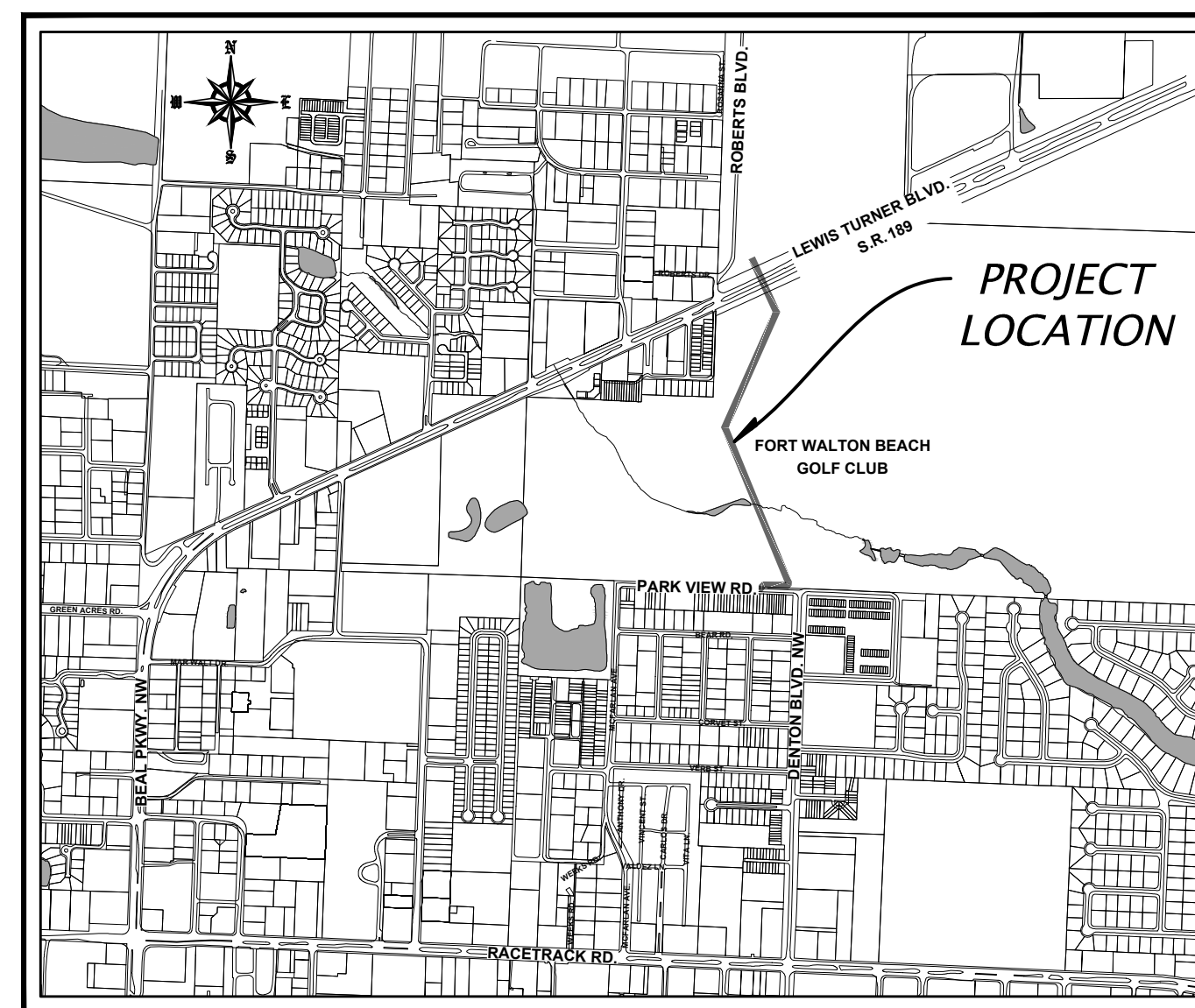


CONSTRUCTION PLANS FOR CITY OF FORT WALTON BEACH FORT WALTON BEACH, FL

UTILITY INFRASTRUCTURE DESIGN FOR FREEDOM BEACON 12" WATER MAIN AND 6" FORCE MAIN

JANUARY 2022



VICINITY MAP
SCALE: N.T.S.

