

# NEW SHOWROOM AND SERVICE RECEPTION:

# GUNTHER



4350 NORTH STATE ROAD 7  
COCONUT CREEK, FL 33073



FRONT ELEVATION  
SCALE: 1/8"

- JURISDICTION: CITY OF COCONUT CREEK, FLORIDA
- ADDRESS: 4350 NORTH STATE ROAD 7
- ZONING DESIGNATION: PMDD EXISTING
- OCCUPANCY: VOLVO: GROUP B (BUSINESS) - SHOWROOM/ OFFICES  
VOLKSWAGEN: GROUP B (BUSINESS) - SHOWROOM/ OFFICES  
GROUP S-1 (STORAGE) - SERVICE/ PARKING GARAGE  
GROUP S-2 (STORAGE) - PARTS
- CURRENT LAND USE: RAC
- LAND USE: TRANSIT ORIENTED CORRIDOR
- SITE AREA: GROSS SITE (TRACTS A & C) 770,742 (17.639 ACRES) PER SURVEY
- BUILDING HEIGHT: PROVIDED VOLVO: +25'-7" ((1 STORY) TOP OF PARAPET)  
VOLKSWAGEN: +43'-7" (T.O. PARKING GARAGE TOWER)
- WATER SERVICE: CITY OF COCONUT CREEK
- SEWER SERVICE: CITY OF COCONUT CREEK

### SITE CALCULATIONS - EXISTING & PROPOSED

GROSS SITE AREA		770,742 SF (17.639 ACRES)	
(ALL OF PLAT TRACTS A & C - AREA PER SURVEY)			
SITE COVERAGES		EXISTING	PROPOSED
BUILDING FOOTPRINT	114,081 SF (14.8% OF SITE)	122,857 SF (15.9% OF SITE)	
SIDEWALKS	24,758 SF (3.2% OF SITE)	24,915 SF (3.2% OF SITE)	
VEHICULAR USE AREAS	311,345 SF (40.4% OF SITE)	304,101 SF (39.5% OF SITE)	
TOTAL IMPERVIOUS AREA	450,182 SF (58.4% OF SITE)	451,673 SF (58.6% OF SITE)	
ON-SITE LAKE	132,249 SF (17.2% OF SITE)	132,249 SF (17.2% OF SITE)	
LANDSCAPE / GREEN AREA	188,311 SF (24.4% OF SITE)	186,820 SF (24.2% OF SITE)	
TOTAL PERVIOUS AREA	320,560 SF (41.6% OF SITE)	319,069 SF (41.4% OF SITE)	
GRAND TOTAL	770,742 SF 100%	770,742 SF 100%	

### SITE PARKING CALCULATIONS:

REQUIRED PARKING	EXISTING AREA	PARKING REQUIRED	PROPOSED AREA	PARKING REQUIRED
VOLKSWAGEN	1/200 sq.ft.	6,642	6,642	= 34
SHOWROOM	1/300 sq.ft.	8,408	8,408	= 28
PARTS STORAGE	1/500 sq.ft.	11,779	11,779	= 24
SERVICE OFFICE	1/300 sq.ft.	6,137	6,137	= 21
ADMINISTRATIVE OFFICES	1/300 sq.ft.	6,952	6,952	= 23
SERVICE BAYS	1/150 sq.ft.	35,056	35,056	= 234
VOLVO	1/300 sq.ft.	3,289	3,221	= 11
PRE-OWNED OFFICES	1/300 sq.ft.	0	8,573	= 29
NEW SHOWROOM & OFFICES				
GRAND TOTAL	78,252	375	86,768	404

PROVIDED PARKING	EXISTING	PROPOSED
VOLKSWAGEN		
SURFACE PARKING	288 (TOTAL)	288 (TOTAL)
	88 CUSTOMER	88 CUSTOMER
	46 DISPLAY	46 DISPLAY
	154 INVENTORY	154 INVENTORY
PARKING GARAGE		
LEVEL 1	83 CUSTOMER PARKING	83 CUSTOMER PARKING
LEVEL 2	175 INVENTORY (SHARED)	175 INVENTORY (SHARED)
LEVEL 3	166 EMPLOYEE	166 EMPLOYEE
VOLVO		
SURFACE PARKING	450 (TOTAL)	415 (TOTAL)
	22 CUSTOMER	52 CUSTOMER
	16 EMPLOYEE	16 EMPLOYEE
	100 DISPLAY	35 DISPLAY
	312 INVENTORY (SHARED)	312 INVENTORY (SHARED)
TOTAL PARKING	1,162 PARKING SPACES	1,127 PARKING SPACES
	375 PROVIDED PARKING	405 PROVIDED PARKING
	146 DISPLAY PARKING	81 DISPLAY PARKING
	154 INVENTORY	154 INVENTORY
	487 INVENTORY (SHARED)	487 INVENTORY (SHARED)

ACCESSIBLE PARKING	REQ.	PROVIDED
301-400 SPACES	= 8	8

ELECTRIC RECHARGE PARKING (ER)	REQ.	PROVIDED
2 SPACES (PROVIDED)		

BICYCLE PARKING  
1 RACK PROVIDED @ 3 BICYCLES PER RACK = 3 BICYCLES

### BUILDING SITE SETBACK DATA

YARD SETBACK	REQUIRED	PROVIDED	VW DEALERSHIP	VOLVO SHOWROOM	SERVICE	GARAGE
FRONT (WEST)	100'	113.47'	106.70'	126.95'	321.06'	310.85'
NORTH SIDE	25'	374.70'	126.95'	83.87'	79.20'	484.92'
SOUTH SIDE	25'	91.9'				
REAR	25'					

### OPEN SPACE CALCULATION

PROP. SITE TOTAL OPEN SPACE REQUIRED (16%) = 123,319 SF (2.831 AC.)  
(INCLUDES ALL OF PLAT TRACTS 'A' & 'C' - TOTAL AREA OF 17.693 ACRES)

REQUIRED OPEN SPACE	ACRES	%
PARK & GREENWAY TRAIL (PERVIOUS AREA)	0.118	0.67
LANDSCAPE BUFFERS	1.180	6.67
OTHER PERVIOUS AREAS / GREEN ROOFTOPS	2.903	16.62
WATER BODIES		
WIDTH GREATER THEN 100 FEET = 100% CREDIT	3.036	17.2
WIDTH GREATER THEN 60 FEET = 50% CREDIT	0	0
WIDTH LESS THEN 60 FEET = 0% CREDIT	0	0
TOTAL (PROVIDED)	7.313	41.34

OPEN SPACE BONUS	ACRES	%
PARK & GREENWAY TRAIL	0.330	1.86
PUBLIC PLAZA	0	0
PUBLIC GATHERING AREA	0	0
OUTDOOR PUBLIC RECREATION	0	0
WATER BODIES - 100%		
(WIDTH LESS THEN 60 FEET WITH PEDESTRIAN SIDEWALK/BRIDGES)	0	0
TOTAL (PROVIDED)	0.330	1.86

### INDEX OF DRAWINGS

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SURV-3	BOUNDARY SURVEY
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#### CIVIL

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C-03	TYPICAL SECTIONS AND PAVING DETAILS
C-04	MISCELLANEOUS DETAILS
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#### LANDSCAPE

LP-1	LANDSCAPE AND TREE DISPOSITION PLAN
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#### SITE LIGHTING

PH-1.1	SITE PHOTOMETRIC PLAN
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OWNER  
GUNTHER MOTORS COMPANY  
1660 SOUTH STATE ROAD 7  
FORT LAUDERDALE, FL 33317  
(954) 590-3820

ARCHITECT  
STILES ARCHITECTURAL GROUP  
301 E. LAS OLAS BLVD.  
FT. LAUDERDALE, FL 33301  
(954) 627-9180

SURVEYOR  
STONER & ASSOCIATES  
4341 SOUTHWEST 62ND AVENUE  
DAVIE, FLORIDA 33314  
PH: (954) 585-0997  
FAX: (954) 585-3927

LANDSCAPE ARCHITECTS  
MICHAEL J. PETROW & ASSOCIATES  
P.O. BOX 9601  
CORAL SPRINGS, FL 33075  
(954) 752-7762

MECHANICAL, ELECTRICAL, & PLUMBING ENGINEERS  
KAMM CONSULTING  
1407 W. NEWPORT CENTER DR.  
DEERFIELD BEACH, FL 33442  
(954) 949-2200

CIVIL ENGINEER  
JOSEPH ROLES AND ASSOC., INC.  
7501 NW 4TH ST.  
SUITE 101  
PLANTATION, FL 33317  
PH: (954) 581-1945  
FAX: (954) 321-9727

### CONSULTANTS

#### LEGAL DESCRIPTION:

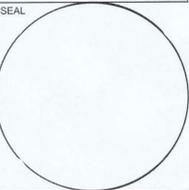
TRACT A AND TRACT C, WHITWORTH PLAT NO. 1, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 164, PAGE 1, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.

### LAND DESCRIPTION



LOCATION MAP

REVISIONS:
1 CITY REVIEW COMMENTS 01.16.17



CONSULTANT

STILES  
ARCHITECTURAL GROUP  
301 East Las Olas Blvd  
Fort Lauderdale, Florida  
954 - 627 - 9180 33301  
FL. REG # AA-26001798

NEW SHOWROOM AND SERVICE RECEPTION:  
**GUNTHER VOLVO - COCONUT CREEK**  
4350 NORTH STATE ROAD 7  
COCONUT CREEK, FL 33073

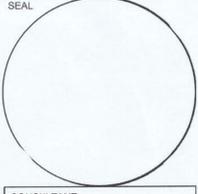
COVER SHEET

COVER

PROJECT NO.  
73889  
DRAWN BY:  
G.L. / K.C.  
CHECKED BY:  
J.P.  
DATE:  
February 7, 2017

FILED NAME

REVISIONS:



CONSULTANT

**STILES ARCHITECTURAL GROUP**  
 301 East Las Olas Blvd  
 Fort Lauderdale, Florida  
 954 - 627- 9180 33301  
 FL. REG # AA-26001798

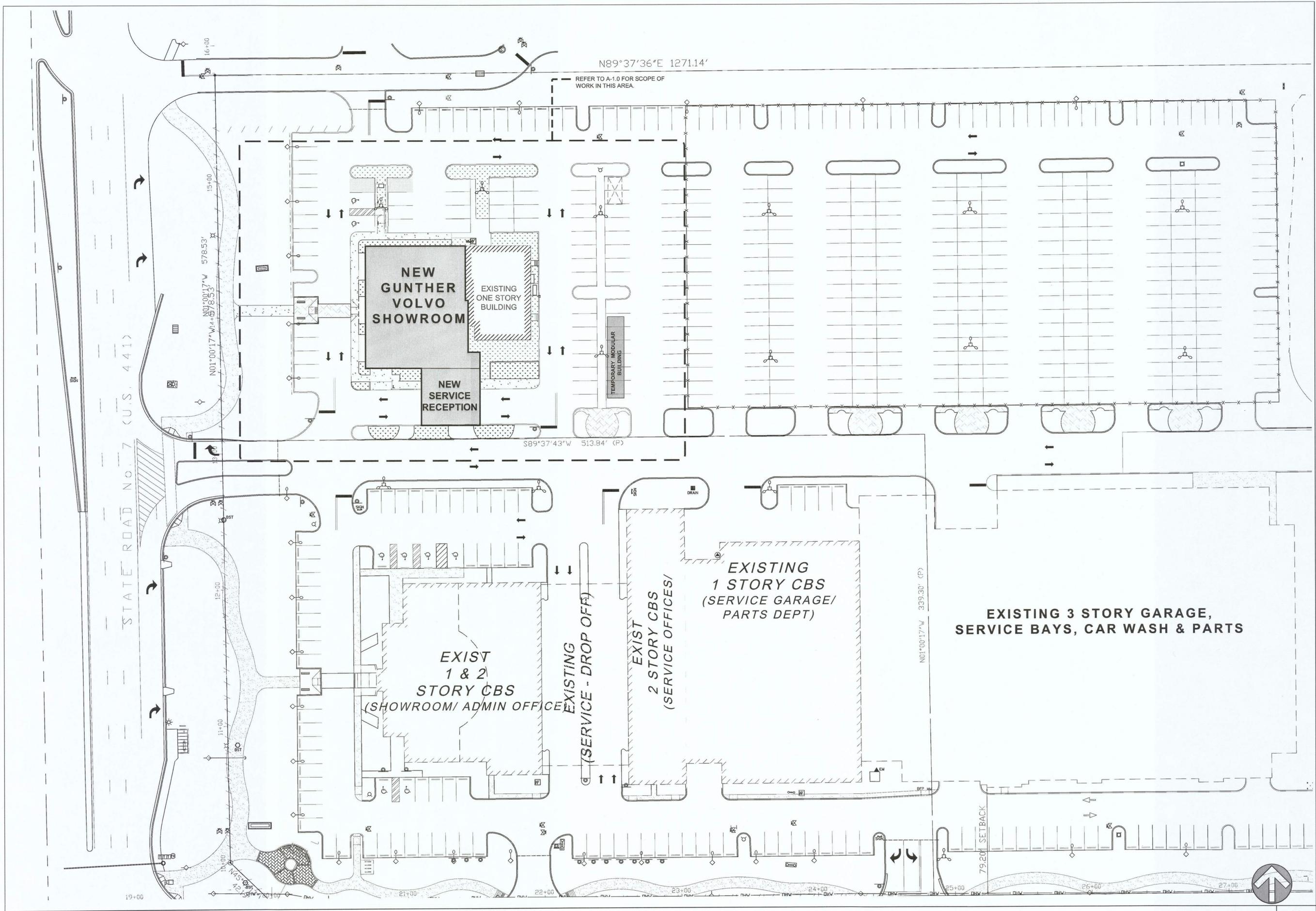


NEW SHOWROOM AND SERVICE RECEPTION:  
**GUNTHER VOLVO - COCONUT CREEK**  
 4350 NORTH STATE ROAD 7  
 COCONUT CREEK, FL 33073

MASTER SITE PLAN



PROJECT NO. 73889  
 DRAWN BY: G.L./K.C.  
 CHECKED BY: J.P.  
 DATE: February 6, 2017



MASTER SITE PLAN

SCALE: 1"=30' 02



T:\B\0107288\Guntner Volvo Coconut Creek\Arch\Drawings\Site Plan Approval\DWG\Sheet\0288 SPA\_A-11 Site plan.dwg, 2/6/17 11:54:52 AM, K.C.

