

YELVINGTON DISTRIBUTORS DEBARY FACILITY FINAL SITE PLAN CITY OF DEBARY, FLORIDA

GENERAL NOTES

- BOUNDARY & TOPOGRAPHIC SURVEY PREPARED BY BLACKWELL & ASSOCIATES LAND SURVEYORS, INC.
- TELEPHONE, ELECTRIC AND CABLE TELEVISION SERVICE SHALL BE INSTALLED UNDERGROUND.
- CONTRACTOR SHALL VERIFY SITE CONDITIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION AND NOTIFY THE ENGINEER AS TO DISCREPANCIES, IF ANY EXIST.
- TRAFFIC CONTROL SIGNS SHALL BE IN ACCORDANCE WITH FDOT SIGNALS SPECIFICATIONS. ALL REQUIRED STOP SIGNS, SPEED LIMIT AND STREET SIGNS SHALL BE PROVIDED BY THE DEVELOPER.
- ALL TRAFFIC CONTROL SIGNS SHALL BE FABRICATED USING 3M BRAND "SCOTCHLITE" SHEETING (ENGINEER GRADE) ON MINIMUM 0.080 GAUGE ALUMINUM BLANKS. ALL STOP SIGNS SHALL BE 30" OCTAGON INSTALLED ON 12", 3 LBS./FT. "U" CHANNEL POSTS (RAIL STEEL ONLY) OR 3" x 12" ROUND ALUMINUM POSTS. "U" CHANNEL POST MAY BE USED FOR ALL SIGNS SMALLER THAN 36" x 48". ALL WARNING SIGNS SHALL BE 30" x 30". ALL STREET NAME SIGNS SHALL BE 6" IN HEIGHT WITH 4" HIGH WHITE LETTERS ON A GREEN BACKGROUND WITH MINIMUM 24" LENGTH.
- THERE ARE NO KNOWN WILDLIFE CORRIDORS FOR ENDANGERED SPECIES OR SPECIES OF CONCERN. THERE ARE NO KNOWN PLANTS OR ANIMALS THAT INHABIT THIS SITE THAT ARE LISTED AS FEDERALLY ENDANGERED SPECIES OR SPECIES OF SPECIAL CONCERN. THERE ARE NO HISTORIC OR ARCHAEOLOGICAL SITES ON THIS PROPERTY.
- ALL PAVEMENT MARKINGS AND STRIPING WILL BE THERMPLASTIC AND WILL BE INSTALLED IN ACCORDANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD INDEX #17346.



VICINITY MAP

GENERAL INFORMATION LAND USE TABULATION

OWNER:

DeBARY DEVELOPMENT CORP.
P.O. BOX 947869
MAITLAND, FLORIDA 32794-7869

APPLICANT:

GARY YELVINGTON
2328 BELLEVUE AVENUE
DAYTONA BEACH, FLORIDA 32119
(386) 257-5504 FAX(386) 257-3337
E-MAIL: gary.yelvington@me.com

ENGINEER/LANDSCAPE ARCHITECT:

PARKER MYNCHENBERG & ASSOC., INC.
PARKER MYNCHENBERG, P.E. #32645
PARKER MYNCHENBERG, L.A. #1553
1729 RIDGEWOOD AVE.
HOLLY HILL, FLORIDA 32117
(386) 677-6891 FAX (386) 677-2114

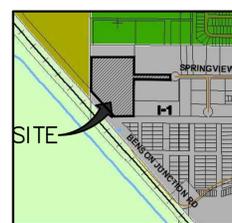
SURVEYOR:

BLACKWELL & ASSOCIATES
LAND SURVEYORS, INC.
ROBERT R. EVERS, L.S. #5675
995 W. VOLUSIA AVE.
DELAND, FLORIDA

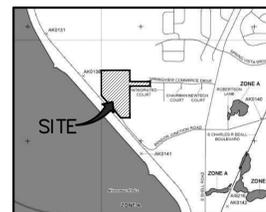
ENVIRONMENTAL:

MARIA SUMMERLIN, P.G.
S. & M.E. INC.
1211 TECHNOLOGY BOULEVARD SUITE 200
TAMPA, FLORIDA 33619
(813)623-6646 FAX (813)623-3795

EXISTING ZONING: I-1
ACREAGE IN TRACT 15.66 ACRES (682,025 S.F.)
TAX PARCEL # : 04-19-30-16-00-0001
OFFICE BUILDING:
BUILDINGS 0 S.F.
IMPERVIOUS AREA:
BUILDINGS 0 S.F.
AGGREGATE, PAVING, LIMEROCK 118,866 S.F.
TOTAL IMPERVIOUS AREA 118,866 S.F. = 2.73 AC. = 17.4%
LANDSCAPE AREA 563,159 S.F. = 12.93 AC = 82.6%
BUILDING COVERAGE 0 S.F. = 0.00 AC. = 0.00%



ZONING MAP
ZONED "I-1"



FLOOD MAP

(PER MAP DATED 2/19/14)
PROPERTY IS NOT LOCATED IN A
SPECIAL FLOOD HAZARD AREA,
ACCORDING TO COMMUNITY PANEL
MAP NO. 121270-0730-H MAP,
PANEL 730 OF 930, ZONE "X".

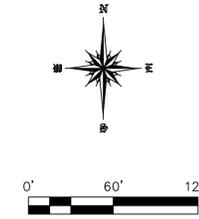
INDEX TO DRAWINGS	
SHEET NO.	DESCRIPTION
1	COVER SHEET
2-3	BOUNDARY & TOPOGRAPHIC SURVEY
4	DEMOLITION & EROSION CONTROL PLAN
5	SITE PLAN
6	CIVIL SITE PLAN
7	ACCESS ROAD PAVING & DRAINAGE
8	LANDSCAPE PLAN
9	IRRIGATION PLAN
10	PAVING & DRAINAGE DETAILS
11	LANDSCAPE DETAILS
12	IRRIGATION DETAILS



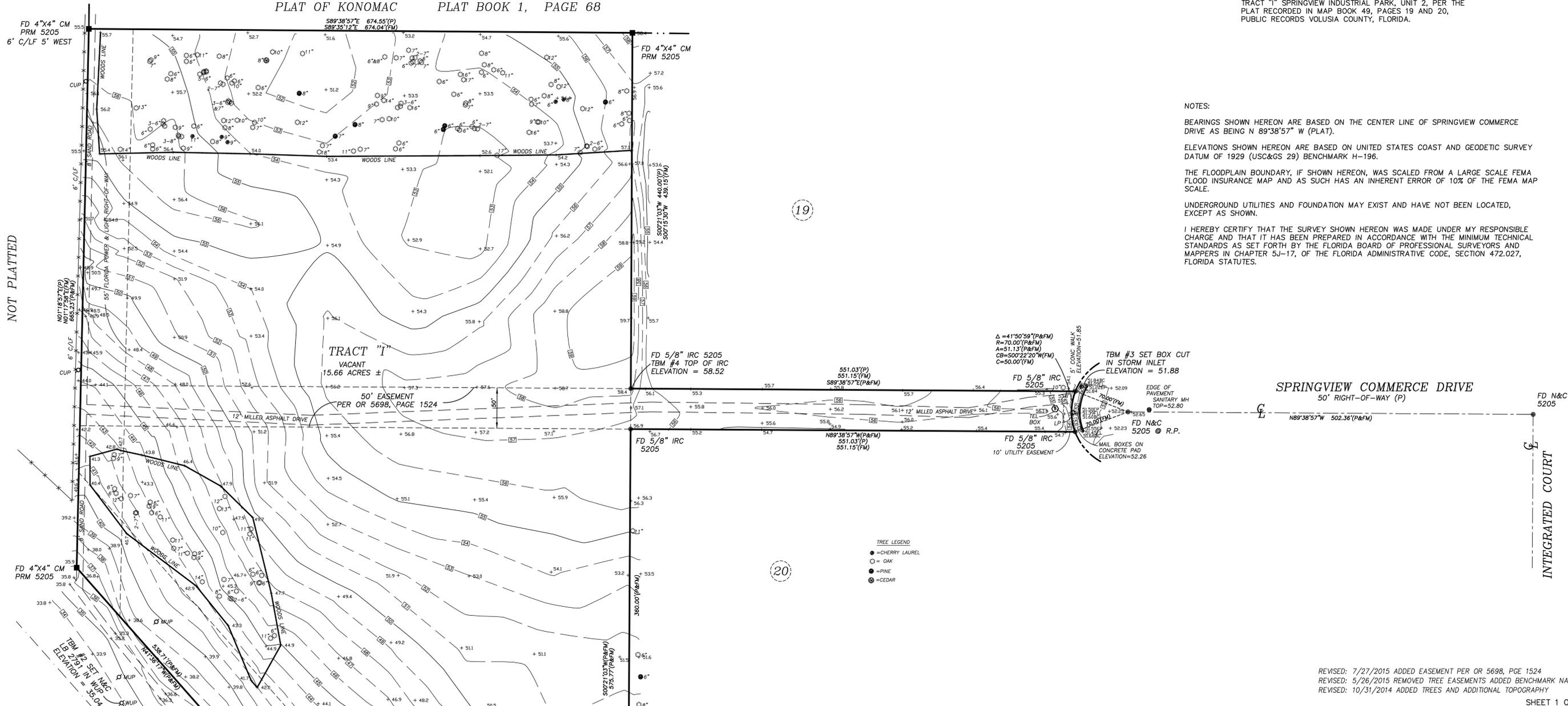
SOILS MAP

PARKER MYNCHENBERG & ASSOCIATES, INC.
PROFESSIONAL ENGINEERS * LANDSCAPE ARCHITECTS
1729 RIDGEWOOD AVENUE HOLLY HILL, FLORIDA 32117
(386) 677-6891 FAX (386) 677-2114 E-MAIL: info@parkermynchenberg.com
CERTIFICATE OF AUTHORIZATION NUMBER: 00003910

NO.	DATE	REVISIONS	BY
1	6/4/15	REVISED PER CITY COMMENTS	BVB
COVER SHEET			
YELVINGTON DISTRIBUTORS DEBARY FACILITY			
CITY OF DEBARY		FLORIDA	
FILE NO. 1439CS.DWG	DESIGNER: P.MYNCHENBERG		
DATE: 7/21/14	CADD TECH: B. BERGSTROM		
SCALE: NONE	SHEET 1 OF 12	SEAL	



PLAT OF KONOMAC PLAT BOOK 1, PAGE 68



LEGAL DESCRIPTION:
 TRACT "1" SPRINGVIEW INDUSTRIAL PARK, UNIT 2, PER THE PLAT RECORDED IN MAP BOOK 49, PAGES 19 AND 20, PUBLIC RECORDS VOLUSIA COUNTY, FLORIDA.

NOTES:
 BEARINGS SHOWN HEREON ARE BASED ON THE CENTER LINE OF SPRINGVIEW COMMERCE DRIVE AS BEING N 89°38'57" W (PLAT).
 ELEVATIONS SHOWN HEREON ARE BASED ON UNITED STATES COAST AND GEODETIC SURVEY DATUM OF 1929 (USC&GS 29) BENCHMARK H-196.
 THE FLOODPLAIN BOUNDARY, IF SHOWN HEREON, WAS SCALED FROM A LARGE SCALE FEMA FLOOD INSURANCE MAP AND AS SUCH HAS AN INHERENT ERROR OF 10% OF THE FEMA MAP SCALE.
 UNDERGROUND UTILITIES AND FOUNDATION MAY EXIST AND HAVE NOT BEEN LOCATED, EXCEPT AS SHOWN.
 I HEREBY CERTIFY THAT THE SURVEY SHOWN HEREON WAS MADE UNDER MY RESPONSIBLE CHARGE AND THAT IT HAS BEEN PREPARED IN ACCORDANCE WITH THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17, OF THE FLORIDA ADMINISTRATIVE CODE, SECTION 472.027, FLORIDA STATUTES.

- TREE LEGEND**
- = CHERRY LAUREL
 - = OAK
 - = PINE
 - ⊗ = CEDAR

REVISED: 7/27/2015 ADDED EASEMENT PER OR 5698, PGE 1524
 REVISED: 5/26/2015 REMOVED TREE EASEMENTS ADDED BENCHMARK NAME.
 REVISED: 10/31/2014 ADDED TREES AND ADDITIONAL TOPOGRAPHY

ABBREVIATIONS

A=Arc Length	CM=Concrete Monument	F/W=Field Wire Fence	N&C=Not in Chain	POL=Point on Line	TB=Target Bearing
A=Acres	CON=Concrete	G.A.=Guy Anchor	NO I.D.=No Identification	PRC=Point of Reverse Curve	TEL or T=Telephone Service
C=Chalk Conditioning Unit	COR=Corner	GL=Government Lot	D.S.=Official Records Book	PRM=Permanent Reference Mark	TBM=Benchmark
ASPH=Asphalt	CU=Concrete Utility Pole	GOV=Government Land Office	OV=Overhead	PT=Point of Tangency	U=Underground
BC=Book of Curbs	DEM=Drainage Retention Area	INW=Inward Elevation	(P)=Pit	PW=Point of Beginning	UP=Utility Pole
BP=Block Flow Preventer	ELE or ELE=Electric	IR=Iron Rod	PC=Point of Curvature	R=Radius or Radial Line	W/F=Wood Fence
BLDD=Building	FD=Found	IR=Iron Rod	PCD=Point of Compound Curvature	RCP=Reinforced Conc. Pipe	W/M=Wood Privacy Fence
BLK=Block	FL=Face of Pavement	IR=Iron Rod & Cap	PC=Page	RCS=Reinforced Spike	W/W=Water Main
BM=Benchmark	FL=Face of Pavement	L=Line Length	POB=Point of Beginning	R/W=Right of Way	W/S=Water Service Line
CC=Computed Data	FL=Face of Pavement	LI=Licensed Business	POC=Point of Curvature	R/W=Right of Way	W/S=Water Service
CATV=Cable TV Service	FL=Face of Pavement	LS=Licensed Land Surveyor	POI=Point of Intersection	R/W=Right of Way	W/S=Water Service
CB=Chain Bearing	FL=Face of Pavement	MC=Measured Chain	POC=Point of Curvature	R/W=Right of Way	W/S=Water Service
CD=Chord Distance	FL=Face of Pavement	MC=Measured Chain	POC=Point of Curvature	R/W=Right of Way	W/S=Water Service
CF=Chain Fence	FL=Face of Pavement	MC=Measured Chain	POC=Point of Curvature	R/W=Right of Way	W/S=Water Service
CMP=Corrugated Metal Pipe	FL=Face of Pavement	MC=Measured Chain	POC=Point of Curvature	R/W=Right of Way	W/S=Water Service

NOTE:
 This Plat of Survey is certified to and prepared for the sole and exclusive benefit of the entities and/or individuals shown hereon, valid on the most current date shown hereon, and shall not be relied upon by any other entity or individual whatsoever.
 There may be additional restrictions and/or other matters of record not shown on this Survey / Sketch that may be found in the Public Records of the county or contained within the Title Commitment.
 This Survey / Sketch has been prepared without benefit of abstract or title search unless otherwise noted hereon.

