVATIONS:
1. All dimensions are measured horizontally and vertically unless noted otherwise.
4. All dimensions are measured at mean temperature of 70° F.
3. Elevations are in feet, and are based on the North American Vertical Datum (NAVD) of 1988.

STRUCTURAL STEEL:
1. Shop fabrication, assembly, handling, and shipping:
   a. Do not begin fabrication before receiving shop drawing approval.
   b. Welding: Conform to American Welding Society Structural Welding Code (Steel) ANSI/AWS D1.1 (current edition)
   c. Shop assemble the entire structure after galvanizing and prior to shipment.
   d. If necessary, disassemble and secure components for shipment.
2. Gantry structure materials:
   a. Uprights and chords (steel pipe): API–5L–X42 (42 ksi yield) or ASTM A500, Grade C
   b. Steel angles: ASTM A709, Grade 50
   c. Steel plates: ASTM A709, Grade 36
   d. Weld metal: E70XX
   e. Bolts: ASTM F3125, Grade A325 Type 1, (install per specification section 700) with single self–locking nuts.
   f. Anchor bolts: ASTM F1554, Grade 55 with ASTM A563 grade A heavy–hex double nuts.
   g. Install all nuts per manufacturer's instructions.
   h. Bolt hole diameters: equal to the bolt diameter plus 1/16".
   i. Anchor bolt hole diameters: equal to the bolt diameter plus 1/2".
   j. Use of split lock washers is not permitted.
3. Galvanization
   a. Toll gantry and cabinet support structures within the Project Limits shall be galvanized per the Design Standards. Structural steel framing for the gantry, platform, platform & access stair guard rails, and associated connections, shall be coated with a high–performance industrial coating system with a minimum 10.0 mil total Dry Film Thickness (DFT), consisting of a 4.0–6.0 mil DFT primer coat of high build Polyamide Epoxy followed by (1) intermediate coat of 4.0–6.0 mil DFT with high build Polyamide Epoxy followed by (1) finish coat 2.0–3.0 mil DFT with high–solids Thermoset Fluoroploymer Polyurethane coating. Color to be as determined by Escambia County from manufacturer's full range of standard colors. Galvanized steel surfaces to be painted shall be prepared per SSPC–SP 1 (Solvent Cleaning) followed by SSPC–SP 16 (Brush Off Blast Cleaning) in accordance with coating manufacturer's recommendations. Any areas cleaned to bare metal, or where corrosion is present, shall be cleaned per SSPC–SP 10 (Near White Blast Cleaning) with all edges feathered, Galvanized surface profile shall be 1.5 mils. Areas cleaned to bare metal shall be coated with spot primer coat of Organic Zinc–Rich Urethane Primer with a minimum 2.5–3.5 mil DFT prior to application of coating system listed above.
   b. Nuts, bolts, and washers: ASTM F2329
   c. Other steel items: ASTM A123
4. Prior to erection, record the as–built anchor locations and provide to the engineer.
5. Provide a parabolic camber with the maximum upward deflection as shown on the camber diagram.
6. Location chord splices a minimum three truss panel lengths apart. Upright and Column splices are not allowed.
7. Refer to FDOT standard index 11320 for additional span gantry structure details.
8. U–bolt material shall be as noted in the plans.

UTILITIES:
1. The utilities shown in the plans are at approximate locations. For additional information, refer to the roadway utilities plans.
2. Field verify utility locations before commencing with construction.
3. Ensure that any existing utilities that are not to be relocated are not endangered or disturbed during construction. Ensure all active utilities are properly maintained within the construction limits.

NO.	DATE	DSGN	DR	CHK	APVD	BY	APVD
		T. BRAXMEIER	J. WINKELMANN			B. ROWAN	

REVISION

©JACOBS 2024. ALL RIGHTS RESERVED.

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

Jacobs

STRUCTURAL
GANTRY
GENERAL NOTES (1 OF 2)

100% DESIGN DOCUMENTS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	S-001
SHEET	53 of 79

STAINLESS STEEL:

1. *Sheets shall conform to ASTM A555, type 316. Plates shall conform to ASTM A240, type 304L. U-bolts shall be type 316. Structural shapes shall conform to ASTM A276, type 316L.*
2. *The proportioning of weld details and the operation of welding shall be in accordance with the current edition of the AWS Structural Welding Code D1.6 – Stainless Steel.*

SHOP DRAWINGS:

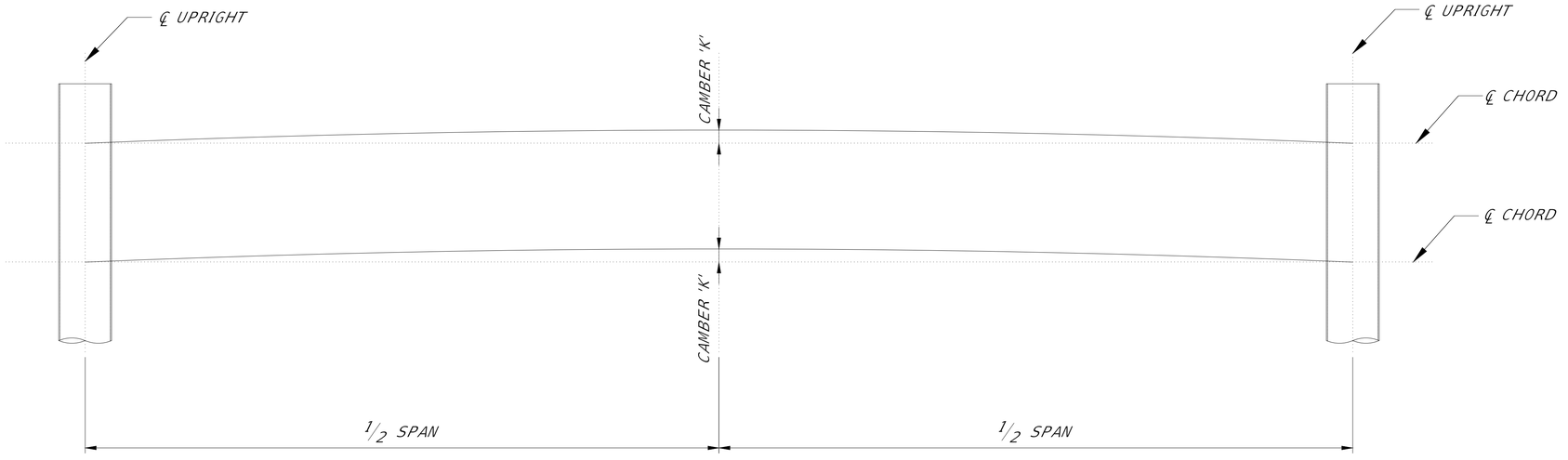
1. *Submit shop drawings for all work. Include:*
   - *Field verification of all upright heights*
   - *All foundation elevations and the highest and lowest final pavement elevations of the gantry necessary to ensure minimum vertical clearance*
   - *Anchor bolt orientation with respect to centerline of truss and the direction of traffic*
   - *Equipment support elements*
   - *The method used to provide the required parabolic camber*
   - *Layout of the tolling equipment, field splices, W5x16 framing members, HSS 4.5" Ø pipe, and any other electrical equipment or structural member that could be in conflict with the toll equipment installation and operations.*
2. *Shop drawings shall be submitted showing the structural steel assembly and erection scheme.*
3. *Contractor shall submit the proposed erection procedures and details to the engineer for review and approval.*

FABRICATION:

1. *Fabrication shall not begin before shop drawing approval.*
2. *No field welding shall be permitted.*
3. *No shop welding splices of main chords or uprights shall be permitted.*
4. *Welding: Conform to American Welding Society Structural Welding Code (Steel) ANSI/AWS D1.1 (current edition).*
5. *The structure shall be shop assembled and inspected by the Department prior to shipping. Shop assembly shall occur after galvanization.*
6. *If necessary, disassemble and secure components for shipment.*

LIST OF FREQUENTLY USED ABBREVIATIONS:
(For additional abbreviations refer to design standards index No. 001)

ASD	*ALLOWABLE STRESS DESIGN*
B.O.	*BOTTOM OF*
C.B.W.	*CONCRETE BARRIER WALL*
CJ	*CONTROL JOINT*
EB	*EASTBOUND*
EF	*EACE FACE*
EOL	*EDGE OF LANE*
ES	*EACH SIDE*
EW	*END WALL*
FB	*FIELD BEND*
FF	*FAR FACE*
GDR	*GIRDER*
HORIZ.	*HORIZONTAL*
IF	*INSIDE FACE*
LME	*LOW MEMBER ELEVATION*
LVC	*LENGTH OF VERTICAL CURVE*
MHC	*MINIMUM HORIZONTAL DISTANCE*
MVC	*MINIMUM VERTICAL CLEARANCE*
NF	*NEAR FACE*
OF	*OUTSIDE FACE*
OFM	*OWNER FURNISHED MATERIAL*
PMVC	*POINT OF ACTUAL MINIMUM VERTICAL CLEARANCE*
SBL	*SLOPE BREAK LINE*
SDG	*STRUCTURES DESIGN GUIDELINES*
SHLD	*SHOULDER*
SS	*STAINLESS STEEL*
TEC	*TOLLING EQUIPMENT CONTRACTOR*
T.O.	*TOP OF*
UNO	*UNLESS NOTED OTHERWISE*
VERT.	*VERTICAL*
VES	*VIOLATION ENFORCEMENT SYSTEM*
VSS	*VIDEO SURVEILLANCE SYSTEM*
WL	*WORK LINE*
WP	*WORK POINT*



CAMBER DIAGRAM

CAMBER NOTES:

1. *CAMBER DIMENSION IS MEASURED TO THE HORIZONTAL ℄ OF THE CHORDS.*
2. *SEE S-600 FOR 'K' VALUE.*
3. *BACK CHORD NOT SHOWN FOR CLARITY.*

NO.	DATE	REVISION	BY	APV'D
DSGN	T. BRAXMEIER	DR	J. WINKELMANN	CHK	B. ROWAN	APV'D

©JACOBS 2024. ALL RIGHTS RESERVED.

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

STRUCTURAL
GANTRY
GENERAL NOTES (2 OF 2)

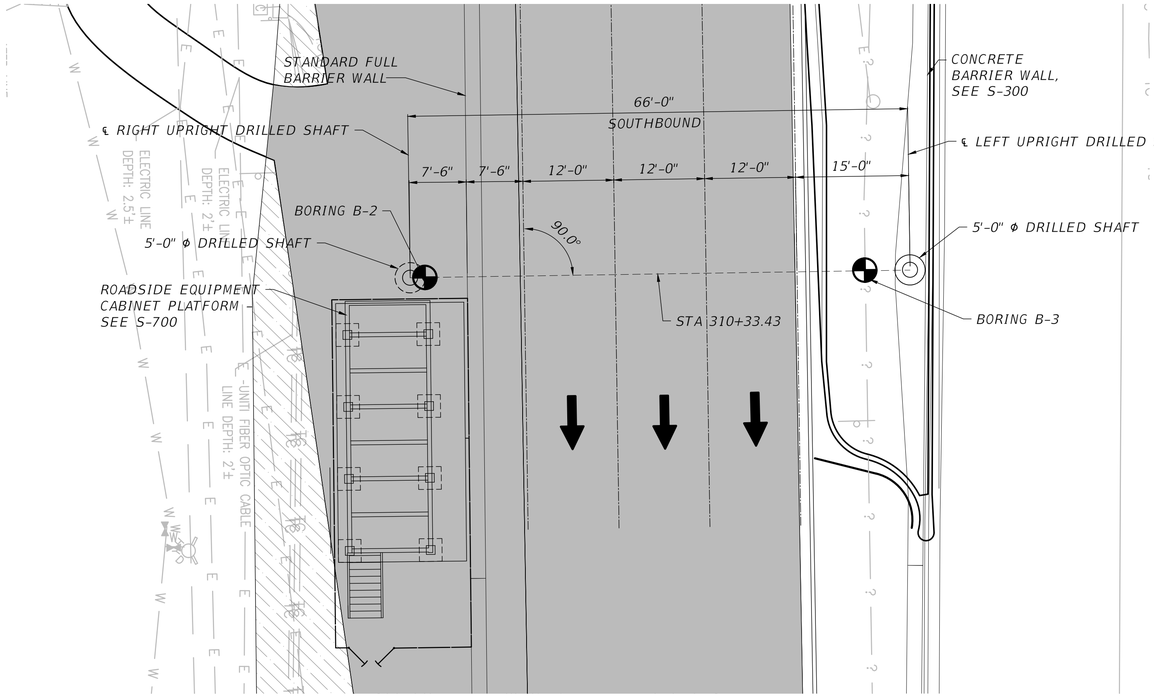
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

100% DESIGN DOCUMENTS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1

DATE	SEPT 2025
PROJ	D3971300
DWG	S-002
SHEET	54 of 79

NOTES:
1. WORK THIS SHEET WITH FDOT DESIGN STANDARD INDEX 11320. SEE S-600 FOR SPAN STRUCTURE TOLLING EQUIPMENT DATA TABLE.
2. LEFT AND RIGHT UPRIGHT DETERMINED WHEN FACING THE DIRECTION OF TRAVEL.
3. SEE CIVIL DRAWINGS FOR HORIZONTAL CURVE DATA.





Direction of Stationing

DRILLED SHAFT INSTALLATION NOTES:
1. DRILLED SHAFTS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 455 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
2. FOR ADDITIONAL NOTES, SEE SHEET S-001 "STRUCTURAL GENERAL NOTES."
3. THE DRILLED SHAFTS SHALL BE INSTALLED TO MEET THE CRITERIA SET FORTH IN THE DRILLED SHAFT DATA TABLE.
4. DRILLED SHAFTS SHALL BE INSTALLED USING A TEMPORARY CASING EXTENDING TO THE DRILLED SHAFT TIP ELEVATION.
5. THE MINIMUM TIP ELEVATIONS SHOWN REPRESENT THE HIGHEST TIP ELEVATION NECESSARY TO SATISFY LATERAL STABILITY LOADING REQUIREMENTS. ANY REVISIONS MADE TO THE TIP ELEVATIONS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD, AND CONCURRED WITH BY THE DEPARTMENT.
6. FOR ANCHOR BOLT SIZE AND PATTERN, SEE "SPAN STRUCTURE TOLLING EQUIPMENT DATA TABLE" ON DRAWING S-600.
7. IF VERTICAL SHAFT REINFORCEMENT IS REQUIRED TO BE SPLICED, REINFORCEMENT SHALL BE SPLICED BY MECHANICAL COUPLERS CAPABLE OF DEVELOPING 125% YIELD STRENGTH OF THE BARS BEING SPLICED. IF COUPLERS ARE REQUIRED, A 6" MINIMUM COVER SHALL BE MAINTAINED WITHIN THE LENGTH OF THE COUPLER. COUPLERS SHALL BE STAGGERED 2'-0" BETWEEN VERTICAL BARS. PROPOSED COUPLERS SHALL BE SUBMITTED FOR APPROVAL BY THE ENGINEER. NO SPLICES WILL BE ALLOWED IN THE TOP 20 FEET OF THE SHAFTS.
8. CONTRACTORS SPECIALTY ENGINEER SHALL PERFORM CROSS-HOLE SONIC LOGGING (CSL) TESTS AT EVERY DRILLED SHAFT AND THE RESULTS SHALL BE INCLUDED IN THE FOUNDATION CERTIFICATION PACKAGES.
9. VERIFY CSL ACCESS TUBES WILL NOT INTERFERE WITH ANCHOR BOLT INSTALLATION BEFORE EXCAVATING THE SHAFT. WHEN CSL ACCESS TUBE LOCATIONS CONFLICT WITH ANCHOR BOLT LOCATIONS, MOVE THE CSL ACCESS TUBE LOCATION +/- TWO INCHES ALONG THE INNER CIRCUMFERENCE OF THE REINFORCING CAGE. NOTIFY THE ENGINEER BEFORE EXCAVATING THE SHAFT IF THE CSL ACCESS TUBE LOCATIONS CANNOT BE MOVED OUT OF CONFLICT WITH ANCHOR BOLT LOCATIONS.
10. THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UTILITIES AND NOTIFY ALL INVOLVED UTILITY COMPANIES 48 HOURS PRIOR TO EXCAVATION, SHAFT DRILLING OR CONSTRUCTION AND SHALL BE RESPONSIBLE FOR MAKING ITS OWN DETERMINATION TO AVOID DAMAGE. ANY REQUIRED RELOCATION OF EXISTING UTILITIES SHALL BE DONE BY OTHERS. THE CONTRACTOR SHALL ENSURE THAT ACTIVE UTILITIES ARE PROPERLY MAINTAINED DURING CONSTRUCTION.

DRILLED SHAFT DATA TABLE

GANTRY	LOCATION	TOP OF C.B.W. ELEVATION*	TOP OF SHAFT ELEVATION	MINIMUM TIP ELEVATION
		FT	FT	FT
SOUTHBOUND	LEFT UPRIGHT	11.59	4.92	-10.11
	RIGHT UPRIGHT	-	8.07	-10.93

* TOP OF CONCRETE BARRIER WALL, COORDINATE WITH S-300

SYMBOL LEGEND:

DRILLED SHAFT

SPT BORING

NO.	DATE	REVISION	BY	APVD
DSGN	T. BRAXMEIER	DR J. WINKELMANN CHK B. ROWAN	APVD	

© JACOBS 2024. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

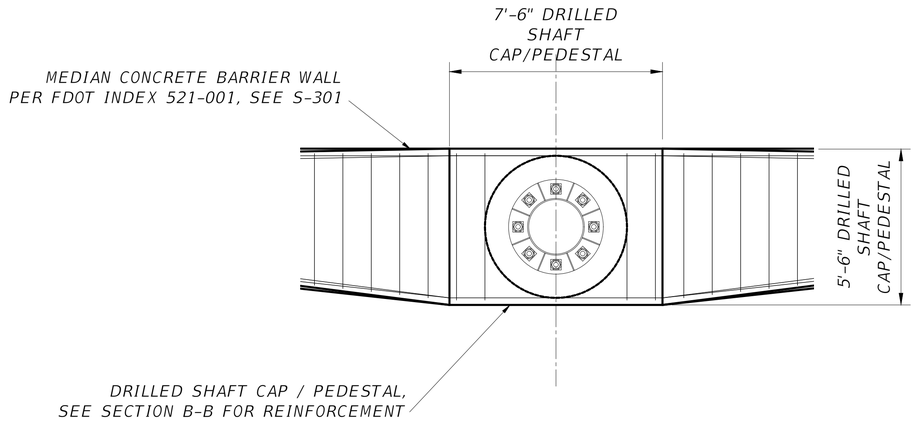
STRUCTURAL
GANTRY SITE FOUNDATION LAYOUT

100% DESIGN DOCUMENTS

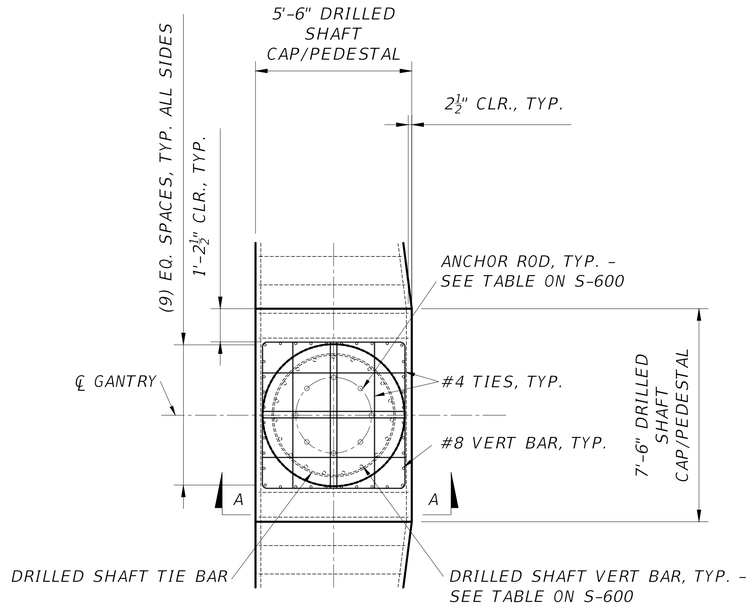
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	S-100
SHEET	55 of 79

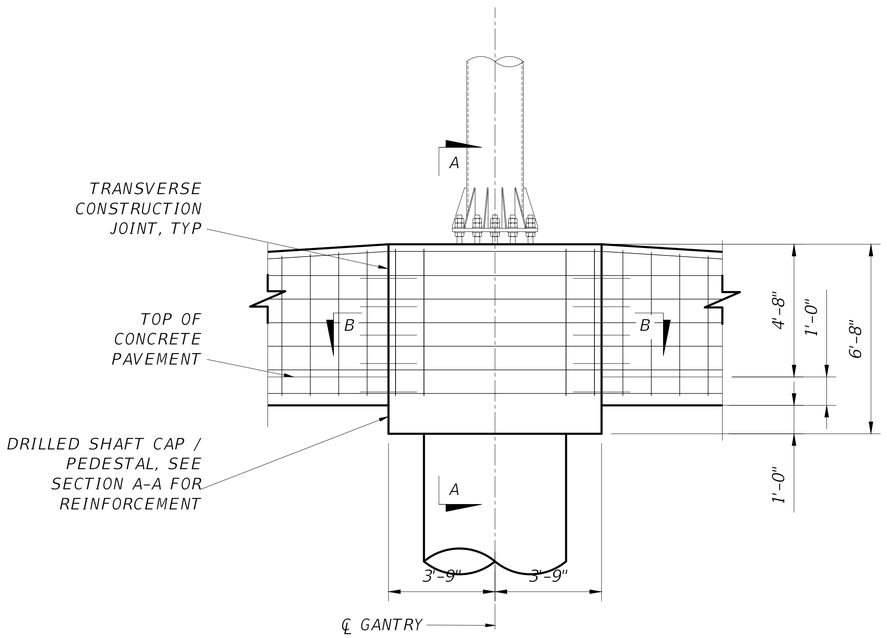
NOTES:
1. WORK THIS SHEET WITH FDOT DESIGN STANDARD INDEX 521-001 & 11320. SEE S-600 FOR SPAN STRUCTURE TOLLING EQUIPMENT DATA TABLE.
2. WIDTH IN SECTIONS A-A, B-B, AND C-C SHALL BE HELD CONSTANT.
3. SEE STANDARD INDEX 410, DETAIL B FOR INFORMATION ON DOWELED TRANSVERSE CONSTRUCTION JOINT.
4. THE CONTRACTOR SHALL UTILIZE CLASS IV (DRILLED SHAFT) CONCRETE FOR CONSTRUCTION OF THE DRILLED SHAFT CAP AND CONCRETE BARRIER WALL.
5. REINFORCING STEEL SHALL MEET THE REQUIREMENTS OF ASTM A615, GRADE 60.
6. THE TOP SURFACE OF THE DRILLED SHAFT SHALL BE INTENTIONALLY ROUGHED TO A ¼" MINIMUM AMPLITUDE.



