

SITE DEVELOPMENT PLANS

FOR

SUNCOAST TECHNICAL COLLEGE

COMMERCIAL OUTPARCELS

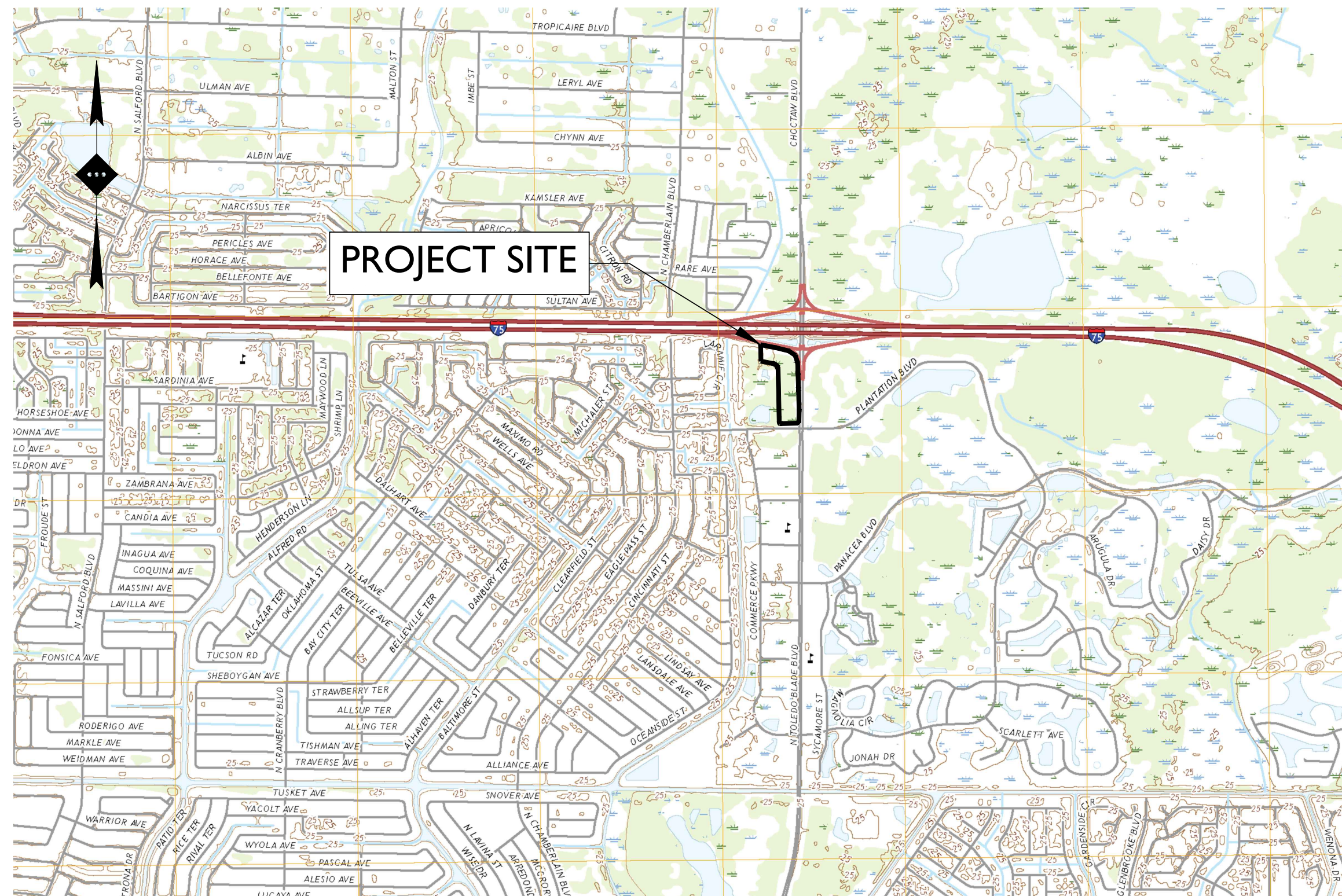
SUNCOAST TECHNICAL COLLEGE COMMERCIAL SUBDIVISION, LOT 1, 2, 3, 4 & 5
 4300 CAREER LANE
 CITY OF NORTH PORT
 SARASOTA COUNTY, FLORIDA

APPLICANT

J&J DEVELOPMENT GROUP
 701 EAST ROUTE 70
 MARLTON, NJ 08053
 856.988.8770
 JIM@J-DEVELOPMENT.COM

OWNER

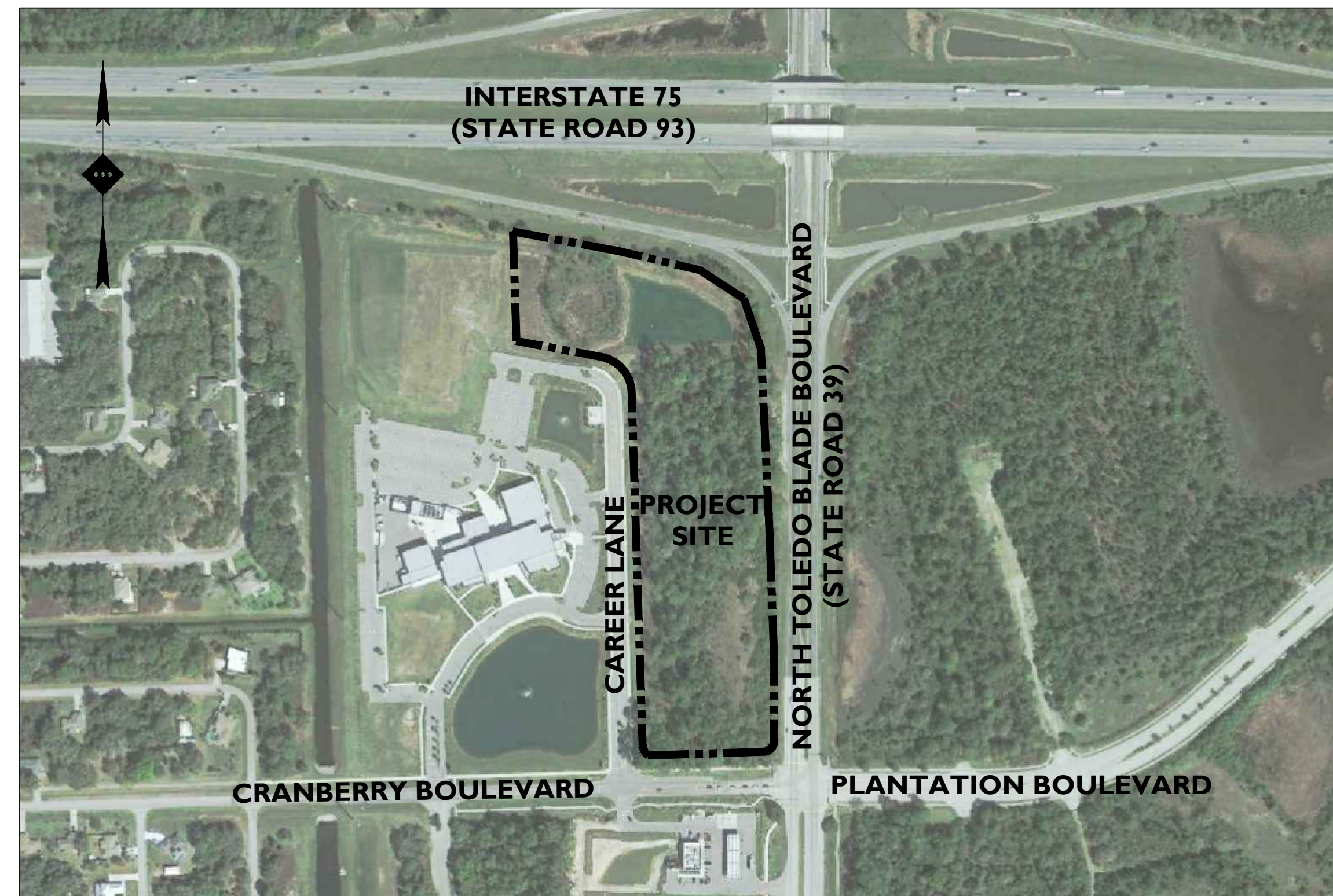
TOLEDO BLADE PARTNERS, LLC
 701 EAST ROUTE 70
 MARLTON, NJ 08053
 856.988.8770
 JIM@J-DEVELOPMENT.COM



SOURCE: UNITED STATES GEOLOGICAL SURVEY QUADRANGLE MAPS, 7.5 SERIES, MURDOCK, FL, DATED 2021

LOCATION / KEY MAP

SCALE: 1" = 2,000'±



SOURCE: GOOGLE EARTH PRO, DATED 08/20/2021

AERIAL MAP

SCALE: 1" = 300'±

PLANS PREPARED BY:



Rutherford, NJ · New York, NY · Boston, MA
 Princeton, NJ · Tampa, FL · Detroit, MI
 www.stonefieldeng.com

Headquarters: 92 Park Avenue, Rutherford, NJ 07070
 Phone 201.340.4468 · Fax 201.340.4472

PLAN REFERENCE MATERIALS:

- THIS PLAN SET REFERENCES THE FOLLOWING DOCUMENTS INCLUDING, BUT NOT LIMITED TO:
 - ALTAIR'S LAND TITLE SURVEY AND TOPOGRAPHIC WAS COMPLETED BY LANDCO, L.P. DATED 03/10/2021.
 - PRELIMINARY REPLAT WAS COMPLETED BY LANDCO, L.P. DATED 07/29/2021.
 - UNITED STATES GEOLOGICAL SURVEY QUADRANGLE MAPS, 7.5 SERIES, MURDOCK, FL, DATED 2021
 - AERIAL MAP OBTAINED FROM GOOGLE EARTH PRO, DATED 08/20/2021.
- ALL REFERENCE MATERIAL LISTED ABOVE SHALL BE CONSIDERED A PART OF THIS PLAN SET AND ALL INFORMATION CONTAINED WITHIN THESE MATERIALS SHALL BE UTILIZED IN CONJUNCTION WITH THIS PLAN SET. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN A COPY OF EACH REFERENCE AND REVIEW IT THOROUGHLY PRIOR TO THE START OF CONSTRUCTION.

SHEET INDEX

DRAWING TITLE	SHEET #
COVER SHEET	C-1.0
DEMOLITION PLAN (1)	C-2.0
DEMOLITION PLAN (2)	C-2.1
MASTER SITE PLAN	C-3.0
SITE PLAN (1)	C-3.1
SITE PLAN (2)	C-3.2
GRADING PLAN (1)	C-4.0
GRADING PLAN (2)	C-4.1
GRADING PLAN (3)	C-4.2
UTILITY PLAN	C-5.0
CONSTRUCTION DETAILS (1-10)	C-6.0-6.9



Know what's below
 Call before you dig.

ISSUE	DATE	BY	DESCRIPTION
05	01/17/2023	AKH	FOR MUNICIPAL RESUBMISSION
04	12/14/2022	KLS	FOR MUNICIPAL RESUBMISSION
03	07/08/2022	ARD	CITY OF NORTH PORT COMMENTS
02	08/31/2021	ARD	FOR CITY OF NORTH PORT REVIEW
01	02/10/2021	EBB	FOR CLIENT REVIEW

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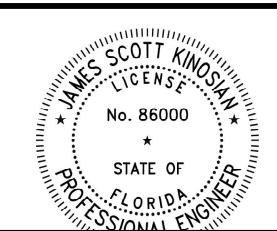
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SITE DEVELOPMENT PLANS

SUNCOAST TECHNICAL COLLEGE COMMERCIAL OUTPARCELS

SUNCOAST TECHNICAL COLLEGE COMMERCIAL SUBDIVISION, LOT 1-5
 4300 CAREER LANE
 CITY OF NORTH PORT
 SARASOTA COUNTY, FLORIDA



JAMES S. KINOSHIAN, P.E.
 FLORIDA LICENSE NO. 86000
 LICENSED PROFESSIONAL ENGINEER
 FLORIDA BUSINESS CERT. - CP AUTH. NO. 30078



SCALE: AS SHOWN PROJECT ID: F-19029

TITLE:
COVER SHEET

DRAWING:
C-1.0

DEMOLITION NOTES

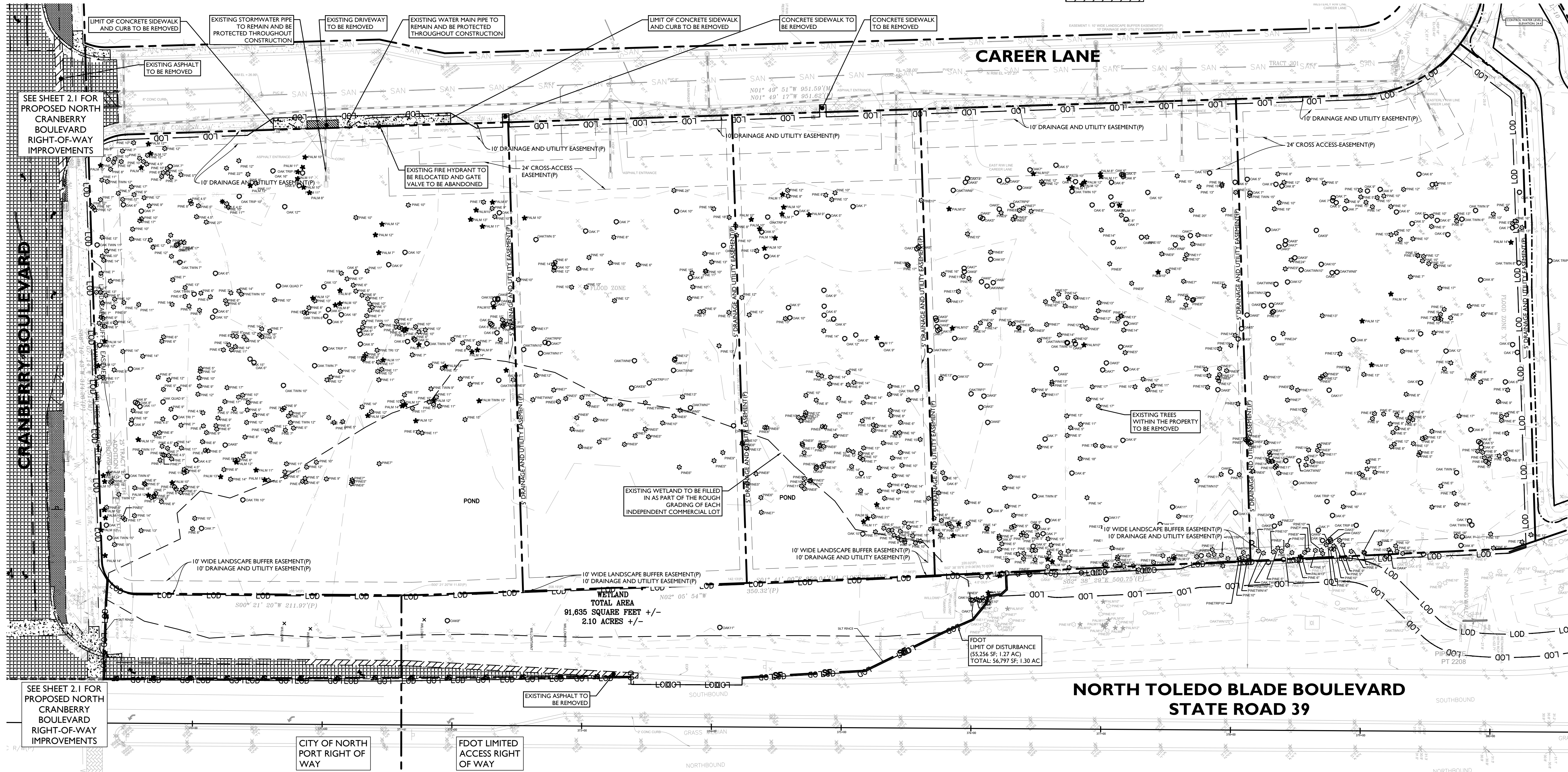
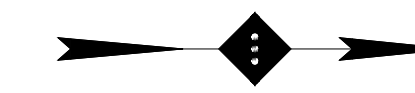
1. THE WORK REFLECTED ON THE DEMOLITION PLAN IS TO PROVIDE GENERAL INFORMATION TOWARDS THE EXISTING ITEMS TO BE DEMOLISHED AND/OR REMOVED. THE CONTRACTOR IS RESPONSIBLE TO REVIEW THE ENTIRE PLAN SET AND ASSOCIATED REPORTS/REFERENCE DOCUMENTS INCLUDING ALL DEMOLITION ACTIVITIES AND INCIDENTAL TASKS NECESSARY TO COMPLETE THE SITE IMPROVEMENTS.
2. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE MEANS AND METHODS OF DEMOLITION ACTIVITIES.
3. EXPLOSIVES SHALL NOT BE USED UNLESS WRITTEN CONSENT FROM BOTH THE OWNER AND ANY APPLICABLE GOVERNING AGENCY IS OBTAINED. BEFORE THE START OF ANY EXPLOSIVE PROGRAM, THE CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL LOCAL, STATE, AND FEDERAL PERMITS. ADDITIONALLY, THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL SEISMIC TESTING AS REQUIRED AND ANY DAMAGES AS THE RESULT OF SAID DEMOLITION PRACTICES.
4. ALL DEMOLITION ACTIVITIES SHALL BE PERFORMED IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL CODES. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL UTILITIES ARE DISCONNECTED IN ACCORDANCE WITH THE UTILITY AUTHORITY'S REQUIREMENTS PRIOR TO STARTING THE DEMOLITION OF ANY STRUCTURE. ALL EXCAVATIONS ASSOCIATED WITH DEMOLISHED STRUCTURES OR REMOVED TANKS SHALL BE BACKFILLED WITH SUITABLE MATERIAL AND COMPACTED TO SUPPORT SITE AND BUILDING IMPROVEMENTS. A GEOTECHNICAL ENGINEER SHOULD BE PRESENT DURING BACKFILLING ACTIVITIES TO OBSERVE AND CERTIFY THAT BACKFILL MATERIAL WAS COMPACTED TO A SUITABLE CONDITION.
5. ALL DEMOLISHED DEBRIS SHALL NOT BE BURIED ON SITE. ALL WASTES/DEBRIS GENERATED FROM DEMOLITION ACTIVITIES SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN ALL RECORDS OF THE DISPOSAL TO DEMONSTRATE COMPLIANCE WITH THE ABOVE REGULATIONS.

ALL SITE FEATURES WITHIN THE LIMIT OF DISTURBANCE INDICATED ON THIS PLAN ARE TO BE REMOVED / DEMOLISHED UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IF SIGNIFICANT DISCREPANCIES ARE DISCERNED BETWEEN THIS PLAN AND FIELD CONDITIONS



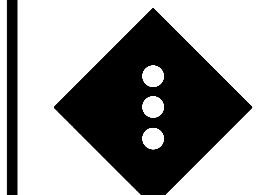
Know what's below
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SYMBOL	DESCRIPTION
---	FEATURE TO BE REMOVED / DEMOLISHED
---	LOD
---	PROPERTY LINE
---	EXISTING WETLAND LINE
---	EXISTING WETLAND TREELINE
---	MILL AND OVERLAY
---	GRASS TO BE REMOVED
---	FULL DEPTH ASPHALT REMOVAL



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**SUNCOAST TECHNICAL
COLLEGE COMMERCIAL
OUTPARCELS**

SUNCOAST TECHNICAL COLLEGE COMMERCIAL SUBDIVISION, LOT 1-5
4300 CAREER LANE
CITY OF NORTH PORT
SARASOTA COUNTY, FLORIDA

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FLORIDA BUSINESS CERT. OF AUTH. NO. 30078

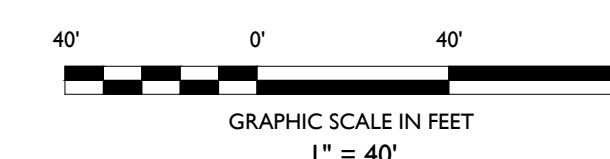
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SCALE: 1" = 40' PROJECT ID: F-19029

TITLE:
**DEMOLITION
PLAN (1)**

DRAWING:

C-2.0



GENERAL NOTES

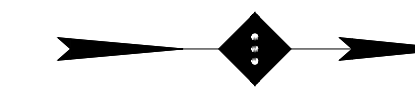
- THE CONTRACTOR SHALL VERIFY AND FAMILIARIZE THEMSELVES WITH THE EXISTING SITE CONDITIONS AND THE PROPOSED SCOPE OF WORK (INCLUDING DIMENSIONS, LAYOUT, ETC.) PRIOR TO INITIATING THE IMPROVEMENTS IDENTIFIED WITHIN THESE DOCUMENTS. SHOULD ANY DISCREPANCY BE FOUND BETWEEN THE EXISTING SITE CONDITIONS AND THE PROPOSED WORK THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND ENSURE THAT ALL REQUIRED APPROVALS HAVE BEEN OBTAINED PRIOR TO THE START OF CONSTRUCTION. COPIES OF ALL REQUIRED PERMITS AND APPROVALS SHALL BE KEPT ON SITE AT ALL TIMES DURING CONSTRUCTION.
- ALL CONTRACTORS WILL, TO THE FULLEST EXTENT PERMITTED BY LAW, INDEMNIFY AND HOLD HARMLESS STONEFIELD ENGINEERING & DESIGN, LLC. AND ITS SUB-CONSULTANTS FROM AND AGAINST ANY DAMAGES AND LIABILITIES INCLUDING ATTORNEY'S FEES ARISING OUT OF CLAIMS BY EMPLOYEES OF THE CONTRACTOR IN ADDITION TO CLAIMS CONNECTED TO THE PROJECT AS A RESULT OF NOT CARRYING THE PROPER INSURANCE FOR WORKERS COMPENSATION, LIABILITY INSURANCE, AND LIMITS OF COMMERCIAL GENERAL LIABILITY INSURANCE.
- THE CONTRACTOR SHALL NOT DEVIATE FROM THE PROPOSED IMPROVEMENTS IDENTIFIED WITHIN THIS PLAN SET UNLESS APPROVAL IS PROVIDED IN WRITING BY STONEFIELD ENGINEERING & DESIGN, LLC.
- THE CONTRACTOR IS RESPONSIBLE TO DETERMINE THE MEANS AND METHODS OF CONSTRUCTION.
- THE CONTRACTOR SHALL NOT PERFORM ANY WORK OR CAUSE DISTURBANCE ON A PRIVATE PROPERTY NOT CONTROLLED BY THE PERSON OR ENTITY WHO HAS AUTHORIZED THE WORK WITHOUT PRIOR WRITTEN CONSENT FROM THE OWNER OF THE PRIVATE PROPERTY.
- THE CONTRACTOR IS RESPONSIBLE TO RESTORE ANY DAMAGED OR UNDERMINED STRUCTURE OR SITE FEATURE THAT IS IDENTIFIED TO REMAIN ON THE PLAN SET. ALL REPAIRS SHALL USE NEW MATERIALS TO RESTORE THE FEATURE TO ITS EXISTING CONDITION AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR IS RESPONSIBLE TO PROVIDE THE APPROPRIATE SHOP DRAWINGS, PRODUCT DATA, AND OTHER REQUIRED SUBMITTALS FOR REVIEW. STONEFIELD ENGINEERING & DESIGN, LLC. WILL REVIEW THE SUBMITTALS IN ACCORDANCE WITH THE DESIGN INTENT AS REFLECTED WITHIN THE PLAN SET.
- THE CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL IN ACCORDANCE WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
- THE CONTRACTOR IS REQUIRED TO PERFORM ALL WORK IN THE PUBLIC RIGHT-OF-WAY IN ACCORDANCE WITH THE APPROPRIATE GOVERNING AUTHORITY AND SHALL BE RESPONSIBLE FOR THE PROCUREMENT OF STREET OPENING PERMITS.
- THE CONTRACTOR IS REQUIRED TO RETAIN AN OSHA CERTIFIED SAFETY INSPECTOR TO BE PRESENT ON SITE AT ALL TIMES DURING CONSTRUCTION & DEMOLITION ACTIVITIES.
- SHOULD AN EMPLOYEE OF STONEFIELD ENGINEERING & DESIGN, LLC. BE PRESENT ON SITE AT ANY TIME DURING CONSTRUCTION, IT DOES NOT RELIEVE THE CONTRACTOR OF ANY OF THE RESPONSIBILITIES AND REQUIREMENTS LISTED IN THE NOTES WITHIN THIS PLAN SET.

OUTPARCEL DEVELOPMENT NOTES

- FUTURE OUTPARCEL DEVELOPMENT SHALL FOLLOW CITY OF NORTH PORT STANDARDS AND REQUIREMENTS FOR SITE DEVELOPMENT.
- AS PART OF FUTURE OUTPARCEL DEVELOPMENT, AN ACCURATE TREE SURVEY SHALL BE PROVIDED AT THE TIME OF SITE DEVELOPMENT PERMITTING. THE TREE SURVEY SHALL INDICATE SPECIES AND DIAMETER AS WELL AS TREES TO BE PRESERVED. WHERE ANY HERITAGE TREES ARE UNABLE TO BE PRESERVED A MITIGATION FEE WILL APPLY IN ACCORDANCE WITH CITY OF NORTH PORT RELOCATIONS.
- INDEPENDENT BUILDING PERMITS SHALL BE REQUIRED FOR ANY FUTURE STRUCTURES (I.E. BUILDING, SIGNS, WALLS, FENCES, DUMPSTERS, ETC.) AS PART OF LOT DEVELOPMENT.
- AT TIME OF OUTPARCEL DEVELOPMENT, PROPOSED DUMPSTER AND COMPACTOR CORRALS, APPROACH SLABS, ETC. SHALL BE PROVIDED IN ACCORDANCE WITH CITY OF NORTH PORT SOLID WASTE REQUIREMENTS.
- AT THE TIME OF OUT PARCEL DEVELOPMENT REVIEW, PLANS SHALL INCLUDE AUTO-TURN EXHIBITS INDICATING PROPER VEHICLE CIRCULATION (I.E. REFUSE, EMERGENCY, ETC.)