M.M. PROJECT NO.
502100083-003

ISSUED FOR BID



Mott MacDonald Florida, LLC.
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United States of America
T +1 (850) 484 6011
www.mottmac.com/americas

Architects Engineers Surveyors
AA - C0000035 EB - 0000155 LB - 0006783

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B0	10/15/2021	SLM	ISSUED FOR BID	MK	KM
Rev	Date	Drawn	Description	Ch'k'd	App'd

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MACDONALD**

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Client

**CITY OF FORT
WALTON BEACH**

Title

UTILITY INFRASTRUCTURE DESIGN
FOR FREEDOM BEACON
12" WATER MAIN AND 6" FORCE MAIN
COVER SHEET

ISSUED FOR BID

THIS DRAWING IS PART OF A DIGITALLY SIGNED AND SEALED SET OF DRAWINGS. IN ACCORDANCE WITH 61G15-23.004, F.A.C. PRINTED COPIES OF THIS DRAWING ARE NOT CONSIDERED SIGNED AND SEALED AND ALL SIGNATURES MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Project Number 502100083-003		B/O 1	Total 13
Designed M. KANE	Coordination S. MILLSTEAD	Eng check M. KANE	
Dwg check 	Approved 	Rev K. MORGAN	
Scale at ANSI D 	Status BID	Rev B0	Security STD

Drawing Number
G1.0

User Name: MIL35922
Time Stamp: Jan 13, 2022 - 10:24:10AM
Drawing Name: G1.0.dwg
Drawing Path: C:\pwork\king\mwater_walwater\m502100083-003\G1.0.dwg