BOUNDARY, TOPOGRAPHIC AND TREE LOCATION SURVEY CERTIFIED TO:
YELVINGTON INDUSTRIES

FLOOD CERTIFICATION:
 (Per map dated February 19, 2014)
 This is to certify that I have consulted the Federal Insurance Flood Hazard Boundary Map and found the ABOVE named Property IS NOT located in a special flood hazard area, according to Community Panel Map No. 121270-0730-H Map, Panel 730 of 930, Zone "X".

BLACKWELL & ASSOCIATES
LAND SURVEYORS, INC.
 WWW.BLACKWELLSURVEYING.COM
 995 W. VOLUSIA AVE. • DELAND, FL • PH: (386)-734-8050
 CERTIFICATE OF AUTHORIZATION NUMBER LB 2791

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

BY: _____

ROBERT R. EVERS
 FLORIDA CERTIFICATE # LS-5675

SYMBOLS :

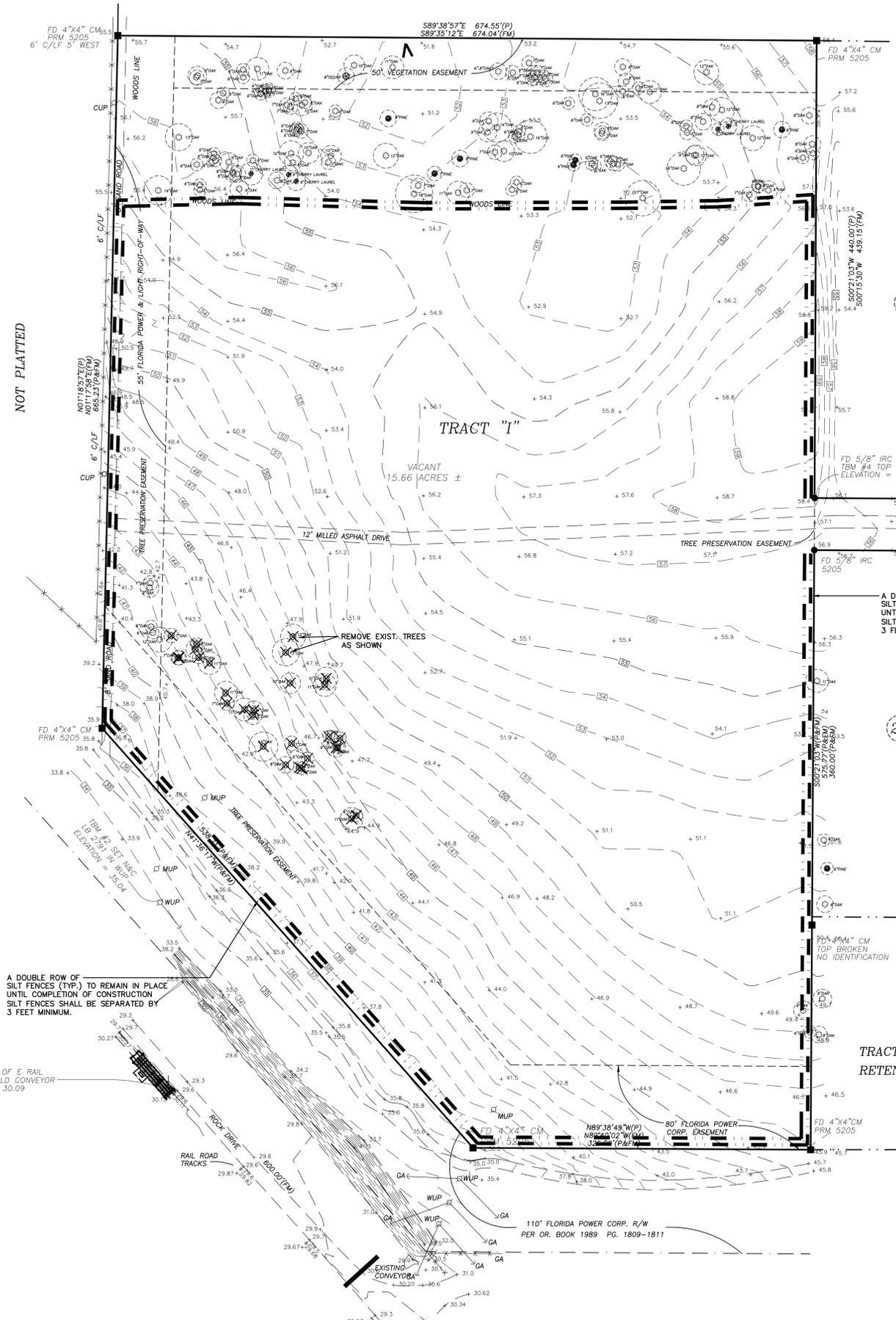
- = REBAR FOUND (SIZE SHOWN HEREON)
- = 1/2" REBAR & CAP SET
- = 4"x4" CONCRETE MONUMENT & CAP SET
- = CONCRETE MONUMENT FOUND (SIZE SHOWN HEREON)
- = R.L.S. DISC/NAI FOUND (SIZE SHOWN HEREON)
- = R.L.S. DISC/NAI SET
- = IRON PIPE FOUND (SIZE SHOWN HEREON)
- = RAILROAD SPIKE FOUND
- = BOLT FOUND (SIZE SHOWN HEREON)
- = P/K NAIL FOUND

DATE: 4/22/2014
 W.D. No.: 04-99-14
 DRAWN BY: D.O.B.
 FIELD BOOK: 684, PAGES 20-22
 CADD FILE / FILE No.: 04-99-14

TREE LEGEND



OAK			
Qty	Dia (in)	Area (sq. in)	Area (sq. ft)
11	6	311.02	2.16
6	7	230.91	1.60
1	8	50.27	0.35
5	9	318.09	2.21
1	10	78.54	0.55
6	11	570.20	3.96
2	12	226.19	1.57
1	13	132.73	0.92
1	14	153.94	1.07
15	-	-	-
16	-	-	-
17	-	-	-
18	-	-	-
19	-	-	-
20	-	-	-
21	-	-	-
22	-	-	-
23	-	-	-
		2071.88	14.99



19

20

SPRINGVIEW COMMERCE DRIVE
50' RIGHT-OF-WAY (P)

INTEGRATED COURT

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE

DEFINITION
A STONE STABILIZED PAD LOCATED AT POINTS OF VEHICULAR INGRESS AND EGRESS ON A CONSTRUCTION SITE.

PURPOSE
TO REDUCE THE AMOUNT OF SEDIMENT TRANSPORTED ONTO PUBLIC ROADS BY MOTOR VEHICLES OR DRIFT.

CONDITIONS WHERE PRACTICE APPLIES
WHEREVER TRAFFIC WILL BE LEAVING A CONSTRUCTION SITE AND MOVES DIRECTLY ONTO A PUBLIC ROAD OR OTHER PAVED AREA.

PLANNING CONSIDERATIONS
CONSTRUCTION ENTRANCES PROVIDE AN AREA WHERE MUD CAN BE REMOVED FROM CONSTRUCTION VEHICLE TIRES BEFORE THE ENTER A PUBLIC ROAD. IF THE ACTION OF THE VEHICLE TRAVELING OVER THE GRAVEL PAD IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF THE MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLE ENTERS A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF-SITE. CONSTRUCTION ENTRANCES SHOULD BE USED IN CONJUNCTION WITH THE STABILIZATION OF CONSTRUCTION ROADS TO REDUCE THE AMOUNT OF MUD PICKED UP BY CONSTRUCTION VEHICLES.

DESIGN CRITERIA

AGGREGATE SIZE
FDOT AGGREGATE NO. 1 (1.5 - 3.5 INCH STONE) SHOULD BE USED.

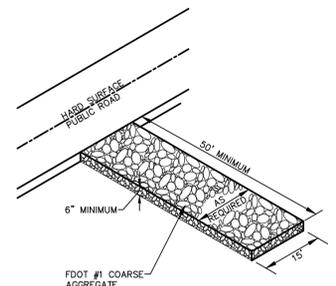
ENTRANCE DIMENSIONS
AGGREGATE LAYER MUST BE AT LEAST 6 INCHES THICK. IT MUST EXTEND THE FULL WIDTH OF THE VEHICULAR INGRESS AND EGRESS AREA. THE LENGTH OF THE ENTRANCE MUST BE AT LEAST 50 FEET. (SEE DETAIL).

WASHING
IF CONDITIONS OF THE SITE ARE SUCH THAT THE MAJORITY OF THE MUD IS NOT REMOVED BY THE VEHICLES TRAVELING OVER THE GRAVEL, THEN THE TIRES OF THE VEHICLES MUST BE WASHED BEFORE ENTERING A PUBLIC ROAD. WASH WATER MUST BE CARRIED AWAY FROM THE ENTRANCE TO A SETTLING AREA TO REMOVE SEDIMENT. A WASH RACK MAY ALSO BE USED TO MAKE WASHING MORE CONVENIENT AND EFFECTIVE. SEE DETAIL.

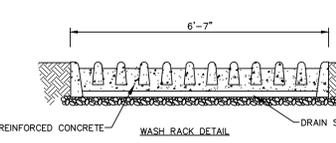
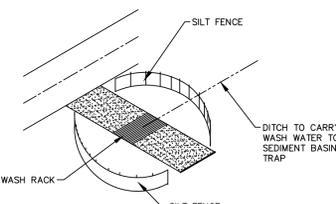
LOCATION
THE ENTRANCE SHOULD BE LOCATED TO PROVIDE FOR MAXIMUM UTILITY BY ALL CONSTRUCTION VEHICLES.

CONSTRUCTION SPECIFICATIONS
THE AREA OF THE ENTRANCE SHOULD BE CLEARED OF ALL VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL. THE GRAVEL SHALL BE PLACED TO THE SPECIFIED DIMENSIONS. ANY DRAINAGE FACILITIES REQUIRED BECAUSE OF WASHING SHOULD BE CONSTRUCTED ACCORDING TO SPECIFICATIONS. IF WASH RACKS ARE USED, THEY SHOULD BE CONSTRUCTED ACCORDING TO SPECIFICATIONS. IF WASH RACKS ARE TO MANUFACTURER'S SPECIFICATIONS.

MAINTENANCE
THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 2-INCH STONE, AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.



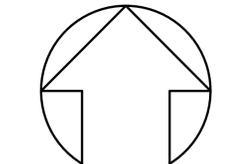
GRAVEL CONSTRUCTION ENTRANCE
N.T.S.



GRAVEL CONSTRUCTION ENTRANCE
W/ WASH RACK (IF REQUIRED)

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE

NTS



GRAPHIC SCALE

SCALE: 1" = 60'

NO.	DATE	DESCRIPTION	BY
2	6/24/15	REVISED	BVB
1	6/4/15	REVISED PER CITY COMMENTS	BVB

REVISIONS

PARKER MYNCHENBERG & ASSOCIATES, INC.
PROFESSIONAL ENGINEERS * LANDSCAPE ARCHITECTS
1729 RIDGEWOOD AVENUE HOLLY HILL, FLORIDA 32117
(386) 677-6891 FAX (386) 677-2114 E-MAIL: info@parkermynchenberg.com
CERTIFICATE OF AUTHORIZATION NUMBER: 00003910

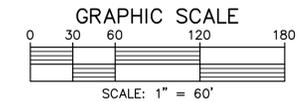
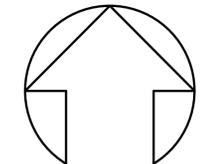
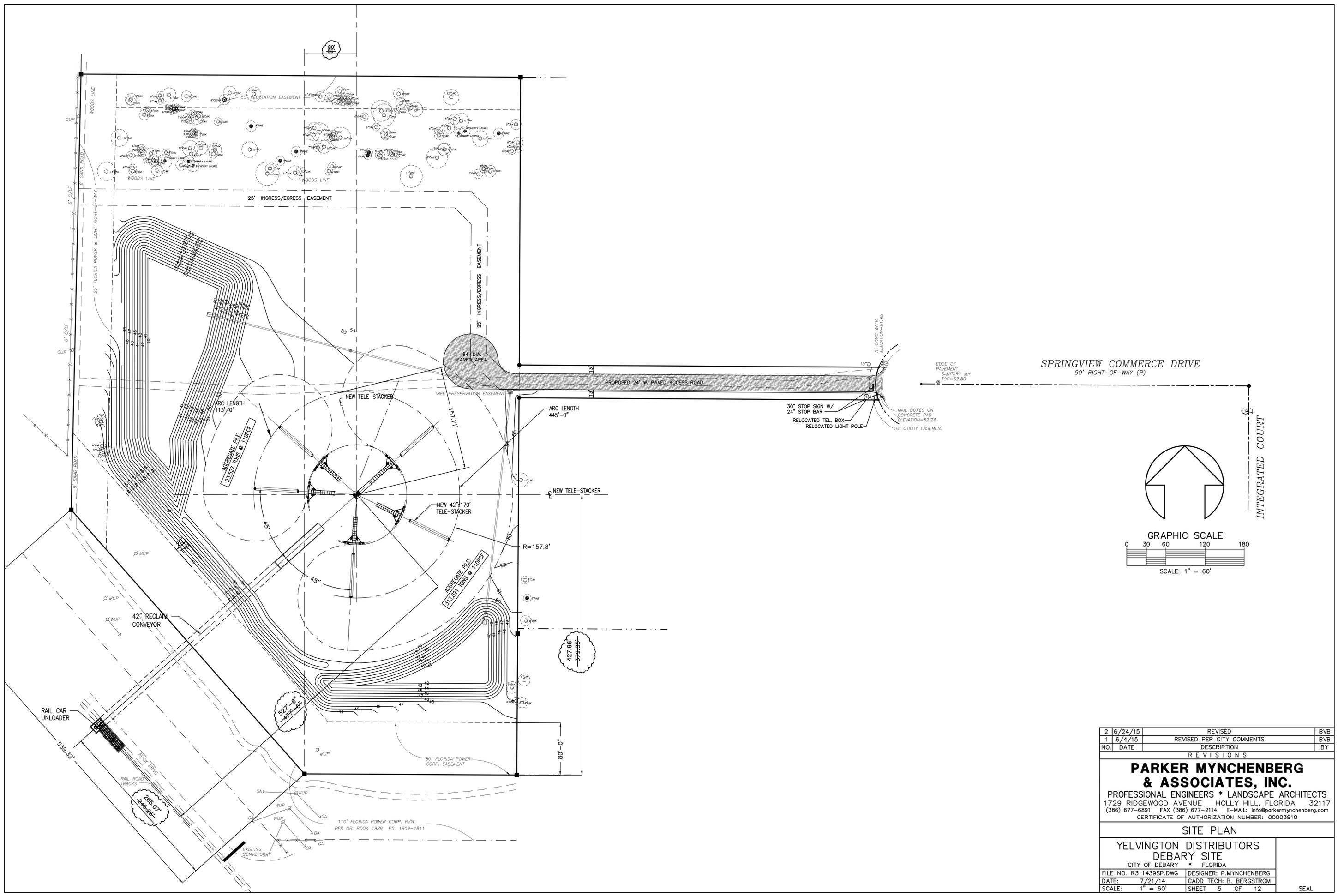
DEMOLITION & EROSION CONTROL PLAN

