

PRELIMINARY AND FINAL SITE CONSTRUCTION PLANS FOR GRACE COMMUNITY CHURCH OF WESLEY CHAPEL - PHASE 1

PASCO COUNTY, FLORIDA SEC. 32- TWP. 25S - RGE. 20E

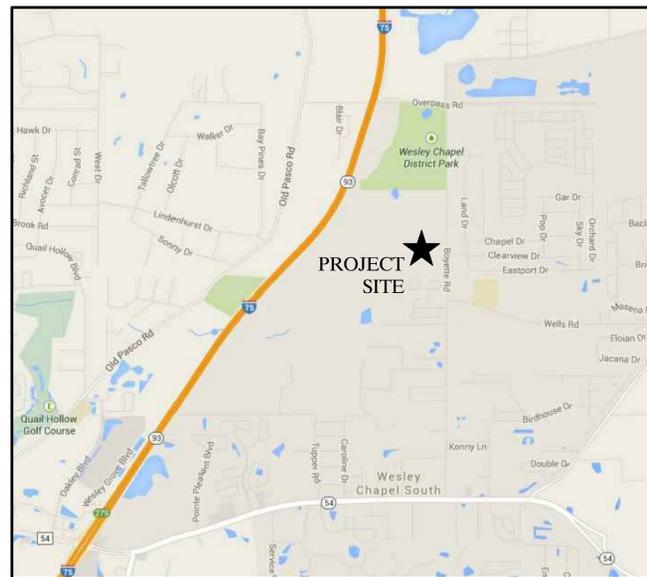
LEGAL DESCRIPTION:

A portion of South 1/2 of the Southeast 1/4 of Section 32, Township 25 South, Range 20 East, less the East 35.00 feet thereof for Boyette Road right-of-way being more particularly described as follows:

For a Point of Reference commence at the Southeast corner of said Section 32; thence N.89°55'32"W., a distance of 35.00 feet to the West right-of-way line of Boyette Road; thence N.00°20'29"W., along said West right-of-way line of Boyette Road, a distance of 665.91 feet for a POINT OF BEGINNING; thence departing said West right-of-way line N.89°55'32"W., a distance of 2,616.13 feet to the West boundary of the Southeast 1/4 of said Section 32; thence N.00°15'16"W., along said West boundary of the Southeast 1/4 of said Section 32 a distance of 328.41 feet; thence departing said West boundary of the Southeast 1/4, S.89°55'32"E., a distance of 2,615.63 feet to the West right-of-way line of Boyette Road; thence S.00°20'29"E., along said West right-of-way line of Boyette Road, a distance of 328.41 feet to the POINT OF BEGINNING.

SITE DATA:

PARCEL ID NO.:	32-25-20-0000-00600-00C0
PARCEL AREA:	19.72 ACRES
PROJECT AREA:	2.1 ACRES
EX. LAND USE:	VACANT
FUTURE LAND USE DESIGNATION:	RES - 3
EXISTING ZONING:	AR
NUMBER OF STORIES:	1-STORY
MAX. BUILDING HEIGHT:	26'-2" (35 FT. ALLOWED) 505.9
BUILDING COVERAGE:	7,760 S.F. or 0.9% (25% ALLOWED) 505.7
BUILDING USE:	CHURCH & DAY CARE
FRONT SETBACK:	50 FEET
SIDE SETBACK:	25 FEET
REAR SETBACK:	50 FEET
FLOOD ZONE:	Subject property shown hereon appears to lie in Flood Zones X & AE, according to F.I.R.M. Community Panel Number 12101C264F, dated September 26, 2014.
PARKING:	REQUIRED: 65 SPACES (CHURCH USE IS 1 PER 35 S.F. IN MAIN ASSEMBLY AREA = 65 SPACES) (DAYCARE USE IS 1 PER EMPLOYEE & 1 PER 15 STUDENT w/ 5 EMPLOYEES & 38 STUDENTS = 8 SPACES) 38 PROVIDED: 65 SPACES (4 HCP ACCESSIBLE, 16 STD. PAVED, 45 UNPAVED)
DRAINAGE DESIGN BASIS:	EXISTING FIELD CONDITIONS OF PROPERTY AND ADJACENT WETLAND



LOCATION MAP
SCALE: N.T.S.

SPECIFICATIONS INCORPORATED BY REFERENCE:

- FLORIDA DEPT. OF TRANSPORTATION STANDARDS SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, UNLESS OTHERWISE STATED WITHIN THESE PLANS.
- PASCO COUNTY LAND DEVELOPMENT CODE.
- PASCO COUNTY UTILITY STANDARDS FOR DESIGN AND CONSTRUCTION, LATEST EDITION.
- FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION RULES, CHAPTER 62-555, F.A.C., FOR PUBLIC WATER SYSTEMS.
- FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION RULES, CHAPTER 62-604, F.A.C., FOR WASTEWATER COLLECTION AND TRANSMISSION.

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- C-12 WATER & SEWER DETAILS
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- 2 of 3 LANDSCAPE PLAN
- 3 of 3 IRRIGATION PLAN

DATE	DESCRIPTION	BY
REVISIONS		
REUSE OF THIS DOCUMENT: THE IDEAS & DESIGNS INCORPORATED INTO THIS DRAWING ARE PROVIDED AS A PROFESSIONAL SERVICE TO THIS CLIENT AND ARE THE PROPERTY OF MPH CIVIL CONSULTANTS, INC. THESE IDEAS & DESIGNS ARE NOT TO BE USED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN CONSENT OF MPH CIVIL CONSULTANTS, INC.		

OWNER / DEVELOPER :
GRACE COMMUNITY OF WESLEY CHAPEL, INC.
5450 BRUCE B. DOWNS BLVD., #331
WESLEY CHAPEL, FL 33544
813.994.9363

CIVIL ENGINEER:
MPH CIVIL CONSULTANTS, INC.
P.O. BOX 1121
ODESSA, FL 33556
813.731.0052

ARCHITECT:
DYKES-JOHNSON ARCHITECTURE, INC.
2006 W. BRANDON BLVD.
BRANDON, FL 33511
813.685.4521

LANDSCAPE ARCHITECT:
ANDERSON LESNIAK LIMITED, INC.
4921 S. WESTSHORE BLVD.
TAMPA, FL 33611
813.831.9595

TRAFFIC CONSULTANT:
RAYSOR TRANSPORTATION CONSULTING
19046 BRUCE B. DOWNS BLVD., #308
TAMPA, FL 33647
813.625.1699

LAND SURVEYOR:
D.C. JOHNSON & ASSOCIATES, INC.
11911 SOUTH CURLEY STREET
SAN ANTONIO, FL 33576
352.588.2768

ENVIRONMENTAL CONSULTANT:
FLATWOODS CONSULTING GROUP, INC.
8306 LAUREL FAIR CIRCLE, SUITE 120
TAMPA, FL 33610
813.600.5747

DATE: H. Duane Milford, P.E. No. 42657
FLORIDA PROFESSIONAL ENGINEER

MPH
CIVIL CONSULTANTS, INC.
MPH Civil Consultants, Inc.
Civil Engineering Services
P.O. Box 1121
Odessa, FL 33556
813.731.0052
duane@mphcivil.com
www.mphcivil.com
FLORIDA CA. NO. 30727

CONSTRUCTION SURFACE WATER POLLUTION PREVENTION NOTES:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING AND IMPLEMENTING A CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH THE REQUIREMENTS OF THE FDEP. THE CONTRACTOR SHALL CONSULT WITH THE FDEP'S GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES, DEP DOCUMENT 62-621.300(4)(a) TO VERIFY THAT ALL REQUIREMENTS ARE BEING MET.
- THE SWPPP SHALL BE COMPLETED PRIOR TO SUBMITTAL OF THE NOTICE OF INTENT WHICH SHALL PRECEED ALL CONSTRUCTION ACTIVITIES.
- THE SWPPP SHALL BE AMENDED IF IT BECOMES INEFFECTIVE OR IF ANY NEW CONTRACTOR AND/OR SUBCONTRACTOR WILL BE RESPONSIBLE FOR ITS IMPLEMENTATION.
- THE SWPPP SHALL INCLUDE A SITE MAP WITH, AT A MINIMUM, THE FOLLOWING:
 - DRAINAGE PATTERNS,
 - APPROXIMATE SLOPES AFTER MAJOR GRADING ACTIVITIES,
 - AREAS OF SOIL DISTURBANCE,
 - OUTLINE OF ALL AREAS THAT ARE NOT TO BE DISTURBED,
 - LOCATION OF ALL MAJOR STRUCTURAL AND NON-STRUCTURAL CONTROLS,
 - THE LOCATION OF EXPECTED STABILIZATION PRACTICES,
 - WETLANDS AND SURFACE WATERS, AND
 - LOCATIONS WHERE STORMWATER MAY DISCHARGE TO A SURFACE WATER OR MS4.
- THE SWPPP SHALL ALSO INCLUDE:
 - SITE AND PROJECT DESCRIPTION,
 - DETAILED DESCRIPTION OF ALL SURFACE WATER CONTROLS,
 - DESCRIPTION OF TEMPORARY AND PERMANENT STABILIZATION PRACTICES,
 - DESCRIPTION OF PERMANENT STORMWATER MANAGEMENT CONTROLS TO BE INSTALLED DURING THE CONSTRUCTION PROCESS,
 - DESCRIPTION OF WASTE DISPOSAL CONTROLS,
 - CONTROLS FOR OFFSITE VEHICLE TRACKING FROM CONSTRUCTION SITE EXITS,
 - DESCRIPTION OF THE STORAGE, APPLICATION, GENERATION, AND MIGRATION OF ALL TOXIC SUBSTANCES,
 - DETAILED MAINTENANCE PLAN FOR ALL OF THE ABOVE,
 - INSPECTION AND INSPECTION DOCUMENTATION PROCEDURES, AND
 - DESCRIPTION OF ALL SOURCES OF NON-STORMWATER DISCHARGES AS ALLOWED IN PART IV.A.3.
- THE SWPPP MUST CLEARLY IDENTIFY, FOR EACH MEASURE IDENTIFIED WITH THE SWPPP, THE CONTRACTOR(S) OR SUBCONTRACTOR(S) THAT WILL IMPLEMENT EACH MEASURE. THE FOLLOWING CERTIFICATION MUST BE INCLUDED IN THE SWPPP AND MUST BE SIGNED BY ALL CONTRACTOR(S) AND SUBCONTRACTOR(S) IDENTIFIED IN THE SWPPP: "I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, AND SHALL COMPLY WITH, THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED THEREUNDER."

GENERAL NOTES:

- THE BASIS FOR THESE PLANS IS THAT BOUNDARY & TOPOGRAPHIC SURVEY PREPARED BY D.C. JOHNSON & ASSOCIATES, INC., PROJECT NO. 2014-052A01.BG00002, DATED 1/26/15. DATUM AND BEARING INFORMATION BELOW IS TAKEN FROM THAT SURVEY.
- ELEVATIONS ARE BASED ON NATIONAL GEODETIC SURVEY BENCHMARK "V 758", A BRASS DISK IN A HEADWALL LOCATED JUST NORTH OF THE PROPERTY ON BOYETTE ROAD, PUBLISHED ELEVATION 92.29' (NAVD88).
- BEARINGS ARE BASED ON THE SOUTH BOUNDARY OF THE SOUTHEAST ¼ OF SECTION 32-25-20, SAID LINE BEARS N.8955°32"W.
- PROPERTY APPEARS TO BE LOCATED IN FLOOD ZONE "X" AND "AE" PER F.L.R.M. NO. 12101C0264F, DATED SEPTEMBER 26, 2014.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR MUST CONTACT SUNSHINE811.COM AND VERIFY THE LOCATIONS OF ALL EXISTING BURIED UTILITIES WITHIN THE WORK AREA. ANY CONFLICTS WITH PROPOSED CONSTRUCTION SHOULD BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
- EXISTING UTILITIES SHOWN ARE APPROXIMATE AND MUST BE VERIFIED AS STATED ABOVE.
- PRIOR TO CONSTRUCTION OR DEMOLITION, THE CONTRACTOR SHALL SCHEDULE A SITE PRE-CONSTRUCTION MEETING WITH ALL APPLICABLE PUBLIC AND PRIVATE UTILITY COMPANIES, AS WELL AS THE OWNER, ENGINEER, THE SURVEYOR PROVIDING AS-BUILTS, AND THE CONSTRUCTION MATERIAL TESTING COMPANY.
- NO CONSTRUCTION OPERATIONS OR EQUIPMENT STORAGE IS TO OCCUR WITHIN THE PROTECTED RADIUS OF EXISTING TREES TO REMAIN UNLESS SPECIFICALLY ALLOWED BY THESE PLANS.
- ALL CONSTRUCTION MUST COMPLY WITH PASCO COUNTY, FDOT, AND FDEP STANDARDS AS APPLICABLE.
- COORDINATION OF ALL REQUIRED TESTS AND INSPECTIONS IS THE RESPONSIBILITY OF THE CONTRACTOR.
- UNLESS OTHERWISE STATED IN THE CONTRACT DOCUMENTS, CONSTRUCTION MATERIAL TESTING SHALL BE PAID FOR BY THE CONTRACTOR AND PROVIDED TO MPH CIVIL CONSULTANTS, WITH ALL TEST RESULTS CERTIFIED BY A FLORIDA LICENSED PROFESSIONAL ENGINEER.
- REFER TO ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS, DUMPSTER ENCLOSURE DETAILS, AND RELATED APPURTENANCES.
- BUSINESS SIGNAGE SHALL BE PERMITTED SEPARATELY THROUGH THE LOCAL GOVERNMENT.
- ALL UTILITY WORK PERFORMED WITHIN THE COUNTY RIGHT-OF-WAY SHALL BE PERMITTED THROUGH THE PASCO COUNTY GOVERNMENT.
- THE CONTRACTOR SHALL KEEP RECORD DRAWINGS OF ALL WORK COMPLETED, PHOTOGRAPHS OF ALL BURIED UTILITIES WHILE TRENCHES ARE STILL OPEN, AND SUBMIT COPIES OF ALL RECORD DRAWINGS AND PHOTOGRAPHS TO THE ENGINEER PRIOR TO FINAL ACCEPTANCE.
- PRIOR TO FINAL ACCEPTANCE, HORIZONTAL AND VERTICAL AS-BUILTS OF ALL IMPROVEMENTS PROPOSED BY THESE DRAWINGS, CERTIFIED BY A FLORIDA LICENSED SURVEYOR AND MAPPER, SHALL BE PROVIDED TO THE ENGINEER. UNLESS OTHERWISE STATED IN THE CONTRACT DOCUMENTS, SAID AS-BUILTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

EROSION CONTROL AND EARTHWORK NOTES:

- SILT SCREEN SHALL BE TRENCHED-IN 6 INCHES BELOW EXISTING GRADE EXCEPT WHERE CROSSING ROOTS OF PROTECTED TREES.
- FINISH GRADE OF ALL SURFACES, WHETHER PAVED, SODDED, OR MULCHED SHALL BE COORDINATED SO THAT DOWNGRADE SURFACES DO NOT BLOCK OR POOL WATER ON UPGRADIENT SURFACES.
- EARTHWORK SHALL BE COMPLETED IN ACCORDANCE WITH "REPORT OF SUBSURFACE EXPLORATION AND GEOTECHNICAL EVALUATION", DATED JUNE 12, 2015, BY CONESTOGA-ROVERS & ASSOCIATES.
- ALL DISTURBED AREAS WILL BE SODDED WITH BAHIA SOD UNLESS NOTED OTHERWISE IN THE LANDSCAPE PLAN.

STORM DRAINAGE NOTES:

- PRIOR TO CASTING STRUCTURES, THE CONTRACTOR SHALL PROVIDE ONE SET OF SHOP DRAWINGS VIA PDF TO THE ENGINEER AT DUANE@MPHCIVIL.COM.
- STORM STRUCTURES SHALL MEET THE APPLICABLE FDOT STANDARDS UNLESS SPECIFICALLY NOTED OR DETAILED OTHERWISE.
- STORM PIPE MATERIAL SHALL BE AS SHOWN ON THESE PLANS. UNLESS OTHERWISE NOTED, RCP SHALL BE CLASS III, AND ADS SHALL BE N-12. THE CONTRACTOR MAY PROPOSE SUBSTITUTES TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION BUT SUBSTITUTES MAY NOT BE USED WITHOUT APPROVAL RECEIVED IN WRITING FROM THE ENGINEER.
- PIPE LENGTHS SHOWN ON THE PLANS ARE GENERALLY TO THE CENTER OF THE STRUCTURES AND ARE NOT INTENDED TO REPRESENT EXACT LENGTHS TO BE INSTALLED. THE CONTRACTOR MUST CALCULATE ACTUAL PIPE LENGTHS BASED ON STRUCTURE LOCATION.
- THE SITE DRAINAGE AND CONSTRUCTION IMPROVEMENTS SHALL NOT ADVERSELY IMPACT ADJOINING PROPERTIES AND/OR ROADWAYS.

DEMOLITION NOTES:

- THE CONTRACTOR SHALL OBTAIN ALL PERMITS NECESSARY FOR THE DEMOLITION AND REMOVAL OF THE EXISTING IMPROVEMENTS AS SHOWN ON THIS PLAN.
- PRIOR TO ANY WORK BEING DONE, THE CONTRACTOR SHALL CALL 811 (SUNSHINE811.COM) TO VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES.
- THE CONTRACTOR SHALL REVIEW THE EXISTING IMPROVEMENTS WITH THE OWNER TO DETERMINE ANY IMPROVEMENTS THAT MAY NEED TO BE LEFT IN PLACE, EITHER TEMPORARILY OR PERMANENTLY.
- SILT SCREEN AND TREE BARRICADES WILL BE INSTALLED PRIOR TO ANY DEMOLITION ACTIVITIES AND WILL BE MAINTAINED THROUGHOUT CONSTRUCTION.
- TREE BARRICADES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE DETAILS SHOWN WITHIN THE PROJECT PLANS. ADJUSTMENTS TO LOCATIONS MAY ONLY BE MADE TO ACCOMMODATE IMPROVEMENTS SPECIFICALLY APPROVED AS PART OF THESE PLANS.
- THE CONTRACTOR SHALL DESIGNATE A LOCATION(S) FOR CONSTRUCTION INGRESS AND EGRESS AND SHALL MAINTAIN SUCH LOCATIONS IN ACCORDANCE WITH ALL APPLICABLE PERMITS AND REGULATIONS. PERIMETER SILT SCREEN MAY BE OMITTED ONLY AT THESE LOCATIONS BUT ONLY FOR THE MINIMUM WIDTH NECESSARY FOR INGRESS AND EGRESS. SOIL TRACKING PREVENTION DEVICES MUST BE USED AT THESE LOCATIONS. THESE LOCATIONS MAY BE RELOCATED FOR THE VARIOUS STAGES OF THE PROJECT.
- ADJACENT PROPERTIES, RIGHTS-OF-WAY, AND STREETS SHALL BE KEPT CLEAR OF DEBRIS AND SEDIMENT. ANY SUCH DEBRIS OR SEDIMENT SHALL BE REMOVED AT ONCE.
- UNLESS DESIGNATED FOR RELOCATION OR BARRICADING, ALL EXISTING TREES AND VEGETATION WITHIN THE PROJECT LIMITS SHALL BE REMOVED, INCLUDING ROOT SYSTEMS.

