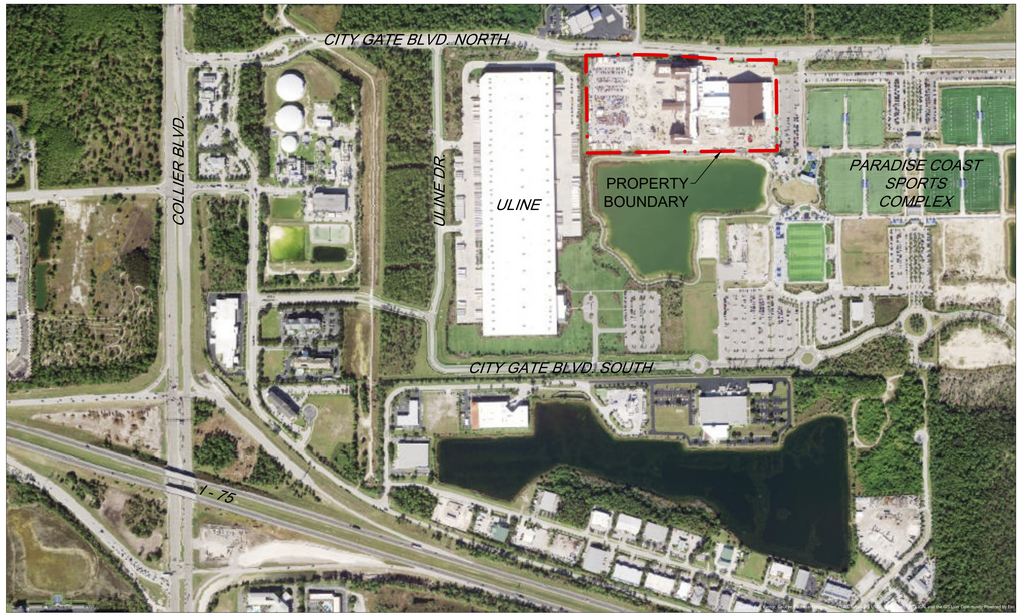
INSUBSTANTIAL CHANGE TO SITE DEVELOPMENT PLAN
AMENDMENT PL NO. 20220003180
GREAT WOLF LODGE
SDP PL NO. 20210000512, SDPI PL NO. 20230016364, SDPI PL NO. 20240004051
SECTION 35, TOWNSHIP 49 SOUTH, RANGE 26 EAST
COLLIER COUNTY, FL



SCALE: 0 500' 1000'

VICINITY MAP



SCALE: 0 250' 500'

LOCATION MAP

INDEX OF PLANS	
SHEET #	DRAWING TITLE
CG - 00.01	COVER SHEET
CG - 00.02	NOTES AND LEGEND SHEET
CG - 10.00	EXISTING CONDITIONS AND DEMOLITION PLAN
CG - 20.00	SITE AND GRADING PLAN
CG - 25.00	SITE AND EROSION CONTROL DETAILS

OWNER / DEVELOPER

GWR NAPLES, LLC

350 N. ORLEANS ST.,
SUITE 10000B
CHICAGO, IL 60654

BUILDING SUMMARY:

LEGAL DESCRIPTION:

LOT 10 OF CITY GATE COMMERCE PARK PHASE THREE REPLAT NO. 5, AS RECORDED IN PLAT BOOK 69, PAGE 25 AND 26 OF THE PUBLIC RECORDS OF COLLIER COUNTY, FLORIDA

PROJECT INFORMATION:

PL NUMBER:	TBD
FOLIO NUMBER:	26095006420
SFWMD ERP NUMBER:	11-105286-P
ZONED:	CITY GATE COMMERCE PARK PUD (ORD. 21-15)

CIVILGEAR
CIVIL ENGINEERING · GEARED TO EVOLVE
2950 TAMIAMI TRAIL NORTH
NAPLES, FLORIDA
SUITE 202
239.799.3200
WWW.CIVILGEARFL.COM

PROJECT:
GREAT WOLF LODGE

TITLE:
COVER SHEET

CLIENT:
GWR NAPLES, LLC

REVISIONS

NO.	REVISION	DATE

PROFESSIONAL SEALS:

PROFESSIONAL ENGINEER: CARL M. THRUSHMAN
FLORIDA LICENSE NUMBER: 86499
FLORIDA ENGINEERING BUSINESS LIC. NO: 38311

PROJECT NOTES:

SCALE: AS NOTED

SECT: 35 TWP: 49 S RGE: 26 E

DRAWING NUMBER:
CG - 00.01

DEFINITIONS

OWNER - GWR NAPLES, LLC

PROJECT - GREAT WOLF LODGE

DEVELOPMENT SERVICES / BUILDING DEPARTMENT - COLLIER COUNTY

COUNTY - COLLIER COUNTY

CITY - N/A

UTILITY - COLLIER COUNTY (POTABLE WATER) AND COLLIER COUNTY (SANITARY SEWER) OR COLLIER COUNTY UTILITIES DIVISION AND COLLIER COUNTY ENGINEERING REVIEW SERVICES.

DRY UTILITIES - FPL, COMCAST, CENTURY LINK

CONTRACTOR - GENERAL / PRIME CONTRACTOR

UNDERGROUND CONTRACTOR - THE UNDERGROUND UTILITY CONTRACTOR AND ALL UTILITY SUBCONTRACTORS.

PAVING CONTRACTOR - THE PAVING CONTRACTOR AND ALL SUBCONTRACTORS PROVIDING MATERIALS AND SERVICES INCLUDING FILL, LIMEROCK, CURBING AND SIDEWALKS.

ENGINEER - OWNER'S ENGINEER RESPONSIBLE FOR INSPECTION AND CERTIFICATION (CIVILGEAR)

SURVEYOR - OWNER'S SURVEYOR RESPONSIBLE FOR CONSTRUCTION STAKE-OUT AND VERIFICATION OF RECORD DRAWING INFORMATION.

FIRE DISTRICT - GREATER NAPLES FIRE RESCUE DISTRICT

GENERAL PROCEDURES

1. CONTRACTOR SHALL BE RESPONSIBLE IN COORDINATING WITH THE FOLLOWING RESPECTIVE UTILITY COMPANIES AND AGENCIES FOR COORDINATION OF SERVICES AND CONNECTIONS FOR THE PROJECT. ADDITIONALLY, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE AGENCY OR UTILITY COMPANY PRIOR TO COMMENCING WORK WITHIN ANY AGENCY OR UTILITY COMPANY'S DISTRICT.

COLLIER COUNTY:	(239) 252-6820
FLORIDA POWER & LIGHT:	(239) 353-6008
COMCAST:	(239) 415-4742
CENTURY LINK:	(239) 263-6223
GREATER NAPLES FIRE RESCUE DISTRICT:	(239) 348-7540

2. A PRE-CONSTRUCTION MEETING IS TO BE HELD PRIOR TO DELIVERY OF MATERIALS AND INITIATION OF ANY WATER AND SEWER CONSTRUCTION. THE MEETING SHALL BE ATTENDED BY THE UTILITY, DEVELOPMENT SERVICES / BUILDING DEPARTMENT, THE CONTRACTOR, THE UNDERGROUND CONTRACTOR, PAVING CONTRACTOR, ENGINEER AND OTHER INTERESTED PARTIES.
3. THREE (3) OR MORE COPIES OF THE CURRENT APPROVED PRODUCT LIST AND ALL NECESSARY SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO SCHEDULING OF THE PRE-CONSTRUCTION MEETING.
4. ALL MATERIALS SUPPLIED SHALL CONFORM TO PRODUCT LIST AND SHOP DRAWINGS AS APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION. SUBSTITUTE MATERIALS SHALL NOT BE APPROVED AFTER DELIVERY TO THE JOB SITE. ALL REQUESTS FOR MATERIAL SUBSTITUTION SHALL BE APPROVED PRIOR TO DELIVERY OF THESE MATERIALS TO THE JOB SITE.
5. ALL APPLICABLE PERMITS MUST BE OBTAINED PRIOR TO COMMENCEMENT OF CONSTRUCTION (FDEP, THE COUNTY, THE CITY, RIGHT-OF-WAY, BLASTING, DEWATERING, ETC.)
6. SEQUENCE OF CONSTRUCTION - UNLESS OTHERWISE NOTED, SEQUENCE OF CONSTRUCTION SHALL BE SUCH THAT ALL UNDERGROUND UTILITIES SHALL BE INSTALLED PRIOR TO ROADWAY CONSTRUCTION.
7. ALL CONTRACTORS SHALL MAINTAIN A CURRENT APPROVED SET OF CONSTRUCTION PLANS ON-SITE.
8. THE CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING LOCATIONS FOR ALL EXISTING PUBLIC AND PRIVATE UTILITY FACILITIES.
9. THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THE APPROVED PLANS ARE TO BE VERIFIED IN THE FIELD BY THE CONTRACTORS. APPROVAL OF DEVELOPMENT PLANS BY THE UTILITY IN NO WAY IMPLIES VERIFICATION OF THE ACCURACY OF THOSE PLANS OR FEATURES DEPICTED THEREON. ANY DISCREPANCY IN OR VARIATION FROM THE APPROVED PLANS IS TO BE BROUGHT TO THE ATTENTION OF THE UTILITY BY THE ENGINEER AND CONTRACTORS.
10. THE CONTRACTORS SHALL BE RESPONSIBLE AT ALL TIMES THROUGH THE DURATION OF CONSTRUCTION FOR THE PROTECTION OF EXISTING AND NEWLY INSTALLED UTILITIES FROM DAMAGE OR DISRUPTION OF SERVICE. THE CONTRACTORS SHALL BE RESPONSIBLE FOR TAKING SUCH MEASURES AS NECESSARY TO PROTECT THE HEALTH, SAFETY AND WELFARE OF THOSE PERSONS HAVING ACCESS TO THE WORK SITE.
11. THE CONTRACTORS SHALL SCHEDULE INSPECTIONS AND TESTS WITH THE DEVELOPMENT SERVICES, THE CITY AND THE COUNTY, AS REQUIRED, A MINIMUM OF 48 HOURS IN ADVANCE AND NOTIFY ENGINEER 48 HOURS IN ADVANCE.
12. NO CONNECTION TO, OR ANY OTHER CONSTRUCTION SHALL BE PERFORMED ON AN EXISTING UTILITY MAIN OR STRUCTURE WITHOUT THE PRESENCE OF A THE DEVELOPMENT SERVICES UTILITY INSPECTOR.
13. FACILITIES PROPOSED HEREIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLANS, THE UTILITY, AND THE DEVELOPMENT SERVICES / BUILDING DEPARTMENT TECHNICAL STANDARDS AND SPECIFICATIONS. CONFLICTS BETWEEN THE PRECEDING DOCUMENTS SHOULD BE CALLED TO THE ATTENTION OF THE UTILITY FOR RESOLUTION. DEVIATIONS FROM THE APPROVED PLANS MUST BE APPROVED IN ADVANCE BY THE UTILITY.
14. ANY DEVIATIONS FROM THE APPROVED PLANS MUST HAVE PRIOR WRITTEN APPROVAL FROM OWNER, ENGINEER AND APPROVING AGENCY.
15. RECORD DRAWINGS - THE SURVEYOR SHALL PROVIDE A COMPLETE SET OF "AS-BUILT" INFORMATION RELATIVE TO LOCATION OF THE STORM INLETS AND SANITARY MANHOLES AS WELL AS INVERTS AND RIM ELEVATIONS, AND ANY OTHER CHANGES.
16. UPON COMPLETION OF CONSTRUCTION, A FINAL INSPECTION SHALL VERIFY PROPER ADHERENCE TO ALL FACETS OF THE PLANS AND SPECIFICATIONS.
17. GUARANTEE - ALL MATERIAL AND EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTORS UNDER THEIR CONTRACT SHALL BE GUARANTEED FOR A PERIOD OF AT LEAST ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE THEREOF, AGAINST DEFECTIVE MATERIALS, DESIGN AND WORKMANSHIP. UPON RECEIPT OF NOTICE FROM THE OWNER OF FAILURE OF ANY PART OF THE GUARANTEED EQUIPMENT OR MATERIALS, DURING THE GUARANTY PERIOD. THE AFFECTED PART, PARTS, OR MATERIALS SHALL BE REPLACED PROMPTLY WITH NEW PARTS OR MATERIALS BY THE CONTRACTOR, AT NO EXPENSE TO THE OWNER. IN THE EVENT THE CONTRACTOR FAILS TO MAKE THE NECESSARY REPLACEMENT OR REPAIRS WITHIN SEVEN DAYS AFTER NOTIFICATION BY THE OWNER. THE OWNER MAY ACCOMPLISH THE WORK AT THE EXPENSE OF THE CONTRACTOR.
18. ANY WELLS DISCOVERED DURING EARTH MOVING OR EXCAVATION SHALL BE REPORTED TO THE OWNER AND ENGINEER WITHIN 24 HOURS AFTER DISCOVERY IS MADE.