YELVINGTON DISTRIBUTORS
DEBARY SITE
CITY OF DEBARY * FLORIDA

FILE NO. R2 1439SP.DWG	DESIGNER: P.MYNCHENBERG
DATE: 7/21/14	CADD TECH: B. BERGSTROM
SCALE: 1" = 60'	SHEET 4 OF 12

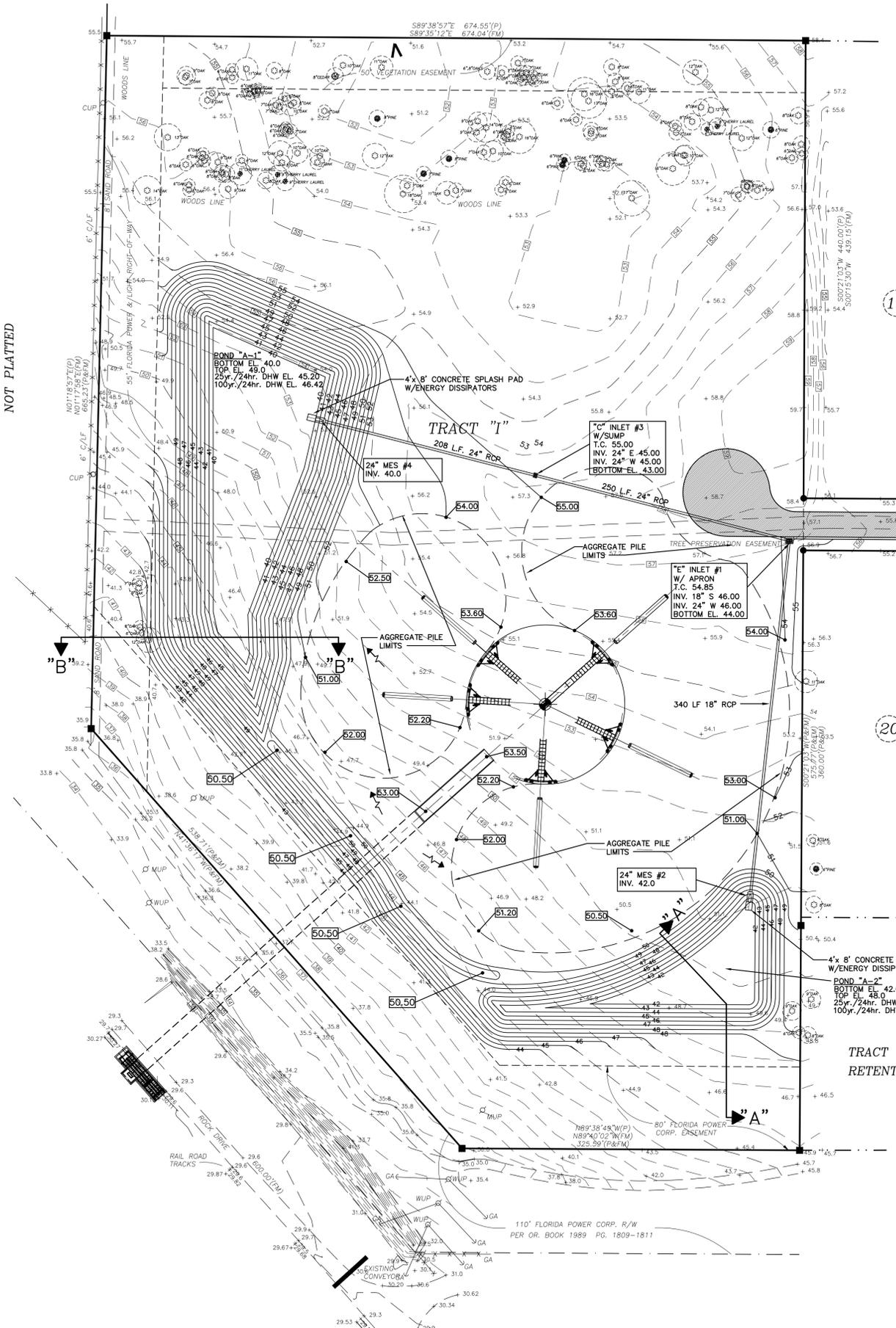
SEAL

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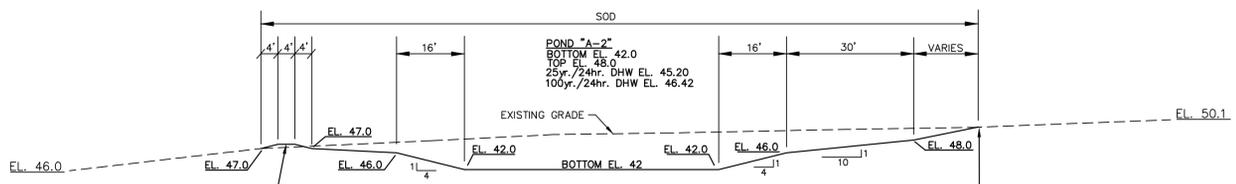
2	6/24/15	REVISED	BVB
1	6/4/15	REVISED PER CITY COMMENTS	BVB
NO.	DATE	DESCRIPTION	BY
R E V I S I O N S			
PARKER MYNCHENBERG & ASSOCIATES, INC.			
PROFESSIONAL ENGINEERS * LANDSCAPE ARCHITECTS			
1729 RIDGEWOOD AVENUE HOLLY HILL, FLORIDA 32117			
(386) 677-6891 FAX (386) 677-2114 E-MAIL: info@parkermynchenberg.com			
CERTIFICATE OF AUTHORIZATION NUMBER: 00003910			
SITE PLAN			
YELVINGTON DISTRIBUTORS DEBARRY SITE			
CITY OF DEBARRY * FLORIDA			
FILE NO.	R3 1439SP.DWG	DESIGNER: P.MYNCHENBERG	
DATE:	7/21/14	CADD TECH: B. BERGSTROM	
SCALE:	1" = 60'	SHEET 5 OF 12	SEAL

NOT PLATTED

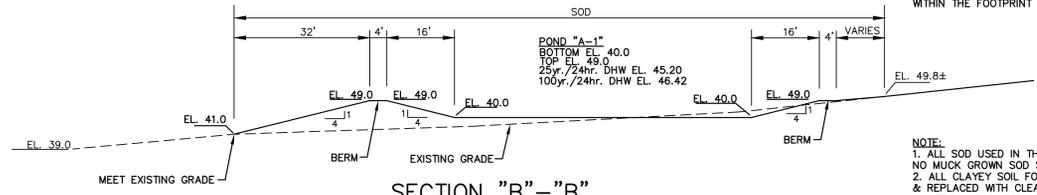


19

20



SECTION "A"-"A"
SCALE: (1"=20')

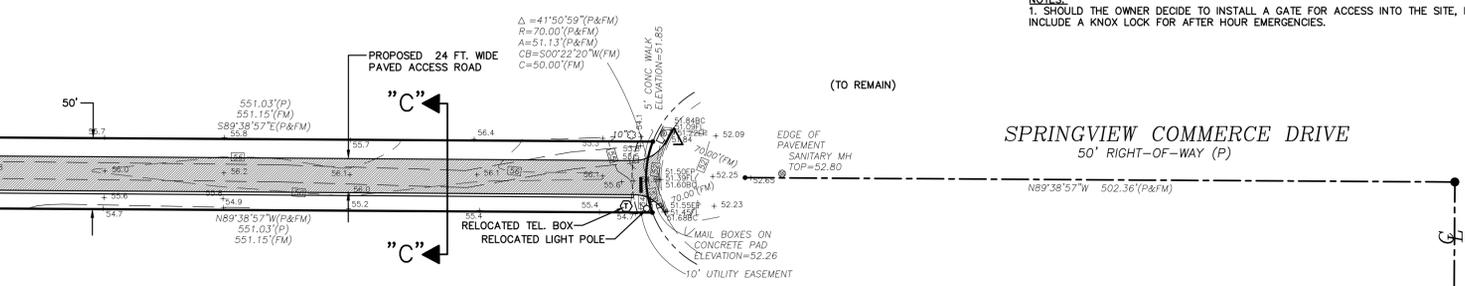


SECTION "B"-"B"
SCALE: (1"=20')

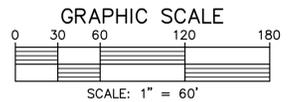
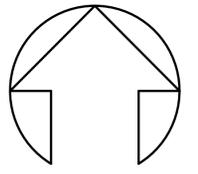
NOTE:
1. ALL SOD USED IN THE LIMITS OF THE RETENTION POND SHALL BE SAND GROWN; NO MUCK GROWN SOD SHALL BE PERMITTED.
2. ALL CLAYEY SOIL FOUND IN THE EXCAVATION OF THE POND SHALL BE REMOVED & REPLACED WITH CLEAN WELL DRAINED SAND FREE OF ORGANICS. REFER TO UNIVERSAL ENGINEERING REPORT #130738.
3. CONTRACTOR SHALL COORDINATE DIRECTLY WITH UNIVERSAL ENGINEERING 386-756-1105 TO PROPERLY REMOVE THE ENTIRE DEPTH OF THE CLAY MATERIAL WITHIN THE FOOTPRINT OF BOTH PONDS.

NOTE:
1. ALL SOD USED IN THE LIMITS OF THE RETENTION POND SHALL BE SAND GROWN; NO MUCK GROWN SOD SHALL BE PERMITTED.
2. ALL CLAYEY SOIL FOUND IN THE EXCAVATION OF THE POND SHALL BE REMOVED & REPLACED WITH CLEAN WELL DRAINED SAND FREE OF ORGANICS. REFER TO UNIVERSAL ENGINEERING REPORT #130738.
3. CONTRACTOR SHALL COORDINATE DIRECTLY WITH UNIVERSAL ENGINEERING 386-756-1105 TO PROPERLY REMOVE THE ENTIRE DEPTH OF THE CLAY MATERIAL WITHIN THE FOOTPRINT OF BOTH PONDS.

NOTES:
1. SHOULD THE OWNER DECIDE TO INSTALL A GATE FOR ACCESS INTO THE SITE, IT SHALL INCLUDE A KNOX LOCK FOR AFTER HOUR EMERGENCIES.



SECTION "C"-"C"



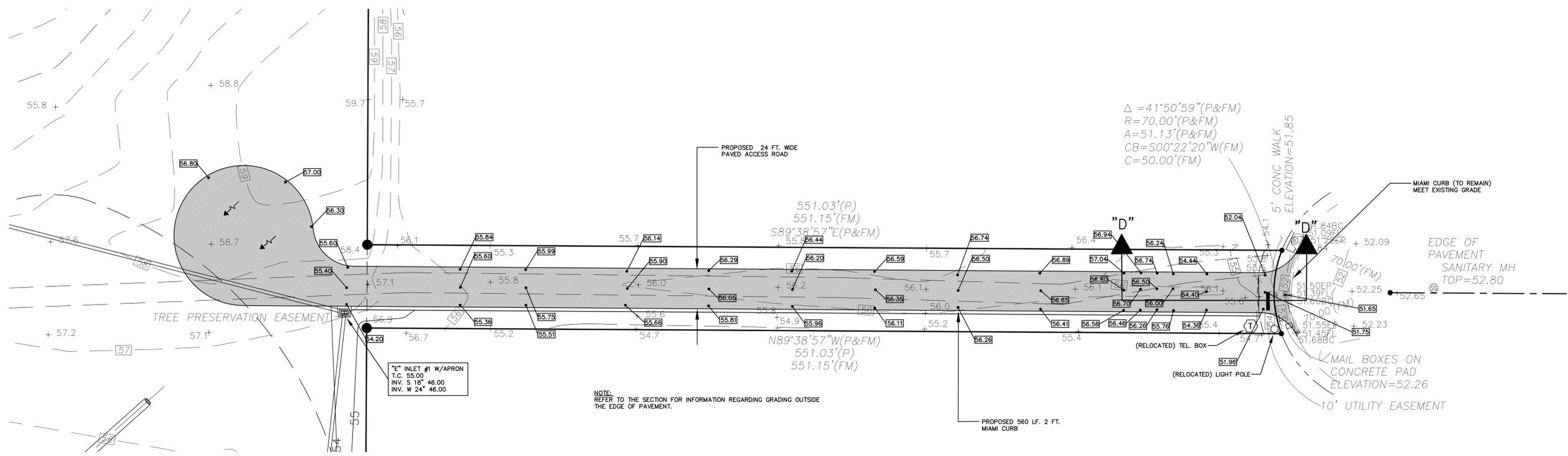
LEGEND

	EXISTING GRADE
	EXISTING CONTOUR
	PROPOSED GRADE
	PROPOSED CONTOUR
	PROPOSED DRAINAGE FLOW PATTERN
	2" ASPHALT TYPE S-1
	8" LIMEROCK BASE (LBR 100)
	12" STABILIZED SUBGRADE (LBR 40)

NOTES:
1. NO PERMANENT STRUCTURES SHALL EXCEED 35 FEET IN HEIGHT.