SYMBOL

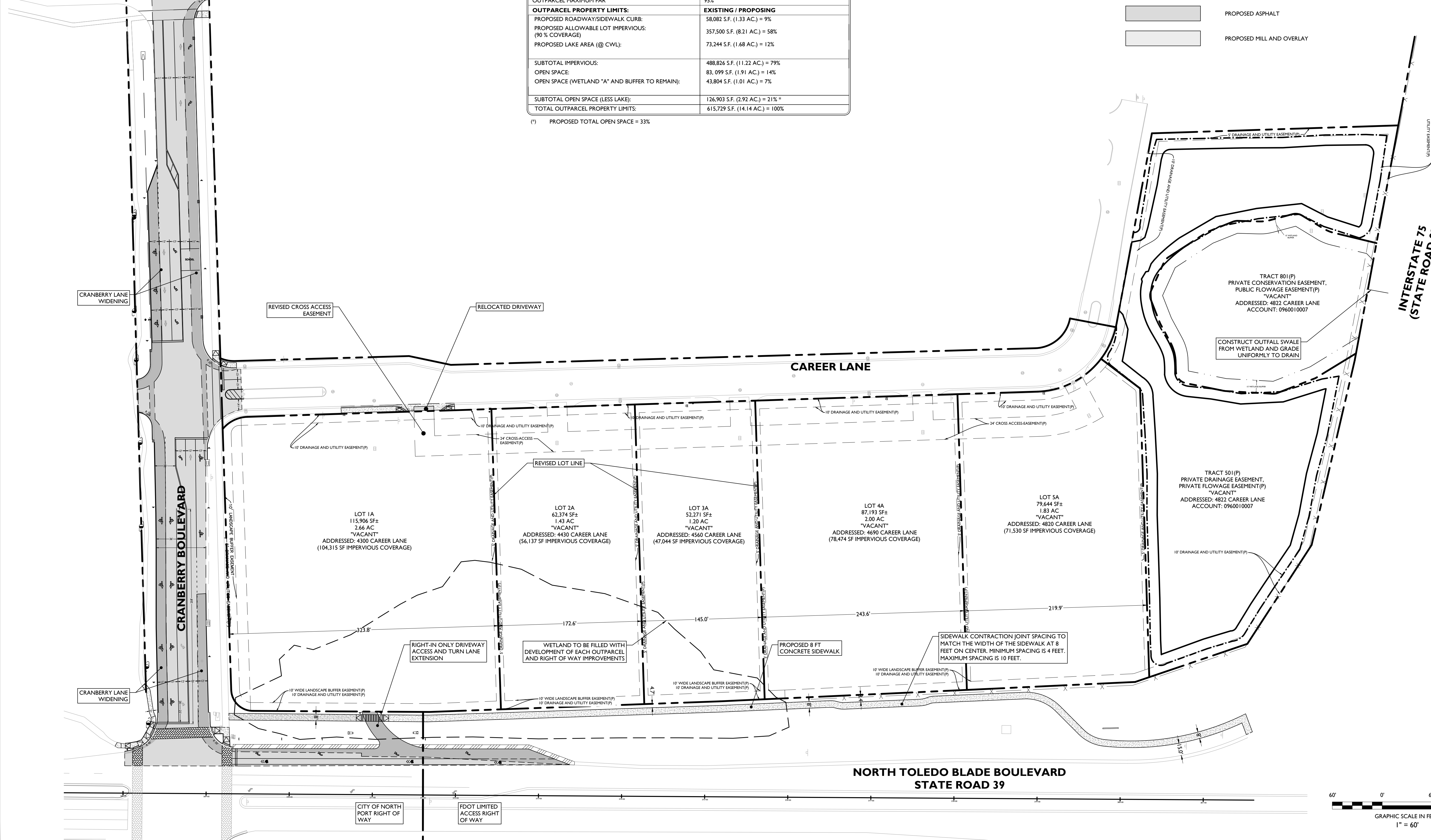
SYMBOL	DESCRIPTION
---	PROPERTY LINE
---	TOP OF BANK
---	SETBACK LINE
---	EXISTING WETLAND LINE
---	SAWCUT LINE
---	PROPOSED CURB
---	EASEMENT
---	PROPOSED CONCRETE
---	PROPOSED ASPHALT
---	PROPOSED MILL AND OVERLAY



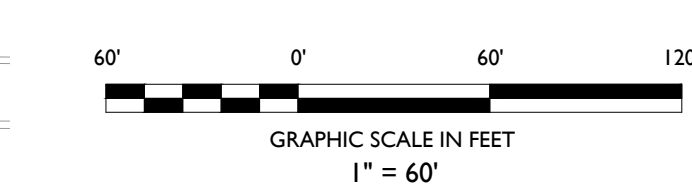
SITE DATA	
ZONING	PLANNED COMMUNITY DEVELOPMENT (PCD)
OUTPARCEL DEVELOPMENT MASTER PLAN APPROVED USES	COMMERCIAL
OUTPARCEL MAXIMUM LOT COVERAGE	50% PRINCIPAL BUILDINGS AND STRUCTURES
OUTPARCEL MAXIMUM FAR	95%
OUTPARCEL PROPERTY LIMITS:	EXISTING / PROPOSING
PROPOSED ROADWAY/SIDEWALK CURB:	38,082 S.F. (1.33 AC) = 9%
PROPOSED ALLOWABLE LOT IMPERVIOUS (90% COVERAGE)	357,500 S.F. (8.21 AC) = 58%
PROPOSED LAKE AREA (@ CWL):	73,244 S.F. (1.68 AC) = 12%
SUBTOTAL IMPERVIOUS:	488,826 S.F. (11.22 AC) = 79%
OPEN SPACE:	83, 099 S.F. (1.91 AC) = 14%
OPEN SPACE (WETLAND "A" AND BUFFER TO REMAIN):	43,804 S.F. (1.01 AC) = 7%
SUBTOTAL OPEN SPACE (LESS LAKE):	126,903 S.F. (2.92 AC) = 21%*
TOTAL OUTPARCEL PROPERTY LIMITS:	615,729 S.F. (14.14 AC) = 100%

(* PROPOSED TOTAL OPEN SPACE = 33%)

COMMERCE PARKWAY



INTERSTATE 75
(STATE ROAD 93)



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Phone: 856.889.0662

SITE DEVELOPMENT PLANS

SUNCOAST TECHNICAL COLLEGE COMMERCIAL OUTPARCELS

SUNCOAST TECHNICAL COLLEGE COMMERCIAL SUBDIVISION, LOT 1-5
4300 CAREER LANE
CITY OF NORTH PORT
SARASOTA COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE NO. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. - CP AUTH. NO. 30078

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SCALE: 1" = 60' PROJECT ID: F-19029

TITLE:
MASTER SITE PLAN

DRAWING:
C-3.0

2/24/2019 10:56 AM - NORTH CRANBERRY BLVD & TOLEDO BLADE BLVD, NORTH PORT, FLORIDA, 13/04/2019 10:56 AM - SITE PLAN

SIGNING AND PAVEMENT MARKING NOTES

1. STRIPING AND SIGNING SHALL CONFORM WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE FDOT STANDARDS INDEX DRAWINGS FOR SUCH (LATEST EDITION).
2. ALL PAVEMENT MARKINGS SHALL BE INSTALLED USING "ALKO" THERMOPLASTIC 90 MILS IN THICKNESS.
3. ALL SIGNAGE SHALL INCLUDE THE PROPER ERECTION AND HARDWARE (POSTS, BRACKETS, ETC.) IN CONFORMANCE WITH THE FDOT STANDARD.
4. ALL SIGN FACE MATERIAL SHALL MEET FDOT SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION) AND SUPPLEMENTS THERETO.
5. ALL PROPOSED SIGNS SHALL BE DESIGNED FOR 90 MPH WIND LOADING.
6. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED IN CONJUNCTION WITH ALL PROPOSED PAVEMENT MARKINGS IN ACCORDANCE WITH FDOT STANDARD INDEX NO. XX-XX AND THE MUTCD.
7. ALL SIGNS TO BE REMOVED AND NOT REINSTALLED SHALL BE RETURNED TO CITY OF NORTH PORT TRAFFIC ENGINEERING AND OPERATIONS DEPARTMENT.
8. ALL SIGNS TO BE RELOCATED SHALL BE REINSTALLED WITH ALL DAMAGED SIGN AND HARDWARE REPLACED.
9. BLUE RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED AT THE CENTERLINE OF THE ADJACENT TRAVEL LANE IN ACCORDANCE WITH CITY OF NORTH PORT FIRE DEPARTMENT REQUIREMENTS.

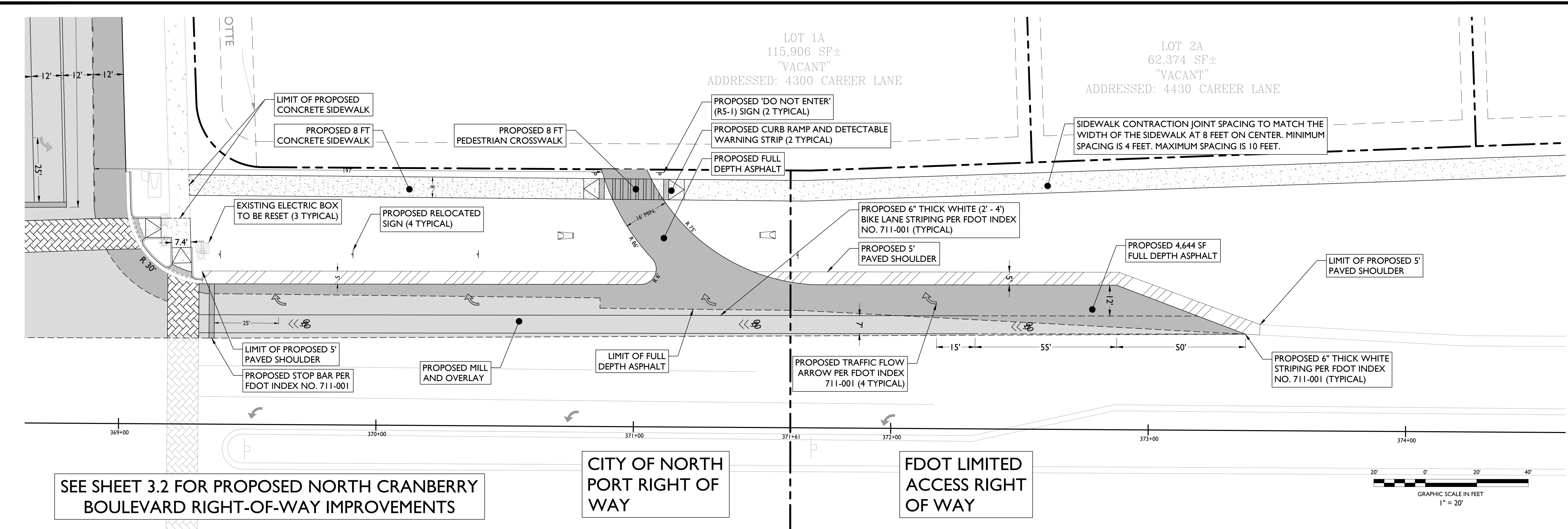
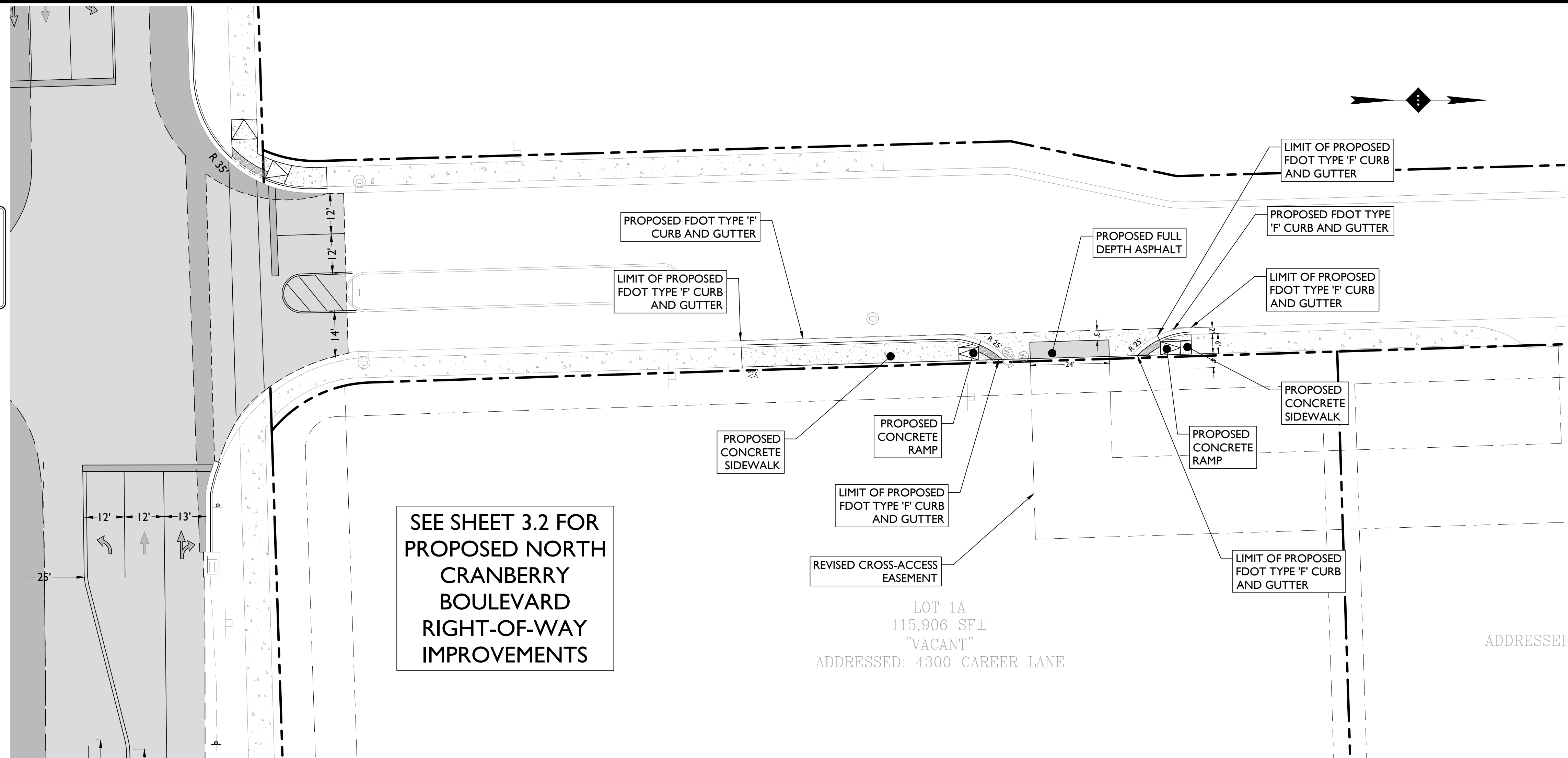
M.U.T.C.D. NUMBER	TEXT	COLOR	SIZE OF SIGN (WIDTH X HEIGHT)	TYPE OF MOUNT
DO NOT ENTER (R5-1)		RED	30"x30"	GROUND

NOTE:
1. ALL SIGNS SHALL BE IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), EXCEPT AS NOTED.

SIGN DATA TABLE

NOT TO SCALE

SYMBOL	DESCRIPTION
	PROPERTY LINE
	SETBACK LINE
	EXISTING WETLAND LINE
	SAWCUT LINE
	PROPOSED CURB
	EASEMENT
	PROPOSED CONCRETE
	PROPOSED FULL DEPTH ASPHALT
	PROPOSED MILL AND OVERLAY



ISSUE	DATE	BY	DESCRIPTION
05	01/17/2023	AKH	FOR MUNICIPAL RESUBMISSION
04	12/14/2022	KLS	FOR MUNICIPAL RESUBMISSION
03	07/08/2022	ARD	CITY OF NORTH PORT COMMENTS
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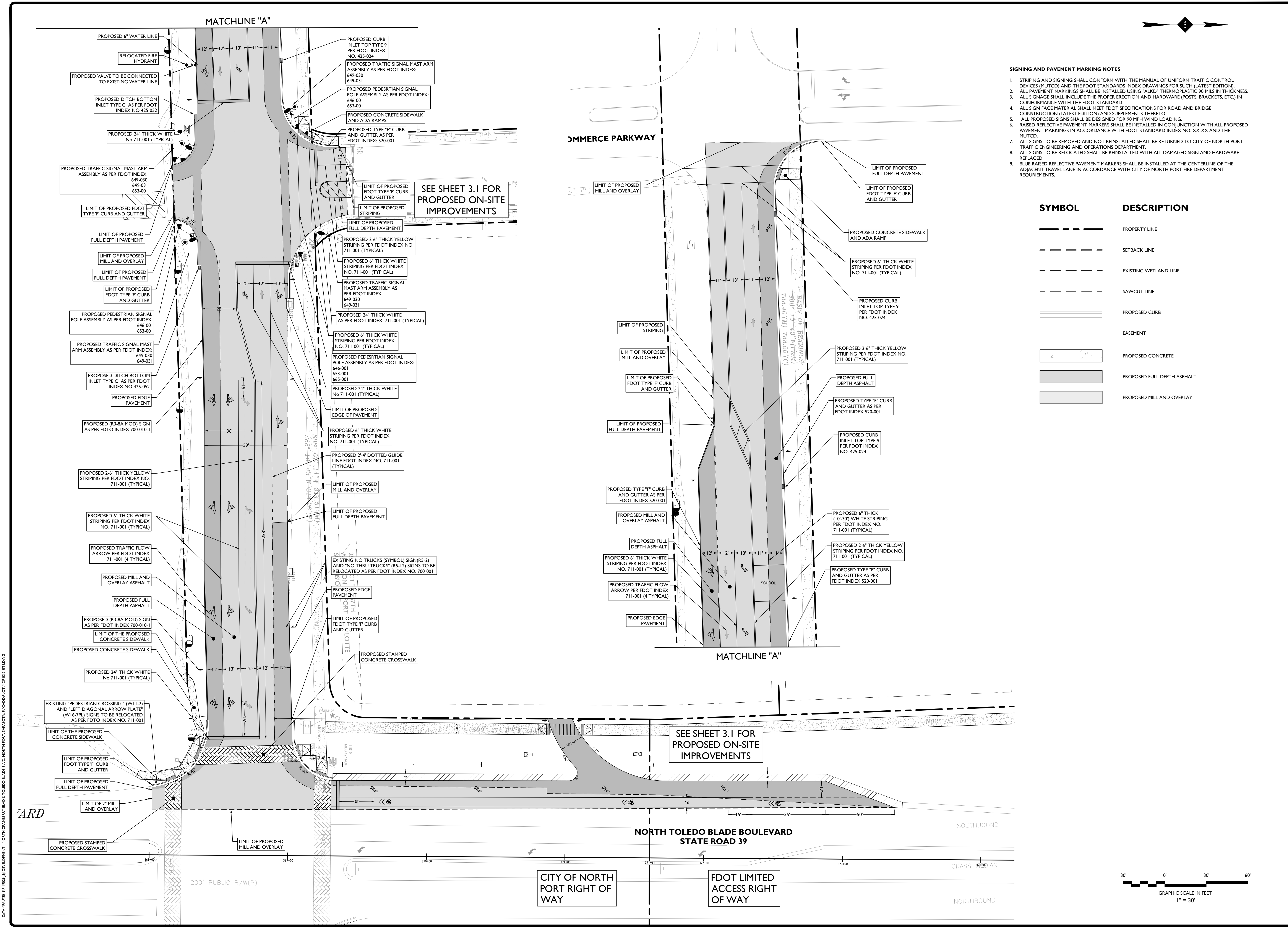
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SCALE: 1" = 20' PROJECT ID: F-19029

TITLE: **SITE PLAN (1)**

DRAWING: **C-3.1**



- SIGNING AND PAVEMENT MARKING NOTES**
1. STRIPING AND SIGNING SHALL CONFORM WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE FDOT STANDARDS INDEX DRAWINGS FOR SUCH (LATEST EDITION).
 2. ALL PAVEMENT MARKINGS SHALL BE INSTALLED USING "ALKO" THERMOPLASTIC 90 MILS IN THICKNESS.
 3. ALL SIGNAGE SHALL INCLUDE THE PROPER ERECTION AND HARDWARE (POSTS, BRACKETS, ETC.) IN CONFORMANCE WITH THE FDOT STANDARD.
 4. ALL SIGN FACE MATERIAL SHALL MEET FDOT SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION) AND SUPPLEMENTS THERETO.
 5. ALL PROPOSED SIGNS SHALL BE DESIGNED FOR 90 MPH WIND LOADING.
 6. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED IN CONJUNCTION WITH ALL PROPOSED PAVEMENT MARKINGS IN ACCORDANCE WITH FDOT STANDARD INDEX NO. XX-XX AND THE MUTCD.
 7. ALL SIGNS TO BE REMOVED AND NOT REINSTALLED SHALL BE RETURNED TO CITY OF NORTH PORT TRAFFIC ENGINEERING AND OPERATIONS DEPARTMENT.
 8. ALL SIGNS TO BE RELOCATED SHALL BE REINSTALLED WITH ALL DAMAGED SIGN AND HARDWARE REPLACED.
 9. BLUE RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED AT THE CENTERLINE OF THE ADJACENT TRAVEL LANE IN ACCORDANCE WITH CITY OF NORTH PORT FIRE DEPARTMENT REQUIREMENTS.

SYMBOL	DESCRIPTION
---	PROPERTY LINE
---	SETBACK LINE
---	EXISTING WETLAND LINE
---	SAWCUT LINE
---	PROPOSED CURB
---	EASEMENT
△	PROPOSED CONCRETE
■	PROPOSED FULL DEPTH ASPHALT
■	PROPOSED MILL AND OVERLAY

DATE	BY	DESCRIPTION
06/13/2022	VV	FOR FDOT SUBMITTAL
04/18/2022	VV	FOR FDOT SUBMITTAL
09/22/2021	ARD	FOR FDOT SUBMITTAL
03	02	ISSUE

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FDOT CONSTRUCTION AGREEMENT

SUNCOAST TECHNICAL COLLEGE COMMERCIAL OUTPARCELS

SUNCOAST TECHNICAL COLLEGE COMMERCIAL SUBDIVISION, LOT 1
4820 CAREER LANE
CITY OF NORTH PORT
SARASOTA COUNTY, FLORIDA

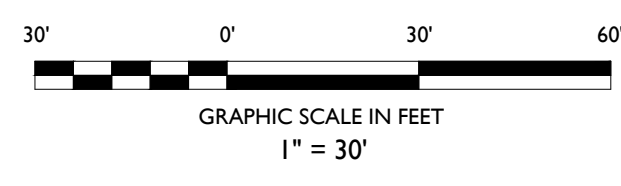
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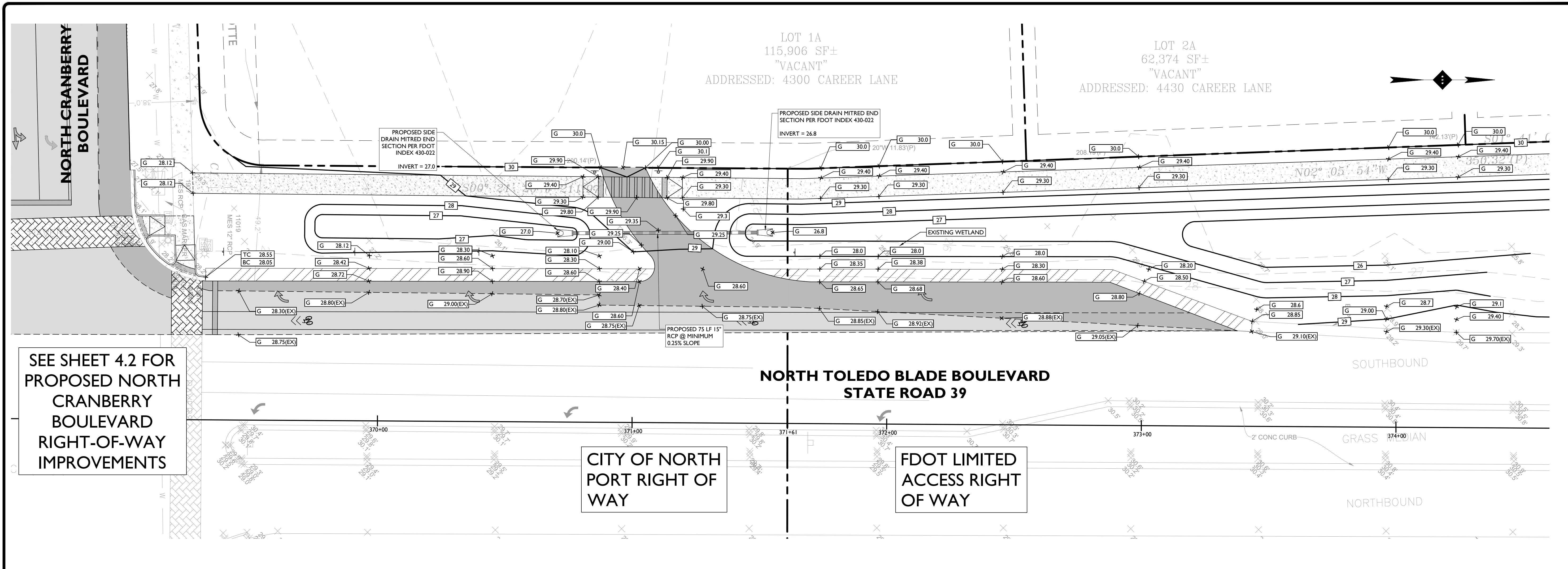
SCALE: 1" = 30' PROJECT ID: F-19029

TITLE: **SITE PLAN (2)**

DRAWING: **C-3.2**



2/21/2024 10:56 AM 1927 JMI DEVELOPMENT - NORTH CHAMBERLYN BLVD & TOLEDO BLADE BLVD, NORTH PORT, FLORIDA, FL 34881



SYMBOL	DESCRIPTION
---	PROPERTY LINE
- - - -	EXISTING WETLAND LINE
— 29 —	PROPOSED GRADING CONTOUR
x — G 100.00	PROPOSED GRADE SPOT SHOT
x — G 28.00(EX)	MATCH EXISTING GRADE
x — TC 100.50 BC 100.00	PROPOSED TOP OF CURB / BOTTOM OF CURB SPOT SHOT
▭	PROPOSED CONCRETE
▭	PROPOSED FULL DEPTH ASPHALT
▭	PROPOSED MILL AND OVERLAY

- GRADING NOTES**
- ALL SOIL AND MATERIAL REMOVED FROM THE SITE SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS. ANY GROUNDWATER DE-WATERING PRACTICES SHALL BE PERFORMED UNDER THE SUPERVISION OF A QUALIFIED PROFESSIONAL. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL NECESSARY PERMITS FOR THE DISCHARGE OF DE-WATERED GROUNDWATER. ALL SOIL IMPORTED TO THE SITE SHALL BE CERTIFIED CLEAN FILL. CONTRACTOR SHALL MAINTAIN RECORDS OF ALL FILL MATERIALS BROUGHT TO THE SITE.
 - THE CONTRACTOR IS REQUIRED TO PROVIDE TEMPORARY AND/OR PERMANENT SHORING WHERE REQUIRED DURING EXCAVATION ACTIVITIES, INCLUDING BUT NOT LIMITED TO UTILITY TRENCHES, TO ENSURE THE STRUCTURAL INTEGRITY OF NEARBY STRUCTURES AND STABILITY OF THE SURROUNDING SOILS.
 - PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 4 INCHES TO 7 INCHES ABOVE EXISTING GRADES UNLESS OTHERWISE NOTED. THE CONTRACTOR WILL SUPPLY ALL STAKEOUT CURB GRADE SHEETS TO STONEFIELD ENGINEERING & DESIGN, LLC. FOR REVIEW AND APPROVAL PRIOR TO POURING CURBS.
 - THE CONTRACTOR IS RESPONSIBLE TO SET ALL PROPOSED UTILITY COVERS AND RESET ALL EXISTING UTILITY COVERS WITHIN THE PROJECT LIMITS TO PROPOSED GRADE IN ACCORDANCE WITH ANY APPLICABLE MUNICIPAL, COUNTY, STATE AND/OR UTILITY AUTHORITY REGULATIONS.
 - MINIMUM SLOPE REQUIREMENTS TO PREVENT PONDING SHALL BE AS FOLLOWS:
 - CURB GUTTER: 0.50%
 - CONCRETE SURFACES: 1.00%
 - ASPHALT SURFACES: 1.00%
 - A MINIMUM SLOPE OF 1.00% SHALL BE PROVIDED AWAY FROM ALL BUILDINGS. THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE FROM THE BUILDING IS ACHIEVED AND SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC. IF THIS CONDITION CANNOT BE MET.
 - FOR PROJECTS WHERE BASEMENTS ARE PROPOSED, THE DEVELOPER IS RESPONSIBLE TO DETERMINE THE DEPTH TO GROUNDWATER AT THE LOCATION OF THE PROPOSED STRUCTURE. IF GROUNDWATER IS ENCOUNTERED WITHIN THE BASEMENT AREA, SPECIAL CONSTRUCTION METHODS SHALL BE UTILIZED AND REVIEWED/APPROVED BY THE CONSTRUCTION CODE OFFICIAL. IF SUMP PUMPS ARE UTILIZED, ALL DISCHARGES SHALL BE CONNECTED DIRECTLY TO THE PUBLIC STORM SEWER SYSTEM WITH APPROVAL FROM THE GOVERNING STORM SEWER SYSTEM AUTHORITY.