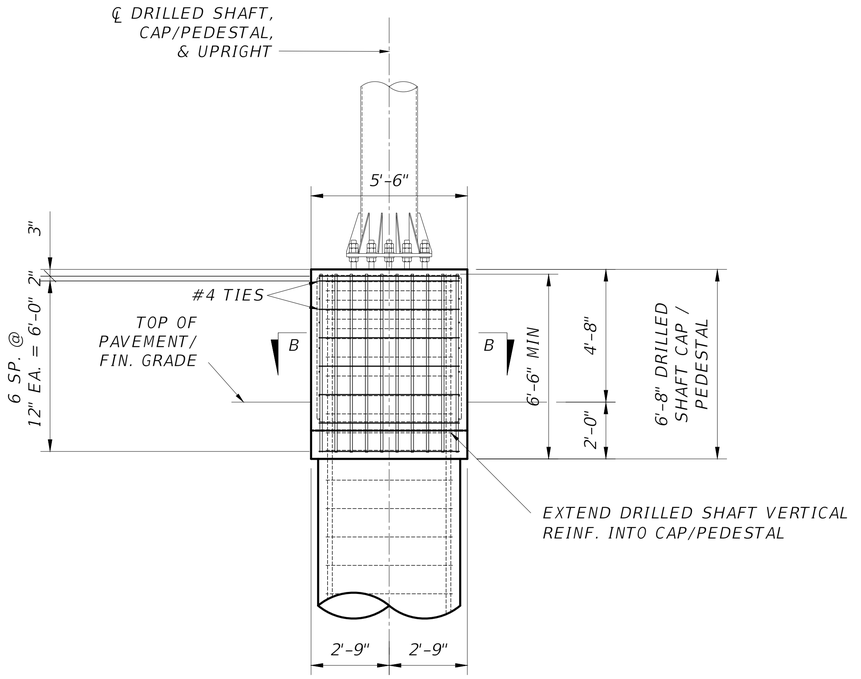
UPRIGHT DRILLED SHAFT CAP / PEDESTAL - PLAN



UPRIGHT DRILLED SHAFT CAP / PEDESTAL REINFORCEMENT PLAN - SECTION B-B



UPRIGHT DRILLED SHAFT CAP / PEDESTAL - SECTION



UPRIGHT DRILLED SHAFT CAP / PEDESTAL - SECTION A-A

NO.	DATE	REVISION	BY
DSGN	T. BRAXMEIER	DR J. WINKELMANN CHK B. ROWAN	APVD

© JACOBS 2024. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

STRUCTURAL
GANTRY SITE
INTEGRAL WALL FOUNDATION

100% DESIGN DOCUMENTS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	S-101
SHEET	56 of 79

DRILLED SHAFT

BORING B-3

BORING B2

DRILLED SHAFT

EQUIPMENT PAD

ELECTRIC LINE DEPTH: 2'±

ELECTRIC LINE DEPTH: 2.5'±

UNITI FIBER OPTIC CABLE LINE DEPTH: 2'±

UNITI FIBER OPTIC CABLE LINE DEPTH: 3.5'±

ELECTRIC LINE DEPTH: 4.5'±

ELECTRIC LINE DEPTH: 3.5'±

WATER LINE DFPTH: 3.5'±

NO.	DATE	REVISION	BY	APVD
DSGN	T. BRAXMEIER	DR J. WINKELMANN	CHK	B. ROWAN APVD

©JACOBS 2024. ALL RIGHTS RESERVED.
UNPUBLISHED. THIS DRAWING AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND SHALL NOT BE USED IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

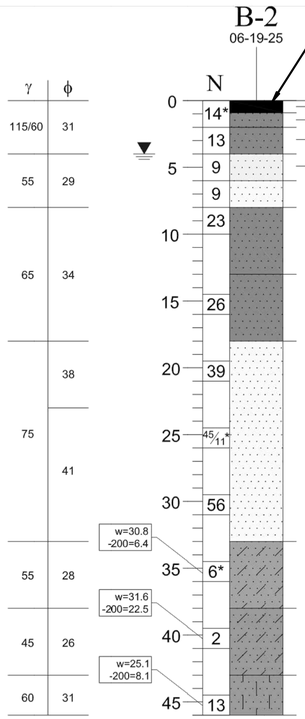
STRUCTURAL
GANTRY SITE
BORING LOCATION PLAN

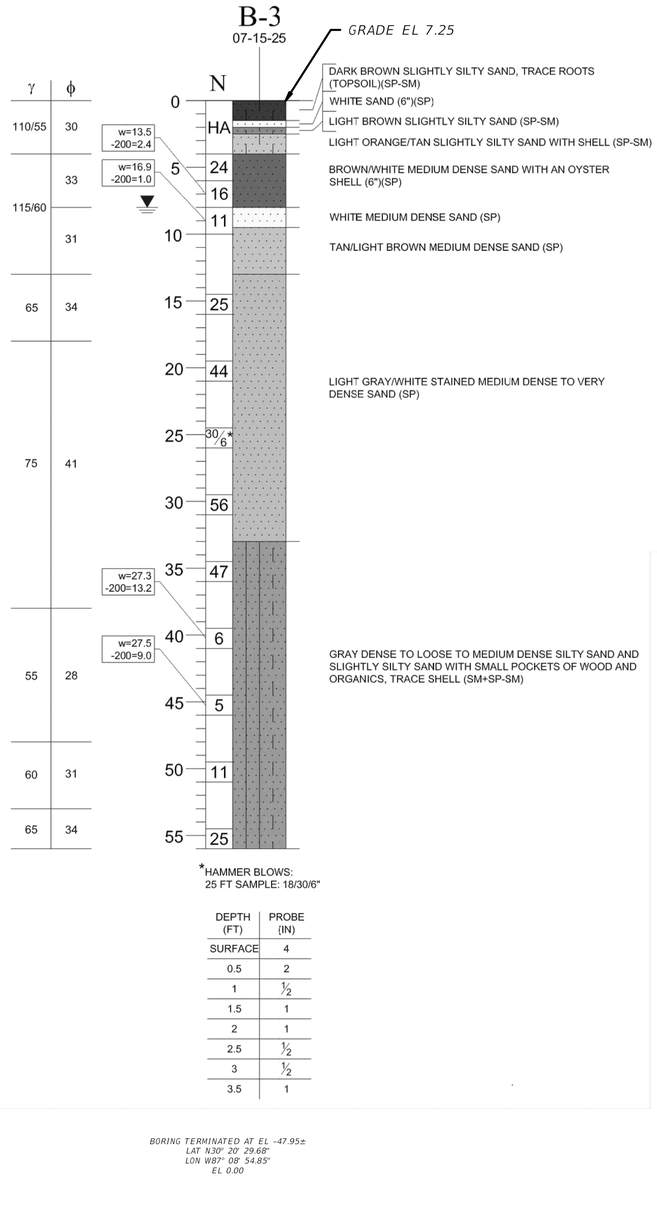
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

100% DESIGN DOCUMENTS

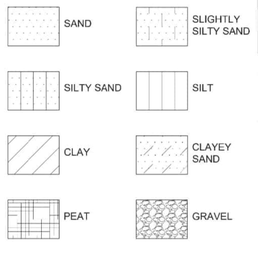
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	S-102
SHEET	57 of 79





LEGEND



GNE
GROUNDWATER NOT ENCOUNTERED AT TIME OF DRILLING

N
STANDARD PENETRATION RESISTANCE IN BLOWS PER FOOT

N_A
STANDARD PENETRATION RESISTANCE USING AUTOHAMMER

ENCOUNTERED GROUNDWATER LEVEL

ENCOUNTERED PERCHED WATER LEVEL

50/2"
NUMBER OF BLOWS REQUIRED (50) TO ADVANCE SPLIT SPOON SAMPLER A SPECIFIC DISTANCE (2) INCHES

HW
SPLIT SPOON SAMPLE ADVANCED UNDER WEIGHT OF ROD AND HAMMER

RW
SAMPLER ADVANCED UNDER WEIGHT OF ROD

HA
HAND AUGER

SHELBY TUBE SAMPLER

W
NATURAL MOISTURE CONTENT (%)

-200
FINES PASSING #200 SIEVE (%)

O.C.
ORGANIC CONTENT (%)

LL
LIQUID LIMIT

PL
PLASTIC LIMIT

LI
LIQUIDITY INDEX

CRS
APPROXIMATE COHESION VALUE (PSF) BASED ON POCKET PENETROMETER READINGS

K_v
SATURATED VERTICAL HYDRAULIC CONDUCTIVITY (FT/DAY)

γ_d
DRY UNIT WEIGHT (PCF)

γ_m
ESTIMATED MOIST UNIT WEIGHT (PCF)

γ_b
ESTIMATED BUOYANT UNIT WEIGHT (PCF)

ϕ
ESTIMATED ANGLE OF INTERNAL FRICTION (DEGREES)

NO.	DATE	REVISION	BY	APVD
DSGN	T. BRAXMEIER	DR J. WINKELMANN	CHK	B. ROWAN

© JACOBS 2024. ALL RIGHTS RESERVED.
THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
REUSE OF DOCUMENTS

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

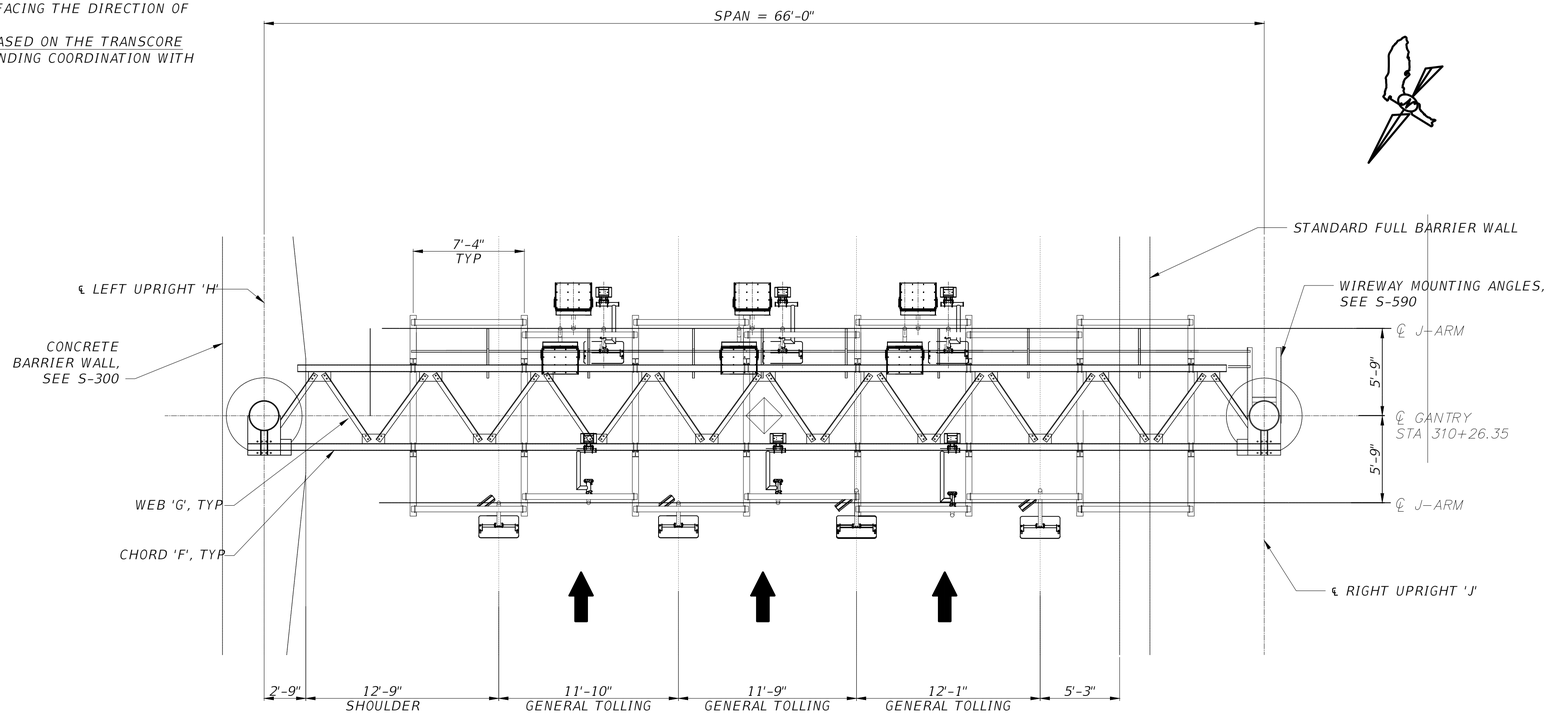
STRUCTURAL
GANTRY SITE
REPORT CORE BORINGS

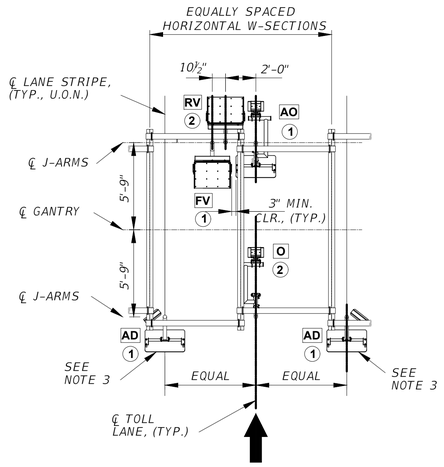
100% DESIGN DOCUMENTS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	S-103
SHEET	58 of 79

NOTES:
1. WORK THIS SHEET WITH FDOT DESIGN STANDARD INDEX 11320. SEE S-600 FOR TOLLING STRUCTURE DATA TABLE.
2. WIREWAYS NOT SHOWN FOR CLARITY.
3. LEFT AND RIGHT UPRIGHT DETERMINED WHEN FACING THE DIRECTION OF TRAVEL.
4. TOLL EQUIPMENT AND LOCATIONS SHOWN ARE BASED ON THE TRANSCORE INFINITY SYSTEM. FINAL EQUIPMENT LAYOUT PENDING COORDINATION WITH TOLLING EQUIPMENT CONTRACTOR (TEC).





TYPICAL TOLL LANE / SHOULDER (TRANSCORE)

NOTES:

1. TOLL EQUIPMENT LOCATION IS BASED ON THE CENTER OF THE EQUIPPED LANE / SHOULDER.
2. J-ARM LOCATION IS BASED ON THE MOUNTING REQUIREMENTS OF THE TOLL EQUIPMENT.
3. ANTENNAS AND DVAS ARE NOT REQUIRED OVER THE EDGE OF THE TOLL LOOP PAVEMENT AREA.
4. TOLL EQUIPMENT CAN BE MIRRORED ABOUT THE CENTER ON THE LANE.
5. THE ANTENNAS, OPUS, AND VCARS J-ARM CONNECTION POINTS MAY BE SHIFTED HORIZONTALLY WITHIN THE LIMITS OF THE MOUNTING HARDWARE TO MITIGATE CONFLICT WITH STRUCTURAL ELEMENTS. SEE EXHIBITS 252.1-3 AND 252.1-4.
6. TOLL EQUIPMENT IS NOT REQUIRED FOR SHOULDER WIDTHS LESS THAN 6 FEET.

TRANSCORE LEGEND:

- [A] ANTENNA
- [AD] ANTENNA / DVAS
- [AO] ANTENNA / OPUS
- [O] OPUS
- [FV] FRONT VCAR
- [RV] REAR VCAR
- (#) J-ARM POSITION TYPE

LEGEND

[#] INDICATES J-ARM MOUNTING POSITION, SEE S-530

DENOTES APPROXIMATE LOCATION OF SPT BORING. SEE S-100.

