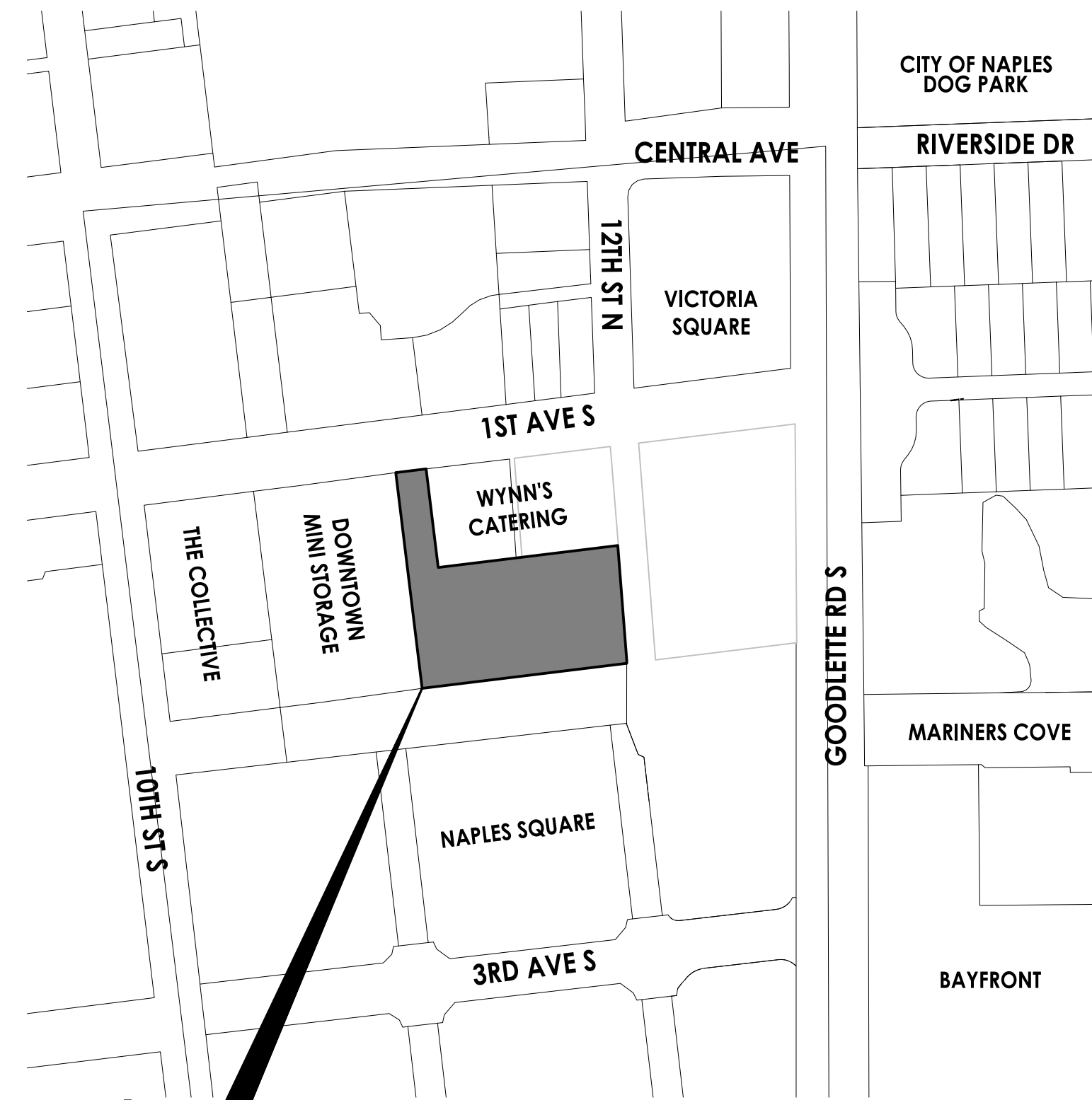


COUNTY LOCATION MAP

LATITUDE/LONGITUDE COORDINATES
(CENTER OF PROJECT)
LAT: 26°08'44.9" N
LONG: 81°47'32.7" W

SEC:3, TWP:50S, RGE:25E



Project Location

Project

BSSW ARCHITECTS, INC. Location

1ST AVENUE SOUTH. PUBLIC PARKING GARAGE

PROJECT OWNER AND CONSULTANTS

OWNER

NAPLES COMMUNITY
REDEVELOPMENT AGENCY
735 8TH STREET SOUTH
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TEL: 239-213-1037

SURVEYOR

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ARCHITECT

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TEL: 239-278-3838

TRANSPORTATION

STANTEC CONSULTING SERVICES INC.
3510 KRAFT ROAD, SUITE 200
NAPLES, FL 34105-5029
CONTACT: CHRIS BENITEZ, P.E.
TEL: 239-649-4040

INDEX OF SHEETS

SHEET NUMBER	SHEET TITLE
GI001	COVER SHEET
GC001	GENERAL NOTES
CD101	EXISTING CONDITION AND DEMOLITION PLAN
CS101	ZONING DATA SHEET AND SITE PLAN
CG100	DRAINAGE PAVING AND GRADING PLAN
CG300	CROSS SECTIONS AND SECTIONS MAP
CG500	DRAINAGE DETAILS
CG501	PAVING DETAILS
CU100	UTILITY PLAN
CU501	GENERAL AND WATER DETAILS
CE100	EROSION CONTROL PLAN AND DETAILS

JAN., 2023

PROJECT NUMBER: 215617573

90% CONTRACT DOCUMENTS

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ORIGINAL SHEET - ANS1.D

LEGEND AND NOTES	
	EX. CONCRETE/ASPHALT PAVEMENT TO BE REMOVED
	EX. BUILDING TO BE REMOVED
AERIAL IMAGERY: COLLIER COUNTY PROPERTY APPRAISER 2020	

ELEVATION AND SURVEY NOTES	
1)	ALL ELEVATIONS SHOWN ARE IN FT.-NAVD88
2)	CONVERSION FROM FT.-NAVD TO FT.-NGVD IS AS FOLLOWS: ELEVATION (FT.-NAVD88) PLUS (+) 1.272' = ELEVATION (FT.-NGVD20)
NOTE: IT IS RECOMMENDED THAT A PROFESSIONAL LAND SURVEYOR, LICENSED AND REGISTERED IN THE STATE OF FLORIDA, RECALCULATE THE CONVERSION FACTOR PRIOR TO CONSTRUCTION.	

BENCHMARK NOTES	
1)	CONTRACTOR'S PROFESSIONAL LAND SURVEYOR SHALL ESTABLISH AND VERIFY HORIZONTAL AND VERTICAL CONTROL FROM EXISTING BENCHMARKS ADJACENT TO THE PROJECT BOUNDARY.
2)	PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE WITH STANTEC ON PREVIOUS HORIZONTAL AND VERTICAL CONTROLS THAT HAVE BEEN UTILIZED FOR THIS PROJECT.

RIGHT-OF-WAY IMPROVEMENT NOTES	
A RIGHT-OF-WAY PERMIT IS REQUIRED TO PERFORM ANY WORK OR MAINTENANCE WITHIN THE CITY OF NAPLES AND COLLIER COUNTY RIGHTS-OF-WAY.	
THERE ARE UNDERGROUND AND ABOVEGROUND UTILITIES AND DRAINAGE FACILITIES IN THE VICINITY OF THE PROJECT AND RIGHTS-OF-WAY. CONTRACTOR SHALL BE RESPONSIBLE IN HIRING A LICENSED AND INSURED UTILITY LOCATE COMPANY TO IDENTIFY (BY WAY OF MARKERS OR FLAGS) ALL UNDERGROUND UTILITIES IN THE WORK AREA THAT MAY BE AFFECTED BY THE PROPOSED IMPROVEMENTS. ADDITIONALLY, THE CONTRACTOR SHALL CONDUCT A SOFT DIG OF THE AFFECTED AREA AND IDENTIFY ANY UNDERGROUND UTILITIES AND DRAINAGE FACILITIES, SIZES AND DEPTHS OF UTILITIES FROM EXISTING GROUND ELEVATION, AND REPORT ANY CONFLICTS TO THE CIVIL ENGINEER IMMEDIATELY.	
PRIOR TO CONSTRUCTION WITHIN THE RIGHT-OF-WAY, CONTRACTOR SHALL IMPLEMENT AND MAINTAIN AN APPROVED MAINTENANCE OF TRAFFIC (MOT) PLAN AND ALL REQUIRED TRAFFIC MAINTENANCE CONTROLS THROUGHOUT THE DURATION OF CONSTRUCTION. MOT PLANS AND MAINTENANCE CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE LATEST MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) DESIGN STANDARDS, AND FLORIDA MANUAL OF TRAFFIC CONTROL, AND SAFE PRACTICES FOR STREET CONSTRUCTION, MAINTENANCE, AND UTILITY OPERATIONS.	

EXOTIC REMOVAL AND CLEARING NOTES	
1)	ALL PROHIBITED EXOTIC VEGETATION AND NUISANCE SPECIES (CATEGORY I AND II EXOTICS AS DEFINED BY THE FLORIDA EXOTIC PEST PLANT COUNCIL (FEPCC)) SHALL BE REMOVED FROM THE SITE. IT SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER TO MAINTAIN THE SITE FREE OF PROHIBITED EXOTICS IN PERPETUITY.
2)	PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR SHALL INSTALL TEMPORARY CONSTRUCTION FENCING (SUCH AS SILT FENCE) BEYOND THE DRAINAGE OF RETAINED VEGETATION ALONG THE LIMITS OF CLEARING. THIS FENCE SHALL REMAIN ERECTED AND MAINTAINED UNTIL COMPLETION OF CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE AND PROPERTY OWNER FOR LIMITS OF RETAINED VEGETATION PRIOR TO THE BIDDING AND CONSTRUCTION PHASES OF THE PROJECT.
3)	WHERE HEAVY CONSTRUCTION ACTIVITIES ARE ADJACENT TO EXISTING NATIVE VEGETATION TO BE RETAINED, THE LIMITS OF CLEARING WILL BE CLEARLY MARKED AND BARRICADED PRIOR TO START OF CONSTRUCTION AND SHALL REMAIN IN PLACE UNTIL COMPLETION OF CONSTRUCTION.
4)	CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL TREES, BRUSH, STUMPS, AND DEBRIS (INCLUDING EXISTING STRUCTURE REMAINS) IN THE PROPOSED CONSTRUCTION AREA, WHERE SO DIRECTED BY THE OWNER. TREES AND VEGETATION WITHIN THE CLEARING LIMITS SHALL BE PROTECTED, LEFT STANDING, AND TRIMMED TO PREVENT DAMAGE TO LIMBS AND ROOTS DURING CONSTRUCTION. CONTRACTOR SHALL VERIFY WITH OWNER PRIOR TO BIDDING AND THE START OF CONSTRUCTION.

EXISTING CONDITIONS AND DEMOLITION PLAN NOTES	
1)	THE LOCATION OF EXISTING UTILITIES AND STORM SEWER SHOWN WITHIN THESE CONSTRUCTION DOCUMENTS HAVE BEEN PREPARED FROM AVAILABLE RECORD DRAWINGS, FIELD SURVEY INFORMATION, AND INFORMATION PROVIDED BY THE PROPERTY OWNER AND CONTRACTOR. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATION, HORIZONTAL LOCATION AND VERTICAL ELEVATION PRIOR TO CONSTRUCTION, AND PROVIDE IN WRITING ANY DISCREPANCIES TO THE CIVIL ENGINEER OF RECORD.
2)	THERE MAY BE EXISTING ELECTRICAL SERVICES WITHIN THE PROJECT LIMITS, AND COULD BE PROVIDING SERVICE TO EXISTING BUILDINGS, LIGHT POLES, IRRIGATION, ETC. A) CONTRACTOR TO TAKE PRECAUTIONS WHEN WORKING IN THESE AREAS. B) CONTRACTOR SHALL FIELD VERIFY LOCATION OF ELECTRICAL SERVICES PRIOR TO COMMENCEMENT OF CONSTRUCTION. C) CONTRACTOR SHALL REFERENCE ELECTRICAL ENGINEERING AND MEP CONSULTANT'S PLANS AND SPECIFICATIONS FOR DEMOLITION AND PRESERVATION OF EXISTING ELECTRICAL SERVICES, AND ADDITIONAL DIRECTION AND DESIGN FOR NEW ELECTRICAL SERVICES FOR IRRIGATION, SITE LIGHTING, ETC.
3)	THERE MAY BE EXISTING WATER, FIRE AND SEWER MAINS AND SERVICES WITHIN THE PROJECT LIMITS, AND COULD BE PROVIDING SERVICE TO EXISTING BUILDINGS, ETC. A) CONTRACTOR TO TAKE PRECAUTIONS WHEN WORKING IN THESE AREAS. B) CONTRACTOR SHALL FIELD VERIFY LOCATION OF UTILITY SERVICES PRIOR TO COMMENCEMENT OF CONSTRUCTION. C) CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNER AND OWNERS REPRESENTATIVE LOCATIONS AND SPECIFICATIONS OF EXISTING WATER AND SEWER MAINS, SERVICES, VALVES, ETC. D) CONTRACTOR SHALL REFERENCE DEMOLITION PLANS FOR DEMOLITION AND IF APPLICABLE, THE PRESERVATION OF EXISTING SERVICES.
4)	THERE MAY BE EXISTING IRRIGATION SERVICES WITHIN THE PROJECT LIMITS, AND COULD BE PROVIDING SERVICE TO THE EXISTING SITE. A) CONTRACTOR TO TAKE PRECAUTIONS WHEN WORKING IN THESE AREAS. B) CONTRACTOR SHALL FIELD VERIFY LOCATION OF IRRIGATION SERVICES PRIOR TO COMMENCEMENT OF CONSTRUCTION. C) CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNER AND OWNERS REPRESENTATIVE LOCATIONS AND SPECIFICATIONS OF EXISTING IRRIGATION MAINS, SERVICES, VALVES, ETC. D) REFERENCE THE LANDSCAPE ARCHITECT'S PLANS FOR THE DESIGN AND INSTALLATION OF NEW IRRIGATION. CONTRACTOR SHALL REFERENCE DEMOLITION PLANS FOR DEMOLITION AND IF APPLICABLE, THE PRESERVATION OF EXISTING SERVICES.
5)	COLLIER COUNTY PUBLIC UTILITIES (CCPU), CITY OF NAPLES PUBLIC UTILITIES (CNPU), NAPLES SQUARE PLANNED DEVELOPMENT, THE PROPERTY OWNER, FLORIDA POWER AND LIGHT (FPL), CENTURYLINK, TECO GAS AND COMCAST MAY HAVE EXISTING UTILITIES ADJACENT TO THIS PROPOSED CONSTRUCTION. CONTRACTOR SHALL CONTACT THE RESPECTIVE UTILITY COMPANIES AND THE PROPERTY OWNER TO LOCATE THEIR FACILITIES PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH THE PROPERTY OWNER'S ON-SITE FACILITIES MANAGEMENT DEPARTMENT ON POTENTIAL EXISTING UTILITIES WITHIN THE VICINITY OF THE PROPOSED SITE IMPROVEMENTS PRIOR TO THE START OF CONSTRUCTION.
6)	EXISTING UNIDENTIFIED UTILITIES AND PVC CONDUITS ARE PRESENT THROUGHOUT THE SITE. CONTRACTOR TO COORDINATE WITH PROPERTY OWNER, NAPLES SQUARE PLANNED DEVELOPMENT, AND UTILITY PROVIDERS TO DETERMINE UTILITY TYPE AND FUNCTION.
7)	PRIOR TO COMMENCEMENT OF CONSTRUCTION, CONTRACTOR SHALL BE RESPONSIBLE IN HIRING A LICENSED AND INSURED UTILITY LOCATE COMPANY, TO IDENTIFY (BY WAY OF MARKERS OR FLAGS) ALL UNDERGROUND UTILITIES AT ALL SITE AREAS THAT MAY BE AFFECTED BY DEMOLITION AND FOR THE REMAINDER OF THE EXISTING SITE THAT MAY BE AFFECTED BY THE PROPOSED SITE IMPROVEMENTS.
8)	CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ALL DISTURBED AREAS, INCLUDING, AND NOT LIMITED TO, SITE OR UTILITY INFRASTRUCTURE, HARDSCAPE, SITE FURNISHING, LANDSCAPE PLANTINGS, OPEN SPACE AREAS, ETC. DAMAGED DURING CONSTRUCTION TO EXISTING CONDITIONS OR BETTER UNLESS OTHERWISE SPECIFIED, AND ALL ASSOCIATED COSTS SHALL BE INCLUDED IN THE CONTRACTOR'S BID PROPOSAL.
9)	THESE CONSTRUCTION DOCUMENTS ARE NOT INTENDED TO BE ALL INCLUSIVE OF EXISTING FACILITIES OR MATERIALS TO BE REMOVED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTING CONDITIONS WITH REGARDS TO THE SITE AND LANDSCAPE MODIFICATIONS NECESSARY TO ACCOMMODATE THE PROPOSED IMPROVEMENTS.
10)	ALL ITEMS TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE INCLUDED AT THE EXPENSE OF THE CONTRACTOR, INCLUDING REMOVAL AND DUMPING FEES, MATERIALS, LABOR, ETC., ASSOCIATED WITH THE RESTORATION.
11)	ALL SITE INFRASTRUCTURE SCHEDULED TO BE DEMOLISHED SHALL INCLUDE THE FOLLOWING: A) INFRASTRUCTURE SHALL BE REMOVED FROM THE SITE COMPLETELY. B) DEMOLISHED AND DISTURBED AREAS SHALL BE RESTORED AND GRADED PER THE DESIGN GRADES SHOWN WITHIN THE SITE PLANS). DEMOLISHED AND DISTURBED LANDSCAPE AREAS SHALL BE RESTORED AND COVERED WITH A SUITABLE GROUND COVER, SUCH AS SEED AND MULCH. C) ALL AREAS WHERE UNDERGROUND UTILITIES AND STORM WATER FACILITIES ARE REMOVED SHALL BE BACKFILLED AND COMPACTED PER SPECIFICATIONS PRIOR TO COMMENCEMENT OF THE PROPOSED SITE IMPROVEMENTS. SIGNED AND SEALED DENSITIES SHALL BE PROVIDED TO CIVIL ENGINEER PRIOR TO NEW CONSTRUCTION.
12)	ANY PIPE REMOVAL OR ABANDONMENT SHALL BE PER CITY OF NAPLES UTILITY SPECIFICATION 02210.



Stantec

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No.	Description	Date

Prepared By	YYT/AM/DB
Checked By	YYT/AM/DB
Approved By	YYT/AM/DB
Issued By	YYT/AM/DB

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CONSTRUCTION**

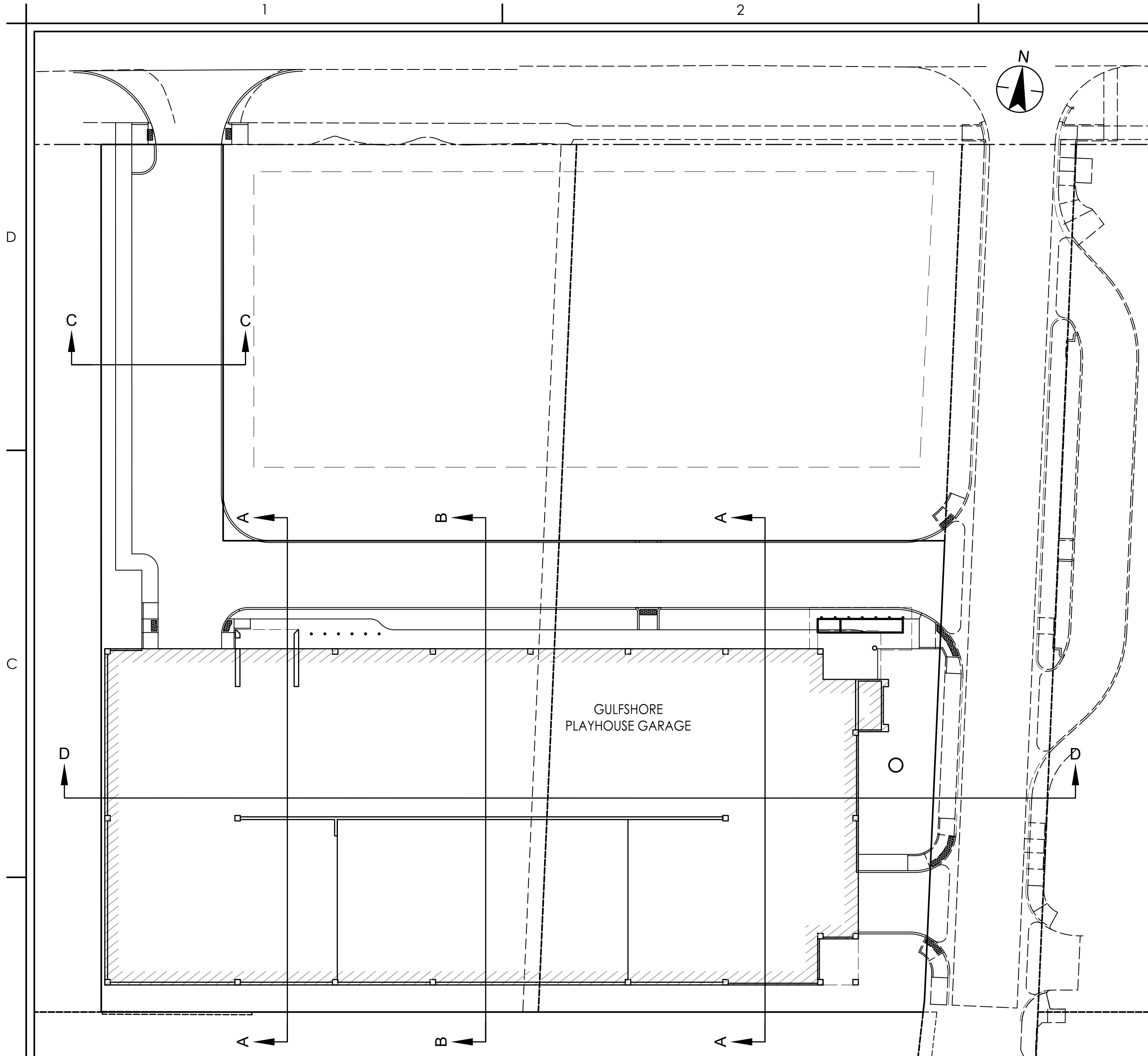
Not for permits, pricing or other official purposes. This document has not been completed or checked and is for general information or comment only.