ISSUE	DATE	BY	DESCRIPTION
05	01/17/2023	ANK	FOR MUNICIPAL RESUBMISSION
04	12/14/2022	KLS	FOR MUNICIPAL RESUBMISSION
03	07/08/2022	ARD	CITY OF NORTH PORT COMMENTS
02	08/31/2021	ARD	FOR CITY OF NORTH PORT REVIEW
01	02/10/2021	ERS	FOR CLIENT REVIEW

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SITE DEVELOPMENT PLANS

SUNCOAST TECHNICAL COLLEGE COMMERCIAL OUTPARCELS

SUNCOAST TECHNICAL COLLEGE COMMERCIAL SUBDIVISION, LOT 1-5
4300 CAREER LANE
CITY OF NORTH PORT
SARASOTA COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. - CP AUTH. No. 30378

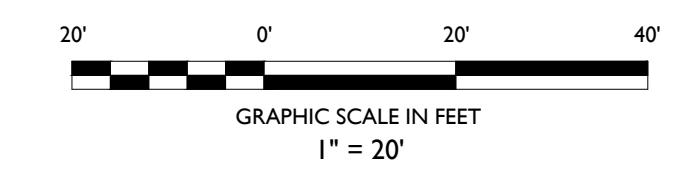
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SCALE: 1" = 20' PROJECT ID: F-19029

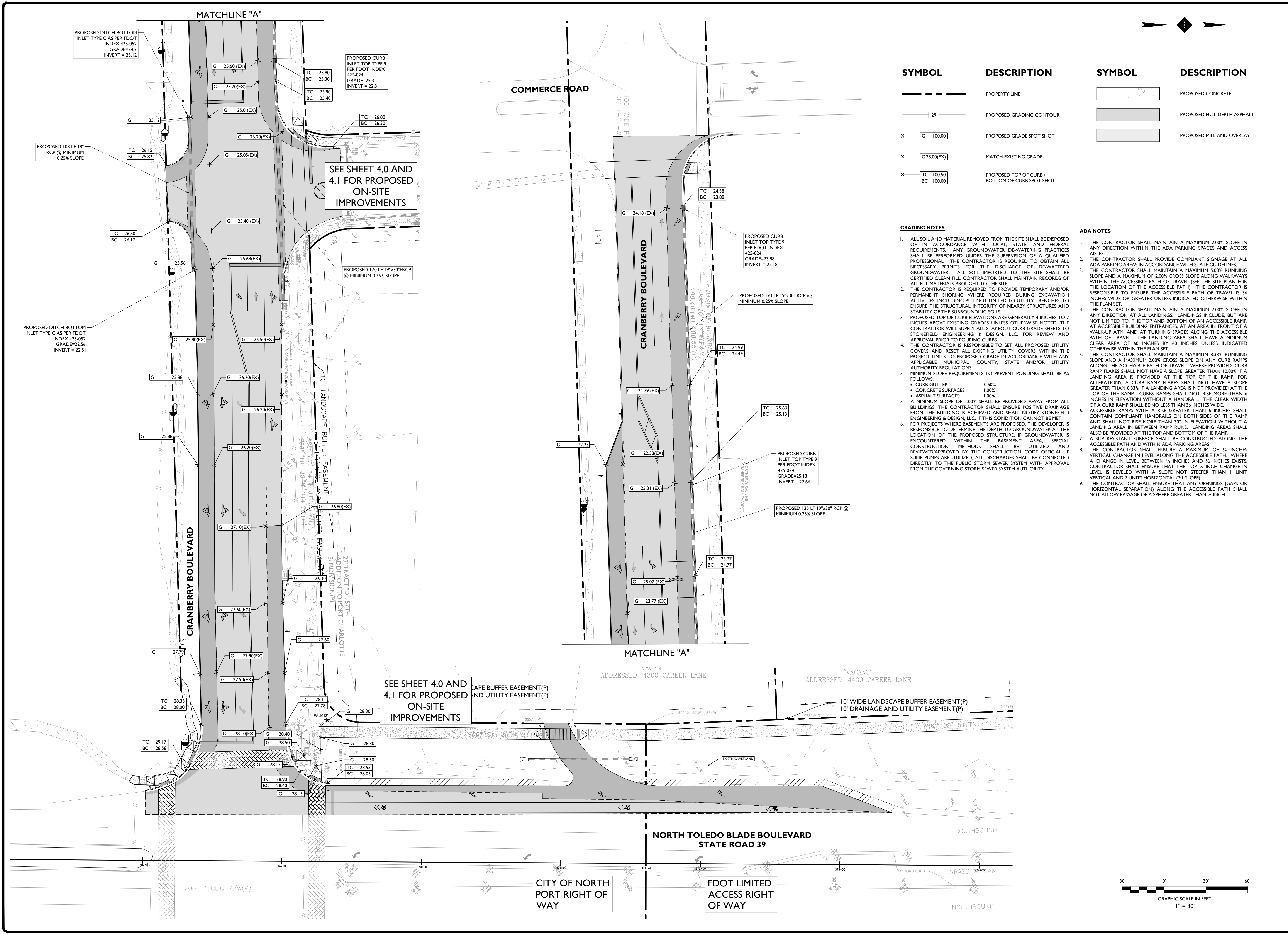
TITLE:
GRADING PLAN (2)

DRAWING:

C-4.1



Z:\TAMPA\2019\19029\JM DEVELOPMENT - NORTH CRANBERRY BLVD & TOLEDO BLADE BLVD, NORTH PORT, SARASOTA, FL\CDR\PC\TPO\K44-1-GRID.DWG



SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
---	PROPERTY LINE	□	PROPOSED CONCRETE
—29—	PROPOSED GRADING CONTOUR	■	PROPOSED FULL DEPTH ASPHALT
x G 100.00	PROPOSED GRADE SPOT SHOT	■	PROPOSED MILL AND OVERLAY
x G 28.00(EX)	MATCH EXISTING GRADE		
x TC 100.50 BC 100.00	PROPOSED TOP OF CURB / BOTTOM OF CURB SPOT SHOT		

- GRADING NOTES**
- ALL SOIL AND MATERIAL REMOVED FROM THE SITE SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS. ANY GROUNDWATER DEWATERING PRACTICES SHALL BE PERFORMED UNDER THE SUPERVISION OF A QUALIFIED PROFESSIONAL. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL NECESSARY PERMITS FOR THE DISCHARGE OF DEWATERED GROUNDWATER. ALL SOIL IMPORTED TO THE SITE SHALL BE CERTIFIED CLEAN FILL. CONTRACTOR SHALL MAINTAIN RECORDS OF ALL FILL MATERIALS BROUGHT TO THE SITE.
 - THE CONTRACTOR IS REQUIRED TO PROVIDE TEMPORARY AND/OR PERMANENT SHORING WHERE REQUIRED DURING EXCAVATION ACTIVITIES, INCLUDING BUT NOT LIMITED TO UTILITY TRENCHES, TO ENSURE THE STRUCTURAL INTEGRITY OF NEARBY STRUCTURES AND STABILITY OF THE SURROUNDING SOILS.
 - PROPOSED TOP OF CURB ELEVATIONS ARE GENERALLY 4 INCHES TO 7 INCHES ABOVE EXISTING GRADES UNLESS OTHERWISE NOTED. THE CONTRACTOR WILL SUPPLY ALL STAKEOUT CURB GRADE SHEETS TO STONEFIELD ENGINEERING & DESIGN, LLC. FOR REVIEW AND APPROVAL PRIOR TO POURING CURBS.
 - THE CONTRACTOR IS RESPONSIBLE TO SET ALL PROPOSED UTILITY COVERS AND RESET ALL EXISTING UTILITY COVERS WITHIN THE PROJECT LIMITS TO PROPOSED GRADE IN ACCORDANCE WITH ANY APPLICABLE MUNICIPAL, COUNTY, STATE AND/OR UTILITY AUTHORITY REGULATIONS.
 - MINIMUM SLOPE REQUIREMENTS TO PREVENT PONDING SHALL BE AS FOLLOWS:
 - CURB GUTTER: 0.50%
 - CONCRETE SURFACES: 1.00%
 - ASPHALT SURFACES: 1.00%
 - A MINIMUM SLOPE OF 1.00% SHALL BE PROVIDED AWAY FROM ALL BUILDINGS. THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE FROM THE BUILDING IS ACHIEVED AND SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC IF THIS CONDITION CANNOT BE MET.
 - FOR PROJECTS WHERE BASEMENTS ARE PROPOSED, THE DEVELOPER IS RESPONSIBLE TO DETERMINE THE DEPTH TO GROUNDWATER AT THE LOCATION OF THE PROPOSED STRUCTURE. IF GROUNDWATER IS ENCOUNTERED WITHIN THE BASEMENT AREA, SPECIAL CONSTRUCTION METHODS SHALL BE UTILIZED AND REVIEWED/APPROVED BY THE CONSTRUCTION CODE OFFICIAL. IF SUMP PUMPS ARE UTILIZED, ALL DISCHARGES SHALL BE CONNECTED DIRECTLY TO THE PUBLIC STORM SEWER SYSTEM WITH APPROVAL FROM THE GOVERNING STORM SEWER SYSTEM AUTHORITY.

- ADA NOTES**
- THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 2.00% SLOPE IN ANY DIRECTION WITHIN THE ADA PARKING SPACES AND ACCESS AISLES.
 - THE CONTRACTOR SHALL PROVIDE COMPLIANT SIGNAGE AT ALL ADA PARKING AREAS IN ACCORDANCE WITH STATE GUIDELINES.
 - THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 5.00% RUNNING SLOPE AND A MAXIMUM OF 2.00% CROSS SLOPE ALONG WALKWAYS WITHIN THE ACCESSIBLE PATH OF TRAVEL (SEE THE SITE PLAN FOR THE LOCATION OF THE ACCESSIBLE PATH). THE CONTRACTOR IS RESPONSIBLE TO ENSURE THE ACCESSIBLE PATH OF TRAVEL IS 36 INCHES WIDE OR GREATER UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET.
 - THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 2.00% SLOPE IN ANY DIRECTION AT ALL LANDINGS. LANDINGS INCLUDE, BUT ARE NOT LIMITED TO, THE TOP AND BOTTOM OF AN ACCESSIBLE RAMP, AT ACCESSIBLE BUILDING ENTRANCES, AT AN AREA IN FRONT OF A WALK-UP ATM, AND AT TURNING SPACES ALONG THE ACCESSIBLE PATH OF TRAVEL. THE LANDING AREA SHALL HAVE A MINIMUM CLEAR AREA OF 60 INCHES BY 60 INCHES UNLESS INDICATED OTHERWISE WITHIN THE PLAN SET.
 - THE CONTRACTOR SHALL MAINTAIN A MAXIMUM 8.33% RUNNING SLOPE AND A MAXIMUM 2.00% CROSS SLOPE ON ANY CURB RAMPS ALONG THE ACCESSIBLE PATH OF TRAVEL. WHERE PROVIDED, CURB RAMP FLARES SHALL NOT HAVE A SLOPE GREATER THAN 10.00% IF A LANDING AREA IS PROVIDED AT THE TOP OF THE RAMP. FOR ALTERATIONS, A CURB RAMP FLARE SHALL NOT HAVE A SLOPE GREATER THAN 8.33%. IF A LANDING AREA IS NOT PROVIDED AT THE TOP OF THE RAMP, CURB RAMPS SHALL NOT RISE MORE THAN 6 INCHES IN ELEVATION WITHOUT A HANDRAIL. THE CLEAR WIDTH OF A CURB RAMP SHALL BE NO LESS THAN 36 INCHES WIDE.
 - ACCESSIBLE RAMPS WITH A RISE GREATER THAN 6 INCHES SHALL CONTAIN COMPLIANT HANDRAILS ON BOTH SIDES OF THE RAMP AND SHALL NOT RISE MORE THAN 30" IN ELEVATION WITHOUT A LANDING AREA IN BETWEEN RAMP RUNS. LANDING AREAS SHALL ALSO BE PROVIDED AT THE TOP AND BOTTOM OF THE RAMP.
 - A SLIP RESISTANT SURFACE SHALL BE CONSTRUCTED ALONG THE ACCESSIBLE PATH AND WITHIN ADA PARKING AREAS.
 - THE CONTRACTOR SHALL ENSURE A MAXIMUM OF 1/4 INCHES VERTICAL CHANGE IN LEVEL ALONG THE ACCESSIBLE PATH, WHERE A CHANGE IN LEVEL BETWEEN 1/4 INCHES AND 1/2 INCHES EXISTS, CONTRACTOR SHALL ENSURE THAT THE TOP 1/4 INCH CHANGE IN LEVEL IS BEVELED WITH A SLOPE NOT STEEPER THAN 1 UNIT VERTICAL AND 2 UNITS HORIZONTAL (2:1 SLOPE).
 - THE CONTRACTOR SHALL ENSURE THAT ANY OPENINGS (GAPS OR HORIZONTAL SEPARATION) ALONG THE ACCESSIBLE PATH SHALL NOT ALLOW PASSAGE OF A SPHERE GREATER THAN 1/2 INCH.

DATE	ISSUE	BY	DESCRIPTION
06/13/2022	01	VV	FOR FDOT SUBMITTAL
04/18/2022	02	VV	FOR FDOT SUBMITTAL
09/22/2021	01	ARD	FOR FDOT SUBMITTAL

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FDOT CONSTRUCTION AGREEMENT

SUNCOAST TECHNICAL COLLEGE COMMERCIAL OUTPARCELS

SUNCOAST TECHNICAL COLLEGE COMMERCIAL SUBDIVISION, LOT 1
4820 CAREER LANE
CITY OF NORTH PORT
SARASOTA COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE No. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. No. 30078

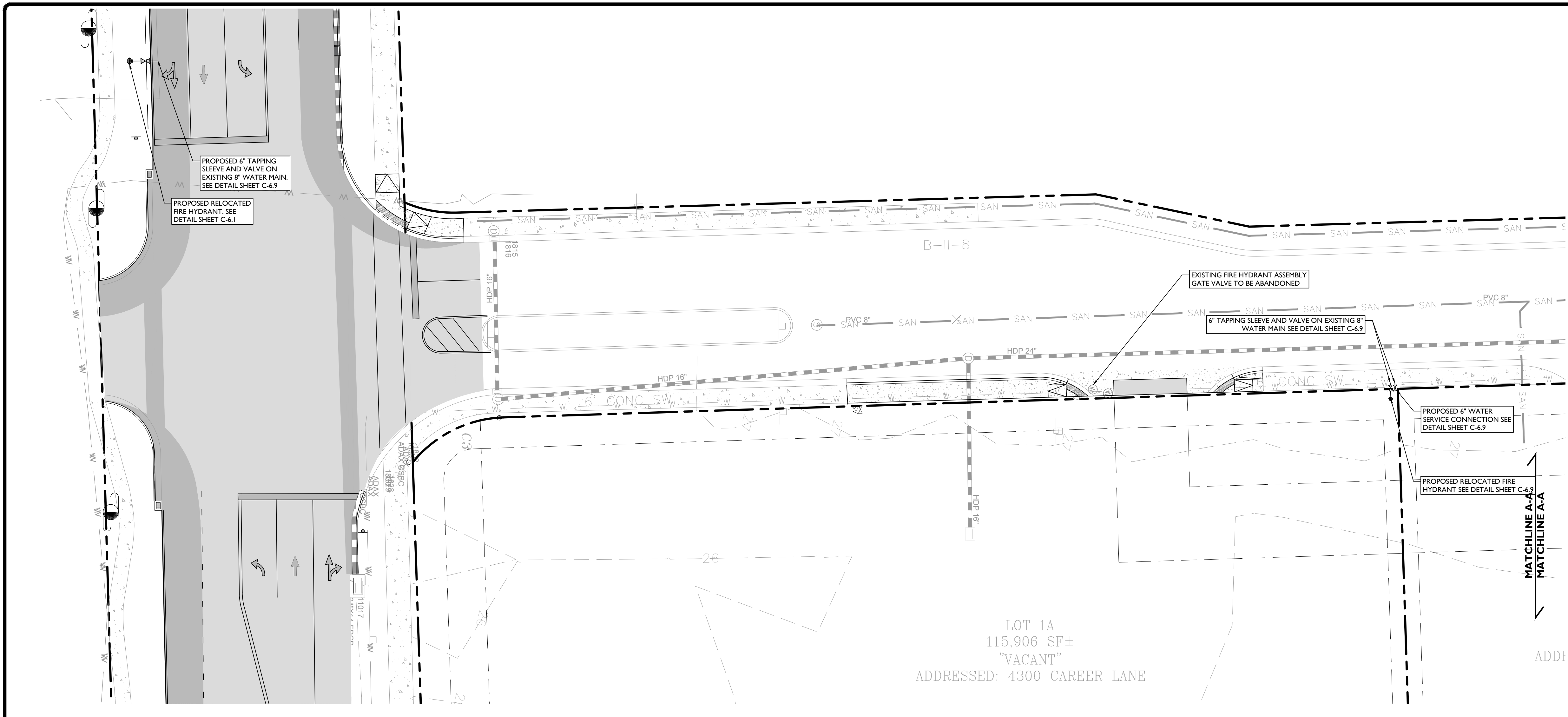
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SCALE: 1" = 30' PROJECT ID: F-19029

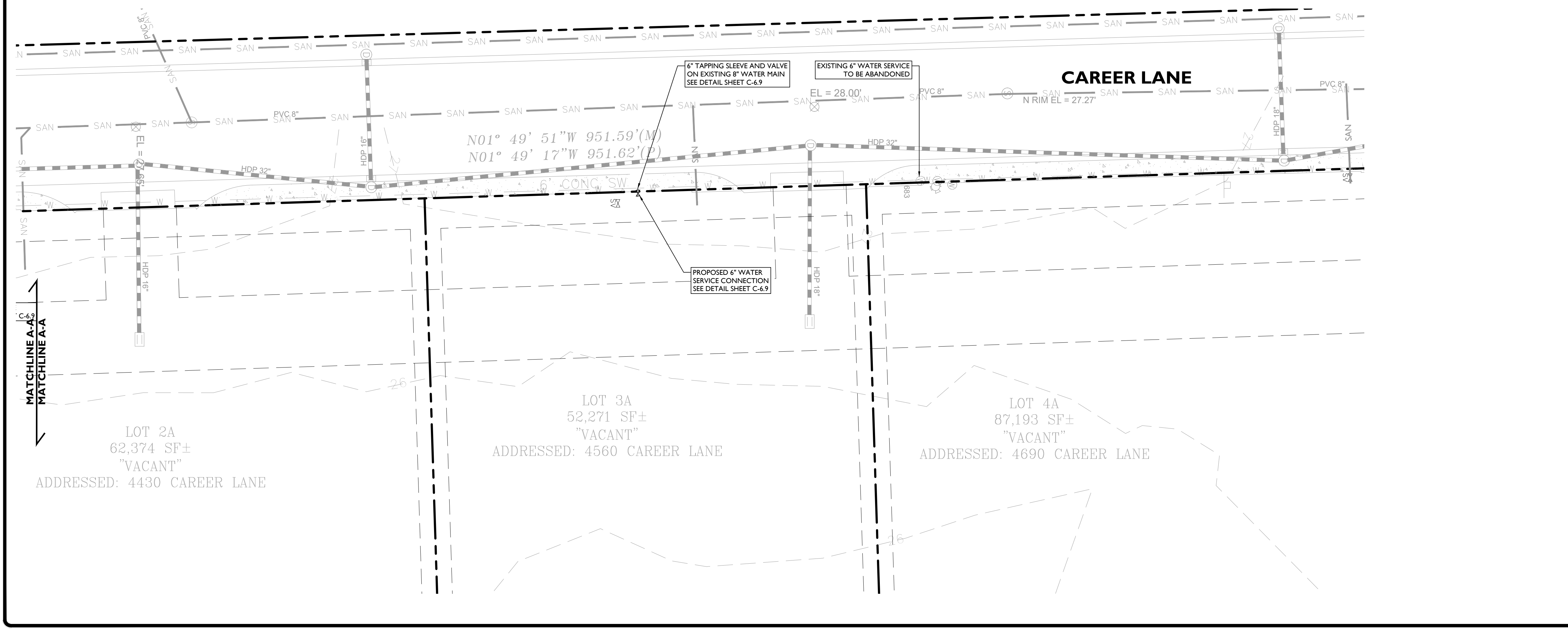
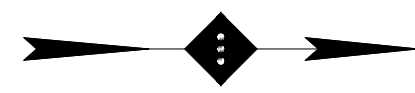
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GRADING PLAN (3)

DRAWING:

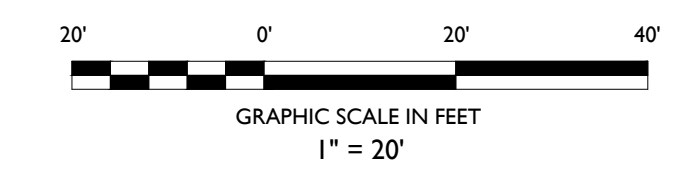
C-4.2



SYMBOL	DESCRIPTION
---	PROPERTY LINE
W	PROPOSED DOMESTIC WATER SERVICE
X	PROPOSED VALVE
⊗	PROPOSED FIRE HYDRANT



- DRAINAGE AND UTILITY NOTES**
1. THE CONTRACTOR IS REQUIRED TO CALL THE APPROPRIATE AUTHORITY FOR NOTICE OF CONSTRUCTION/EXCAVATION AND UTILITY MARK OUT PRIOR TO THE START OF CONSTRUCTION IN ACCORDANCE WITH STATE LAW. CONTRACTOR IS REQUIRED TO CONFIRM THE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES IN THE FIELD. SHOULD A DISCREPANCY EXIST BETWEEN THE FIELD LOCATION OF A UTILITY AND THE LOCATION SHOWN ON THE PLAN SET OR SURVEY, THE CONTRACTOR SHALL NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC IMMEDIATELY IN WRITING.
 2. THE CONTRACTOR IS RESPONSIBLE TO PROTECT AND MAINTAIN IN OPERATION ALL UTILITIES NOT DESIGNATED TO BE REMOVED.
 3. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO ANY EXISTING UTILITY IDENTIFIED TO REMAIN WITHIN THE LIMITS OF THE PROPOSED WORK DURING CONSTRUCTION.
 4. A MINIMUM HORIZONTAL SEPARATION OF 10 FEET IS REQUIRED BETWEEN ANY SANITARY SEWER SERVICE AND ANY WATER LINES. IF THIS SEPARATION CANNOT BE PROVIDED, A CONCRETE ENCASUREMENT SHALL BE UTILIZED FOR THE SANITARY SEWER SERVICE AS APPROVED BY STONEFIELD ENGINEERING & DESIGN, LLC.
 5. ALL WATER LINES SHALL BE VERTICALLY SEPARATED ABOVE SANITARY SEWER LINES BY A MINIMUM DISTANCE OF 18 INCHES. IF THIS SEPARATION CANNOT BE PROVIDED, A CONCRETE ENCASUREMENT SHALL BE UTILIZED FOR THE SANITARY SEWER SERVICE AS APPROVED BY STONEFIELD ENGINEERING & DESIGN, LLC.
 6. THE CONTRACTOR TO PERFORM A TEST PIT PRIOR TO CONSTRUCTION (RECOMMEND 30 DAYS PRIOR) AT LOCATIONS OF EXISTING UTILITY CROSSINGS FOR WATER AND SANITARY SEWER CONNECTION IMPROVEMENTS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY STONEFIELD ENGINEERING & DESIGN, LLC IN WRITING.
 7. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING GAS, ELECTRIC AND TELECOMMUNICATION CONNECTIONS WITH THE APPROPRIATE GOVERNING AUTHORITY.
 8. CONTRACTOR SHALL START CONSTRUCTION OF ANY GRAVITY SEWER AT THE LOWEST INVERT AND WORK UP-GRADE.
 9. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN A RECORD SET OF PLANS REFLECTING THE LOCATION OF EXISTING UTILITIES THAT HAVE BEEN CAPPED, ABANDONED, OR RELOCATED BASED ON THE DEMOLITION/REMOVAL ACTIVITIES REQUIRED IN THIS PLAN SET. THIS DOCUMENT SHALL BE PROVIDED TO THE OWNER FOLLOWING COMPLETION OF WORK.
 10. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN A RECORD OF THE AS-BUILT LOCATIONS OF ALL PROPOSED UNDERGROUND INFRASTRUCTURE. THE CONTRACTOR SHALL NOTE ANY DISCREPANCIES BETWEEN THE AS-BUILT LOCATIONS AND THE LOCATIONS DEPICTED WITHIN THE PLAN SET. THIS RECORD SHALL BE PROVIDED TO THE OWNER FOLLOWING COMPLETION OF WORK.



NO.	DATE	ISSUE	BY	DESCRIPTION
05	01/17/2023			FOR MUNICIPAL RESUBMISSION
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SITE DEVELOPMENT PLANS

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SUNCOAST TECHNICAL COLLEGE COMMERCIAL SUBDIVISION, LOT 1-5
4300 CAREER LANE
CITY OF NORTH PORT
SARASOTA COUNTY, FLORIDA

JAMES S. KINOSIAN, P.E.
FLORIDA LICENSE NO. 86000
LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. OF AUTH. NO. 30078



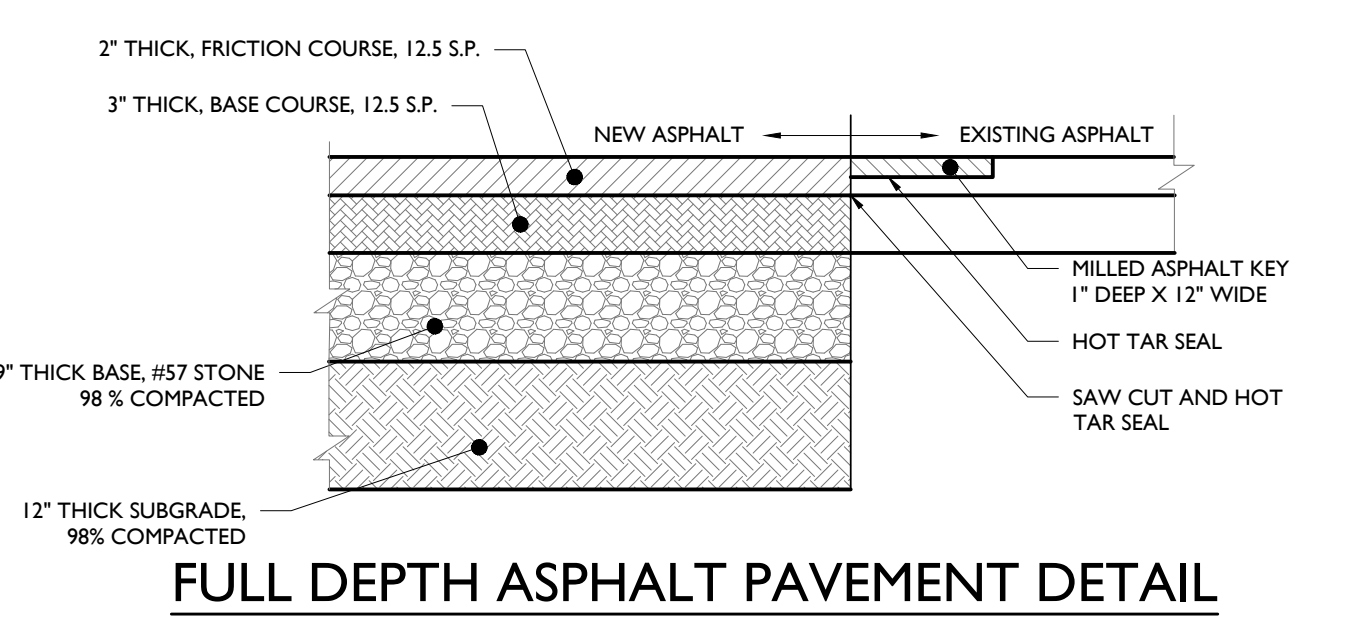
SCALE: 1" = 20' PROJECT ID: F-19029

TITLE:
UTILITY PLAN

DRAWING:
C-5.0

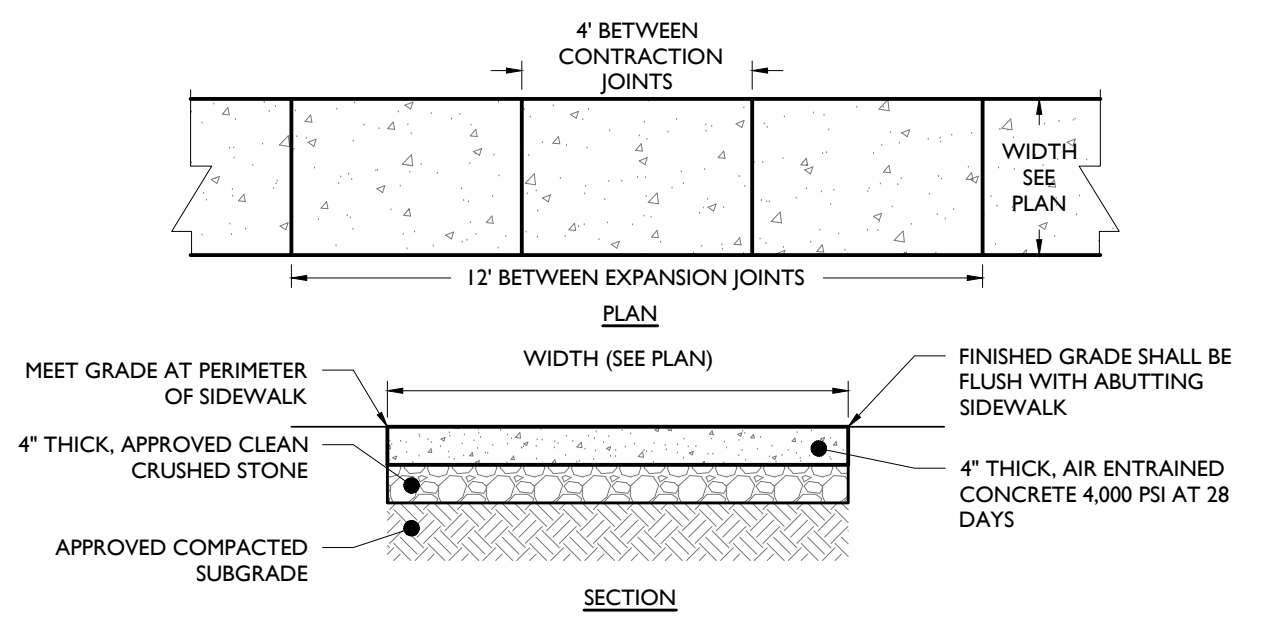
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5



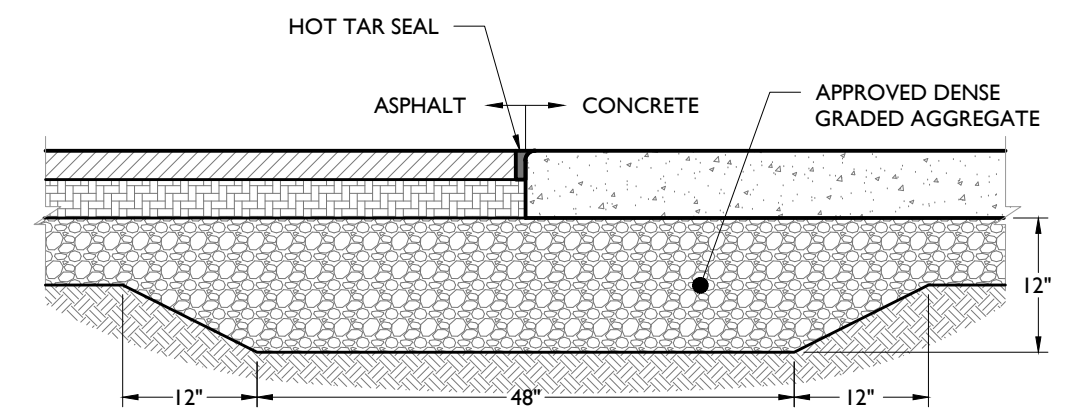
FULL DEPTH ASPHALT PAVEMENT DETAIL
NOT TO SCALE

NOTE:
HMA MIX AND DENSE GRADED AGGREGATE SHALL CONFORM TO STATE DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.

