ISSUED FOR BID FORT MYERS BEACH WASTEWATER TREATMENT PLANT 17155 Pine Ridge Rd, Fort Myers Beach, FL 33931 PLANT SELECTIVE DEMOLITION



LEE COUNTY UTILITIES

OCTOBER 2020



LEE COUNTY. FLORIDA

Board of County Commissioners

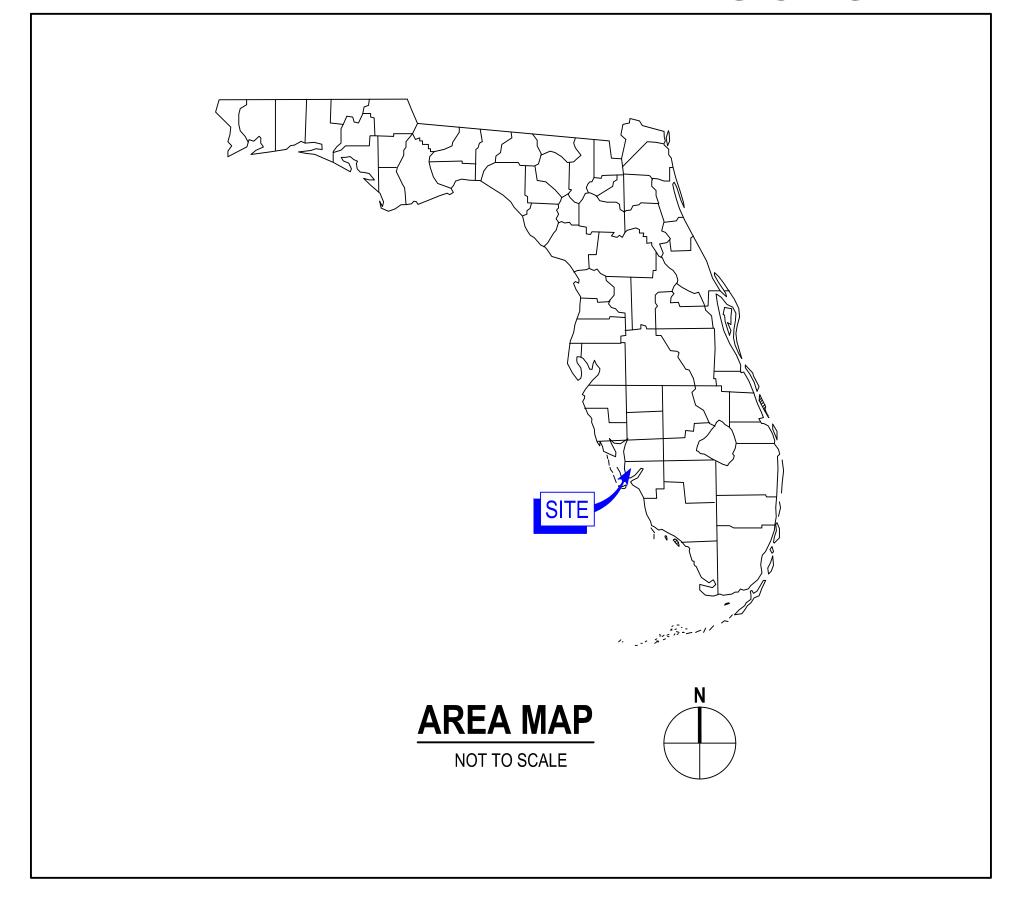
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Roger Desjarlais, County Manager Richard Wm. Wesch, County Attorney

Pam Keyes PE, Director of Utilities Brian Hickey, PE Project Manager

ENGINEER OF RECORD DANA K. TALLMAN, PROFESSIONAL ENGINEER FLORIDA P.E. LICENSE NO. 44785

CONTRACTOR SHALL CALL SUNSHINE STATE ONE CALL OF FLORIDA, INC. AT LEAST 48 HOURS PRIOR TO EXCAVATION 1-(800)-432-4770



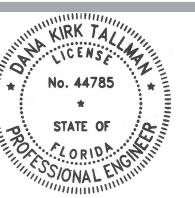


В	100% DEMO PLANS	RDC	scs	04/2020
Α	60% DEMO PLANS	RDC	JR	02/2020
No.	Issue	Drawn	Approved	Date



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Project Manager S. SNOW	Date 04/2020	COVER SHEET Project No. 11207990
This document shall not be used for construction unless signed and sealed for construction.		Original Size ANSI D Sheet No. G001 Sheet 1 of 14

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LIST OF ABBREVIATIONS

YARD PIPING LEGEND

SINGLE LINE

90° BEND

45° BEND

CENTER LINE CONSTRUCTION POINTS

CP ELEVATION ELEC ELECTRIC DUCT BANK

INV INVERT (PIPE) LOW LIMIT OF WORK

NTS NOT TO SCALE STD STANDARD TYP **TYPICAL**

DEMO

CL

PIPES

CATCH BASIN

SAVE / SALVAGE / PROTECT

AST ABOVE GROUND STORAGE TANK NTS / N.T.S. NOT TO SCALE MANHOLE

LIST OF PIPING DESIGNATIONS

PROCESS

INFLUENT EFF EFFLUENT SANITARY SEWER SS

REUSE RECLAIMED WATER OR REUSE

POTABLE WATER RAW WATER

MATERIAL

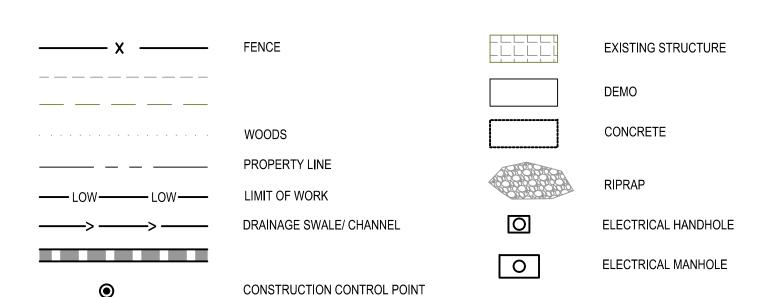
C ISSUED FOR BID

B | 100% DEMO PLANS

A 60% DEMO PLANS

DUCTILE IRON PIPE POLYVINYL CHLORIDE PIPE

CIVIL LEGEND



LEE COUNTY GENERAL NOTES:

- 1. ALL WORK SHALL CONFORM TO LATEST REVISION OF THE LEE COUNTY UTILITIES (LCU) DESIGN MANUAL WHICH IS AVAILABLE ON THE LEE COUNTY WEB-PAGE VIA THE FOLLOWING LINK: HTTPS://WWW.LEEGOV.COM/UTILITIES/DESIGN-MANUAL. THE LCU "MANUAL OF STANDARDS FOR THE DESIGN, CONSTRUCTION, AN MAINTENANCE OF WATER AND WASTEWATER SYSTEMS (LATEST EDITION)" ARE TO BE CONSIDERED PART OF THESE DOCUMENTS AND CONSTRUCTION SHALL BE ENFORCED TO AT LEAST THESE MINIMUM STANDARDS.
- 2. ALL REGULATORY AND PERMITTING AGENCIES' REQUIREMENTS SHALL BE COMPLIED WITH AS WELL
- 3. ANY QUANTITIES SHOWN ON PLANS ARE NOT VERIFIED BY LCU. PIPE LENGTHS SHOWN ON THE PLANS ARE APPROXIMATE. ACTUAL PIPE LENGTHS ARE TO BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION.
- 4. THE INFORMATION PROVIDED IN THESE PLANS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF CONDITIONS THAT MAY BE ENCOUNTERED DURING THE COURSE OF WORK. ALL CONTRACTORS ARE DIRECTED. PRIOR TO BIDDING. TO CONDUCT WHATEVER INVESTIGATIONS THEY MAY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSION REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH THEIR BIDS WILL BE BASED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE HIS COMPLETE FAMILIARITY WITH THE PROJECT SITE AND COMPONENTS INCLUDING SUBSURFACE CONDITION OF SOIL AND GROUNDWATER TABLE. BY SUBMITTAL OF A BID FOR THE PROJECT, THE CONTRACTOR ACKNOWLEDGES HIS COMPLETE UNDERSTANDING AND RESPONSIBILITIES WITH RESPECT TO THE CONSTRUCTION ACTIVITIES REQUIRED UNDER THE SCOPE OF THIS PROJECT.
- ALL CONSTRUCTION WORK PERFORMED MUST BE DONE BY A CONTRACTOR LICENSED IN THE STATE OF FLORIDA TO DO THE WORK INTENDED.
- 6. A PRE-CONSTRUCTION MEETING IS REQUIRED BEFORE WORK MAY BEGIN. REQUIRED ATTENDEES INCLUDE BUT ARE NOT LIMITED TO; THE ENGINEER OF RECORD OR HIS DESIGNEE, THE DEMOLITION CONTRACTOR AND THE LCU PROJECT MANAGER AND INSPECTOR ASSIGNED TO THE PROJECT. LCU IS O BE NOTIFIED TWO (2) WORKING DAYS PRIOR TO THE PRE-CONSTRUCTION MEETING.
- ONE COPY OF THE LCU APPROVED/STAMPED CONSTRUCTION PLANS, ALL CONTRACT DOCUMENTS, REFERENCE DOCUMENTS, TECHNICAL DOCUMENTS AND REQUIRED CONSTRUCTION PERMITS SUBMITTED MUST BE KEPT AT THE SITE AND MAINTAINED IN GOOD ORDER. AS THE WORK PROGRESSES THE ENGINEER OR HIS DESIGNATED REPRESENTATIVE SHALL RECORD ON ONE SET OF REPRODUCIBLE DRAWINGS ALL CHANGES AND DEVIATIONS FROM THE ORIGINAL PLANS. HE SHALL RECORD THE EXACT LOCATION OF ALL CHANGES IN VERTICAL AND HORIZONTAL ALIGNMENT BY OFFSETS AND TIES AT EACH; SEWER, WATER, ELECTRIC, GAS, COMMUNICATION AND OTHER SERVICES BY OFF-SET DISTANCE TO PERMANENT IMPROVEMENTS SUCH AS BUILDING AND CURBS.
- 8. ALL WORK AND MATERIALS, WHICH DO NOT CONFORM TO LCU SPECIFICATIONS, ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE
- 9. ANY WORK PERFORMED WITHOUT THE KNOWLEDGE OF LCU IS SUBJECT TO RE-EXCAVATION, REMOVAL AND REPLACEMENT OF SAME TO BE DONE AT THE CONTRACTOR'S EXPENSE.

PLANS, BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT, LCU WILL NOT GUARANTEE ANY LOCATIONS AS SHOWN ON THESE PLANS OR THOSE OMITTED FROM THESE PLANS

- 10. LCU INSPECTION STAFF IS TO BE PRESENT FOR ALL HOT TAPS, PRESSURE TESTS AND FOR ANY NECESSARY INSPECTION. THE CONTRACTOR IS TO PROVIDE A MINIMUM OF TWO (2) WORKING DAYS NOTICE PRIOR TO SCHEDULING ANY OF THE ABOVE.
- 11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITIES BY ELECTRONIC METHOD AND BY HAND EXCAVATION IN COORDINATION WITH ALL UTILITY COMPANIES PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS. ANY AND ALL CONFLICTS OF EXISTING UTILITIES WITH PROPOSED IMPROVEMENTS SHALL BE RESOLVED BY THE ENGINEER AND THE COUNTY PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
- 12. THE CONTRACTOR SHALL VERIFY ALL UTILITIES AND PROVIDE AT LEAST TWO (2) WORKING DAYS NOTICE TO THE INDIVIDUAL UTILITY COMPANIES PRIOR TO CONSTRUCTION. PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING 48 HOURS BEFORE DIGGING: SUNSHINE STATE ONE CALL OF FLORIDA INC-> 1-(800)-432-4770 AND ANY OTHER KNOWN UTILITY IN WORK AREA.
- 13. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE
- 14. THE CONTRACTOR IS TO UNCOVER ALL EXISTING LINES BEING TIED INTO AND VERIFY GRADES BEFORE BEGINNING CONSTRUCTION.
- 15. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND TAKE ALL POSSIBLE PRECAUTIONS TO AVOID ANY DAMAGE TO ALL UNDERGROUND PIPELINES, TELEPHONE, CABLE TV, ELECTRIC LINES/CONDUITS AND STRUCTURES IN ADVANCE OF ANY CONSTRUCTION. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES THAT MAY OCCUR DUE TO HIS FAILURE TO EXACTLY LOCATE AND PROTECT EXISTING UTILITIES AND STRUCTURES.
- 16. ANYTHING NOT SHOWN ON THESE DRAWINGS SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND SHALL NOT CONSTITUTE AN EXTRA. UNLESS APPROVED BY THE ENGINEER OF RECORD.
- 17. THE CONTRACTOR SHALL CONTACT THE ENGINEER AND LCU IMMEDIATELY CONCERNING ANY CONFLICTS WITH LCU UTILITIES/STRUCTURES ARISING DURING CONSTRUCTION OF ANY FACILITIES SHOWN ON THESE DRAWINGS.
- 18. THE CONTRACTOR SHALL VERIFY ALL QUANTITIES SHOWN ON THE PLANS, IF ANY DISCREPANCIES IN QUANTITIES ARE FOUND, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD AND LCU.
- 19. THE CONTRACTOR SHALL REPLACE ALL PAVEMENT, CURBS, DRIVEWAYS, SIDEWALKS, FENCES, ETC., WITH THE SAME TYPE OF MATERIAL THAT WAS REMOVED DURING CONSTRUCTION OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL RESTORE ALL AREAS AFFECTED BY THE CONSTRUCTION TO ITS ORIGINAL CONDITION, OR BETTER.
- 20. ALL MATERIALS MUST CONFORM TO APPROVED SHOP DRAWINGS, ANY CHANGES MUST BE APPROVED BY THE ENGINEER AND THE COUNTY PRIOR TO INSTALLATION. FAILURE OF THE INSPECTOR TO CALL TO THE ATTENTION OF THE CONTRACTOR ANY ITEM NOT IN CONFORMANCE WITH PLANS AND SPECS SHALL NOT CONSTITUTE ACCEPTANCE OF THE ITEM.
- 21. ALL FRAMES, COVERS VALVE BOXES, METER BOXES AND MANHOLES SHALL BE ADJUSTED TO FINISHED GRADE UPON COMPLETION OF PAVING OR RELATED CONSTRUCTION. ALL VALVE PADS SHALL BE POURED IN PLACE. NO PRE-FORMED VALVE PADS WILL BE ALLOWED.
- 22. APPROPRIATE TURBIDITY CONTROL DEVICES (E.G. SILT FENCES, HAY BALES) WILL BE UTILIZED DURING ALL PHASES OF INSTALLATION AND GRADING. CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THE NOTICE OF INTENT AND NOTICE OF TERMINATION TO THE EPA IN COMPLIANCE WITH LEE COUNTY'S NPDES PERMIT.
- 23. CONTRACTOR IS RESPONSIBLE FOR DEVELOPING AND MAINTAINING AN EFFECTIVE STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
- 24. LCU REQUIRES 30" OF COVER FOR ALL UNDERGROUND PIPING EXCEPT UNDER PAVEMENT, WHERE 36" OF COVER IS REQUIRED. IF LCU REQUIRED COVER CANNOT BE MAINTAINED, THE CONTRACTOR SHALL PROVIDE OTHER METHODS OF CONSTRUCTION OR PIPE PROTECTION, WHICH SHALL FIRST BE APPROVED BY LCU AND THE ENGINEER, AT NO ADDITIONAL COST TO THE COUNTY. IF STATE AGENCIES REQUIRE ADDITIONAL COVER. MEETING THE REQUIREMENTS SHALL BE DONE AT NO ADDITIONAL COST TO THE COUNTY.
- 25. LCU REQUIRES THERE TO BE A MINIMUM OF TEN (10) FEET HORIZONTAL AND 18" VERTICAL SEPARATION BETWEEN POTABLE WATER & SANITARY SEWER MAINS. LCU ALSO REQUIRES MINIMUM OF TEN (10) FEET HORIZONTAL SEPARATION BETWEEN OTHER PUBLIC AND/OR PRIVATE UTILITIES, STRUCTURE(S), BUILDING(S), WALL(S), FOUNTAIN(S), FENCE(S) AND LCU INFRASTRUCTURE UNLESS SPECIFICALLY APPROVED BY LCU.
- 26. LCU REQUIRES THERE TO BE A MINIMUM OF FIVE (5) FEET HORIZONTAL SEPARATION BETWEEN LCU INFRASTRUCTURE AND DRAINAGE INFRASTRUCTURE, MITERED END SECTIONS, INLETS, ETC. LCU ALSO REQUIRES MINIMUM OF FIVE (5) FEET HORIZONTAL SEPARATION BETWEEN LCU INFRASTRUCTURE AND ALL NEW LIGHT POLE FOUNDATIONS.
- 27. AS THE WORK PROGRESSES THE CONTRACTOR SHALL RECORD ALL CHANGES AND DEVIATIONS FROM THE LCU STAMPED/APPROVED CONSTRUCTION PLANS. IN ADDITION, HE SHALL RECORD THE EXACT LOCATION OF ALL CHANGES IN VERTICAL AND HORIZONTAL ALIGNMENT WITH COORDINATES WITH RESPECT TO THE NAVD 1988 STATE PLANE FLORIDA WEST COORDINATE SYSTEM AS WELL AS ALL REQUIREMENTS SET FORTH IN THE LCU DESIGN MANUAL. THIS INFORMATION IS TO BE FORWARDED TO THE ENGINEER OF RECORD WHO PREPARED, SIGNED AND SEALED THE APPROVED CONSTRUCTION PLANS SO THAT HE CAN PREPARE 'RECORD DRAWINGS' PER THE REQUIREMENTS SET FORTH IN THE LCU DESIGN MANUAL.
- 28. THE CONTRACTOR SHALL PROVIDE SUFFICIENT PERSONNEL AND EQUIPMENT ON THE JOB AT ALL TIMES DURING CONSTRUCTION TO SATISFY THE SPECIFICATIONS AND TO COMPLETE THE WORK.