PAVING, SIGNAGE, AND STRIPING NOTES:

- ALL PAVING SHALL MEET PASCO COUNTY AND FDOT STANDARDS.
- PAVEMENT MARKINGS AND TRAFFIC SIGNAGE SHALL GENERALLY CONFORM TO MUTCD STANDARDS.
- PARKING SPACES SHALL BE DELINEATED WITH 6 INCH WHITE STRIPES. STOP BARS SHALL BE 24 INCHES WIDE AND SHALL EXTEND THE FULL WIDTH OF THE LANE SUBJECT TO THE STOP CONDITION.
- HANDICAP PARKING SHALL BE STRIPED AND SIGNED IN ACCORDANCE WITH THE DETAILS WITHIN THESE PLANS.
- UNLESS OTHERWISE INDICATED, ALL SIGNS SHALL BE MOUNTED SUCH THAT THE BOTTOM EDGE IS 7 FEET ABOVE FINISHED GRADE.
- WHERE POSSIBLE, 2 FEET OF HORIZONTAL CLEARANCE SHALL BE PROVIDED BETWEEN SIGNS AND PAVEMENT OR WALKWAY EDGES.
- WHERE SIDEWALKS INTERSECT VEHICULAR TRAVEL LANES, ADA RAMPS WITH TRUNCATED DOMES WILL BE PROVIDED AS REQUIRED BY CURRENT STANDARDS AND LAWS.

WATER SYSTEM NOTES:

- ALL WATER MATERIALS AND INSTALLATION PRACTICES SHALL MEET PASCO COUNTY AND FDEP REQUIREMENTS.
- ON SITE DOMESTIC WATER PIPE SHALL BE PVC, SDR 21 OR BETTER. FIRE LINE SHALL BE C900, DR-18.
- THIS PROJECT REQUIRES CLEARANCE FROM PASCO COUNTY AND THE FDEP. INSPECTIONS, TESTING, AND AS-BUILTS FOR THE WATER SYSTEMS SHOULD BE COMPLETED APPROXIMATELY THREE WEEKS PRIOR TO RECEIPT OF THE CERTIFICATE OF OCCUPANCY. THIS PROCESS SHOULD BE CLOSELY COORDINATED WITH THE ENGINEER AND PASCO COUNTY UTILITY PERSONNEL.

SEWER SYSTEM NOTES:

- CONNECTIONS TO EXISTING SEWER FORCE MAIN SHALL MEET PASCO COUNTY UTILITIES STANDARDS.
- ON SITE SEWER PIPE SHALL BE PVC, SDR 26 OR BETTER.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE ONE SET OF SHOP DRAWINGS FOR THE LIFT STATION AND OTHER SEWER APPURTENANCES VIA PDF TO THE ENGINEER AT DUANE@MPHCIVIL.COM.
- THIS PROJECT REQUIRES ACCEPTANCE FROM PASCO COUNTY AND THE FDEP. INSPECTIONS, TESTING, AND AS-BUILTS FOR THE SEWER SYSTEM SHOULD BE COMPLETED APPROXIMATELY THREE WEEKS PRIOR TO RECEIPT OF THE CERTIFICATE OF OCCUPANCY. THIS PROCESS SHOULD BE CLOSELY COORDINATED WITH THE ENGINEER AND PASCO COUNTY UTILITY PERSONNEL.

SITE ACCESS NOTES (BOYETTE ROAD):

- ALL EROSION AND SEDIMENT CONTROL WITHIN R/W SHALL CONFORM TO FDOT INDEX 102.
- THE DRIVEWAY SHALL BE CONSTRUCTED IN ACCORDANCE WITH FDOT INDEX 515.
- ALL DISTURBED PORTIONS OF THE RIGHT-OF-WAY NOT OTHERWISE TO BE PAVED SHALL BE FINISHED WITH BAHIA SOD.
- SAWCUT EXISTING ASPHALT ALONG PAVEMENT EDGE PRIOR TO DRIVEWAY CONSTRUCTION.
- ALL MAINTENANCE OF TRAFFIC SHALL CONFORM TO FDOT INDEX 612. LANE CLOSURES, IF NEEDED, MUST BE SPECIFICALLY AUTHORIZED BY PASCO COUNTY.
- ALL WORK WITHIN R/W SHALL CONFORM TO THE FOLLOWING:
 - FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
 - FDOT DESIGN STANDARDS FOR DESIGN, CONSTRUCTION, MAINTENANCE AND OPERATIONS ON THE STATE HIGHWAY SYSTEM. COMPLIANCE WITH APPLICABLE INDICES IS REQUIRED.
 - ROADWAY AND TRAFFIC DESIGN STANDARDS
 - FDOT FLEXIBLE PAVEMENT DESIGN MANUAL FOR NEW CONSTRUCTION AND PAVEMENT REHABILITATION
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING ROADWAY, DRAINAGE SYSTEM, AND UTILITIES AS A DIRECT RESULT OF NEW CONSTRUCTION. ROAD IMPROVEMENTS SUCH AS BUT NOT LIMITED TO RESURFACING MAY BE REQUIRED.

FIRE PROTECTION NOTES:

- ALL PROJECTS MUST COMPLY WITH PASCO COUNTY FIRE HYDRANT ORDINANCE NO. 46-51.
- FIRE HYDRANTS SHALL BE INSTALLED AND IN SERVICE PRIOR TO THE ACCUMULATION OF COMBUSTIBLES.
- PER THE NATIONAL FIRE PROTECTION ASSOCIATION, NFPA-1, 16.4.3.1.3, WHERE UNDERGROUND WATER MAINS AND HYDRANTS ARE TO BE PROVIDED, THEY SHALL BE INSTALLED, COMPLETED, AND IN SERVICE PRIOR TO CONSTRUCTION WORK.
- PER NFPA-1, 18.3.4.1, CLEARANCES OF 7 ½ FEET IN FRONT OF AND TO THE SIDES OF THE FIRE HYDRANT WITH A 4-FOOT CLEARANCE TO THE REAR MUST BE MAINTAINED AT ALL TIMES.
- GATED ENTRIES REQUIRE A SIREN OPERATING SYSTEM OR A 3M OPTICOM SYSTEM FOR EMERGENCY ACCESS.

POTABLE WATER SERVICE PROVIDER:

PASCO COUNTY UTILITIES
19420 CENTRAL BLVD.
LAND O' LAKES, FL 34637
813.235.6189

FIRE SERVICE PROVIDER:

PASCO COUNTY FIRE RESCUE
4111 LAND O' LAKES BLVD., #208
LAND O' LAKES, FL 34639
813.929.2737

SANITARY SEWER SERVICE PROVIDER:

(ON-SITE SEPTIC SYSTEM PERMITTED BY:)
PASCO COUNTY ENVIRONMENTAL HEALTH SERVICES
13941 15TH STREET
DADE CITY, FL 33525
352.521.1450

ELECTRIC SERVICE PROVIDER:

WITHLACOOCHEE RIVER ELECTRIC COOPERATIVE
30461 COMMERCE DRIVE
SAN ANTONIO, FL 33576
352.795.4382

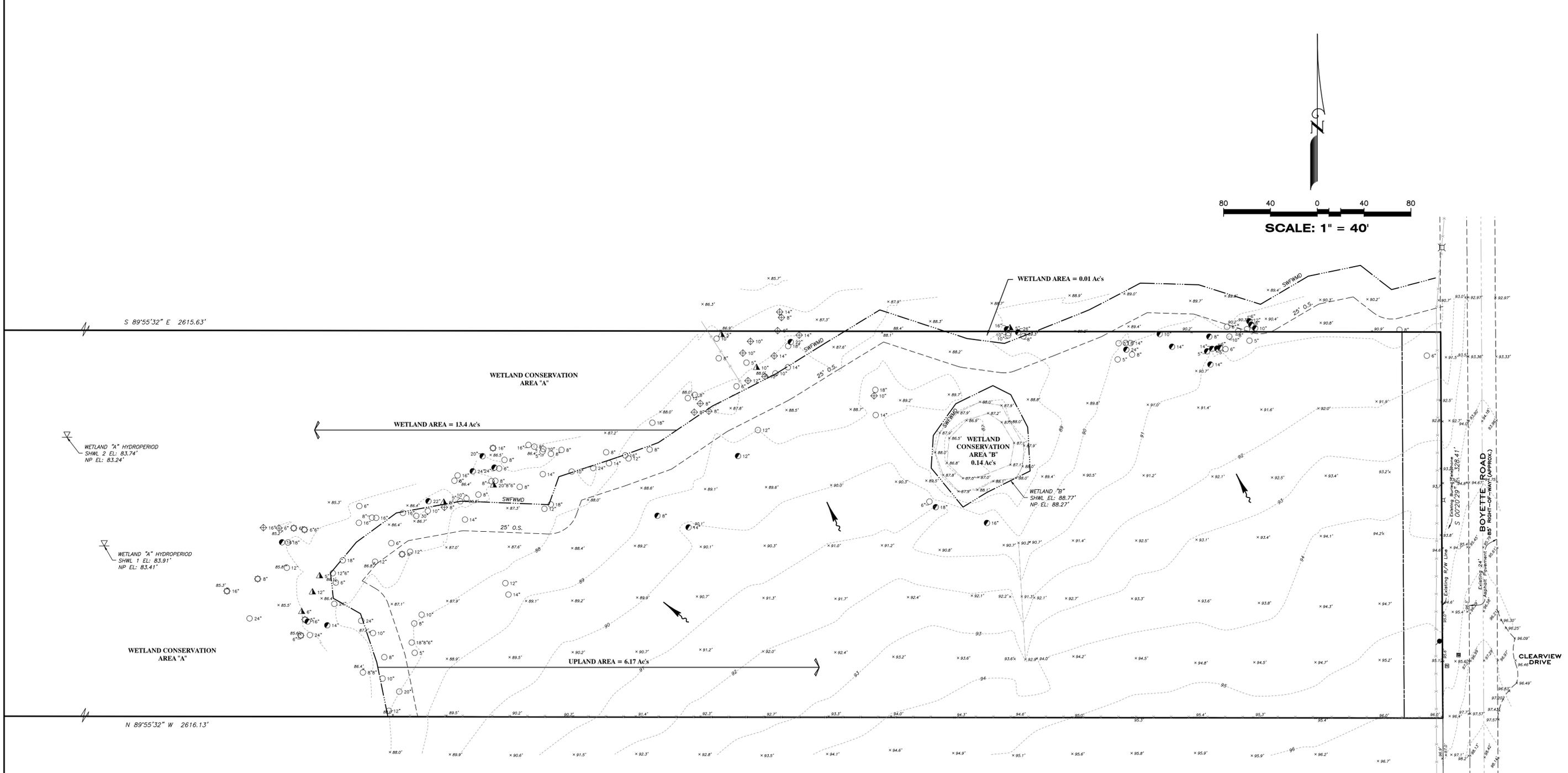
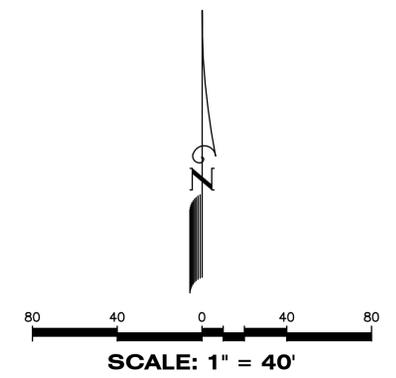
LOCATION OF PUBLIC WATER SYSTEM MAINS IN ACCORDANCE WITH F.A.C. RULE 62-555.314

Other Pipe	Horizontal Separation	Crossings (1)	Joint Spacing @ Crossings (Full Joint Centered)
Storm Sewer, Stormwater Force Main, Reclaimed Water (2)	Water Main 3 ft. minimum	Water Main 12 inches is the minimum, except for storm sewer, then 6 inches is the minimum and 12 inches is preferred	Water Main Alternate 3 ft. minimum
Vacuum Sanitary Sewer	Water Main 10 ft. preferred 3 ft. minimum	Water Main 12 inches preferred 6 inches minimum	Water Main Alternate 3 ft. minimum
Gravity or Pressure Sanitary Sewer, Sanitary Sewer Force Main, Reclaimed Water (4)	Water Main 10 ft. preferred 6 ft. minimum (3)	Water Main 12 inches is the minimum, except for gravity sewer, then 6 inches is the minimum and 12 inches is preferred	Water Main Alternate 6 ft. minimum
On-Site Sewage Treatment & Disposal System	10 ft. minimum	---	---

(1) Water main should cross above other pipe. When water main must be below other pipe, the minimum separation is 12 inches.
(2) Reclaimed water regulated under Part III of Chapter 62-610, F.A.C.
(3) 3 ft. for gravity sanitary sewer where the bottom of the water main is laid at least 6 inches above the top of the gravity sanitary sewer.
(4) Reclaimed water not regulated under Part III of Chapter 62-610, F.A.C.

Disclaimer - This document is provided for your convenience only. Please refer to F.A.C. Rule 62-555.314 for additional construction requirements.

			GENERAL NOTES			
			Grace Community Church of Wesley Chapel Phase I			
DATE	DESCRIPTION	BY	DRAWN	PREPARED FOR:	Grace Community of Wesley Chapel, Inc.	
REVISIONS			DRM			
<small>*REUSE OF DOCUMENT: THE IDEAS & DESIGNS INCORPORATED INTO THIS DRAWING ARE PROVIDED AS A PROFESSIONAL SERVICE TO THIS CLIENT AND ARE THE PROPERTY OF MPH CIVIL CONSULTANTS, INC. THESE IDEAS & DESIGN ARE NOT TO BE USED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN CONSENT OF MPH CIVIL CONSULTANTS, INC.*</small>			DESIGN	HDM	Elevations based on North American Vertical Datum 1988 (NAVD 88) Conversion from NAVD 88 to NGVD 29 = +0.82 Feet	
DATE	H. Duane Milford, P.E. No. 42657 FLORIDA PROFESSIONAL ENGINEER		DATE	JOB NO.	FILE	
			11/06/2015	2015-0001	GN	
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					C-2 of 12	



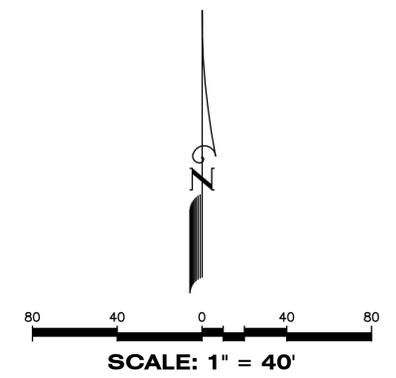
LEGEND

- SWFWMD WETLAND LINE
- 25' OFFSET FROM SWFWMD WETLAND LINE SHOWN FOR INFORMATIONAL PURPOSES
- DIRECTION OF OVERLAND FLOW
- 5" = OAK TREE
- 5" = PINE TREE
- 5" = BAY TREE
- 5" = MAPLE TREE
- 5" = TREE (UNKNOWN VARIETY)

		MPH CIVIL CONSULTANTS, INC.		EXISTING CONDITIONS PLAN			
		MPH Civil Consultants, Inc. Civil Engineering Services P.O. Box 1121 Odessa, FL 33556 813.731.0052 duane@mphcivil.com www.mphcivil.com		Grace Community Church of Wesley Chapel Phase 1			
		DATE: H. Duane Milford, P.E. No. 42657 FLORIDA PROFESSIONAL ENGINEER		DRAWN FOR: Grace Community of Wesley Chapel, Inc.			
		FLORIDA CA NO. 30727		DESIGN FOR: Elevations based on North American Vertical Datum 1988 (NAVD 88) Conversion from NAVD 88 to NGVD 29 = +0.82 Feet			
				DATE: 11/06/2015 JOB NO.: 2015-0001 FILE: EX SHEET: C-3 of 12			

REVISIONS

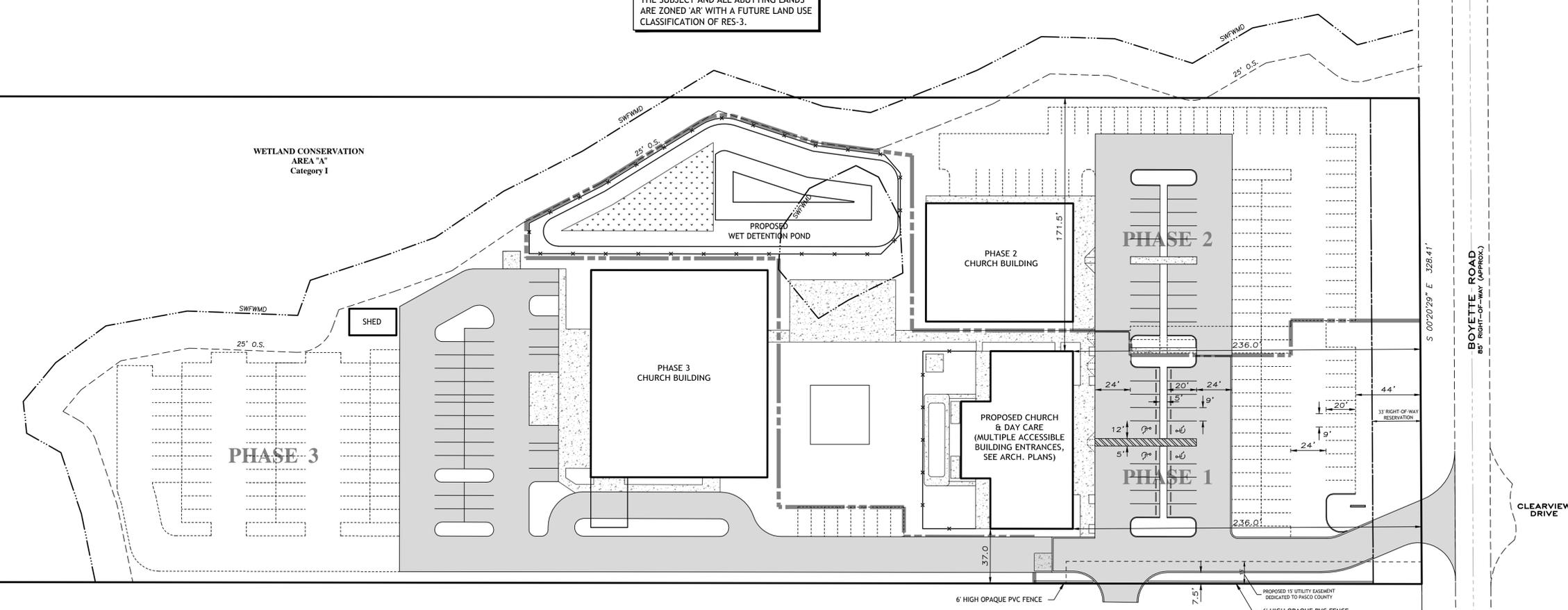
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THE SUBJECT AND ALL ABUTTING LANDS ARE ZONED 'AR' WITH A FUTURE LAND USE CLASSIFICATION OF RES-3.