# ALTA/ACSM LAND TITLE SURVEY

## GUNTHER VOLKSWAGEN

### 4300 NORTH STATE ROAD 7

### CITY OF COCONUT CREEK, BROWARD COUNTY, FLORIDA

#### TITLE COMMITMENT NOTES

CHICAGO TITLE INSURANCE COMPANY, ORDER No. 5080074, EFFECTIVE DATE: DECEMBER 16, 2014 AT 8:00 A.M.						
No.	Instrument Type	Description	Recording Date	Affects	Plotted/No Plottable	COMMENTS
1-5	STANDARD EXCEPTIONS			NOT ADDRESSED		
6	Plot	Restrictions, dedications and assessments set forth on the Plat of Whitworth Plat No. 1 and as affected by Agreement Relating to Non-Vehicular Access Lines, with Broward County and as further affected by Agreement for Amendment of Notation on Plat.	P.B. 164 PG. 1 B.C.R. O.R.B. 31667 PG. 1634 B.C.R. O.R.B. 50101 PG. 995 B.C.R.	YES	YES (AS APPLICABLE)	EASEMENTS PER PLAT ARE SHOWN ON THE SURVEY
7	Official Records Book	Perpetual Easements in favor of The State of Florida Department of Transportation.	O.R.B. 20278 PG. 878 B.C.R. O.R.B. 22279 PG. 652 B.C.R.	YES	YES	*PORTION OF THIS EASEMENT HAS BEEN SUPERSEDED BY AN EASEMENT RECORDED IN THE PLAT OF RECORDS
8	Official Records Book	Terms, conditions and provisions of Traffic Concurrence Agreement with Broward County and the City of Coconut Creek and as affected by Traffic Concurrence Agreement with Broward County and the City of Coconut Creek.	O.R.B. 25969 PG. 517 B.C.R. O.R.B. 26973 PG. 19 B.C.R.	YES	NO (BLANKET IN NATURE)	
9	Official Records Book	Terms, conditions and provisions of Road Impact Agreement with Broward County.	O.R.B. 26458 PG. 483 B.C.R.	YES	NO (BLANKET IN NATURE)	
10	Official Records Book	Terms, conditions and provisions of Access Easement Agreement with Home Depot U.S.A., Inc.	O.R.B. 30267 PG. 363 B.C.R.	YES	NO (BLANKET IN NATURE)	
11	Official Records Book	Terms, conditions and provisions of Water and Wastewater Agreement with the City of Coconut Creek, as attached to that certain Resolution No. 2000-81.	O.R.B. 31204 PG. 1889 B.C.R.	YES	NO (BLANKET IN NATURE)	
12	Official Records Book	Easements in favor of Florida Power & Light Company.	O.R.B. 31721 PG. 305 B.C.R. O.R.B. 37011 PG. 1 B.C.R.	YES	YES	
13	Official Records Book	Access Easement to Approved Opening in favor of Broward County.	O.R.B. 32016 PG. 172 B.C.R.	YES	YES	
14	Official Records Book	Utility Easement (Water, Sewer, Drainage and General Utilities), in favor of the City of Coconut Creek together with Resolution No. 2002-167.	O.R.B. 35243 PG. 1308 B.C.R. O.R.B. 35245 PG. 239 B.C.R.	YES	YES	
15	Official Records Book	Covenants, conditions and restrictions, including but not limited to a right of repurchase, as set forth in Special Warranty Deed and Restrictive Covenant.	O.R.B. 41153 PG. 304 B.C.R.	YES	NO (BLANKET IN NATURE)	
16	Official Records Book	Terms, conditions and provisions of Educational Mitigation Agreement by and among Broward County, the City of Coconut Creek, and the School Board of Broward County.	O.R.B. 42279 PG. 1596 B.C.R.	YES	NO (BLANKET IN NATURE)	
17	Official Records Book	Terms, conditions, provisions, obligations and fees set forth in Water and Wastewater Agreement by and between Gunther Motor Company and the City of Coconut Creek.	O.R.B. 49896 PG. 1283 B.C.R.	YES	NO (BLANKET IN NATURE)	
18	Official Records Book	Assessments in favor of the City of Coconut Creek, pursuant to Resolution No. 2013-33, confirming Resolution No. 2013-33, setting forth the "Cullum Road Utility Conversion Special Assessment District", as modified by Resolution No. 2013-80, which amended Resolution No. 2013-33, by approving equalized assessments.	O.R.B. 50322 PG. 551 B.C.R. O.R.B. 50322 PG. 565 B.C.R.	YES	NO (BLANKET IN NATURE)	
19	Official Records Book	Access Easement and Maintenance Agreement with the City of Coconut Creek together with Resolution No. 2013-77, approving the Access Easement and Maintenance Agreement.	O.R.B. 50322 PG. 600 B.C.R. O.R.B. 50322 PG. 581 B.C.R.	YES	YES	

#### ZONING DATA :

PROPERTY IS LOCATED WITHIN THE CITY OF COCONUT CREEK (PCD) PLANNED COMMERCE DISTRICT

#### PURPOSE.

THE INTENT OF THE PLANNED COMMERCE DISTRICT IS TO PROVIDE FLEXIBILITY ON THE USE AND DESIGN OF STRUCTURES AND LANDS INVOLVED IN NONRESIDENTIAL DEVELOPMENT. THE REGULATIONS PERTAINING TO THE PLANNED COMMERCE DISTRICT ARE TO ACCOMPLISH THE PURPOSES OF RELATED CITY REGULATIONS AND TO IMPLEMENT THE GOALS, OBJECTIVES AND POLICIES OF THE CITY OF COCONUT CREEK COMPREHENSIVE PLAN. IT IS THE INTENT OF THE PLANNED COMMERCE DISTRICT REGULATIONS TO PROMOTE NONRESIDENTIAL DEVELOPMENTS AS COMPREHENSIVELY PLANNED MODULES THAT ENCOURAGE UNIFORM AND COORDINATED DEVELOPMENT UPON LAND SUITABLE IN SIZE, LOCATION AND CHARACTER. WITH THESE REGULATIONS THE CITY CAN PROVIDE PROTECTION AND COMPATIBILITY WITH ADJUTING RESIDENTIAL PARCELS; AND PROVIDE COMPATIBILITY AND AMENITY AMONG USES LOCATED WITHIN A PLANNED COMMERCE DISTRICT

#### DEVELOPMENT REGULATIONS:

- MINIMUM SIZE OF A PLANNED COMMERCE DISTRICT: TEN (10) ACRES OF CONTIGUOUS LAND.
- SITE REGULATIONS:
  - MAXIMUM BUILDING COVERAGE:
    - COMMERCIAL AND OFFICE USE: FORTY (40) PERCENT.
    - MIXED USE COMMERCE/EMPLOYMENT CENTER AND INDUSTRIAL: FORTY-FIVE (45) PERCENT.
    - MINIMUM SIZE FOR A MASTER SITE PLAN: FIVE (5) ACRES OF CONTIGUOUS LAND.
    - MINIMUM DISTANCE BETWEEN BUILDINGS: TEN (10) FEET PER STORY.
    - MAXIMUM FLOOR AREA RATIO SHALL BE DETERMINED BY THE PCD REZONING DEVELOPMENT PLAN.

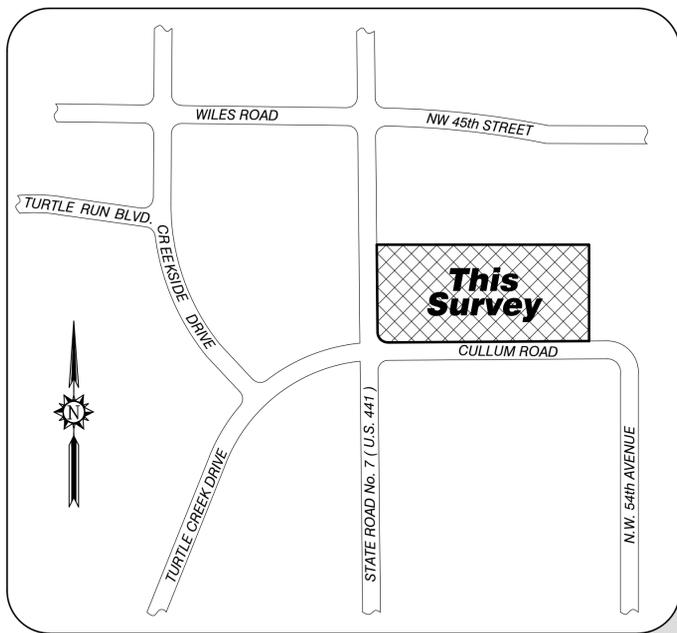
#### REQUIRED SETBACKS AND YARDS:

- SETBACK OF NOT LESS THAN TWENTY-FIVE (25) FEET IN DEPTH ABUTTING PUBLIC ROAD RIGHTS-OF-WAY WITHIN OR ADJACENT TO A PCD.
- A SETBACK OF NOT LESS THAN TWENTY-FIVE (25) FEET SHALL BE REQUIRED NEXT TO THE BOUNDARY OF A PCD. NO PORTION OF SUCH SETBACK MAY BE USED FOR PARKING OR OTHER VEHICULAR USE AREA EXCEPT FOR ACCESSWAYS.
- A SETBACK OF NOT LESS THAN TWENTY-FIVE (25) FEET SHALL BE REQUIRED BETWEEN LAND USE MODULES.
- SETBACKS, DISTANCE BETWEEN BUILDINGS AND OTHER APPLICABLE SITE DEVELOPMENT REGULATIONS SHALL CONFORM TO THE STANDARDS CONTAINED IN THE DESIGN DEVELOPMENT STANDARDS REQUIRED BY SECTION 13-357(2).
- TWENTY-FIVE-FOOT PERIMETER SETBACKS SHALL BE FULLY LANDSCAPED WITH BERMS AND PLANT MATERIAL IN ACCORDANCE WITH BUFFER REQUIREMENTS OF THE LANDSCAPE CODE.

ZONING DATA INFORMATION SHOWN HEREIN WAS TAKEN FROM THE CODE OF ORDINANCE CHAPTER 13, LAND DEVELOPMENT CODE, CITY OF COCONUT CREEK. FOR FURTHER INFORMATION CONTACT CITY OF COCONUT CREEK AT: (954) 973-6756 OR SEND YOUR QUESTION TO DSTECKO@COCONUTCREEK.NET

#### TREE SURVEY NOTES:

- THIS FIRM HAS IDENTIFIED THE VARIOUS TYPES OF TREES LOCATED ON THIS SITE BASED ON COMMON KNOWLEDGE OF TREE SPECIES. FOR POSITIVE IDENTIFICATION OF TREE SPECIES A QUALIFIED LANDSCAPE ARCHITECT OR BOTANIST SHOULD BE CONSULTED. TREES THREE (3) CALIPER INCHES OR LARGER, WHEN MEASURED AT BREAST HEIGHT, ARE SHOWN ON THE SURVEY DRAWING. HEDGES AND GROUND COVER ARE NOT SHOWN ON THE SURVEY DRAWING. EXOTIC TREES SUCH AS MELALEUCA, BRAZILIAN PEPPER, AND AUSTRALIAN PINE ARE NOT SHOWN ON THE SURVEY DRAWING.
- CLUSTERS OF TREES ARE SHOWN GROUPED WITH AN APPROXIMATION OF THE TOTAL NUMBER OF TREES LOCATED WITHIN THE GROUP.
- THE CANOPY DIAMETER AND SPREAD ARE NOT SHOWN HEREON, UNLESS INDICATED OTHERWISE.



**Location Map**  
NOT TO SCALE

**ADDRESS:**  
4300 N STATE ROAD 7  
COCONUT CREEK 33073

**OWNER:** GUNTHER MOTOR COMPANY

**FOLIO No.:** 4842 18 08 0010

#### THIS SURVEY IS CERTIFIED TO:

OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY, INC.  
TRIPP SCOTT  
VW CREDIT, INC, A DELAWARE CORPORATION  
CHICAGO TITLE INSURANCE COMPANY  
DANNER & MARTYN, PC  
GUNTHER MOTOR COMPANY, A FLORIDA CORPORATION

#### LEGAL DESCRIPTION :

TRACT A AND TRACT C, WHITWORTH PLAT NO. 1, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 164, PAGE 1, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.

#### SURVEY NOTES :

- THIS BOUNDARY SURVEY WAS PREPARED IN ACCORDANCE WITH THE STANDARDS OF PRACTICE FOR SURVEYING ESTABLISHED BY THE BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS IN CHAPTER 5J-17, FLORIDA ADMINISTRATIVE CODES, PURSUANT TO SECTION 472.027, FLORIDA STATUTES.
- THE PROPERTY AND EASEMENTS SHOWN HEREON ARE BASED UPON CHICAGO TITLE INSURANCE COMPANY, ORDER No. 5080074, EFFECTIVE DATE: DECEMBER 16, 2014 AT 8:00 A.M., STONER & ASSOCIATES, INC. DID NOT SEARCH THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA FOR OWNERSHIP, RIGHTS-OF-WAY, EASEMENTS OR OTHER MATTERS AFFECTING THE PROPERTY BEING SURVEYED. THERE MAY BE ADDITIONAL RESTRICTIONS NOT SHOWN ON THIS SURVEY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.
- THE BEARINGS SHOWN HEREON ARE BASED ON N.89°37'36"E. ALONG THE NORTH LINE OF TRACT "A", AS RECORDED IN PLAT BOOK 164, AT PAGE 1, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.
- THE ELEVATIONS SHOWN HEREON ARE BASED UPON NATIONAL GEODETIC VERTICAL DATUM OF 1929 (N.G.V.D. 1929), ESTABLISHED FROM BROWARD COUNTY ENGINEERING DEPARTMENT BENCHMARK NO. 3201, ELEVATION = 15.178' AND CONVERTED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D. 88), ELEVATION = 13.628'.
- THE PROPERTY SHOWN HEREON HAS THE FOLLOWING FLOOD ZONE DESIGNATION:  
NFIP COMMUNITY NAME: CITY OF COCONUT CREEK  
COMMUNITY NUMBER: 120031  
COUNTY NAME: BROWARD COUNTY  
STATE OF FLORIDA  
MAP/PANEL NUMBER: 12011C0165  
SUFFIX: H  
REVISED DATE: AUGUST 18, 2014  
FLOOD ZONE: X AND AE  
BASE FLOOD ELEVATION: 13' (N.A.V.D. 1988)
- THE FLOOD ZONE INFORMATION SHOWN HEREON IS BASED UPON THE CURRENT FLOOD INSURANCE RATE MAP (FIRM) IN PLACE ON THE DATE THIS SURVEY WAS PREPARED. THE DATA CONTAINED IN THE FIRM MAP IS SUBJECT TO CHANGE WITHOUT NOTICE. FOR THE LATEST FLOOD ZONE INFORMATION CONSULT THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) OR YOUR LOCAL GOVERNMENTAL BUILDING DEPARTMENT.
- CERTAIN FEATURES ARE REPRESENTED BY THE SYMBOLS REFLECTED IN THIS MAP. THE LEGEND OF FEATURES MAY HAVE BEEN ENLARGED FOR CLARITY AND MAY NOT REPRESENT THE ACTUAL SHAPE OR SIZE OF THE FEATURE. THE SYMBOLS HAVE BEEN PLOTTED AT THE APPROXIMATE CENTER OF THE FEATURE BASED UPON THE FIELD LOCATION.
- THIS SKETCH IS INTENDED TO BE DISPLAYED AT A HORIZONTAL SCALE OF 1 INCH = 40 FEET.
- THE HORIZONTAL ACCURACY FOR WELL DEFINED IMPROVEMENTS DEPICTED ON THIS SKETCH IS ONE-TENTH (0.1' ±) OF A FOOT, PLUS OR MINUS. THE VERTICAL (ELEVATIONS) ACCURACY FOR WELL DEFINED IMPROVEMENTS, FEATURES, AND SURFACES DEPICTED ON THIS SURVEY IS TWO-TENTHS (0.2' ±) OF A FOOT, PLUS OR MINUS.
- TREES, HEDGES, GROUND COVER, AND OTHER LANDSCAPE FEATURES ARE NOT SHOWN HEREON, UNLESS OTHERWISE NOTED.
- IRRIGATION FEATURES, SUCH AS SPRINKLERS, ARE NOT SHOWN HEREON.
- SUBSURFACE FEATURES ARE NOT SHOWN HEREON. THIS SITE COULD HAVE UNDERGROUND INSTALLATIONS THAT ARE NOT SHOWN HEREON. BEFORE DESIGN, CONSTRUCTION, OR EXCAVATION CONTACT 811 AND/OR THE APPROPRIATE UTILITY COMPANIES FOR FIELD VERIFICATION OF UTILITIES.
- BUILDING DIMENSIONS AND BUILDING SETBACKS ARE SHOWN AS BEING ROUNDED TO THE NEAREST ONE-TENTH (0.1') OF A FOOT.
- THE DIMENSIONS SHOWN HEREON ARE BASED UPON U.S. SURVEY FEET AND FRACTIONAL PARTS THEREOF.
- AREA COMPUTATIONS, WHEN SHOWN IN ACRES, ARE ROUNDED TO THE NEAREST ONE-HUNDREDTH OF AN ACRE, AND WHEN SHOWN IN SQUARE FEET ARE ROUNDED TO THE NEAREST SQUARE FOOT. THE AREA FIGURES SHOWN HEREON SHOULD NOT BE UTILIZED AS THE BASIS OF PURCHASE PRICE FOR A REAL ESTATE CLOSING, WITHOUT PRIOR VERIFICATION OF THE AREA FIGURES, IN WRITING FROM THE SIGNING SURVEYOR. THE PROPERTY SHOWN HEREON CONTAINS 17.69 ACRES (770,742 SQUARE FEET) MORE OR LESS.
- THE SURVEYOR DID NOT INSPECT THIS PROPERTY FOR ENVIRONMENTAL HAZARDS.
- THE INFORMATION DEPICTED ON THIS SKETCH OF SURVEY REPRESENTS THE RESULTS OF A FIELD SURVEY ON THE DATE INDICATED ON THE BORDER OF THE DRAWING AND CAN ONLY BE CONSIDERED VALID FOR THIS DATE AND INDICATES THE GENERAL CONDITIONS EXISTING AT THE TIME OF THE FIELD SURVEY.
- THIS SKETCH OF SURVEY CANNOT BE RELIED UPON BY PERSONS OR ENTITIES OTHER THAN THOSE PERSONS OR ENTITIES CERTIFIED TO HEREON. ADDITIONS OR DELETIONS TO THIS SURVEY AND/OR REPORTS BY PEOPLE OR PERSONS OTHER THAN THE SIGNING PARTIES ARE PROHIBITED WITHOUT PRIOR WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
- THE INFORMATION CONTAINED IN THIS DOCUMENT WAS PREPARED BY STONER & ASSOCIATES, INC. (S&A). S&A HAS TAKEN PRECAUTIONS TO ENSURE THE ACCURACY OF THIS DOCUMENT AND THE DATA REFLECTED HEREIN. S&A CANNOT NOT GUARANTEE THAT ALTERATIONS AND/OR MODIFICATIONS WILL NOT BE MADE TO THE DATA CONTAINED IN THIS DOCUMENT BY OTHERS AFTER IT LEAVES OUR POSSESSION. THIS DOCUMENT MUST BE COMPARED TO THE ORIGINAL HARD COPY (WHICH BEARS THE RAISED SURVEYOR'S CERTIFICATION SEAL) TO ENSURE THE ACCURACY OF THE INFORMATION CONTAINED HEREON AND TO FURTHER ENSURE THAT ALTERATIONS AND/OR MODIFICATIONS HAVE NOT BEEN MADE. S&A MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, CONCERNING THE ACCURACY OF THE INFORMATION CONTAINED IN THIS OR ANY DOCUMENT TRANSMITTED OR REVIEWED BY COMPUTER OR OTHER ELECTRONIC MEANS. CONTACT S&A FOR VERIFICATION OF ACCURACY.
- NO EVIDENCE OR CURRENT EARTHWORK WAS OBSERVED AT THE TIME OF THE SURVEY.
- NO EVIDENCE OF SITE BE USED AS A SOLID WASTE DUMP OR SANITARY LAND FILL AT THE TIME OF SURVEY.

