



# BSSW ARCHITECTS, INC. Location

# 1ST AVENUE SOUTH. PUBLIC PARKING GARAGE

# PROJECT OWNER AND CONSULTANTS

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

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JAN.,2023

PROJECT NUMBER: 215617573

90% CONTRACT DOCUMENTS

I. A PRE-CONSTRUCTION MEETING SHALL TAKE PLACE WITH THE CITY OF NAPLES, CITY OF NAPLES AND COLLIER COUNTY IT-OF-WAY DEPARTMENTS, CONTRACTOR, APPROPRIATE SUB-CONTRACTORS, PROPERTY OWNER AND THEIR LOCAL

2. ALL MATERIALS AND CONSTRUCTION METHODS USED FOR THE PROPOSED IMPROVEMENTS SHALL CONFORM TO THE APPROVED CONSTRUCTION DOCUMENTS AND TECHNICAL SPECIFICATIONS PROVIDED BY THE CIVIL. MECHANICAL ELECTRICAL AND PLUMBING (MEP) ENGINEERS OF RECORD, LANDSCAPE ARCHITECT AND UTILITY PROVIDERS (INCLUDING FLORIDA POWER AND LIGHT (FPL), CENTURYLINK, COMCAST, ETC.), WHICHEVER IS MORE STRINGENT, AND ALL FEDERAL

CITY OF NAPI ES PUBLIC UTILITIES (CNPU). COLLIER COUNTY PUBLIC UTILITIES (CCPU), THE PROPERTY OWNER, FLORIDA POWER AND LIGHT (FPL), TECO GAS, CENTURYLINK AND COMCAST MAY HAVE EXISTING UTILITIES ADJACENT TO THIS PROPOSED CONSTRUCTION, CONTRACTOR SHALL CONTACT THE RESPECTIVE UTILITY COMPANIES AND THE PROPERTY IER TO LOCATE THEIR FACILITIES PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL COORDINATE WI 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

4. CONTRACTOR SHALL BE RESPONSIBLE IN COORDINATING WITH THE FOLLOWING PARTIES IN REGARD TO THE STRUCTION OF THE PROJECT

CITY OF NAPLES PUBLIC UTILITIES (CNPU) ROBERT MIDDLETON BATTALION CHIEF COREY ADAMSKI CITY OF NAPLES FIRE DEPARTMENT (CNFD) STANTEC CONSULTING SERVICES (SITE-CIVIL) PATRICK NOLL HARRIET ANDRONIKIDES H3 (ARCHITECTURE) (212) 677-6030 ARQUITECTONICAGEO (LANDSCAPE (305) 372-1812

ANDREW BOLTON

KELLY CLARK

JASON WILHITE

(239) 248-8714

(239) 263-621

UNLESS OTHERWISE DIRECTED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL PROVIDE 72 HOURS NOTICE TO OPERTY OWNER AND OWNERS REPRESENTATIVE PRIOR TO THE START OF CONSTRUCTION ACTIVITIES THAT WILL INTERRUPT THE DAY-TO-DAY OPERATIONS OF THE CURRENT FACILITY.

THE LOCATION OF EXISTING UTILITIES AND STORM SEWER SHOWN WITHIN THESE CONSTRUCTION DOCUMENTS HAVE BEEN PREPARED FROM AVAILABLE RECORD DRAWINGS AND SURVEY INFORMATION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATIONS (HORIZONTAL LOCATION AND VERTICAL ELEVATION) PRIOR TO

CONSTRUCTION, AND PROVIDE IN WRITING ANY DISCREPANCIES TO THE DESIGNER OR CIVIL ENGINEER OF RECORD CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO THE START OF CONSTRUCTION. ANY DEVIATION IN PLAN INFORMATION SHALL BE REPORTED TO CIVIL ENGINEER IMMEDIATELY.

8. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COPIES OF AND COMPLYING WITH ALL PERMITS AND PERMIT PLANS OBTAINED BY THE PROPERTY OWNER, AND POST ALL PERMITS AND PERMIT PLANS AT THE JOB SITE.

CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE CITY OF NAPLES LAND DEVELOPMENT CODE (LDC) AND CODES OF ORDINANCES

THESE CONSTRUCTION DOCUMENTS AND/OR SPECIFICATIONS 11. UNDERGROUND CONTRACTOR SHALL MINIMIZE THE WORK AREA AND WIDTH OF TRENCHES TO MINIMIZE IMPACT TO EXISTING HARDSCAPE AND LANDSCAPING. SOIL FROM TRENCHES SHALL BE PLACED ONLY ON PREVIOUSLY CLEARED AREAS OR AS DIRECTED BY THE OWNERS REPRESENTATIVE AND PROPERTY OWNER. CONTRACTOR SHALL NOT REMOVE AND/OR DISTURB ANY TREES AND/OR SHRUBS WITHOUT PRIOR APPROVAL BY THE OWNERS REPRESENTATIVE OR

12. CONTRACTOR SHALL REFERENCE CONSTRUCTION DOCUMENTS AND TECHNICAL SPECIFICATIONS FOR SHOP DRAWING REQUESTS, PARTICULARLY FOR FACILITIES REQUIRING SPECIAL DETAILS AND SPECIFICATIONS WHICH ARE TO BE PROVIDED BY A STRUCTURAL, MECHANICAL OR ELECTRICAL ENGINEER

13. CONTRACTOR SHALL PROVIDE 48 HOURS NOTICE TO OWNERS REPRESENTATIVE AND CIVIL ENGINEER PRIOR TO THE START OF CONSTRUCTION ACTIVITIES INCLUDING, AND NOT LIMITED TO, THE FOLLOWING

A. COMMENCEMENT B. CHANGES TO APPROVED SCHEDULES, SUBCONTRACTORS, OR RESIDENT SUPERINTENDENT (OWNERS REPRESENTATIVE AND PROPERTY OWNER ONLY)

C. GENERAL
1. DRAINAGE INSTALLATION 2. ROADWAY AND PARKING AREA STRINGLINE B. PAVING (INCLUDING SIDEWALK AND CURBING)

4. FINAL INSPECTIONS OTHERS AS MAY BE REQUIRED BY CITY OF NAPLES ENGINEERING SERVICES, OWNERS REPRESENTATIVE AND CIVIL

14. ANY PROPOSED PERMANENT STRUCTURES, PROPOSED ENTRY/SIGN FEATURES, WATER FEATURES, FENCES & GATES, MECHANICAL SECURITY GATE, SITE WALLS AND FLAG POLES MUST BE SHOWN ON THE STAMPED APPROVED CITY OF NAPLES PERMIT PLANS. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING, APPLYING AND OBTAINING SEPARATELY FOR THE APPROPRIATE BUILDING PERMITS, WHERE APPLICABLE, AS OUTLINED IN THE CITY OF NAPLES LAND DEVELOPMENT CODE (LDC), BUILDING CODE AND CODE OF ORDINANCES. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR PAYMENT OF ALL REQUIRED PERMIT APPLICATION FEES.

15. THE PROPERTY OWNER IS RESPONSIBLE FOR PERPETUAL MAINTENANCE OF ALL FEATURES OF THE SURFACE WATER ANAGEMENT SYSTEM AND PERIMETER BERMS AS OUTLINED BY THE CIVIL ENGINEER ON THE APPROVED PERMIT PLANS.

16. THE PROPERTY OWNER IS RESPONSIBLE FOR THE PERPETUAL MAINTENANCE OF ALL LANDSCAPE MATERIAL AND SUPPORTING IRRIGATION SYSTEM.

17. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THE DELIVERY OF ALL OPERATION AND MAINTENANCE MANUALS, AND IF REQUIRED PER THE CONTRACT DOCUMENTS, THE TRAINING OF OPERATION PERSONNEL. T CONTENT, FORMAT AND DELIVERY OF MANUALS SHALL BE CONDUCTED IN ACCORDANCE WITH THE CONTRACT AND CONSTRUCTION DOCUMENTS, AND TECHNICAL SPECIFICATIONS

18. THE APPROVAL OF THESE CONSTRUCTION PLANS DOES NOT AUTHORIZE CONSTRUCTION OF REQUIRED IMPROVEMENTS WHICH ARE INCONSISTENT WITH EASEMENT OF RECORD.

#### FIRE PROTECTION NOTES:

ALL EMERGENCY ACCESS ROADS. FIRE HYDRANTS. FIRE PROTECTION LINES. POST INDICATOR VALVES (PIVs) AND FIRE PEPARTMENT CONNECTIONS (FDCs), SHALL BE INSTALLED IN ACCORDANCE WITH 2015 FLORIDA FIRE PREVENTION COD (FFPC) 6TH EDITION. WHICH IS BASED ON NFPA 1 FIRE CODE. 2015 EDITION AND NFPA 101 LIFE SAFETY CODE. 2015 EDITION

ANY PROPOSED BACKFLOW PREVENTER ASSEMBLIES/DEVICES SHALL BE IN ACCORDANCE WITH 62-555,360, F.A.C., AND THE AWWA MANUAL M-14, PRACTICE FOR BACKFLOW PREVENTION AND CROSS-CONNECTION CONTROL

ANY PROPOSED FIRE HYDRANTS SHALL BE INSTALLED WITHIN 3-FEET OF THE CURB LINE OF A FIRE LANE, STREET, OR PRIVATE STREET WHEN INSTALLED ALONG SUCH ACCESS WAYS. 5. ALL FIRE HYDRANTS, POST INDICATOR VALVES (PIVs) AND FIRE DEPARTMENT CONNECTIONS (FDCs) SHALL NOT BE

S EXISTING ON-SITE FIRE PROTECTION AND WATER SLIPPLY SYSTEM (INCLLIDING FIRE HYDRANTS, FIRE DEPARTMENT CONNECTIONS (FDC)) SHALL SATISFY REQUIRED ON-SITE FIRE PROTECTION MEASURES THAT MUST BE OPERATIONAL PRIOR

TO PLACING COMBUSTIBLE BUILDING MATERIALS ON-SITE. 7 ALL PROPOSED FIRE PROTECTION LINES REQUIRE SEPARATE PERMITS PRIOR TO INSTALLATION.

8. ALL PROPOSED UNDERGROUND FIRE PROTECTION LINES AND FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH

ALL UNDERGROUND FIRE LINES SHALL BE INSTALLED BY AN APPROPRIATELY LICENSED AND CERTIFIED FIRE SPRINKLER CONTRACTOR OR A TYPE V UNDERGROUND CONTRACTOR AS DEFINED AND OUTLINED IN FLORIDA STATUTE 633.102(24).

10. ALL MECHANICAL/ELECTRONIC ENTRY GATES SHALL UTILIZE AN EMERGENCY VEHICLE ACCESS CONTROL (EVAC) SYSTEM OR OTHER ACCEPTABLE ACCESS CONTROL DEVICES APPROVED BY THE FIRE DEPARTMENT

. ALL PROPANE GAS (LPG) LINES REQUIRE SEPARATE PERMITS PRIOR TO INSTALLATION AND SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 58, 2014 EDITION.

12. PIPING USED FOR FIRE PROTECTION SERVICES (I.E. FOR FIRE HYDRANTS AND FIRE SPRINKLER LINES) THAT ARE LOCATED UNDER ROADWAYS OR DRIVEWAYS SHALL BE INSTALLED WITH 36-INCHES OF MINIMUM COVER.

#### **OWNERSHIP AND MAINTENANCE NOTES:**

THE POTABLE WATER AND WASTEWATER UTILITIES LOCATED IN THE RIGHT-OF-WAY OR EXISTING CITY OF NAPLES UTILITY EASEMENTS SHALL BE OWNED AND MAINTAINED BY THE CITY OF NAPLES. ANY PROPOSED CITY OF NAPLES PUBLIC UTILITY OR ABOVE-GROUND POTABLE WATER METER ASSEMBLY LOCATED OUTSIDE OF THE RIGHT-OF-WAY OR EXISTING CITY OF NAPLES UTILITY EASEMENT SHALL BE ENCOMPASSED WITH A NEW UTILITY EASEMENT. ANY NEW UTILITY EASEMENT WILL BE RECORDED BY SEPARATE INSTRUMENT DURING THE APPLICABLE UTILITY ACCEPTANCE PROCESS.

THE POTABLE WATER AND WASTEWATER UTILITIES WITHIN THE PROJECT BOUNDARY LIMITS (EXCLUDING THE ABOVE-GROUND POTABLE WATER METER ASSEMBLY) AND THAT SERVE THIS PROJECT SHALL BE OWNED AND

MAINTAINED BY GULFSHORE PLAYHOUSE, INC ITS SUCCESSORS AND ASSIGNS. ALL DEDICATED FIRE PROTECTION UTILITIES AND FACILITIES AND FIRE HYDRANTS SHALL BE OWNED AND MAINTAINED BY GULFSHORE PLAYHOUSE, INC, ITS SUCCESSORS AND ASSIGNS.

4. ALL TECO GAS UTILITIES AND FACILITIES UP TO THE METER SHALL BE OWNED AND MAINTAINED BY THE UTILITY PROVIDER UNLESS THE PROPERTY OWNER'S SERVICE AGREEMENT STATES OTHERWISI ALL ELECTRICAL, CABLE AND PHONE UTILITIES AND FACILITIES ENCOMPASSED BY PUBLIC UTILITY EASEMENT SHALL BE OWNED AND MAINTAINED BY THE RESPECTIVE UTILITY PROVIDER, UNLESS THE PROPERTY OWNER'S SERVICE

ALL OTHER INFRASTRUCTURE, INCLUDING AND NOT LIMITED TO, IRRIGATION, NATURAL OR PROPANE GAS, TELECOMMUNICATIONS, STREET AND SITE LIGHTING, PRIVATE STREETS, LANDSCAPING, AMENITIES, COMMON AREAS ETC. THAT SERVE THIS PROJECT SHALL BE OWNED AND MAINTAINED BY GULFSHORE PLAYHOUSE, INC, ITS SUCCESSORS

STORM WATER MANAGEMENT SYSTEM INFRASTRUCTURE LOCATED WITHIN 12 STREET SOUTH SHALL BE OWNED AND MAINTAINED BY NAPLES SQUARE ITS SUCCESSORS AND ASSIGNS.

8. THE STORM WATER MANAGEMENT SYSTEM FOR THE PROJECT SHALL BE OWNED AND MAINTAINED BY GULFSHORE PLAYHOUSE, INC, ITS SUCCESSORS AND ASSIGNS

. ALL EXISTING DRAINAGE FACILITIES LOCATED WITHIN THE CITY OF NAPLES DRAINAGE EASEMENT SHALL BE OWNED AND MAINTAINED BY THE CITY OF NAPLES. GULFSHORE PLAYHOUSE, INC, ITS SUCCESSORS AND ASSIGNS. SHALL BE RESPONSIBLE FOR THE REPAIR AND/OR REPLACEMENT OR ANY STRUCTURE, UTILITY, DRAINAGE FACILITY, LIGHTING OR LANDSCAPING THAT IS PROPOSED UNDER THIS APPLICATION OR FUTURE APPLICATION THAT MAY BE DAMAGED DURING THE MAINTENANCE, REPAIR OR REPLACEMENT OF ANY CITY OF NAPLES DRAINAGE FACILITY WITHIN SAID EASEMENT.

#### SOLID WASTE AND RECYCLABLE MATERIAL COLLECTION NOTES:

SOLID WASTE AND RECYCLABLE MATERIALS SHALL BE COLLECTED AND STORED WITHIN THE APPLICABLE DUMPSTER BINS PRIOR TO SCHEDULED PICK-UP DAYS BY THE CITY OF NAPLES PUBLIC UTILITIES

2. IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER TO COORDINATE WITH CITY OF NAPLES PUBLIC SERVICES ON THE DESIRED SOLID WASTE COLLECTION PROGRAM AND FREQUENCY SCHEDULE.

## SITE RESTORATION NOTES:

ALL DISTURBED AND PROPOSED OPEN SPACE AND LANDSCAPE AREAS SHALL BE COVERED WITH A SUITABLE GROUND COVER IF APPLICABLE, REFERENCE LANDSCAPE ARCHITECT'S PLANS FOR DESIGN, DETAILS AND SPECIFICATIONS.

CTOR 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 G CONSTRUCTION TO EXISTING CONDITIONS OR BETTER UNLESS OTHERWISE SPECIFIED, AND ALL ASSOCIATED COSTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND INCLUDED IN THEIR CONTRACTOR'S BID PROPOSAL.

UTILITY NOTES:

1. A PRE-CONSTRUCTION MEETING SHALL TAKE PLACE WITH CITY OF NAPLES PUBLIC UTILITIES (CNPU), CITY OF NAPLES FIRE DEPARTMENT (CNFD). CONTRACTOR, APPROPRIATE SUB-CONTRACTORS, PROPERTY OWNER AND THEIR LOCAL REPRESENTATIVE/AGENT (OWNERS REPRESENTATIVE) PRIOR TO THE START OF CONSTRUCTION.

ALL MATERIALS AND CONSTRUCTION METHODS USED FOR THE PROPOSED IMPROVEMENTS SHALL CONFORM TO THE APPROVED CONSTRUCTION DOCUMENTS AND TECHNICAL SPECIFICATIONS PROVIDED BY THE CIVIL, MECHANICAL, ELECTRICAL AND PLUMBING (MEP) ENGINEERS OF RECORD, LANDSCAPE ARCHITECT AND UTILITY PROVIDERS (INCLUDING FLORIDA POWER AND LIGHT (FPL), TECO GAS, AMERIGAS, CENTURYLINK, COMCAST, ETC.), WHICHEVER IS MORE STRINGENT, AND ALL FEDERAL, STATE AND LOCAL REGULATIONS

CONTRACTOR SHALL REFERENCE THE CITY OF NAPLES LITH ITIES SPECIFICATIONS AND STANDARDS MANUAL (LATEST APPROVED EDITION) FOR DETAILS AND SPECIFICATIONS FOR CONSTRUCTION OF ALL PROPOSED POTABLE WATER, SANITARY SEWER AND FIRE UTILITIES.

