

**DATUM CONVERSION**  
 ELEVATIONS SHOWN HERE ARE REPORTED USING THE N.A.V.D. 88 DATUM. TO CONVERT TO N.G.V.D. 29 ADD 0.82' TO THE ELEVATION.

**SITE CRITERIA CHECKLIST**

PROJECT DATA	
Total Site Area	± 3.63 AC (158,358 SF)
Total On-Site Project Area	± 2.09 AC (90,910 SF)
Total Off-Site Project Area	± 0.22 AC (9,417 SF)
FAR Allowable	3.0
FAR Proposed	(6,119/158,358) = 0.038
Allowable Building Size	475,074 SF
Existing Total Building Size	0 SF
Proposed Total Building Size	6,119 SF
Parking Spaces Required	24 Parking Spaces Required: 1 Space/250 SF
Parking Spaces Provided	51 Parking Spaces Provided (including Handicap)
Standard Size Of Parking Space	9' X 20' Standard
Total Handicap Parking Required	2 Spaces
Total Handicap Parking Provided	3 Spaces
Predevelopment Impervious Area	± 0.11 AC (4,858 SF)
Total Proposed Impervious Area	± 1.57 AC (68,220 SF)
Impervious Surface Ratio Allowable	70%
Impervious Surface Ratio Proposed	43.1%
LAND INFORMATION	
Land Lot	Vacant
Parcel Number	07-26-20-0000-00100-0030
North Setback (Rear)	0'
South Setback (Front) S.R. 54	25'
East Setback (Side)	0'
West Setback (Side)	0'
ZONING INFORMATION	
Existing Zoning	C2 (GENERAL COMMERCIAL)
Proposed Use	GAS STATION WITH CONVENIENCE STORE
Future Land Use	MU (MIXED USES)
Adjacent Zoning	C2
Building Height Allowable	60'
Building Height Proposed	25'
LANDSCAPE INFORMATION	
North Landscape Strip (within project limits)	15' (TYPE B BUFFER)
South Landscape Strip (S.R. 54 ROW)	20'
East Landscape Strip	15' (TYPE B BUFFER)
West Landscape Strip (within project limits)	15' (TYPE A BUFFER) (85' FROM SOUTH)

Activity	Name	Date	No.
Designed by:	GL	12/15	
Drawn by:	GL	12/15	
Checked by:	GL	12/15	
Approved by:	GL	12/15	
	FL Professional License Engineer 72515		

**PROPOSED LEGEND**

- PROPERTY LINE
  - - - - - BUFFER LINE
  - - - - - FLOOD ZONE LINE
  - - - - - WETLAND LINE
  - - - - - WETLAND BUFFER LINE
  - - - - - LIMITS OF CONSTRUCTION
- (H) — HANDICAP SIGN  
 (S) — STOP SIGN (R1-1)  
 (L) — LEFT TURN ONLY (FTP-1)  
 (D) — DO NOT ENTER SIGN (R51)  
 (R) — RIGHT TURN ONLY (FTP-52-06)
- C-2/MU ZONING DISTRICT/LAND USE CLASSIFICATION  
 TBM — TEMPORARY BENCHMARK  
 (5) — PATRON PARKING SPACES
- LIMITS OF NEW ASPHALT PAVEMENT WITHIN SHARED ACCESS WITH WALGREENS TO BE REPLACED WITH HEAVY DUTY ASPHALT PAVEMENT AS PER ON SHEET C-9B
- PROPOSED STANDARD ASPHALT PAVEMENT. SEE SHEETS C-9B FOR DETAILS.  
 ■ PROPOSED BUILDING AND GAS CANOPY.  
 ■ PROPOSED SIDEWALK CONC. PAVEMENT.  
 ■ PROPOSED CONCRETE PAVEMENT WITHIN THE SITE. SEE SHEET C9B FOR DETAILS.  
 ■ PERIMETER LANDSCAPE AREA  
 ■ SURROUNDING BUILDING  
 ■ WETLAND AREA  
 ■ IMPACTED WETLAND AREA  
 ■ PROPOSED ACCESS EASEMENT  
 ■ AREA TO BE DEDICATED TO PASCO COUNTY AS PART OF S.R. 54 PRESERVATION CORRIDOR  
 ■ SIGHT VIEW TRIANGLE AREA
- PROPOSED STORM INLET  
 ● PROPOSED STORM MANHOLE

**GENERAL NOTES**

- CONTRACTOR TO SCREEN DUMPSTER AND COMPACTOR WITH MATERIALS COMPATIBLE WITH FRONT OF BUILDING
- ALL STRIPING AND DIRECTIONAL SIGNAGE SHALL CONFORM TO THE LATEST M.U.T.C.D. ALL HANDICAPPED PARKING SPACES SHALL BE SIGNED AND MARKED IN ACCORDANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD INDEX NO. 17346. ALL PARKING SHALL BE STRIPED IN WHITE.
- NO BURNING ON SITE IS PLANNED.
- APPROXIMATELY 2,800 CY OF FILL IS REQUIRED.
- THE SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED PRIOR TO CONSTRUCTION, MAINTAINED THROUGHOUT CONSTRUCTION AND UNTIL THE SITE IS PERMANENTLY STABILIZED.
- IF DURING CONSTRUCTION ACTIVITIES ANY EVIDENCE OF THE PRESENCE OF STATE AND FEDERALLY PROTECTED PLANT AND/OR ANIMAL SPECIES IS DISCOVERED, WORK SHALL COME TO AN IMMEDIATE STOP AND PASCO COUNTY SHALL BE NOTIFIED WITHIN TWO WORKING DAYS OF THE PLANT AND/OR ANIMAL SPECIES FOUND ON THE SITE.
- PRIOR TO CONSTRUCTION, A BUILDING PERMIT SHALL BE OBTAINED FOR ALL STRUCTURES THAT HAVE A FOOTER, REGARDLESS OF SIZE, THROUGH PASCO COUNTY CENTRAL PERMITTING. (IE. INCLUDING BUT NOT INCLUSIVE BUILDING, ACCESSORIES, AND RETAINING WALLS)
- ALL DEMO. DEBRIS SHALL BE REMOVED FROM SITE AND LEGALLY DISPOSED.
- MINIMUM HEIGHT FOR ALL TYPES OF CANOPY SHALL BE 13'-6".
- IF DURING CONSTRUCTION ACTIVITIES ANY EVIDENCE OF THE PRESENCE OF STATE AND FEDERALLY PROTECTED PLANT AND/OR ANIMAL SPECIES IS DISCOVERED, WORK SHALL COME TO AN IMMEDIATE STOP AND PASCO COUNTY SHALL BE NOTIFIED WITHIN TWO WORKING DAYS OF THE PLANT AND/OR ANIMAL SPECIES FOUND ON THE SITE.
- THIS SITE IS IN EVACUATION LEVEL E
- NO LIGHT SPILLAGE OR GLARE BEYOND THE PROJECT SITE.
- ANY OFF SITE DISTURBANCE SHALL BE RESTORED TO THE PRE OR BETTER CONDITION. (LDC 605.3.D)
- AS APPLICABLE, THE OWNER/DEVELOPER WILL PROVIDE COPIES OF THE REQUIRED PERMITS FROM THE RESPECTIVE GOVERNING AGENCIES, PRIOR TO ISSUANCE OF THE SDP. (LDC 605.3.CC)

DESIGNED FOR: **PEGASUS FINANCIAL, LLC**

PROJECT NAME: **WAWA S.R. 54**  
**28225 STATE ROAD 54, WESLEY CHAPEL, PASCO COUNTY, FLORIDA**

SHEET NAME: **OVERALL SITE PLAN**

NOT VALID FOR CONSTRUCTION WITHOUT APPROVAL BY A REGISTERED ENGINEER

CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE-CALL OF FLORIDA, INC. FOR LOCATION OF ALL UTILITIES TWO COMPLETE BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION.

**811** Know what's below. Call before you dig.  
 www.callsunshine.com

**GIACOMO S. LICARI, P.E.**  
**6214 IMPERIAL KEY**  
**TAMPA, FL 33615**  
 P.E. # 72415

Sheet No. **C-4**

**PARCEL 2**  
(OFFICIAL RECORDS BOOK 6738, PAGE 1817)

**SUBJECT PARCEL**  
(SEE DESCRIPTION  
HEREON)

**T OF PARCEL 2**  
(BOOK 6738, PAGE 1817)  
(INCLUDED)

**LESS & EXCEPT OF PARCEL 1**  
(OFFICIAL RECORDS BOOK 6738, PAGE 1817)  
(NOT INCLUDED)

PARCEL ID: 07-26-20-0000-00100-0100  
ZONING: C2  
FUTURE LAND USE: MU  
EXISTING WALGREENS

**DATUM CONVERSION**  
ELEVATIONS SHOWN HERE ARE REPORTED USING THE N.A.V.D. 88  
DATUM. TO CONVERT TO N.G.V.D. 29 ADD 0.82' TO THE ELEVATION.

**PROPOSED SITE LEGEND**

- 1 DIRECTIONAL ARROWS WITHIN ENTRANCE DRIVE SHALL BE WHITE PAINT PER FDOT INDEX NO 17346.
- 2 PROPOSED HEAVY DUTY CONCRETE DUMPSTER PAD AND DUMPSTER SCREENING ENCLOSURE. SEE ARCH FOR DETAILS AND SHEET C-9C FOR CONCRETE DETAIL.
- 3 2' WIDE WHITE PAINT STOP BAR PER FDOT INDEX NO. 17346
- 4 ONSITE CONCRETE F1 CURB (TYP.) SEE DETAIL NO. 8 ON SHEET C-9A.
- 5 PROPOSED CONCRETE SIDEWALK. SEE DETAIL NO. 2 ON SHEET C-10A.
- 6 PROPOSED DOUBLE YELLOW SOLID LINE 6" THICK (SDYL/6")
- 7 H.C. RAMP CUT PER FDOT INDEX NO. 304 & 17346.
- 8 PROPOSED OUTSIDE TABLE AREA. SEE ARCH. PLANS FOR DETAILS.
- 9 PROPOSED 4'x4' AIR PUMP PAD. SEE DETAIL ON SHEET C-10B
- 10 PROPOSED ELECTRICAL TRANSFORMER ON CON. PAD WITH BOLLARDS. EXACT LOCATION TO BE COORDINATED WITH ARCH. PLANS, THE OWNER REPRESENTATIVE AND ELECTRICAL COMPANY.
- 11 6" THICK PAINTED WHITE SOLID LINE (SSWL / 6") PER FDOT INDEX NO 17346.
- 12 11' HIGH HOTEL MONUMENT SIGN FOR USE OF REAR PARCEL. (DESIGNED BY OTHERS)
- 13 PROPOSED BIKE RACK, SEE DETAIL ON SHEET C-9B.
- 14 PROPOSED E-STOP.
- 15 PROPOSED CONCRETE BOLLARD (TYP.) SEE DETAILS ON SHEET C-9B.
- 16 LIMITS OF EXISTING RETAINING WALL WITHIN S.R. 54 ROW TO REMAIN. EXISTING ABOVE GROUND PART OF THE WALL AND HANDRAIL TO BE REMOVED. CONTRACTOR TO HAVE CAUTION ON ELECTRICAL SERVICE WITHIN THE WALL. SEE DEMOLITION SHEET C-3 AND CROSS SECTION E ON SHEET C-6B FOR MORE DETAILS.
- 17 PROPOSED UNDERGROUND STORAGE TANK AREA. SEE TANK PLANS FOR DETAILS (BY OTHERS).
- 18 PROPOSED STAMPED CONCRETE (TYP.)
- 19 EXISTING METAL GUARD RAIL TO BE REMOVED AFTER WETLAND HAD BEEN FILLED.
- 20 EXISTING RAISED CURB AND TOP OF WALL TO BE TRIMMED. SEE SHEET C-3 AND SECTION B ON SHEET C-6B FOR MORE DETAILS.
- 21 PERIMETER LANDSCAPE AREA. REQUIRED = 6,119 SF BUILDING X 10% = 612 S.F. (PROVIDED = 661 S.F.) SEE SHEET L1 FOR DETAILS.
- 22 WHITE PAINT ACCESSIBLE SYMBOL PAINTED ON PAVEMENT (TYP.). SEE DETAIL NO. 4 ON SHEET C-9 AND DETAIL ON SHEET C-9B.
- 23 PROPOSED 20' x 50' (REQUIRED 12' x 50') LIMITS TRUCK LOADING SPACE.
- 24 PROPOSED CONCRETE FLUME. SEE DETAIL NO. 4 ON SHEET C-10.
- 25 LIMITS OF GAS PUMP CANOPY. SEE ARCH. PLANS FOR DETAILS (BY OTHERS).
- 26 PROPOSED TRENCH DRAIN LIMITS PER FDOT INDEX 206. SEE SHEET C-6 FOR MORE INFO.
- 27 EMERGENCY PUMP SHUT-OFF SWITCH. SEE DETAIL ON SHEET C-9B.
- 28 PROPOSED HANDICAPPED PARKING (TYP.). SEE DETAIL NO. 4 ON SHEET C-9.
- 29 PROPOSED 12' x 50' LOADING/UNLOADING AREA FOR GAS TRUCKS.
- 30 PROPOSED HOSE BIBB (TYP.)
- 31 OVERHANG CANOPY AROUND THE BUILDING.
- 32 PROPOSED CONNECTION TO FUTURE PARCEL TO THE NORTH.
- 33 PROPOSED LOCATION FOR WATER & IRRIGATION METER AND FIRE LINE DOUBLE DETECTOR CHECK VALVE WITH CONCRETE PAD. SEE UTILITY PLAN (SHEET C-8) FOR DETAILS.
- 34 PROPOSED 6' HIGH BACK PLASTIC COATED CHAIN LINK FENCE.
- 35 PROPOSED 20' CHAIN LINK FENCE GATE.
- 36 EXISTING WELL TO BE ABANDONED.
- 37 REMOVE EXISTING CURB AND REPLACE TO MATCH AND MEET EXISTING.
- 38 LIMITS OF PAVEMENT SAW CUT.
- 39 LIMITS OF CONCRETE PAVEMENT WITHIN PROPOSED SITE AND WALGREENS SHARED DRIVEWAY ASPHALT PAVEMENT.
- 40 PROPOSED MODIFIED TYPE B1 CURB. SEE DETAIL NO. 7 ON C-9B.
- 41 PROPOSED 5 FEET WIDE ROCK BED.
- 42 PROPOSED CANOPY COLUMN (TYP.).
- 43 PROPOSED RAISED LANDSCAPE PLANTER (TYP.). SEE LANDSCAPE PLANS FOR DETAILS.
- 44 PROPOSED 6' WIDE CROSSWALK, PER FDOT INDEX NO. 17346.
- 45 PROPOSED INTERCOM CALL STATION. SEE ARCH. PLANS FOR MORE DETAILS.
- 46 PROPOSED GRAVEL DRIVEWAY TO CONNECT WITH THE EXISTING DIRT DRIVEWAY.

PARCEL ID:  
07-26-20-0000-00100-0013  
ZONING: C2, AR  
FUTURE LAND USE: MU

**PROPOSED LEGEND**

- PROPERTY LINE
- BUFFER LINE
- FLOOD ZONE LINE
- WETLAND LINE
- WETLAND BUFFER LINE
- LIMITS OF CONSTRUCTION
- (H) HANDICAP SIGN
- (S) STOP SIGN (R1-1)
- (L) LEFT TURN ONLY (FTP-1)
- (D) DO NOT ENTER SIGN (R51)
- (R) RIGHT TURN ONLY (FTP-S2-06)
- C-2/ MU ZONING DISTRICT/ LAND USE CLASSIFICATION
- TBM TEMPORARY BENCHMARK
- 5 PATRON PARKING SPACES
- LIMITS OF NEW ASPHALT PAVEMENT WITHIN SHARED ACCESS WITH WALGREENS TO BE REPLACED WITH HEAVY DUTY ASPHALT PAVEMENT AS PER ON SHEET C-9B
- PROPOSED STANDARD ASPHALT PAVEMENT. SEE SHEETS C-9B FOR DETAILS.
- PROPOSED BUILDING AND GAS CANOPY.
- PROPOSED SIDEWALK CONC. PAVEMENT.
- PROPOSED CONCRETE PAVEMENT WITHIN THE SITE. SEE SHEET C9B FOR DETAILS.
- PERIMETER LANDSCAPE AREA SURROUNDING BUILDING
- WETLAND AREA
- IMPACTED WETLAND AREA
- PROPOSED ACCESS EASEMENT
- AREA TO BE DEDICATED TO PASCO COUNTY AS PART OF S.R. 54 PRESERVATION CORRIDOR
- SIGHT VIEW TRIANGLE AREA
- PROPOSED LIGHT POLES
- PROPOSED STORM INLET
- PROPOSED STORM MANHOLE

SEE SHEET C-5 FOR OFF-SITE IMPROVEMENTS PLAN

Scale: 1"=20'	Start Date: DECEMBER 2015	Job No. 00202	File: SDP
Activity	Date	Name	Date
Designed by: GL	12/15	Drawn by: GL	12/15
Checked by: GL	12/15	Approved by: GL	12/15
FL Professional License Engineer 72415			
DESIGNED FOR: PEGASUS FINANCIAL, LLC			
PROJECT NAME: WAWA S.R. 54			
28225 STATE ROAD 54, WESLEY CHAPEL, PASCO COUNTY, FLORIDA			
SHEET NAME: SITE DIMENSION PLAN			
CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE-CALL OF FLORIDA, INC. FOR LOCATION OF ALL UTILITIES TWO COMPLETE BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION.			
Know what's below. Call before you dig. www.callsunshine.com			
GIACOMO S. LICARI, P.E. 6214 IMPERIAL KEY TAMPA, FL 33615 P.E. # 72415			
Sheet No. <b>C-4A</b>			



**RETENTION POND NOTE**

IT IS THE PROJECT GENERAL CONTRACTOR RESPONSIBILITY TO CHECK THE SOIL WITHIN THE LIMITS OF PROPOSED RETENTION POND IN DEPTH BETWEEN THE PROPOSED BOTTOM OF POND TILL EXISTING GROUND. WATER TO BE SURE NO EXISTING CLAY LAYER OR ANY UNACCEPTABLE SOIL OUTSIDE TYPE A SOIL CAN PREVENT FUNCTIONING OF THE RETENTION POND. THE DESIGN SOIL REPORT FOR A ONE BRINING OR TWO WITHIN THE POND LIMITS WHICH WILL NOT REFLECT ON THE WHOLE POND LIMITS; HOWEVER, AN INSPECTION BY THE CONTRACTOR OR HIS GEO TECHNICAL CONSULTANT IN THE FIELD IS REQUIRED AND REPORT TO ENGINEER OF RECORD AND OWNER WITH ANY NEW FINDINGS

**REFER TO SHEET C-7 & C-7A FOR STORMWATER POLLUTION PREVENTION PLAN AND DETAILS**

**NOTES**

1. THE SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED PRIOR TO CONSTRUCTION, MAINTAINED THROUGHOUT CONSTRUCTION AND UNTIL THE SITE PERMANENTLY STABILIZED.
2. PRIOR TO CONSTRUCTION, A BUILDING PERMIT SHALL BE OBTAINED FOR ALL STRUCTURES THAT HAVE A FOOTER, REGARDLESS OF SIZE, THROUGH PASCO COUNTY CENTRAL PERMITTING. (IE. INCLUDING BUT NOT INCLUSIVE BUILDINGS, ACCESSORIES, AND RETAINING WALLS).
3. ALL DEMOLITION DEBRIS SHALL BE REMOVED FROM SITE AND LEGALLY DISPOSED.
4. ALL SODDED SLOPES OVER 4 TO 1, SHALL BE INSTALLED WITH SOD PEGS.
5. REFER TO SHEET C-2 FOR THE TREES TO BE REMOVED.
6. IT IS THE OWNER'S RESPONSIBILITY TO INSPECT AND MAINTAIN THE STORM DRAINAGE SYSTEM ON A REGULAR BASIS.
7. ALL FIRST FLOOR ELEVATIONS (FF) SHALL BE A MINIMUM OF 1' ABOVE THE BASE FLOOD ELEVATION OR AS REQUIRED BY THE PASCO COUNTY LDC.
8. ALL DRIVEWAY ENTRANCES ARE NOT TO EXCEED 5% SLOPE.
9. IT IS THE OWNER'S RESPONSIBILITY TO INSPECT AND MAINTAIN THE COMPLETE DRAINAGE SYSTEM ON A REGULAR BASIS.
10. DURING CONSTRUCTION IF SOMETHING IS UNCOVERED, PARTICULARLY OF AN ARCHEOLOGICAL NATURE, THAT ALL WORK SHALL STOP AND THAT THE STATE ARCHEOLOGICAL OFFICE AND THE COUNTY ARE NOTIFIED

**EXISTING OFF-SITE STORM SEWER SCHEDULE (\*)**

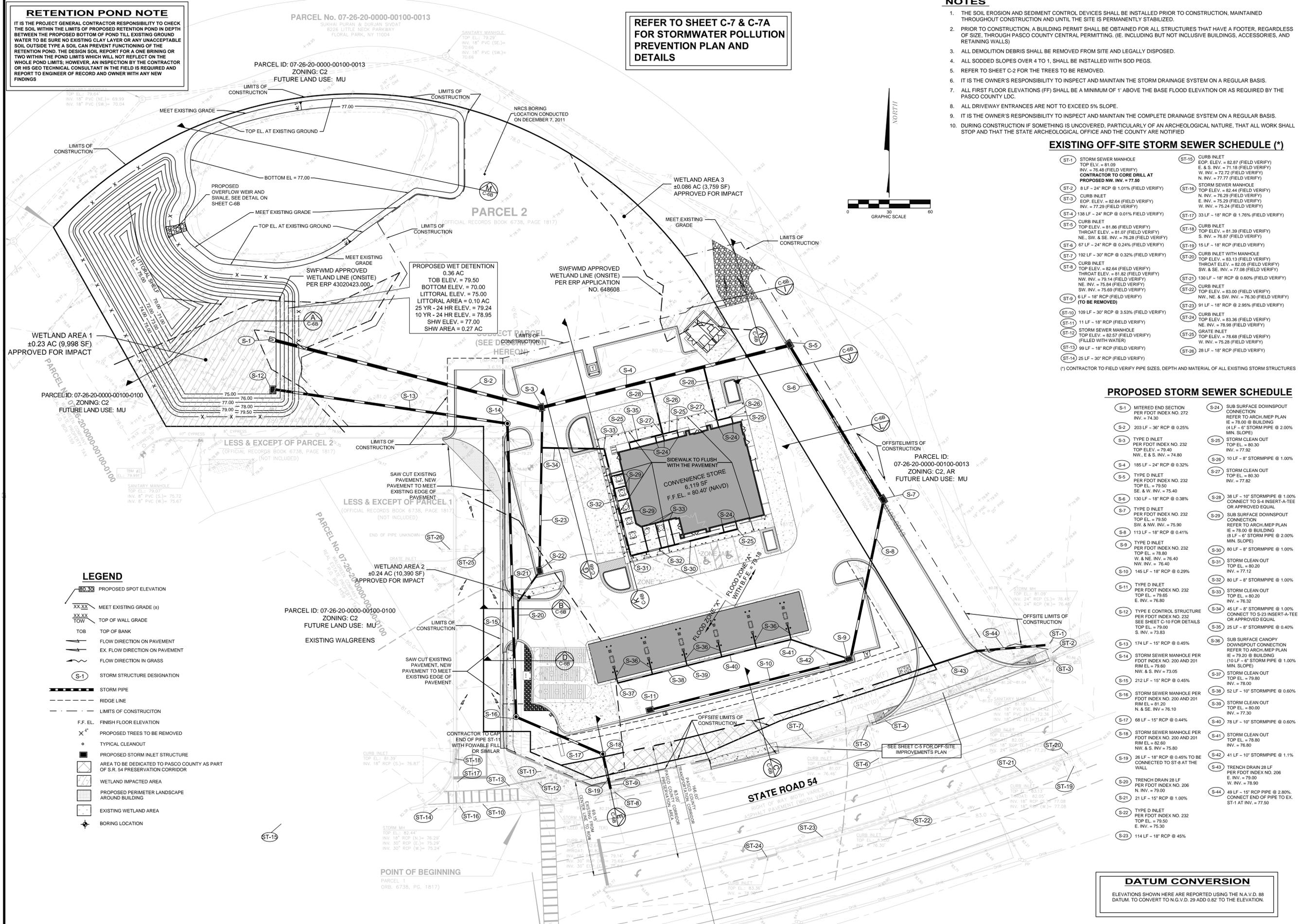
ST-1	STORM SEWER MANHOLE TOP ELV. = 81.09 INV. = 76.48 (FIELD VERIFY) CONTRACTOR TO CORE DRILL AT PROPOSED NW INV. = 77.50	ST-15	CURB INLET EOP. ELEV. = 82.87 (FIELD VERIFY) E. & S. INV. = 71.18 (FIELD VERIFY) W. INV. = 72.72 (FIELD VERIFY) N. INV. = 77.77 (FIELD VERIFY)
ST-2	8 LF - 24" RCP @ 1.01% (FIELD VERIFY)	ST-16	STORM SEWER MANHOLE TOP ELEV. = 82.44 (FIELD VERIFY) E. INV. = 75.29 (FIELD VERIFY) W. INV. = 75.24 (FIELD VERIFY)
ST-3	CURB INLET EOP. ELEV. = 82.64 (FIELD VERIFY) INV. = 77.29 (FIELD VERIFY)	ST-17	33 LF - 18" RCP @ 1.76% (FIELD VERIFY)
ST-4	138 LF - 24" RCP @ 0.01% (FIELD VERIFY)	ST-18	CURB INLET TOP ELEV. = 81.39 (FIELD VERIFY) S. INV. = 73.97 (FIELD VERIFY)
ST-5	CURB INLET TOP ELEV. = 81.86 (FIELD VERIFY) THROAT ELEV. = 81.07 (FIELD VERIFY) NE, SW, & SE INV. = 76.28 (FIELD VERIFY)	ST-19	15 LF - 18" RCP (FIELD VERIFY)
ST-6	67 LF - 24" RCP @ 0.24% (FIELD VERIFY)	ST-20	CURB INLET WITH MANHOLE TOP ELEV. = 83.13 (FIELD VERIFY) THROAT ELEV. = 82.05 (FIELD VERIFY) SW, & SE INV. = 77.08 (FIELD VERIFY)
ST-7	192 LF - 30" RCP @ 0.32% (FIELD VERIFY)	ST-21	130 LF - 18" RCP @ 0.60% (FIELD VERIFY)
ST-8	CURB INLET TOP ELEV. = 82.64 (FIELD VERIFY) THROAT ELEV. = 81.82 (FIELD VERIFY) NW INV. = 79.14 (FIELD VERIFY) NE INV. = 75.94 (FIELD VERIFY) SW INV. = 75.69 (FIELD VERIFY)	ST-22	CURB INLET TOP ELEV. = 83.00 (FIELD VERIFY) NW, NE, & SW INV. = 76.30 (FIELD VERIFY)
ST-9	6 LF - 18" RCP (FIELD VERIFY) (TO BE REMOVED)	ST-23	91 LF - 18" RCP @ 2.95% (FIELD VERIFY)
ST-10	109 LF - 30" RCP @ 3.53% (FIELD VERIFY)	ST-24	CURB INLET TOP ELEV. = 83.36 (FIELD VERIFY) NE INV. = 78.98 (FIELD VERIFY)
ST-11	11 LF - 18" RCP (FIELD VERIFY)	ST-25	CURB INLET TOP ELEV. = 78.68 (FIELD VERIFY) W. INV. = 75.28 (FIELD VERIFY)
ST-12	STORM SEWER MANHOLE TOP ELEV. = 82.57 (FIELD VERIFY) (FILLED WITH WATER)	ST-26	28 LF - 18" RCP (FIELD VERIFY)
ST-13	99 LF - 18" RCP (FIELD VERIFY)		
ST-14	25 LF - 30" RCP (FIELD VERIFY)		

