

EROSION CONTROL NOTES

ALL EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL COMPLETION OF CONSTRUCTION.

- ALL EROSION AND SEDIMENT CONTROL WORK SHALL CONFORM WITH LOCAL CITY/COUNTY AND WATER MANAGEMENT DISTRICT SPECIFICATIONS, SUBJECT TO AUTHORIZED AND APPROVED VARIANCES, WAIVERS AND/OR CONDITIONAL CHANGES.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PLACED PRIOR TO OR AS THE FIRST STEP IN CONSTRUCTION. SEDIMENT CONTROL PRACTICES WILL BE APPLIED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTATION OF SILT OFF THE SITE.
- ALL AREAS AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTING CONDITION, UNLESS SPECIFICALLY EXEMPTED BY THE PLANS. THE COST FOR SUCH RESTORATION SHALL BE INCIDENTAL TO OTHER CONSTRUCTION AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN THESE PLANS AND FIELD CONDITIONS PRIOR TO CONSTRUCTION.
- PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL PROVIDE TREE PROTECTION BARRIERS TO MEET THE REQUIREMENTS OF LOCAL SPECIFICATIONS.
- THE CONTRACTOR SHALL SELECTIVELY CLEAR ONLY THE AREAS REQUIRED FOR CONSTRUCTION AND STABILIZE ANY POTENTIAL EROSION AREAS IMMEDIATELY FOLLOWING COMPLETION OF CONSTRUCTION.
- CONTRACTOR SHALL KEEP ANY AND ALL SAND, SILT OR OTHER DEBRIS FROM MOVING OFF-SITE. USE AND MAINTAIN SILT FENCE JUST INSIDE OF PROPERTY LINE.
- CONTRACTOR SHALL BLOCK INTRUSION OF SAND, SILT OR OTHER DEBRIS INTO ANY DRAINAGE OR SANITARY SEWER STRUCTURE OR PIPING ON OR ADJACENT TO SITE.
- ALL CLEARED AREAS FOR IMPROVEMENT AND/OR CONSTRUCTION SHALL BE WATERED TO PREVENT WIND EROSION.
- FOR ADDITIONAL INFORMATION AND DETAILS, SEE F.D.O.T. INDEX NO. XXX.
- UNLESS SPECIFIED, SILT FENCES MAY BE USED IN LIEU OF HAY BARRIERS.
- ADDITIONAL POSTS AND RAILS MAY BE NECESSARY TO SECURE AND SUPPORT BARRIERS.
- ADDITIONAL BARRIER LENGTHS MAY BE REQUIRED BY THE COUNTY ENGINEER OR BY REGULATORY AGENCIES.
- FILTER FABRIC MUST BE INSTALLED UNDER ALL INLET GRATES, AT ALL TIMES WHEN INLETS ARE NOT PROTECTED BY SILT FENCE OR HAY BALES, UNTIL THE LIMEROCK BASE IS FINISHED AND PRIMED.
- THE CONTRACTOR IS REQUIRED TO HAVE THE EROSION CONTROL PLAN POSTED IN A VISIBLE LOCATION ON THE CONSTRUCTION SITE AT ALL TIMES.
- NON STORMWATER DISCHARGES SUCH AS FIRE HYDRANT FLUSHING, ETC SHALL BE DISCHARGED TO EXISTING UNDERGROUND STORMWATER FACILITY.
- ANY POTENTIALLY HAZARDOUS CHEMICALS BROUGHT ONTO THE JOB SITE WILL BE LIMITED AND KEPT IN ORIGINAL CONTAINER WITH MSDS LABEL.
- NO SILT SHALL BE TRACKED ONTO PUBLIC ROADWAYS. ANY SILT DEPOSITED ON PUBLIC ROADWAYS SHALL BE REMOVED BY THE END OF THE WORK DAY.