SPECIFICATIONS SHALL INCLUDE, AND NOT BE LIMITED TO, THE FOLLOWING:

NOTIFICATIONS CONNECTION TO CITY OF NAPLES FACILITIES COVER FROM FINISHED GRADE

HDPE AND PVC PIPE COLOR-CODING FUSIBLE PVC PIPE PIPE AND FITTING MATERIALS

M. PIPE LOCATE MATERIALS

COMMENCEMENT

SEPARATION CRITERIA CONFLICT CROSSINGS COMPACTION AND BACKFILL MATERIAL RESTORATION

APPROVED METER DEVICES AND BACKFLOW ASSEMBLIES APPURTENANCES, I.E., FIRE HYDRANTS, VALVES, AIR RELEASE VALVES, CONCRETE COLLARS, ETC. ROADWAY CROSSINGS BY OPEN CUT

JACK-AND-BORE AND HORIZONTAL DRILLING METHODS

TESTING AND CLEARANCE PROCEDURES

X. LABORATORY TESTING AND SAMPLE COLLECTION APPROVED FITTINGS SHALL BE USED TO MAINTAIN PLAN ALIGNMENT OF PROPOSED POTABLE WATER, FIRE, AND WASTEWATER MAINS. DEVIATION FROM PLAN ALIGNMENT SHALL BE NOT MORE THAN ±12-INCHES FROM PLAN CENTERLINE OF

MAIN. CONTRACTOR SHALL PREPARE RECORD DRAWINGS OF ALL FITTING CONTRACTOR TO ENSURE MINIMUM AND MAXIMUM COVERS OF ALL PROPOSED MAINS, REGARDLESS OF EXISTING GRADE.

CONTRACTOR SHALL CONSTRUCT ALL PROPOSED POTABLE WATER, FIRE AND WASTEWATER APPURTENANCES INCLUDING METER BOXES, BLOW-OFFS, VALVE BOXES, AIR RELEASE VALVES, FIRE HYDRANTS, ETC. TO FINISHED GRADE. CONTRACTOR SHALL COORDINATE DURING THE CONSTRUCTION STAKEOUT AND PRIOR TO THE START OF CONSTRUCTION OF SAID

CONTRACTOR'S RESPONSIBILITY TO ENSURE CONSTRUCTION OF SAID APPURTENANCES ARE SET TO FINISHED GRADE.

APPURTENANCES WITH OWNERS REPRESENTATIVE AND CIVIL ENGINEER REGARDING FINISHED GRADE. IT IS TH

CONTRACTOR SHALL NOTIFY THE CITY OF NAPLES PUBLIC UTILITIES (CNPU), CITY OF NAPLES ENGINEERING SERVICES, CITY OF NAPLES FIRE DEPARTMENT (CNFD). AND CIVIL ENGINEER BY PROVIDING 72 HOURS NOTICE PRIOR TO THE START OF CONSTRUCTION ACTIVITIES IDENTIFIED IN THE CITY OF NAPLES UTILITIES SPECIFICATIONS AND STANDARDS MANUAL (LATEST APPROVED EDITION). CONSTRUCTION ACTIVITIES SHALL INCLUDE, AND NOT BE LIMITED TO, THE FOLLOWING:

CONNECTION TO CITY FACILITIES HOT-TAPS (TO BE PERFORMED BY CITY OF NAPLES PUBLIC UTILITIES (CNPU)) CORE-BORE TO EXISTING MANHOLES

ROADWAY CROSSINGS BY OPEN CU ROADWAY CROSSINGS BY JACK-AND-BORE OR HORIZONTAL DRILL . BACKFLOW TESTING AND CERTIFICATION

INSTALLATION OF HIGH-STRENGTH BIAXIAL GEOTEXTILE INSTALLATION OF LIMEROCK SUB-BASE OVER PROPOSED GRAVITY SANITARY SEWER LINES

ALL TESTING SERVICES, I.E. PRESSURE, FIRE FLOW, INFILTRATION/EXFILTRATION, LAMPING, TELEVISION. JSHING, DISINFECTION, BACTERIOLOGICAL, ETC. C. PRELIMINARY AND FINAL INSPECTIONS

AFTER THE CONCRETE HAS PROPERLY CURED.

THER REQUIREMENTS AS SPECIFIED, SUCH AS GEOTECHNICAL AND STRUCTURAL ACTIVITIES M. OTHERS AS MAY BE REQUIRED BY PROPERTY OWNER, CITY OF NAPLES ENGINEERING SERVICES AND CIVIL ENGINEER

POTABLE WATER AND WASTEWATER CASINGS SHALL BE PVC SCHEDULE 40. CASINGS SHALL BE A MINIMUM OF 4-INCHES IN DIAMETER AND BE SET A MINIMUM OF 36-INCHES BELOW FINISHED GRADE

9. CONDUITS UNDER ROADWAYS (FOR FPL. CENTURYLINK, COMCAST, PROPERTY OWNER, ETC.) SHALL BE A MINIMUM OF

10. CONDUITS AND CASINGS SHALL EXTEND 5-FEET BEYOND THE EDGE-OF-PAVEMENT, BACK-OF-CURB OR BACK-OF-SIDEWALK AT

11. ALL HORIZONTAL AND VERTICAL CLEARANCES BETWEEN WATER, WASTEWATER, IRRIGATION, AND STORMWATER UTILITIES SHALL BE IN ACCORDANCE WITH THE CITY OF NAPLES UTILITIES SPECIFICATIONS AND STANDARDS MANUAL (LATEST APPROVED EDITION) FOR DETAILS AND SPECIFICATIONS, OR FDEP REQUIREMENTS, WHICHEVER IS MORE STRINGENT.

12. CITY OF NAPLES SEPARATION CRITERIA: POTABLE WATER PIPELINES SHALL BE SEPARATED FROM WASTEWATER LINES AND /OR STORMWATER LINES BY A MINIMUM CLEAR VERTICAL DISTANCE OF EIGHTEEN INCHES (18") AND A HORIZONTAL DISTANCE OF TEN FEET (10') IN ACCORDANCE WITH F.A.C. 62-555.314(5). THE EIGHTEEN INCHES (18") MINIMUM VERTICAL SEPARATION DISTANCE DOES NOT APPLY TO SEPARATIONS OF SEWER LATERALS AND POTABLE WATER PIPELINE INSTALLATIONS. 57 STONE SHALL BE ITILIZED FOR SEPARATION BETWEEN WASTEWATER LINES AND STORMWATER LINES. NON-POTABLE IRRIGATION WATER PIPELINES 2" AND LARGER SHALL BE SEPARATED FROM POTABLE WATER MAINS, WASTEWATER LINES AND/OR STORMWATER LINES BY A MINIMUM CLEAR VERTICAL DISTANCE OF EIGHTEEN INCHES (18") AND A HORIZONTAL DISTANCE OF FIVE FEET (5') AS SHOWN IN THE UTILITIES DETAIL DRAWINGS. WASTEWATER LINES SHALL BE SEPARATED FROM STORMWATER LINES BY A MINIMUM CLEAR VERTICAL DISTANCE OF EIGHTEEN INCHES (18") AND A HORIZONTAL DISTANCE OF FIVE FEET (5'). WATER MAINS SHALL PREFERABLY PASS ABOVE STORM LINES, WITH AN 18" MINIMUM CLEARANCE, IN WHICH CASE WATER MAIN SHALL BE DR-14 PVC PIPE, EXTENDED A MINIMUM OF 10' EITHER SIDE OF STORM LINE CENTER, OR 15' EACH SIDE OF STORM DRAINAGE STRUCTURE CENTER. ANY WATER MAIN THAT MUST GO UNDER A STORM LINE HALL BE DUCTILE IRON PIPE CLASS 52 PIPE, EXTENDED A MINIMUM OF 10' TO EACH SIDE OF STORM LINE CENTER, OR 15' O EACH SIDE OF A STORM DRAINAGE STRUCTURE CENTER. ALL PIPELINE CROSSINGS WITH VERTICAL CLEARANCE LESS THAN EIGHTEEN INCHES (18") SHALL BE MADE USING A FULL 20-FOOT (20") LENGTH OF THICKNESS CLASS 305 AWWA C900 PVC PIPE, CLASS 235 AWWA C905 PVC PIPE, OR, IF NECESSARY, PRESSURE CLASS 250 DUCTILE IRON PIPE CENTERED ON THE CROSSING. THE SEWER PIPE IN THESE LOCATIONS SHALL BE BACK-FILLED WITH BEDDING STONE OR SAND TO A HEIGHT SIX INCHES (6") ABOVE THE CROWN OF THE PIPE. WHEN THIS STANDARD CANNOT BE MAINTAINED, THE SEWER LINE SHALL BE CONCRETE ENCASED FOR A DISTANCE OF TEN FEET (10') EACH WAY FROM THE WATER LINE AND AN' THER CONDUIT, WITH A MINIMUM VERTICAL CLEARANCE OF TWELVE INCHES (12") BEING PROVIDED AT ALL TIMES. IF A WATER LINE IS UNDER A WASTEWATER LINE. AN EIGHTEEN INCH (18") MINIMUM SEPARATION MUST BE KEPT (SEE CITY O APLES PUBLIC UTILITY CROSS OVER DETAILS). ALL PIPELINES SHALL BE SUCCESSFULLY PRESSURE TESTED TO 150 PSI

8. CONTRACTOR SHALL ALSO REFERENCE SEPARATION REQUIREMENTS IN SECTION 01045,1.3.F (CITY DAMAGE PREVENTION POLICY - SEPARATION DISTANCE FROM EXISTING CITY UTILITIES). SECTION 02650, 3.2.P (SEPARATION FROM OTHER PIPE STEMS), AND DETAIL DRAWINGS. IF THESE SEPARATION CRITERIA CANNOT BE MET, USE FDEP 62-555.314.

C. POTABLE WATER, NON-POTABLE IRRIGATION WATER, AND WASTEWATER PIPELINES SHALL BE SEPARATED FROM ELEPHONE, POWER, CABLE AND GAS SLEEVES/LINES AND ANY OTHER UNDERGROUND UTILITIES BY A MINIMUM CLEAR ERTICAL DISTANCE OF EIGHTEEN INCHES (18") AND HORIZONTAL DISTANCE OF FIVE FEET (5'

D. POTABLE WATER, NON-POTABLE IRRIGATION WATER, AND WASTEWATER LINES SHALL BE SEPARATED FROM RAW WATER MAINS BY A CLEAR VERTICAL DISTANCE OF EIGHTEEN INCHES (18") AND A HORIZONTAL DISTANCE OF TEN FEET (10"). ORMWATER LINES SHALL BE SEPARATED FROM RAW WATER MAINS BY A CLEAR VERTICAL DISTANCE OF EIGHTEEI INCHES (18") AND A HORIZONTAL DISTANCE OF FIVE FEET (5")

E. WASTEWATER LINES SHALL BE SEPARATED FROM PUBLIC DRINKING WATER SUPPLY WELLS BY A HORIZONTAL DISTANCE OF 100 FEET. WASTEWATER LINES SHALL BE SEPARATED FROM PRIVATE DRINKING WATER SUPPLY WELLS BY A HORIZONTAL DISTANCE OF 75 FEET. CITY APPROVAL WILL BE REQUIRED IF THE SEPARATION DISTANCE CANNOT BE

F. STORMWATER RETENTION/DETENTION PONDS WITH A BOTTOM ELEVATION LOWER THAN THE WET WEATHER SEASON WATER TABLE SHALL BE LOCATED A MINIMUM OF 300' AWAY FROM RAW WATER WELLS

G. THE ENCASEMENT OF POTABLE WATER MAINS IN CONCRETE SHALL ONLY BE MADE AFTER REVIEW AND APPROVAL BY THE 13. ALL POTABLE WATER MAINS, WASTEWATER, STORMWATER, AND NON-POTABLE IRRIGATION MAINS SHALL BE IN SEPARATE

14. HORIZONTAL AND VERTICAL DEFLECTION OF THE PRESSURE MAINS SHALL NOT EXCEED THE PIPE MANUFACTURER'S

15. ALL BACKFLOW PREVENTER ASSEMBLIES/DEVICES SHALL BE IN ACCORDANCE WITH 62-555.360, F.A.C., AND THE AWWA MANUAL M-14, PRACTICE FOR BACKFLOW PREVENTION AND CROSS-CONNECTION CONTROL. 16. THE ABOVE-GROUND POTABLE WATER AND FIRE BACKFLOW PREVENTER/METER ASSEMBLIES LOCATED AT THE PROPERTY

OF NAPLES UTILITIES SPECIFICATIONS AND STANDARDS MANUAL (LATEST APPROVED EDITION) 17. ALL PROPOSED WATER SERVICE LINES SHALL BE IN ACCORDANCE WITH ASTM D-1785-96B. UNLESS OTHERWISE NOTED. 18. ALL PROPOSED POTABLE WATER MAINS 3 INCHES OR SMALLER SHALL MEET THE REQUIREMENTS OF ASTM D-2241 OR D-1785,

BOUNDARY LINE HAS BEEN SIZED BY THE CIVIL ENGINEER OF RECORD AND APPROVED BY CITY OF NAPLES PUBLIC UTILITIES

DEPARTMENT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL THE ASSEMBLY IN ACCORDANCE THE CITY

LATEST REVISION. 19. ALL PROPOSED POTABLE WATER MAINS OR SERVICES 3 INCHES OR SMALLER SHALL BE HIGH DENSITY POLYETHYLENE PIPE (HDPE) UNLESS OTHERWISE APPROVED BY CIVIL ENGINEER. PIPE MATERIALS SHALL BE PER CITY OF NAPLES UTILITIES . SPECIFICATIONS, AND UTILITY MANUAL (LATEST REVISION). PIPE FITTING MATERIAL SPECIFICATIONS SHALL BE BRASS

COMPRESSION FITTINGS PER THE CITY OF NAPLES UTILITIES SPECIFICATIONS, AND UTILITIES MANUAL (LATEST REVISION). 20. CONTRACTOR'S BID PROPOSAL SHALL INCLUDE COORDINATION WITH ALL UTILITY PROVIDERS (FLORIDA POWER & LIGHT (FPL), GAS OR PROPANE (TECO OR AMERIGAS), CABLE, DATA AND PHONE) TO ESTABLISH PERMANENT SERVICE TO THE PROJECT HE PROPERTY OWNER SHALL BE RESPONSIBLE FOR PAYMENT OF ALL REQUIRED SERVICE CONNECTION FEES AND EXECUTING ANY SERVICE AGREEMENTS.

21. ANY PROPOSED ELECTRIC FEEDER POWER, GAS OR PROPANE, CABLE, DATA AND PHONE SITE INFRASTRUCTURE AND UTILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE UTILITY PROVIDER'S DETAILS AND TECHNICAL SPECIFICATIONS, AND INSTALLED BY A LICENSED CONTRACTOR APPROVED BY EACH UTILITY PROVIDER.

ANY PROPOSED SITE LIGHTING, ELECTRICAL, COMMUNICATIONS AND SURVEILLANCE UTILITIES AND FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ELECTRICAL ENGINEERING'S DETAILS AND TECHNICAL SPECIFICATIONS.

23. THE PROJECT WILL BE UTILIZING GROUND CITY OF NAPLES RECLAIMED WATER FOR ON-SITE IRRIGATION. 24. COUNTY INSPECTIONS REQUIRED BY UTILITY ORDINANCE 2004-31, SECTION 9.4.2.2 REQUIRE 48 HOURS NOTICE 25. CONTRACTOR SHALL INSTALL TERRA TAPE "D" METALLICIZED LOCATOR TAPE AS MANUFACTURED BY REEF INDUSTRIES, INC

HOUSTON, TX (800)231-6074 AND ALLEN SYSTEMS, INC., WHEATON, IL (800)323-1749 BURIED APPROXIMATELY 12 INCHES ABOVE

PVC. POLYETHYLENE (PE). DUCTILE IRON, AND STEEL PIPING, TAPE WIDTH SHALL BE 3 INCH MINIMUM, ADDITIONALLY, FOR ANY

ACCEPTED CITY OF NAPLES UTILITIES, ATTACH WITH ELECTRICAL TAPE 10 GAGE COPPER TRACER WIRE ONTO ALL WATER MAINS, AND WATER SERVICE LINES. 26. AS MAY BE APPLICABLE, PLACE 3M MAGNETIC BALL MARKERS AT VALVE BOXES, IN METER BOXES, AT ALL FITTINGS AND CHANGE OF DIRECTION AT INTERVALS NO GREATER THAN EVERY 100 FEET. FOR SERVICE LINES, PLACE 3M MAGNETIC BALL MARKERS AT WATER SERVICE LINE CONNECTION TO WATER MAIN AND AT INTERVALS NO GREATER THAN EVERY 100 FEET.

PLACE BALL MARKERS APPROXIMATELY 6 INCHES ABOVE PIPE.