ZONING SUMMARY

1. CURRENTLY ZONED: CG PUD (ORD. 21-15)
2. ADJACENT ZONING:
   NORTH = CG PUD (ORD. 21-15)
   SOUTH = CG PUD (ORD. 21-15)
   EAST = CG PUD (ORD. 21-15)
   WEST = CG PUD (ORD. 21-15)

GENERAL NOTES

1. ALL INVERTS AND ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM OF 1988).
2. THE INFORMATION PROPOSED IN THIS PLAN IS BASED ON THE LATEST FIELD INFORMATION AND AVAILABLE RECORD DRAWING INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THIS INFORMATION PRIOR TO COMMENCEMENT OF CONSTRUCTION AND PROVIDE IN WRITING ANY DISCREPANCIES TO THE ENGINEER.
3. THIS PLAN IS NOT INTENDED TO BE ALL INCLUSIVE OF EXISTING FACILITIES OR MATERIALS TO BE REMOVED. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF EXISTING CONDITIONS WITH REGARDS TO SITE MODIFICATIONS NECESSARY TO ACCOMMODATE THE PROPOSED IMPROVEMENTS. ALL ITEMS TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED AT THE EXPENSE OF THE CONTRACTOR, INCLUDING ALL DUMPING FEES, UNLESS OTHERWISE NOTED.
4. ALL MATERIALS AND CONSTRUCTION METHODS USED FOR THE PROPOSED IMPROVEMENTS SHALL CONFORM TO THE APPROVED TECHNICAL SPECIFICATIONS, AND ALL FEDERAL, STATE AND LOCAL REGULATIONS.
5. THE REVIEW AND APPROVAL OF THESE IMPROVEMENT PLANS DOES NOT AUTHORIZE THE CONSTRUCTION OF REQUIRED IMPROVEMENTS WHICH ARE INCONSISTENT WITH EXISTING EASEMENTS OF RECORD.
6. ALL SOLID WASTE FOR THE PROJECT IS TO BE PICKED UP AND DISPOSED OF BY WASTE MANAGEMENT SERVICES.
7. ALL PROJECT SIGNS SHALL BE IN ACCORDANCE WITH THE P.U.D. (IF APPLICABLE) AND THE DEVELOPMENT SERVICES / BUILDING DEPARTMENT LAND DEVELOPMENT CODE.
8. OWNER HAS THE DISCRETION OF USING CONCRETE PAVER BRICKS IN PLACE OF CONCRETE SIDEWALK. PAVING CONTRACTOR SHALL REFERENCE LANDSCAPE ARCHITECT, ARCHITECT PLANS, OR OWNER, FOR PAVER BRICK FINAL LOCATIONS, THICKNESS, SIZE, COLOR, PATTERN, AND SPECIFICATIONS. CONCRETE PAVER BRICK SEALANT OR REPELLENT MAY BE USED AT OWNER'S DISCRETION. IF THERE ARE ANY DISCREPANCIES BETWEEN PLANS AND SPECIFICATIONS AND ENGINEER'S PLANS, CONTRACTOR SHALL REPORT DISCREPANCY TO ENGINEER.
9. ALL PVC STORM DRAIN PIPES SHALL BE COLOR WHITE SDR 26, OR APPROVED EQUAL, UNLESS OTHERWISE NOTED IN THE PLANS
10. THE LIGHTING POLES AND LUMINARIES SHOWN ON THESE DRAWINGS ARE FOR ILLUSTRATIVE PURPOSES ONLY AND SHOULD NOT BE USED FOR CONSTRUCTION. FINAL LIGHTING POLE LOCATION AND LUMINARY TYPE MAY VARY AND WILL BE COORDINATED WITH OWNER'S ELECTRICAL ENGINEER. POLE LOCATIONS SHOULD MAINTAIN A MINIMUM HORIZONTAL SEPARATION OF FIVE FEET FROM UNDERGROUND UTILITY MAINS.
11. SIGN AND FLAG POLE PERMITS MUST BE APPLIED FOR SEPARATELY FROM THIS SDP, AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
12. ALL SIDEWALKS AND SIDEWALK CROSSINGS FOR ROADSIDE SIDEWALKS AND ACCESSIBLE ROUTES SHALL BE CONSTRUCTED IN ACCORDANCE WITH FDOT INDEX 522-001 AND 522-002, THE AMERICANS WITH DISABILITIES ACT (ADA), AND THE FLORIDA ACCESSIBILITY CODE AT CURBS, GUTTERS, SIDEWALKS, INTERSECTIONS, ETC.

OWNER RESPONSIBILITY NOTES

1. OWNER, ITS SUCCESSORS OR ASSIGNS, SHALL BE RESPONSIBLE FOR PERPETUAL MAINTENANCE OF ALL FEATURES OF THE SURFACE WATER MANAGEMENT SYSTEM AS OUTLINED BY THE DESIGN ENGINEER ON THESE DRAWINGS.
2. THE PROPERTY OWNER IS RESPONSIBLE FOR THE REPLACEMENT OF ALL DEAD LANDSCAPE MATERIAL AND FOR THE MAINTENANCE OF THE REQUIRED IRRIGATION SYSTEM.
3. OWNER, ITS SUCCESSORS OR ASSIGNS SHALL BE RESPONSIBLE FOR ANNUAL EXOTIC VEGETATION REMOVAL, AS DEFINED BY THE DEVELOPMENT SERVICES ORDINANCE UPON COMPLETION AND ACCEPTANCE OF WORK REQUIREMENT IN THIS CONTRACT.
4. OWNER, ITS SUCCESSORS OR ASSIGNS SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE SITE INFRASTRUCTURE, OPEN SPACE, AND PAVED AREAS.