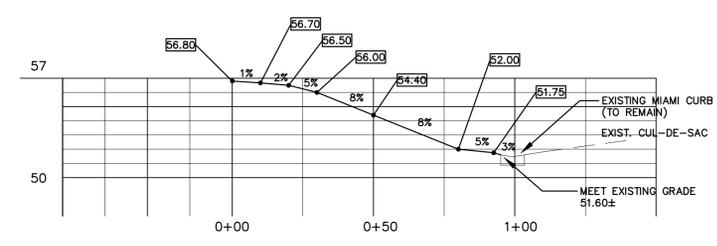
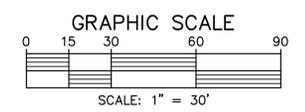
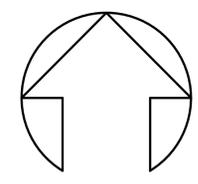
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PROFESSIONAL ENGINEERS * LANDSCAPE ARCHITECTS 1729 RIDGEWOOD AVENUE HOLLY HILL, FLORIDA 32117 (386) 677-6891 FAX (386) 677-2114 E-MAIL: info@parkermynchenberg.com CERTIFICATE OF AUTHORIZATION NUMBER: 00003910			
CIVIL SITE PLAN			
YELVINGTON DISTRIBUTORS DEBARY SITE			
CITY OF DEBARY * FLORIDA			
FILE NO.	R2 1439SP.DWG	DESIGNER: P. MYNCHENBERG	
DATE:	7/21/14	CADD TECH: B. BERGSTROM	
SCALE:	1" = 60'	SHEET 6 OF 12	SEAL

Z:\dmsc_b\work\design\YELVINGTON-DEBARY-04_1439SP.dwg, 8/20/2015 3:38:41 PM DWG TO PDF.pc3, ARCH Ttl: User1 (20.00 x 35.00 inches), 1:60



"E" INLET #1 W/APRON
 T.C. 55.00
 INV. S 18" 46.00
 INV. W 24" 46.00

NOTE:
 REFER TO THE SECTION FOR INFORMATION REGARDING GRADING OUTSIDE
 THE EDGE OF PAVEMENT.



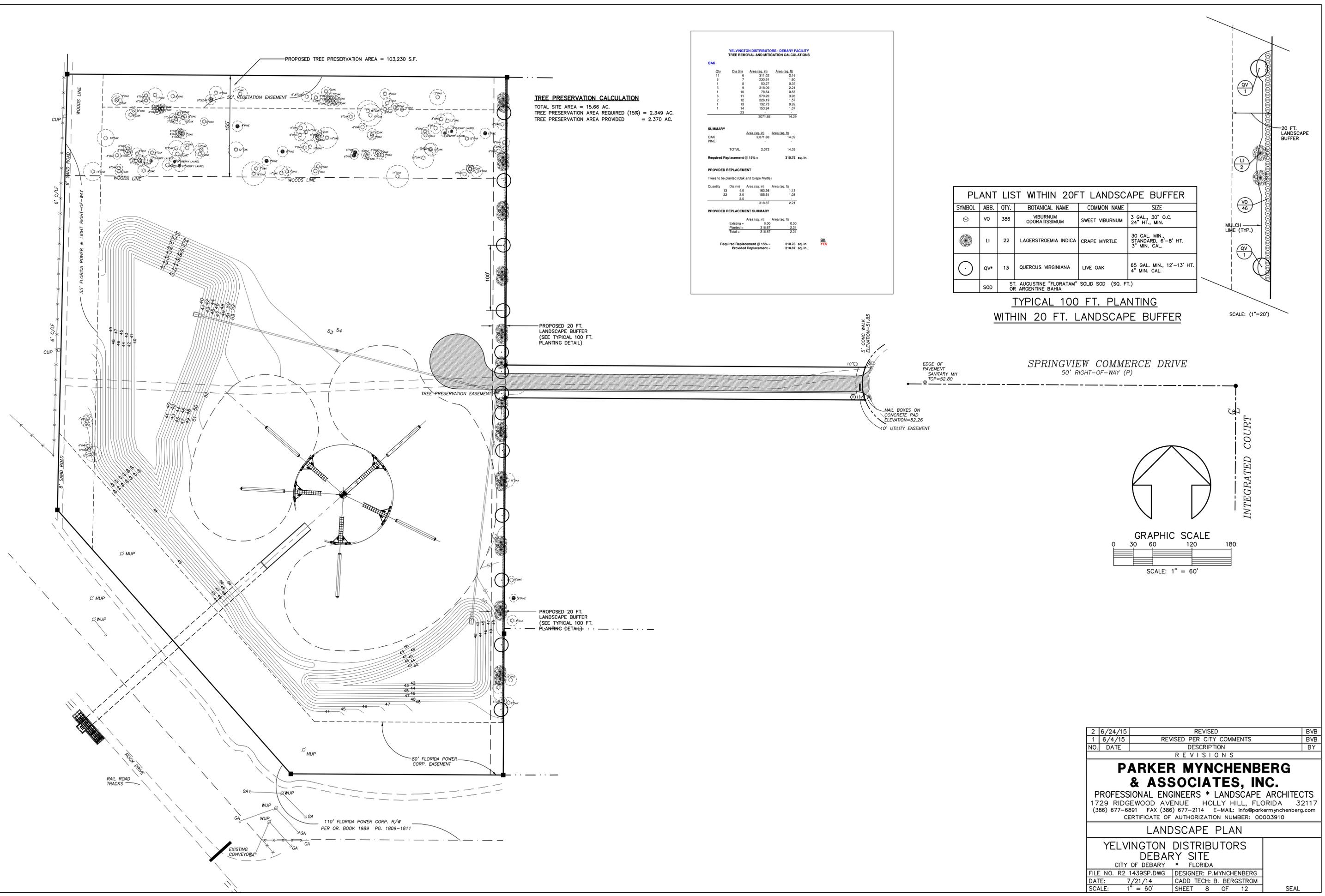
SECTION "D"- "D"
 SCALE: 1" = 30' HORIZ.
 1" = 3' VERT.

LEGEND

+ 56.3	EXISTING GRADE
56.60	PROPOSED GRADE
[Hatched Box]	2" ASPHALT TYPE S-1 8" LIMEROCK BASE (LBR 100) 12" STABILIZED SUBGRADE (LBR 40)

2	6/24/15	REVISED	BVB
1	6/4/15	REVISED PER CITY COMMENTS	BVB
NO.	DATE	DESCRIPTION	BY
R E V I S I O N S			
PARKER MYNCHENBERG & ASSOCIATES, INC.			
PROFESSIONAL ENGINEERS * LANDSCAPE ARCHITECTS 1729 RIDGEWOOD AVENUE HOLLY HILL, FLORIDA 32117 (386) 677-6891 FAX (386) 677-2114 E-MAIL: info@parkermynchenberg.com CERTIFICATE OF AUTHORIZATION NUMBER: 00003910			
ACCESS ROAD PAVING & DRAINAGE			
YELVINGTON DISTRUBUTORS DEBARY SITE CITY OF DEBARY * FLORIDA			
FILE NO.	1439SP.DWG	DESIGNER: P.MYNCHENBERG	
DATE:	7/21/14	CADD TECH: B. BERGSTROM	
SCALE:	1" = 30'	SHEET 7 OF 12	SEAL

Z:\0ncea_B World\desktop\YELVINGTON-DEBARY\03_1439SP.dwg, 8/24/2015 4:14:17 PM DWG TO PDF.pc3, ARCH and layout (24.00 x 36.00 inches), 1:20



TREE PRESERVATION CALCULATION
 TOTAL SITE AREA = 15.66 AC.
 TREE PRESERVATION AREA REQUIRED (15%) = 2,349 AC.
 TREE PRESERVATION AREA PROVIDED = 2,370 AC.

**YELVINGTON DISTRIBUTORS - DEBARY FACILITY
 TREE REMOVAL AND MITIGATION CALCULATIONS**

OAK

Qty	Dia. (in)	Area (sq. ft)	Area (sq. ft)
11	6	311.02	2.16
6	7	350.91	1.90
1	8	50.27	0.35
5	9	318.09	2.21
1	10	78.54	0.56
6	11	670.20	3.96
2	12	206.19	1.97
1	13	132.73	0.92
1	14	153.84	1.07
23		2071.88	14.39

SUMMARY

	Area (sq. ft)	Area (sq. ft)
OAK	2,071.88	14.39
PINE		
TOTAL	2,072	14.39

Required Replacement @ 15% = 310.78 sq. in.

PROVIDED REPLACEMENT

Trees to be planted (Oak and Crape Myrtle)

Quantity	Dia. (in)	Area (sq. ft)	Area (sq. ft)
13	4.0	163.36	1.13
22	3.0	155.51	1.08
3.5		318.87	2.21

PROVIDED REPLACEMENT SUMMARY

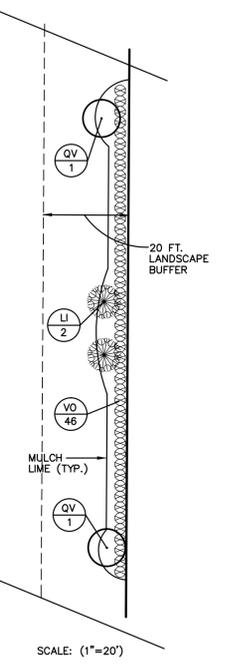
	Area (sq. ft)	Area (sq. ft)
Existing	0.00	0.00
Planted	318.87	2.21
Total	318.87	2.21

Required Replacement @ 15% = 310.78 sq. in.
 Provided Replacement = 318.87 sq. in. **OAK YES**

PLANT LIST WITHIN 20FT LANDSCAPE BUFFER

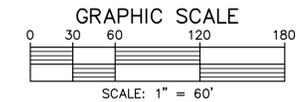
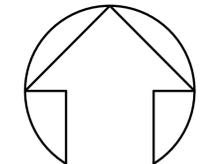
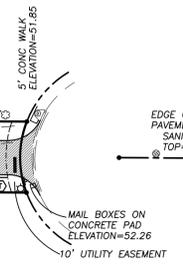
SYMBOL	ABB.	QTY.	BOTANICAL NAME	COMMON NAME	SIZE
VO	VO	386	VIBURNUM ODORATISSIMUM	SWEET VIBURNUM	3 GAL., 30" O.C. 24" HT., MIN.
LI	LI	22	LAGERSTROEMIA INDICA	CRAPE MYRTLE	30 GAL. MIN. STANDARD, 6'-8' HT. 3" MIN. CAL.
QV*	QV*	13	QUERCUS VIRGINIANA	LIVE OAK	65 GAL. MIN., 12'-13' HT. 4" MIN. CAL.
SOD			ST. AUGUSTINE "FLORATAM" SOLID SOD (SQ. FT.) OR ARGENTINE BAHIA		

TYPICAL 100 FT. PLANTING WITHIN 20 FT. LANDSCAPE BUFFER



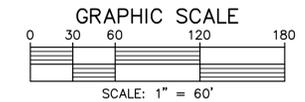
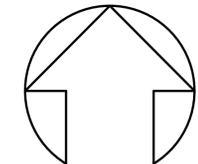
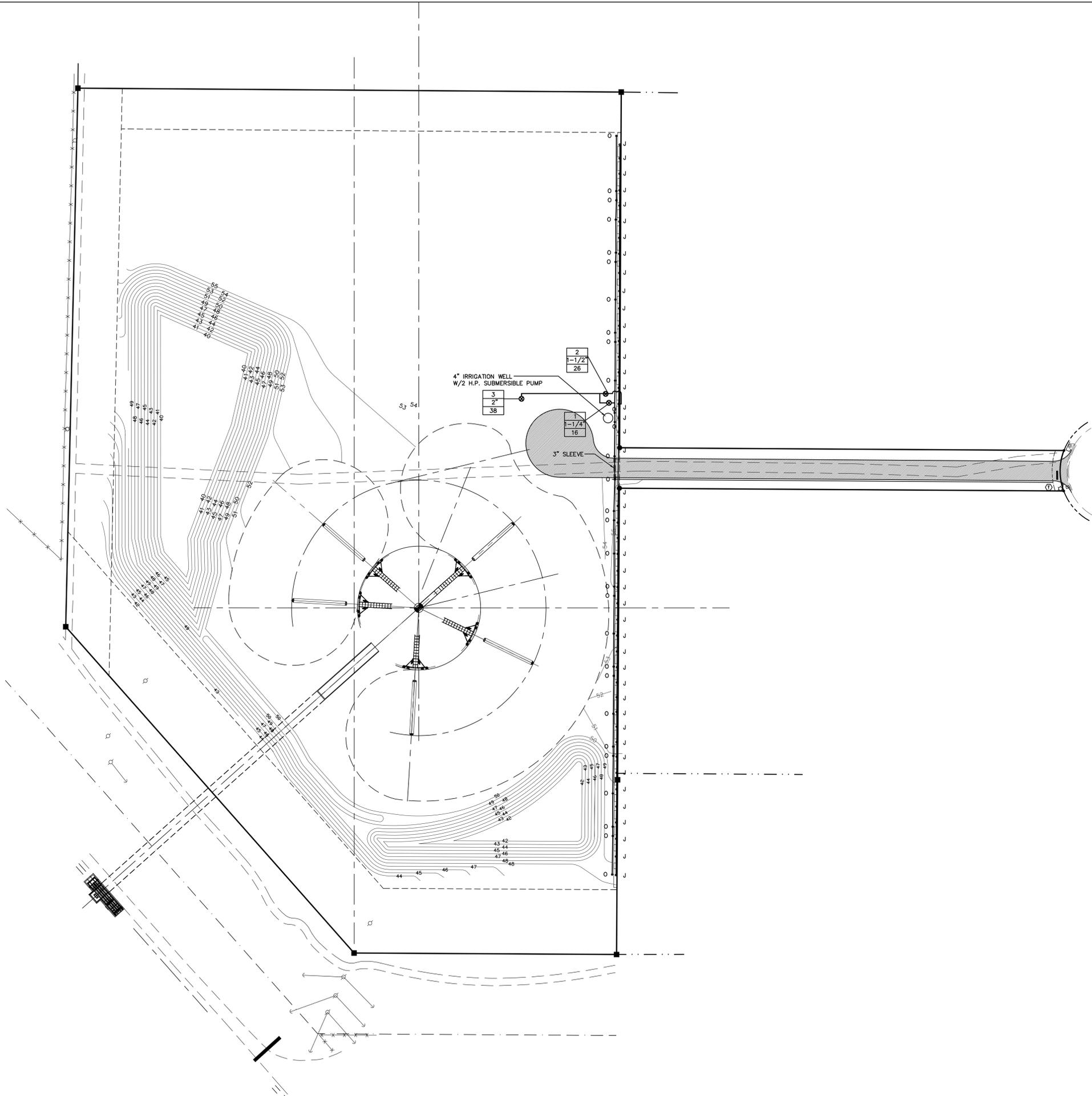
EDGE OF PAVEMENT
 SANITARY MH
 TOP=52.80

SPRINGVIEW COMMERCE DRIVE
 50' RIGHT-OF-WAY (P)



2	6/24/15	REVISED	BVB
1	6/4/15	REVISED PER CITY COMMENTS	BVB
NO.	DATE	DESCRIPTION	BY
REVISIONS			
PARKER MYNCHENBERG & ASSOCIATES, INC.			
PROFESSIONAL ENGINEERS * LANDSCAPE ARCHITECTS			
1729 RIDGEWOOD AVENUE HOLLY HILL, FLORIDA 32117			
(386) 677-6891 FAX (386) 677-2114 E-MAIL: info@parkermynchenberg.com			
CERTIFICATE OF AUTHORIZATION NUMBER: 00003910			
LANDSCAPE PLAN			
YELVINGTON DISTRIBUTORS DEBARY SITE			
CITY OF DEBARY * FLORIDA			
FILE NO.	R2 1439SP.DWG	DESIGNER: P.MYNCHENBERG	
DATE:	7/21/14	CADD TECH: B. BERGSTROM	
SCALE:	1" = 60'	SHEET 8 OF 12	SEAL

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NO.	DATE	DESCRIPTION	BY
2	6/24/15	REVISED	BVB
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R E V I S I O N S

PARKER MYNCHENBERG & ASSOCIATES, INC.