27. THE PROPERTY OWNER SHALL RELEASE THE CITY OF NAPLES FROM THE COST AND LIABILITY OF MAINTENANCE AND REPAIR OF PAVEMENT AREAS/LANDSCAPE AREAS SHOULD THE CITY BE REQUIRED TO PERFORM REPAIRS/MAINTENANCE/REPLACEMENT OF ANY ACCEPTED CITY OF NAPLES UTILITY MAINS AND SERVICE LINES

28. ALL POTABLE WATER, FIRE, IRRIGATION (OR EFFLUENT) AND FORCE MAINS 3-INCHES IN DIAMETER OR LARGER SHALL BE POLYVINYL CHLORIDE PIPE (PVC), AWWA C-900, CLASS 305 (DR 14) 29. POTABLE WATER HORIZONTAL DIRECTION DRILLS (HDD) SHALL BE HIGH DENSITY POLYETHYLENE PIPE (HDEP). DR 11

CONTRACTOR SHALL REFERENCE CITY OF NAPLES UTILITY SPECIFICATION No'S 02600, 02620 AND 02623 FOR MATERIAL AND INSTALLATION SPECIFICATIONS 30. ALL HORIZONTAL DIRECTION DRILLS (HDD) SHALL BE HIGH DENSITY POLYETHYLENE PIPE (HDPE), DR 14 PIPE MATERIAL CONTRACTOR SHALL REFERENCE CITY OF NAPLES UTILITY SPECIFICATION No'S 02620 AND 02623 FOR MATERIAL AND

FINANCIAL RESPONSIBILITY OF THE PROPERTY OWNER, ITS SUCCESSORS AND ASSIGNS.

31. ALL GRAVITY SANITARY SEWER MAINS AND LATERALS SHALL BE ASTM D-3034, POLYVINYL CHLORIDE PIPE (PVC), SDR 26. 32. ALL COSTS AND EXPENSES OF ANY AND ALL REPAIRS, REPLACEMENTS, MAINTENANCE, AND RESTORATIONS OF ABOVE-GROUND IMPROVEMENTS PERMITTED WITHIN A CITY OF NAPLES COUNTY UTILITY EASEMENT SHALL BE THE SOLE SITE DESIGN AND CONSTRUCTION NOTES:

ELEVATION (FT-NAVD-88) plus (+) 1.27' = ELEVATION (FT-NGVD)

PERMIT FROM SEWMD PRIOR TO THE START OF CONSTRUCTION.

ALL REQUIRED PERMIT APPLICATION FEES.

SERVICES OR ON-SITE FIRE HYDRANTS IS PROHIBITED.

AREAS FOR CONSTRUCTION MATERIALS.

16. STORM WATER PVC PIPE MATERIAL SPECIFICATIONS:

SDR 26, COLOR-CODED GREEN OR WHITE.

VASTEWATER INFRASTRUCTURE

OMPACTION REQUIREMENTS, AND INSTALLATION NOTES

CONVEYANCE IS OBTAINED FROM THE CITY OF NAPLES.

OWNER AND CONSULTANT TEAM IMMEDIATELY.

SITE DESIGN COORDINATION NOTES:

ROOF GUTTER AND DOWNSPOUTS

CANDLE SPECIFICATIONS, ETC

FIRE PUMP HOUSE, PUMPS AND EQUIPMENT

PROJECT PERIMETER FENCING OR WALLS

WATER FEATURES AND FIRE PITS

METER AND UTILITY ENCLOSURE

O. OTHER ELECTRICAL SERVICE LINES

GROUNDWATER CONDITIONS

. SUBSURFACE AND PHYSICAL CONDITIONS

SOIL BORING LOCATIONS AND FINDINGS

RECOMMENDATIONS FOR CONSTRUCTION

U. LISTED SPECIES REPORT WITH FLUCCS MAP

V. LISTED SPECIES MANAGEMENT PLANS

RECOMMENDATIONS FOR BUILDING FOUNDATION DESIGN

DETAILS, AND SPECIFICATIONS FOR THE FOLLOWING: A. BUILDING, SITE OR RETAINING WALL STRUCTURES.

MEP POINTS OF CONNECTIONS FOR ITEMS NOTED UNDER #2 BELOW.

MECHANICAL REQUIREMENT PADS AND SCREENING REQUIREMENTS

SIGN STRUCTURES, INCLUDING PROJECT IDENTIFICATION, WAY SIGNS, ETC.

PECIFICATIONS FOR THE FOLLOWING:
MEP POINTS OF CONNECTIONS, INCLUDING LOCATIONS, PIPE SIZES AND INVERTS

. FIRE SPRINKLER LINE FROM FIRE MAIN TO FIRE DEPARTMENT CONNECTION (FDC)

GROUND COVER FOR ALL PROPOSED AND DISTURBED AREAS

NOTES

DOORWAY PADS

PLANTER AREAS

. PLANT MATERIALS

LANDSCAPE LIGHTING

I. SITE PLANTER WALLS

STRINGENT

RESTORATION

CONVERSION FORMULA:

ALL INVERTS AND ELEVATIONS ARE SHOWN IN FEET AND BASED ON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD). REFERENCE THE CONVERSION FORMULA BELOW TO CONVERT TO NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD). PLEASE NOTE, SINCE THE CONVERSION FACTOR MAY VARY SLIGHTLY, IT IS RECOMMENDED THAT A PROFESSIONAL LAND SURVEYOR, ICENSED AND REGISTERED IN THE STATE OF FLORIDA. RECALCULATE THE CONVERSION FACTOR PRIOR TO THE START OF

CONTRACTOR'S BID PROPOSAL SHALL INCLUDE SITE MOBILIZATION, ACCESS AND CONTROL MANAGEMENT (INCLUDING

BIDDING PHASE OF THE PROJECT, AND PRIOR TO AND THROUGHOUT THE DURATION OF CONSTRUCTION

CONSTRUCTION DOCUMENTS, TECHNICAL SPECIFICATIONS AND CONTRACT DOCUMENTS

CONSTRUCTION DOCUMENTS, TECHNICAL SPECIFICATIONS AND CONTRACT DOCUMENTS

MOT PLAN THROUGHOUT THE DURATION OF CONSTRUCTION WITHIN THE RIGHT-OF-W

BUILDING AND SITE MODIFICATIONS NECESSARY TO ACCOMMODATE THE PROPOSED IMPROVEMENTS

ARRIER FENCING), TEMPORARY UTILITIES AND CONTROL MEASURES, STAGING TO ACCOMMODATE CONSTRUCTION, AND

PHASING DESIRED BY THE OWNERS REPRESENTATIVE AND PROPERTY OWNER. IT SHALL ALSO BE THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE AND REVIEW MOBILIZATION, ACCESS AND STAGING PLANS WITH THE OWNERS

REPRESENTATIVE. PROPERTY OWNER AND CITY OF NAPLES FIRE DEPARTMENT (CNFD) FOR REQUIREMENTS DURING THE

3. CONTRACTOR'S BID PROPOSAL SHALL INCLUDE CONSTRUCTION STAKEOUT AND RECORD SURVEYING SERVICES FROM A LAND

4. CONTRACTOR'S BID PROPOSAL SHALL INCLUDE ALL TESTING SERVICES FROM A GEOTECHNICAL ENGINEER, LICENSED AND

REGISTERED IN THE STATE OF ELORIDA. SERVICES SHALL INCLUDE ALL TESTING SERVICES AS SPECIFIED WITHIN THE

LOOD CERTIFICATES AS REQUIRED BY CITY OF NAPLES, AND ALL OTHER SERVICES AS SPECIFIED WITHIN THE

THE CONSTRUCTION ACTIVITIES MAY REQUIRE SOME DEWATERING, IF DEWATERING IS DEEMED NECESSARY BY THE

6. AS REQUIRED BY THE RIGHT-OF-WAY PERMIT APPROVAL. CONTRACTOR'S BID PROPOSAL SHALL IMPLEMENT AND MAINTAIN

7 CONTRACTOR'S BID PROPOSAL SHALL INCLLIDE COORDINATING APPLYING FOR AND OBTAINING THE APPROPRIATE BUILDING

FOR ANY PROPOSED ENTRY/SIGN FEATURES, WATER FEATURES, HAND RAILS, FENCES AND SITE WALLS, FLAG POLES, AND

8. 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

). ALL ITEMS TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE INCLUDED AT THE EXPENSE

10. CONTRACTOR SHALL COORDINATE WITH THE OWNERS REPRESENTATIVE AND PROPERTY OWNER ON ACCEPTABLE SOLIRCES

CONTRACTOR VERIFY THE FEASIBILITY AND REQUIREMENTS, SUCH AS CROSS-CONNECTION CONTROL (RPZ BACKFLOW DEVICE ASSEMBLY), WITH THE CITY OF NAPLES PUBLIC UTILITIES (CNPU) AND CITY OF NAPLES FIRE DEPARTMENT (CNFD)

DURING THE BIDDING AND CONSTRUCTION PHASES OF THE PROJECT. IT SHALL BE RESPONSIBILITY OF THE CONTRACTOR TO

INCLUDE IN THEIR BID PROPOSAL THE USE OF OTHER TEMPORARY WATER SOURCES IF UTILIZING EXISTING ON-SITE WATER

UTILITIES WITHIN THE VICINITY OF THE PROPOSED SITE IMPROVEMENTS PRIOR TO THE START OF CONSTRUCTION.

CONTRACTOR SHALL MINIMIZE INTERRUPTIONS TO EXISTING UTILITY SERVICES AS REASONABLY AS POSSIBLE, OR NOTIFY THE

OF THE CONTRACTOR, INCLUDING REMOVAL AND DUMPING FEES, MATERIALS, LABOR, ETC., ASSOCIATED WITH THE

UTILIZE EXISTING ON-SITE FIRE HYDRANTS AS A MEANS IN PROVIDING TEMPORARY POTABLE WATER, PROVIDED THE

11. CONTRACTOR SHALL COORDINATE WITH THE OWNERS REPRESENTATIVE AND PROPERTY OWNER ON POTENTIAL EXISTING

12. CONTRACTOR SHALL COORDINATE WITH OWNERS REPRESENTATIVE AND PROPERTY OWNER ON THE POTENTIAL STAGING

13. IF APPLICABLE, ALL PERIMETER BERMS SHALL BE CONSTRUCTED AND MAINTAINED ALONG THE DRAINAGE BASIN BOUNDARY

14. ALL CATCH BASIN OPENINGS, WHERE APPROPRIATE, SHALL BE COVERED WITH FILTER FABRIC (MIRAFI 140N OR APPROVED

A FOR PIPES AND FITTINGS 4-INCHES IN DIAMETER AND LARGER THAT ARE NOT DESIGNED LINDER ROADWAYS OR

EMERGENCY RESPONSE ACCESS ROADS SHALL BE ASTM D-3034 POLYVINYL CHLORIDE PIPE (PVC) SDR 35,

B. FOR PIPES AND FITTINGS 4-INCHES IN DIAMETER AND LARGER THAT ARE DESIGNED UNDER ROADWAYS OR EMERGENCY

RANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, WHICHEVER IS MORE

C. FOR PIPES 3-INCHES IN DIAMETER AND SMALLER SHALL BE MATERIAL SPECIFICATION SCHEDULE 80, COLOR-CODED

NOTE: ALTERNATES FOR ALL PIPE SIZES MAY BE CONSIDERED PROVIDED APPROVAL FROM THE CIVIL ENGINEER IS

17. STRUCTURE FOUNDATION, ROADWAY, SIDEWALK AND RETENTION AREA COMPACTION REQUIREMENTS AND INSTALLATION

A. LATEST CITY OF NAPLES UTILITIES SPECIFICATIONS AND STANDARDS MANUALS FOR POTABLE WATER, FIRE AND

19. STORM WATER, IRRIGATION AND OTHER UTILITY (FPL, CABLE, PHONE OR SECURITY LINES) TRENCHES, AND OPEN SPACE AREA

A. REFERENCE TECHNICAL SPECIFICATIONS PROVIDED BY THE CIVIL ENGINEER'S, UTILITY PROVIDER'S (INCLUDING FLORIDA

POWER AND LIGHT (FPL), CENTURYLINK, COMCAST, ETC.) OR FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT)

EMPORARY CONSTRUCTION WATER CAN BE ACCOMMODATED BY OBTAINING A TEMPORARY WATER METER/RPZ ASSEMBLY

PUBLIC UTILITIES DEPARTMENT, AND SHALL BE RESPONSIBLE FOR ALL SERVICE CONNECTION FEES AND TEMPORARY WATER

COORDINATION WITH FPL WILL BE REQUIRED TO ACCOMMODATE TEMPORARY POWER FOR THE PROJECT. THE CONTRACTOR

SHALL BE RESPONSIBLE FOR ALL SERVICE CONNECTION FEES AND TEMPORARY POWER EXPENSES. OTHER TEMPORARY

20. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW THE FINDINGS OF THE GEOTECHNICAL REPORTS ON THE

PACKAGE PROVIDED BY THE PROPERTY OWNER. THE CONTRACTOR SHALL CONSTRUCT IN ACCORDANCE WITH THE SPECIFICATIONS CONTAINED IN THE REPORTS, AND REPORT ANY QUESTIONS AND/OR OR CONCERNS WITH THE PROPERTY

NOTE: REFERENCE CONSTRUCTION DOCUMENTS FOR OTHER SITE DESIGN AND CONSTRUCTION

IF APPLICABLE, REFERENCE THE ARCHITECT'S, STRUCTURAL ENGINEER'S OR BUILDING MANUFACTURER'S DESIGN, PLANS.

TELECOMMUNICATIONS (TELECOM) EQUIPMENT (VAULTS, PULL BOXES, ETC.) AND ASSOCIATED SERVICE LINES, ETC.

ELECTRICAL AND EMERGENCY EQUIPMENT (TRANSFORMERS, SWITCHGEAR BOXES, PULL BOXES, EMERGENCY

3. IF APPLICABLE, REFERENCE THE FIRE PROTECTION/SPRINKLER CONTRACTOR'S AND MEP'S DESIGN, PLANS, DETAILS, AND

FIRE DEPARTMENT CONNECTION (FDC)
FIRE LINE CHECK VALVE (CV), POST INDICATOR VALVE (PIV), AND OTHER REQUIRED APPURTENANCES

4. IF APPLICABLE, REFERENCE THE LANDSCAPE ARCHITECT'S DESIGN, PLANS, DETAILS, AND SPECIFICATIONS FOR THE

SITE FURNISHING. INCLUDING HAND RAILS, BENCHES, TRASH RECEPTACLES, LANDSCAPE PLANTERS, ETC.

5. IF APPLICABLE, REFERENCE THE LANDSCAPE ARCHITECT'S DESIGN, PLANS, DETAILS, AND SPECIFICATIONS FOR THE

ALL IRRIGATION MECHANICAL EQUIPMENT, INCLUDING CONTROLLER, BOOSTER PUMP, RAIN SENSOR, ETC.

N. LIGHT BOLLARDS, INCLUDING FIXTURE SPECIFICATIONS AND ASSOCIATED SERVICE LINES, CONDUITS, ETC.

8. IF APPLICABLE, REFERENCE ENVIRONMENTAL CONSULTANT'S DESIGN, PLANS, DETAILS AND SPECIFICATIONS FOR THE

J. CONSTRUCTION LEVEL PLANS AND SPECIFICATIONS FOR IRRIGATION MAINS, SERVICE LATERALS, CONDUITS, METERS,

6. IF APPLICABLE, REFERENCE STREET LIGHTING ELECTRICAL ENGINEER'S DESIGN, PLANS, DETAILS AND SPECIFICATIONS FOR

M. STREET AND PARKING LOT LIGHTING, INCLUDING FIXTURE SPECIFICATIONS AND ASSOCIATED SERVICE LINES, CONDUITS,

7. IF APPLICABLE, REFERENCE GEOTECHNICAL ENGINEER'S DESIGN, PLANS, DETAILS AND SPECIFICATIONS FOR THE FOLLOWING:

HARDSCAPE AND SPECIALITY PAVING AREAS FOR ROADWAYS, WALKWAYS AND AMENTITIES

CONTROL VALVES AND APPURTENANCES, ETC., INCLUDING ELECTRICAL SERVICE REQUIRE

SURVEILLANCE AND SECURITY EQUIPMENT (MOUNTING POLES, CAMERAS, ETC.) AND ASSOCIATED SERVICE LINES, ETC.

GENERATORS, ETC.) AND ASSOCIATED SERVICE LINES, CONDUITS, ETC.

SITE LIGHTING, INCLUDING FLOOD-LIGHTING/DOWN-LIGHTING/UP-LIGHTING, LIGHT POLES/BOLLARDS/SCONCES, FIXTURES,

FIRE SYSTEM DESIGN, INCLUDING COORDINATION WITH FIRE SPRINKLER CONTRACTOR FOR ITEMS NOTED UNDER #3

IF APPLICABLE, REFERENCE THE MECHANICAL, ELECTRICAL AND PLUMPING'S (MEP) DESIGN, PLANS, DETAILS, AND

SUBSURFACE AND PHYSICAL CONDITIONS OF THE PROJECT. COPIES OF THE REPORTS WILL BE PART OF THE BID DOCUMENT

CONTRACTOR SHALL APPLY FOR AND OBTAIN A TEMPORARY CONSTRUCTION WATER METER FROM THE CITY OF NAPLES

EXPENSES. THE TEMPORARY POTABLE WATER METER SHALL REMAIN IN-PLACE UNTIL FINAL UTILITY ACCEPTANCE AND

21. CONTRACTOR SHALL BE RESPONSIBLE IN PROVIDING TEMPORARY POWER TO THE SITE TO FACILITATE CONSTRUCTION.

MEASURES MAY BE NECESSARY UNTIL TEMPORARY SERVICE CAN BE ESTABLISHED BY FPL.

STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, WHICHEVER IS MORE STRINGENT

20. CONTRACTOR SHALL BE RESPONSIBLE IN PROVIDING TEMPORARY WATER TO THE SITE TO FACILITATE CONSTRUCTION

FROM THE CITY OF NAPLES. AND INSTALLING THE METER/RPZ ASSEMBLY ON THE TEMPORARY BACKFLOW ASSEMBLY

A. REFERENCE TECHNICAL SPECIFICATIONS PROVIDED BY THE CIVIL ENGINEER'S OR FLORIDA DEPARTMENT OF

18. POTABLE WATER AND WASTEWATER UTILITY TRENCH COMPACTION REQUIREMENTS AND INSTALLATION NOTES:

OBTAINED. MATERIAL ALTERNATES MUST BE REVIEWED DURING THE PROJECT'S BIDDING PHASE.