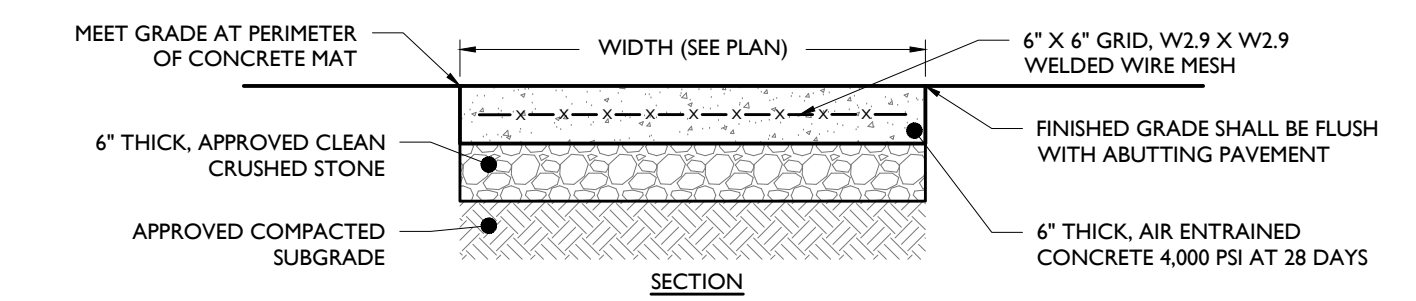


CONCRETE WALKWAY DETAIL
NOT TO SCALE

NOTES:
1. MAXIMUM CROSS SLOPE SHALL BE 1/4\"/>

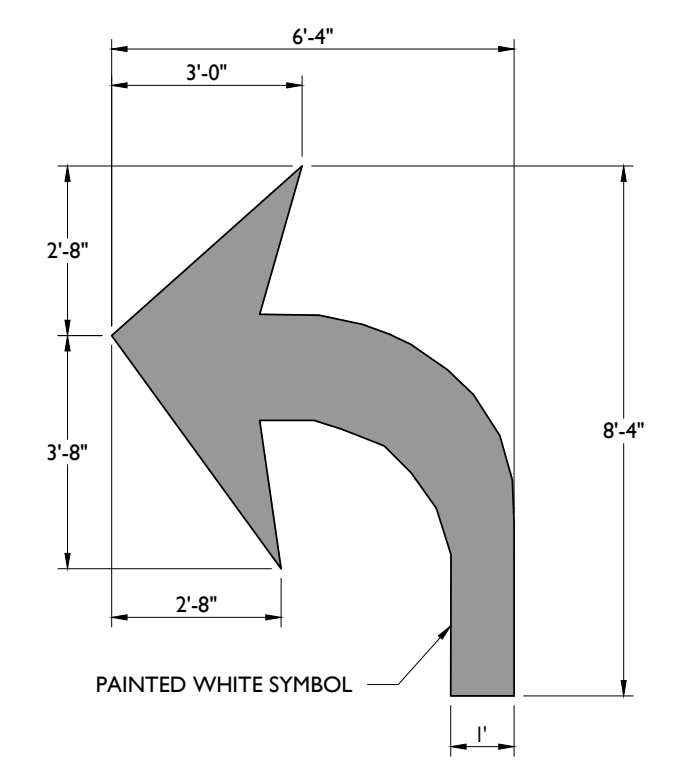


CONCRETE TO ASPHALT TRANSITION DETAIL
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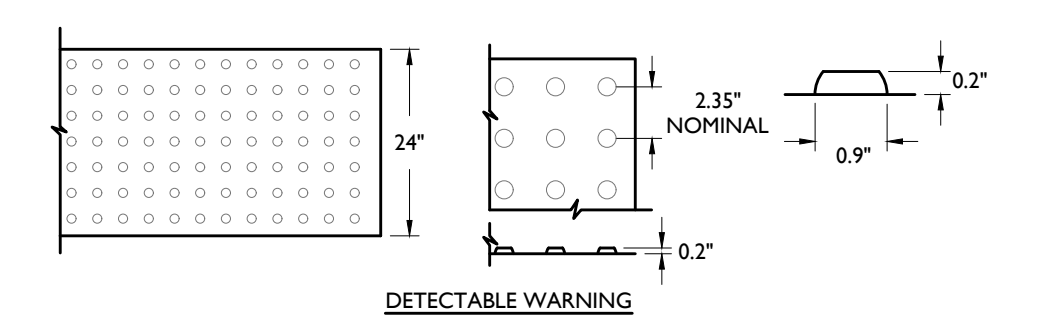


REINFORCED 6\"/>

NOTES:
1. 1/2\"/>

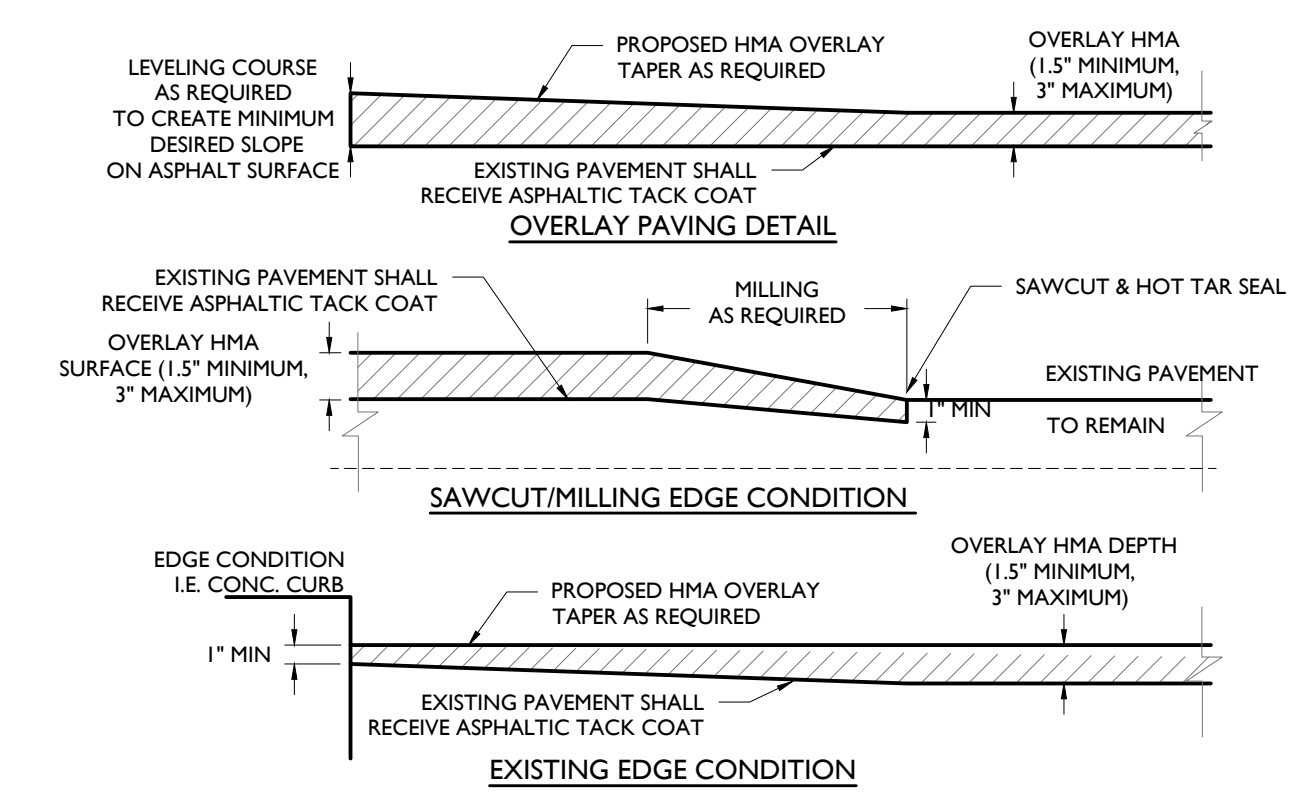


TURN ARROW DETAIL
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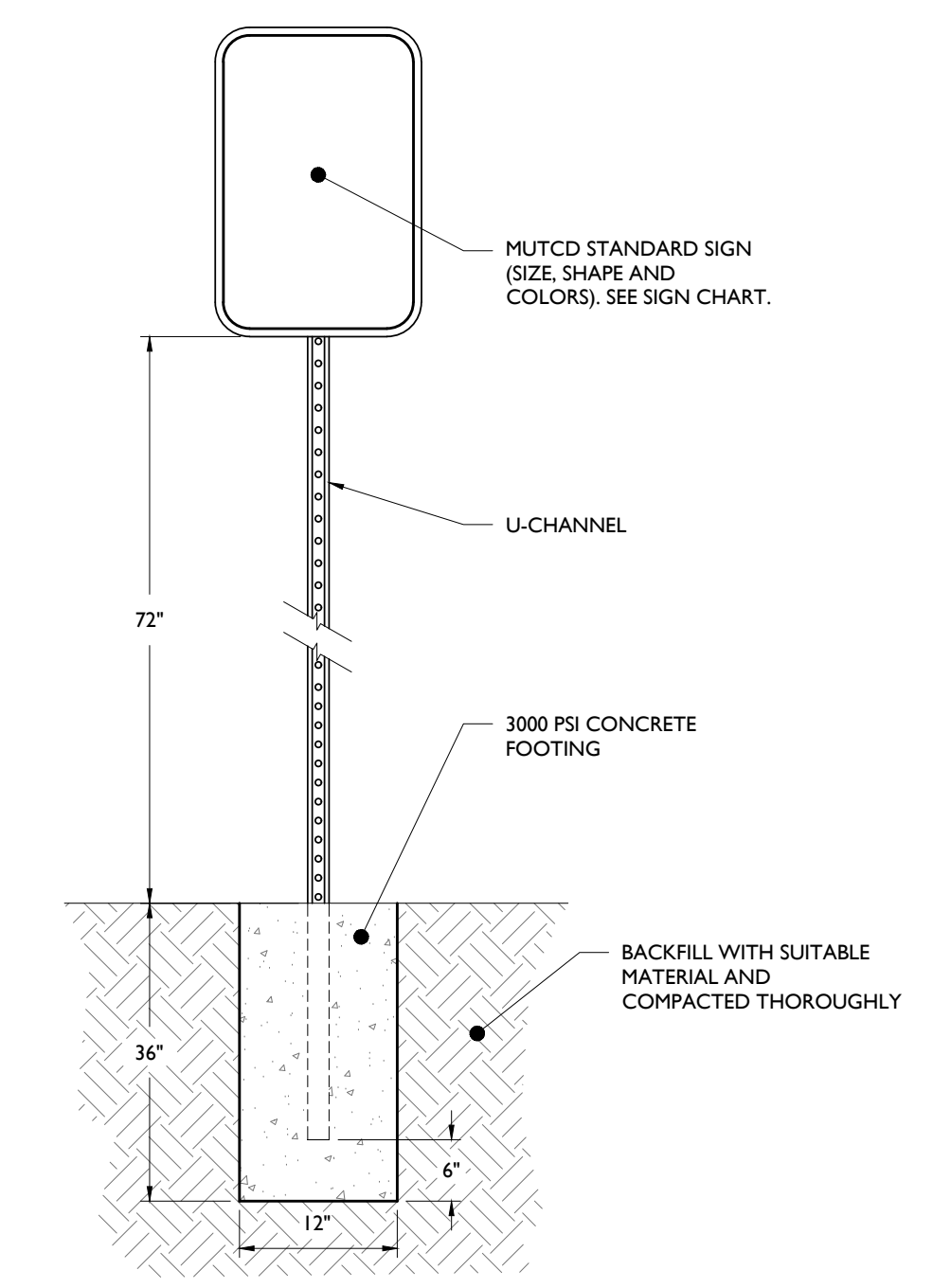


DETECTABLE WARNING DETAIL
NOT TO SCALE

NOTES:
1. DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN DOMES.
2. VISUAL CONTRAST: THERE SHALL BE A MINIMUM OF 70% CONTRAST IN LIGHT REFLECTANCE BETWEEN THE DETECTABLE WARNING AND AN ADJOINING SURFACE.
3. DETECTABLE WARNING STRIP REQUIRED WHERE RAMP DIRECTS PEDESTRIAN TRAFFIC TOWARDS VEHICLE TRAVEL WAY. WARNING STRIP SHALL BE CAST-IN-PLACE.



PAVEMENT MILLING & OVERLAY DETAIL
NOT TO SCALE



SIGN POST DETAIL
NOT TO SCALE

21/09/2019 10:56:19 AM DEVELOPMENT - NORTH CANAHERY BLVD & TOLEDO BLVD, NORTH PORT, FLORIDA, 11/04/2019 10:56:19 AM

NO.	DATE	BY	DESCRIPTION
05	01/17/2023	AKH	FOR MUNICIPAL RESUBMISSION
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SARASOTA COUNTY, FLORIDA

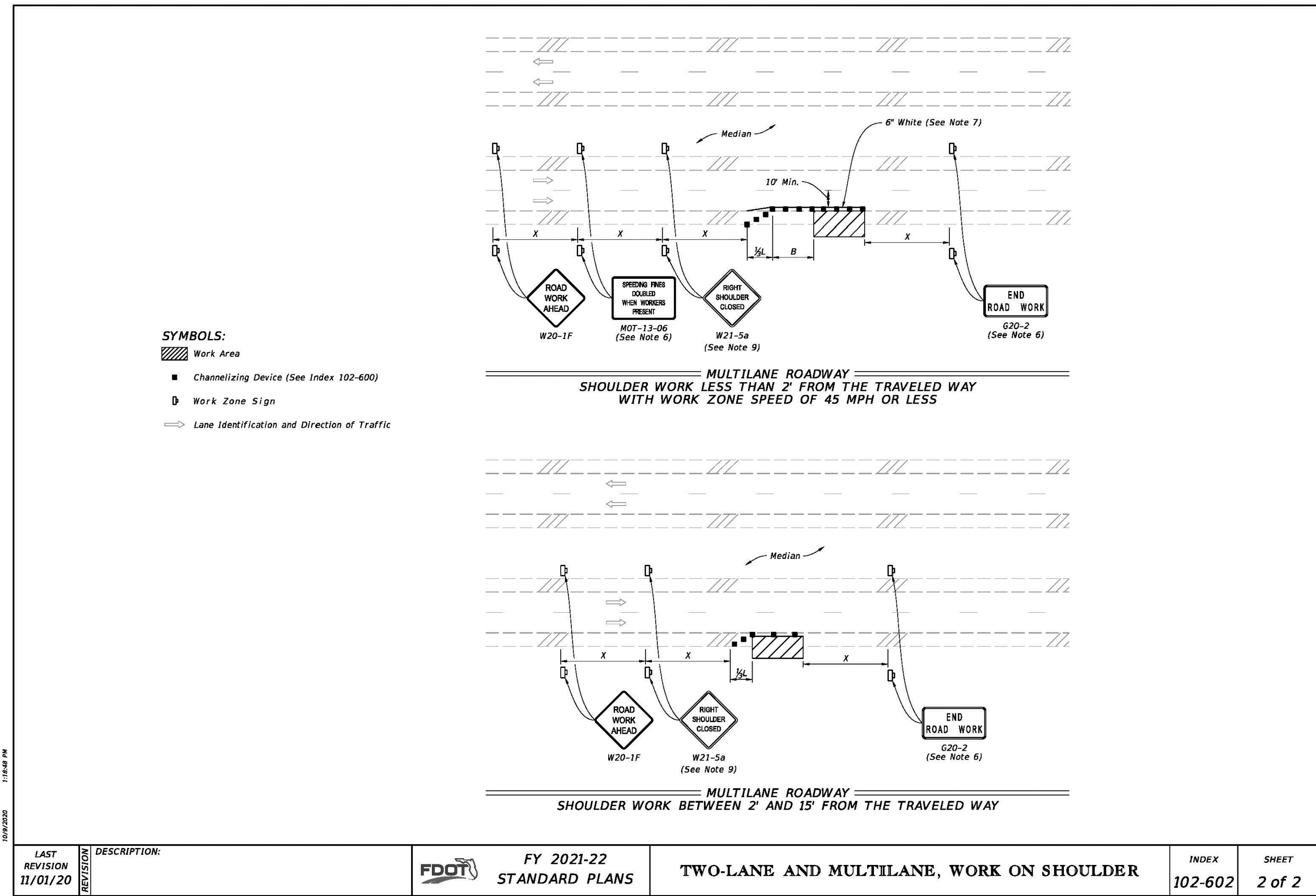
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LICENSED PROFESSIONAL ENGINEER
FLORIDA BUSINESS CERT. - CP AUTH. No. 30378

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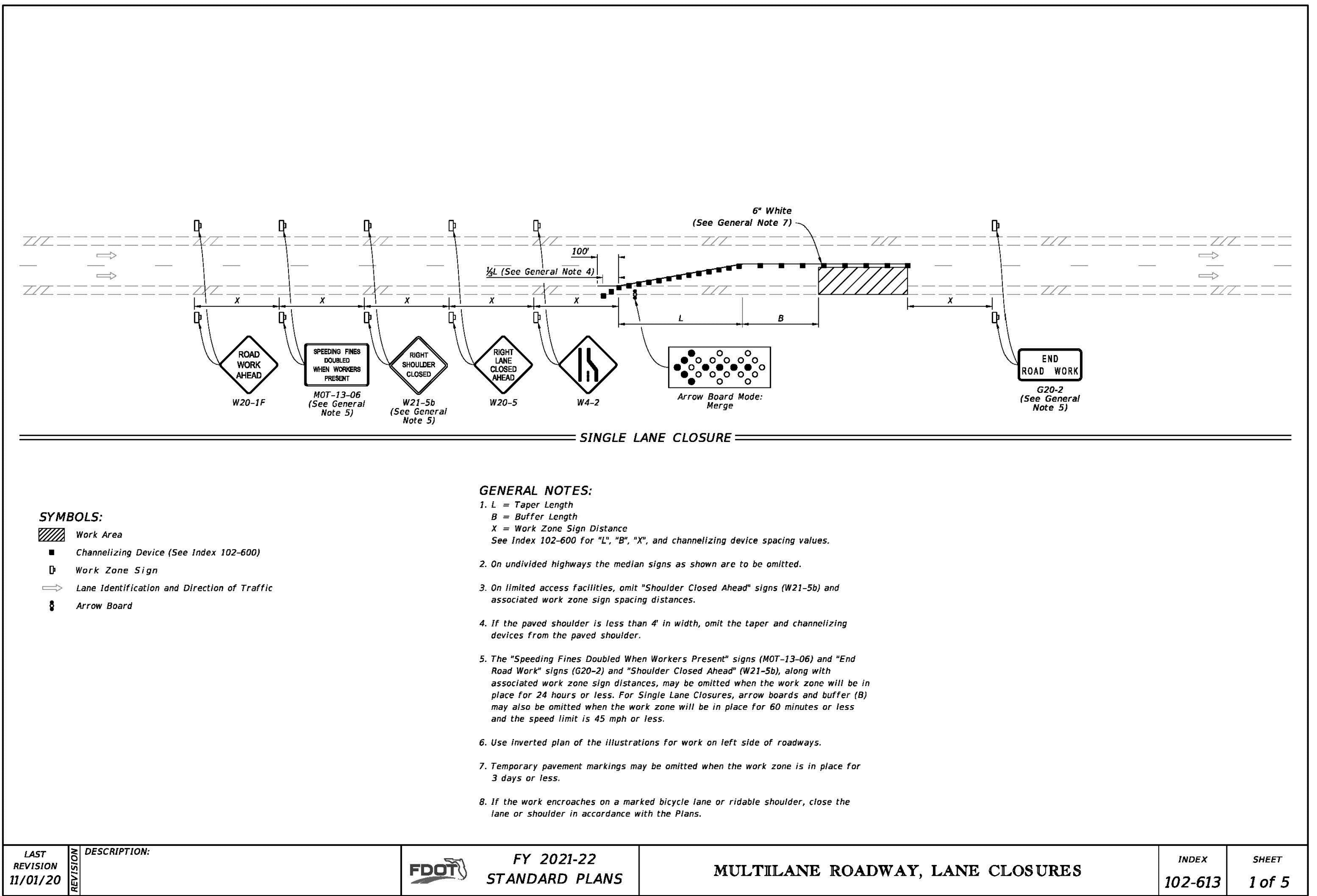
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TITLE:
CONSTRUCTION DETAILS (1)

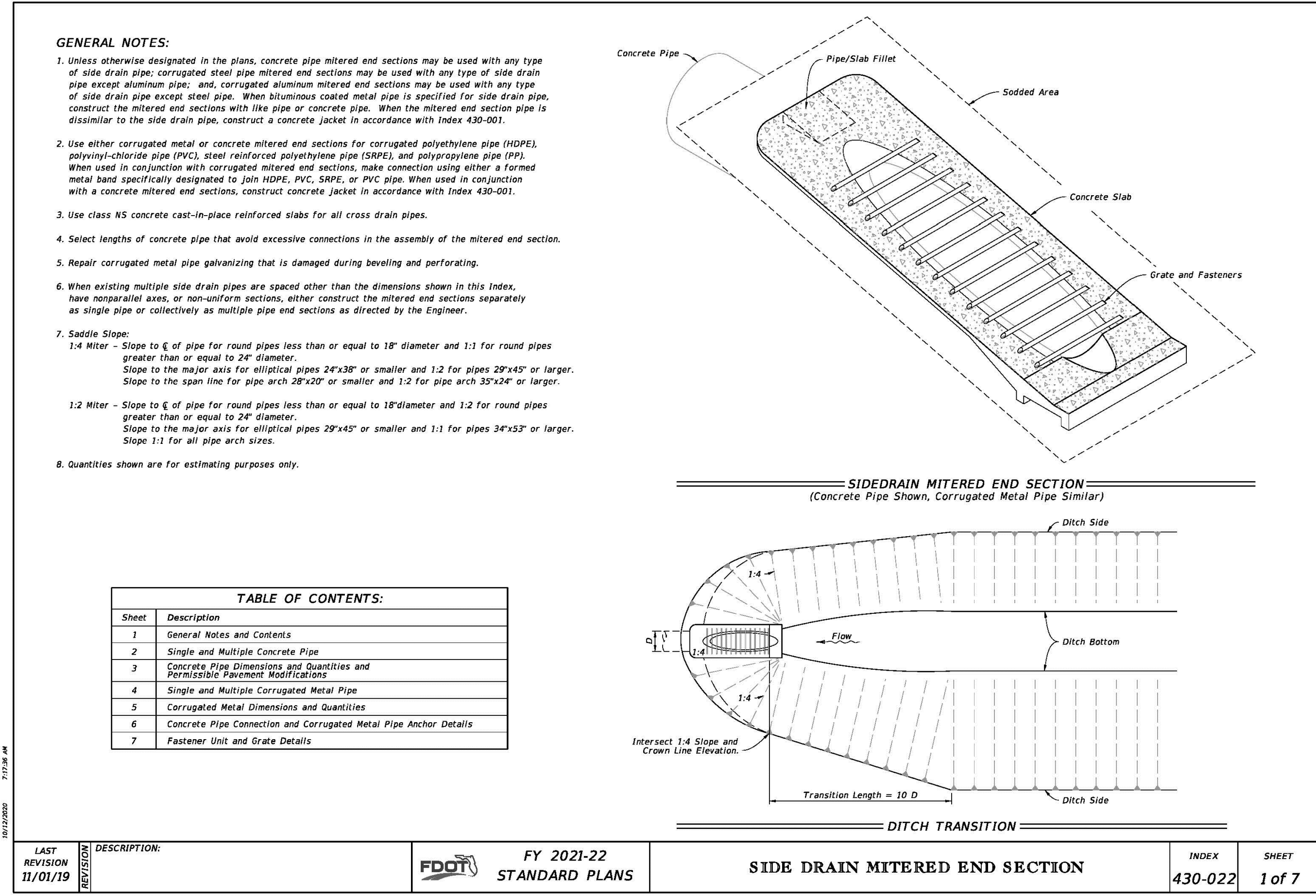
DRAWING:
C-6.0



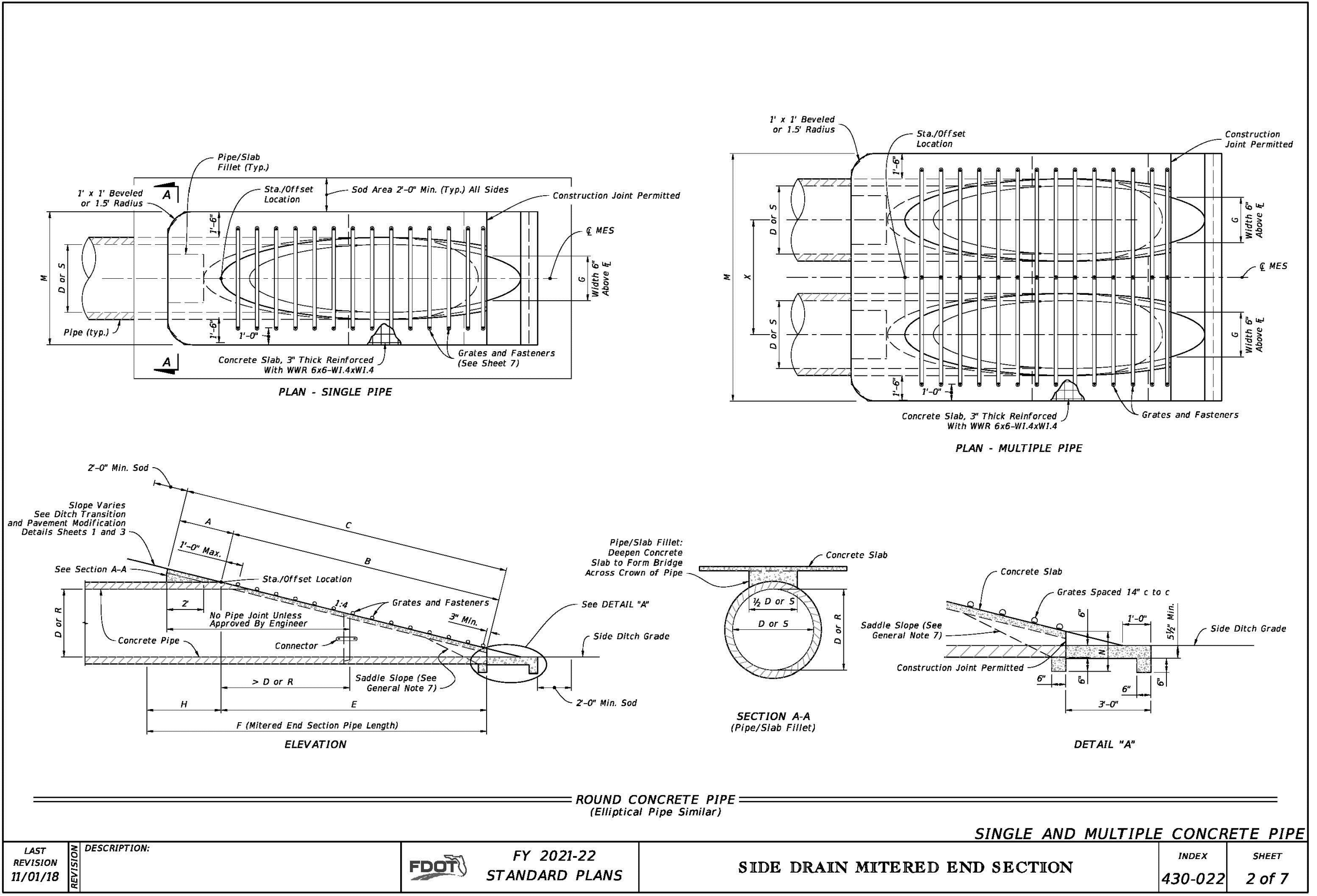
LAST REVISION 11/01/20	DESCRIPTION: FDOT FY 2021-22 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX 102-602	SHEET 2 of 2
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LAST REVISION 11/01/20	DESCRIPTION: FDOT FY 2021-22 STANDARD PLANS	MULTILANE ROADWAY, LANE CLOSURES	INDEX 102-613	SHEET 1 of 5
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LAST REVISION 11/01/19	DESCRIPTION: FDOT FY 2021-22 STANDARD PLANS	SIDE DRAIN MITERED END SECTION	INDEX 430-022	SHEET 1 of 7
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LAST REVISION 11/01/18	DESCRIPTION: FDOT FY 2021-22 STANDARD PLANS	SIDE DRAIN MITERED END SECTION	INDEX 430-022	SHEET 2 of 7
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ISSUE	DATE	BY	DESCRIPTION
05	01/17/2023	AKH	FOR MUNICIPAL RESUBMISSION
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SUNCOAST TECHNICAL COLLEGE COMMERCIAL SUBDIVISION, LOT 1-5
 4300 CAREER LANE
 CITY OF NORTH PORT
 SARASOTA COUNTY, FLORIDA