(\*) CONTRACTOR TO FIELD VERIFY PIPE SIZES, DEPTH AND MATERIAL OF ALL EXISTING STORM STRUCTURES

**PROPOSED STORM SEWER SCHEDULE**

S-1	MITERED END SECTION PER FDOT INDEX NO. 272 INV. = 74.30	S-24	SUB SURFACE DOWNSPOUT CONNECTION REFER TO ARCH. MEP PLAN IE = 78.00 @ BUILDING (4 LF - 6" STORM PIPE @ 2.00% MIN. SLOPE)
S-2	203 LF - 36" RCP @ 0.25%	S-25	STORM CLEAN OUT TOP EL. = 80.30 INV. = 77.92
S-3	TYPE D INLET PER FDOT INDEX NO. 232 TOP ELEV. = 79.40 NW, E & S INV. = 74.80	S-26	10 LF - 8" STORMPIPE @ 1.00%
S-4	185 LF - 24" RCP @ 0.32%	S-27	STORM CLEAN OUT TOP EL. = 80.30 INV. = 77.82
S-5	TYPE D INLET PER FDOT INDEX NO. 232 TOP EL. = 79.50 SE, & W. INV. = 75.40	S-28	38 LF - 10" STORMPIPE @ 1.00% CONNECT TO S-4 INSERT A-TEE OR APPROVED EQUAL
S-6	130 LF - 18" RCP @ 0.38%	S-29	SUB SURFACE DOWNSPOUT CONNECTION REFER TO ARCH. MEP PLAN IE = 78.00 @ BUILDING (8 LF - 6" STORM PIPE @ 2.00% MIN. SLOPE)
S-7	TYPE D INLET PER FDOT INDEX NO. 232 TOP EL. = 79.50 SW, & NW INV. = 75.90	S-30	80 LF - 8" STORMPIPE @ 1.00%
S-8	113 LF - 18" RCP @ 0.41%	S-31	STORM CLEAN OUT TOP EL. = 80.20 INV. = 77.12
S-9	TYPE D INLET PER FDOT INDEX NO. 232 TOP EL. = 78.80 W. & NE INV. = 76.40 NW INV. = 76.40	S-32	80 LF - 8" STORMPIPE @ 1.00%
S-10	145 LF - 18" RCP @ 0.29%	S-33	STORM CLEAN OUT TOP EL. = 80.20 E INV. = 76.90
S-11	TYPE D INLET PER FDOT INDEX NO. 232 TOP EL. = 79.65 E INV. = 76.90	S-34	45 LF - 8" STORMPIPE @ 1.00% CONNECT TO S-23 INSERT A-TEE OR APPROVED EQUAL
S-12	TYPE E CONTROL STRUCTURE PER FDOT INDEX NO. 232 SEE SHEET C-10 FOR DETAILS TOP EL. = 79.00 S. INV. = 73.53	S-35	25 LF - 8" STORMPIPE @ 0.40%
S-13	174 LF - 15" RCP @ 0.45%	S-36	SUB SURFACE CANOPY DOWNSPOUT CONNECTION REFER TO ARCH. MEP PLAN IE = 79.20 @ BUILDING (10 LF - 6" STORM PIPE @ 1.00% MIN. SLOPE)
S-14	STORM SEWER MANHOLE PER FDOT INDEX NO. 200 AND 201 RIM EL. = 79.60 NW, & S. INV. = 73.05	S-37	STORM CLEAN OUT TOP EL. = 79.80 INV. = 78.00
S-15	212 LF - 15" RCP @ 0.45%	S-38	52 LF - 10" STORMPIPE @ 0.60%
S-16	STORM SEWER MANHOLE PER FDOT INDEX NO. 200 AND 201 RIM EL. = 81.20 N. & S. INV. = 76.10	S-39	STORM CLEAN OUT TOP EL. = 80.00 INV. = 77.30
S-17	68 LF - 15" RCP @ 0.44%	S-40	78 LF - 10" STORMPIPE @ 0.60%
S-18	STORM SEWER MANHOLE PER FDOT INDEX NO. 200 AND 201 RIM EL. = 82.80 NW, & S. INV. = 75.80	S-41	STORM CLEAN OUT TOP EL. = 78.80 INV. = 76.80
S-19	26 LF - 18" RCP @ 0.45% TO BE CONNECTED TO ST-8 AT THE WALL	S-42	41 LF - 10" STORMPIPE @ 1.1%
S-20	TRENCH DRAIN 28 LF PER FDOT INDEX NO. 206 N. INV. = 79.00	S-43	TRENCH DRAIN 28 LF PER FDOT INDEX NO. 206 E. INV. = 79.00 W. INV. = 78.90
S-21	21 LF - 15" RCP @ 1.00%	S-44	49 LF - 15" RCP PIPE @ 2.80% CONNECT END OF PIPE TO EX. ST-1 AT INV. = 77.50
S-22	TYPE D INLET PER FDOT INDEX NO. 232 TOP EL. = 79.50 E. INV. = 75.30		
S-23	114 LF - 18" RCP @ 45%		

**DATUM CONVERSION**  
ELEVATIONS SHOWN HERE ARE REPORTED USING THE N.A.V.D. 88 DATUM. TO CONVERT TO N.G.V.D. 29 ADD 0.82 TO THE ELEVATION.



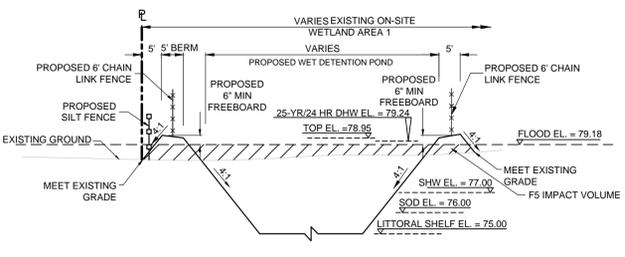
**LEGEND**

	PROPOSED SPOT ELEVATION
	MEET EXISTING GRADE (±)
	TOP OF WALL GRADE
	TOP OF BANK
	FLOW DIRECTION ON PAVEMENT
	EX. FLOW DIRECTION ON PAVEMENT
	FLOW DIRECTION IN GRASS
	STORM STRUCTURE DESIGNATION
	STORM PIPE
	RIDGE LINE
	LIMITS OF CONSTRUCTION
	F.F. EL. FINISH FLOOR ELEVATION
	PROPOSED TREES TO BE REMOVED
	TYPICAL CLEANOUT
	PROPOSED STORM INLET STRUCTURE
	AREA TO BE DEDICATED TO PASCO COUNTY AS PART OF S.R. 54 PRESERVATION CORRIDOR
	WETLAND IMPACTED AREA
	PROPOSED PERIMETER LANDSCAPE AROUND BUILDING
	EXISTING WETLAND AREA
	BORING LOCATION

Scale:	1"=50'		
Start Date:	DECEMBER 2015		
Job No.:	0202		
File:	GDP		
Drawn by:	GL		
Checked by:	GL		
Approved by:	GL		
Professional License Engineer:	72415		
Activity:	Name	Date	
Designed by:	GL	12/15	
Drawn by:	GL	12/15	
Checked by:	GL	12/15	
Approved by:	GL	12/15	
Revision:	Description	No.	Date
<b>PEGASUS FINANCIAL, LLC</b> PROJECT NAME: <b>WAWA S.R. 54</b> 28225 STATE ROAD 54, WESLEY CHAPEL, PASCO COUNTY, FLORIDA SHEET NAME: <b>OVERALL PAVING, GRADING,                  AND DRAINAGE PLAN</b>			
CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE-CALL OF FLORIDA, INC. FOR LOCATION OF ALL UTILITIES TWO COMPLETE BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION. Know what's below. Call before you dig. www.callsunshine.com			
GIACOMO S. LICARI, P.E. 6214 IMPERIAL KEY TAMPA, FL 33615 P.E. # 72415			
Sheet No. <b>C-6</b>			

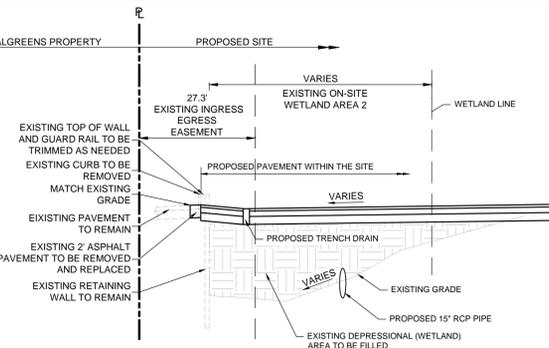


84  
82  
80  
78  
76  
74



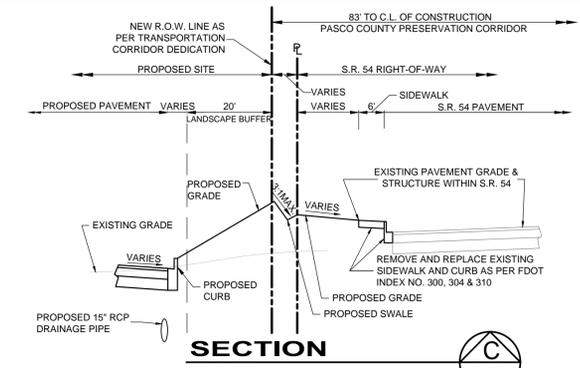
**SECTION A-C-6B**  
SCALE: HORIZ. 1"=20'  
VERT. 1"=4'

84  
82  
80  
78  
76  
74

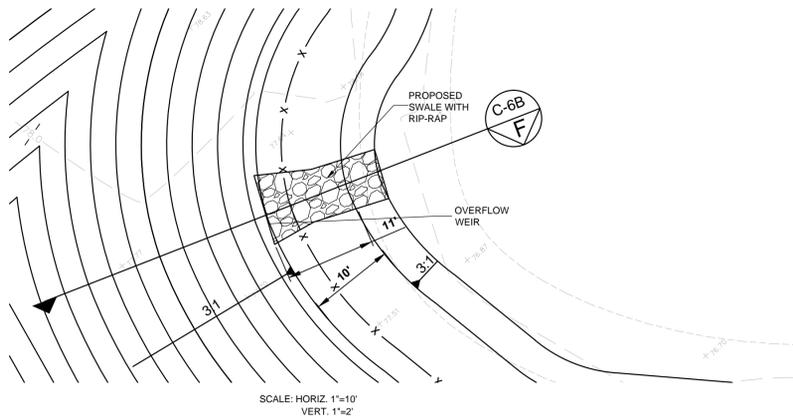


**SECTION B-C-6B**  
SCALE: HORIZ. 1"=20'  
VERT. 1"=4'

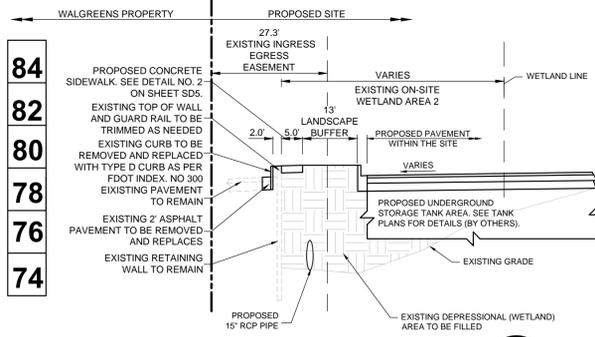
84  
82  
80  
78  
76



**SECTION C-C-6B**  
SCALE: HORIZ. 1"=20'  
VERT. 1"=4'

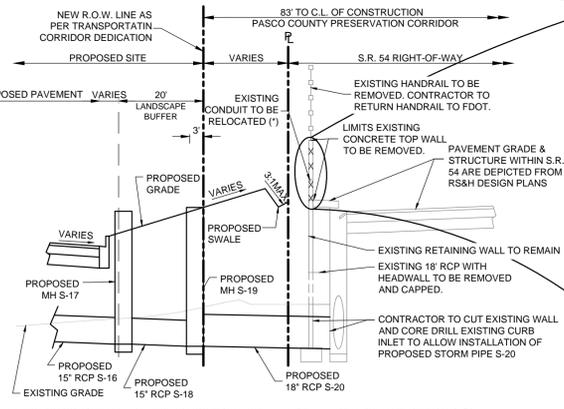


SCALE: HORIZ. 1"=10'  
VERT. 1"=2'



**SECTION D-C-6B**  
SCALE: HORIZ. 1"=20'  
VERT. 1"=4'

84  
82  
80  
78  
76  
74

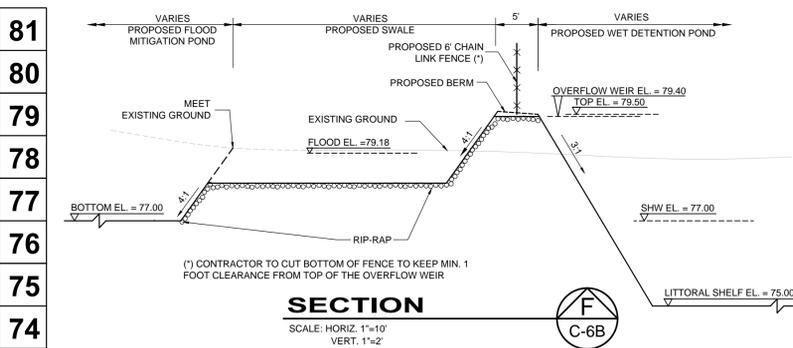


**SECTION E-C-6B**  
SCALE: HORIZ. 1"=20'  
VERT. 1"=4'

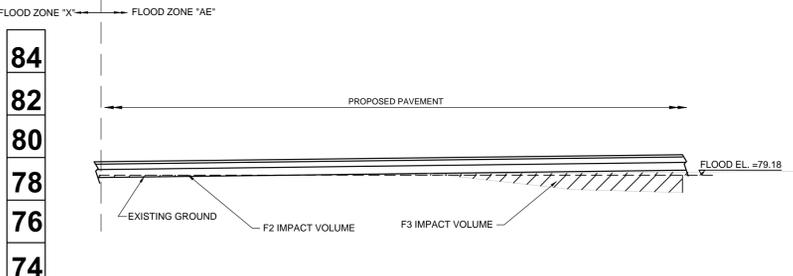


EXISTING CONDUIT AND ELECTRICAL BOX WITHIN CONCRETE WALL TO BE RELOCATED

EXISTING WALL (TO BE REMOVED) DURING CONSTRUCTION FROM INSIDE RACETRACK SITE

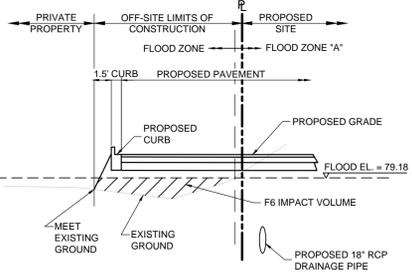


**SECTION F-C-6B**  
SCALE: HORIZ. 1"=10'  
VERT. 1"=2'

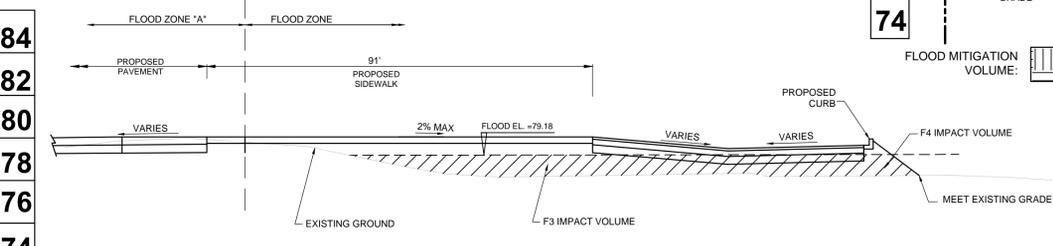


**SECTION G-C-6B**  
SCALE: HORIZ. 1"=20'  
VERT. 1"=4'

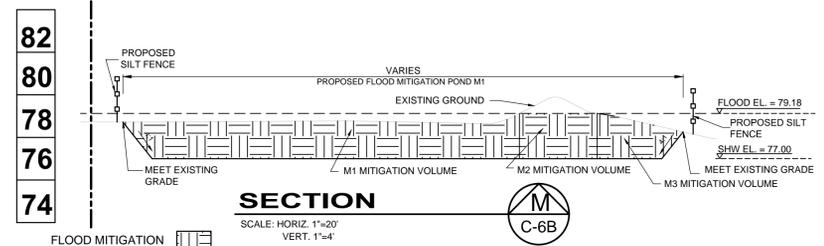
84  
82  
80  
78  
76  
74



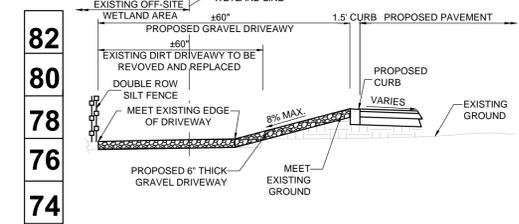
**SECTION H-C-6B**  
SCALE: HORIZ. 1"=20'  
VERT. 1"=4'



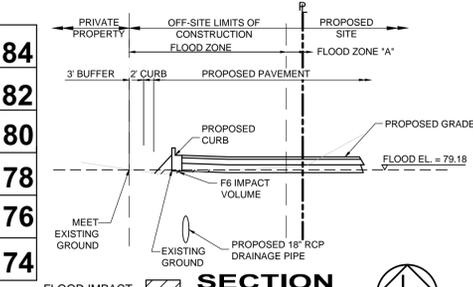
**SECTION I-C-6B**  
SCALE: HORIZ. 1"=20'  
VERT. 1"=4'



**SECTION J-C-6B**  
SCALE: HORIZ. 1"=20'  
VERT. 1"=4'



**SECTION K-C-6B**  
SCALE: HORIZ. 1"=20'  
VERT. 1"=4'



**SECTION L-C-6B**  
SCALE: HORIZ. 1"=20'  
VERT. 1"=4'

84  
82  
80  
78  
76  
74  
72  
70

Scale:	AS SHOWN
Start Date:	DECEMBER 2015
Job No.:	0202
File:	SITE PLAN

Activity	Date	Name
Designed by:	12/15	GL
Drawn by:	12/15	GL
Checked by:	12/15	GL
Approved by:	12/15	GL

Activity	Date	Name
Designed by:	12/15	GL
Drawn by:	12/15	GL
Checked by:	12/15	GL
Approved by:	12/15	GL

Activity	Date	Name
Designed by:	12/15	GL
Drawn by:	12/15	GL
Checked by:	12/15	GL
Approved by:	12/15	GL

Activity	Date	Name
Designed by:	12/15	GL
Drawn by:	12/15	GL
Checked by:	12/15	GL
Approved by:	12/15	GL

Activity	Date	Name
Designed by:	12/15	GL
Drawn by:	12/15	GL
Checked by:	12/15	GL
Approved by:	12/15	GL

Activity	Date	Name
Designed by:	12/15	GL
Drawn by:	12/15	GL
Checked by:	12/15	GL
Approved by:	12/15	GL

Activity	Date	Name
Designed by:	12/15	GL
Drawn by:	12/15	GL
Checked by:	12/15	GL
Approved by:	12/15	GL

Activity	Date	Name
Designed by:	12/15	GL
Drawn by:	12/15	GL
Checked by:	12/15	GL
Approved by:	12/15	GL

Activity	Date	Name
Designed by:	12/15	GL
Drawn by:	12/15	GL
Checked by:	12/15	GL
Approved by:	12/15	GL

DESIGNED FOR:  
**PEGASUS FINANCIAL, LLC**  
PROJECT NAME:  
**WAWA S.R. 54**  
28225 STATE ROAD 54, WESLEY CHAPEL,  
PASCO COUNTY, FLORIDA  
SHEET NAME:  
CROSS SECTIONS SHEET

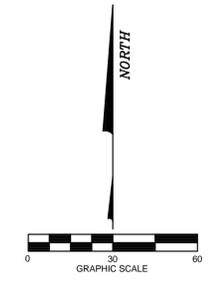
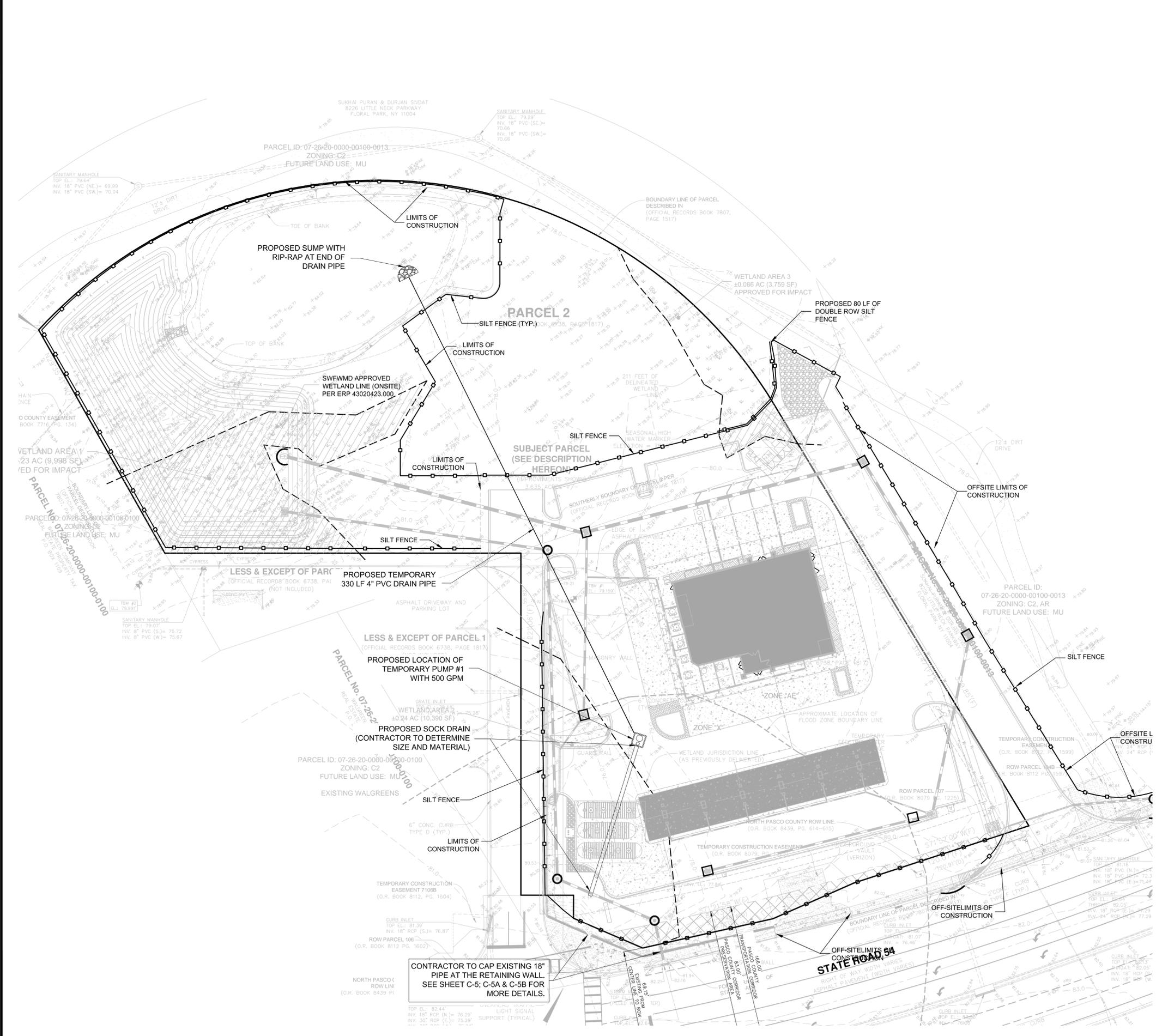
CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE-CALL OF FLORIDA, INC. FOR LOCATION OF ALL UTILITIES TWO COMPLETE BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION.  
**811** Know what's below. Call before you dig.  
www.callsunshine.com

GIACOMO S. LICARI, P.E.  
6214 IMPERIAL KEY  
TAMPA, FL 33615  
P.E. # 72415

Sheet No.  
**C-6B**







**PROPOSED LEGEND**

- PROPERTY LINE
- - - LANDSCAPE BUFFER LINE
- - - JURISDICTIONAL LINE (WETLAND LINE)
- - - LIMITS OF CONSTRUCTION
- F.F.EL. FINISHED FLOOR ELEVATION
- PROPOSED DOUBLE ROW SILT FENCE
- PROPOSED FLOW LINE
- - - EX. PROPOSED FLOW LINE
- FLOW DIRECTION IN GRASS
- ✕ TREES TO BE REMOVED
- PROPOSED INLET PROTECTION AROUND STORM DRAINAGE STRUCTURES
- PROPOSED STORM SEWER PIPE
- PROPOSED MES PROTECTION AROUND STORM DRAINAGE STRUCTURES
- PROPOSED PUMP LOCATION AND RUBBER CARRYING SYSTEM

**DEWATERING STEPS**

1. CONTRACTOR TO BE SURE ALL TURBIDITY BARRIERS HAD BEEN INSTALLED AS EROSION CONTROL PLAN BEFORE STARTING PUMPING.
2. CONSTRUCT FLOOD MITIGATION POND M1 TO BE USED FOR DISCHARGE DURING DEWATERING.
3. PUMP WATER AS SHOWN AND DISCHARGE INTO THE FLOOD MITIGATION POND TO PREVENT ANY POSSIBLE TURBIDITY.