(UAL) TO PREVENT DEBRIS AND FILL FROM FALLING INTO THE INLET DURING THE COURSE OF CONSTRUCTION.

15. ALL STORM WATER REINFORCED CONCRETE PIPE (RCP) JOINTS SHALL BE WRAPPED WITH FILTER FABRIC (MIRAFI OR

WINERS REPRESENTATIVE AND PROPERTY OWNER OF ANY REQUIRED TEMPORARY INTERRUPTION OF SERVICE.

CONTRACTOR SHALL PROVIDE 24 HOURS NOTICE PRIOR TO ANY INTERRUPTION OF SERVICE.

RESPONSE ACCESS ROADS SHALL BE ASTM D-3034 POLYVINYL CHLORIDE PIPE (PVC)

AS SHOWN ON THE APPROVED PERMIT PLANS AND CROSS SECTION DETAILS

COLOR-CODED GREEN OR WHITE, UNLESS OTHERWISE NOTED

PERMITS, AS OUTLINED IN THE CITY OF NAPLES LAND DEVELOPMENT CODE (LDC), BUILDING CODE AND CODE OF ORDINANCE,

ECTRICAL PERMITS FOR ELECTRICAL INFRASTRUCTURE. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR PAYMENT OF

SURVEYOR, LICENSED AND REGISTERED IN THE STATE OF FLORIDA. SURVEYING SCOPE SHALL ALSO INCLUDE FINAL SLAB AND

CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE FOR APPLYING FOR AND OBTAINING THE APPROPRIATE WATER USE

SUBSTANTIAL COMPLETION AND FINAL ACCEPTANCE NOTES:

1. THE FOLLOWING ACTIVITIES IDENTIFIED BELOW SHALL BE REQUIRED TO ACHIEVE:

A. SUBSTANTIAL COMPLETION AND FINAL ACCEPTANCE FROM THE OWNERS REPRESENTATIVE AND THE PROPERTY OWNER A. SUBSTANTIAL COMPLETION AND FINAL ACCEPTANCE FROM THE OWNERS REPRESENTATIVE AND THE UTILITY FINAL ACCEPTANCE APPROVAL FROM THE CITY OF NAPLES PUBLIC UTILITIES
C. FINAL SITE ACCEPTANCE APPROVAL FROM THE CITY OF NAPLES GROWTH MANAGEMENT DEPARTME
C. FINAL SITE ACCEPTANCE APPROVALS FROM THE CITY OF NAPLES AND COLLIER COUNTY RIGHT-OF-V
D. SUBSTANTIAL COMPLETION AND CERTIFICATION APPROVALS FROM SFWMD AND FDEP AS APPLICABLE.

ALL ACTIVITIES SHALL BE CONDUCTED IN ACCORDANCE WITH THE CONTRACT AND CONSTRUCTION DOCUMENTS, AND TECHNICAL SPECIFICATIONS PROVIDED BY THE CIVIL AND GEOTECHNICAL ENGINEERS OF RECORD, ARCHITECT (INCLUDING MECHANICAL

ECTRICAL AND PLUMBING (MEP) ENGINEERS), UTILITY PROVIDERS AND THE LATEST WATER-SEWER REGULATORY AGENCIES. UTILITIES STANDARDS AND SPECIFICATIONS MANUAL PLEASE NOTE, NOT ALL ITEMS LISTED BELOW MAY BE APPLICABLE, AND IT IS THE RESPONSIBILITY OF CONTRACTOR TO COMPLETE

THE REQUIRED ITEMS BASED ON THE IMPROVEMENTS THAT ARE PROPOSED CONTRACTOR AND CONTRACTOR'S LAND SURVEYOR AND GEOTECHNICAL ENGINEER (WHICH MUST BE LICENSED AND REGISTERED

IN THE STATE OF FLORIDAL SHALL PROVIDE THE FOLLOWING REQUIRED ITEMS TO THE OWNERS REPRESENTATIVE, ARCHITECT (INCLUDING MECHANICAL, ELECTRICAL AND PLUMBING (MEP) ENGINEERS) AND CIVIL ENGINEER OF RECORD:

A. DENSITY REPORTS: 1. COMPACTED FILL (FOR BUILDING STRUCTURE FOUNDATIONS, RETAINING WALLS, CURBING, PIPE BEDDING, BACKFILL,

2. STABILIZED SUBGRADE (EVERY 300 LF FOR ROADS OR EVERY 1.000 SY OR FRACTION THEREOF FOR PARKING LOTS AND DRIVE/ACCESS AISLES 3. LIMEROCK BASE (EVERY 300 LF FOR ROADS OR EVERY 1,000 SY OR FRACTION THEREOF FOR PARKING LOTS AND DRIVE/ACCESS AISLES) 4. UTILITY TRENCH

WATER/FIRE/FORCE MAINS (EVERY 100 LF, AND/OR EVERY CHANGE IN DIRECTION) 4.2. STORM WATER PIPES (ONE TEST AT EACH INLET CONNECTION AND EVERY 100 LF THEREAFTER OR AT CENTER OF PIPE IF URN IS LESS THAN 100 LF)

4.3. GRAVITY WASTEWATER MAINS (ONE TEST AT EACH MANHOLE CONNECTION AND EVERY 100 LF HEREAFTER

OR AT CENTER OF PIPE IF RUN IS LESS THAN 100 LF)
OTHER ITEMS AS SPECIFIED WITHIN THESE CONSTRUCTION DOCUMENTS OR PROJECT'S TECHNICAL SPECIFICATIONS B. CORE SAMPLES (EVERY 300 LF FOR ROADS OR EVERY 1,000 SY OR FRACTION THEREOF FOR PARKING LOTS AND ACCESS LIMEROCK BASE

BACTERIOLOGICA D. BACKFLOW AND RPZ ASSEMBLIES

APPROVALS, SIGN-OFFS AND CERTIFICATIONS:

A CIVIL ENGINEER AND LANDSCAPE ARCHITECT OF RECORD FINAL SITE INSPECTION AND ACCEPTANCE

B. GEOTECHNICAL ENGINEER OF RECORD SIGNED AND SEALED CERTIFICATION (INCLUDING ALL TEST RESULTS) PROVIDED BY THE CONTRACTOR'S PROFESSIONAL GEOTECHNICAL ENGINEER, LICENSED AND REGISTERED IN THE STATE OF FLORIDA, CERTIFYING THAT THE TESTING PROGRAM HAS BEEN COMPLETED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND THAT THE PROJECT COMPLIES WITH THE TESTING CRITERIA CONTAINED IN THE CONSTRUCTION DOCUMENTS (PROJECT PLANS AND SPECIFICATIONS)

CITY OF NAPLES BUILDING DEPARTMENT FINAL BUILDING SURVEY AND FLOOD CERTIFICATES, ETC. PROVIDED BY CONTRACTOR'S PROFESSIONAL LAND

SURVEYOR, LICENSED AND REGISTERED IN THE STATE OF FLORIDA
ALL OTHER ITEMS AS REQUIRED OR SPECIFIED PER THE MECHANICAL, ELECTRICAL AND PLUMBING (MEP) ENGINEERS'S PLANS AND TECHNICAL SPECIFICATIONS

ALL OTHER ITEMS AS REQUIRED OR SPECIFIED TO OBTAIN BUILDING CERTIFICATE OF OCCUPANCY OR CITY OF NAPLES SIGN-OFFS. D. CITY OF NAPLES AND COLLIER COUNTY GROWTH MANAGEMENT DEPARTMENTS

1. ITEMS NOTED WITHIN THE PERMIT APPROVAL AND REQUESTED AT PRE-CONSTRUCTION MEETING

LAKE EXCAVATION REPORT PROVIDED BY CONTRACTOR'S PROFESSIONAL LAND SURVEYOR, LICENSED AND EGISTERED IN THE STATE OF FLORIDA PAID RECEIPT FROM THE CONTRACTOR INCLUDING MATERIALS AND INSTALLATION OF ALL LITTORAL PLANTINGS

E. CITY OF NAPLES FIRE DEPARTMENT UNDERGROUND FIRE PROTECTION LINES AND ASSOCIATED APPURTENANCES FIRE HYDRANT AND THRUST BLOCK INSPECTIONS

GEOBLOCK STABILIZED ACCESS ROADS THAT SUPPORT EMERGENCY VEHICLES ALL OTHER ITEMS AS REQUIRED OR SPECIFIED TO OBTAIN BUILDING CERTIFICATE OF OCCUPANCY F. SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD) ITEMS NOTED WITHIN THE PERMIT APPROVAL AND REQUESTED AT PRE-CONSTRUCTION MEETING
BENCHMARK ON CONTROL STRUCTURE TO INCLUDE PK NAIL & DISC WITH ELEVATION, SET BY CONTRACTOR'S

OFESSIONAL LAND SURVEYOR, LICENSED AND REGISTERED IN THE STATE OF FLORIDA FINAL SITE INSPECTION AND ACCEPTANCE G. FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDFP) . ITEMS NOTED WITHIN THE PERMIT APPROVAL AND REQUESTED AT PRE-CONSTRUCTION MEETING

CONTRACTOR SHALL PROVIDE A FINAL SET OF RECORD DRAWINGS TO THE CIVIL ENGINEER OF RECORD, RETRIEVAL OF RECORD NFORMATION SHALL BE CONDUCTED, VERIFIED AND CERTIFIED BY A PROFESSIONAL LAND SURVEYOR, LICENSED AND REGISTERED IN THE STATE OF FLORIDA. AND ACCURATELY SHOW ALL ABOVE-GROUND AND BELOW-GROUND HORIZONTAL AND ERTICAL LOCATIONS. BELOW-GROUND INFRASTRUCTURE SHALL BE EXPOSED OR MARKED BY THE UTILITY CONTRACTOR PRIOF TO THE FINAL RECORD SURVEY BEING PERFORMED BY THE PROJECT SURVEYOR. THE CONTRACTOR'S LAND SURVEYOR SHALL PROVIDE A FINAL RECORD SURVEY IN AUTOCAD FORMAT TO THE CIVIL ENGINEER OF RECORD

RECORD DRAWINGS AND FINAL RECORD SURVEY PROVIDED TO THE CIVIL ENGINEER OF RECORD BY THE CONTRACTOR AND LAND SURVEYOR SHALL INCLUDE, AND NOT BE LIMITED TO, THE FOLLOWING (AS REQUIRED):

A. POTABLE WATER, FIRE AND WASTEWATER LOCATIONS AND TOP-OF-PIPE ELEVATIONS OF ALL PRESSURE PIPE LINES AT EVERY 300 LF ALONG PIPE LINE AND AT EACH PIPE ELBOW AND FITTING LOCATION 2. LOCATIONS AND ELEVATIONS OF ALL METER AND VALVE BOXES, AIR RELEASE VALVES, BLOW-OFFS, FIRE HYDRANTS AND BACTERIAL SAMPLE POINTS, ETC

3. INVERTS, RIM ELEVATIONS AND LOCATIONS FOR ALL LIFT STATIONS, INCLUDING ALL ELEVATIONS AND DIMENSIONS SHOWN ON THE PUMP STATION WETWELL DATA TABLE LOCATIONS FOR ALL LIFT STATION ELECTRICAL CONTROL PANELS AND TRANSFORMERS

INVERTS, PIPE SLOPES, RIM ELEVATIONS, RUN LENGTHS AND LOCATIONS FOR ALL MANHOLES INVERTS (AT BOTH ENDS), PIPE SLOPES, RUN LENGTHS AND LOCATIONS FOR ALL SEWER MAIN STUB-OUTS LOCATIONS OF SEWER LATERALS

LOCATIONS, ELEVATIONS AND INVERTS FOR ALL CLEANOUTS

B. PAVING, DRAINAGE AND WATER MANAGEMENT BUILDING DIMENSIONS, AND VERTICAL ELEVATIONS AT ALL BUILDING CORNERS

ROADWAY (INCLUDING ACCESS ROADS AND DRIVEWAYS) VERTICAL ELEVATIONS ALONG CENTERLINE AND EDGE-OF-PAVEMENT, INCLUDING AT ALL INTERSECTIONS, POINTS OF VERTICAL INTERSECTION (PVI'S) AND ROADWAY

3. PARKING AREA (INCLUDING PARKING ACCESS AISLES AND PARKING STALLS) VERTICAL ELEVATIONS ALONG CENTERLINE AND EDGE-OF-PAVEMENT, INCLUDING AT ALL INTERSECTIONS AND PARKING AREA HIGHS AND LOWS DIMENSIONS, HORIZONTAL AND VERTICAL ELEVATIONS FOR ALL A.D.A. ACCESSIBLE CROSSWALKS, PATHWAYS, CURB RAMPS, RAMPS AND PARKING STALLS (INCLUDING ADJOINING 5-FOOT WIDE ACCESS AISLE)
5. INVERT, GRATE AND INLET VERTICAL ELEVATIONS OF ALL WATER MANAGEMENT STRUCTURES (CONTROL

GRATE/TOP, SIDE-INLET, WEIR AND BLEED-DOWN DIMENSIONS AND VERTICAL ELEVATIONS SHALL BE PROVIDED FOR ALL STRUCTURES HORIZONTAL LOCATIONS AND VERTICAL ELEVATIONS OF TOP-OF-BANK AND LAKE BOTTOM, BASED ON LAKE CROSS SECTIONS AT 100' INTERVALS FOR LAKES UNDER 5 ACRES AND 300' INTERVALS FOR LAKES 5 ACRES OR MORE. ADDITIONAL SECTIONS OF 25' TO 50' INTERVALS SHALL BE PROVIDED WHEN LAKES ARE DESIGNED WITH

JRVATURES/UNDULATIONS LAKE EDGES HORIZONTAL LOCATIONS AND VERTICAL ELEVATIONS OF TOP-OF-BANK AND TOE-OF-SLOPE FOR ALL DRY DETENTION AREAS. NUMBER OF HORIZONTAL LOCATIONS AND VERTICAL ELEVATIONS WILL VARY DEPENDING ON SIZE AND CONFIGURATION OF EACH AREA, BUT MUST ADEQUATELY DEPICT CONFIGURATION TO CALCULATE AND CONFIRM

PROVIDED TREATMENT VOLUMES, AS REQUIRED BY THE PERMIT CONDITIONS
8. HORIZONTAL LOCATIONS AND VERTICAL ELEVATIONS OF TOP-OF-BANK AND CENTERLINE AT 50' INTERVALS FOR ALL OPEN SWALES AND DRAINAGE DITCHES C. PAID RECEIPT FROM CONTRACTOR INCLUDING MATERIALS AND INSTALLATION OF ALL LITTORAL PLANTINGS FOR EACH

D. OTHER ITEMS AS SPECIFIED WITHIN THESE CONSTRUCTION DOCUMENTS OR PROJECT'S TECHNICAL NOTE: NOT ALL ITEMS ABOVE ARE APPLICABLE, AND THE CONTRACTOR SHALL COORDINATE WITH CIVIL ENGINEER FOR FINAL VERIFICATION, CONTRACTOR SHALL ALSO COORDINATE AND VERIFY PROCEDURES IN ACCOMMODATING REQUIRED. ECORD DRAWING INFORMATION WITH CIVIL ENGINEER AND SURVEYOR PRIOR TO THE START OF CONSTRUCTION.

5. UTILITY PROVIDERS SERVICE CONNECTIONS/AGREEMENT, IF REQUIRED UNLESS OTHERWISE NOTED WITHIN THIS CONTRACT DOCUMENTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OORDINATE WITH ALL UTILITY PROVIDERS TO ESTABLISH PERMANENT SERVICE TO THE PROJECT. THE PROPERTY OWNER SHALL BE RESPONSIBLE FOR PAYMENT OF ALL REQUIRED SERVICE CONNECTION FEES AND EXECUTING ANY SERVICE AGREEMENTS ICLUDING THE REQUIREMENTS THAT ARE PART OF SAID AGREEMENTS. PERMANENT SERVICE FROM ALL UTILITY PROVIDE

MUST BE ESTABLISHED PRIOR TO ACHIEVING FINAL ACCEPTANCE OF THE FACILITY FROM THE OWNERS REPRESENTATIVE AND

IN ADDITION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND PROVIDING THE FOLLOWING ITEMS (AS

A. COORDINATION WITH UTILITY PROVIDER FOR ESTABLISHMENT OF PERMANENT SERVICE B. LEGAL SKETCH AND DESCRIPTION OF EACH UTILITY PROVIDER'S UTILITY EASEMENT, PREPARED BY A PROFESSIONAL

LAND SURVEYOR, LICENSED AND REGISTERED IN THE STATE OF FLORIDA C. COORDINATION WITH THE PROPERTY OWNER OR PROPERTY OWNER'S ATTORNEY FOR THE RECORDING OF EASEMENTS WITH COUNTY/CITY PUBLIC RECORDS DEPARTMENT

D. OTHER ITEMS AS SPECIFIED WITH THE SERVICE AGREEMENT 6. DELIVERY OF ALL OPERATION AND MAINTENANCE MANUALS, IF REQUIRED

AND MUST MEET A DESIGN WIND SPEED OF A MINIMUM OF 150 MPH.

### TRAFFIC MOT, SIGNAGE AND PAVEMENT MARKING NOTES:

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 (FDOT) DESIGN STANDARDS.

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.