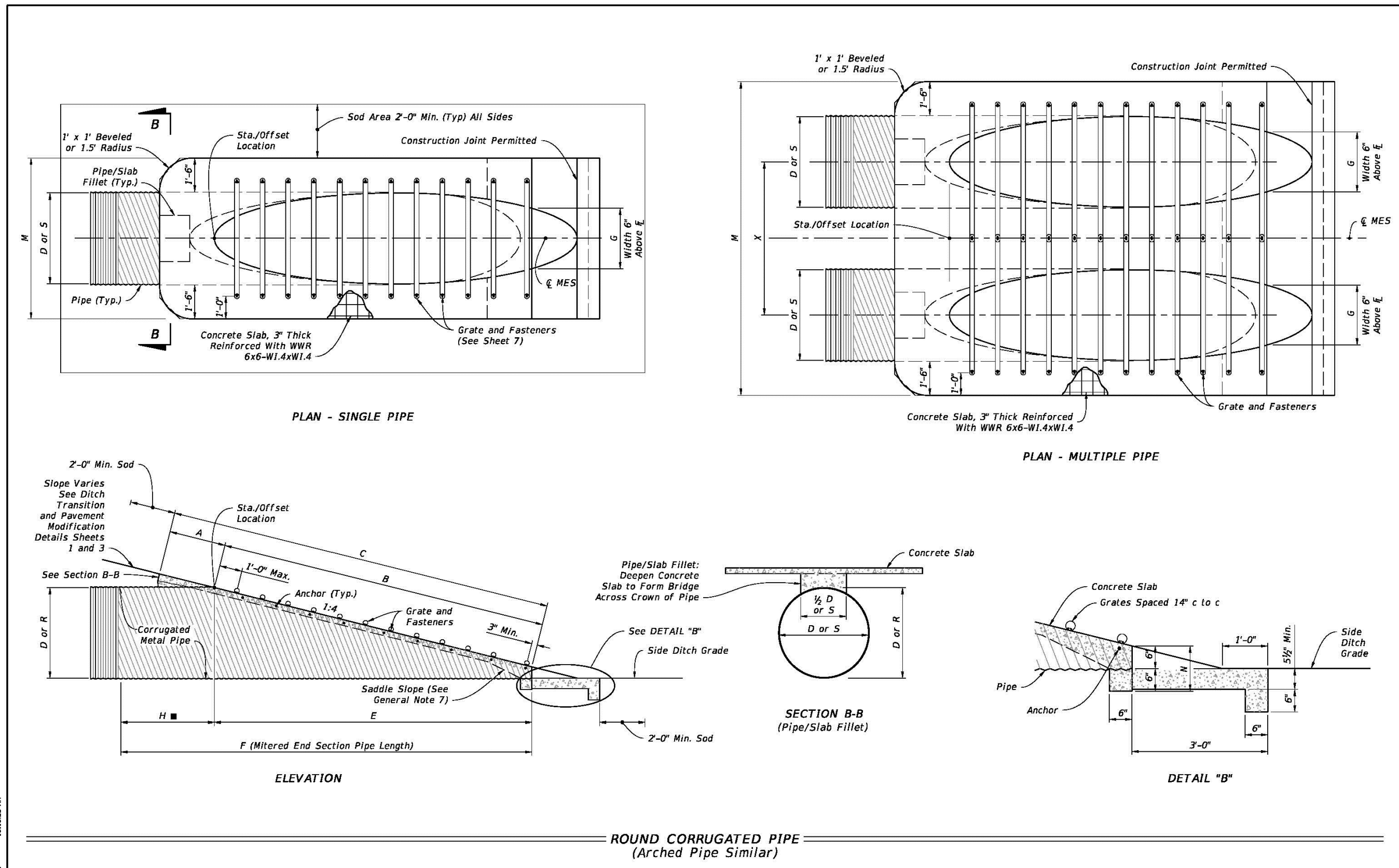
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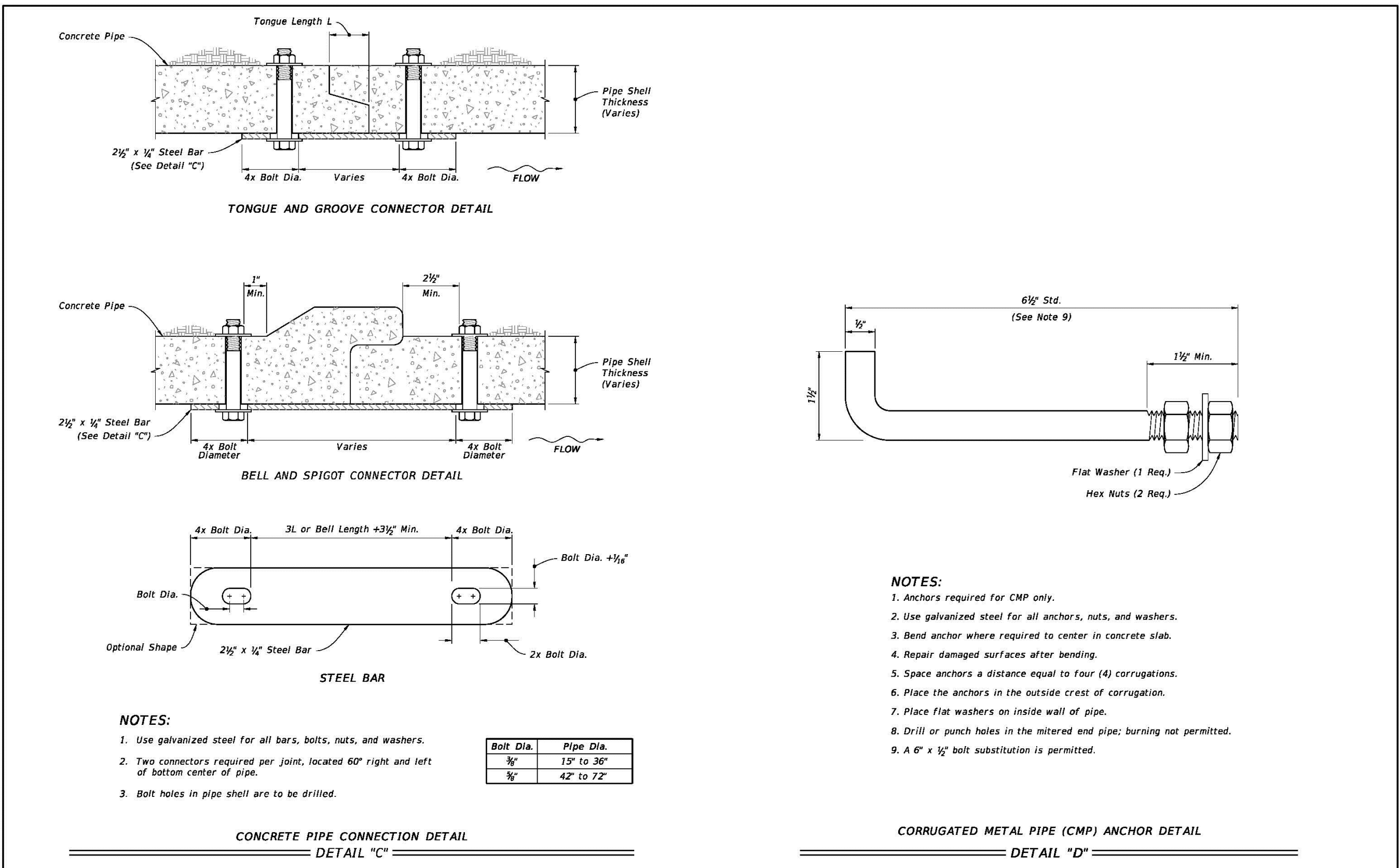
TITLE:
CONSTRUCTION DETAILS (2)

DRAWING:
C-6.1



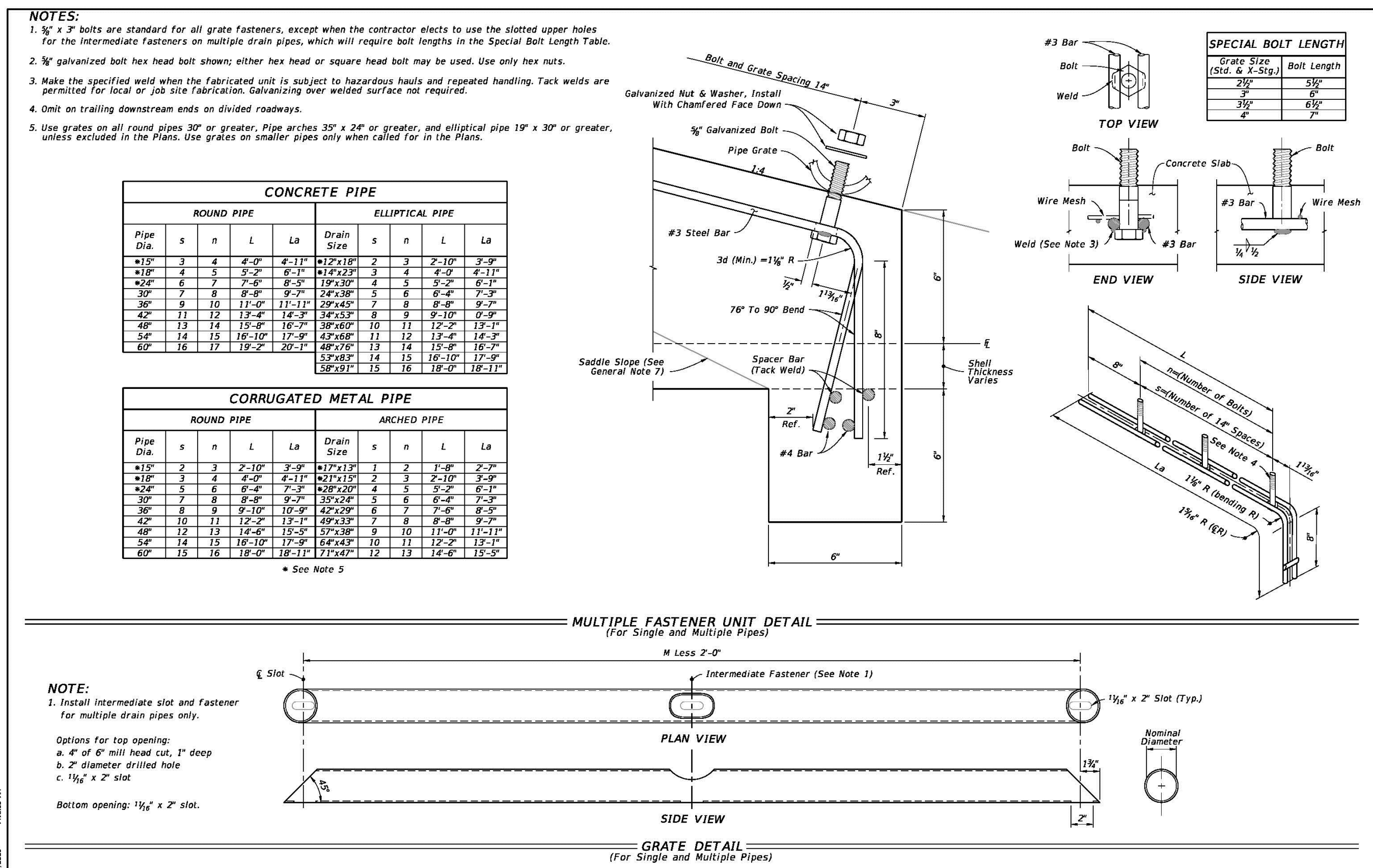
SINGLE AND MULTIPLE CORRUGATED METAL PIPE

LAST REVISION 11/01/19	DESCRIPTION:	FDOT	FY 2021-22 STANDARD PLANS	SIDE DRAIN MITERED END SECTION	INDEX 430-022	SHEET 4 of 7
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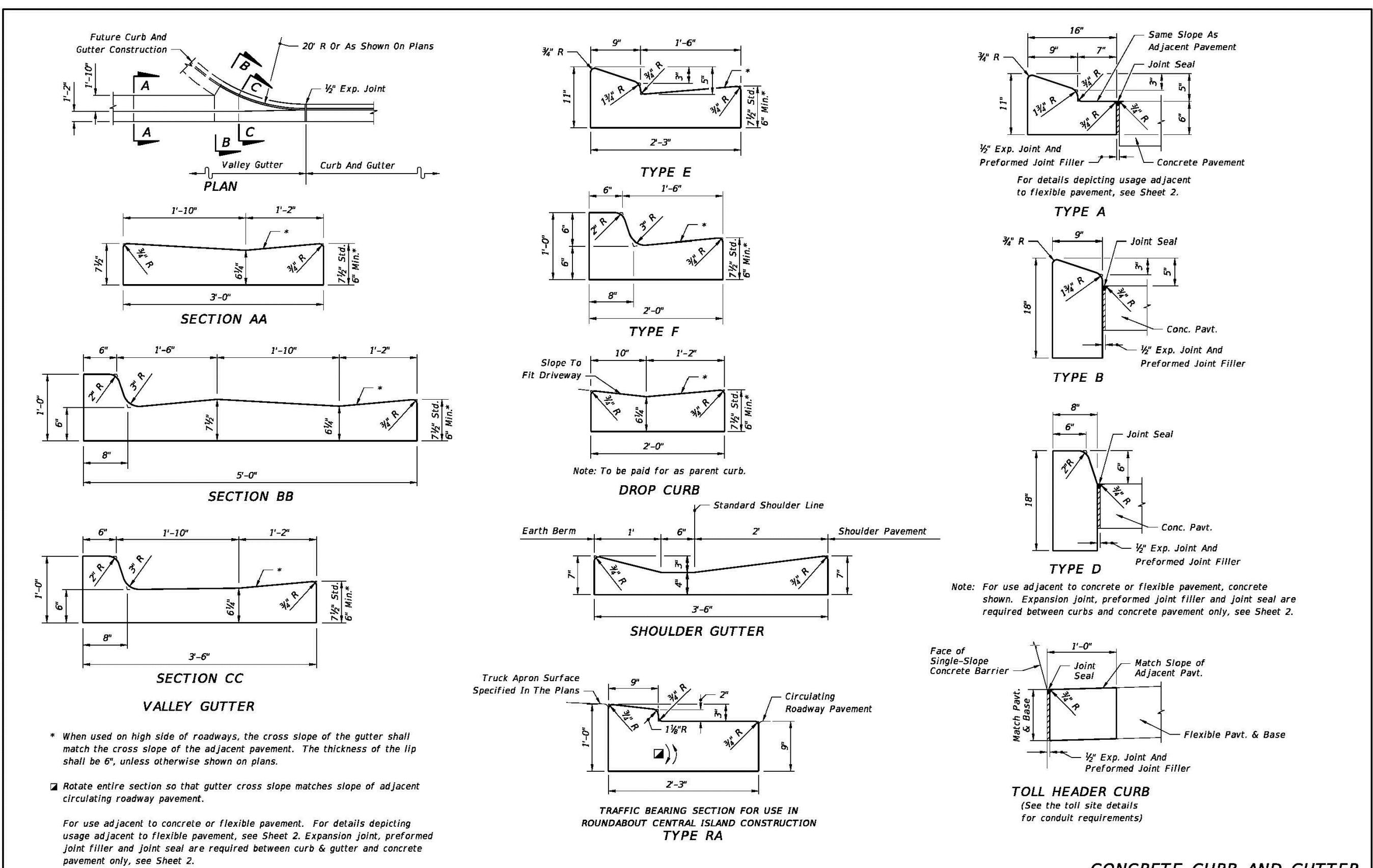
CONCRETE PIPE CONNECTION AND CORRUGATED PIPE ANCHOR DETAILS

LAST REVISION 11/01/19	DESCRIPTION:	FDOT	FY 2021-22 STANDARD PLANS	SIDE DRAIN MITERED END SECTION	INDEX 430-022	SHEET 6 of 7
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FASTENER UNIT AND GRATE DETAILS

LAST REVISION 11/01/20	DESCRIPTION:	FDOT	FY 2021-22 STANDARD PLANS	SIDE DRAIN MITERED END SECTION	INDEX 430-022	SHEET 7 of 7
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CONCRETE CURB AND GUTTER

LAST REVISION 11/01/20	DESCRIPTION:	FDOT	FY 2021-22 STANDARD PLANS	CURB AND GUTTER	INDEX 520-001	SHEET 1 of 2
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05	01/17/2023	ANK	FOR MUNICIPAL RESUBMISSION				
04	12/14/2022	KLS	FOR MUNICIPAL RESUBMISSION				
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				ISSUE	DATE	BY	DESCRIPTION

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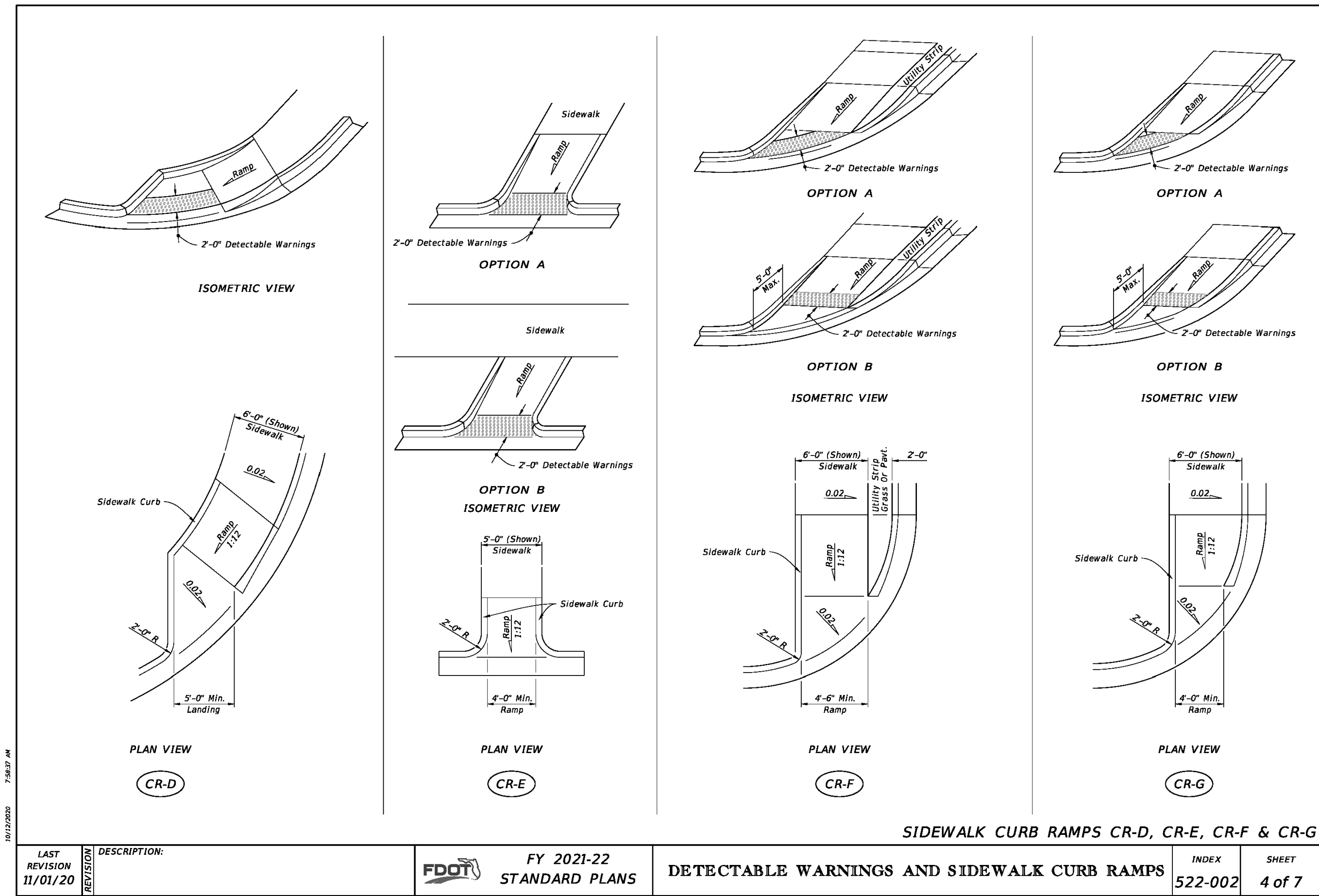
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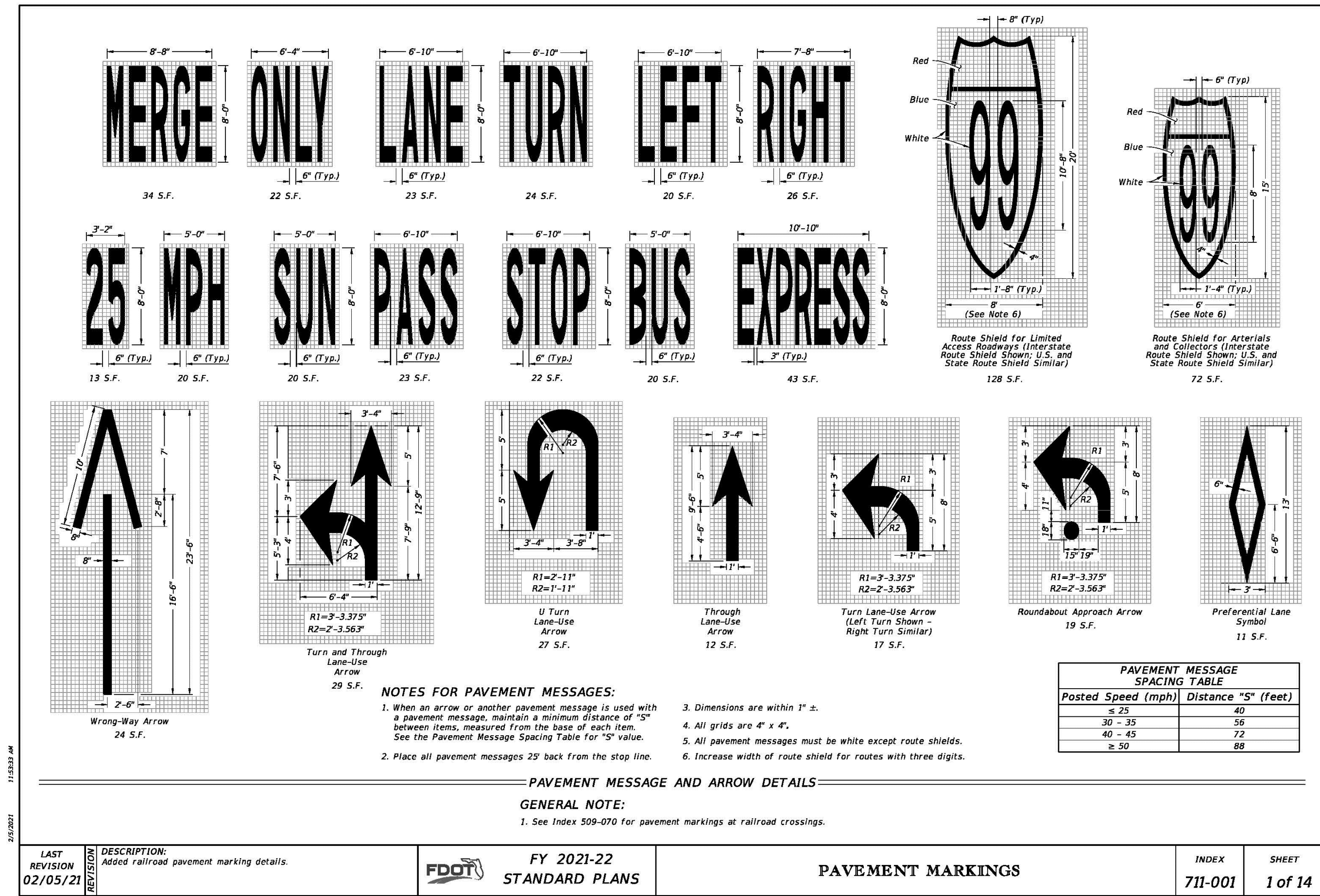
SCALE: AS SHOWN PROJECT ID: F-19029

TITLE: CONSTRUCTION DETAILS (3)

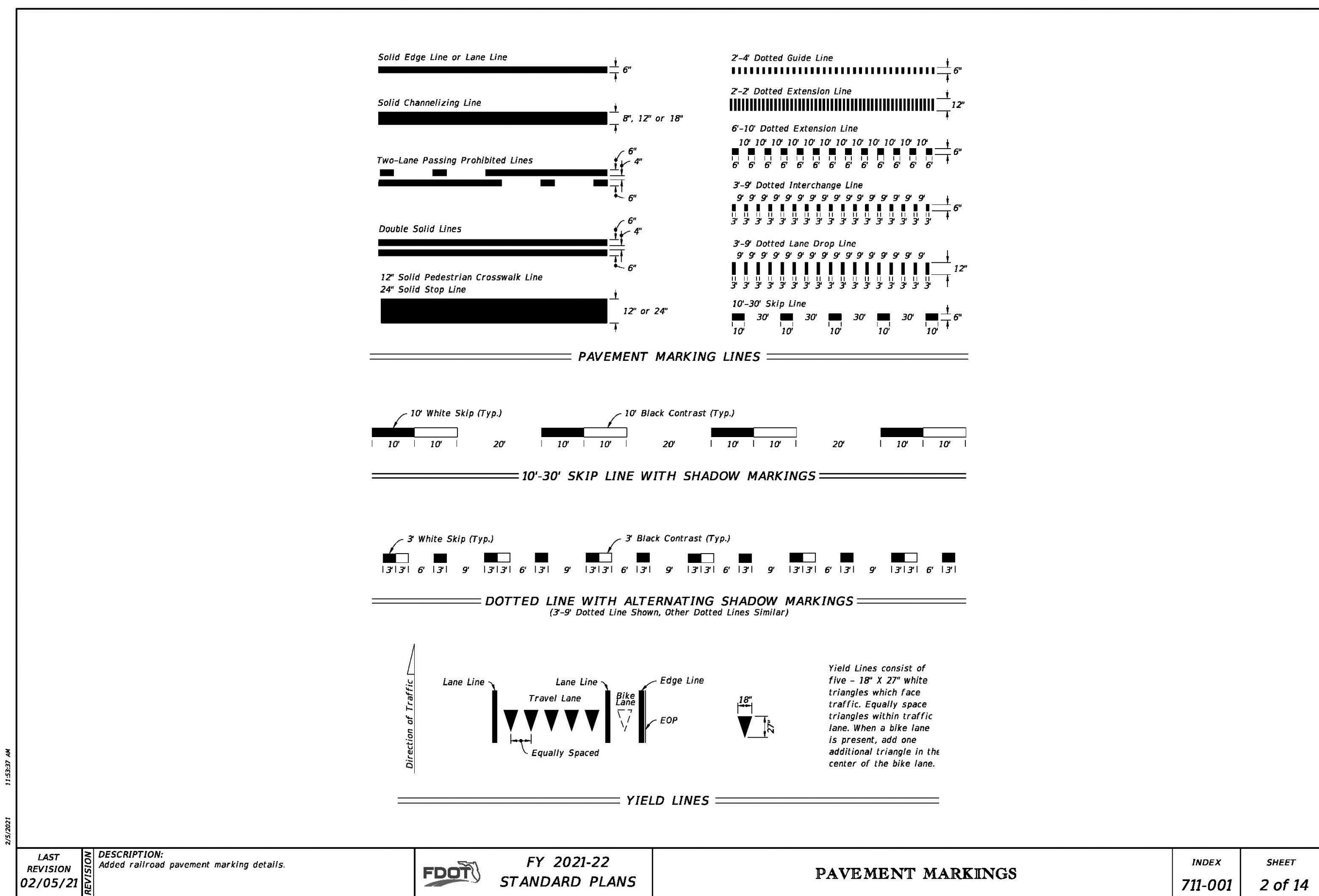
DRAWING: C-6.2



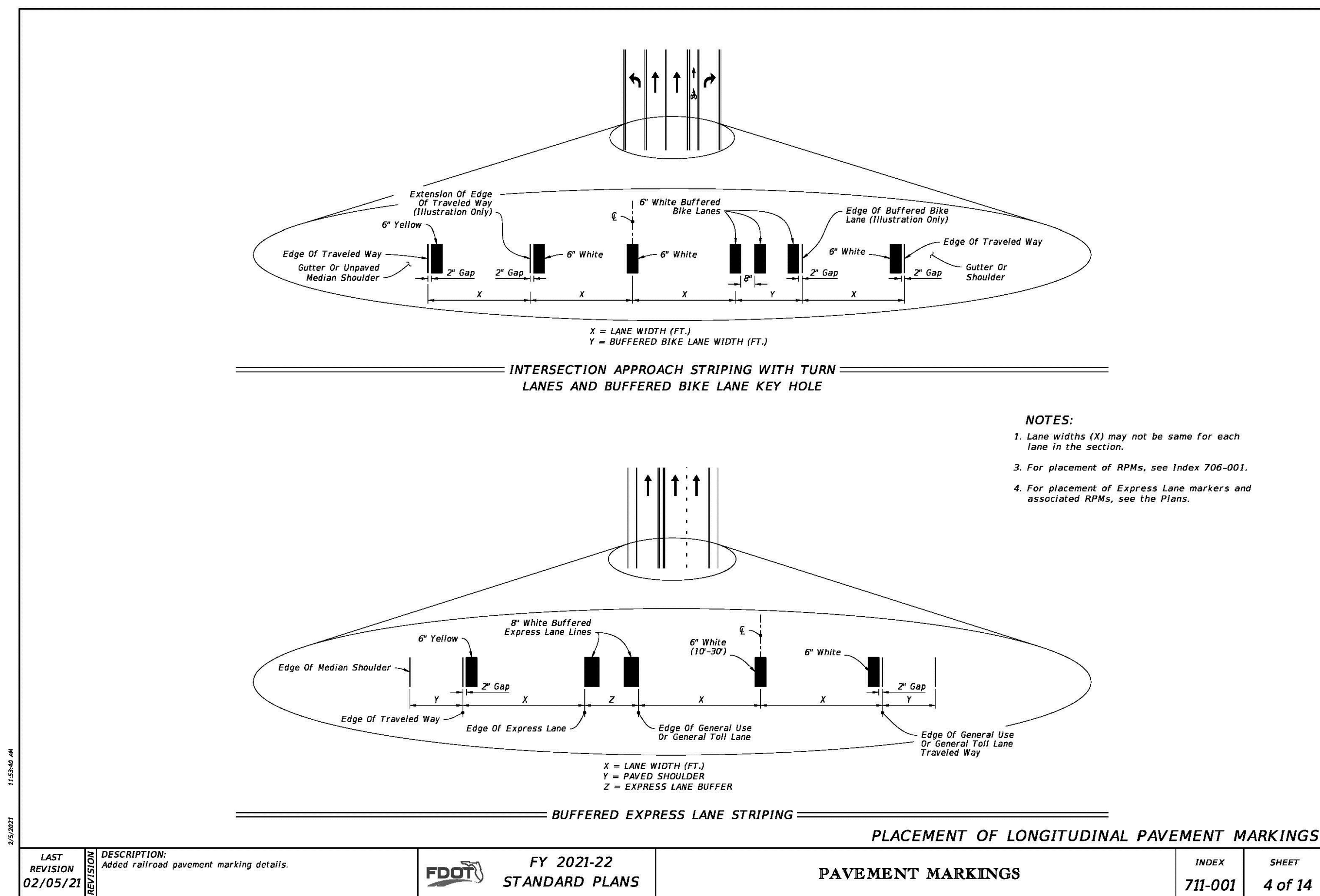
LAST REVISION 11/01/20	DESCRIPTION: Added railroad pavement marking details.	FDOT FY 2021-22 STANDARD PLANS	INDEX 522-002	SHEET 4 of 7
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LAST REVISION 02/05/21	DESCRIPTION: Added railroad pavement marking details.	FDOT FY 2021-22 STANDARD PLANS	INDEX 711-001	SHEET 1 of 14
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LAST REVISION 02/05/21	DESCRIPTION: Added railroad pavement marking details.	FDOT FY 2021-22 STANDARD PLANS	INDEX 711-001	SHEET 2 of 14
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LAST REVISION 02/05/21	DESCRIPTION: Added railroad pavement marking details.	FDOT FY 2021-22 STANDARD PLANS	INDEX 711-001	SHEET 4 of 14
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05	01/17/2023	ANK	FOR MUNICIPAL RESUBMISSION
04	12/14/2022	KLS	FOR MUNICIPAL RESUBMISSION
03	07/08/2022	ARD	CITY OF NORTH PORT COMMENTS
02	08/31/2021	ARD	FOR CITY OF NORTH PORT REVIEW
01	02/10/2021	ERS	FOR CLIENT REVIEW