**DEWATERING CALCULATIONS**

FOR THE PURPOSES OF BEING CONSERVATIVE AND SIMPLIFICATION, THE FOLLOWING ASSUMPTIONS WERE MADE:

1. THE SIDE SLOPES OF THE WETLAND AREA TO BE IMPACTED FOR VOLUME/CAPACITY IS ROUGHLY 10:1.
2. THE BOTTOM OF THIS WETLAND AREA IS ROUGHLY 74.50' AND THE TOP IS ROUGHLY 78.50', WITH A SEASONAL HIGH WATER ELEVATION OF 78.00'.
3. THE AMOUNT OF WATER TO BE REMOVED FROM THE SITE WILL BE FROM THE BOTTOM OF THE WETLAND AREA TO THE SEASONAL HIGH WATER ELEVATION.

	BOTTOM	SHW
EL.	74.50'	78.00'
AREA	450 SF	9,840 SF

$$\frac{(450 + 9,840)}{2} \times (78.00 - 74.50) = 18,008 \text{ CF}$$

$$18,008 \text{ CF} \times \frac{7.481 \text{ GALLONS}}{1 \text{ CF}} = 134,714 \text{ GALLONS}$$

$$\frac{134,714 \text{ GALLONS}}{500 \text{ GPM} \times 60 \text{ MIN.} \times 8 \text{ HOUR} \times 1 \text{ PUMPS}} = 0.56 \text{ DAYS} = 4.5 \text{ HOURS}$$

TO DEWATER THE IMPACTED WETLAND AREAS WILL TAKE APPROXIMATELY 4.5 HOURS.

**1. REFER TO DEMOLITION PLAN SHEET C-3 FOR TREES TO BE PRESERVED AND REMOVED**  
**2. ALL EXISTING TREES SHALL BE PROTECTED BY SILT FENCE AT ALL TIMES AS SHOWN ON THIS SHEET.**

<b>Scale:</b> 1"=30'	<b>Start Date:</b> DECEMBER 2015	<b>Job No.:</b> 00202	<b>File:</b> DEW. PLAN	<b>Date:</b>
<small>THE DESIGN AND DATA INCORPORATED HEREIN ARE THE PROPERTY OF PEGASUS FINANCIAL, L.L.C. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT AUTHORIZATION FROM PEGASUS FINANCIAL, L.L.C. ALL RIGHTS ARE RESERVED. DRAWING SCALE: AS SHOWN. L. LICARI, P.E. REGISTERED PROFESSIONAL ENGINEER © 2015</small>				<b>No.</b>
<b>Activity</b>	<b>Name</b>	<b>Date</b>	<b>Date</b>	<b>Date</b>
Designed by:	GL	12/15		
Drawn by:	GL	12/15		
Checked by:	GL	12/15		
Approved by:	FL Professional License Engineer 72415			
<b>PEGASUS FINANCIAL, LLC</b>				
<b>WAWA S.R. 54</b>				
<b>28225 STATE ROAD 54, WESLEY CHAPEL,</b>				
<b>PASCO COUNTY, FLORIDA</b>				
<b>DESIGNED FOR: PEGASUS FINANCIAL, LLC</b>				
<b>PROJECT NAME: WAWA S.R. 54</b>				
<b>28225 STATE ROAD 54, WESLEY CHAPEL, PASCO COUNTY, FLORIDA</b>				
<b>SHEET NAME: DEWATERING PLAN &amp; DETAILS</b>				
<small>GIACOMO S. LICARI, P.E.          FL P.E. #72415          NOT VALID FOR UNLICENSED ENGINEERING</small>				
<small>CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE-CALL OF FLORIDA, INC. FOR LOCATION OF ALL UTILITIES TWO COMPLETE BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION.</small>				
Know what's below. Call before you dig. www.callsunshine.com				
<small>GIACOMO S. LICARI, P.E.          6214 IMPERIAL KEY          TAMPA, FL 33615          P.E. # 72415</small>				
<b>Sheet No.</b>				
<b>C-7B</b>				

**PARCEL 2**  
(OFFICIAL RECORDS BOOK 6738, PAGE 1817)

**DATUM CONVERSION**  
ELEVATIONS SHOWN HERE ARE REPORTED USING THE N.A.V.D. 88 DATUM. TO CONVERT TO N.G.V.D. 29 ADD 0.82 TO THE ELEVATION.

WFWMD APPROVED  
VETLAND LINE (ONSITE)  
PER ERP 43020423.000

**SUBJECT PARCEL**  
(SEE DESCRIPTION  
HEREON)

PARCEL 2  
(OFFICIAL RECORDS BOOK 6738, PAGE 1817)

**DOMESTIC WATER CALCULATIONS**

SYMBOL	FIXTURE TYPE	QUANTITY	F.U.	SUB-TOTAL FIXTURE UNITS
WC-1	WATER CLOSET (TANK TYPE)	5	3	15
LC-1	LAVATORY (38")	2	2	4
DF-1	DRINKING FOUNTAIN COOLER	2	1	2
S-1	SERVICE SINK (1/2")	9	3	27
S-2	WASH SINK (EACH SET OF FAUCETS)	1	4	4
U	URINAL WALL FLUSH VALVE	2	10	20
HB-1.2	HOSE BIBB (1/2")	0	3	0
TOTAL FIXTURE UNITS				72
TOTAL GPM:				47
EQUIPMENT MAKE-UP WATER:				N/A
MINIMUM SERVICE SIZE:				1.5"

**SANITARY SEWER FIXTURE CALCULATIONS**

SYMBOL	FIXTURE TYPE	QUANTITY	FIXTURE UNITS	SUB-TOTAL FIXTURE UNITS
WC-1	WATER CLOSET	5	3	15
WC-2	WATER CLOSET	2	10	20
LC-1	LAVATORY	2	2	4
EW-1	ELECTRIC WATER COOLER	2	0.5	1
S-1	SERVICE SINK (1/2")	9	3	27
S-2	WASH SINK (EACH SET OF FAUCETS)	1	2	2
U	URINAL WALL FLUSH VALVE	2	10	20
FD-1	FLOOR DRAIN	3	2	6
FD-2	FLOOR DRAIN	2	2	4
TOTAL FIXTURE UNITS:				29
MINIMUM SERVICE SIZE:				4"

**UTILITY AND FIRE GENERAL NOTES**

- THE MASTER METER ASSEMBLY WILL BE DIRECTLY ACCESSIBLE BY BOOM TRUCK OFF OF THE COUNTY / FOOT R.O.W. OR BY AN INTERIOR ROAD THAT IS NOT BLOCKED BY A WALL OR GATE. THE ELEVATION OF THE CONCRETE SLAB WILL BE HIGHER THAN THE IMMEDIATE SURROUNDING AREA. DO NOT MULCH AREA AROUND SLAB. DO NOT PLANT ANY LANDSCAPE THAT WILL HINDER DIRECT ACCESS IN THE FUTURE TO THE METER ASSEMBLY.
- CONTRACTOR TO EXPOSE WATER MAIN AND FURNISH AND INSTALL THE TAPPING SADDLE AND VALVE FOR WATER METER TAP AND INSTALL POLYETHYLENE (P.E.) WATER SERVICE LINE FROM MAIN TO METER. PASCO COUNTY WATER DEPARTMENT WILL PERFORM THE TAPPING OPERATION.
- ALL NON-METALLIC PIPE WILL BE INSTALLED WITH 2 PAIR, 10 GAUGE, COPPER TRACER WIRE.
- IT IS THE OWNER'S RESPONSIBILITY TO INSPECT AND MAINTAIN THE WATER SYSTEM COLLECTION, SANITARY SEWER, AND RETENTION SYSTEM ON A REGULAR BASIS.
- FIRE HYDRANTS MUST BE FLOW TESTED AND COLOR-CODED BASED ON FLOW RESULTS.
- FIRE FLOW MUST BE A MINIMUM OF 1,000 GPM, 20 PSI, WITH 2 HOURS DURATION.
- FIRE HYDRANTS SHALL BE INSTALLED AND IN SERVICE PRIOR TO ACCUMULATION OF COMBUSTIBLES.
- PER 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.
- THERE WILL BE NO LIGHT SPILLAGE OR GLARE BEYOND THE SITE.
- ALL UTILITY MATERIAL AND WORKMANSHIP MUST COMPLY WITH STANDARDS FOR DESIGN AND CONSTRUCTION OF WATER, WASTEWATER, AND RECLAIMED WATER FACILITIES SPECIFICATIONS, JUNE 1995 EDITION.
- CONNECTIONS INTO COUNTY-OWNED SYSTEM SHALL BE VIA WET TAP. WET TAPS SHALL BE PERFORMED BY THE UTILITIES SERVICES BRANCH AT THE DEVELOPERS EXPENSE. EXCAVATION, BACKFILL, AND SURFACE RESTORATION SHALL BE THE CONTRACTORS RESPONSIBILITY. MATERIAL FOR WET TAPS LARGER THAN 2 INCHES SHALL BE PROVIDED AND INSTALLED BY THE PROJECT CONTRACTOR.
- THE UTILITY SERVICES BRANCH SHALL NOT OWN OR MAINTAIN WATER AND SEWER LINES OR FACILITIES ON SITE.
- IRRIGATION SOURCE WILL BE THRU PUBLIC WATER BY PROPOSED IRRIGATION METER.
- FIRE PROTECTION SHALL MEET THE REQUIREMENTS OF THE PASCO COUNTY CODE OF ORDINANCES, CHAPTER 46, FIRE PROTECTION & PREVENTION.
- THE SANITARY SEWER PLUGS SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION BY THE CONTRACTOR AND SHALL REMAIN IN PLACE UNTIL THE SYSTEM HAS BEEN CLEANED, INSPECTED AND APPROVED BY THE UTILITIES SERVICES BRANCH. WHEN THE SYSTEM HAS BEEN APPROVED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF THE PLUGS.
- CONTRACTOR SHALL MAINTAIN A MINIMUM OF 18" SEPARATION BETWEEN UTILITIES AT ALL TIMES.

**ATTENTION**

- CONTRACTOR TO VERIFY EXISTING WATER LINE CONNECTION LOCATION, SIZE AND CONSULT WITH ENGINEER OF RECORD AND OWNER/ OWNER REPRESENTATIVE OF ANY DISCREPANCY.
- CONTRACTOR TO COORDINATE WITH LOCAL POWER COMPANY FOR PROPOSED TRANSFORMER LOCATION ON SITE.
- LOCATION OF EXISTING WATER AND SANITARY SEWER LINES IS APPROXIMATE, UTILIZING PASCO COUNTY UTILITY ATLAS.
- CONTRACTOR TO PROVIDE ALTERNATIVE DEDUCT BID FOR OVERHEAD POWER AND PHONE LINES WITH MINIMUM 16 FEET CLEAR ABOVE FINISH GRADES.
- CONTRACTOR TO UTILIZE ENDOPIRE FOR WATER AND IRRIGATION LINES.
- CONTRACTOR TO MAINTAIN AN 18" SEPARATION BETWEEN UTILITIES AT ALL TIMES. SEE SHEET N-1 FOR FURTHER INFO AND NOTES.

**UTILITIES SUPPLIER**

- POTABLE WATER FACILITIES: PASCO COUNTY
- SEWAGE FACILITIES: PASCO COUNTY
- FIRE SERVICE: PASCO COUNTY M.S.T.U.
- ELECTRICAL SERVICE: WITHLACOCHEE RIVER ELECTRIC COOPERATIVE

**SANITARY SEWER SCHEDULE**

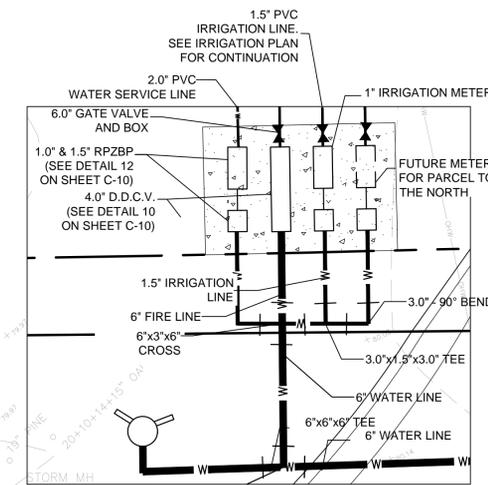
- (SS-1) 4" TWO-WAYS CLEANOUT. SEE ARCH. PLANS FOR CONTINUATION  
TOP EL. = 80.30  
SE. INV. EL. = 77.00  
NW. INV. EL. = 74.55
- (SS-2) 51 L.F. - 4" PVC GRAVITY SEWER @ 2.00% MIN.
- (SS-3) 30 L.F. - 4" PVC GRAVITY SEWER @ 2.00% MIN.
- (SS-4) 4" TWO-WAYS CLEANOUT. TOP EL. = 80.30  
INV. EL. = 76.40
- (SS-5) 1500 GAL GREASE TRAP WITH SAMPLING STATION SEE ARCH. PLANS FOR DETAILS  
TOP EL. = 80.00  
INV. EL. = 70.30
- (SS-6) 16 L.F. - 4" PVC GRAVITY SEWER @ 2.00% MIN.
- (SS-7) 4" TWO-WAYS CLEANOUT. TOP EL. = 79.90  
INV. EL. = 73.55
- (SS-8) 68 L.F. - 6" PVC GRAVITY SEWER @ 1.00% MIN.
- (SS-9) 6" TWO-WAYS CLEANOUT TOP EL. = 80.00  
INV. EL. = 72.85
- (SS-10) 81 L.F. - 6" PVC GRAVITY SEWER @ 1.00% MIN.

**EXT SANITARY SEWER SCHEDULE**

- (EX-1) EX. 18" PVC GRAVITY SEWER
- (EX-2) EX. MANHOLE (1) TOP EL. = 81.18 (FIELD VERIFY)  
EX. N. INV. EL. = 71.42 (FIELD VERIFY)  
EX. E. INV. EL. = 71.47 (FIELD VERIFY)  
EX. S. INV. EL. = 72.38 (FIELD VERIFY)
- (EX-3) EX. 18" PVC GRAVITY SEWER
- (EX-4) EX. MANHOLE (1) TOP EL. = 79.53 (FIELD VERIFY)  
EX. N. INV. EL. = 70.89 (FIELD VERIFY)  
EX. SE. INV. EL. = 71.03 (FIELD VERIFY)  
PROPOSED SW. INV. = 72.03
- (EX-5) EX. 18" PVC GRAVITY SEWER  
(\*) REVISED PER LATEST ALTA SURVEY DATED 9-5-2012.

**PROPOSED UTILITY SERVICE SCHEDULE**

- (A) 6" DIRECT TAPPING TO EXISTING WATER LINE
- (B) 28 L.F. - 6" DR-14 PVC LINE
- (C) 6"x6"x4" TEE
- (D) 240 L.F. - 6" PVC FIRE SERVICE LINE
- (E) 6" - 45" BEND
- (F) 4" FIRE SERVICE LINE INTO THE BUILDING. SEE ARCH. PLAN FOR CONTINUATION.
- (G) 266 L.F. - 2" PVC WATER SERVICE LINE
- (H) 2" - 45" BEND
- (I) 2" WATER SERVICE LINE WITH 90° BEND INTO THE BUILDING. SEE ARCH. PLAN FOR CONTINUATION.
- (J) PROPOSED ELECTRICAL SERVICE LINE. SEE ELECTRICAL PLAN FOR EXACT LOCATION & CONTINUATION.
- (K) PROPOSED COMMUNICATION SERVICE LINE. SEE ELECTRICAL PLAN FOR EXACT LOCATION & CONTINUATION.
- (L) PROPOSED HOSE BIB. SEE DETAILS 4 OF SHEET SD2. SEE IRRIGATION PLAN FOR CONNECTION
- (M) 105 L.F. - 3/4" PVC WATER SERVICE LINE
- (N) 1.0" - 90° BEND
- (O) 6"x4"x6" TEE
- (P) 300 L.F. - 3" WATER SERVICE LINE (DRY) FOR FUTURE DEVELOPMENT OF NORTHERN PARCEL)



**LEGEND**

- PROPOSED 6" FIRE HYDRANT
- EXISTING FORCE MAIN
- PROPOSED FORCE MAIN
- SANITARY SEWER LINE
- PROPOSED WATER LINE
- EXISTING WATER LINE
- UNDERGROUND PRIMARY ELECTRIC SERVICE
- GAS LINE
- FIRE PROTECTION WATER LINE
- STORM SEWER PIPE

PARCEL ID:  
07-26-20-0000-00100-013  
ZONING: C2, AR  
FUTURE LAND USE: MU

Scale: 1"=20'

Start Date: DECEMBER 2015

Job No. 00202

Utility

THE DESIGN AND SEALING OF THIS PLAN IS THE RESPONSIBILITY OF THE REGISTERED PROFESSIONAL ENGINEER OF RECORD. THE USER OF THIS PLAN FOR ANY OTHER PROJECT WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER OF RECORD IS PROHIBITED. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY BE MADE BY ANY OTHER PARTY USING THIS PLAN.

Activity	Name	Date	Activity	Name	Date
Designed by:	GL	12/15	Checked by:	GL	12/15
Drawn by:	GL	12/15	Approved by:	GL	12/15
FL Professional License Engineer 72415			No.		

DESIGNED FOR: PEGASUS FINANCIAL, LLC

PROJECT NAME: WAWA S.R. 54

28226 STATE ROAD 54, WESLEY CHAPEL, PASCO COUNTY, FLORIDA

SHEET NAME: COMPOSITE UTILITIES PLAN

NOT VALID UNLESS SIGNED & AMBOISED BY A REGISTERED ENGINEER

CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE-CALL OF FLORIDA, INC. FOR LOCATION OF ALL UTILITIES TWO COMPLETE BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION.

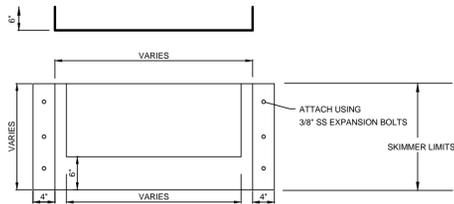
www.callsunshine.com

Know what's below. Call before you dig.

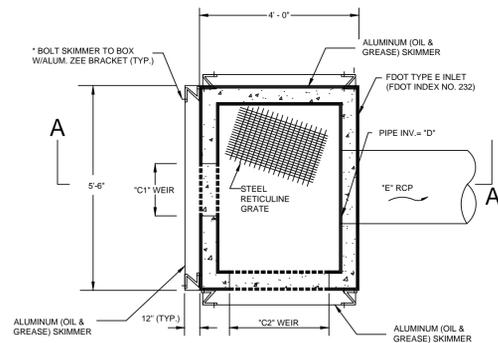
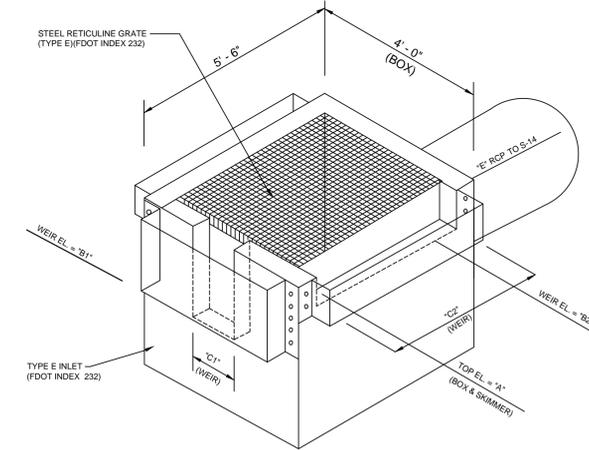
GIACOMO S. LICARI, P.E.  
6214 IMPERIAL KEY  
TAMPA, FL 33615  
P.E. # 72415

Sheet No.

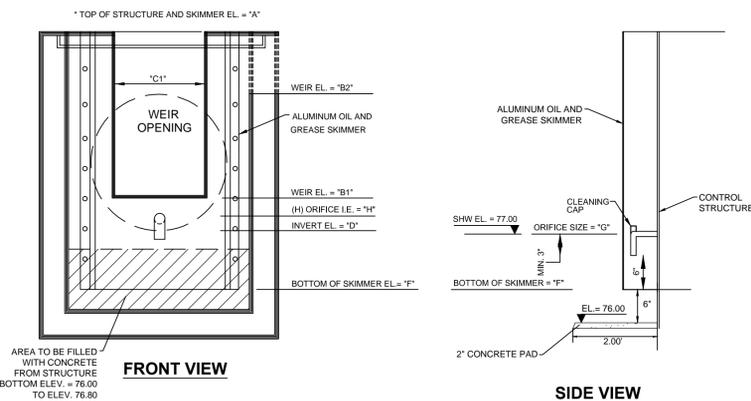
**C-8**



**ALUMINUM SKIMMER DETAIL**



**PLAN VIEW**



POND NAME	STRUCTURE TYPE	STRUCTURE NUMBER	DIMENSION / ELEVATION									
			A	B1	B2	C1	C2	D	E	F	G	H
A	E (1)	S-15	78.70	77.40	78.30	4.5"	16.5"	76.90	15"	76.50	0.8"	77.00

(1) TYPE E INLET PER FDOT INDEX NO. 232



- A 2 LIFT (1" EACH) 2" FDOT TYPE S-1 ASPHALTIC WEARING SURFACE.
- B 6" LIMEROCK, CRUSHED CONCRETE, OR SOIL CEMENT BASE 98% MODIFIED PROCTOR MAXIMUM DRY DENSITY, LBR OF AT LEAST 100.
- C 9" SUBBASE STABILIZED TO MINIMUM 98% OF THE MODIFIED PROCTOR (ASTM D-1557) TO YIELD A MINIMUM LBR = 40.
- D 2 LIFT (1" EACH) 2" FDOT TYPE S-1 ASPHALTIC WEARING SURFACE.
- E 8" LIMEROCK, CRUSHED CONCRETE, OR SOIL CEMENT BASE 98% MODIFIED PROCTOR MAXIMUM DRY DENSITY, LBR OF AT LEAST 100.
- F 9" SUBBASE STABILIZED TO MINIMUM 98% OF THE MODIFIED PROCTOR (ASTM D-1557) TO YIELD A MINIMUM LBR = 40.