4. MAINTENANCE OF TRAFFIC (MOT) PLANS AND TRAFFIC MAINTENANCE CONTROLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS, AND FLORIDA MANUAL OF TRAFFIC CONTROL AND SAFE PRACTICES FOR STREET CONSTRUCTION MAINTENANCE, AND UTILITY OPERATIONS.

3. SIGN POST MATERIALS AND INSTALLATION SHALL BE CONSTRUCTED IN ACCORDANCE WITH FDOT DESIGN INDEX NO. 700-010

5. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AND USAGE OF THE EXISTING STREETS ADJACENT TO THE PROJECT, IT IS ANTICIPATED THE SCOPE OF WORK WILL REQUIRE THE NEED TO APPLY FOR AND OBTAIN A RIGHT-OF-WAY (ROW) PERMIT FROM THE CITY OF NAPLES AND COLLIER COUNTY AND SHALL BE RESPONSIBLE IN IMPLEMENTING AND MAINTAINING A MAINTENANCE OF TRAFFIC (MOT) PLAN UNTIL COMPLETION OF CONSTRUCTION. THE CONTRACTOR IS ALSO

6. ALL PAVEMENT MARKINGS WITHIN FIRST AVENUE SOUTH, TWELFTH STREET SOUTH, AND GOODLETTE-FRANK ROAD SHALL BE

ALL STOP BAR AND PEDESTRIAN CROSSING PAVEMENT MARKINGS SHALL BE CONSTRUCTED WITH THERMOPLASTIC. IN INSTANCES WHERE THE PAVEMENT MARKINGS ARE WITHIN A PAVER BRICK ROADWAY OR PARKING AREA SECTION, THE CONTRACTOR SHALL INSTALL WHITE COLORED CONCRETE PAVER BRICKS IN PLACE OF STRIPING TO DELINEATE PROPOSED PAVEMENT MARKINGS. CONTRACTOR SHALL REFERENCE LANDSCAPE ARCHITECT'S PLANS FOR PAVER BRICK

8. ALL OTHER PAVEMENT STRIPING SHALL BE PAINTED, UNLESS OTHERWISE NOTED.

STAGING WITHIN THE OWNER'S PROPERTY LIMITS PRIOR TO CONSTRUCTION.

CONSTRUCTED WITH THERMOPLASTIC

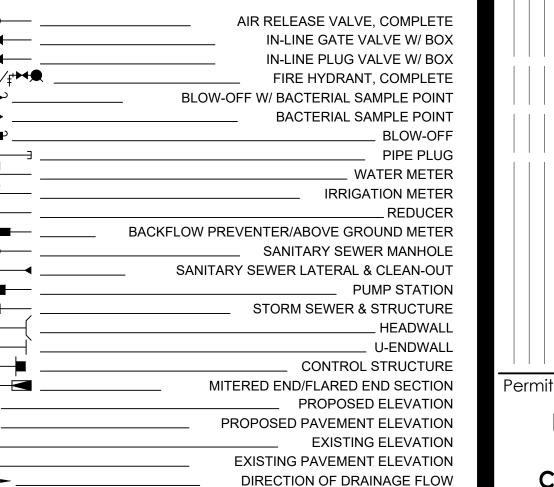
CONTRACTOR DOES HAVE THE OPTION TO CONSTRUCT THE ASPHALT PAVEMENT IN TWO LIFTS. CONTRACTOR SHALL VERIFY WITH THE PROPERTY OWNER PRIOR TO THE BIDDING PHASE OF THE PROJECT. IF THE ASPHALT PAVEMENT WILL OCCUR IN TWO LIFTS, ALL PAVEMENT MARKINGS CAN BE INITIALLY PAINTED AT THE CONTRACTOR'S DISCRETION, HOWEVER, FINAL LIFT OF ASPHALT, AND ALL FINAL PAVEMENT MARKINGS AND SIGNAGE MUST BE COMPLETED PRIOR TO THE CONTRACTOR OBTAINING FINAL SITE ACCEPTANCE FROM THE CITY OF NAPLES AND SUBSTANTIAL COMPLETION AND ACCEPTANCE FROM

#### **ABBREVIATIONS**

BACK OF CURB or BACK OF GUTTER

EOP	EDGE OF PAVEMENT
DE	DRAINAGE EASEMENT
LME	LAKE MAINTENANCE EASEMENT
UE	UTILITY EASEMENT
CUE	COUNTY UTILITY EASEMENT
EL or ELEV	ELEVATION
INV	INVERT
	LINEAR FEET
NAVD	NORTH AMERICAN VERTICAL DATUM
PVI	POINT OF VERTICAL INTERSECTION
NIC	NOT IN CONTRACT
R/W or ROW	RIGHT OF WAY
SB	SOIL BORING
STA	STATION
UP	UTILITY POLE
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
	CABLE TELEVISION
FPL or FP&L	FLORIDA POWER & LIGHT
UTF	UNITED TELEPHONE OF FLORIDA
<b>B</b>	BASE LINE
©	CENTERLINE
Æ	FLOW LINE
₽	PROPERTY LINE
CMP	CORRUGATED METAL PIPE
D.I.P	DUCTILE IRON PIPE
PVC	POLYVINYL CHLORIDE PIPE
HDPE	HIGH DENSITY POLYETHYLENE
RCP	REINFORCED CONCRETE PIPE
ERCP	ELLIPTICAL REINFORCED CONCRETE PIPE
MH	MANHOLE
STR	STORM SEWER STRUCTURE
X.XX' LT/X.XX' RT	FEET LEFT or FEET RIGHT
	0///0010

#### **SYMBOLS**



SWALE & DIRECTION OF FLOW

HANDICAPPED PARKING SPACE

# NOTE: OPEN SYMBOLS AND DASHED LINES DENOTE

**EXISTING IMPROVEMENTS** 

(XX.XX)

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34102 Project No.: 215617573

Revision: Sheet: of Drawing No.

Permit/Seal

**PRELIMINARY** CONSTRUCTION

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File Name: 2\_215617573\_01C-GC001

Scale: N/A D.L.P. J.B.B. C.E.B. JAN,2023
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GENERAL NOTES

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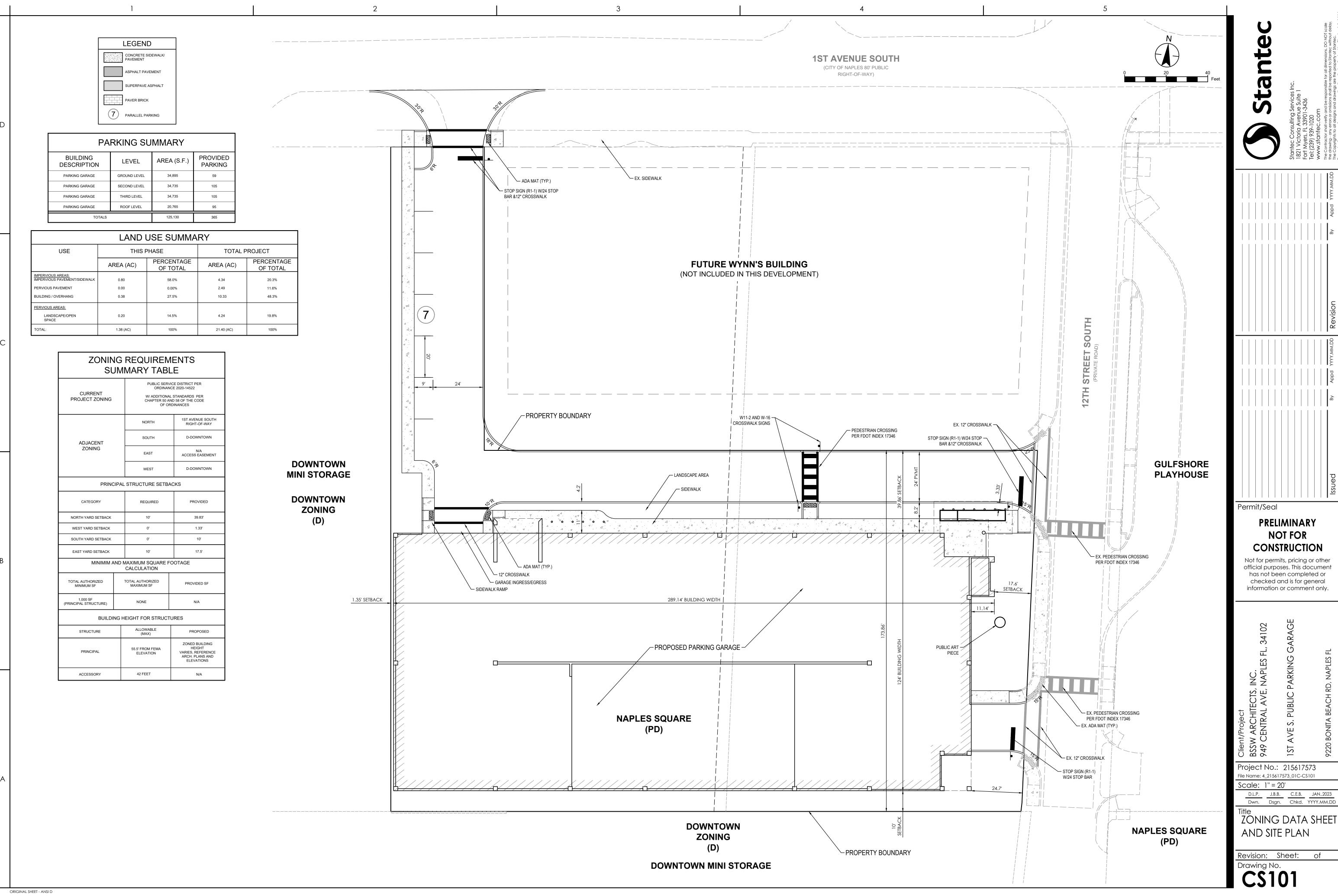
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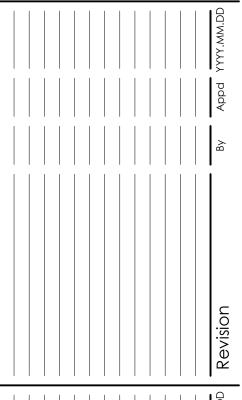
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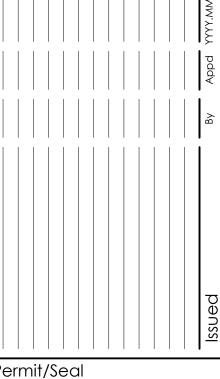
Project No.: 215617573

File Name: 3\_215617573\_01C-CD101

**EXISTING CONDITION** AND DEMOLITION







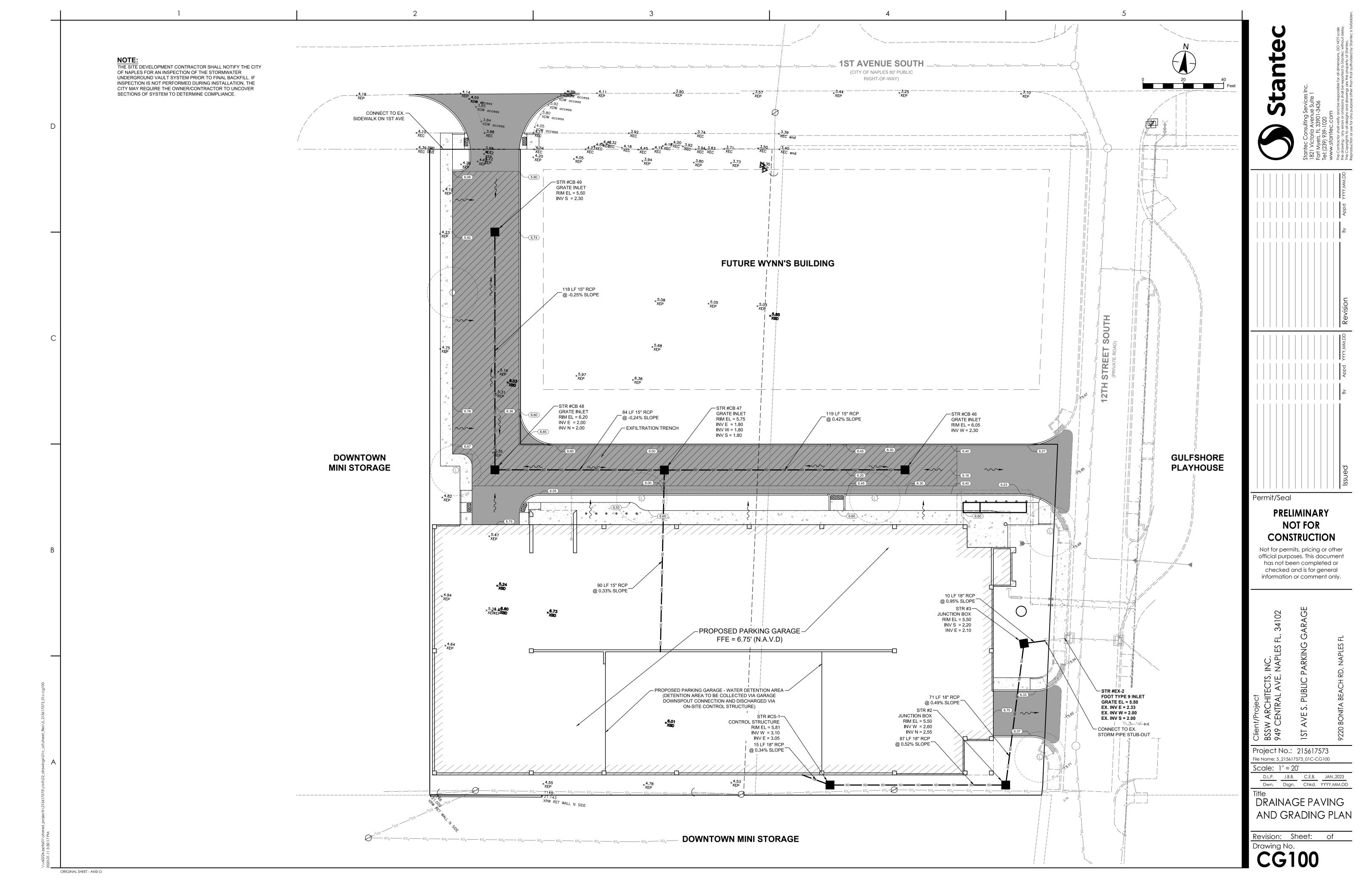
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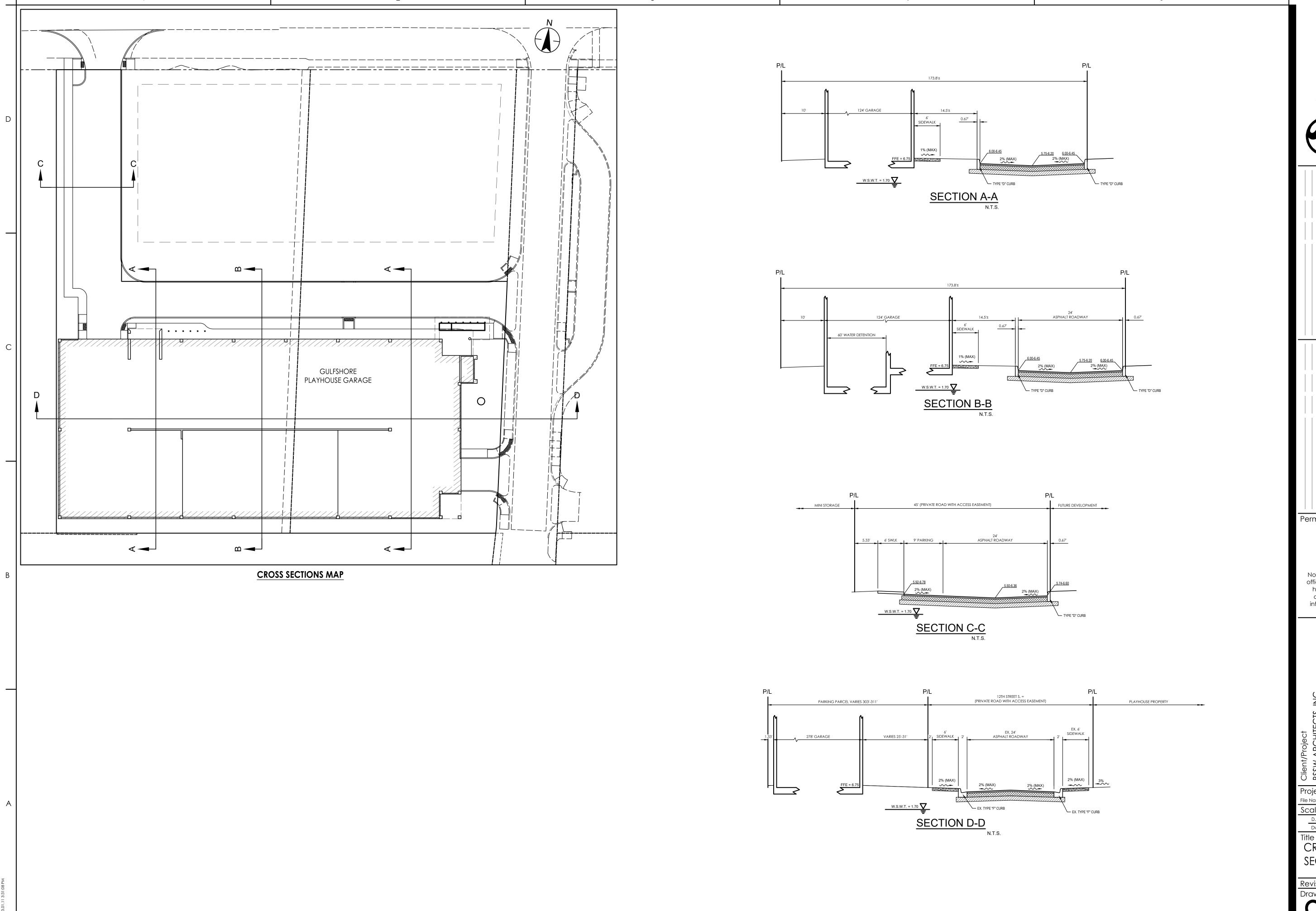
official purposes. This document has not been completed or checked and is for general information or comment only.