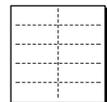
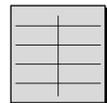
S 89°55'32" E 2615.63'

WETLAND CONSERVATION AREA "A" Category I



N 89°55'32" W 2616.13'

LEGEND

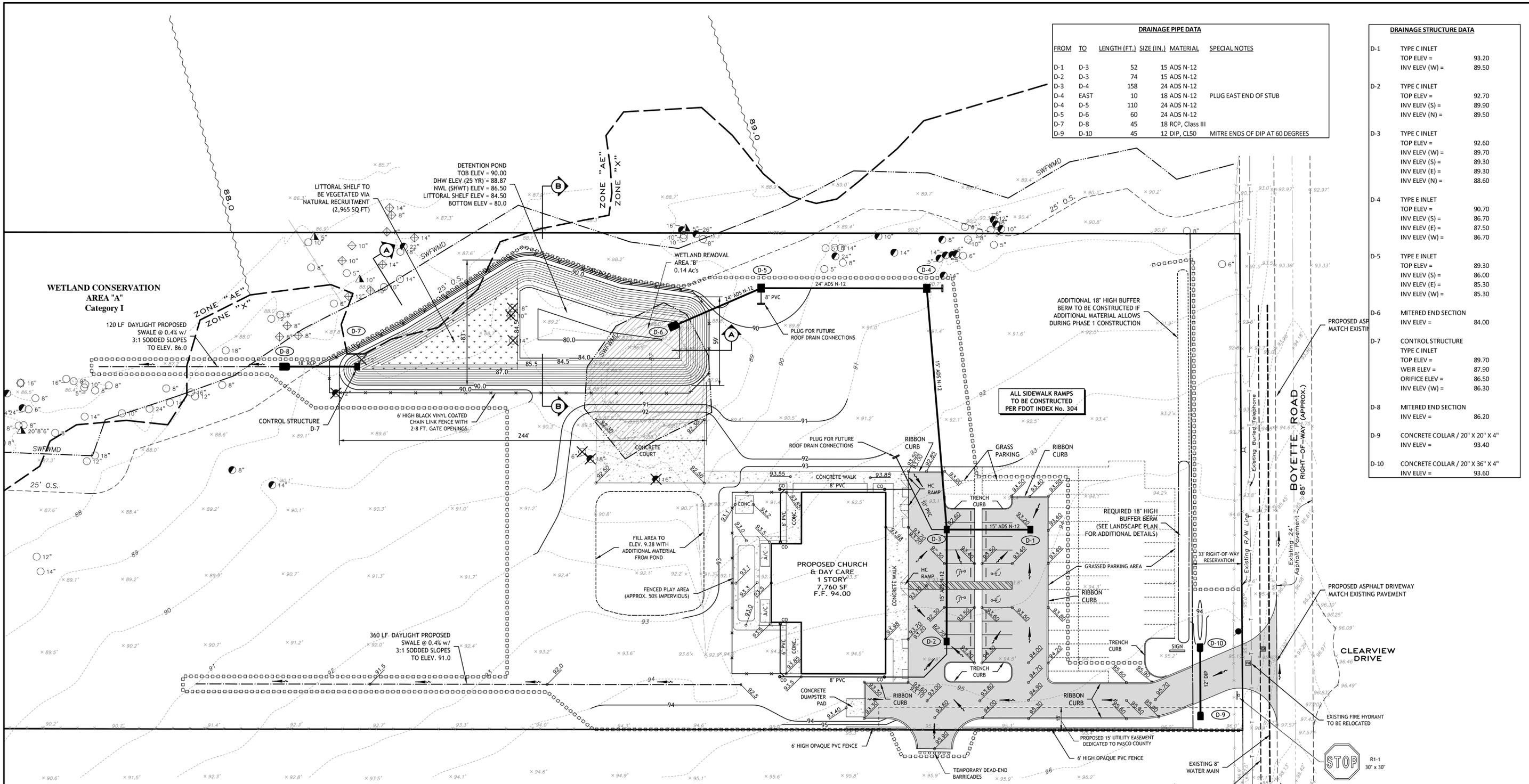
-  PROPOSED GRASSED PARKING
-  PROPOSED PAVED PARKING
-  PHASE LINE

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		DATE: 11/06/2015 DESIGN: HDM DRAWN: DRM	PREPARED FOR: Grace Community of Wesley Chapel, Inc. ELEVATIONS based on North American Vertical Datum 1988 (NAVD 88) Conversion from NAVD 88 to NGVD 29 = +0.82 Feet	JOB NO.: 2015-0001 FILE: MSP	SHEET: C-4 OF 12

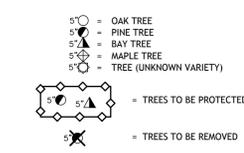
DATE: H. Duane Milford, P.E. No. 42657
FLORIDA PROFESSIONAL ENGINEER

DRAINAGE PIPE DATA					
FROM	TO	LENGTH (FT.)	SIZE (IN.)	MATERIAL	SPECIAL NOTES
D-1	D-3	52	15	ADS N-12	
D-2	D-3	74	15	ADS N-12	
D-3	D-4	158	24	ADS N-12	
D-4	EAST	10	18	ADS N-12	PLUG EAST END OF STUB
D-4	D-5	110	24	ADS N-12	
D-5	D-6	60	24	ADS N-12	
D-7	D-8	45	18	RCP, Class III	
D-9	D-10	45	12	DIP, CL50	MITRE ENDS OF DIP AT 60 DEGREES

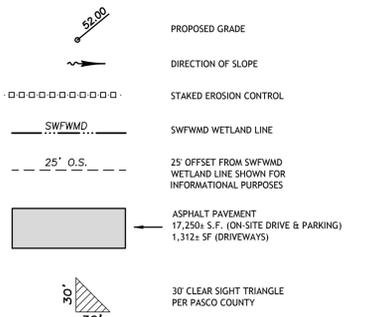
DRAINAGE STRUCTURE DATA		
D-1	TYPE C INLET	
	TOP ELEV =	93.20
	INV ELEV (W) =	89.50
D-2	TYPE C INLET	
	TOP ELEV =	92.70
	INV ELEV (S) =	89.90
	INV ELEV (N) =	89.50
D-3	TYPE C INLET	
	TOP ELEV =	92.60
	INV ELEV (W) =	89.70
	INV ELEV (S) =	89.30
	INV ELEV (E) =	89.30
	INV ELEV (N) =	88.60
D-4	TYPE E INLET	
	TOP ELEV =	90.70
	INV ELEV (S) =	86.70
	INV ELEV (E) =	87.50
	INV ELEV (W) =	86.70
D-5	TYPE E INLET	
	TOP ELEV =	89.30
	INV ELEV (S) =	86.00
	INV ELEV (E) =	85.30
	INV ELEV (W) =	85.30
D-6	MITERED END SECTION	
	INV ELEV =	84.00
D-7	CONTROL STRUCTURE	
	TYPE C INLET	
	TOP ELEV =	89.70
	WEIR ELEV =	87.90
	ORIFICE ELEV =	86.50
	INV ELEV (W) =	86.30
D-8	MITERED END SECTION	
	INV ELEV =	86.20
D-9	CONCRETE COLLAR / 20" X 20" X 4"	
	INV ELEV =	93.40
D-10	CONCRETE COLLAR / 20" X 36" X 4"	
	INV ELEV =	93.60



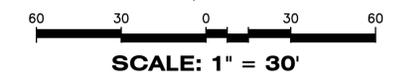
TREE LEGEND



LEGEND



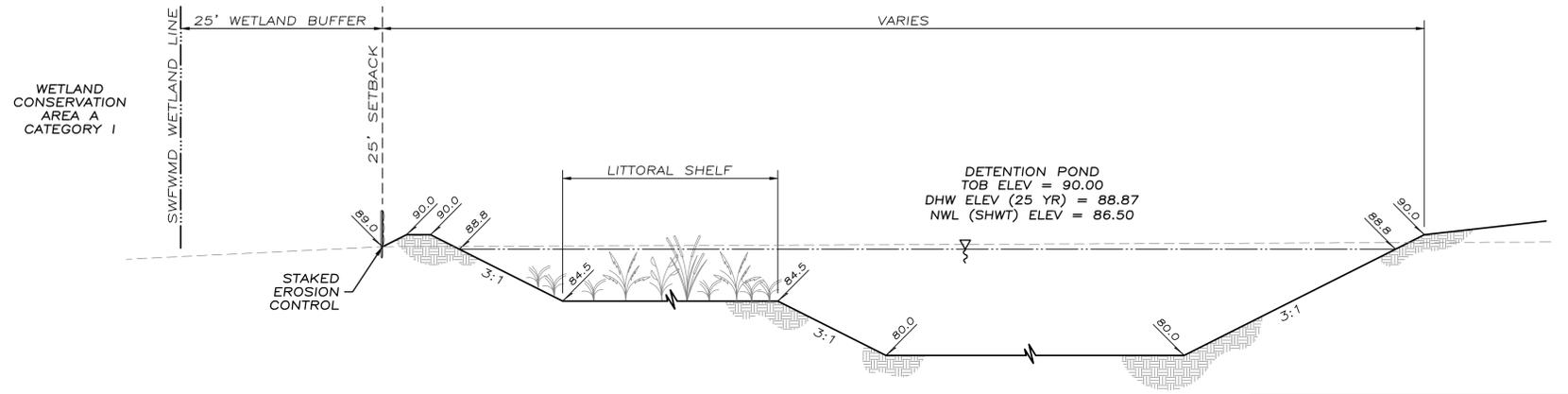
Subject property shown hereon appears to lie in Flood Zones X & AE, according to F.I.R.M. Community Panel Number 12101C0264F, dated September 26, 2014



ROOF DRAIN NOTE:
 SITE CONTRACTOR TO PROVIDE PVC PIPE CONNECTION FROM THE 14 DOWNSPOUTS TO THE ROOF DRAIN LEADERS SHOWN ON THIS PLAN. CONNECTING PIPES TO BE MINIMUM SIZE NECESSARY TO INSERT DOWNSPOUTS INTO THE PIPES. TOP OF CONNECTING PIPE TO BE 2-INCHES ABOVE FINAL GRADE AT EACH DOWNSPOUT LOCATION. PROVIDE FLEXIBLE BOOT OR SIMILAR CONNECTION FOR DEBRIS PROOFING. CONNECTING PIPES AND LEADERS SHALL BE SDR 35 MIN. AND SLOPED AT NO LESS THAN 0.5%. SEE ARCH. PLANS FOR DOWNSPOUT LOCATIONS.

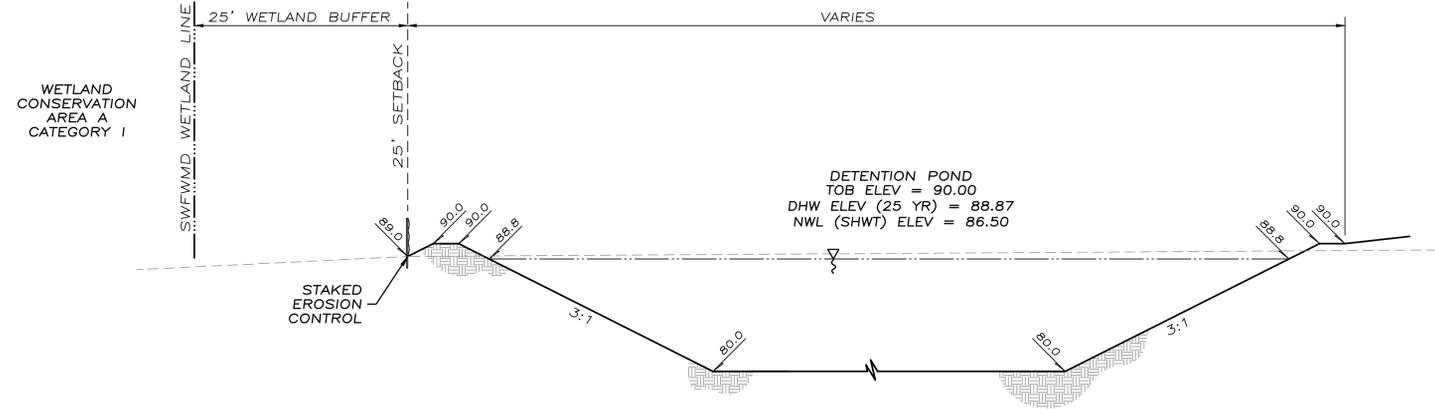
CALL 48 HOURS BEFORE YOU DIG
811
 IT'S THE LAW DIAL 811
 Know what's below. Call before you dig.
 SUNSHINE STATE ONE CALL OF FLORIDA, INC.

MPH CIVIL CONSULTANTS, INC. MPH Civil Consultants, Inc. Civil Engineering Services P.O. Box 1121 Odessa, FL 33556 813.731.0052 duane@mphcivil.com www.mphcivil.com FLORIDA CA NO. 30727			PAVING, GRADING & DRAINAGE PLAN Grace Community Church of Wesley Chapel Phase I		
DATE	DESCRIPTION	BY	DRAWN	PREPARED FOR:	Grace Community of Wesley Chapel, Inc.
REVISIONS <small>REUSE OF DOCUMENT: THE IDEAS & DESIGNS INCORPORATED INTO THIS DRAWING ARE PROVIDED AS A PROFESSIONAL SERVICE TO THIS CLIENT AND ARE THE PROPERTY OF MPH CIVIL CONSULTANTS, INC. THESE IDEAS & DESIGN ARE NOT TO BE USED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN CONSENT OF MPH CIVIL CONSULTANTS, INC.</small>			DESIGN	DATE	11/06/2015
H. Duane Milford, P.E. No. 42657 FLORIDA PROFESSIONAL ENGINEER			JOB NO.	FILE	2015-0001 GDP
			SHEET	C-5 OF 12	

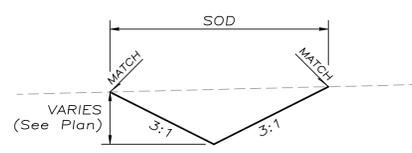


SOD ENTIRE LIMITS OF POND AREA WITH BAHIA SOD INSIDE THE FENCE AND DOWN TO ELEVATION 86.5 WITHIN THE POND.