CONTRACTOR RESPONSIBILITY NOTES

1. THE CITY, COUNTY, UTILITY, DRY UTILITIES, AND FDOT MAY HAVE EXISTING UTILITIES ADJACENT TO THIS PROPOSED CONSTRUCTION. CONTRACTOR SHALL CONTACT THE RESPECTIVE UTILITIES TO LOCATE THEIR FACILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY DEVIATION IN PLAN INFORMATION SHALL BE REPORTED TO ENGINEER IMMEDIATELY.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COPIES OF AND COMPLYING WITH ALL PERMITS OBTAINED BY THE OWNER.
4. CONTRACTOR IS REQUIRED TO OBTAIN FROM THE ENGINEER WRITTEN APPROVAL FOR ANY DEVIATIONS FROM THE PLANS AND/OR SPECIFICATIONS.
5. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE COUNTY GROUNDWATER PROTECTION ORDINANCE.
6. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A COPY OF THE APPROVED DEWATERING PERMIT FROM SOUTH FLORIDA WATER MANAGEMENT DISTRICT AS REQUIRED.
7. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A BLASTING PERMIT, IF REQUIRED.
8. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT FROM THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY. ACCORDINGLY, THE CONTRACTOR IS ALSO RESPONSIBLE FOR CREATING, IMPLEMENTING AND MAINTAINING A STORM WATER POLLUTION PREVENTION PLAN AS PER THE REQUIREMENTS OF THE NPDES GENERAL PERMIT.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AND USAGE OF THE EXISTING STREETS ADJACENT TO THE PROJECT. ALL TRAFFIC MAINTENANCE CONTROLS SHALL BE IN ACCORDANCE WITH FLORIDA MANUAL OF TRAFFIC CONTROL AND SAFE PRACTICES FOR STREET CONSTRUCTION, MAINTENANCE, AND UTILITY OPERATIONS.
10. THE CONTRACTOR SHALL REPAIR AND REPLACE ALL AREAS DISTURBED BY CONSTRUCTION TO EXISTING CONDITIONS.
11. THE CONTRACTOR SHALL PROVIDE 48 HOURS WRITTEN NOTICE TO THE ENGINEER, OWNER AND COUNTY PRIOR TO THE FOLLOWING:
    A. COMMENCEMENT.
    B. CHANGES TO APPROVED SCHEDULES, SUBCONTRACTORS, OR RESIDENT SUPERINTENDENT
    C. GENERAL
       C.1. COMPACTION
       C.2. TRENCH DENSITY
       C.3. ROADWAY STRINGLINE
       C.4. PAVING (INCLUDING SIDEWALK AND CURBING)
       C.5. PRELIMINARY AND FINAL INSPECTIONS
    D. OTHERS AS MAY BE REQUIRED BY OWNER, COUNTY AND ENGINEER.
12. CONTRACTOR SHALL REFERENCE PLANS FOR ADDITIONAL SHOP DRAWINGS REQUESTS, PARTICULARLY FOR STRUCTURES REQUIRING SPECIAL DETAILS AND SPECIFICATIONS WHICH ARE TO BE PROVIDED BY A STRUCTURAL ENGINEER.
13. THE CONTRACTOR SHALL RETAIN THE SERVICES OF A LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA TO STAKE-OUT THE LOCATION OF ALL PROPOSED WATER, AND SEWER LINES AND INFRASTRUCTURE SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL OBTAIN A COPY OF THE FINAL UTILITY DRAWINGS, IN CAD FORMAT, FROM THE ENGINEER AND PROVIDE THAT DOCUMENTATION TO THE SURVEYOR. THE DIMENSIONAL INFORMATION OBTAINED FROM THE CAD DRAWINGS SHALL BE USED IN DEVELOPING THE STAKE-OUT PLAN FOR UTILITIES.
14. PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL INSTALL TEMPORARY CONSTRUCTION FENCING (SUCH AS SILT FENCE) BEYOND THE DRIPLINES OF RETAINED VEGETATION ALONG THE LIMITS OF CLEARING. THIS FENCE SHALL REMAIN ERECTED AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION.
15. ENTRY/SIGN FEATURES, SITE WALLS AND FLAG POLE LOCATIONS AND CONFIGURATIONS ARE APPROXIMATE AND ARE SUBJECT TO CHANGE. CONTRACTOR SHALL REFERENCE LANDSCAPE ARCHITECT'S OR ARCHITECT'S PLANS FOR ENTRY/SIGN FEATURES, SITE WALLS AND FLAG POLE MATERIALS AND DESIGN SPECIFICATIONS. IF THERE ARE ANY DISCREPANCIES BETWEEN LANDSCAPE ARCHITECT'S PLANS AND SPECIFICATIONS AND ENGINEER'S PLANS, CONTRACTOR IS REQUIRED TO OBTAIN FROM ENGINEER WRITTEN APPROVAL FOR ANY DEVIATIONS. SHOWN ON THE STAMPED APPROVED SITE DEVELOPMENT PLANS. CONTRACTOR SHALL APPLY SEPARATELY FOR THE APPROPRIATE BUILDING PERMITS, WHERE APPLICABLE, AS OUTLINED IN THE COUNTY BUILDING CODE AND LDC.
16. CONTRACTOR SHALL REFERENCE ELECTRICAL ENGINEER'S PLANS FOR STREET/SITE LIGHTING FINAL LOCATIONS, COLOR, MATERIAL AND SPECIFICATIONS. IF THERE ARE ANY DISCREPANCIES BETWEEN LANDSCAPE ARCHITECT'S PLANS AND SPECIFICATION AND ENGINEER'S PLANS, CONTRACTOR IS REQUIRED TO OBTAIN FROM THE ENGINEER WRITTEN APPROVAL FOR ANY DEVIATIONS. STREET/SITE LIGHTING SHALL BE LOCATED TO AVOID CONFLICTS WITH PROPOSED VEGETATION.
17. ALL MATERIALS, DEBRIS, UNSUITABLE EARTH, ETC. OF NO SALVAGE VALUE SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LEGALLY DISPOSED OF BY THE CONTRACTOR.

UNDERGROUND CONTRACTOR RESPONSIBILITY NOTES

1. UNDERGROUND CONTRACTOR SHALL MINIMIZE THE WORK AREA AND WIDTH OF TRENCHES TO AVOID DISTURBANCES OF NATURAL VEGETATION. SPOIL FROM TRENCHES SHALL BE PLACED ONLY ON PREVIOUSLY CLEARED AREAS OR AS DIRECTED BY THE OWNER. UNDERGROUND CONTRACTOR SHALL NOT REMOVE AND/OR DISTURB ANY TREES AND/OR SHRUBS WITHOUT PRIOR APPROVAL BY OWNER.
2. ALL UNDERGROUND UTILITIES AND INFRASTRUCTURE LOCATED BENEATH THE STABILIZED PORTION OF THE ROAD BED SHALL BE INSTALLED PRIOR TO COMPACTION OF THE SUBGRADE OR AS OTHERWISE DIRECTED BY OWNER. CAUTION: STORM DRAINAGE PIPES MAY EXTEND INTO STABILIZED SUBGRADE AND/OR BASE. PAVING CONTRACTOR SHALL ADJUST STABILIZER MIXER TO PREVENT CONTACT AND DAMAGE TO PIPING.
3. ALL CONDUITS UNDER PAVEMENT SHALL EXTEND 5' BEYOND THE BACK OF CURB AND/OR BACK OF SIDEWALK AT EACH END AND SHALL BE A MINIMUM OF 18" UNDER WATER MAINS AND FORCE MAINS.

UTILITY NOTES

1. ALL UTILITY CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TECHNICAL STANDARDS OF THE UTILITY AND FDEP.
2. POTABLE WATER SYSTEM UP TO THE METER/BACKFLOW DEVICE SHALL BE OWNED AND MAINTAINED BY THE UTILITY.
3. ON-SITE WASTEWATER COLLECTION SYSTEM SHALL BE OWNED AND MAINTAINED BY OWNER, ITS SUCCESSORS OR ASSIGNS.
4. IRRIGATION DISTRIBUTION SYSTEM SHALL BE OWNED AND MAINTAINED BY OWNER, ITS SUCCESSORS OR ASSIGNS.
5. UTILITY MATERIALS, COLORS, AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH THE TECHNICAL STANDARDS OF THE UTILITY AND FDEP.
6. EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATION. THE CONTRACTOR SHALL FIELD VERIFY ALL ELEVATIONS AND LOCATIONS OF EXISTING UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION AND FAMILIARIZE HIMSELF WITH THE SITE AND THE CONTRACT DOCUMENTS. ALL WORK SHALL BE CONDUCTED IN STRICT ACCORDANCE WITH ALL PERMITS AND APPROVALS OBTAINED FOR THIS PROJECT.
7. CONTRACTOR SHALL MARK LOCATIONS OF ALL PRESSURE PIPES IN ACCORDANCE WITH THE TECHNICAL STANDARDS OF THE UTILITY.
8. THE CONTRACTOR SHALL PROVIDE 48 HOURS WRITTEN NOTICE TO THE ENGINEER, CITY, COUNTY, UTILITY AND FIRE DISTRICT PRIOR TO THE FOLLOWING:
   A. COMMENCEMENT
   B. CHANGES TO APPROVED SCHEDULES, SUBCONTRACTORS, OR RESIDENT SUPERINTENDENT
   C. GENERAL
      C.1. COMPACTION
      C.2. TRENCH DENSITY
      C.3. FINAL INSPECTIONS
      C.4. CONFLICT BOX INSTALLATION
      C.5. WATER MAIN OR FORCE MAIN CASING INSTALLATION
   D. POTABLE AND IRRIGATION SYSTEMS
      D.1. CONNECTION TO EXISTING POTABLE WATER FACILITIES (INCLUDING HOT TAPS)
      D.2. MASTER METER AND BYPASS PIPING
      D.3. PRESSURE TESTS
      D.4. FLUSHING
      D.5. CHLORINATION
      D.6. BACTERIOLOGICAL TESTS
      D.7. JACK AND BORE INSTALLATIONS
      D.8. FIRE FLOW TESTING
   E. WASTEWATER SYSTEMS
      E.1. CONNECTION TO EXISTING SANITARY SEWER FACILITIES (INCLUDING HOT TAPS)
      E.2. PRESSURE TESTS
      E.3. INFILTRATION TEST
      E.4. LIFT STATION INSTALLATION (PRIOR TO COVER UP)
      E.5. LIFT STATION STARTUP
      E.6. LAMPING TO SEWER AND MANHOLES
      E.7. FLUSHING
      E.8. VIDEOTAPING OF GRAVITY MAINS
      E.9. JACK AND BORE INSTALLATIONS
   F. OTHERS AS MAY BE REQUIRED BY OWNER, AND ENGINEER.
   G. OTHERS AS MAY BE REQUIRED BY UTILITY AT THE TIME OF CONSTRUCTION DOCUMENT APPROVAL.
9. WATER MAINS SHALL BE SEPARATED FROM STORM SEWER, SANITARY SEWER, NON-POTABLE IRRIGATION MAINS, AND FORCE MAINS BY A MINIMUM CLEAR VERTICAL AND HORIZONTAL DISTANCES AS REQUIRED BY THE UTILITY AND FDEP
10. WATER MAINS CROSSING ANY TYPE OF SANITARY SEWER, INCLUDING FORCE MAIN, OR STORM SEWER SHALL HAVE ONE FULL LENGTH OF WATER MAIN CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THAT THE WATER JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, STORMWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62- 610, F.A.C., AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY OR PRESSURE-TYPE SANITARY SEWERS, FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
11. HORIZONTAL AND VERTICAL DEFLECTION OF THE PRESSURE MAINS SHALL NOT EXCEED THE PIPE MANUFACTURER'S SPECIFICATIONS. BENDS SHALL BE USED WHERE DEFLECTIONS EXCEED THE MANUFACTURER'S SPECIFICATIONS.
12. COVER FOR MAINS SHALL BE MEASURED FROM FINISHED GRADES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSURE MINIMUM COVER, REGARDLESS OF EXISTING GRADE.
13. CONTRACTOR SHALL CONSTRUCT ALL WATER, IRRIGATION AND SEWER APPURTENANCES INCLUDING METER BOXES, BLOW-OFFS, VALVE BOXES, AIR RELEASE VALVES, FIRE HYDRANTS, ETC. TO FINISHED GRADE. CONTRACTOR SHALL COORDINATE DURING THE CONSTRUCTION STAKE-OUT AND PRIOR TO CONSTRUCTION OF SAID APPURTENANCES WITH OWNER AND ENGINEER REGARDING FINISHED GRADE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSURE CONSTRUCTION OF SAID APPURTENANCES TO FINISHED GRADE.
14. PRIOR TO COMPACTION OF SUBGRADE AND ROADWAY CONSTRUCTION, ALL SUBSURFACE CONSTRUCTION SUCH AS WATER LINES, SEWER LINES, PUBLIC UTILITIES, AND STORM DRAINAGE MUST BE COMPLETED. COMPACTION UNDER ALL AREAS SHALL BE TO 98% DENSITY.
15. APPROVED FITTINGS SHALL BE USED TO MAINTAIN PLAN ALIGNMENT OF POTABLE, FORCE, AND IRRIGATION MAINS. DEVIATION FROM PLAN ALIGNMENT SHALL BE NOT MORE THAN 12±" FROM PLAN CENTERLINE OF MAIN. A LAND SURVEYOR, REGISTERED IN THE STATE OF FLORIDA, SHALL PREPARE RECORD DRAWINGS OF ALL FITTINGS AND DEFLECTIONS.
16. BEDDING FOR WATER AND SEWER LINES SHALL BE AS SHOWN ON TYPICAL TRENCH RESTORATION DETAIL. SUITABLE BACKFILL MATERIAL SHALL BE PLACED IN 6" MAXIMUM COMPACTED LAYERS TO 12" ABOVE THE TOP OF PIPE.
17. ALL VALVES MUST BE PLACED OUTSIDE OF PAVED AREAS, UNLESS OTHERWISE INDICATED IN THE APPROVED CONSTRUCTION DOCUMENTS.
18. PER ASTM STANDARDS, NO GRAVITY SEWER LINE SHALL EXCEED A DEFLECTION OF 5%. A DEFLECTION TEST SHALL BE PERFORMED BY ADVANCING A MANDREL, WITH A DIAMETER OF NO LESS THAN 95% OF THE INSIDE PIPE DIAMETER AND MOUNTED ON THE FRONT OF THE SEWER VIDEOTAPING DEVICE, THROUGH ALL GRAVITY SANITARY MAINS WITHIN THE SYSTEM.
19. ALL 8" PVC GRAVITY SANITARY SEWER MAINS SHALL CONFORM TO ASTM D-3034 SDR 26 AND SHALL HAVE A 0.40% MINIMUM SLOPE UNLESS OTHERWISE NOTED.
20. ALL PVC SEWER LATERALS SHALL BE 6", CONFORM T0 ASTM D-3034 SDR 26 AND CONSTRUCTED AT 1.04% MINIMUM SLOPE PER THE PLUMBING CODE.
21. ALL PVC PIPES 14" TO 36" IN DIAMETER SHALL MEET THE REQUIREMENTS OF AWWA C-900.
22. ALL DUCTILE IRON PIPE (DIP) SHALL MEET THE REQUIREMENTS OF AWWA C-151
23. ALL WATER SERVICES UNDER PAVEMENT SHALL BE INSTALLED IN A 4" SCH. 40 PVC CONDUIT AND EXTEND 5' PAST THE EDGE OF PAVEMENT ON BOTH SIDES OR WATER SERVICE CONDUITS SHALL BE PLUGGED, MARKED AT GRADE, AND HAVE 3M BRAND MARKERS, OR APPROVED EQUAL, AT EACH END.
24. ALL CONDUITS UNDER ROADWAYS (DRY UTILITIES) SHALL BE A MINIMUM OF 18" UNDER WATER MAINS AND FORCE MAINS.
25. POTABLE WATER MAINS 3 INCHES OR SMALLER SHALL MEET THE REQUIREMENTS OF ASTM D-2241 OR D-1785, LATEST REVISION. PIPE JOINTS SHALL BE PUSH-ON OR SOLVENT WELDED TYPE.
26. ALL POLYETHYLENE PIPES 1/2" TO 3" IN DIAMETER SHALL BE PE3408, AWWA C-901 AND SDS 9-220 COMPLIANT.
27. 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. ALL WATER METERS SHALL CONFORM TO AWWA C-700 OR NSF 61 STANDARDS.
28. LOCATING DIMENSIONS FOR SEWER LATERALS & WATER CROSSINGS ARE TAKEN FROM THE NEXT DOWNSTREAM MANHOLE ALONG THE CENTERLINE OF THE SEWER, AND PERPENDICULAR TO THE SERVICE LINE.
29. A TEMPORARY BACKFLOW PREVENTER MAY BE REQUIRED BY FIRE DISTRICT IF CONSTRUCTION WITH COMBUSTIBLE MATERIAL COMMENCES PRIOR TO THE ACCEPTANCE OF THE WATER MAIN BY UTILITY.
30. ALL TEMPORARY BACTERIAL SAMPLE POINTS ARE TO BE REMOVED AFTER SATISFACTORY BACTERIAL TESTING IS COMPLETED AND THE CONNECTION IS MADE TO THE EXISTING WATER MAIN.
31. ALL WATER MAINS MUST BE FLUSHED AND DETERMINED TO BE BACTERIOLOGICAL CLEARED BEFORE CONNECTIONS ARE MADE TO THE PROPOSED WATER DISTRIBUTION SYSTEM.