Project No.: 215617573 File Name: 4\_215617573\_01C-C\$101

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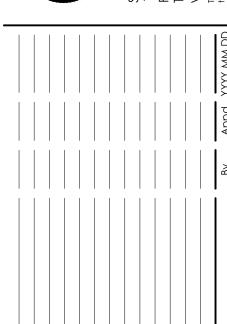
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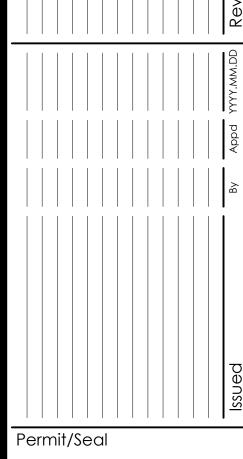




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File Name: 6\_215617573\_01C-C300

Scale: 1" = 30' D.L.P. J.B.B. C.E.B. JAN.,2023
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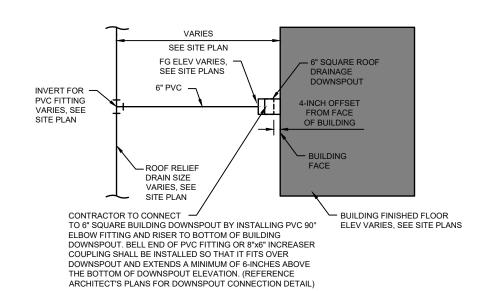
CROSS SECTIONS AND SECTIONS MAP

Revision: Sheet: of Drawing No. CG300

#### 1) SEE SITE PLANS FOR ROOF RELIEF DRAIN AND FITTINGS SIZES, INVERTS AND GRATE ELEVATIONS.

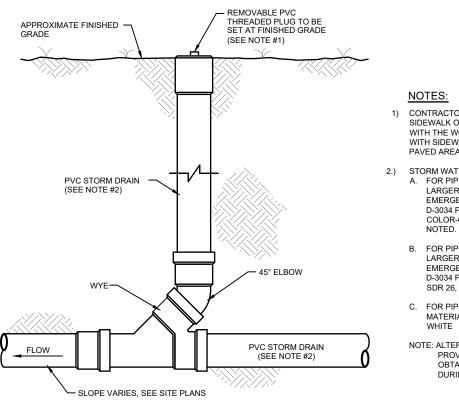
#### A MINIMUM 12 INCHES OF COVER SHALL BE MAINTAINED BETWEEN TOP OF ROOF RELIEF DRAIN PIPE AND PROPOSED FINISHED GRADE.

# PVC RISER, GRATE & ROOF RELIEF DRAIN/BUILDING DOWNSPOUT **CONNECTION DETAIL**



- 1.) PVC FITTING MAY REQUIRE 90° OR TEE-WYE FITTING. SEE SITE PLAN FOR FITTING REQUIREMENTS. TEE-WYE FITTING HAS BEEN SHOWN ON
- 2.) SEE SITE PLANS FOR ROOF RELIEF DRAIN AND FITTINGS SIZES.

# **PVC RISER & ROOF RELIEF** DRAIN/BUILDING DOWNSPOUT **CONNECTION DETAIL**

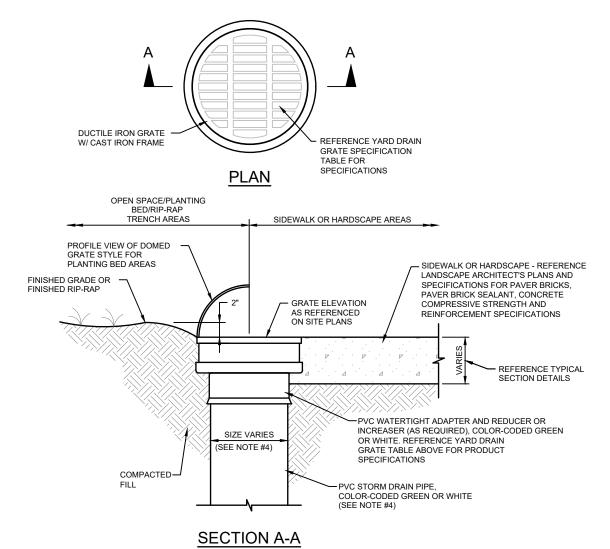


1) CONTRACTOR SHALL INSTALL CAST IRON OR METER BOX FOR SIDEWALK OR HARDSCAPE AREAS. USF #7630 RIM AND COVER WITH THE WORDS "SW", SHALL BE PROVIDED AND SET FLUSH
WITH SIDEWALK OR HARDSCAPE FINISHED GRADE. REFERENCE PAVED AREAS SEWER CLEANOUT DETAIL FOR SPECIFICATIONS 2.) STORM WATER PVC PIPE MATERIAL SPECIFICATIONS: A. 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

B. FOR PIPES AND FITTINGS 4-INCHES IN DIAMETER AND LARGER THAT ARE DESIGNED UNDER ROADWAYS OR EMERGENCY RESPONSE ACCESS ROADS SHALL BE ASTM D-3034 POLYVINYL CHLORIDE PIPE (PVC) SDR 26, COLOR-CODED GREEN OR WHITE C. FOR PIPES 3-INCHES IN DIAMETER AND SMALLER SHALL BE MATERIAL SPECIFICATION SCHEDULE 80, COLOR-CODED

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** 



1) COMPACTED FILL SHALL BE A MINIMUM OF 16", A-3 SELECT SOIL (AASHTO M145) W MAXIMUM 5% PASSING # 200 SIEVE, COMPACTED TO 95% MAXIMUM DENSITY.

2) 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

3) 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.

> 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

A. FOR PIPES AND FITTINGS 4-INCHES IN DIAMETER AND LARGER

B. FOR PIPES AND FITTINGS 4-INCHES IN DIAMETER AND LARGER THAT ARE DESIGNED UNDER ROADWAYS OR EMERGENCY RESPONSE ACCESS ROADS SHALL BE ASTM D-3034

POLYVINYL CHLORIDE PIPE (PVC) SDR 26, COLOR-CODED

C. FOR PIPES 3-INCHES IN DIAMETER AND SMALLER SHALL BE

MATERIAL SPECIFICATION SCHEDULE 80, COLOR-CODED

NOTE: ALTERNATES FOR ALL PIPE SIZES MAY BE CONSIDERED PROVIDED APPROVAL FROM THE CIVIL ENGINEER IS

OBTAINED. MATERIAL ALTERNATES MUST BE REVIEWED

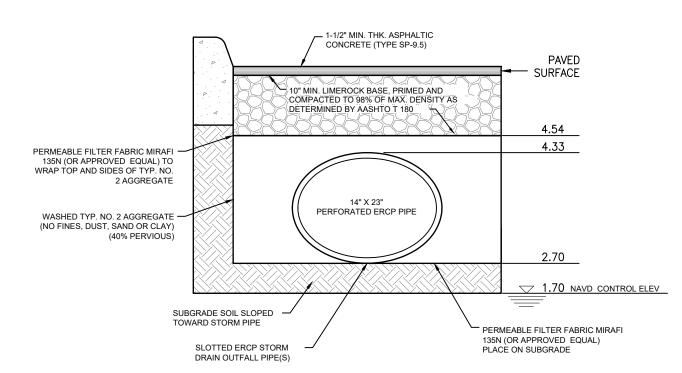
UNDERDRAIN SPECIFICATIONS, IF APPLICABLE.

4.) STORM WATER PVC PIPE MATERIAL SPECIFICATIONS:

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 DOME (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 0801DI (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 L	ANDSCAPE ARCHITECT	Γ'S PLANS FOR SPECI	FICATIONS	

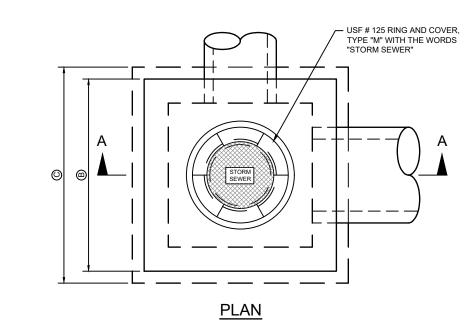
(CONTRACTOR SHALL REFERENCE MANUFACTURER'S SPECIFICATIONS FOR ASSEMBLY AND INSTALLATION REQUIREMENTS)

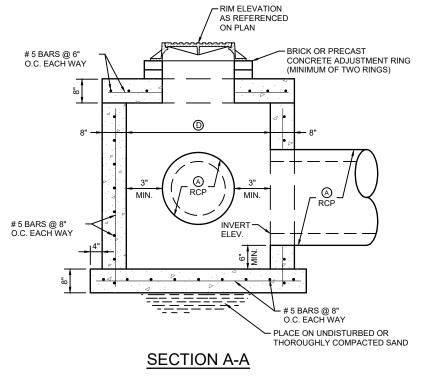
# YARD DRAIN & PVC RISER DETAIL



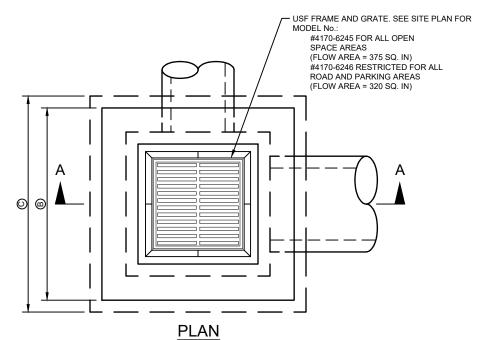
- 1.) IF THERE ARE ANY CONFLICTS OR DISCREPANCIES WITH THE LOCATIONS AND/OR SPECIFICATIONS BETWEEN THE ARCHITECT'S STRUCTURAL AND CIVIL PLANS, CONTRACTOR SHALL COORDINATE WITH THE CIVIL ENGINEER IMMEDIATELY. THE CONTRACTOR IS REQUIRED TO OBTAIN FROM THE CIVIL ENGINEER ANY DEVIATIONS PRIOR TO INSTALLATION.
- 2.) 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

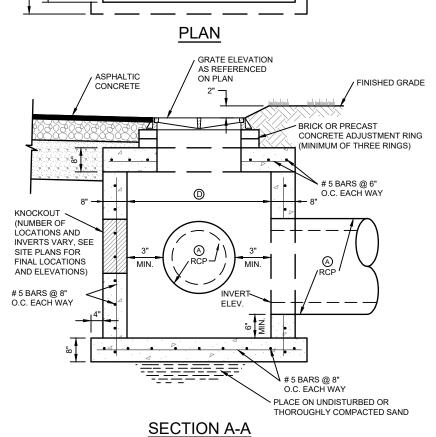
# **EXFILTRATION TRENCH SECTION** DETAIL





# JUNCTION BOX DETAIL





**GRATE INLET DETAIL** 

#### **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					
A	B	©	0		
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"	88"	96"	72"		
54"	94"	102"	78"		
60"	100"	108"	84"		
66"	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 PRE-CASTER'S DESIGN STANDARDS. HOWEVER, STRUCTURES SHALL BE DESIGNED TO MEET MINIMUM DIMENSIONS FOR THROAT AND SIDE INLETS AS SPECIFIED BY

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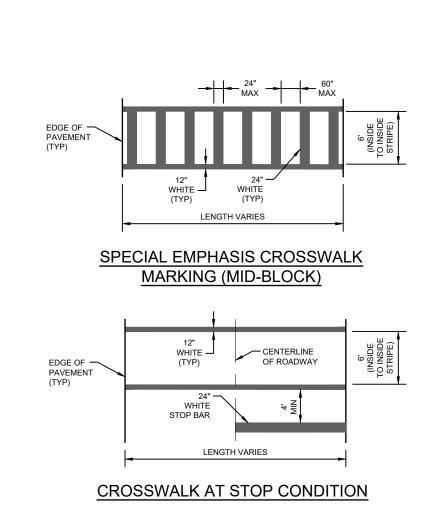
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DRAINAGE DETAILS

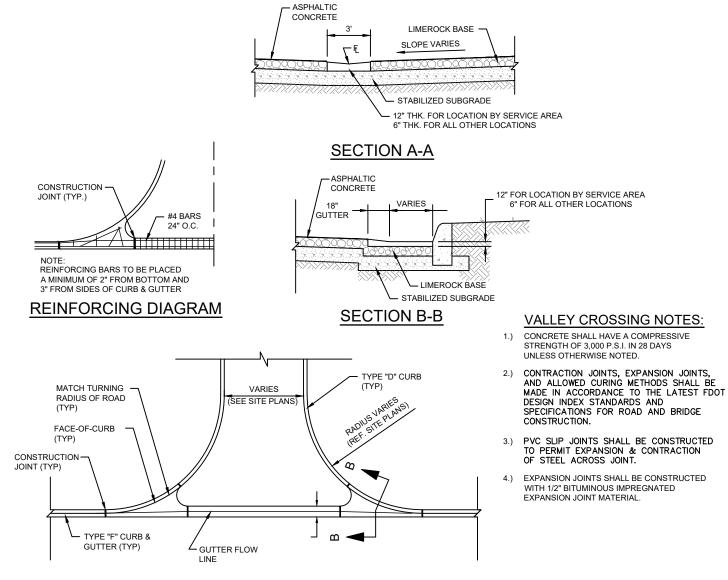
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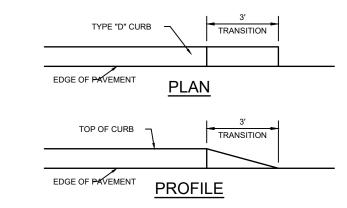


- 1.) ROADWAY SIGNAGE AND PAVEMENT MARKINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS (FDOT No. 711-001).
- 2.) TRAFFIC SIGNAGE AND PAVEMENT MARKINGS AS WELL AS ROADWAY DESIGN IS TO BE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

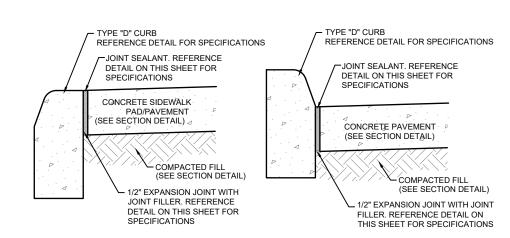
# ROADWAY SIGNAGE AND PAVEMENT MARKING DETAILS



# TYPICAL VALLEY GUTTER CROSSING DETAIL (FOR TYPE "F" CURB TO TYPE "D" CURB)

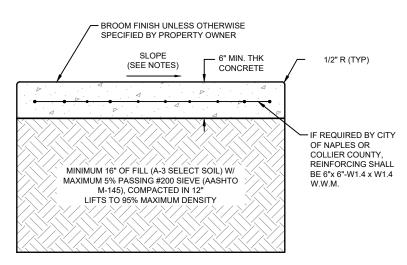


# TYPICAL TYPE "D" TRANSITION **CURB DETAIL**

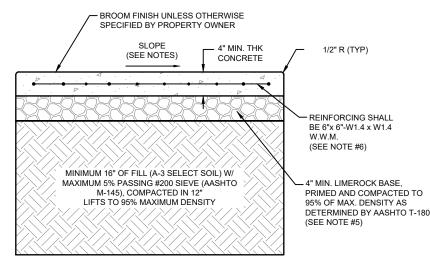


**CONCRETE PAVEMENT/CURB INTERFACE DETAILS** 

ORIGINAL SHEET - ANSI D



#### FOR CITY OF NAPLES AND COLLIER **COUNTY RIGHTS-OF-WAY**



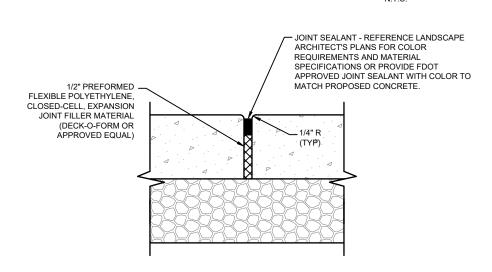
#### FOR ALL OTHER PROPOSED SIDEWALK AND PAD LOCATIONS

- 1.) CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 3,000 P.S.I. IN 28 DAYS, UNLESS OTHERWISE NOTED.
- 2.) LIMEROCK BASE SHALL BE COMPACTED TO A FIRM EVEN SURFACE, TRUE TO
- 3.) CONTRACTION JOINTS, EXPANSION JOINTS, AND ALLOWED CURING METHODS SHALL BE MADE IN ACCORDANCE WITH THE LATEST FDOT DESIGN INDEX STANDARDS AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- 4.) IN INSTANCES WHERE CONCRETE SIDEWALK OR PAVEMENT ADJOINS TOP-OF-CURB,
- CONTRACTOR SHALL INSTALL JOINT SEALANT IN ACCORDANCE TO LATEST FDOT
- 5.) CONTRACTOR MAY INSTALL 6" THICK REINFORCED CONCRETE SIDEWALK AS AN ACCEPTABLE ALTERNATE TO THE 4" THICK MINIMUM LIMEROCK BASE, AS SPECIFIED FOR
- 6.) CONTRACTOR MAY UTILIZE FIBERGLASS REINFORCING AS AN ACCEPTABLE ALTERNATE TO THE WELDED WIRE MESH (W.W.M.), AS SPECIFIED FOR THIS DETAIL. SPECIFICATIONS FOR FIBERGLASS REINFORCING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST FDOT
- STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 7.) SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST A.D.A.
- AND LATEST FDOT DESIGN INDEX STANDARDS No'S 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 FDOT DESIGN INDEX STANDARDS No. 522-002 AND FLORIDA BUILDING CODE, ACCESSIBILITY SECTION. DETECTABLE WARNING SURFACE SHALL BE TILE MOI DING OR A.D.A. CONCRETE PAVER BRICKS. AND WARNING SURFACE SHALL CONTRAST
- 9.) CONTRACTOR SHALL CONSTRUCT ALL CURB RAMPS AT A 14:1 SLOPE, AND SHALL BE NO STEEPER THAN THE MAX. SLOPE (8.3%) IN ACCORDANCE WITH THE LATEST FDOT DESIGN INDEX

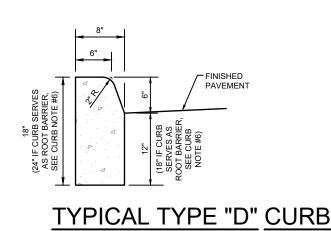
VISUALLY WITH THE ADJACENT WALKING SURFACES EITHER, LIGHT-ON-DARK, OR

10.) CONTRACTOR SHALL CONSTRUCT ALL SIDEWALKS SO THAT LONGITUDINAL SLOPES DO NOT EXCEED 20:1 (UNLESS HANDRAILS ARE PROVIDED), CROSS-SLOPES DO NOT EXCEED 50:1 (2% MAX), AND ALL LANDINGS OR TURN-AROUND AREAS (5' SQUARE MIN) SHALL NOT EXCEED 50:1 (2% MAX) SLOPE IN ALL DIRECTIONS PER FLORIDA BUILDING CODE, ACCESSIBILITY SECTION.