No. 44785

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- 29. LCU INSPECTION STAFF MAY OBSERVE PROJECT CONSTRUCTION. LCU TO BE NOTIFIED 24 HOURS IN ADVANCE TO OBSERVE ANY WORK INCLUDING BUT NOT LIMITED TO CONNECTIONS OR DISCONNECTIONS TO OR FROM EXISTING ACTIVE UTILITIES.
- 30. "AS-BUILT" DRAWINGS SHALL BE PROVIDED BY THE CONTRACTOR'S REGISTERED SURVEYOR TO THE ENGINEER. "AS-BUILT" INFORMATION SHALL BE PROVIDED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL INSTALL THE NECESSARY APPURTENANCES ON BURIED UTILITIES TO FACILITATE THE SURVEY AFTER CONSTRUCTION IS COMPLETED. COUNTY SHALL WITHHOLD FINAL ACCEPTANCE OF THE PROJECT UNTIL THE REQUIREMENT FOR RECORD DRAWINGS AND RELATED RECORDS HAS BEEN MET. RECORD DRAWINGS WITHOUT DETAILED FIELD VERIFIED HORIZONTAL AND VERTICAL LOCATIONS OF ALL FACILITIES SHOWN WILL BE REJECTED.

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GENERAL LEGEND

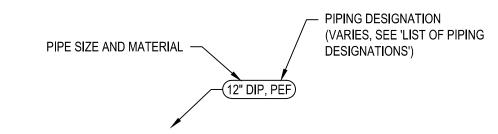
NEW GRAPHICS: EQUIPMENT, STRUCTURES, ETC., ARE SHOWN AS BOLD LINEWORK AND IN THIS TEXT FORMAT

EXISTING GRAPHICS; EQUIPMENT, CONDITIONS STRUCTURES, ETC. ARE SHOWN AS LIGHT LINEWORK AND IN THIS TEXT FORMAT.

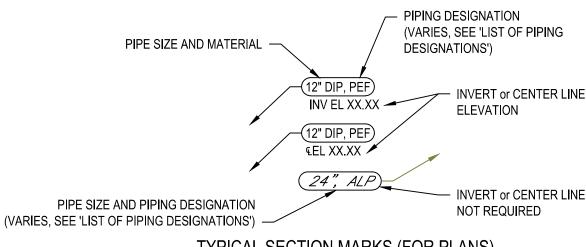
EXISTING PIPE CALLOUT (FOR PLANS)



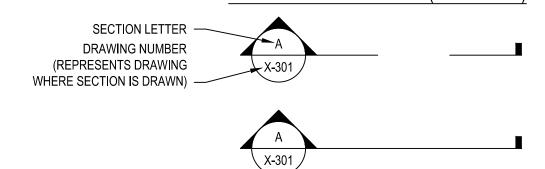
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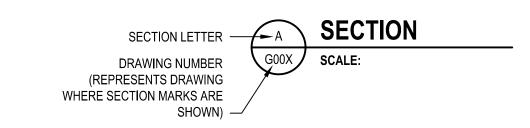
NEW/EXISTING PIPE CALLOUT (FOR SECTIONS)



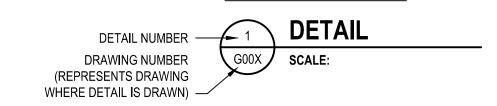
TYPICAL SECTION MARKS (FOR PLANS)



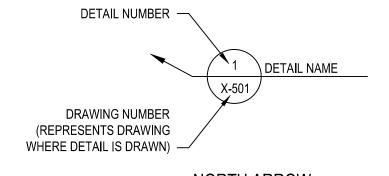
TYPICAL SECTION SUB-TITLE (FOR SECTIONS)



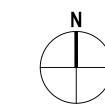
TYPICAL DETAIL MARKS



TYPICAL DETAILING



NORTH ARROV



Project FORT MYERS BEACH WWTP PLANT SELECTIVE DEMOLITION

Sheet **2** of **14**

GENERAL NOTES

Project No. **11207990**

Drawn R. CHEVALIER D. TALLMAN S. PIKE Check 05/2020 S. SNOW Manager

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Plotted By: John Forney Filename: C:\US\Tampa\Projects\565\11207990\Digital_Design\ACAD 2018\Figures\FMB WWTP\Fort Myers Beach Demo Design Issued for Bid\General\11207990-G002.dwg

SCS

SCS

JR

04/2020

02/2020

RDC

RDC

DEMOLITION NOTES:

- 1. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER AND OWNER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY DEMOLITION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES FOR ON-SITE LOCATIONS OF EXISTING UTILITIES.
- 2. THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, SUPERVISION AND EQUIPMENT REQUIRED FOR THE ORDERLY DEMOLITION AND REMOVAL OF EXISTING STRUCTURES AND UTILITIES AS SHOWN ON THE DRAWINGS AND DESCRIBED HEREIN.
- 3. THE CONTRACTOR IS REQUIRED TO BECOME FAMILIAR WITH THE STRUCTURES AND ASSOCIATED MATERIALS AND APPURTENANCES TO BE DEMOLISHED. A BRIEF DESCRIPTION OF THE STRUCTURES IS INCLUDED FOR THE CONTRACTOR'S CONVENIENCE ONLY. THE DRAWINGS INDICATE THE SCOPE OF DEMOLITION WHERE DEMOLITION IS REQUIRED.
- 4. UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS, ALL PIPING THAT IS SCHEDULED TO BE DEMOLISHED THAT IS WITHIN THREE (3) FEET OF THE GROUND SURFACE SHALL BE REMOVED FOR PROPER DISPOSAL. CONTRACTOR SHALL PROVIDE AND INSTALL CLEAN BACKFILL AS REQUIRED TO RETURN GROUND SURFACE TO AN ELEVATION MATCHING SURROUNDING ELEVATIONS.
- FOR DEMOLITION THAT IS GREATER THAN THREE (3) FEET BELOW LAND SURFACE SHALL BE ABANDONED IN-PLACE AND CAPPED. IF THE ABANDONED PIPE APPEARS STRUCTURALLY INSUFFICIENT, IT SHALL BE ABANDONED IN-PLACE USING FLOWABLE FILL OR GROUT. CONTRACTOR SHALL NOTIFY THE ENGINEER AND OWNER OF ANY SUCH PIPE, AND ENGINEER/OWNER SHALL DETERMINE WHETHER FLOWABLE FILL OR GROUT IS NECESSARY. PIPE THAT IS ABANDONED IN PLACE SHALL BE SURVEYED TO PROVIDE LOCATION AND ELEVATION INFORMATION ON RECORD DRAWINGS FOR ALL END-POINTS AND ANY UNKNOWN BENDS OF PIPE ABANDONED IN PLACE.
- 6. UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS, PIPING THAT EXTENDS FROM GREATER THAN THREE (3) FEET BELOW LAND SURFACE UP TO OR BEYOND LAND SURFACE, SHALL BE REMOVED DOWN TO EITHER 3 FEET BELOW LAND SURFACE OR TO THE FIRST JOINT BELOW LAND SURFACE, WHICHEVER IS HIGHER. THESE LOCATIONS SHALL BE SURVEYED TO PROVIDE LOCATION AND ELEVATION INFORMATION ON RECORD DRAWINGS.
- 7. UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS, ALL TANKAGE THAT IS SCHEDULED FOR DEMOLITION THAT IS WITHIN THREE (3) FEET BELOW LAND SURFACE SHALL BE DEMOLISHED ENTIRELY, INCLUDING ANY FOOTINGS. ANY FOOTINGS THAT EXTEND BEYOND THREE (3) FEET BELOW LAND SURFACE SHALL ALSO BE REMOVED IF NOT PRACTICABLE TO LEAVE IN PLACE.
- 8. UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS, ALL TANKAGE THAT IS SCHEDULED FOR DEMOLITION THAT EXTENDS BEYOND THREE (3) FEET BELOW LAND SURFACE SHALL BE DEMOLISHED TO APPROXIMATELY THREE (3) FEET BELOW LAND SURFACE AND A MINIMUM OF TWO (2) DRAIN HOLES INSTALLED IN THE BOTTOM OF EACH TANK AREA. TANKS THAT ARE ABANDONED IN PLACE SHALL BE SURVEYED TO PROVIDE LOCATION AND ELEVATION INFORMATION ON RECORD DRAWINGS.
- 9. UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS AS IN-SERVICE PIPING TO REMAIN IN-SERVICE, ALL PIPING WITHIN THE AREA PROPOSED FOR DEMOLITION THAT IS ASSOCIATED WITH THE STRUCTURES SCHEDULED FOR DEMOLITION SHALL BE DEMOLISHED OR ABANDONED IN-PLACE PER THE PLANS AND SPECIFICATIONS, WHETHER OR NOT THE PIPING IS SHOWN OR DESCRIBED ON THE PLANS AND IN THE SPECIFICATIONS.
- 10. IF PIPING TO BE DEMOLISHED OR ABANDONED IN-PLACE EXTENDS BEYOND THE LIMITS OF DEMOLITION, THE PIPING SHALL BE DEMOLISHED OR ABANDONED IN-PLACE UP TO THE LIMITS OF DEMOLITION. PIPING EXTENDING BEYOND LIMITS OF DEMOLITION MAY BE CUT/CAPPED AT THE LIMITS OF DEMOLITION AND SURVEYED.
- 11. WHEREVER DEMOLITION ACTIVITIES RESULT IN REMOVAL OF MATERIALS, SUCH AS PIPING, TANKAGE, FOOTINGS, TANK OR PIPE BEDDING, ETC., THE CONTRACTOR SHALL PROVIDE AND INSTALL CLEAN BACKFILL AS REQUIRED TO PROVIDE A GROUND SURFACE MATCHING SURROUNDING GROUND SURFACE ELEVATIONS. FOR ALL TANKS ABANDONED IN-PLACE, THE CONTRACTOR SHALL PROVIDE AND INSTALL CLEAN BACKFILL AS REQUIRED TO PROVIDE A GROUND SURFACE MATCHING SURROUNDING ELEVATIONS.
- 12. WHEREVER DEMOLITION ACTIVITIES RESULT IN FACILITIES ABANDONED IN-PLACE, SUCH AS PIPING OR TANKAGE, THE CONTRACTOR SHALL SURVEY ALL FACILITIES ABANDONED IN-PLACE TO PROVIDE LOCATION AND ELEVATION INFORMATION ON RECORD DRAWINGS.
- 13. EXISTING GROUND SURFACES, SUCH AS GRAVEL, PAVING, AND GRASS, THAT ARE NOT DISTURBED DURING DEMOLITION/CONSTRUCTION ACTIVITIES SHALL REMAIN AS-IS. FOLLOWING ALL DEMOLITION/CONSTRUCTION WORK, THE CONTRACTOR SHALL PROVIDE A LEVEL GROUND SURFACE THAT MATCHES THE SURROUNDING GROUND SURFACE ELEVATIONS. DISTURBED GROUND SURFACES THAT ARE NOT PAVEMENT OR GRAVEL SHALL BE SEEDED.
- 14. SELECT FACILITIES/TANKS AT THE SITE ARE OPEN-TOP AND COLLECT AND HOLD RAINWATER. THE AMOUNT OF WATER IN THE TANKS VARIES DEPENDING ON PRECIPITATION AND EVAPORATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HANDLING THE AMOUNT OF WATER IN THE TANKS AT THE TIME OF DEMOLITION. TANK WATERS MAY BE DEWATERED TO ON-SITE STORMWATER PONDS OR ON-SITE OR NEARBY WASTEWATER COLLECTION FACILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK AND COSTS ASSOCIATED WITH DEWATERING TANKS AS REQUIRED TO PERFORM DEMOLITION ACTIVITIES.
- 15. IF TANK WATERS WILL BE DEWATERED TO ON-SITE STORMWATER PONDS, THE CONTRACTOR SHALL VERIFY THE REQUIRED ANALYSES WITH LEE COUNTY NATURAL RESOURCES AND MAY INCLUDE, BUT NOT BE LIMITED TO, STANDARD EPA METHODS FOR TOTAL NITROGEN, TOTAL PHOSPHORUS, AND E. COLIFORM. DEWATERING TO ON-SITE STORMWATER PONDS REQUIRES THE USE OF FILTER BAGS PRIOR TO DISCHARGE. DEWATERING TO ON-SITE STORMWATER PONDS REQUIRES COORDINATION WITH OWNER AND LEE COUNTY NATURAL RESOURCES REGARDING THE PLANNED DISCHARGES TO STORMWATER PONDS INCLUDING INSPECTION OF THE SYSTEM BY LEE COUNTY NATURAL RESOURCES TO VERIFY SUSPENDED SOLIDS ARE BEING REMOVED PRIOR TO DISCHARGE AND NO BREAKTHROUGH OF THE FILTER BAGS.
- 16. IF TANK WATERS AT THE PLANT WILL BE DEWATERED TO ON-SITE OR NEARBY WASTEWATER COLLECTION SYSTEM FACILITIES, THE CONTRACTOR SHALL VERIFY ANY REQUIRED ANALYSES WITH LEE COUNTY UTILITIES. DEWATERING TO ON-SITE OR NEARBY WASTEWATER COLLECTION SYSTEM REQUIRES THE USE OF FILTER BAGS PRIOR TO DISCHARGE. DEWATERING TO WASTEWATER COLLECTION SYSTEM REQUIRES COORDINATION WITH OWNER INCLUDING INSPECTION OF THE SYSTEM TO VERIFY SUSPENDED SOLIDS ARE BEING REMOVED PRIOR TO DISCHARGE AND NO BREAKTHROUGH OF THE FILTER BAGS. PER LEE COUNTY UTILITIES, THERE SHALL BE NO SOLIDS IN THE LIQUIDS DISCHARGED TO THE WASTEWATER COLLECTION SYSTEM
- 17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL SAMPLING AND LABORATORY ANALYSES OF THE WATERS WITHIN THE FACILITIES SCHEDULED FOR DEMOLITION AS REQUIRED BY THE AVAILABLE OPTIONS FOR DISCHARGE TO EITHER THE ON-SITE STORMWATER PONDS OR NEARBY WASTEWATER COLLECTION SYSTEM.