I. GENERAL NOTES:

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF ALL GOVERNING AUTHORITIES.
- PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE TO CONFIRM THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.
- THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THESE PLANS ARE BASED ON INFORMATION PROVIDED BY THE UTILITIES AND SHALL BE CONSIDERED APPROXIMATE. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORCE. UTILITY CONTACTS ARE PROVIDED FOR CONTRACTOR'S INFORMATION AND ARE NOT NECESSARILY ALL INCLUSIVE.
- CONTRACTOR SHALL NOTIFY THE CITY OF FORT WALTON BEACH 72 HOURS (THREE BUSINESS DAYS) PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. NOTIFICATION TO THE CITY OF FORT WALTON BEACH SHALL BE IN WRITING.
- CONTRACTOR SHALL NOTIFY THE FLORIDA DEPARTMENT OF TRANSPORTATION 72 HOURS (THREE BUSINESS DAYS) PRIOR TO INITIATING ANY WORK WITHIN THE STATE RIGHT OF WAY. NOTIFICATION TO THE FLORIDA DEPARTMENT OF TRANSPORTATION SHALL BE IN WRITING.
- ALL DIMENSIONS AND GRADES ON PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO DIMENSIONS OF GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
- PRIOR TO BID SUBMISSION THE CONTRACTOR SHALL VISIT THE SITE TO FAMILIARIZE HIMSELF WITH THE PROJECT AREA OF WORK AND THE EXTENT OF DEMOLITION, CLEARING AND GRUBBING REQUIRED.
- THE CONTRACTOR SHALL NOTIFY SUNSHINE STATE ONE CALL OF FLORIDA, THE SUPERINTENDENTS OF THE WATER, SANITARY SEWER, GAS, TELEPHONE, CABLE TELEVISION, AND POWER COMPANIES 10 DAYS IN ADVANCE OF WHEN HE INTENDS TO START WORK, AND SCHEDULE UTILITY SERVICE DISCONNECTIONS AND RECONNECTIONS. THE OWNER DISCLAIMS ANY RESPONSIBILITY FOR THE SUPPORT AND PROTECTION OF SEWERS, DRAINS, WATER PIPES, GAS PIPES, CONDUITS OF ANY KIND, UTILITIES OR OTHER STRUCTURES OWNED BY THE CITY, COUNTY, STATE, OR BY PRIVATE OR PUBLIC UTILITIES LEGALLY OCCUPYING ANY STREET, ALLEY, PUBLIC PLACE OR RIGHT-OF-WAY.
- SITE CLEARING SHALL INCLUDE THE LOCATION AND REMOVAL OF ALL UNDERGROUND STRUCTURES WHICH ARE NOT IN SERVICE AS NECESSARY FOR THE COMPLETION OF WORK. THESE INCLUDE PIPES, VALVES, DRAINAGE STRUCTURES, ETC. CONTRACTOR IS TO NOTIFY THE OWNER'S INSPECTOR PRIOR TO ANY SITE CLEARING. CONTRACTOR SHALL ALSO NOTIFY THE PROJECT OWNER AND ENGINEER OF ALL DISCOVERED UNDERGROUND STRUCTURES WHICH ARE IN CONFLICT WITH THE INSTALLATION OF THE PROPOSED IMPROVEMENTS AND ARE NOT INDICATED ON THE CONTRACT PLANS OR LOCATED IN THE FIELD BY UTILITY OWNERS.
- EXISTING WATER AND SEWER SERVICES DAMAGED DURING CONSTRUCTION SHALL BE REPLACED/REPAIRED IN ACCORDANCE WITH DETAILS SHOWN ON THE PLANS PER CITY OF FORT WALTON BEACH AND OKALOOSA COUNTY WATER AND SEWER REQUIREMENTS. REPAIR OF DAMAGED SECTIONS SHALL BE CONSISTENT WITH DETAILS. ANY WATER SERVICES THAT ARE CUT OR DAMAGED DURING THE CONSTRUCTION SHALL BE REPLACED FROM THE MAIN TO THE CURB STOP AT THE METER.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES WITHIN THE PROJECT AREA AT ALL TIMES. NO CONTRACTOR VEHICLES OR MATERIALS SHALL BE PARKED ON PRIVATE PROPERTY WITHOUT PRIOR AGREEMENT BY PROPERTY OWNER.
- PROPERTY OBSTRUCTIONS WHICH ARE TO REMAIN IN PLACE, SUCH AS SEWERS, DRAINS, WATER OR GAS PIPES, CONDUITS, CABLES, POLES, WALLS, POSTS, ETC., ARE TO BE CAREFULLY PROTECTED. CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO REMOVING ANY OBSTRUCTIONS NOT SPECIFICALLY NOTED ON THE PLANS.
- CONTRACTOR SHALL COORDINATE WITH RESPONSIBLE UTILITY FOR PROTECTING/HOLDING OF UTILITY POLES, GUY WIRES, AND GUY ANCHORS IN AREAS OF CONSTRUCTION. THE COST FOR BRACING AND PROTECTING EXISTING UTILITIES SHALL BE BORNE BY THE CONTRACTOR. UTILITY POLES AND OVERHEAD UTILITIES ARE NOT NECESSARILY SHOWN ON PLANS.
- CONSTRUCTION AROUND TREES SHALL BE ACCOMPLISHED IN A MANNER TO AFFECT MINIMUM DAMAGE TO THE TREE AND ITS ROOT SYSTEM (SEE PLAN DETAILS AND SPECIFICATIONS FOR TREE PRESERVATION AND PROTECTION AND TREE BARRICADES). NO TREES ARE TO BE REMOVED WITHOUT PRIOR APPROVAL BY THE OWNER. ANY TREES REQUIRING REMOVAL WITHIN THE CONSTRUCTION LIMITS OF THE PROJECT SHALL BE REMOVED AND DISPOSED BY THE CONTRACTOR IN A LOCATION PROVIDED BY HIM, AS DIRECTED BY THE OWNER. NO CONSTRUCTION, PARKING, OR STORAGE WILL OCCUR WITHIN THE DRIP LINE OF TREES TO REMAIN. ALL TREE BARRICADES WILL BE IN PLACE PRIOR TO ANY LAND DISTURBANCE.
- RELOCATION OR REPLACEMENT OF OBSTRUCTIONS OWNED BY PRIVATE PROPERTY OWNERS, SUCH AS MAILBOXES, FENCES, SHEDS, LANDSCAPING, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WHO MUST COORDINATE WITH THE PROPERTY OWNER. ALL OBSTRUCTIONS TO BE REPLACED SHALL BE RESTORED TO THEIR ORIGINAL CONDITION OR BETTER. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE NEW FENCE FABRIC, POSTS, AND/OR HARDWARE TO REPLACE COMPONENTS OF RELOCATED FENCES WHICH ARE NOT IN A CONDITION FOR SUITABLE REUSE. UNLESS SPECIFICALLY APPROVED BY THE ENGINEER, THESE COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL DRIVEWAYS CUT FOR INSTALLATION OF MAINS SHALL BE REPAIRED PER DETAILS SHOWN ON PLANS.
- THE CONTRACTOR IS RESPONSIBLE FOR PHOTOGRAPHING/VIDEOING/DIGITALLY DOCUMENTING ALL PRECONSTRUCTION CONDITIONS.
- THE CONTRACTOR SHALL PLACE AND MAINTAIN ADEQUATE BARRICADES, CONSTRUCTION SIGNS, FLASHING LIGHTS, RED LANTERNS AND GUARDS WHEN WORKING IN PUBLIC ROADWAYS, IN ACCORDANCE WITH APPLICABLE MUTCD AND FDOT INDEXES.
- CONTRACTOR SHALL MAINTAIN TRAFFIC CONTROL IN ACCORDANCE WITH FDOT STANDARD INDEX 600 (LATEST EDITION), FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION) AND IN ACCORDANCE WITH ALL CITY OF FORT WALTON BEACH AND OKALOOSA COUNTY PUBLIC WORKS REQUIREMENTS.
- THE CONTRACTOR SHALL CONDUCT ALL WORK WITHIN CITY OF FORT WALTON BEACH RIGHT-OF-WAY AND OKALOOSA COUNTY RIGHT-OF-WAY IN ACCORDANCE WITH THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS, AND THE FDOT UTILITY ACCOMMODATION GUIDE (LATEST EDITIONS).
- CONTRACTOR SHALL PROVIDE TO THE CITY A MAINTENANCE OF TRAFFIC PLAN FOR APPROVAL PRIOR TO BEGINNING CONSTRUCTION.
- ALL DEMOLITION DEBRIS AND EXCESS MATERIAL SHALL BE HAULED AWAY AND DISPOSED APPROPRIATELY AT THE CONTRACTOR'S EXPENSE AT NO ADDITIONAL COST TO THE OWNER.
- AS DIRECTED BY THE OWNER OR ENGINEER, THE CONTRACTOR SHALL REMOVE AND REPLACE UNSUITABLE MATERIAL FOR PIPE BEDDING AND/OR TRENCH BACKFILL. PIPE BEDDING MATERIAL SHALL BE CLEAN, COARSE SAND AND FREE OF VEGETATION, ORGANIC MATERIAL, AND DEBRIS. TRENCH BACKFILL MATERIAL SHALL BE ANY READILY COMPACTABLE SAND OR SILTY SAND (SP, SP/SM, SM/SP OR SM PER USCS DESIGNATION), AND SHALL BE FREE FROM VEGETATION, ORGANIC MATERIAL, AND DEBRIS. THE MOISTURE CONTENT OF TRENCH BACKFILL MATERIAL SHALL BE AT OR BELOW OPTIMUM. NO STONES OR ROCKS SHALL BE LARGER THAN ONE(1)- INCH DIAMETER. PAYMENT FOR THE REMOVAL, DISPOSAL, AND REPLACEMENT OF UNSUITABLE MATERIAL SHALL BE AT THE LOOSE MATERIAL, TRUCK BODY WATER VOLUME (BODY MANUFACTURER'S CUBIC YARD LISTED CAPACITY) AT THE UNIT PRICE BID FOR THE ITEM OF WORK SPECIFIED. COPIES OF CERTIFIED TRUCK CERTIFICATES WITH THE BODY MANUFACTURER CUBIC YARD LISTED CAPACITY, ALONG WITH A SUMMARY OF TRUCK LOADS SHALL BE SUBMITTED WITH PAY REQUESTS.
- THE CONTRACTOR WILL ABIDE BY ALL CRITERIA CONTAINED IN THE CITY ENGINEERING STANDARDS MANUAL. THE CITY ENGINEERING STANDARDS MANUAL MAY BE FOUND A THE FOLLOWING LINK:
<https://www.fwb.org/sites/default/files/fileattachments/building/page/5801/engineering-standards-manual.pdf>
 IF THERE IS A CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND THE CITY'S STANDARDS, THE CITY'S STANDARDS WILL GOVERN.