LATITUDE: N30° 20' 29.52"
LONGITUDE: W87° 08' 55.10"
NORTHING: 497584.14
EASTING: 1133059.71
STA 310+33.44

NO.	DATE	REVISION	BY	APVD
DSGN	T. BRAXMEIER	DR J. WINKELMANN	CHK	APVD B. ROWAN

© JACOBS 2024. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

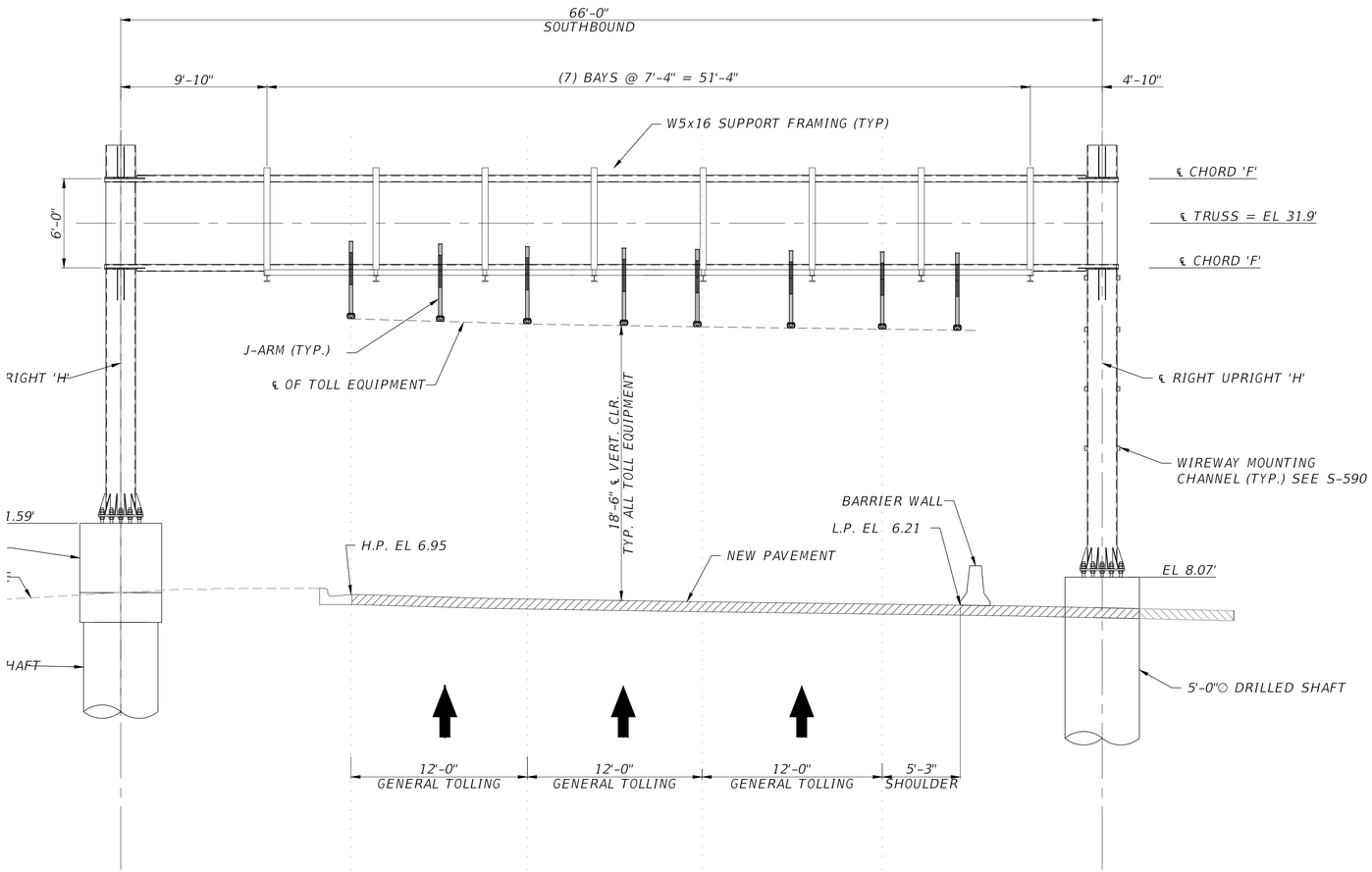
STRUCTURAL
GANTRY
SB FRAMING PLAN

100% DESIGN DOCUMENTS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	S-110
SHEET	59 of 79

NOTES:
1. WORK THIS SHEET WITH FDOT DESIGN STANDARD INDEX NO. 11320. SEE S-600 FOR TOLLING STRUCTURE DATA TABLE.
2. TRUSS WEB MEMBERS AND WIREWAYS NOT SHOWN FOR CLARITY.
3. TRAILING EQUIPMENT NOT SHOWN FOR CLARITY.
4. UPRIGHTS TO BE FILLED WITH CONCRETE 8'-0" ABOVE THE TOP OF FOUNDATION/CONCRETE BARRIER WALL. SEE S-510.
5. A.P.E. = AVERAGE PAVEMENT ELEVATION.
6. TOLL EQUIPMENT AND LOCATIONS SHOWN ARE BASED ON THE TRANSCORE INFINITY SYSTEM. FINAL EQUIPMENT LAYOUT PENDING COORDINATION WITH TOLLING EQUIPMENT CONTRACTOR (TEC).



NO.	DATE	DSGN	DR	CHK	APVD	BY	APVD
		T. BRAXMEIER	J. WINKELMANN	B. ROWAN			

REVISION

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

STRUCTURAL
GANTRY
SOUTHBOUND ELEVATION

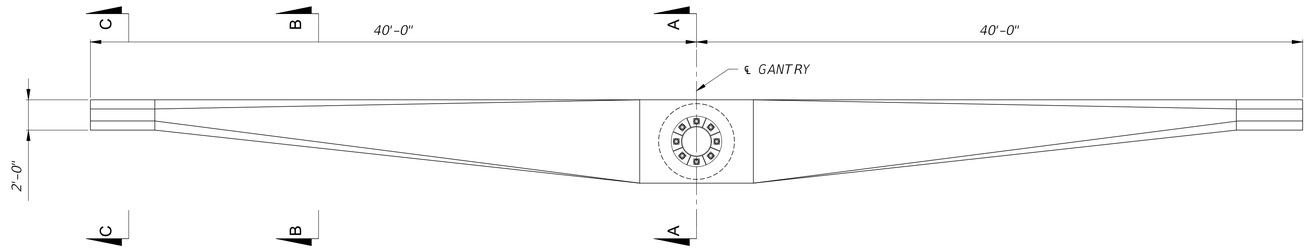
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	S-200
SHEET	60 of 79

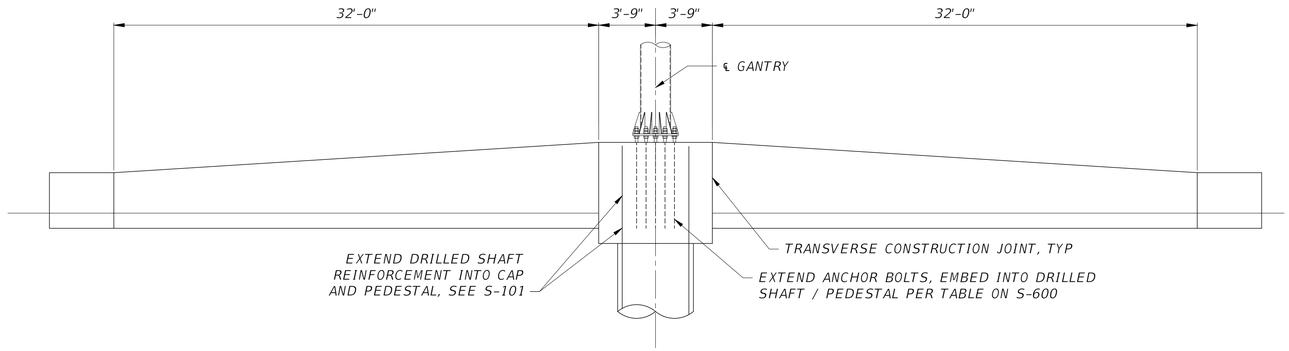
100% DESIGN DOCUMENTS

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
© JACOBS 2024. ALL RIGHTS RESERVED.

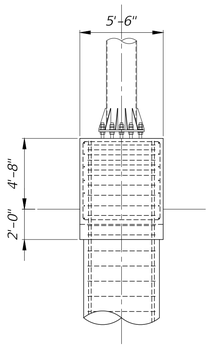
NOTES:
1. WORK THIS SHEET WITH FDOT DESIGN STANDARD INDEX 410 & MEDIAN BARRIER INDEX 521-001.
2. SEE STANDARD INDEX 410, DETAIL B FOR INFORMATION ON DOWELED TRANSVERSE CONSTRUCTION JOINT.
3. THE CONTRACTOR SHALL UTILIZE CLASS IV (DRILLED SHAFT) CONCRETE FOR CONSTRUCTION OF THE DRILLED SHAFT CAP AND CONCRETE BARRIER WALL.
4. REINFORCING STEEL SHALL MEET THE REQUIREMENTS OF ASTM A615, GRADE 60.
5. THE TOP SURFACE OF THE DRILLED SHAFT SHALL BE INTENTIONALLY ROUGHED TO A ¼" MINIMUM AMPLITUDE.



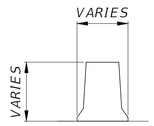
PLAN



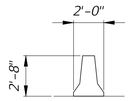
ELEVATION



SECTION A-A



SECTION B-B



SECTION C-C

NO.	DATE	REVISION	BY	APVD
DSGN	T. BRAXMEIER	DR J. WINKELMANN	CHK B. ROWAN	APVD

© JACOBS 2024. ALL RIGHTS RESERVED.
THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
REUSE OF DOCUMENTS:

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

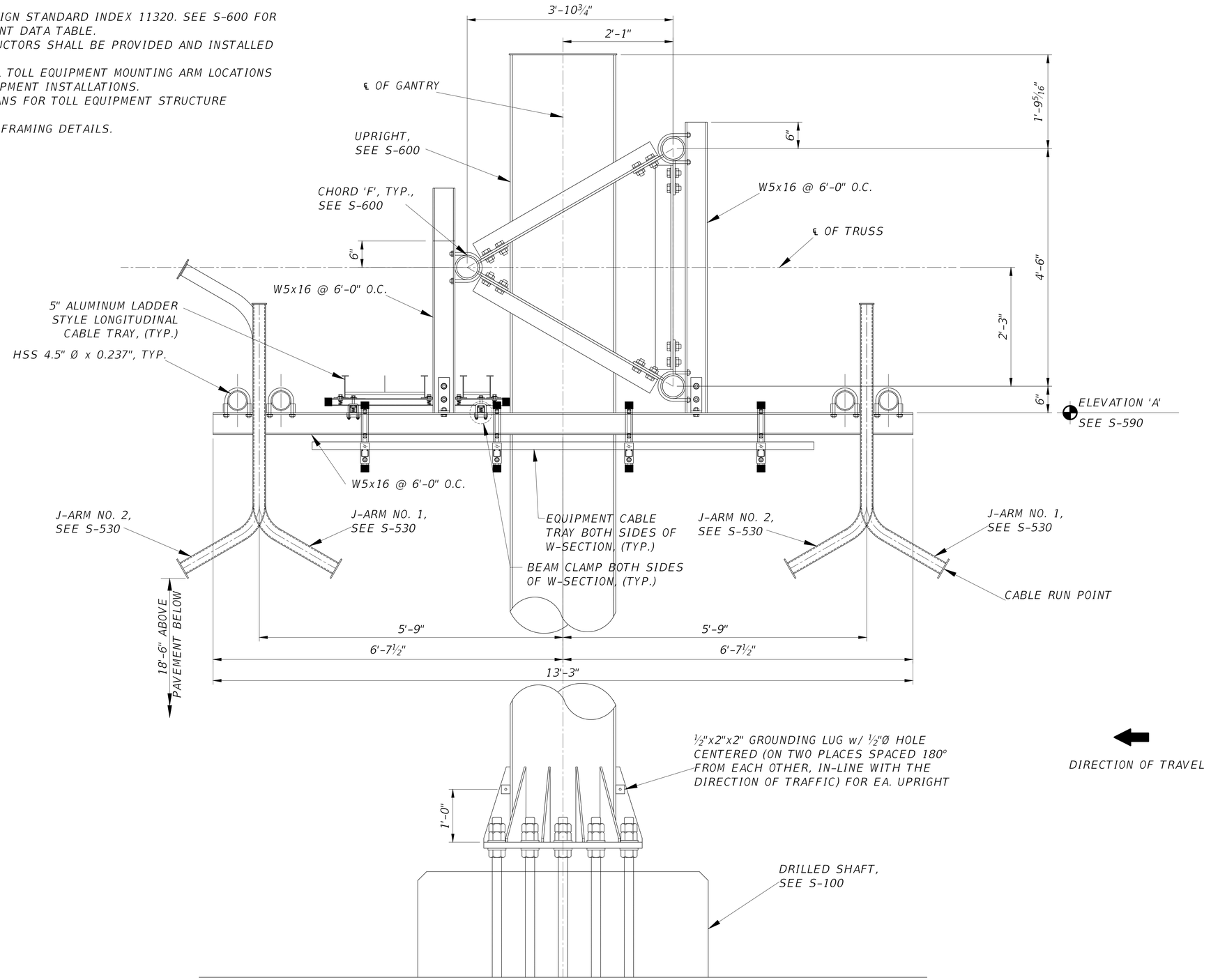
STRUCTURAL
GANTRY SITE
TOLL SITE BARRIER WALL

100% DESIGN DOCUMENTS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	S-300
SHEET	61 of 79

NOTES:
1. WORK THIS SHEET WITH FDOT DESIGN STANDARD INDEX 11320. SEE S-600 FOR SPAN STRUCTURE TOLLING EQUIPMENT DATA TABLE.
2. ALL TOLLING EQUIPMENT AND CONDUCTORS SHALL BE PROVIDED AND INSTALLED BY THE TEC.
3. COORDINATE AND FIELD VERIFY ALL TOLL EQUIPMENT MOUNTING ARM LOCATIONS WITH THE TEC PRIOR TO TOLL EQUIPMENT INSTALLATIONS.
4. SEE TOLL FACILITY ELECTRICAL PLANS FOR TOLL EQUIPMENT STRUCTURE GROUNDING.
5. SEE SHEET S-501 FOR EQUIPMENT FRAMING DETAILS.



NO.	DATE	REVISION	BY	APVD
DSGN	T. BRAXMEIER	DR J. WINKELMANN	CHK B. ROWAN	APVD

© JACOBS 2024. ALL RIGHTS RESERVED.
THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
REUSE OF DOCUMENTS:

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

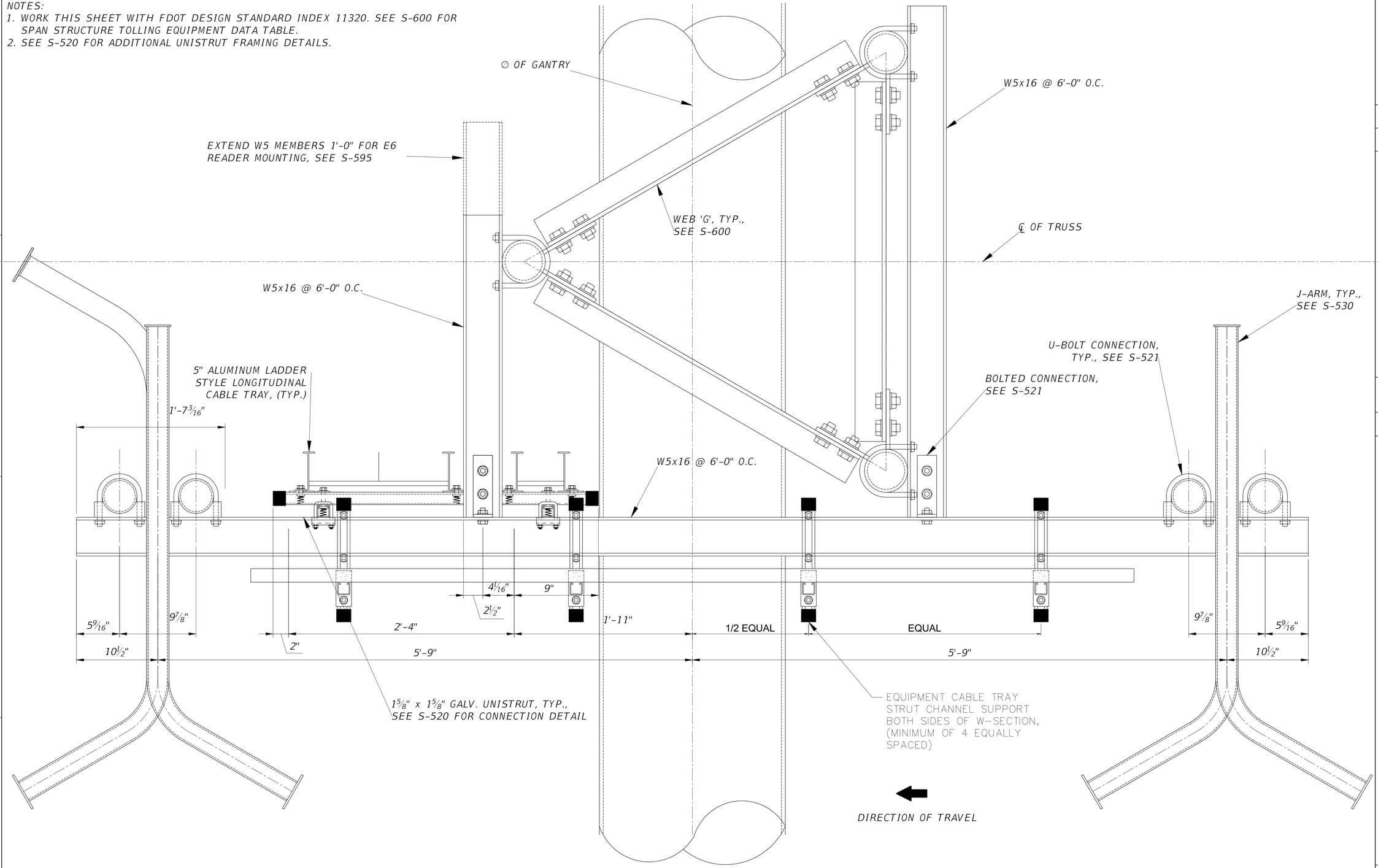
STRUCTURAL
GANTRY
TYPICAL SECTION

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	S-500
SHEET	62 of 79

100% DESIGN DOCUMENTS

NOTES:
1. WORK THIS SHEET WITH FDOT DESIGN STANDARD INDEX 11320. SEE S-600 FOR SPAN STRUCTURE TOLLING EQUIPMENT DATA TABLE.
2. SEE S-520 FOR ADDITIONAL UNISTRUT FRAMING DETAILS.



NO.	DATE	REVISION	BY	APV'D
DSGN	T. BRAXMEIER	DR	J. WINKELMANN	CHK	B. ROWAN	APV'D

© JACOBS 2024. ALL RIGHTS RESERVED.

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

Jacobs

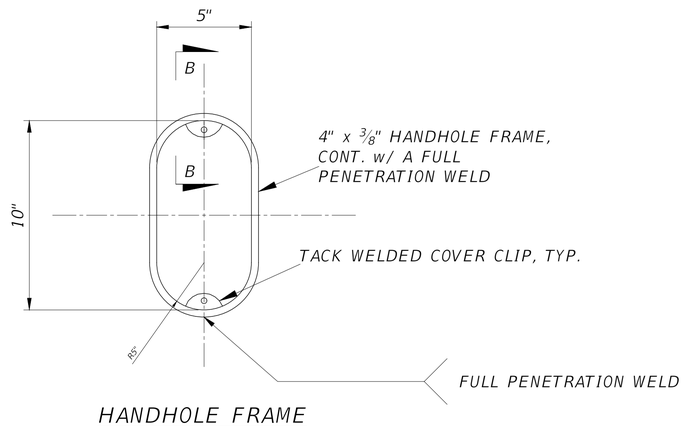
STRUCTURAL
GANTRY
EQUIPMENT FRAMING SECTION

100% DESIGN DOCUMENTS

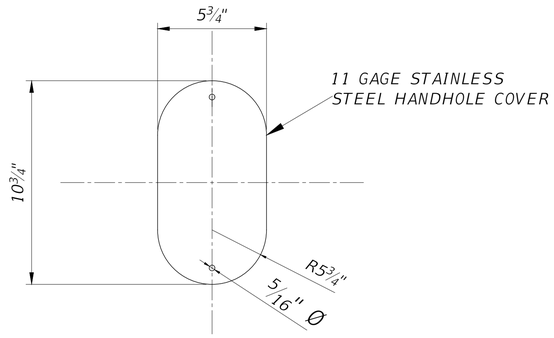
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	S-501
SHEET	63 of 79

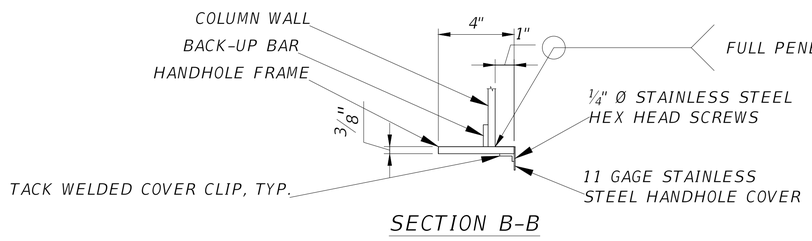
NOTES:
1. UPRIGHT SHALL BE FILLED WITH CONCRETE 8'-0" ABOVE THE TOP OF SHAFT. INFILL MAY EXTEND TO EDGES OF BASE PLATE AND AROUND ANCHOR BOLTS TO SIMPLIFY THE PLACEMENT OF FORMWORK.
2. HANDHOLE FRAME SHALL BE ASTM A709, GRADE 36 MIN.
3. HANDHOLE COVER SHALL BE ASTM A1011, GRADE 50 MIN.
4. STAINLESS STEEL SCREWS SHALL BE AISI TYPE 316.
5. TERMINATE 1" PVC PIPE w/ 90° ELBOW THAT EXTENDS BEYOND THE EDGE OF DRILLED SHAFT w/ A SECOND 90° ELBOW DRAINING DOWNWARD.
6. WORK THIS SHEET w/ FDOT DESIGN STANDARD INDEX 18300, SHEET 3 OF 9.
7. SINGLE UPRIGHT SHOWN. DUAL UPRIGHTS SIMILAR. SEE S-502 FOR LOCATION OF HANDHOLE ON DUAL UPRIGHTS.