- 18. SELECT FACILITIES/TANKS AT THE SITE CONTAIN FILTER MATERIAL OR OTHER SEDIMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK AND COSTS ASSOCIATED WITH HANDLING AND DISPOSAL OF ALL TANK CONTENTS AS REQUIRED TO PERFORM DEMOLITION ACTIVITIES. SELECT SAMPLING AND ANALYSES HAVE BEEN PERFORMED ON TANK CONTENTS BY THE ENGINEER AND A REPORT WITH PROPOSED WASTE CHARACTERIZATION FOR DISPOSAL IN A WASTE MANAGEMENT, INC. LANDFILL IS INCLUDED IN THE TECHNICAL SPECIFICATIONS. AT CONTRACTOR COST, THE CONTRACTOR MAY PERFORM ANY ADDITIONAL ANALYSES REQUIRED FOR APPROVAL TO USE SELECT TANK CONTENTS FOR ON-SITE GRADING. USE FOR ON-SITE GRADING REQUIRES REVIEW AND APPROVAL BY ENGINEER AND OWNER. AT HIS COST, CONTRACTOR MAY PERFORM ADDITIONAL SAMPLING AND WASTE CHARACTERIZATION TO PROPERLY DISPOSE OF TANK CONTENTS IN A LANDFILL OTHER THAN THE SELECTED WASTE MANAGEMENT, INC. LANDFILL.
- 19. UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS AS IN-SERVICE FACILITIES TO REMAIN IN-SERVICE (I.E. SAVED OR PROTECTED), CONTRACTOR SHALL ASSUME THAT ALL EQUIPMENT, PIPING, PIPE SUPPORTS, TANKAGE, CONTROL PANELS, BUILDINGS, STAIRCASES, CONCRETE PADS, ELECTRICAL EQUIPMENT AND WIRING, INSTRUMENTATION EQUIPMENT AND WIRING, CONDUITS, EQUIPMENT/PIPING AND MATERIALS WITHIN AND ATTACHED TO TANKS, AND ASSOCIATED APPURTENANCES WITHIN THE LIMITS OF DEMOLITION SHALL BE DEMOLISHED AS SPECIFIED, WHETHER OR NOT IT IS SHOWN OR DESCRIBED ON THE PLANS AND IN THE SPECIFICATIONS. IF THERE IS ANY QUESTION ABOUT THE DEMOLITION OF A FACILITY, THE CONTRACTOR SHALL VERIFY WITH OWNER PRIOR TO BIDDING.
- 20. AN ELEVATION/TOPO/PLAN/FACILITIES SURVEY WAS NOT CONDUCTED TO DEVELOP THESE PLANS. ALL LOCATIONS AND DIMENSIONS PROVIDED ON THE PLANS AND IN THE SPECIFICATIONS ARE APPROXIMATE AND SHOULD BE VERIFIED BY THE CONTRACTOR PRIOR TO SUBMITTING HIS BID.
- 21. AN ASBESTOS NESHAP DEMOLITION, LEAD-BASED PAINT, AND PCB CAULKING SURVEY REPORT FOR THE FACILITIES SCHEDULED FOR DEMOLITION IS INCLUDED IN THE TECHNICAL SPECIFICATIONS. LEAD BASED PAINT WAS IDENTIFIED ON SELECT FACILITIES SCHEDULED FOR DEMOLITION AT THE FORT MYERS BEACH WWTP. SEE SPECIFICATIONS AND SURVEY REPORT APPENDED TO THE TECHNICAL SPECIFICATIONS.
- 22. ALL EXISTING SEWERS, PIPING AND UTILITIES SHOWN ARE NOT TO BE INTERPRETED AS THE EXACT LOCATION, OR AS THE ONLY OBSTACLES THAT MAY OCCUR ON THE SITE. VERIFY EXISTING CONDITIONS AND PROCESS WITH CAUTION AROUND ANY ANTICIPATED FEATURES. GIVE NOTICE TO ALL UTILITY COMPANIES REGARDING DESTRUCTION AND REMOVAL OF ALL SERVICE LINES BEFORE PROCEEDING WITH THE WORK.
- 23. ELECTRICAL, TELEPHONE, CABLE WATER, FIBER OPTIC CABLE AND/OR GAS LINES NEEDING TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE UTILITY COMPANY IS A NECESSITY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE.
- 24. PROVIDE ADEQUATE PROTECTION FOR PERSONS AND PROPERTY AT ALL TIMES. EXECUTE THE WORK IN A MANNER TO AVOID HAZARDS TO PERSONS AND PROPERTY AND PREVENT INTERFERENCE WITH THE USE OF AND ACCESS TO ADJACENT BUILDINGS AND FACILITIES. ACCESS DRIVES SHALL NOT BE UNNECESSARILY BLOCKED BY DEBRIS AND EQUIPMENT.
- 25. CONTRACTOR MUST STOP OPERATION AND NOTIFY THE OWNER FOR PROPER DIRECTION IF ANY ENVIRONMENTAL OR HEALTH RELATED CONTAMINATE IS ENCOUNTERED DURING THE DEMOLITION/EXCAVATION PROCESS.
- 26. DISPOSAL: REMOVE AND LEGALLY DISPOSE OF ALL RUBBISH, RUBBLE, AND DEBRIS. COMPLY WITH ALL APPLICABLE LAWS AND REGULATIONS GOVERNING DISPOSAL OF WASTE AND DEBRIS.
- 27. CONTINUOUS ACCESS SHALL BE MAINTAINED FOR THE SURROUNDING PLANT FACILITIES AT ALL TIMES DURING DEMOLITION OF THE EXISTING FACILITIES UNLESS APPROVED IN ADVANCE BY OWNERS.
- 28. PERMITTING: IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ANY REQUIRED PERMITTING FOR DEMOLITION FROM RESPONSIBLE REGULATORY AGENCIES AND FULLY ACKNOWLEDGE AND COMPLY WITH ALL REQUIREMENTS PRIOR TO COMMENCING DEMOLITION WORK.
- 29. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE THE EXTENT OF DEMOLITION REQUIRED IN ORDER TO PERFORM THE CONTRACT WORK FOR THE PROJECT. THE CONTRACTOR SHALL CONDUCT SITE VISITS AND SHALL EXAMINE ALL OF THE INFORMATION WITHIN THESE DOCUMENTS: ALL DISCREPANCIES AND/OR OMISSIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BID SUBMITTAL.
- 30. SHOULD REMOVAL AND/OR RELOCATION ACTIVITIES DAMAGE EXISTING PAVEMENT, LIGHTING AND/OR STORM INLET STRUCTURE OR PIPING THE CONTRACTOR SHALL PROVIDE NEW MATERIALS/ STRUCTURES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. EXCEPT FOR MATERIALS DESIGNED TO BE REMOVED ON THIS PLAN, ALL OTHER CONSTRUCTION MATERIALS SHALL BE NEW.
- 31. CONTRACTOR MAY LIMIT SAW-CUT AND PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THE PLANS, BUT IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT, SIDEWALK, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IT'S REMOVAL AND REPAIR.
- 32. CONTRACTOR SHALL BE RESPONSIBLE FOR ARRANGING/PROVIDING ANY REQUIRED UTILITY SHUTOFFS DURING CONSTRUCTION. ANY COSTS ASSOCIATED WITH UTILITY SHUTOFFS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NO EXTRA COST COMPENSATION WILL BE PROVIDED.
- 33. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ADEQUATE DRAINAGE IS PROVIDED TO THE EXISTING SITE DURING CONSTRUCTION. AT NO TIME SHALL THERE BE FLOODING ON THE SITE AS A RESULT OF THE DEMOLITION OR CONSTRUCTION.
- 34. POWER SUPPLY IS IN-SERVICE TO SELECT FACILITIES AT THE SITE. PROVIDE TEMPORARY POWERAS NECESSARY IN PLACES THAT DO NOT HAVE ACCESS TO EXISTING POWER SUPPLY SOURCES.
- 35. CONTRACTOR SHALL TRACE ALL ELECTRICAL LINES TO BE DEMOLISHED BACK TO THE RESPECTIVE MOTOR CONTROL CABINET (MCC). CONTRACTOR SHALL DISCONNECT APPLICABLE WIRING AT THE BUCKET IN THE MCC AND REMOVE/PULL ALL WIRE TO THE EXTENT PRACTICABLE TO THE RESPECTIVE BUCKET IN THE MCC. CONTRACTOR SHALL LEAVE BUCKETS IN PLACE, LABEL THE BUCKET AS "OUT-OF-SERVICE" AND COORDINATE LOCKOUT/TAG-OUT WITH OWNER. FOR ANY WIRE LEFT IN PLACE, THE CONTRACTOR SHALL CAP THE WIRE(S) AT BOTH ENDS AND LABEL BOTH ENDS.
- 36. CONTRACTOR SHALL ABANDON IN-PLACE ALL ELECTRICAL DUCT BANK, CUT AND CAP AT END POINTS, AND PROVIDE SURVEY OF DUCT BANK(S) ABANDONED IN PLACE INCLUDING, BUT NOT LIMITED TO, LOCATION AND ELEVATION INFORMATION OF DUCT BANK END POINTS.
- 37. RECORD DRAWINGS SHALL INCLUDE A SKETCH OF MCCS INDICATING BUCKETS THAT HAVE BEEN PLACED OUT-OF-SERVICE.

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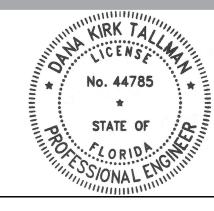
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No.	Issue	Drawn	Approved	Date

Plotted By: John Forney







Drawn	R. CHEVALIER	Designer	S.SNOW	Client
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Drafting Check	S. PIKE	Design Check	D. TALLMAN	Title
Project Manager	S. SNOW	Date	05/2020	Project N
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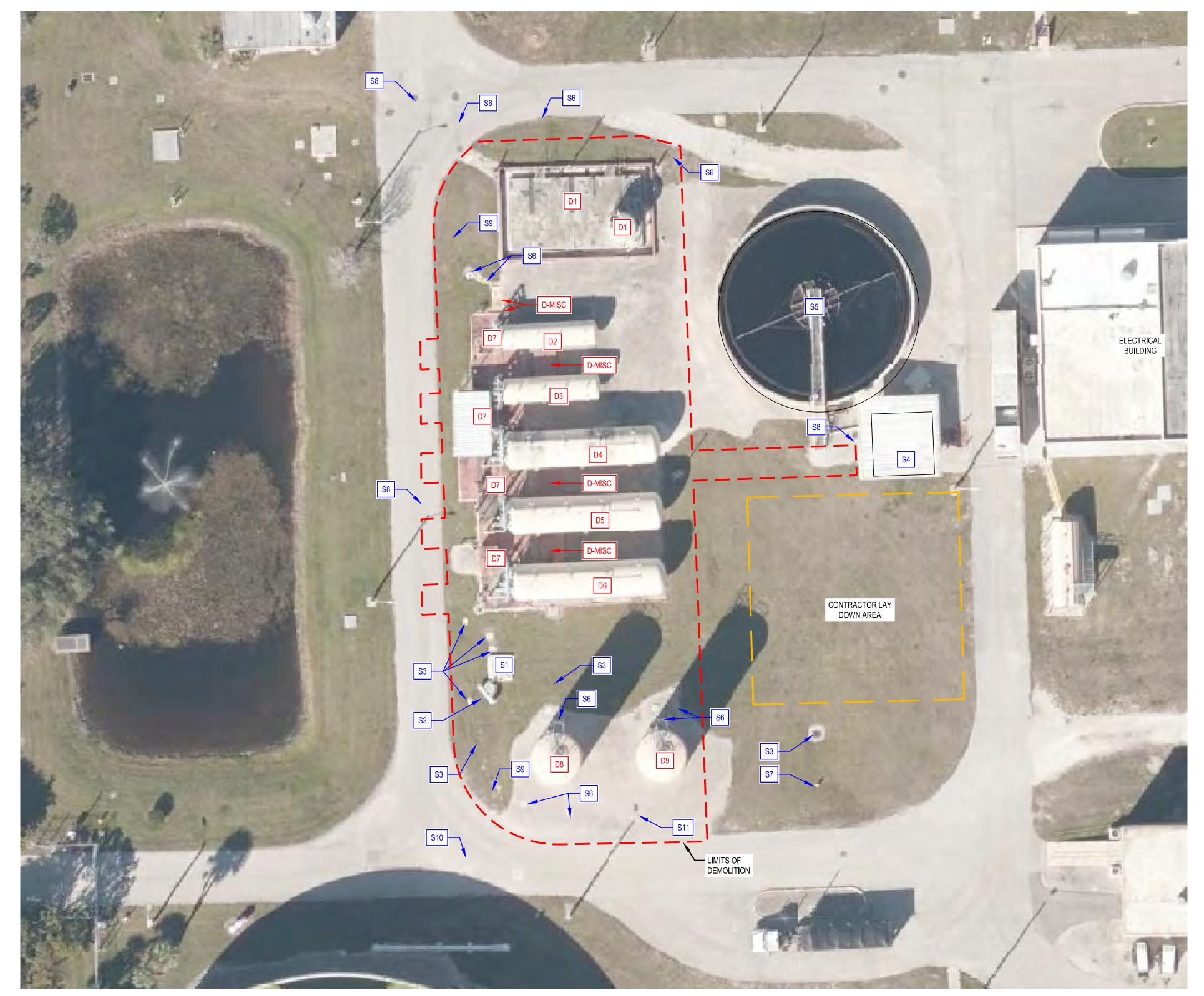
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LEE COUNTY UTILITIES, FLORIDA

roject FORT MYERS BEACH WWTP PLANT SELECTIVE DEMOLITION

DEMOLITION GENERAL NOTES

roject No. 11207990



DEMOLITION ("D")		
REFERENCE NO.	FEATURE NAME	
D1	CHEMICAL STORAGE CONTAINMENT	
D2	PRESSURE FILTER No. 1	
D3	PRESSURE FILTER No. 2	
D4	PRESSURE FILTER No. 3	
D5	PRESSURE FILTER No. 4	
D6	PRESSURE FILTER No. 5	
D7	FILTER EQUIPMENT PAD	
D8	CHLORINE CONTACT TOWER No. 1	
D9	CHLORINE CONTACT TOWER No. 2	
D-MISC	MISC ITEMS WITHIN AREA OF DEMOLITION	
D-MISC	MISC ITEMS WITHIN AREA OF DEMOLITION	