DEMOLITION NOTES

- PRIOR TO COMMENCEMENT OF DEMOLITION THE CONTRACTOR WILL COORDINATE HIS ACTIVITIES WITH ALL THE UTILITY COMPANIES SERVING THIS AREA. CONTRACTOR IS TO COORDINATE FULLY WITH UTILITY COMPANIES ON EXACT LOCATION OF UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
- THE CONTRACTOR IS TO COMPLETELY REMOVE AND DISPOSE OF ALL STRUCTURES AND BUILDINGS THAT IS SO INDICATED INCLUDING FOUNDATIONS, TIMBER AND BRUSH, EXCEPT AS OTHERWISE INDICATED; STUMPS AND ROOTS; EXISTING PAVEMENT; OTHER STRUCTURES AS SHOWN OR REASONABLY IMPLIED IN THE DRAWINGS.
- EXCEPT IN AREAS WHERE EXISTING TREES SHALL BE PRESERVED, A MINIMUM DEPTH OF REMOVAL SHALL BE (2) FOOT BELOW SUBGRADE IN ROADWAY AREAS AND TO ORIGINAL SOILS ELSEWHERE. WHERE EXISTING BUILDINGS ARE TO BE DEMOLISHED, ALL TRACES OF FOUNDATIONS AND UNDERGROUND UTILITIES ARE TO BE REMOVED (UNLESS OTHERWISE NOTED ON PLANS). THE CONTRACTOR IS RESPONSIBLE FOR PROPER DISPOSAL OF ALL WASTE MATERIAL.
- WHERE PAVING OR STRUCTURES ARE TO BE REMOVED WHICH ABUT OR ARE A PART OF CONNECTED FACILITIES (THAT ARE OFF-SITE), RESTORATION OF ANY DAMAGE THAT MIGHT RESULT FROM DEMOLITION IS TO BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTING UNLESS SPECIFICALLY EXEMPTED BY THE PLANS. THE COST FOR SUCH RESTORATION SHALL BE INCIDENTAL TO OTHER CONSTRUCTION AND NO EXTRA COMPENSATION WILL BE ALLOWED.
- THE LOCATION OF ALL EXISTING UTILITIES, STORM DRAINAGE AND TREES SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM AVAILABLE INFORMATION AND IS GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE OWNER OR ENGINEER ASSUMES NO RESPONSIBILITY FOR ACCURACY. PRIOR TO THE START OF DEMOLITION THE CONTRACTOR SHALL VISIT THE SITE AND DETERMINE THE EXISTENCE & LOCATION OF ALL STRUCTURES, UTILITIES & TREES SHOWN OR NOT ON THE PLANS, WHICH WOULD NEED TO BE REMOVED OR PRESERVED.
- THE CONTRACTOR IS TO COORDINATE THE RELOCATION OR REMOVAL OF ALL OVERHEAD/UNDERGROUND UTILITIES, UTILITY POLES, LIGHTS AND LINES IN THE RIGHT-OF-WAY AND ON THE PROPERTY WITH THE APPROPRIATE SERVICE PROVIDER.
- THE CONTRACTOR SHALL REFERENCE AND RESTORE PROPERTY CORNERS AND LAND MARKERS DISTURBED DURING CONSTRUCTION. (UNDER THE DIRECTION OF A FLORIDA REGISTERED LAND SURVEYOR).