(CONT'D)

- NO DEVIATIONS FROM OR REVISIONS TO THESE PLANS BY THE CONTRACTOR SHALL BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL FROM BOTH THE DESIGN ENGINEER AND THE CITY OF FORT WALTON BEACH.
- FDEP REGULATORY MINIMUM HORIZONTAL AND VERTICAL SEPARATION MUST BE MAINTAINED BETWEEN WATER AND SANITARY SEWER, STORM SEWER, AND RECLAIMED WATER LINES.
- CONTRACTOR TO BE RESPONSIBLE FOR AND COMPLY WITH ANY TESTING REQUIRED BY THE LOCAL GOVERNING AGENCY IN ADDITION TO THE TESTING REQUIREMENTS OUTLINED IN THE SPECIFICATIONS.
- ANY PUBLIC LAND CORNER MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DISTURBED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
- ANY NGVD-29' OR NAVD-88' MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF IN DANGER OF DAMAGE, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND THE FOLLOWING STATE OFFICIALS:
STATE GEODETIC ADVISOR
 ATTN: RONNIE L. TAYLOR
 ATTN: RANDY WEGER
 FDEP, BUREAU OF SURVEY AND MAPPING, MS 105
 3900 COMMONWEALTH BLVD.
 TALLAHASSEE, FL 32399
 TELEPHONE NO. (850) 245-2118
 FAX NO. (850) 245-2645
- PLANS DO NOT SHOW ALL UTILITY SERVICES. CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO LOCATE, ADEQUATELY SUPPORT, AND PROTECT ALL SERVICE LINES AND OTHER UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY DAMAGED UTILITIES. SEWER LATERAL DEPTHS ARE ASSUMED BASED ON INVERTS IN MANHOLES.
- CONTRACTOR IS ADVISED THAT THERE ARE ADDITIONAL IRRIGATION LINES WITHIN THE GOLF COURSE PROPERTY THAT ARE NOT SHOWN ON THE PLANS. CONTRACTOR SHALL LOCATE, SUPPORT AND PROTECT THESE LINES. COORDINATE WITH CITY FOR RELOCATION OF LINES THAT CONFLICT WITH CONSTRUCTION.
- CURBS, GUTTERS AND SIDEWALKS CUT AND/OR DAMAGED BY THE CONTRACTOR'S FORCES OVER THE COURSE OF THE WORK SHALL BE REPLACED IN ACCORDANCE WITH CITY OF FORT WALTON BEACH AND OKALOOSA COUNTY STANDARDS.
- PROVIDE 48 HOURS' NOTICE TO OKALOOSA COUNTY WATER AND SEWER PRIOR TO CROSSING ANY MAINS OWNED BY OKALOOSA COUNTY WATER AND SEWER.
- DEMOLITION OF EXISTING UTILITIES, SEPTIC PIPES, REMOVAL OF ASPHALT PAVEMENT, REMOVAL OF CONCRETE, SAW-CUTTING, LIGHTING, LIGHT POLES, TREE REMOVAL, TREE TRIMMING, FENCE REMOVAL, UTILITIES AND OTHER MISCELLANEOUS ITEMS SHALL BE INCLUDED IN THE COST OF DEMOLITION/ CLEARING AND GRUBBING. FENCE REMOVAL SHALL INCLUDE ALL ITEMS (E.G., POSTS, CONCRETE, FENCE, ETC.) NECESSARY TO STABILIZE THE REMAINING FENCE.