Client/Project:
BSSW ARCHITECTS, INC.
 949 CENTRAL AVE, NAPLES FL, 34102
 1ST AVE S. PUBLIC PARKING GARAGE
 9220 BONITA BEACH RD, NAPLES FL

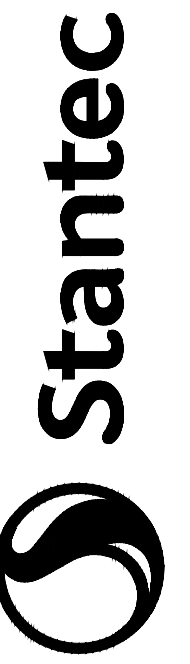
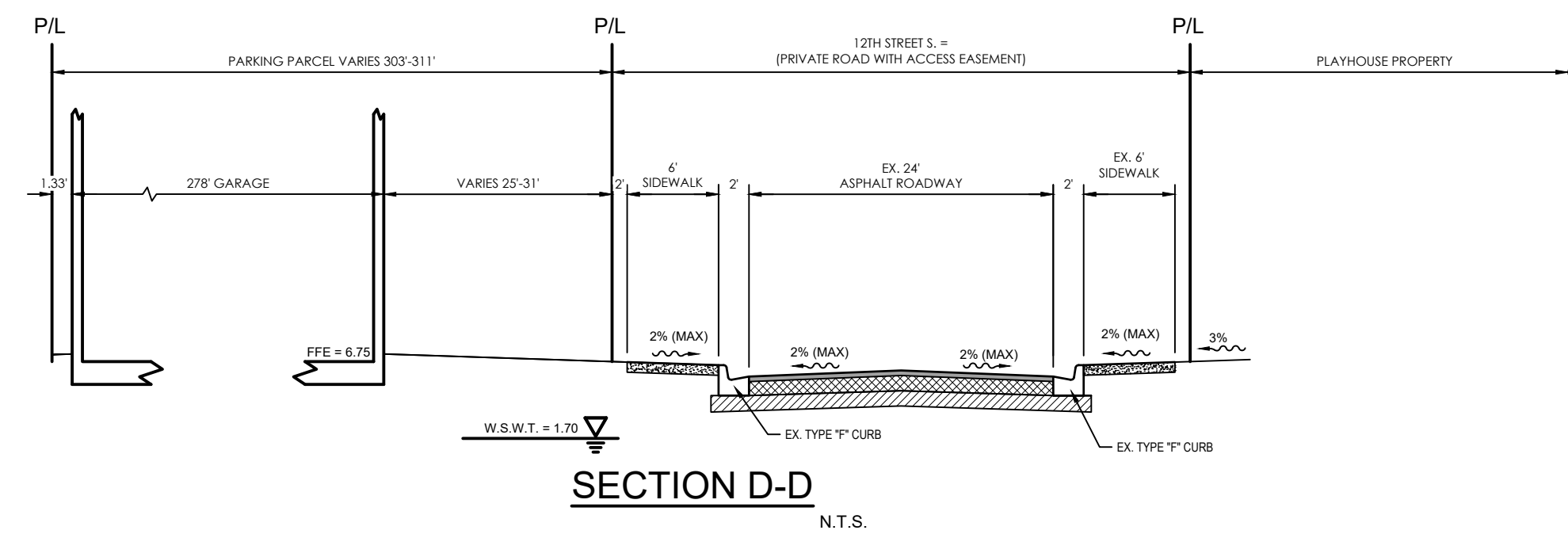
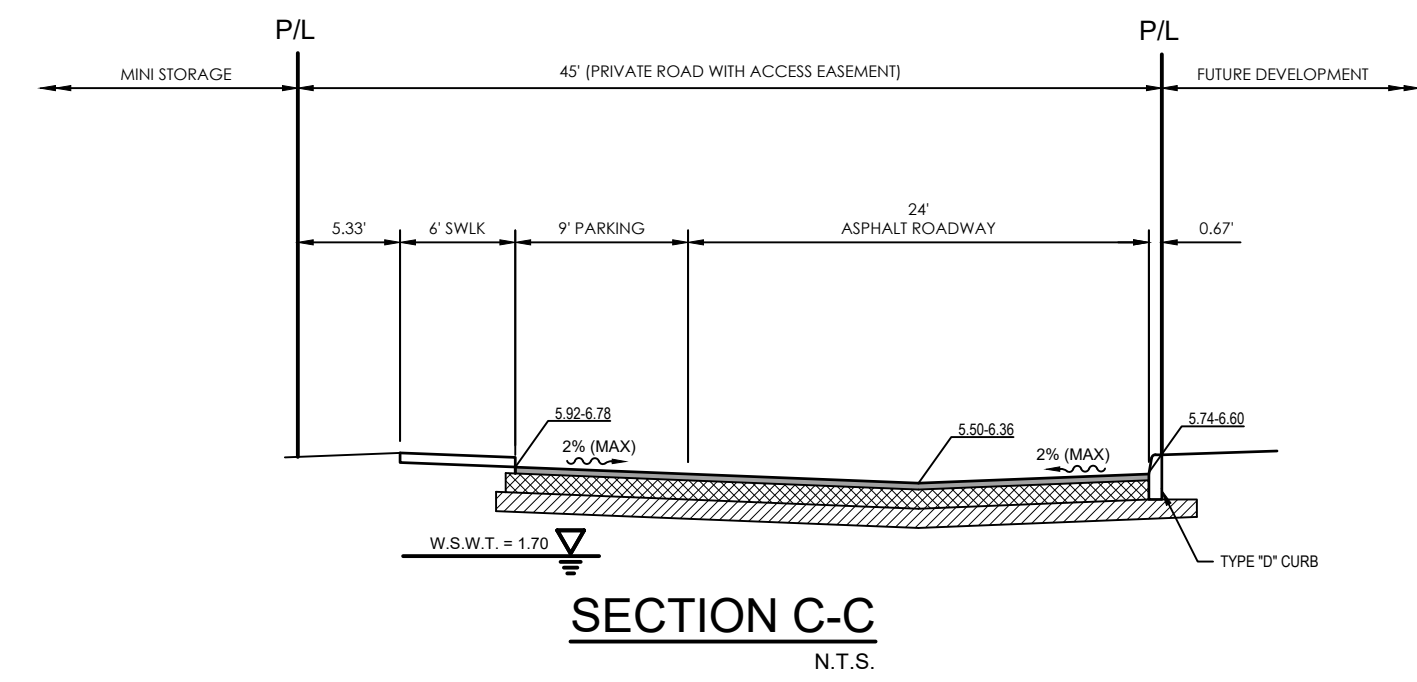
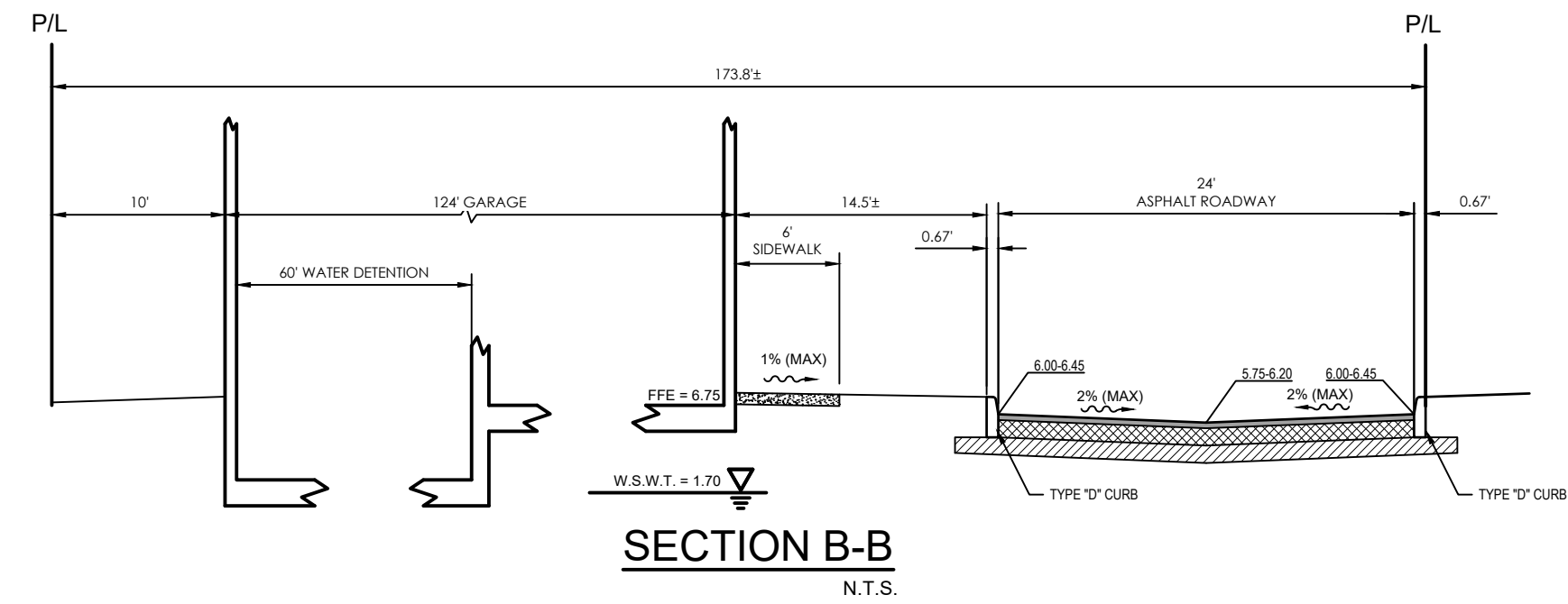
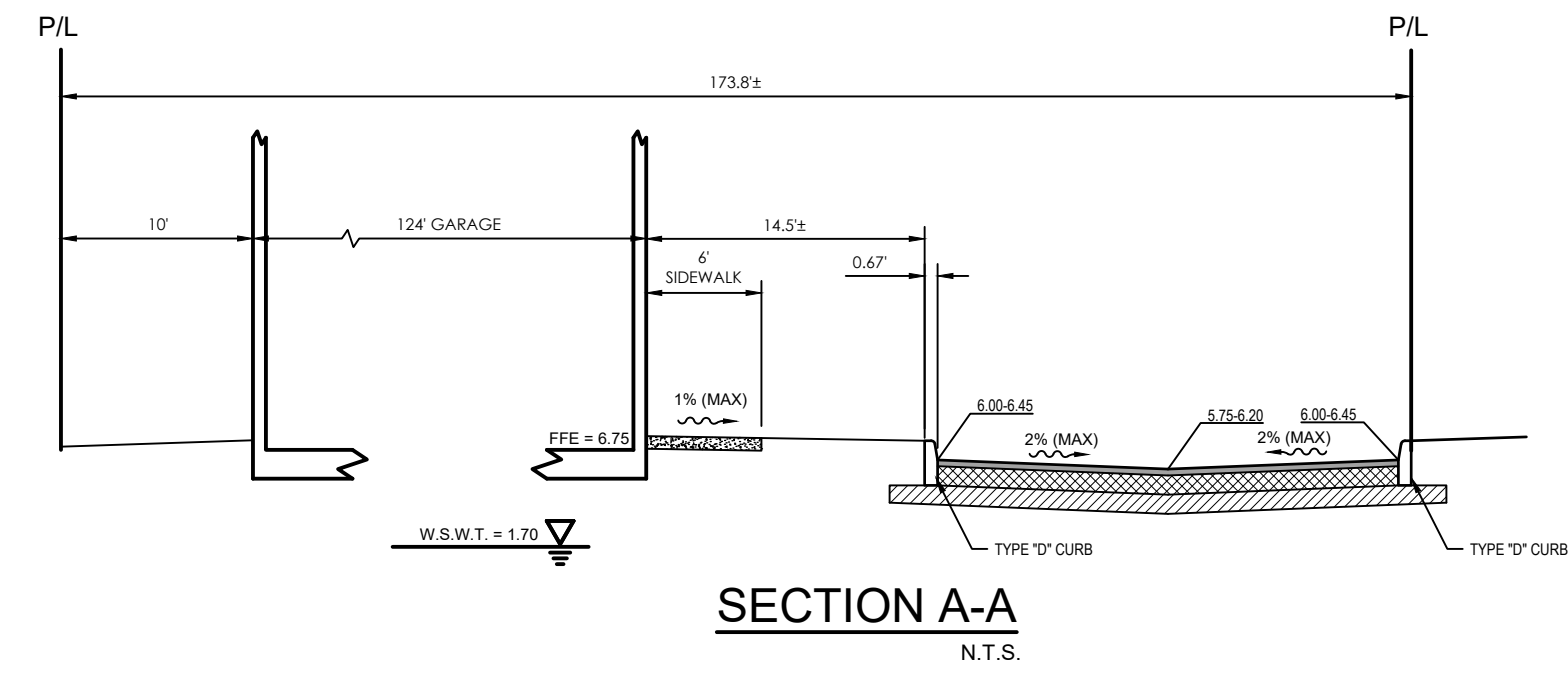
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 D.L.P. J.B.B. C.E.B. JAN. 2023
 Dwn. Dgn. Chk. YYYT/AM/DB

Title:
**EXISTING CONDITION
AND DEMOLITION
PLAN**
 Revision: Sheet of
 Drawing No.
CD101

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CROSS SECTIONS MAP



Stantec Consulting Services Inc.
 1821 Victoria Avenue Suite 1
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 Tel: (239) 939-1020
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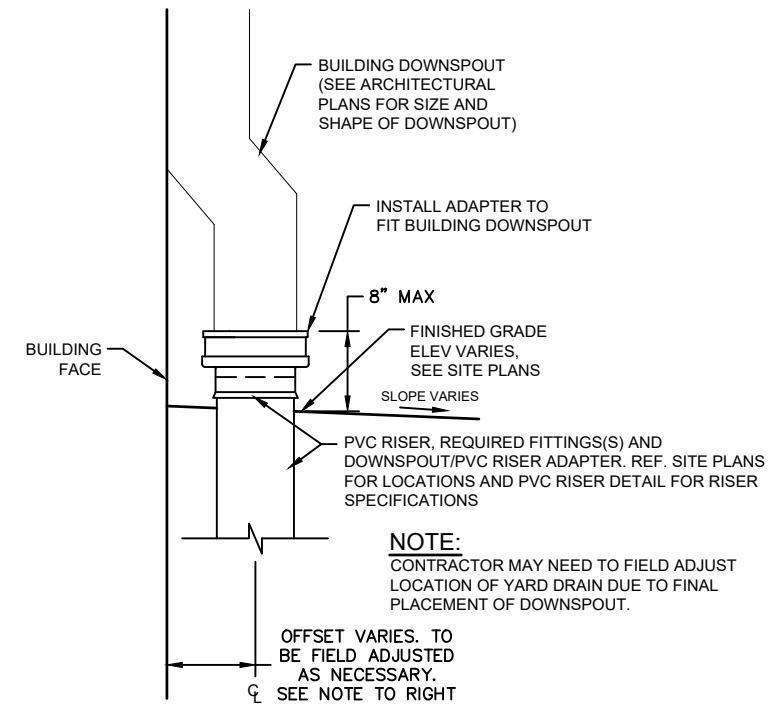
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Client/Project
 BSSW ARCHITECTS, INC.
 949 CENTRAL AVE, NAPLES FL, 34102
 1ST AVE S. PUBLIC PARKING GARAGE
 9220 BONITA BEACH RD, NAPLES FL

Project No.: 215617573
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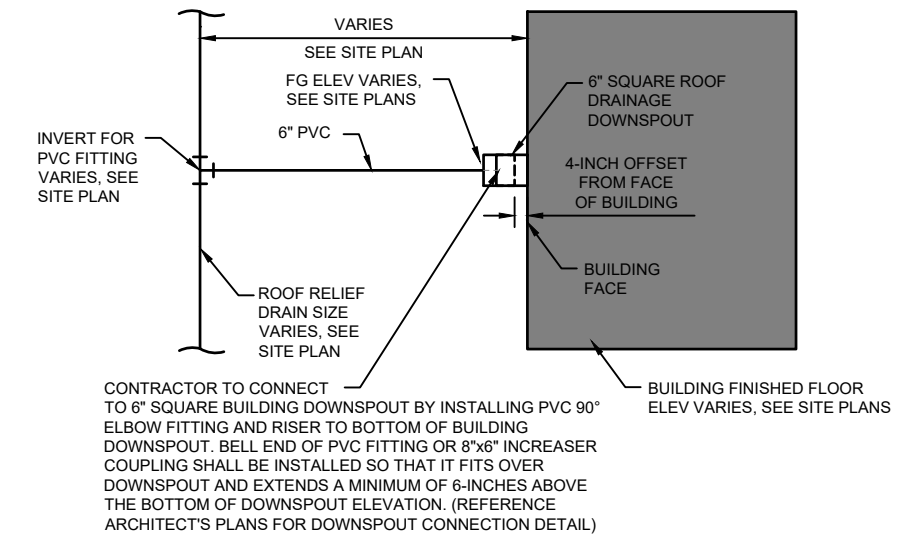
D.L.P. J.B.B. C.E.B. JAN. 2023
 Dwn. Dgn. Chkd. YYYY.MM.DD

Title
**CROSS SECTIONS AND
 SECTIONS MAP**
 Revision: Sheet: of
 Drawing No.
CG300



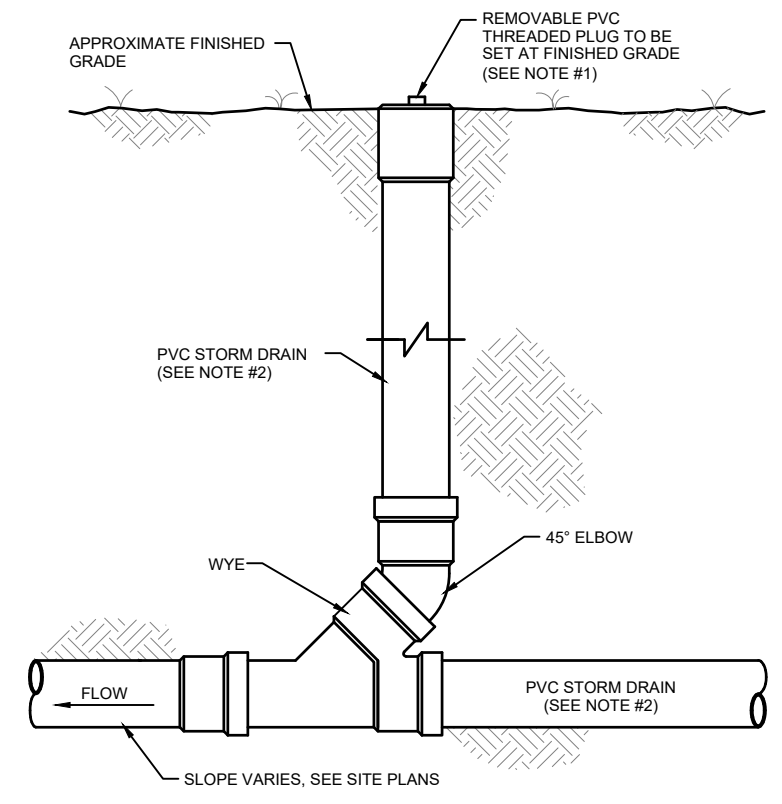
- NOTES:**
- SEE SITE PLANS FOR ROOF RELIEF DRAIN AND FITTINGS SIZES, INVERTS AND GRATE ELEVATIONS.
 - A MINIMUM 12 INCHES OF COVER SHALL BE MAINTAINED BETWEEN TOP OF ROOF RELIEF DRAIN PIPE AND PROPOSED FINISHED GRADE.

PVC RISER, GRATE & ROOF RELIEF DRAIN/BUILDING DOWNSPOUT CONNECTION DETAIL
N.T.S.



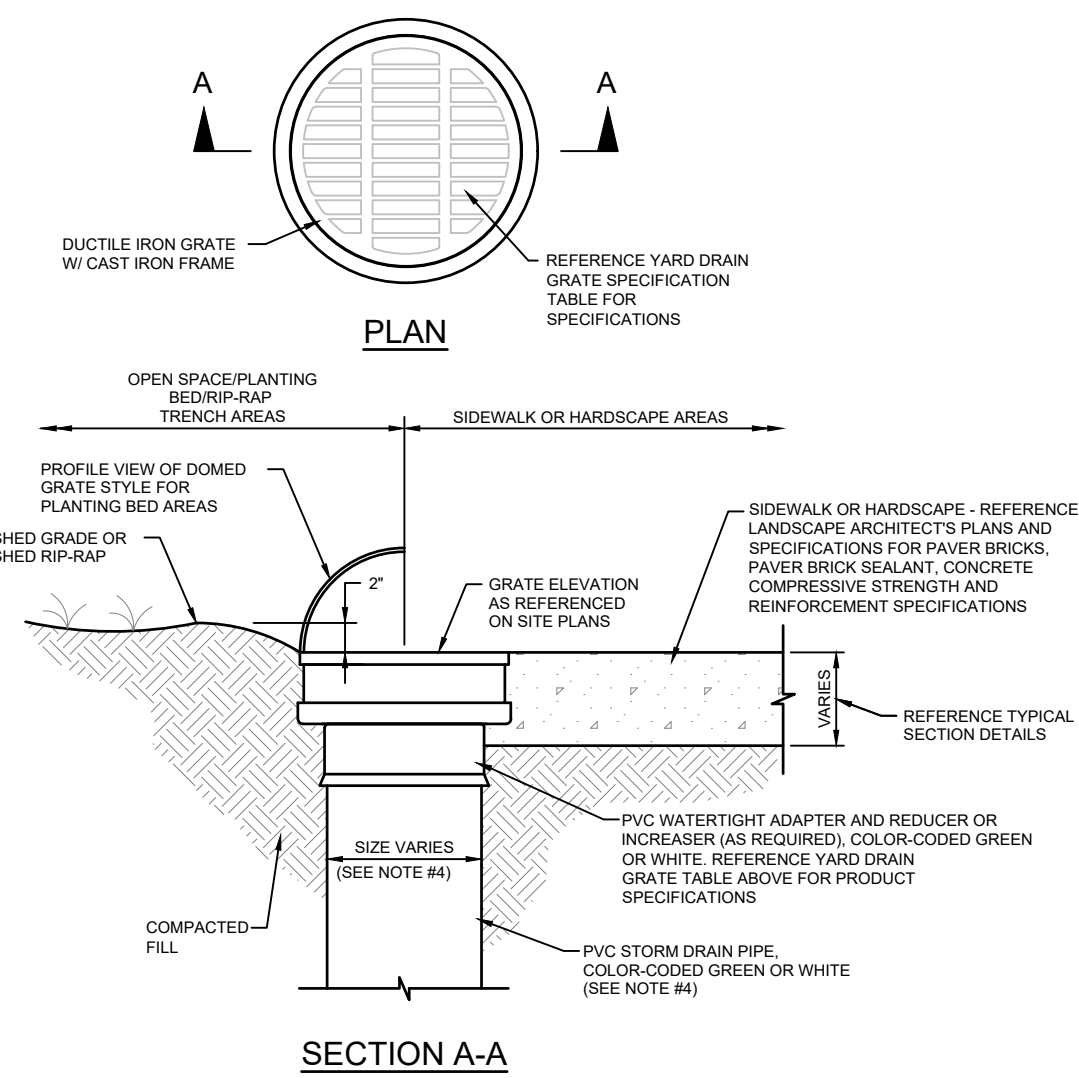
- NOTES:**
- PVC FITTING MAY REQUIRE 90° OR TEE-WYE FITTING. SEE SITE PLAN FOR FITTING REQUIREMENTS. TEE-WYE FITTING HAS BEEN SHOWN ON THIS DETAIL.
 - SEE SITE PLANS FOR ROOF RELIEF DRAIN AND FITTINGS SIZES.