SECTION A-A
- NO SCALE -

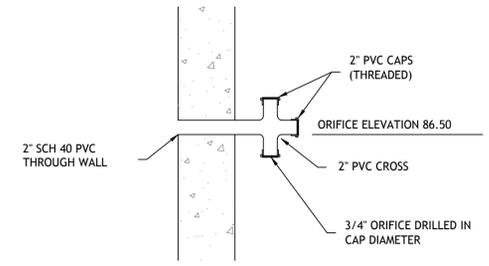


SECTION B-B
- NO SCALE -

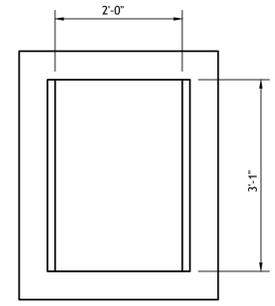


TYPICAL DAYLIGHT SWALE
- NO SCALE -

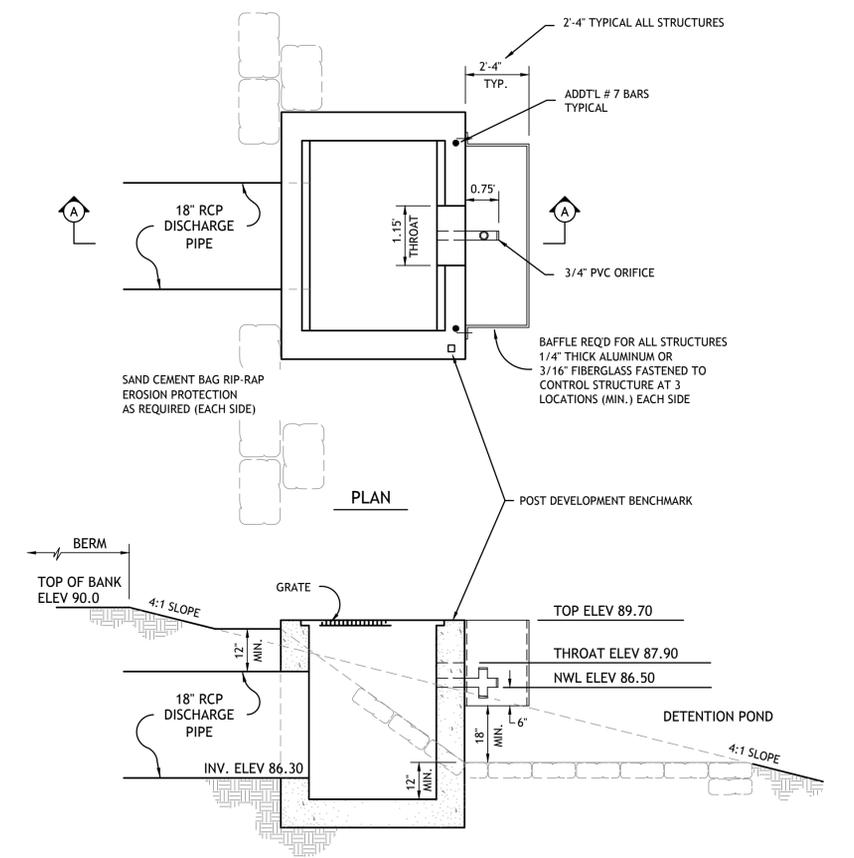
			CROSS SECTIONS			
			Grace Community Church of Wesley Chapel Phase 1			
DATE		DESCRIPTION	BY	DRAWN FOR: Grace Community of Wesley Chapel, Inc.		
REVISIONS						
<small>*REUSE OF DOCUMENT: THE IDEAS & DESIGNS INCORPORATED INTO THIS DRAWING ARE PROVIDED AS A PROFESSIONAL SERVICE TO THIS CLIENT AND ARE THE PROPERTY OF MPH CIVIL CONSULTANTS, INC. THESE IDEAS & DESIGN ARE NOT TO BE USED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN CONSENT OF MPH CIVIL CONSULTANTS, INC.*</small>			DATE: H. Duane Milford, P.E. No. 42657 FLORIDA PROFESSIONAL ENGINEER		PREPARED FOR: Grace Community of Wesley Chapel, Inc. DESIGN HDM DATE 11/06/2015	
			MPH CIVIL CONSULTANTS, INC. MPH Civil Consultants, Inc. Civil Engineering Services P.O. Box 1121 Odessa, FL 33556 813.731.0052 duane@mphcivil.com www.mphcivil.com FLORIDA CA NO. 30727		Elevations based on North American Vertical Datum 1988 (NAVD 88) Conversion from NAVD 88 to NGVD 29 = +0.82 Feet JOB NO. 2015-0001 FILE SEC SHEET C-6 of 12	



ORIFICE DETAIL



TYPE "C"

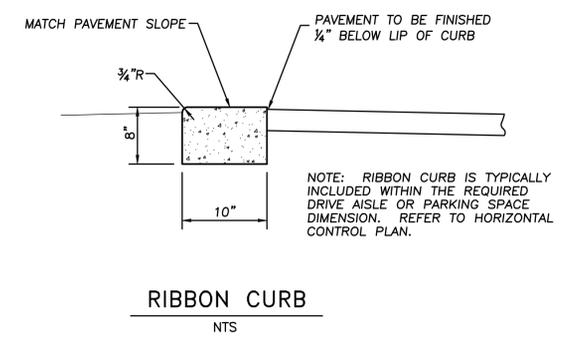
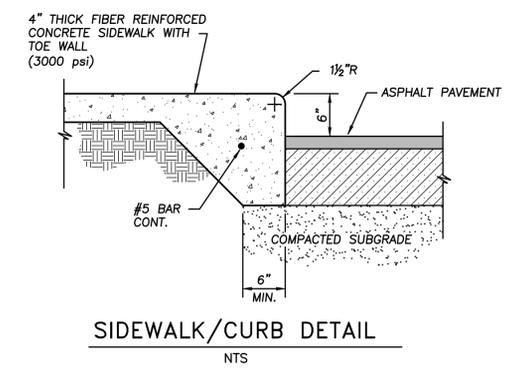
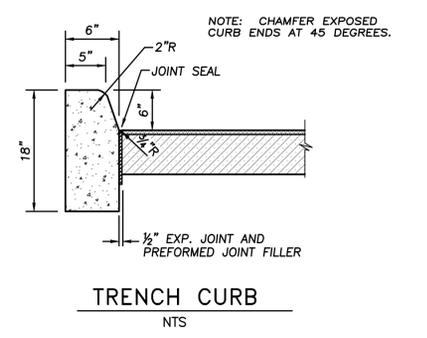
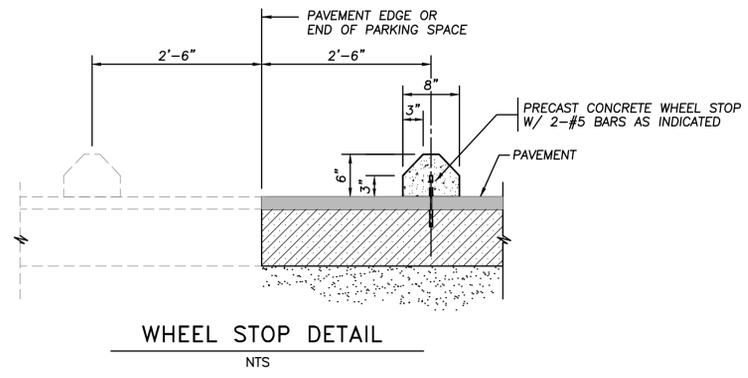
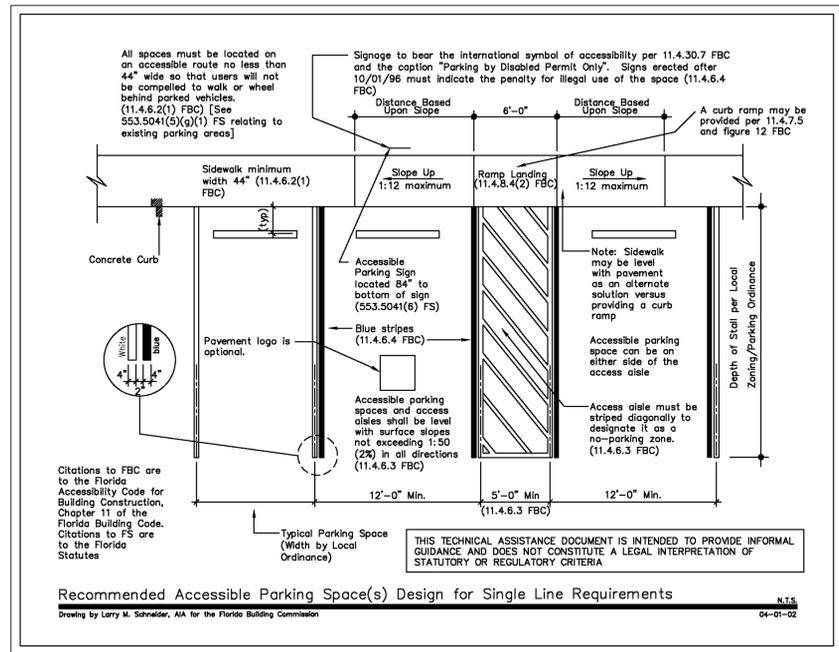


SECTION "A-A"
DETENTION POND
TYPICAL CONTROL STRUCTURE
MODIFIED

NOTE:
DRAWING NOT TO SCALE

NOTE:
CONTRACTOR SHALL SUBMIT SHOP DRAWINGS
TO ENGINEER FOR APPROVAL PRIOR TO
CONSTRUCTING CONTROL STRUCTURES

			MPH CIVIL CONSULTANTS, INC.		CONTROL STRUCTURE DETAIL							
			MPH Civil Consultants, Inc. Civil Engineering Services P.O. Box 1121 Odessa, FL 33556 813.731.0052 duane@mphcivil.com www.mphcivil.com		Grace Community Church of Wesley Chapel Phase 1							
DATE	DESCRIPTION	BY			DRAWN	DRM	PREPARED FOR:	Grace Community of Wesley Chapel, Inc.				
REVISIONS					DESIGN	HDM	Elevations based on North American Vertical Datum 1988 (NAVD 88) Conversion from NAVD 88 to NGVD 29 = +0.82 Feet					
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**PROPOSED PAVEMENT STRUCTURE
ALL LOCAL ROADS**

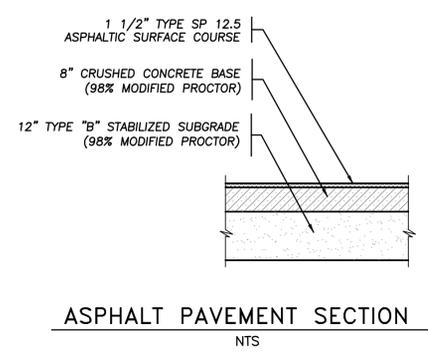
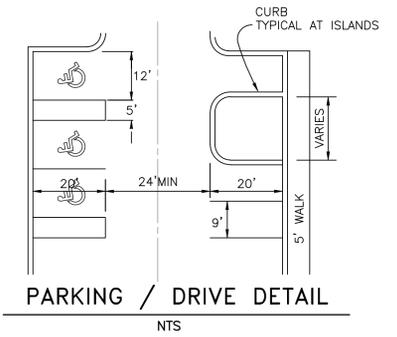
Layer Coefficients	Thickness
0.44 - Type SP-12.5 Asphalt Concrete Surface Course	1 1/2"
0.15 - Crushed Concrete Base Course (LBR 150)	8"
0.08 - Stabilized Subgrade (LBR 40, 12" Min.)	12"

$$SN = (0.44) (1.50) + (0.15) (8) + (0.08) (12)$$

$$SN = 2.82$$

SN	SN _R
2.82	2.24

Use: 8" Crushed Concrete Base with 1-1/2" Type SP-12.5 A.C.S.C. and 12" Stabilized Subgrade (12" Min.)

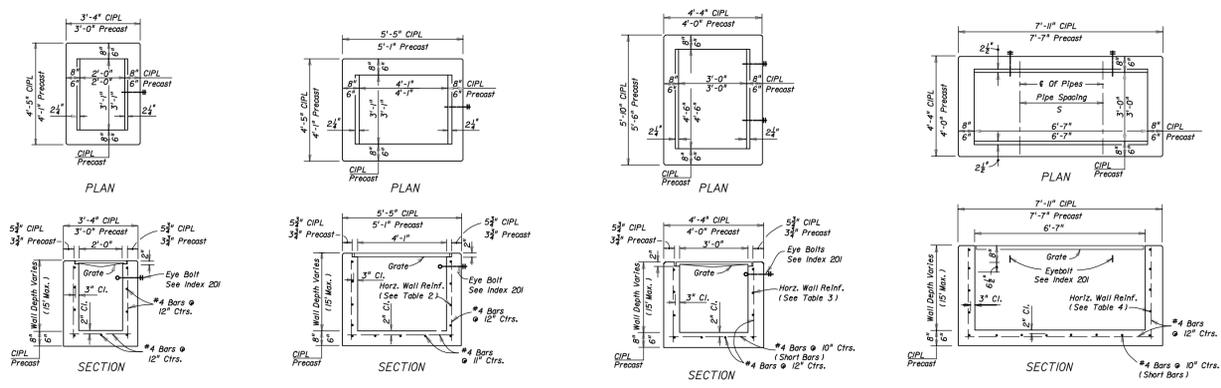


NOTE: USE 2" MIN. SP 12.5 IN SOUTHERN DRIVE AISLE AND BOYETTE ROAD RIGHT-OF-WAY.

- PAVEMENT CONSTRUCTION NOTES**
- Pavement wearing surface shall be asphaltic concrete of type and thickness shown in detail and shall meet current Department of Transportation Specifications.
 - Pavement base shall be crushed concrete, as designated in plans, and shall be compacted to a minimum thickness as shown.
 - All Portland Cement Concrete shall have a minimum 28 day compressive strength of 3000 p.s.i.
 - Subgrade for base construction shall be in accordance with D.O.T. Standard Specifications, latest edition.
 - Subgrade shall be compacted to a minimum density of ninety-eight (98) percent, Modified Proctor. Subgrade shall be proof-rolled to grade, as directed by the Engineer and approved by the Engineer prior to placement of base course.
 - All curbs and gutters shall be placed on a foundation of Type "B" stabilized subgrade with a minimum LBR value of 40 (or a minimum FBV of 75) which has been compacted to a minimum density of ninety-eight (98) percent of the maximum density as determined by AASHTO T-180 for a minimum depth of twelve (12) inches.

- Crushed concrete road base material should meet the following conditions:
- Should be of uniform quality, free of all organics, steel rebar, asphalt debris, and any other deleterious material.
 - Should have a minimum Limerock Bearing Ratio (LBR) of 150, tested at a 300 foot frequency.
 - Single course lifts should not exceed 8-inches (loose).
 - Should conform to the gradation chart for graded aggregate base, FDOT Section 204, tested at a 500 foot frequency.
 - Should be compacted to a minimum of 98% of AASHTO T-180, tested at a 500 foot frequency.

			CIVIL DETAILS Grace Community Church of Wesley Chapel Phase I			
MPH Civil Consultants, Inc. Civil Engineering Services P.O. Box 1121 Odessa, FL 33556 813.731.0052 duane@mphcivil.com www.mphcivil.com			DRAWN FOR: Grace Community of Wesley Chapel, Inc. PREPARED FOR:			
DATE: H. Duane Milford, P.E. No. 42657 FLORIDA PROFESSIONAL ENGINEER			DESIGN HDM Elevations based on North American Vertical Datum 1988 (NAVD 88) Conversion from NAVD 88 to NGVD 29 = +0.82 Feet			
REVISIONS			DATE: 11/06/2015 JOB NO.: 2015-0001 FILE: DD SHEET C-8 OF 12			



HORIZONTAL WALL REINFORCING SCHEDULES (TABLE 1)

WALL DEPTH	SCHEDULE	AREA (In ² /Yd)	MAX. SPACING BARS W/W
0'-6"	A12	0.20	12" 8"
6'-0"	A6	0.20	6" 5"
10'-15"	A4	0.20	4" 3"
10'-15"	B5.5	0.24	5 1/2" 5"

HORIZONTAL WALL REINFORCING SCHEDULES (TABLE 2)

WALL DEPTH	SCHEDULE	AREA (In ² /Yd)	MAX. SPACING BARS W/W
0'-5"	A12	0.20	12" 8"
6'-0"	A6	0.20	6" 5"
7.5'-10"	B5.5	0.24	5 1/2" 5"
10'-15"	B5.5	0.24	5 1/2" 5"

HORIZONTAL WALL REINFORCING SCHEDULES (TABLE 3)

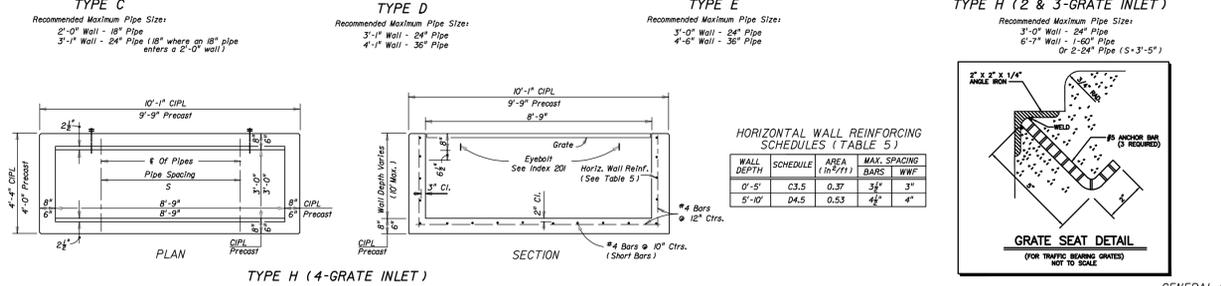
WALL DEPTH	SCHEDULE	AREA (In ² /Yd)	MAX. SPACING BARS W/W
0'-5"	B5.5	0.24	5 1/2" 5"
5'-7"	C6.5	0.37	6 1/2" 6"
7'-15"	D4.5	0.53	4 1/2" 4"

HORIZONTAL WALL REINFORCING SCHEDULES (TABLE 4)

WALL DEPTH	SCHEDULE	AREA (In ² /Yd)	MAX. SPACING BARS W/W
0'-5"	B5.5	0.24	5 1/2" 5"
5'-7"	C6.5	0.37	6 1/2" 6"
7'-15"	D4.5	0.53	4 1/2" 4"

HORIZONTAL WALL REINFORCING SCHEDULES (TABLE 5)

WALL DEPTH	SCHEDULE	AREA (In ² /Yd)	MAX. SPACING BARS W/W
0'-5"	C3.5	0.37	3 1/2" 3"
5'-10"	D4.5	0.53	4 1/2" 4"