II. EROSION CONTROL NOTES

- SEDIMENT AND EROSION CONTROL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. AREAS OF OFF-SITE DISCHARGE DURING CONSTRUCTION SHALL BE PROTECTED WITH A SEDIMENT BARRIER TO PREVENT OFF-SITE DISCHARGE OF SEDIMENTS. TEMPORARY SEED AND MULCH SHOULD BE USED TO CONTROL ON-SITE EROSION WHEN IT IS NOT PRACTICAL TO ESTABLISH PERMANENT VEGETATION. PERMANENT VEGETATION SHALL BE PLACED AS EARLY AS POSSIBLE ON ALL SLOPES STEEPER THAN FIVE FEET HORIZONTAL TO ONE FOOT VERTICAL (5:1). SOD SHALL BE PINNED AS REQUIRED. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN FULL WORKING ORDER THROUGHOUT THE DURATION OF THE WORK.
- PRIOR TO CONSTRUCTION IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PREPARE A DETAILED AND COMPREHENSIVE EROSION AND SEDIMENTATION CONTROL PLAN THAT COVERS ALL PHASES OF CONSTRUCTION OF THE PROJECT.
- ANY DISTURBED OR REWORKED SLOPES SHALL BE ADEQUATELY PROTECTED FROM EROSION THROUGH THE USE OF TEMPORARY SLOPE DRAINS, TEMPORARY GRASSING, SODDING OR EROSION CONTROL MATS UNTIL PERMANENTLY STABILIZED.
- STAKED SYNTHETIC FIBER BALES SHALL BE PLACED AT THE BASE OF ANY SLOPE WHERE A RAINFALL EVENT COULD RESULT IN EROSION AND TRANSPORT SEDIMENTS. BALES SHOULD BE DOUBLE STAKED. IF EROSION DEPOSITS REACH ONE-HALF THE EXPOSED HEIGHT OF EXISTING BALES, THEN SEDIMENTS SHOULD BE REMOVED. ANY DAMAGED OR INEFFECTIVE BALES ARE TO BE REPLACED WITH NEW ONES.
- STOCKPILED MATERIALS SHALL NOT BE LEFT IN EROSION-PRONE AREAS UNLESS PROTECTED BY COVER OR SYNTHETIC FIBER BALES.
- THE CONTRACTOR SHALL USE SEDIMENT AND EROSION CONTROL MEANS/DEVICES INCLUDING, BUT NOT LIMITED TO, SYNTHETIC FIBER BALES AND SILT FENCES TO PREVENT EROSION AND SEDIMENT TRANSPORT OUTSIDE THE LIMITS OF CONSTRUCTION.
- ALL DISTURBED AREAS WHICH ARE NOT PAVED SHALL BE FINE GRADED, RAKED AND STABILIZED WITH SEEDING, FERTILIZER AND MULCH, HYDROSEED AND/OR SOD, UNLESS OTHERWISE INDICATED. SODDING OR SEED-AND-MULCH SHALL BE REPLACED, WATERED, AND FERTILIZED WITH APPROPRIATE SOIL AMENDMENTS IN ACCORDANCE WITH THESE CONSTRUCTION DOCUMENTS.
- ALL ASPECTS OF THE STORMWATER/DRAINAGE COMPONENTS AND/OR TRANSPORTATION COMPONENTS SHALL BE COMPLETED PRIOR TO REQUESTING A FINAL INSPECTION.
- AREAS TO BE SODDED SHALL COMPLY WITH SECTION 570 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION. SOD SHALL BE HELD IN PLACE WITH PEGS DRIVEN INTO THE GROUND WHEN PLACED ON SLOPES EXCEEDING 4:1 (HORIZONTAL/VERTICAL).
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED SOIL EROSION AND SEDIMENT CONTROL MEASURES. THE CONTRACTOR WILL ENSURE THAT EROSION CONTROL IS INSTALLED AND MAINTAINED FOR THE DURATION OF THE PROJECT AND UNTIL FINAL PROJECT SITE STABILIZATION IS ESTABLISHED. THE CONTRACTOR WILL ENSURE THAT EROSION CONTROL IS IMPLEMENTED AND MAINTAINED FOR ALL WETLANDS, DITCHES, STEEP SLOPES, STORMWATER INLETS AND OTHER ENVIRONMENTAL AND AESTHETIC AREAS ADJACENT TO THE PROJECT. IMPROPER EROSION CONTROL MEASURES MAY RESULT IN CODE ENFORCEMENT VIOLATIONS. COSTS FOR EROSION AND SEDIMENT CONTROL MEASURES AND STORMWATER POLLUTION PREVENTION PLAN COMPLIANCE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ALL ITEMS OF WORK REQUIRING SAME.
- EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE IMMEDIATELY OR STORED IN ON-SITE UPLAND AREAS WITH EROSION CONTROL MEASURES, IN ACCORDANCE WITH MATERIAL STOCKPILE DETAIL OF STORMWATER POLLUTION PREVENTION PLAN DETAILS.
- SEDIMENT AND EROSION CONTROL PAY ITEM SHALL INCLUDE ALL ITEMS NECESSARY TO PREVENT SITE SOILS FROM BEING DISCHARGED OFFSITE AND MAY INCLUDE, BUT NOT BE LIMITED TO, SILT FENCE, FLOATING TURBIDITY BARRIER, MULCH, HAY, STRAW, TEMPORARY SODDING, ETC.
- DRILLING FLUID CONTAINMENT: THE CONTRACTOR SHALL ENSURE THAT ALL DRILLING FLUID USED FOR THE HDD OPERATIONS IS PROPERLY AND ADEQUATELY CONTAINED IN ORDER TO PREVENT DISCHARGE OF DRILLING FLUID OFFSITE, INTO ADJACENT WETLAND AREAS, OR INTO EXISTING STORMWATER DRAINS AND SWALES, ETC. COST OF DRILLING FLUID CONTAINMENT SHALL BE INCLUDED IN THE SEDIMENT AND EROSION CONTROL PAY ITEM. THE OWNER SHALL NOT BE RESPONSIBLE FOR ANY EXTRAORDINARY EFFORTS ON THE CONTRACTOR'S PART TO CONTAIN DRILLING FLUID OR CLEANING SPILLS WHICH ARISE FROM THE CONTRACTOR'S OPERATIONS.
- UPON COMPLETION OF ALL HDD ACTIVITIES, THE CONTRACTOR SHALL ENSURE ALL EXCESS DRILLING FLUID IS REMOVED FROM THE WORK AREAS AND PROPERLY DISPOSED OFFSITE.