SAVE ("S") / PROTECT			
REFERENCE NO.	FEATURE NAME		
S1	CONCRETE VAULT		
S2	ABOVE-GROUND PIPING		
S3	STORMWATER SYSTEM		
S4	PUMP SLAB AND AWNING		
S5	CLARIFIER TANK		
S6	IN-SERVICE VALVING		
S7	HYDRANT		
S8	SEWER SYSTEM		
S9	IN-SERVICE INFLUENT & EFFLUENT LINES		
S10	IN-SERVICE REUSE LINES		
S11	IN-SERVICE POTABLE LINES		

NOTES:

- 1. ACCESS TO THE FORT MYERS BEACH WWTP IS RESTRICTED. THE ACCESS GATE REMAINS CLOSED AT ALL TIMES WITH THE EXCEPTION OF INGRESS-EGRESS FROM THE SITE. THE FIRST PERSON ON SITE IN THE MORNING SHALL SIGN IN AT THE CONTROL ROOM ON A DAILY BASIS. THE LAST PERSON TO LEAVE THE SITE EACH DAY SHALL SIGN OUT.
- 2. THE FORT MYERS BEACH WWTP IS AN ACTIVE PLANT AND CONTRACTOR SHALL CONTAIN HIS WORK TO MINIMIZE DISRUPTION TO SURROUNDING ACCESS AND FACILITIES.
- 3. SEE SHEETS C005 AND C006 FOR DEMOLITION.
- 4. IDENTIFICATION NUMBERS HAVE BEEN ARBITRARILY ASSIGNED TO SELECT PRIMARY FACILITIES FOR EASE OF REFERENCE ONLY.THE NUMBERED FACILITIES DO NOT REPRESENT THE TOTAL NUMBER OR EXTENT OF FACILITIES SCHEDULED FOR DEMOLITION. SEE DEMOLITION PLANS AND SCHEDULES AND ASSUME ALL EQUIPMENT (I.E. ELECTRICAL, MECHANICAL, AND INSTRUMENTATION), TANKAGE, FOOTINGS, CONCRETE PADS, CONTENTS, PIPING, AND MATERIALS, ETC. ASSOCIATED WITH THE ARBITRARILY NUMBERED FACILITIES IS PART OF THE DEMOLITION EXCEPT WHERE LIMITS OF DEMOLITION ARE OTHERWISE SPECIFIED.
- 5. THE TOP OF THE 24" EFFLUENT LINE WITHIN THE CONCRETE VAULT IS APPROXIMATELY 30" BELOW GROUND ELEVATION.

LEGEND:

— — LIMITS OF DEMOLITION

CONTRACTOR LAYDOWN AREA

DEMOLISH FEATURE

SAVE / PROTECT FEATURE

DI AN				N
PLAN				
SCALE: 1" = 20'	0	10'	20'	40'

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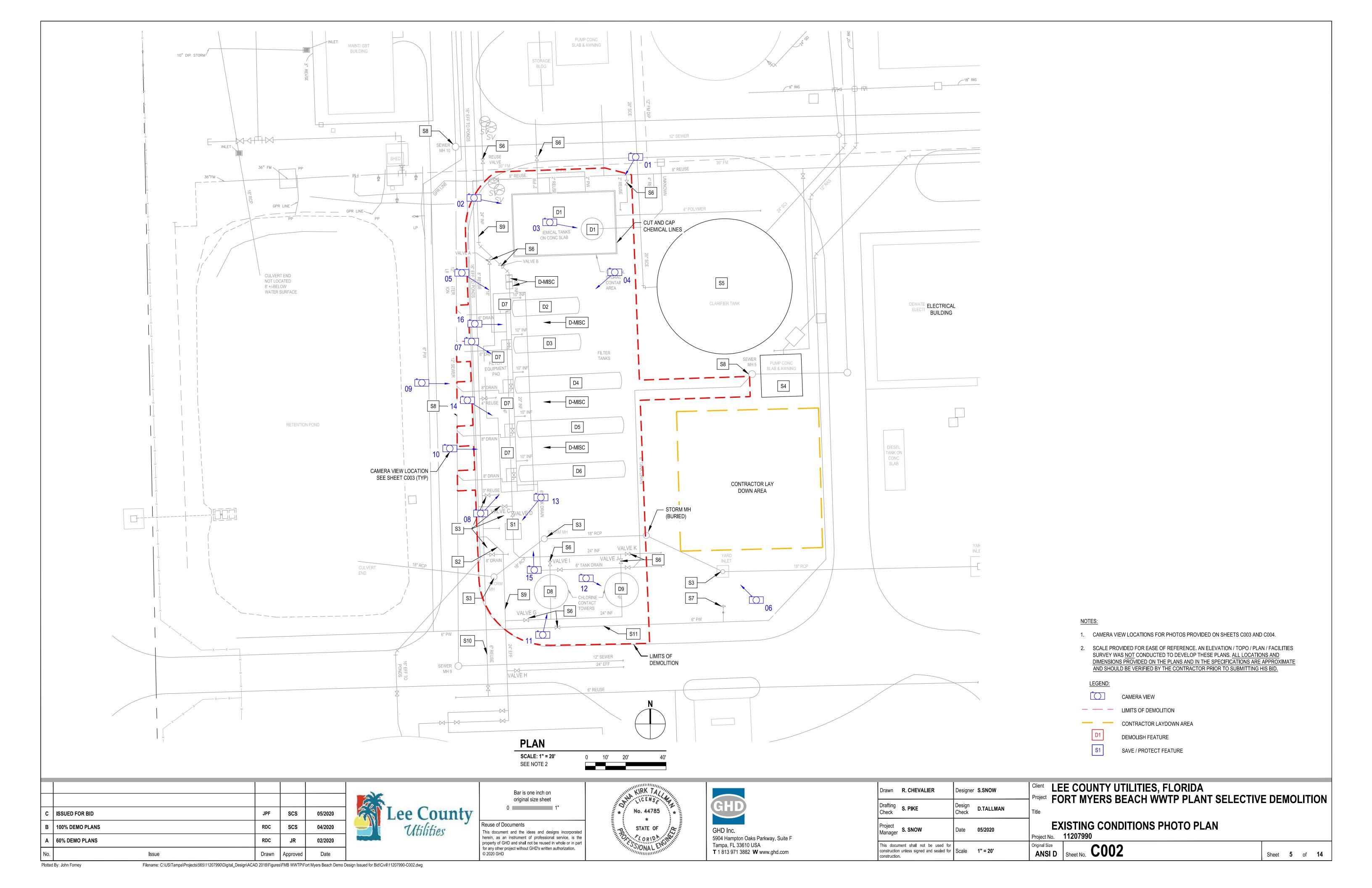
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Drafting Check	S. PIKE	Design Check	D. TALLMAN	Title	OKI WI	ieko de
Project Manager	S. SNOW	Date	05/2020	Project No.	4400000	L SITE P
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Client	LEE COUNTY UTILITIES, FLORIDA
	FORT MYERS BEACH WWTP PLANT SELECTIVE DEMOLITION

OVERALL SITE PLAN

Project No. 11207990
Original Size

Sheet **4** of **14**







CHEMICAL STORAGE CONTAINMENT (D1)

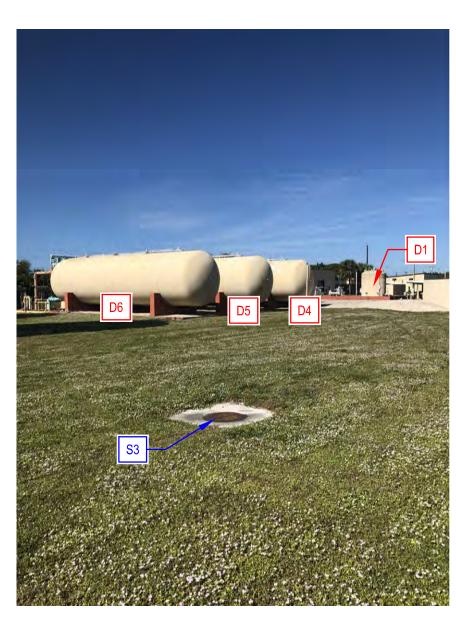




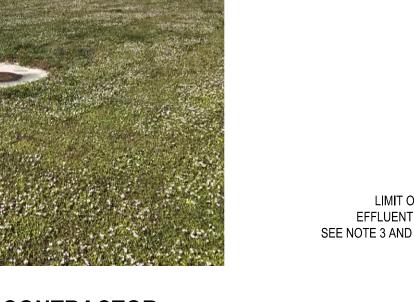


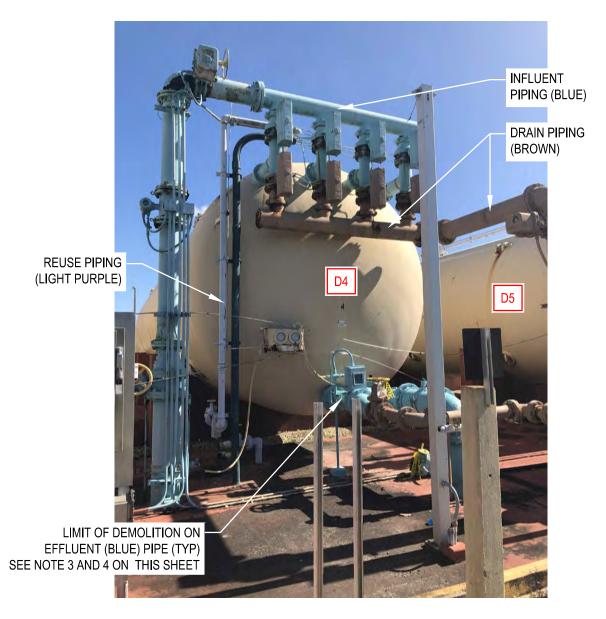






C002 SCALE: NTS









FILTER PIPING AND EQUIPMENT PAD (D2, D3, D7 & D8)





	POTABLE WATER LINE ON CONTAINMENT (D1) SIDE OF VALVE. SEE SHEET C006 FOR APPROXIMATE LOCATION.
2.	DEMOLITION OF TANKS INCLUDES CONCRETE TANK SUPPORTS, FOUNDATIONS, AND ALL NEARBY AND UNDERLYING CONCRETE PADS. DURING CONCRETE REMOVAL, EXISTING

TWO (2) POTABLE WATER SERVICE LINES TO CHEMICAL STORAGE AREA (D1) ARE IN-SERVICE. CONTRACTOR TO

COORDINATE WITH OWNER CLOSURE OF VALVE ON PIPELINE

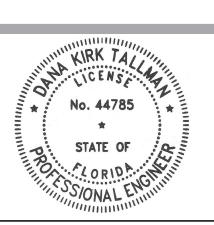
FEEDING THIS LOCATION. CONTRACTOR TO CUT AND CAP

- GRAVEL SHALL BE STOCKPILED FOR FINISH GRADING.
- 3. LEAD BASED PAINT IDENTIFIED ON SELECT PIPING SCHEDULED FOR DEMOLITION. SEE TECHNICAL SPECIFICATIONS.
- 4. EXTENT OF DEMOLITION AT EFFLUENT PIPE FROM EACH OF FIVE (5) FILTERS IS TANK SIDE OF VALVE. OWNER TO CONFIRM FOR CONTRACTOR THAT VALVE IS CLOSED. PIPING BETWEEN VALVE AND TANK SHALL BE DEMOLISHED. CONTRACTOR SHALL INSTALL BLIND FLANGE (BF) AT VALVE.