#### SURVEYOR'S REFERENCE:

- THE PLAT OF WHITWORTH PLAT NO. 1, AS RECORDED IN PLAT BOOK 164, AT PAGE 1, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.
- FLORIDA DEPARTMENT OF TRANSPORTATION RIGHT OF WAY MAP, SECTION 86100-2531.
- CHICAGO TITLE INSURANCE COMPANY TITLE COMMITMENT SCHEDULE B-II, CHICAGO TITLE INSURANCE COMPANY, ORDER No. 5080074, EFFECTIVE DATE: DECEMBER 16, 2014 AT 8:00 A.M.

#### CERTIFICATE :

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2011 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES 1, 2, 3, 4, 6, 7(a)(c), 8, 9, 11(a), 13, 16, 18 AND 21 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON JULY 31, 2012.

DATE OF PLAT OR MAP:

RICHARD G. CRAWFORD, Jr.  
PROFESSIONAL SURVEYOR AND MAPPER NO. 5731  
STATE OF FLORIDA  
STONER AND ASSOCIATES, INC. L.B. 6633  
rcrowford@stonersurveyors.com

10/24/14 DLR  
6/25/14 DWS  
3/17/14 rgc  
2/20/14 rgc  
11/25/13 DWS  
8/13/13 DRL  
10/02/12 DRL

7. PARKING GARAGE BUILDING ADDITION FINAL  
6. PRE-OWNED SALES BUILDING ADDITION FINAL  
5. FORM BOARD ADDITION PRE-OWNED BLDG.  
4. FORM BOARD SURVEY DUMPSTER & FUEL PAD  
3. ADD TREES TO EASTERLY SIDE OF SITE  
2. ADD TOPO  
1. LOCATE OVERHANG AND TOPO MOST WESTERLY SW CORNER OF RETENTION AREA

11/16/16 DRL  
01/19/18 DRL  
10/30/14 rgc  
TEL (954) 585-0897  
FAX (954) 585-3927

NO. OF REVISIONS  
REVISION  
DATE

STONER & ASSOCIATES, INC. 4341 S.W. 62nd AVENUE TOWN OF DAVIE, FLORIDA 33314

SKETCH OF BOUNDARY AND LIMITED TOPOGRAPHIC SURVEY OF:  
**GUNTHER VOLKSWAGEN**  
**4300 N STATE ROAD 7**  
CITY OF COCONUT CREEK, BROWARD COUNTY, FLORIDA

DATE OF FIELD SURVEY: 6/21/12  
DRAWN: DRL  
CHECKED: RGC  
FIELD BOOK: 8-FIELD DATA COLLECTOR

SEAL  
NOT VALID UNLESS SEALED HERE WITH AN EMBOSSED SURVEYOR'S SEAL

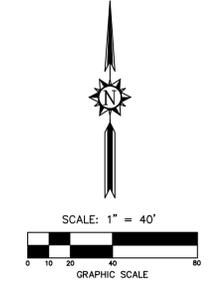
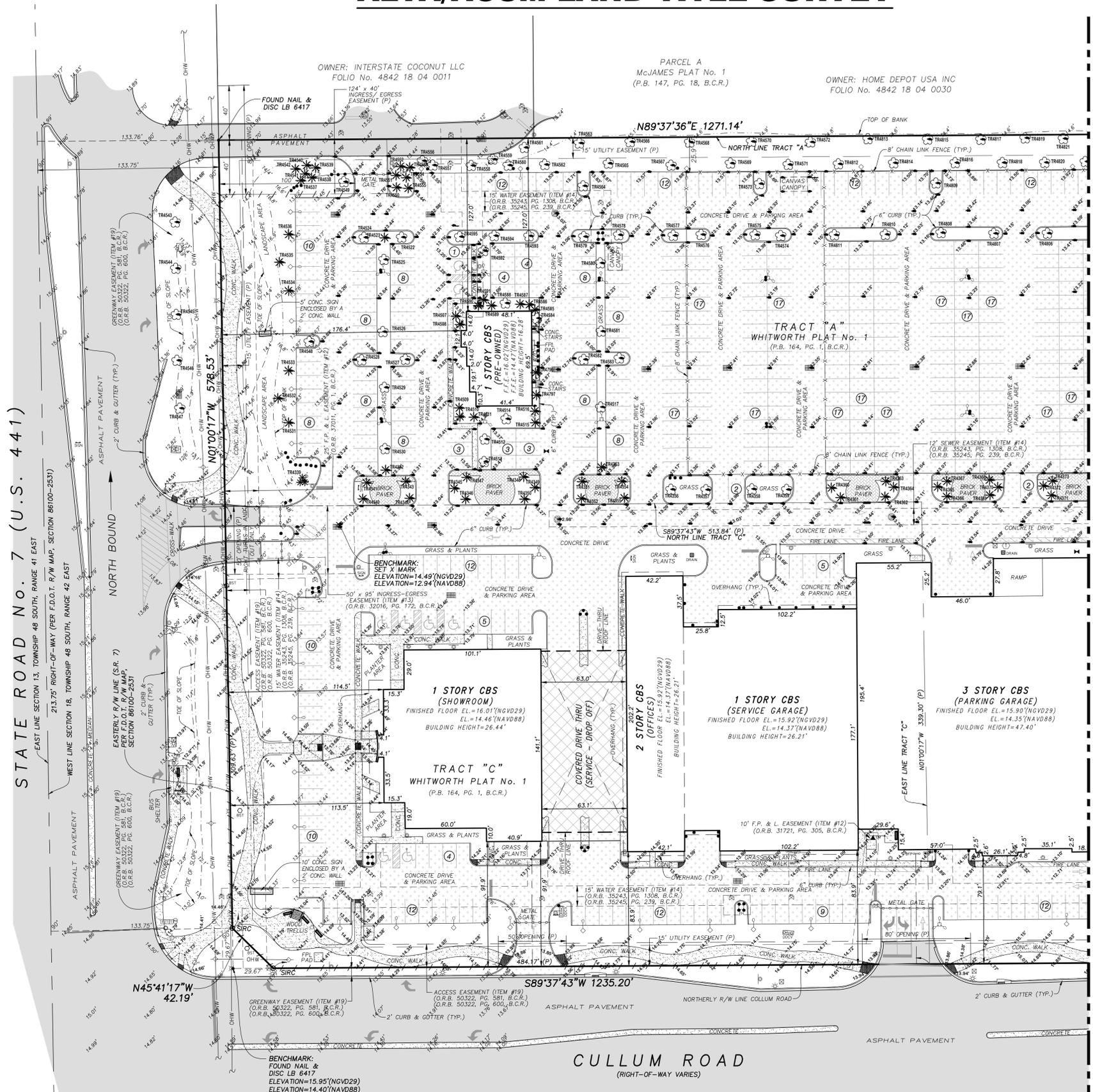
PROJECT  
**14-8035**

SHEET NO.  
**1 OF 3**

Always call 811 two full business days before you dig



# ALTA/ACSM LAND TITLE SURVEY



- LEGEND:**
- B.C.R. . . . . . BROWARD COUNTY RECORDS
  - P.B.C.R. . . . . . PALM BEACH COUNTY RECORDS
  - P.B. . . . . . PLAT BOOK
  - O.R.B. . . . . . OFFICIAL RECORD BOOK
  - P.G. . . . . . PAGE
  - PLS. . . . . . PROFESSIONAL LAND SURVEYOR
  - LB. . . . . . LICENSED BUSINESS
  - CONC. . . . . . CONCRETE
  - C.L.F. . . . . . CHAIN LINK FENCE
  - C. . . . . . CENTERLINE
  - (P) . . . . . PER PLAT
  - (TYP.) . . . . . TYPICAL
  - R/W . . . . . RIGHT-OF-WAY
  - INV. . . . . . INVERT
  - EL. . . . . . ELEVATION
  - F.F.E. . . . . . FINISHED FLOOR ELEVATION
  - F.P.L. . . . . . FLORIDA POWER & LIGHT
  - A/C . . . . . AIR CONDITIONING UNIT/SLAB
  - F.D.O.T. . . . . . FLORIDA DEPARTMENT OF TRANSPORTATION
  - SIGN . . . . . DOUBLE SUPPORT SIGN
  - CURB INLET . . . . . CURB INLET
  - CONCRETE LIGHT POLE . . . . . CONCRETE LIGHT POLE
  - FIBER OPTIC CABLE MARKER . . . . . FIBER OPTIC CABLE MARKER
  - WIRE PULL BOX . . . . . WIRE PULL BOX
  - SEWER VALVE . . . . . SEWER VALVE
  - WATER VALVE . . . . . WATER VALVE
  - SANITARY SEWER MANHOLE . . . . . SANITARY SEWER MANHOLE
  - ANCHOR OR GUY WIRE . . . . . ANCHOR OR GUY WIRE
  - IRRIGATION BOX . . . . . IRRIGATION BOX
  - BACKFLOW PREVENTER . . . . . BACKFLOW PREVENTER
  - DOUBLE DETECTOR CHECK VALVE . . . . . DOUBLE DETECTOR CHECK VALVE
  - FIRE HYDRANT . . . . . FIRE HYDRANT
  - GUARD POST . . . . . GUARD POST
  - CONCRETE POWER POLE . . . . . CONCRETE POWER POLE
  - ELECTRIC METER . . . . . ELECTRIC METER
  - TELEPHONE RISER . . . . . TELEPHONE RISER
  - DREASE TRAP MANHOLE . . . . . DREASE TRAP MANHOLE
  - PEDESTRIAN LIGHT . . . . . PEDESTRIAN LIGHT
  - WATER METER . . . . . WATER METER
  - WOOD POWER POLE . . . . . WOOD POWER POLE
  - STORM DRAINAGE MANHOLE . . . . . STORM DRAINAGE MANHOLE
  - TRAFFIC SIGNAL BOX . . . . . TRAFFIC SIGNAL BOX
  - YARD DRAIN . . . . . YARD DRAIN
  - CLEAN OUT . . . . . CLEAN OUT
  - ELECTRIC PANEL . . . . . ELECTRIC PANEL
  - TRASH CAN . . . . . TRASH CAN
  - BENCH . . . . . BENCH
  - THERMO PADS . . . . . THERMO PADS
  - CURB INLET . . . . . CURB INLET
  - CHAIN LINK FENCE . . . . . CHAIN LINK FENCE
  - NON-VEHICULAR ACCESS LINE . . . . . NON-VEHICULAR ACCESS LINE
  - EXISTING SURFACE ELEVATION N.A.V.D. 1988 . . . . . EXISTING SURFACE ELEVATION N.A.V.D. 1988
  - HANDICAPPED SPACE . . . . . HANDICAPPED SPACE
  - (12) . . . . . NUMBER OF PARKING SPACES
  - CONCRETE DRIVE . . . . . CONCRETE DRIVE

NO.	REVISION	DATE	BY

STONER & ASSOCIATES, Inc.  
 SURVEYORS - MAPPERS  
 Florida Licensed Surveyors  
 and Mapping Business No. 8693  
 4341 S.W. 62nd AVENUE TOWN OF DAVIE, FLORIDA 33314

SKETCH OF BOUNDARY AND LIMITED TOPOGRAPHIC SURVEY OF:  
**GUNTHER VOLKSWAGEN**  
**4300 N STATE ROAD 7**  
 CITY OF COCONUT CREEK, BROWARD COUNTY, FLORIDA

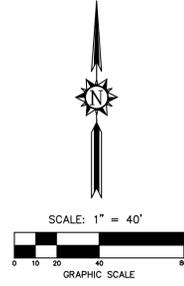
DATE OF SURVEY: 6/21/12  
 DRAWN: DRJ  
 CHECKED: RCC  
 FIELD BOOK: [blank]  
 & FIELD DATA COLLECTOR