HANDHOLE FRAME

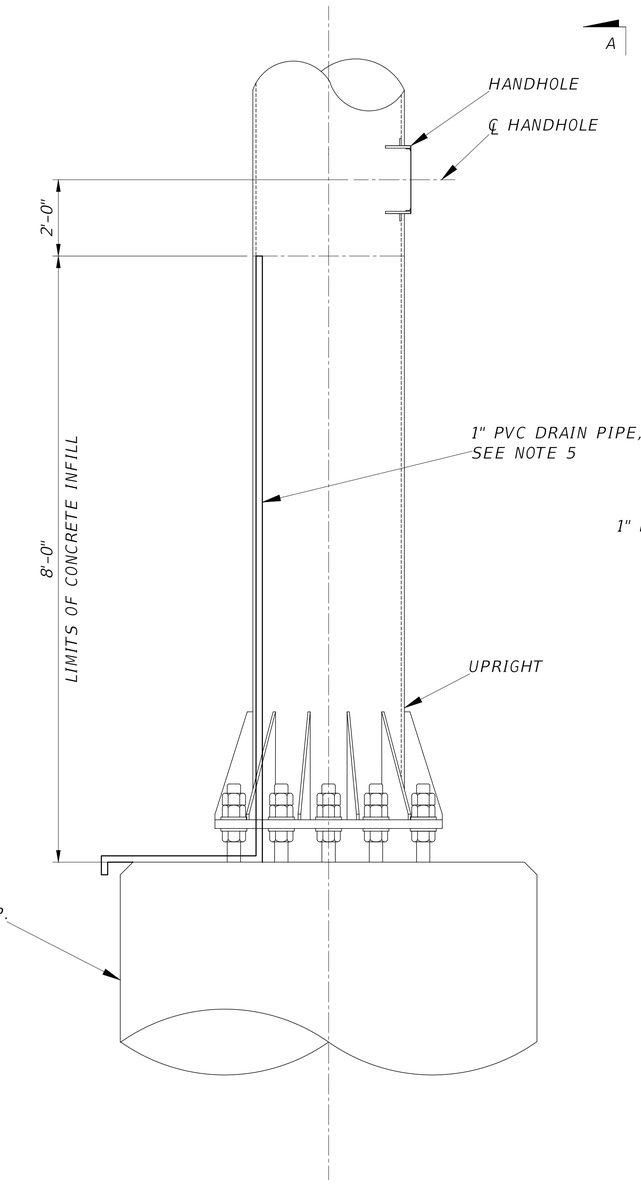


HANDHOLE COVER

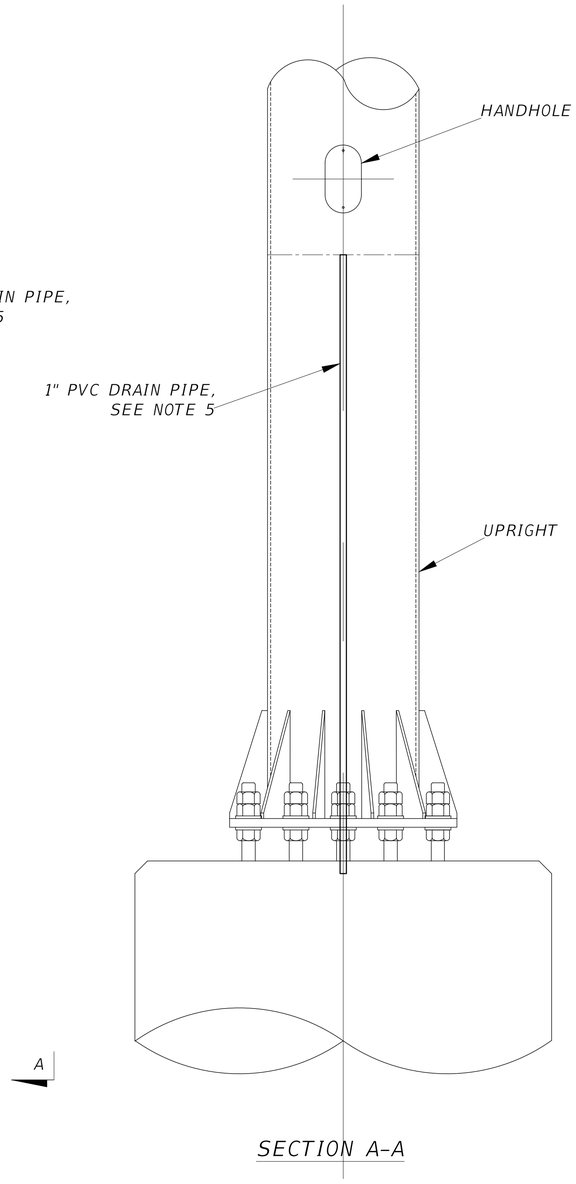


SECTION B-B

DIRECTION OF TRAFFIC



UPRIGHT HANDHOLES



SECTION A-A

NO.	DATE	REVISION	DR	CHK	APVD	BY	APVD
DSGN	T. BRAXMEIER		J. WINKELMANN		B. ROWAN		

© JACOBS 2024. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

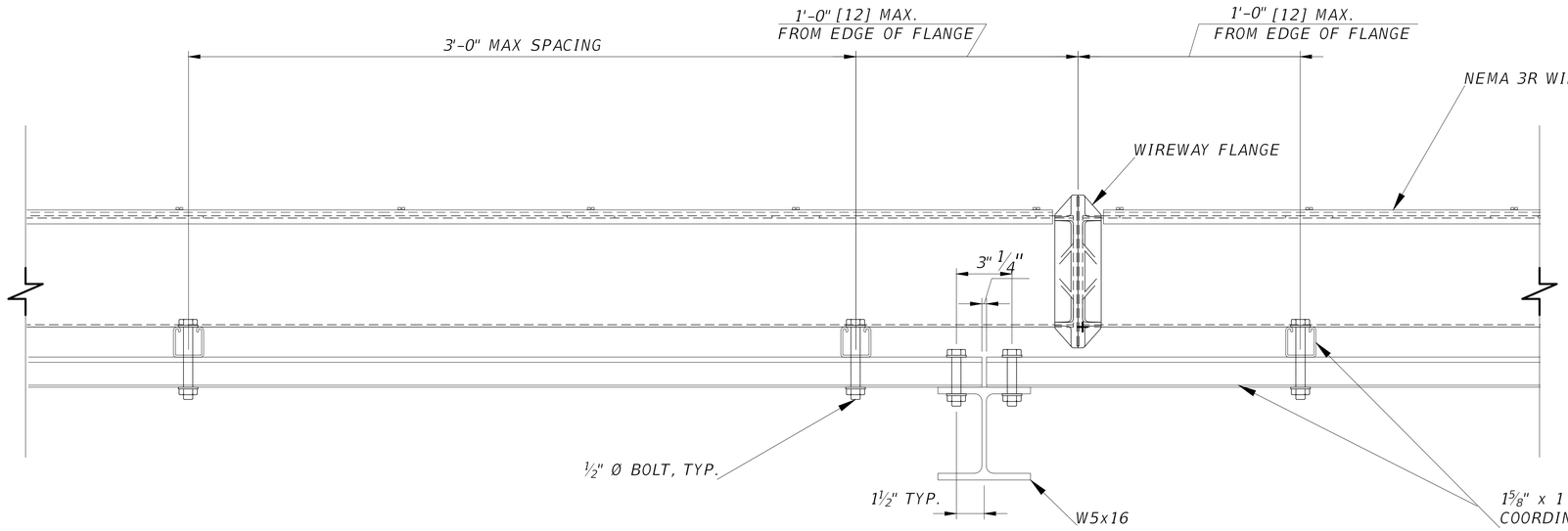
STRUCTURAL
GANTRY
UPRIGHT HANDHOLE DETAILS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	S-510
SHEET	64 of 79

100% DESIGN DOCUMENTS

NOTES:
1. WORK THIS SHEET WITH FDOT DESIGN STANDARD INDEX 11320. SEE S-600 FOR SPAN STRUCTURE TOLLING EQUIPMENT DATA TABLE.
2. SEE ELECTRICAL PLANS FOR WIREWAY CONNECTION TO UNISTRUT.



UNISTRUT SUPPORT FRAMING DETAIL

NO.	DATE	REVISION	BY	APV'D
DSGN	T. BRAXMEIER	DR J. WINKELMANN	CHK	B. ROWAN

© JACOBS 2024. ALL RIGHTS RESERVED.

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

STRUCTURAL
GANTRY
EQUIPMENT FRAMING (1 OF 3)

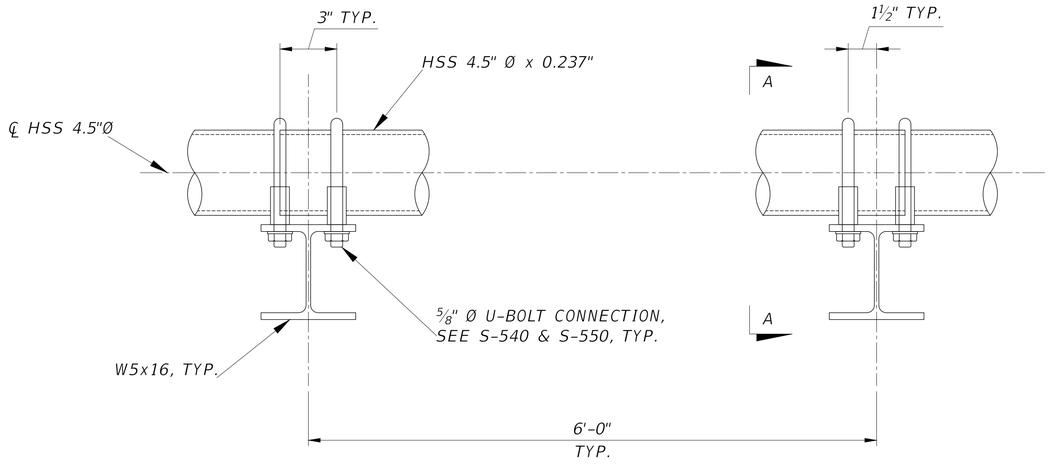
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

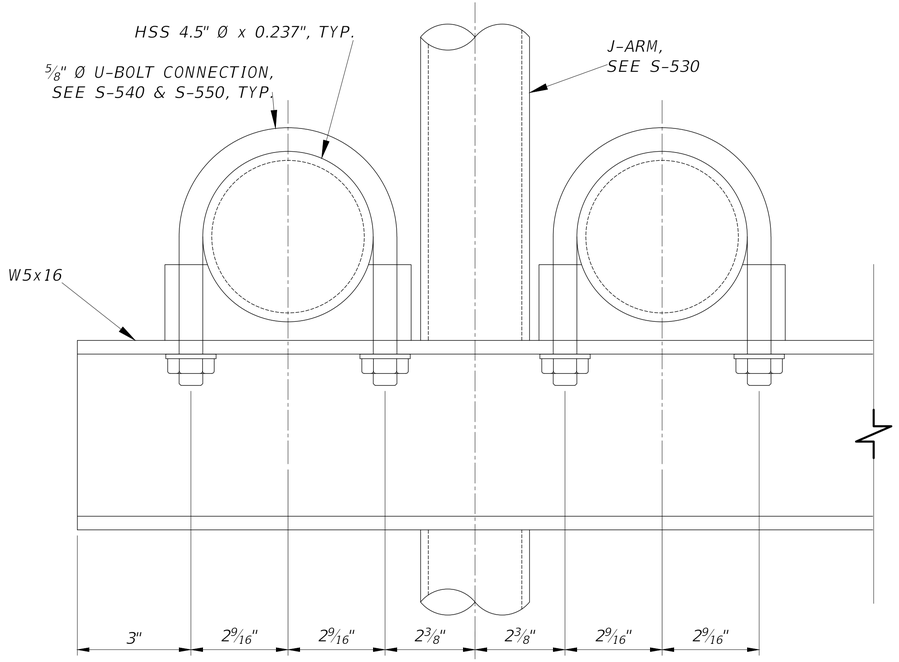
DATE	SEPT 2025
PROJ	D3971300
DWG	S-520
SHEET	65 of 79

100% DESIGN DOCUMENTS

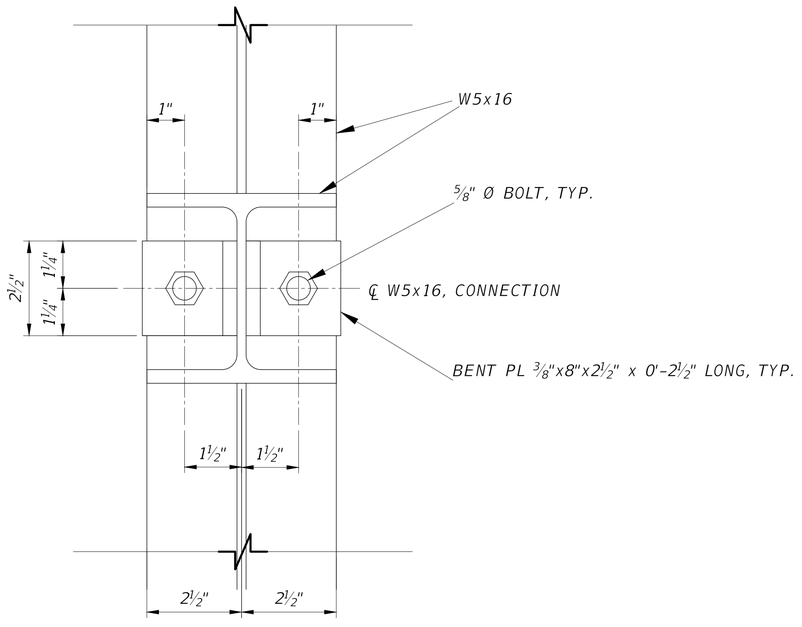
NOTES:
1. SEE PLAN AND ELEVATION FOR CONNECTION LOCATIONS.



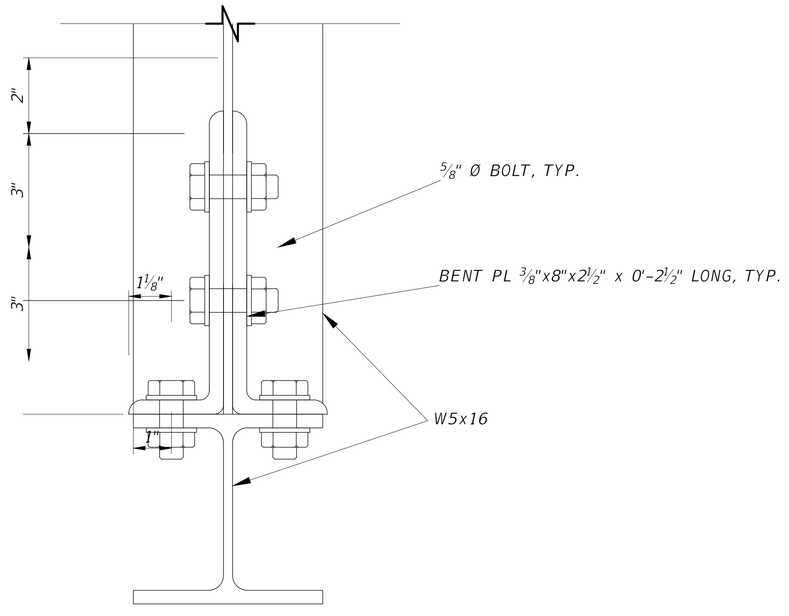
TYPICAL MOUNTING PIPE DETAIL



SECTION A-A



W5x16 TO W5x16 CONNECTION - PLAN



W5x16 TO W5x16 CONNECTION - SECTION

NO.	DATE	REVISION	BY	APVD
DSGN	T. BRAXMEIER	DR J. WINKELMANN	CHK	APVD B. ROWAN

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

STRUCTURAL
GANTRY
EQUIPMENT FRAMING (2 OF 3)

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

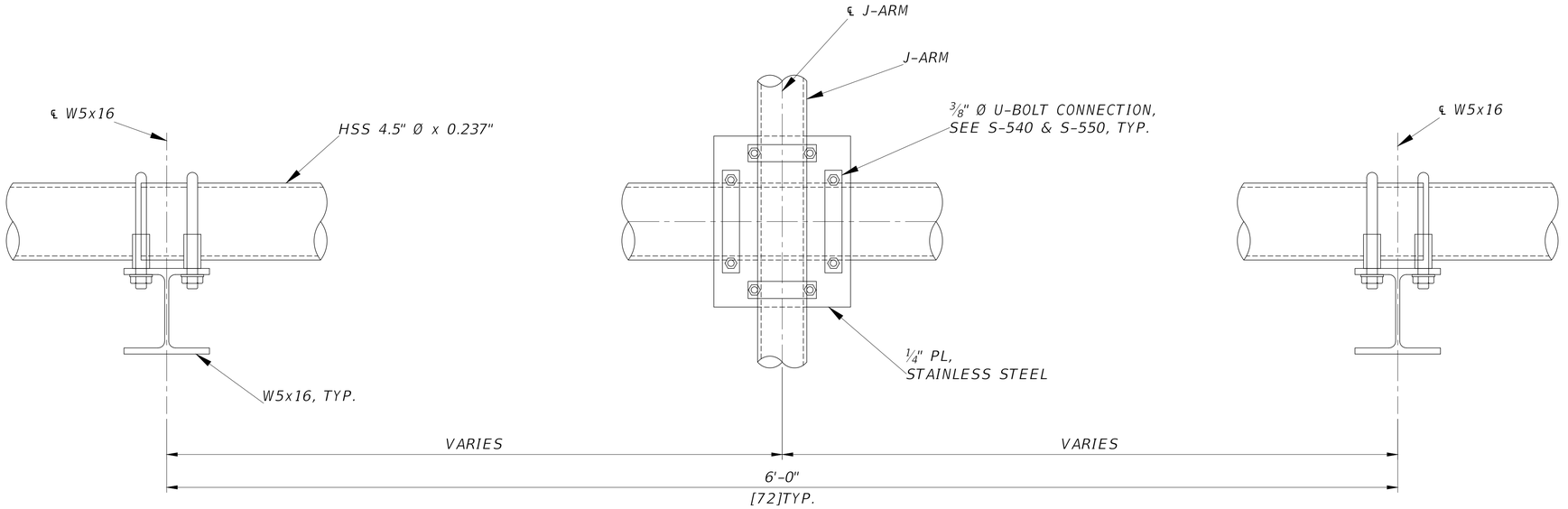
DATE	SEPT 2025
PROJ	D3971300
DWG	S-521
SHEET	66 of 79

100% DESIGN DOCUMENTS

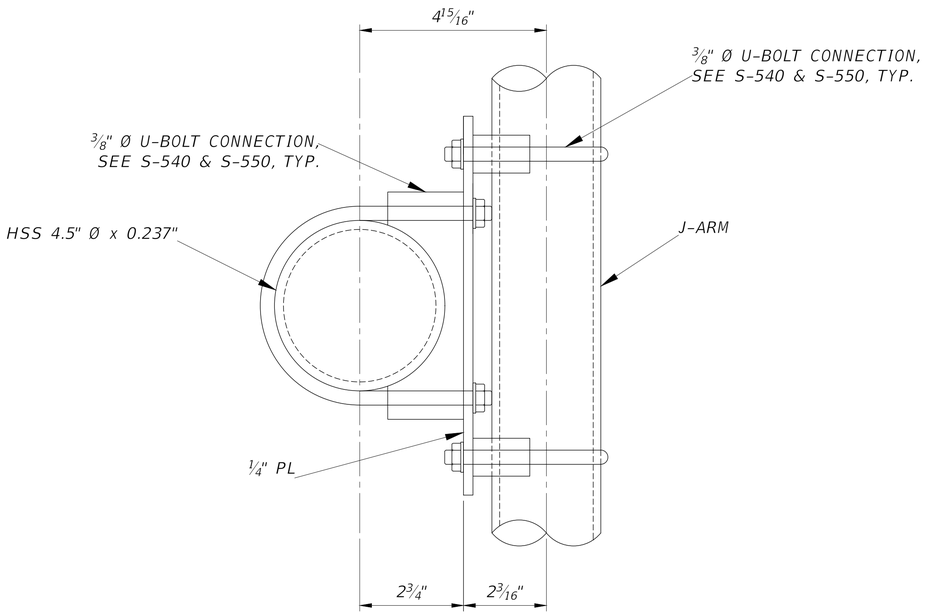
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

©JACOBS 2024. ALL RIGHTS RESERVED.