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Project Manager	S. SNOW	Date	05/2020	Proj
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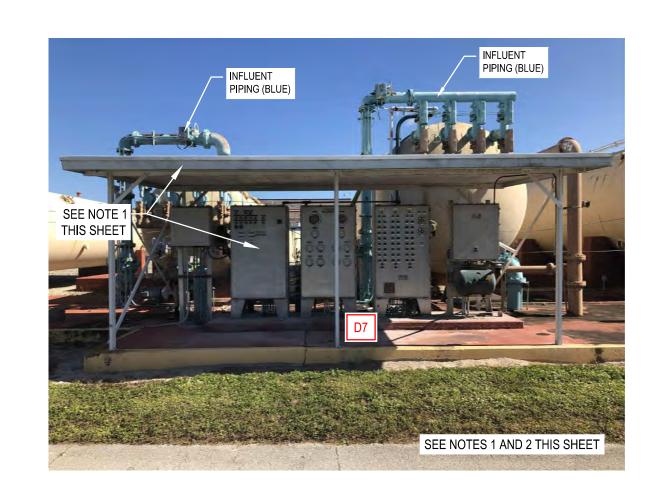
LEE COUNTY UTILITIES, FLORIDA Project FORT MYERS BEACH WWTP PLANT SELECTIVE DEMOLITION

PHOTO DETAIL PLAN 1

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ANSI D Sheet No. C003 Sheet 6 of 14

SEE NOTE 3 THIS SHEET



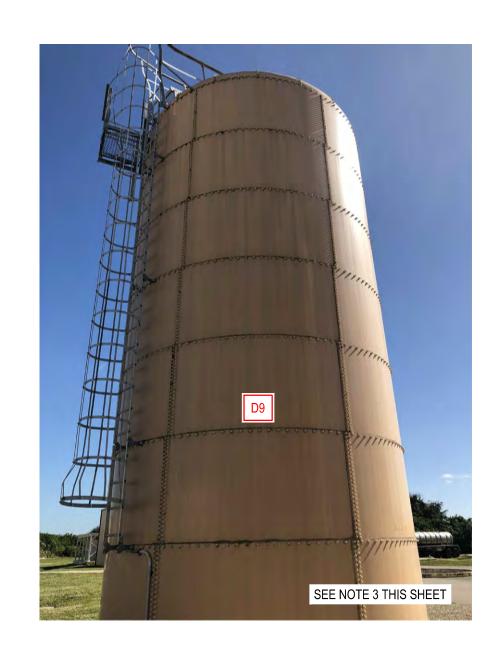




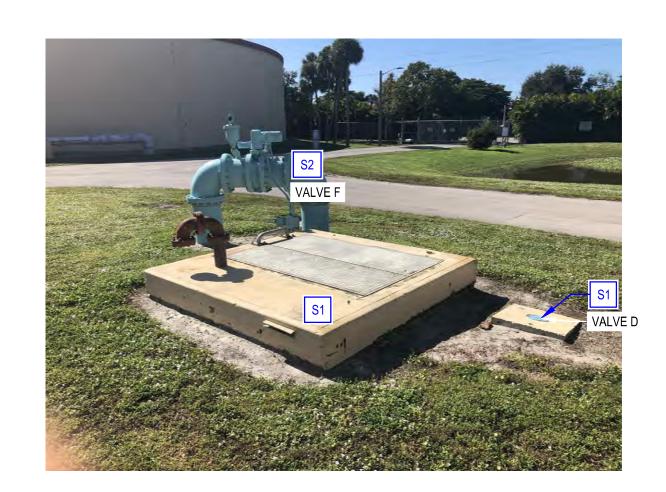
























EQUIPMENT PADS AND SUPPORTS (D-MISC)

SCALE: NTS

NOTES:

- 1. DEMOLITION OF FILTER EQUIPMENT PAD INCLUDES DEMOLITION OF ALL EQUIPMENT (ELECTRICAL, MECHANICAL, AND INSTRUMENTATION) STATIONED ON THE PAD, CANOPY STRUCTURE, AND SHED, INCLUDING, BUT NOT LIMITED TO, ELECTRICAL AND INSTRUMENTATION CONTROL PANELS, CONCRETE EQUIPMENT PADS, PUMPS, CONTENTS OF SHED, AND ASSOCIATED PIPING AND WIRING EXCEPT WHERE OTHERWISE SPECIFIED ON THESE DRAWINGS AND IN THE SPECIFICATION.
 - 2. CONTRACTOR SHALL BE AWARE THAT HISTORICAL POWER SUPPLIES TO THE EQUIPMENT TO BE DEMOLISHED ARE BELIEVED TO ORIGINATE FROM THE ELECTRICAL BUILDING FOR THE ENTIRE PLANT SITE, WHICH IS LOCATED TO THE EAST OF THE EQUIPMENT SCHEDULED FOR DEMOLITION. THE WORK OF CONTRACTOR SHALL NOT IMPACT THE POWER SUPPLY TO THE IN-SERVICE FACILITIES OF THE FORT MYERS BEACH WWTP.

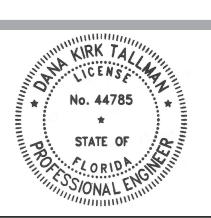
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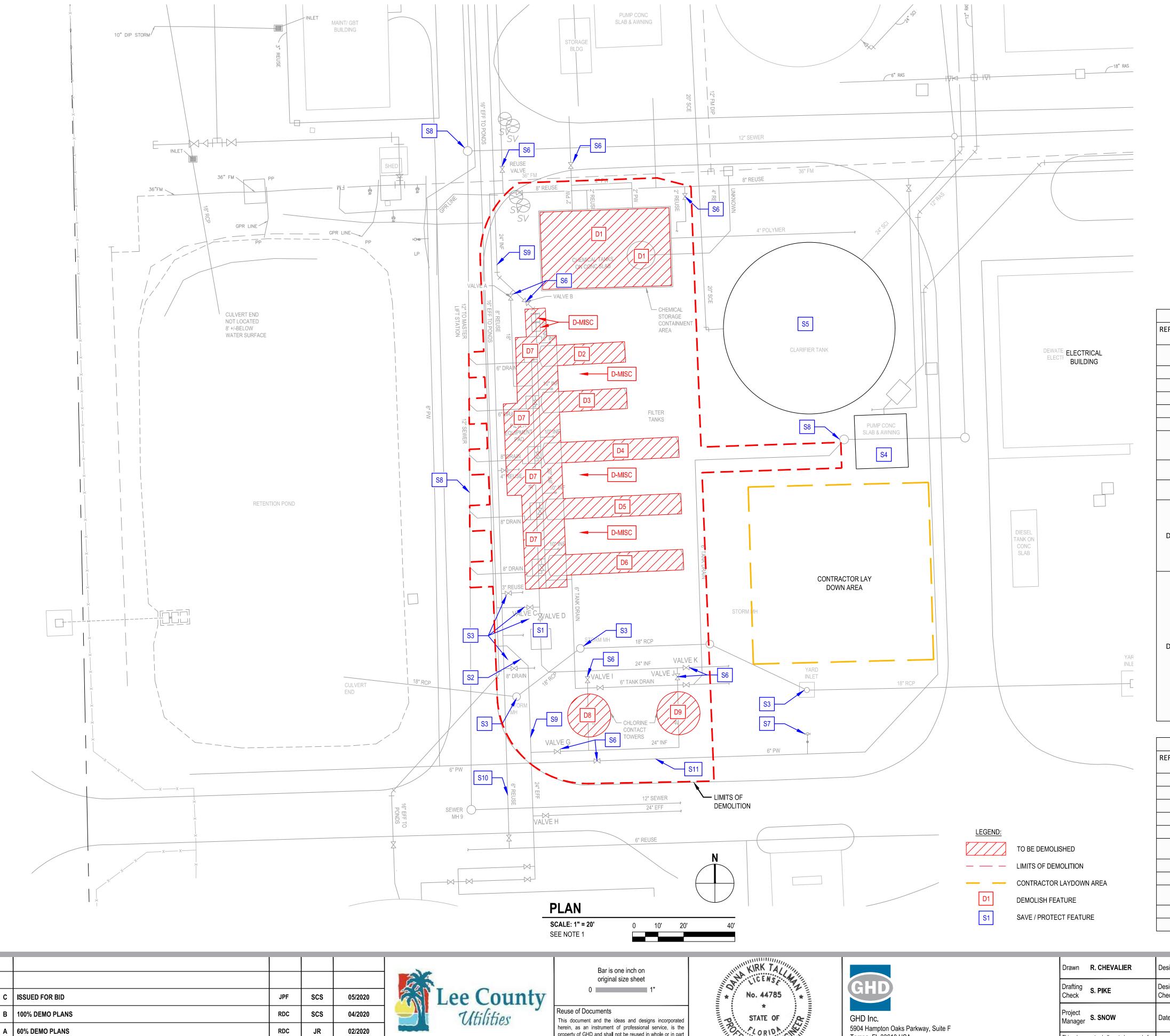
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Project FORT MYERS BEACH WWTP PLANT SELECTIVE DEMOLITION

PHOTO DETAIL PLAN 2



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NOTES:

- 1. SCALE PROVIDED FOR EASE OF REFERENCE. AN ELEVATION / TOPO / PLAN / FACILITIES SURVEY WAS <u>NOT</u> CONDUCTED TO DEVELOP THESE PLANS. <u>ALL LOCATIONS AND DIMENSIONS</u> PROVIDED ON THE PLANS AND IN THE SPECIFICATIONS ARE APPROXIMATE AND SHOULD BE VERIFIED BY THE CONTRACTOR PRIOR TO SUBMITTING HIS BID.
- 2. SEE SHEET C006 FOR PIPING DEMOLITION PLAN AND NOTES.
- 3. CONTRACTOR SHALL PROTECT ALL FACILITIES THAT ARE IN-SERVICE INCLUDING IN-SERVICE INFLUENT PIPE, IN-SERVICE EFFLUENT PIPE, IN-SERVICE REUSE PIPE, VAULT FOR IN-SERVICE EFFLUENT PIPE, ABOVE-GROUND IN-SERVICE EFFLUENT PIPING (BLUE COLOR), STORMWATER COLLECTION SYSTEM INCLUDING CATCH BASINS AND PIPING, IN-SERVICE SANITARY SEWER AND DRAIN LINES INCLUDING MANHOLES, AND ALL ASSOCIATED VALVES AND VALVE BOXES.
- 4. DEMOLITION OF FACILITIES INCLUDES ALL ASSOCIATED EQUIPMENT (I.E. MECHANICAL, ELECTRICAL, AND INSTRUMENTATION), TANKAGE, TANK CONTENTS INCLUDING MEDIA, PIPING, AND APPURTENANCES UP TO THE LIMITS OF DEMOLITION AS DEFINED ON THE PLANS AND IN THE SPECIFICATIONS.
- 5. THE CONTRACTOR SHALL RETURN THE CONTRACTOR LAYDOWN AREA TO PRE-EXISTING CONDITIONS OR BETTER.
- 6. ALL FILTER VESSELS ARE OPEN (I.E. NO PRESSURE.)

			DEMOLITION ("D")			
REFERENCE NO.	FEATURE NAME	MATERIAL	SIZE/ DIMENSIONS (L x W x H)	NOTES		
D1	CHEMICAL STORAGE CONTAINMENT	CONCRETE	X BY X AND X-DIA AST	INCLUDES CONCRETE CONTAINMENT STRUCTURE, FOOTINGS, AND ONE ABANDONED CHEMICAL AST.		
D2	PRESSURE FILTER NO. 1	STEEL	8' D x 30' L			
D3	PRESSURE FILTER NO. 2	STEEL	0 DX 30 L	INCLUDES MEDIA INTERIOR TO TANK, EQUIPMENT INTERIOR TO TANKS, EXTERIOR PIPING AND		
D4	PRESSURE FILTER NO. 3	STEEL		APPURTANCES, CONCRETE TANK SUPPORTS AND		
D5	PRESSURE FILTER NO. 4	STEEL	12' D x 48' L	FOOTERS, AND CONCRETE PADS LOCATED BETWEEN TANKS.		
D6	PRESSURE FILTER NO. 5	STEEL				
D7	FILTER EQUIPMENT PAD	CONCRETE	2000 SF	INCLUDES PUMPS, ELECTRICAL EQUIPMENT, CANOPY, CHEMICAL FEED SHED, EQUIPMENT PADS, AND ASSOCIATED EQUIPMENT AND PIPING.		
D8	CHLORINE CONTACT TOWER NO. 1	STEEL	"16.78' D x 33' H	INCLUDES CONCRETE PAD, CONCRETE EQUIPMENT PADS, EXTERIOR AND INTERIOR APPURTANCES (E.G.		
D9	CHLORINE CONTACT TOWER NO. 2	STEEL	52,000 GAL "	ACCESS LADDER), AND ASSOCIATED PIPING.		
D-MISC	MISC ITEMS WITHIN AREA OF DEMOLITION	VARIES	VARIES	ALL PIPING WITHIN THE AREA PROPOSED FOR DEMOLITION THAT IS ASSOCIATED WITH THE STRUCTURES AND EQUIPMENT SCHEDULED FOR DEMOLITION SHALL BE DEMOLISHED OR ABANDONED IN-PLACE PER THE PLANS AND SPECIFICATIONS, WHETHER OR NOT THE PIPING IS SHOWN, LABELED, OR DESCRIBED ON THE PLANS AND IN THE SPECIFICATIONS.		
D-MISC	MISC ITEMS WITHIN AREA OF DEMOLITION	VARIES	VARIES	UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS AS ACTIVE FACILITIES TO REMAIN ACTIVE AND IN-SERVICE (I.E. SAVED OR PROTECTED), CONTRACTOR SHALL ASSUME THAT ALL EQUIPMENT, PIPING, TANKAGE, CONTROL PANELS, BUILDINGS, STAIRCASES, CONCRETE PADS, ELECTRICAL EQUIPMENT AND WIRING, INSTRUMENTATION EQUIPMENT AND WIRING, CONDUITS, EQUIPMENT/PIPING AND MATERIALS WITHIN AND ATTACHED TO TANKS, AND ASSOCIATED APPURTENANCES WITHIN THE LIMITS OF DEMOLITION SHALL BE DEMOLISHED AS SPECIFIED, WHETHER OR NOT IT IS SHOWN, LABELED, OR DESCRIBED ON THE PLANS AND IN THE SPECIFICATIONS. IF THERE IS ANY QUESTION ABOVE THE DEMOLITION OF A FACILITY, THE CONTRACTOR SHALL VERIFY WITH OWNER PRIOR TO BIDDING.		

	SAVE ("S") / PROTECT								
REFERENCE FEATURE NAME NO.		MATERIAL	SIZE/ DIMENSIONS (L x W x H)	NOTES					
S1	CONCRETE VAULT	N/A	N/A	NO DEMOLITION OR MODIFICATIONS					
S2	ABOVE-GROUND PIPING	N/A	Blue Piping	NO DEMOLITION OR MODIFICATIONS					
S3	STORMWATER SYSTEM	N/A	CBs, MHs, Piping	NO DEMOLITION OR MODIFICATIONS					
S4	PUMP SLAB AND AWNING	N/A	N/A	NO DEMOLITION OR MODIFICATIONS					
S5	CLARIFIER TANK	N/A	N/A	NO DEMOLITION OR MODIFICATIONS					
S6	ACTIVE/IN-SERVICE VALVING	VARIES	VARIES	NO DEMOLITION OR MODIFICATIONS					
S 7	HYDRANT	STEEL	VARIES	NO DEMOLITION OR MODIFICATIONS					
S8	SEWER SYSTEM	VARIES	VARIES	NO DEMOLITION OR MODIFICATIONS					
S9	IN-SERVICE INFLUENT & EFFLUENT LINES	VARIES	VARIES	NO DEMOLITION OR MODIFICATIONS					
S10	IN-SERVICE REUSE LINES	VARIES	VARIES	NO DEMOLITION OR MODIFICATIONS					
S11	IN-SERVICE POTABLE LINES	VARIES	VARIES	NO DEMOLITION OR MODIFICATIONS					

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ject	S. SNOW	Date	05/2020		STRUCTURE DEMOLITION PLAN AND SCHEDULE