**SEAL**  
 NOT VALID UNLESS  
 SEALED HERE WITH  
 AN EMBOSSED  
 SURVEYOR'S SEAL

PROJECT  
**14-8035**  
 SHEET NO.  
**2 OF 3**



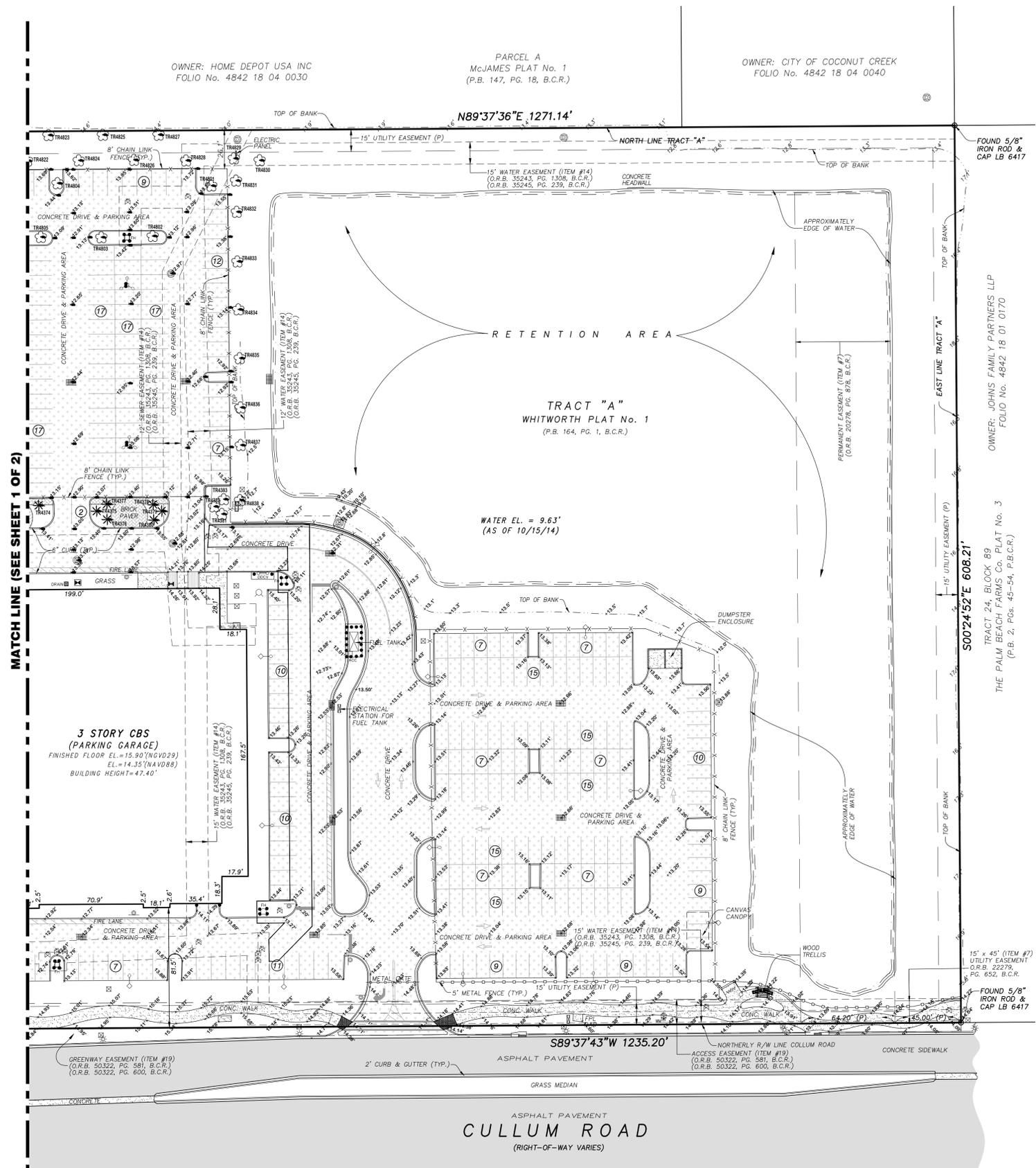
# ALTA/ACSM LAND TITLE SURVEY



OWNER: HOME DEPOT USA INC  
FOLIO No. 4842 18 04 0030

PARCEL A  
McJAMES PLAT No. 1  
(P.B. 147, PG. 18, B.C.R.)

OWNER: CITY OF COCONUT CREEK  
FOLIO No. 4842 18 04 0040



- LEGEND:**
- B.C.R. . . . . . BROWARD COUNTY RECORDS
  - P.B.C.R. . . . . . PALM BEACH COUNTY RECORDS
  - P.B. . . . . . PLAT BOOK
  - O.R.B. . . . . . OFFICIAL RECORD BOOK
  - P.G. . . . . . PAGE
  - P.L.S. . . . . . PROFESSIONAL LAND SURVEYOR
  - L.B. . . . . . LICENSED BUSINESS
  - CONC. . . . . CONCRETE
  - C.L.F. . . . . CHAIN LINK FENCE
  - C. . . . . CENTERLINE
  - (P) . . . . . PER PLAT
  - (TYP.) . . . . . TYPICAL
  - R/W . . . . . RIGHT-OF-WAY
  - INV. . . . . INVERT
  - EL. . . . . ELEVATION
  - F.F.E. . . . . FINISHED FLOOR ELEVATION
  - F.P.L. . . . . FLORIDA POWER & LIGHT
  - A/C . . . . . AIR CONDITIONING UNIT/SLAB
  - F.D.O.T. . . . . FLORIDA DEPARTMENT OF TRANSPORTATION
  - SIGN . . . . . DOUBLE SUPPORT SIGN
  - CURB INLET . . . . . CURB INLET
  - CONCRETE LIGHT POLE . . . . . CONCRETE LIGHT POLE
  - FIBER OPTIC CABLE MARKER . . . . . FIBER OPTIC CABLE MARKER
  - WIRE PULL BOX . . . . . WIRE PULL BOX
  - SIOW . . . . . SIGN
  - SEWER VALVE . . . . . SEWER VALVE
  - WATER VALVE . . . . . WATER VALVE
  - SANITARY SEWER MANHOLE . . . . . SANITARY SEWER MANHOLE
  - ANCHOR OR GUY WIRE . . . . . ANCHOR OR GUY WIRE
  - IRRIGATION BOX . . . . . IRRIGATION BOX
  - BACKFLOW PREVENTER . . . . . BACKFLOW PREVENTER
  - DOUBLE DETECTOR CHECK VALVE . . . . . DOUBLE DETECTOR CHECK VALVE
  - PH . . . . . FIRE HYDRANT
  - GUARD POST . . . . . GUARD POST
  - ELECTRIC METER . . . . . ELECTRIC METER
  - TELEPHONE RISER . . . . . TELEPHONE RISER
  - DREASE TRAP MANHOLE . . . . . DREASE TRAP MANHOLE
  - PEDESTRIAN LIGHT . . . . . PEDESTRIAN LIGHT
  - WATER METER . . . . . WATER METER
  - WOOD POWER POLE . . . . . WOOD POWER POLE
  - STORM DRAINAGE MANHOLE . . . . . STORM DRAINAGE MANHOLE
  - TRAFFIC SIGNAL BOX . . . . . TRAFFIC SIGNAL BOX
  - YARD DRAIN . . . . . YARD DRAIN
  - CLEAN OUT . . . . . CLEAN OUT
  - ELECTRIC PANEL . . . . . ELECTRIC PANEL
  - TRASH CAN . . . . . TRASH CAN
  - BENCH . . . . . BENCH
  - THERMO PADS . . . . . THERMO PADS
  - CURB INLET . . . . . CURB INLET
  - CHAIN LINK FENCE . . . . . CHAIN LINK FENCE
  - NON-VEHICULAR ACCESS LINE . . . . . NON-VEHICULAR ACCESS LINE
  - EXISTING SURFACE ELEVATION N.A.V.D. 1988 . . . . . EXISTING SURFACE ELEVATION N.A.V.D. 1988
  - HANDICAPPED SPACE . . . . . HANDICAPPED SPACE
  - NUMBER OF PARKING SPACES . . . . . NUMBER OF PARKING SPACES
  - CONCRETE DRIVE . . . . . CONCRETE DRIVE

TREE ID#	COMMON NAME	TRUNK DIAMETER	COMMENTS
4339	PALM CLUSTER	72"	
4340	QUEEN PALM	10"	
4341	QUEEN PALM	7"	
4342	ROYAL PALM	15"	
4343	QUEEN PALM	7"	
4344	QUEEN PALM	7"	
4345	QUEEN PALM	9"	
4346	QUEEN PALM	7"	
4347	QUEEN PALM	9"	
4348	QUEEN PALM	9"	
4349	QUEEN PALM	9"	
4350	QUEEN PALM	10"	
4351	QUEEN PALM	10"	
4352	QUEEN PALM	10"	
4353	QUEEN PALM	10"	
4354	QUEEN PALM	9"	
4355	QUEEN PALM	9"	
4356	OAK TREE	10"	
4357	OAK TREE	10"	
4358	OAK TREE	10"	
4359	OAK TREE	6"	
4360	QUEEN PALM	8"	
4361	QUEEN PALM	6"	
4362	QUEEN PALM	6"	
4363	QUEEN PALM	7"	
4364	QUEEN PALM	7"	
4365	QUEEN PALM	7"	
4366	QUEEN PALM	6"	
4367	QUEEN PALM	9"	
4368	QUEEN PALM	8"	
4369	QUEEN PALM	8"	
4370	QUEEN PALM	8"	
4371	QUEEN PALM	8"	
4372	QUEEN PALM	8"	
4373	QUEEN PALM	6"	
4374	QUEEN PALM	8"	
4375	QUEEN PALM	8"	
4376	QUEEN PALM	7"	
4377	QUEEN PALM	9"	
4378	QUEEN PALM	9"	
4379	QUEEN PALM	9"	
4380	QUEEN PALM	7"	
4381	MAPLE TREE	4"	
4382	MAPLE TREE	3"	
4383	MAPLE TREE	3"	
4507	QUEEN PALM	9"	
4508	QUEEN PALM	8"	
4509	QUEEN PALM	9"	
4510	QUEEN PALM	9"	
4511	QUEEN PALM	9"	
4512	UNKNOWN TREE	10"	
4513	UNKNOWN TREE	7"	
4514	UNKNOWN TREE	10"	
4515	QUEEN PALM	9"	
4516	UNKNOWN TREE	10"	
4517	UNKNOWN TREE	3"	
4522	OAK TREE	7"	
4523	ROYAL PALM	15"	
4524	OAK TREE	7"	
4525	UNKNOWN TREE	10"	
4526	UNKNOWN TREE	8"	
4527	OAK TREE	9"	
4528	OAK TREE	5"	
4529	UNKNOWN TREE	5"	
4530	UNKNOWN TREE	4"	
4531	ROYAL PALM	18"	
4532	ROYAL PALM	15"	
4533	ROYAL PALM	15"	
4534	ROYAL PALM	18"	
4535	ROYAL PALM	18"	
4536	ROYAL PALM	15"	
4537	QUEEN PALM	7"	
4538	QUEEN PALM	8"	
4539	QUEEN PALM	8"	
4540	QUEEN PALM	8"	
4541	QUEEN PALM	10"	
4542	QUEEN PALM	8"	
4543	UNKNOWN TREE	8"	
4544	UNKNOWN TREE	4"	
4545	UNKNOWN TREE	6"	
4546	UNKNOWN TREE	12"	
4547	UNKNOWN TREE	8"	
4548	UNKNOWN TREE	5"	
4549	UNKNOWN TREE	9"	
4550	QUEEN PALM	8"	

TREE ID#	COMMON NAME	TRUNK DIAMETER	COMMENTS
4551	QUEEN PALM	6"	
4552	QUEEN PALM	10"	
4553	QUEEN PALM	7"	
4554	QUEEN PALM	9"	
4555	QUEEN PALM	7"	
4556	UNKNOWN TREE	7"	
4557	OAK TREE	14"	
4558	OAK TREE	9"	
4559	UNKNOWN TREE	18"	
4560	OAK TREE	12"	
4561	UNKNOWN TREE	11"	
4562	OAK TREE	9"	
4563	UNKNOWN TREE	15"	
4564	UNKNOWN TREE	5"	
4565	OAK TREE	12"	
4566	UNKNOWN TREE	14"	
4567	OAK TREE	11"	
4568	UNKNOWN TREE	24"	
4569	OAK TREE	13"	
4570	UNKNOWN TREE	20"	
4571	OAK TREE	11"	
4572	UNKNOWN TREE	18"	
4573	UNKNOWN TREE	12"	
4574	OAK TREE	7"	
4575	OAK TREE	6"	
4576	OAK TREE	7"	
4577	OAK TREE	8"	
4578	OAK TREE	8"	
4579	OAK TREE	9"	
4580	UNKNOWN TREE	5"	
4581	UNKNOWN TREE	6"	
4582	OAK TREE	7"	
4583	OAK TREE	6"	
4584	UNKNOWN TREE	7"	
4585	QUEEN PALM	7"	
4586	QUEEN PALM	12"	
4587	QUEEN PALM	7"	
4588	UNKNOWN TREE	8"	
4589	QUEEN PALM	9"	
4590	QUEEN PALM	8"	
4591	QUEEN PALM	8"	
4592	UNKNOWN TREE	9"	
4593	OAK TREE	7"	
4594	OAK TREE	6"	
4595	OAK TREE	6"	
4796	SOLITARY PALM	4"	
4797	SOLITARY PALM	4"	
4801	UNKNOWN TREE	9"	
4802	OAK TREE	10"	
4803	OAK TREE	8"	
4804	UNKNOWN TREE	5"	
4805	OAK TREE	9"	
4806	OAK TREE	8"	
4807	OAK TREE	10"	
4808	OAK TREE	8"	
4809	OAK TREE	6"	
4810	OAK TREE	6"	
4811	OAK TREE	6"	
4812	OAK TREE	9"	
4813	UNKNOWN TREE	12"	
4814	OAK TREE	9"	
4815	UNKNOWN TREE	13"	
4816	OAK TREE	8"	
4817	UNKNOWN TREE	12"	
4818	OAK TREE	9"	
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4820	OAK TREE	9"	
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4830	MAPLE TREE	5"	
4831	MAPLE TREE	3"	
4832	MAPLE TREE	3"	
4833	MAPLE TREE	3"	
4834	MAPLE TREE	3"	
4835	MAPLE TREE	3"	
4836	MAPLE TREE	3"	
4837	MAPLE TREE	3"	
4838	MAPLE TREE	3"	

STONER & ASSOCIATES, Inc.  
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FAX (954) 585-3927

SKETCH OF BOUNDARY AND LIMITED TOPOGRAPHIC SURVEY OF:  
**GUNTHER VOLKSWAGEN**  
**4300 N STATE ROAD 7**  
CITY OF COCONUT CREEK, BROWARD COUNTY, FLORIDA

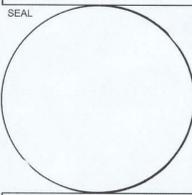
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DRAWN: DRJ  
CHECKED: RGC  
FIELD BOOK: [blank]  
BY: [blank]

PROJECT: 14-8035  
SHEET NO. 3 OF 3



FILE: C:\Users\ADMIN\Documents\STONER\12-7788\_Gunther Motor Co\N0880\_ALTA SURVEY.dwg

REVISIONS:
1 CITY REVIEW COMMENTS 01.16.17



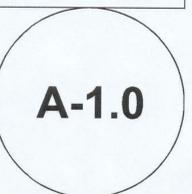
CONSULTANT

**STILES ARCHITECTURAL GROUP**  
 301 East Las Olas Blvd  
 Fort Lauderdale, Florida  
 954 - 627 - 9180 33301  
 FL REG # AA-26001798