DITCH BOTTOM INLET TYPES C, D, E & H

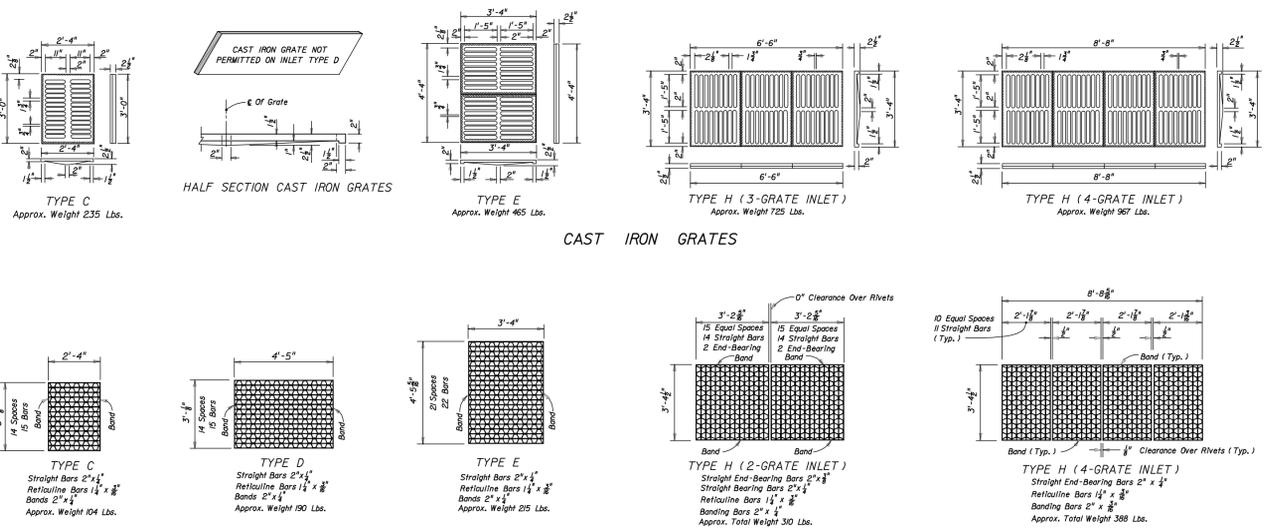
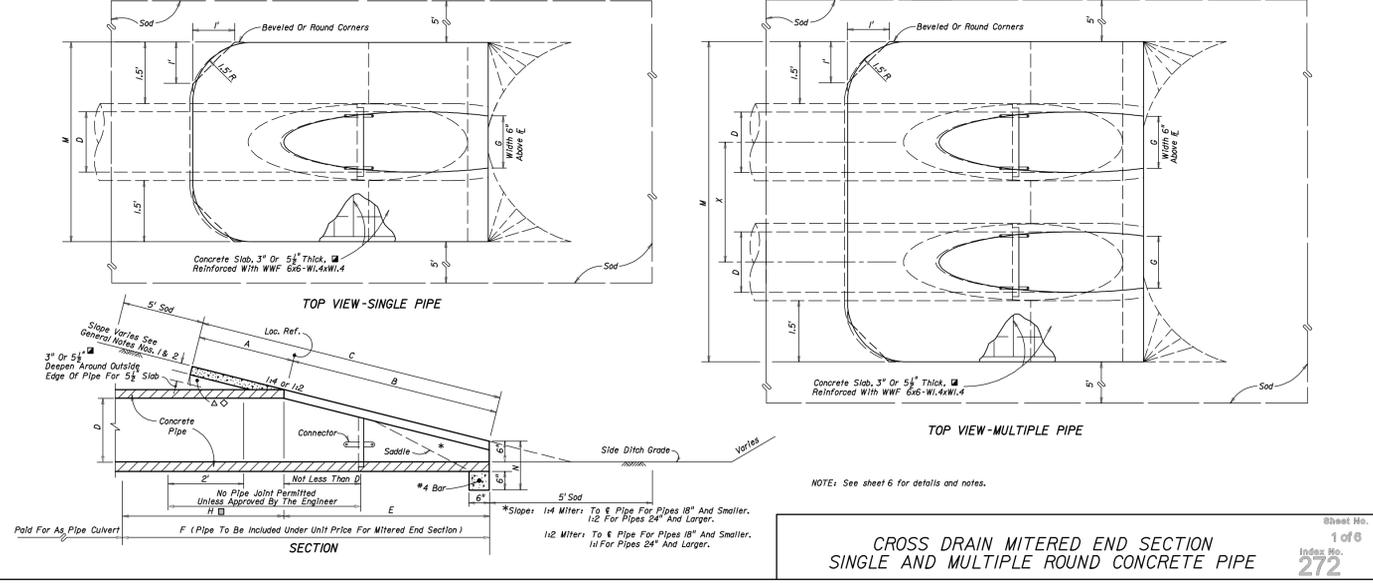
Sheet No. 1 of 6
Index No. 232

DIMENSIONS AND QUANTITIES

D	X	A	B	C	E	F	G	H	M				N				SOODING (SQ. YDS.)				
									Single Pipe	Double Pipe	Triple Pipe	Quad. Pipe	Single Pipe	Double Pipe	Triple Pipe	Quad. Pipe	Single Pipe	Double Pipe	Triple Pipe	Quad. Pipe	
18"	2'-0"	1.80	2.00	4.00	2.00	5'	1.25	2.3	4.63	7.21	9.79	12.37	1.89	0.38	0.58	0.77	0.96	21	24	27	30
24"	2'-0"	2.40	2.60	5.20	2.60	5'	1.67	3.4	6.87	11.74	15.68	19.62	2.52	0.51	0.76	1.01	1.26	24	28	32	35
30"	2'-0"	3.00	3.20	6.40	3.20	5'	2.08	5.1	10.20	17.31	22.91	28.51	3.36	0.68	1.02	1.36	1.70	24	28	32	35
36"	2'-0"	3.60	3.80	7.60	3.80	5'	2.50	6.8	13.60	23.11	30.14	37.17	4.00	0.90	1.35	1.80	2.25	24	28	32	35
42"	2'-0"	4.20	4.40	8.80	4.40	5'	2.92	8.5	17.40	29.31	38.41	47.51	4.74	1.08	1.62	2.16	2.70	24	28	32	35
48"	2'-0"	4.80	5.00	10.00	5.00	5'	3.34	10.2	20.40	34.51	45.61	56.71	5.48	1.26	1.89	2.52	3.15	24	28	32	35
54"	2'-0"	5.40	5.60	11.20	5.60	5'	3.76	11.9	23.80	39.71	51.81	63.91	6.22	1.44	2.16	2.88	3.60	24	28	32	35
60"	2'-0"	6.00	6.20	12.40	6.20	5'	4.18	13.6	27.20	44.91	58.01	71.11	6.96	1.62	2.43	3.24	4.05	24	28	32	35
66"	2'-0"	6.60	6.80	13.60	6.80	5'	4.60	15.3	30.60	50.11	64.21	78.31	7.70	1.80	2.70	3.60	4.50	24	28	32	35
72"	2'-0"	7.20	7.40	14.80	7.40	5'	5.02	17.0	34.00	55.31	70.41	85.51	8.44	2.00	2.99	3.98	4.97	24	28	32	35

See General Note No. 3.
See Sheet 5 of 6 For 3" Slab Quantities.
Values shown for estimating pipe quantities and are for information only.

B E
Δ 6.42' Δ 6.25' Dimensions permitted to allow use of 8" standard pipe lengths.
○ 10.40' ○ 10.10' Dimensions permitted to allow use of 12" standard pipe lengths.
Δ Concrete slab shall be designed to form bridge across crown of pipe. See section below.

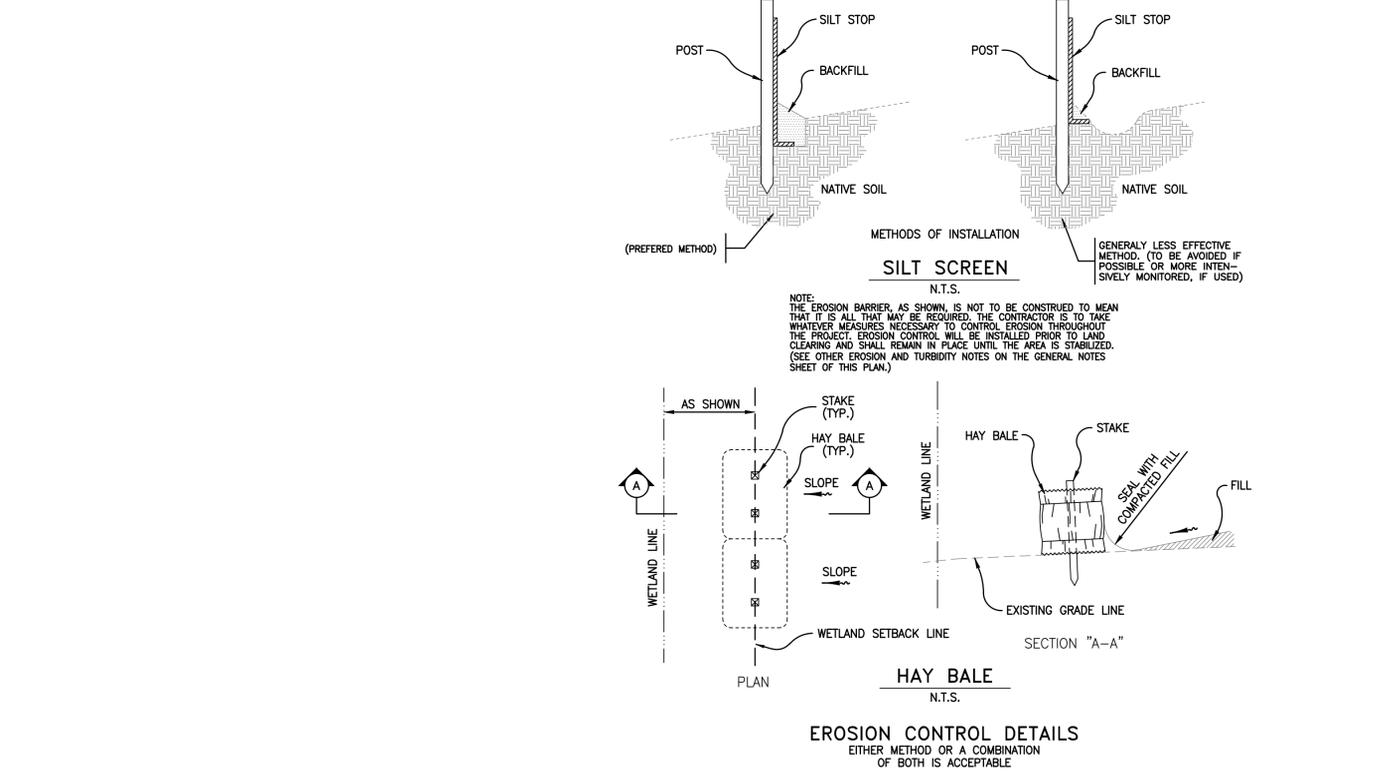


GENERAL NOTES

- These inlets are suitable for bicycle traffic and are to be used in ditches, medians and other areas subject to infrequent traffic loadings but are not to be placed in areas subject to any heavy wheel loads. These inlets may be placed in areas subject to occasional pedestrian traffic such as landscaped areas and pavement areas where pedestrians can walk around the inlet.
- Inlets subject to minimal debris should be constructed without slots. Where debris is a problem, inlets should be constructed with slots. Slotted inlets located within rocky, clear zones and areas subject to bicycles and/or pedestrians shall have traversable slots. The traversable slot modification is not adaptable to Inlet Type H. Slots may be constructed at either or both ends as shown on plans.
- Steel grates are to be used on all inlets where bicycle traffic is anticipated. Steel grates are to be used on all inlets with traversable slots. Either cast iron or steel grates may be used on inlets without slots where bicycle traffic is not anticipated. Either cast iron or steel grates may be used on all inlets with non-traversable slots. Subject to the selection described above, when Alternative D grate is specified in the plans, either the steel grate, hot dipped galvanized or fabricated, or the cast iron grate may be used, unless the plans dictate the particular type.
- Recommended maximum pipe sizes shown are for concrete pipe. Size for other types of pipe must be checked for fit.
- All exposed corners and edges of concrete are to be chamfered 3/8".
- Concrete inlet pavement to be used on inlets without slots and inlets with non-traversable slots only when called for in the plans, but required on all traversable slot inlets. Cost to be included in contract unit price for inlets. Quantities shown are for information only.
- Traversable slots constructed in existing inlets shall be paid for as inlets partial. For conversion work and method of payment see "TRAVERSABLE SLOT INLETS (PARTIAL)" FOR EXISTING INLETS.
- Sodding to be used on all inlets not located in paved areas and paid for under contract concrete inlet pavement unit price for Sodding, 51.
- For supplementary details see Index No. 201.
- All reinforcing Grade 60 bars with 2" min. cover unless otherwise noted. Bars to be cut or bent for 1/8" clearance around pipe opening. Provide one additional #4 bar above and at each side of pipe opening.

DITCH BOTTOM INLET TYPES C, D, E & H

Sheet No. 2 of 6
Index No. 232



CIVIL DETAILS

MPH CIVIL CONSULTANTS, INC.

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P.O. Box 1121
Odessa, FL 33556
813.731.0052
duane@mphcivil.com
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FLORIDA CA NO. 30727

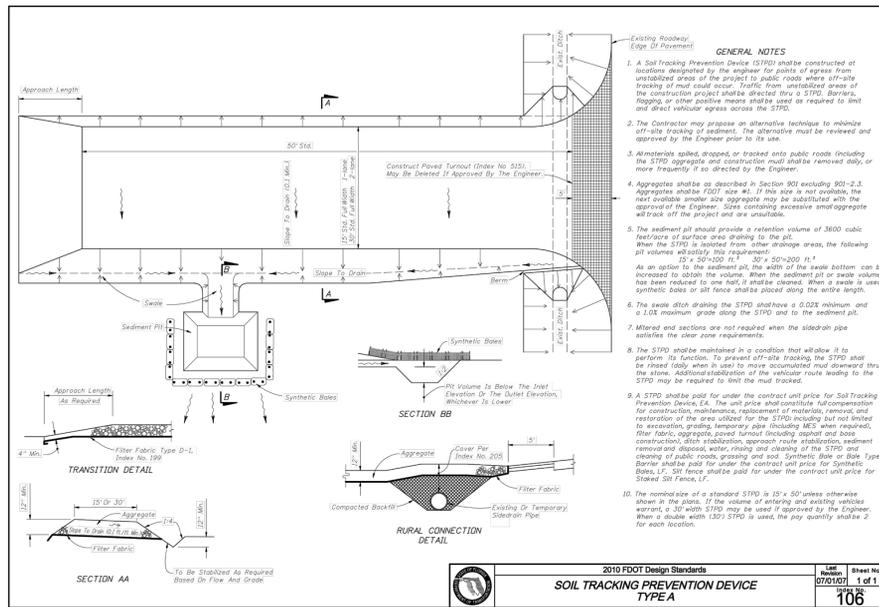
Grace Community Church of Wesley Chapel Phase I

DATE	DESCRIPTION	BY
11/06/2015	DESIGN	HDM

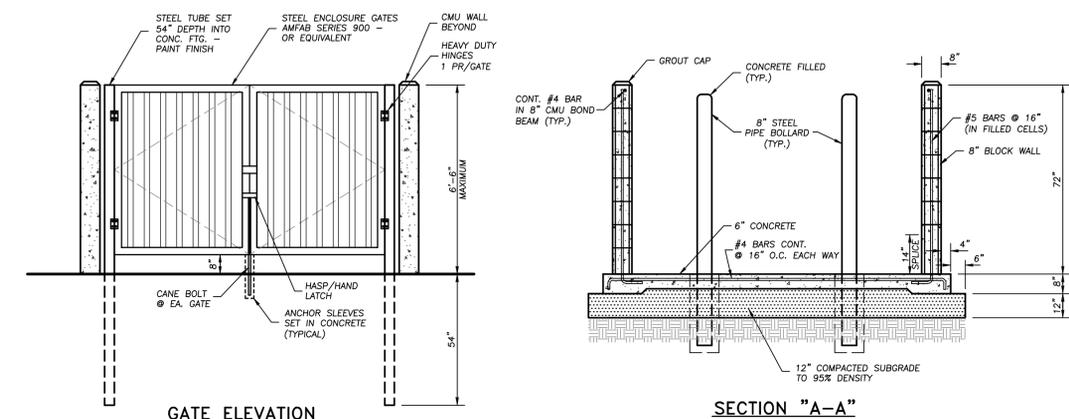
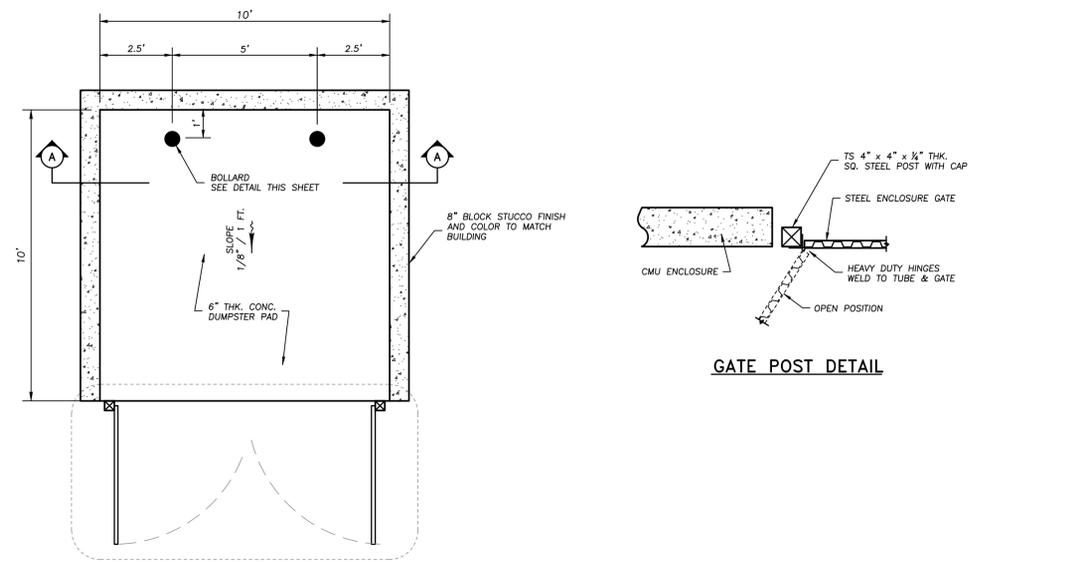
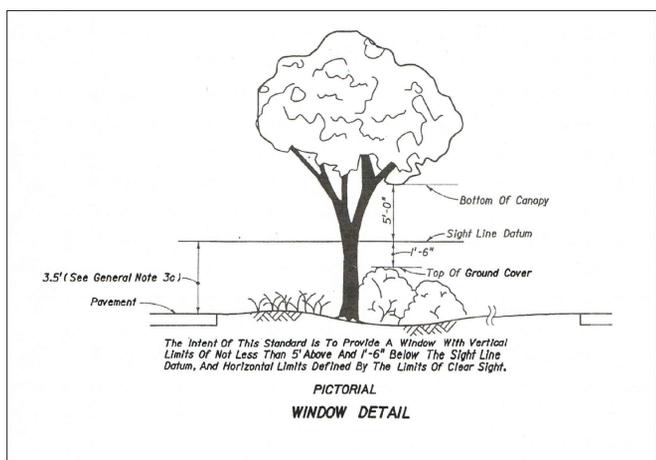
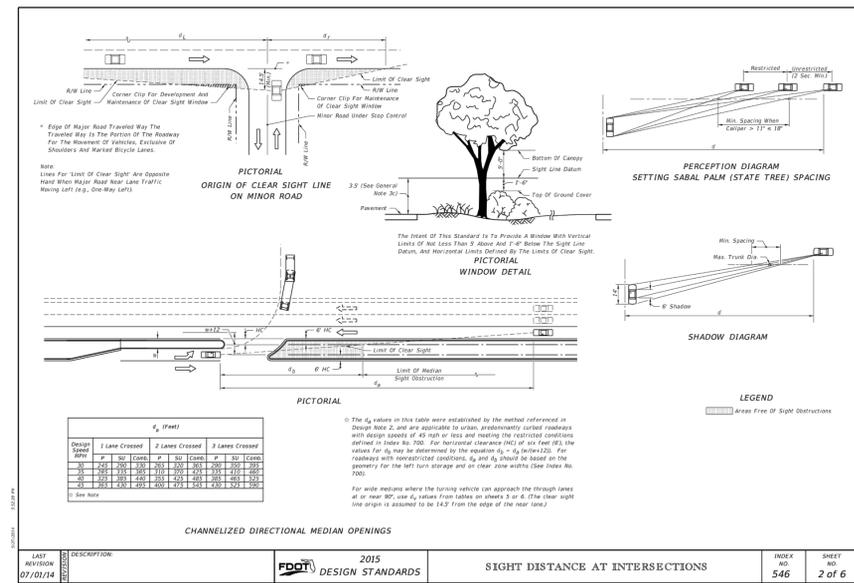
REVISIONS