Sheet 8 of 14

Project No. **11207990**

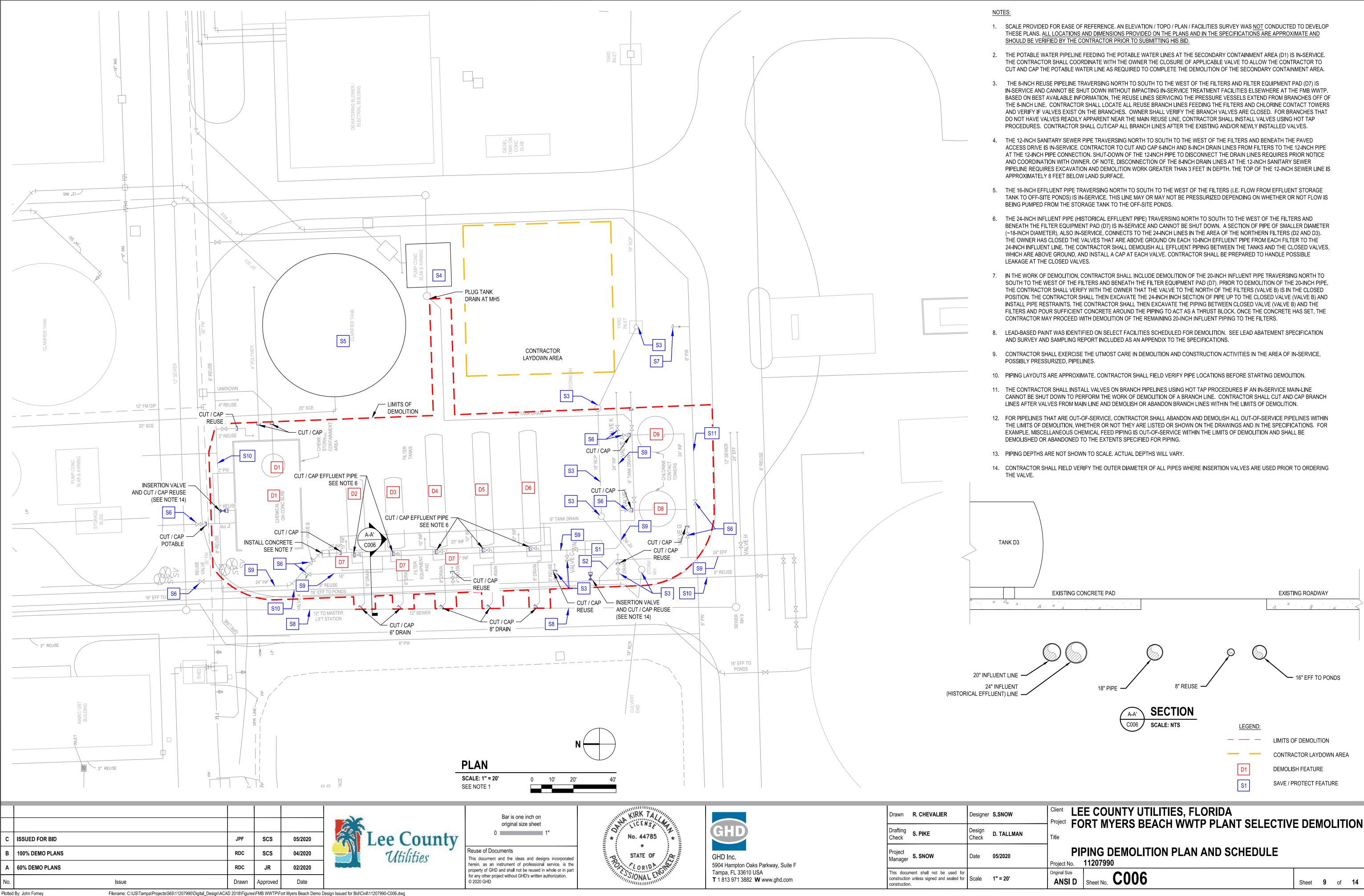
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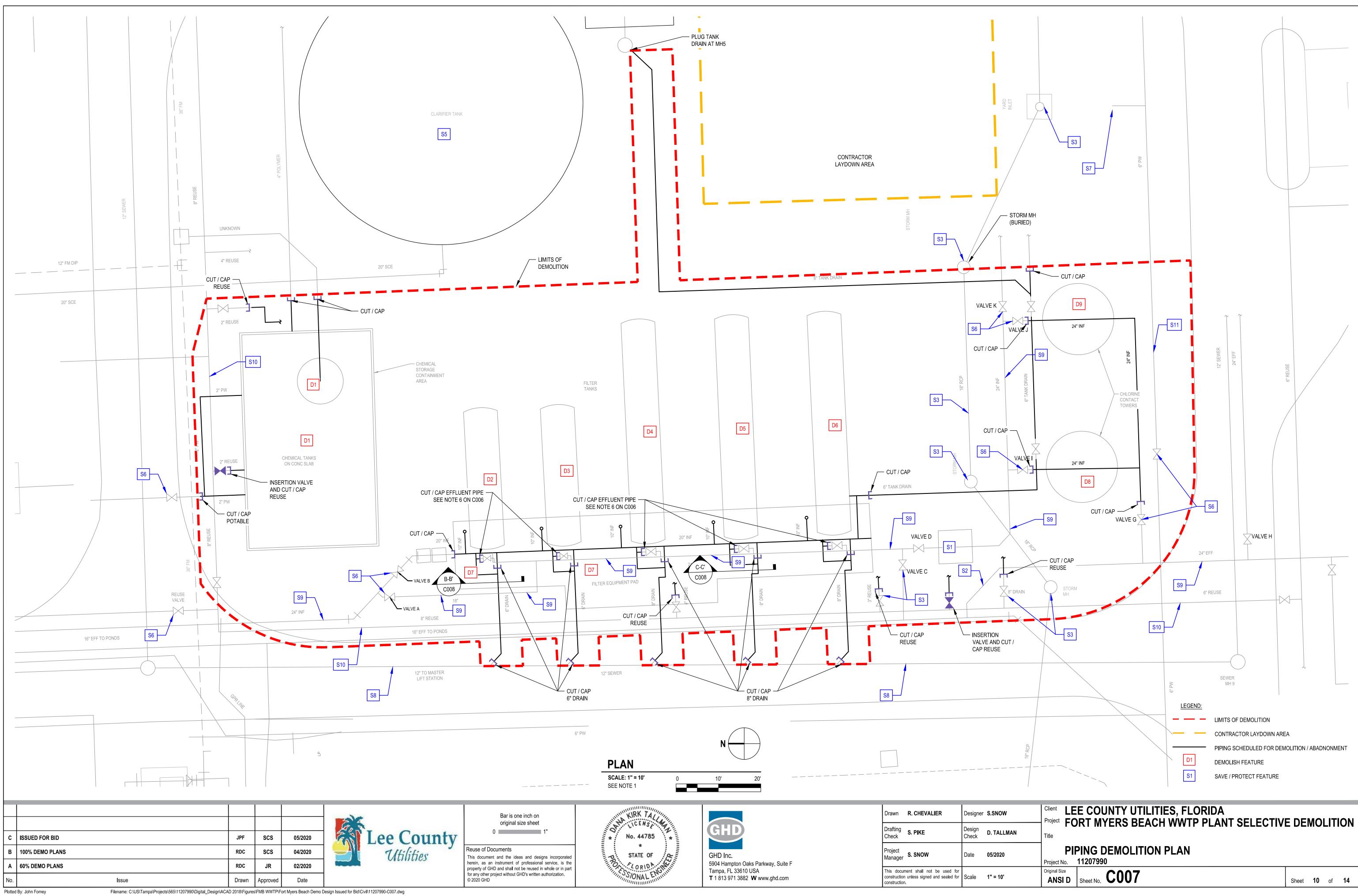
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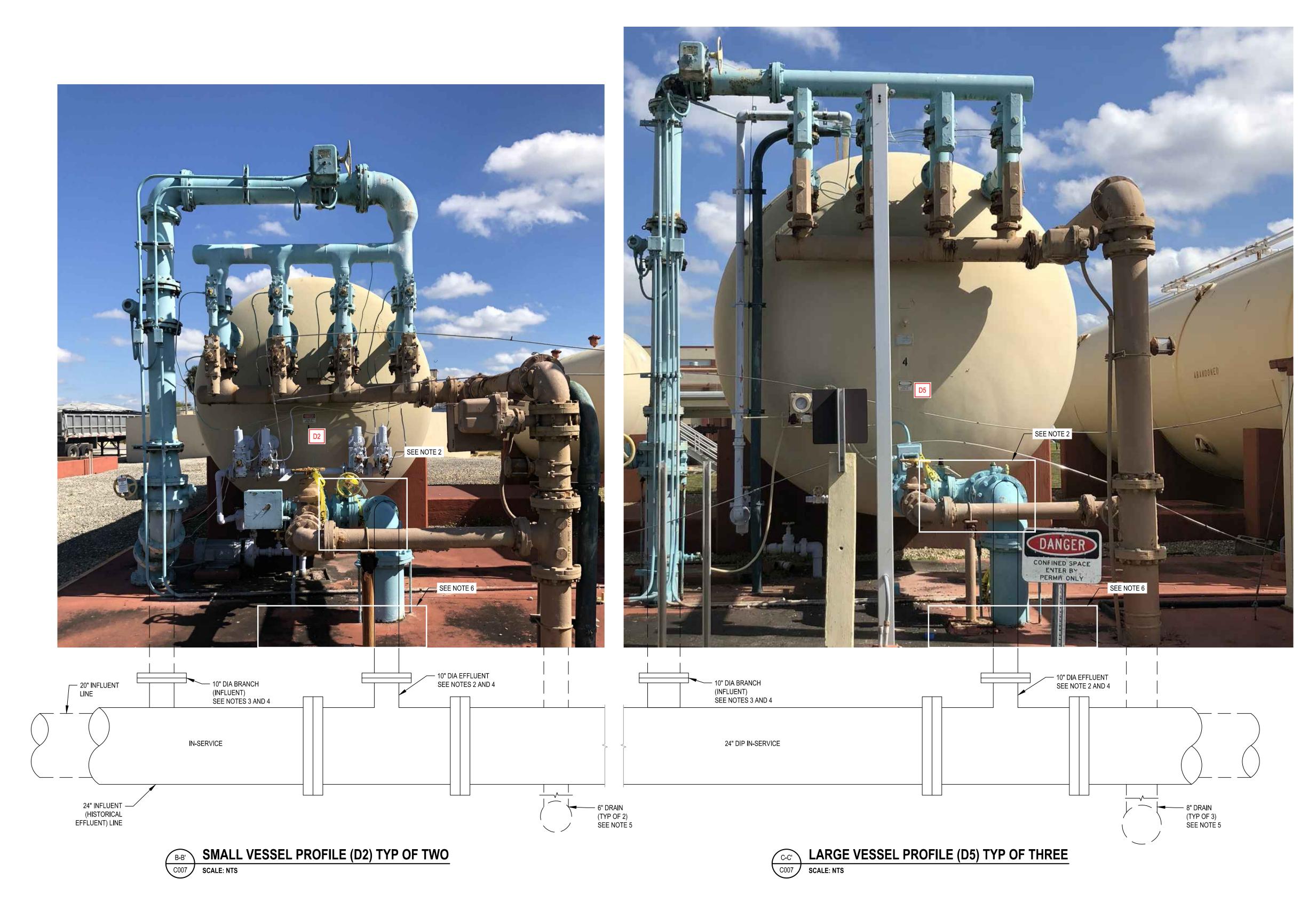
construction unless signed and sealed for Scale 1" = 20'

Plotted By: John Forney

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- 1. VERTICAL VIEW OF SMALLER FILTER TANK (D2) REPRESENTS THE TWO (2) SMALL FILTER TANKS (D2 AND D3). VERTICAL VIEW OF LARGER FILTER TANK (D5) REPRESENTS THE THREE (3) LARGE FILTER TANKS (D4, D5, AND D6). PIPING CONFIGURATION IS GENERALLY CONSISTENT FOR TYPICAL PRESSURE VESSELS WITH SOME VARIATION AT EACH TANK.
- 2. EXTENTS OF DEMOLITION OF 10-INCH DIAMETER EFFLUENT (BLUE) LINES, LOCATED TOWARDS THE BOTTOM OF EACH RESPECTIVE TANK, ARE AT THE ABOVE GROUND VALVES CLOSEST TO GROUND SURFACE. OWNER TO VERIFY THESE VALVES ARE CLOSED. CONTRACTOR TO DEMOLISH PIPING ON TANK SIDE OF THE VALVES AND INSTALL BLIND FLANGE (BF) AT EACH VALVE.
- 3. THE 10-INCH DIAMETER INFLUENT (BLUE) PIPES FROM 20-INCH INFLUENT LINE, WHICH CONNECT TO THE TOP OF EACH RESPECTIVE TANK, AND ASSOCIATED INFLUENT PIPING TO THE TANKS AND DRAIN LINES SHALL BE DEMOLISHED IN THEIR ENTIRETY.
- 4. THE 10-INCH DIAMETER INFLUENT LINES ARE CONNECTED TO THE OUT-OF-SERVICE 20-INCH DIAMETER INFLUENT LINE (SHOWN DASHED). THE 10-INCH DIAMETER EFFLUENT LINES ARE CONNECTED TO THE IN-SERVICE, AND PRESSURIZED, 24-INCH DIAMETER INFLUENT (HISTORICAL EFFLUENT) LINE (SHOWN SOLID).
- 5. THE 6-INCH DIAMETER DRAIN (BROWN) LINES FROM THE SMALL TANKS (D2 AND D3) AND THE 8-INCH DIAMETER DRAIN (BROWN) LINES FROM THE LARGE TANKS (D4, D5, AND D6) SHALL BE CUT AND CAPPED THREE (3) FEET BELOW LAND SURFACE. CONTRACTOR SHALL ALSO CUT/CAP THE DRAIN LINES AT THE CONNECTION TO THE 12-INCH SEWER. THE IN-SERVICE 12-INCH SEWER IS APPROXIMATELY 8+ FEET BELOW LAND SURFACE.
- 6. THE REUSE (LIGHT-PURPLE) LINES EXTEND FROM TWO (2) BRANCHES (ONE 4-INCH DIAMETER AND ONE 3-INCH DIAMETER) FROM THE IN-SERVICE, PRESSURIZED, 8-INCH DIAMETER REUSE LINE.
- 7. CONTRACTOR SHALL TAKE CARE WITH DEMOLITION OF CONCRETE PAD IN AREA OF 10-INCH EFFLUENT LINE TO REMAIN. CONTRACTOR SHALL SAW CUT CONCRETE AROUND THE 10-INCH LINE TO PROVIDE FOR AN APPROXIMATELY 6 FOOT SQUARE CONCRETE PAD CENTERED AROUND EACH 10-INCH EFFLUENT LINE. CONTRACTOR SHALL INSTALL BLIND FLANGE AT VALVE ON TANK SIDE OF VALVE. CONTRACTOR SHALL PROVIDE A PIPE SUPPORT FOR THE PIPE AND VALVE TO REMAIN.
- 8. LEAD-BASED PAINT WAS IDENTIFIED ON SELECT FACILITIES SCHEDULED FOR DEMOLITION. SEE LEAD ABATEMENT SPECIFICATION AND SURVEY AND SAMPLING REPORT INCLUDED AS AN APPENDIX TO THE SPECIFICATIONS.