LEGEND

- EXISTING RIGHT-OF-WAY
- EXISTING EASEMENT
- 12"W-PVC PROPOSED 12" WATER MAIN
- 6"FM-PVC PROPOSED 6" FORCE MAIN
- PROPOSED 12" GATE VALVE
- PROPOSED 6" GATE VALVE
- PROPOSED HORIZONTAL/VERTICAL BEND
- PROPOSED ARV TYPE I/TYPE II
- 12"W EXISTING WATER MAIN
- 6"RW EXISTING RECLAIMED WATER MAIN
- 36"FM EXISTING FORCE MAIN
- SS EXISTING SANITARY SEWER
- OHE EXISTING OVERHEAD ELECTRIC
- BT BT BT EXISTING BURIED TELEPHONE
- BTV BTV BTV EXISTING BURIED TV
- BFO EXISTING BURIED FIBER OPTIC
- x x x EXISTING CHAIN LINK FENCE
- EXISTING TREE DRIP LINE
- EXISTING TREE
- EXISTING SIDEWALK / CONCRETE
- EXISTING ASPHALT PAVEMENT
- EXISTING STREAM / POND
- EXISTING WATER VALVE
- EXISTING WATER METER
- EXISTING GUY WIRE
- EXISTING SANITARY SEWER MANHOLE

NUMBERS TO CALL FOR LINE SPOTS AND OTHER UTILITY INFORMATION

THE FOLLOWING UTILITIES ARE LOCATED WITHIN THE RIGHT-OF-WAY OF THE CITY OF FORT WALTON BEACH, AND THE OWNERS MAY OR MAY NOT SUBSCRIBE TO A REGISTERED UNDERGROUND UTILITY PROTECTION SERVICE.