UTILITY SEPARATION NOTES

- (1) HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORM WATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS
- NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED STORM SEWER, STORM WATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
 - NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.
 - NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.
 - NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST TEN FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND ALL PARTS OF ANY EXISTING OR PROPOSED "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM" AS DEFINED IN SECTION 381.0065(2), F.S., AND RULE 64E-6.002, F.A.C.
- (2) VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORM WATER FORCE MAINS, AND RECLAIMED WATER PIPELINES
- NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
 - NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORM WATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
 - AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN 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, STORM WATER 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, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
- (3) SEPARATION BETWEEN WATER MAINS AND SANITARY OR STORM SEWER MANHOLES
- NO WATER MAIN SHALL PASS THROUGH, OR COME INTO CONTACT WITH, ANY PART OF A SANITARY SEWER MANHOLE.
 - EFFECTIVE AUGUST 28, 2003, WATER MAINS SHALL NOT BE CONSTRUCTED OR ALTERED TO PASS THROUGH, OR COME INTO CONTACT WITH, ANY PART OF A STORM SEWER MANHOLE OR INLET STRUCTURE.
- (4) SEPARATION BETWEEN FIRE HYDRANT DRAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORM WATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS
- NEW OR RELOCATED FIRE HYDRANTS WITH UNDERGROUND DRAINS SHALL BE LOCATED SO THAT THE DRAINS ARE AT LEAST THREE FEET FROM ANY EXISTING OR PROPOSED STORM SEWER, STORM WATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.; AT LEAST THREE FEET, AND PREFERABLY TEN FEET, FROM ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER; AT LEAST SIX FEET, AND PREFERABLY TEN FEET, FROM ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.; AND AT LEAST TEN FEET FROM ANY EXISTING OR PROPOSED "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM" AS DEFINED IN SECTION 381.0065(2), F.S., AND RULE 64E-6.002, F.A.C.