**LIGHT DUTY HEAVY DUTY**

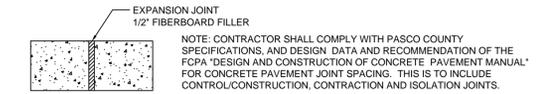
NOTE: BASE MATERIAL SHALL BE EXTENDED A MINIMUM OF 1 FOOT BEYOND THE BACK OF CURB AND SUB-BASE SHALL BE EXTENDED 1 FOOT MIN. BEYOND THE BASE.

**FLEXIBLE PAVEMENT CONSTRUCTION**



- G 5" TYPE 1 PORTLAND CEMENT CONCRETE WITH A 4000 PSI COMPRESSIVE STRENGTH AT 28 DAYS WHEN TESTED ACCORDING TO ASTM C-39. 10' X 10' CONTROL JOINT SPACING W/ MIN. 1-1/4" SAW-CUT DEPTH.
- H 24" MIN. CLEAN, FINE SAND SUBGRADE WITH LESS THAN 10% PASSING A NO. 200 SIEVE, COMPACTED TO AT LEAST 98% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY.
- I 7" TYPE 1 PORTLAND CEMENT CONCRETE WITH A 4000 PSI COMPRESSIVE STRENGTH AT 28 DAYS WHEN TESTED ACCORDING TO ASTM C-39. 12' X 12' CONTROL JOINT SPACING W/ MIN. 1-1/2" SAW-CUT DEPTH.
- J 24" MIN. CLEAN, FINE SAND SUBGRADE WITH LESS THAN 10% PASSING A NO. 200 SIEVE, COMPACTED TO AT LEAST 98% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY.

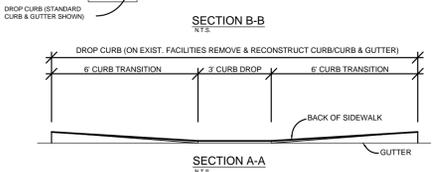
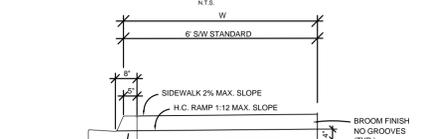
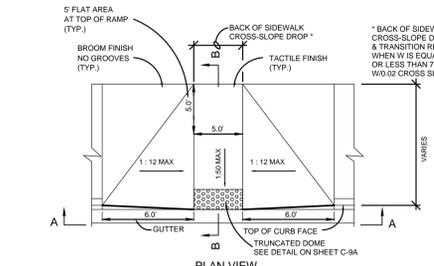
**LIGHT DUTY HEAVY DUTY**



**RIGID PAVEMENT CONSTRUCTION**

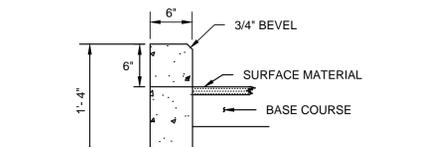
- NOTES:
- SUB-GRADE SOILS MUST BE DENSIFIED TO AT LEAST 98% OF MODIFIED PROCTOR TEST MAXIMUM DRY DENSITY TO A DEPTH OF AT LEAST 2 FT. PRIOR TO PLACEMENT OF CONCRETE.
  - WHERE CONCRETE PAVEMENT IS CONSTRUCTED ALL CURBING ADJACENT TO IT SHALL BE INTEGRAL CURB.
  - CONCRETE PAVEMENT SHOULD BE CONSTRUCTED ONLY OVER STABLE AND SMOOTH COMPACTED SUBGRADES. ANY SURFACE DISTURBANCES OR WHEEL RITTING SHOULD BE PREPARED PRIOR TO PLACEMENT OF CONCRETE.
  - THE SUBGRADE SHOULD BE THOROUGHLY WETTED IMMEDIATELY PRIOR TO THE PLACEMENT OF CONCRETE TO MINIMIZE ABSORPTION OF MOISTURE FROM THE CONCRETE DURING CURING.
  - CONCRETE PAVEMENT THICKNESS SHOULD BE UNIFORM THROUGHOUT, WITH THE EXCEPTION OF CURBING OR THICKENED EDGES.

**DETAIL 1 PAVING DETAILS**  
SCALE: N.T.S.



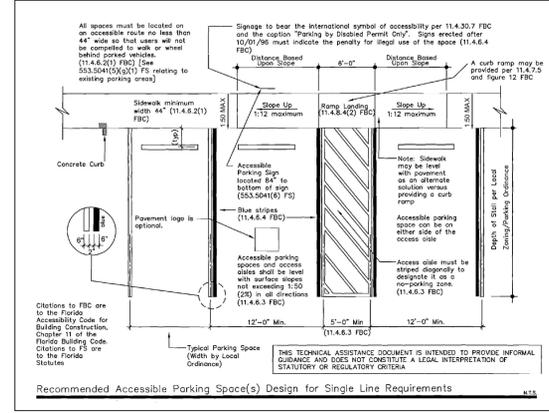
**CURB CUT RAMP FACILITY FOR PHYSICALLY HANDICAPPED**

**DETAIL 2 HANDICAP RAMP DETAILS**  
SCALE: N.T.S.



- GENERAL NOTES:
- THE CONCRETE FOR CURBS SHALL BE DEPARTMENT OF TRANSPORTATION CLASS "C" CONCRETE, AND HAVE A COMPRESSIVE STRENGTH OF 2500 PSI.
  - ALL CURBS SHALL HAVE CONTRACTION JOINTS AND SHALL BE CONSTRUCTED AT INTERVALS NOT TO EXCEED 10'-0" ON CENTERS FOR ALL CURBS.

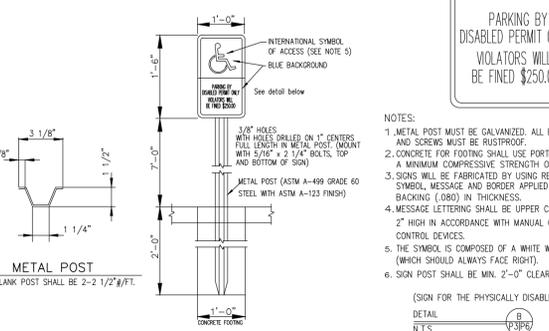
**DETAIL 3 TYPE "D" CONCRETE CURB**  
SCALE: N.T.S.



Sec. 4.6 Parking and Passenger Loading Zones  
Sec. 4.6.2 Location

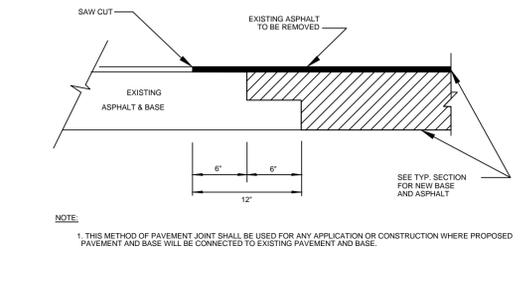
"Accessible parking spaces serving a particular building shall be located on the shortest accessible route of travel from adjacent parking to an accessible entrance."

(Florida Accessibility Code for Building Construction)

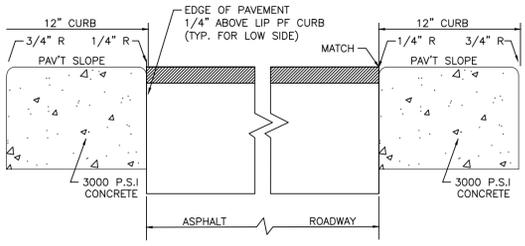


- MARKING NOTES:
- DIMENSIONS ARE TO THE CENTER LINE OF THE MARKINGS.
  - AN ACCESS AISLE IS REQUIRED FOR EACH ACCESSIBLE SPACE WHEN ANGLED PARKING IS USED.
  - CRITERIA FOR PAVEMENT MARKINGS ONLY, NOT PUBLIC SIDEWALK CURB RAMP LOCATIONS.
  - BLUE PAVEMENT MARKINGS SHALL BE TINTED TO MATCH SHADE 15180 OF FEDERAL STANDARDS 595A
  - THE F15-22-04 PANEL SHALL BE MOUNTED BELOW THE F15-21-04 PANEL.
- ACCESSIBLE PARKING STANDARDS PURSUANT TO 2008 FDOT DESIGN STANDARDS, INDEX. 17346.
- SECT. 4.6 PARKING AND PASSENGER LOADING ZONES
- SECT. 4.6.2 LOCATION
- \* ACCESSIBLE PARKING SPACES SERVING A PARTICULAR BUILDING SHALL BE LOCATED ON THE SHORTEST SAFELY ACCESSIBLE ROUTE OF TRAVEL FROM ADJACENT PARKING TO AN ACCESSIBLE ENTRANCE.

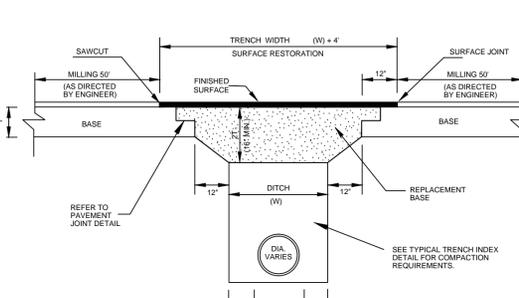
**DETAIL 4 PASCO COUNTY HANDICAP PARKING DETAIL**  
SCALE: N.T.S.



**DETAIL-6 PAVEMENT JOINT**  
SCALE: N.T.S.



**DETAIL 7 CONCRETE FLUSH CURB DETAIL**  
SCALE: N.T.S.



- NOTES:
- REPLACEMENT BASE MATERIAL OVER DITCH SHALL BE AT MINIMUM 16" THICK OR TWICE THE THICKNESS OF THE EXISTING BASE, WHICHEVER IS GREATER.
  - BASE MATERIAL SHALL BE PLACED IN THREE OR MORE LIFTS AND EACH LIFT COMPACTED TO 98% DENSITY PER A.S.H.T.O. T-190 LBR 100 MAX. LIFT THICKNESS = 6".
  - FLUSH RAMP SHALL BE USED AS A REPLACEMENT FOR BASE MATERIAL.
  - ASPHALT CONCRETE PAVEMENT JOINTS SHALL BE MECHANICALLY SAWED AND ALL SURFACES THICK COATED SURFACE MATERIAL SHALL BE FDOT TYPE S-1 (P.C.) ASPHALTIC CONCRETE (MIN. THICKNESS 1 1/2").
  - ANY PAVEMENT CUTS SHALL BE COLD PATCHED AT END OF EACH WORKING DAY TO FACILITATE UNHINDERED TRAFFIC FLOW.
  - ALL DISTURBED PAVEMENT MARKINGS SHALL BE RESTORED IN ACCORDANCE WITH CITY STANDARDS.
  - NO OPER CUT OF ROADS THAT HAVE BEEN NEWLY BUILT OR RESURFACED WITHIN THE LAST FIVE YEARS, PLEASE

**DETAIL-8 PAVEMENT REPAIR**  
SCALE: N.T.S.

**DETAIL 5 CONTROL STRUCTURE DETAIL FOR POND "A"**  
SCALE: N.T.S.

**DETAIL 7 CONCRETE FLUSH CURB DETAIL**  
SCALE: N.T.S.

DESIGNED FOR: **PEGASUS FINANCIAL, LLC**

PROJECT NAME: **WAWA S.R. 54**  
28225 STATE ROAD 54, WESLEY CHAPEL,  
PASCO COUNTY, FLORIDA

SHEET NAME: **GENERAL DETAILS SHEET**

Scale: N/A  
Start Date: DECEMBER 2015  
Job No.: C0202  
File: GEN. DETAIL

Activity: **GL 12/15**  
Designed by: **GL 12/15**  
Drawn by: **GL 12/15**  
Checked by: **GL 12/15**  
Approved by: **GL 12/15**

DATE: 12/15  
DATE: 12/15  
DATE: 12/15  
DATE: 12/15

REVISION - DESCRIPTION

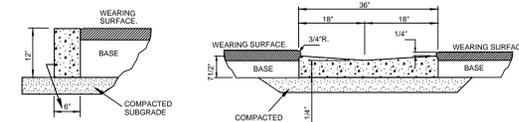
FL Professional License Engineer 72415

CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE-CALL OF FLORIDA, INC. FOR LOCATION OF ALL UTILITIES TWO COMPLETE BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION.

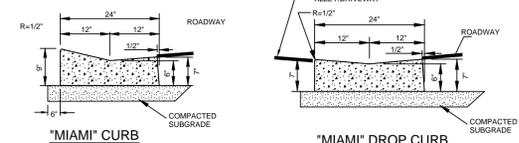
Know what's below. Call before you dig. **811** www.callsunshine.com

**GIACOMO S. LICARI, P.E.**  
6214 IMPERIAL KEY TAMP, FL 33615  
P.E. # 72415

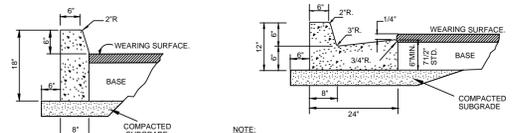
Sheet No. **C-9**



CONCRETE HEADER CURB VALLEY CURB



"MIAMI" CURB "MIAMI" DROP CURB (AT DRIVEWAYS AND ALLEYS)



FDOT TYPE "D" CONCRETE CURB FDOT TYPE "F" CONCRETE CURB AND GUTTER

- NOTES:
- ROADWAY SUBGRADE SHALL IN ALL CASES EXTEND 6" BEYOND CURBING.
  - SAW CUTS AT 10' CENTERS SHALL BE MADE WITHIN 24 HOURS OF CONCRETE PLACEMENT.
  - CONCRETE SHALL BE 3,000 P.S.I.
  - THE CONCRETE FOR CURBS SHALL BE DEPARTMENT OF TRANSPORTATION CLASS "C" CONCRETE, AND HAVE A COMPRESSIVE STRENGTH OF 2500 PSI.
  - ALL CURBS SHALL HAVE CONTRACTION JOINTS AND SHALL BE CONSTRUCTED AT INTERVALS NOT TO EXCEED 10'-0" ON CENTERS FOR ALL CURBS.

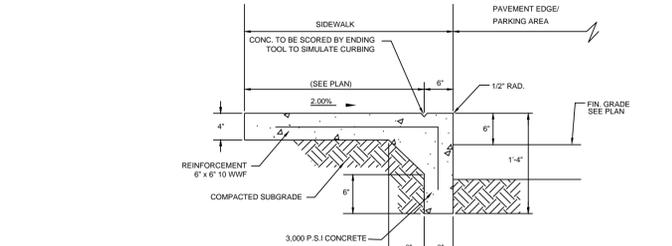
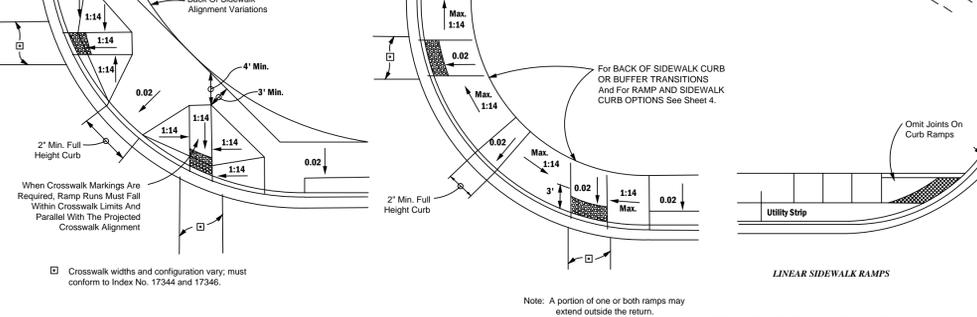
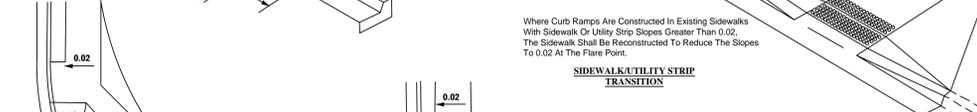
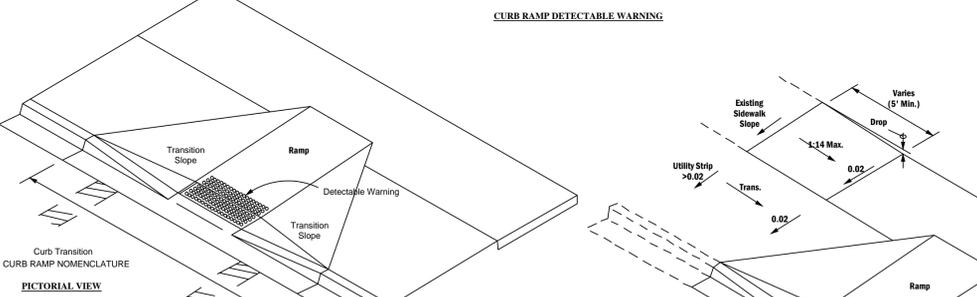
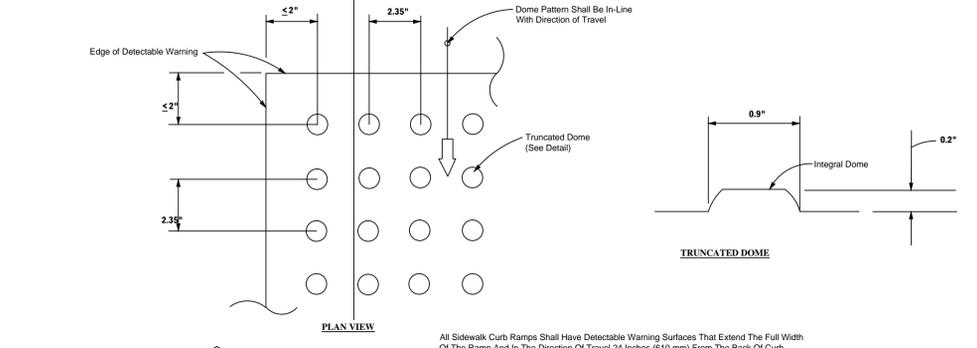


TABLE OF SIDEWALK JOINTS

TYPE	LOCATION
"A"	P.C. AND P.T. OF CURVES, JUNCTION OF EXISTING AND NEW SIDEWALKS AND EVERY 50' FOR 5' WIDE
"B"	WIDTH OF SIDEWALK CENTER TO CENTER ON SIDEWALKS SCORED DURING PLACEMENT OR SAWCUT WITHIN 24 HOURS OF PLACEMENT.
"A"	WHERE SIDEWALK ABUTS CONCRETE CURBS, DRIVEWAYS, AND SIMILAR STRUCTURES.

TABLE OF SIDEWALK THICKNESS - "T"

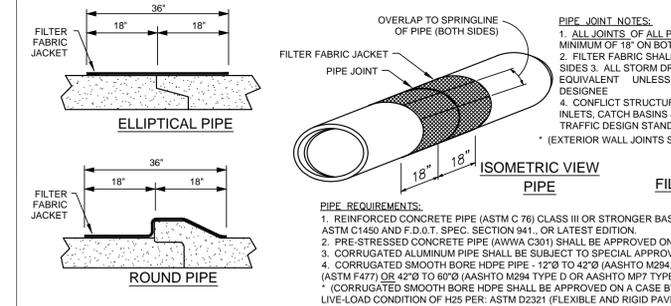
WITHIN 1/2' OF CROSS-STREETS, AT DRIVEWAYS & OTHER AREAS	4"
--	----



ALL DETECTABLE WARNING SURFACE ON-SITE SHALL BE TRUNCATED DOME PAVERS

DETAIL-1 CURB AND GUTTER

SCALE: N.T.S.



PIPE JOINT NOTES:

- ALL JOINTS OF ALL PIPE SHALL BE WRAPPED WITH FILTER FABRIC WHICH SHALL EXTEND A MINIMUM OF 18" ON BOTH SIDES OF JOINT (FILTER FABRIC PER F.D.O.T. INDEX 199 D-3)
- FILTER FABRIC SHALL OVERLAP ON TOP OF PIPE DOWN TO SPRING LINE OF PIPE ON BOTH SIDES
- ALL STORM DRAINAGE PIPE SHALL BE 15" MIN. DIAMETER R.C.P. OR ITS HYDRAULIC EQUIVALENT UNLESS APPROVED OTHERWISE IN WRITING BY COUNTY MANAGER OR HIS DESIGNEE
- CONFLICT STRUCTURES SHALL BE APPROVED ON A CASE BY CASE BASIS. ALL STORM INLETS, CATCH BASINS & MANHOLES SHALL BE PRECAST CONCRETE SEE F.D.O.T. ROAD & TRAFFIC DESIGN STANDARDS (LATEST EDITION)

\* (EXTERIOR WALL JOINTS SHALL BE WRAPPED WITH CON-WRAP, E-Z WRAP OR APPROVED EQUAL)

PIPE REQUIREMENTS:

- REINFORCED CONCRETE PIPE (ASTM C 76) CLASS III OR STRONGER BASED ON "D" LOAD, OR FRCP (FIBER-MIX) CONCRETE PIPE, PER: ASTM C1450 AND F.D.O.T. SPEC. SECTION 941, OR LATEST EDITION.
- PRE-STRESSED CONCRETE PIPE (AWWA C301) SHALL BE APPROVED ON A CASE BY CASE BASIS
- CORRUGATED ALUMINUM PIPE SHALL BE SUBJECT TO SPECIAL APPROVAL BY COUNTY MANAGER OR DESIGNEE
- CORRUGATED SMOOTH BORE HDPE PIPE - 12" TO 42" (AASHTO M294, TYPE S) INTEGRALLY MOLDED RUBBER GASKETED, BELL & SPIGOT (ASTM F477) OR 42" TO 60" (AASHTO M294 TYPE D OR AASHTO MP7 TYPE D), WELDED-ON RUBBER GASKETED, BELL & SPIGOT (ASTM F477).

GENERAL NOTES:

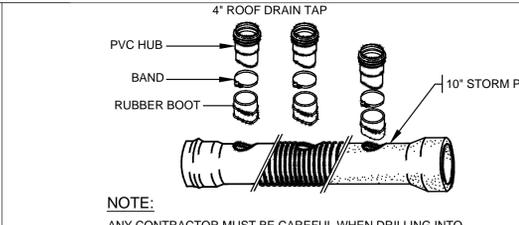
- ALL PAVEMENT MARKINGS AND TRAFFIC CONTROLS SHALL COMPLY WITH THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (M.U.T.C.D.), LATEST EDITION AS PUBLISHED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION (F.D.O.T.)
- HANDICAP RAMPS SHALL COMPLY WITH THE "AMERICANS WITH DISABILITIES ACT" OF 1992
- ALL PAVING AND DRAINAGE STRUCTURES (INCLUDING CURBING) SHALL COMPLY WITH F.D.O.T. "STANDARDS FOR ROAD AND BRIDGE CONSTRUCTION," LATEST EDITION.
- RECORDINGS FROM CLOSED CIRCUIT TELEVISION INSPECTIONS CONDUCTED BY A CONTRACT TV INSPECTOR EMPLOYED BY THE DEVELOPER SHALL BE PROVIDED TO THE COUNTY ON A DVD AND INCLUDE A WRITTEN REPORT CORRESPONDING TO THE DVD RESULTS. A POST CLOSED CIRCUIT TELEVISION INSPECTION SHALL BE REQUIRED BY THE DEVELOPER PRIOR TO THE EXPIRATION OF THE MAINTENANCE BOND.

DETAIL-3 CONCRETE PIPE JOINT AND FILTER FABRIC JACKET DETAILS

SCALE: N.T.S.

DETAIL-2 SIDEWALKS DETAILS

SCALE: N.T.S.

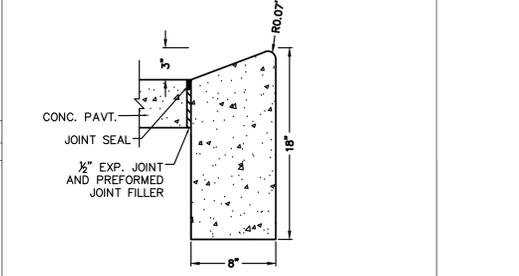


DETAIL 5 INSERT-A-TEE DETAIL

SCALE: N.T.S.