WATER/SEWER - CITY OF FORT WALTON BEACH OKALOOSA COUNTY	(850) 833-9613 (850) 651-7176
GAS - OKALOOSA COUNTY GAS DISTRICT	(850) 729-4880
TV - COX COMMUNICATIONS	(850) 862-4144
TELEPHONE - CENTURY LINK AT&T	(855) 742-6062 (800) 778-9140
FIBER - CENTURY LINK AT&T COX COMMUNICATIONS SOUTHERN LIGHT	(855) 742-6062 (903) 753-3145 (352) 337-2052 (251) 259-0807
ELECTRIC - GULF POWER OKALOOSA COUNTY TRAFFIC	(800) 778-9140 (850) 651-7295

48 HOURS BEFORE YOU DIG
CALL SUNSHINE STATE ONE CALL
1-800-432-4770



FORT WALTON BEACH GOLF COURSE CONTACTS:

GULF COURSE MANAGER
 RICHIE EDWARDS
 redwards@fwb.org
 850-258-3903

B0	10/15/2021	SLM	ISSUED FOR BID	MK	KM
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CITY OF FORT WALTON BEACH

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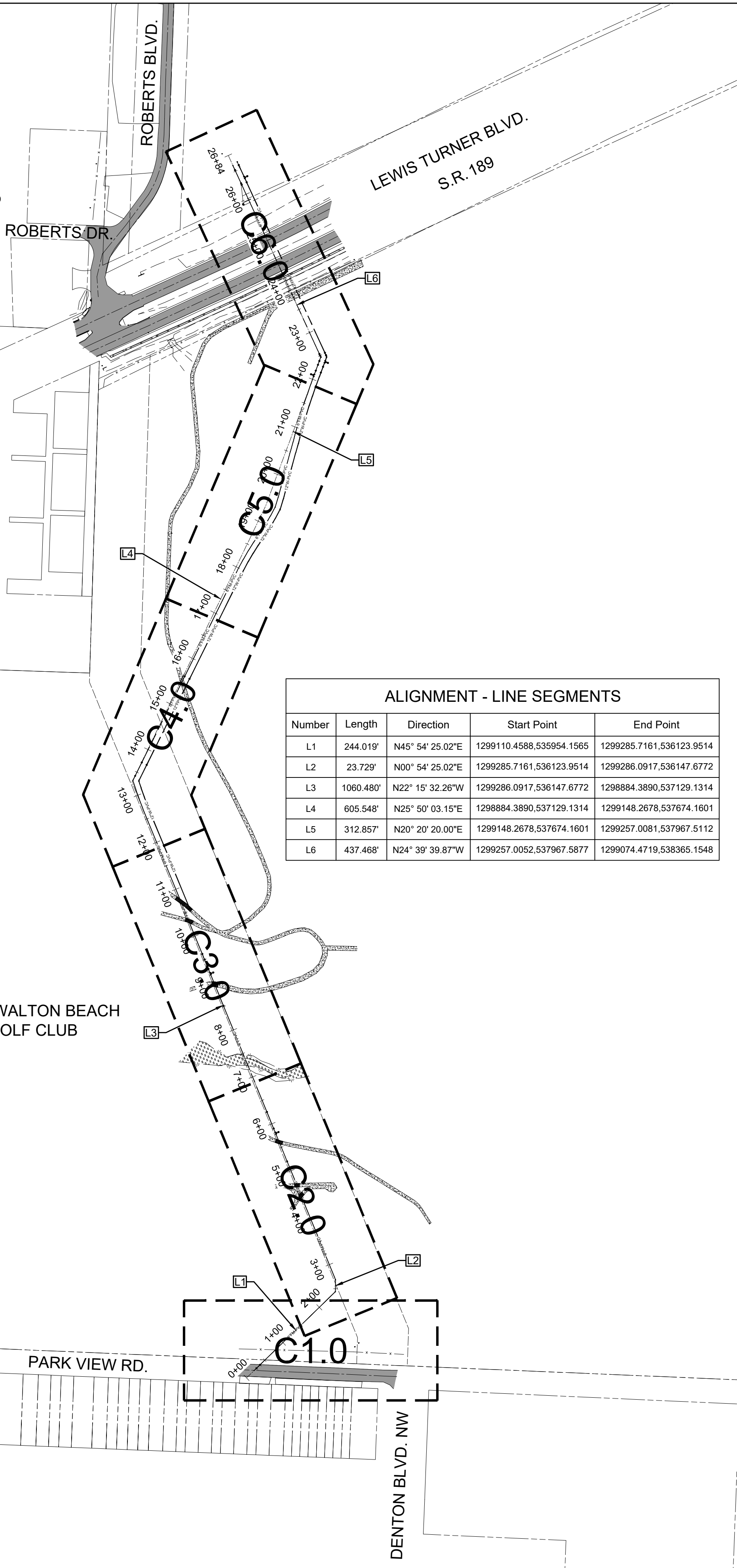
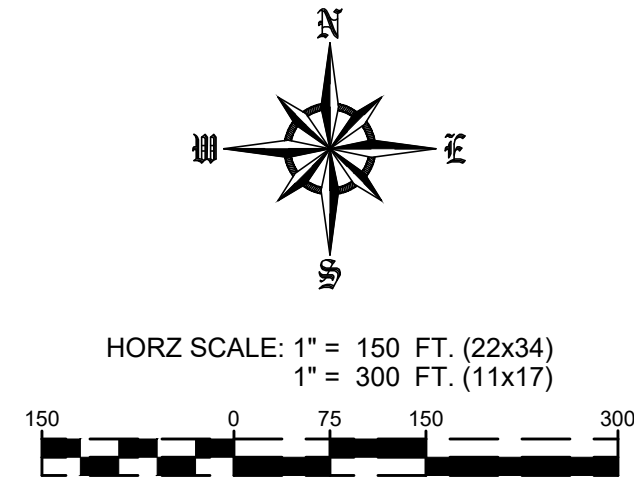
UTILITY INFRASTRUCTURE DESIGN FOR FREEDOM BEACON 12" WATER MAIN AND 6" FORCE MAIN GENERAL NOTES & LEGEND