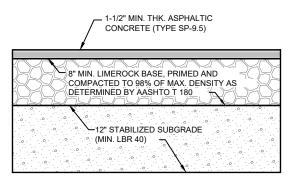
# TYPICAL CONCRETE SIDEWALK OR PAD SECTION DETAILS



# TYPICAL CONCRETE SIDEWALK, PAD OR PAVEMENT **EXPANSION JOINT DETAIL**



# DETAIL



#### FOR PARKING AISLES AND PARKING AREAS

- 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

TYPICAL ASPHALT PAVEMENT **ROADWAY SECTION DETAILS** 

- 2'-0" Detectable Warnings

─ 2'-0" Detectable Warnings

- Sidewalk Curb (Where Necessary)

Utility Strip

Crosswalk Width and Configuration Vary; Must Conform to Index 711-001.

3. For additional information on sidewalk

curb construction, see SIDEWALK CURB OPTIONS details, on Sheet 3.

2. 15' Radius Curve Shown for CR-L.

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

OPTION A

OPTION B

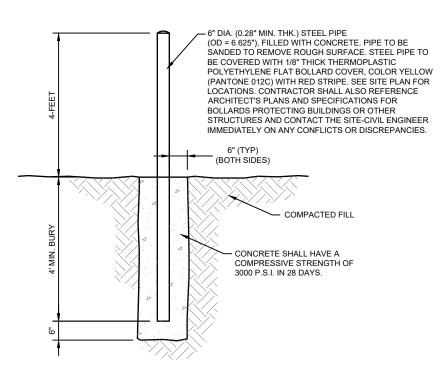
**ISOMETRIC** 

VIEW

PLAN VIEW

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Crosswalk



TYPICAL NON-DECORATIVE BOLLARD (VEHICULAR GUARD POST) DETAIL

Sidewalk

─ 2'-0" Detectable Warnings

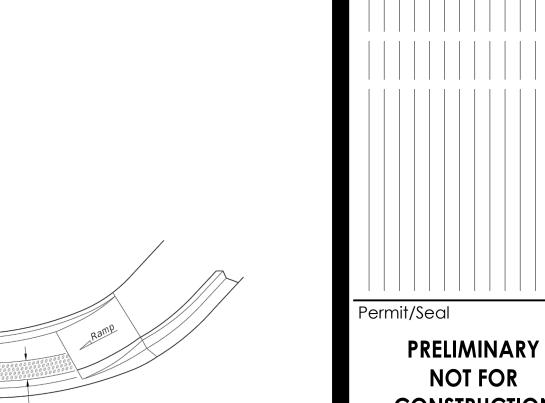
- Sidewalk Curb

ISOMETRIC

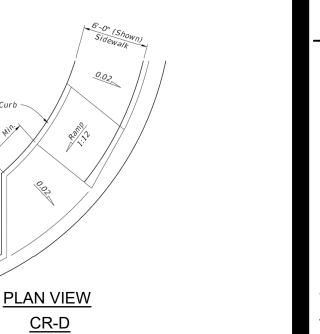
<u>VIEW</u>

**PLAN VIEW** 

CR-E



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─ 2'-0" Detectable Warnings

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 FDOT DESIGN INDEX STANDARDS No. 522-002 AND FLORIDA BUILDING CODE, ACCESSIBILITY SECTION. DETECTABLE WARNING SURFACE SHALL BE TILE MOLDING OR A.D.A. CONCRETE PAVER BRICKS, AND WARNING

- MAX. SLOPE (8.3%) IN ACCORDANCE WITH THE LATEST FDOT DESIGN INDEX STANDARDS No. 522-002. 3.) CONTRACTOR SHALL CONSTRUCT ALL SIDEWALKS SO THAT LONGITUDINAL SLOPES DO NOT EXCEED 20:1 (UNLESS HANDRAILS ARE PROVIDED), CROSS-SLOPES DO NOT EXCEED 50:1 (2% MAX), AND ALL LANDINGS OR TURN-AROUND AREAS (5' SQUARE MIN) SHALL NOT EXCEED 50:1 (2% MAX) SLOPE IN ALL DIRECTIONS PER FLORIDA BUILDING CODE, ACCESSIBILITY SECTION.
- 4.) REFERENCE FDOT DESIGN INDEX No.'S 520-001, 522-001 AND 522-002, LATEST REVISION STANDARDS FOR

INDEX NO. 522-002 DETAIL

**ISOMETRIC** 

VIEW

Sidewalk Curb -

SURFACE SHALL CONTRAST VISUALLY WITH THE ADJACENT WALKING SURFACES EITHER, LIGHT-ON-DARK, OR 2.) CONTRACTOR SHALL CONSTRUCT ALL CURB RAMPS AT A 14:1 SLOPE, AND SHALL BE NO STEEPER THAN THE

SIDEWALK CURB RAMP FDOT

CONSTRUCTION

34102

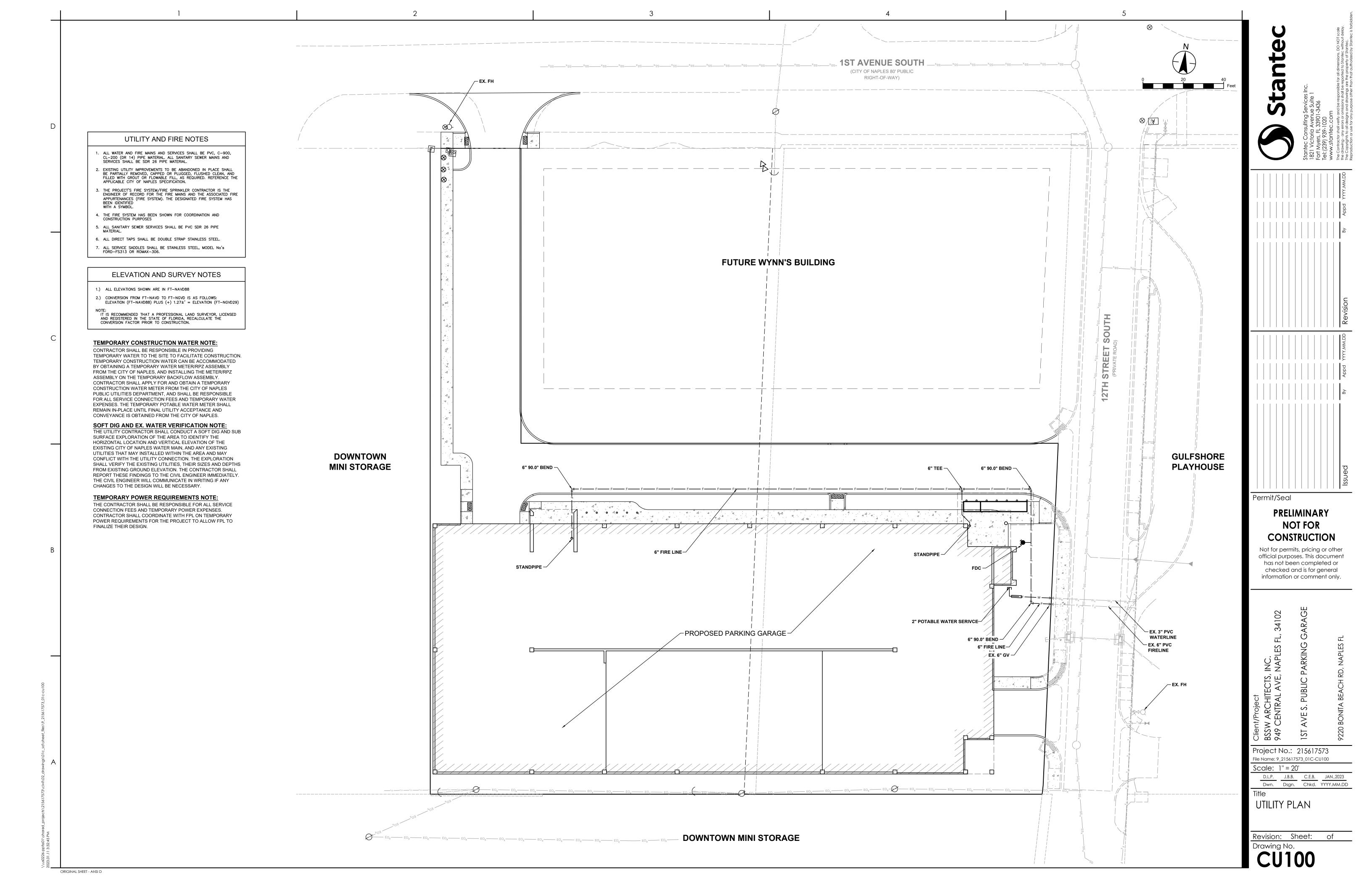
Project No.: 215617573 File Name: 8\_215617573\_01C-CG501

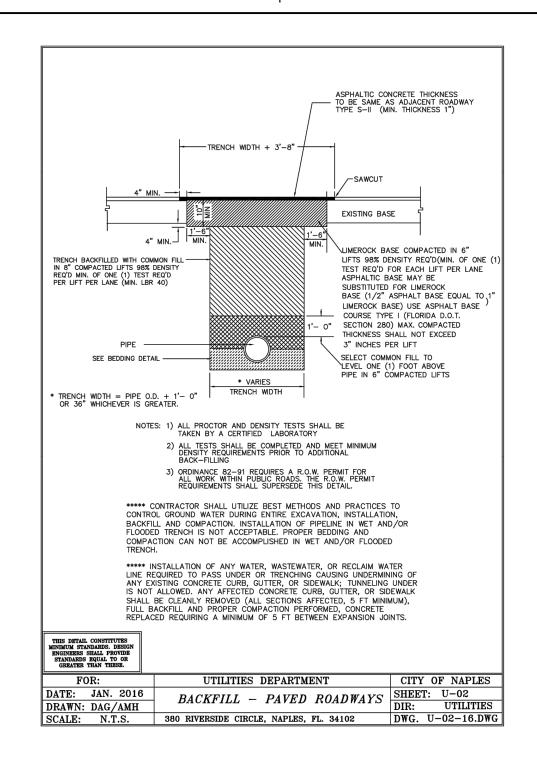
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Dwn. Dsgn. Chkd. YYYY.MM.DD

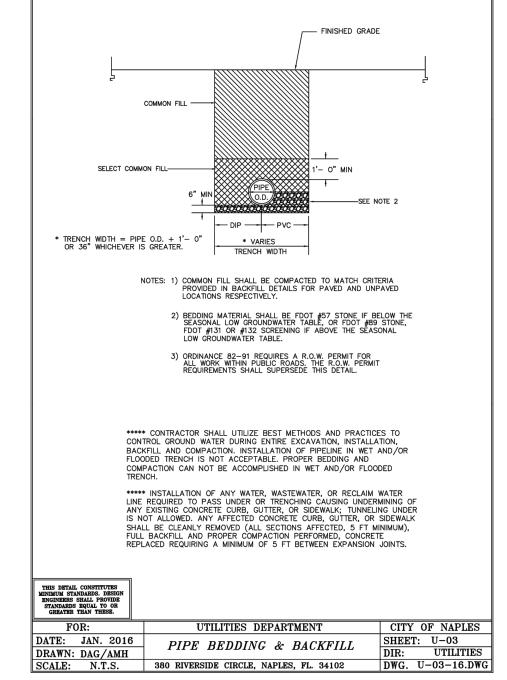
PAVING DETAILS

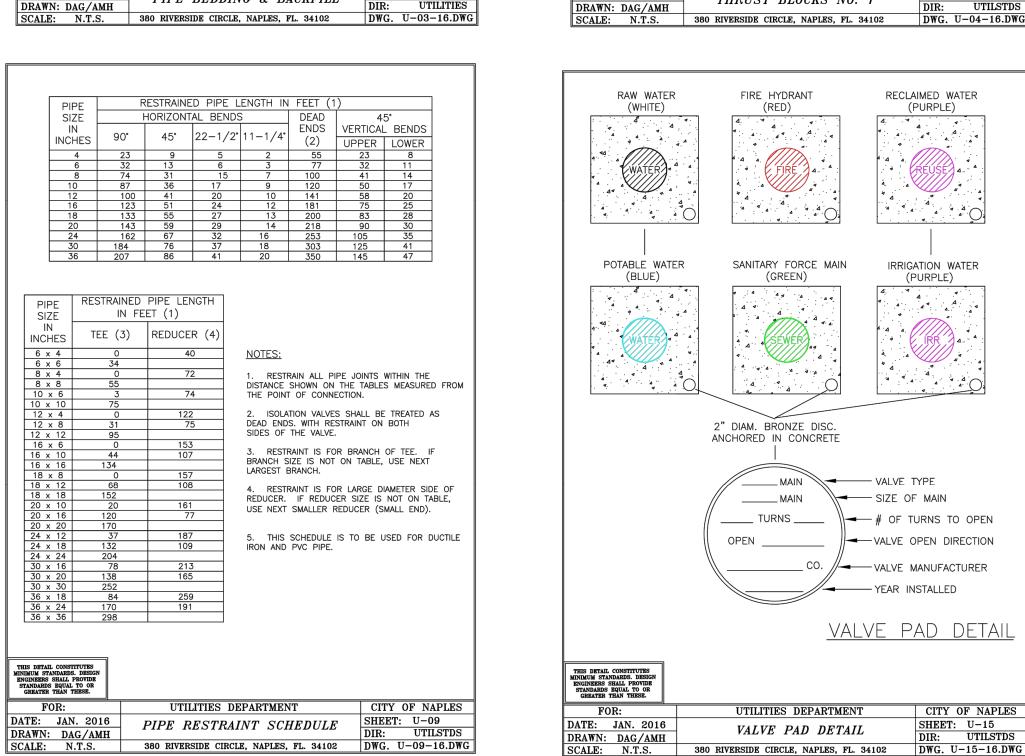
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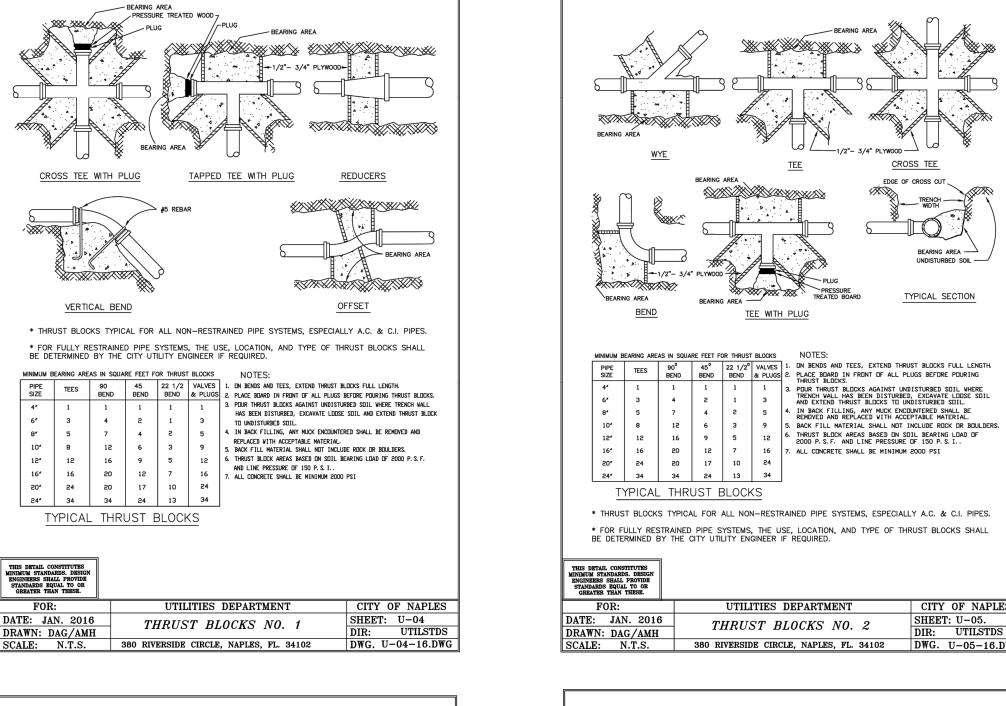
Drawing No.