UTILITY NOTES

- PRIOR TO COMMENCING ANY CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES, INCLUDING WITHOUT LIMITATION POTABLE WATER, RECLAIMED WATER, SANITARY SEWER, AND SERVICE UTILITIES, AT POINTS OF CONNECTION, POINTS OF CROSSING, AND/OR POTENTIAL CONFLICT. NOTIFY ENGINEER OF ANY DISCREPANCIES BETWEEN THE PLANS AND FIELD CONDITIONS.**
- A. GENERAL**
- THE LOCATIONS OF EXISTING UTILITIES, SUCH AS WATER MAINS, SEWERS, GAS LINES, ETC., SHOWN ON THE PLANS ARE BASED ON THE BEST AVAILABLE INFORMATION, AND ARE SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER AND OWNER ASSUME NO LIABILITY FOR ACCURACY AND COMPLETENESS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND TO HAVE THEIR FACILITIES LOCATED IN THE FIELD PRIOR TO ANY WORK.
 - DUE TO GRAPHIC LIMITATIONS OF THE DRAWING SCALE, ALL STORM SEWER, DRAINAGE, WATER AND SANITARY SEWER MAINS, SERVICES, LATERALS, CONNECTIONS, AND APPURTENANCES DEPICTED HEREIN - UNLESS OTHERWISE LOCATED BY DIMENSIONS - REFLECT SCHEMATIC LOCATIONS ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINAL LOCATIONS IN ACTUAL CONSTRUCTION AND INSTALLATION OF THE PROPOSED IMPROVEMENTS, INCLUDING ANY REQUISITE COORDINATION WITH THE RESPECTIVE GOVERNING AGENCY/UTILITY PROVIDER.
 - ALL WATER AND SEWER CONSTRUCTION SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF POLK COUNTY AND THOQ WATER AUTHORITY, AND WILL BE SUBJECT TO THEIR INSPECTION AND ACCEPTANCE.
 - CONTRACTOR SHALL INSPECT PIPING AND MATERIALS BEFORE INSTALLATION TO DETECT APPARENT DEFECTS. MARK DEFECTIVE MATERIALS WITH WHITE PAINT AND PROMPTLY REMOVE FROM SITE.
 - LAY SEWER PIPING BEGINNING AT LOW POINT OF SYSTEM (CONNECTION TO OFF SITE SYSTEM OR PUMP STATION), TRUE TO GRADES AND ALIGNMENT INDICATED WITH UNBROKEN CONTINUITY OF INVERTS. PLACE BELL ENDS OR GROOVE ENDS OF PIPING FACING UPSTREAM.
 - CLEAR INTERIOR OF PIPE OF DIRT AND OTHER SUPERFLUOUS MATERIAL AS WORK PROGRESSES. MAINTAIN SWAB OR BRAG LINE AND PULL PAST EACH JOINT AS IT IS COMPLETED. PLACE PLUGS IN ENDS OF UNCOMPLETED CONDUIT WHENEVER WORK STOPS.
 - MAINTAIN 36" COVER OVER MAINS, AND 30" OVER SERVICES/LATERALS.
 - WHEN PROPOSED CONSTRUCTION OCCURS AT EXISTING MANHOLES, INLETS, VAULTS, AND OTHER STRUCTURES, THE CONTRACTOR SHALL MODIFY THE STRUCTURES, FRAMES, AND GRATES TO MEET THE PROPOSED GRADES UNLESS OTHERWISE DIRECTED.
 - INSTALL CONTINUOUS LOCATOR TAPE/WIRE, LOCATED DIRECTLY OVER POTABLE WATER MAINS AND SANITARY SEWER MAINS AT 6" TO 8" ABOVE PIPE.
 - WHERE APPLICABLE, UTILITY TRENCHES CROSSING PAVEMENT AREAS SHALL BE BACK FILLED WITH COMPACTED GRANULAR MATERIAL IN ACCORDANCE WITH A.A.S.H.T.O.-T-99.
 - CONTRACTOR SHALL PROVIDE COVES FOR UNDERGROUND LINES UNDER PAVEMENT. COORDINATE WITH GENERAL CONTRACTOR.
 - ALL TRENCHES EXCAVATED FOR THE PURPOSES OF UTILITY WORK INSTALLATION SHALL BE KEPT DRY FOR THE DURATION OF UTILITY/STORM CONSTRUCTION. DEWATERING OF UTILITY/STORM TRENCHES MAY BE REQUIRED TO PREVENT FLOODING OF UTILITY/STORM PIPES DURING INSTALLATION.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER WHEN CONSTRUCTION IS NEAR TO EXISTING WATER, WASTEWATER AND STORMWATER SYSTEMS SO TIMELY CERTIFICATIONS MAY BE OBTAINED. SATISFACTORY BACTERIOLOGICAL TEST RESULTS, PENETRATION TEST RESULTS, AND AN AS-BUILT SURVEY SHALL BE SUBMITTED TO ENGINEER PRIOR TO FINAL CERTIFICATION.
- SUITABLE COUPLINGS COMPLYING WITH ASTM SPECIFICATIONS ARE REQUIRED FOR JOINING DISSIMILAR MATERIALS.
 - DEFLECTION TESTS ARE REQUIRED FOR ALL FLEXIBLE PIPE. TESTING REQUIREMENTS: 1) NO PIPE SHALL EXCEED A DEFLECTION OF 5%; 2) USING A RIGID BALL OR MANDREL FOR THE DEFLECTION TEST WITH A DIAMETER NOT LESS THEN 95% OF THE BASE INSIDE DIAMETER OR AVERAGE INSIDE DIAMETER OF THE PIPE; 3) PERFORMING THE TEST WITHOUT MECHANICAL PULLING DEVICES.