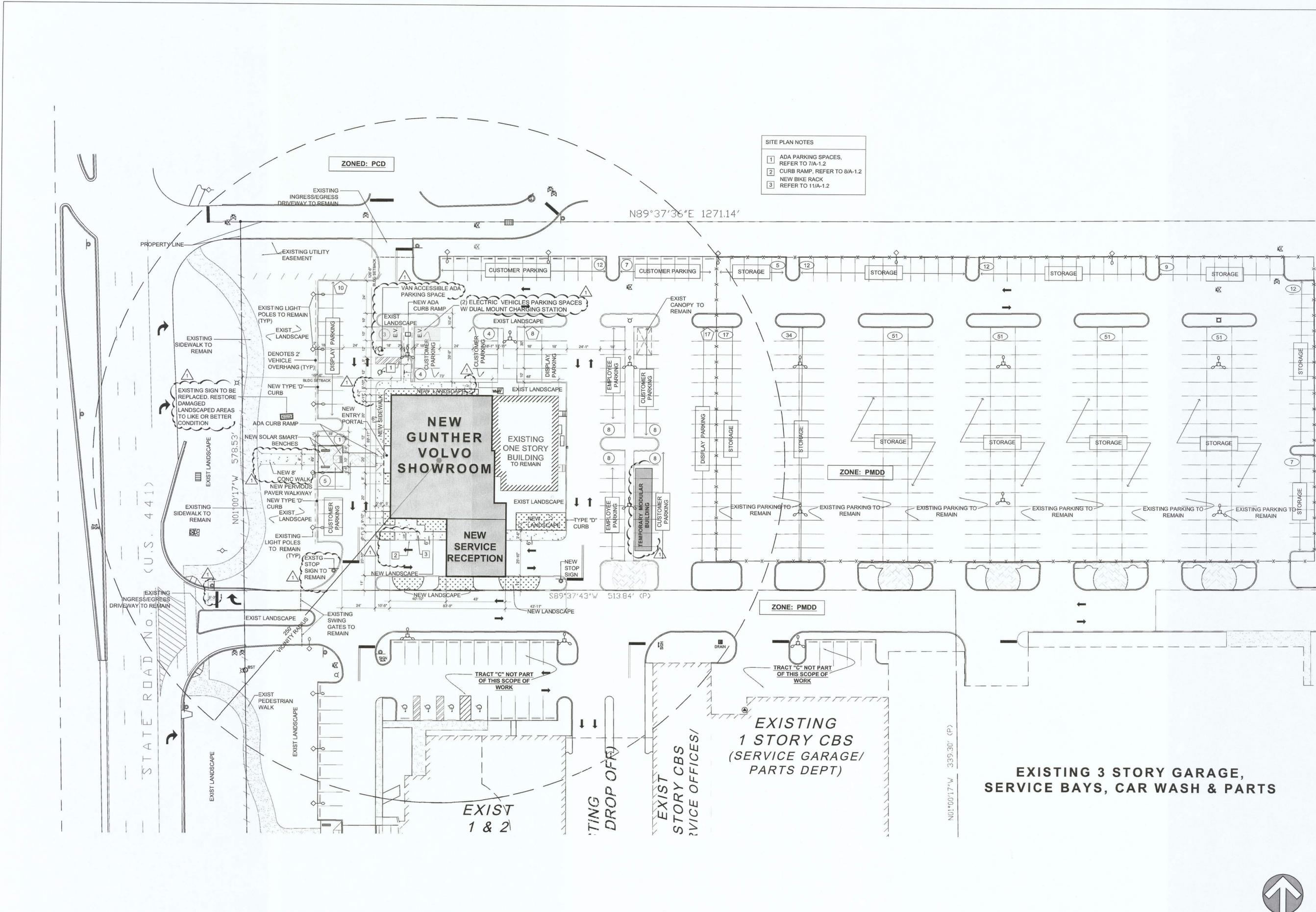
NEW SHOWROOM AND SERVICE RECEPTION:  
**GUNTER VOLVO - COCONUT CREEK**  
 4350 NORTH STATE ROAD 7  
 COCONUT CREEK, FL 33073

PARTIAL SITE PLAN



PROJECT NO.  
73889  
 DRAWN BY:  
G.L. / K.C.  
 CHECKED BY:  
J.P.  
 DATE:  
February 6, 2017

- SITE PLAN NOTES**
- 1 ADA PARKING SPACES, REFER TO 7/A-1.2
  - 2 CURB RAMP, REFER TO 8/A-1.2
  - 3 NEW BIKE RACK REFER TO 11/A-1.2



PARTIAL SITE PLAN

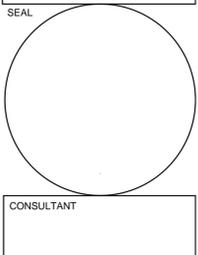
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01



T:\B\2017\73889\Drawings\Site Plan\Approved\Site Plan\DWG\73889\_SitePlan.dwg, 2/6/17 2:16:14 PM, K.C.

REVISIONS :	
1	CITY REVIEW COMMENTS 01.16.17



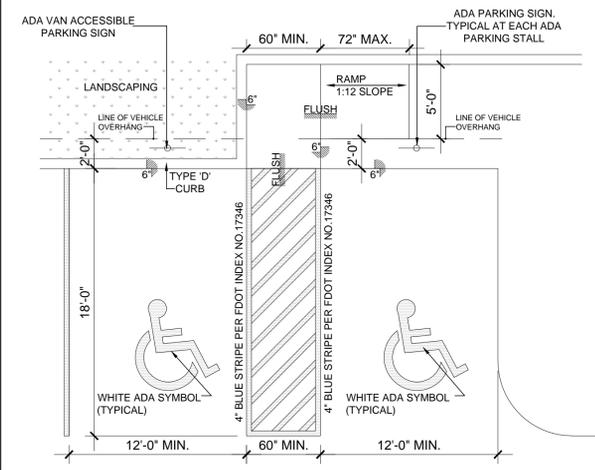
**STILES ARCHITECTURAL GROUP**  
 301 East Las Olas Blvd  
 Fort Lauderdale, Florida,  
 954 - 627- 9180 33301  
 FL. REG # AA-26001798

NEW SHOWROOM AND SERVICE RECEPTION:  
**GUNTHER VOLVO - COCONUT CREEK**  
 4350 NORTH STATE ROAD 7  
 COCONUT CREEK, FL 33073

SITE DETAILS

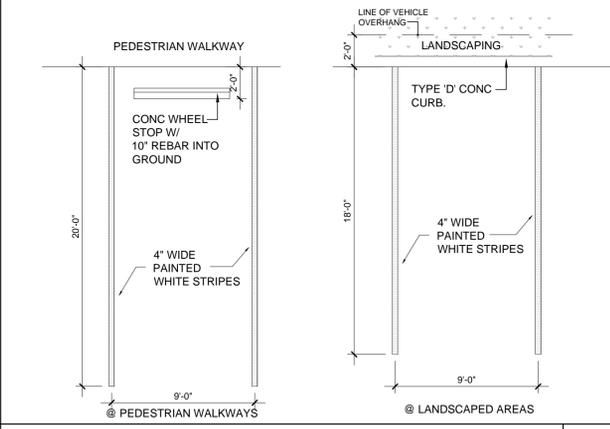


PROJECT NO.  
73989  
 DRAWN BY :  
G.L. / K.C.  
 CHECKED BY :  
J.P.  
 DATE :  
February 27, 2017



1. ADA STALL STRIPING FDOT STANDARD INDEX 17346 (JANUARY, 1998) (TYP.) 3'-6" WIDE AS REFERENCED BY THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION.
2. ADA PARKING SHALL BE AS PER 2012 FLORIDA ACCESSIBILITY CODE SECT. 502 AND SECT. IV, PG. 74 OF THE ADA PARKING COMPLIANCE MANUAL.

90° ACCESSIBLE PARKING SPACE SCALE: NTS 07



90° STANDARD PARKING SPACE SCALE: NTS 06

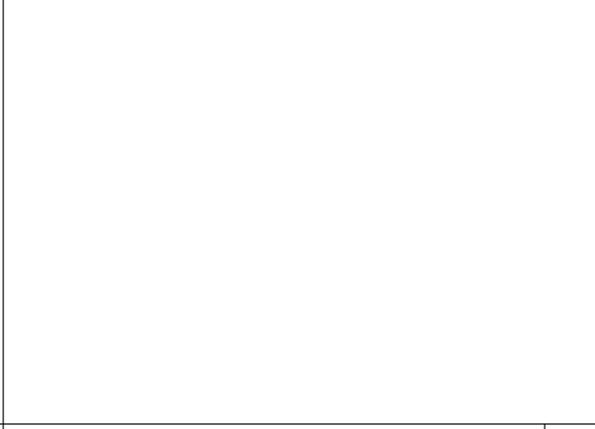


NOT USED SCALE: 3/16" = 1'-0" 01

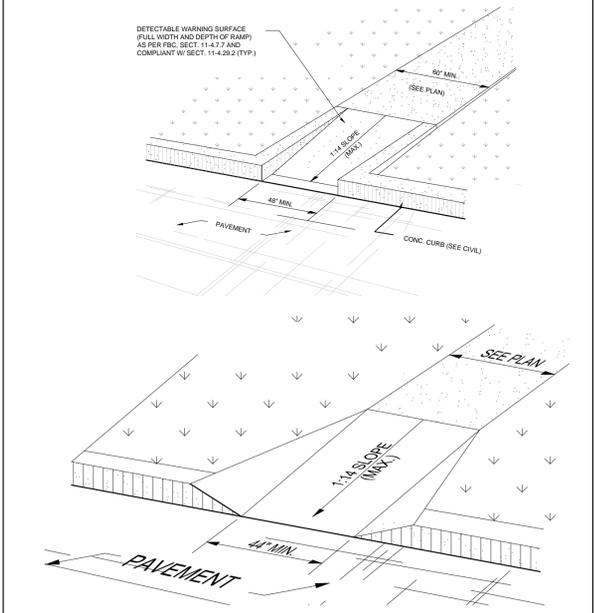


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NOT USED SCALE: NTS 09



NOT USED SCALE: NTS 08

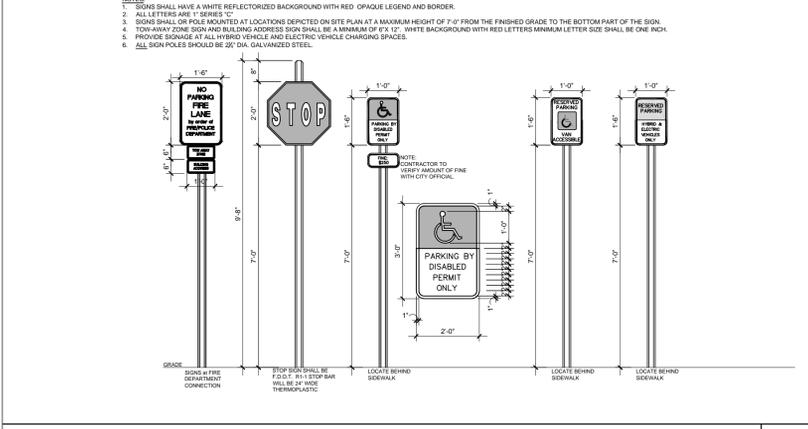


RAMP DETAIL SCALE: NTS 08

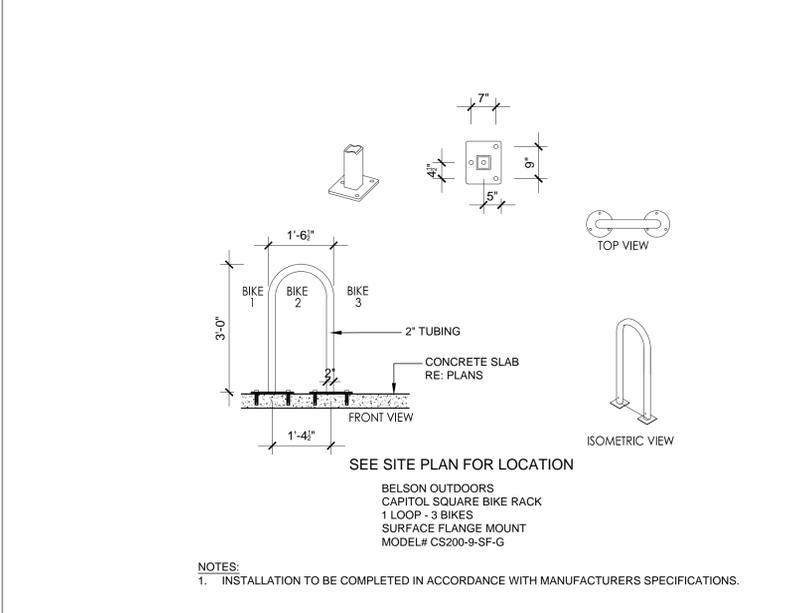


NOT USED SCALE: NTS 13

SIGNAGE DETAILS SCALE: NTS 12



SIGNAGE DETAILS SCALE: NTS 12



BICYCLE RACK DETAIL SCALE: NTS 11

NOT USED SCALE: NTS 05

NOT USED SCALE: NTS 04

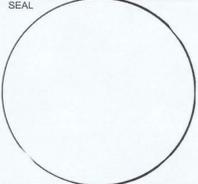
NOT USED SCALE: NTS 03

NOT USED SCALE: NTS 02

NOT USED SCALE: NTS 01

T:\backlog\73989\Gunther Volvo Coconut Creek\Arch Drawings\Site Plan\Approval\BDC\Sheet\2389 SPA\_A-1.2\_Site\_Details.dwg 2/27/17 2:34:01 PM, J.C.

REVISIONS:

CONSULTANT

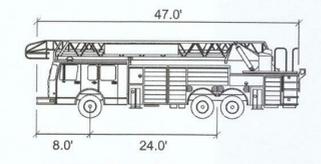
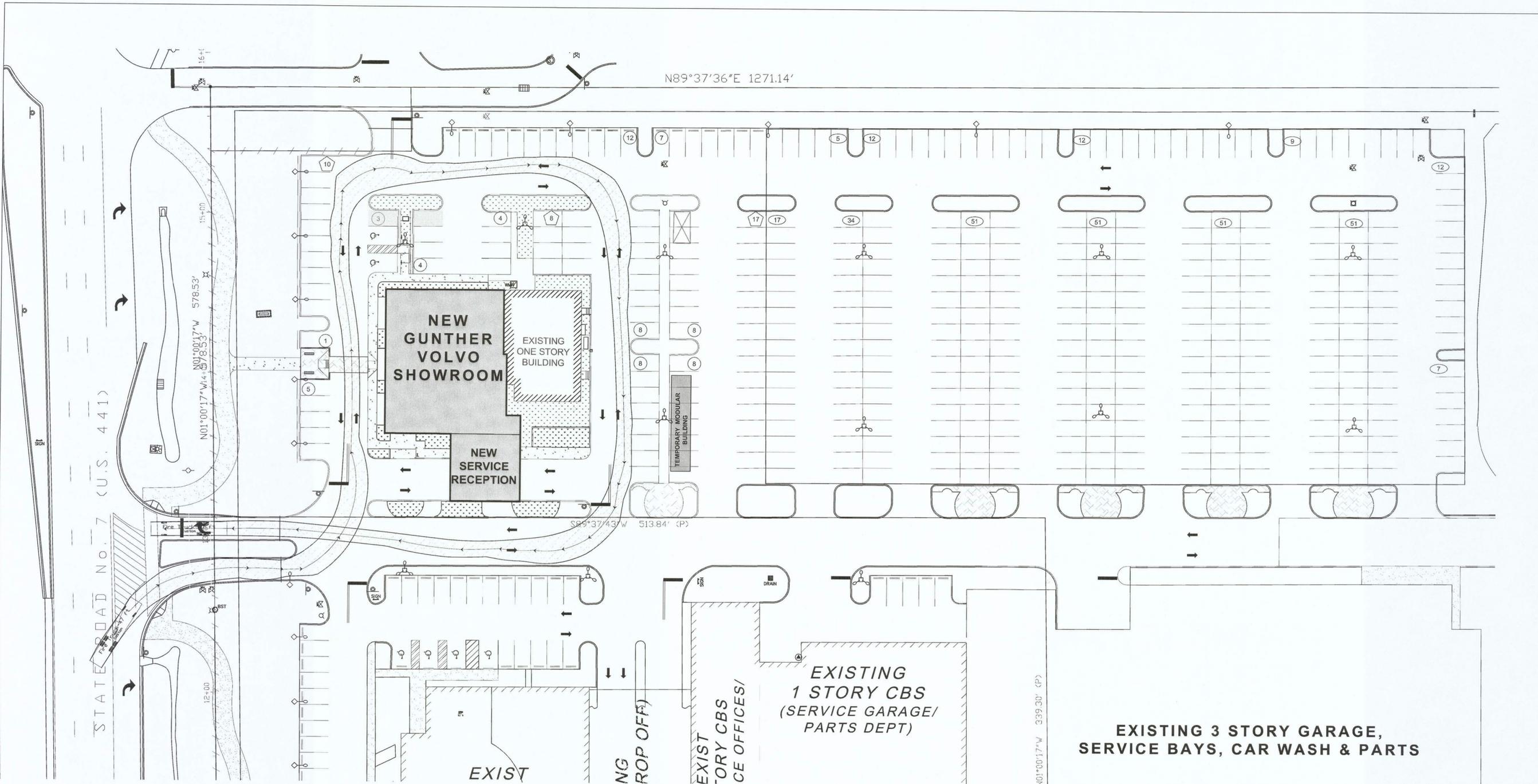
**STILES ARCHITECTURAL GROUP**  
 301 East Las Olas Blvd  
 Fort Lauderdale, Florida, 33301  
 954 - 627 - 9180  
 FL. REG # AA-26001798