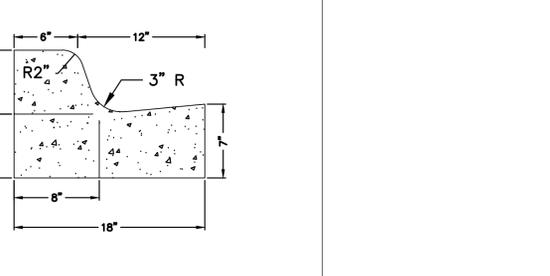
DETAIL-6 HANDICAP CURB RAMP DETAILS

SCALE: N.T.S.



DETAIL 7 CURB DETAIL TYPE B1

SCALE: N.T.S.



WAWA TYPE F1 CURB

DETAIL 8 CURB DETAIL TYPE F1

SCALE: N.T.S.

Scale: N/A

Start Date: DECEMBER 2015

Job No. 02022

File: GEN. DETAIL

THE DESIGN AND DETAILS INCORPORATED HEREIN AS THE PROPERTY OF PEGASUS FINANCIAL, LLC ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN AUTHORIZATION FROM PEGASUS FINANCIAL, LLC. ALL RIGHTS ARE RESERVED. © 2015

Activity	Name	Date
Designed by:	GL	12/15
Drawn by:	GL	12/15
Checked by:	GL	12/15
Approved by:	GL	12/15

DESIGNED FOR: PEGASUS FINANCIAL, LLC

PROJECT NAME: WAWA S.R. 54, 28225 STATE ROAD 54, WESLEY CHAPEL, PASCO COUNTY, FLORIDA

SHEET NAME: GENERAL DETAILS SHEET

DESIGNED BY: GIACOMO S. LICARI, P.E.  
 FL P.E. # 72415  
 NOT VALID UNLESS SIGNED AND SEALED BY A REGISTERED ENGINEER

CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE-CALL OF FLORIDA, INC. FOR LOCATION OF ALL UTILITIES TWO COMPLETE BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION.



GIACOMO S. LICARI, P.E.  
 6214 IMPERIAL KEY  
 TAMPA, FL 33615  
 P.E. # 72415

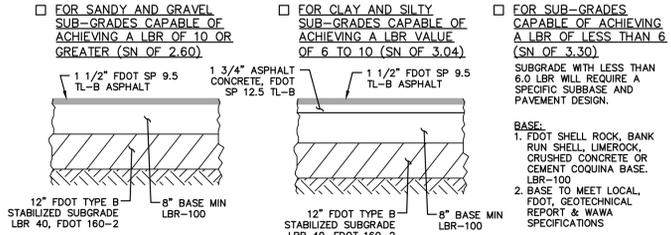
Sheet No.

C-9A

REV. JULY 26, 2012

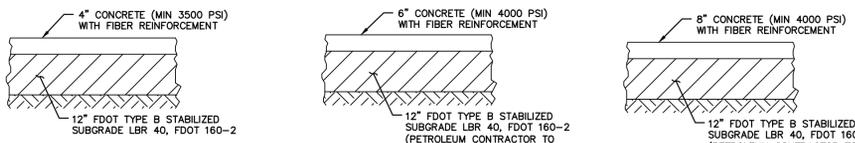
REV. FEBRUARY 7, 2014

STANDARD DUTY ASPHALT PAVEMENT OPTIONS: SELECT ONE. TO BE DETERMINED BY SITE GEOTECHNICAL ENGINEER



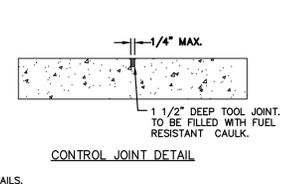
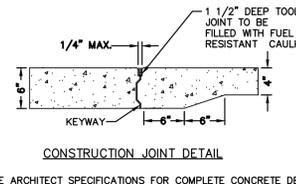
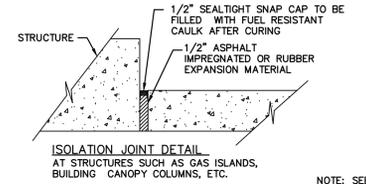
NOTE: TO BE CONSTRUCTED PER FDOT SPECIFICATIONS (SECTIONS 330, 351, 200, & 160), GEOTECHNICAL ENGINEERING REPORT, AND WAWA SPECIFICATIONS

STANDARD DUTY ASPHALT PAVEMENT TYPICAL CROSS SECTION

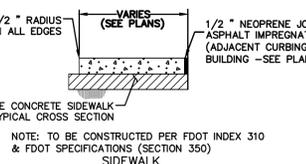
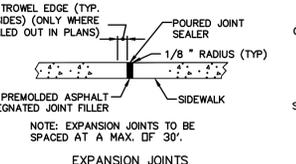
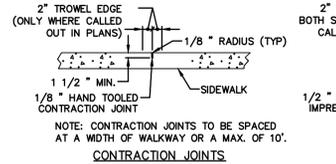


NOTE: TO BE CONSTRUCTED PER FDOT SPECIFICATIONS (SECTIONS 350) AND GEOTECHNICAL ENGINEERING REPORT

CONCRETE SIDEWALK TYPICAL CROSS SECTION

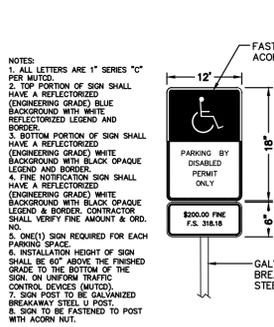
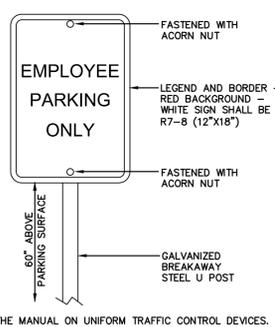
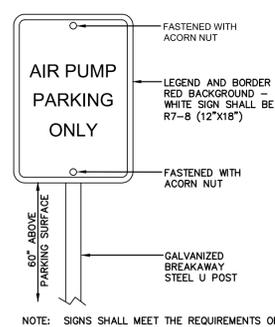


CONCRETE JOINT DETAILS



SIDEWALK DETAILS

WAWA SIGNAGE/STRIPING DETAILS

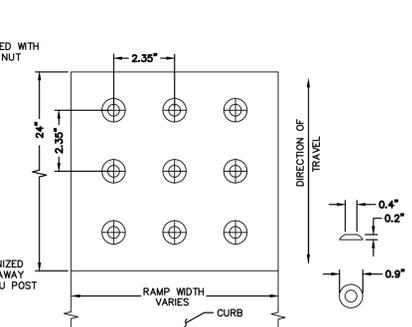


NOTES: 1. ALL LETTERS ARE 1" SERIES "O" PER MUTCO. 2. TOP PORTION OF SIGN SHALL HAVE A REFLECTORIZED (ENGINEERING GRADE) BLUE BACKGROUND WITH WHITE REFLECTORIZED LEGEND AND BORDER. 3. BOTTOM PORTION OF SIGN SHALL HAVE A REFLECTORIZED (ENGINEERING GRADE) WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER. CONTRACTOR SHALL VERIFY FINE AMOUNT & ORD. NO. 4. ONE(1) SIGN REQUIRED FOR EACH PARKING SPACE. 5. INSTALLATION HEIGHT OF SIGN SHALL BE 60" ABOVE THE FINISHED GRADE TO THE BOTTOM OF THE SIGN ON UNIFORM TRAFFIC CONTROL DEVICES (OUTLET). 6. SIGN POST TO BE GALVANIZED BREAKAWAY STEEL U POST. 7. SIGN TO BE FASTENED TO POST WITH ACORN NUT.

AIR PARKING SIGN

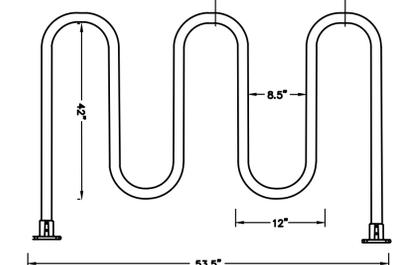
EMPLOYEE PARKING SIGN

HANDICAP PARKING SIGN



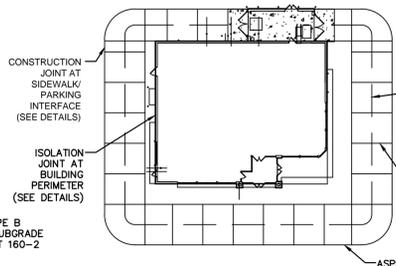
ADA DETECTABLE CURB WARNING DETAIL

REV. OCTOBER 27, 2014

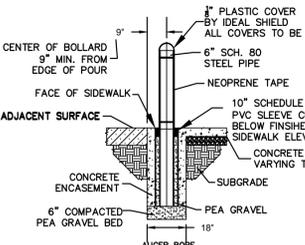


MADE OF ROLLED ALUMINUM: 1 1/2" SCHEDULE 40 ALUMINUM WITH 1 7/8" O.D. STANDARD LENGTHS: 60" SECTION FITS UP TO 5 BIKES STANDARD HEIGHT: 46" INSTALLATION OPTIONS: SURFACE MOUNT STANDARD CLEAR ANODIZED FINISHING OPTIONS: MANUFACTURED BY: IDEAL SHIELD 2525 CLARK ST DETROIT, MI 48209 PHONE: 1-866-825-8659

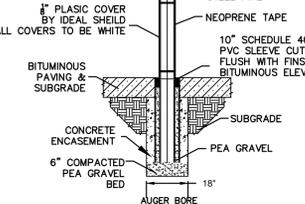
STANDARD BICYCLE RACK DETAIL



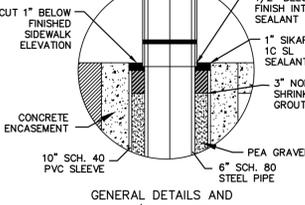
JOINT LAYOUT DETAIL



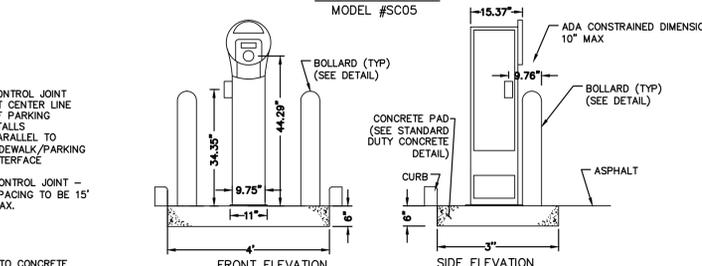
CONCRETE AREAS



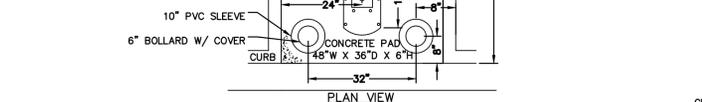
BITUMINOUS AREAS



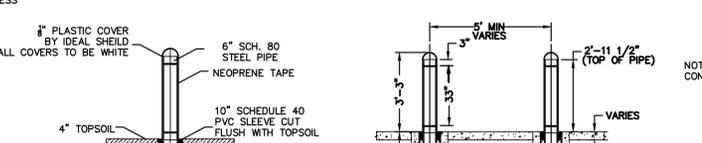
CAULK/GROUT DETAIL FOR CONCRETE AREAS



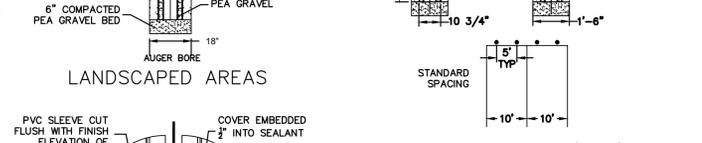
EXCEL AIR MACHINE MODEL #SC05



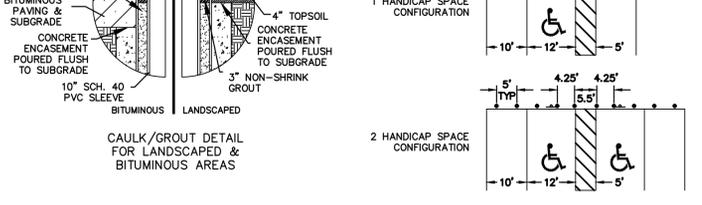
AIR PUMP STAND



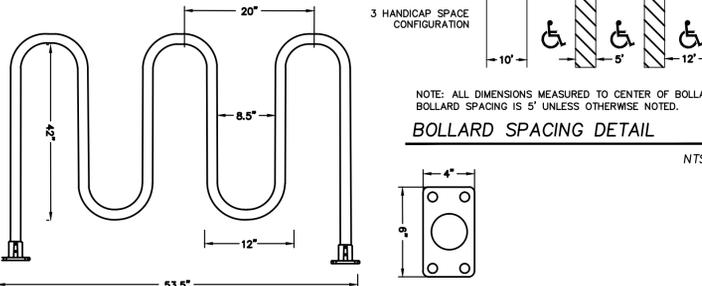
LANDSCAPED AREAS



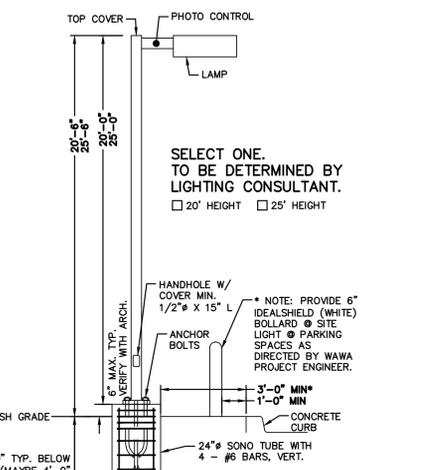
BOLLARD DETAIL



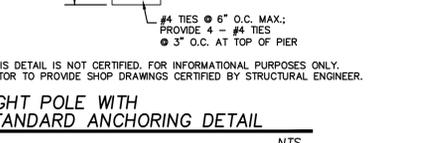
BOLLARD SPACING DETAIL



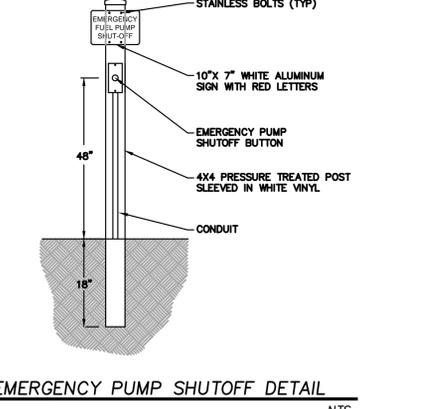
STANDARD BICYCLE RACK DETAIL



LIGHT POLE WITH STANDARD ANCHORING DETAIL

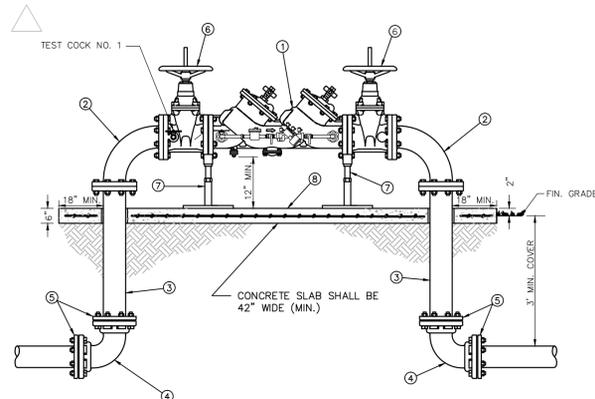


EMERGENCY PUMP SHUTOFF DETAIL



HANDICAP STRIPING DETAIL

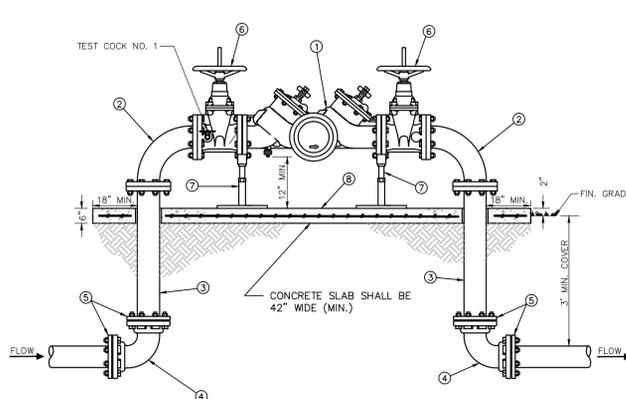
Table with project information including Designer (PEGASUS FINANCIAL, LLC), Project Name (WAWA S.R. 54), Sheet Name (GENERAL DETAILS SHEET), and other metadata.



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 PE. 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 TIIE 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 RESTRAINTERS 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.

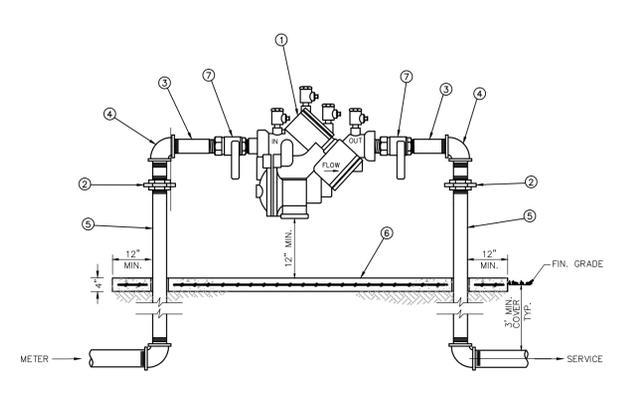
CREATED 02/24/03  
 REVISED \_\_\_\_\_  
**DOUBLE DETECTOR CHECK VALVE ASSEMBLY/BACKFLOW PREVENTER (SINGLE SERVICE: 3", 4", 6", 8", 10")**  
 PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL.  
 PASCO COUNTY UTILITIES **DETAIL 10**



ITEM	QUANT.	DESCRIPTION
1	1	3", 4", 6", 8" BFP, REDUCED PRESSURE PRINCIPLE WITH DETECTOR ASSEMBLY
2	2	3", 4", 6", 8" BEND, 90° FLANGE x FLANGE
3	2	3", 4", 6", 8" SPOOL PIECE FLG. x PE. 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)

- NOTE:
- NO TIIE 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 RESTRAINTERS 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.

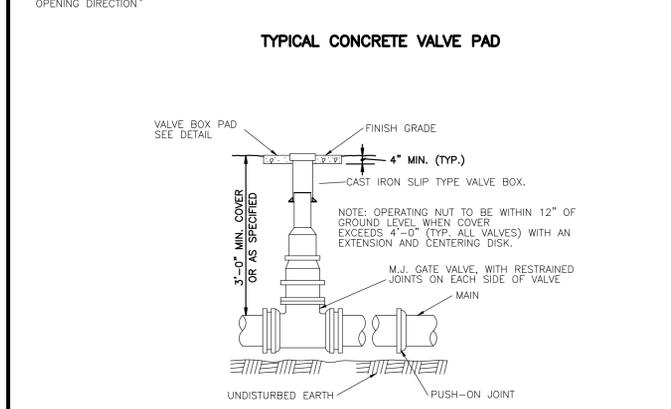
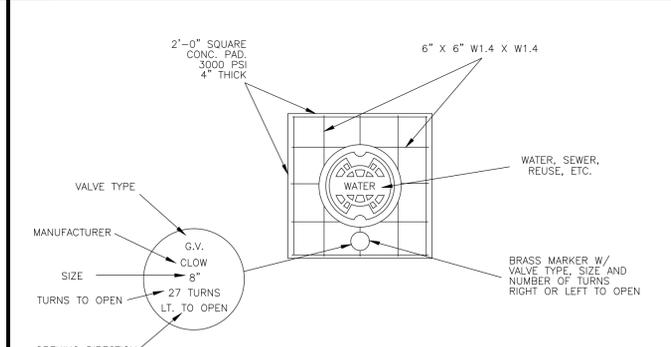
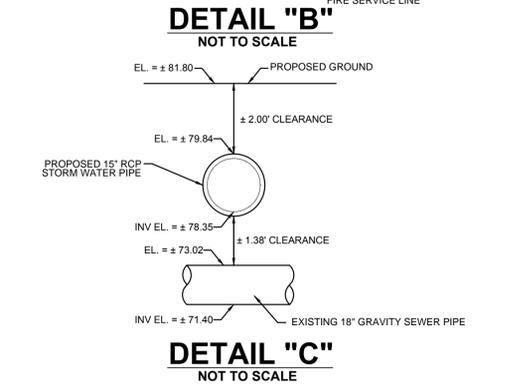
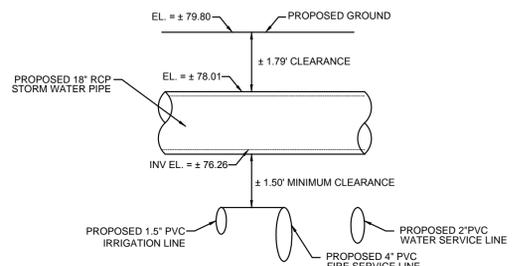
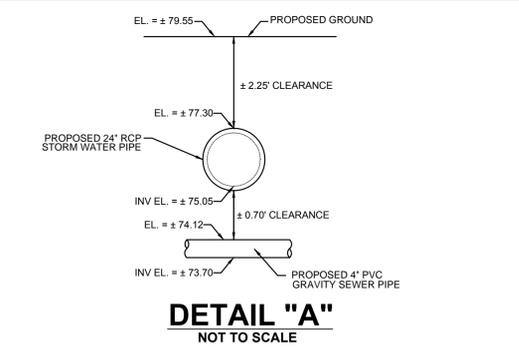
CREATED 02/24/03  
 REVISED \_\_\_\_\_  
**REDUCED PRESSURE BACKFLOW PREVENTER (SINGLE SERVICE: 3", 4", 6", 8")**  
 PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL.  
 PASCO COUNTY UTILITIES **DETAIL 11**



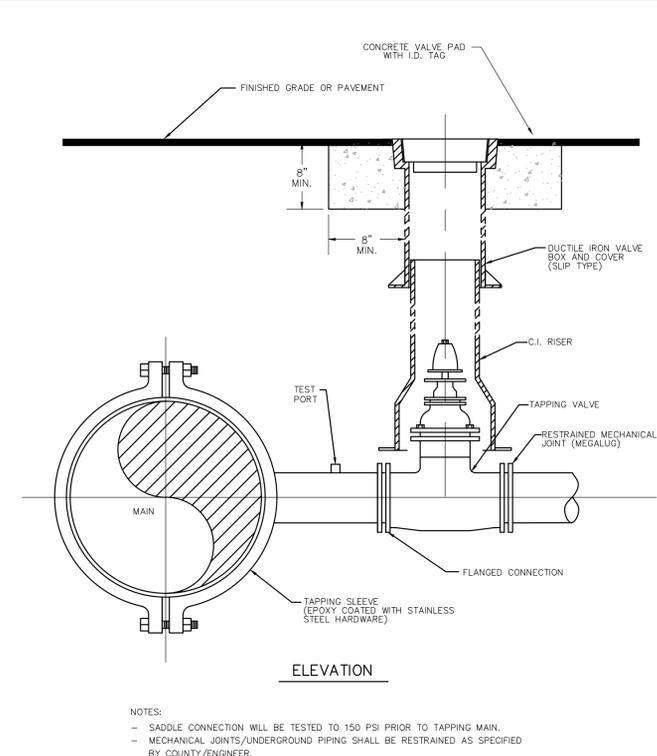
ITEM	QUANT.	DESCRIPTION
1	1	BACKFLOW PREVENTER ASSEMBLY, REDUCED PRESSURE ZONE
2	2	UNIONS - GALV.
3	2	NIPPLES - BRASS
4	2	ELBOWS - GALV. 90°
5	2	RISER - GALV.
6	1	CONCRETE SLAB
7	2	BALL VALVES - BRASS OR S.S. (PROVIDED WITH BFP ASS'Y)

- 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  
 REVISED \_\_\_\_\_  
**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 12**



CREATED 02/24/03  
 REVISED \_\_\_\_\_  
**VALVE BOX DETAIL SLIP TYPE**  
 PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL.  
 PASCO COUNTY UTILITIES **DETAIL 30**



CREATED 02/24/03  
 REVISED \_\_\_\_\_  
**WATER, REUSE, AND FORCE MAIN TAPPING DETAIL W/ VALVE LOCATION**  
 PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL.  
 PASCO COUNTY UTILITIES **DETAIL 37**

**PIPE RESTRAINT LENGTHS IN FEET COMMON FITTINGS**

PIPE SIZE	WATER MAINS - TEST PRESSURE 150 PSI				
	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'

PIPE SIZE	FORCE MAINS - TEST PRESSURE 100 PSI				
	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  
 REVISED \_\_\_\_\_  
**RESTRAINED JOINT TABLE COMMON FITTINGS**  
 PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN PCU APPROVAL.  
 PASCO COUNTY UTILITIES **DETAIL 31**

Scale:	NTS
Start Date:	DECEMBER 2015
Job No.:	02022
File:	UTIL - DET.
Author:	UTL - DET.
Checked by:	
Approved by:	
Date:	
Revision - Description:	
No.	