PVC RISER & ROOF RELIEF DRAIN/BUILDING DOWNSPOUT CONNECTION DETAIL
N.T.S.



- NOTES:**
- CONTRACTOR SHALL INSTALL CAST IRON OR METAL BOX FOR SIDEWALKS OR HARDSCAPE AREAS. USE #1000 RIM AND COVER WITH THE WORDS "SW". SHALL BE PROVIDED AND SET FLUSH WITH SIDEWALK OR HARDSCAPE FINISHED GRADE. REFERENCE PAVED AREAS SEWER CLEANOUT DETAIL FOR SPECIFICATIONS.
 - STORM WATER PVC PIPE MATERIAL SPECIFICATIONS:
 - FOR PIPES AND FITTINGS 4-INCHES IN DIAMETER AND LARGER THAT ARE NOT DESIGNED UNDER ROADWAYS OR EMERGENCY RESPONSE ACCESS ROADS SHALL BE ASTM D-3034 POLYVINYL CHLORIDE PIPE (PVC) SDR 35, COLOR-CODED GREEN OR WHITE, UNLESS OTHERWISE NOTED.
 - FOR PIPES AND FITTINGS 4-INCHES IN DIAMETER AND LARGER THAT ARE NOT DESIGNED UNDER ROADWAYS OR EMERGENCY RESPONSE ACCESS ROADS SHALL BE ASTM D-3034 POLYVINYL CHLORIDE PIPE (PVC) SDR 35, COLOR-CODED GREEN OR WHITE.
 - FOR PIPES 3-INCHES IN DIAMETER AND SMALLER SHALL BE MATERIAL SPECIFICATION SCHEDULE 80, COLOR-CODED WHITE.
- NOTE: ALTERNATES FOR ALL PIPE SIZES MAY BE CONSIDERED PROVIDED APPROVAL FROM THE CIVIL ENGINEER IS OBTAINED. MATERIAL ALTERNATES MUST BE REVIEWED DURING THE PROJECT'S BIDDING PHASE.

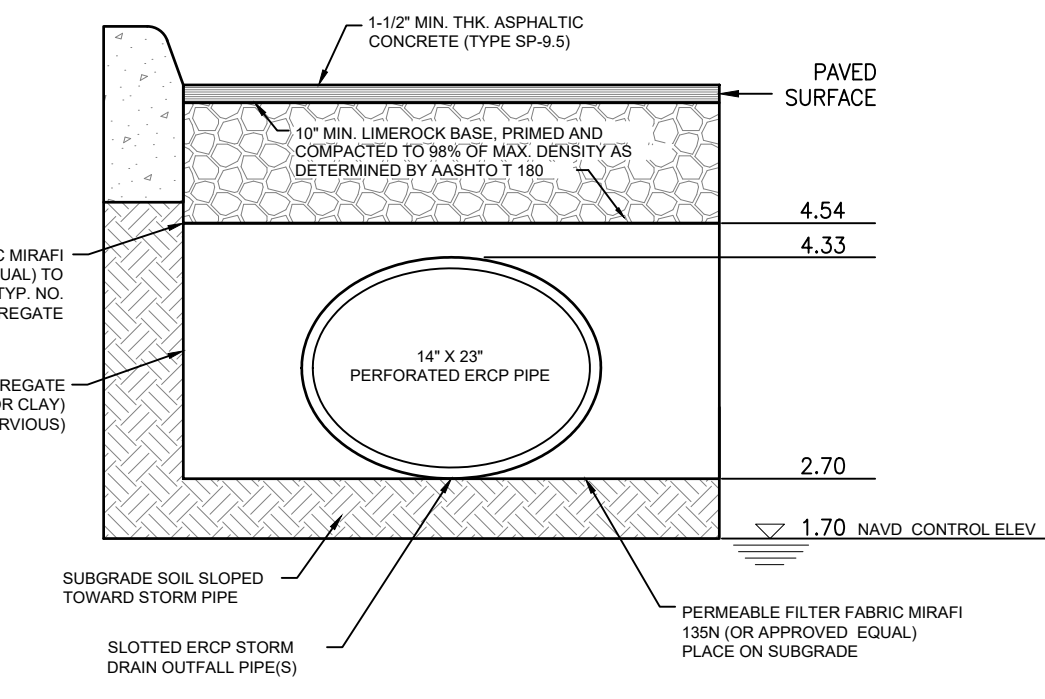
PVC STORM WATER DRAIN CLEANOUT DETAIL
N.T.S.



- NOTES:**
- COMPACTED FILL SHALL BE A MINIMUM OF 16", A-3 SELECT SOIL (AASH TO M145) W/ MAXIMUM 5% PASSING # 200 SIEVE, COMPACTED TO 95% MAXIMUM DENSITY.
 - WHEN A YARD DRAIN IS LOCATED WITHIN A RIP-RAP TRENCH UNDER DRAIN AREA, CONTRACTOR SHALL REFERENCE LANDSCAPE ARCHITECT'S PLANS FOR RIP-RAP TRENCH UNDER DRAIN SPECIFICATIONS, IF APPLICABLE.
 - IN INSTANCES WHERE A DOME GRATE IS SPECIFIED WITHIN A PLANTING BED OR MULCH AREA, CONTRACTOR SHALL SURROUND DOME GRATE WITH 12" WIDE, 6" DEEP RIP-RAP.
 - STORM WATER PVC PIPE MATERIAL SPECIFICATIONS:
 - FOR PIPES AND FITTINGS 4-INCHES IN DIAMETER AND LARGER THAT ARE NOT DESIGNED UNDER ROADWAYS OR EMERGENCY RESPONSE ACCESS ROADS SHALL BE ASTM D-3034 POLYVINYL CHLORIDE PIPE (PVC) SDR 35, COLOR-CODED GREEN OR WHITE, UNLESS OTHERWISE NOTED.
 - FOR PIPES AND FITTINGS 4-INCHES IN DIAMETER AND LARGER THAT ARE NOT DESIGNED UNDER ROADWAYS OR EMERGENCY RESPONSE ACCESS ROADS SHALL BE ASTM D-3034 POLYVINYL CHLORIDE PIPE (PVC) SDR 35, COLOR-CODED GREEN OR WHITE.
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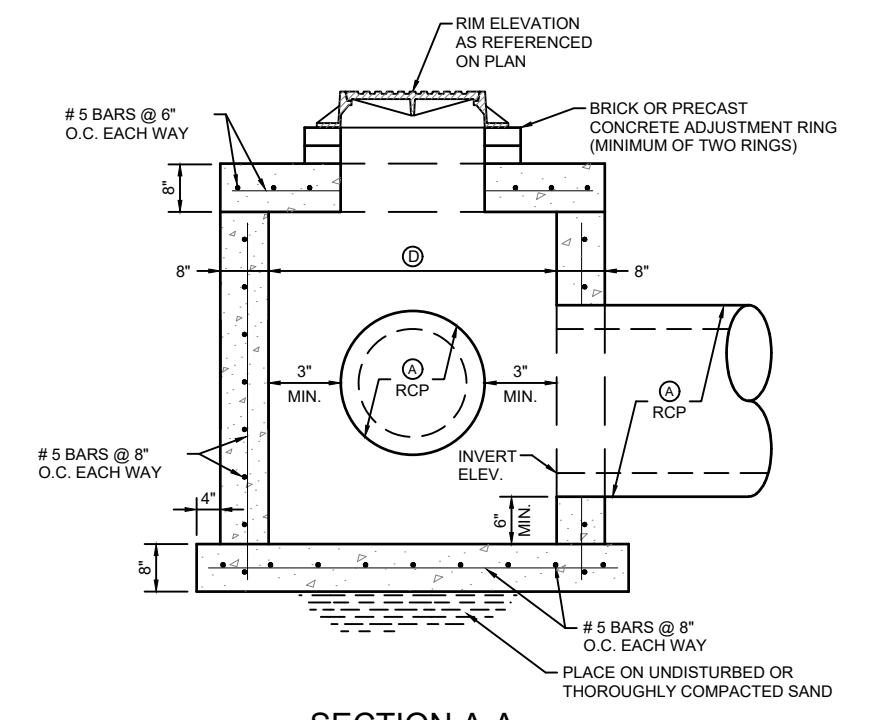
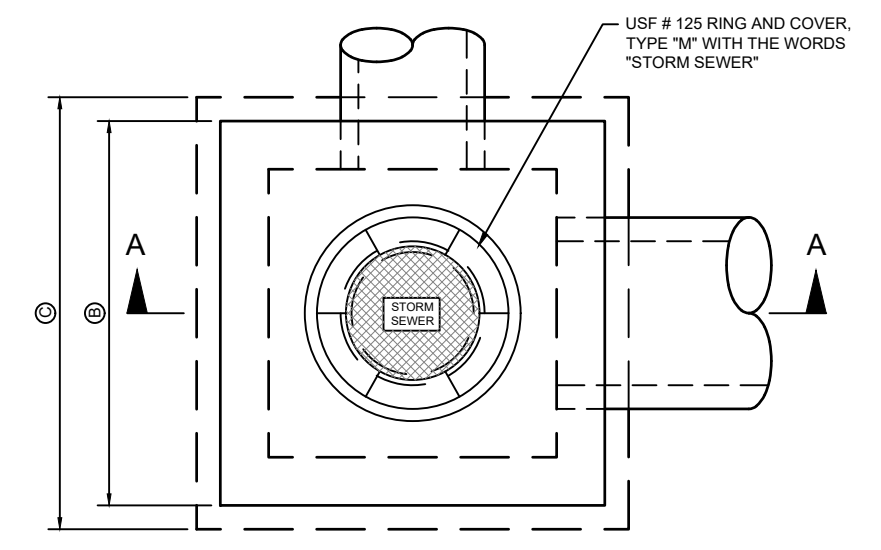
YARD DRAIN GRATE SPECIFICATION TABLE						
APPLICATION	SIZE	STYLE (STANDARD OR RESTRICTED)	SHAPE	MATERIAL	MANUFACTURER	DROP-IN GRATE MODEL No. / CATCH BASIN MODEL No.
PLANTING BEDS	10"	STANDARD	ROUND (D)	DUCTILE IRON GRATE, CAST IRON FRAME	NYLOPLAST	10" DROP-IN (SEE DETAIL, ADD PVC ADAPTER AS NECESSARY) / 10" MODEL 2810AG (SEE DETAIL, ADD PVC ADAPTER AS NECESSARY)
LAWN & TURF AREAS	8"	STANDARD	ROUND (RD)	DUCTILE IRON GRATE, CAST IRON FRAME	NYLOPLAST	8" MODEL 8801D (SEE DETAIL, ADD PVC ADAPTER AS NECESSARY) / 8" MODEL 2808AG (SEE DETAIL, ADD PVC ADAPTER AS NECESSARY)
LAWN & TURF AREAS	12"	STANDARD	ROUND (RD)	DUCTILE IRON GRATE, CAST IRON FRAME	NYLOPLAST	12" MODEL 1201DI (SEE DETAIL, ADD PVC ADAPTER AS NECESSARY) / 12" MODEL 2812AG (SEE DETAIL, ADD PVC ADAPTER AS NECESSARY)
HARDSCAPE	REFERENCE ARCHITECT'S OR LANDSCAPE ARCHITECT'S PLANS FOR SPECIFICATIONS					

YARD DRAIN & PVC RISER DETAIL
N.T.S.

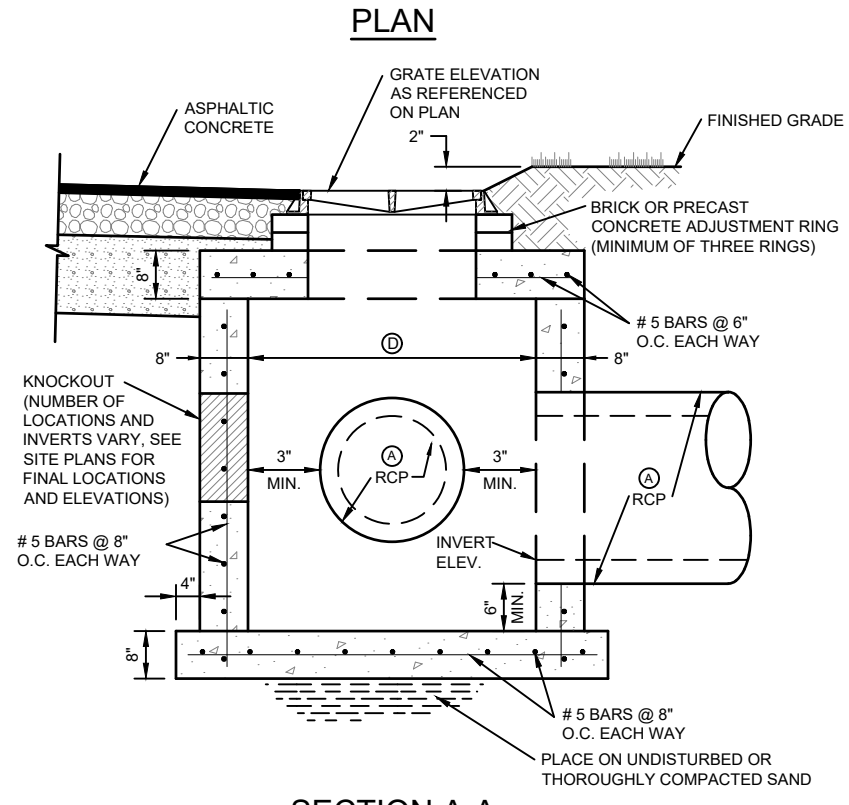
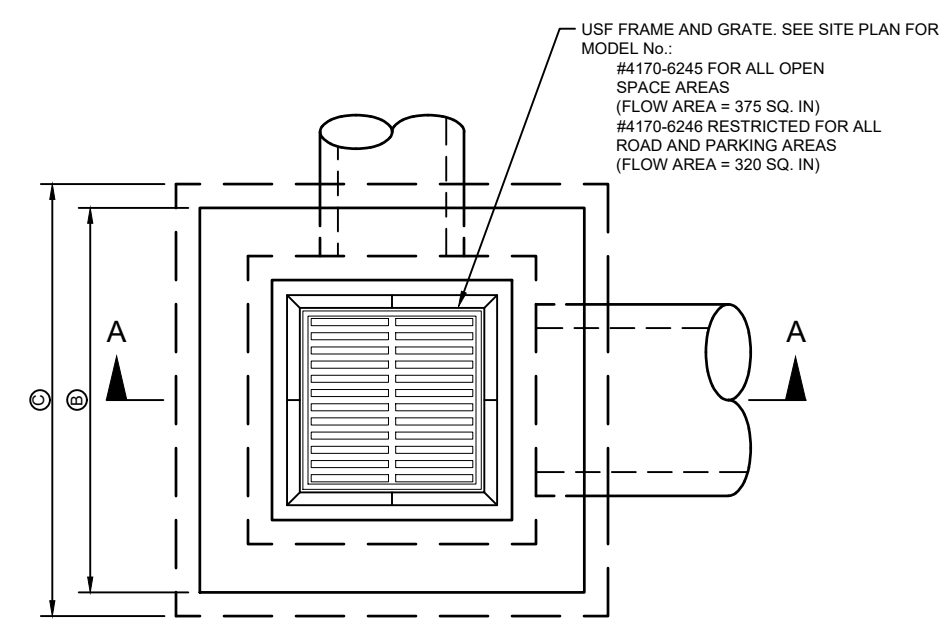


- NOTES:**
- IF THERE ARE ANY CONFLICTS OR DISCREPANCIES WITH THE LOCATIONS AND/OR SPECIFICATIONS BETWEEN THE ARCHITECT'S STRUCTURAL AND CIVIL PLANS, CONTRACTOR SHALL COORDINATE WITH THE CIVIL ENGINEER IMMEDIATELY. THE CONTRACTOR IS REQUIRED TO OBTAIN FROM THE CIVIL ENGINEER ANY DEVIATIONS PRIOR TO INSTALLATION.
 - THE SITE AND/OR UTILITY CONTRACTOR SHALL NOTIFY THE CIVIL ENGINEER AND COLLIER COUNTY ENGINEERING INSPECTION SERVICES FOR AN INSPECTION OF THE TRENCH DRAINS PRIOR TO FINAL BACKFILL TO ASSURE PROPER GRADATION OF ROCK AND INSTALLATION OF FILTER FABRIC.

EXFILTRATION TRENCH SECTION DETAIL
N.T.S.



GRATE INLET DETAIL
N.T.S.



GRATE INLET DETAIL
N.T.S.

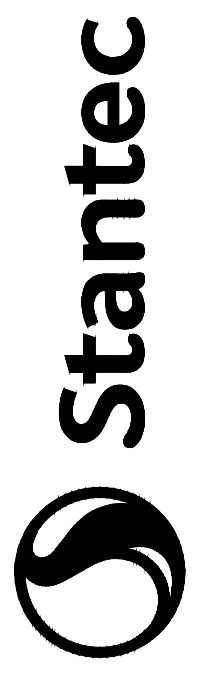
DESIGN NOTES FOR STORM WATER STRUCTURES

- ALL REINFORCING STEEL, AS SHOWN SHALL HAVE TWO INCHES (2") MINIMUM COVER.
- ALL CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 3,000 P.S.I. @ 28 DAYS.
- REFERENCE FDOT DESIGN INDEX, LATEST REVISION STANDARDS (INDEX 425-052) FOR REINFORCING STEEL.
- ROUND STRUCTURES MAY BE SUBSTITUTED UPON APPROVAL BY THE ENGINEER.

*** RECOMMENDED STORM WATER STRUCTURE DIMENSION TABLE**

Ø	Ø	Ø	Ø
12"	52"	60"	36"
15"	52"	60"	36"
18"	52"	60"	36"
24"	58"	66"	42"
30"	64"	72"	48"
36"	70"	78"	54"
42"	76"	84"	60"
48"	82"	90"	66"
54"	88"	96"	72"
60"	94"	102"	78"
66"	100"	108"	84"
72"	106"	114"	90"

* DIMENSION TABLE PROVIDED ABOVE IS A RECOMMENDATION BY THE CIVIL ENGINEER. STRUCTURES SIZES SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST FDOT DESIGN INDEX STANDARDS AND PER THE PRECASTER'S DESIGN STANDARDS. HOWEVER, STRUCTURES SHALL BE DESIGNED TO MEET MINIMUM DIMENSIONS FOR THROAT AND SIDE INLETS AS SPECIFIED BY THE CIVIL ENGINEER.



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Fort Myers, FL 33901-3436
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By	YYTJ.MM.DD
Revision	
By	YYTJ.MM.DD
Issued	

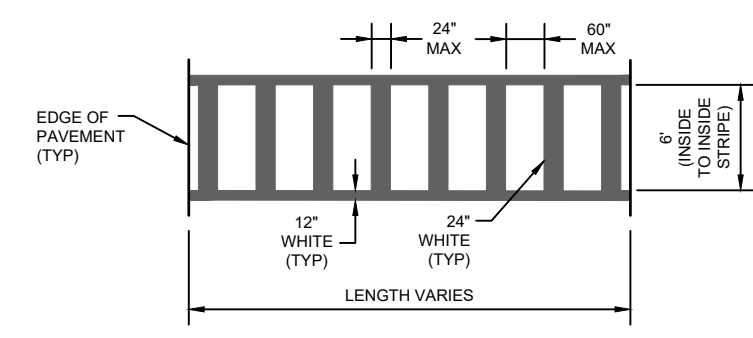
Permit/Seal
PRELIMINARY NOT FOR CONSTRUCTION
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Client/Project
BSSW ARCHITECTS, INC.
949 CENTRAL AVE, NAPLES FL, 34102
1ST AVE S. PUBLIC PARKING GARAGE
9220 BONITA BEACH RD, NAPLES FL

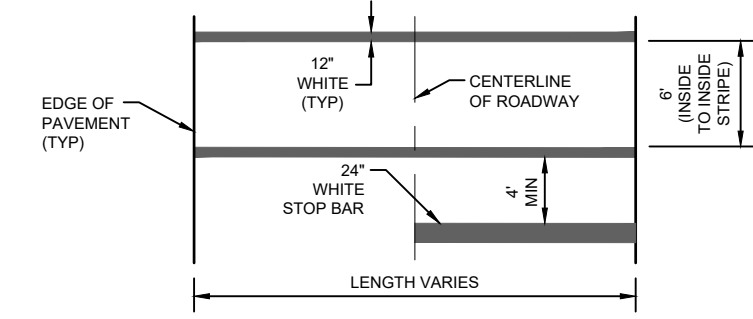
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File Name: 7_215617573_01C-CG500
Scale: N/A
D.L.P. J.B.B. C.E.B. JAN. 2023
Dwn. Dgn. Chkd. YYYY.MM.DD

Title
DRAINAGE DETAILS
Revision: Sheet: of
Drawing No.
CG500

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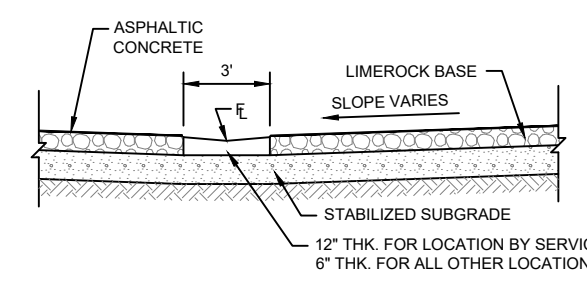
SPECIAL EMPHASIS CROSSWALK MARKING (MID-BLOCK)



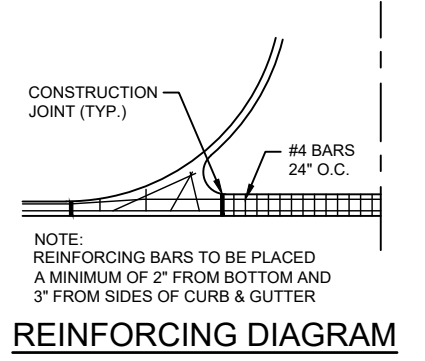
CROSSWALK AT STOP CONDITION

- 1) ROADWAY SIGNAGE AND PAVEMENT MARKINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS (FDOT No. 711-001).
- 2) TRAFFIC SIGNAGE AND PAVEMENT MARKINGS AS WELL AS ROADWAY DESIGN IS TO BE IMPLEMENTED IN ACCORDANCE WITH STANDARDS AND SPEED ZONING REQUISITES ADOPTED BY THE STATE IN ACCORDANCE WITH STATE STATUTE.