NEW SHOWROOM AND SERVICE RECEPTION:  
**GUNTER VOLVO - COCONUT CREEK**  
 4350 NORTH STATE ROAD 7  
 COCONUT CREEK, FL 33073

SITE FIRE TRUCK PLAN

**A-1.1**

PROJECT NO. 73989  
 DRAWN BY: G.L./K.C.  
 CHECKED BY: J.P.  
 DATE: February 6, 2017



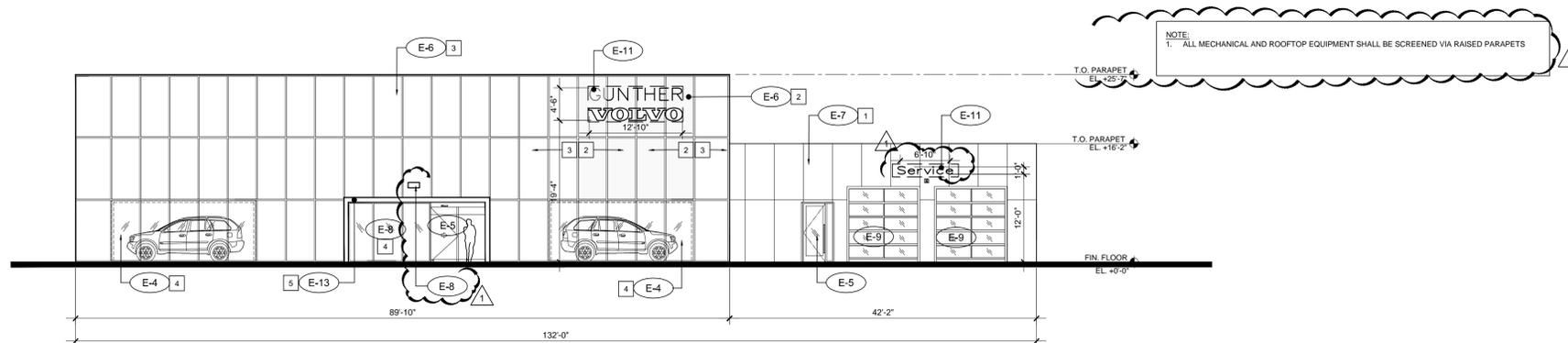
FIRE TRUCK	FEET
Width	: 8.50
Track	: 8.50
Lock to Lock Time	: 20.0
Steering Angle	: 35.0

FIRE TRUCK SIMULATION



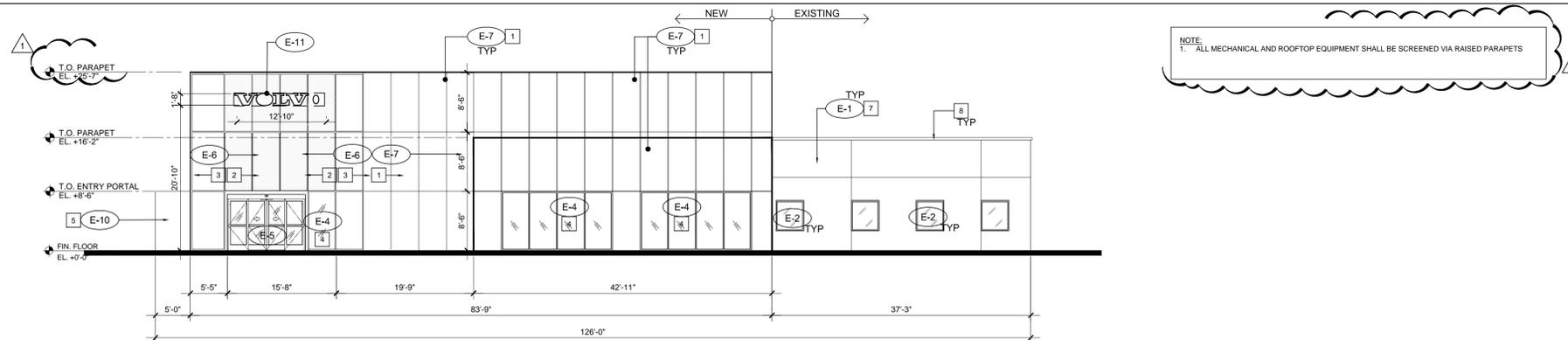
T:\ARCH\2018\Gunter Volvo Coconut Creek\Fire Truck\Site Fire Truck Plan.dwg (P) 2/6/2017 3:52:31 PM, J.P.

WEST ELEVATION



SCALE: 3/32" = 1'-0" 04

SOUTH ELEVATION



SCALE: 3/32" = 1'-0" 03

- NOTES:**
- THIS DEVELOPMENT SHALL INCORPORATE LOW EMITTING BUILDING OR CONSTRUCTION MATERIALS AND SUBSTANCES CONTAINING MINIMAL OR NO LEVELS OF VOLATILE ORGANIC COMPOUNDS (LOW-VOC OR NO-VOC) FOR PAINTS, COATINGS ADHESIVES, SEALANTS, COMPOSITE WOOD AND AGRI-FIBER PRODUCTS. VOC LIMITS SHALL BE IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF SOUTH COAST AIR-QUALITY MANAGEMENT DISTRICT (SCAQM/D) RULE 1168
  - ANY AND ALL INTERIOR PAINT SHALL COMPLY WITH THE FOLLOWING VOC LIMITS:  
 INTERIOR LATEX FLAT - 50g/L  
 INTERIOR LATEX NON-FLAT - 150g/L

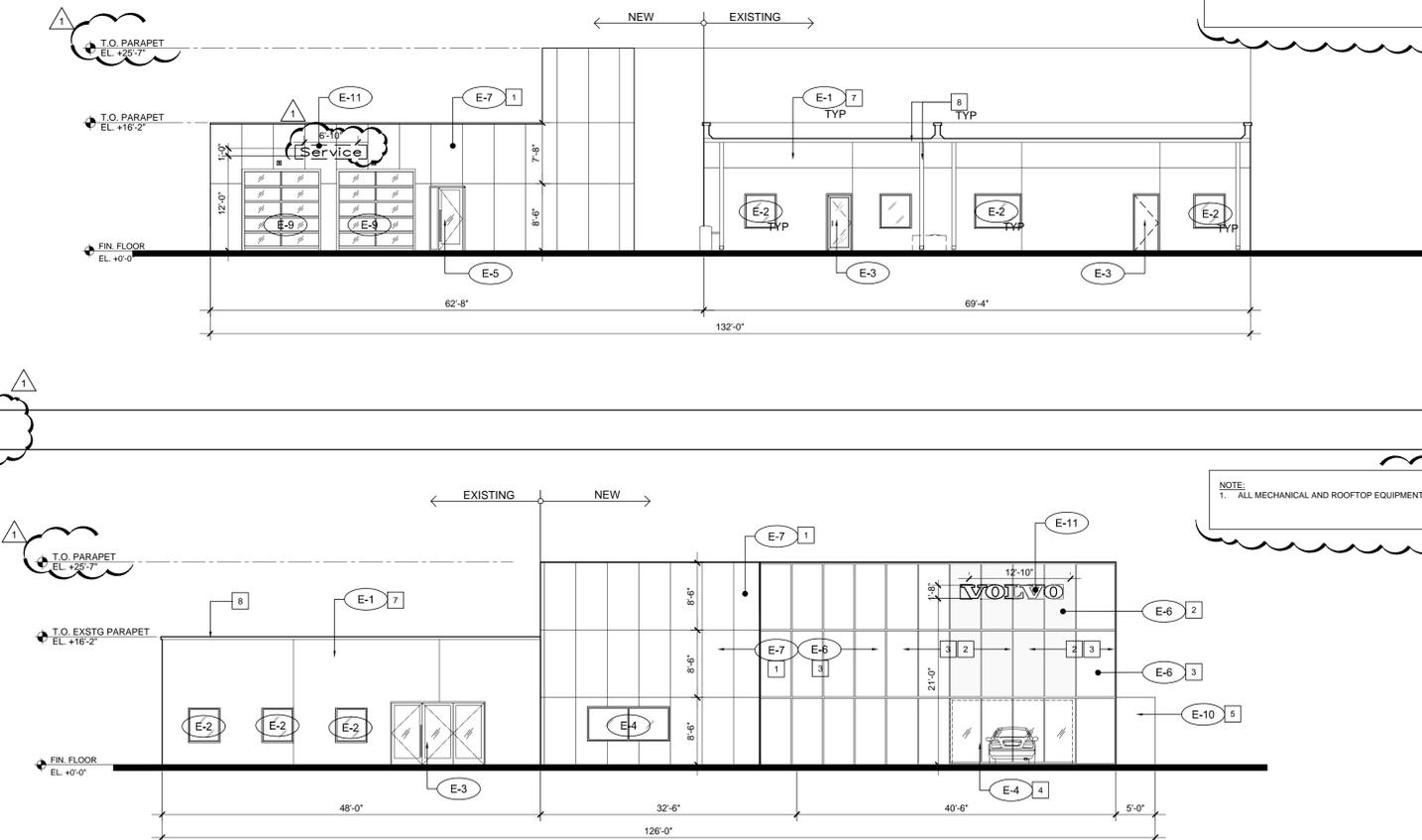
ELEVATION LEGEND	
KEY	SYSTEMS
E-1	EXISTING STUCCO TO REMAIN
E-2	EXISTING IMPACT RESISTANT WINDOW TO REMAIN
E-3	EXISTING DOOR TO REMAIN
E-4	IMPACT RESISTANT CLEAR GLASS IN WHITE ANODIZED ALUMINUM STOREFRONT SYSTEM
E-5	IMPACT RESISTANT CLEAR GLASS DOORS IN WHITE ANODIZED ALUMINUM FRAME
E-6	IMPACT RESISTANT FROSTED GLASS IN WHITE ANODIZED ALUMINUM CURTAIN WALL SYSTEM
E-7	ALUMINUM COMPOSITE METAL (ACM) PANEL (VOLVO SILVER)
E-8	6' (MIN.) HIGH BAY ADDRESS IDENTIFICATION NUMBER ON WEST ELEVATION
E-9	IMPACT RESISTANT OVERHEAD SECTIONAL DOOR W/ GLASS PANELS (NOA #12-0620.15)
E-10	METAL ENTRY PORTAL
E-11	SIGN BY OTHERS (WHITE LETTERS)
E-12	NOT USED
E-13	NOT USED
E-14	NOT USED

- COLOR KEY**
- 1 ALUMINUM COMPOSITE METAL  
COLOR: SUNRISE SILVER METALLIC COOL (VOLVO SILVER)
  - 2 FROSTED GLASS  
COLOR: LAMINATE VANCEVA - BLUE (VIRACOM)
  - 3 FROSTED GLASS  
COLOR: VELOUR OFF-WHITE (VIRACOM)
  - 4 STOREFRONT GLASS  
COLOR: CLEAR
  - 5 COMPACT LAMINATE CLADDING: WOOD-LIKE  
COLOR (FUNDER-MAX CREEK)
  - 6 NOT USED
  - 7 EXISTING BUILDING: VOLVO MEDIUM GREY
  - 8 EXTERIOR GUTTER, DOWNSPOUT AND FLASHING  
COLOR: VOLVO MEDIUM GREY

ELEVATION LEGEND & KEYNOTES

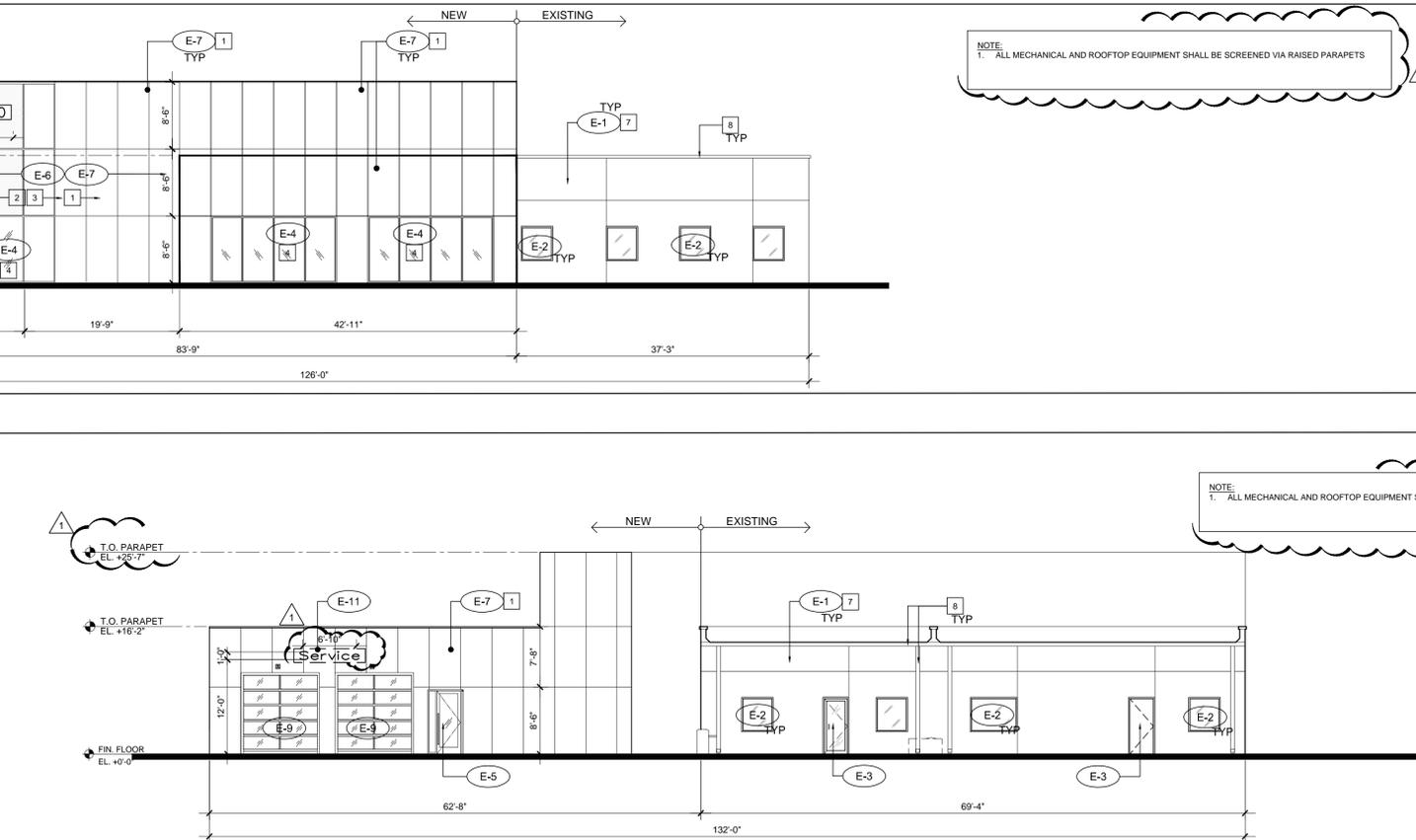
05

NORTH ELEVATION



SCALE: 3/32" = 1'-0" 02

EAST ELEVATION



SCALE: 3/32" = 1'-0" 01

REVISIONS:

1	CITY REVIEW COMMENTS
	01.16.17

SEAL

CONSULTANT

**STILES ARCHITECTURAL GROUP**  
 301 East Las Olas Blvd  
 Fort Lauderdale, Florida  
 954 - 627- 9180 33301  
 FL. REG # AA-26001798

NEW SHOWROOM AND SERVICE RECEPTION:  
**GUNTHER VOLVO - COCONUT CREEK**  
 4350 NORTH STATE ROAD 7  
 COCONUT CREEK, FL 33073

ELEVATIONS

**A-3.0**

PROJECT NO.  
73989  
 DRAWN BY:  
G.L./K.C.  
 CHECKED BY:  
J.P.  
 DATE:  
February 27, 2017



# GUNTHER MOTOR COMPANY GUNTHER VOLVO DEALERSHIP COCONUT CREEK, FLORIDA

## PLANS FOR SHOWROOM AND OFFICE BUILDING SITE PAVING, GRADING AND DRAINAGE

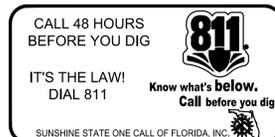
### INDEX OF SHEETS

SHEET NO.	SHEET DESCRIPTION
C-01	COVER SHEET / LOCATION MAP
C-02	GENERAL NOTES AND KEY MAP
C-03	TYPICAL SECTIONS / PAVING DETAILS
C-04	MISCELLANEOUS DETAILS
C-05	DEMOLITION / POLLUTION PREVENTION PLAN
C-06	GRADING AND DRAINAGE PLAN
C-07	PAVING AND GEOMETRY PLAN
C-08	SIGNING AND MARKING PLAN
C-09	DRAINAGE DETAILS & NOTES
C-10	POLLUTION PREVENTION NOTES & DETAILS

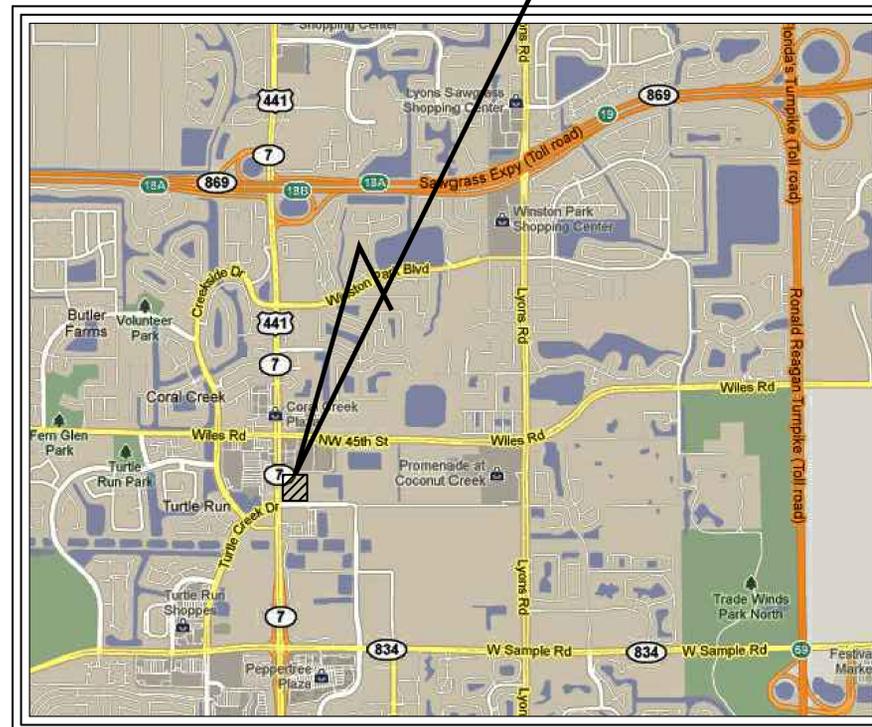
ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY BE ALTERED IN SCALE BY REPRODUCTION AND MAY BE REDUCED IN SCALE. THIS MUST BE TAKEN INTO ACCOUNT WHEN OBTAINING SCALED DATA.

THE PUBLIC ROADWAY(S) INDICATED IN THESE PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE "MANUAL OF UNIFORM MINIMUM STANDARD FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS & HIGHWAYS - STATE OF FLORIDA."

KEY SHEET REVISIONS		
DATE	BY	DESCRIPTION
2/3/17	IK	REVISED FOR DRC COMMENTS



LOCATION OF PROJECT



**LOCATION MAP**  
CITY OF COCONUT CREEK, FLORIDA  
SECTION 18, TOWNSHIP 48 S, RANGE 42 E

ELEVATIONS SHOWN ON THESE PLANS ARE REFERENCED TO THE NAVD 1988 DATUM (NGVD 29 REFERENCE ELEVATIONS HAVE BEEN CONVERTED)

LEGAL DESCRIPTION

TRACT "A" AND TRACT "C" OF THE WHITWORTH PLAT NO. 1 AS RECORDED IN PLAT BOOK 164 PAGE 1 OF THE PUBLIC RECORD OF BROWARD COUNTY.

**OWNER**

**GUNTHER MOTOR COMPANY**

4300 NORTH STATE ROAD 7  
COCONUT CREEK, FL 33073  
PHONE: 954-590-3750

PREPARED BY :

**JOSEPH ROLES AND ASSOC., INC.**  
**CONSULTING ENGINEERS**

7501 N.W. 4th STREET, SUITE 101  
PLANTATION, FLORIDA 33317  
PHONE (954) 581-1945  
CERTIFICATE OF AUTHORIZATION NO. 3948



ENGINEER OF RECORD: \_\_\_\_\_ DATE: \_\_\_\_\_  
JOSEPH W. ROLES, JR. P.E.  
REG. ENGINEER NO. 16965

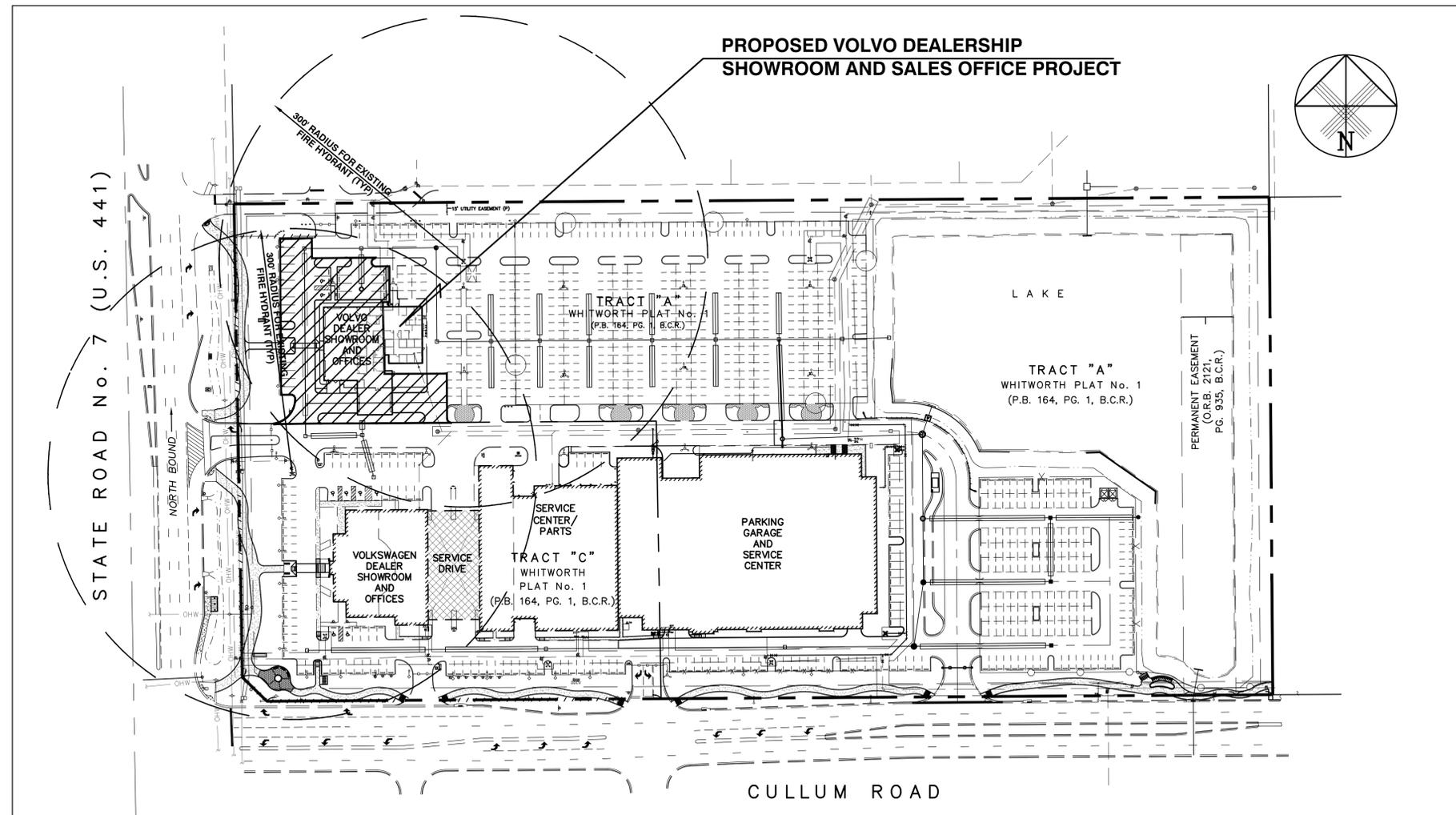
## GENERAL NOTES AND SPECIFICATIONS

- ALL CONSTRUCTION FOR THIS PROJECT SHALL BE DONE IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE PROJECT SPECIFICATIONS AND THE CITY OF COCONUT CREEK.
- HORIZONTAL AND VERTICAL CONTROL DATA WILL BE PROVIDED BY THE OWNER. ALL CONSTRUCTION STAKING WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE LOCATION OF EXISTING UTILITIES AND TOPOGRAPHY HAS BEEN PREPARED FROM THE MOST RELIABLE INFORMATION AVAILABLE TO THE ENGINEER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT TOPOGRAPHY AND LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION SINCE TOTAL ACCURACY OF THE DATA PROVIDED CANNOT BE GUARANTEED.
- B.M. DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD-88).
- PRIOR TO CONSTRUCTION, A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD, WHICH WILL INCLUDE THE ENGINEER, THE CONTRACTOR, THE OWNER, THE CITY AND/OR STATE REPRESENTATIVE AND ALL UTILITY COMPANIES. THE CONTRACTOR IS TO NOTIFY THE FOLLOWING UTILITY COMPANIES, AGENCIES AND ANY OTHERS SERVING THE AREA (MINIMUM 72 HOURS PRIOR TO CONSTRUCTION):

FLORIDA POWER & LIGHT CO.	(954) 956-2014
AT&T	(954) 979-9200
SUNSHINE NETWORK	1-800-432-4770
CITY OF COCONUT CREEK	(954) 545-6655

WORK PERFORMED FOR THIS PROJECT WILL NOT BE CONSIDERED AS COMPLETE UNTIL FINAL ACCEPTANCE OF THE SYSTEMS BY THE OWNER AND UNTIL THE FOLLOWING DOCUMENTS ARE RECEIVED FROM THE CONTRACTOR AND APPROVED BY THE ENGINEER:

- CONTRACTOR'S WAIVER AND RELEASE OF LIEN.
  - CONTRACTOR'S LETTER OF WARRANTY (I.E. LETTER AGREEMENT, ONE (1) YEAR GUARANTEE).
  - "AS BUILT" DATA AS PREPARED BY A REGISTERED LAND SURVEYOR.
  - RELEASE FROM THE CITY OF COCONUT CREEK.
  - OTHER ITEMS AS REQUIRED BY THE ENGINEER.
- ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD NOTIFY THE COUNTY SURVEYOR BY TELEPHONE WITHOUT DELAY AND PROCEED AS INSTRUCTED BY HIM.
  - THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES OR UNDERGROUND UTILITIES.
  - THE APPROPRIATE UTILITY COMPANY SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF ANY EXCAVATION INVOLVING THEIR LINES SO THAT A COMPANY REPRESENTATIVE CAN BE PRESENT FOR EXACT LOCATIONS.
  - PRIOR TO CONSTRUCTION, CONTRACTOR IS TO LOCATE ALL UNDERGROUND ELECTRIC UTILITIES AND PROTECT THEM AT ALL TIMES DURING CONSTRUCTION.
  - THE LOCATION OF THE PROPOSED FACILITIES SHOWN IN THE PLANS IS APPROXIMATE ONLY. LOCATION ADJUSTMENT SHALL BE DETERMINED BY THE ENGINEER DURING CONSTRUCTION BASED UPON FIELD CONDITIONS, SUBJECT TO ARCHITECT AND/OR OWNER APPROVAL FOR ON SITE FACILITIES AND THE CITY OF COCONUT CREEK BEACH AND/OR FLORIDA DEPT. OF TRANSPORTATION FOR PUBLIC RIGHTS-OF-WAY AND EASEMENTS.
  - ALL EXISTING LANDSCAPING WITHIN THE CONSTRUCTION AREAS IS TO BE REMOVED OR TO BE RELOCATED BY THE CONTRACTOR, AS DIRECTED BY THE ENGINEER. SEE LANDSCAPE PLAN BY OTHERS.
  - CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE FLORIDA TRENCH SAFETY ACT.