DATE: H. Duane Milford, P.E. No. 42657
FLORIDA PROFESSIONAL ENGINEER

DRAWN	PREPARED FOR		
DRM	Grace Community of Wesley Chapel, Inc.		
DESIGN	Elevations based on North American Vertical Datum 1988 (NAVD 88)		
HDM	Conversion from NAVD 88 to NGVD 29 = +0.82 Feet		
DATE	JOB NO.	FILE	SHEET
11/06/2015	2015-0001	DD	C-9 OF 12

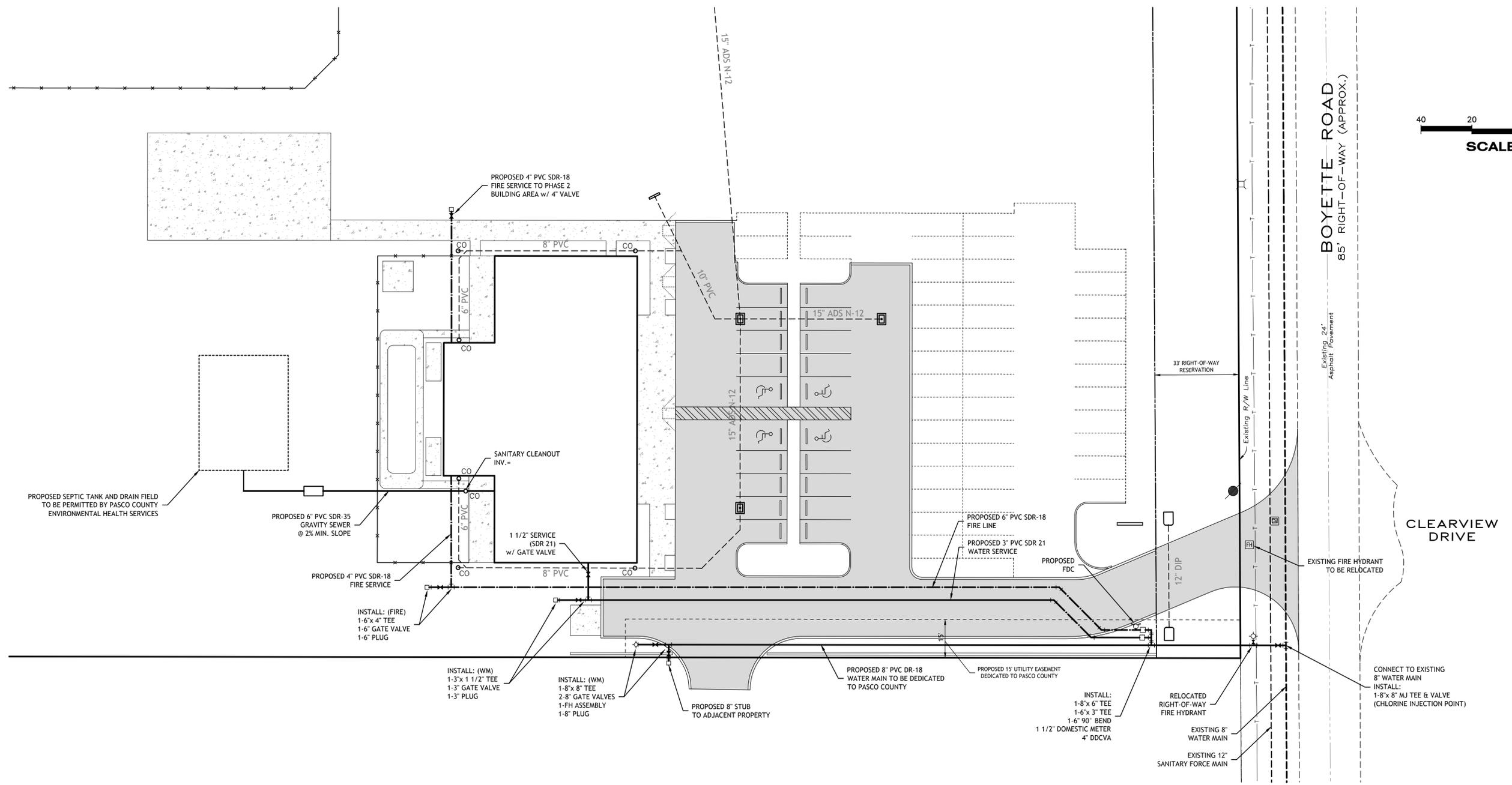
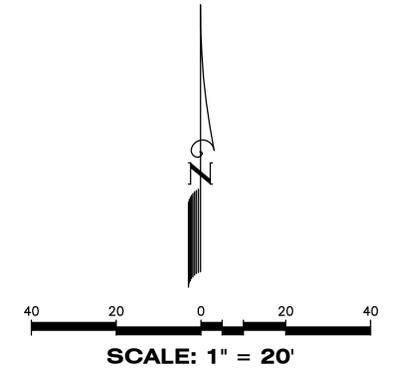


2010 FDOT Design Standards	Sheet No. 106
SOIL TRACKING PREVENTION DEVICE TYPE A	1 of 1

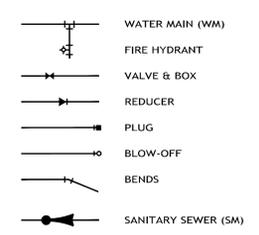


DUMPSTER ENCLOSURE DETAIL
N.T.S.

DATE			DESCRIPTION			BY		
REVISIONS								
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DATE: 11/06/2015						H. Duane Milford, P.E. No. 42657 FLORIDA PROFESSIONAL ENGINEER		
			CIVIL DETAILS					
			Grace Community Church of Wesley Chapel Phase I					
DRAWN: DRM	PREPARED FOR: Grace Community of Wesley Chapel, Inc.							
DESIGN: HDM	Elevations based on North American Vertical Datum 1988 (NAVD 88) Conversion from NAVD 88 to NGVD 29 = +0.82 Feet							
DATE: 11/06/2015	JOB NO.: 2015-0001	FILE: DD	SHEET C-10 OF 12					



LEGEND



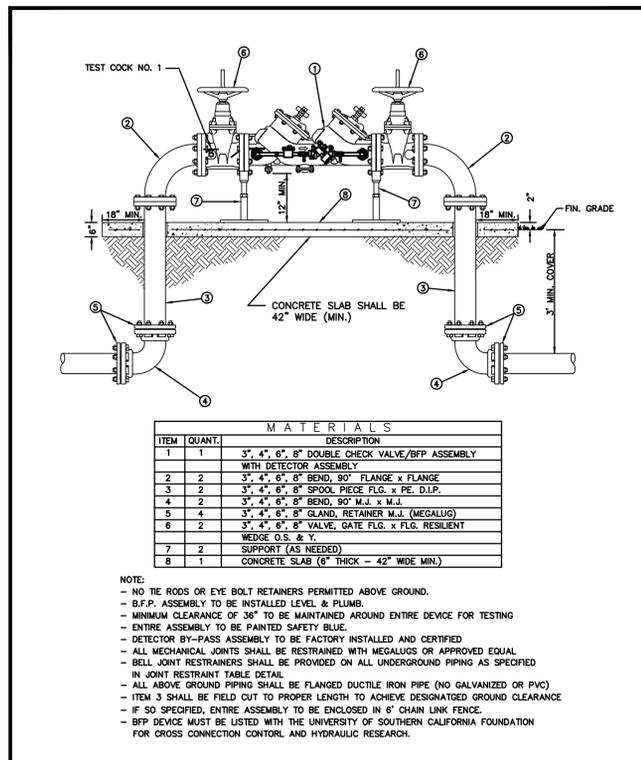
DATE	DESCRIPTION	BY
REVISIONS		

DATE: H. Duane Milford, P.E. No. 42657
FLORIDA PROFESSIONAL ENGINEER

MPH CIVIL CONSULTANTS, INC.
 MPH Civil Consultants, Inc.
 Civil Engineering Services
 P.O. Box 1121
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 813.731.0052
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 FLORIDA CA NO. 30727

WATER & SEWER PLAN - PHASE 1			
Grace Community Church of Wesley Chapel Phase 1			
DRAWN DRM	PREPARED FOR: Grace Community of Wesley Chapel, Inc.		
DESIGN HDM	Elevations based on North American Vertical Datum 1988 (NAVD 88) Conversion from NAVD 88 to NGVD 29 = +0.82 Feet		
DATE 11/06/2015	JOB NO. 2015-0001	FILE WSP	SHEET C-11 OF 12

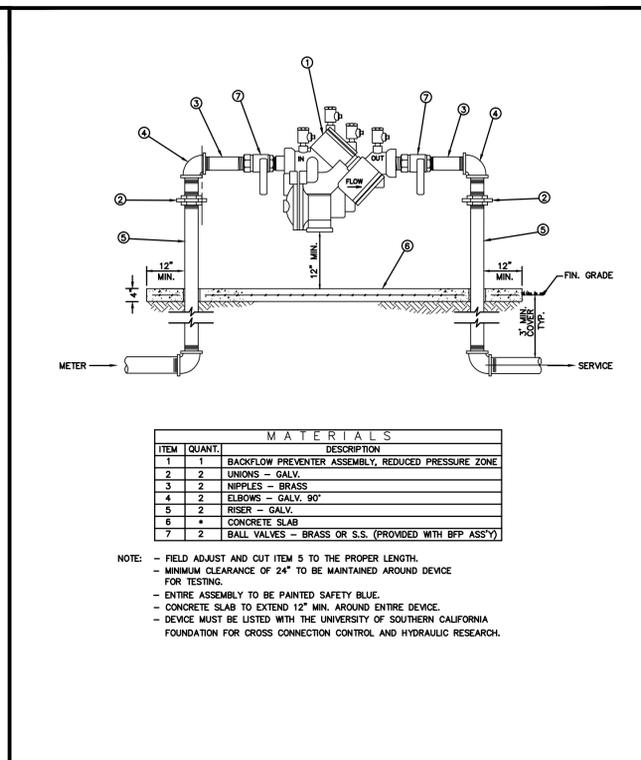
CALL 48 HOURS BEFORE YOU DIG
 IT'S THE LAW! DIAL 811
 Know what's below. Call before you dig.
 SUNSHINE STATE ONE CALL OF FLORIDA, INC.



ITEM	QUANT.	DESCRIPTION
1	1	3", 4", 6", 8" DOUBLE CHECK VALVE/BFP ASSEMBLY WITH DETECTOR ASSEMBLY
2	2	3", 4", 6", 8" BEND, 90° FLANGE x FLANGE
3	2	3", 4", 6", 8" SPOOL PIECE, FLG. x FE. D.I.P.
4	2	3", 4", 6", 8" BEND, 90° M.J. x M.J.
5	4	3", 4", 6", 8" GLAND, RETAINER M.J. (MEGALUG)
6	2	3", 4", 6", 8" VALVE, GATE FLG. x FLG. RESILIENT WEDGE O.S. & Y.
7	2	SUPPORT (AS NEEDED)
8	1	CONCRETE SLAB (6" THICK - 42" WIDE MIN.)

NOTE:
 - NO THE RODS OR EYE BOLT RETAINERS PERMITTED ABOVE GROUND.
 - B.F.P. ASSEMBLY TO BE INSTALLED LEVEL & PLUMB.
 - MINIMUM CLEARANCE OF 36" TO BE MAINTAINED AROUND ENTIRE DEVICE FOR TESTING.
 - ENTIRE ASSEMBLY TO BE PAINTED SAFETY BLUE.
 - DETECTOR BY-PASS ASSEMBLY TO BE FACTORY INSTALLED AND CERTIFIED.
 - ALL MECHANICAL JOINTS SHALL BE RESTRAINED WITH MEGALUGS OR APPROVED EQUAL.
 - BELL JOINT RESTRAINERS SHALL BE PROVIDED ON ALL UNDERGROUND PIPING AS SPECIFIED IN JOINT RESTRAINT TABLE DETAIL.
 - ALL ABOVE GROUND PIPING SHALL BE FLANGED DUCTILE IRON PIPE (NO GALVANIZED OR PVC)
 - ITEM 3 SHALL BE FIELD CUT TO PROPER LENGTH TO ACHIEVE DESIGNATED GROUND CLEARANCE
 - IF SO SPECIFIED, ENTIRE ASSEMBLY TO BE ENCLOSED IN 6' CHAIN LINK FENCE.
 - BFP DEVICE MUST BE LISTED WITH THE UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS CONNECTION CONTROL AND HYDRAULIC RESEARCH.

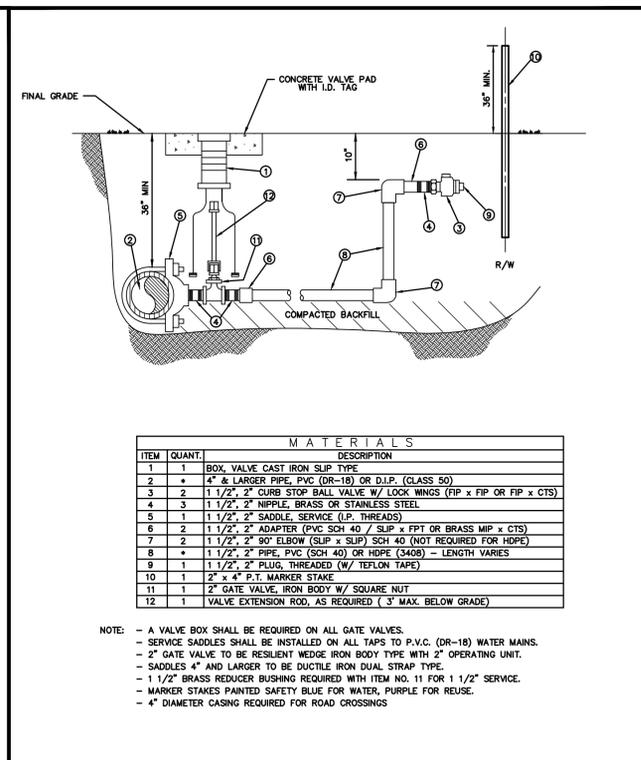
CREATED 02/24/03 DOUBLED DETECTOR CHECK VALVE ASSEMBLY/BACKFLOW PREVENTER (SINGLE SERVICE: 3", 4", 6", 8", 10") PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL. PASCO COUNTY UTILITIES DETAIL 9



ITEM	QUANT.	DESCRIPTION
1	1	BACKFLOW PREVENTER ASSEMBLY, REDUCED PRESSURE ZONE
2	2	UNIONS - GALV.
3	2	NIPPLES - BRASS
4	2	ELBOWS - GALV. 90°
5	2	RISER - GALV.
6	*	CONCRETE SLAB
7	2	BALL VALVES - BRASS OR S.S. (PROVIDED WITH BFP ASS'Y)

NOTE:
 - FIELD ADJUST AND CUT ITEM 5 TO THE PROPER LENGTH.
 - MINIMUM CLEARANCE OF 24" TO BE MAINTAINED AROUND DEVICE FOR TESTING.
 - ENTIRE ASSEMBLY TO BE PAINTED SAFETY BLUE.
 - CONCRETE SLAB TO EXTEND 12" MIN. AROUND ENTIRE DEVICE.
 - DEVICE MUST BE LISTED WITH THE UNIVERSITY OF SOUTHERN CALIFORNIA FOUNDATION FOR CROSS CONNECTION CONTROL AND HYDRAULIC RESEARCH.