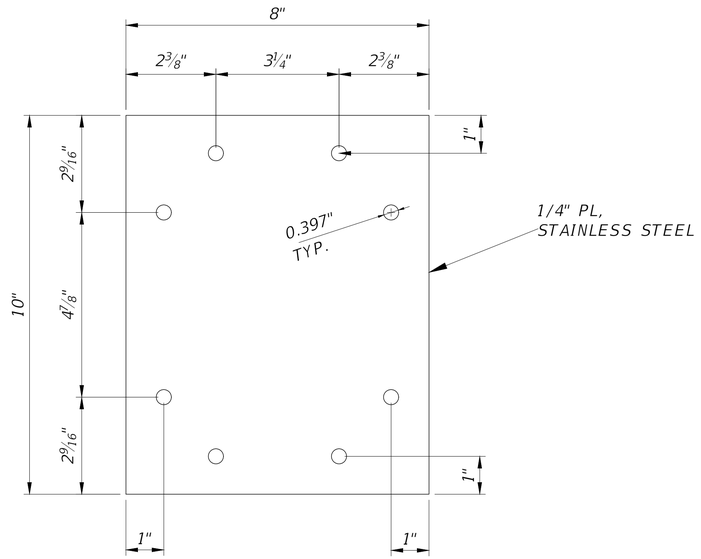
NOTES:
1. CONTRACTOR SHALL PROVIDE SIX SPARE HSS 4.5" Ø SUPPORT MEMBERS AND ASSOCIATED ATTACHMENT HARDWARE PER GANTRY TO THE COUNTY.



TYPICAL J-ARM CONNECTION - ELEVATION



TYPICAL J-ARM CONNECTION - SECTION



CONNECTION PLATE

NO.	DATE	REVISION	BY	APVD
DSGN	T. BRAXMEIER	DR	J. WINKELMANN	CHK	B. ROWAN	APVD

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

STRUCTURAL
GANTRY
EQUIPMENT FRAMING (3 OF 3)

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

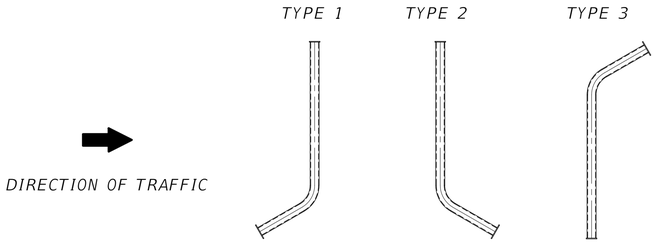
DATE	SEPT 2025
PROJ	D3971300
DWG	S-522
SHEET	67 of 79

100% DESIGN DOCUMENTS

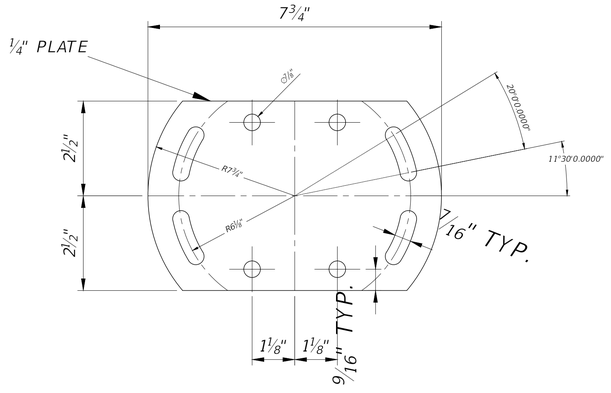
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

©JACOBS 2024. ALL RIGHTS RESERVED.

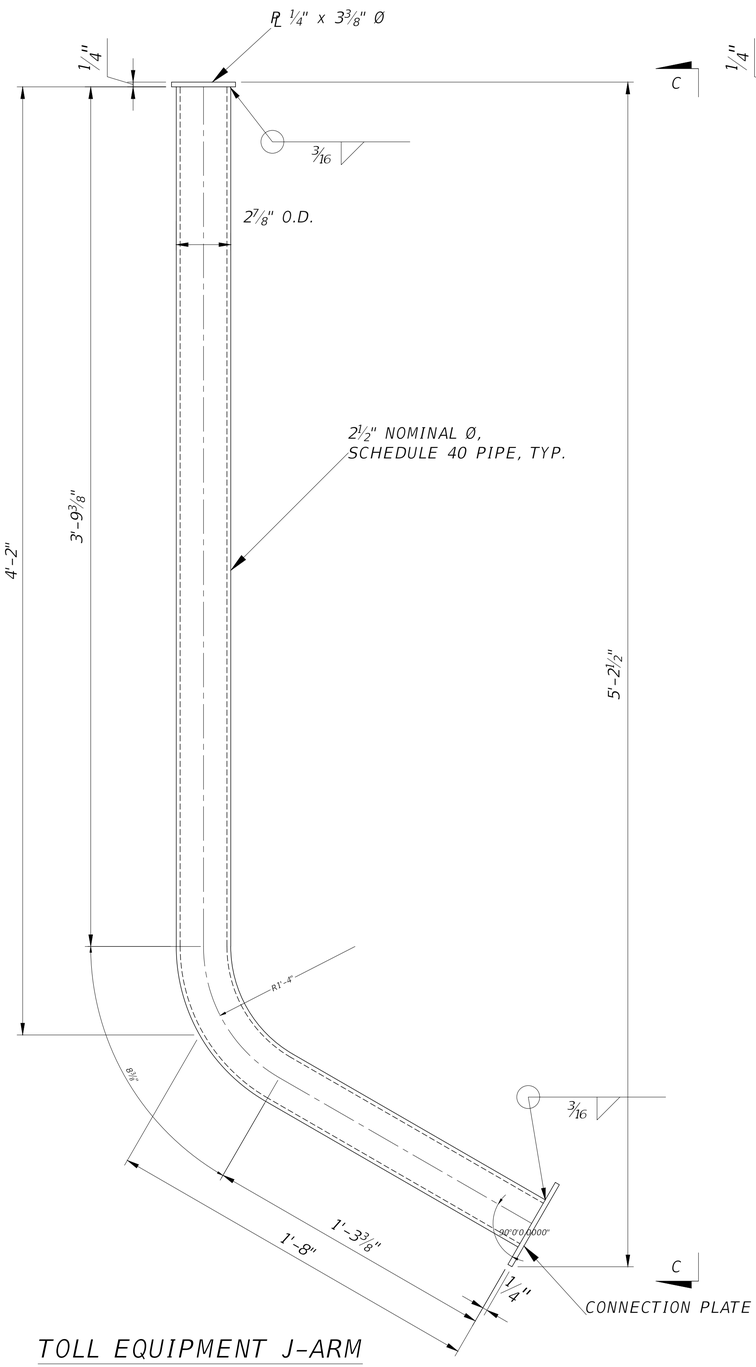
NOTES:
1. SEE PLAN AND ELEVATION FOR MEMBER LOCATIONS.
2. CONTRACTOR SHALL PROVIDE THREE SPARE J-ARMS AND ALL ASSOCIATED ATTACHMENT HARDWARE TO THE COUNTY.



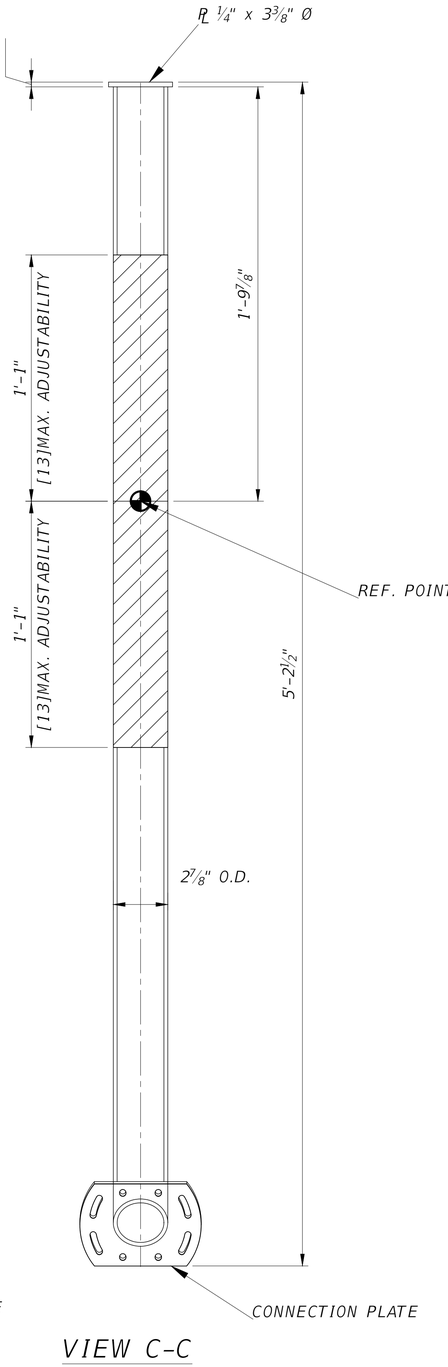
J-ARM MOUNTING POSITIONS



CONNECTION PLATE DETAIL



TOLL EQUIPMENT J-ARM



VIEW C-C

© JACOBS 2024. ALL RIGHTS RESERVED.
THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
REUSE OF DOCUMENTS

NO.	DATE	REVISION	BY	APVD
DSGN	T. BRAXMEIER	DR J. WINKELMANN	CHK	B. ROWAN

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

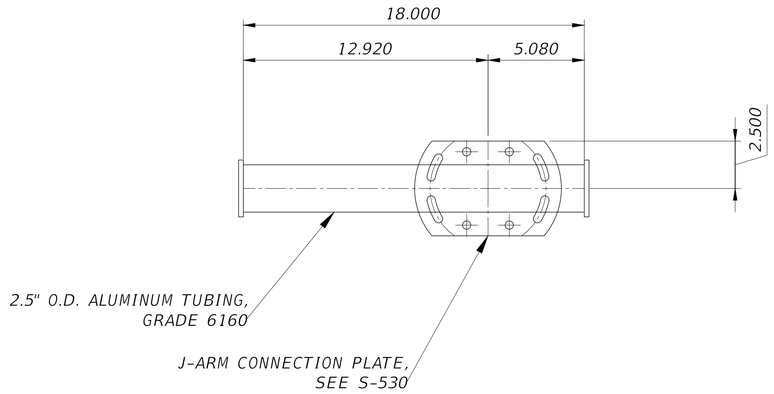
STRUCTURAL
GANTRY
J-ARM DETAILS (1 OF 3)

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

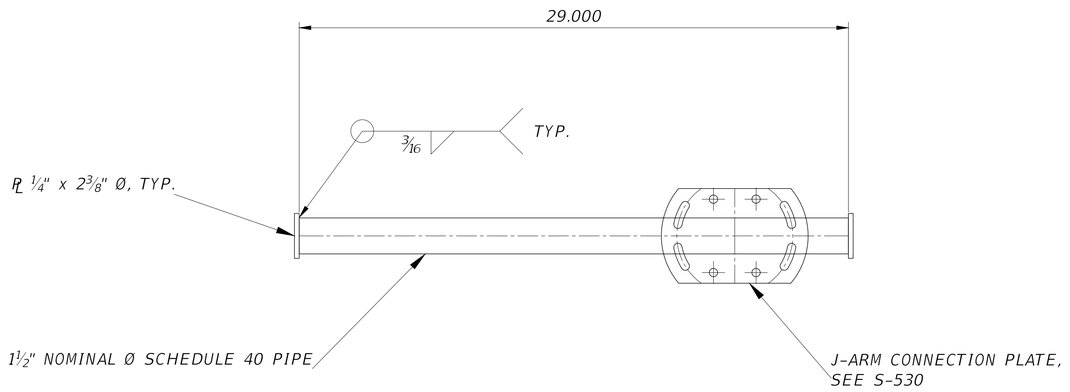
DATE	SEPT 2025
PROJ	D3971300
DWG	S-530
SHEET	68 of 79

100% DESIGN DOCUMENTS

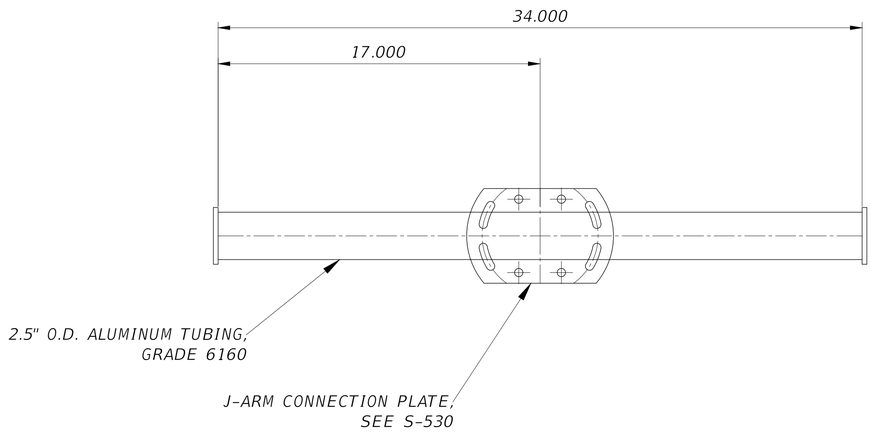
NOTES:
1. SEE PLAN AND ELEVATION FOR MEMBER LOCATIONS.
2. CONTRACTOR SHALL PROVIDE THREE SPARE J-ARMS AND ALL ASSOCIATED ATTACHMENT HARDWARE TO THE COUNTY.



OPUS MOUNTING PIPE DETAIL



VDAC MOUNTING PIPE DETAIL



VCAR MOUNTING PIPE DETAIL

NO.	DATE	REVISION	BY	APV'D
DSGN	T. BRAXMEIER	DR	J. WINKELMANN	CHK	B. ROWAN	APV'D

© JACOBS 2024. ALL RIGHTS RESERVED.
THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
REUSE OF DOCUMENTS:

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

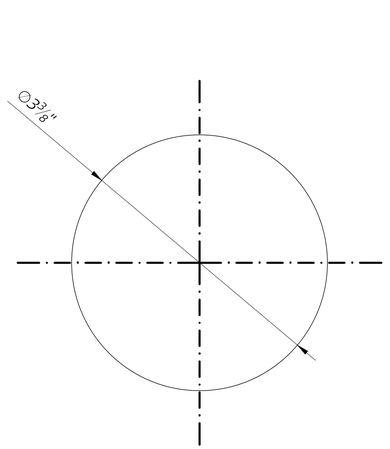
Jacobs

STRUCTURAL
GANTRY
J-ARM DETAILS (2 OF 3)

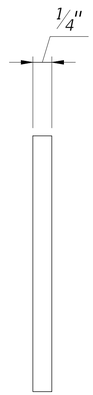
100% DESIGN DOCUMENTS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	S-531
SHEET	69 of 79



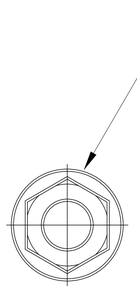
END VIEW



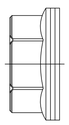
SIDE VIEW

NOTE: END CAP TO BE ALUMINUM 6061-T6. CHAMFER ALL EDGE 1/64" x 1/64"

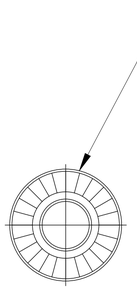
END CAP FOR J-ARM PIPE



TOP VIEW



SIDE VIEW



BOTTOM VIEW

NOTE: LOCKING NUTS TO BE 316 STAINLESS STEEL

LOCKING NUTS

J-ARM NOTES:

1. THE J-ARM DESIGN SHALL ACCOMMODATE ALL THE REQUIREMENTS DEFINED IN THESE NON-ACCESSIBLE GANTRY PLANS AND THE PROJECT TOLLING INFRASTRUCTURE REQUIREMENTS. PROVIDE J-ARMS BY A PRECISION METAL MANUFACTURER THAT IS CAPABLE OF MEETING OR EXCEEDING THE SPECIFICATION REQUIREMENTS AND IS ON THE "QUALIFIED PRODUCERS LIST".
2. U-BOLTS SHALL HAVE A WASHER, LOCKING NUTS, AND A SADDLE. BOLTS SHALL BE TORQUED TO A SNUG TIGHT CONDITION.
3. SEE "PLAN" DRAWING OF EACH GANTRY FOR TOLL EQUIPMENT LOCATIONS.
4. ALL TOLL EQUIPMENT J-ARMS AND REQUIRED HARDWARE SHALL BE PROVIDED BY THE CONTRACTOR. ALL J-ARMS SHALL BE IDENTICAL WITH EXCEPTION OF THE TOLERANCES DICTATED HEREIN.
5. WELDING OPERATIONS AND PROCEDURES SHALL BE QUALIFIED TO AMERICAN WELDING SOCIETY STRUCTURAL WELDING CODE (ALUMINUM) AWS D1.2, (CURRENT EDITION)
6. QUALIFICATION FOR WELDING AND WORKMANSHIP SHALL CONFORM TO AWS D1.2 (CURRENT EDITION), (ALUMINUM).
7. POST WELD CLEANING, REMOVE SPLASH AND SOOT.
8. THE J-ARM MATERIAL SHALL MEET ASTM B429, ALLOY 6061-T6 AND MEET FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 965-2 CERTIFICATION AND MILL ANALYSIS. THE J-ARMS SHALL HAVE AN OUTSIDE DIAMETER OF 2.875 INCHES WITH A TOLERANCE OF +/- 0.015 INCHES ALONG THE STRAIGHT SECTIONS OF THE ARM (ANSI H35.2) AND +/- 0.057 INCHES ALONG THE CURVED ARM SECTION (PIPE FABRICATION INSTITUTE STANDARD ES-24).
9. J-ARM ROUNDNESS MUST BE CHECKED AT THE FABRICATION FACILITY BEFORE SHIPPING TO THE JOBSITE IN ACCORDANCE WITH THE PRODUCER'S QUALITY CONTROL PLAN. THE DEPARTMENT MAY CHECK FOR J-ARM ROUNDNESS AT ANY TIME. PROVIDE MATERIAL TESTING REPORTS (MTRS) THAT SHOW THE MATERIAL MEETS ASTM B429, ALLOY 6061-T6. THERE MUST BE TRACEABILITY BETWEEN THE MTRS AND THE MATERIAL ACTUALLY USED FOR THE J-ARMS. THE DEPARTMENT MAY TEST THE J-ARMS FOR YIELD AND TENSILE STRENGTH AT ANY TIME PER FDOT SPECIFICATION 6-1.2.4.
10. THE J-ARM FABRICATOR SHALL BE AN APPROVED FABRICATOR OF ALUMINUM PRODUCTS PER FDOT SPECIFICATION SECTIONS 105-3.
11. THE J-ARM FABRICATOR SHALL PROVIDE A LETTER TO THE DEPARTMENT STATING THAT THE FABRICATOR IS CURRENTLY EQUIPPED/CAPABLE OF FABRICATING THE J-ARMS BASED ON THE CRITERIA DEFINED IN THESE PLANS. THIS LETTER SHALL BE PROVIDED AT LEAST ONE MONTH IN ADVANCE OF THE PROVISIONS BELOW FOR THE SAMPLE ARM. THE DEPARTMENT WILL NOT ACCEPT J-ARMS FROM FABRICATORS THAT CANNOT COMPLY WITH THE DESIGN AND TOLERANCE CRITERIA. THE DEPARTMENT RESERVES THE RIGHT TO VISIT AND INSPECT THE FABRICATION FACILITY, METHODS, AND MATERIALS AT ANY TIME.
12. EACH J-ARM FABRICATOR SHALL PROVIDE A SAMPLE J-ARM TO THE DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO FABRICATING ANY J-ARMS FOR THE PROJECT. THE ENTIRE FABRICATION PROCESS OF THE SAMPLE J-ARM SHALL BE OBSERVED BY THE DEPARTMENT AND/OR ITS REPRESENTATIVES. IF THE SAME J-ARM DOES NOT MEET THE CONTRACT REQUIREMENTS, THE DEPARTMENT WILL NOT ACCEPT J-ARMS FROM THE VENDOR FABRICATOR SUPPLYING THE SAMPLE UNTIL THE DESIGN AND TOLERANCE CRITERIA ARE MET FOR A SAMPLE ARM. ACCEPTANCE OF THE SAMPLE ARM BY THE DEPARTMENT DOES NOT CONSTITUTE ACCEPTANCE OF ALL J-ARMS PROVIDED SUBSEQUENTLY FOR THE PROJECT. THE DEPARTMENT MAY MEASURE ALL J-ARMS FOR CONFORMANCE TO DESIGN AND TOLERANCE CRITERIA AND REJECT ANY J-ARMS THAT DO NOT MEET THE DESIGN AND TOLERANCE CRITERIA. SAMPLE J-ARMS THAT MEET CRITERIA MAY BE USED AS PRODUCTION J-ARMS.
13. THE ABOVE STATED REQUIREMENTS FOR A LETTER AND A SAMPLE J-ARM ARE APPLICABLE FOR EACH J-ARM FABRICATOR.
14. SHOP DRAWINGS FROM ONE FABRICATOR SHALL NOT BE USED BY ANOTHER FABRICATOR.
15. THE POINT OF ATTACHMENT OF THE J-ARMS TO THE UPPER ARMS SHALL BE IN THE UPPER STRAIGHT SECTION OF THE J-ARM AND SHALL MEET THE CRITERIA DEFINED IN THESE PLANS.
16. THREE SPARE J-ARMS AND ALL ASSOCIATED REQUIRED J-ARM ATTACHMENT HARDWARE (U-BOLTS, PIPE SADDLES, MOUNTING PLATES, SELF-LOCKING NUTS, ETC.) PER GANTRY SHALL BE PROVIDED TO THE DEPARTMENT AND DELIVERED TO THE DEPARTMENT'S CENTRAL REPAIR DEPOT AT TURNPIKE MILEPOST 99. THE CONTRACTOR SHALL PROVIDE TWO WEEKS ADVANCE NOTICE PRIOR TO DELIVERING THE SPARE ITEMS.
17. SIX SPARE HORIZONTAL SUPPORT PIPES AND COMPLETE SETS OF ATTACHMENT HARDWARE PER GANTRY SHALL BE PROVIDED TO THE DEPARTMENT AND DELIVERED TO THE DEPARTMENT'S CENTRAL REPAIR DEPOT AT TURNPIKE MILEPOST 99. THE CONTRACTOR SHALL PROVIDE TWO WEEKS ADVANCE NOTICE PRIOR TO DELIVERING THE SPARE ITEMS.
18. FOR SPECIFICS CONCERNING J-ARMS, SEE SHEETS S-522 TO S-551.