B. MATERIALS (WATER)

- SERVICE PIPE SHALL BE POLYETHYLENE (PE), DR9.
- WATER MAINS SHALL BE PVC ASTM C900, DR 18 WITH INTEGRAL BELLS AND ELASTOMERIC JOINTS PER ASTM C3139 AND GASKETS PER ASTM F477.
- DUCTILE IRON PIPE (D.I.P.), IF REQUIRED, SHALL CONFORM TO ANSI/AWWA A21.51/C151, CLASS 50 (MIN.) PIPE FOR ALL SIZES.
- CORPORATION STOPS SHALL BE 1/2" BRASS, EQUIPPED WITH CONNECTIONS COMPATIBLE WITH SERVICE PIPE AND THREADED IN ACCORDANCE WITH SPECIFICATIONS IN AWWA C900. CURB STOPS SHALL BE SIZED TO MATCH THE METER SIZE AND CONFORM WITH AWWA C900 AND AWWA C901.
- FITTINGS SHALL BE BRASS, CAST AND MACHINED IN ACCORDANCE WITH AWWA C900 AND AWWA C901, WITH COMPATIBLE PIPE CONNECTIONS.
- SERVICE SADDLES SHALL BE USED FOR ALL SERVICE LINE TAPS. SERVICE SADDLES SHALL BE DOUBLE STRAP, ANCHORED BY A MINIMUM FOUR (4) BOLT PATTERN ON A DUCTILE IRON SADDLE BODY. FOR PVC PIPE, DOUBLE STRAPS SHALL BE CORROSION RESISTANT ALLOY STEEL, SIZED EXACTLY TO THE PIPE OUTSIDE DIAMETER. SEALING GASKETS SHALL BE Buna-N RUBBER.
- ALL PIPE AND PIPE FITTINGS INSTALLED UNDER THIS PROJECT WILL BE COLOR CODED USING BLUE AS A PREDOMINANT COLOR.

C. MATERIALS (SEWER)

- ALL GRAVITY SEWER PIPE AND FITTINGS SHALL BE NON-PRESSURE POLYVINYL CHLORIDE PIPE (PVC) CONFORMING TO ASTM D 3034, SDR 26, WITH PUSH-ON RUBBER GASKET JOINTS.
- ALL FITTINGS AND ACCESSORIES SHALL BE MANUFACTURED OR SUPPLIED BY THE PIPE MANUFACTURER OR PRIOR-APPROVED EQUAL.
- BEDDING AND INITIAL BACK FILL OVER SEWER MAINS AND SERVICES SHALL BE SAND WITH NO ROCK LARGER THAN 1" IN DIAMETER.

D. MATERIALS (STORM)

- REINFORCED CONCRETE PIPE (RCP): O-RING PIPE SHALL CONFORM TO ASTM C 76 (CLASS III, UNLESS OTHERWISE SPECIFIED) AND ASHTO M 178 STANDARD SPECIFICATIONS, AND ASTM C 443 STANDARD SPECIFICATION FOR JOINTS FOR RCP USING RUBBER GASKETS.
 - ELLIPTICAL RCP SHALL CONFORM TO ASTM C 507 (CLASS III) AND ASHTO M 207 STANDARD SPECIFICATIONS.
 - HDPE PIPE AND FITTINGS SHALL MEET THE REQUIREMENTS OF ASHTO M-25 (3"-10"), M-294 (12" AND LARGER), TYPE S (CORRUGATED OUTSIDE - SMOOTH INSIDE, 4'-60"), AND MP7 (60" TYPE S).
- A BELL/SPIGOT GASKET FOR HDPE PIPE SHALL BE SOIL/SILT TIGHT PER ASHTO SECTION 26 WITH RUBBER GASKET MEETING ASTM F-477.
- PVC STORM SEWER PIPE (12" OR LESS) AND FITTINGS SHALL BE NON-PRESSURE POLYVINYL CHLORIDE PIPE (PVC) CONFORMING TO ASTM D 3034, SDR 26, WITH PUSH-ON RUBBER GASKET JOINTS.