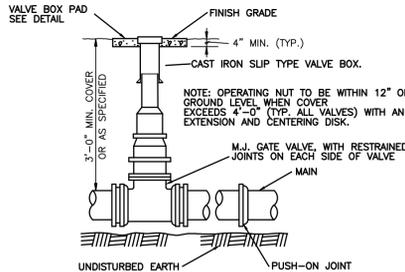
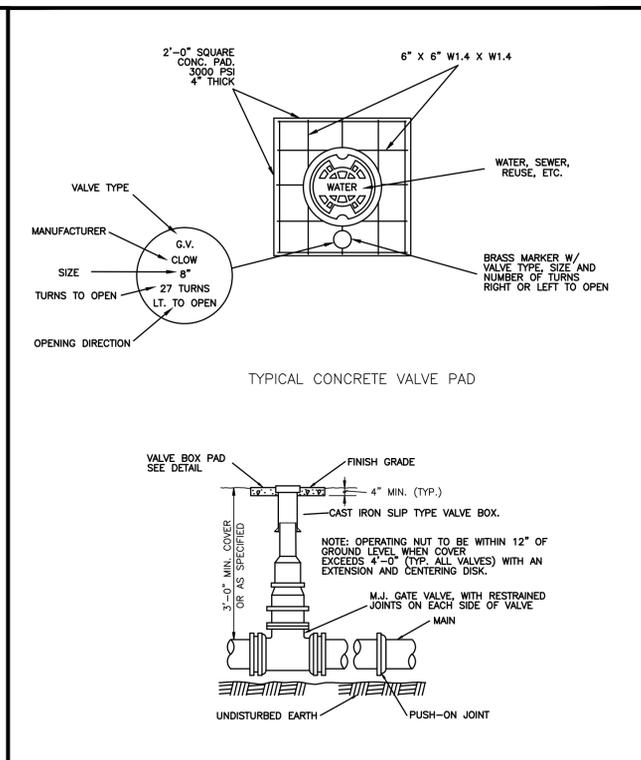
CREATED 02/24/03 REDUCED PRESSURE BACKFLOW PREVENTER (SINGLE SERVICE: 3/4", 1", 1-1/2", 2") PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL. PASCO COUNTY UTILITIES DETAIL 11



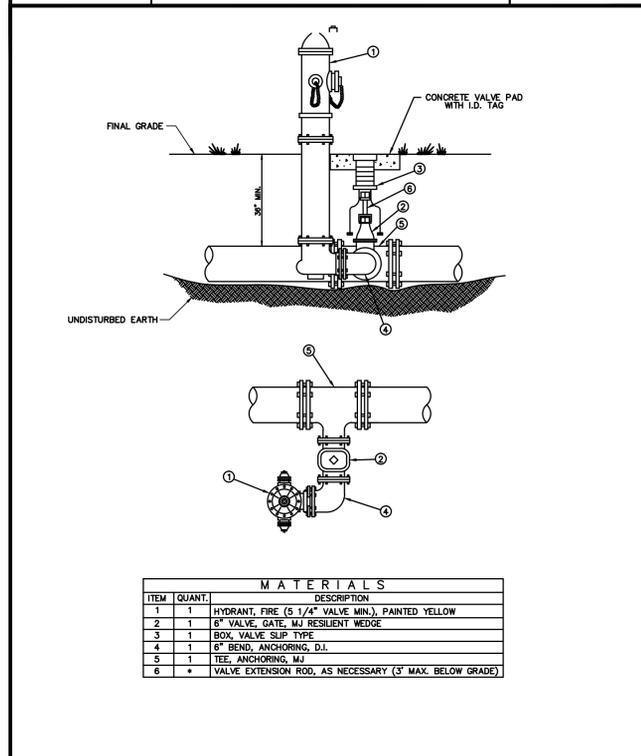
ITEM	QUANT.	DESCRIPTION
1	1	BOX VALVE CAST IRON SLIP TYPE
2	*	4" & LARGER PIPE, PVC (DR-18) OR D.I.P. (CLASS 50)
3	2	1 1/2", 2" CURB STOP BALL VALVE W/ LOCK WINGS (FIP x FIP OR FIP x CTS)
4	3	1 1/2", 2" NIPPLE BRASS OR STAINLESS STEEL
5	1	1 1/2", 2" SADDLE SERVICE (I.P. THREADS)
6	2	1 1/2", 2" ADAPTER (PVC SCH 40 / SLIP x FPT OR BRASS MIP x CTS)
7	2	1 1/2", 2" 90° ELBOW (SLIP x SLIP) SCH 40 (NOT REQUIRED FOR HDPE)
8	*	1 1/2", 2" PIPE, PVC (SCH 40) OR HDPE (3408) - LENGTH VARIES
9	1	1 1/2", 2" PLUG, THREADED (W/ TEFLOON TAPE)
10	1	2" x 4" P.T. MARKER STAKE
11	1	2" GATE VALVE, IRON BODY W/ SQUARE NUT
12	1	VALVE EXTENSION ROD, AS REQUIRED (3" MAX. BELOW GRADE)

NOTE:
 - A VALVE BOX SHALL BE REQUIRED ON ALL GATE VALVES.
 - SERVICE SADDLES SHALL BE INSTALLED ON ALL TAPS TO P.V.C. (DR-18) WATER MAINS.
 - 2" GATE VALVE TO BE RESILIENT IRON BODY TYPE WITH 2" OPERATING UNIT.
 - SADDLES 4" AND LARGER TO BE DUCTILE IRON DUAL STRAP TYPE.
 - 1 1/2" BRASS REDUCER BUSHING REQUIRED WITH ITEM NO. 11 FOR 1 1/2" SERVICE.
 - MARKER STAKES PAINTED SAFETY BLUE FOR WATER, PURPLE FOR REUSE.
 - 4" DIAMETER CASING REQUIRED FOR ROAD CROSSINGS

CREATED 02/24/03 WATER AND REUSE LATERAL SERVICE 1 1/2" OR 2" SERVICE LATERAL PVC (SCHEDULE 40) PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL. PASCO COUNTY UTILITIES DETAIL 20



CREATED 02/24/03 VALVE BOX DETAIL SLIP TYPE PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL. PASCO COUNTY UTILITIES DETAIL 27



ITEM	QUANT.	DESCRIPTION
1	1	HYDRANT, FIRE (5 1/4" VALVE MIN.), PAINTED YELLOW
2	1	8" VALVE, GATE, M.J. RESILIENT WEDGE
3	1	BOX VALVE SLIP TYPE
4	1	6" BEND, ANCHORING, D.I.
5	1	TEE, ANCHORING, M.J.
6	*	VALVE EXTENSION ROD, AS NECESSARY (3" MAX. BELOW GRADE)

CREATED 02/24/03 FIRE HYDRANT PARALLEL TO THE MAIN PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL. PASCO COUNTY UTILITIES DETAIL 22

PIPE RESTRAINT LENGTHS IN FEET COMMON FITTINGS

WATER MAINS - TEST PRESSURE 150 PSI						
PIPE SIZE	FITTING TYPE					
	11-1/4°	22-1/2°	45°	90°	DEAD END	
4"	2'	4'	8'	20'	45'	
6"	3'	6'	12'	28'	63'	
8"	4'	7'	15'	36'	82'	
10"	4'	9'	18'	43'	98'	
12"	5'	10'	21'	50'	116'	
16"	6'	13'	26'	63'	148'	
20"	7'	15'	31'	76'	179'	
24"	9'	17'	36'	87'	208'	
FORCE MAINS - TEST PRESSURE 100 PSI						
PIPE SIZE	FITTING TYPE					
	11-1/4°	22-1/2°	45°	90°	DEAD END	
4"	1'	3'	6'	13'	30'	
6"	2'	4'	8'	19'	42'	
8"	2'	5'	10'	24'	55'	
10"	3'	6'	12'	29'	66'	
12"	3'	7'	14'	34'	77'	
16"	4'	8'	18'	42'	99'	
20"	5'	10'	21'	50'	119'	
24"	6'	11'	24'	58'	139'	

RESTRAINT LENGTHS ARE MEASURED FROM THE CENTER LINE OF THE FITTING ALONG THE PIPE IN BOTH DIRECTIONS (EXCEPT DEAD ENDS).

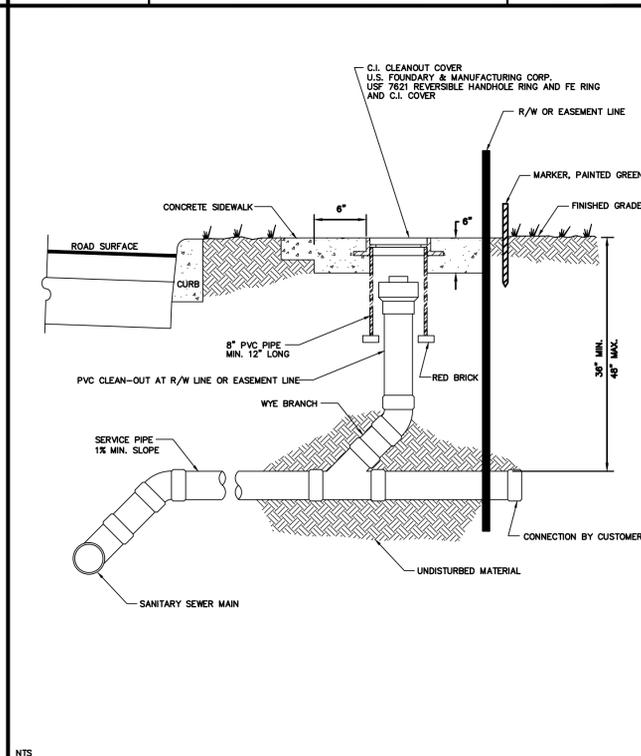
CREATED 02/24/03 RESTRAINED JOINT TABLE COMMON FITTINGS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL. PASCO COUNTY UTILITIES DETAIL 28

PIPE RESTRAINT LENGTHS IN FEET TEES (BRANCH SIDE)

WATER MAINS - TEST PRESSURE 150 PSI										
RUN SIZE	BRANCH SIZE									
	3"	4"	6"	8"	10"	12"	16"	20"	24"	
3"	6'	14'	30'	—	—	—	—	—	—	—
4"	2'	11'	28'	44'	—	—	—	—	—	—
6"	1'	2'	22'	40'	52'	—	—	—	—	—
8"	1'	1'	16'	35'	48'	62'	—	—	—	—
10"	1'	1'	10'	30'	44'	58'	83'	—	—	—
12"	1'	1'	3'	25'	40'	55'	80'	103'	—	—
16"	1'	1'	1'	14'	31'	48'	75'	98'	119'	—
20"	1'	1'	1'	2'	22'	40'	69'	94'	116'	—
24"	1'	1'	1'	1'	11'	31'	63'	89'	111'	—

RESTRAINT LENGTHS ARE MEASURED FROM THE CENTER LINE OF THE TEE ALONG THE BRANCH FOR THE DISTANCE INDICATED. A MINIMUM OF 5 FEET OF RESTRAINED PIPE MUST BE INSTALLED ON BOTH RUNS OF THE TEE. MEGALUG TYPE RESTRAINERS ARE REQUIRED ON ALL JOINTS.

CREATED 02/24/03 RESTRAINED JOINT TABLE TEES (BRANCH SIDE) PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL. PASCO COUNTY UTILITIES DETAIL 29



CREATED 02/24/03 SANITARY SEWER - SINGLE WYE CONNECTION AND TYPICAL CLEAN-OUT PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL. PASCO COUNTY UTILITIES DETAIL 42

			WATER & SEWER DETAILS Grace Community Church of Wesley Chapel Phase I		
MPH Civil Consultants, Inc. Civil Engineering Services P.O. Box 1121 Odessa, FL 33556 813.731.0052 duane@mphcivil.com www.mphcivil.com FLORIDA CA NO. 30727			DRAWN: DRM PREPARED FOR: Grace Community of Wesley Chapel, Inc. DESIGN: HDM Elevation based on North American Vertical Datum 1988 (NAVD 88) Conversion from NAVD 88 to NGVD 29 = +0.82 Feet DATE: 11/06/2015 JOB NO.: 2015-0001 FILE: WD SHEET: C-12 OF 12		
REVISIONS <small>* REUSE OF DOCUMENT: THE IDEAS & DESIGNS INCORPORATED INTO THIS DRAWING ARE PROVIDED AS A PROFESSIONAL SERVICE TO THIS CLIENT AND ARE THE PROPERTY OF MPH CIVIL CONSULTANTS, INC. THESE IDEAS & DESIGN ARE NOT TO BE USED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN CONSENT OF MPH CIVIL CONSULTANTS, INC. *</small>			DATE: H. Duane Milford, P.E. No. 42657 FLORIDA PROFESSIONAL ENGINEER		

TREES TO BE REMOVED

LIVE OAKS			OTHER TREES		
SIZE (INCHES)	NO.	TOTAL (INCHES)	SIZE (INCHES)	NO.	TOTAL (INCHES)
12	1	12	10	1	10
14	1	14	12	1	12
18	1	18	13	0	0
			14	0	0
			15	0	0
			16	1	16
			17	0	0
			18	1	18
TOTAL OAKS		44	TOTAL OTHER		56
			OTHERS /3		19
TOTAL INCHES TO BE REPLACED			63		

TREES TO BE PLANTED

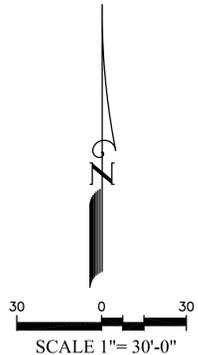
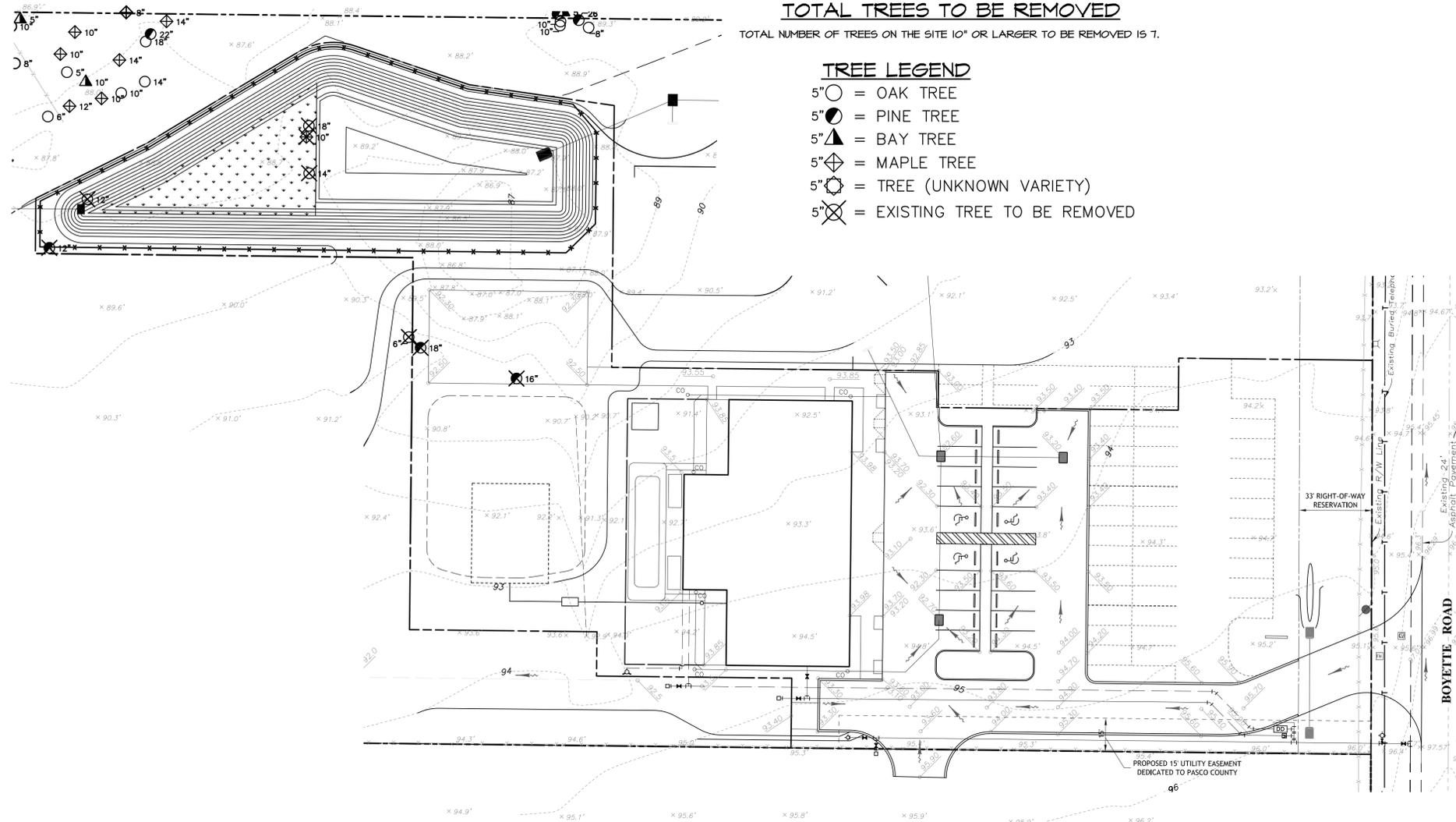
LIVE OAKS			OTHER TREES			
SIZE (INCHES)	NO.	TOTAL (INCHES)	SIZE (INCHES)	TYPE	NO.	TOTAL (INCHES)
2	0	0	2	UA	5	10
			2	TD	4	8
			2	MG	8	16
			2	AR	7	14
			2	BN	2	4
			2	LA	6	12
TOTAL OAK:		0	TOTAL OTHER:		64	
TOTAL TREES INCHES PROPOSED = 64"						

TOTAL TREES TO BE REMOVED

TOTAL NUMBER OF TREES ON THE SITE 10" OR LARGER TO BE REMOVED IS 7.

TREE LEGEND

- 5" ○ = OAK TREE
- 5" ● = PINE TREE
- 5" ▲ = BAY TREE
- 5" ◊ = MAPLE TREE
- 5" ⊗ = TREE (UNKNOWN VARIETY)
- 5" ⊗ = EXISTING TREE TO BE REMOVED



				ANDERSON LESNIAK LIMITED, INC. landscape architects land planners	
				4921 S. WESTSHORE BOULEVARD TAMPA, FLORIDA 33611 (813) 831-9595 FAX 831-5485 anderson.lesniak@tampabay.fl.rr.com www.andersonlesniak.net	
		L. ALYSON UTTER PLA		NO. LA 0001163	
		REVISIONS			
DATE	DESCRIPTION	BY			
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TREE PRESERVATION PLAN					
Grace Community Church of Wesley Chapel Phase 1					
DRAWN LAU	PREPARED FOR: Grace Community of Wesley Chapel, Inc.				
DESIGN LAU	Elevations based on North American Vertical Datum 1988 (NAVD 88) Conversion from NAVD 88 to NGVD 29 = _____ Feet.				
DATE 11/04/2015	JOB NO. 2015-0001	FILE EXH-02	SHEET 1	OF 3	