PROFESSIONAL ENGINEERS * LANDSCAPE ARCHITECTS
 1729 RIDGEWOOD AVENUE HOLLY HILL, FLORIDA 32117
 (386) 677-6891 FAX (386) 677-2114 E-MAIL: info@parkermynchenberg.com
 CERTIFICATE OF AUTHORIZATION NUMBER: 00003910

IRRIGATION PLAN

YELVINGTON DISTRIBUTORS DEBARY SITE CITY OF DEBARY * FLORIDA		SEAL
FILE NO. R2 1439SP.DWG	DESIGNER: P.MYNCHENBERG	
DATE: 7/21/14	CADD TECH: B. BERGSTROM	
SCALE: 1" = 60'	SHEET 9 OF 12	

Z:\bmc_ B World\desktop\YELVINGTON-DEBARY.RA_1439SP.dwg, 8/24/2015, 3:40:25 PM, DWG, TTY: P:\T:\pc5, ARCH, full bleed D (24.00 x 36.00 inches), 1:60

REQUIREMENTS FOR "AS-BUILT" DRAWINGS

IN ORDER TO ENSURE THAT NEW DEVELOPMENTS WITHIN THE CITY ARE CONSTRUCTED SUBSTANTIALLY IN ACCORDANCE WITH CITY REGULATIONS AND THE APPROVED DRAWINGS "AS-BUILT" DRAWINGS ARE REQUIRED:

THE FOLLOWING INFORMATION IS REQUIRED ON ALL PAVING AND DRAINAGE "AS-BUILT" DRAWINGS:

- PAVEMENT AND CURB WIDTHS SHALL BE VERIFIED AND DIMENSIONED FOR EACH STREET AT EACH BLOCK. ALL RADI AT INTERSECTIONS SHALL BE VERIFIED AND DIMENSIONED. THIS INFORMATION TO CLEARLY INDICATE IT AS BEING "AS-BUILT" INFORMATION.
- ROADWAY ELEVATIONS SHALL BE RECORDED AT ALL GRADE CHANGES OR OTHER INTERVALS AS NEEDED ALONG ALL STREETS. STREET CENTERLINE AND CURB INVERT ELEVATIONS SHALL BE RECORDED AS NOTED. THE "AS-BUILT" CENTERLINE PROFILE OF ALL STREETS SHALL ALSO BE SHOWN ON THE PLAN AND PROFILE SO IT MAY BE COMPARED TO THE EXISTING AND DESIGNED PROFILE GRADE LINES. ALL STREET CENTERLINES ON "AS-BUILTS" SHALL BE LABELED WITH STREET NAME AND RIGHT-OF-WAY WIDTH ON EVERY PAGE.
- STORM DRAINAGE STRUCTURES SHALL BE LOCATED AND/OR DIMENSIONED FROM CENTERLINES OR LOT LINES AS APPROPRIATE.
- STORM DRAINAGE PIPE INVERT AND STRUCTURE TOP AND BOTTOM ELEVATIONS SHALL BE RECORDED AND CLEARLY DENOTED AS "AS-BUILT" INFORMATION. DESIGN ELEVATIONS SHALL BE CROSSED OUT AND "AS-BUILT" INFORMATION WRITTEN NEXT TO IT.
- STORM DRAINAGE PIPE MATERIAL, LENGTH, AND SIZE SHALL BE MEASURED AND/OR VERIFIED. THIS INFORMATION TO CLEARLY INDICATE IT AS BEING "AS-BUILT" INFORMATION.
- ALL APPLICABLE TOPOGRAPHIC INFORMATION, PERTINENT TO THE ON SITE DRAINAGE SYSTEM SUCH AS DITCHES, LAKES, CANALS, ETC. THAT ARE DEEMED APPROPRIATE BY THE CITY SHALL BE NOTED. NORMALLY, RECORDING ELEVATIONS EVERY 100 FEET AT THE TOP OF BANK AND TOE OF SLOPE WILL BE REQUIRED. MEASUREMENTS SHALL BE TAKEN AND RECORDED IN ORDER TO ACCURATELY TIE DOWN THESE FEATURES TO THE ROADWAY CENTERLINES AND TO PLAT LINES. WHENEVER POSSIBLE, CONTOUR LINES SHALL BE UTILIZED TO GRAPHICALLY DESCRIBE THESE TOPOGRAPHIC FEATURES.
- RETENTION AREAS SHALL HAVE THEIR TOP-OF-BANK AND BOTTOM ELEVATIONS RECORDED. ACTUAL MEASUREMENTS SHALL BE TAKEN AND DIMENSIONS RECORDED. THE SIZE OF ALL RETENTION AREAS. MEASUREMENTS SHALL BE DONE FROM TOP-OF-BANK TO TOP-OF-BANK WITH SIDE SLOPES INDICATED. SEPARATE CALCULATIONS SHALL BE SUBMITTED TO INDICATE REQUIRED AND PROVIDED RETENTION VOLUMES.
- STORM DRAINAGE SWALE CENTERLINES SHALL BE LOCATED AND ELEVATIONS OF FLOW LINE SHALL BE RECORDED EVERY 100 FEET.
- ANY SPECIAL FEATURES SUCH AS CONCRETE FLUMES, LAKE BANKS, WALLS, FENCING, ETC., WHICH WERE A PART OF THE APPROVED CONSTRUCTION DRAWINGS SHOULD ALSO BE LOCATED AND DIMENSIONED.
- ACTUAL MATERIALS USED AND ELEVATIONS AND DIMENSIONS OF OVERFLOW WEIR STRUCTURES AND SKIMMERS SHALL BE NOTED ON THE "AS-BUILT".

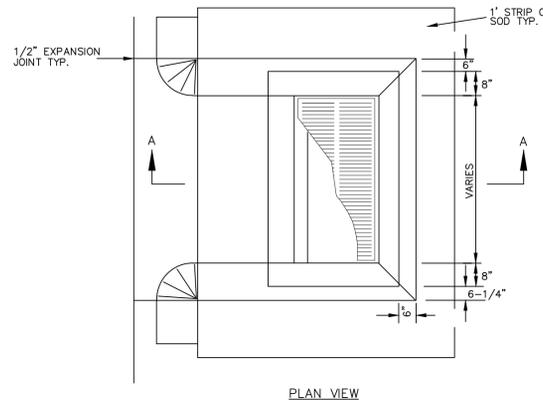
THE FOLLOWING INFORMATION IS REQUIRED ON ALL WATER AND SEWER "AS-BUILT" DRAWINGS:

- SANITARY SEWER MANHOLES SHALL BE VERIFIED AND DIMENSIONED FROM STREET CENTERLINES OR LOT LINES AS APPROPRIATE. ALL RIM AND INVERT ELEVATIONS SHALL BE VERIFIED AND RECORDED. THIS INFORMATION TO CLEARLY INDICATE IT AS BEING "AS-BUILT" INFORMATION.
- SANITARY SEWER LINE LENGTHS, SIZES, MATERIAL, SLOPE, ETC., SHALL BE VERIFIED AND RECORDED. THIS INFORMATION TO CLEARLY INDICATE IT AS BEING "AS-BUILT" INFORMATION.
- SEWER LATERALS SHALL BE VERIFIED AND RECORDED AT THEIR CLEAN-OUT LOCATIONS. STATIONING AND OFFSET DISTANCES SHALL BE MEASURED FROM DOWNSTREAM MANHOLES TOWARDS UPSTREAM MANHOLES.
- LIFT STATIONS AND FORCE MAINS SHALL BE VERIFIED AND DIMENSIONED FROM STREET CENTERLINES OR LOT LINES AS APPROPRIATE. FORCE MAIN DEPTH AND LOCATION INCLUDING VALVES WILL BE PROVIDED AND TIED TO PERMANENT ABOVE GRADE FEATURES EVERY 500 FEET. DIMENSIONAL AND ELEVATION INFORMATION INDICATED ON THE APPROVED PLAN SHALL BE VERIFIED AND RECORDED. THIS INFORMATION TO CLEARLY INDICATE IT AS BEING "AS-BUILT" INFORMATION. BURIED ELECTRICAL SERVICE LINE SHALL BE CLEARLY DIMENSIONED, LOCATED AND LABELED.
- CURB CUTS OR METAL TABS, USED TO MARK SEWER LATERALS, WATER SERVICES AND WATER VALVES, SHALL BE VERIFIED FOR PRESENCE AND ACCURACY OF LOCATION.
- WATER MAIN LINES SHALL BE DIMENSIONED OFF THE BACK OF CURB OR EDGE OF PAVEMENT IF NO CURB IS PRESENT. WATER MAIN LINE MATERIAL, SIZE, LENGTH AND DEPTH PLACED SHALL ALSO BE NOTED. THIS INFORMATION TO CLEARLY INDICATE IT AS BEING "AS-BUILT" INFORMATION.
- WATER VALVES, TEES, ALL SERVICES, BLOW-OFFS AND FIRE HYDRANTS SHALL BE LOCATED BY TYING THEM TO SANITARY SEWER MANHOLES. STATIONING AND OFFSET DISTANCES SHALL BE MEASURED FROM DOWNSTREAM MANHOLES TO UPSTREAM MANHOLES.

THE FOLLOWING INFORMATION IS GENERAL REQUIREMENTS OF ALL "AS-BUILT" DRAWINGS:

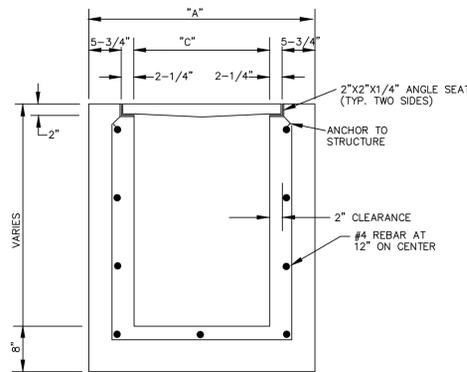
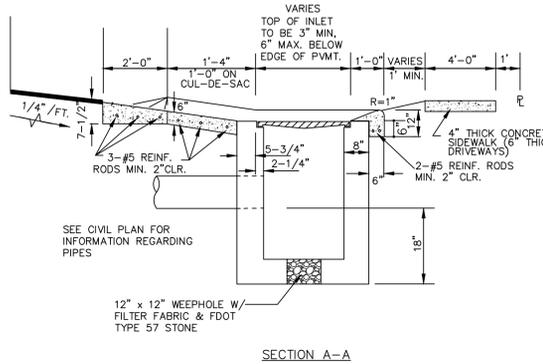
- FOR PERPENDICULAR CROSSINGS OF STORMWATER, SANITARY SEWER, POTABLE WATER, OR RECLAIMED WATER, THE "AS-BUILT" PLANS SHALL CLEARLY INDICATE WHICH UTILITIES ARE LOCATED OVER OR UNDER OTHER UTILITIES, AS NECESSARY.
- WHEN STORMWATER, POTABLE WATER, RECLAIMED WATER, OR SANITARY SEWER IMPROVEMENTS ARE LOCATED WITHIN AN EASEMENT, THE "AS-BUILT" SHALL ACCURATELY DEPICT THE LOCATION OF THE EASEMENT ITSELF AS WELL AS THE EXACT LOCATION OF THE IMPROVEMENTS WITHIN THE EASEMENT. THIS IS REQUIRED IN ORDER TO VERIFY THAT THE IMPROVEMENTS HAVE BEEN PROPERLY LOCATED AND TO ENSURE THAT FUTURE SUBSURFACE EXCAVATION TO PERFORM REMEDIAL REPAIR CAN BE ACCOMPLISHED WITHOUT DISTURBANCE BEYOND THE EASEMENT. SUCH DOCUMENTATION AND THE ASSOCIATED PROPOSED EASEMENT DOCUMENT WITH LEGAL DESCRIPTION SHALL BE SUBMITTED FOR CITY REVIEW AND APPROVAL PRIOR TO RECORDING OF SAID EASEMENT. UPON CITY APPROVAL, THE EASEMENT SHALL BE RECORDED VIA A SEPARATE LEGAL INSTRUMENT AND SHALL NOT BE INCLUDED AS PART OF HOMEOWNER COVENANTS AND RESTRICTIONS.
- SUBMIT CERTIFIED PAPER PRELIMINARY "AS-BUILT" WITH REQUEST FOR FINAL INSPECTION. SUBMIT 3 SETS SHOWING WATER FACILITIES, 3 SETS WITH SEWER FACILITIES, AND 3 SETS WITH PAVING AND DRAINAGE FACILITIES. FOLLOWING FINAL INSPECTION AND COMMENTS, THE CONTRACTOR SHALL REVISE AS-BUILTS TO ADDRESS CITY COMMENTS AND SUBMIT 3 SETS CERTIFIED FINAL "AS-BUILTS" ALONG WITH 1 SET CERTIFIED MYLARS AND 1 CD-ROM CONTAINING AUTO-CAD FILES AND PDF VERSIONS SHOWING ALL "AS-BUILT" SHEETS. ALL "AS-BUILT" DRAWINGS SHALL BE CERTIFIED BY A REGISTERED LAND SURVEYOR AND ENGINEER OF RECORD.
- INDICATE VERTICAL DATUM REFERENCE ON ALL SHEETS.
- CAD FILE OF "AS-BUILTS" SHALL BE IN STATE PLANE COORDINATES; FILE SHOULD INCLUDE REFERENCE TO PROJECTION. (FLORIDA EAST, NAD83)
- ALL "AS-BUILT" DRAWINGS SHALL BE PREPARED BY A FLORIDA REGISTERED LAND SURVEYOR USING THE FINAL APPROVED SITE DESIGN PREPARED BY THE ENGINEER OF RECORD. LINE WEIGHTS, LINETYPES, AND ANNOTATION SHALL BE MANAGED IN A MANNER THAT CLEARLY DISTINGUISHES DESIGN INFORMATION FROM "AS-BUILT" INFORMATION.
- ALL "AS-BUILT" SHEETS SHALL INCLUDE A TITLE BLOCK AND CLEARLY STATE PROJECT NAME, PROJECT SURVEYOR, DATE OF FIELD WORK, AS WELL AS PROJECT CERTIFICATION BLOCK FROM THE ENGINEER OF RECORD.