NO.	DATE	DSGN	REVISION	BY	APVD
		DR	J. WINKELMANN	CHK	APVD
			T. BRAXMEIER		B. ROWAN

© JACOBS 2024. ALL RIGHTS RESERVED.

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

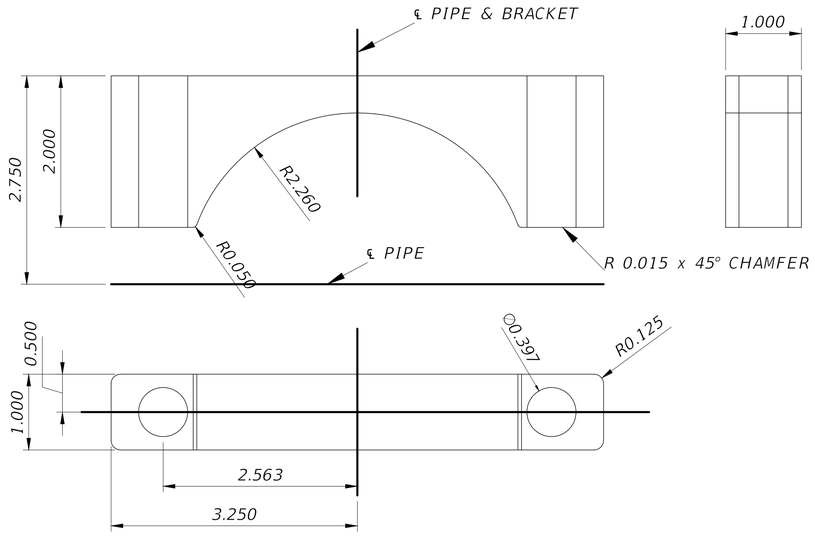
Jacobs

STRUCTURAL
GANTRY
J-ARM DETAILS (3 OF 3)

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

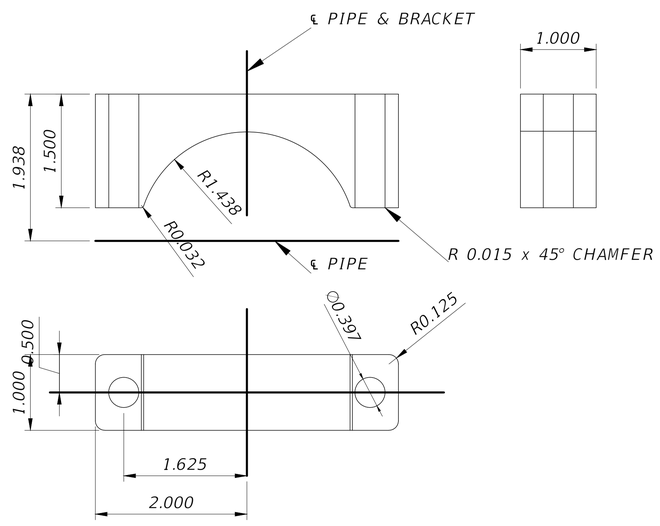
DATE	SEPT 2025
PROJ	D3971300
DWG	S-532
SHEET	70 of 79

100% DESIGN DOCUMENTS

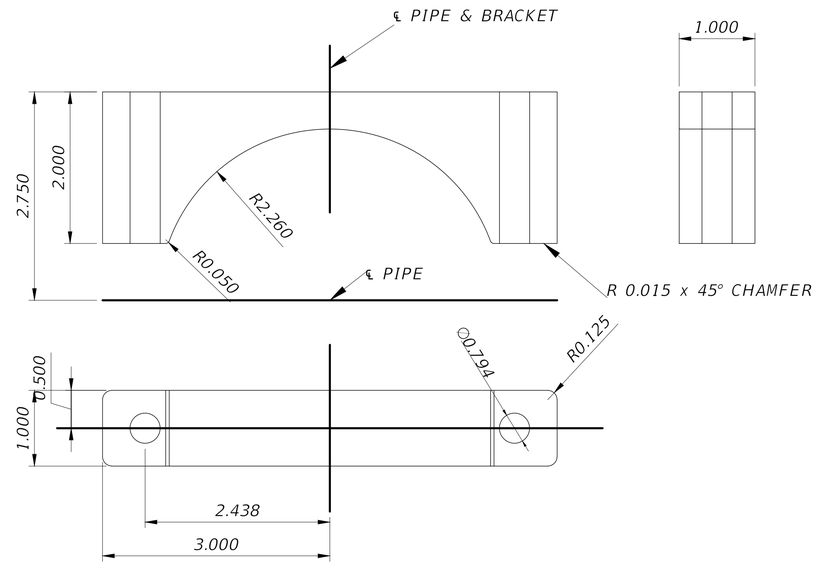


HSS 4.5 PIPE TO W5x16 SADDLE DETAIL

NOTES:
1. BREAK ALL EDGES
2. CLEAN AND DEGREASE PART.
3. SADDLE TO BE GALVANIZED STEEL.
4. ALL DIMENSIONS ARE IN INCHES, UNLESS NOTED OTHERWISE.
5. FOR ADDITIONAL NOTES, SEE S-532



J-ARM PIPE SADDLE DETAIL



HSS 4.5 PIPE TO J-ARM PLATE SADDLE DETAIL

NO.	DATE	REVISION	BY	APVD
DSGN	T. BRAXMEIER	DR	J. WINKELMANN	CHK	B. ROWAN	APVD

© JACOBS 2024. ALL RIGHTS RESERVED.
THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
REUSE OF DOCUMENTS:

100% DESIGN DOCUMENTS

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

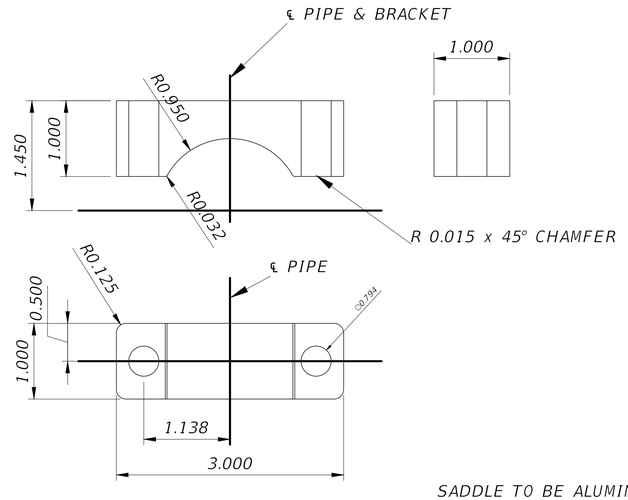
Jacobs

STRUCTURAL
GANTRY
SADDLE DETAILS (1 OF 2)

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

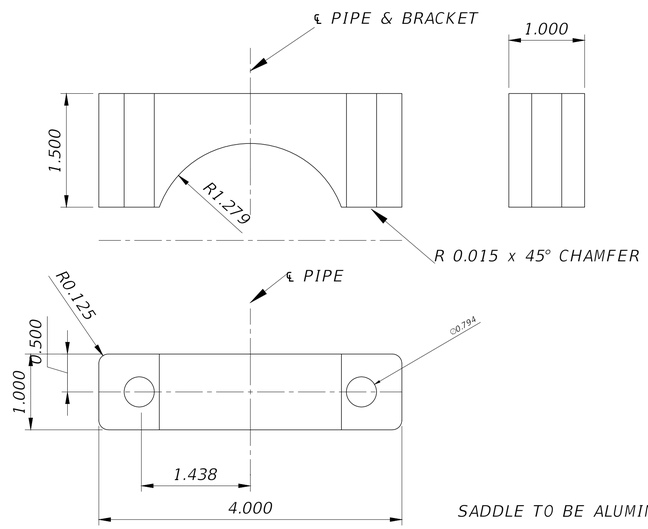
DATE	SEPT 2025
PROJ	D3971300
DWG	S-540
SHEET	71 of 79

NOTES:
1. BREAK ALL EDGES
2. CLEAN AND DEGREASE PART.
3. ALL DIMENSIONS ARE IN INCHES, UNLESS NOTED OTHERWISE.
4. FOR ADDITIONAL NOTES, SEE S-532



SADDLE TO BE ALUMINUM 6061-T6

VDAC PIPE SADDLE DETAIL



SADDLE TO BE ALUMINUM 6061-T6

OPUS & VCAR PIPE SADDLE DETAIL

NO.	DATE	REVISION	BY	APVD
DSGN	T. BRAXMEIER	DR	J. WINKELMANN	CHK	B. ROWAN	APVD

©JACOBS 2024. ALL RIGHTS RESERVED.

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

STRUCTURAL
GANTRY
SADDLE DETAILS (2 OF 2)

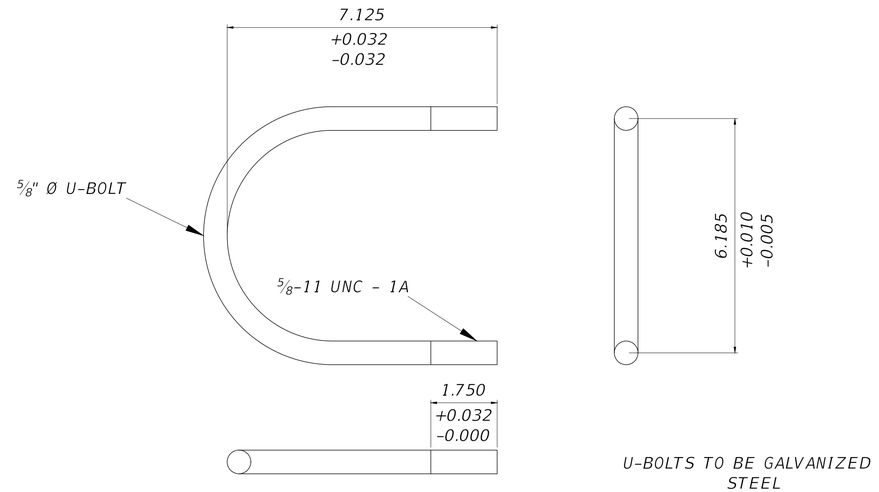
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

100% DESIGN DOCUMENTS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

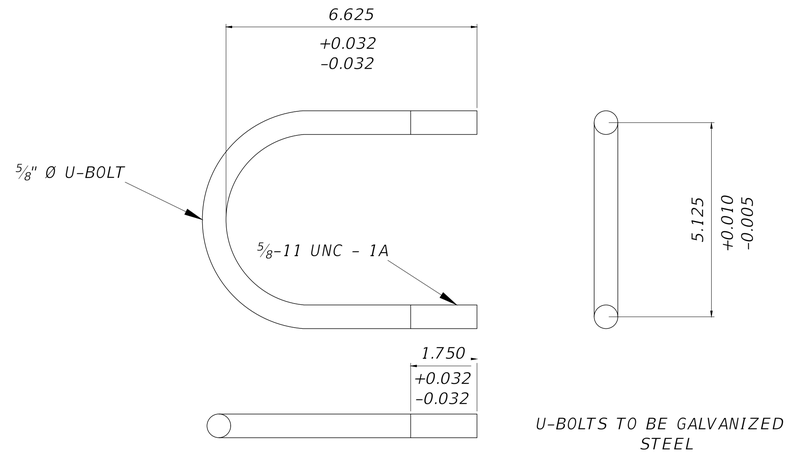
DATE	SEPT 2025
PROJ	D3971300
DWG	S-541
SHEET	72 of 79

NOTES:
1. ALL DIMENSIONS ARE IN INCHES, UNLESS NOTED OTHERWISE.
2. FOR ADDITIONAL NOTES, SEE S-532



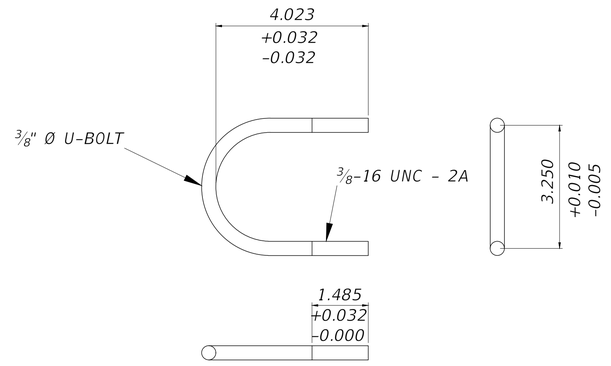
U-BOLTS TO BE GALVANIZED STEEL

GANTRY CHORD TO W5x16 U-BOLT DETAIL



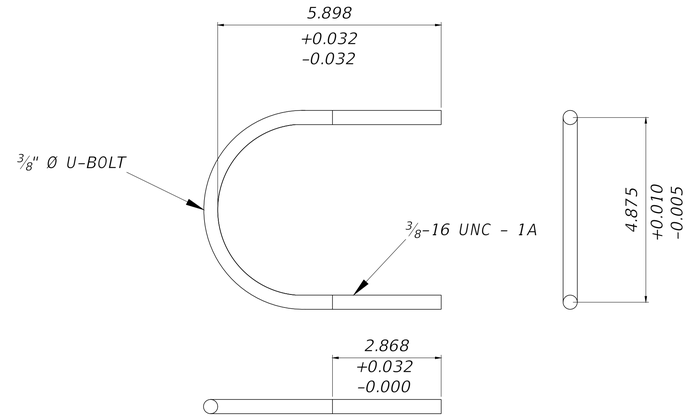
U-BOLTS TO BE GALVANIZED STEEL

HSS 4.5 PIPE TO W5x16 U-BOLT DETAIL



U-BOLTS TO BE 316 STAINLESS STEEL AND THREADS TO BE COASTED WITH A SUITABLE ANTI-GALL COMPOUND

J-ARM PLATE U-BOLT DETAIL



U-BOLTS TO BE 316 STAINLESS STEEL AND THREADS TO BE COASTED WITH A SUITABLE ANTI-GALL COMPOUND

HSS 4.5 PIPE TO J-ARM PLATE U-BOLT DETAIL

NO.	DATE	REVISION	BY	APVD
DSGN	T. BRAXMEIER	DR J. WINKELMANN	CHK	APVD B. ROWAN

© JACOBS 2024. ALL RIGHTS RESERVED.
REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

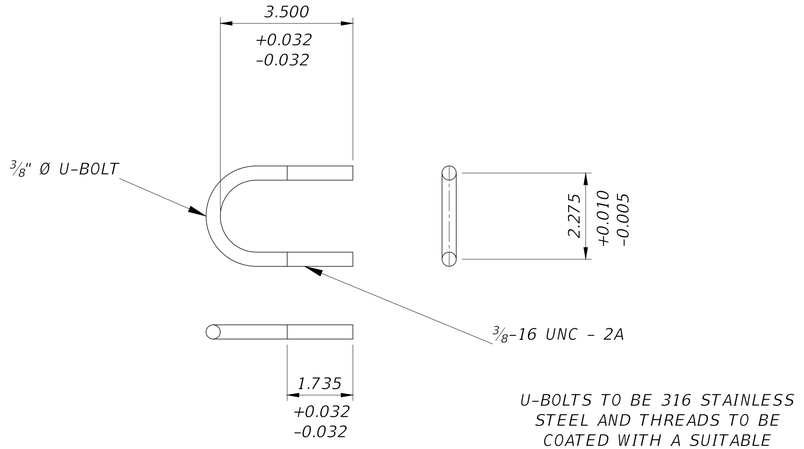
STRUCTURAL
GANTRY
U-BOLT DETAILS (1 OF 2)

100% DESIGN DOCUMENTS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	S-550
SHEET	73 of 79

NOTES:
1. ALL DIMENSIONS ARE IN INCHES, UNLESS NOTED OTHERWISE.
2. FOR ADDITIONAL NOTES, SEE S-532



U-BOLTS TO BE 316 STAINLESS STEEL AND THREADS TO BE COATED WITH A SUITABLE ANTI-GALL COMPOUND

VDAC PIPE U-BOLT DETAIL

NO.	DATE	REVISION	BY	APVD
DSGN	T. BRAXMEIER	DR	J. WINKELMANN	CHK	B. ROWAN	APVD

© JACOBS 2024. ALL RIGHTS RESERVED.
THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
REUSE OF DOCUMENTS:

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

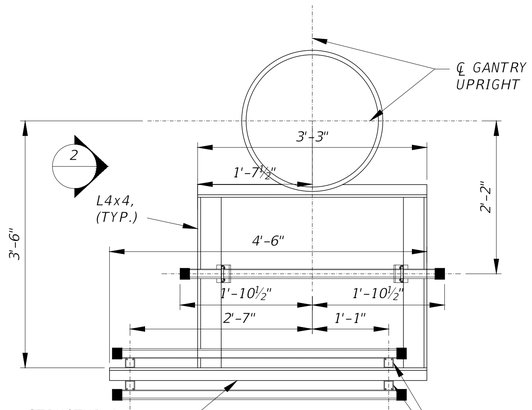
STRUCTURAL
GANTRY
U-BOLT DETAILS (2 OF 2)

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

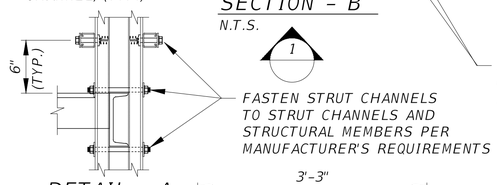
DATE	SEPT 2025
PROJ	D3971300
DWG	S-551
SHEET	74 of 79

100% DESIGN DOCUMENTS

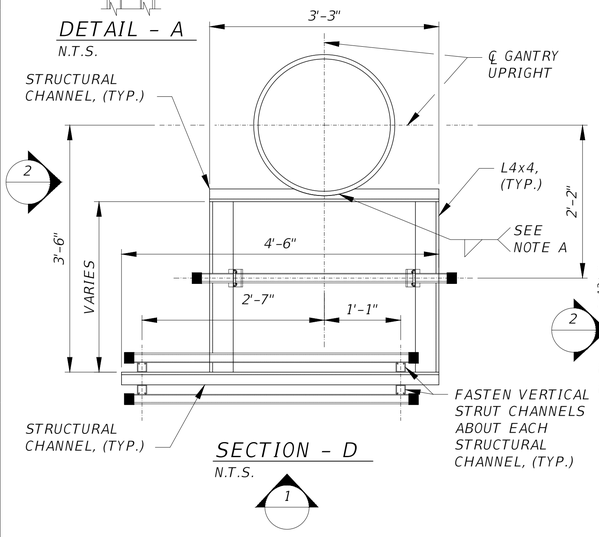
NOTES:
1. SEE ELECTRICAL SHEETS FOR WIREWAY ATTACHMENT TO ANGLES.