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SUNCOAST TECHNICAL COLLEGE COMMERCIAL OUTPARCELS

SUNCOAST TECHNICAL COLLEGE COMMERCIAL SUBDIVISION, LOT 1-5
4300 CAREER LANE
CITY OF NORTH PORT
SARASOTA COUNTY, FLORIDA

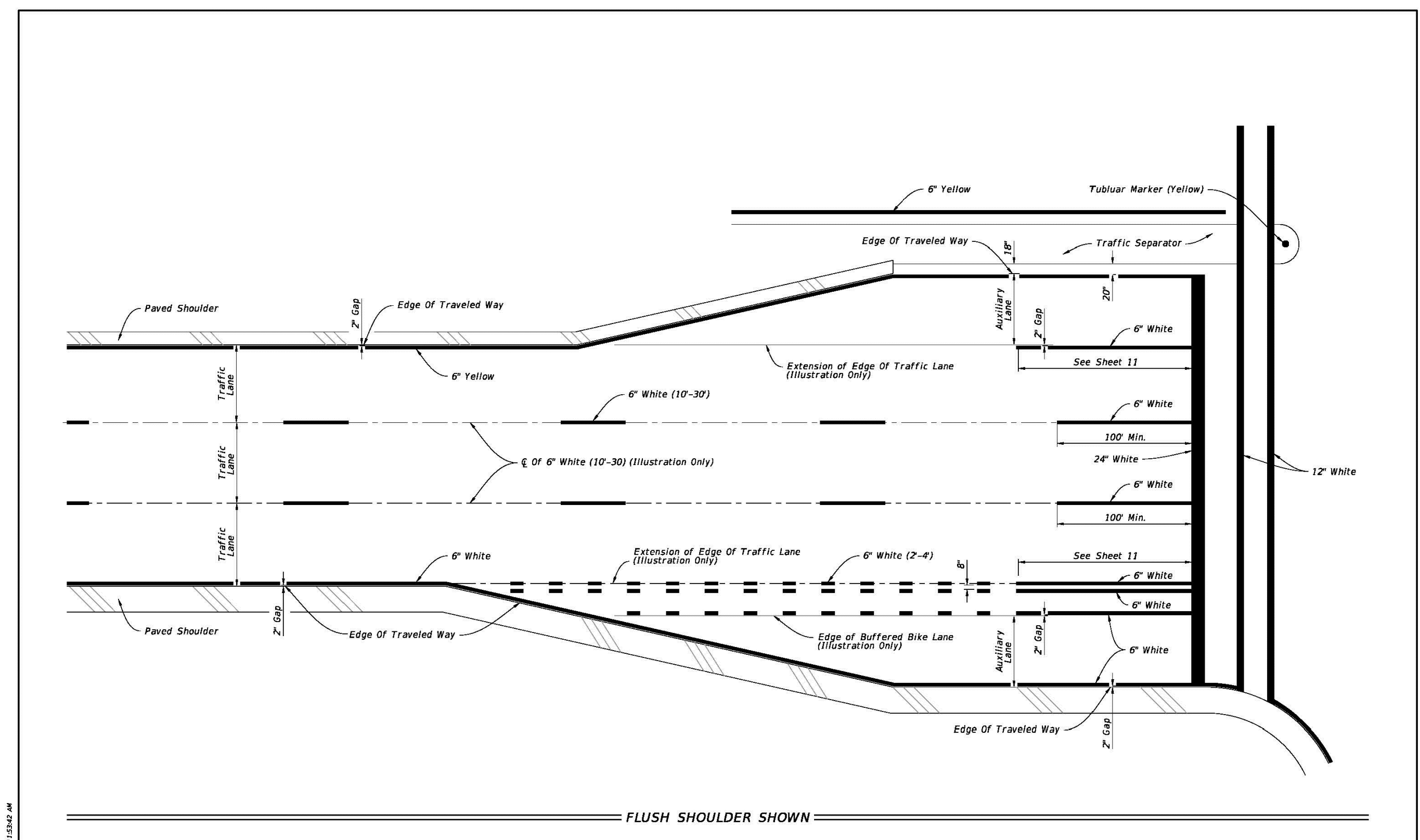
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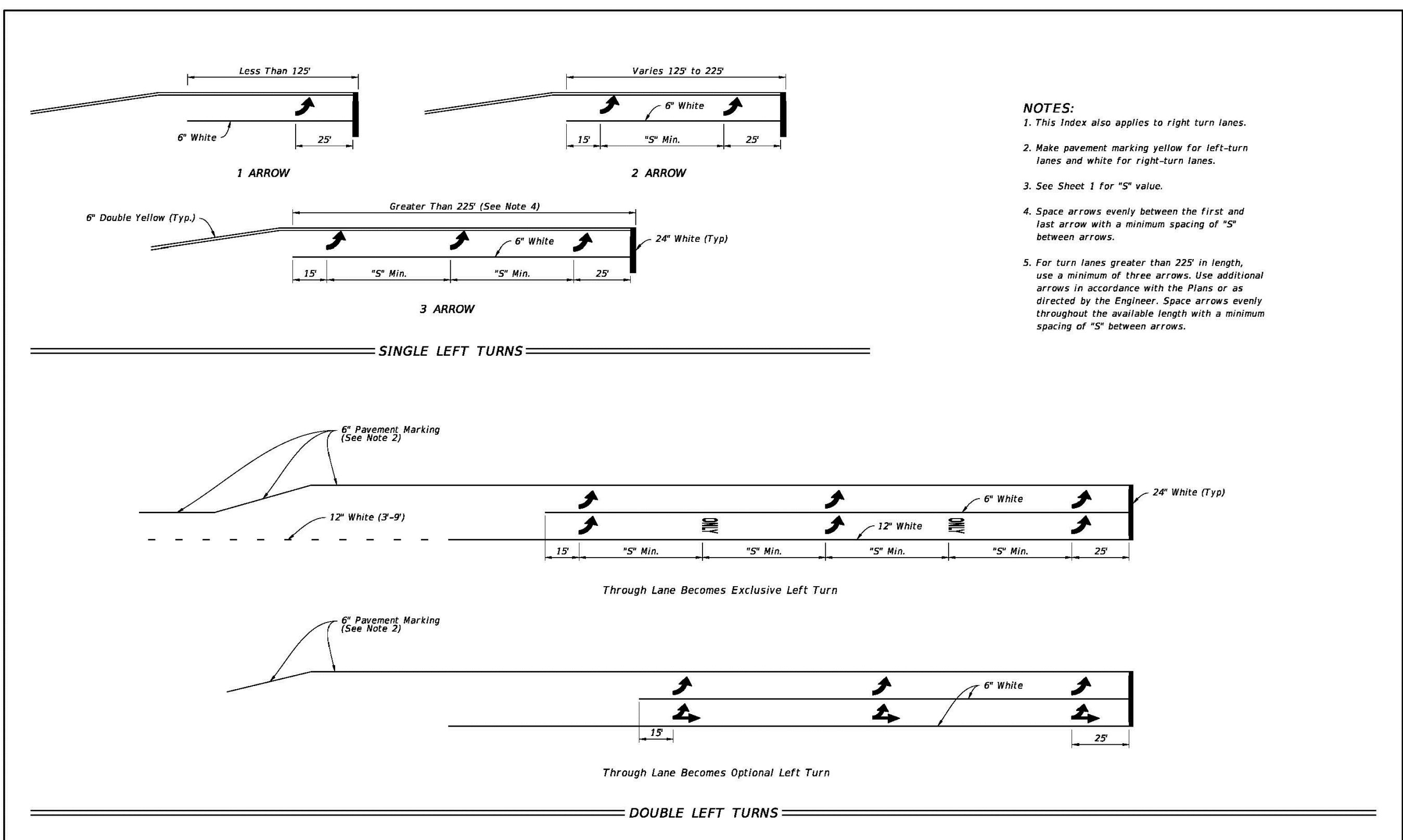
TITLE:
CONSTRUCTION DETAILS (4)

DRAWING:
C-6.3



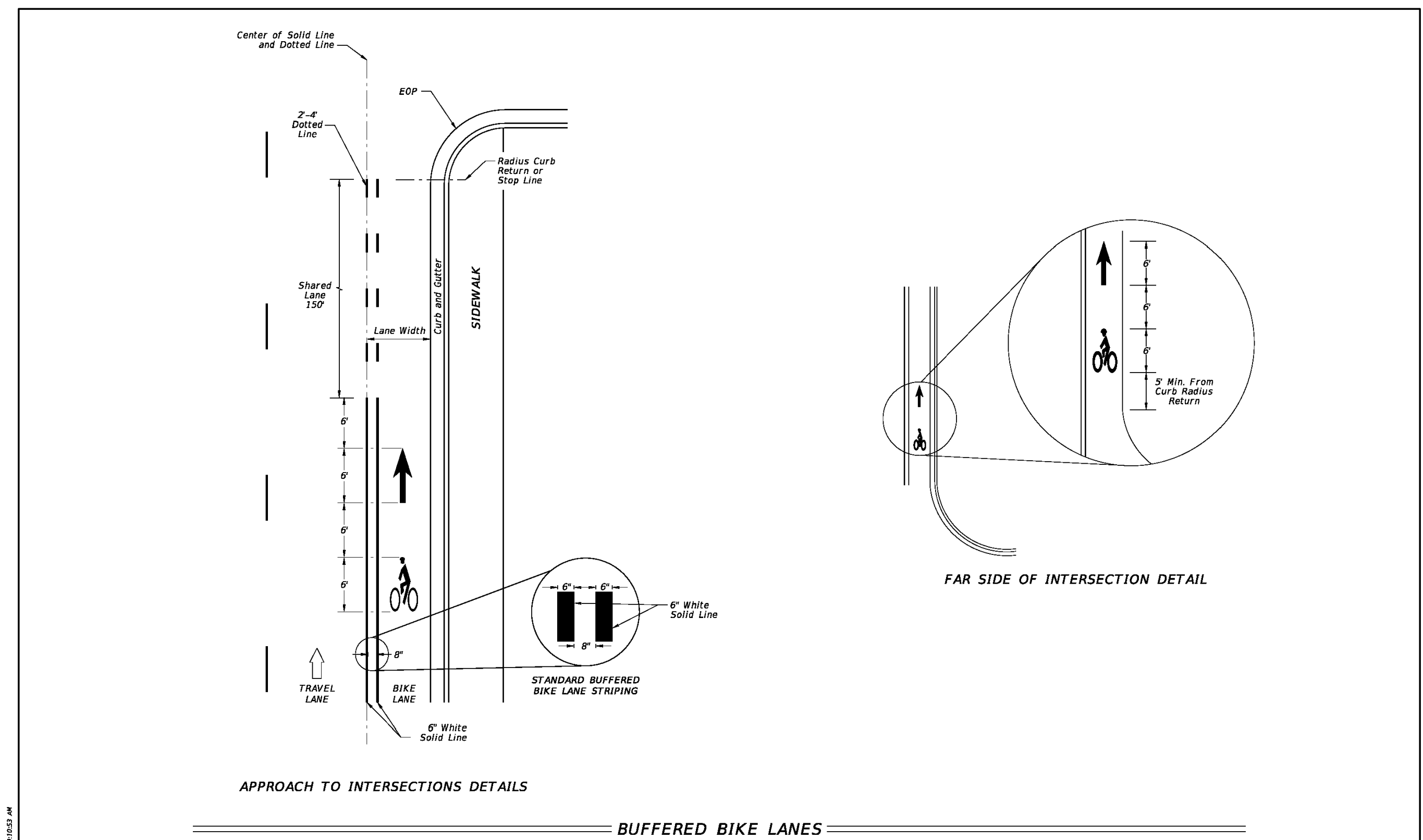
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LAST REVISION: 02/05/21	DESCRIPTION: Added railroad pavement marking details.	FDOT	FY 2021-22 STANDARD PLANS	PAVEMENT MARKINGS	INDEX 711-001	SHEET 6 of 14
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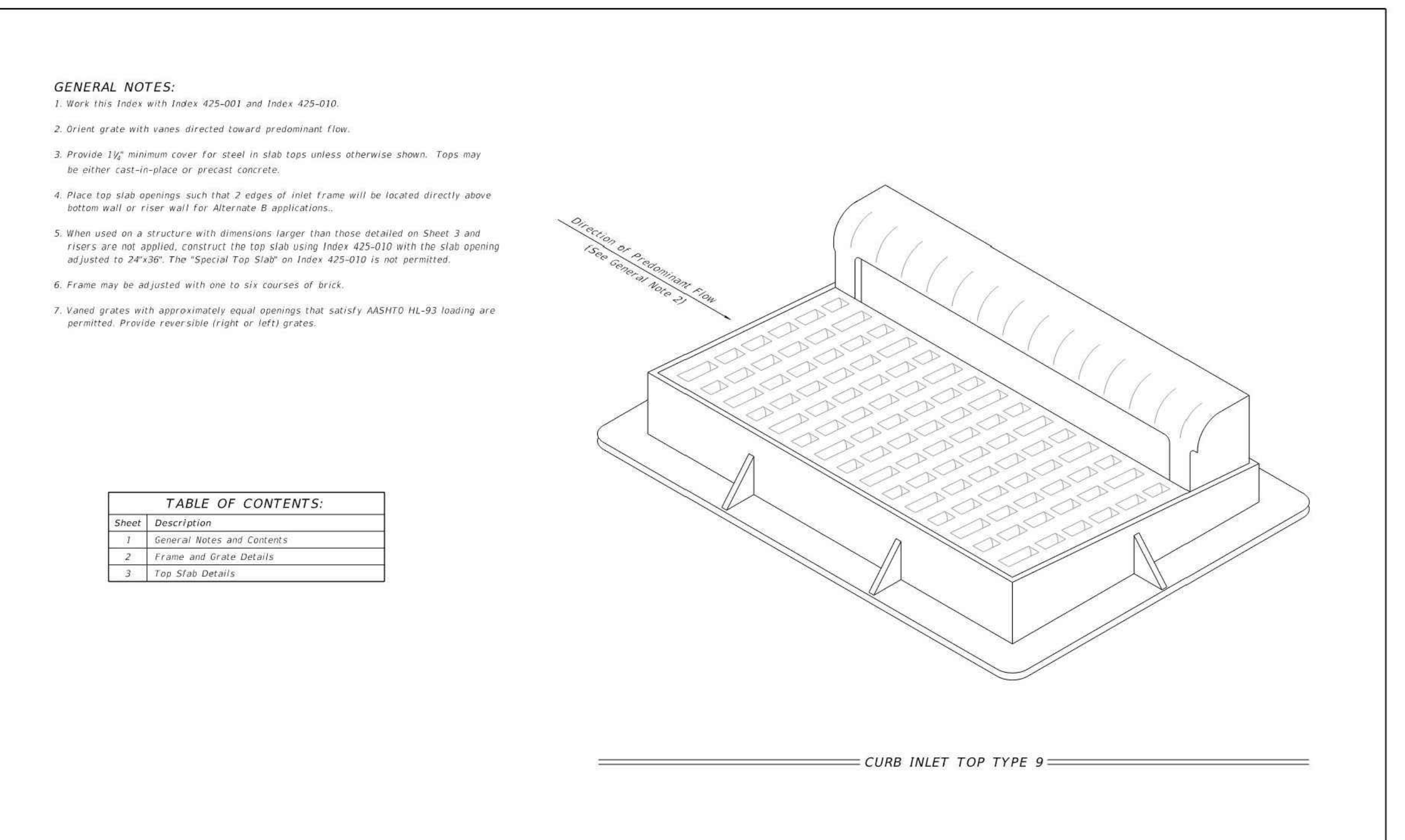
TURN LANE MARKINGS

LAST REVISION: 02/05/21	DESCRIPTION: Added railroad pavement marking details.	FDOT	FY 2021-22 STANDARD PLANS	PAVEMENT MARKINGS	INDEX 711-001	SHEET 11 of 14
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BUFFERED BIKE LANES

LAST REVISION: 11/01/17	DESCRIPTION: Added railroad pavement marking details.	FDOT	FY 2021-22 STANDARD PLANS	BICYCLE MARKINGS	INDEX 711-002	SHEET 2 of 2
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CURB INLET TOP TYPE 9

LAST REVISION: 11/01/20	DESCRIPTION: Added railroad pavement marking details.	FDOT	FY 2022-23 STANDARD PLANS	CURB INLET TOP TYPE 9	INDEX 425-024	SHEET 1 of 3
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21/01/2021 09:20 AM SITE DEVELOPMENT - NORTH CHAMBERLY BLVD. & TOLEDO BLVD. N. NORTH PORT, FLORIDA. 11/01/2021 09:20 AM SITE DEVELOPMENT

FOR MUNICIPAL RESUBMISSION	FOR MUNICIPAL RESUBMISSION	FOR MUNICIPAL RESUBMISSION	FOR MUNICIPAL RESUBMISSION	FOR MUNICIPAL RESUBMISSION	FOR MUNICIPAL RESUBMISSION	FOR MUNICIPAL RESUBMISSION
05	04	03	02	01	ISSUE	BY
01/17/2023	12/14/2022	07/08/2022	08/31/2021	02/10/2021	DATE	DESCRIPTION

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CITY OF NORTH PORT
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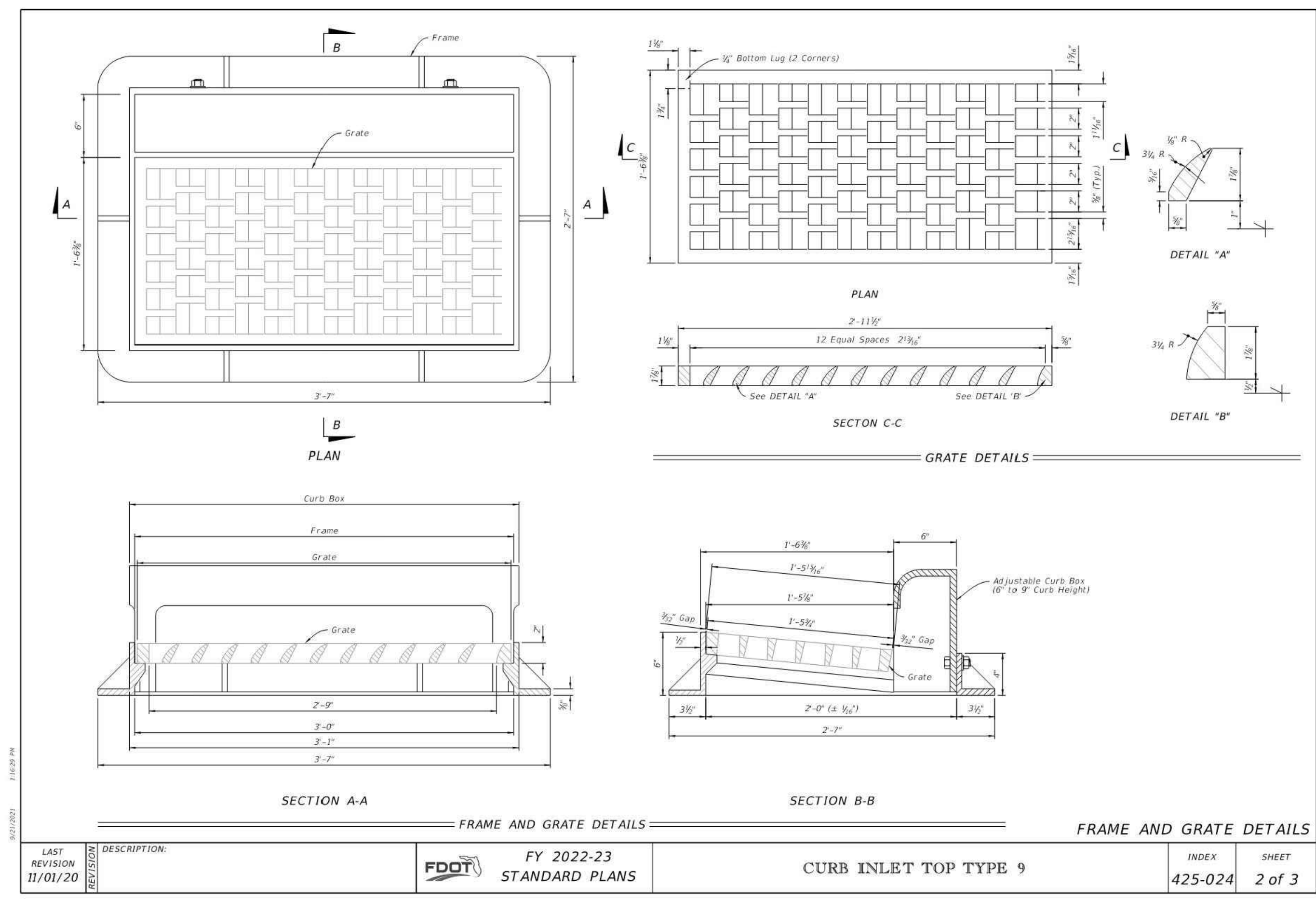
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TITLE:
CONSTRUCTION DETAILS (5)

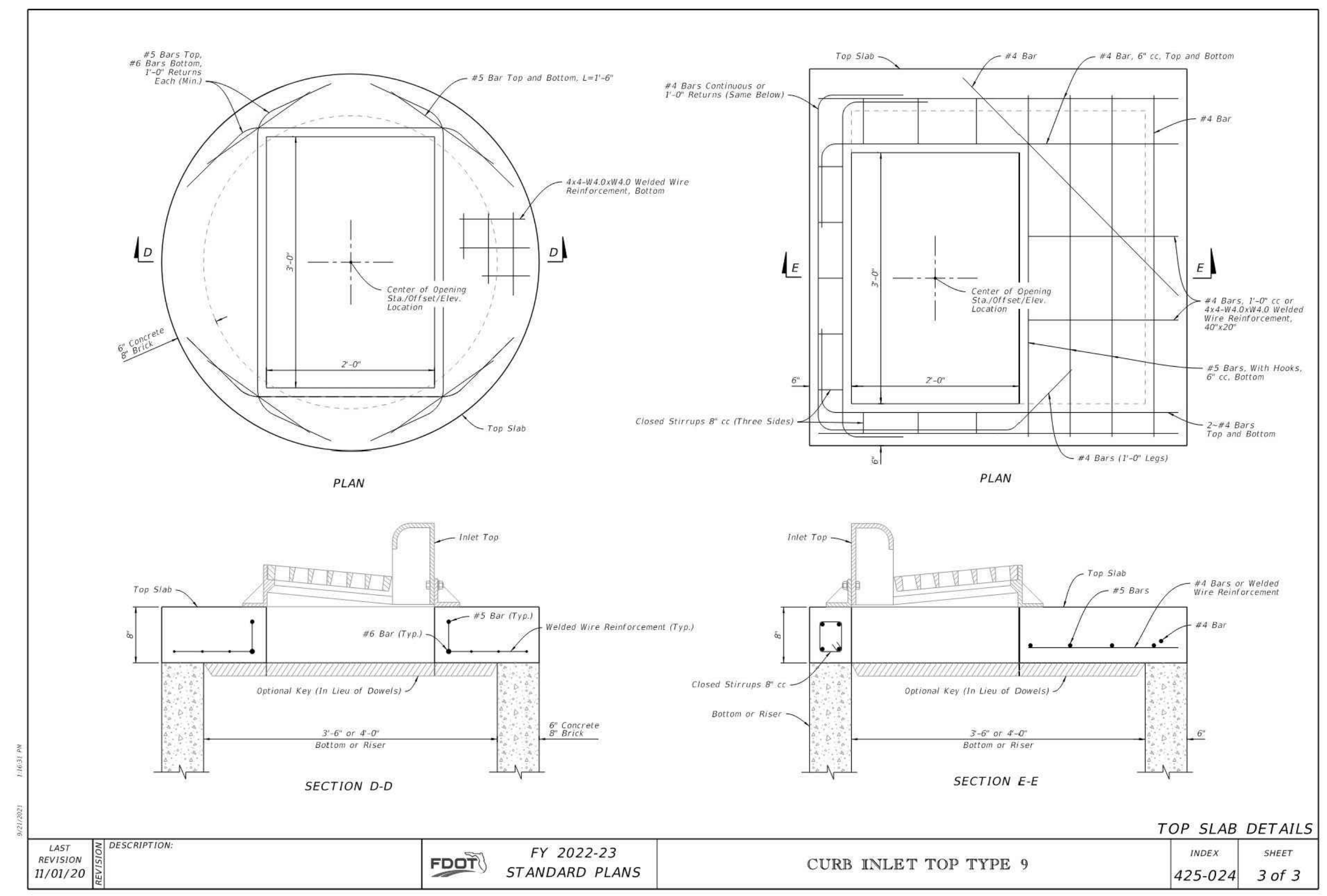
DRAWING:

C-6.4



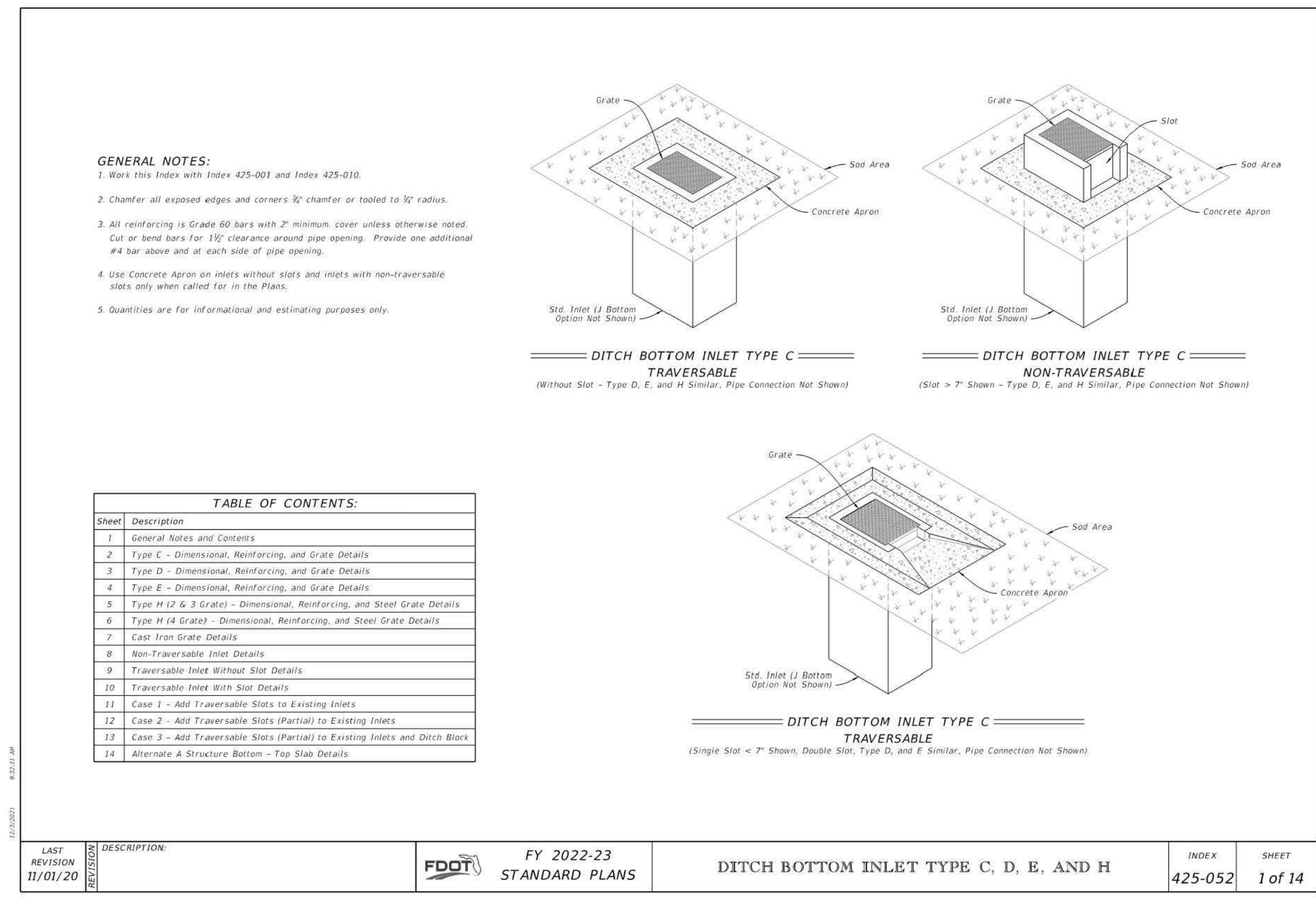
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				425-024	2 of 3