NOTE: REFERENCES TO WATER SHALL MEAN BOTH POTABLE AND RECLAIMED WATER.

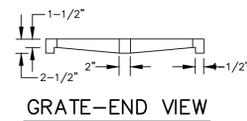


STORM INLET APRON

NTS



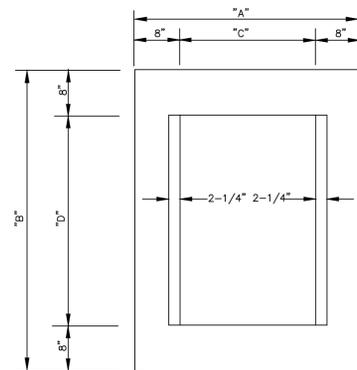
CAST IRON GRATE



INLET TYPE	DIMENSIONS					
	A	B	C	D	E	F
"c"	3'-4"	4'-5"	2'-0"	3'-1"	3'-0"	2'-4"
"e"	4'-4"	5'-10"	3'-0"	4'-6"	4'-4"	3'-4"

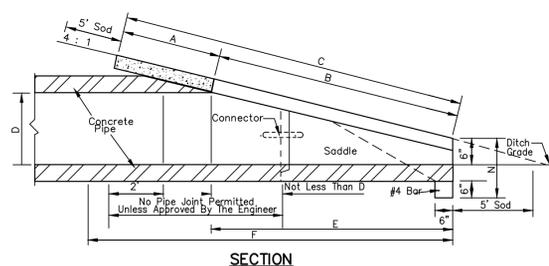
GENERAL NOTES:

- ALL EXPOSED EDGES AND CORNERS TO BE CHAMFERED 3/4".
- CAST IRON GRATES TO BE IN ACCORDANCE WITH FLORIDA D.O.T. SPECS.
- TYPE "E" MODIFIED INLET IS A TYPE "E" TURNED 90° TO RECEIVE R.C.P.'S UP TO 48" DIA. INLETS RECEIVING R.C.P.'S LARGER THAN 48" DIA. SHALL BE IN ACCORDANCE WITH FLORIDA D.O.T. STANDARDS, AND SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
- INLET WALLS AND FOOTINGS MAY BE EITHER POURED-IN-PLACE 2500 LB. CONCRETE OR PRECAST CLASS "A" 3000 LB. CONCRETE OR STANDARD MANHOLE BRICK (NO BLOCK) WITH 1/2" PLASTER (NO LIME) W/ 8" PRECAST CAP.
- GRATES FOR TYPE "E" AND "E" MOD. ARE TO BE CAST IN TWO SECTIONS.
- STEEL REINFORCING SHALL BE DESIGNED BY A F.L.A. REG. P.E., AND BE DESIGNED FOR EACH SPECIFIC STRUCTURE.
- SHOP DRAWINGS FOR ALL STRUCTURES SHALL BE SUBMITTED TO AND APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.



PLAN

TYPE "C" & "E" INLET

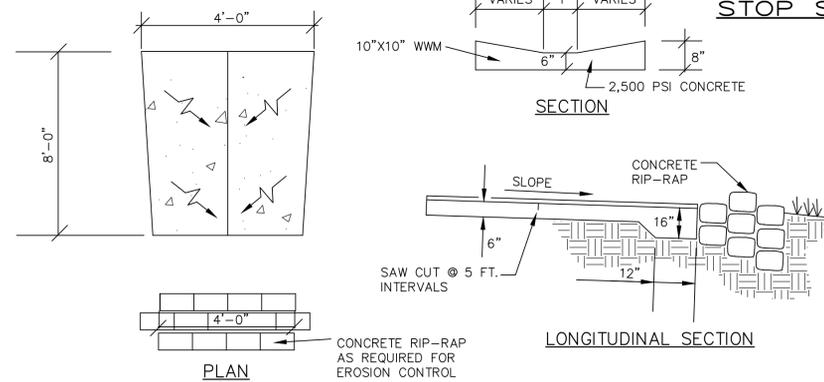


SECTION

D	X	A	B	C	E	F	G	M	N
15'	2'-7"	2.27'	4.09'	6.36'	4.03'	8'	1.22'	4.63'	7.21'
18'	2'-10"	2.36'	5.12'	7.48'	5.03'	9'	1.41'	4.92'	7.75'
24'	3'-5"	2.53'	7.18'	9.71'	7.03'	11'	1.73'	5.50'	8.92'
30'	4'-3"	2.70'	9.25'	11.95'	9.03'	13'	2.00'	6.08'	10.33'

6.42' 6.25' DIMENSIONS PERMITTED TO ALLOW USE OF 8" STANDARD PIPE LENGTHS 10.40' 10.10' DIMENSIONS PERMITTED TO ALLOW USE OF 8" STANDARD PIPE LENGTHS CONCRETE SLAB SHALL BE DEPENDED TO FORM BRIDGE ACROSS CROWN OF PIPE

ALTERNATE:
FLARED END SECTION PER F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARD DETAIL INDEX 270

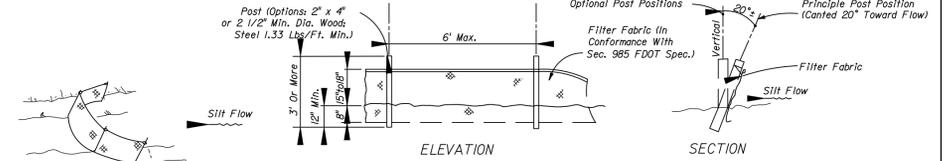


PLAN

CONCRETE SPLASH PAD DETAILS

EROSION CONTROL NOTES

- SITE WORK, CLEARING, EXCAVATION AND CONSTRUCTION ACTIVITIES TO INCORPORATE BEST MANAGEMENT PRACTICES TO CONTROL EROSION SEDIMENTATION AND THE POTENTIAL FOR DOWNSTREAM WATER QUALITY DEGRADATION. CONSTRUCTION PRACTICES TO INCLUDE:
 - CONSTRUCTION OF TEMPORARY SEDIMENTATION BASINS OR EARTHEN BERMS TO BE PLACED AT DOWN GRADE ENDS OF NEWLY GRADED AREAS TO PROVIDE FOR SEDIMENT AND TURBIDITY REMOVAL PRIOR TO STORMWATER DISCHARGE.
 - SITE CLEARING TO BE LIMITED TO AREAS REQUIRED TO BE CLEARED WITH A PARTICULAR PHASE OF CONSTRUCTION. EXISTING TREES AND VEGETATION TO REMAIN WHEREVER POSSIBLE.
 - INSTALLATION OF TURBIDITY NETS AND/OR HAY BALES OVER VARIOUS DISCHARGE STREAM BEDS TO REMAIN IN PLACE UNTIL CONSTRUCTION ACTIVITIES UPLAND ARE COMPLETED AND THE POTENTIAL FOR EROSION IS STABILIZED.
- LAKE, DITCH AND SWALE BANKS TO BE SEEDED AND MULCHED AS SOON AS POSSIBLE AFTER CONSTRUCTION TO STABILIZE SLOPES AND CONTROL EROSION.



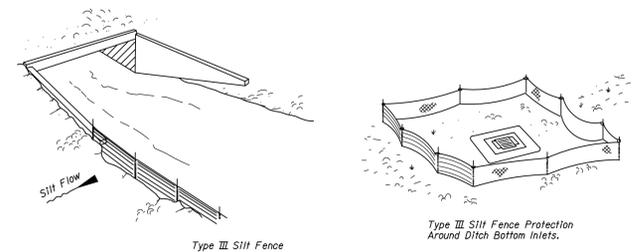
ELEVATION

SECTION

Note: Spacing for Type III Fence to be in accordance with FDOT Design Index No. 102, Chart 1, Sheet 1 of 3 and ditch installations at drainage structures Sheet 2 of 3.

Note: Silt Fence to be paid for under the contract unit price for Staked Silt Fence (LF).

TYPE III SILT FENCE



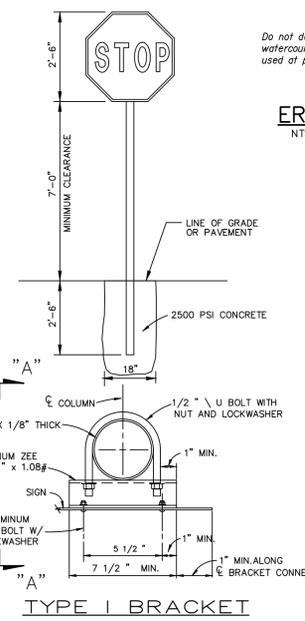
Type III Silt Fence

Type III Silt Fence Protection Around Ditch Bottom Inlets

Do not deploy in a manner that silt fences will act as a dam across permanent flowing watercourses. Silt fences are to be used at upland locations and turbidity barriers used at permanent bodies of water.

SILT FENCE APPLICATIONS EROSION CONTROL - SILT FENCE

NTS

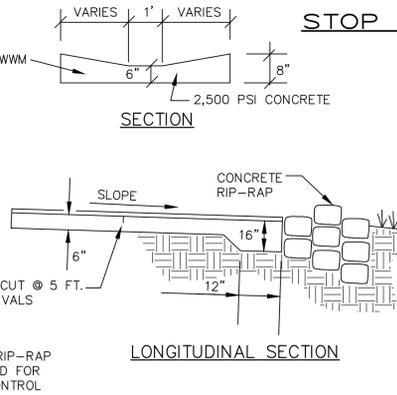


MIAMI CURB

TYPE I BRACKET

VIEW A-A

STOP SIGN CONSTRUCTION DETAIL



SECTION

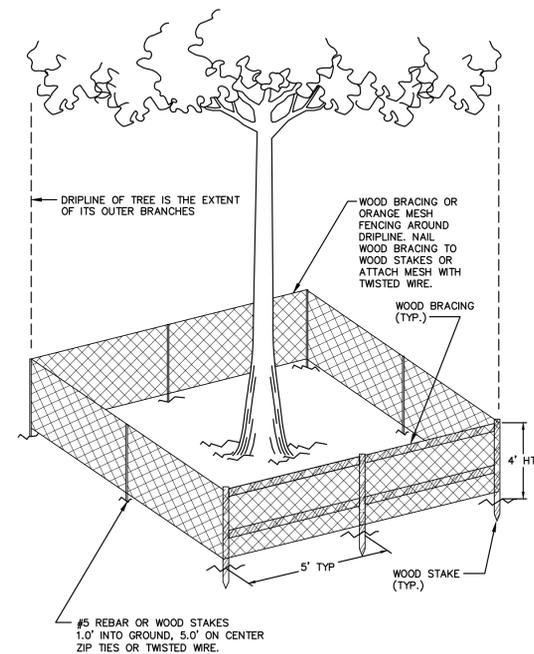
LONGITUDINAL SECTION

NO.	DATE	DESCRIPTION	BY
2	6/24/15	REVISED	BVB
1	6/4/15	REVISED PER CITY COMMENTS	BVB
REVISIONS			
PARKER MYNCHENBERG & ASSOCIATES, INC.			
PROFESSIONAL ENGINEERS * LANDSCAPE ARCHITECTS			
1729 RIDGEWOOD AVENUE HOLLY HILL, FLORIDA 32117			
(386) 677-6891 FAX (386) 677-2114 E-MAIL: info@parkermynchenberg.com			
CERTIFICATE OF AUTHORIZATION NUMBER: 00003910			
PAVING AND DRAINAGE DETAILS			
YELVINGTON DISTRIBUTORS		DEBARY FACILITY	
CITY OF DEBARY		FLORIDA	
FILE NO. 1439PD.DWG	DESIGNER: P. MYNCHENBERG		
DATE: 7/21/14	DRAFTSMAN: B. BERGSTROM		
SCALE: NONE	SHEET 10 OF 12	SEAL	

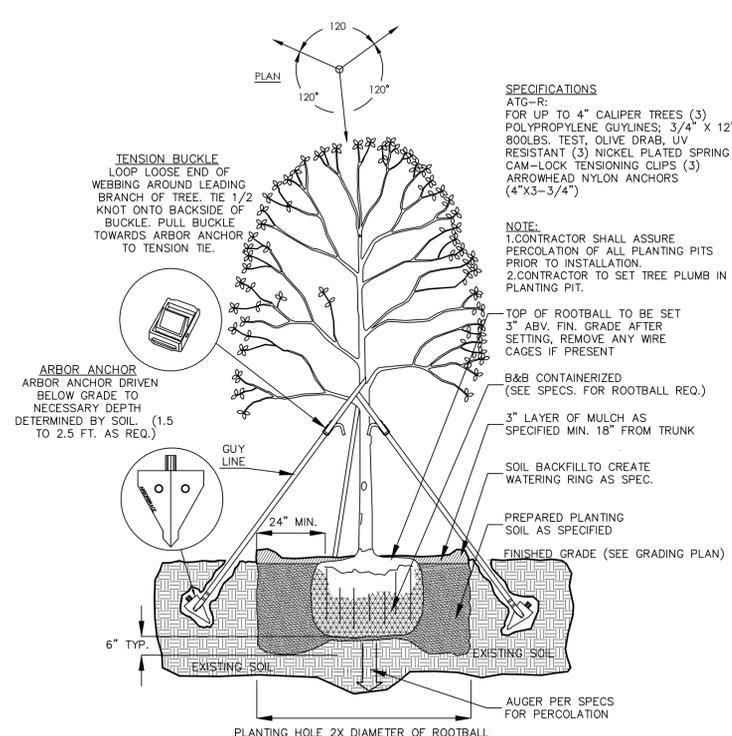
LANDSCAPE NOTES

LANDSCAPE REQUIREMENTS:

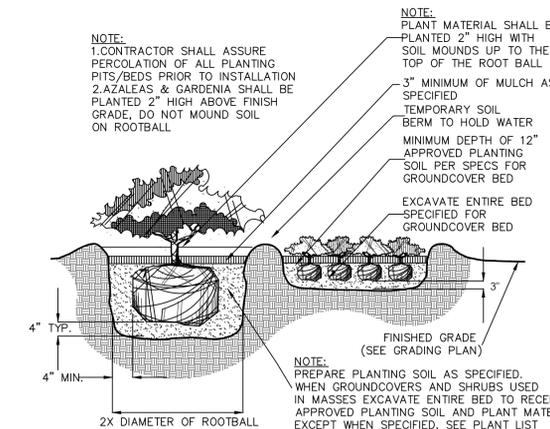
- 1.) ALL PLANT MATERIALS SHALL BE FLORIDA NO. 1 GRADE, OR BETTER, ACCORDING TO THE CURRENT GRADES AND STANDARDS FOR NURSERY PLANTS*, STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE, TALLAHASSEE. TREES AND SHRUBS ARE TO BE CONTAINER GROWN. NO BALL AND BURLAP OR NON-CONTAINERIZED PLANTS WILL BE ALLOWED.
- 2.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING PROJECT SOILS. THE CONTRACTOR SHALL PROVIDE A CERTIFIED SOILS REPORT TO THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL VERIFY THAT ON-SITE SOILS ARE ACCEPTABLE FOR PROPER GROWTH OF THE PROPOSED PLANT MATERIAL. SHOULD THE CONTRACTOR FIND POOR SOIL CONDITIONS, THE OWNER'S REPRESENTATIVE SHALL BE CONSULTED PRIOR TO PLANTING.
- 3.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS AND WORK CALLED FOR IN THE LANDSCAPE PLAN DOCUMENTS. THE PLANT LIST QUANTITIES SHALL BE USED AS A GUIDE ONLY. THE CONTRACTOR SHALL VERIFY ALL QUANTITIES AND REPORT ANY DISCREPANCIES.
- 4.) ALL PLANT BEDS AND ALL EXISTING AND PROPOSED PARKING LOT ISLANDS SHALL BE DRESSED WITH 3" MINIMUM SHREDED CYPRESS MULCH.
- 5.) THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR STABILITY AND PLUMB CONDITION OF ALL PLANTS AND SHALL BE LEGALLY LIABLE FOR ANY DAMAGE CAUSED BY INSTABILITY OF PLANT MATERIALS.
- 6.) THE CONTRACTOR SHALL DISPOSE OF STUMPS AND MAJOR ROOTS OF ALL PLANTS TO BE REMOVED.
- 7.) THE LANDSCAPE CONTRACTOR SHALL BECOME THOROUGHLY FAMILIAR WITH ALL OTHER WORK TO BE DONE ON SITE, PRIOR TO LANDSCAPE INSTALLATION.
- 8.) THE CONTRACTOR SHALL INSURE ADEQUATE VERTICAL DRAINAGE IN ALL PLANT PITS. TEST HOLES FOR THE VISUAL INSPECTION OF DRAINAGE SHALL BE DUG PRIOR TO INSTALLATION OF ANY PLANTS. THE CONTRACTOR SHALL AMEND POOR DRAINAGE UNTIL ACCEPTABLE FOR PLANT SURVIVABILITY.
- 9.) PLANTING BACKFILL MIX SHALL BE 1/4 PEAT, 1/4 COMPOSTED COW MANURE, 1/2 CLEAN SOIL.
- 10.) THE CONTRACTOR SHALL REPLACE ALL PLANTS WHICH ARE NOT IN A HEALTHY, GROWING CONDITION PRIOR TO ACCEPTANCE. ALL PLANTS SHALL BE MAINTAINED AND GUARANTEED BY THE CONTRACTOR FOR A PERIOD OF 90 DAYS FOLLOWING ACCEPTANCE BY THE OWNER. ANY PLANTS FOUND NOT TO BE IN A HEALTHY GROWING CONDITION AT THE END OF THE GUARANTEE PERIOD SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER.
- 11.) SOD SHALL BE STRONG, SOLID SOD PLACED EVENLY AND WITHOUT GAPS BETWEEN PIECES. GROUND SHALL BE THOROUGHLY WETTED BEFORE PLACING SOD. SOD SHALL BE PLACED TO LIMITS SHOWN AND TO THE EXTENT OF DAMAGED EXISTING SOD. EXISTING GROUND SHALL BE STRIPPED BEFORE PLACING NEW SOD.
- 12.) THE LIVE OAKS SHALL BE CONTAINER GROWN AND NOT BAG AND BURLAP TYPE. LIVE OAKS SHALL BE PLANTED 2" ABOVE GRADE.
- 13.) PLANTING PLANS SHALL TAKE PRECEDENCE OVER PLANT LIST IN CASE OF DISCREPANCIES.
- 14.) NO CHANGES ARE TO BE MADE WITHOUT THE PRIOR CONSENT OF THE LANDSCAPE ARCHITECT AND OWNER. ADDITIONS AND/OR DELETIONS TO THE PLANT MATERIAL MUST BE APPROVED BY THE PROJECT MANAGER.
- 15.) LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THEIR OWN SQUARE FOOTAGE TAKEOFFS AND FIELD VERIFICATIONS FOR 100% SOD COVERAGE FOR ALL ARE SPECIFIED. THE PROJECT MANAGER.
- 16.) ALL LANDSCAPE AREAS ARE TO BE PROVIDED WITH AUTOMATIC SPRINKLER SYSTEM WHICH WILL PROVIDE 100% COVERAGE AND 50% OVERLAP.
- 17.) LANDSCAPE CONTRACTOR TO PROVIDE DESIGN LANDSCAPE ARCHITECT A DETAILED LANDSCAPE "AS-BUILT".
- 18.) THE LANDSCAPE CONTRACTOR IS TO LOCATE AND VERIFY ALL UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO BEGINNING WORK. CONTACT PROPER UTILITY COMPANIES AND / OR GENERAL CONTRACTOR PRIOR TO DIGGING FOR FIELD VERIFICATION. THE CITY OF DEBARY SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES TO UTILITY OR IRRIGATION LINES.
- 19.) THE LANDSCAPE CONTRACTOR IS TO LOCATE AND VERIFY ALL CURRENT DRAWINGS AND CHECK FOR DISCREPANCIES & BRING TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO THE COMMENCING WITH THE WORK.



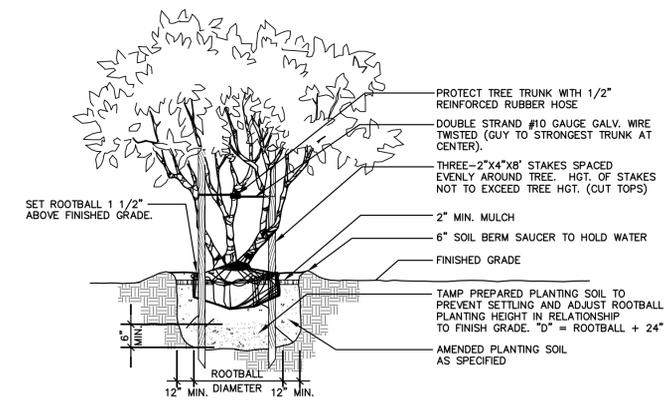
NOTE: BARBED WIRE FENCING IS NOT PERMISSIBLE
TREE PROTECTION BARRICADE



TREE PLANTING & GUY DETAILS



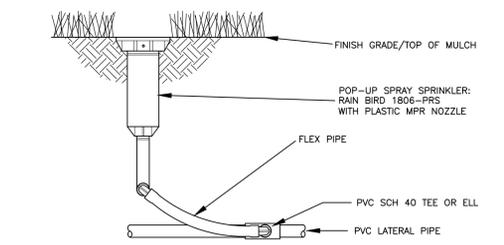
SHRUB & GROUND COVER PLANTING DETAIL



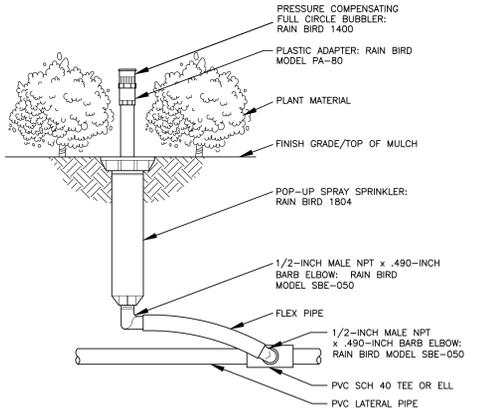
NOTE: 1. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING BEDS/ PITS PRIOR TO INSTALLATION. 2. ALL STAKING AND CROSS MEMBERS TO BE PRESSURE TREATED PINE. 3. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY THE OWNER.
TYPICAL MULTI-TRUNK TREE
NTS

2	6/24/15	REVISED	BVB
1	6/4/15	REVISED PER CITY COMMENTS	BVB
NO.	DATE	DESCRIPTION	BY
R E V I S I O N S			
PARKER MYNCHENBERG & ASSOCIATES, INC.			
PROFESSIONAL ENGINEERS * LANDSCAPE ARCHITECTS			
1729 RIDGEWOOD AVENUE HOLLY HILL, FLORIDA 32117			
(386) 677-6891 FAX (386) 677-2114 E-MAIL: info@parkermynchenberg.com			
CERTIFICATION OF AUTHORIZATION NUMBER: 00003910			
LANDSCAPE DETAILS			
VELVINGTON DISTRIBUTORS DEBARY SITE			
CITY OF DEBARY		* FLORIDA	
FILE NO. 1439_LID.DWG	DESIGNER: P. MYNCHENBERG		
DATE: 7/21/14	DRAFTSMAN: B. BERGSTROM		
SCALE: NOT TO SCALE	SHEET 11 OF 12	SEAL	

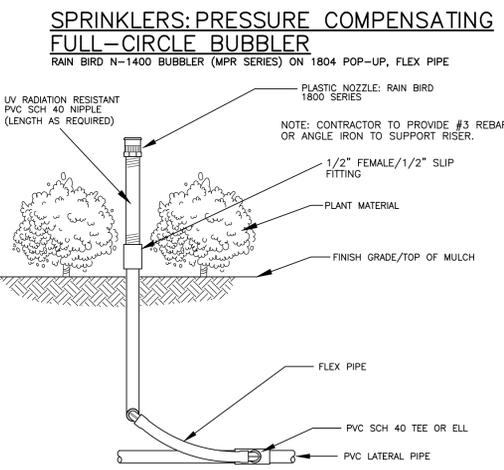
Z:\Draws & Work\Design\VELVINGTON-DEBARY\1439_LID.dwg, 8/24/2015 3:53:49 PM, DWG to PDF.pc3, ARBID export 01 (36.00 x 24.00 inches), 1:1



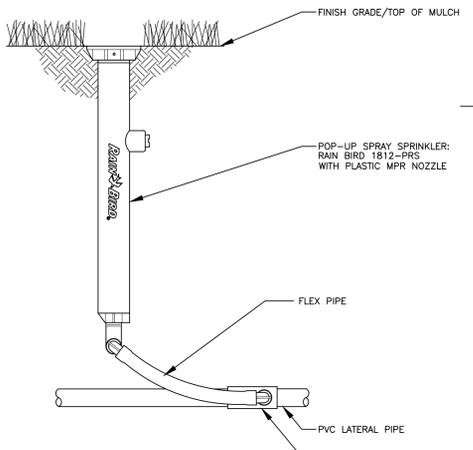
MODEL 1806-PRS 6" POP-UP
FIXED-SPRAY (MPR SERIES), FLEX PIPE, PRESSURE REGULATING



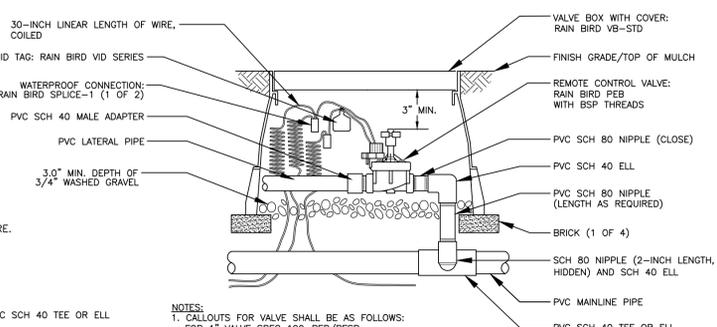
MODEL 1812-PRS 12" POP-UP
FIXED-SPRAY (MPR SERIES), FLEX PIPE, PRESSURE REGULATING



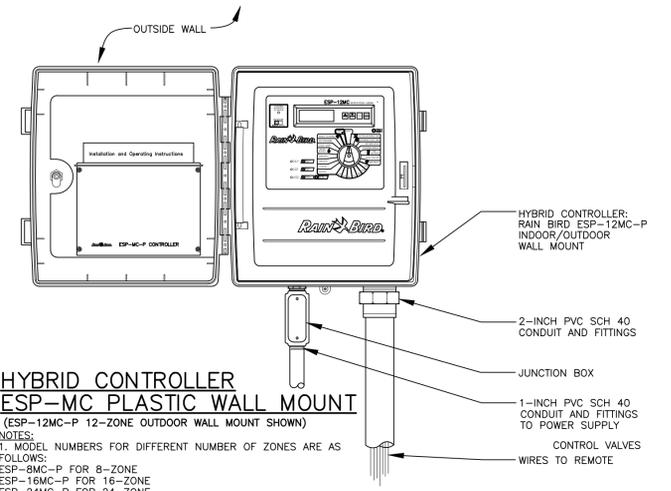
MODEL: 1800 NOZZLE ON RISER
FIXED SPRAY, FLEX PIPE



MODEL 5500 SERIES POP-UP ROTOR
GEAR DRIVE (5500 NOZZLE), FLEX PIPE, PRESSURE REGULATING



VALVES: PEB OR PESB SERIES
PLASTIC VALVE, ELECTRIC (MODEL PEB SHOWN)