GENERAL NOTES

- A. GENERAL**
- ALL INFRASTRUCTURE AND IMPROVEMENTS SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE LOCAL JURISDICTION AND WILL BE SUBJECT TO THEIR INSPECTION AND ACCEPTANCE.
 - SITE LOCATION: 5544 RONALD REAGAN PARKWAY, DAVENPORT, FL 33896.
 - THIS SITE LIES IN FLOOD ZONE "X", F.I.R.M. PANEL 12105C 0125G, DATED SEPTEMBER 28, 2012.
 - BOUNDARY, TOPOGRAPHIC, AND TREE SURVEY BY ALTAMAX SURVEYING 910 BELLA AVE., SUITE 1140 CASSELBERRY, FL 32786. PH: (407) 677-0200.
 - BENCHMARK - REFER TO TOPOGRAPHIC SURVEY BY ALTAMAX SURVEYING.
 - LEGAL DESCRIPTION SHOWN HEREIN IS FURNISHED BY SURVEYOR, AND IS INCLUDED FOR PERMITTING AND APPROVAL PURPOSES, AND AS A COURTESY FOR THE CONTRACTOR. INTERPLAN LLC. ASSUMES NO LIABILITY FOR ITS ACCURACY OR COMPLETENESS.
 - SITE GEOTECHNICAL INVESTIGATION PERFORMED BY ECS ENGINEERING. INTERPLAN LLC. ASSUMES NO RESPONSIBILITY FOR THE CORRECTNESS, ACCURACY AND COMPLETENESS OF THEIR WORK. THE CONTRACTOR SHALL OBTAIN A COPY OF THE GEOTECHNICAL ENGINEER'S REPORT FOR THIS SITE AND COMPLY WITH RECOMMENDATIONS CONTAINED THEREIN. IF ADDITIONAL SERVICES ARE REQUIRED, THE CONTRACTOR SHALL MAKE A REQUEST TO THE OWNER.

CONTRACTOR SHALL PROVIDE AND INSTALL EROSION CONTROL DEVICES (SILT FENCE OR OTHER METHODS) AT LIMITS OF CONSTRUCTION AND AROUND EACH STORM INLET PRIOR TO CONSTRUCTION, AND SHALL MAINTAIN SAID EROSION CONTROL DEVICES DURING CONSTRUCTION, ALL IN CONFORMANCE WITH CURRENT LOCAL, COUNTY AND STATE CRITERIA.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DESIGN CHANGES WHICH MAY BE INCORPORATED INTO THE PLANS WITHOUT PRIOR WRITTEN CONSENT AND/OR APPROVAL FROM THE OWNER AND THE ENGINEER.
 - THE CONTRACTOR SHALL COORDINATE ALL WORK WITH EACH EXISTING RIGHT OF WAY WITH POLK COUNTY AND THE FLORIDA DEPARTMENT OF TRANSPORTATION.
 - SCS SOILS Candler SAND.
 - SEWERTWATER MANAGEMENT IS PROVIDED BY EXISTING WET POND. THE CONTRACTOR SHALL RESTORE OFF-SITE AREAS TO A CONDITION EQUAL TO OR BETTER THAN THE CONDITION EXISTING PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - ALL DISTURBED AREAS SHALL BE SODED.
 - AT LEAST 30 DAYS PRIOR TO ANTICIPATED COMPLETION OF SITE CONSTRUCTION, THE FINAL CERTIFICATION PROCESS WILL BEGIN. THE CONTRACTOR SHALL PROVIDE DOCUMENTS AND INFORMATION, IN A TIMELY MANNER, TO ENGINEER, INCLUDING, WITHOUT LIMITATION:
 - SURVEYED "AS-BUILT" PER AS-BUILT SURVEY SCOPE IN SPEC MANUAL
 - COMPACTION AND DENSITY TEST REPORTS, AND
 - PRESSURE TESTING AND BACTERIOLOGICAL TESTING RESULTS, AS REQUIRED, FOR WATER DISTRIBUTION AND/OR WASTEWATER COLLECTION/TRANSMISSION SYSTEMS.
 - ALL TRAFFIC CONTROL DEVICES, EQUIPMENT AND INSTALLATION SHALL MEET THE REQUIREMENTS OF THE LOCAL JURISDICTION AND/OR FLORIDA DEPARTMENT OF TRANSPORTATION.
 - PARKING STALLS SHALL CONFORM WITH LOCAL CODE. ACCESSIBLE PARKING SPACES AND ACCESS ROUTES SHALL FURTHER CONFORM WITH CURRENT ADA REQUIREMENTS.
 - HANDICAP PAVEMENT MARKINGS AND SIGNAGE SHALL CONFORM WITH CURRENT ADA REQUIREMENTS AND LOCAL ORDINANCE.
 - LANDSCAPE SHALL BE TRIMMED TO ENSURE SIGHT VISIBILITY OF TRAFFIC CONTROL DEVICES.
 - ALL PAVEMENT IS DIMENSIONED TO FACE OF CURB.
 - ALL BUILDING DIMENSIONS AND TIES ARE TO OUTSIDE FACE. SEE ARCHITECTURAL PLANS.
 - ALL CURB RETURN RADII ARE 5' UNLESS NOTED.
 - BUILDING AND SITE IMPROVEMENTS ARE PARALLEL AND PERPENDICULAR TO WEST PROPERTY LINE.