1



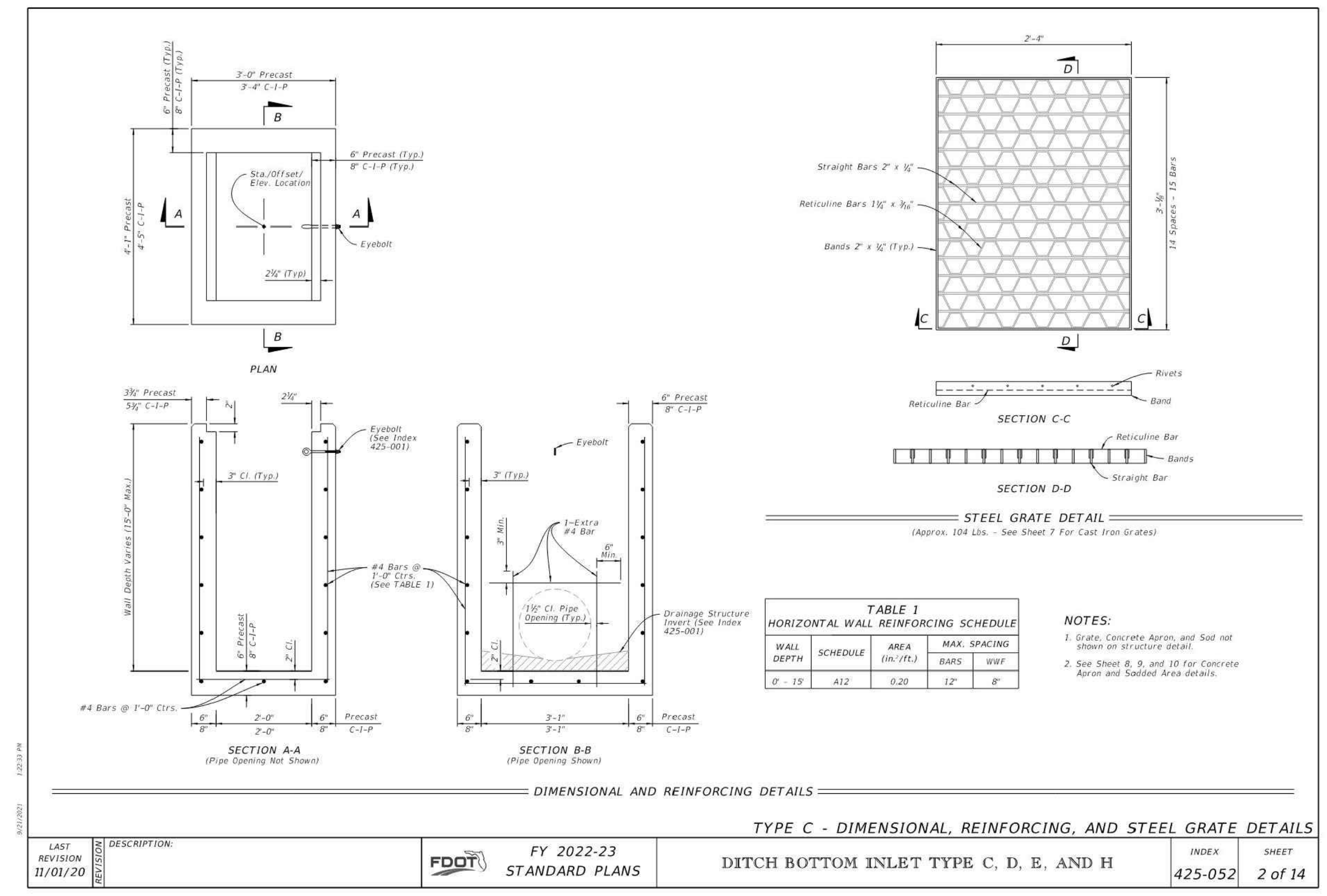
LAST REVISION 11/01/20	DESCRIPTION:	FDOT	FY 2022-23 STANDARD PLANS	INDEX	SHEET
				425-024	3 of 3

2



LAST REVISION 11/01/20	DESCRIPTION:	FDOT	FY 2022-23 STANDARD PLANS	INDEX	SHEET
				425-052	1 of 14

3



LAST REVISION 11/01/20	DESCRIPTION:	FDOT	FY 2022-23 STANDARD PLANS	INDEX	SHEET
				425-052	2 of 14

4

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05 01/17/2023
04 12/14/2022
03 07/08/2022
02 08/31/2021
01 02/10/2021

ISSUE DATE BY DESCRIPTION

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SITE DEVELOPMENT PLANS

SUNCOAST TECHNICAL COLLEGE COMMERCIAL OUTPARCELS

SUNCOAST TECHNICAL COLLEGE COMMERCIAL SUBDIVISION, LOT 1-5
4300 CAREER LANE
CITY OF NORTH PORT
SARASOTA COUNTY, FLORIDA

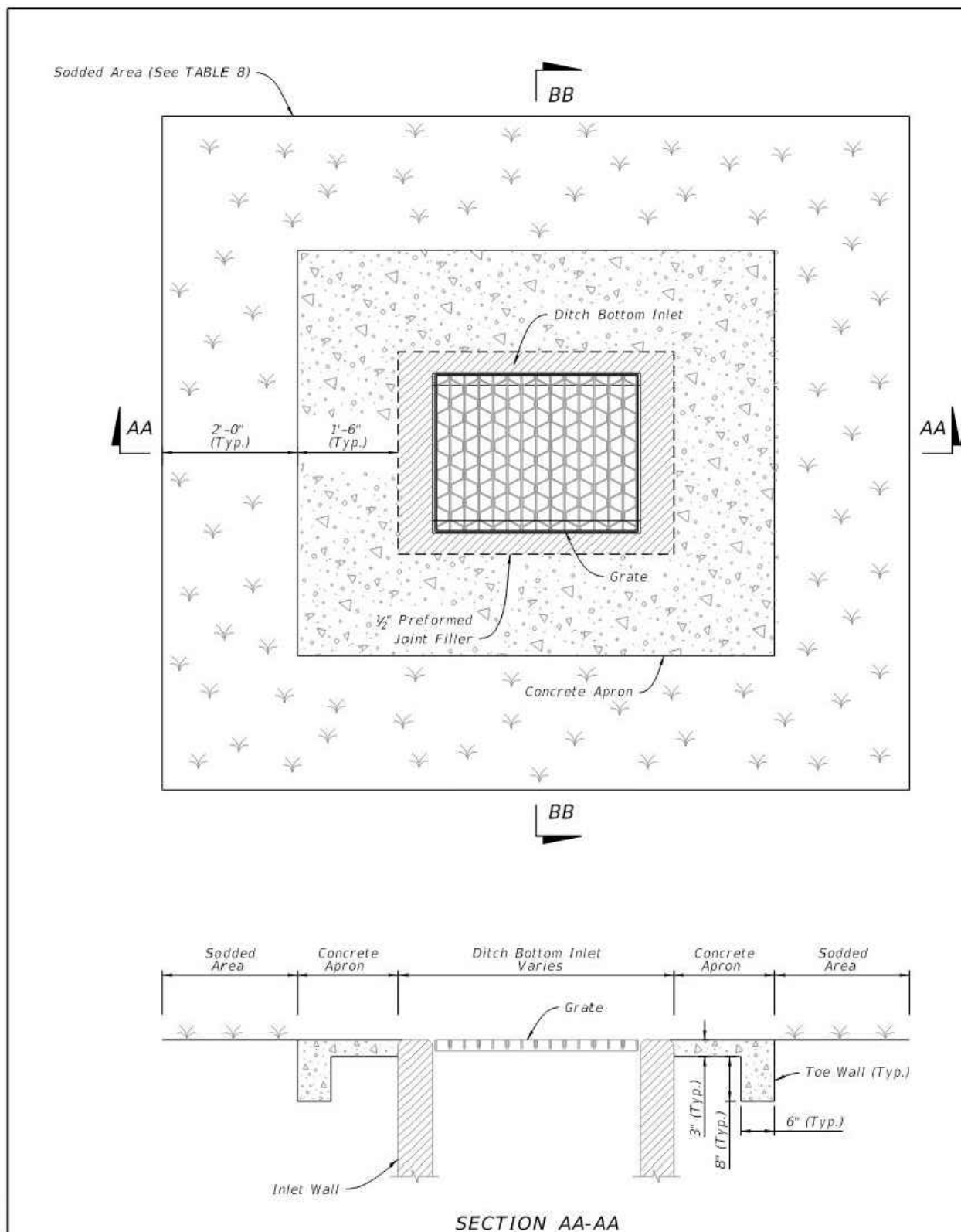
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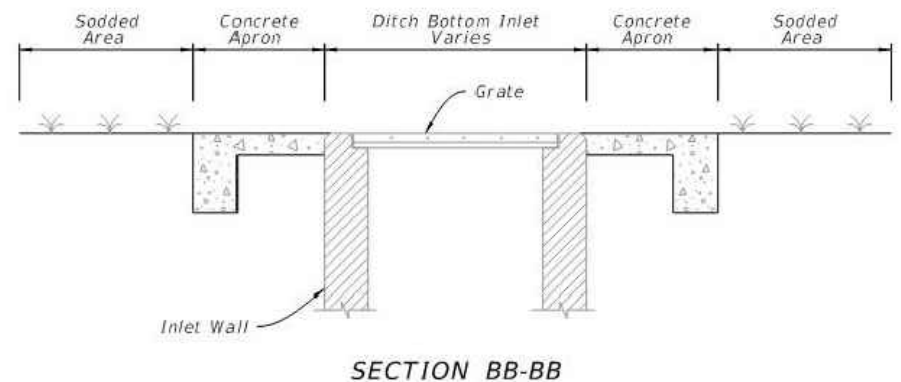
TITLE:
CONSTRUCTION DETAILS (6)

DRAWING:
C-6.5



SOD AND PAVEMENT		
Inlet Type	Sod SY	Conc. CY
C	8	0.30
D	9	0.36
E	9	0.37
H	11	0.45

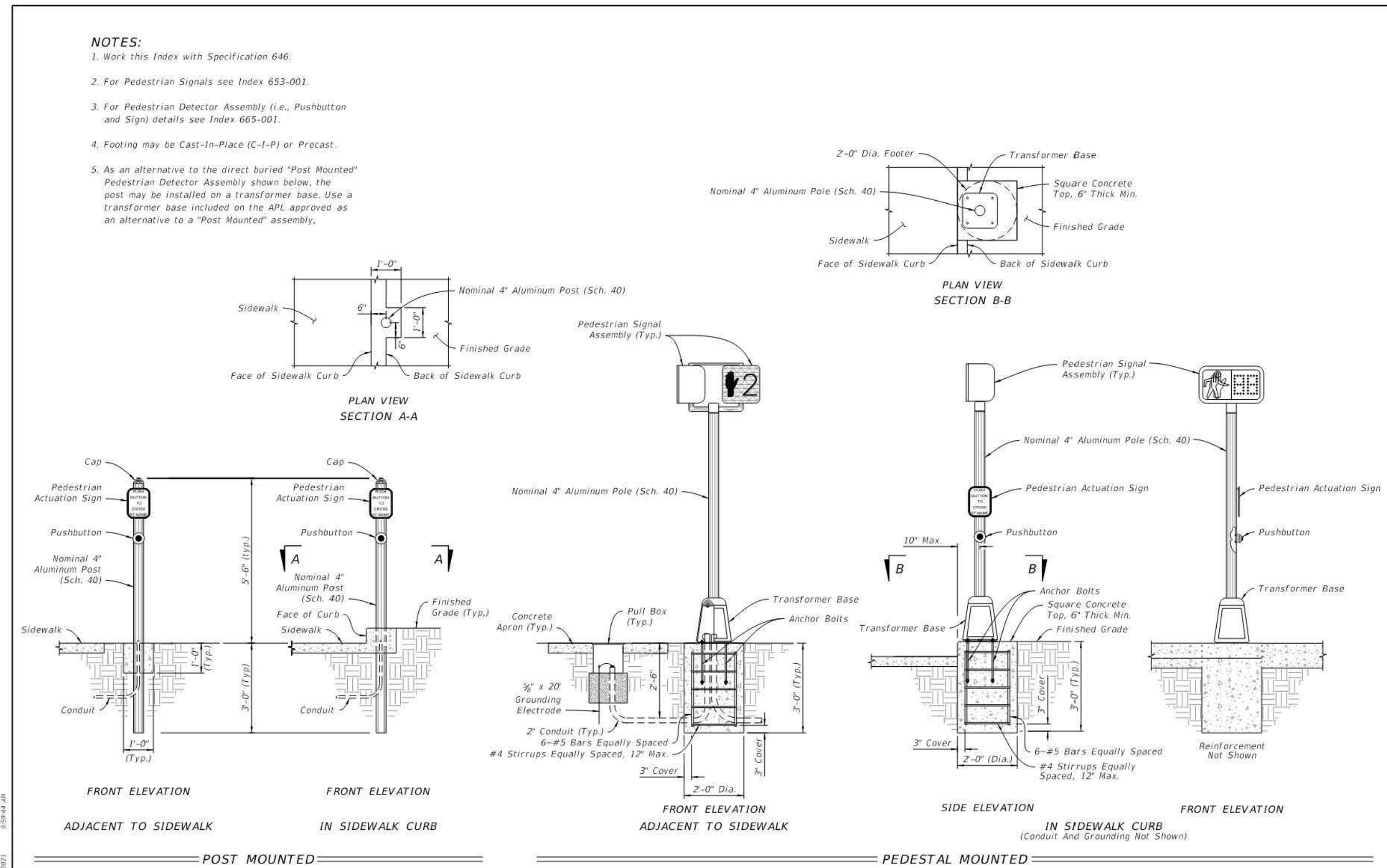
NOTES:
1. Concrete Apron to be installed only where called for in the Plans.
2. Sod always required.



TRAVERSABLE INLET WITHOUT SLOT DETAILS

LAST REVISION	DESCRIPTION	INDEX	SHEET
11/01/20			

FDOT	FY 2022-23 STANDARD PLANS	DITCH BOTTOM INLET TYPE C, D, E, AND H	INDEX 425-052	SHEET 9 of 14
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NOTES:
1. Work this Index with Specification 646.
2. For Pedestrian Signals see Index 653-001.
3. For Pedestrian Detector Assembly (i.e., Pushbutton and Sign) details see Index 665-001.
4. Footing may be Cast-In-Place (C-I-P) or Precast.
5. As an alternative to the direct buried "Post Mounted" Pedestrian Detector Assembly shown below, the post may be installed on a transformer base. Use a transformer base included on the APL approved as an alternative to a "Post Mounted" assembly.

LAST REVISION	DESCRIPTION	INDEX	SHEET
11/01/21			

FDOT	FY 2022-23 STANDARD PLANS	ALUMINUM POST AND PEDESTAL MOUNTED PEDESTRIAN DETECTORS AND SIGNALS	INDEX 646-001	SHEET 1 of 1
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Arm ID	Arm Length (ft)	Arm Extension (ft)	Base Plate (ft)
A30/S	30	11	22 25
A30/S/H	30	12	22 25
A30/D	30	11	30 36
A30/D/H	30	12	30 36
A40/S	40	13	22 27
A40/S/H	40	14	22 27
A40/D	40	13	30 36
A40/D/H	40	14	30 36
A50/S	32.5	12	22 29
A50/S/H	32.5	13	22 29
A50/D	32.5	12	30 36
A50/D/H	32.5	13	30 36
A60/S	35.5	12	22 31
A60/S/H	35.5	13	22 31
A60/D	35.5	12	30 36
A60/D/H	35.5	13	30 36
A70/S	38	13	22 33
A70/S/H	38	14	22 33
A70/D	38	13	30 36
A70/D/H	38	14	30 36
A75/S	39	13	22 34
A75/S/H	39	14	22 34
A75/D	39	13	30 36
A75/D/H	39	14	30 36

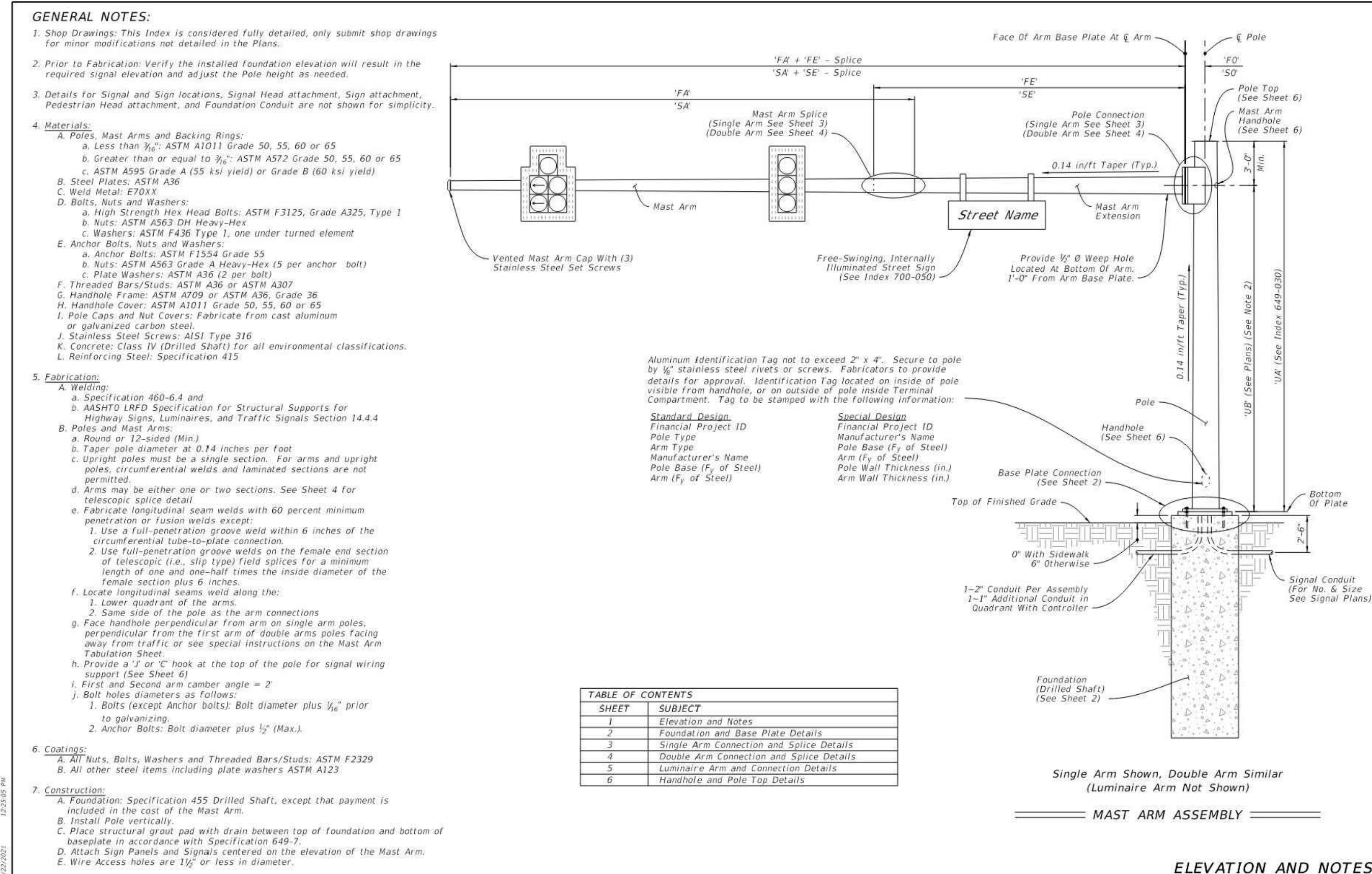
Pole ID	Upright	Base Plate	Arm-Upright Connection
P1/S	16	32	14
P1/S/L	16	32	14
P1/D	16	36	23
P1/D/L	16	36	23
P2/S	18	34	15
P2/S/L	18	34	15
P2/D	18	36	23
P2/D/L	18	36	23
P3/S	20	36	17
P3/S/L	20	36	17
P3/D	20	36	23
P3/D/L	20	36	23
P4/S	22	38	17
P4/S/L	22	38	17
P4/D	22	38	23
P4/D/L	22	38	23
P5/S	24	40	18
P5/S/L	24	40	18
P5/D	24	40	23
P5/D/L	24	40	23
P6/S	26	42	19
P6/S/L	26	42	19
P6/D	26	42	23
P6/D/L	26	42	23

Drilled Shaft ID	DA (ft)	DB (ft)	RA (ft)	RB (ft)	RC (ft)	RD (ft)	RE (ft)	RF (ft)
DS12/4.0	12	4.0	11	14	8	12		
DS12/4.5	12	4.5	11	16	8	12		
DS14/4.5	14	4.5	11	16	10	8		
DS14/5.0	14	5.0	11	18	10	8		
DS16/4.5	16	4.5	11	16	10	8		
DS16/5.0	16	5.0	11	18	10	8		
DS18/5.0	18	5.0	11	18	10	8		
DS20/5.0	20	5.0	11	18	10	6	10	9
DS25/5.0	25	5.0	11	18	10	6	10	9

LA (ft)	LB (ft)	LC (ft)	LD (ft)	LE (ft)	LF (ft)	LG (ft)	LH (ft)	LI (ft)	LJ (ft)	LK (ft)	LL (ft)	LM (ft)	LN (ft)	LO (ft)
40	10	3	0.125	0.5	8	0.5	0.75	0.25	0.25	0	37.5			

LAST REVISION	DESCRIPTION	INDEX	SHEET
11/01/20			

FDOT	FY 2022-23 STANDARD PLANS	STANDARD MAST ARM ASSEMBLIES	INDEX 649-030	SHEET 1 of 1
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GENERAL NOTES:
1. Shop Drawings: This Index is considered fully detailed, only submit shop drawings for minor modifications not detailed in the Plans.
2. Prior to Fabrication: Verify the installed Foundation Elevation will result in the required signal elevation and adjust the Pole height as needed.
3. Details for Signal and Sign locations, Signal Head attachment, Sign attachment, Pedestrian Head attachment, and Foundation Conduit are not shown for simplicity.
4. Materials:
A. Poles, Mast Arms and Backing Rings:
a. Less than 3/4" ASTM A1011 Grade 50, 55, 60 or 65
b. Greater than or equal to 3/4" ASTM A572 Grade 50, 55, 60 or 65
c. ASTM A395 Grade A (55 ksi yield) or Grade B (60 ksi yield)
D. Steel Plates: ASTM A36
E. Weld Metal: E7018
F. Bolts, Nuts and Washers:
a. High Strength Hex Head Bolts: ASTM F1554, Grade A325, Type 1
b. Nuts: ASTM A563 D11 Heavy-Hex
c. Washers: ASTM F436 Type 1, one under turned element
G. Anchor Bolts, Nuts and Washers:
a. Anchor Bolts: ASTM F1554 Grade 55
b. Nuts: ASTM A563 Grade A Heavy-Hex (5 per anchor bolt)
c. Plate Washers: ASTM A36 (1 per bolt)
H. Threaded Bars/Studs: ASTM A36 or ASTM A307
I. Handhole Frame: ASTM A307 or ASTM A36, Grade 36
J. Handhole Cover: ASTM A1011 Grade 50, 55, 60 or 65
K. Pole Caps and Nut Covers: Fabricate from cast aluminum or galvanized carbon steel.
L. Stainless Steel Screws: A31 Type 316
M. Concrete: Class IV (Drilled Shaft) for all environmental classifications.
N. Reinforcing Steel: Specification 415
5. Fabrication:
A. Welding:
a. Specification 460-6.4 and
b. AWS D1.1W Specification for Structural Supports for Highway Signs, Luminaires, and Traffic Signals Section 14.4.4
B. Poles and Mast Arms:
a. Round or 12-sided (Min.)
b. Taper: pole diameter at 0.14 inches per foot
c. Upright poles must be a single section. For arms and upright poles, circumferential welds and laminated sections are not permitted.
d. Arms may be either one or two sections. See Sheet 4 for telescopic splice detail.
e. Fabricate longitudinal seam welds with 60 percent minimum penetration or fusion welds except:
1. Use a full-penetration groove weld within 6 inches of the circumferential tube-to-plate connection.
2. Use full-penetration groove welds on the female end section of telescopic (i.e., slip type) field splices for a minimum length of one and one-half times the inside diameter of the female section plus 6 inches.
f. Locate longitudinal seam weld along the:
1. Lower quadrant of the arms.
2. Same side of the pole as the arm connections
g. Face handhole perpendicular from arm on single arm poles, perpendicular from the first arm of double arm poles facing away from traffic or see special instructions on the Mast Arm Tabulation Sheet.
h. Provide a "T" or "C" hook at the top of the pole for signal wiring support (See Sheet 6).
6. Construction:
A. Foundation: Specification 455 Drilled Shaft, except that payment is included in the cost of the Mast Arm.
B. Install Pole vertically.
C. Place structural grout pad with drain between top of foundation and bottom of baseplate in accordance with Specification 649-7.
D. Attach Sign Panels and Signals centered on the elevation of the Mast Arm.
E. Wire Access holes are 3/8" or less in diameter.

SHEET	SUBJECT
1	Elevation and Notes
2	Foundation and Base Plate Details
3	Single Arm Connection and Splice Details
4	Double Arm Connection and Splice Details
5	Luminaire Arm and Connection Details
6	Handhole and Pole Top Details

LAST REVISION	DESCRIPTION	INDEX	SHEET
11/01/21			

FDOT	FY 2022-23 STANDARD PLANS	MAST ARM ASSEMBLIES	INDEX 649-031	SHEET 1 of 6
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REVISION	DATE	BY	DESCRIPTION
05	01/17/2023	ANK	FOR MUNICIPAL RESUBMISSION
04	12/14/2022	KL	FOR MUNICIPAL RESUBMISSION
03	07/08/2022	ARD	CITY OF NORTH PORT COMMENTS
02	08/31/2021	ARD	FOR CITY OF NORTH PORT REVIEW
01	02/10/2021	EBB	FOR CLIENT REVIEW

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SCALE: AS SHOWN PROJECT ID: F-19029

TITLE: CONSTRUCTION DETAILS (7)

DRAWING: C-6.6

NOTES:

- The Structural Girth Pad diameter may be reduced where the footprint of the Girth Pad does not provide adequate clearance for the sidewalk and/or accessibility considerations.
- See Index 649-030 and the plans for actual quantity of bolts in the Base Plate Connection.
- The bottom hex nut of the Double Nuts shown in Section A-A may be substituted by a half-height anchor "jail" nut. Provide individual nut covers (not shown) for each bolt.
- Detail A Silicone Caulk may be applied after installation. Consult with Manufacturer to determine the suitability of the caulk to be applied.

LAST REVISION	DESCRIPTION:	INDEX	SHEET
11/01/21		649-031	2 of 6

NOTE:

- Install the "Slip Joint" splice with a tight fit and no change in the Mast Arm taper due to the splice.
- Details shown on this sheet are for 12 sided pole sections. However, sections with more than 12 sides and round sections are permitted provided outside diameter and wall thickness are not reduced.
- Match mark the Arm and Connection Plates to ensure proper assembly and the seam weld is in the proper location (seam located at the bottom side of the Arm).

LAST REVISION	DESCRIPTION:	INDEX	SHEET
11/01/21		649-031	3 of 6

NOTE:

- Install the "Slip Joint" splice with a tight fit and no change in the Mast Arm taper due to the splice.
- Details shown on this sheet are for 12 sided pole sections. However, sections with more than 12 sides and round sections are permitted provided outside diameter and wall thickness are not reduced.
- Match mark the Arm and Connection Plates to ensure proper assembly and the seam weld is in the proper location (seam located at the bottom side of the Arm).
- "SP" measured counter clockwise from First Mast Arm Extension.
- Adjust width of top and bottom Connection Plates to maintain minimum clearance shown.

LAST REVISION	DESCRIPTION:	INDEX	SHEET
11/01/21		649-031	4 of 6

NOTES:

- Galvanized steel luminaire type and luminaire length may be found in the Lighting Plans.
- Align Luminaire Arm with Single Mast Arm or First Arm of Double Mast Arm unless indicated otherwise in the plans.
- The fabricator may substitute a 1/2" thick bent plate with the same flange width, height, and length as the MC 10x33.6 Channel section.
- "L1" measure counter clockwise from First Mast Arm.