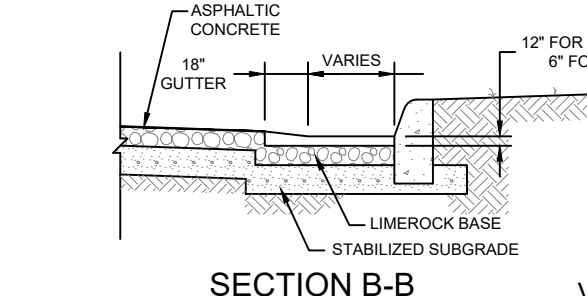
ROADWAY SIGNAGE AND PAVEMENT MARKING DETAILS
N.T.S.



SECTION A-A



REINFORCING DIAGRAM

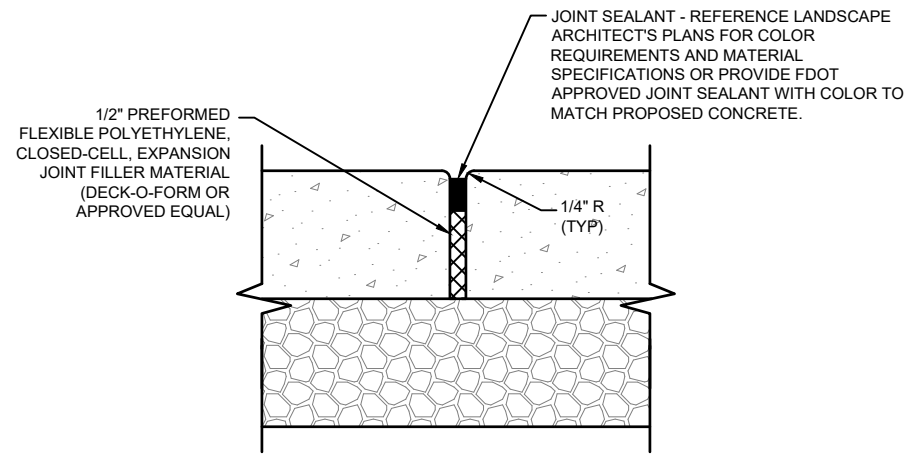


SECTION B-B

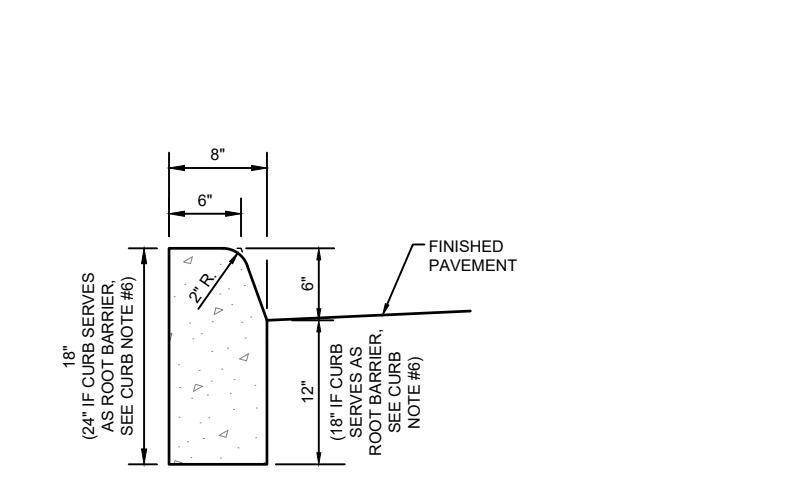
VALLEY CROSSING NOTES:

- 1) CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 3,000 P.S.I. IN 28 DAYS UNLESS OTHERWISE NOTED.
- 2) CONSTRUCTION JOINTS, EXPANSION JOINTS, AND ALLOWED CURING METHODS SHALL BE MADE IN ACCORDANCE WITH THE LATEST FOOT DESIGN INDEX STANDARDS AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- 3) PVC SLIP JOINTS SHALL BE CONSTRUCTED TO PERMIT EXPANSION & CONTRACTION OF STEEL ACROSS JOINT.
- 4) EXPANSION JOINTS SHALL BE CONSTRUCTED WITH 1/2" BITUMINOUS IMPREGATED EXPANSION JOINT MATERIAL.
- 5) CONTRACTOR SHALL CONSTRUCT ALL CURB RAMPS AT A 1:1 SLOPE, AND SHALL BE NO STEEPER THAN THE MAX. SLOPE (8.3%) IN ACCORDANCE WITH THE LATEST FOOT DESIGN INDEX STANDARDS No. 522-002.
- 6) CONTRACTOR SHALL CONSTRUCT ALL SIDEWALKS SO THAT LONGITUDINAL SLOPES DO NOT EXCEED 2:1 (UNLESS HANDRAILS ARE PROVIDED). CROSS-SLOPES DO NOT EXCEED 50:1 (2% MAX), AND ALL LANDINGS OR TURN-AROUND AREAS (6' SQUARE MIN) SHALL NOT EXCEED 50:1 (2% MAX) SLOPE IN ALL DIRECTIONS PER FLORIDA BUILDING CODE ACCESSIBILITY SECTION.
- 7) SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST A.D.A. AND LATEST FOOT DESIGN INDEX STANDARDS No. 522-001 AND 522-002.
- 8) AT ALL PEDESTRIAN CROSSINGS AND CURB RAMPS, CONTRACTOR SHALL INSTALL DETECTABLE WARNING SURFACE (ON THE FULL WIDTH OF THE PEDESTRIAN CROSSING AND 2' DEEP) IN ACCORDANCE WITH THE LATEST FOOT DESIGN INDEX STANDARDS No. 522-002 AND FLORIDA BUILDING CODE ACCESSIBILITY SECTION. DETECTABLE WARNING SURFACE SHALL BE TILE MOLDING OR A.D.A. CONCRETE PAVEMENT BRICKS, AND WARNING SURFACE SHALL CONTRAST VISUALLY WITH THE ADJACENT WALKING SURFACES EITHER, LIGHT-ON-DARK, OR DARK-ON-LIGHT.
- 9) CONTRACTOR SHALL CONSTRUCT ALL CURB RAMPS AT A 1:1 SLOPE, AND SHALL BE NO STEEPER THAN THE MAX. SLOPE (8.3%) IN ACCORDANCE WITH THE LATEST FOOT DESIGN INDEX STANDARDS No. 522-002.
- 10) CONTRACTOR SHALL CONSTRUCT ALL SIDEWALKS SO THAT LONGITUDINAL SLOPES DO NOT EXCEED 2:1 (UNLESS HANDRAILS ARE PROVIDED). CROSS-SLOPES DO NOT EXCEED 50:1 (2% MAX), AND ALL LANDINGS OR TURN-AROUND AREAS (6' SQUARE MIN) SHALL NOT EXCEED 50:1 (2% MAX) SLOPE IN ALL DIRECTIONS PER FLORIDA BUILDING CODE ACCESSIBILITY SECTION.

TYPICAL CONCRETE SIDEWALK OR PAD SECTION DETAILS
N.T.S.

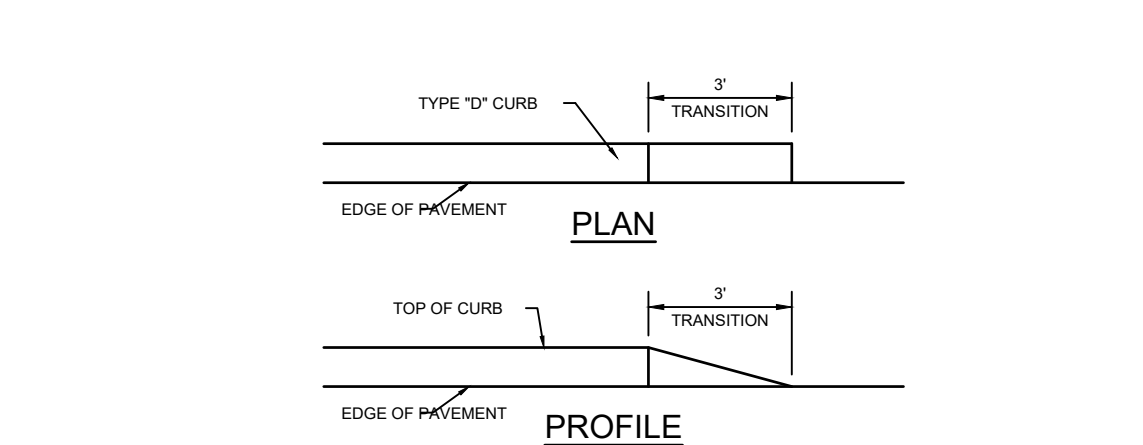


TYPICAL CONCRETE SIDEWALK, PAD OR PAVEMENT EXPANSION JOINT DETAIL
N.T.S.

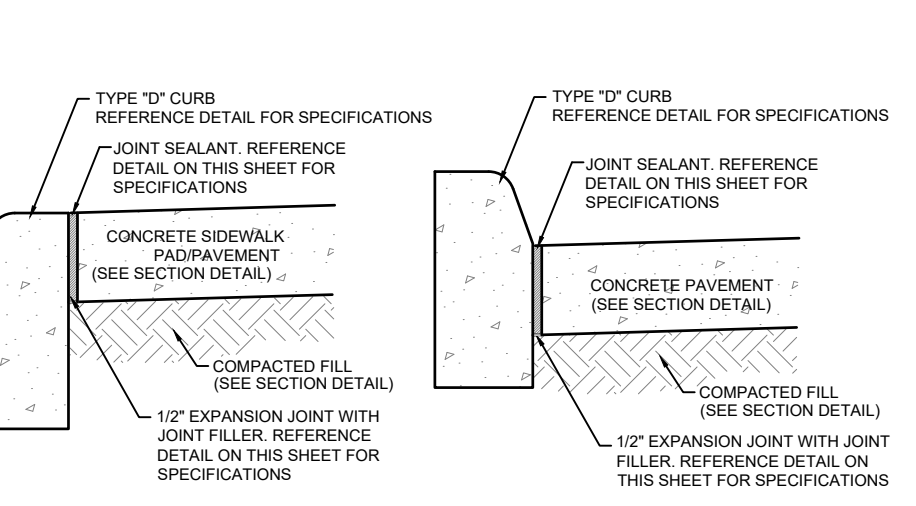


TYPICAL TYPE "D" CURB DETAIL
N.T.S.

TYPICAL VALLEY GUTTER CROSSING DETAIL
(FOR TYPE "F" CURB TO TYPE "D" CURB)
N.T.S.

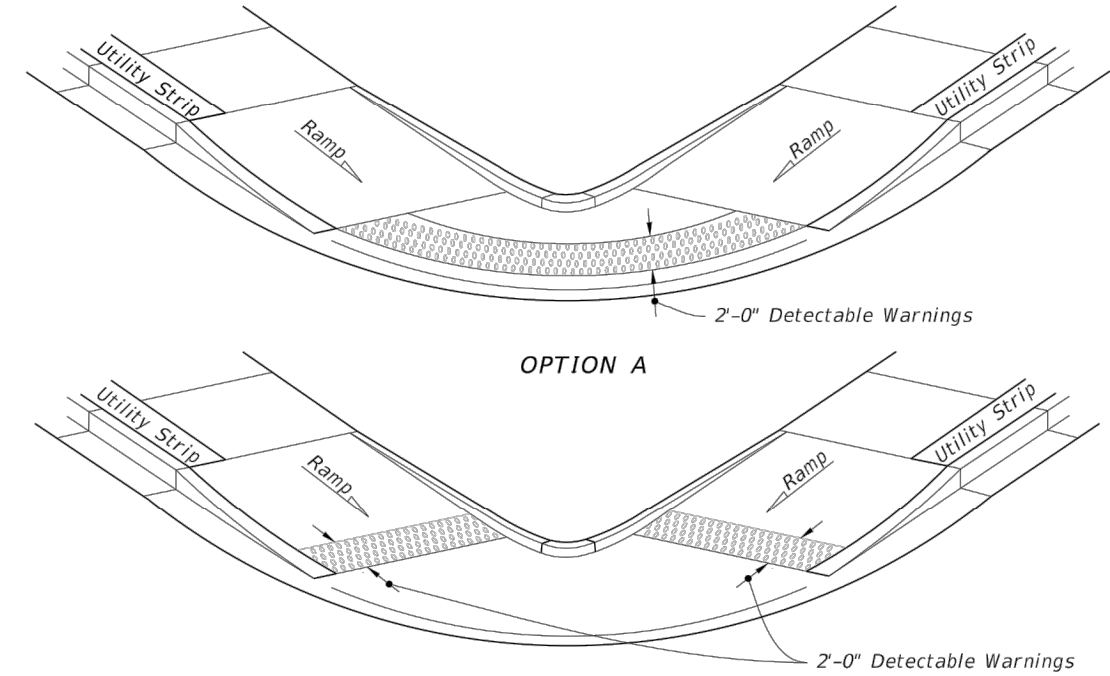


TYPICAL TYPE "D" TRANSITION CURB DETAIL
N.T.S.

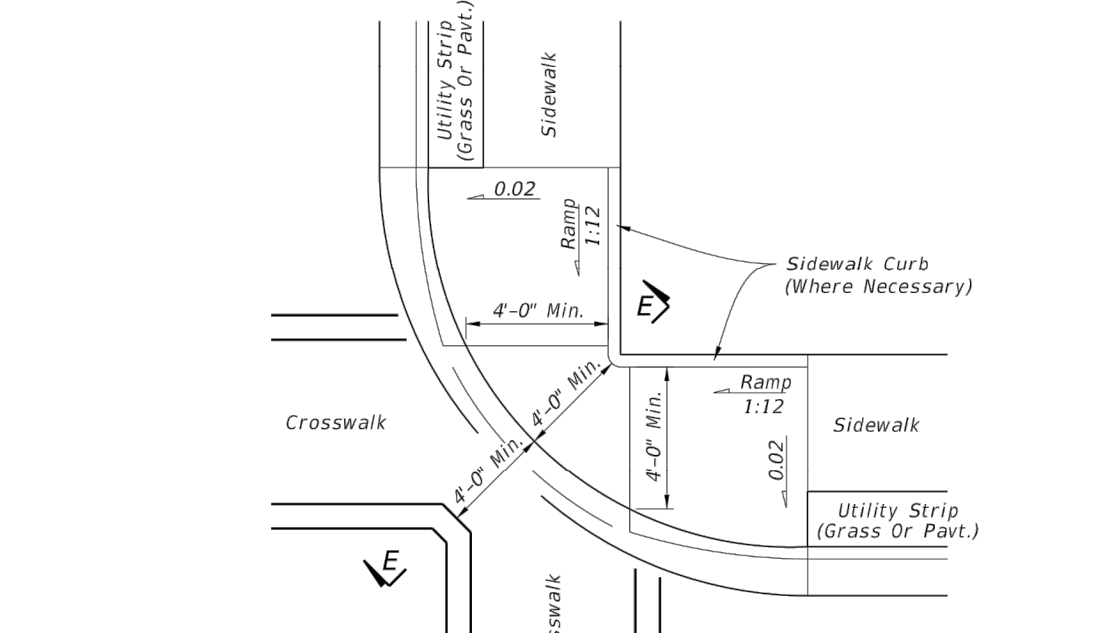


CONCRETE PAVEMENT/CURB INTERFACE DETAILS
N.T.S.

TYPICAL TYPE "D" CURB DETAIL
N.T.S.



OPTION B ISOMETRIC VIEW

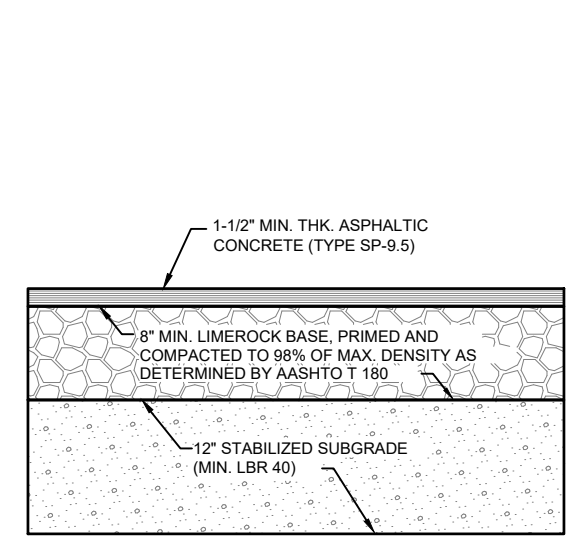


PLAN VIEW CR-L

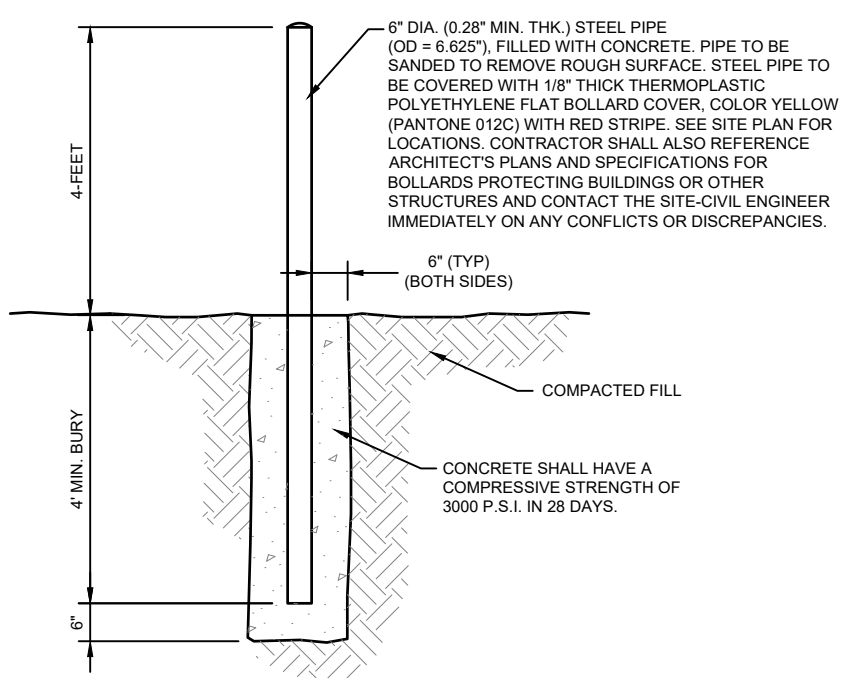
SIDEWALK CURB RAMPS CR-H, CR-K & CR-L

- NOTES:**
- 1) ASPHALTIC CONCRETE PAVEMENT TYPE S-III CAN BE PLACED IN TWO 3/4" LIFTS, ACCORDING TO AASHTO ASPHALT MANUAL.
 - 2) 5-1/2" LIMEROCK BASE MATERIAL MAY BE SUBSTITUTED AS AN ALTERNATE DESIGN TO THE 12" STABILIZED SUBGRADE. ALL SPECIFICATIONS FOR LIMEROCK BASE SHALL BE ADHERED TO.
 - 3) LIMEROCK BASE SHALL EXTEND AT LEAST 6" BEYOND EDGE OF PAVEMENT IF ROADWAY IS CONSTRUCTED WITHOUT A CURB DESIGN.
 - 4) STABILIZED SUBGRADE SHALL EXTEND AT LEAST 12" BEYOND EDGE OF PAVEMENT OR BACK OF CURB.

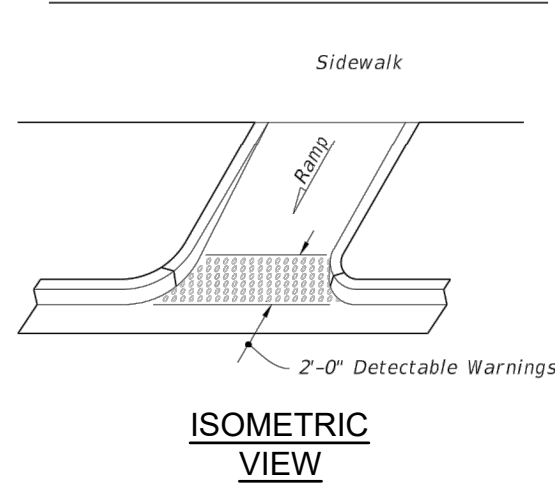
TYPICAL ASPHALT PAVEMENT ROADWAY SECTION DETAILS
N.T.S.



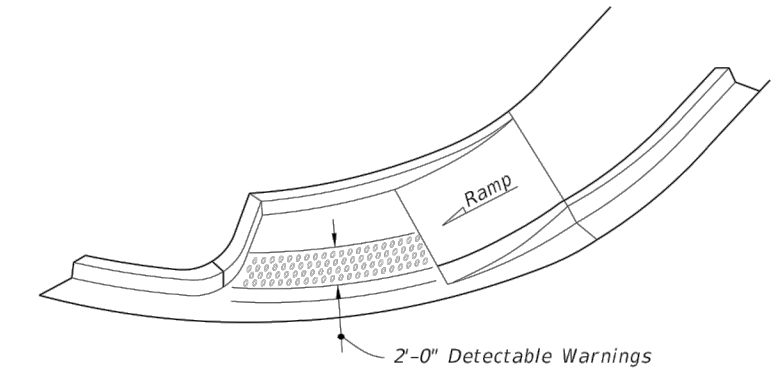
FOR PARKING AISLES AND PARKING AREAS



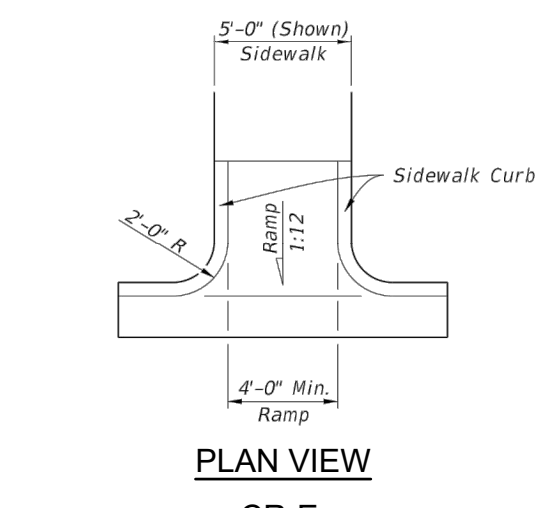
TYPICAL NON-DECORATIVE BOLLARD (VEHICULAR GUARD POST) DETAIL
N.T.S.