DESIGNED FOR: **PEGASUS FINANCIAL, LLC**  
 PROJECT NAME: **WAWA S.R. 54**  
 28225 STATE ROAD 54, WESLEY CHAPEL, PASCO COUNTY, FLORIDA  
 SHEET NAME: **PASCO COUNTY UTILITIES DETAILS**

GIACOMO S. LICARI, P.E.  
 F.L.P.E. #72415  
 NOT VALID FOR REGISTERED ENGINEER

CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE-CALL OF FLORIDA, INC. FOR LOCATION OF ALL UTILITIES TWO COMPLETE BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION.  
 Know what's below. Call before you dig.  
 www.callsunshine.com

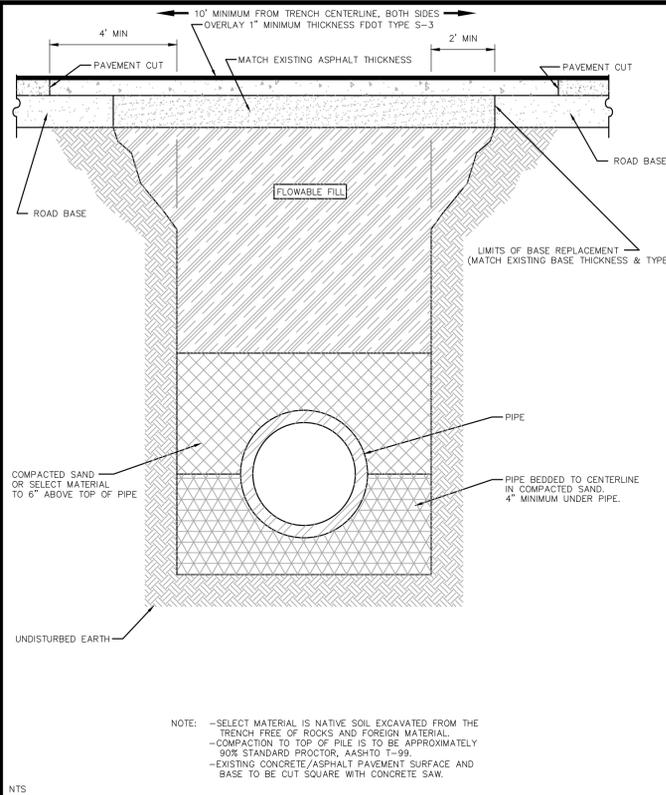
GIACOMO S. LICARI, P.E.  
 6214 IMPERIAL KEY TAMP, FL 33615  
 P.E. # 72415

Sheet No.

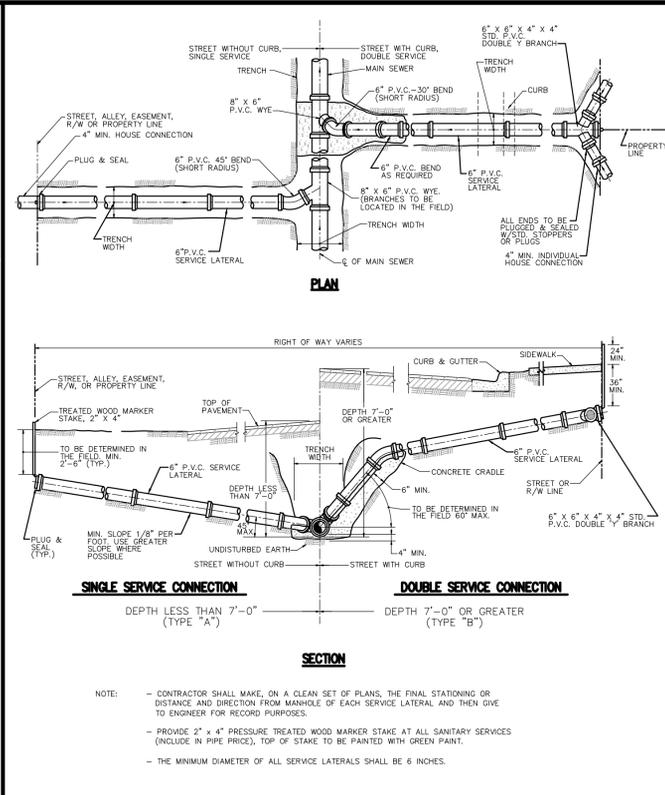
# PIPE RESTRAINT LENGTHS IN FEET TEES (BRANCH SIDE)

		WATER MAINS - TEST PRESSURE 150 PSI								
		BRANCH SIZE								
RUN 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'	—

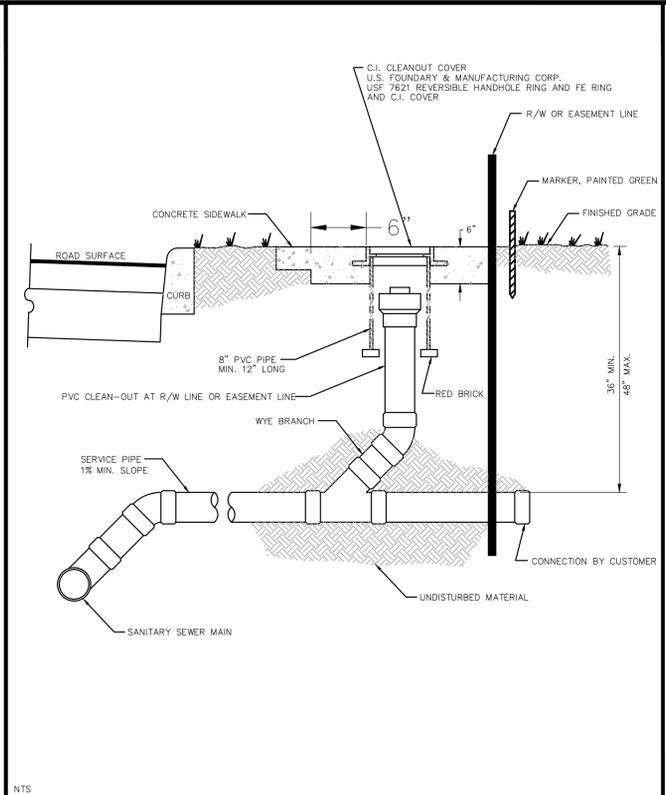
RESTRAINT LENGTHS ARE MEASURED FROM THE CENTER LINE OF THE TEE ALONG THE BRANCH FOR THE DISTANCE INDICATED. A MINIMUM OF 5 FEET OF RESTRAINED PIPE MUST BE INSTALLED ON BOTH RUNS OF THE TEE. MEGALUG TYPE RESTRAINERS ARE REQUIRED ON ALL JOINTS.



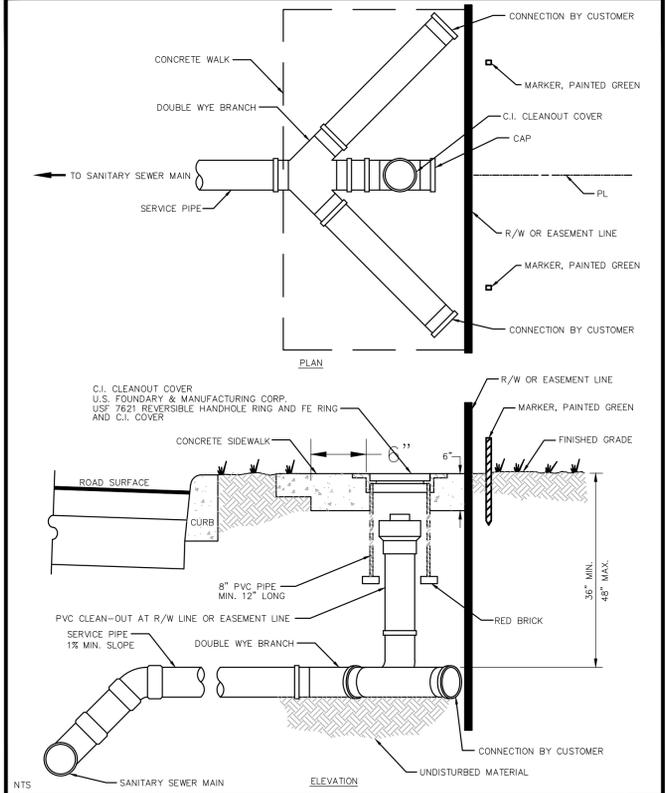
**CREATED** 02/24/03  
**REVISED** \_\_\_\_\_  
RESTRAINED JOINT TABLE  
TEES (BRANCH SIDE)  
PASCO COUNTY UTILITIES  
**DETAIL 32**



**CREATED** 03/06/03  
**REVISED** \_\_\_\_\_  
PIPE LAYING CONDITIONS  
FLOWABLE FILL BACKFILL  
STANDARD EXISTING PAVED AREAS & ROADWAYS  
PASCO COUNTY UTILITIES  
**DETAIL 36**

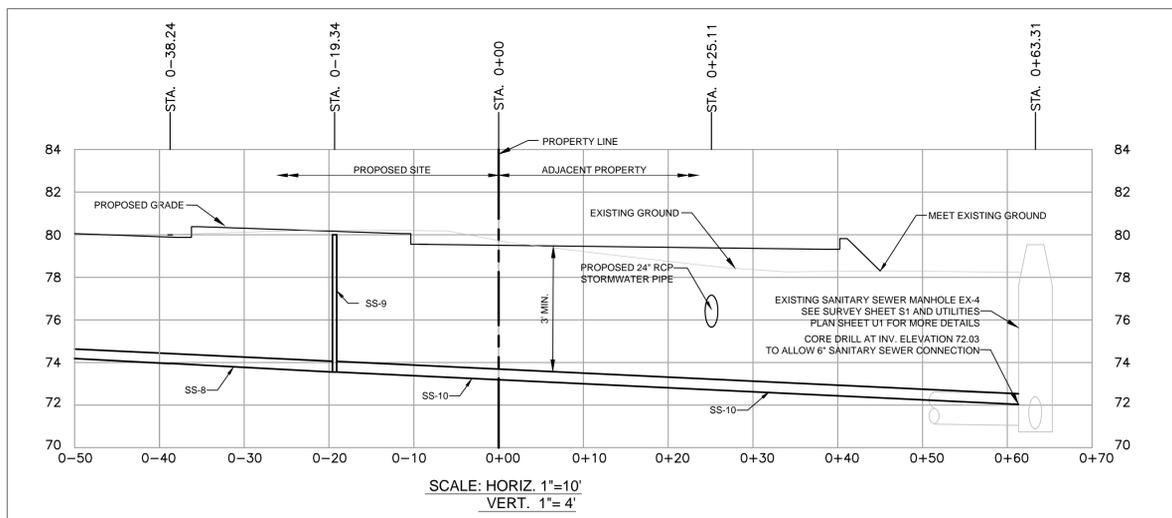
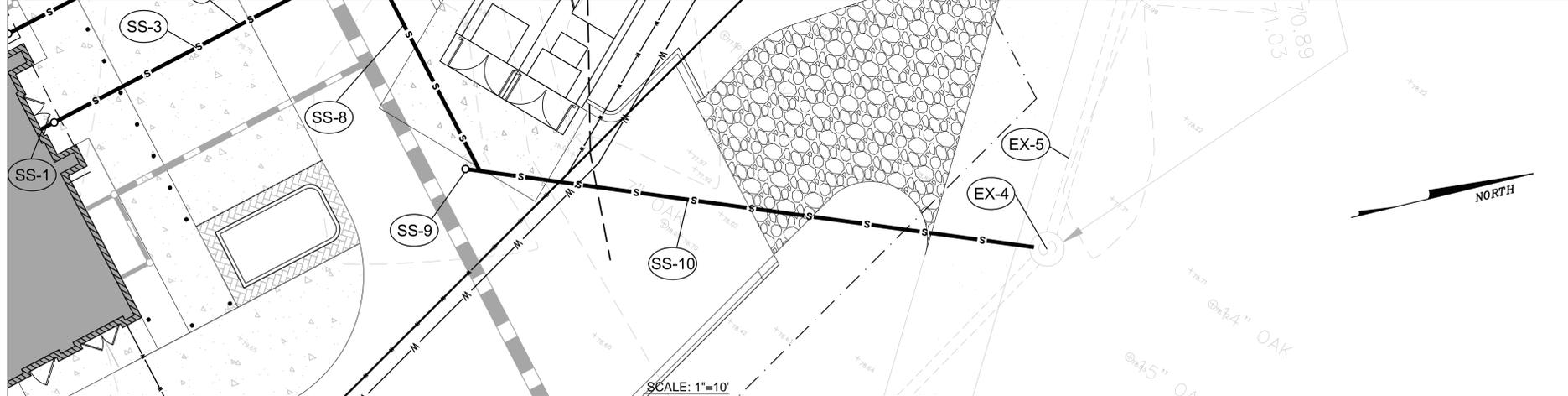


**CREATED** 02/24/03  
**REVISED** \_\_\_\_\_  
SEWER LATERAL  
CONNECTION  
PASCO COUNTY UTILITIES  
**DETAIL 44**



**CREATED** 02/24/03  
**REVISED** \_\_\_\_\_  
SANITARY SEWER - SINGLE WYE CONNECTION  
AND TYPICAL CLEAN-OUT  
PASCO COUNTY UTILITIES  
**DETAIL 45**

**CREATED** 02/24/03  
**REVISED** \_\_\_\_\_  
SANITARY SEWER - DOUBLE WYE CONNECTION  
AND TYPICAL CLEAN-OUT  
PASCO COUNTY UTILITIES  
**DETAIL 46**



## SANITARY SEWER SCHEDULE

- SS-1 4" TWO-WAYS CLEANOUT. SEE ARCH. PLANS FOR CONTINUATION. TOP EL. = 80.30 SE. INV. EL. = 77.00 NW. INV. EL. = 74.55
- SS-2 51 L.F. - 4" PVC GRAVITY SEWER @ 2.00% MIN.
- SS-3 30 L.F. - 4" PVC GRAVITY SEWER @ 2.00% MIN.
- SS-4 4" TWO-WAYS CLEANOUT. TOP EL. = 80.30 INV. EL. = 76.40
- SS-5 1,500 GAL GREASE TRAP WITH SAMPLING STATION SEE ARCH. PLANS FOR DETAILS. TOP EL. = 80.00 INV. EL. = 70.30
- SS-6 16 L.F. - 4" PVC GRAVITY SEWER @ 2.00% MIN.
- SS-7 4" TWO-WAYS CLEANOUT. TOP EL. = 79.80 INV. EL. = 73.55
- SS-8 68 L.F. - 6" PVC GRAVITY SEWER @ 1.00% MIN.
- SS-9 6" TWO-WAYS CLEANOUT. TOP EL. = 80.00 INV. EL. = 72.85
- SS-10 81 L.F. - 6" PVC GRAVITY SEWER @ 1.00% MIN.

Scale: NTS	Start Date: DECEMBER 2015
Job No. C0202	File: UTIL DET.
Activity	Date
Designed by: GL	12/15
Drawn by: GL	12/15
Checked by: GL	12/15
Approved by: GL	12/15
FL Professional License Engineer 72415	

DESIGNED FOR:  
**PEGASUS FINANCIAL, LLC**  
PROJECT NAME:  
**WAWA S.R. 54**  
28225 STATE ROAD 54, WESLEY CHAPEL,  
PASCO COUNTY, FLORIDA

SHEET NO. 10  
**GIACOMO S. LICARI, P.E.**  
FL P.E. #72415  
NOT A REGISTERED ENGINEER

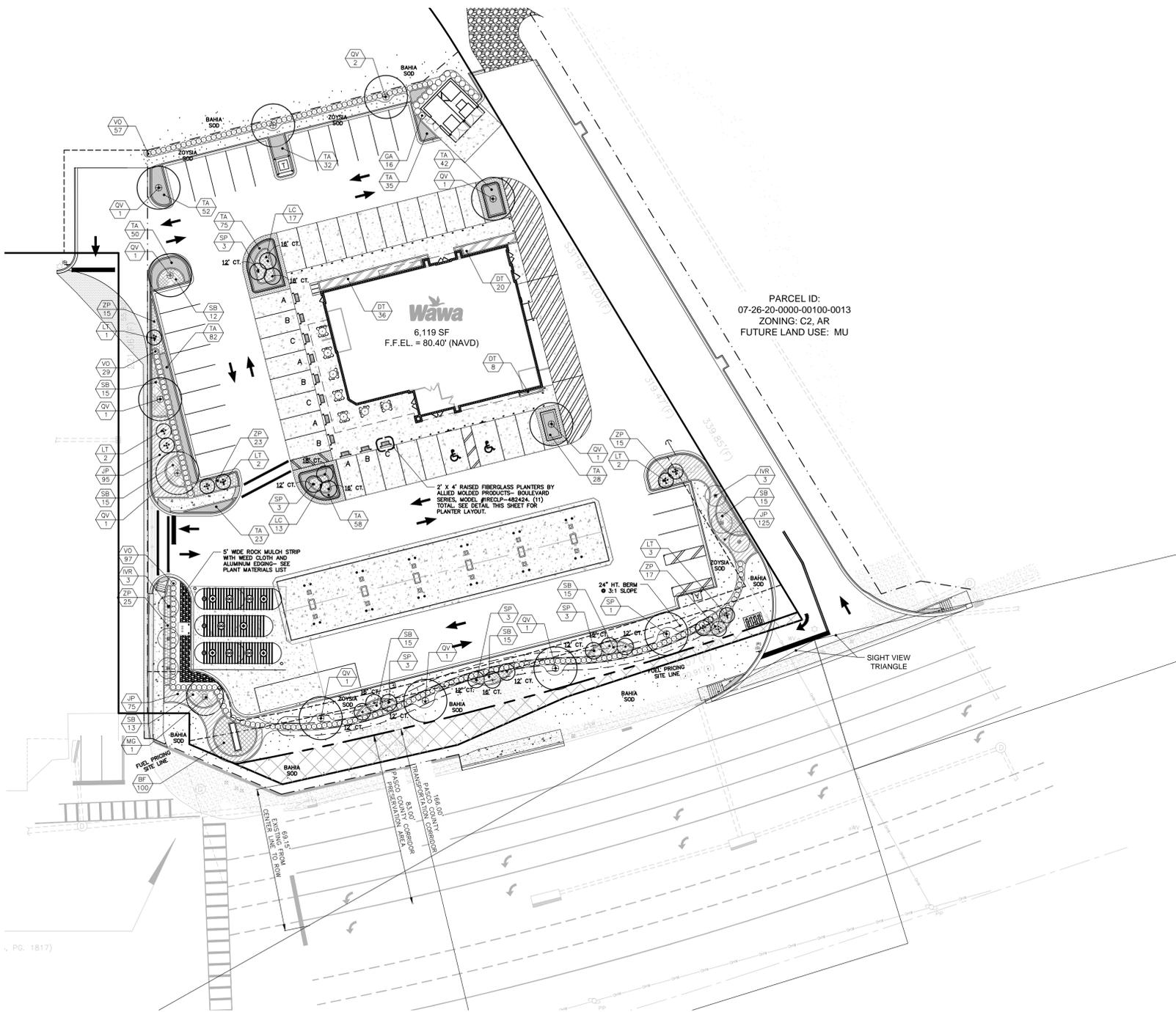
CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE-CALL OF FLORIDA, INC. FOR LOCATION OF ALL UTILITIES TWO COMPLETE BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION.

**811** Know what's below. Call before you dig.  
www.callsunshine.com

**GIACOMO S. LICARI, P.E.**  
6214 IMPERIAL KEY  
TAMPA, FL 33615  
P.E. # 72415

Sheet No.

**C-10A**



PARCEL ID:  
07-26-20-0000-00100-0013  
ZONING: C2, AR  
FUTURE LAND USE: MU

**GENERAL LANDSCAPE REQUIREMENTS**

**SPECIFIC PLANTING REQUIREMENTS:**  
 MAXIMUM 50% OF PLANT MATERIAL MAY BE NON-DROUGHT TOLERANT.  
 MINIMUM 30% OF PLANT MATERIAL SHALL BE NATIVE.  
 NO MORE THAN 30% OF REQUIRED LANDSCAPE AREA SHALL BE GRASSED.  
 TOTAL PERVIOUS AREA = 22,690 SF  
 MAXIMUM GRASS ALLOWABLE = 6,807 SF

**VEHICULAR USE AREA LANDSCAPING:**  
 MINIMUM 10% OF THE VEHICULAR USE AREA SHALL BE INTERNAL LANDSCAPING.  
 41,383 SF VUA X 10% = 4,138 SF  
 MINIMUM 1 SHADE TREE PER 200 SF OF REQUIRED LANDSCAPE AREA

4,138 SF / 200 = 21 SHADE TREES REQUIRED  
 21 SHADE TREES PROVIDED

MINIMUM 1 TREE PER 10 PARKING SPACES  
 51 SPACES = 5 TREES REQUIRED  
 5 TREES PROVIDED

**STATE ROAD 54:**  
 20' WIDE LANDSCAPE STRIP - BUFFER TYPE 'C'  
 2 STAGGERED ROWS OF TREES PER 60' L.F. & CONTINUOUS HEDGE REQUIRED.