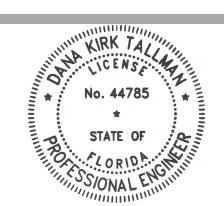
Sheet **11** of **14**

С	ISSUED FOR BID	JPF	scs	05/2020	
В	100% DEMO PLANS	RDC	scs	04/2020	
Α	60% DEMO PLANS	RDC	JR	02/2020	
No.	Issue	Drawn	Approved	Date	



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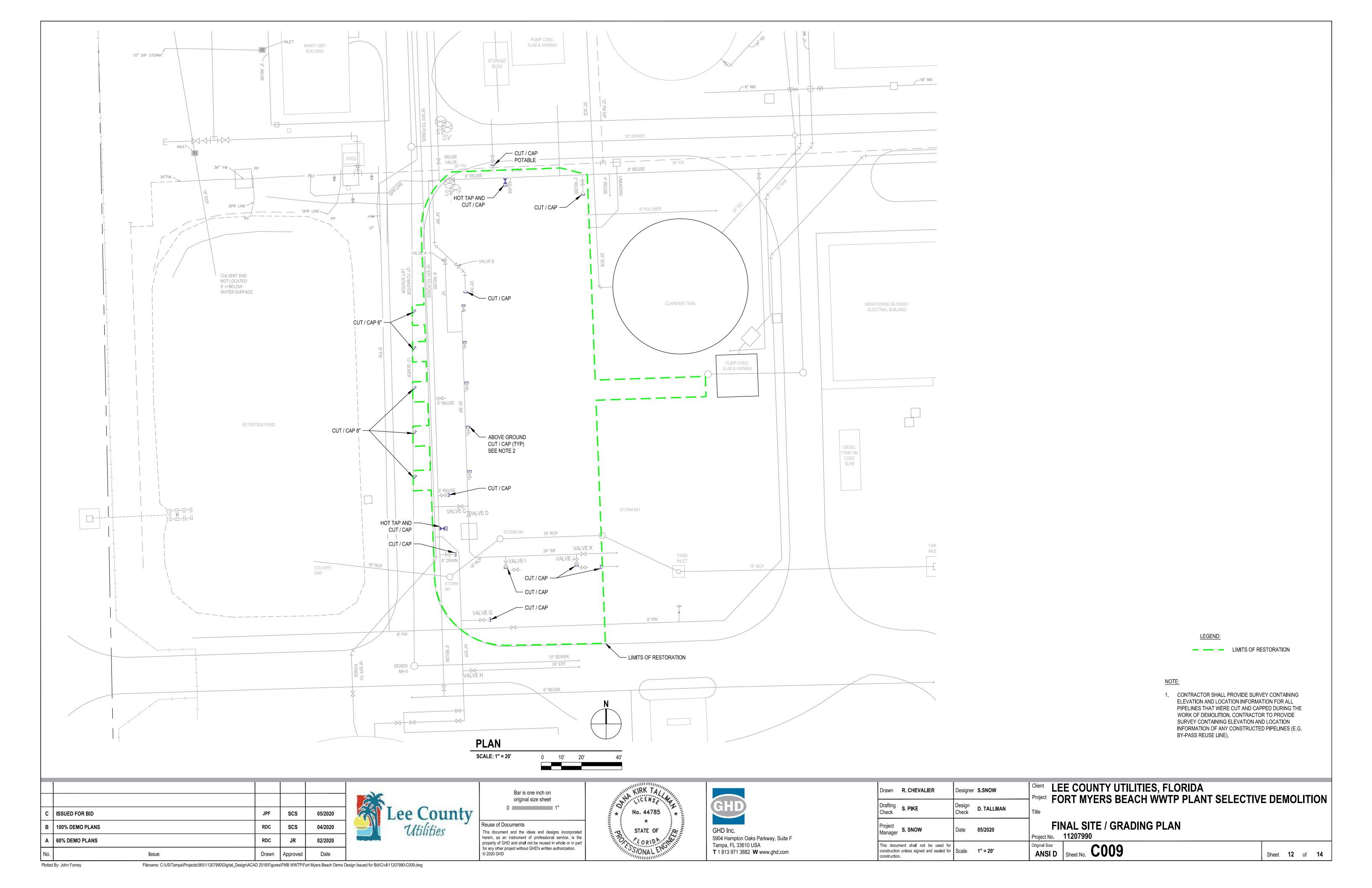
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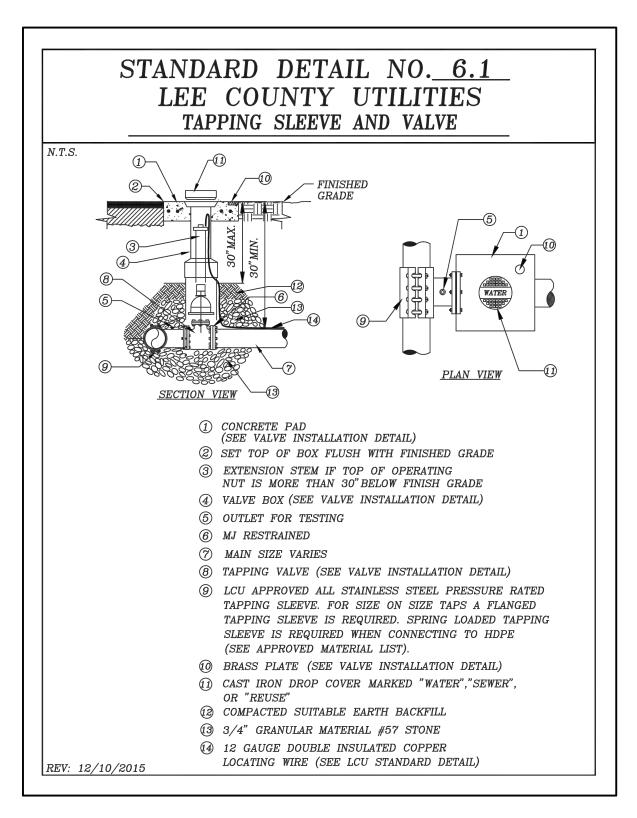


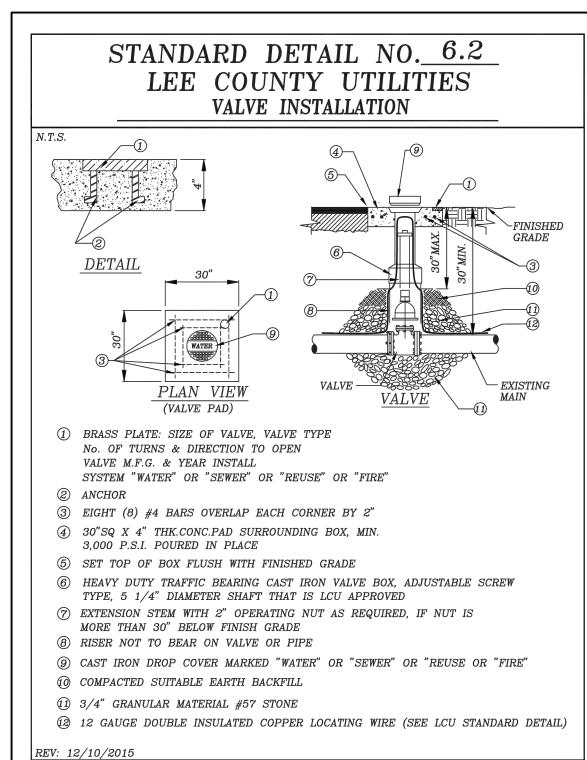


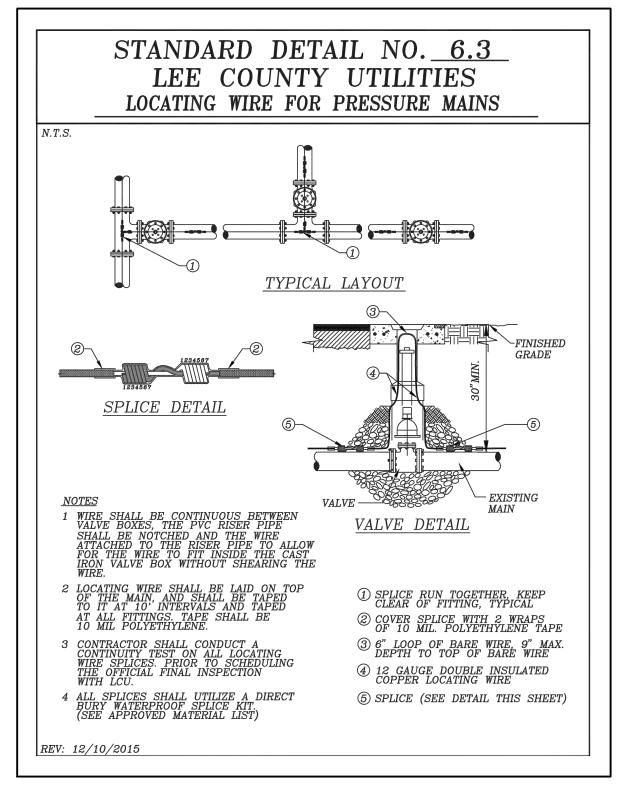
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Drafting Check	S. PIKE	Design Check	D. TALLMAN	Title		ESSURE FILTE
Project Manager	S. SNOW	Date	05/2020	Project N	'	RTIAL PIPING I
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Title	PRESSURE FILTERS
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Project N	No. 11207990









LEE COUNTY

PAVEMENT RESTORATION GUIDELINES

1. Base and backfill material shall be the same type and composition as the materials removed or equal:

Material of greater structural adequacy will also be permitted. Existing material removed during construction shall be permitted to be used as backfill provided that it has not been contaminated with

Base material over excavated portion of ditch shall be at least twice the thickness as the original base

3. Base material shall be placed in layers not greater than 6" and each layer shall be tamped or rolled to

. Pavement joints shall be mechanically sawed and tacked prior to patching. Surface treatment joints shall

5. Replacement pavement surface course shall be consistent with adjacent existing surface unless specified

existing ground elevation where crossing ditches or swales unless otherwise approved by the County

6. Top of underground cable or pipe shall be a minimum of 30" below the existing pavement, or the

7. "As-built" drawings will not be required as long as the work as done is shown correctly on the permit

8. The County must be notified at least 24 hours prior to beginning work and within 24 hours after work is completed. This notification requirement is in addition to any calls for required inspections.

1. Backfill for Stages 1 and 2 and Base material shall be placed in layers not to exceed 6" (compacted

2. Stage 1: Provide compacted fill beneath and around the pipe or duct to the spring line elevation (midpoint of pipe or duct) using an appropriate tamping method suitable to the work and accepted by

thickness). Compaction shall be 100% of AASHTO T-00 (Standard Proctor) or 98% of AASHTO T-180

the County Engineer. If required by soil conditions, the Stage 1 bedding shall be placed on a layer of

3. Stage 2: Backfill shall continue in lifts to the top of the subgrade. Each lift shall be mechanically tamped

achievement of minimum compaction requirements. Such testing, if necessary, shall be at the sole

4. Base Material: Place base material and compact mechanically to achieve 98% of maximum density by

FORM B

AASHTO T-180 (Modified Proctor) under the existing or proposed roadway.

to insure adequate compaction. The County Engineer may require density tests to confirm the

deleterious material and provided that it is at least equal to minimum County standards.

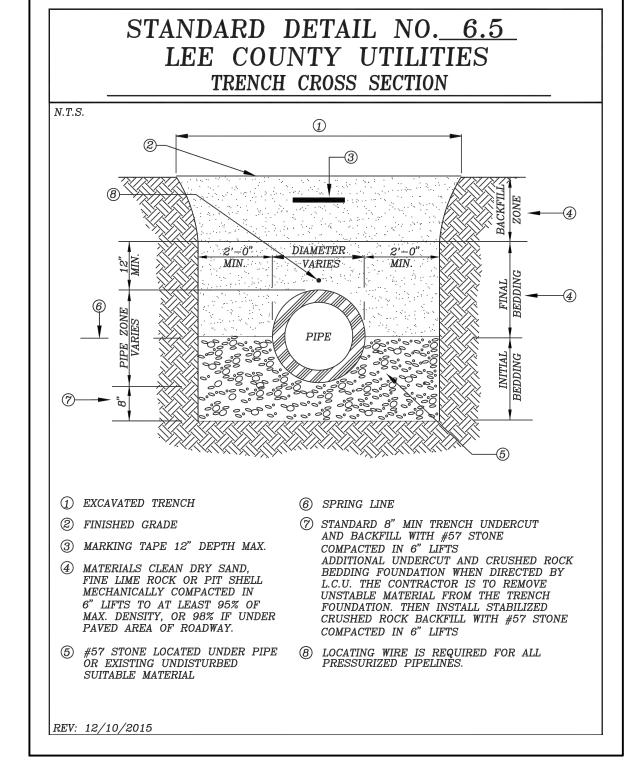
GENERAL NOTES:

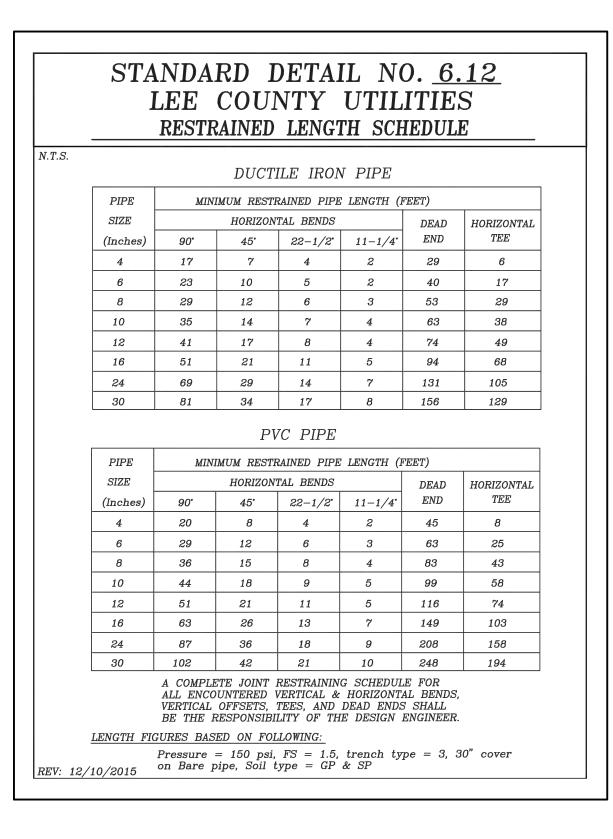
obtain the minimum specified density.