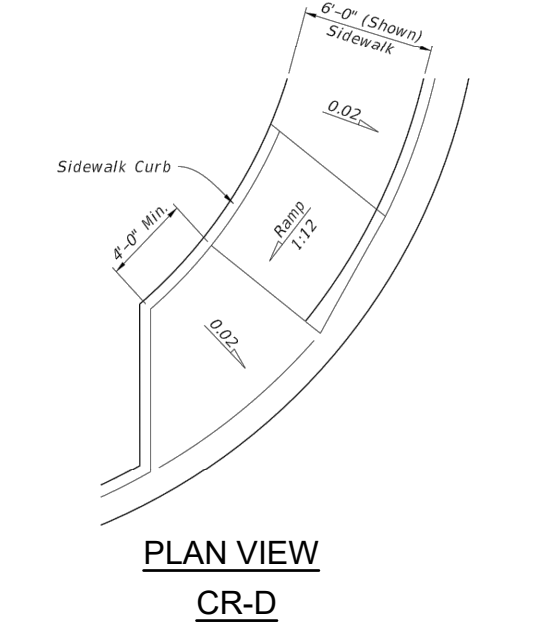
ISOMETRIC VIEW



ISOMETRIC VIEW



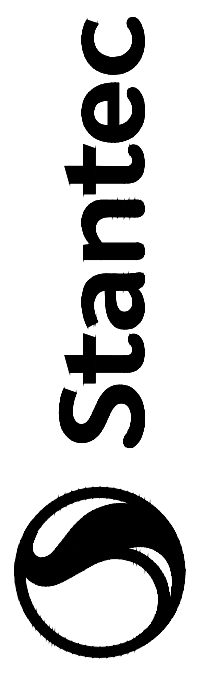
PLAN VIEW CR-E



PLAN VIEW CR-D

- NOTES:**
- 1) AT ALL PEDESTRIAN CROSSINGS AND CURB RAMPS, CONTRACTOR SHALL INSTALL DETECTABLE WARNING SURFACE (ON THE FULL WIDTH OF THE PEDESTRIAN CROSSING AND 2' DEEP) IN ACCORDANCE WITH THE LATEST FOOT DESIGN INDEX STANDARDS No. 522-002 AND FLORIDA BUILDING CODE ACCESSIBILITY SECTION. DETECTABLE WARNING SURFACE SHALL BE TILE MOLDING OR A.D.A. CONCRETE PAVEMENT BRICKS, AND WARNING SURFACE SHALL CONTRAST VISUALLY WITH THE ADJACENT WALKING SURFACES EITHER, LIGHT-ON-DARK, OR DARK-ON-LIGHT.
 - 2) CONTRACTOR SHALL CONSTRUCT ALL CURB RAMPS AT A 1:12 SLOPE, AND SHALL BE NO STEEPER THAN THE MAX. SLOPE (8.3%) IN ACCORDANCE WITH THE LATEST FOOT DESIGN INDEX STANDARDS No. 522-002.
 - 3) CONTRACTOR SHALL CONSTRUCT ALL SIDEWALKS SO THAT LONGITUDINAL SLOPES DO NOT EXCEED 2:1 (UNLESS HANDRAILS ARE PROVIDED). CROSS-SLOPES DO NOT EXCEED 50:1 (2% MAX), AND ALL LANDINGS OR TURN-AROUND AREAS (6' SQUARE MIN) SHALL NOT EXCEED 50:1 (2% MAX) SLOPE IN ALL DIRECTIONS PER FLORIDA BUILDING CODE ACCESSIBILITY SECTION.
 - 4) REFERENCE FOOT DESIGN INDEX No. 522-001, 522-001 and 522-002, LATEST REVISION STANDARDS FOR DETAIL SPECIFICATIONS.

SIDEWALK CURB RAMP FDOT INDEX NO. 522-002 DETAIL
N.T.S.



Stantec Consulting Services Inc.
1821 Victoria Avenue Suite 1
Fort Myers, FL 33901-3436
Tel: (239) 939-1020
www.stantec.com

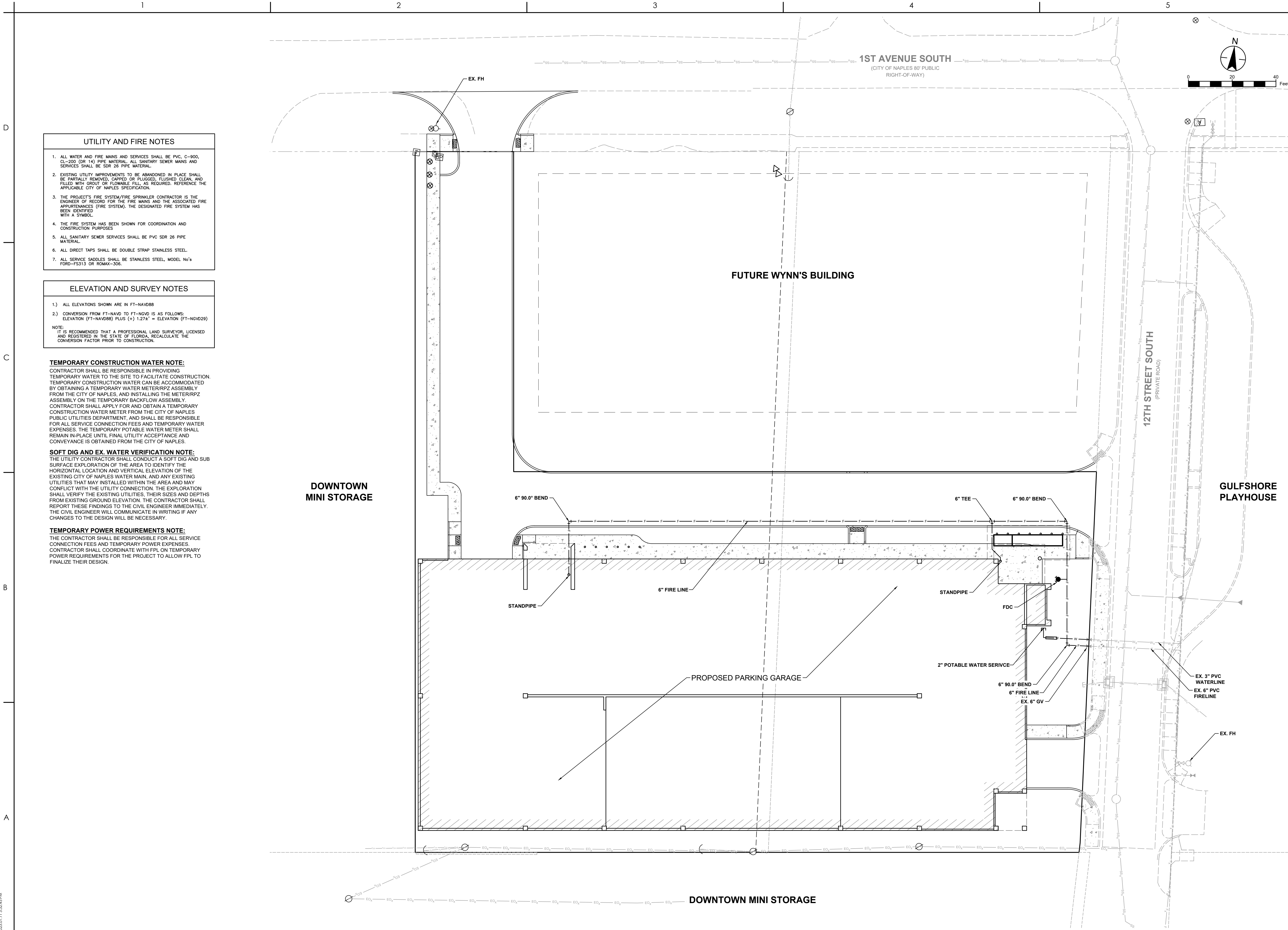
Prepared	YYT/AM/CD
Checked	YYT/AM/CD
Reviewed	YYT/AM/CD
Approved	YYT/AM/CD
Issued	YYT/AM/CD

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949 CENTRAL AVE, NAPLES FL, 34102
1ST AVE S. PUBLIC PARKING GARAGE
9220 BONITA BEACH RD, NAPLES FL

Project No.: 215617573
File Name: 8.215617573_01C-CG501
Scale: N/A
D.L.P. J.B.B. C.E.B. JAN. 2023
Dwn. Dgn. Chkd. YYYT/AM/CD
Title
PAVING DETAILS
Revision: Sheet: of
Drawing No.
CG501

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- UTILITY AND FIRE NOTES**
1. ALL WATER AND FIRE MAINS AND SERVICES SHALL BE PVC, C-900, CL-200 (OR 14) PIPE MATERIAL. ALL SANITARY SEWER MAINS AND SERVICES SHALL BE SDR 26 PIPE MATERIAL.
 2. EXISTING UTILITY IMPROVEMENTS TO BE ABANDONED IN PLACE SHALL BE PARTIALLY REMOVED, CAPPED OR PLUGGED, FLUSHED CLEAN, AND FILLED WITH GROUT OR FLOWABLE FILL, AS REQUIRED. REFERENCE THE APPLICABLE CITY OF NAPLES SPECIFICATION.
 3. THE PROJECT'S FIRE SYSTEM/FIRE SPRINKLER CONTRACTOR IS THE ENGINEER OF RECORD FOR THE FIRE MAINS AND THE ASSOCIATED FIRE APPURTENANCES (FIRE SYSTEM). THE DESIGNATED FIRE SYSTEM HAS BEEN IDENTIFIED WITH A SYMBOL.
 4. THE FIRE SYSTEM HAS BEEN SHOWN FOR COORDINATION AND CONSTRUCTION PURPOSES.
 5. ALL SANITARY SEWER SERVICES SHALL BE PVC SDR 26 PIPE MATERIAL.
 6. ALL DIRECT TAPS SHALL BE DOUBLE STRAP STAINLESS STEEL.
 7. ALL SERVICE SADDLES SHALL BE STAINLESS STEEL, MODEL No's FORD-FS313 OR ROMAX-306.

- ELEVATION AND SURVEY NOTES**
- 1.) ALL ELEVATIONS SHOWN ARE IN FT-NAVD88
 - 2.) CONVERSION FROM FT-NAVD TO FT-NGVD IS AS FOLLOWS:
 ELEVATION (FT-NAVD88) PLUS (+) 1.272' = ELEVATION (FT-NGVD29)
- NOTE:**
 IT IS RECOMMENDED THAT A PROFESSIONAL LAND SURVEYOR, LICENSED AND REGISTERED IN THE STATE OF FLORIDA, RECALCULATE THE CONVERSION FACTOR PRIOR TO CONSTRUCTION.

TEMPORARY CONSTRUCTION WATER NOTE:
 CONTRACTOR SHALL BE RESPONSIBLE IN PROVIDING TEMPORARY WATER TO THE SITE TO FACILITATE CONSTRUCTION. TEMPORARY CONSTRUCTION WATER CAN BE ACCOMMODATED BY OBTAINING A TEMPORARY WATER METER/RPZ ASSEMBLY FROM THE CITY OF NAPLES, AND INSTALLING THE METER/RPZ ASSEMBLY ON THE TEMPORARY BACKFLOW ASSEMBLY. CONTRACTOR SHALL APPLY FOR AND OBTAIN A TEMPORARY CONSTRUCTION WATER METER FROM THE CITY OF NAPLES PUBLIC UTILITIES DEPARTMENT, AND SHALL BE RESPONSIBLE FOR ALL SERVICE CONNECTION FEES AND TEMPORARY WATER EXPENSES. THE TEMPORARY POTABLE WATER METER SHALL REMAIN IN-PLACE UNTIL FINAL UTILITY ACCEPTANCE AND CONVEYANCE IS OBTAINED FROM THE CITY OF NAPLES.

SOFT DIG AND EX. WATER VERIFICATION NOTE:
 THE UTILITY CONTRACTOR SHALL CONDUCT A SOFT DIG AND SUB SURFACE EXPLORATION OF THE AREA TO IDENTIFY THE HORIZONTAL LOCATION AND VERTICAL ELEVATION OF THE EXISTING CITY OF NAPLES WATER MAIN, AND ANY EXISTING UTILITIES THAT MAY INSTALLED WITHIN THE AREA AND MAY CONFLICT WITH THE UTILITY CONNECTION. THE EXPLORATION SHALL VERIFY THE EXISTING UTILITIES, THEIR SIZES AND DEPTHS FROM EXISTING GROUND ELEVATION. THE CONTRACTOR SHALL REPORT THESE FINDINGS TO THE CIVIL ENGINEER IMMEDIATELY. THE CIVIL ENGINEER WILL COMMUNICATE IN WRITING IF ANY CHANGES TO THE DESIGN WILL BE NECESSARY.

TEMPORARY POWER REQUIREMENTS NOTE:
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SERVICE CONNECTION FEES AND TEMPORARY POWER EXPENSES. CONTRACTOR SHALL COORDINATE WITH FPL ON TEMPORARY POWER REQUIREMENTS FOR THE PROJECT TO ALLOW FPL TO FINALIZE THEIR DESIGN.

Stantec
 Stantec Consulting Services Inc.
 1821 Victoria Avenue Suite 1
 Fort Myers, FL 33901-3436
 Tel: (239) 939-1020
 www.stantec.com

Revision	By	App'd

Permit/Seal	By	App'd

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 949 CENTRAL AVE, NAPLES FL, 34102

1ST AVE S. PUBLIC PARKING GARAGE

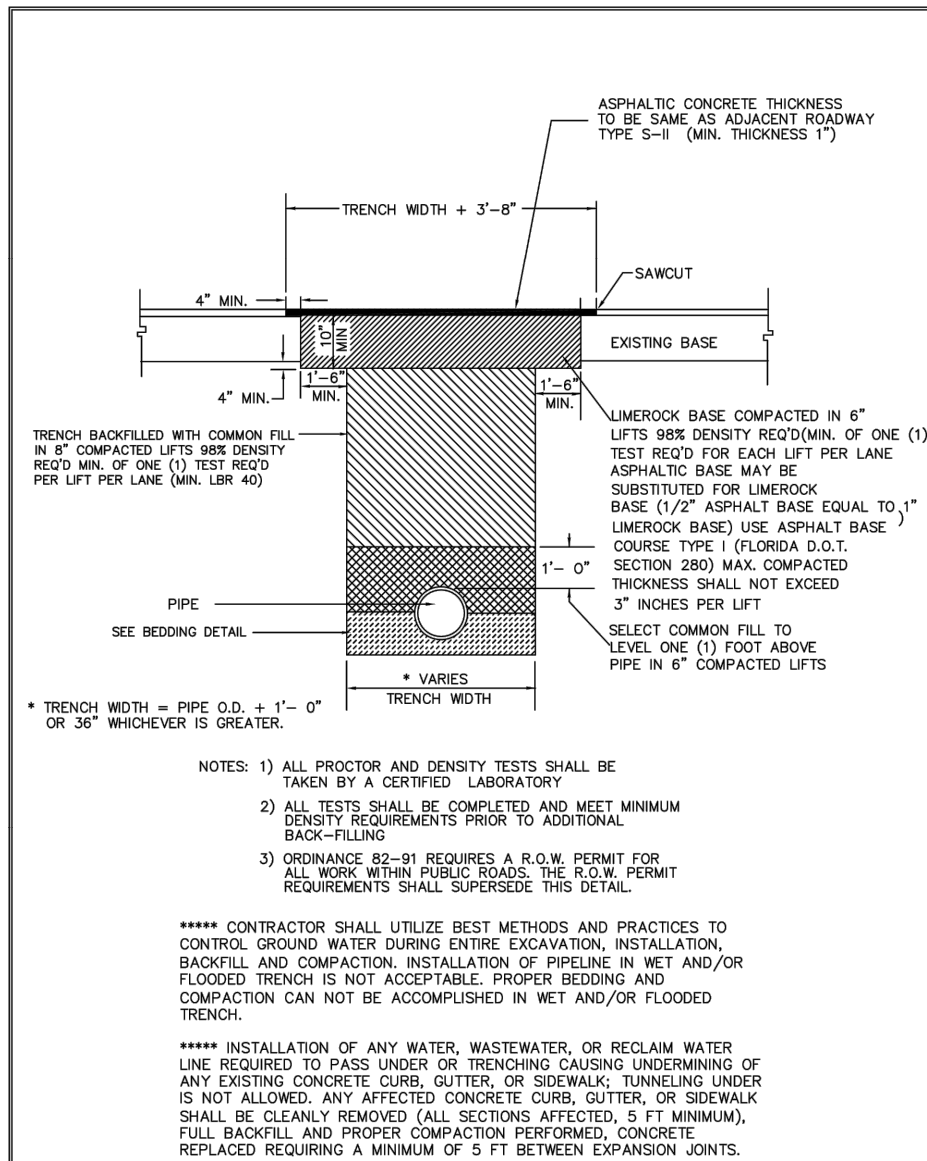
9220 BONITA BEACH RD, NAPLES FL

Project No.: 215617573
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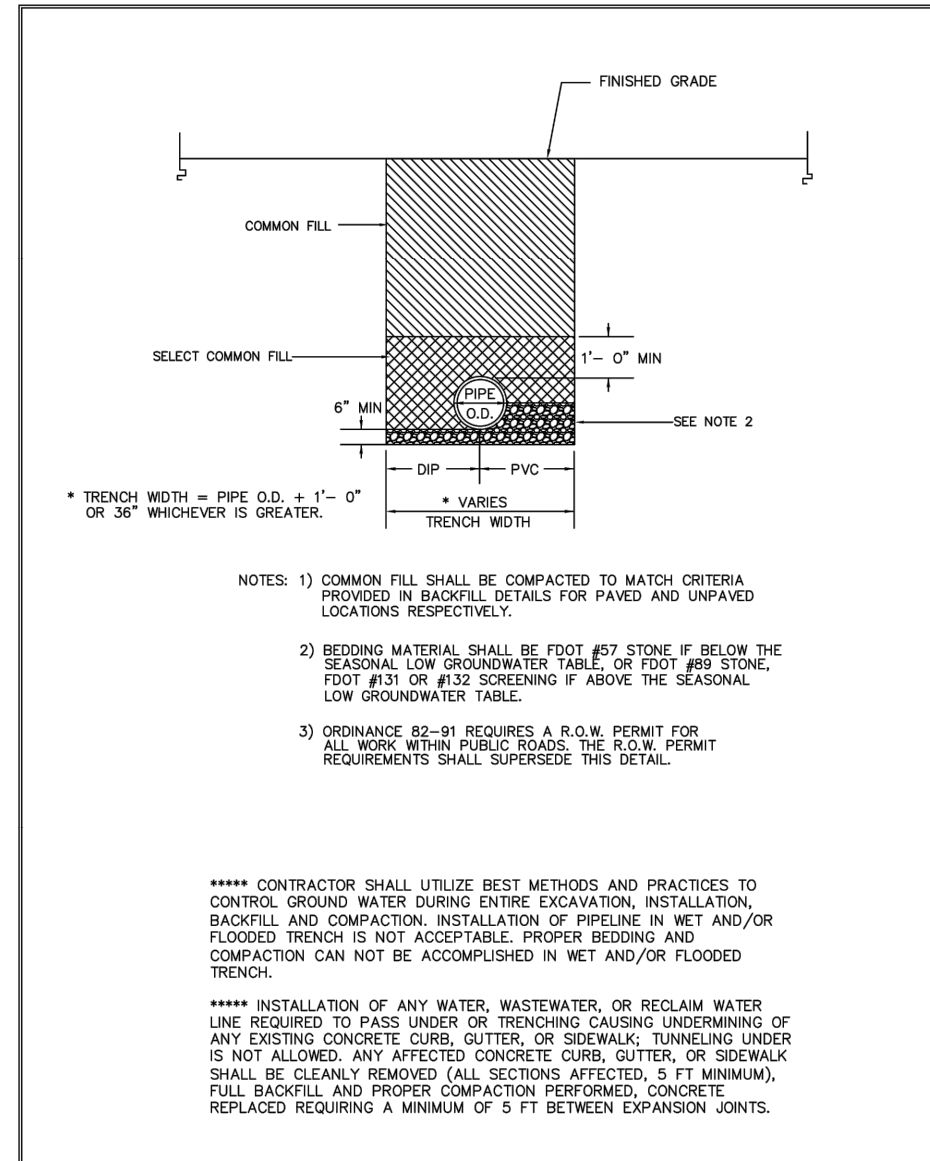
D.L.P.	J.B.B.	C.E.B.	JAN. 2023
Dwn.	Dgn.	Chkd.	YYYY.MM.DD