349 L.F. / 30 = 12 TREES REQUIRED  
 12 TREES PROVIDED

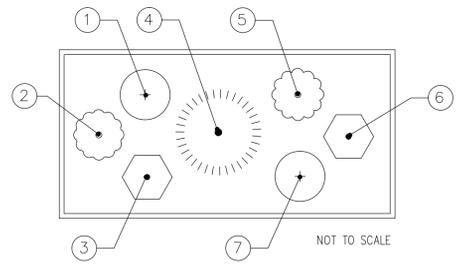
**LANDSCAPE PLANT MATERIALS**

QTY.	SYM.	BOTANICAL / COMMON NAME	SPECIFICATIONS	NATIVE	DROUGHT TOLERANT
<b>TREES/ PALMS</b>					
6	IVN	ILEX VOMITORIA / SCHILLING'S HOLLY	30 GAL., 2" CALIPER, 10' HT. X 2'-3" SPD., MULTI-TRUNK	YES	YES
10	LT	LAGERSTROEMIA INDICA / TUSCARORA GRAPE MYRTLE (RED)	30 GAL., 2" CALIPER, 10' HT. X 2'-3" SPD., MULTI-TRUNK	NO	YES
1	MG	MAGNOLIA GRANDIFLORA / BRACKEN'S BROWN BEAUTY MAGNOLIA	65 GAL., 3" CALIPER, 12' HT. X 5'-8" SPD. MIN.	YES	YES
12	QV	QUERCUS VIRGINIANA / OYIA / HIGHRISE OAK	65 GAL., 3" CALIPER, 12' HT. X 7'-8" SPD. MIN.	YES	YES
15	SP	SABAL PALMETTO / SABAL PALM	FIELDGROWN, 12'-18" CLEAR TRUNK HT., SEE PLAN FOR HTS.	YES	YES
<b>SHRUBS/ GROUNDCOVERS</b>					
64	DT	DIANELLA TASMANICA / BLUEBERRY FLAX LILY	1 GAL., MIN. 12" HT., FULL, 30" O.C.	NO	YES
16	GA	GALPHIMIA GLAUCA / THYRALLIS	10 GAL., MIN. 36" HT. X 18" SPD., 36" O.C.	YES	YES
295	JP	JUNIPERUS CHINENSIS / BLUE PACIFIC JUNIPER	1 GAL., MIN. 6" HT. X 12" SPD., 24" O.C.	NO	YES
30	LC	LOROPETALUM CHINENSIS / RUBRUM / DWARF RUBY LOROPETALUM	7 GAL., MIN. 30" HT. X 18" SPD., 30" O.C.	NO	NO
100	SB	SPARTINA BAKERI / SAND CORNCRASS	3 GAL., MIN. 24"-30" HT. X 18" SPD., 36" O.C.	YES	YES
410	TA	TRACHELOSPERMUM ASIATICUM / ASIAN JASMINE	1 GAL., MIN. 6" HT. X 18" SPD., 18" O.C.	NO	YES
183	VO	VIOLINUM OBOVATUM / WALTER'S VIOLINUM	7 GAL., MIN. 30" HT. X 18" SPD., 30" O.C.	YES	YES
82	ZP	ZAMIA PUMILA / COONITE FERN	1 GAL., MIN. 6" HT. X 12" SPD., 24" O.C.	YES	YES
<b>PERENNIALS/ ANNUALS</b>					
		SEASONAL VARIETIES- SEE PLANTER LAYOUT DETAIL THIS SHEET	1 GAL., FULL, SPACING AS SHOWN		
<b>SOD/ MULCH</b>					
	SOD	ZOYSIA JAPONICA 'EMPIRE' / 'EMPIRE' ZOYSIA GRASS	S.F. DETERMINED BY CONTRACTOR, SEE PLAN FOR LOCATIONS		
	SOD	PASPALUM NOTATUM / ARGENTINE BAHIA GRASS	S.F. DETERMINED BY CONTRACTOR, B-D-W & RETENTION AREAS ONLY- SEE PLAN FOR LOCATIONS		
	MULCH	DOUBLE-GROUND HARDWOOD MULCH- BROWN COLOR	3" THICK IN ALL PLANTING AREAS		
	ROCK	1 1/2" - 3" DIA. BROWN RIVER ROCK WITH COMMERCIAL GRADE WEED CLOTH AND PERMALOC ALUMINUM EDGING- MILL FINISH	3" THICK IN ROCK MULCH STRIP		

**LANDSCAPE GENERAL NOTES:**

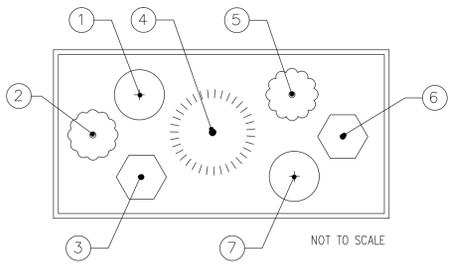
- ALL TOPSOIL SHALL BE A MINIMUM 4" IN ALL SOD AREAS AND 8" IN TREE, SHRUB AND GROUND COVER BEDS, INCLUDING PARKING LOT ISLAND BEDS. IT SHALL BE APPROVED BY A WAWA CONSTRUCTION REPRESENTATIVE PRIOR TO INSTALLATION.
- PLANTING BEHIND PERPENDICULAR PARKING IS TO BE LOCATED A MINIMUM OF 5' BEHIND THE CURB LINE.
- ALL LANDSCAPE PLANTING AREAS AND LANDSCAPE PLANTERS IMMEDIATELY ADJACENT TO THE BUILDING ARE TO BE IRRIGATED BY 100% AUTOMATIC DRIP IRRIGATION SYSTEM. SEE IRRIGATION PLAN FOR LOCATIONS.
- LANDSCAPE CONTRACTOR WILL LOCATE ALL UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION AND PLANTING INSTALLATION.
- ALL PLANT MATERIAL INSTALLED SHALL MEET OR EXCEED "FLORIDA GRADE NO. 1" STANDARD OR BETTER QUALITY. ALL TREES SHALL HAVE A MINIMUM HEIGHT OF 6 FEET.
- ALL PLANTING CONTAINERS AND BASKETS SHALL BE REMOVED DURING PLANTING. ALL PLANTS SHALL BE SET PLUMB AND POSITIONED SO THAT THE TOP OF THE ROOT COLLAR MATCHES, OR IS NO MORE THAN TWO (2) INCHES ABOVE, FINISHED GRADE. REPLACE AMENDED BACKFILL IN 6-INCH LAYERS AND COMPACT BACKFILL TO ELIMINATE VOIDS. CONTRACTOR SHALL PROVIDE A FOUR-INCH HIGH EARTHEN WATERING SAUCER ALONG THE PERIMETER OF EACH PLANTING PIT. CONTRACTOR SHALL WATER NEWLY PLANTED VEGETATION PRIOR TO MULCHING PLANTING PIT. ALL VOIDS SHALL BE FILLED AND SETTLED MITIGATED AS REQUIRED.
- PLANT MATERIAL SHALL BE GUARANTEED FOR ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETENESS. THE CONTRACTOR SHALL REPLACE PLANTS, DEAD, UNHEALTHY, DYING OR DAMAGED THROUGH LOSS OF BRANCHES AND/OR FOLIAGE. LAWNS THAT ARE NOT IN GOOD CONDITION AT THE END OF THE GUARANTEE PERIOD SHALL BE REPAIRED UNTIL A GOOD LAWN RESULTS. IT IS UNDERSTOOD THAT THE OWNER SHALL ASSUME RESPONSIBILITY FOR WATERING ALL PLANT MATERIAL AND LAWN AREA BEGINNING WITH THE DATE OF SUBSTANTIAL COMPLETENESS.
- SITE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EXISTING AND IMPORTED LIMEROCK AND LIMEROCK BASE FROM ALL LANDSCAPE PLANTING AREAS TO A DEPTH OF 36". SITE CONTRACTOR IS RESPONSIBLE FOR BACKFILLING THESE PLANTING AREAS TO ROUGH FINISH GRADE WITH CLEAN TOPSOIL FROM AN ON-SITE SOURCE OR AN IMPORTED SOURCE.
- LANDSCAPE CONTRACTOR TO ARRANGE PRE-FINAL INSPECTION WITH LANDSCAPE ARCHITECT PRIOR TO FINAL INSPECTION WITH GOVERNING MUNICIPALITY. LANDSCAPE CONTRACTOR TO NOTIFY LANDSCAPE ARCHITECT A MINIMUM TWO (2) WEEKS PRIOR TO ARRANGING A PRE-FINAL INSPECTION.

NOTE: ALL PLANT MATERIAL TO BE MIN. 1 GALLON SIZE.



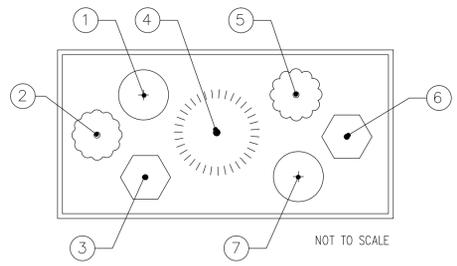
PLANTER LAYOUT "A"

- |                                       |                                       |
|---------------------------------------|---------------------------------------|
| WARM SEASON<br>NORTH/ CENTRAL FLORIDA | COOL SEASON<br>NORTH/ CENTRAL FLORIDA |
| 1. YELLOW TALL MARGOLD                | 1. ORANGE TALL SNAPDRAGON             |
| 2. PINK PORTULACA                     | 2. YELLOW PANSY                       |
| 3. ORANGE ZINNIA                      | 3. WHITE ALYSSUM                      |
| 4. DWARF WHITE FOUNTAIN GRASS         | 4. DWARF WHITE FOUNTAIN GRASS         |
| 5. PINK PENTAS                        | 5. YELLOW CALENDULA                   |
| 6. ORANGE PLUME CELOSIA               | 6. PINK PETUNIA                       |
| 7. YELLOW DAHLBERG DAISY              | 7. PINK PANSY                         |



PLANTER LAYOUT "B"

- |                                       |                                       |
|---------------------------------------|---------------------------------------|
| WARM SEASON<br>NORTH/ CENTRAL FLORIDA | COOL SEASON<br>NORTH/ CENTRAL FLORIDA |
| 1. BLACK-EYED SUSAN                   | 1. PINK TALL SNAPDRAGON               |
| 2. PINK BEGONIA                       | 2. YELLOW CALENDULA                   |
| 3. RED SALVIA                         | 3. RED PANSY                          |
| 4. DWARF WHITE FOUNTAIN GRASS         | 4. DWARF WHITE FOUNTAIN GRASS         |
| 5. WHITE PENTAS                       | 5. YELLOW PANSY                       |
| 6. YELLOW PLUME CELOSIA               | 6. PINK PETUNIA                       |
| 7. PINK BEGONIA                       | 7. SHASTA DAISY                       |



PLANTER LAYOUT "C"

- |                                       |                                       |
|---------------------------------------|---------------------------------------|
| WARM SEASON<br>NORTH/ CENTRAL FLORIDA | COOL SEASON<br>NORTH/ CENTRAL FLORIDA |
| 1. TALL PINK ZINNIA                   | 1. YELLOW TALL SNAPDRAGON             |
| 2. ORANGE PLUME CELOSIA               | 2. WHITE CANDYUFT                     |
| 3. YELLOW DAHLBERG DAISY              | 3. PINK ALYSSUM                       |
| 4. DWARF WHITE FOUNTAIN GRASS         | 4. DWARF WHITE FOUNTAIN GRASS         |
| 5. RED PENTAS                         | 5. YELLOW PANSY                       |
| 6. PINK PORTULACA                     | 6. WHITE PETUNIA                      |
| 7. WHITE BEGONIA                      | 7. PINK DIANTHUS                      |



BOULEVARD SERIES PLANTER BY ALLIED MOULDED PRODUCTS, LLC. MODEL# 1RECLP-482424  
 COLOR: DC-35 PURE WHITE  
 FINISH: FEATHER-LITE STONE 100

NOT APPROVED FOR CONSTRUCTION



DATE: \_\_\_\_\_ BY: \_\_\_\_\_

REVISIONS: \_\_\_\_\_

No. \_\_\_\_\_

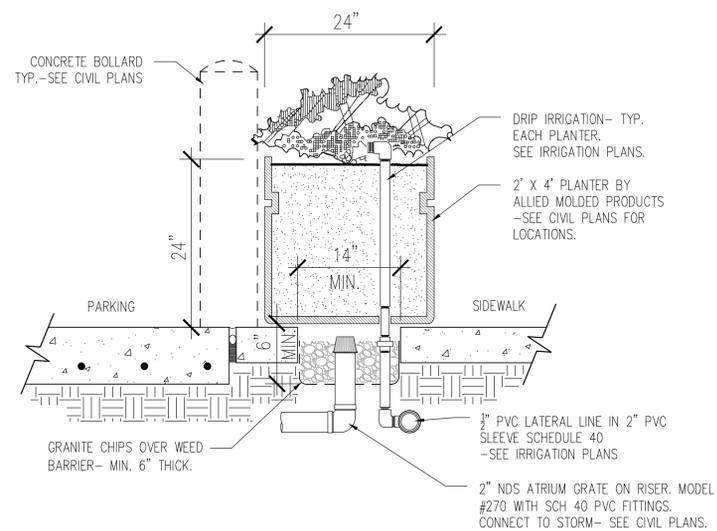
**Aloha Pacifica LLC**  
 PLANNING + LANDSCAPE ARCHITECTURE  
 4001 E. ROBINSON BL., SUITE 200  
 APOLEON, FLORIDA 33411  
 407.592.8282  
 alohapacificaplanning.com

**LANDSCAPE PLAN**

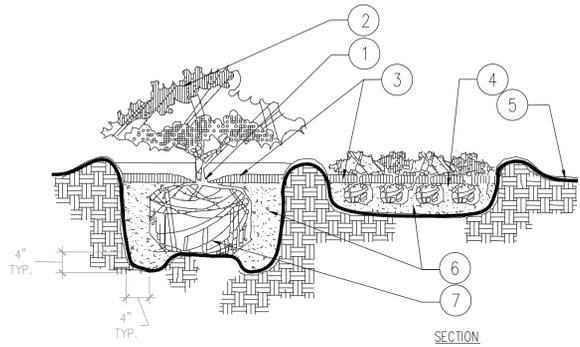
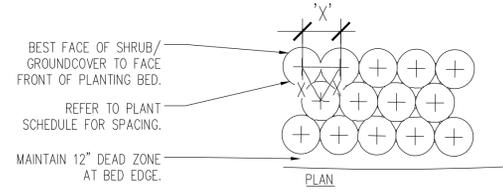
SCALE NOTED  
 DESIGNED BY: GR  
 DRAWN BY: BW  
 CHECKED BY: GR

**Wawa**  
 SR 54 & BRUCE B DOWNS  
 PASCO COUNTY FLORIDA

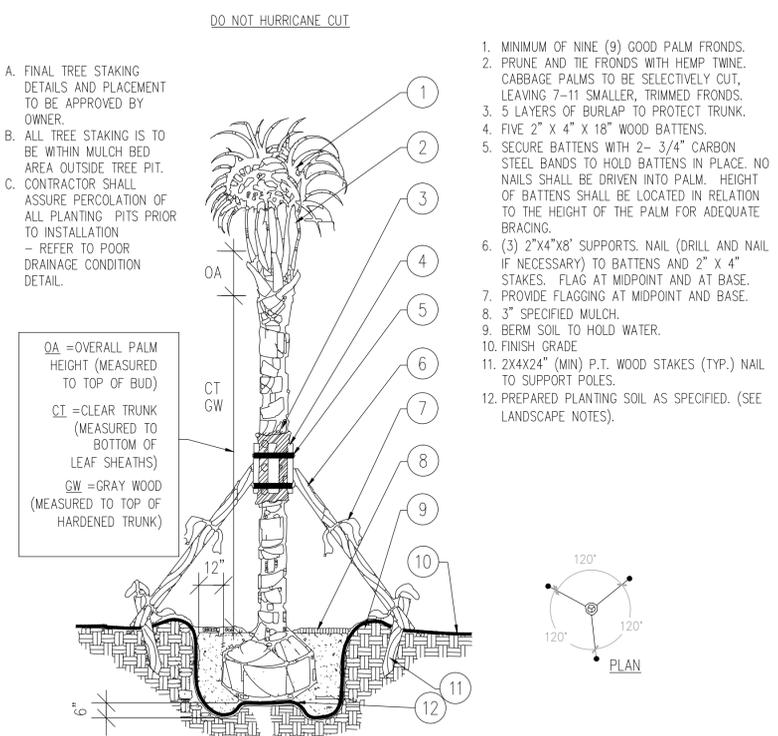
DATE: 12/15/15  
 PROJECT NO.: \_\_\_\_\_  
 SHEET NUMBER: LA-1



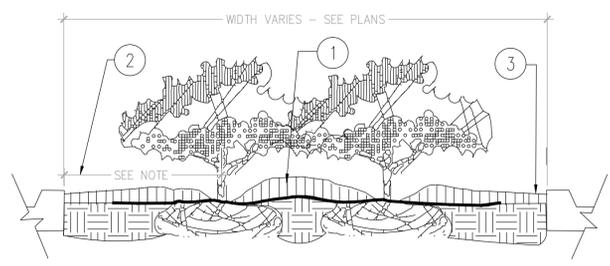
1 LANDSCAPE PLANTER SECTION  
SCALE: 1/2" = 1'-0"



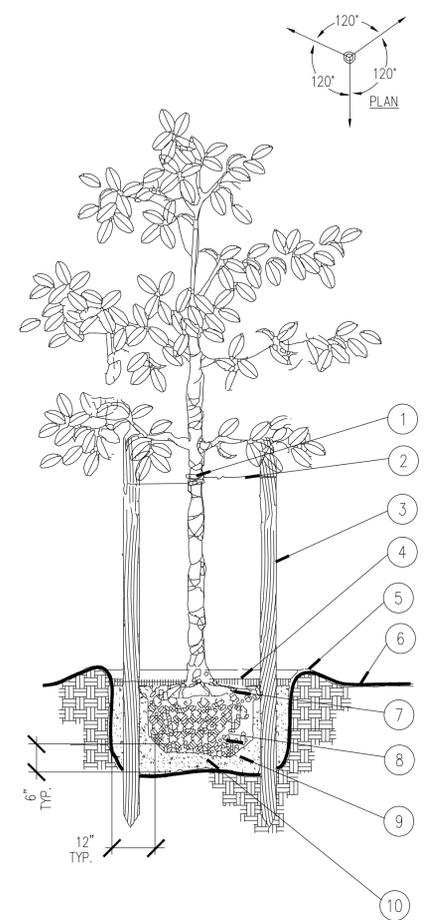
4 SHRUB/ GROUNDCOVER PLANTING  
NOT TO SCALE



2 PALM PLANTING DETAIL  
NOT TO SCALE



5 PARKING LOT ISLAND PLANTING  
NOT TO SCALE



3 TREE PLANTING DETAIL  
NOT TO SCALE

NOT APPROVED FOR CONSTRUCTION

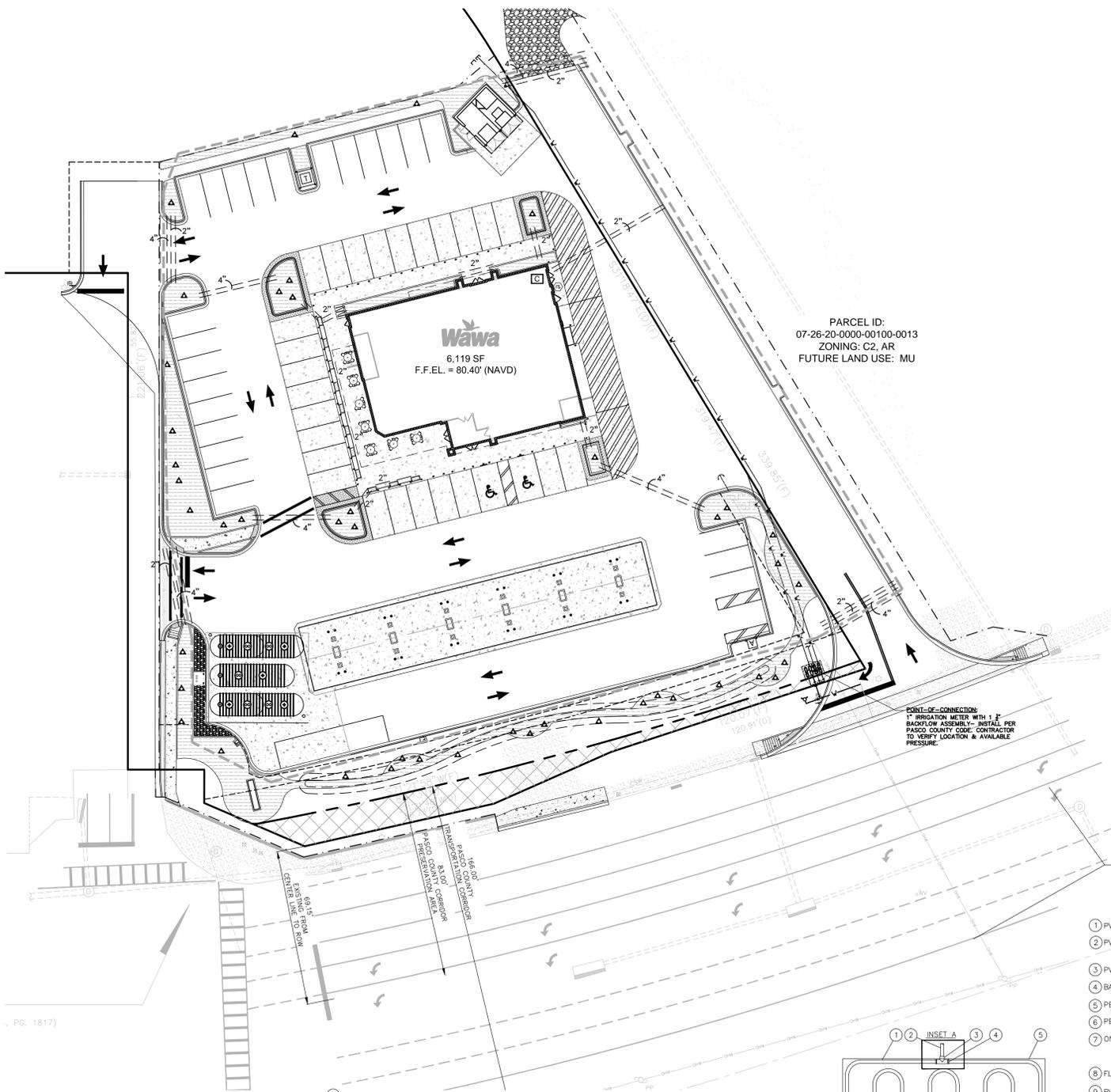


DATE	12/15/15
PROJECT NO.	
SHEET NUMBER	LA-2
SCALE NOTED	A
DESIGNED BY	GR
DRAWN BY	BW
CHECKED BY	GR
REVISIONS	
NO.	
DATE	
BY	

**Aloha Pacifica LLC**  
PLANNING + LANDSCAPE ARCHITECTURE  
400 E. Robinson St., Suite 201  
Honolulu, HI 96813  
aloahapacificallc.com

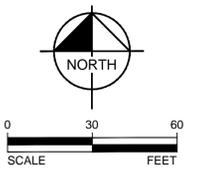
**Wawa**  
SR 54 & BRUCE B DOWNS  
PASCO COUNTY  
FLORIDA

LANDSCAPE DETAILS



PARCEL ID:  
07-26-20-0000-00100-0013  
ZONING: C2, AR  
FUTURE LAND USE: MU

**Wawa**  
6,119 SF  
F.F.E.L. = 80.40' (NAVD)



**IRRIGATION SCHEDULE**

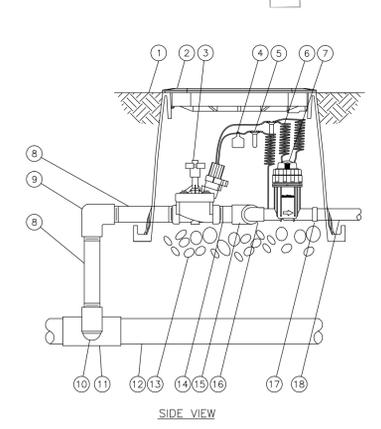
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI	RADIUS
13	Rain Bird 1800 15 Strip Series Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal, Side and Bottom Inlet, 1/2" NPT Female Threaded Inlet.	30	
14	Rain Bird 1800 12 Series MPR Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal, Side and Bottom Inlet, 1/2" NPT Female Threaded Inlet.	30	
15	Rain Bird 1800 ADJ Turf Spray 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal, Side and Bottom Inlet, 1/2" NPT Female Threaded Inlet.	30	
16	Rain Bird 1806-1400 Flood Flood Bubbler 6.0" pop-up	30	
17	Rain Bird 5004-MPR Turf Rotor, 4.0" Pop-Up, Plastic Riser, Matched Precipitation Rotor (MPR nozzle), Arc and Radius as per Symbol, 25 ft-red, 30 ft-green, 35ft-teal	25	23'
18	Rain Bird XZ-100-PRF Medium Flow Strip Control Kit, 1" DV valve, 1" pressure regulating filter, 40psi pressure regulator, 3gpm - 15gpm.		
19	Area to Receive Drip Irrigation Netcraft TLY-09-18 (18) Inchline Pressure Compensating Landscape Drip Irrigation with Check Valve, 0.9GPH emitters at 18.0" O.C. Drip Irrigation laterals spaced at 18.0" apart, with emitters offset for triangular pattern, 17mm.		
20	Rain Bird PEB-PRS-D 1" 1" - 1/2" 2" Plastic Industrial Valves, Low Flow Operating Capability, Globe Configuration, With Pressure Regulator Module.		
21	Rain Bird ESPBLXME with (02) ESPLXMSM4 16 Station Commercial Controller, Mounted on a Plastic Wall Mount.		
22	Rain Bird WR2-RFS Wireless Rain/Freeze Sensor.		
23	Water Meter 1"		
24	Irrigation Lateral Line: PVC Class 200 SDR 21 PVC Class 200 Irrigation pipe.		
25	Irrigation Mainline: PVC Schedule 40 1 1/2" PVC Schedule 40 Irrigation pipe.		
26	Pipe Sleeve: PVC Class 200 SDR 21 2"		