LEGEND HATCH

Hatch	Hatch
BRICK PAVERS	LAKE
BUILDING	LITTORAL
EXISTING BUILDING	RIP-RAP
COMPACTED LIMEROCK	SAND
CONCRETE	STABILIZED SUBGRADE
CONCRETE - HEAVY DUTY	UPLAND BUFFER
DETECTABLE SURFACE	UPLANDS
EARTH	WETLANDS
GEOWEB	
GRAVEL	

ROADWAY AND PARKING LOT SIGNING AND MARKING NOTES

1. ROADWAY SIGNAGE AND PAVEMENT MARKING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND FDOT DESIGN STANDARDS.
2. ALL STOP BARS, IN ROADWAYS AND PARKING LOTS, SHALL BE THERMOPLASTIC. IF PARKING LOT PAVEMENT OCCURS IN TWO LIFTS, FIRST LIFT MAY BE PAINTED AT OWNER'S DISCRETION.
3. PARKING STALL STRIPING MAY BE PAINT, OR THERMOPLASTIC, AT OWNER'S DISCRETION.

FIRE PROTECTION NOTES

1. 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. ALL WATER METERS SHALL CONFORM TO AWWA C-700 OR NSF 61 STANDARDS.
2. FIRE HYDRANTS SHALL BE IN ACCORDANCE WITH THE UTILITY STANDARDS OR NFPA REGULATIONS, LATEST REVISION, WHICHEVER IS MORE RESTRICTIVE, AND MEET THE APPROVAL OF THE LOCAL FIRE CONTROL DISTRICT. RAISED BLUE PAVEMENT REFLECTORS SHALL BE LOCATED AT THE CENTERLINE OF THE FINISHED TRAVEL LANE, PER THE FIRE DISTRICT, OPPOSITE EACH HYDRANT IN ACCORDANCE WITH FDOT SPECIFICATIONS.
3. UNLESS OTHERWISE APPROVED, ALL FIRE HYDRANT CONNECTIONS, SERVICE CONNECTIONS TO THE CURB STOP AT THE METER, AND ALL JOINTS, CONFLICTS AND THRUST BLOCKS IN THE MAINS SHALL REMAIN UNCOVERED FOR VISUAL INSPECTION BY AN INSPECTOR FOR THE UTILITY OR ENGINEER. THE CONTRACTOR SHALL ONLY BACKFILL AFTER APPROVAL BY INSPECTION.
4. IN ACCORDANCE WITH THE FIRE DISTRICT, DISTANCES BETWEEN INSTALLED FIRE HYDRANTS SHALL NOT EXCEED THOSE SHOWN IN THE APPROVED PLANS.
5. FIRE HYDRANT SHALL BE MARKED IN A UNIFORM MANNER APPROVED BY THE FIRE DISTRICT.
6. 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.
7. FIRE HYDRANTS SHALL NOT BE OBSTRUCTED VISUALLY OR FUNCTIONALLY BY VEGETATION. A CLEARING OF 3 FEET TO EACH SIDE, REAR AND TO THE STREET SHALL BE MAINTAINED.
8. FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH LATEST NFPA SECTION No. 1 REVISION STANDARDS AND THE FIRE DISTRICT LATEST HYDRANT SPECIFICATIONS AND INSTALLATION REQUIREMENTS.
9. THE FIRE PROTECTION WATER SUPPLY, INCLUDING FIRE HYDRANTS, SHALL BE INSTALLED AND IN-SERVICE PRIOR TO PLACING COMBUSTIBLE BUILDING MATERIALS ON-SITE. CONTRACTOR MAY UTILIZE ALTERNATE METHODS (I.E. TANKS WITH FIREPUMP), BUT SHALL OBTAIN APPROVAL FROM THE FIRE DISTRICT PRIOR TO IMPLEMENTATION.

CERTIFICATION / SUBSTANTIAL COMPLIANCE NOTES:

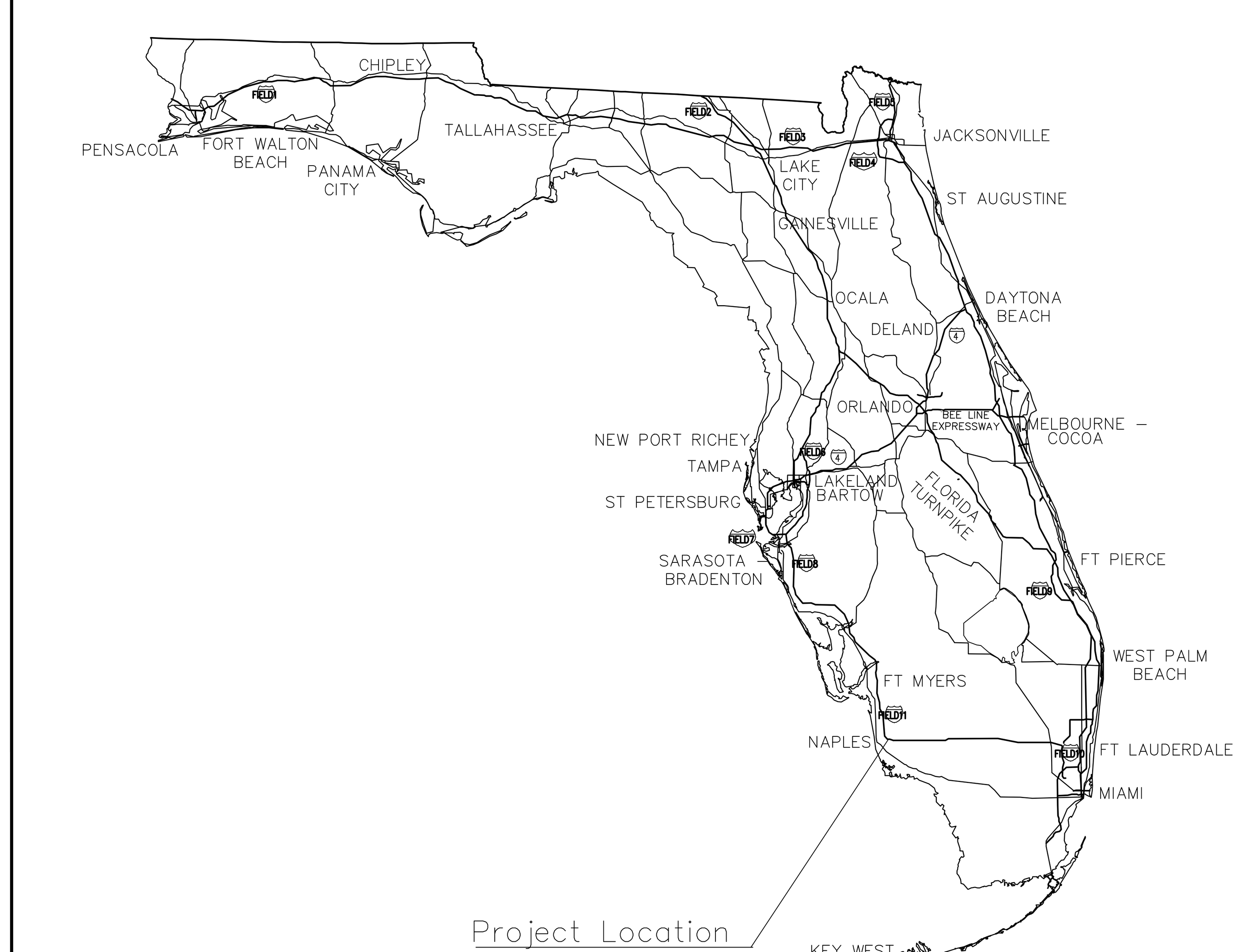
IN ACCORDANCE WITH UTILITY TECHNICAL STANDARDS MANUAL AND DEVELOPMENT SERVICES / BUILDING DEPARTMENT, THE CONTRACTOR SHALL PROVIDE THE FOLLOWING REQUIRED ITEMS TO THE ENGINEER OF RECORD:

1. TEST REPORTS (BY CONTRACTOR)
   A. DENSITY REPORTS
      A.1. COMPACT FILL (FOR BUILDING PADS, PIPE BEDDING AND BACKFILL)
      A.2. STABILIZED SUBGRADE
      A.3. LIMEROCK BASE
      A.4. TRENCH
   B. ROADWAY CORE SAMPLES, EVERY 300 LF
      B.1. LIMEROCK BASE
      B.2. ASPHALT
   C. CONCRETE CYLINDER TESTING
2. TEST REPORTS (BY CONTRACTOR):
   A. BACTERIOLOGICAL
   B. BACKFLOW DEVICE
   C. LIFT STATION START-UP
   D. LIFT STATION ELECTRICAL SERVICE WIRING AND VOLTAGE DROP
   E. SEWER VIDEO
3. AGENCY APPROVALS:
   A. FIRE DISTRICT
      A.1. FIRE LINE CONSTRUCTION, IF APPLICABLE.
      A.2. FIRE HYDRANT AND THRUST BLOCK INSPECTION, IF APPLICABLE.
4. RECORD DRAWINGS:
   THE CONTRACTOR SHALL PROVIDE A FINAL SET OF RECORD DRAWINGS TO ENGINEER. RECORD DRAWINGS SHALL BE CERTIFIED BY A REGISTERED LAND SURVEYOR AND ACCURATELY SHOW ALL ABOVE-GROUND HORIZONTAL LOCATIONS, AND BELOW-GROUND HORIZONTAL AND VERTICAL LOCATIONS AT AREAS EXPOSED OR MARKED BY THE UTILITY CONTRACTOR FOR THE FOLLOWING. PLEASE NOTE NOT ALL ITEMS ARE APPLICABLE TO THIS CONSTRUCTION PLAN. CONTRACTOR SHALL COORDINATE WITH ENGINEER FOR FINAL VERIFICATION.
   A. POTABLE WATER, IRRIGATION, AND WASTEWATER RECORD INFORMATION PROVIDED SHALL MEET THE REQUIREMENTS OF THE UTILITY AND DEVELOPMENT SERVICES / BUILDING DEPARTMENT TECHNICAL STANDARDS MANUAL, AND SHALL INCLUDE, BUT NOT BE LIMITED TO:
      A.1. LOCATIONS AND ELEVATIONS OF ALL PRESSURE PIPE LINES AT EVERY 200 LF ALONG PIPE LINE AND AT EACH PIPE ELBOW AND FITTING LOCATION.
      A.2. LOCATIONS OF ALL METER AND VALVE BOXES, AIR RELEASE VALVES, BLOW-OFFS, FIRE HYDRANTS AND BACTERIAL SAMPLE POINTS, ETC.
      A.3. INVERTS, RIM ELEVATIONS AND LOCATIONS FOR ALL LIFT STATIONS.
      A.4. LOCATIONS FOR ALL LIFT STATION ELECTRICAL CONTROL PANELS AND TRANSFORMERS.
      A.5. INVERTS, PIPE SLOPES, RIM ELEVATIONS, RUN LENGTHS AND LOCATIONS FOR ALL MANHOLES.
      A.6. INVERTS (AT BOTH ENDS), PIPE SLOPES, RUN LENGTHS AND LOCATIONS FOR ALL SEWER MAIN STUB-OUTS.
      A.7. LOCATIONS OF SEWER LATERALS.
      A.8. INVERTS AND LOCATIONS FOR ALL CLEANOUTS
   B. PAVING AND DRAINAGE:
      B.1. ROADWAY CENTERLINE ELEVATIONS AT ALL INTERSECTIONS AND AT A MINIMUM AT ALL PVI'S ALONG THE ROADWAY CENTERLINE.
      B.2. INVERT, GRATE AND INLET ELEVATIONS OF ALL WATER MANAGEMENT STRUCTURES, INCLUDING ALL CONTROL STRUCTURES, CATCH BASINS, JUNCTION BOXES, HEADWALLS, MITERED ENDS, AND THE LIKE. WEIR AND BLEEDDOWN DIMENSIONS AND ELEVATIONS SHALL BE INCLUDED FOR ALL CONTROL STRUCTURES.
      B.3. CENTERLINE ELEVATIONS ON ALL OPEN SWALES AT HIGH AND LOW POINTS AND AT EVERY 100 LF ALONG SWALE CENTERLINE.
5. CONTRACTOR SHALL COORDINATE AND VERIFY PROCEDURES IN ACCOMMODATING REQUIRED RECORD DRAWING INFORMATION WITH ENGINEER AND SURVEYOR PRIOR TO CONSTRUCTION.

LEGEND SYMBOLS

Symbol	Symbol
KEY NOTE	IRRIGATION METER
REVISION SYMBOL	WATER METER
DIRECTION OF DRAINAGE FLOW	POST INDICATOR VALVE
SWALE & DIRECTION OF FLOW	PLUG VALVE
PROPOSED ELEVATION	CHECK VALVE
EXISTING ELEVATION	IN-LINE VALVE W/ BOX
HANDICAPPED PARKING SPACE	BACTERIAL SAMPLE POINT
SIGN	REDUCER
LIGHT POLE	YARD DRAIN
EXISTING LIGHT POLE	SANITARY SEWER MANHOLE / STORM SEWER JUNCTION BOX
REGULAR PARKING	SANITARY SEWER LATERAL & CLEAN-OUT
ACCESSIBLE PARKING	CONTROL STRUCTURES
LOADING ZONE PARKING	MITERED END
DRIVE THRU STACKING PARKING	FLARED END SECTION
AIR RELEASE VALVE	HEADWALL
TEMPORARY BLOW-OFF	PIPE PLUG
SIAMESE / FIRE DEPARTMENT CONNECTION	STORM SEWER & STRUCTURE
FIRE HYDRANT ASSEMBLY	STORM SEWER & STRUCTURE WITH SIDE INLETS
BLOW-OFF	PUMP STATION
TEMPORARY BLOW-OFF	

FLORIDA LOCATION



CIVILGEAR
CIVIL ENGINEERING · GEARED TO EVOLVE

2950 TAMIAMI TRAIL NORTH
NAPLES, FLORIDA
SUITE 202
239.799.3200
WWW.CIVILGEARFL.COM

PROJECT:

GREAT WOLF LODGE

TITLE:

NOTES AND LEGEND SHEET

CLIENT:

GWR NAPLES, LLC

REVISIONS

NO.	REVISION	DATE

PROFESSIONAL SEALS:

PROFESSIONAL ENGINEER: CARL M. THRUSHMAN
FLORIDA LICENSE NUMBER: 86499
FLORIDA ENGINEERING BUSINESS LIC. NO: 38311

PROJECT NOTES:

Sunshine 811
CALL before you dig.