Title
UTILITY PLAN

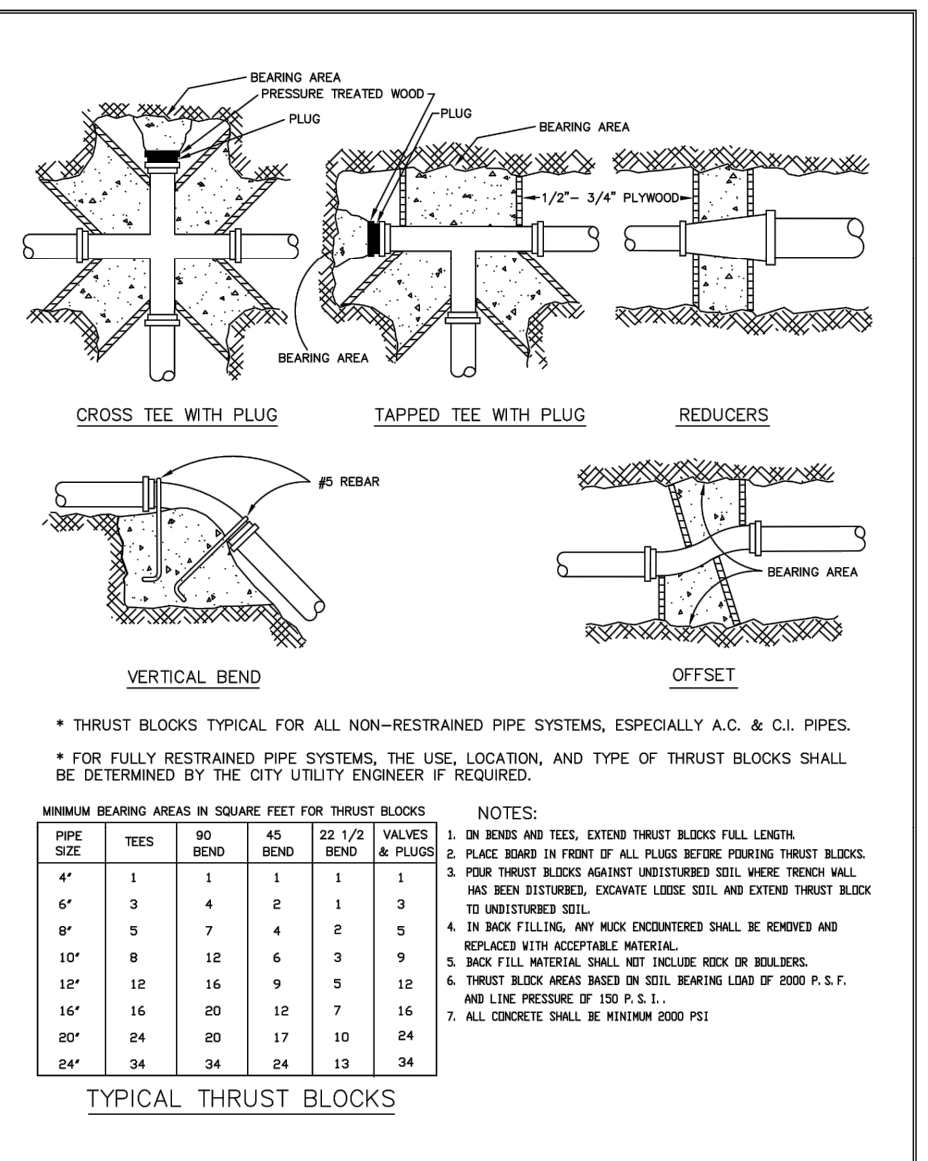
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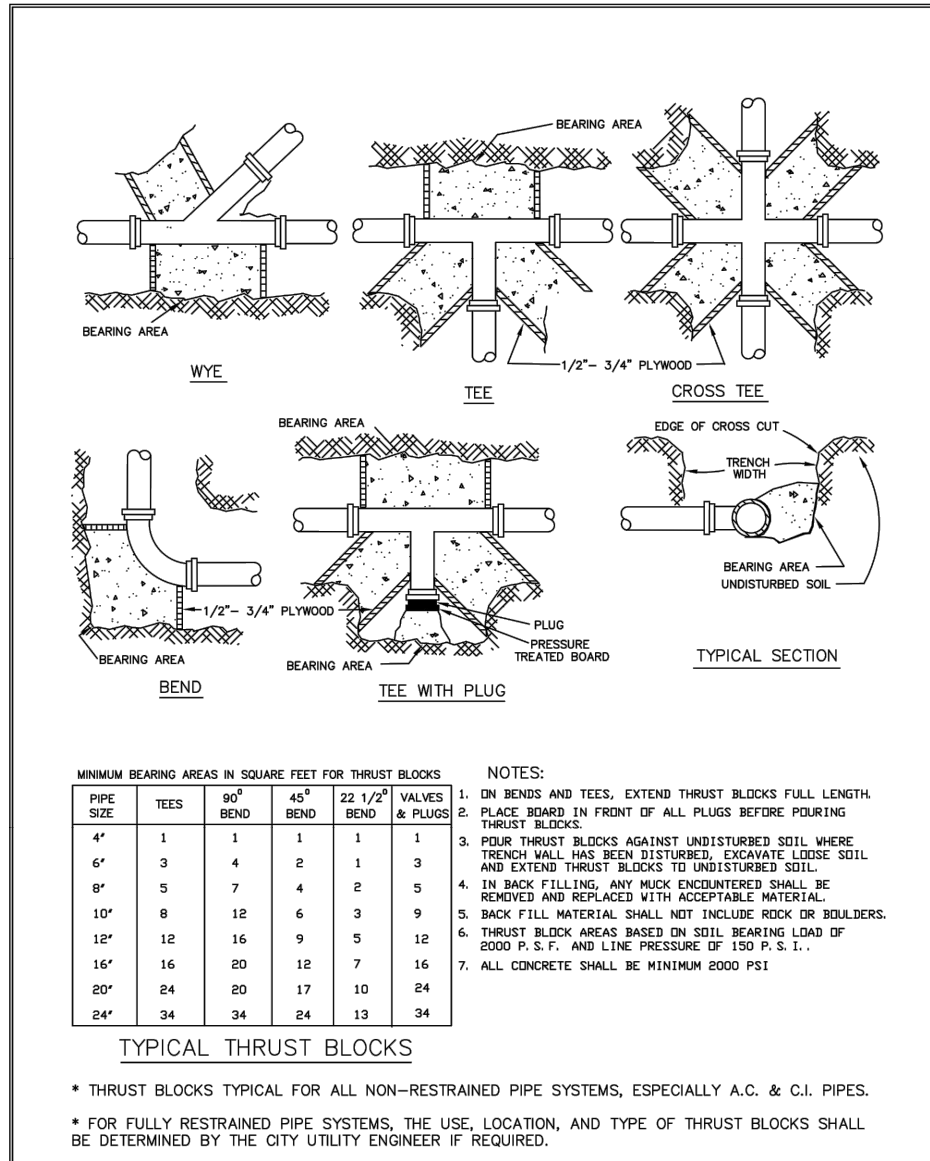
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DATE:	JAN. 2016	BACKFILL - PAVED ROADWAYS
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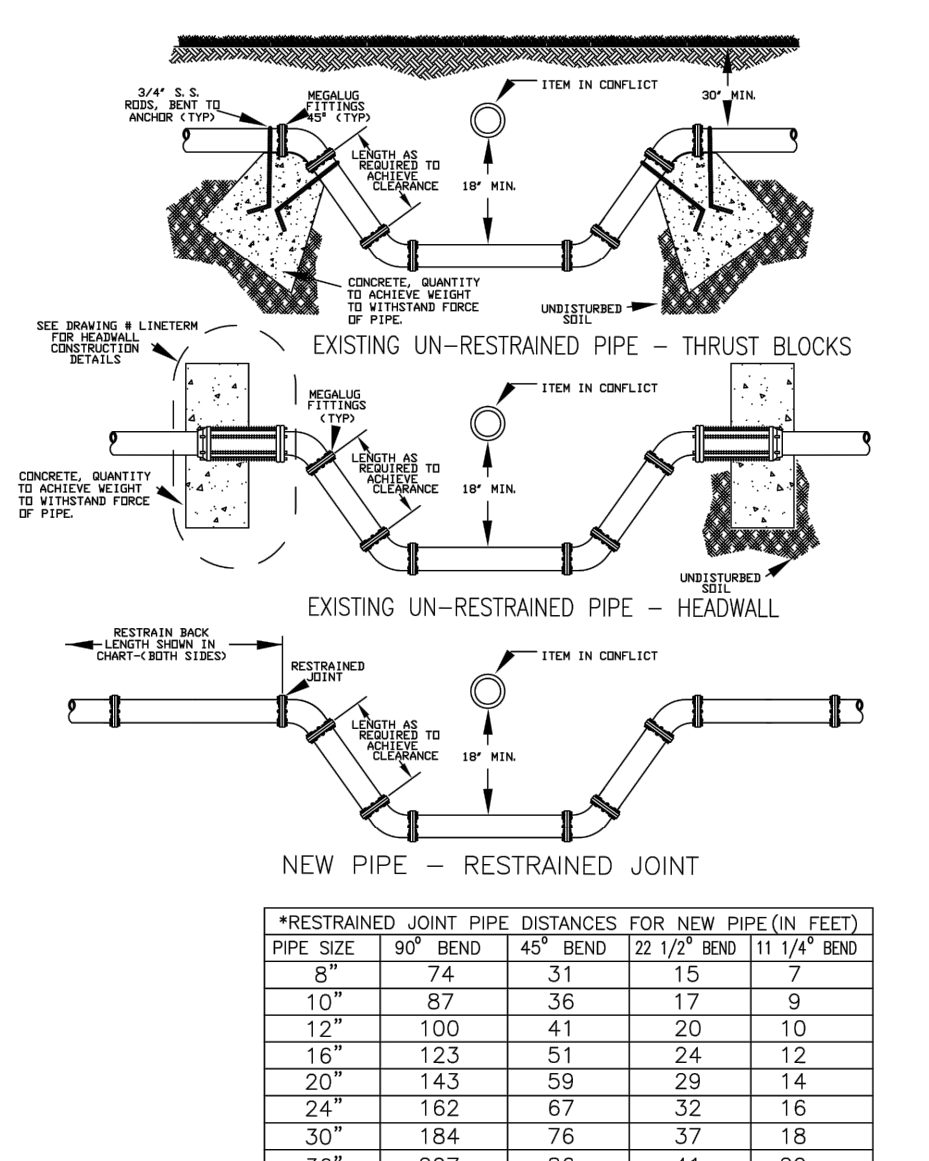
FOR:	UTILITIES DEPARTMENT	CITY OF NAPLES
DATE:	JAN. 2016	PIPE BEDDING & BACKFILL
DRAWN:	DAG/AMH	DIR: UTILITDS
SCALE:	N.T.S.	380 RIVERSIDE CIRCLE, NAPLES, FL 34102
		DWG. U-03-16.DWG



FOR:	UTILITIES DEPARTMENT	CITY OF NAPLES
DATE:	JAN. 2016	THRUST BLOCKS NO. 1
DRAWN:	DAG/AMH	DIR: UTILITDS
SCALE:	N.T.S.	380 RIVERSIDE CIRCLE, NAPLES, FL 34102
		DWG. U-04-16.DWG



FOR:	UTILITIES DEPARTMENT	CITY OF NAPLES
DATE:	JAN. 2016	THRUST BLOCKS NO. 2
DRAWN:	DAG/AMH	DIR: UTILITDS
SCALE:	N.T.S.	380 RIVERSIDE CIRCLE, NAPLES, FL 34102
		DWG. U-05-16.DWG

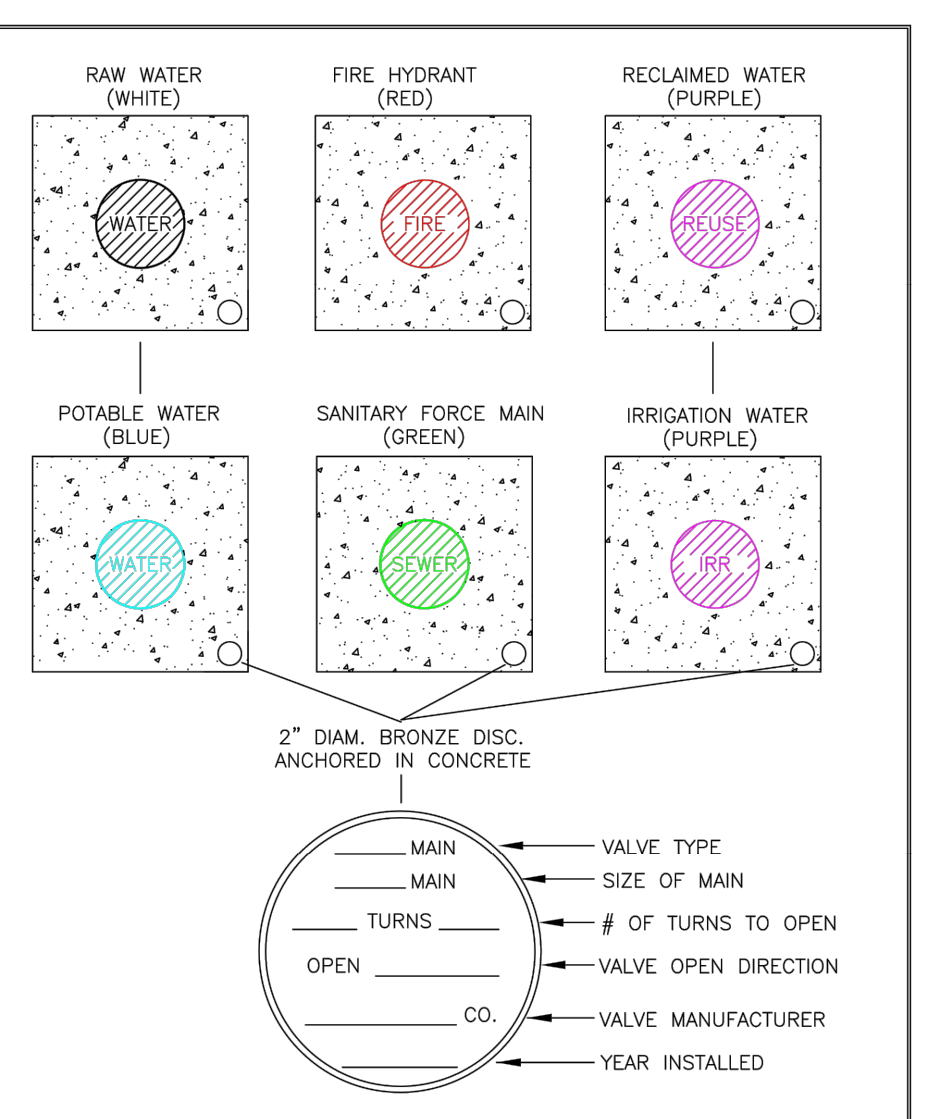


FOR:	UTILITIES DEPARTMENT	CITY OF NAPLES
DATE:	JAN. 2016	TYPICAL CONFLICT CROSSING
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SCALE:	N.T.S.	380 RIVERSIDE CIRCLE, NAPLES, FL 34102
		DWG. U-08-16.DWG

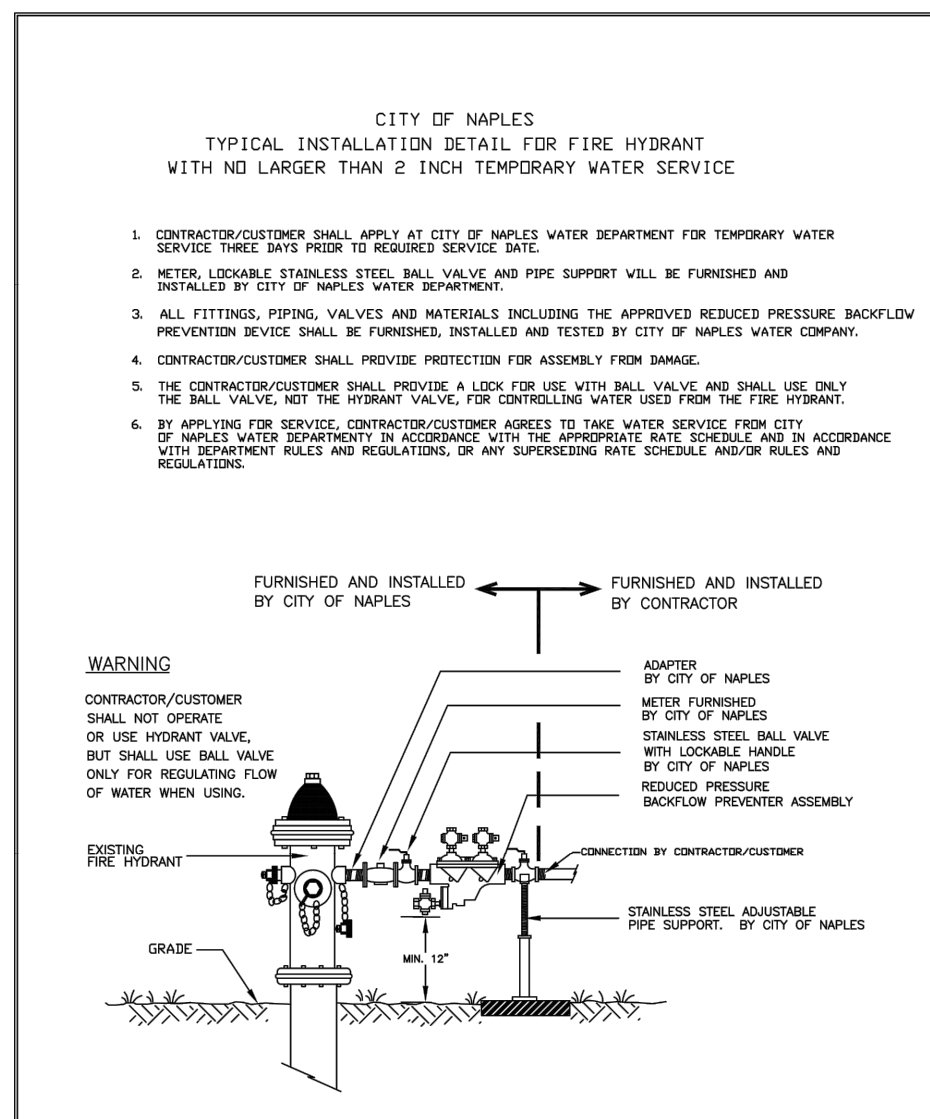
PIPE SIZE IN INCHES	RESTRAINED PIPE LENGTH IN FEET (1)				DEAD ENDS (2)	45° VERTICAL BENDS	
	90°	45°	22-1/2°	11-1/4°		UPPER	LOWER
6 x 4	23	8	3	2	55	23	8
6 x 6	32	13	6	3	57	23	11
8 x 4	24	9	4	2	55	23	8
8 x 6	32	13	6	3	57	23	11
10 x 6	37	14	7	4	57	23	11
12 x 6	41	15	7	4	57	23	11
12 x 8	41	15	7	4	57	23	11
12 x 10	41	15	7	4	57	23	11
14 x 6	41	15	7	4	57	23	11
14 x 8	41	15	7	4	57	23	11
14 x 10	41	15	7	4	57	23	11
16 x 6	41	15	7	4	57	23	11
16 x 8	41	15	7	4	57	23	11
16 x 10	41	15	7	4	57	23	11
18 x 6	41	15	7	4	57	23	11
18 x 8	41	15	7	4	57	23	11
18 x 10	41	15	7	4	57	23	11
20 x 6	41	15	7	4	57	23	11
20 x 8	41	15	7	4	57	23	11
20 x 10	41	15	7	4	57	23	11
24 x 6	41	15	7	4	57	23	11
24 x 8	41	15	7	4	57	23	11
24 x 10	41	15	7	4	57	23	11
30 x 6	41	15	7	4	57	23	11
30 x 8	41	15	7	4	57	23	11
30 x 10	41	15	7	4	57	23	11
36 x 6	41	15	7	4	57	23	11
36 x 8	41	15	7	4	57	23	11
36 x 10	41	15	7	4	57	23	11

PIPE SIZE IN INCHES	RESTRAINED PIPE LENGTH IN FEET (1)	
	TEE (3)	REDUCER (4)
6 x 4	0	40
6 x 6	34	
8 x 4	0	72
8 x 6	55	
10 x 6	3	74
10 x 8	75	
12 x 4	0	122
12 x 6	31	75
12 x 8	95	
16 x 6	0	153
16 x 8	44	107
16 x 10	134	
18 x 6	0	157
18 x 8	69	108
18 x 10	152	
20 x 6	20	161
20 x 8	120	77
20 x 10	170	
24 x 6	12	187
24 x 8	132	109
24 x 10	224	
30 x 6	78	213
30 x 8	136	165
30 x 10	252	
36 x 6	84	259
36 x 8	170	191
36 x 10	298	

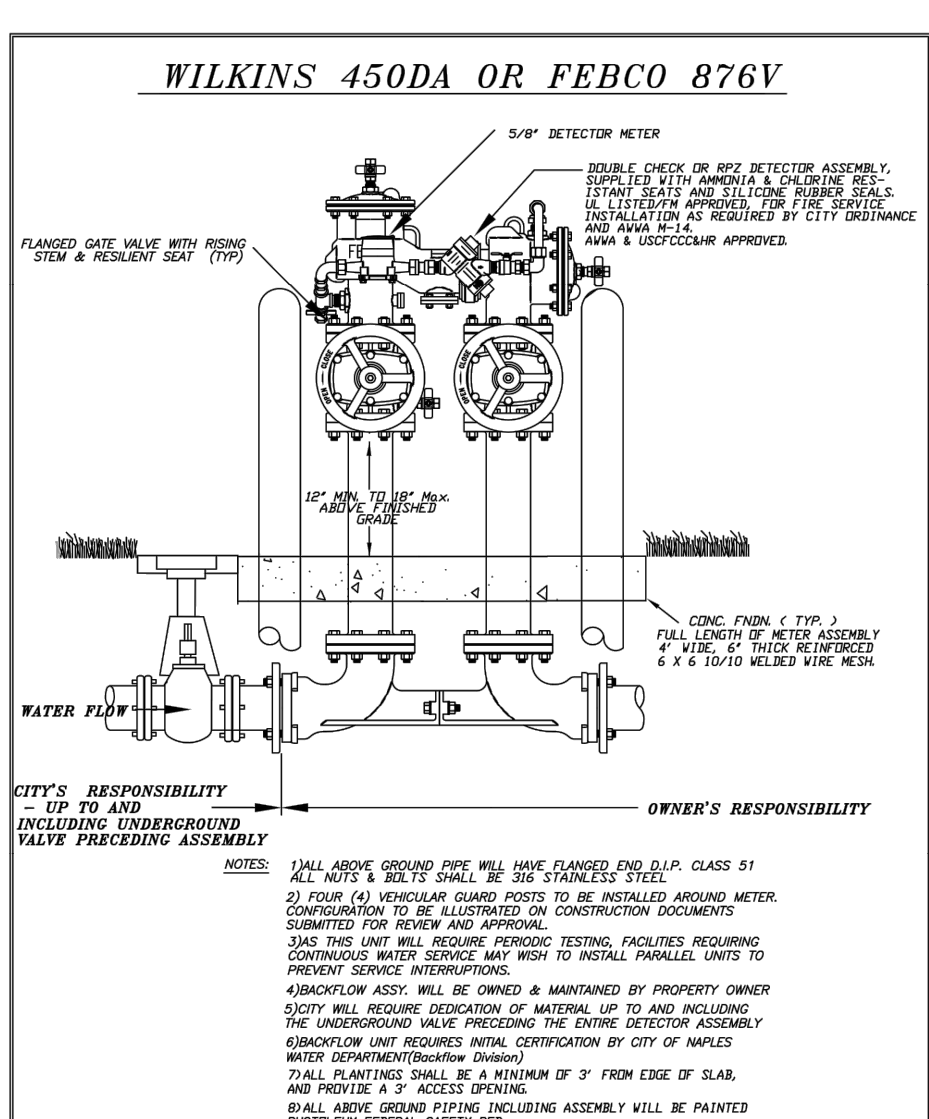
FOR:	UTILITIES DEPARTMENT	CITY OF NAPLES
DATE:	JAN. 2016	PIPE RESTRAINT SCHEDULE
DRAWN:	DAG/AMH	DIR: UTILITDS
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		DWG. U-09-16.DWG