**IRRIGATION GENERAL NOTES:**

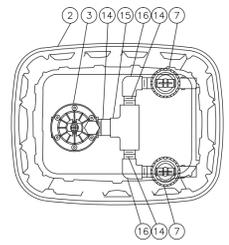
- VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF IRRIGATION SYSTEM. ALL UTILITIES AND STRUCTURES MAY NOT BE SHOWN ON THESE PLANS-CONTRACTOR SHALL VERIFY.
- INSTALLATION OF WORK SHALL BE COORDINATED WITH OTHER CONTRACTORS IN SUCH A MANNER AS TO ALLOW FOR A SPEEDY AND ORDERLY COMPLETION OF ALL WORK ON-SITE.
- IRRIGATION DESIGN IS SCHEMATIC ONLY. FULL AND COMPLETE SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE "AS-BUILT" DRAWINGS OF THE FINAL INSTALLATION TO OWNER AT SUBSTANTIAL COMPLETION BEFORE RECEIVING FINAL PAYMENT.
- IRRIGATION CONTRACTOR TO PROVIDE POWER SUPPLY TO ELECTRIC CONTROLLERS.
- IRRIGATION CONTRACTOR SHALL SECURE ANY AND ALL NECESSARY PERMITS FOR THE WORK PRIOR TO COMMENCEMENT OF HIS OPERATIONS ON-SITE. COPIES OF THE PERMITS SHALL BE SENT TO THE OWNER/GENERAL CONTRACTOR. WORK IN THE R.O.W. SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF LOCAL AND/OR STATE JURISDICTION.
- LOCATE ALL VALVES WITHIN LANDSCAPED AREAS WHENEVER POSSIBLE. ALL LINES UNDER PAVEMENT MUST BE SLEEVED.
- MAINLINE SHALL NOT BE LOCATED WITHOUT PRIOR APPROVAL OF THE OWNER'S REPRESENTATIVE.
- THE IRRIGATION CONTRACTOR SHALL BE DIRECTLY RESPONSIBLE FOR SLEEVING AND DIRECTIONAL BORES.
- ALL SLEEVES UTILIZED BY THE IRRIGATION CONTRACTOR WHETHER INSTALLED BY HIM OR NOT, SHALL BE LOCATED ON THE "AS-BUILT" DRAWINGS. THE DEPTH BELOW FINISH GRADE, TO THE NEAREST FOOT OF EACH END OF THE SLEEVE SHALL BE NOTED AT EACH SLEEVE LOCATION ON THE "AS-BUILT" DRAWINGS. ALL SLEEVES ON PLAN FOR WALL PENETRATIONS AND UNDER SIDEWALKS SHALL BE SIZED TWO PIPE SIZES GREATER THAN THE PIPE IT CARRIES.
- ALL PRESSURIZED MAINLINES AND LATERALS UNDER ASPHALT PAVEMENT SHALL BE WITHIN SLEEVES AS NOTED. WHERE ELECTRIC OR HYDRAULIC VALVE CONTROL LINES PASS THROUGH A SLEEVE WITH OTHER MAIN OR LATERAL LINES THEY SHALL BE CONTAINED WITHIN A SEPARATE, SMALLER CONDUIT.
- SLEEVES UNDER EXISTING PAVEMENT MUST BE DIRECTIONAL BORE. OPEN CUT IS NOT AN OPTION.
- NUMBER THE TOP OF ALL VALVE BOX LIDS WITH MINIMUM 1" HEIGHT BLACK LETTERS TO CORRESPOND TO AUTOMATIC AND GATE VALVE DESIGNATIONS. ALL HOSE BIBB VALVE BOXES SHALL BE LABELED IN A SIMILAR MANNER WITH THE DESIGNATION "HB". CLEARLY OUTSIDE OF THE CLOCK CABINETS TO CORRESPOND WITH IRRIGATION CLOCK PROGRAM DESIGNATION.
- THE IRRIGATION CONTRACTOR SHALL INSTALL A COLOR CODED METAL DETECTABLE MARKING TAPE WHICH CARRY THE NOTES: "CAUTION: IRRIGATION LINE BURIED BELOW". THE TAPE SHALL BE INSTALLED THE FULL LENGTH OF THE IRRIGATION MAINLINE.
- ALL VALVES, SPLICES WITHIN CONTROL LINES, AND QUICK COUPLERS SHALL BE LOCATED WITHIN NDS RECTANGULAR 12"x17" VALVE BOXES.
- EACH TREE AND PALM (AS SHOWN ON THE PLANS) SHALL HAVE ONE (1) FLOOD BUBBLER (SEE IRRIGATION SCHEDULE). SUCH HEADS SHALL BE ON MINIMUM 5'-0" LENGTH OF FLEXIBLE PIPE TO ALLOW ITS POSITIONING AT THE TREE. LOCATE BUBBLER ON THE UPHILL SIDE OF TREES ON ALL SLOPES.
- ALL IRRIGATION HEADS/DRIP TUBING SHALL BE LOCATED TWO (2) FEET FROM BACK OF CURB WHEN NEXT TO A ROADWAY. (THIS SHALL NOT INCLUDE PARKING AREAS OR DRIVE AISLES).
- LOCATE ALL VALVES IN PLANTING BEDS WITH A MINIMUM OF 3'-0" FROM BACK OF CURB OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. PIPE SIZES ON EITHER SIDE OF SECTION VALVES CONNECTING MAINLINE TO SECTION LATERAL SHALL BE ONE (1) PIPE SIZE LARGER THAN VALVE SIZE. WHERE MAINLINES RUN PARALLEL TO PAVEMENT OR CURBING, THE MAINLINE SHALL BE OFFSET 2'-0" FROM THE EDGE OF PAVEMENT OR CURB.
- IRRIGATION CONTRACTOR TO COORDINATE WITH OWNER FOR FINAL CONTROLLER AND RAIN SENSOR LOCATIONS. THE CONTROLLER SHALL BE PLACED IN A LOCKING CABINET APPROPRIATE FOR ITS LOCATION (INDOOR VS. OUTDOOR USE).
- LOCATE THE AUTOMATIC RAIN SENSOR SHUTOFF DEVICE IN AN AREA THAT IS UNOBTURGED BY TREES, ROOF OVERHANGS, OR ANY OTHER OVERHEAD OBJECT. THE SENSOR SHALL NOT BE PLACED WITHIN THE SPRAY ZONE OF ANY SPRINKLER HEAD, INCLUDING OFF-SITE IRRIGATION. CONTRACTOR SHALL LOCATE SENSOR WITHIN CLOSE PROXIMITY TO THE IRRIGATION CONTROLLER AND SHALL VERIFY FINAL LOCATION WITH OWNER.
- CONTRACTOR SHALL PERFORM HYDRO-TESTING OF MAIN LINES. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE FORTY-EIGHT (48) HOURS IN ADVANCE OF TESTING. PRIOR TO BACKFILLING, CONTRACTOR SHALL FILL PIPING WITH WATER, IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE, TAKING CARE TO PURGE THE AIR FROM IT. A SMALL, HIGH PRESSURE PUMP OR OTHER MEANS OF MAINTAINING A CONTINUOUS WATER SUPPLY SHALL BE CONNECTED TO THE PIPING AND SET SO AS TO MAINTAIN 125 PSI FOR TWO (2) HOURS WITHOUT INTERRUPTION. CONTRACTOR SHALL MAKE ANY NECESSARY CORRECTIONS AND RE-TEST THE SYSTEM UNTIL THE OWNER'S REPRESENTATIVE IS SATISFIED THAT THE SYSTEM IS REASONABLY SOUND.
- ALL WIRING FOR CONNECTION OF THE VALVES TO THE CONTROLLER SHALL FOLLOW MANUFACTURER'S SPECIFICATIONS. IF REQUIRED, ALL WIRING FOR A TWO WIRE PATH SHALL BE WITH RED/BLUE TWISTED PAIR 14 AWG. ELECTRIC CONTROL LINES FROM THE DECODER TO THE SOLENOID VALVES SHALL BE TWISTED PAIR 18 AWG. ALL DECODERS SHALL BE GROUNDED EVERY 1,000 LF, OR EVERY TO DEVICES. ALL WIRE SHALL BE FURNISHED IN MINIMUM 2,500' REELS AND SPLICING SHALL BE MINIMIZED. BURY SPLICE KIT. ALL 24 VOLT WIRING SHALL BE DONE IN ACCORDANCE WITH EXISTING CODES. SPLICING SHALL BE IN VALVE BOXES OR CONTROLLERS ONLY. IRRIGATION SYSTEM CONTROL SHALL BE TWO WIRE PATH. CONTRACTOR SHALL FOLLOW ALL MANUFACTURER'S REQUIREMENTS FOR THIS INSTALLATION. TWO WIRE SYSTEM SHALL HAVE 2-WAY COMMUNICATIONS FIELD PROGRAMMABILITY, STATION SPECIFICATIONS AND INTEGRATED SURGE PROTECTION.
- ALL CONTROL WIRE SHALL BE INSTALLED IN A 1/2" ELECTRICAL CONDUIT.
- CONTRACTOR TO MINIMIZE IRRIGATION OVERTHROW TO IMPERVIOUS AND NATURAL AREAS THROUGH FIELD ADJUSTMENTS TO INDIVIDUAL HEADS.
- ALL UNIMPROVED AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION BY THE CONTRACTOR.
- IRRIGATION SYSTEM SHALL COMPLY WITH THE HILLSBOROUGH COUNTY LAND DEVELOPMENT CODE.

- PVC EXHAUST HEADER
- PVC DRIP MANIFOLD FROM RAIN BIRD CONTROL ZONE VALVE KIT (SIZED TO MEET LATERAL FLOW DEMAND)
- PVC SCH 40 TEE OR EL (TYPICAL)
- BARB X MALE FITTING; RAIN BIRD XFD-MA FITTING (TYPICAL)
- PERIMETER OF AREA
- PERIMETER DRIPLINE PIPE TO BE INSTALLED 2"-4" FROM PERIMETER OF AREA
- ON-SURFACE DRIPLINE: RAIN BIRD XF SERIES DRIPLINE (TYPICAL) POTABLE: XFD DRIPLINE NON-POTABLE: XFDP DRIPLINE
- FLUSH POINT (TYPICAL) SEE RAIN BIRD DETAIL "XFD FLUSH POINT"
- PVC SCH 40 RISER PIPE

Inlet Pressure psi	12" Spacing		18" Spacing		24" Spacing	
	Nominal Flow (GPH)					
0.6	0.6	0.9	0.6	0.9	0.6	0.9
15	255	194	357	273	448	343
20	291	220	408	313	514	394
30	350	266	494	378	622	478
40	396	302	560	428	705	541
50	434	333	614	470	775	594

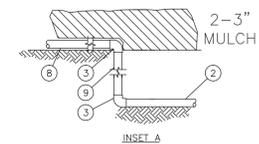


- FINISH GRADE/TOP OF MULCH
- VALVE BOX WITH COVER: RAIN BIRD VB-STD
- REMOTE CONTROL VALVE: RAIN BIRD 150-PESB (INCLUDED IN ID TAG)
- WATERPROOF CONNECTION: RAIN BIRD DB SERIES
- 30-INCH LINEAR LENGTH OF WIRE, COILED
- PRESSURE REGULATING QUICK CHECK BASKET FILTER: RAIN BIRD PRB-QKCHK-100 (INCLUDED IN XZC-PRB-150-COM KIT)
- PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
- PVC SCH 40 ELL
- PVC SCH 80 NIPPLE (2-INCH LENGTH, HIDDEN) AND PVC SCH 40 ELL
- PVC SCH 40 TEE OR ELL
- MAINLINE PIPE
- 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL
- PVC SCH 80 NIPPLE, CLOSE (INCLUDED IN XZC-PRB-150-COM KIT)
- PVC SCH 40 TEE (INCLUDED IN XZC-PRB-150-COM KIT)
- PVC SCH 40 ELL (INCLUDED IN XZC-PRB-150-COM KIT)
- PVC SCH 40 FEMALE ADAPTOR
- LATERAL PIPE



**2 XFD Dripline Layout**

- NOTES:
- DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND CHANGES IN ELEVATION. SEE INSTALLATION SPECIFICATIONS ON RAIN BIRD WEB SITE (WWW.RAINBIRD.COM) FOR SUGGESTED SPACING.
  - LENGTH OF LONGEST DRIPLINE LATERAL SHOULD NOT EXCEED THE MAXIMUM SPACING SHOWN IN THE ACCOMPANYING TABLE.



**3 XDF Dripline Connection**

- NOTES:
- PLACE TIE-DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY.
  - AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE-DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION.

**1 XZC-PRB-150-com 1.5 inch Commercial Control Kit**

DATE: 12/15/15  
PROJECT NO.:  
SHEET NUMBER: LA-3

SCALE: AS NOTED  
DESIGNED BY: GR  
DRAWN BY: BW  
CHECKED BY: GR

IRRIGATION PLAN

FLORIDA  
PASCO COUNTY  
SR 54 & BRUCE B DOWNS

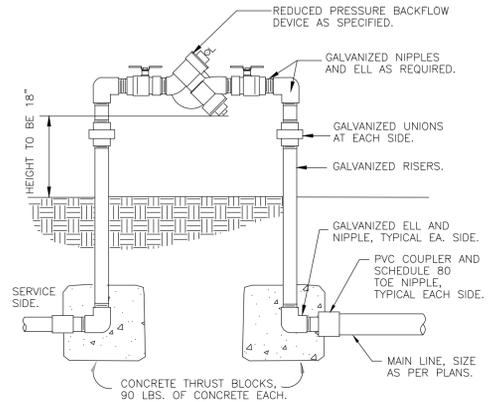
**Wawa**  
SR 54 & BRUCE B DOWNS

**Aloha Pacifica LLC**  
PLANNING & LANDSCAPE ARCHITECTURE  
1401 E. Robinson St., Suite 201  
Orlando, Florida 32809  
www.alohapacificallc.com

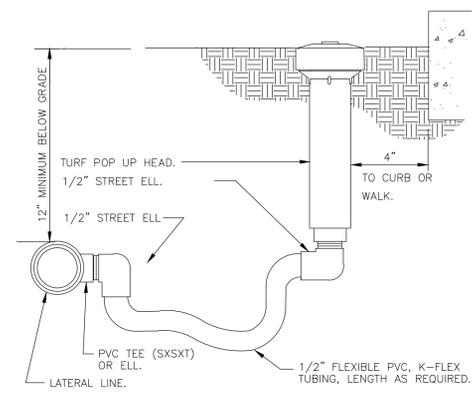
NO. REVISIONS DATE

NOT APPROVED FOR CONSTRUCTION

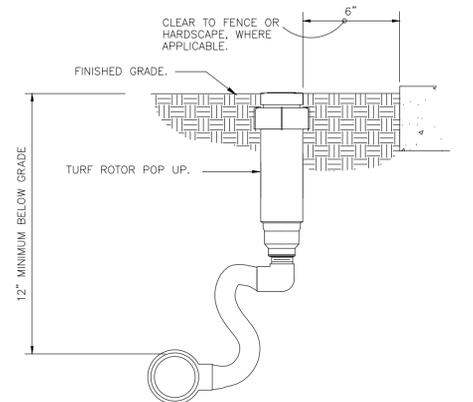
**811**  
KNOW WHAT'S BELOW  
ALWAYS CALL 811  
BEFORE YOU DIG  
It's fast. It's free. It's the law.  
www.callsunshine.com



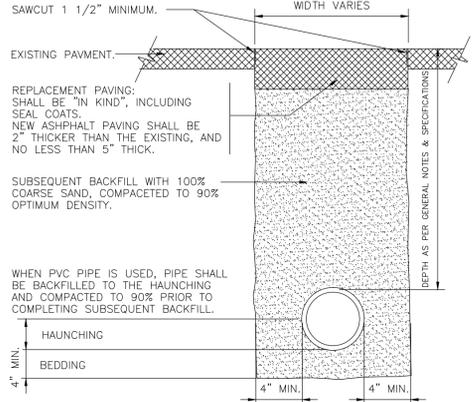
**4 REDUCED PRESSURE BACKFLOW DEVICE**  
NOT TO SCALE



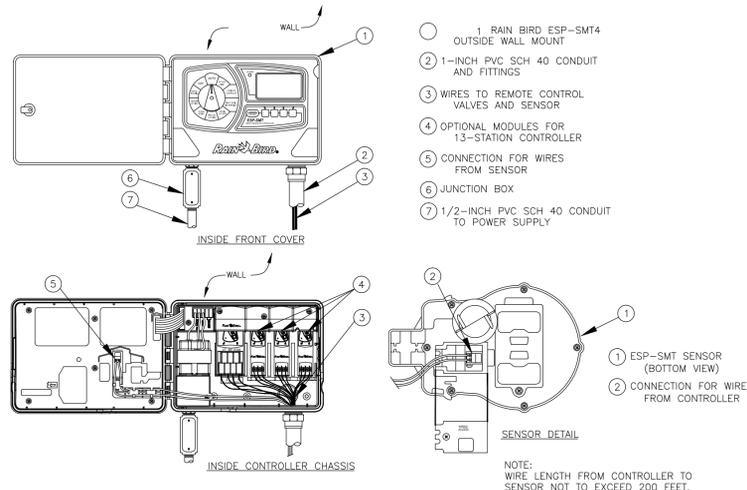
**5 TURF SPRAY FLEX ASSEMBLY**  
NOT TO SCALE



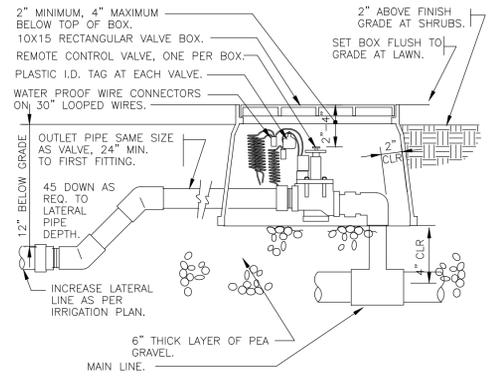
**6 TURF ROTOR FLEX ASSEMBLY**  
NOT TO SCALE



**7 TRENCH DETAIL AT ASPHALT PAVING**  
NOT TO SCALE



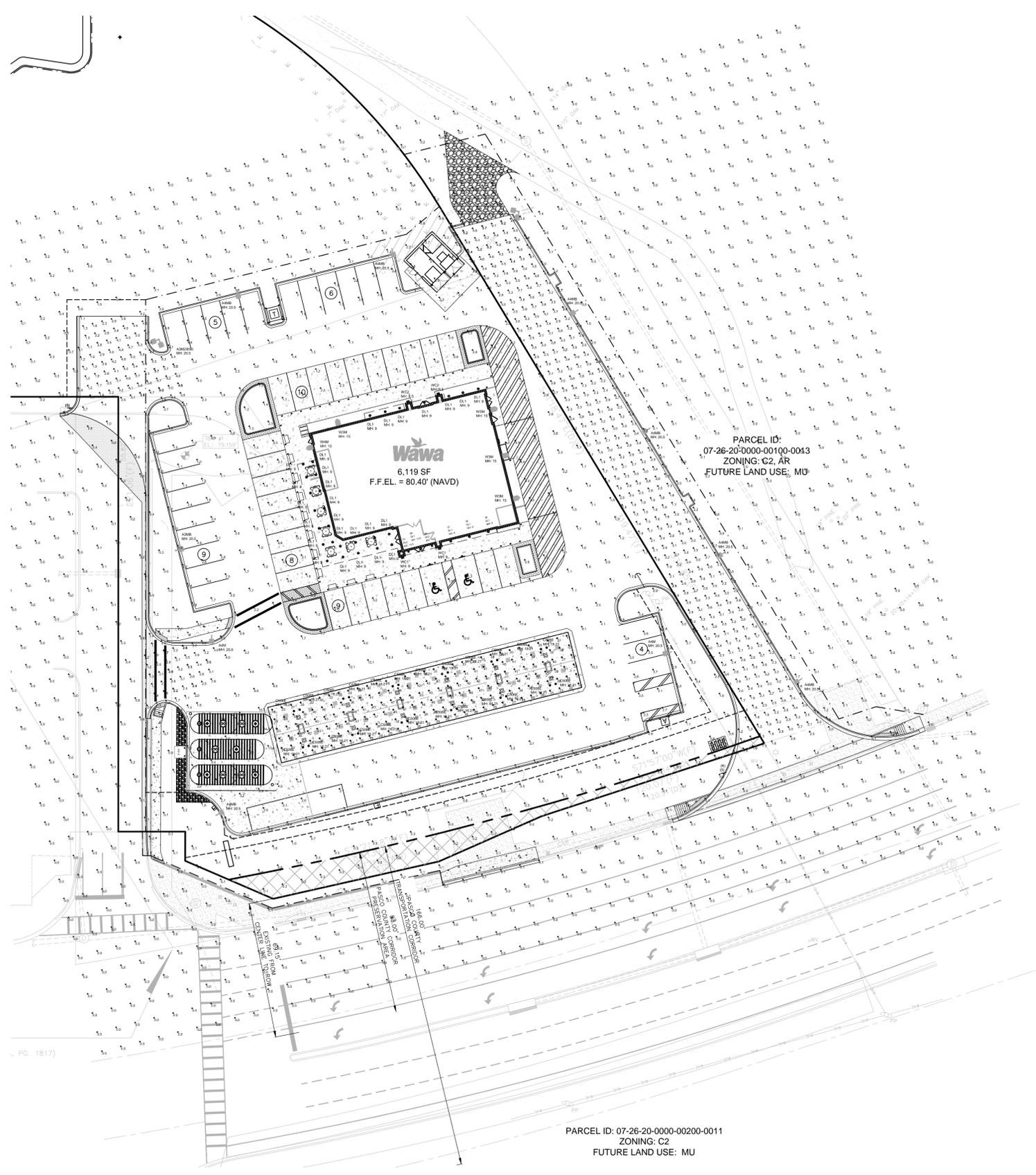
**8 ESP-SMT SMART CONTROL SYSTEM**  
NOT TO SCALE



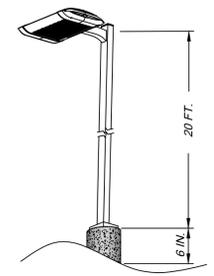
**9 ELECTRIC REMOTE CONTROL VALVE**  
NOT TO SCALE



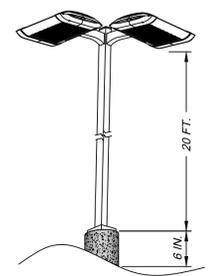
DATE	12/15/15
PROJECT NO.	
SHEET NUMBER	LA-4
DESIGNED BY	GR
DRAWN BY	BW
CHECKED BY	GR
SCALE NOTED	A
<b>IRRIGATION DETAILS</b>	
<b>Wawa</b>	
<b>SR 54 &amp; BRUCE B DOWNS</b>	
PASCO COUNTY FLORIDA	
<b>Aloha Pacifica LLC</b> PLANNING • LANDSCAPE ARCHITECTURE <small>1401 E. Robinson St., Suite 201, Orlando, Florida 32809</small> <small>407.579.5282 ext. 202</small> <small>aloha@alohapacificallc.com</small>	
REVISIONS	NO.
BY	DATE



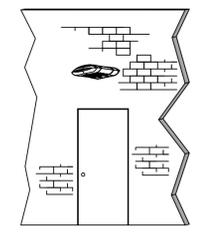
PARCEL ID: 07-26-20-0000-00200-0011  
 ZONING: C2  
 FUTURE LAND USE: MU



TYPE A3MB, A4M & A4MB  
 AREA LIGHTS



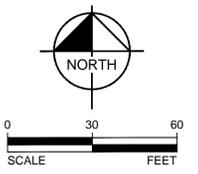
TYPE A3M2@90  
 & A4MB2@90  
 AREA LIGHTS



TYPE W3M & W4M WALL PACKS



TYPE C506E CANOPY LIGHTS



Footcandle Levels Calculated at Grade Using Predicted Lumen Values after 25K Hours of Operation

Label	Avg	Max	Min	Avg/Min	Max/Min
DELIVERY AREA	3.75	6	3	1.25	2.00
ENTRANCE & EXIT AREA	2.88	6.7	0.8	3.60	8.38
PAVED AREA	3.05	14.3	0.8	3.81	17.88
UNDEFINED AREA	0.39	6.2	0.0	N.A.	N.A.
UNDER CANOPY	35.06	49	16	2.19	3.06

Luminaire Schedule

Symbol	Qty	Label	Lumens	LLF	Watts	Total Watts	Manufacturer	Description
◆◆	1	A3M2@90	10674	0.950	268	268	Cree Lighting	ARE-EDG-3M-DA-06-E-UL-WH-700
■	1	A3MB	7896	0.950	134	134	CREE, INC.	ARE-EDG-3MB-DA-06-E-UL-WH-700
■	2	A4M	11259	0.950	134	268	Cree Inc.	ARE-EDG-4M-DA-06-E-UL-WH-700
■	7	A4MB	8481	0.950	134	938	CREE, INC.	ARE-EDG-4MB-DA-06-E-UL-WH-700
◆◆	1	A4MB2@90	8481	0.950	268	268	CREE, INC.	ARE-EDG-4MB-DA-06-E-UL-WH-700
■	24	C506E	10912	0.960	101	2424	CREE, INC.	CAN-304-SL-RD-06-E-UL-WH-525
○	32	DL1	1548	1.000	27.6	883.2	PHILIPS LIGHTOLIER	C6L1520DW30KCLWC6L15N1 (CAN LIGHT)
○	2	DL2	880	1.000	19.5	39	USA ILLUMINATION	DL2 (CAN LIGHT)
■	4	W3M	4210	0.970	43	172	CREE, INC.	SEC-EDG-3M-WM-04-E-UL-WH-350
■	1	W4M	4440	0.960	43	43	BETALED, A DIVISION OF RUUD LIGHTING	SEC-EDG-4M-WM-04-E-UL-WH-350
□	2	WC1	2011	1.000	46.9	93.8	SCOTT ARCHITECTURAL LIGHTING	WC1 SCOTT IFL61322 59131 9x20
□	2	WC2	1119	1.000	22.6	45.2	SCOTT ARCHITECTURAL LIGHTING	WC2 SCOTT IFL61321 59130 9x16

 <b>Aloha Pacifica LLC</b> PLANNING • LANDSCAPE ARCHITECTURE <small>400 E. Robinson St., Suite 201          Honolulu, HI 96813          alohapacificallc.com</small>	 <b>PHOTOMETRIC PLAN</b> SR 54 & BRUCE B DOWNS PASCO COUNTY FLORIDA
SCALE NOTED DESIGNED BY: GR DRAWN BY: BW CHECKED BY: GR	DATE: 12/15/15 PROJECT NO.: SHEET NUMBER: LA-5