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502100083-003	2	13	
Designed	M. KANE	Eng check	
Drawn	S. MILLSTEAD	Coordination	
Dwg check		Approved	
		K. MORGAN	
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	BID	B0	STD
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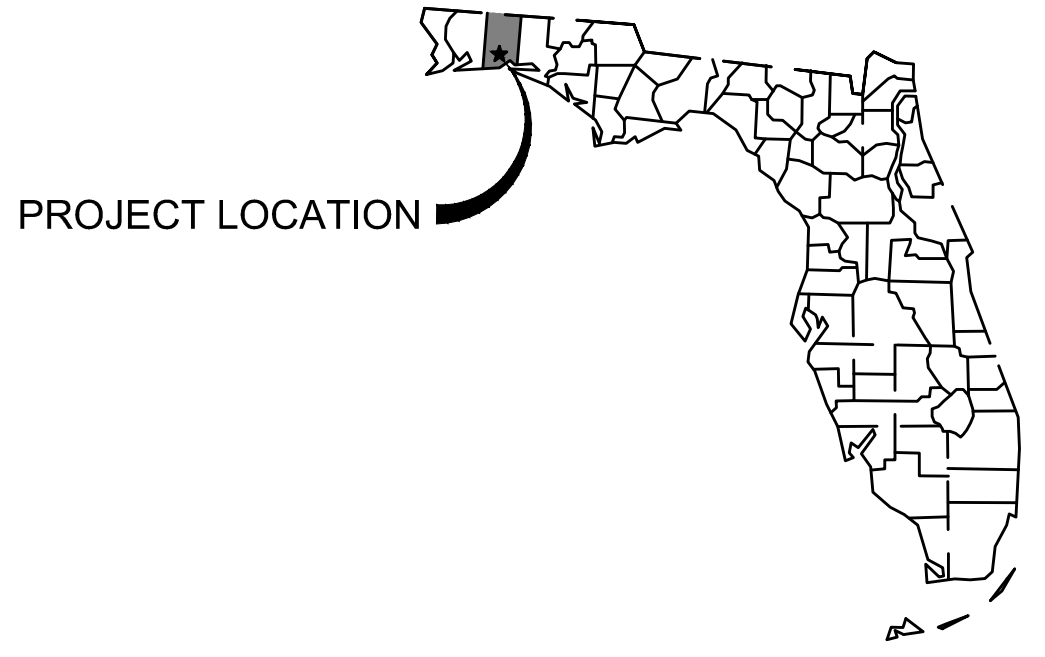
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 Drawing Path: C:\pwworking\mottmac\water_wastewater\mms522r0604r172\



ALIGNMENT - LINE SEGMENTS					
Number	Length	Direction	Start Point	End Point	
L1	244.019'	N45° 54' 25.02"E	1299110.4588,535954.1565	1299285.7161,536123.9514	
L2	23.729'	N00° 54' 25.02"E	1299285.7161,536123.9514	1299286.0917,536147.6772	
L3	1060.480'	N22° 15' 32.26"W	1299286.0917,536147.6772	1298884.3890,537129.1314	
L4	605.548'	N25° 50' 03.15"E	1298884.3890,537129.1314	1299148.2678,537674.1601	
L5	312.857'	N20° 20' 20.00"E	1299148.2678,537674.1601	1299257.0081,537967.5112	
L6	437.468'	N24° 39' 39.87"W	1299257.0081,537967.5112	1299074.4719,538365.1548	



PROJECT LOCATION MAP
SCALE: N.T.S.



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CITY OF FORT WALTON BEACH

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Drawing Number	G3.0				

User Name: MLL35922
 Time Stamp: Oct 15, 2021 - 1:17:48PM
 Drawing Name: G3.0.dwg
 Drawing Path: C:\pwork\mml\water_wastewater\m5522\05054722\