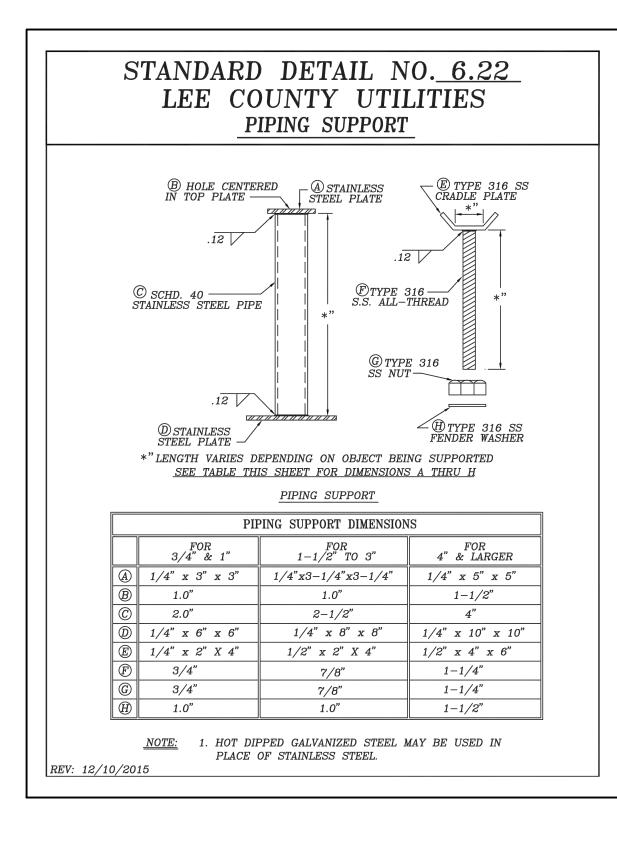
issued for the work.

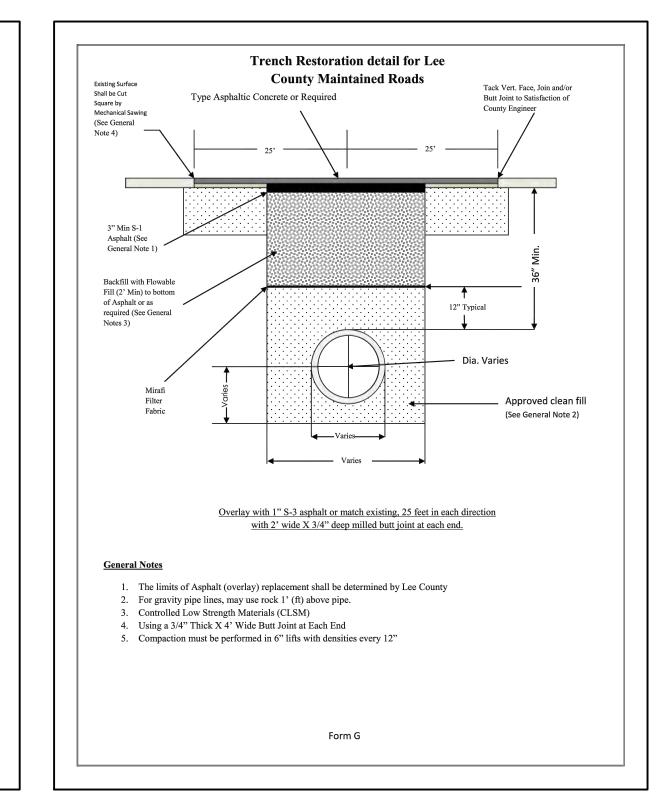
DENSITY REQURIEMENTS:

stone or gravel at least 5" thick.









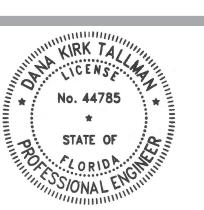
NOTE:

THIS SHEET PRESENTS DETAILS WHICH HAVE BEEN DEVELOPED / DESIGNED BY OTHERS AND ARE STANDARDS FOR LEE COUNTY UTILITIES. THEY HAVE BEEN REVIEWED / EVALUATED BY THE ENGINEER-OF-RECORD AND ARE ACCEPTABLE FOR USE ON THIS PROJECT.

C ISSUED FOR BID SCS 05/2020 SCS RDC 04/2020 B | 100% DEMO PLANS A 60% DEMO PLANS RDC JR 02/2020

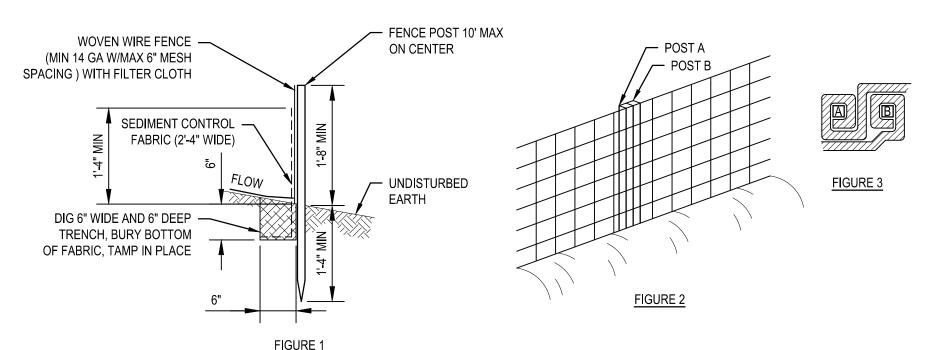


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Drawn R. CHEVALIER	Designer	S.SNOW	l	EE COUNTY UTILITIES, FLORIDA ORT MYERS BEACH WWTP PLANT SELECTIVI	E DEMOI	ITION	
Drafting S. PIKE	Design Check	D. TALLMAN	Title	ORT WITERS BEACH WWWIP PLANT SELECTIVE	E DEWICETTION		
Project Manager S. SNOW	Date	05/2020	L(Project No.	CU STANDARD DETAILS 1 11207990			
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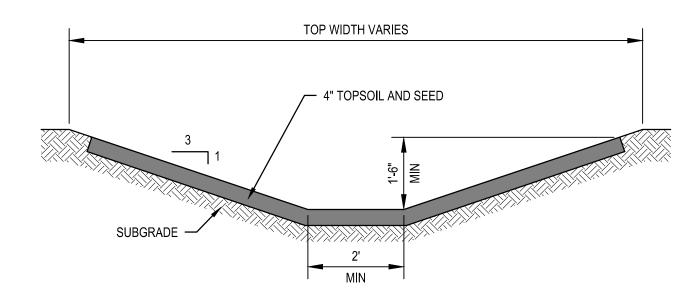
NOTES:

- 1. SILT FENCE HEIGHT TO BE 1'-8" MIN ABOVE GROUND, CONSTRUCTED OF FABRIC
- WITH MINIMUM TENSILE STRENGTH OF 136LBS. 2. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE
- TIES OR STAPLES. POSTS SHALL BE STEEL "T" OR "U" TYPE OR HARDWOOD. 3. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE. SILT FENCE TO HAVE FACTORY ATTACHED FENCE POSTS.
- 4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

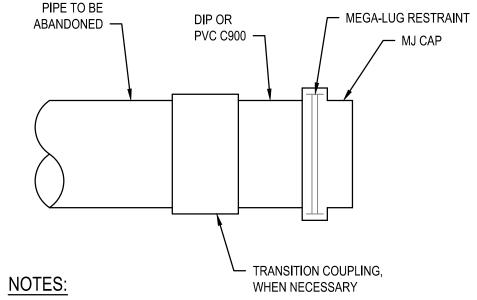
INSTALLATION SEQUENCE:

- 1. DIG A 6" X 6" TRENCH ALONG SILT FENCE LOCATIONS SHOWN.
- 2. UNROLL SILT FENCE POSITIONING THE POSTS ON THE DOWNSTREAM SIDE.
- 3. DRIVE POSTS INTO THE GROUND AS SHOWN ON FIGURE 1. 4. LAY THE BOTTOM 12" OF FABRIC FLAP IN THE BOTTOM OF THE
- TRENCH, BACKFILL AND COMPACT. 5. ADJACENT SECTIONS OF THE SILT FENCE ARE JOINED AS SHOWN IN FIGURE 3. A COUPLER CAN BE USED TO SECURE ADJACENT POSTS AS SHOWN IN FIGURE 2.



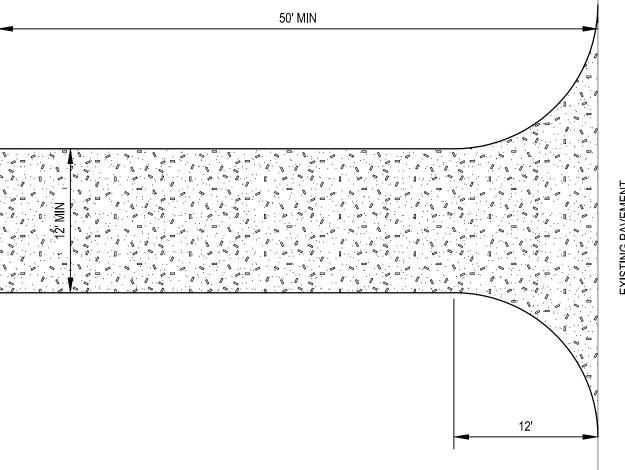






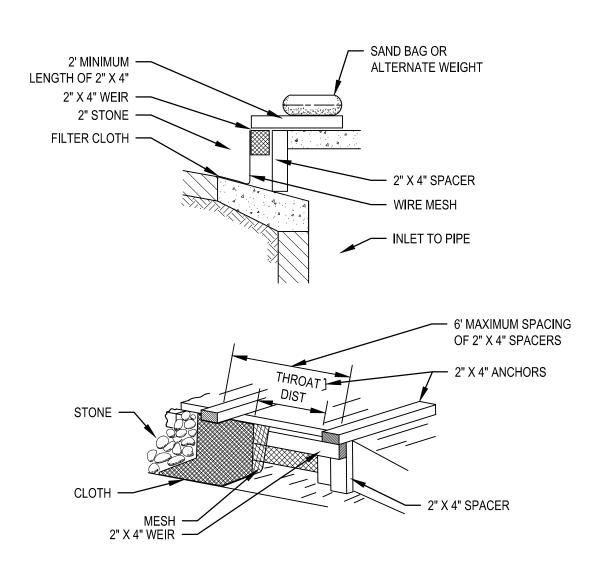
PIPE ABANDONMENT DETAIL

1. TRANSITION END CAP MAY BE USED IN LIEU OF A TRANSITION COUPLING.



- 1. STONE SIZE USE 1"-4" INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- 2. LENGTH NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30-FOOT
- MINIMUM LENGTH WOULD APPLY) 3. THICKNESS-NOT LESS THAN 6 INCHES.
- 4. WIDTH 12 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR
- EGRESS OCCURS. 24 FOOT IF SINGLE ENTRANCE TO SITE.
- 5. GEOTEXTILE -WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- 6. SURFACE WATER ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- 7. MAINTENANCE THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- 8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- 9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



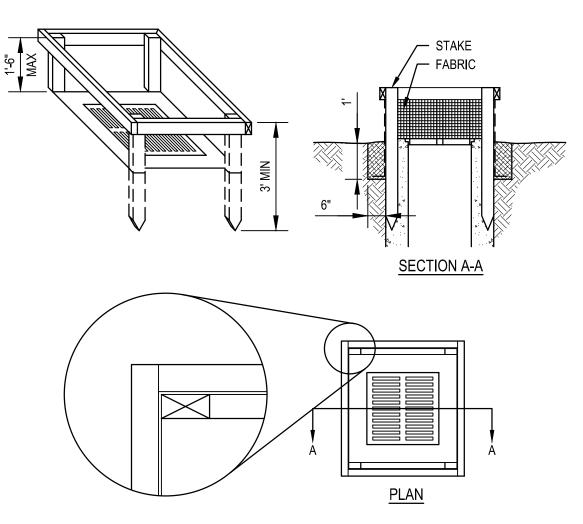


CONSTRUCTION SPECIFICATIONS

- FILTER FABRIC SHALL HAVE AN EOS OF 40-85.
- WOODEN FRAME SHALL BE CONSTRUCTED OF 2" X 4" CONSTRUCTION GRADE LUMBER.
- WIRE MESH ACROSS THROAT SHALL BE A CONTINUOUS PIECE 30 INCH MINIMUM WIDTH WITH A LENGTH 4 FEET LONGER THAN THE THROAT. IT SHALL BE SHAPED AND SECURELY NAILED TO A 2" X 4" WEIR.
- THE WEIR SHALL BE SECURELY NAILED TO 2" X 4" SPACES 9 INCHES LONG SPACED NO MORE THAN 6 FEET APART. THE ASSEMBLY SHALL BE PLACED AGAINST THE INLET AND SECURED BY 2" X 4" ANCHORS 2 FEET LONG
- EXTENDING ACROSS THE TOP OF THE INLET AND HELD IN PLACE BY SANDBAGS OR ALTERNATE WEIGHTS.

MAXIMUM DRAINAGE AREA 1 ACRE.

CURB DROP INLET PROTECTION SCALE: NTS

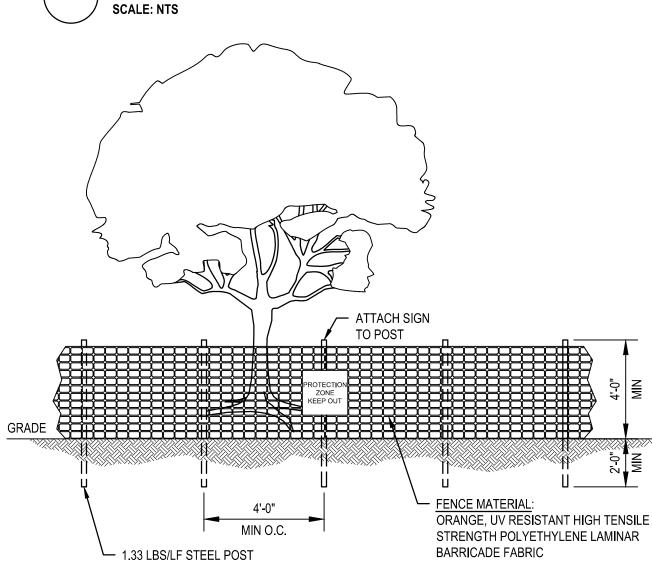


CONSTRUCTION SPECIFICATIONS

- 1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85.
- 2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
- 3. STAKE MATERIALS WILL BE STANDARD 2" X 4" WOOD OR EQUIVALENT.
- METAL WITH A MINIMUM LENGTH OF 3 FEET. 4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED
- WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT. 5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
- 6. A 2" X 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.

MAXIMUM DRAINAGE AREA 1 ACRE.





NOTES:

- 1. ALL PLANTS AND VEGETATION DESIGNATED TO BE SAVED SHALL BE PROTECTED BY FENCING, AS ILLUSTRATED. INSTALL TEMPORARY CONSTRUCTION FENCE AT PROPOSED EDGE OF DISTURBED AREA, OR AS SHOWN ON PLANS, PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 3. SPACE PROTECTION ZONE SIGNS A MINIMUM OF ONE EVERY 300 FEET. THE SIZE OF EACH SIGN MUST BE A MINIMUM OF 2' x 2' AND BE VISIBLE FROM BOTH SIDES OF THE FENCE. THE SIGN MUST CONTAIN THE FOLLOWING LANGUAGE: "PROTECTION ZONE, KEEP OUT".
- 4. THERE SHALL BE NO STORAGE OF MATERIAL OUTSIDE THE BOUNDARIES OF THE PROTECTION FENCING. 5. TEMPORARY CONSTRUCTION FENCING SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT.



| Client | LEE COUNTY UTILITIES, FLORIDA

Designer S.SNOW Drawn R. CHEVALIER Project FORT MYERS BEACH WWTP PLANT SELECTIVE DEMOLITION

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