SECTION - B
N.T.S.



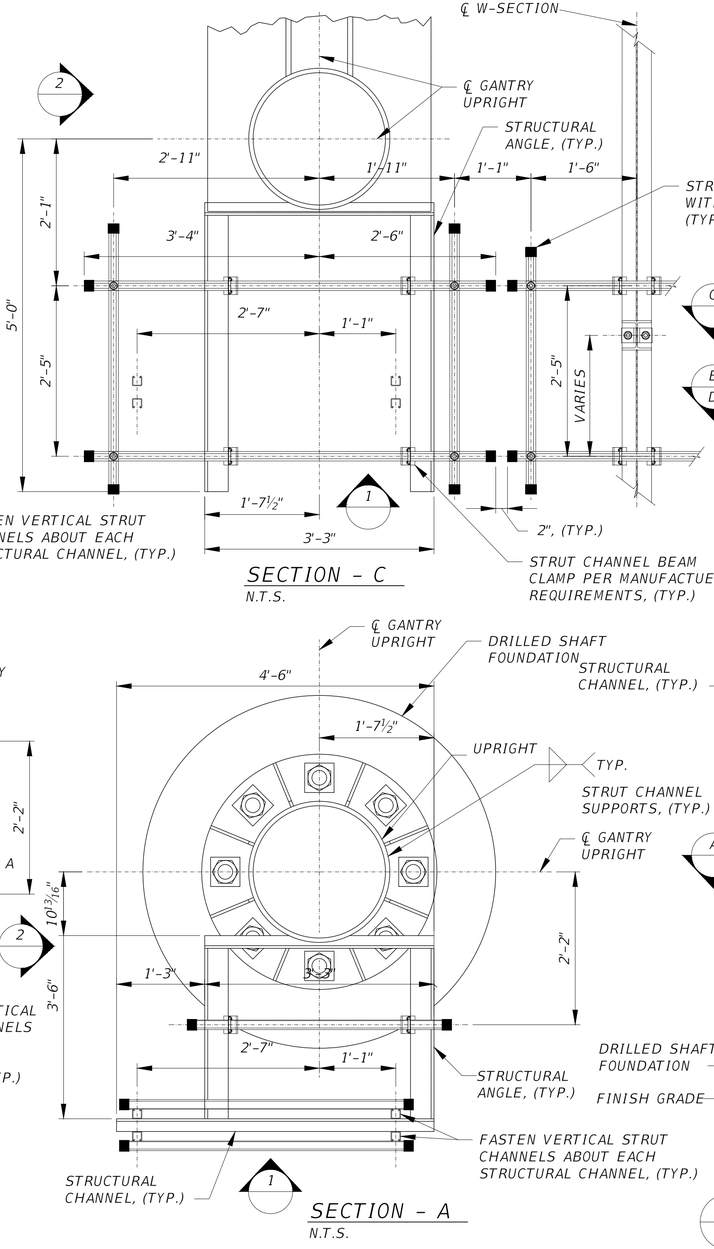
DETAIL - A
N.T.S.



SECTION - D
N.T.S.

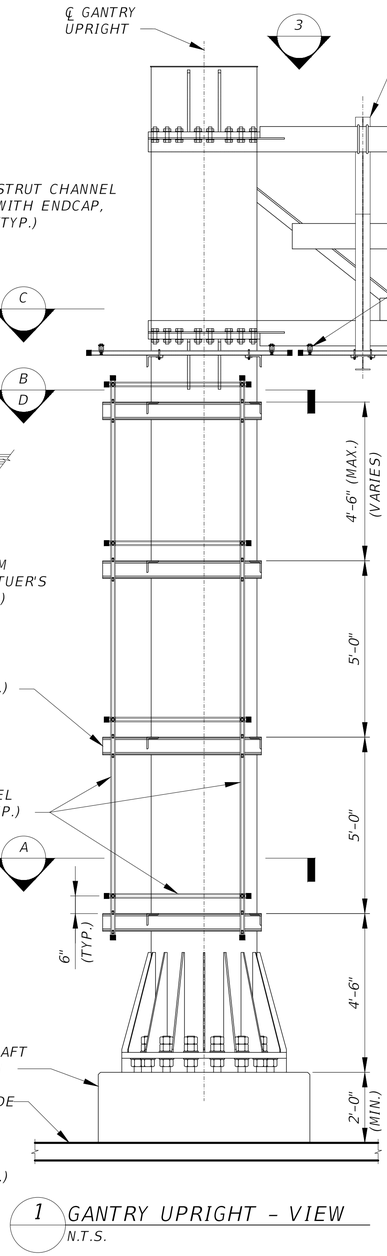
NOTE A:

WELD TOP AND BOTTOM FLANGES OF STRUCTURAL CHANNEL TO FACE OF UPRIGHT.

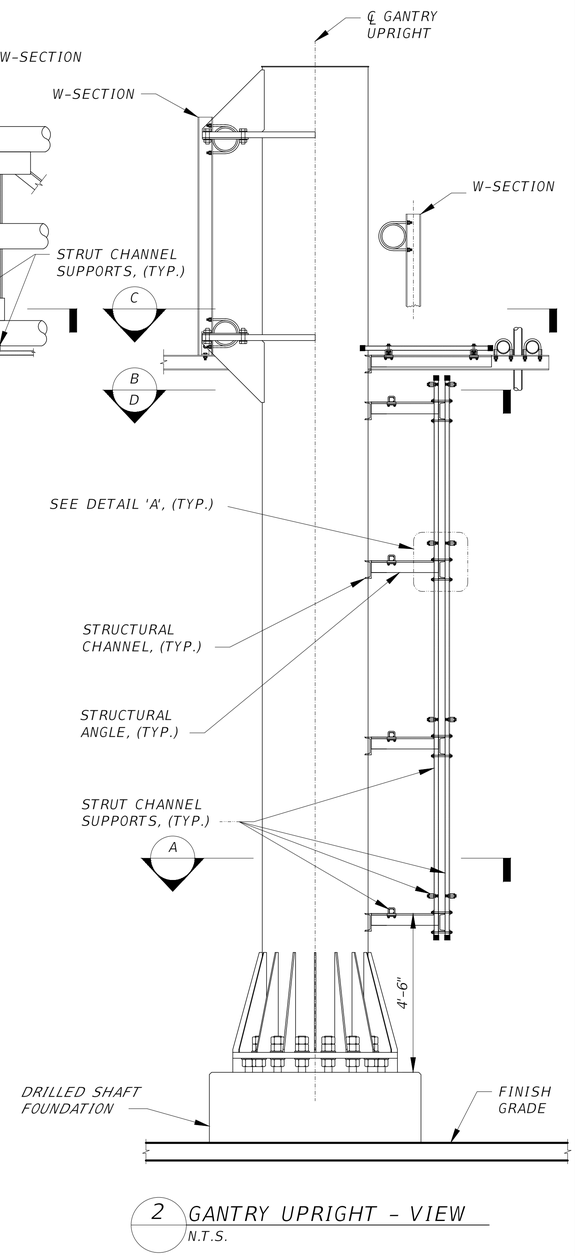


SECTION - C
N.T.S.

SECTION - A
N.T.S.



1 GANTRY UPRIGHT - VIEW
N.T.S.



2 GANTRY UPRIGHT - VIEW
N.T.S.

WIREWAY MOUNTING DATA TABLE

LOCATION	ELEVATION 'A' (ft)
LEFT UPRIGHT	28.4
RIGHT UPRIGHT	28.4

NO.	DATE	REVISION	DR	CHK	APVD	BY
DSGN	T. BRAXMEIER		J. WINKELMANN	B. ROWAN		

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

STRUCTURAL
GANTRY
WIREWAY MOUNTING DETAILS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	S-590
SHEET	75 of 79

100% DESIGN DOCUMENTS

REUSE OF DOCUMENTS: THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.

©JACOBS 2024. ALL RIGHTS RESERVED.

SPAN STRUCTURE TOLLING EQUIPMENT DATA TABLE

Table Date 01-01-11

GANTRY #	STATION	DIMENSIONS			PNLS	MEMBER SIZES					SPLICE		
		A	B	C	D	E	F (CHORD)	G (WEB)	H (LEFT UPRIGHT)	J (RIGHT UPRIGHT)	K (CAMBER)	SA	SB	SC
		ft	ft	ft	#	in	O. D. x Wall Thk. (in)	Angle (in)	O. D. x Wall Thk. (in)	O. D. x Wall Thk. (in)	in	Angle (in)	#	in
1	SEE S-100	66	20.17	23.83	9	72	5.563 x 0.375	L4x4x1/2	24.00 x 0.375	24.00 x 0.375	3/4	L5x5x1/2	6	7/8

SPAN STRUCTURE TOLLING EQUIPMENT DATA TABLE (CONT.)

Table Date 01-01-11

GANTRY #	ALTERNATE SPLICE						GUSSET PLATES																			
	PA	PB	PC	PD	PE	PF	GA	GB	GC		GD		GE		GF		GG		GH		GJ		GK		GL
	in	in	in	in	in	#	in	in	ft	in	ft	in	ft	in	ft	in	ft	in	ft	in	ft	in	ft	in	in
1	1 3/8	2	5/16	3/8	1	9	1/2	3/4	1	2-1/4	0	7	1	0	0	6	1	11	0	9-1/4	0	8-1/4	0	9-1/4	3/16

SPAN STRUCTURE TOLLING EQUIPMENT DATA TABLE (CONT.)

Table Date 01-01-11

GANTRY #	LEFT UPRIGHT CONNECTION								RIGHT UPRIGHT CONNECTION							
	LA	LB	LC	LD	LE	LF	LG	LH	RA	RB	RC	RD	RE	RF	RG	RH
	in	#	in	in	in	in	in	in	in	#	in	in	in	in	in	in
1	7/8	8	1/2	1/2	3/16	3/16	3/16	3/16	7/8	8	1/2	1/2	3/16	3/16	3/16	3/16

SPAN STRUCTURE TOLLING EQUIPMENT DATA TABLE (CONT.)

Table Date 01-01-11

GANTRY #	LEFT BASE CONNECTION										RIGHT BASE CONNECTION									
	BA	BB	BC	BD	BE		BF	BG	BH	BJ	CA	CB	CC	CD	CE		CF	CG	CH	CJ
	in	#	in	in	ft	in	in	in	in	in	in	#	in	in	ft	in	in	in	in	in
1	2	8	2	1/2	2	3-1/4	5/16	5/16	5/16	3/16	2	8	2	1/2	2	3-1/4	5/16	5/16	3/8	3/16

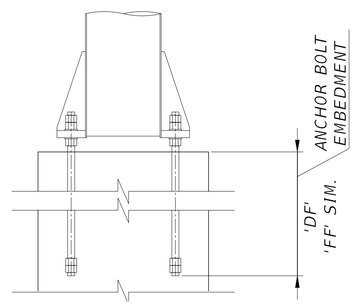
SPAN STRUCTURE TOLLING EQUIPMENT DATA TABLE (CONT.)

Table Date 01-01-11

GANTRY #	LEFT DRILLED SHAFT							RIGHT DRILLED SHAFT								
	DA		DB		DC	DD	DE	FA		FB		FC	FD	FE	DF	FF
	ft	in	ft	in	# / size	#	in	ft	in	ft	in	# / size	#	in	in	in
1	19	8	5	0	19 #11	6	8	19	0	5	0	19 #11	6	8	40	40

NOTES:
1. Work these Data Tables with Index 11320 & Index 700-041.
2. Design Wind Speed = 173 mph
3. Erection is the Contractor's responsibility. To facilitate erection, the Contractor should consider using two vertical lift points, each located near a panel point approximately 20 to 25% of the truss length from each end.
4. 'DC' and 'FC' shall include quantity and size of reinforcing steel.

FOUNDATION NOTES:
1. Soil borings performed by Larry M. Jacobs and Associates, Inc. See Letter Report of Geotechnical Exploration, LMJ File # 25-227, dated August 13, 2025.
2. The estimated soil parameters used in design of foundations:
   - Right Drilled Shaft: Φ = 28°, γ= 55 pcf
   - Left Drilled Shaft: Φ = 28°, γ= 55 pcf



MODIFIED FDOT STANDARD INDEX 11320 SECTION A-A

NO.	DATE	DSGN	REVISION	BY	APVD
		T. BRAXMEIER	DR	J. WINKELMANN	CHK	B. ROWAN	APVD

©JACOBS 2024. ALL RIGHTS RESERVED.
THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF JACOBS AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF JACOBS.
REUSE OF DOCUMENTS:

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

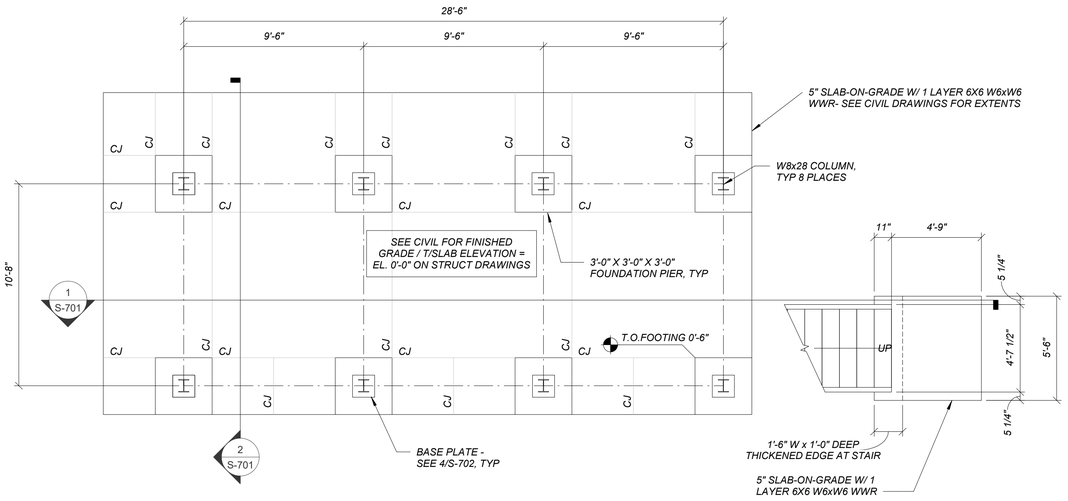
Jacobs

STRUCTURAL
GANTRY
STRUCTURE DATA TABLES

100% DESIGN DOCUMENTS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	S-600
SHEET	76 of 79



1 FOUNDATION PLAN
1/4" = 1'-0"

TOP OF STEEL EL = +5'-2" UNO

2 FRAMING PLAN
1/4" = 1'-0"

EQUIPMENT PLATFORM STRUCTURAL GENERAL NOTES

DESIGN CODES
1. 2023 Florida Building Code (FBC)
2. ASCE 7-22 Minimum Design Loads For Buildings andOther Structures
3. ACI 318-19 Building Code Requirements for Structural Concrete and Commentary
4. AISC Steel Construction Manual, 15th Edition
5. Florida Department of Transportation Standard Plans FY 2025-26
6. Florida Department of Transportation Standard Specifications for Road and Bridge Construction FY 2025-26
7. Other Work not specifically addressed in Florida Department of Transportation Standards must be performed in conformance with the Technical Special Provisions

DESIGN LOADS
1. Dead Loads
   - A. Welded Steel Bar Grating - 12 psf
   - B. Conduit / Misc Equipment - 10 psf
   - C. Equipment Cabinet - 2000 lbs
2. Live Loads
   - A, Platform - 125 psf
3. Wind Loads
   - A. Risk Category - I
   - B. Ultimate Design Wind Speed, V_{ULT} - 173 mph
   - C. Nominal Design Wind Speed, V_{ASD} - 134 mph
   - D. Exposure Category - C
   - E. Enclosure Classification - Open

GENERAL REQUIREMENTS
1. All dimensions, elevations, and existing conditions shall be field verified prior to start of construction. Notify Engineer of any discrepancies, inconsistencies or other items requiring clarification.
2. Coordinate piping, conduits, and other work of other discplines embedded or passing through openings in concrete or structural steel Work items with appropriate specialty subcontractors, shop drawings, and drawings of other discplines prior to placement of concrete reinforcement, pouring of cast-in-place concrete, or erection of steel.
3. Coordinate Work show on Structural darwings with Civil, Roadway, ITS, and other disciplines for locations of drains, slopes, sleeve requirements, anchor bolts, blockouts, etc. Notify Engineer of any discrepancies, inconsistencies or other items requiring clarification prior to procedding with the Work.
4. Do not scale Structural drawings.
5. Shop drawings must be prepared and submitted for review and approval by the Engineer prior to commencement of fabrication and/or construction of the following:
   - A. Steel reinforcement for concrete construction
   - B. Structural Steel
   - C. Miscellaneous Steel items, bar gratings, stairs and railings, etc.
   - D. Concrete Mix Design
6. Design and implementation of dewatering systems is the sole responsibilty of the contractor as part of the Means & Methods of Construction. Develop and maintain all necessary precautionary measures to prevent uplift or flotation of structures and other items of the Work until all backfill has been placed and compacted.
7. Verify & coordinate all underground utilities prior to commencement of the Work. Protect existing utilities throughout the performance of all excavation and construction activities.
8. Do not cut structural members for pipes, ducts, etc., unless otherwise noted. Obtain prior approval for installation of any pipes, conduits, ducts, etc. Notify the Engineer when drawings of other disciplines show openings, pockets, etc. not shown on the structural drawings, but which are in conflict with structural members.
9. Work shown on these drawings represent the finished structure. The Contractor is solely responsible for all Means & Methods of Construction, including, but not limited to, the design & implementation of all shoring, temporary bracing, temporary lateral bracing, excavation bracing & shoring, formwork, scaffolding, etc. Qualified Professional Engineers licensed in the state of Florida and working in the employ of the Contractor shall be utilized for the design of such systems and associated components.

FOUNDATIONS
1. Shallow foundations supporting the equipment platform are designed based upon a presumptive allowable bearing pressure of 2000 psf. All site preparation and coompaction must be perfomred under the direction of a qualified Professional Geotechnical Engineer.
2. Fill materials shall conform to FDOT Standard Specification 455-30.
3. Place fill in level lifts not exceeding 6 inches in thickness prior to compaction. Compact each lift to at least 95 percent of the modified Proctor maximum dry density (FM 1-T180, Method D). Fill & compaction operations shall continue in lifts untail final subgrade elevations are achieved.
4. Excavate, fill and compact subgrade to a depth of at least 2 feet below the proposed bottom of footing elevation and for a minimum of 2 feet horizontally beyond the edge of footing in all directions. Compact fill to a minimum of 95 percent of the modified Proctor maximum dry density (FM 1-T180, Method D).