PLANT MATERIAL LIST

SYMBOL	QUANTITY	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS	NATIVE	DROUGHT TOLERANT
TREES 7 SPECIES MINIMUM WITH 35 REQUIRED TREES PALMS MAY BE SUBSTITUTED, 3 PALMS FOR 1 SHADE TREE, MAXIMUM 30%, CLUSTERS OF 3 - 8' ON CENTER						
SP	4	SABAL PALMETTO	CABBAGE PALM WITH BOOTS & REGENERATED FRONDS	15' CLEAR TRUNK, HEIGHT	YES	YES
UA	5	ULMUS ALATA	WINGED ELM	10' HT X 5' SPD, 2" GAL, 30 GALLON	YES	YES
TD	4	TAXODIUM DISTICHUM	BALD CYPRESS	10' HT X 5' SPD, 2" GAL, 30 GALLON	YES	YES
MS	8	MAGNOLIA GRANDIFLORA	SOUTHERN MAGNOLIA	10' HT X 5' SPD, 2" GAL, 30 GALLON	YES	YES
AR	7	ACER RUBRUM	RED MAPLE	10' HT X 5' SPD, 2" GAL, 30 GALLON	YES	YES
BN	2	BETULA NIGRA 'BHM'	RIVER BIRCH	10' HT X 5' SPD, MULTI-STEM, 30 GALLON	YES	YES
LA	6	LAGERSTROEMIA INDICA	LAVENDER GRAPE MYRTLE	10' HT X 5' SPD, MULTI-STEM, 30 GALLON	YES	YES
SHRUBS NO ONE SPECIES OF SHRUBS OR GROUND COVER SHALL BE MORE THAN 25% COVERAGE OF LANDSCAPE AREA MAXIMUM 30% OF REQUIRED LANDSCAPE AREA MAY BE GRASSED						
MF	142	MYRICANTHES FRAGRANS	SIMPSON'S STOPPER	13% 18" HT X 18" SPD, 3 GALLON 36" OC	YES	YES
IV	58	ILEX VOMITORIA (DWARF)	DWARF SCHILLINGS HOLLY	6% 15" HT X 15" SPD, 3 GALLON 30" OC	YES	YES
SA	64	LIGUSTRUM 'JACK FROST'	JACK FROST LIGUSTRUM	6% 18" HT X 18" SPD, 3 GALLON 30" OC	NO	YES
GROUND COVER GROUND COVER OTHER THAN TURF, SHALL REACH A MAXIMUM MATURE HEIGHT OF 24", SPACED TO PRESENT FINISHED APPEARANCE AND OBTAIN COMPLETE COVERAGE IN ONE YEAR						
DT	190	DIANELLA TASMANICA 'VAREGATA'	BLUEBERRY FLAX LILY	18% 10" HT X 10" SPD, 1 GALLON 24" OC	NO	YES
LD	230	LANTANA DEPRESSA	PINELAND LANTANA	22% 10" HT X 10" SPD, 1 GALLON 24" OC	YES	YES
LM	160	LIRIOPE 'BIG BLUE'	BIG BLUE LIRIOPE	15% 10" HT X 10" SPD, 1 GALLON 24" OC	NO	YES
JP	210	JUNIPERUS CHINENSIS 'PARSONII'	PARSONS JUNIPER	20% 6" HT X 12" SPD, 1 GALLON 24" OC	NO	YES

LANDSCAPE REQUIREMENTS

- EAST PERIMETER - TYPE D BUFFER, TWENTY (20) FEET IN WIDTH BETWEEN THE R-O-W AND PROJECT. BERM SHALL BE 18" IN HEIGHT, SHRUBS SHALL BE A MINIMUM RATE OF 5 SHRUBS PER TREE OR PALM AND MAINTAINED TO FORM A CONTINUOUS, UNBROKEN SOLID VISUAL SCREEN WITHIN ONE YEAR. LANDSCAPING SHALL BE EIGHTY (80) PERCENT OPAQUE AND A MINIMUM OF EIGHTEEN (18) INCHES HIGH AT TIME OF INSTALLATION AND SHALL BE MAINTAINED AT LEAST THAT HEIGHT. HEIGHT SHALL BE MEASURED AT FINISHED GRADE OF VIA. UNDERSTORY TREES SHALL BE PLANTED BECAUSE OF ADJACENT OVERHEAD POWER LINES, AN AVERAGE OF THIRTY (30) FEET ON CENTER. 182 LF/30 = 6 TREES
- SOUTH PERIMETER - TYPE B BUFFER, FIFTEEN (15) FEET IN WIDTH BETWEEN THE R-O-W AND PROJECT. TYPE B BUFFER 15' WIDE BUFFER WITH SHADE TREES A MAXIMUM OF 60" OC. PALMS MAY BE SUBSTITUTED FOR UP TO 30% OF THE REQUIRED TREES AT A RATE OF 3 PALMS PER 1 TREE. CLUSTERED 8' OC AND MINIMUM 10' CLEAR TRUNK HEIGHT. SCREENING A MINIMUM OF SIX FEET IN HEIGHT AT THE TIME OF INSTALLATION. SCREENING SHALL INCLUDE ONE OR MORE OF THE FOLLOWING: OPAQUE FENCE, WALL, BERM, HEDGE. SHRUBS USED TO PROVIDE A VISUAL SCREEN SHALL BE PLACED A MAXIMUM OF FIVE FEET ON CENTER. 234 LF/60 = 4 TREES
- NORTH PERIMETER - ADJACENT TO WETLAND - NO BUFFER NEEDED - SEE IMAGES OF WETLAND
- WEST PERIMETER - NOT APPLICABLE
- INTERIOR REQUIREMENTS - TEN PERCENT OF THE VEHICLE USE AREA SHALL BE DEDICATED TO LANDSCAPING WITH ONE TREE PER 200 SQUARE FEET OF VIA. 16,401 SF X .1 = 1640/200 = 8 TREES
- BUILDING PERIMETER SHALL BE LANDSCAPED WITH AN AREA OF 10% OF THE GROUND FLOOR LEVEL AREA AND MUST BE 5' WIDE AND SHALL INCLUDE SHADE TREES, PALMS, SHRUBS AND GROUND COVER. 50% OF THE BUILDING PERIMETER IS TO BE LANDSCAPED AS ABOVE. 1,760 SF (BUILDING SF) X .1 = 176 SF PROVIDED 110 X 145 X 245 X 470 = 1,070 SF + 2 TREES
- POND REQUIREMENTS = 560 LF / 50 = 11 TREES
- TOTAL TREE REQUIREMENTS = 6 + 4 + 0 + 0 + 8 + 2 + 11 = 31 TREES, 32 TREES PROVIDED - 8% NATIVE
- A MAXIMUM OF FIFTY (50) PERCENT OF THE PLANT MATERIALS USED, OTHER THAN TREES, MAY BE NON-DROUGHT TOLERANT. THE USE OF TURFGRASS VARIETIES WITH EXCELLENT DROUGHT TOLERANCE MAY EXCEED THE FIFTY PERCENT LIMITATION.
- NATIVE SHRUB AND GROUND COVER REQUIREMENT IS MINIMUM 30% - TOTAL SHRUBS AND GROUND COVER PROVIDED IS 1,054 OF WHICH 430 ARE NATIVE, THEREFORE 40% OF THE PROVIDED SHRUBS AND GROUND COVER ARE NATIVE.
- MAXIMUM 30% OF REQUIRED LANDSCAPE AREAS MAY BE SODDED, 10% OF ALL REQUIRED LANDSCAPE AREAS DO NOT HAVE SOD.
- GROUND COVER PLANTS SHALL BE SPACED TO PRESENT A FINISHED APPEARANCE AND OBTAIN A REASONABLY COMPLETE COVERAGE WITHIN ONE (1) YEAR. NON-LIVING GROUND COVER, SUCH AS MULCH, GRAVEL, ROCKS, ETC., SHALL BE USED IN CONJUNCTION WITH LIVING PLANTS TO SUPPRESS FUGITIVE DUST.
- SEVEN EXISTING TREES ARE TO BE REMOVED.

PASCO COUNTY LANDSCAPING STANDARD NOTES (PASCO LDC 905.2)

- MAINTENANCE RESPONSIBILITY. THE COUNTY IS NOT RESPONSIBLE FOR MAINTENANCE OF ANY LANDSCAPING UNLESS APPROVED THROUGH A COUNTY MAINTENANCE AGREEMENT. (LDC 905.2-C.1.A)
- CLEAR-SIGHT TRIANGLE. WHERE A DRIVEWAY/ACCESSWAY INTERSECTS A ROAD RIGHT-OF-WAY OR WHERE TWO (2) ROAD RIGHTS-OF-WAY INTERSECT, VEGETATION, STRUCTURES, AND NON-VEGETATIVE VISUAL SCREENS SHALL NOT BE LOCATED SO AS TO INTERFERE WITH THE CLEAR-SIGHT TRIANGLE AS DEFINED IN THIS CODE OR THE FLORIDA DEPARTMENT OF TRANSPORTATION, MANUAL OF UNIFORM MINIMUM STANDARDS, MOST RECENT EDITION (GREEN BOOK), WHICHEVER IS MORE RESTRICTIVE. (LDC 905.2-C.1.B)
- SUSTAINABLE PRACTICES. LANDSCAPING SHALL BE INSTALLED SO THAT LANDSCAPING MATERIALS MEET THE CONCEPT OF RIGHT MATERIAL, RIGHT PLACE, INSTALLED TREES AND PLANTS SHALL BE GROUPED INTO ZONES ACCORDING TO WATER, SOIL, CLIMATE, AND LIGHT REQUIREMENTS. PLANT GROUPINGS BASED ON WATER REQUIREMENTS ARE DROUGHT TOLERANT, NATURAL, AND OASIS. (LDC 905.2-C.1.C)
- DIVERSITY. A MAXIMUM OF 50 PERCENT OF THE PLANT MATERIALS USED, OTHER THAN TREES, MAY BE NON-DROUGHT TOLERANT. A MINIMUM OF 30 PERCENT OF THE PLANT MATERIALS, OTHER THAN TREES AND TURFGRASS, USED TO FULFILL THE REQUIREMENTS OF THIS SUBSECTION SHALL BE NATIVE FLORIDIAN SPECIES, SUITABLE FOR GROWTH IN THE COUNTY. (LDC 905.2-C.1.D)
- DIVERSITY. NO ONE PLANT SPECIES OF SHRUBS OR GROUND COVER PLANTS, EXCLUDING TURFGRASS, SHALL CONSTITUTE MORE THAN 25 PERCENT COVERAGE OF THE OVERALL LANDSCAPE AREA. (LDC 905.2-C.1.D.5)
- QUALITY. ALL PLANT MATERIALS SHALL BE FLORIDA NO. 1 GRADE PER "GRADES AND STANDARDS FOR NURSERY PLANTS," FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES (FDACS), WHICH IS INCORPORATED HEREIN BY REFERENCE. (LDC 905.2-C.2.A)
- AVOID EASEMENTS. TREES SHALL NOT BE PLANTED WITHIN ANY EASEMENT SO AS TO INTERFERE WITH THE USE OF THAT EASEMENT, NOR UNDER ANY PRESENT OR PLANNED OVERHEAD UTILITY, NOR IN ANY RIGHTS-OF-WAY WITHOUT COUNTY APPROVAL THROUGH THE ASSOCIATED REVIEW PROCESS. (LDC 905.2-C.3.C)
- MULCH SHALL BE USED IN CONJUNCTION WITH LIVING PLANT MATERIALS SO AS TO COVER EXPOSED SOIL. MULCH SHALL BE INSTALLED TO A MINIMUM DEPTH OF THREE (3) INCHES. THE MULCH SHOULD NOT BE PLACED DIRECTLY AGAINST THE PLANT STEM OR TREE TRUNK. MULCH SHALL NOT BE REQUIRED FOR ANNUAL BEDS. STONE OR GRAVEL MAY BE USED TO COVER A MAXIMUM OF 20 PERCENT OF THE LANDSCAPED AREA. (LDC 905.2-C.3.D)
- QUALITY PRACTICES. ALL LANDSCAPING SHALL BE INSTALLED IN ACCORDANCE WITH STANDARDS AND PRACTICES OF THE FLORIDA NURSERY, GROWERS, AND LANDSCAPE ASSOCIATION AND THE FLORIDA CHAPTER OF THE INTERNATIONAL SOCIETY OF ARBORICULTURE. (LDC 905.2-C.3.E)
- ALL PORTIONS OF A LOT UPON WHICH DEVELOPMENT HAS COMMENCED, BUT NOT CONTINUED FOR A PERIOD OF 30 DAYS, SHALL BE PLANTED WITH A GRASS SPECIES OR GROUND COVER TO PREVENT EROSION AND ENCOURAGE SOIL STABILIZATION. ADEQUATE COVERAGE, SO AS TO SUPPRESS FUGITIVE DUST, SHALL BE ACHIEVED WITHIN 45 DAYS. (LDC 905.2-C.3.F)
- ALL REQUIRED LANDSCAPING SHALL BE MAINTAINED IN A HEALTHY CONDITION IN PERPETUITY IN ACCORDANCE WITH THIS CODE. (LDC 905.2-E.2)
- ONGOING MAINTENANCE TO PREVENT THE ESTABLISHMENT OF PROHIBITED EXOTIC SPECIES IS REQUIRED. (LDC 905.2-E.4)
- THE OWNER SHALL BE RESPONSIBLE FOR MAINTAINING LANDSCAPING.

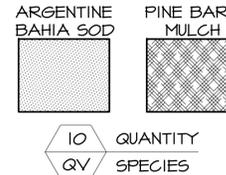
PROPOSED TREES

WINGED ELM	5
BALD CYPRESS	4
MAGNOLIA	8
RED MAPLE	7
RIVER BIRCH	2
GRAPE MYRTLE	6
TOTAL TREES	32

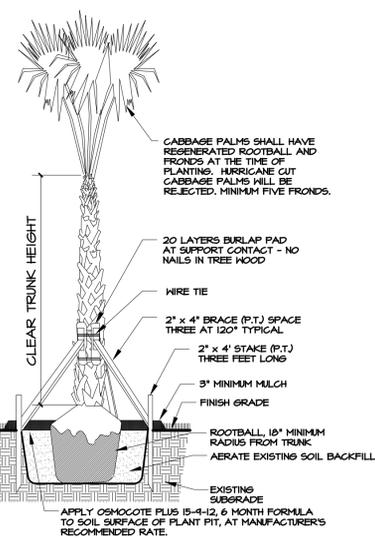
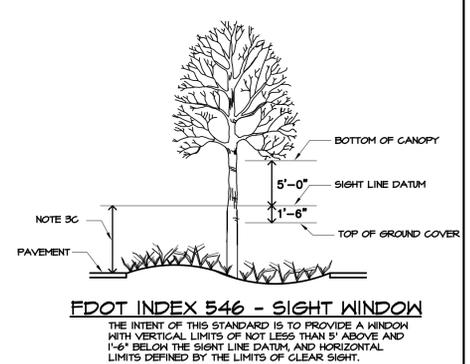
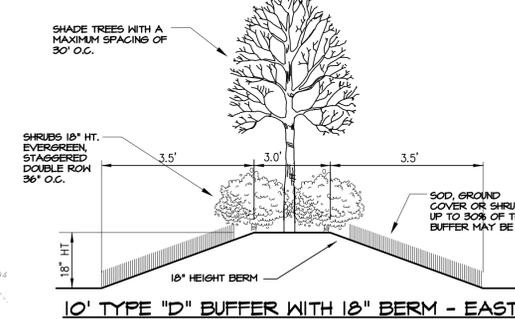
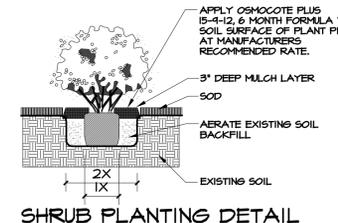
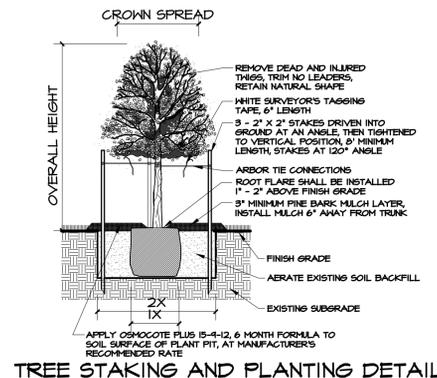
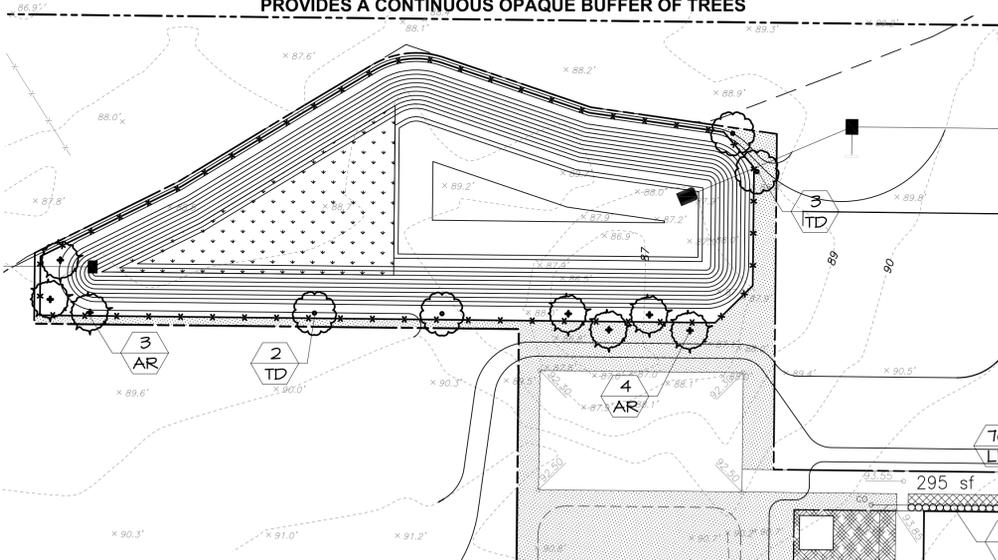
IRRIGATION NOTE

ALL REQUIRED LANDSCAPE SHALL BE IRRIGATED AS PER SECTION 905.4 OF THE PASCO COUNTY LANDSCAPE CODE.

SYMBOL LEGEND



6' TYPE B BUFFER WITHOUT FENCE, TREES OR SHRUBS EXISTING WETLAND ALONG THE ENTIRE NORTH BUFFER PROVIDES A CONTINUOUS OPAQUE BUFFER OF TREES



7.5' TYPE B BUFFER WITH 6' OPAQUE FENCE

MODIFIED TYPE 'B' BUFFER 7.5' WIDE - SOUTH

<p>ANDERSON LESNIAK LIMITED, INC. landscape architects land planners 4921 S. WESTSHORE BOULEVARD TAMPA, FLORIDA 33611 (813) 831-9595 FAX 831-5485 anderson.lesniak@tampabay.fl.rr.com www.andersonlesniak.net</p>			<p>LANDSCAPE PLAN Grace Community Church of Wesley Chapel Phase I</p>		
DATE	DESCRIPTION	BY	DRAWN	PREPARED FOR	DESIGN
NO. LA 0001163	REVISIONS	L. ALYSON UTTER PLA	LAU	Grace Community of Wesley Chapel, Inc.	LAU
<p>"REUSE OF DOCUMENT: THE IDEAS & DESIGNS INCORPORATED INTO THIS DRAWING ARE PROVIDED AS A PROFESSIONAL SERVICE TO THIS CLIENT AND ARE THE PROPERTY OF ANDERSON LESNIAK LIMITED, INC. THESE IDEAS & DESIGN ARE NOT TO BE USED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN CONSENT OF ANDERSON LESNIAK LTD., INC."</p>			DATE	JOB NO.	FILE
			11/04/2015	2015-0001	EXH-02
					SHEET 2 OF 3