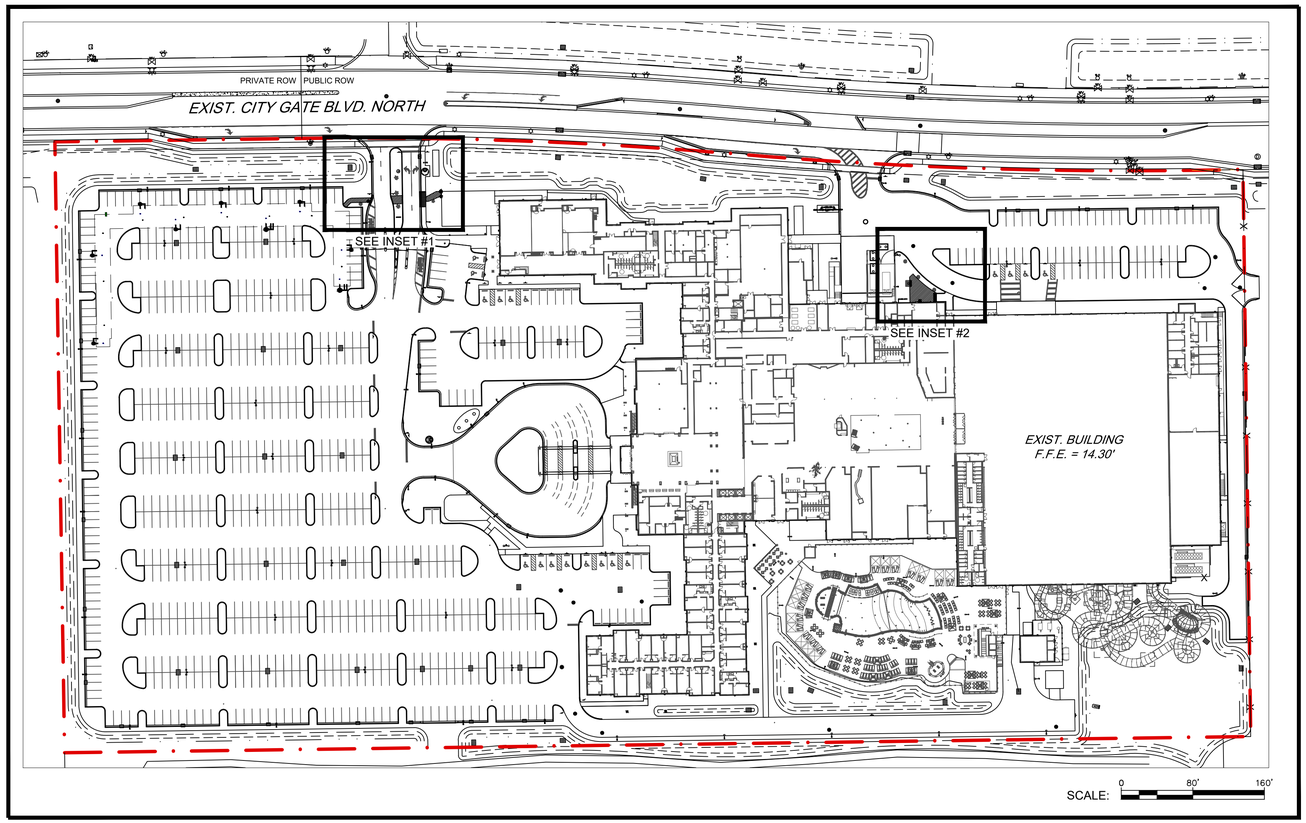
1. CALL 800.432.4770 TWO FULL BUSINESS DAYS BEFORE DIGGING.
2. CALL 10 DAYS BEFORE DIGGING WHEN DIGGING UNDER WATER.
3. WAIT THE REQUIRED TIME FOR BURIED UTILITIES TO BE LOCATED AND MARKED.
4. PROTECT THE MARKS DURING YOUR PROJECT.
5. IF MARKS ARE DESTROYED, CALL AGAIN. DIG SAFELY, USING EXTREME CAUTION WHEN DIGGING WITHIN 24 INCHES ON EITHER SIDE OF THE MARKS TO AVOID HITTING THE BURIED UTILITY LINES.

SCALE: N/A

SECT: 35 TWP: 49 S RGE: 26 E

DRAWING NUMBER:

CG - 00.02

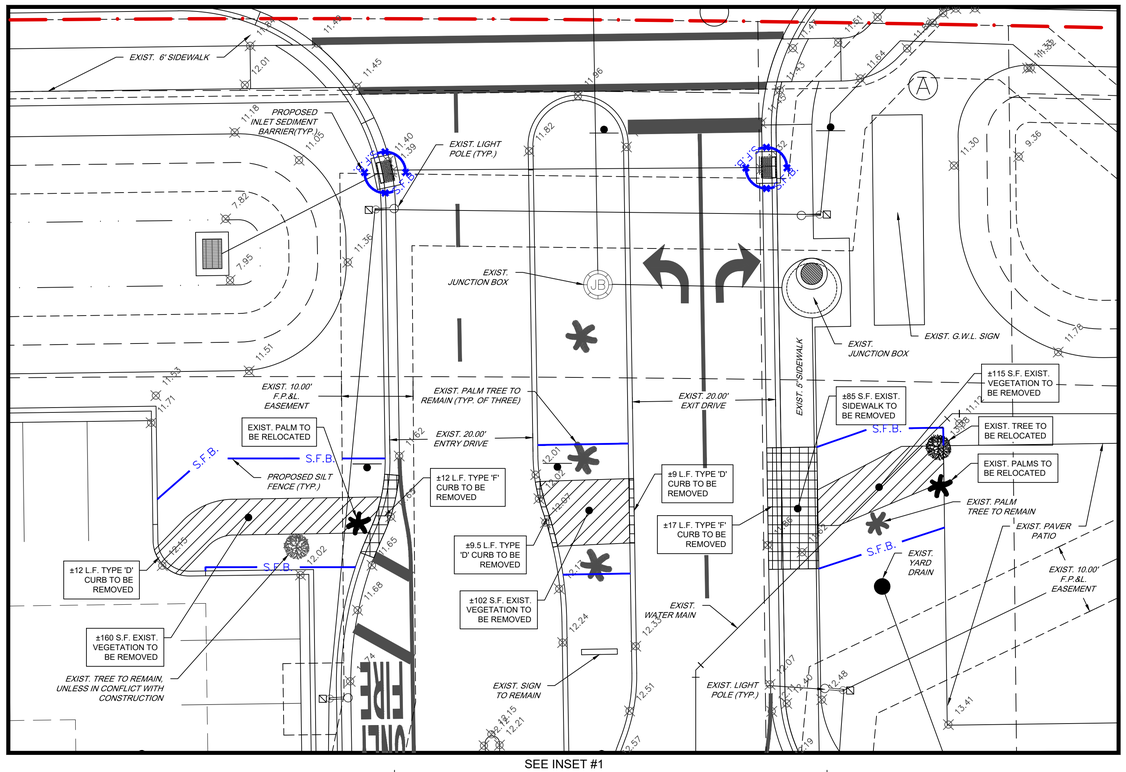


LEGEND:

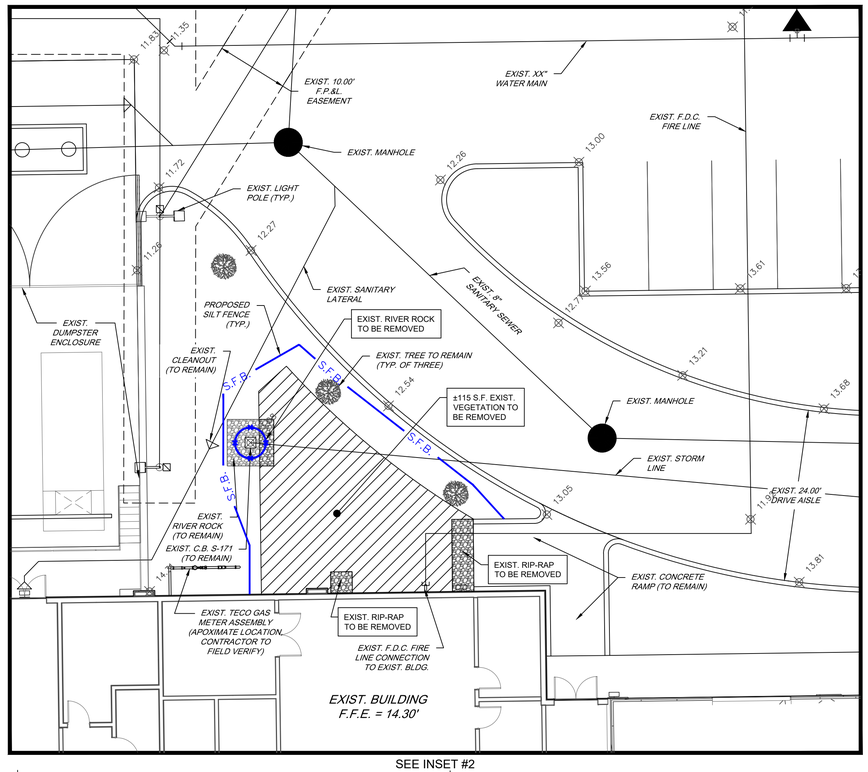
- AREA TO BE CLEARED
- SIDEWALK TO BE REMOVED
- RIP-RAP TO BE REMOVED
- S.F.B. — SILT FENCE
- INLET SEDIMENT BARRIER

EXISTING UTILITIES NOTE:

CONTRACTOR SHALL FIELD VERIFY LOCATION, MATERIAL, DEPTH AND SIZE OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION



SEE INSET #1



SEE INSET #2

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2950 TAMIAMI TRAIL NORTH
NAPLES, FLORIDA
SUITE 202
239.799.3200
WWW.CIVILGEARFL.COM

PROJECT:

GREAT WOLF LODGE

TITLE:

EXISTING CONDITIONS AND DEMOLITION PLAN

CLIENT:

GWR NAPLES, LLC

REVISIONS

NO.	REVISION	DATE

PROFESSIONAL SEALS:

PROFESSIONAL ENGINEER: CARL M. THRUSHMAN
FLORIDA LICENSE NUMBER: 86499
FLORIDA ENGINEERING BUSINESS LIC. NO: 38311

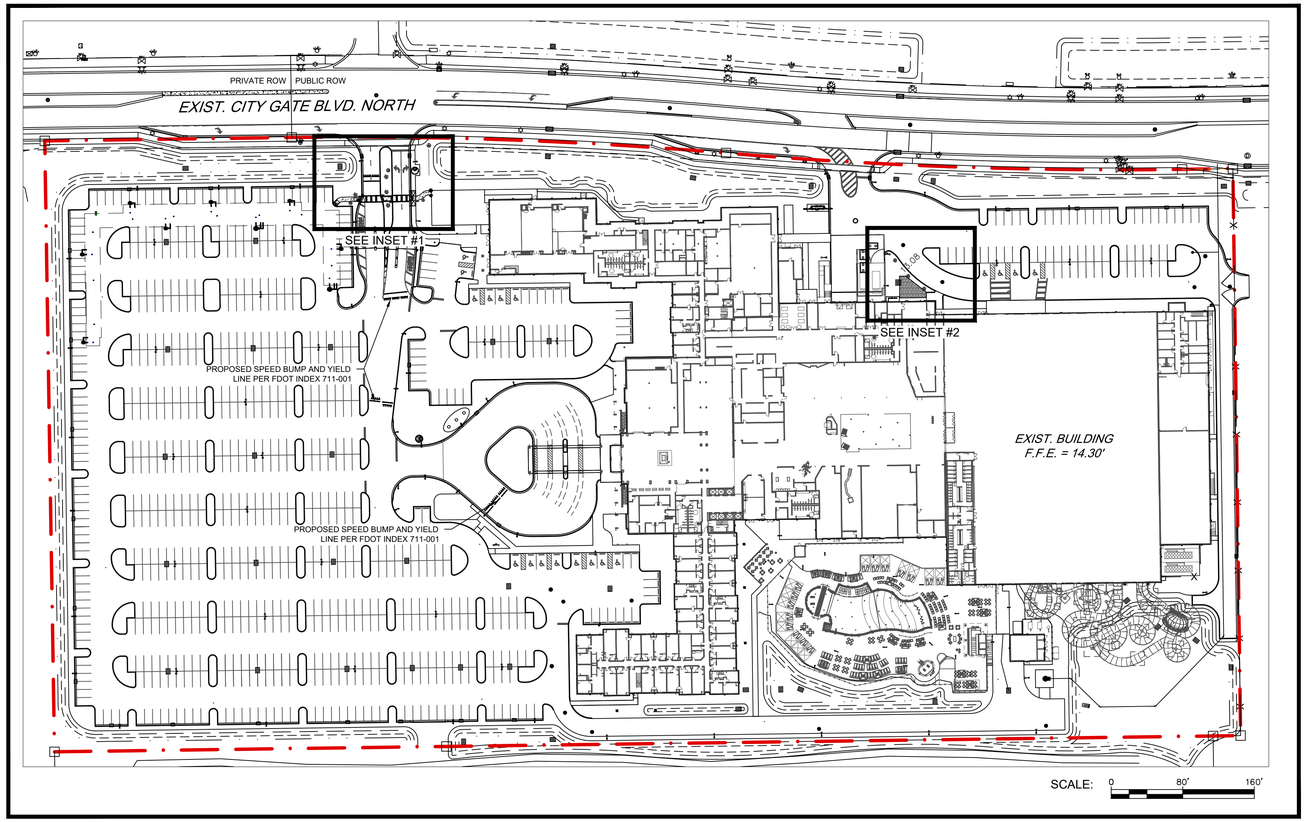
PROJECT NOTES:

SCALE:
HORZ: 0 10' 20'

SECT: 35 TWP: 49 S RGE: 26 E

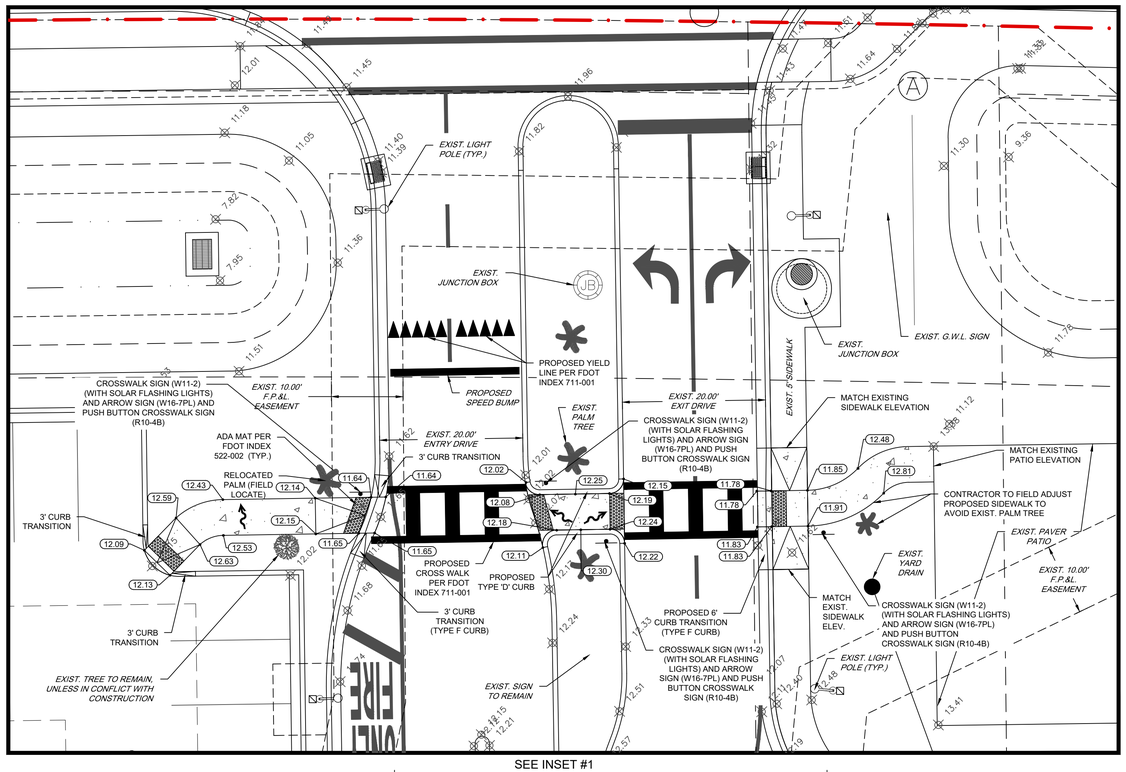
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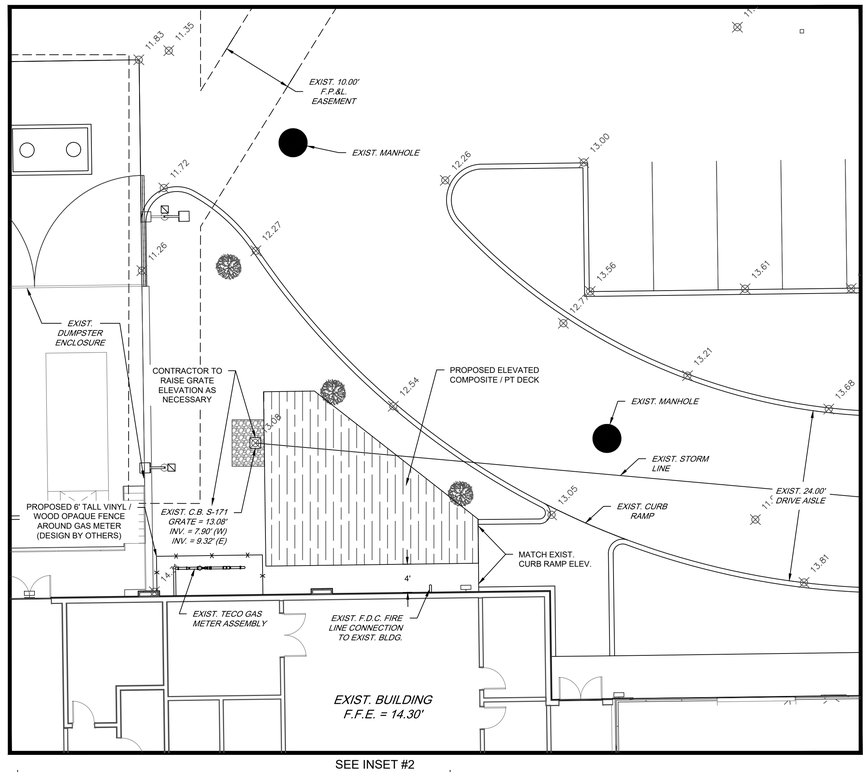
CG - 10.00



LEGEND:

- PROPOSED COMPOSITE / PT
- PROPOSED CONCRETE
- CROSSWALK SIGN (W11-2) (WITH SOLAR FLASHING LIGHTS) — (W11-2) 30"x30"
- CROSSWALK ARROW SIGN (W16-7PL) — (W16-7pl)
- CROSSWALK ARROW SIGN (W16-7PR) — (W16-7pr)
- PUSH BUTTON FOR CROSSWALK SIGN (R10-4B) — (R10-4b) 9"x12"





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NAPLES, FLORIDA
SUITE 202
239.799.3200
WWW.CIVILGEARFL.COM

PROJECT:

GREAT WOLF LODGE

TITLE:

SITE AND GRADING PLAN

CLIENT:

GWR NAPLES, LLC

REVISIONS

NO.	REVISION	DATE

PROFESSIONAL SEALS:

PROFESSIONAL ENGINEER: CARL M. THRUSHMAN
FLORIDA LICENSE NUMBER: 86499
FLORIDA ENGINEERING BUSINESS LIC. NO: 38311

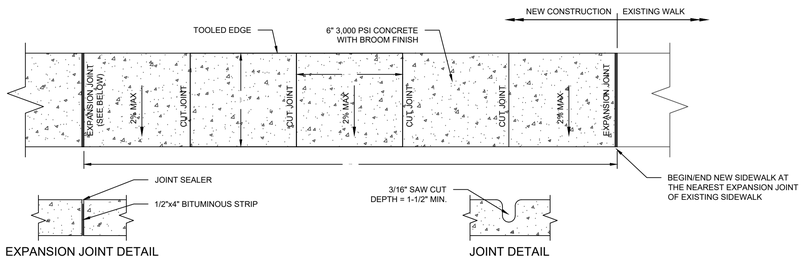
PROJECT NOTES:
CONTRACTOR TO ADJUST IRRIGATION AS NECESSARY TO PROVIDE FULL COVERAGE

SCALE:
HORZ: 0 10' 20'

SECT: 35 TWP: 49 S RGE: 26 E

DRAWING NUMBER:

CG - 20.00



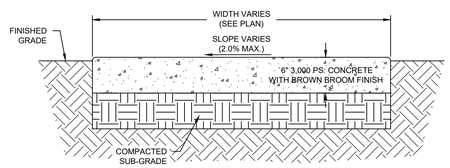
EXPANSION JOINT DETAIL

JOINT DETAIL

SIDEWALK DETAIL

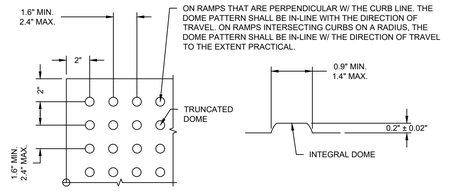
N.T.S.

SIDEWALK NOTES:
1. SIDEWALKS SHALL HAVE TOOLED EDGES (NOT INCLUDING JOINTS).
2. CONSTRUCTION JOINTS SHALL BE LOCATED AT CUT JOINTS OR EXPANSION JOINTS ONLY.
3. WALKS LOCATED WITHIN RIGHT OF WAY SHALL COMPLY WITH FDOT INDEX 522-001 AND CORRESPONDING SPECIFICATIONS.
4. ALL CONCRETE SIDEWALKS SHALL BE 6" THICK.
5. MAXIMUM TRANSVERSE SLOPE TO BE 2%.
6. ALL SIDEWALK WITHIN THE PUBLIC ROW MUST BE 6" THICK.



SIDEWALK CROSS SECTION

N.T.S.



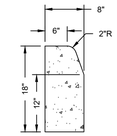
PLAN VIEW

TRUNCATED DOME

CURB RAMP DETECTABLE WARNING DETAIL

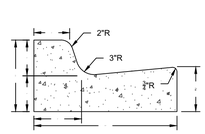
N.T.S.