HYBRID CONTROLLER
ESP-MC PLASTIC WALL MOUNT
(ESP-12MC-P 12-ZONE OUTDOOR WALL MOUNT SHOWN)

RAIN BIRD MPR SERIES NOZZLE SELECTION CHART

SYM	SPEC	P.S.I.	G.P.M.	RADIUS	PATTERN
A	15F	30	3.7	15'	FULL
B	15TQ	30	2.78	15'	THREE QUARTER
C	N/A	-	-	-	N/A
D	15H	30	1.85	15'	HALF
E	15T	30	1.23	15'	THIRD
F	15Q	30	0.92	15'	QUARTER
G	15EST	30	0.61	4'X15'	END STRIP
H	15CST	30	1.21	4'X30'	CENTER STRIP
J	15SST	30	1.21	4'X30'	SIDE STRIP
K	12F	30	2.6	12'	FULL
L	12TQ	30	1.95	12'	THREE QUARTER
M	N/A	-	-	-	N/A
N	12H	30	1.3	12'	HALF
O	50-B	30	0.50	5'	BUBBLER
P	12T	30	0.87	12'	THIRD
R	12Q	30	0.65	12'	QUARTER
S	10F	30	1.58	10'	FULL
T	10H	30	0.79	10'	HALF
V	10Q	30	0.59	10'	QUARTER
W	8F	30	1.05	8'	FULL
X	8H	30	0.52	8'	HALF
Y	8T	30	0.35	8'	THIRD
Z	8Q	30	0.26	8'	QUARTER
5F	5F	30	0.41	5'	FULL
5H	5H	30	0.20	5'	HALF
5T	5T	30	0.13	5'	THIRD
5Q	5Q	30	0.10	5'	QUARTER

5500 NOZZLE PERFORMANCE DATA CHART

NOZZLE NO.	PSI	GPM	RADIUS
2	40	1.6	37'
3	40	2.7	39'
4	40	2.9	41'
5	40	3.5	41'
6	40	4.8	45'
8	40	6.4	45'
10	40	7.5	41'
12	40	10.1	39'

5500 SHORT RADIUS NOZZLE PERFORMANCE DATA CHART

NOZZLE NO.	PSI	GPM	RADIUS
18S	40	1.5	19'
22S	40	1.6	21'
26S	40	1.9	25'
30S	40	1.8	29'

IRRIGATION LEGEND

- RAIN BIRD 1800 SERIES - SPRAY HEAD ON RISER, INSTALLED AS SHOWN, SEE NOZZLE CHART
- RAIN BIRD 1806-PRS SERIES - 6" POP-UP SPRAY HEAD, INSTALLED AS SHOWN, SEE NOZZLE CHART
- ⊙ RAIN BIRD MODEL 5500 SERIES SPRINKLER-GEAR DRIVE, FULLY ADJUSTABLE AS SHOWN, SEE NOZZLE CHART
- ⊗ RAIN BIRD PEB OR PESB SERIES - ELECTRIC CONTROL VALVE INSTALLED IN VB-STD VALVE BOX
- ◀ DENOTES PROPOSED VALVE (SIZE AS SHOWN)
- - - DENOTES PROPOSED IRRIGATION MAIN, SCH. 40 (SIZE AS SHOWN)
- DENOTES PROPOSED IRRIGATION LATERAL SCH. 40 (SIZE AS SHOWN)
- ≡ ≡ ≡ P.V.C. SLEEVE SIZE AS SHOWN
- DENOTES PROPOSED RAIN SENSOR, RAIN BIRD RSD SERIES
- DENOTES PROPOSED RAIN BIRD ESP-MC SERIES CONTROLLER

VALVE KEY ID-BOX

ZONE NUMBER	1	SIZE OF VALVE
	1-1/2"	
	35	GALLONS PER MINUTE

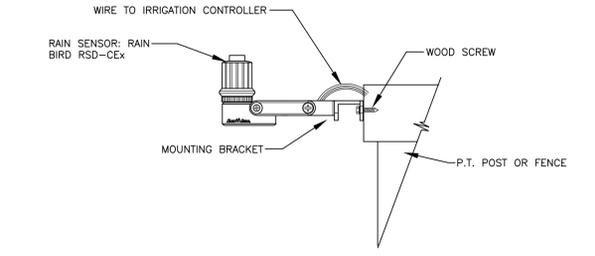
SPECIFIC IRRIGATION NOTES

- IRRIGATION SPRAY HEADS SHALL BE PRESSURE REGULATING.
- SYSTEM SUPPLY REQUIREMENTS ARE: 40 GPM @ 40 PSI AT WATER SOURCE. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT IF DESIGN FLOW RATE AND PRESSURE DOES NOT EXIST.
- LATERAL PIPES SHALL BE SIZED SUCH THAT THE WATER VELOCITY DOES NOT EXCEED 5 FEET/SECOND. CONTRACTOR SHALL APPLY THE FOLLOWING TABLE:

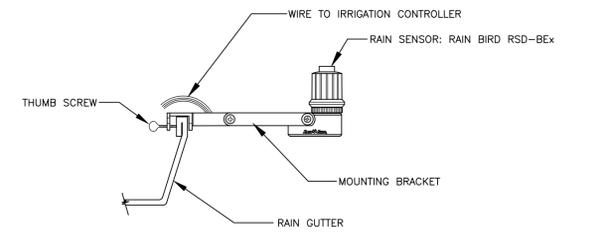
PIPE SIZE (MIN)	FLOW
1/2"	<6 GPM
3/4"	<10 GPM
1"	<15 GPM
1 1/4"	<26 GPM
1 1/2"	<36 GPM
2"	<50 GPM
2 1/2"	<80 GPM
3"	<120 GPM
4"	<200 GPM

GENERAL IRRIGATION NOTES

- THE CONTRACTOR SHALL REFER TO THE LANDSCAPING PLAN WHEN TRENCHING TO LAY PIPE TO AVOID NEW & EXISTING TREES & LARGE SHRUBS.
- ALL WIRING FROM THE IRRIGATION CONTROLLER TO THE REMOTE CONTROL VALVES SHALL BE UF-14/1 DIRECT BURIAL CABLE. ALL WIRE SPLICES SHALL BE MADE IN VALVE BOXES USING ONLY RAIN BIRD CONNECTORS & SEALANT.
- UNLESS OTHERWISE INDICATED, PIPING TO A SINGLE SPRAY HEAD SHALL BE 1/2" PVC PIPING. UNLESS OTHERWISE INDICATED, PIPING TO A SINGLE ROTOR HEAD SHALL BE 3/4" PVC PIPING.
- ALL MAIN LINE PIPING SHALL BE BURIED TO HAVE A MINIMUM COVER OF 18". ALL LATERAL PIPING DOWNSTREAM OF THE MAIN LINE SHALL BE BURIED TO HAVE A MINIMUM COVER OF 12".
- THE CONTRACTOR SHALL COORDINATE WITH THE LANDSCAPE ARCHITECT ON THE EXACT LOCATION OF THE IRRIGATION CONTROLLERS.
- THE CONTRACTOR SHALL VERIFY ALL CONDITIONS & DIMENSIONS SHOWN ON PLANS AT THE SITE PRIOR TO COMMENCEMENT OF WORK UNDER THIS CONTRACT.
- ALL IRRIGATION INSTALLATION SHALL CONFORM TO LOCAL CODES & REGULATIONS.
- ALL PIPING ON THE PLANS IS DIAGRAMMATICALLY ROUTED FOR CLARITY & SHALL BE ROUTED TO AVOID PLANTS. DESIGN MODIFICATIONS SHALL ONLY BE MADE AS NECESSARY TO MEET FIELD CONDITIONS & ONLY UPON APPROVAL OF THE LANDSCAPE ARCHITECT. PIPING SHOWN RUNNING PARALLEL UNDER SIDEWALKS ADJACENT TO PLANTED AREAS IS FOR DESIGN CONVENIENCE ONLY & SHALL BE INSTALLED WITHIN THE PLANTED AREA.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINAL ADJUSTMENT OF THE SPRINKLERS ARC & RADIUS TO ASSURE 100 PERCENT COVERAGE.
- 115 VOLT, SINGLE PHASE ELECTRICAL POWER FOR THE IRRIGATION CONTROLLERS SHALL BE COORDINATED BY THE IRRIGATION CONTRACTOR WITH THE ELECTRICAL ENGINEERING DRAWINGS. IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE ELECTRICAL HOOK-UP INCLUDING ELECTRICAL MATERIALS.
- VALVES LOCATED OUTSIDE OF RIGHT-OF-WAY ARE FOR DESIGN PURPOSES ONLY & SHALL BE LOCATED INSIDE OF RIGHT-OF-WAY.
- ANY CHANGES TO IRRIGATION ZONE PIPING TO BE APPROVED BY THE CITY LANDSCAPE ARCHITECT PRIOR TO WORK BEING DONE.
- ALL XERIC IRRIGATION ZONES SHALL HAVE RUN TIMES REDUCED OR ELIMINATED AFTER SUFFICIENT PLANT ESTABLISHMENT. THIS NOTE TO APPEAR INSIDE THE CONTROLLER FOR MAINTENANCE PERSONNEL INFORMATION.

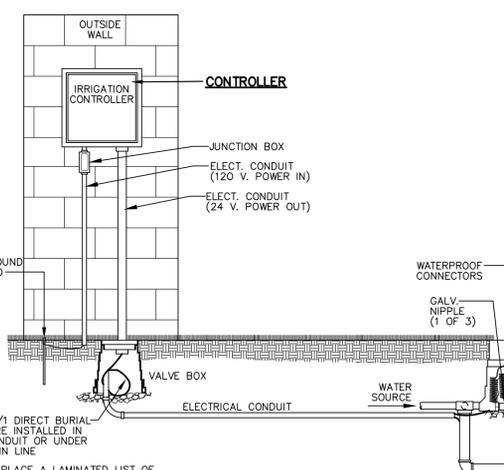


MODEL RSD-CEX POST/FENCE MOUNTING

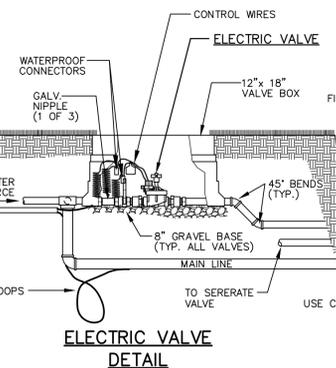


MODEL RSD-BEX GUTTER MOUNTING

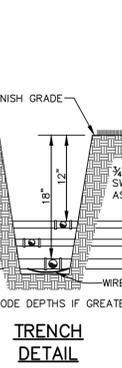
RAIN SENSOR MOUNTING DETAILS



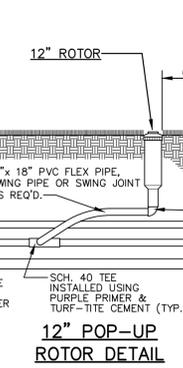
CONTROLLER DETAIL



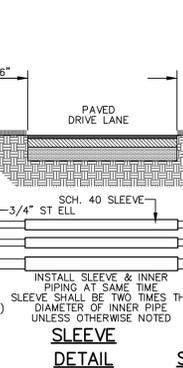
ELECTRIC VALVE DETAIL



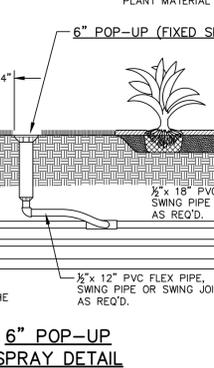
TRENCH DETAIL



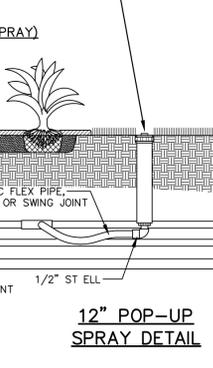
12" POP-UP ROTOR DETAIL



SLEEVE DETAIL

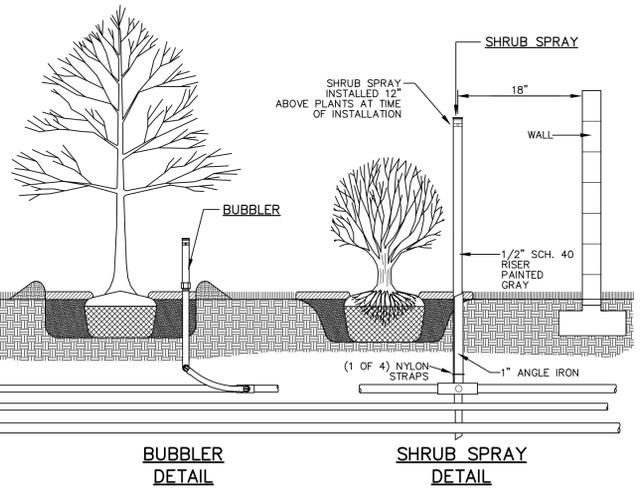


6" POP-UP SPRAY DETAIL



12" POP-UP SPRAY DETAIL

NOTE: REQUIREMENTS VARY; CHECK LOCAL CODES PRIOR TO INSTALLATION.
TYPICAL IRRIGATION DETAILS



BUBBLER DETAIL

SHRUB SPRAY DETAIL

2	6/24/15	REVISED	BVB
1	6/4/15	REVISED PER CITY COMMENTS	BVB
NO.	DATE	DESCRIPTION	BY
REVISIONS			
PARKER MYNCHENBERG & ASSOCIATES, INC.			
PROFESSIONAL ENGINEERS * LANDSCAPE ARCHITECTS			
1729 RIDGEWOOD AVENUE HOLLY HILL, FLORIDA 32117			
(386) 677-6891 FAX (386) 677-2114 E-MAIL: info@parkermynchenberg.com			
CERTIFICATION OF AUTHORIZATION NUMBER: 00003910			
IRRIGATION DETAILS			
YELVINGTON DIOSTRIBUTORS DEBARY SITE			
CITY OF DEBARY		FLORIDA	
FILE NO. 1439_LID.DWG	DESIGNER: P. MYNCHENBERG		
DATE: 7/21/14	DRAFTSMAN: B. BERGSTROM		
SCALE: NOT TO SCALE	SHEET 12 OF 12	SEAL	



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