GC NOTE:

A COPY OF THIS SHEET C0 SHALL BE PROVIDED TO ALL BIDDERS AND SUB-CONTRACTORS.

SITE DATA

SITE AREA	46,562 SF	1.07 AC
PROPOSED	31,797 SF (68%)	75% (7%)
IMPERVIOUS BUILDING	3,833 SF	
TOTAL IMPERVIOUS OPEN SPACE (GREEN)	34,838 SF	
	11,732 SF	25%
ZONING	EMPLOYMENT CENTER (ECX)	
FLOOR AREA RATIO	F.A.R. = 0.06	
BUILDING HEIGHT	MAX. ALLOWED: 27 FT	PROPOSED: 27 FT (STORY)
BUILDING SETBACKS	REQUIRED	PROVIDED
FRONT (WEST) (CHAMPIONS GATE BLVD)	25 FT	146 FT
SIDE (NORTH)	5 FT	74 FT
SIDE (SOUTH) (RONALD REAGAN PKWY)	25 FT	80 FT
REAR (EAST)	5 FT	20 FT
LANDSCAPE BUFFERS		
FRONT (WEST) (CHAMPIONS GATE BLVD)	25 FT	25 FT
SIDE (NORTH)	0 FT	12 FT
SIDE (SOUTH) (RONALD REAGAN PKWY)	10 FT	20 FT
REAR (EAST)	0 FT	12 FT
PARKING REQUIRED	REQUIRED	PROVIDED
3018 SF/200 SF	15 SPACES	15 SPACES
PARKING PROVIDED		
REGULAR HANDICAP		14
		1
TOTAL		15

LEGENDS

PROPOSED CONTOUR MEET EXISTING GRADE		73.50 MEG
EDGE OF PAVEMENT		EDP
SIDEWALK		SW
GRADE BREAK		GB
HIGH POINT		HP
SPOT ELEVATION		12.55
DIRECTION OF FLOW AND PERCENT SLOPE		1.0%
STORM SEWER & INLET		
YARD DRAIN INLET		
DOWN SPOUT DRAINS		DSO
SANITARY SEWER & MANHOLE		SS-O
GREASE TRAP		GT
CLEANOUT		C.O.
FORCE MAIN		FM
WATER SERVICE		W
WATER MAIN		WM
FIRE HYDRANT		
DDOVA		
FDC		
WATER METER		
BACKFLOW PREVENTION DEVICE (BFP)		
GATE VALVE		
REDUCER		
UNDERGROUND TELEPHONE		UGT
UNDERGROUND ELECTRIC		UGE
SITE LIGHTING		
TRANSFORMER		T
AIR CONDITIONING UNIT		AC
PARKING SPACE TOTALS		8
DETAIL NUMBER		2
SHEET NUMBER		C4
ZONING		B-3
CURRENT LAND USE		VACANT

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
PROJECT MANAGEMENT

AA 003420
CA 8660

604 COURTLAND STREET
SUITE 100
ORLANDO, FLORIDA 32804
PH 407.645.5008
FX 407.629.9124

SEAL:

STUART ANDERSON, P.E.
FL. REG. #68848

1-19-17 IP GC COMMENTS
NO DATE REMARKS

REVISIONS



BID SET
JANUARY 8, 2018

7-ELEVEN
STORE #32810

5544 RONALD REAGAN PARKWAY
DAVENPORT, FL
33896

PROJECT NO: 2016.0305
DATE: 5-15-17

C0
GENERAL NOTES

CHECKED: CDB DRAWN: MRS

Order Plans

DISINFECTING & TESTING NOTES

WATER MAINS THAT ARE INCLUDED IN THIS PROJECT THAT WILL BE CONSTRUCTED OF POLYETHYLENE GLYCOL (PE) PIPE WILL BE PRESSURE AND LEAKAGE TESTED IN ACCORDANCE WITH AWWA STANDARD C685. ALL OTHER WATER MAINS INCLUDED IN THIS PROJECT WILL BE PRESSURE AND LEAKAGE TESTED IN ACCORDANCE WITH AWWA STANDARD C600.

LEAKAGE TESTS ARE REQUIRED AS FOLLOWS: 1) THE LEAKAGE EXFILTRATION OR INFILTRATION DOES NOT EXCEED 200 GALLONS PER INCH OF PIPE DIAMETER PER MILE PER DAY FOR ANY SECTION OF THE PIPE. 2) EXFILTRATION OR INFILTRATION TESTS BE PERFORMED WITH A MINIMUM POSITIVE HEAD OF 2 FEET; 3) AIR TESTS, AS A MINIMUM, CONFORM TO THE TEST PROCEDURE DESCRIBED IN ASTM C 828 FOR CLAY PIPE, ASTM C 924 FOR CONCRETE PIPE, ASTM F-1417 FOR PLASTIC PIPE, AND FOR OTHER MATERIALS APPROPRIATE TEST PROCEDURES.

DISINFECTATION OF THE WATER DISTRIBUTION SYSTEM SHALL BE PERFORMED IN ACCORDANCE WITH AWWA C651 DISINFECTING WATER MAINS. SATISFACTORY BACTERIOLOGICAL TEST RESULTS SHALL BE SUBMITTED TO ENGINEER PRIOR TO FINAL CERTIFICATION.

THE CONTRACTOR SHALL MAKE PROVISIONS TO PROTECT THE ACTIVE EXISTING MAIN FROM BACKFLOW CONTAMINATION DURING FILLING, FLUSHING, AND TESTING OF THE NEW MAIN, AS SPECIFIED IN AWWA C651-92.

CONTRACTOR SHALL UTILIZE A JUMPER CONNECTION DURING WATER MAIN TESTING. ALTERNATE TYPES OF BACKFLOW PREVENTION MAY BE UTILIZED AS APPROVED BY INSPECTION STAFF AND ENGINEER.

UTILITY CONTACTS

WATER/SEWER	POLK COUNTY LAND DEVELOPMENT DIVISION 338 WEST CHURCH ST. BARTOW, FL 33831 PH: (863) 534-6792, (863) 534-6493 CONTACT: DIANE MILLER AND CHRISSEY IORNS
STORM	POLK COUNTY LAND DEVELOPMENT DIVISION 338 WEST CHURCH ST. BARTOW, FL 33831 PH: (863) 534-7647 CONTACT: GLENN SHILLER
STORM DRAINAGE	SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT 1708 CENTURY BOULEVARD BARTOW, FL 33830 PH: (863) 534-1448 CONTACT: RAMZI CHEHAIB
ELECTRIC	DUKE ENERGY PH: (407) 938-6672 CONTACT: RAJEN GOBERHAM
TELEPHONE	VERIZON 120 EAST LIME ST. LAKELAND, FL 33801 PH: (863) 688-4010 CONTACT: SCOTT WALLS