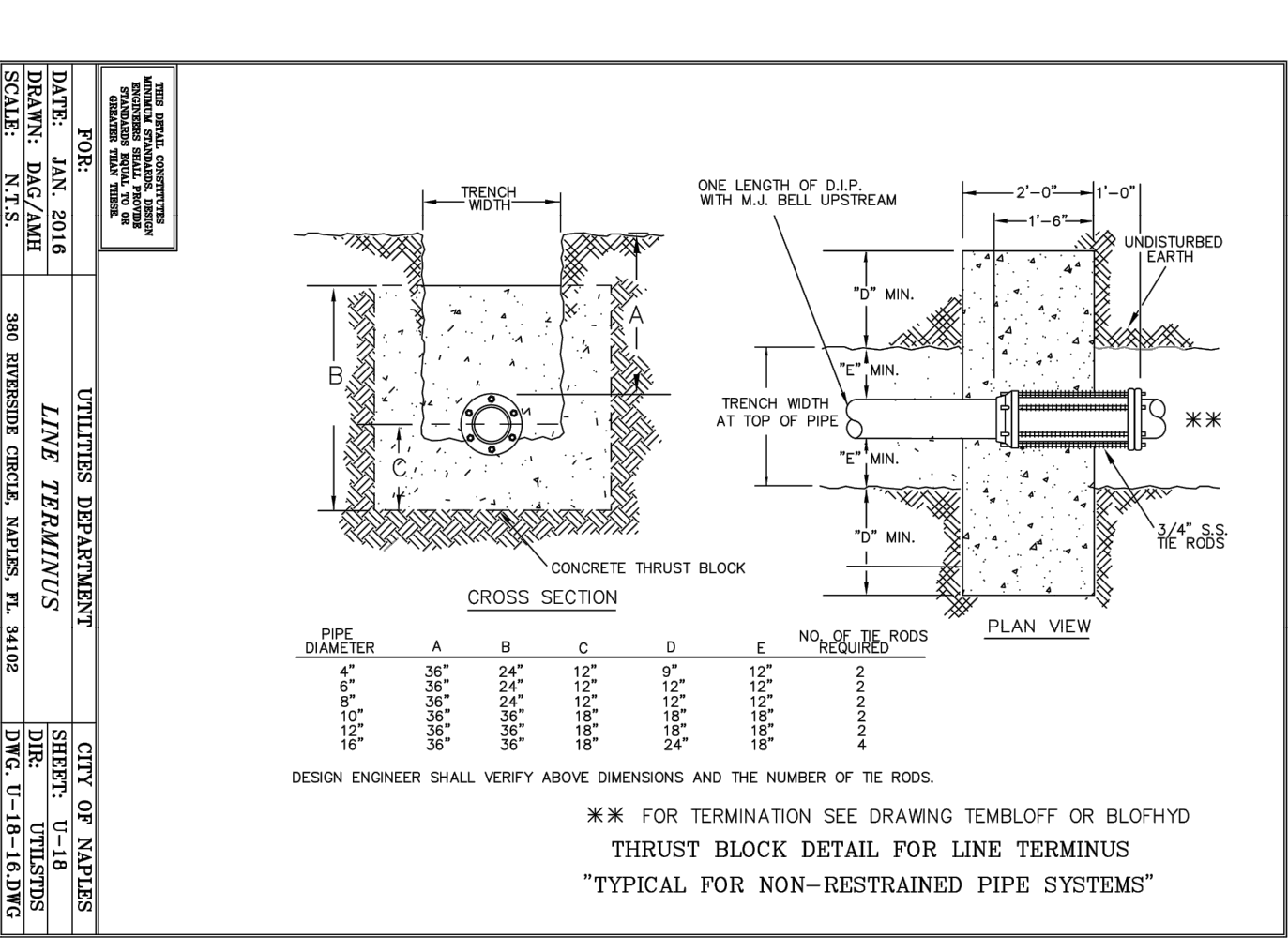
FOR:	UTILITIES DEPARTMENT	CITY OF NAPLES
DATE:	JAN. 2016	VALVE PAD DETAIL
DRAWN:	DAG/AMH	DIR: UTILITDS
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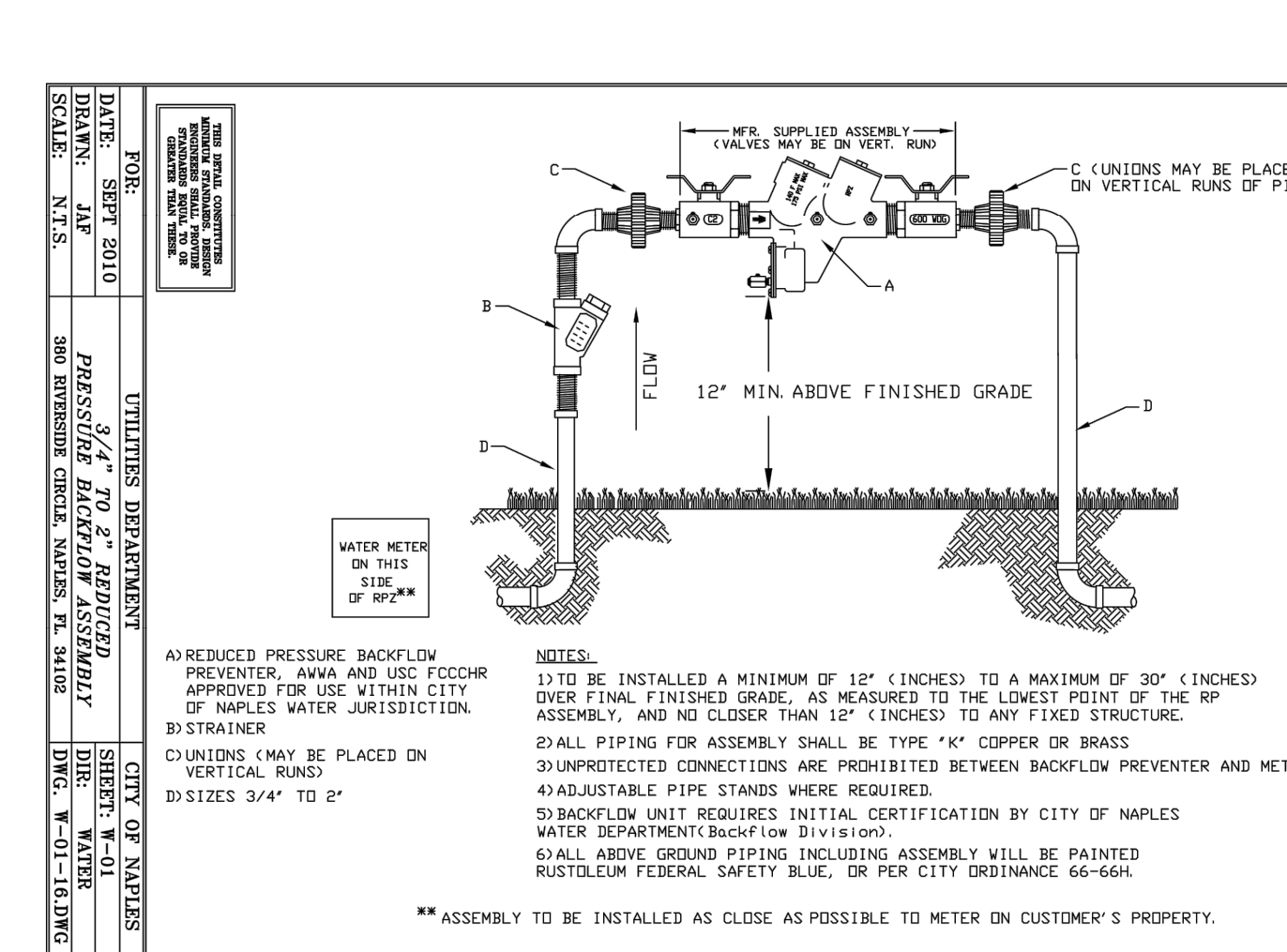
FOR:	UTILITIES DEPARTMENT	CITY OF NAPLES
DATE:	JAN. 2016	TEMPORARY WATER SERVICE - FIRE HYDRANT CONNECTION
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SCALE:	N.T.S.	380 RIVERSIDE CIRCLE, NAPLES, FL 34102
		DWG. W-07-16.DWG



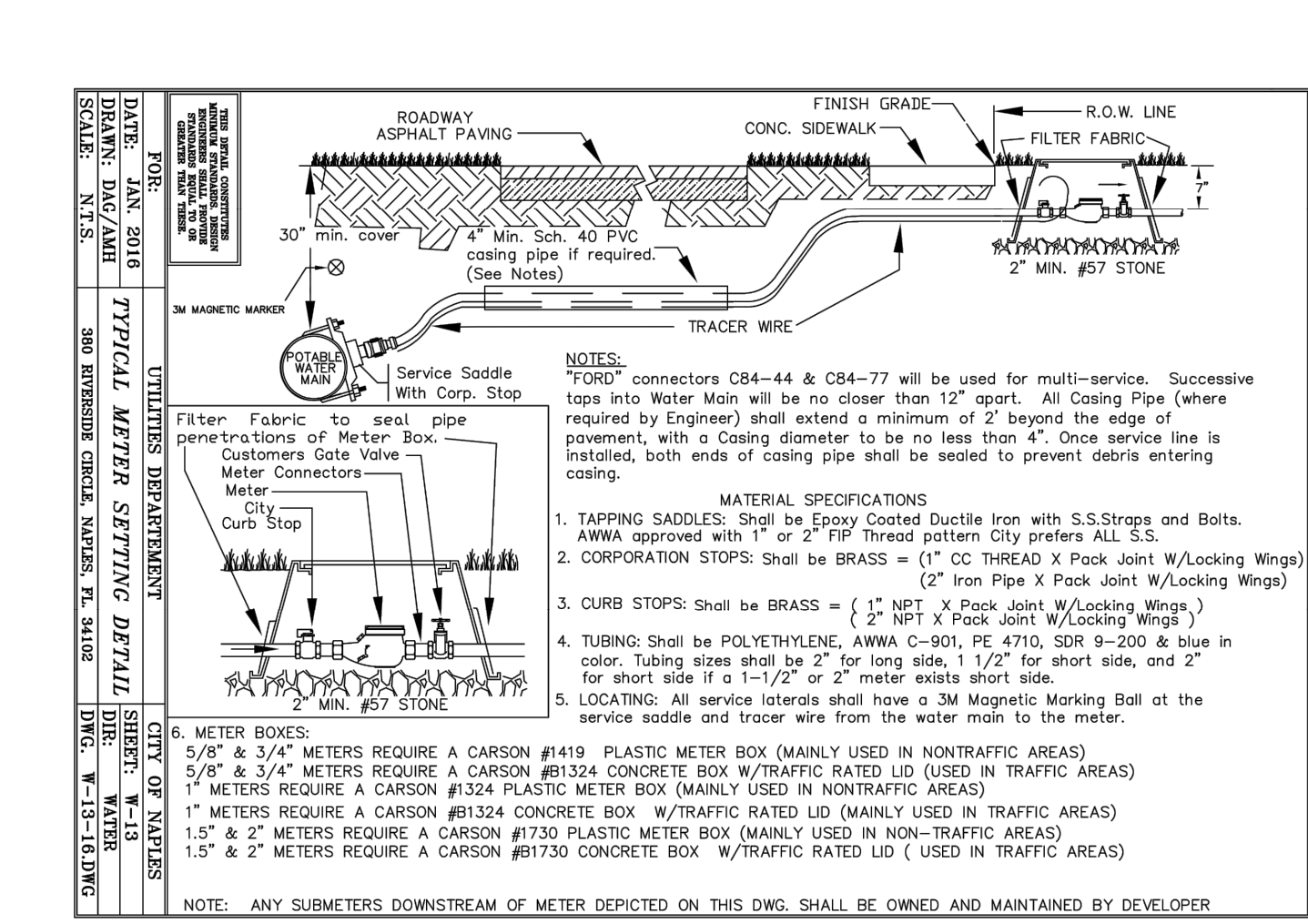
FOR:	UTILITIES DEPARTMENT	CITY OF NAPLES
DATE:	JAN. 2016	MASTER SERIES (ALT.) FIRE SYSTEM DETECTOR CHECK
DRAWN:	DAG/AMH	DIR: WATER
SCALE:	N.T.S.	380 RIVERSIDE CIRCLE, NAPLES, FL 34102
		DWG. W-19-16.DWG



FOR:	UTILITIES DEPARTMENT	CITY OF NAPLES
DATE:	JAN. 2016	THRUST BLOCK DETAIL FOR LINE TERMINUS
DRAWN:	DAG/AMH	DIR: UTILITDS
SCALE:	N.T.S.	380 RIVERSIDE CIRCLE, NAPLES, FL 34102
		DWG. U-18-16.DWG



FOR:	UTILITIES DEPARTMENT	CITY OF NAPLES
DATE:	JAN. 2016	TYPICAL METER SETTING DETAIL
DRAWN:	DAG/AMH	DIR: UTILITDS
SCALE:	N.T.S.	380 RIVERSIDE CIRCLE, NAPLES, FL 34102
		DWG. W-13-16.DWG



FOR:	UTILITIES DEPARTMENT	CITY OF NAPLES
DATE:	JAN. 2016	TYPICAL METER SETTING DETAIL
DRAWN:	DAG/AMH	DIR: UTILITDS
SCALE:	N.T.S.	380 RIVERSIDE CIRCLE, NAPLES, FL 34102
		DWG. W-13-16.DWG



Project/Client:	BSSW ARCHITECTS, INC. 949 CENTRAL AVE, NAPLES FL, 34102
Project/Client:	1ST AVE S. PUBLIC PARKING GARAGE
Project/Client:	9220 BONITA BEACH RD, NAPLES FL
Project No.:	215617573
File Name:	10.215617573.01-CU501
Scale:	N/A
DLP:	J.B.B.
C.E.B.:	JAN. 2023
Dwn.:	Dagn. Chkd. YYYY.MM.DD
Revision:	Sheet: of
Drawing No.:	CU501

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Permit/Seal

Client/Project

Project No.:

File Name:

Scale:

DLP:

C.E.B.:

Dwn.:

Dagn. Chkd. YYYY.MM.DD

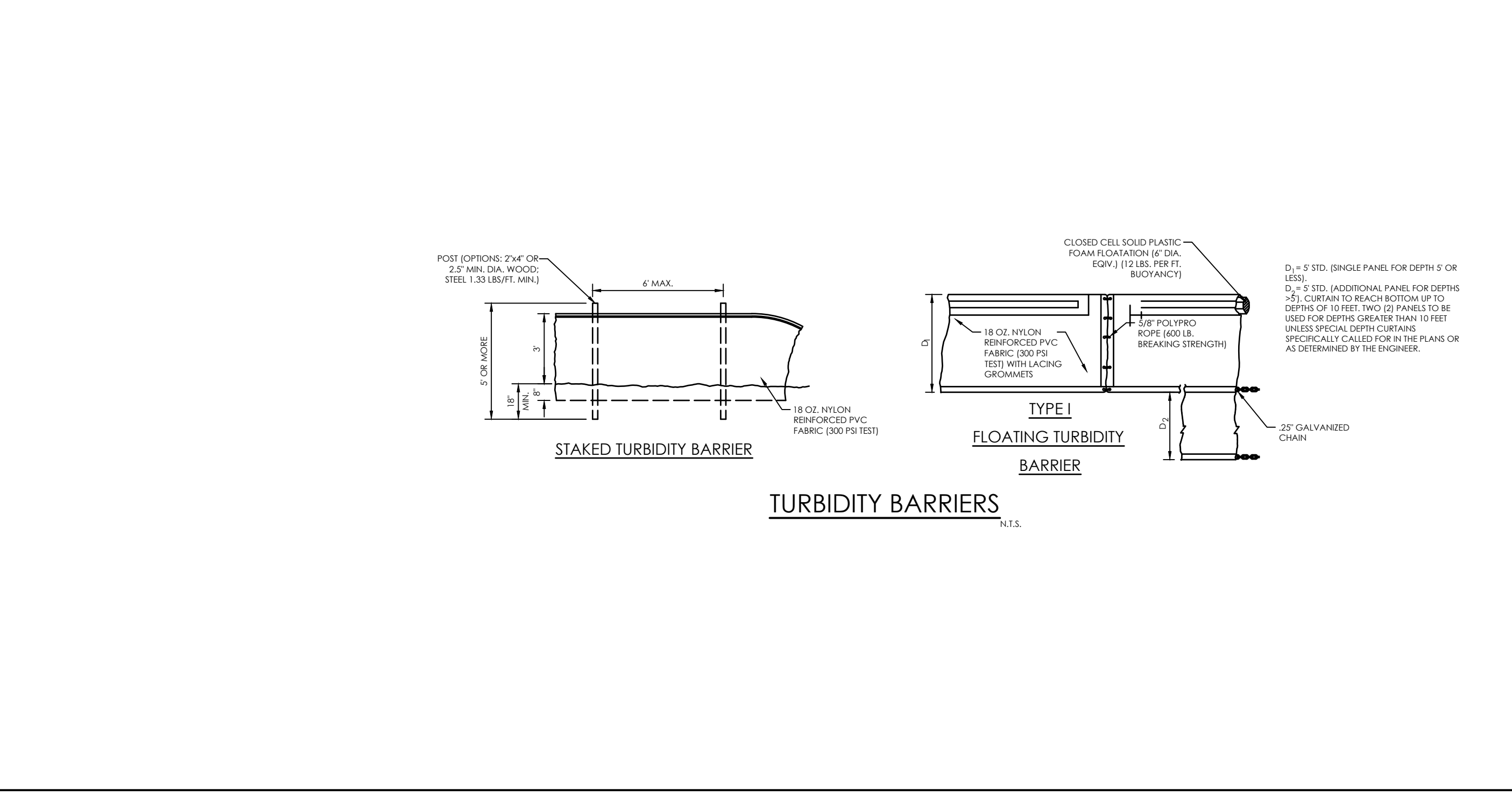
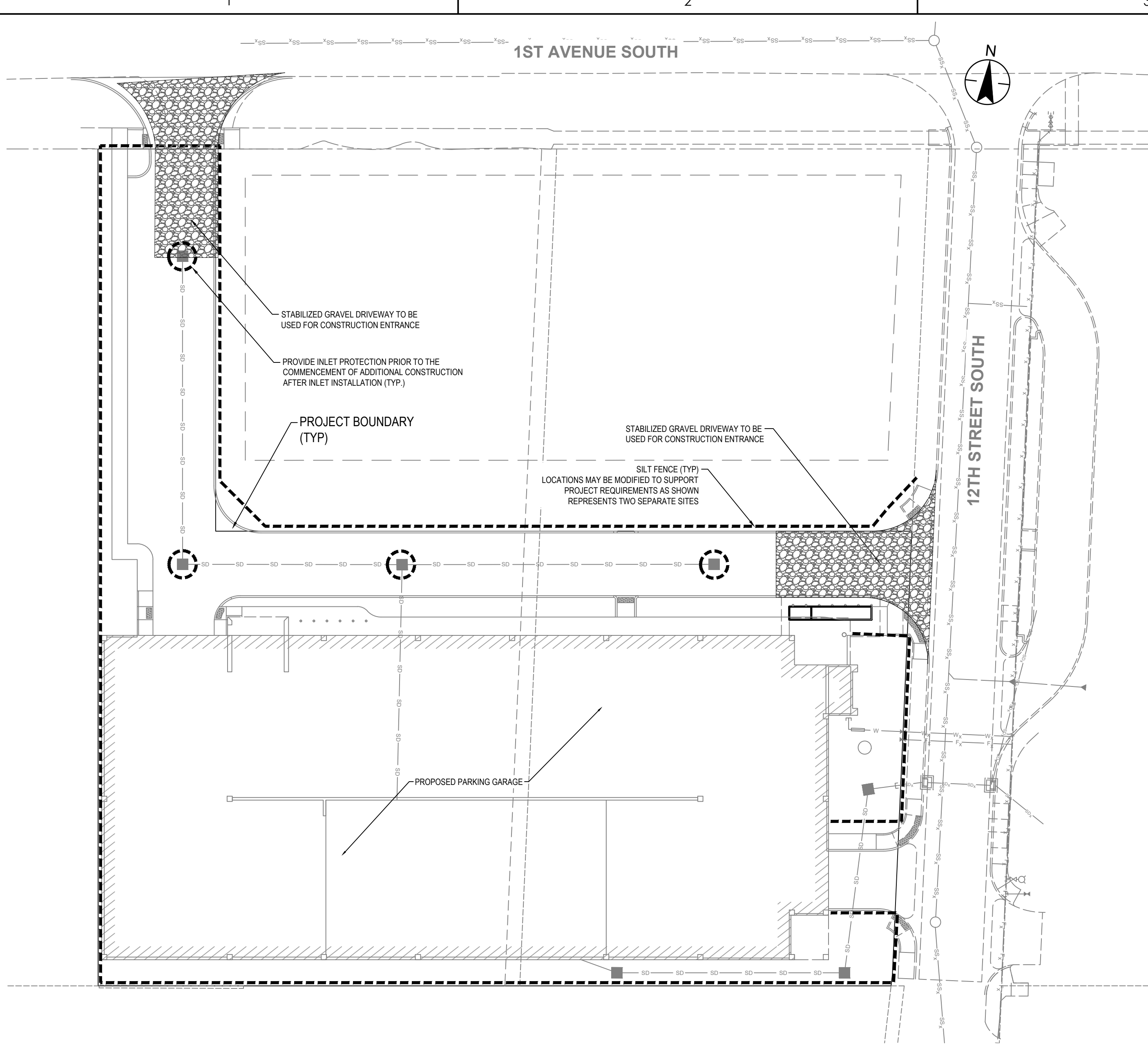
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Sheet: of

Drawing No.:

CU501

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SITE PLAN NOTES:

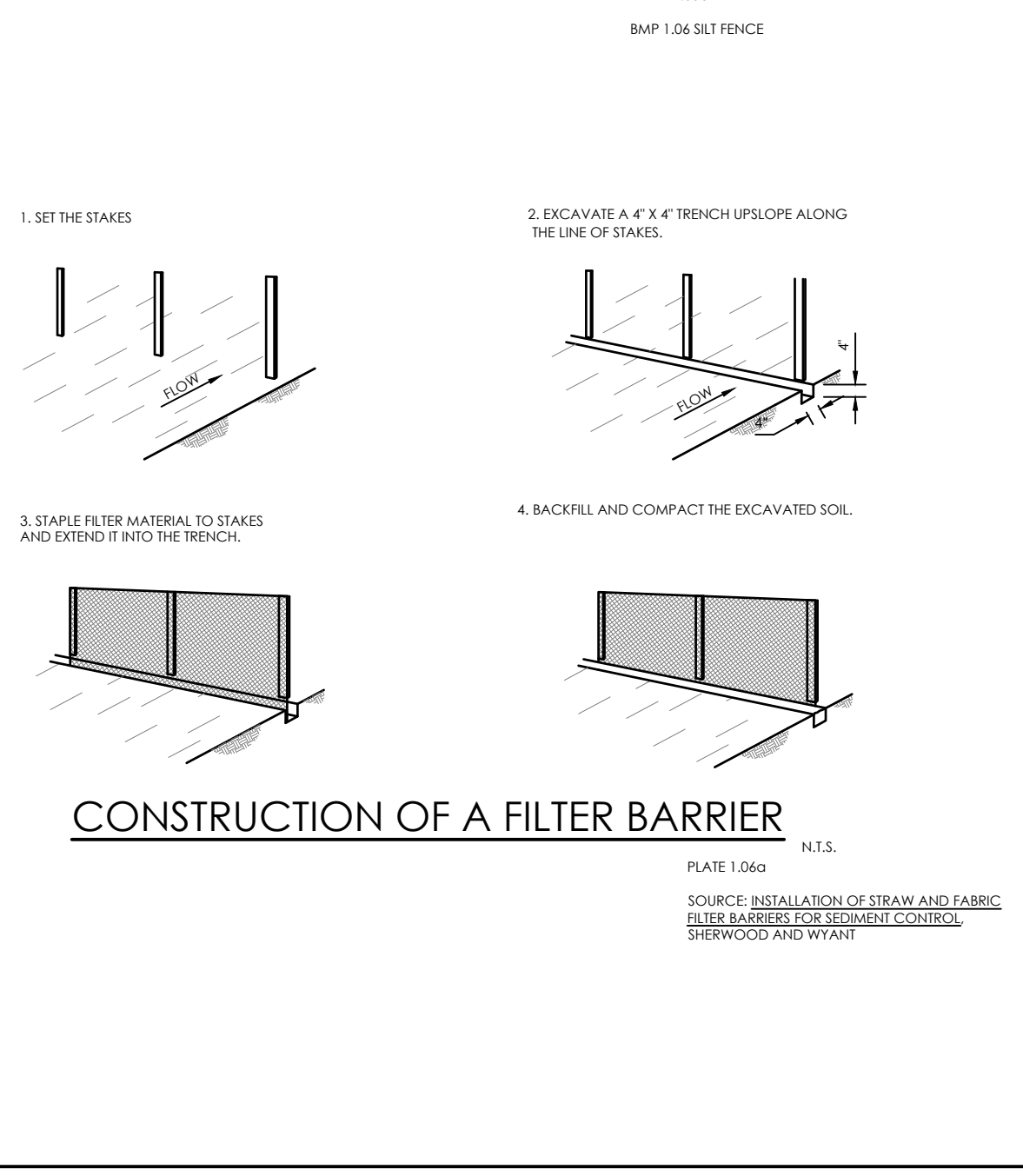
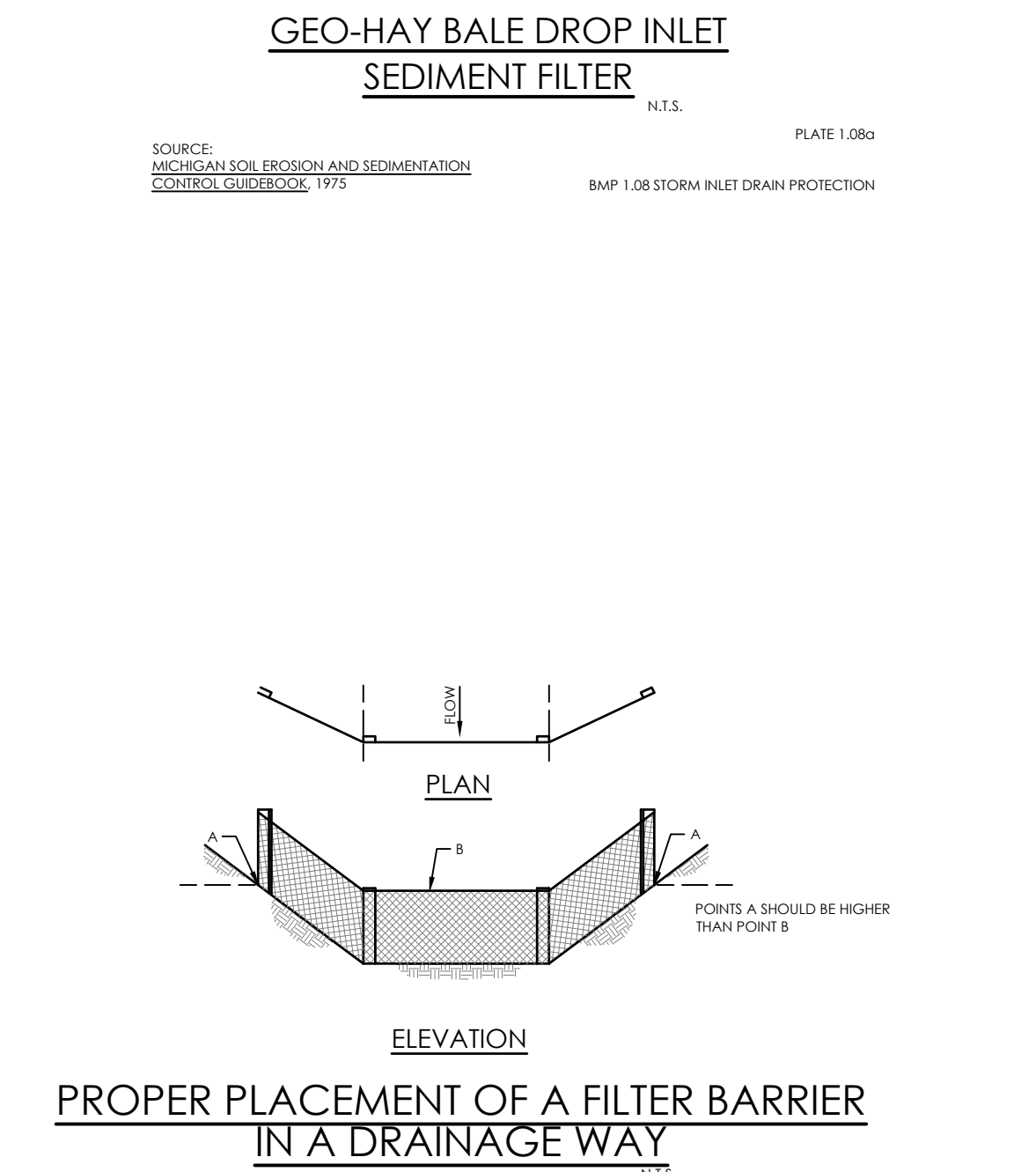
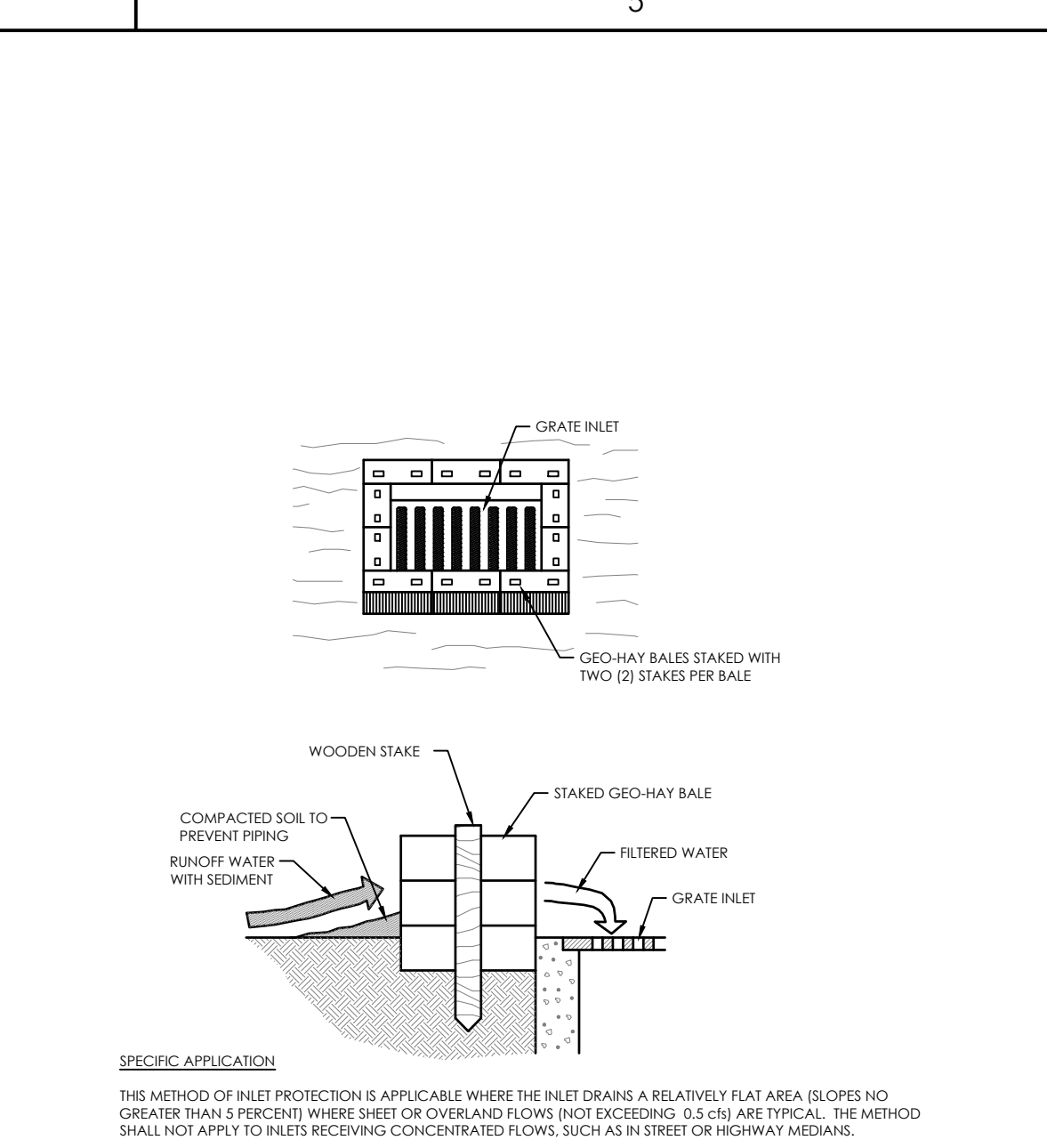
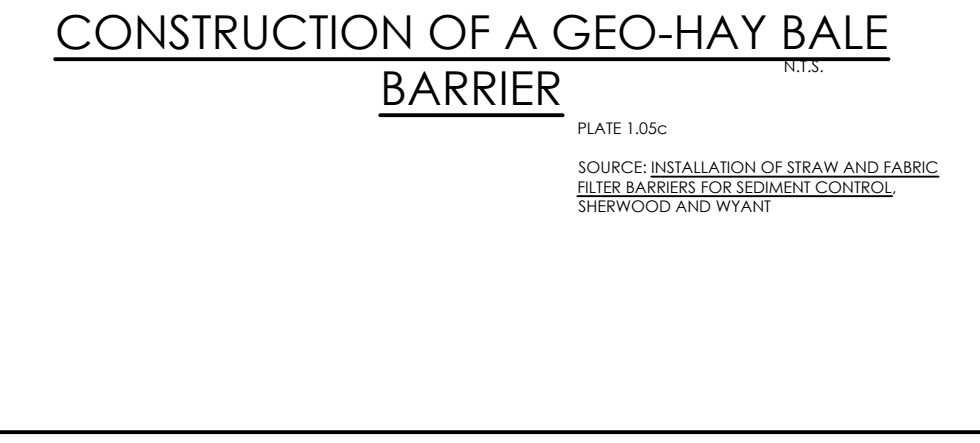
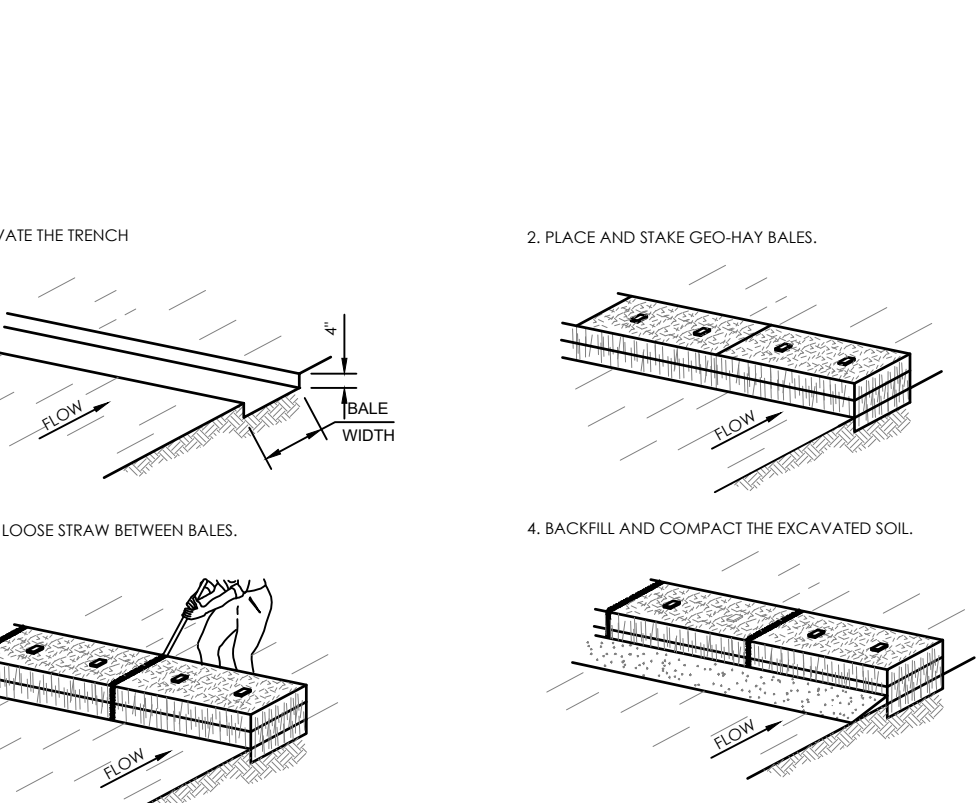
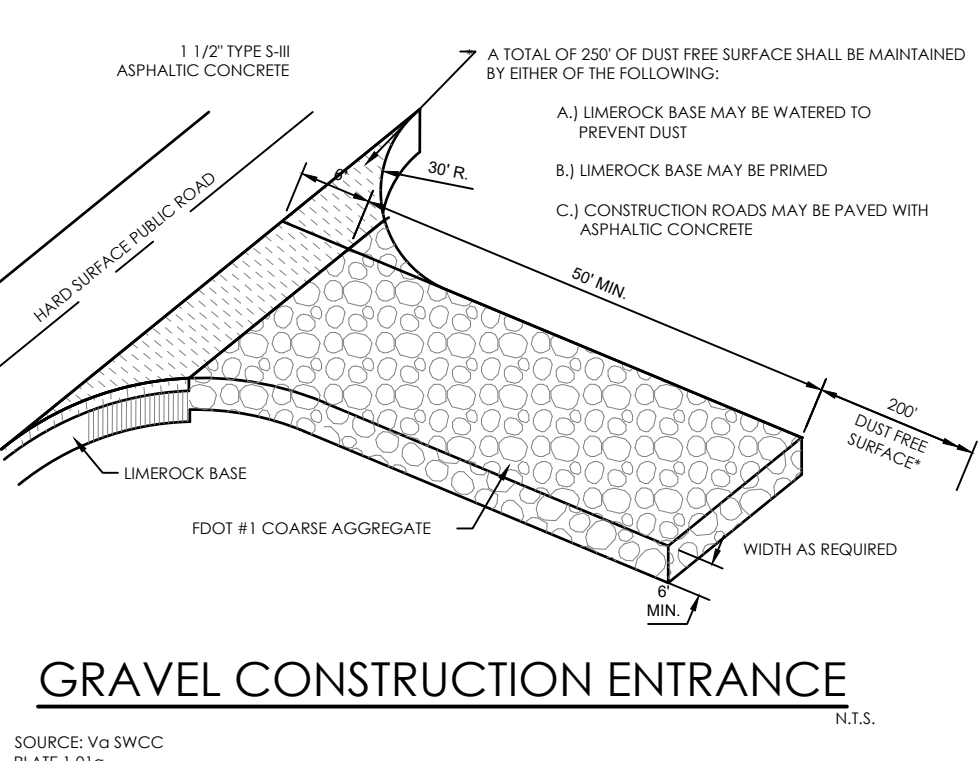
- 1.) THE PROJECT AREA IS MORE THAN 1 ACRE. THEREFORE THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT FROM THE DEPARTMENT OF ENVIRONMENTAL PROTECTION AGENCY (DEP), AS WELL AS RESPONSIBLE FOR CREATING, IMPLEMENTING AND MAINTAINING A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AS PER THE REQUIREMENTS OF THE NPDES GENERAL PERMIT.
- 2.) CONTRACTOR SHALL EMPLOY METHODS IN ACCORDANCE WITH "CONTROLS OR BEST MANAGEMENT PRACTICES (BMP)" AS REFERENCED WITHIN THE NPDES DISCHARGE CONTROL PLAN AND DETAILS OF THESE CONSTRUCTION DOCUMENTS AND IN ACCORDANCE WITH THE LATEST EDITION OF THE EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEW MANUAL PREPARED FOR THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) AND FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP).
- 3.) PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE APPLICANT SHALL INSTALL TEMPORARY CONSTRUCTION FENCING (SUCH AS SILT FENCE) BEYOND THE BOUNDARIES OF RETAINED VEGETATION ALONG THE LIMITS OF CLEARING. CONTRACTOR SHALL COORDINATE WITH THE CONSTRUCTION MANAGER AND PROPERTY OWNER FOR LIMITS OF RETAINED VEGETATION PRIOR TO THE BIDDING AND CONSTRUCTION PHASES OF THE PROJECT.
- 4.) TURBIDITY BARRIERS AND SILT FENCES AS SHOWN SHALL REMAIN ERECTED AND MAINTAINED UNTIL COMPLETION OF CONSTRUCTION.
- 5.) THE CONTRACTOR SHALL COVER WITH FILTER FABRIC (MIRAFI OR APPROVED EQUAL) OR PROVIDE SEDIMENT FILTERS FOR ALL PROPOSED AND EXISTING STORM WATER STRUCTURES WITHIN THE IMMEDIATE PROJECT AREA PRIOR TO THE START OF CONSTRUCTION.
- 6.) UPON COMPLETION OF CONSTRUCTION, ALL PROPOSED AND EXISTING STORM WATER STRUCTURES WITHIN THE IMMEDIATE PROJECT AREA, SHALL BE VACUUMED TO ENSURE THEY ARE FREE OF TRASH, DEBRIS AND SILT.
- 7.) THIS SITE PLAN DOES NOT PROVIDE THE LIMITS OF CONSTRUCTION BARRIER FENCING FOR THE PROJECT. ADDITIONALLY, THE PROJECT MAY REQUIRE OTHER TEMPORARY ACCESS AND CONTROL MEASURES, AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE CONSTRUCTION MANAGER AND PROPERTY OWNER FOR REQUIREMENTS PRIOR TO THE BIDDING PHASE OF THE PROJECT, AND IMPLEMENT AS CONTRACTED.

DISCHARGE CONTROL NOTES:

- 1.) PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITY APPROPRIATE EROSION CONTROL DEVICES SHALL BE INSTALLED TO CONTROL AND REDUCE SOIL EROSION AND SEDIMENT TRANSPORT TO OFF-SITE AREAS. THE CONTRACTOR SHALL MAINTAIN THESE DEVICES THROUGHOUT THE DURATION OF CONSTRUCTION. ALL DEVICES SHALL REMAIN IN PLACE UNTIL THE SURROUNDING AREAS ARE ESTABLISHED.
- 2.) THE FOLLOWING MINIMUM REQUIREMENTS ARE RECOMMENDED: (REFERENCE FLORIDA DEVELOPMENT MANUAL, FDM, P. 6-301 TO 6-350)
 - A) BMP 1.01 TEMPORARY GRAVEL CONSTRUCTION ENTRANCE
 - B) BMP 1.05 GEO-HAY BALE BARRIER
 - C) BMP 1.06 SILT FENCE
 - D) BMP 1.08 STORM INLET DRAIN PROTECTION
- 3.) THESE BEST MANAGEMENT PRACTICES (BMP) ARE TYPICAL OF REQUIREMENTS FOR SOIL EROSION CONTROL PER DIVISION 3.7 OF THE COLLIER COUNTY LAND DEVELOPMENT CODE. THEY MAY NOT CONSTITUTE COMPLETE REQUIREMENTS FOR COMPLIANCE WITH REGULATORY AGENCIES AND SPECIFIC PERMIT CONDITIONS.

NPDES REQUIREMENTS AND EROSION CONTROL NOTES:

- 1.) THE PROJECT AREA IS MORE THAN 1 ACRE. THEREFORE THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT FROM THE DEPARTMENT OF ENVIRONMENTAL PROTECTION AGENCY (DEP), AS WELL AS RESPONSIBLE FOR CREATING, IMPLEMENTING AND MAINTAINING A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AS PER THE REQUIREMENTS OF THE NPDES GENERAL PERMIT.
- 2.) CONTRACTOR SHALL EMPLOY METHODS IN ACCORDANCE WITH "CONTROLS OR BEST MANAGEMENT PRACTICES (BMP)" AS REFERENCED WITHIN THE NPDES DISCHARGE CONTROL PLAN AND DETAILS OF THESE CONSTRUCTION DOCUMENTS AND IN ACCORDANCE WITH THE LATEST EDITION OF THE EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEW MANUAL PREPARED FOR THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) AND FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP).
- 3.) PRIOR TO COMMENCEMENT OF GENERAL CONSTRUCTION ACTIVITY APPROPRIATE EROSION CONTROL DEVICES SHALL BE INSTALLED TO CONTROL AND REDUCE SOIL EROSION AND SEDIMENT TRANSPORT TO OFF-SITE AREAS. THE CONTRACTOR SHALL MAINTAIN THESE DEVICES THROUGHOUT THE DURATION OF CONSTRUCTION. ALL DEVICES SHALL REMAIN IN PLACE UNTIL THE SURROUNDING AREAS ARE ESTABLISHED.



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 Fort Myers, FL 33901-3436
 Tel: (239) 939-1020
 www.stantec.com

Revision	By	Date

Permit/Seal	By	Date

ISSUED

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Client/Project
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 949 CENTRAL AVE, NAPLES FL, 34102
 1ST AVE S. PUBLIC PARKING GARAGE
 9220 BONITA BEACH RD, NAPLES FL

Project No.: 215617573
 File Name: 11_215617573_01C-CE100

Scale: 1" = 30'

D.L.P.	J.B.B.	C.E.B.	JAN. 2023
Dwn.	Dgn.	Chkd.	YYYY.MM.DD

Title
EROSION CONTROL PLAN AND DETAILS

Revision: Sheet of
 Drawing No. **CE100**