RECLAIMED WATER

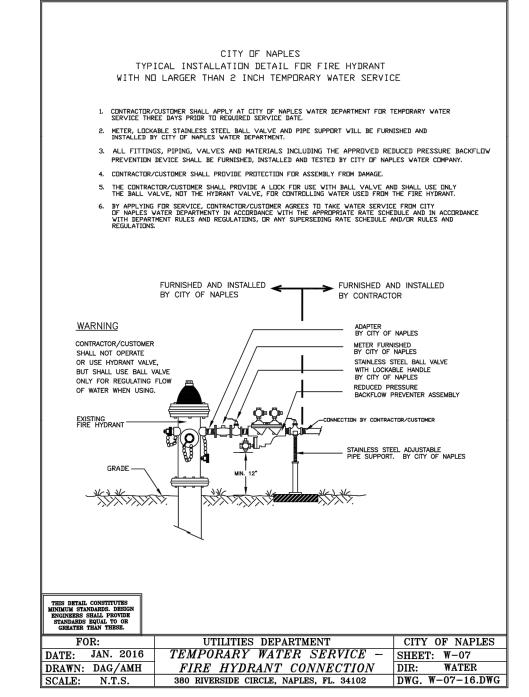
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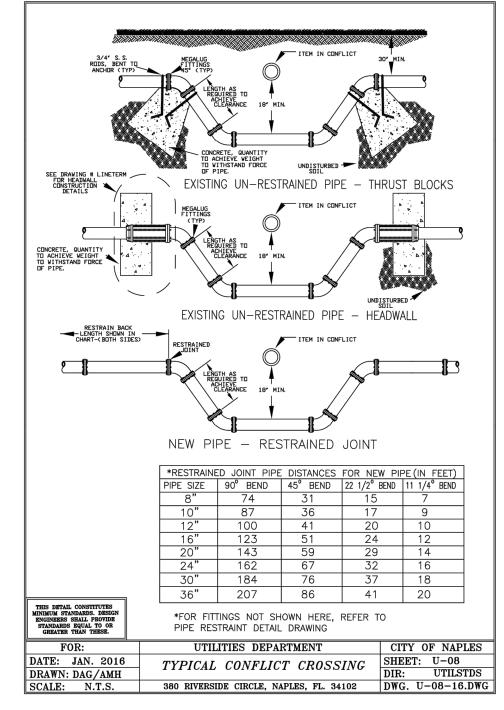
IRRIGATION WATER

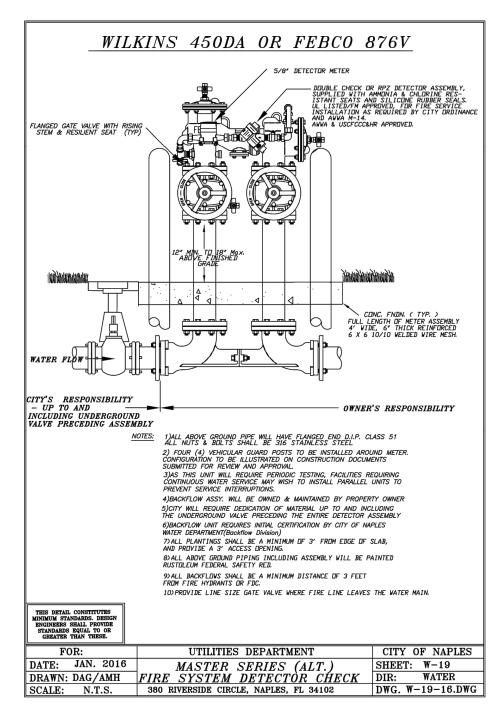
SHEET: U-15

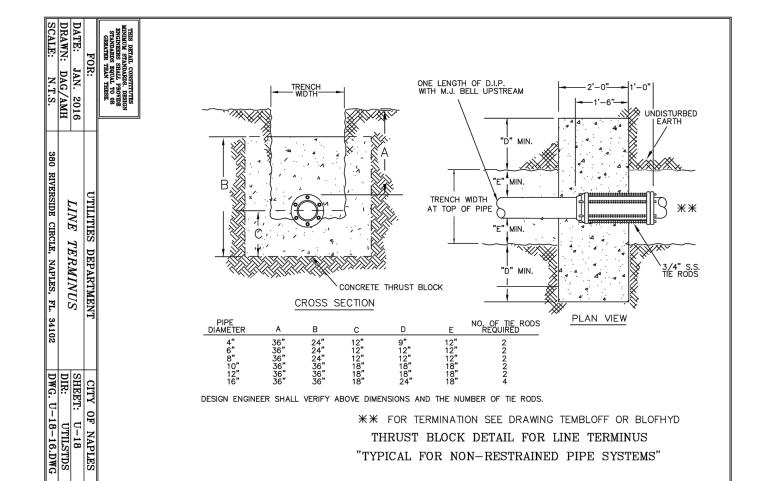
UTILSTDS

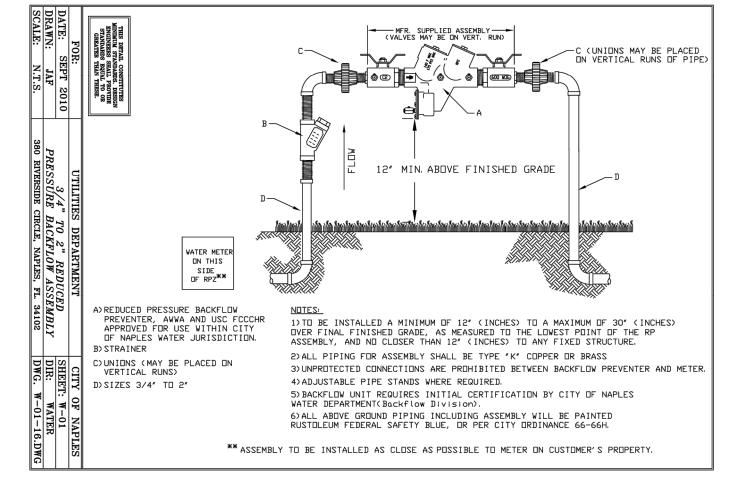
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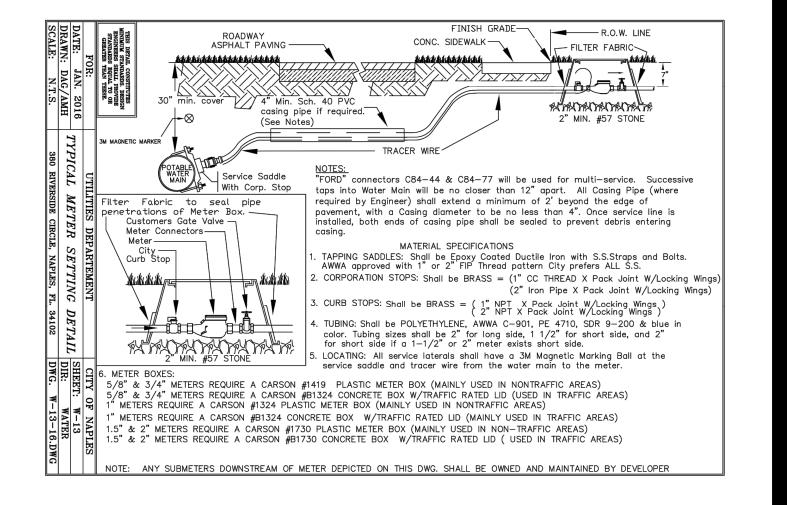


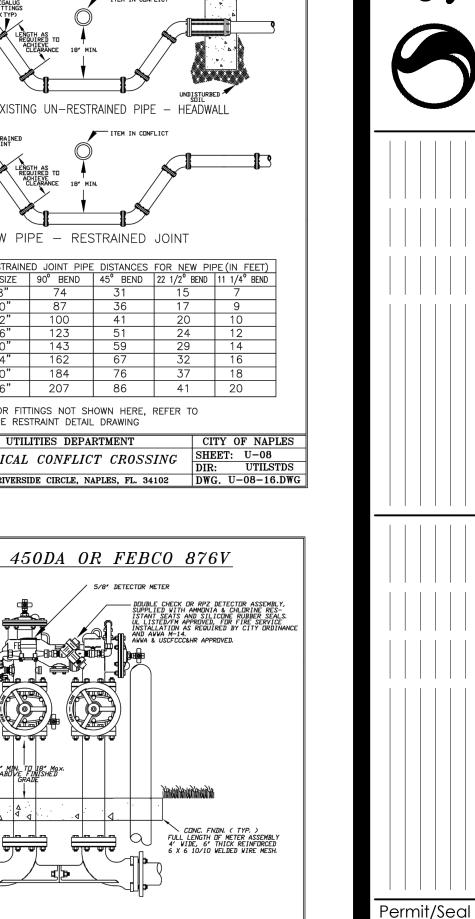












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34102 BSS 949

Project No.: 215617573 File Name: 10\_215617573\_01C-CU501 Scale: N/A

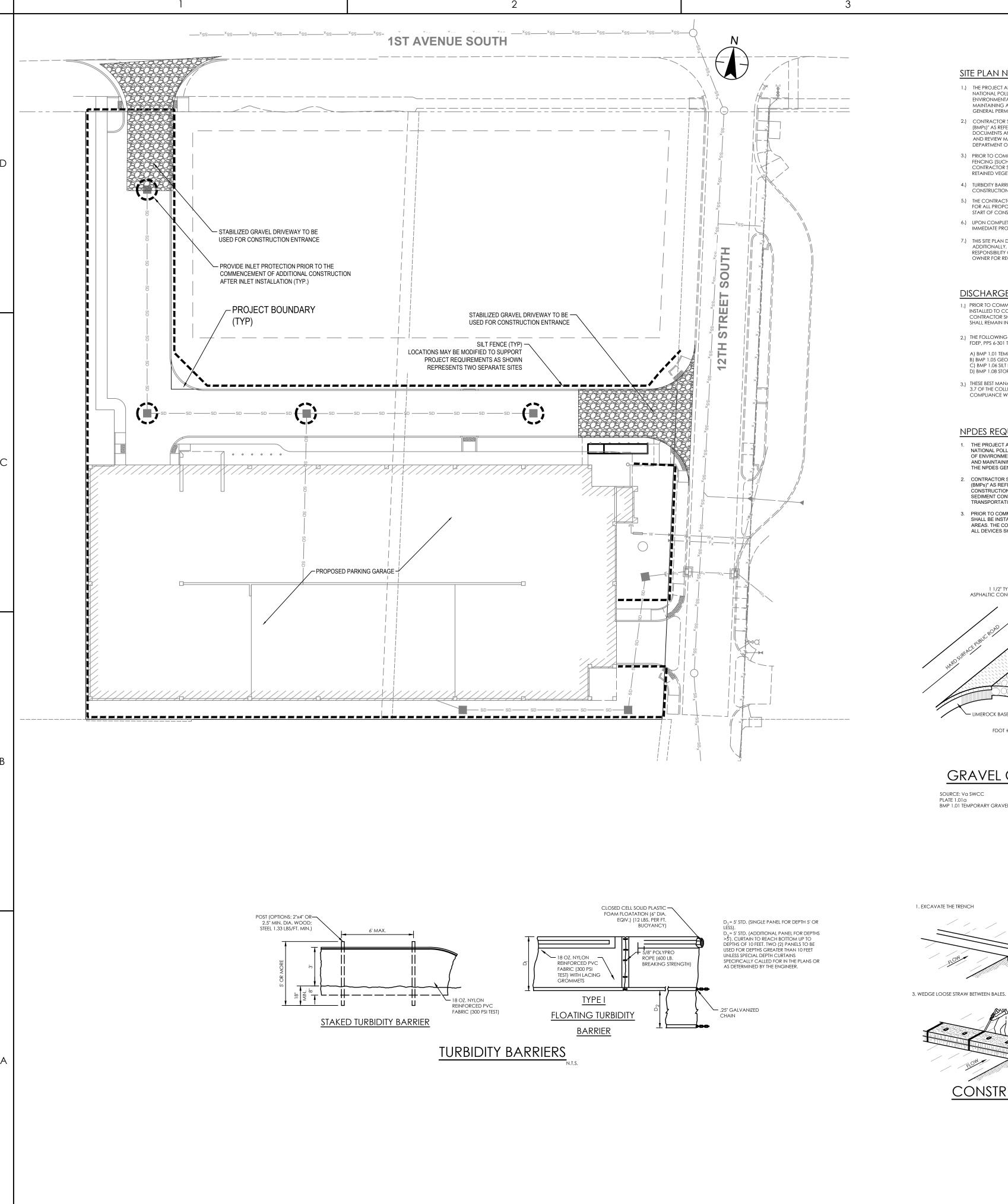
D.L.P. J.B.B. C.E.B. JAN.,2023
Dwn. Dsgn. Chkd. YYYY.MM.DD

GENERAL AND WATER DETAILS

Revision: Sheet: of

Drawing No.

ORIGINAL SHEET - ANSI D



ORIGINAL SHEET - ANSI D

#### 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
- 2.) CONTRACTOR SHALL EMPLOY METHODS IN ACCORDANCE WITH "CONTROLS OR BEST MANAGEMENT PRACTICES (BMPs)" 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 DRIPLINES 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
- 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.

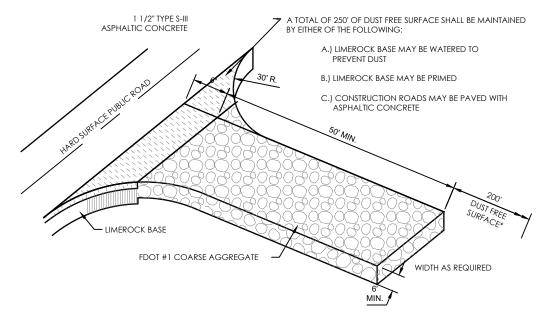
  ADDITIONALLY, THE PROJECT MAY REQUIRE OTHER TEMPORARY ACCESS AND CONTROL MEASURES, AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE CONSTRUCTION MANAGER AND PROPERTY OWNER FOR REQUIREMENTS PRIOR TO THE BIDDING PHASE OF THE PROJECT, AND IMPLEMENT AS CONTRACTED.

#### **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, FDEP, PPS 6-301 TO 6-500).
- 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 (BMPs)" 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 RANSPORTATION (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.



## GRAVEL CONSTRUCTION ENTRANCE

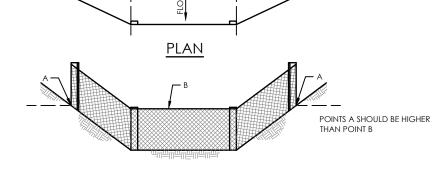
CONSTRUCTION OF A GEO-HAY BALE

**BARRIER** 

2. PLACE AND STAKE GEO-HAY BALES.

4. BACKFILL AND COMPACT THE EXCAVATED SOIL.

SOURCE: Va SWCC PLATE 1.01a BMP 1.01 TEMPORARY GRAVEL CONSTRUCTION ENTRANCE



#### **ELEVATION**

# PROPER PLACEMENT OF A FILTER BARRIER IN A DRAINAGE WAY

PLATE 1.06b BMP 1.06 SILT FENCE

TWO (2) STAKES PER BALE

FILTERED WATER

PLATE 1.08a

BMP 1.08 STORM INLET DRAIN PROTECTION

- STAKED GEO-HAY BALE

THIS METHOD OF INI ET PROTECTION IS APPLICABLE WHERE THE INI ET DRAINS A RELATIVELY ELAT AREA (SLOPES NO

GEO-HAY BALE DROP INLET

SEDIMENT FILTER

GREATER THAN 5 PERCENT) WHERE SHEET OR OVERLAND FLOWS (NOT EXCEEDING 0.5 cfs) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS IN STREET OR HIGHWAY MEDIANS.

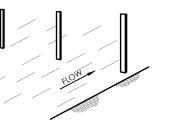
WOODEN STAKE

COMPACTED SOIL TO -

MICHIGAN SOIL EROSION AND SEDIMENTATION

RUNOFF WATER -

1. SET THE STAKES



3. STAPLE FILTER MATERIAL TO STAKES AND EXTEND IT INTO THE TRENCH.

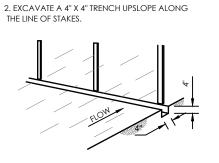
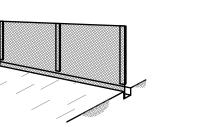


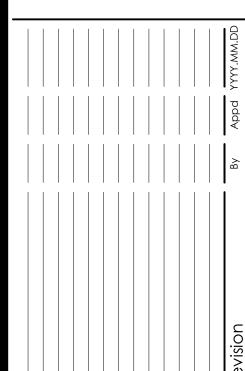
PLATE 1.06a

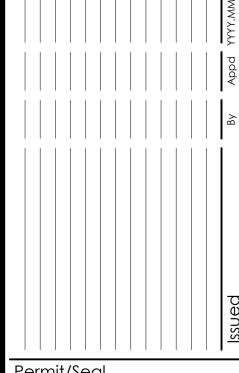
4. BACKFILL AND COMPACT THE EXCAVATED SOIL.



CONSTRUCTION OF A FILTER BARRIER







Permit/Seal

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BSSW ARCHITECTS, INC. 949 CENTRAL AVE, NAPLES FL, 34102	1ST AVE S. PUBLIC PARKING GARAGE	
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Project No.: 215617573 File Name: 11\_215617573\_01C-CE100

Scale: 1" = 30' D.L.P. J.B.B. C.E.B. JAN.,2023
Dwn. Dsgn. Chkd. YYYY.MM.DD

**EROSION CONTROL** PLAN AND DETAILS

Revision: Sheet: of Drawing No.