NOTE:
1. ALL SIDEWALK CURB RAMPS SHALL HAVE DETECTABLE WARNING SURFACES THAT EXTEND THE FULL WIDTH OF THE RAMP AND IN THE DIRECTION OF TRAVEL 24 INCHES (610 MM) FROM THE BACK OF CURB.
2. MAXIMUM SLOPE OF DETECTABLE WARNING TO BE 2%.



TYPE 'D' CURB

N.T.S.



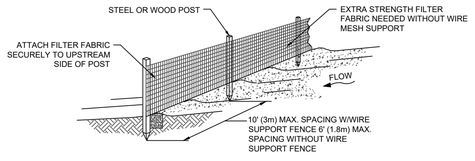
TYPE 'F' CURB

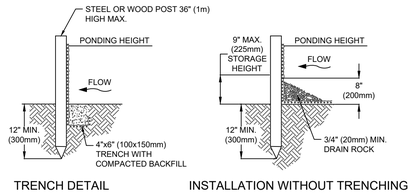
N.T.S.

CURB NOTES:
1. CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 3000 PSI IN 28 DAYS (TYP.).
2. PLACE EXPANSION JOINTS AT THE END OF ALL RETURNS AT 50.0' INTERVALS MAXIMUM WITH CONTRACTION JOINTS AT 10' INTERVALS BETWEEN EXPANSION JOINTS.
3. CONSTRUCT EXPANSION JOINTS WITH 1/2 INCH BITUMINOUS IMPREGNATED EXPANSION JOINT MATERIAL.
4. EXPANSION JOINT, PREFORMED JOINT FILLER AND JOINT SEAL ARE REQUIRED BETWEEN CURB & GUTTER AND CONCRETE PAVEMENT ONLY.

* WHEN USED ON HIGH SIDE OF ROADWAYS, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT. THE THICKNESS OF THE LIP SHALL BE 6", UNLESS OTHERWISE SHOWN ON PLANS.

SITE DETAILS





TRENCH DETAIL

INSTALLATION WITHOUT TRENCHING

SINGLE AND DOUBLE ROW SILT FENCE BARRIER

N.T.S.

NOTES:
1. ALL SILT FENCE SHOULD BE INSTALLED AT THE COMMENCEMENT OF ANY SITE IMPROVEMENTS AND WILL BE IN PLACE UNTIL COMPLETION OF CONSTRUCTION.
2. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
3. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 9" (225mm) MAXIMUM RECOMMENDED STORAGE HEIGHT
4. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.

CONSTRUCTION SPECIFICATIONS:

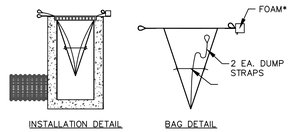
1. THE HEIGHT OF A SILT FENCE SHALL NOT EXCEED 36 INCHES (0.9 M). STORAGE HEIGHT AND PONDING HEIGHT SHALL NEVER EXCEED 18 INCHES (0.5 M).
2. THE FENCE LINE SHALL FOLLOW THE CONTOUR AS CLOSELY AS POSSIBLE.
3. IF POSSIBLE, THE FILTER FABRIC SHALL BE CUT FROM A CONTINUOUS ROLL TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED ONLY AT A SUPPORT POST, WITH A MINIMUM 6 INCH (0.2 M) OVERLAP AND BOTH ENDS SECURELY FASTENED TO THE POST.
4. POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET (3.1 M) APART AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 12 INCHES (0.3 M)). WHEN EXTRA-STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6 FEET (1.8 M).
5. TURN THE ENDS OF THE FENCE UPHILL.
6. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 4 INCHES (101 MM) WIDE AND 6 INCHES (0.2 M) DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER.
7. WHEN STANDARD-STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1INCH (25.4 MM) LONG, TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2 INCHES (51 MM) AND SHALL NOT EXTEND MORE THAN 36 INCHES (0.9 M) ABOVE THE ORIGINAL GROUND SURFACE.
8. THE STANDARD-STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 6 INCHES (0.2 M) OF THE FABRIC SHALL EXTEND INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES (0.9 M) ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
9. WHEN EXTRA-STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS.
10. THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE TOE OF THE FILTER FABRIC.
11. SILT FENCES PLACED AT THE TOE OF A SLOPE SHALL BE SET AT LEAST 6 FEET (1.8 M) FROM THE TOE IN ORDER TO INCREASE PONDING VOLUME.
12. SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED AND ANY SEDIMENT STORED BEHIND THE SILT FENCE HAS BEEN REMOVED.
13. DOUBLE ROW SILT FENCE ADJACENT TO THE PERIMETER OF PRESERVED VEGETATION MUST BE HIGHLY VISIBLE WITH BRIGHTLY COLORED ALL-WEATHER MESH MATERIAL OR EQUIVALENT.

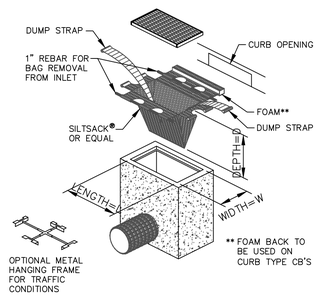
INSPECTION AND MAINTENANCE:

1. SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED WEEKLY AFTER EACH SIGNIFICANT STORM (1 INCH (25.4 MM) IN 24 HOUR).
2. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
3. SEDIMENT SHOULD BE REMOVED WHEN IT REACHES 1/3 HEIGHT OF THE FENCE OR 9 INCHES (0.3 M) MAXIMUM.
4. THE REMOVED SEDIMENT SHALL CONFORM WITH THE EXISTING GRADE AND BE VEGETATED OR OTHERWISE STABILIZED.

GENERAL NPDES NOTES:

1. ALL ELEVATIONS REFERENCE N.A.V.D.
2. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED OR SODDED. AREAS DISTURBED WITHIN THE COUNTY RIGHT-OF-WAY SHALL BE REGRADED AND SODDED.
3. THE CONTRACTOR SHALL INSTALL A SILT FENCE AROUND THE PERIMETER OF THE SITE AND MUST MAINTAIN THE SILT FENCE IN GOOD CONDITION UNTIL ALL CONSTRUCTION HAS BEEN COMPLETE AND THE AREA STABILIZED AS REQUIRED.
4. SITES THAT DISTURB ONE (1) ACRE OR MORE OF LAND WILL REQUIRE A CONSTRUCTION GENERAL PERMIT (CGP), NOTICE OF INTENT (NOI), STORMWATER POLLUTION PREVENTION PLAN (SWPPP), AND NOTICE OF TERMINATION (NOT) TO DISCONTINUE PERMIT COVERAGE.
5. ALL PROHIBITED NON-NATIVE/EXOTIC VEGETATION AS DEFINED BY THE COLLIER COUNTY LDC SHALL BE REMOVED FROM THE SITE & IT SHALL BE MAINTAINED FREE OF EXOTICS IN PERPETUITY. ALL ANNUAL REMOVAL OF EXOTIC VEGETATION SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER
6. REVEGETATION: FOR VRSFPS WITHIN SUBDIVISIONS, A REVEGETATION BOND IN THE FORM OF A PERFORMANCE BOND, LETTER OF CREDIT, OR CASH BOND AND IN THE AMOUNT OF $5,000.00 PER ACRE MUST BE POSTED.
   A) WHEN FILL IS USED TO BRING BUILDING LOTS TO DESIRED CONSTRUCTION ELEVATIONS THOSE LOTS SHALL IMMEDIATELY BE SEEDED, TO PREVENT EROSION AND EXOTIC SEED INFESTATION.
   B) ALL FILL AREAS FOR LOTS OR STOCKPILES MUST HAVE EROSION CONTROL SILT FENCING.
   C) ANY STOCKPILE IN PLACE FOR MORE THAN SIX MONTHS MUST BE SODDED OR HYDROSEEDED. FAILURE TO DO SO WITHIN 14 CALENDAR DAYS OF NOTIFICATION BY THE COUNTY WILL RESULT IN A FINE OF $10.00 PER ACRE, PER DAY.
   D) IN THE EVENT THAT ANY PORTION OF THE STOCKPILE IS IN PLACE FOR GREATER THAN 18 MONTHS, THE COUNTY WILL ORDER THE FILL TO BE REMOVED AND THE LAND TO BE REVEGETATED. THE DENSITY AND TYPE OF REVEGETATION MUST MIMIC NEARBY ECOSYSTEMS, AND MUST NOT BE LESS THAN 64 TREES PER ACRE WITH ASSOCIATED MID-STORY AND GROUNDCOVER.





FILTER BAG SEDIMENT TRAPS:
1. FILTER BAGS TO BE INSTALLED ON ALL CATCH BASINS WITHIN PAVED AREAS.
2. PROBABLE SUPPLIERS INCLUDE P.S. CONSTRUCTION FABRICS, INC. (330) 335-3635, FIRELANDS SUPPLY (419) 668-1802, JMD, CO. (440)526-0017.

INSPECTION AND MAINTENANCE:
1. INSPECT THE BARRIER AFTER EACH RAIN AND PROMPTLY MAKE REPAIRS AS NEEDED.
2. SEDIMENT SHALL BE REMOVED AFTER EACH SIGNIFICANT STORM (1 INCH (25 MM) IN 24 HOURS) TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN.
3. THE REMOVED SEDIMENT SHALL BE DEPOSITED IN AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
4. FOR GRAVEL FILTERS: IF THE GRAVEL BECOMES CLOGGED WITH SEDIMENT IT MUST BE CAREFULLY REMOVED FROM THE INLET AND EITHER CLEANED OR REPLACED.

DROP INLET SEDIMENT BARRIER

N.T.S.

EROSION CONTROL DETAILS

CIVILGEAR
CIVIL ENGINEERING · GEARED TO EVOLVE
2950 TAMIAMI TRAIL NORTH
NAPLES, FLORIDA
SUITE 202
239.799.3200
WWW.CIVILGEARFL.COM

PROJECT:

GREAT WOLF LODGE

TITLE:

SITE AND EROSION CONTROL DETAILS

CLIENT:

GWR NAPLES, LLC

REVISIONS

DATE	REVISION	DATE

PROFESSIONAL SEALS:

PROFESSIONAL ENGINEER: CARL M. THRUSHMAN
FLORIDA LICENSE NUMBER: 86499
FLORIDA ENGINEERING BUSINESS LIC. NO: 38311

PROJECT NOTES:

SCALE: NOT TO SCALE

SECT: 35 TWP: 49 S RGE: 26 E

DRAWING NUMBER:

CG - 25.00