LAST REVISION	DESCRIPTION:	INDEX	SHEET
11/01/19		649-031	5 of 6

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FOR CITY OF NORTH PORT REVIEW	ARD	08/31/2021	
FOR CLIENT REVIEW	EB	02/10/2021	DATE

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SUNCOAST TECHNICAL COLLEGE COMMERCIAL SUBDIVISION, LOT 1-5
4300 CAREER LANE
CITY OF NORTH PORT
SARASOTA COUNTY, FLORIDA

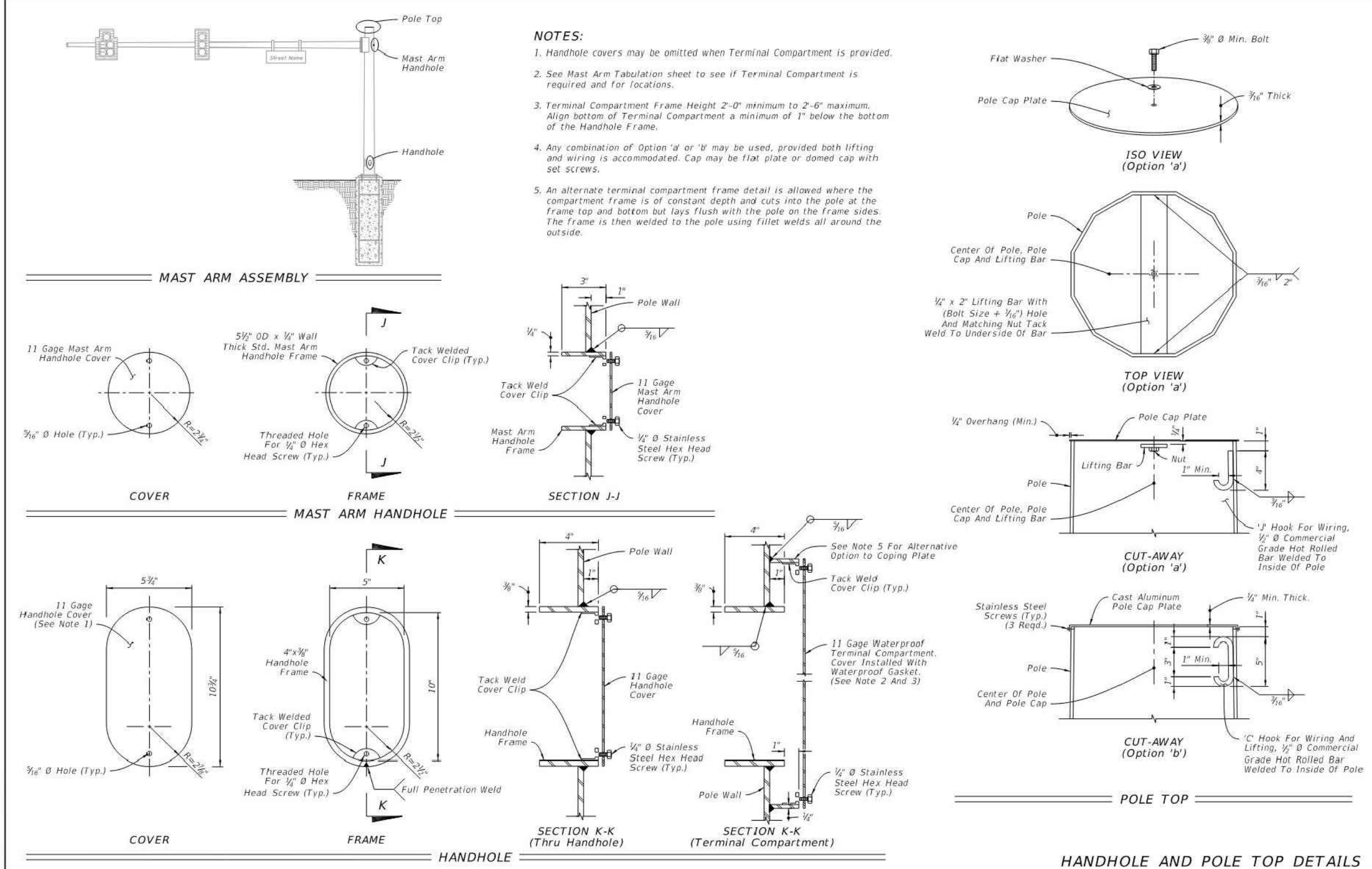
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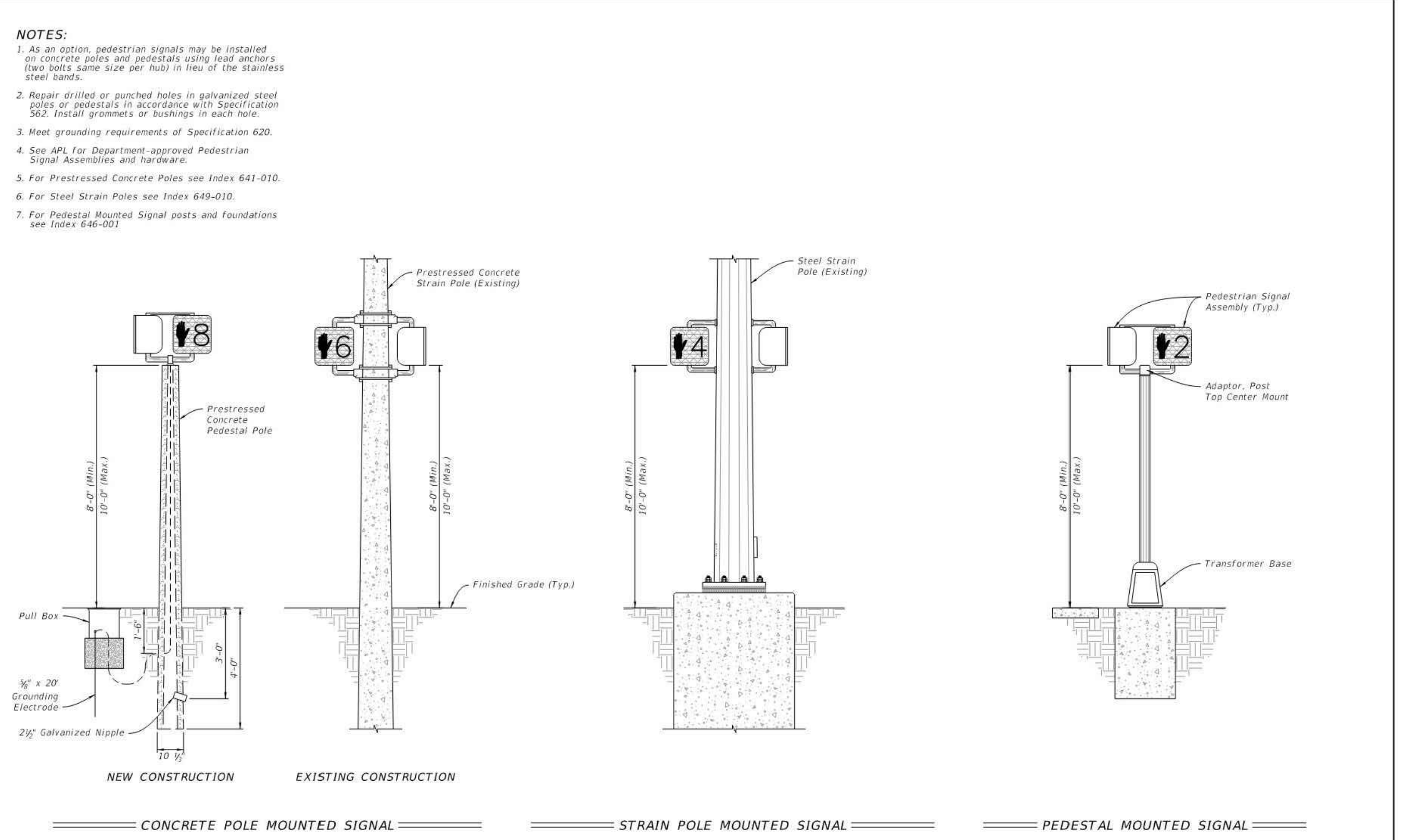
SCALE: AS SHOWN PROJECT ID: F-19029

TITLE: CONSTRUCTION DETAILS (8)

DRAWING: C-6.7



LAST REVISION 11/01/21	DESCRIPTION:	FDOT FY 2022-23 STANDARD PLANS	MAST ARM ASSEMBLIES	INDEX 649-031	SHEET 6 of 6
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LAST REVISION 11/01/20	DESCRIPTION:	FDOT FY 2022-23 STANDARD PLANS	PEDESTRIAN CONTROL SIGNAL INSTALLATION DETAILS	INDEX 653-001	SHEET 1 of 1
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<p style="text-align: center;">Rutherford, NJ • New York, NY • Boston, MA Princeton, NJ • Tampa, FL • Detroit, MI www.stonefielddesign.com</p> <p style="text-align: right;">Rivergate Tower, 400 N Ashley Drive, Suite 1950, Tampa, FL 33602 Phone: 856.889.0662</p>																																																																									
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TABLE 1 HORIZONTAL BENDS AND ELBOWS LENGTH OF RESTRAINED JOINT PIPE (FEET)				
NOMINAL PIPE DIAMETER	90° BENDS	45° BENDS	22 1/2° BENDS	11 1/4° BENDS
4	14	6	3	2
6	20	9	4	2
8	26	11	6	3
10	30	13	7	4
12	36	15	8	4
16	47	20	10	5
20	57	24	12	6
24	66	28	13	7
30	79	33	16	8
36	91	38	19	9

TABLE 2 TEES AND WYES		TABLE 3 REDUCERS			TABLE 4 DEAD ENDS AND VALVES	
NOMINAL PIPE DIAMETER OF BRANCH PIPE (INCHES)	RESTRAINED LENGTH ALONG BRANCH PIPE (FEET)	NOMINAL PIPE DIAMETER LARGE END (INCHES)	NOMINAL PIPE DIAMETER SMALL END (INCHES)	RESTRAINED LENGTH ALONG PIPE (FEET)	NOMINAL PIPE DIAMETER (INCHES)	RESTRAINED LENGTH ALONG PIPE (FEET)
4	11	6	4	33	4	45
6	21	8	6	35	6	63
8	32	10	4	61	8	83
10	48	10	6	61	10	100
12	65	10	8	34	12	118
16	97	12	4	103	16	153
20	128	12	6	86	20	187
24	156	12	8	63	24	220
30	196	12	10	35	30	267
36	233	16	12	65	36	313
		20	16	66		
		24	20	66		
		30	24	94		
		36	30	95		

NOTES: (ALL TABLES)

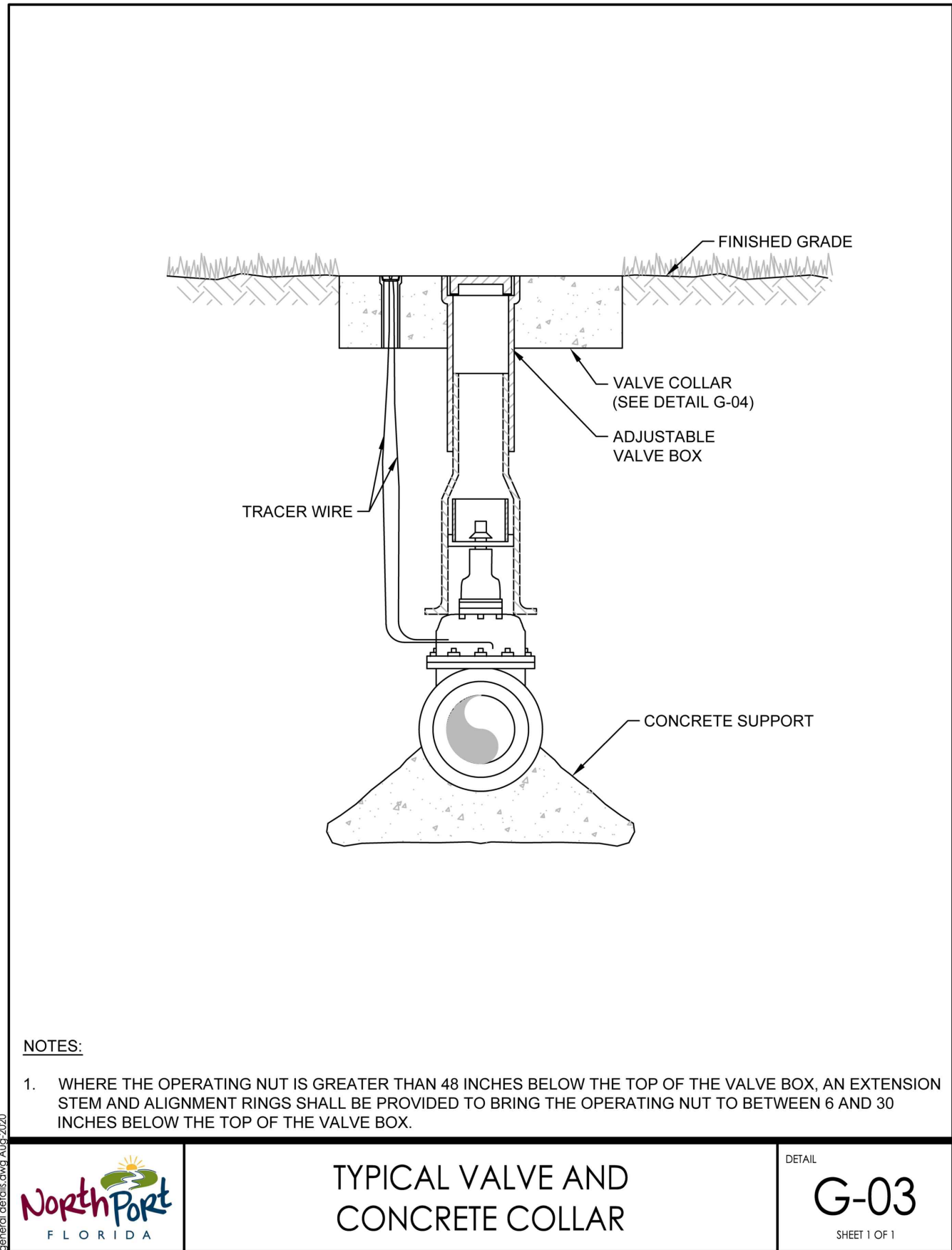
- ALL FITTINGS SHALL HAVE RESTRAINED JOINTS UNLESS OTHERWISE NOTED.
- ALL PIPE SHALL BE RESTRAINED IN ACCORDANCE WITH THESE TABLES OR PER THE PLANS, WHICHEVER IS GREATER.
- WHERE TWO OR MORE FITTINGS ARE TOGETHER, RESTRAIN JOINTS IN ACCORDANCE WITH FITTING WHICH YIELDS GREATEST LENGTH OF RESTRAINED PIPE.
- RESTRAINT TABLES APPLY TO TEST PRESSURE OF 150 PSI OR LESS.
- FOR PIPE ENCASED IN POLYETHYLENE, INCREASE THE GIVEN VALUES BY A FACTOR OF 1.5.
- LENGTH OF RESTRAINED PIPE INDICATED IN TABLES 1 & 4 SHALL BE THE LENGTH OF PIPE ON EACH SIDE OF VALVE OR FITTING.
- LENGTH OF RESTRAINED PIPE INDICATED IN TABLE 2 SHALL BE THE LENGTH OF PIPE ALONG BRANCH OF PIPE. PIPE ON BOTH SIDES OF BRANCH SHALL HAVE A MINIMUM LAYING LENGTH OF 10 FEET.
- LENGTH OF RESTRAINED PIPE INDICATED IN TABLE 3 SHALL BE THE LENGTH OF PIPE ON LARGE END.

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RESTRAINT TABLE

DETAIL G-02

SHEET 1 OF 1

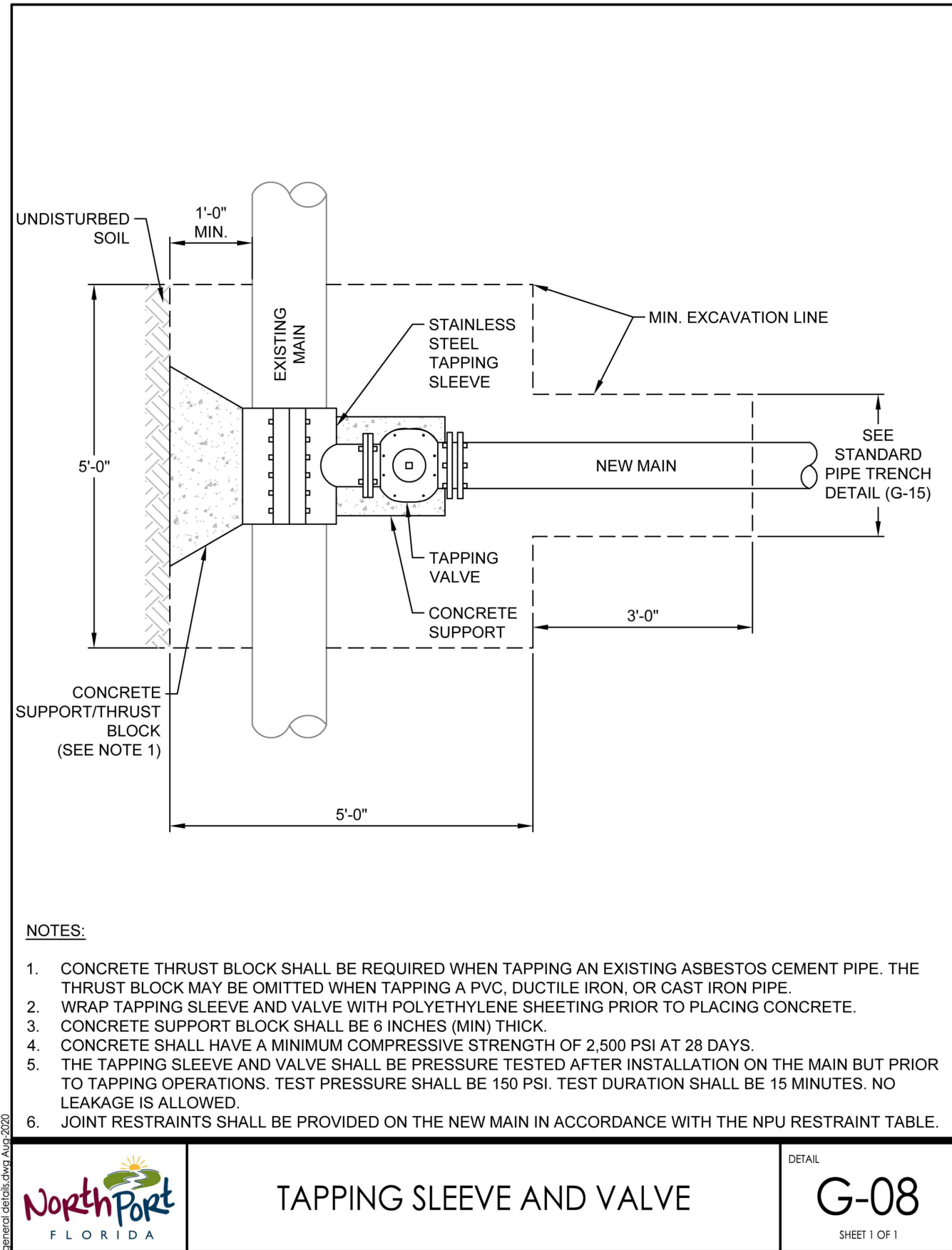


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TYPICAL VALVE AND CONCRETE COLLAR

DETAIL G-03

SHEET 1 OF 1

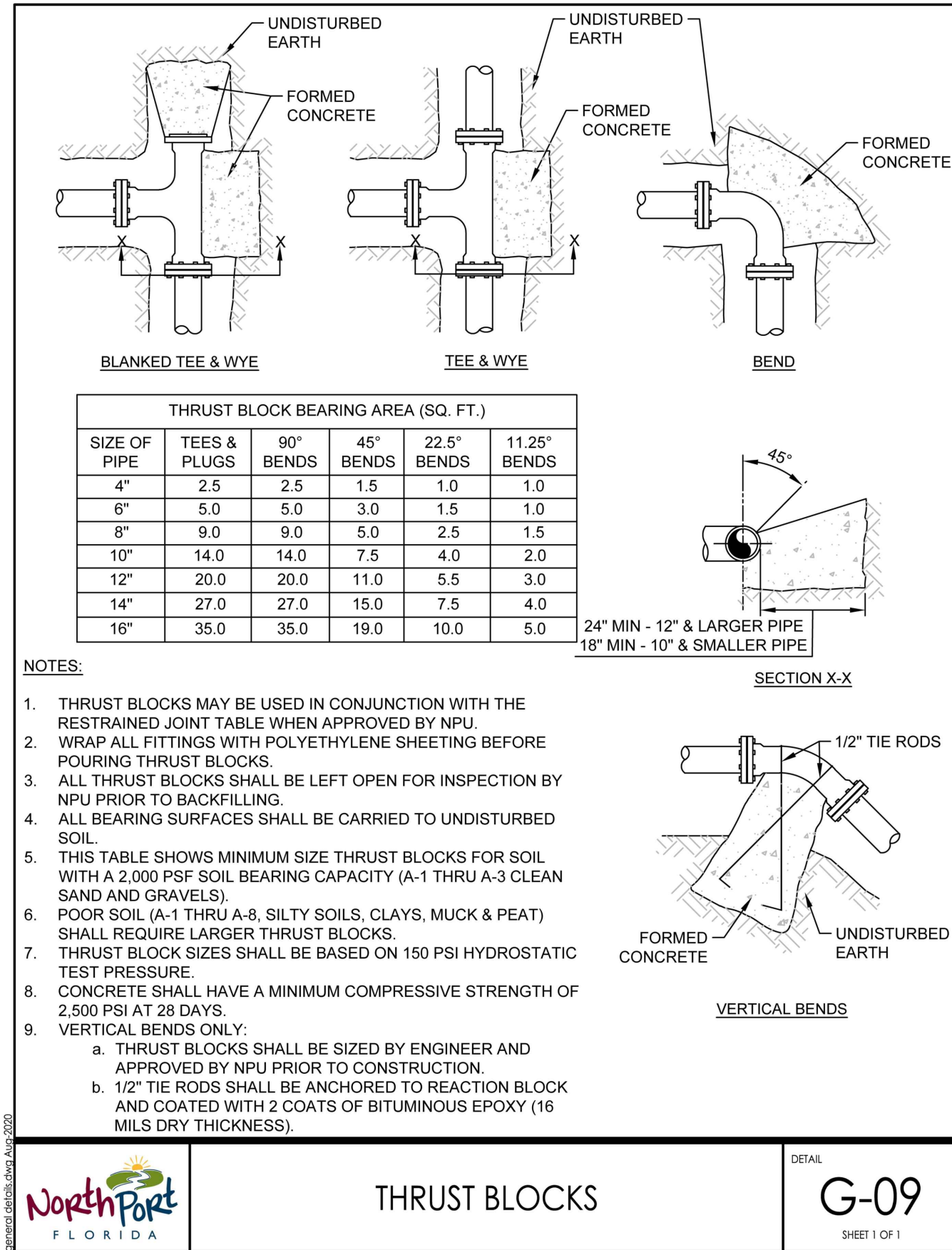


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TAPPING SLEEVE AND VALVE

DETAIL G-08

SHEET 1 OF 1

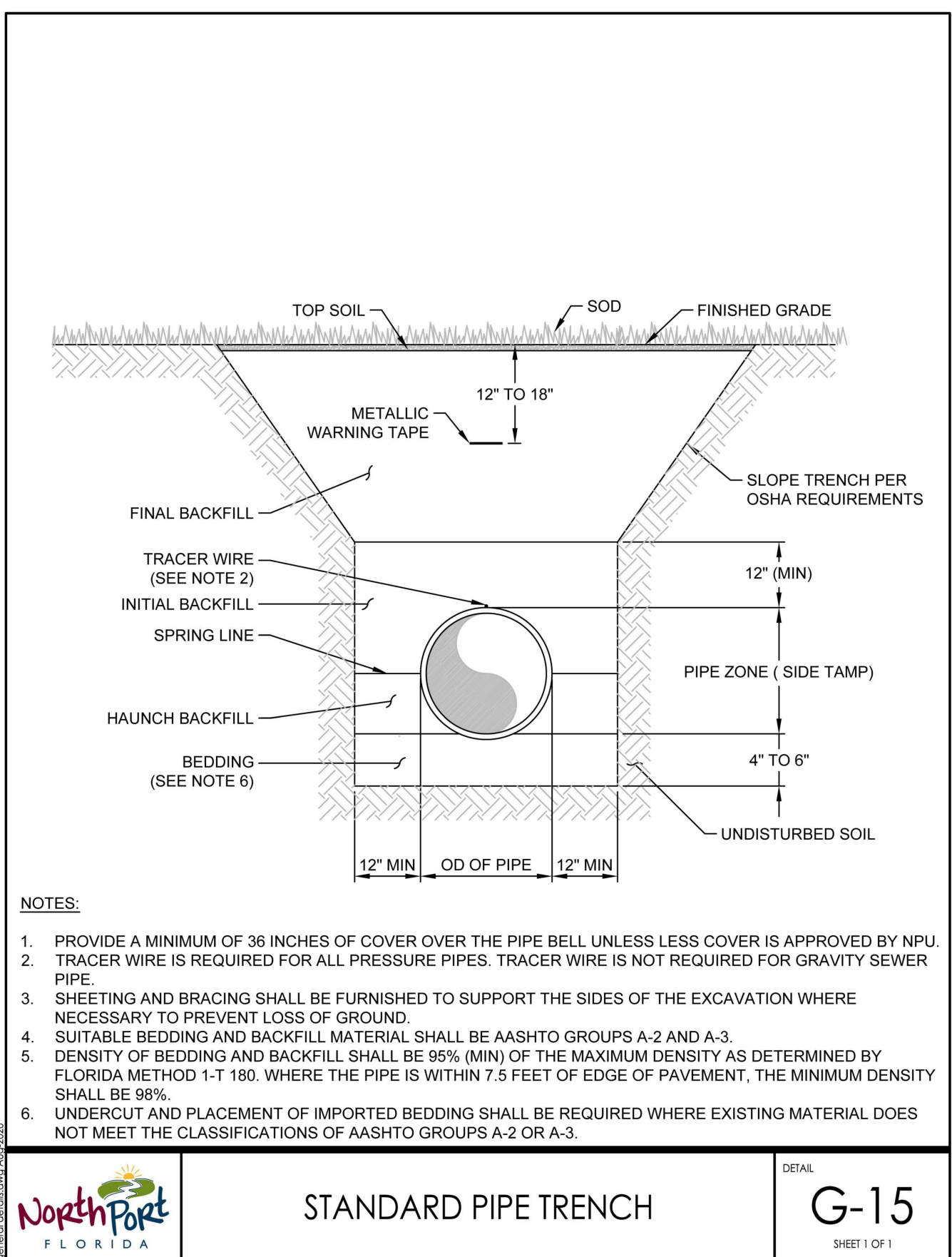


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THRUST BLOCKS

DETAIL G-09

SHEET 1 OF 1

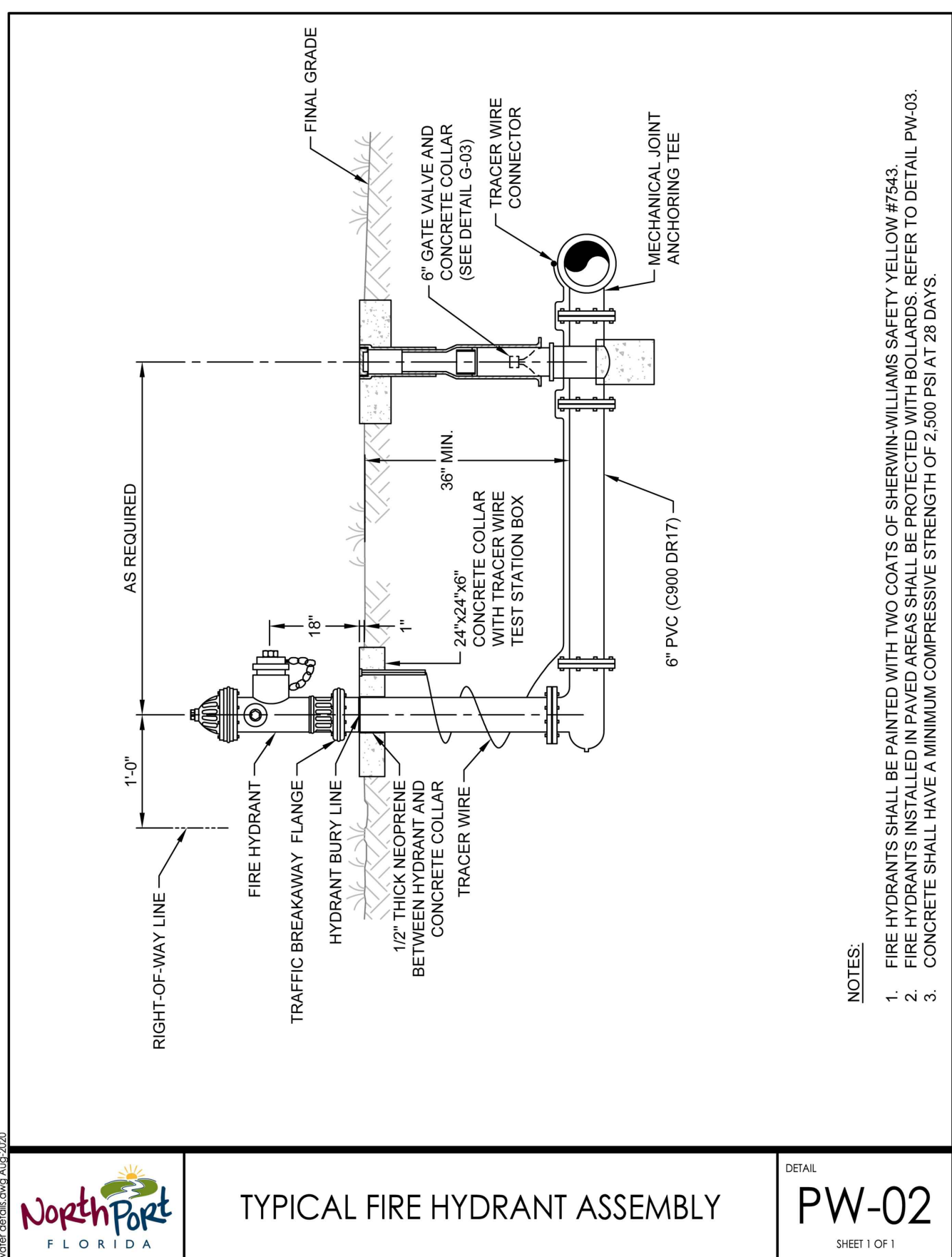


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STANDARD PIPE TRENCH

DETAIL G-15

SHEET 1 OF 1



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TYPICAL FIRE HYDRANT ASSEMBLY

DETAIL PW-02

SHEET 1 OF 1

NO.	DATE	ISSUE	BY	DESCRIPTION
05	01/17/2023	ARH		FOR MUNICIPAL RESUBMISSION
04	12/14/2022	KLS		FOR MUNICIPAL RESUBMISSION
03	07/09/2022	ARD		CITY OF NORTH PORT COMMENTS
02	08/31/2021	ARD		FOR CITY OF NORTH PORT REVIEW
01	02/10/2021	ERS		FOR CLIENT REVIEW

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SITE DEVELOPMENT PLANS

SUNCOAST TECHNICAL COLLEGE COMMERCIAL OUTPARCELS

SUNCOAST TECHNICAL COLLEGE COMMERCIAL SUBDIVISION, LOT 1-5
4300 CAREER LANE
CITY OF NORTH PORT
SARASOTA COUNTY, FLORIDA

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SCALE: AS SHOWN PROJECT ID: F-19029

TITLE:
CONSTRUCTION DETAILS (10)

DRAWING:

C-6.9