CONCRETE
1. Concrete work at equipment platform shall be inaccordance with ACI 301-20.
2. Provide cast-in-place concrete per the following:

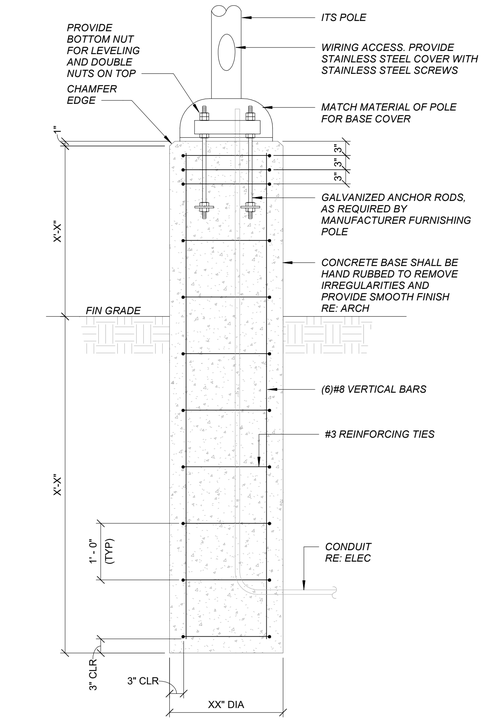
CAST-IN-PLACE CONCRETE PROPERTIES				
LOCATION	MIN 28-DAY COMRESSIVE STRENGTH	SLUMP	MAXIMUM WATER/CEMENT RATIO	MAXIMUM AGGREGATE SIZE
FOUNDATIONS	4000 PSI	4" +/- 1"	0.45	3/4"
SLAB-ON-GRADE	4000 PSI	4" MAX	0.45	3/4"

3. Pea rock pump mixes shall not be permitted.
4. Submit Concrete Mix Designs for review and approval per the following:
   - A. Clearly label each mix to indicate intended location (footings, slab-on-grade, etc.)
   - B. Design and document proposed mix designs in accordance with ACI 301-20. Include all supportinmg data for each mix, clearly labeled.
   - C. Submit separate mxi designs for each class of concrete to be provided.
5. Engage a certified Testing Agency to perform Industry Standard Testing including slump tests, placement temperature, strength tests, etc. to ensure conformance with plans and specifications. Submit test results to Escambia County and Engineer.
6. Admixtures for cast-in-place concrete shall be in accoprdance with ACI 301-20 and ACI 318-19. Admixtures containing chlorides shall not be permitted.
7. Provide 1/2-inch chamfered edge at all exposed corners unless noted otherwise.
8. Provide sufficient vibration for consolidation without segregation and implement temperature control measures as required to ensure soundness & mitigate deficiencies.
9. Repair surface defects, including spalls, popouts, honeycombs, rock pockets, crazing, and cracks in excess of 0.01 inch wide or that penetrate to reinforcement or completely through unreinforced sections regardless of width.
   - A. Repair defective areas, except random cracks and single holes 1 inch or less in diameter, by cutting out and replacing with fresh concrete.
     1) Remove defective areas with clean, square cuts, and expose steel reinforcement with at least a 3/4-inch clearance all around.
     2) Dampen concrete surfaces in contact with patching concrete and apply bonding agent
     3) Mix patching concrete of same materials and mixture as original concrete, except without coarse aggregate.
     4) Place, compact, and finish to blend with adjacent finished concrete.
     5) Cure in same manner as adjacent concrete.
   - B. Repair random cracks and single holes 1 inch or less in diameter with patching mortar.
     1) Groove top of cracks and cut out holes to sound concrete, and clean off dust, dirt, and loose particles.
     2) Dampen cleaned concrete surfaces and apply bonding agent.
     3) Place patching mortar before bonding agent has dried.
     4) Compact patching mortar and finish to match adjacent concrete.
     5) Keep patched area continuously moist for at least 72 hours.
   - C. Perform structural repairs of concrete, subject to Engineer's approval, using epoxy adhesive and patching mortar.

CONCRETE REINFORCEMENT
1. Deformed bar reinforcement for concrete shall conform to ASTM, Grade 60. Welded wire reinforcment shall conform to ASTM A1064 and fabricated in flat sheets. All reinforcment for concrete shall be domestically produced.
2. Place reinforcement with bar supports per CRSI Manual of Standard Practice (latest edition).
3. Prepare shop drawings in accordance with ACI Detailing Manual SP-66 (latest edition). Submit for review and approval prior to fabrication.
4. Provide concrete clear cover for reinforcement as follows:
   - A. Concrete cast against and permanently exposed to earth - 3"
   - B. Concrete exposed to earth or weather
     - a. #5 bars and smaller - 1 1/2"
     - b. #6 bars and larger - 3"

STRUCTURAL STEEL

1. Provide domestically produced steel sections and materials in accordance with the following:
   - A. Plates and Bars
     - a. Connecting Elements - ASTM A572, Gr 50 (Fy = 50 ksi)
     - b. All other Applications - ASTM A36 (Fy = 36 ksi)
   - B. Angles - ASTM A572, Gr 50 (Fy = 50 ksi)
   - C. Wide Flanges and Channels - ASTM A992 (Fy = 50 ksi)
   - D. Pipes - ASTM A53, Gr B (Fy = 35 ksi)
   - E. Round & Rectangular HSS - ASTM A500, Gr C (Fy = 50 ksi)
   - F. High-Strength Bolts - ASTM F3125, Gr A325 (Fu = 120 ksi)
   - G. Anchor Rods - ASTM F1554, Gr 55 (Fu = 75 ksi)
   - H. Threaded Rods - ASTM A36 (Fy = 36 ksi)
   - I. Welding Electrodes - E70XX for A36 steel (min) & SMAW process or its equivalent, matching weld metal for other steel grades and processe
2. Bolted connections shall be made with 3/4"Ø minimum A325-N bolts unless noted otherwise. All bolted connection shall have a minimum of (2) bolts through each connected part.
3. All welding shall be in accordance with the latest AWS and AISC specifications and peformed by welders currently certified per AWS procedures. Welds shall be prequalified in accordance with AWS D1.1.
4. Provide welded and galvanized steel bar grating in compliance with NAAMM MBG-531.
5. All structural steel elements shall be hot-dipped galvanized in accordance with the standards listed below. Refer to dawing S-001 for high-performance coating and additional requirements.
   - A. Nuts, bolts & washers - ASTM A153, Class C
   - B. All other steel items - ASTM A123



NOTE:

1. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

3 TYPICAL ITS POLE BASE DETAIL
NTS

NO.	DSGN	DATE	DR	REVISION	CHK	BY	APVD
	T. BRAXMEIER		P. HOLDEN		B. ROWAN		

© JACOBS 2024. ALL RIGHTS RESERVED.

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

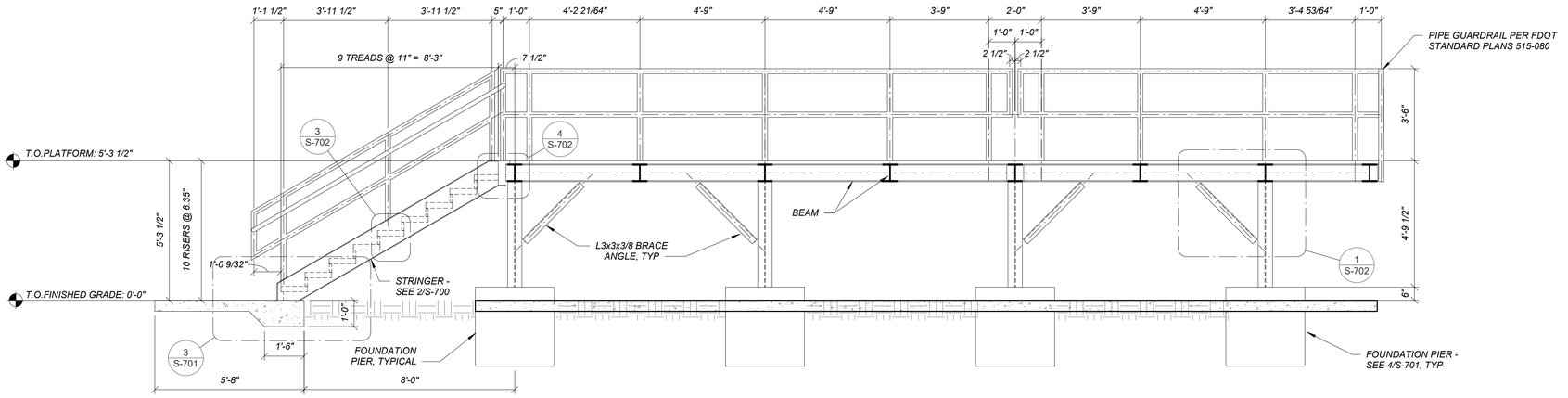
STRUCTURAL

EQUIPMENT PLATFORM PLANS

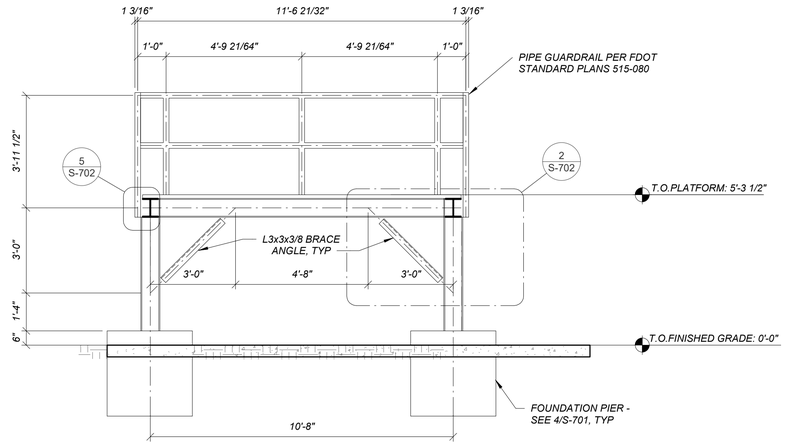
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	S-700
SHEET	77 of 79

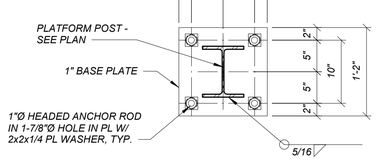
100% DESIGN DOCUMENTS



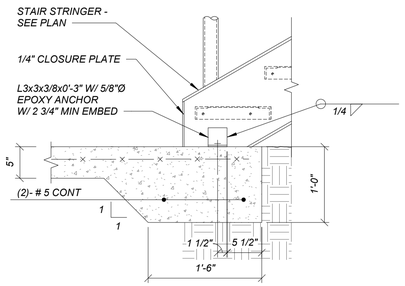
1 LONGITUDINAL SECTION
3/8" = 1'-0"



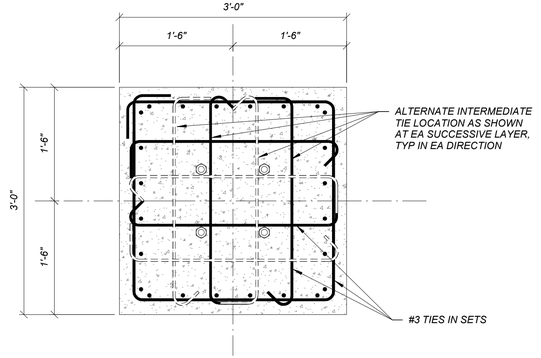
2 TRANSVERSE SECTION
3/8" = 1'-0"



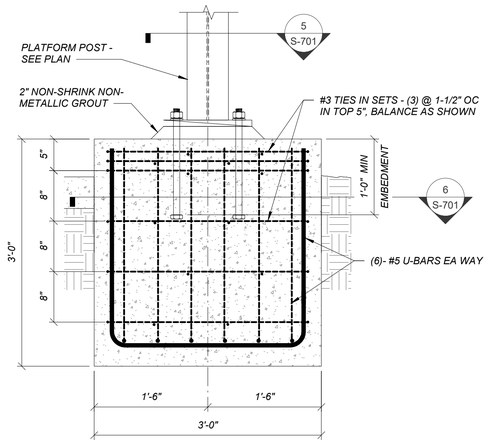
5 BASEPLATE DETAIL
1" = 1'-0"



3 STAIR ANCHORAGE DETAIL
1" = 1'-0"



6 FOUNDATION PIER PLAN SECTION
1" = 1'-0"



4 TYPICAL FOUNDATION PIER AT EQUIPMENT PLATFORM
1" = 1'-0"

© JACOBS 2024. ALL RIGHTS RESERVED.

NO.	DATE	REVISION	DR	CHK	BY	APVD
DSGN	T. BRAXMEIER		P. HOLDEN	B. ROWAN		APVD

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

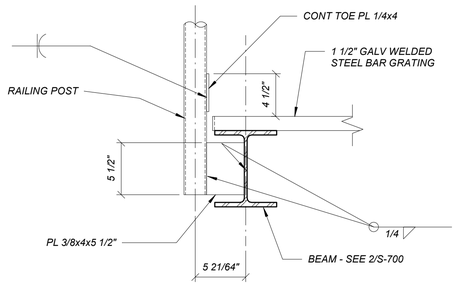
STRUCTURAL

EQUIPMENT PLATFORM SECTIONS & DETAILS

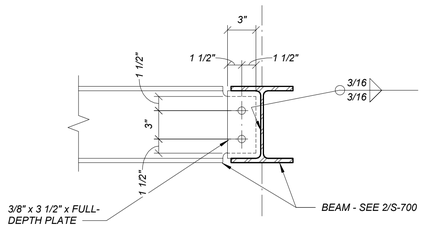
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	S-701
SHEET	78 of 79

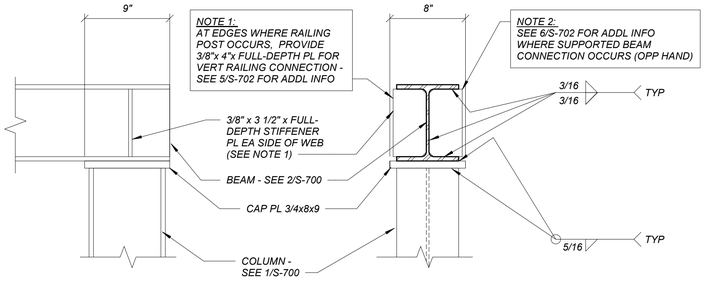
100% DESIGN DOCUMENTS



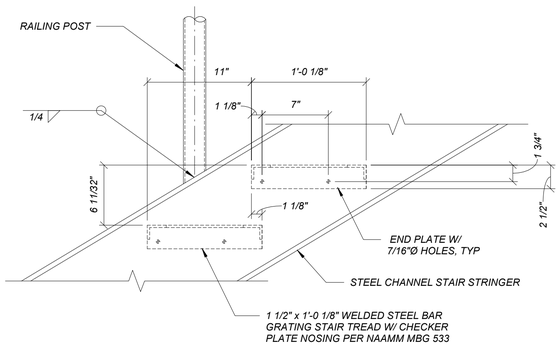
5 RAILING CONNECTION DETAIL
1 1/2" = 1'-0"



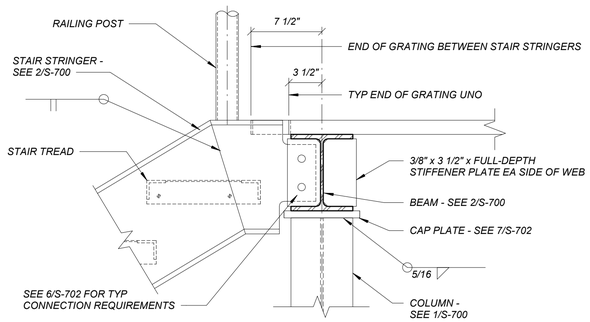
6 BEAM-TO-BEAM CONNECTION DETAIL
1 1/2" = 1'-0"



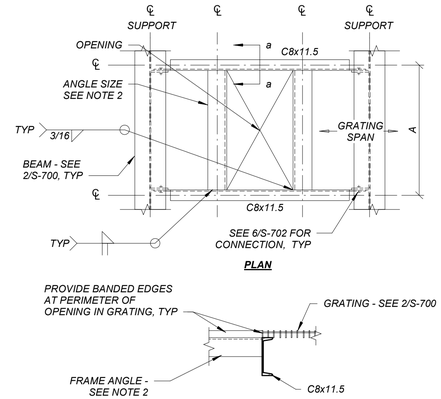
7 CAP PLATE DETAILS
1 1/2" = 1'-0"



3 STAIR STRINGER DETAIL
1 1/2" = 1'-0"

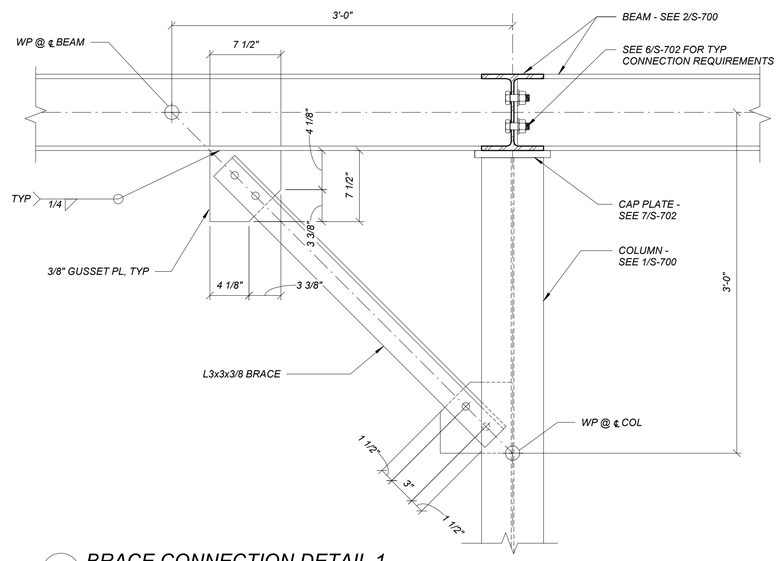


4 STAIR CONNECTION DETAIL
1 1/2" = 1'-0"

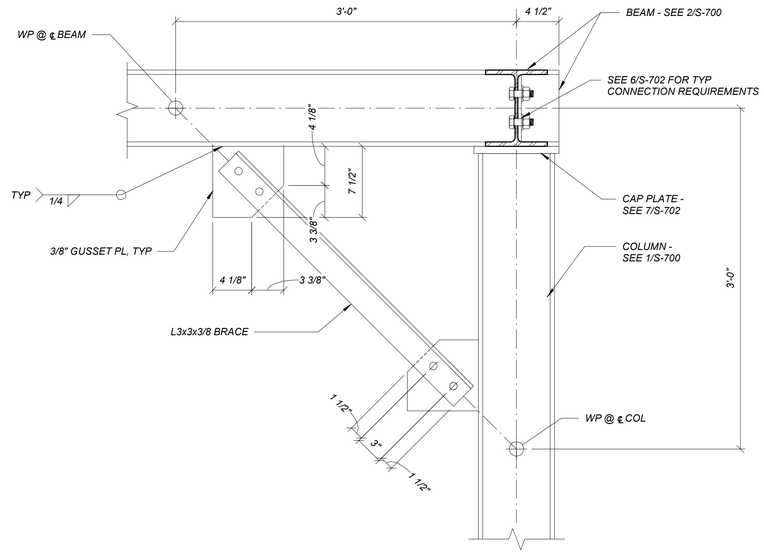


NOTES:
1. COORD SIZE AND LOCATION OF OPENING AND FRAME W/ ACTUAL EQUIPMENT FURNISHED
2. FRAME ANGLE SIZES: (BASED ON SPAN A DIMENSION)
   0' - 0" TO 2' - 0" = L3x3x1/4"
   2' - 0" TO 5' - 0" = L4x3 1/2x5/16" LLV
   5' - 0" TO 10' - 0" = L5x3 1/2x3/8" LLV

8 FRAMING AT OPENING IN GRATING
NTS



1 BRACE CONNECTION DETAIL 1
1 1/2" = 1'-0"



2 BRACE CONNECTION DETAIL 2
1 1/2" = 1'-0"

© JACOBS 2024. ALL RIGHTS RESERVED.

NO.	DATE	DSGN	DR	REVISION	CHK	BY	APVD
		T. BRAXMEIER	P. HOLDEN		B. ROWAN		APVD

PENSACOLA BEACH GATEWAY
(TOLL PLAZA REPLACEMENT AND ENHANCEMENTS)
BOARD OF COUNTY COMMISSIONERS
ESCAMBIA COUNTY, FLORIDA

Jacobs

STRUCTURAL

EQUIPMENT PLATFORM
SECTIONS & DETAILS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	SEPT 2025
PROJ	D3971300
DWG	S-702
SHEET	79 of 79

100% DESIGN DOCUMENTS