**KEY MAP**  
**GUNTHER MOTOR COMPANY SITE**  
**COCONUT CREEK FLORIDA**  
**EXISTING VOLKSWAGEN DEALERSHIP &**  
**PROPOSED VOLVO DEALERSHIP ADDITION**  
**(NO SCALE)**

DESIGNED BY	IK	11/16				
DRAWN BY	IK	11/16				
CHECKED BY	JWR	11/16				
APPROVED BY	JWR	11/16	REVISED FOR DRC COMMENTS	1	2/3/17	IK
NAME	DATE		REVISIONS	NO.	DATE	BY



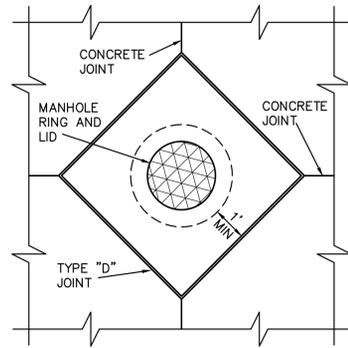
**JOSEPH ROLES AND ASSOC., INC.**  
**CONSULTING ENGINEERS**  
 7501 N.W. 4th STREET, SUITE 101  
 PLANTATION, FLORIDA 33317  
 PHONE (954) 581-1945  
 CERTIFICATE OF AUTHORIZATION NO. 3948

**GUNTHER VOLVO DEALERSHIP**  
**CITY OF COCONUT CREEK, FLORIDA**  
**GENERAL NOTES AND KEY MAP**

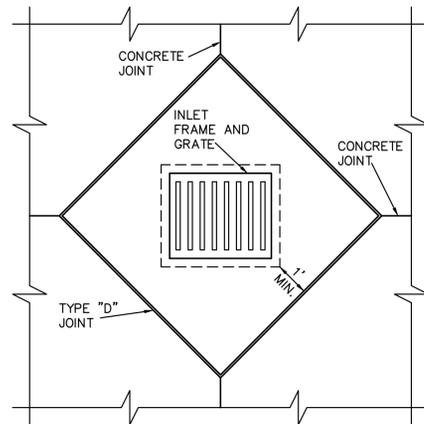
JOSEPH W. ROLES, JR. P.E.  
 REG. ENGINEER NO. 16865

DATE: 11/16  
 SCALE: AS SHOWN  
 PROJECT NO. 112-511-04

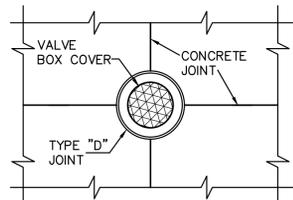
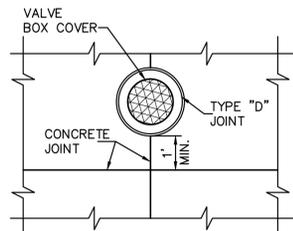
SHEET NO. **C-02** OF **10**



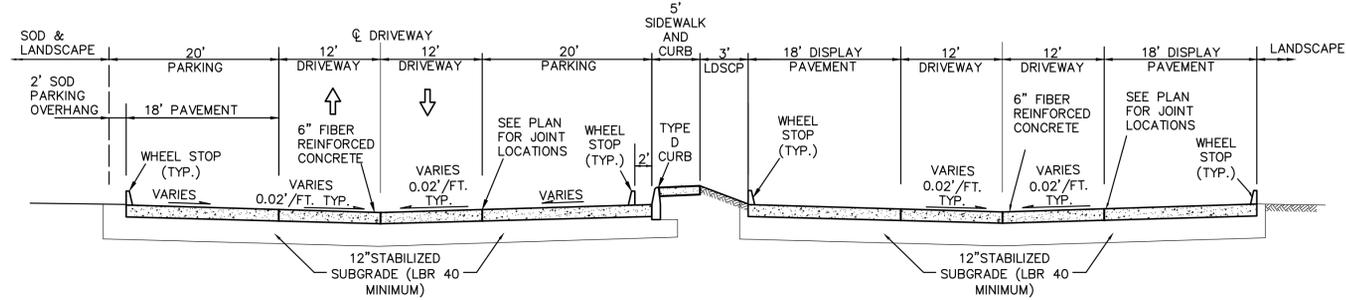
**CONCRETE JOINT PLACEMENT  
AROUND MANHOLE COVERS**



**CONCRETE JOINT PLACEMENT  
AROUND INLET GRATES**

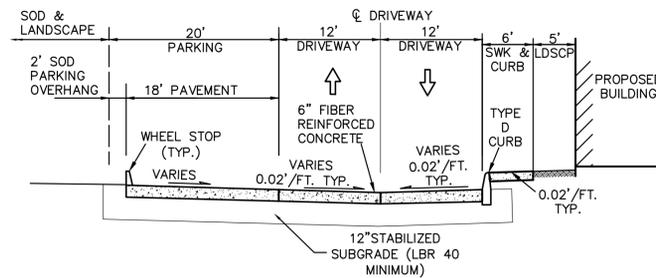


**CONCRETE JOINT PLACEMENT  
AROUND VALVE BOX**



**TYPICAL SECTION - PARKING AND DRIVE**

**TYPICAL SECTION - DISPLAY PARKING AND DRIVE**



**TYPICAL SECTION - PARKING AND DRIVE AT BUILDING FRONTAGE**

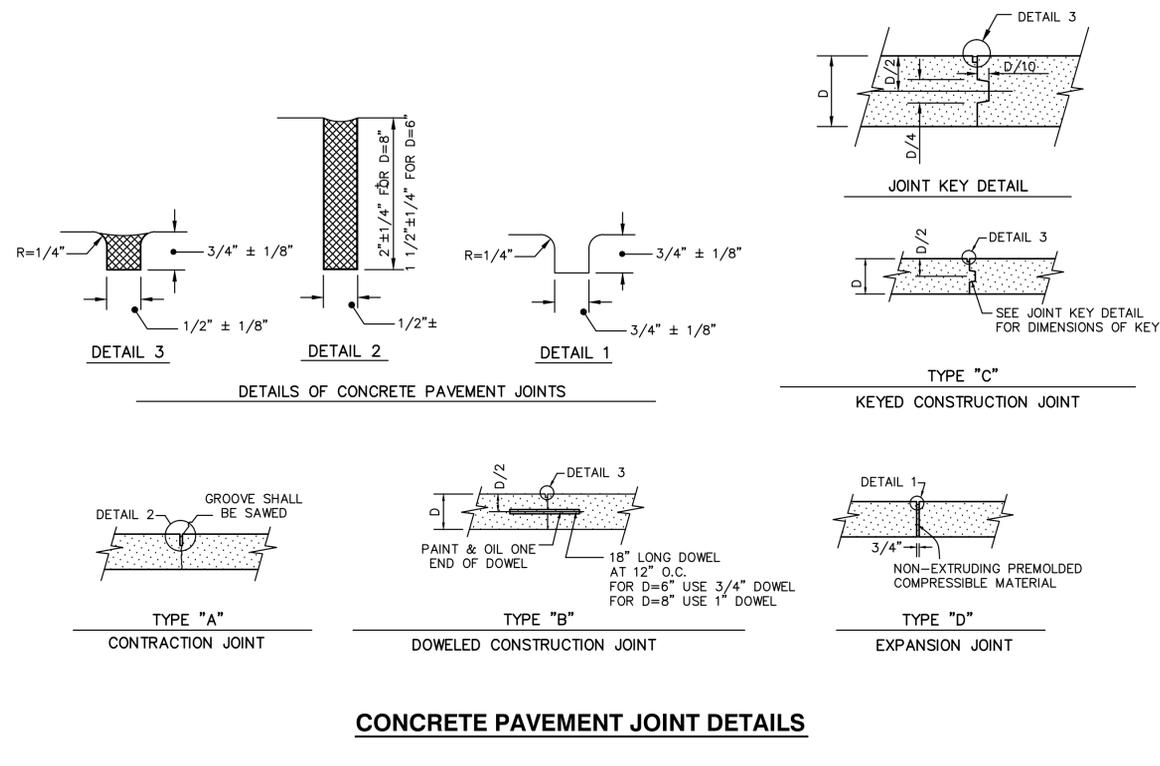
PAVEMENT SLOPE  
TRANSVERSE MINIMUM SLOPE 1.0%  
LONGITUNINAL MINIMUM SLOPE 0.40%

PAVEMENT DESIGN:

RIGID CONCRETE PAVEMENT  
12" STABILIZED SUBGRADE (LBR 40 MIN.)  
6" CONCRETE PAVEMENT (3,000 PSI IN 28 DAYS)  
(FIBER REINFORCED)

**CONCRETE PAVING AND GRADING NOTES**

1. CONCRETE FOR PAVEMENT SHALL BE FIBER REINFORCED AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI IN 28 DAYS.
2. THE SUBGRADE MATERIAL UNDER ALL PAVEMENT SHALL HAVE A MINIMUM LIMEROCK BEARING RATIO OF 40. SUBGRADE SHALL BE COMPACTED TO A MINIMUM DENSITY OF 98% AS DETERMINED BY AASHTO T-180.
3. THE TESTING OF SUBGRADE AND EMBANKMENT SHALL BE DONE PRIOR TO REQUESTING ANY INSPECTION BY THE CITY.
4. CONTRACTOR SHALL FILL AND GRADE SITE TO ACCOMMODATE FINISH GRADE ELEVATIONS SHOWN ON GRADING AND DRAINAGE PLAN AND IN ACCORDANCE WITH TYPICAL SECTION AS SHOWN.
5. ALL PUBLIC RIGHTS-OF-WAY, BUILDING PADS, ON-SITE PAVEMENT AREAS, DRAINAGE EASEMENTS AND UTILITY TRENCHES SHALL BE COMPLETELY DEMUCKED; DENSITY TESTS WILL BE REQUIRED OVER BACKFILLED TRENCHES AND ON ALL ROADWAYS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYMENT FOR ALL TESTING.
6. GRADES SHOWN ARE FINISHED GRADES.
7. UTILITIES OTHER THAN WATER AND SEWER ARE TO BE ADJUSTED BY OTHERS UNLESS INCLUDED IN THE CONSTRUCTION OR OTHERWISE NOTED.
8. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE BROWARD COUNTY ENGINEERING "MINIMUM STANDARDS" AND THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION, EXCEPT AS NOTED.

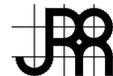


**CONCRETE PAVEMENT JOINT DETAILS**

**SITE AREA BREAKDOWN TABLE**

SITE AREA BREAKDOWN TABLE	EXISTING CONDITONS AREA (SF)	PROPOSED CONDITONS AREA (SF)
BUILDING FOOTPRINT	114,045	122,641
PAVEMENT & SIDEWALK	338,150	330,935
LANDSCAPE/ GREEN AREA	182,984	181,603
LAKE AREA	135,563	135,563
<b>TOTAL</b>	<b>770,742</b>	<b>770,742</b>

DESIGNED BY	IK	11/16				
DRAWN BY	IK	11/16				
CHECKED BY	JWR	11/16				
APPROVED BY	JWR	11/16	REVISED FOR DRC COMMENTS	1	2/3/17	IK
NAME	DATE		REVISIONS	NO.	DATE	BY

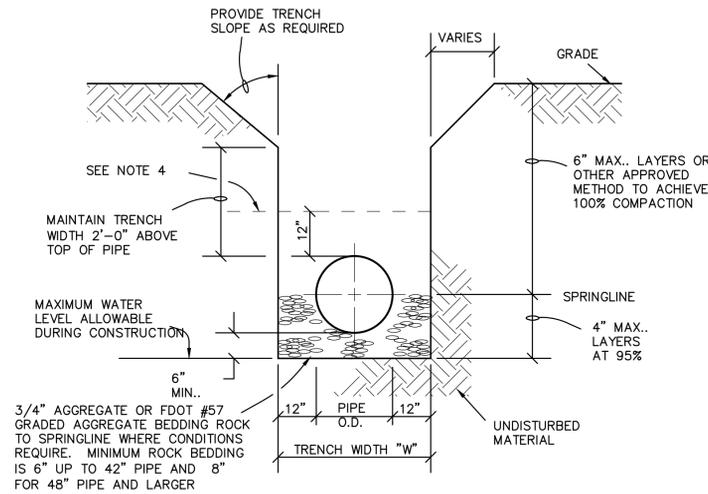


**JOSEPH ROLES AND ASSOC., INC.**  
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PLANTATION, FLORIDA 33317  
PHONE (954) 581-1945  
CERTIFICATE OF AUTHORIZATION NO. 3948

**GUNTHER VOLVO DEALERSHIP**  
CITY OF COCONUT CREEK, FLORIDA  
**TYPICAL SECTIONS / PAVING DETAILS**

JOSEPH W. ROLES, JR., P.E.  
REG. ENGINEER NO. 16865

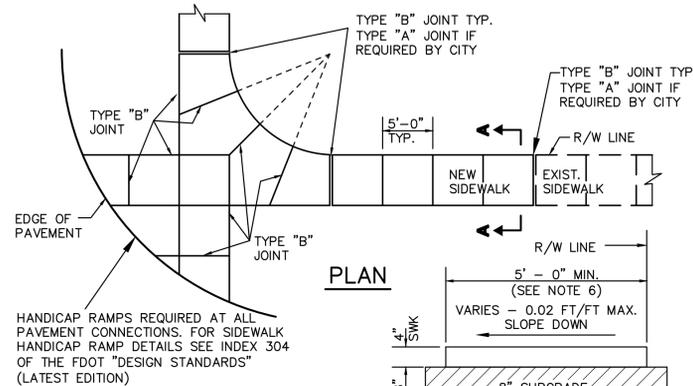
DATE:	11/16
SCALE:	AS SHOWN
PROJECT NO.	112-511-04
<b>SHEET NO. C-03 OF 10</b>	



**TRENCH DETAIL**

**TRENCH CONSTRUCTION NOTES**

- WHERE SOIL CONDITIONS CANNOT BE MAINTAINED AS SHOWN ABOVE THE CONTRACTOR SHALL PROVIDE HIS ALTERNATE PLAN FOR TRENCH CONSTRUCTION TO THE ENGINEER OF RECORD AND THE CITY FOR APPROVAL.
- SHEETING REQUIREMENTS WILL BE DETERMINED IN THE FIELD. SEE PROJECT SPECIFICATIONS.
- COMPACTION PERCENTAGES REFER TO AASHTO T-99 STANDARD PROCTOR.
- MECHANICAL COMPACTION NOT ALLOWED BELOW 12" ABOVE THE PIPE.
- PVC AND HDPE PIPE TO HAVE ROCK BACKFILL TO PIPE SPRINGLINE AND SAND OR AGGREGATE BEDDING AND/OR ENVELOPE AS REQUIRED IN AREAS WHERE TRENCH BACKFILL IS NOT SUITABLE DUE TO ROCK. ENVELOPE TO BE MIN. 12 INCHES AROUND THE PIPE.
- MAINTAIN TRENCH WALL PER OSHA REQUIREMENTS AND STATE OF FLORIDA TRENCH SAFETY ACT.

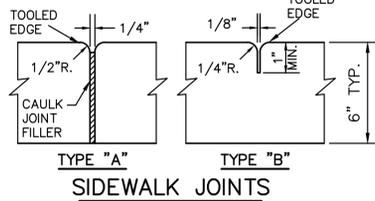


- NOTES:**
- FOR NEW SIDEWALK LOCATIONS 8" THICK SUBGRADE BELOW SIDEWALK SHALL BE A MIN. L.B.R.-40 COMPACTED TO 98% OF MAX. DENSITY PER A.A.S.H.T.O. T-180.
  - CONCRETE TO BE 3,000 P.S.I. @ 28 DAYS
  - ALL JOINTS AND EDGES OF NEW SIDEWALK SHALL BE TOOLED. NO SAWCUT JOINTS ARE PERMITTED IN NEW SIDEWALK.
  - THE USE OF WIRE MESH REINFORCEMENT IN SIDEWALK WILL NOT BE PERMITTED
  - SIDEWALK SLOPES SHALL MEET THE REQUIREMENTS OF THE "AMERICAN WITH DISABILITIES ACT". CROSS SLOPES SHALL NOT EXCEED 0.02 /FT (2.0%).
  - ALL SIDEWALKS SHALL BE 4" THICK EXCEPT AT DRIVEWAY CROSSINGS AND OTHER VEHICULAR CROSSING AREA WHERE THE SIDEWALK SHALL BE A MINIMUM OF 6" THICK.
  - MINIMUM WIDTH OF SIDEWALK PLACED AT BACK OF CURB IS 6'-0".
  - FOR TYPE "A" EXPANSION JOINTS PRE-MOLDED EXPANSION MATERIAL IS LIMITED TO APPROVED AREAS ONLY.
  - SIDEWALKS SHALL HAVE A LIGHT BROOM FINISH.

**RIGHT-OF-WAY SIDEWALK DETAIL**

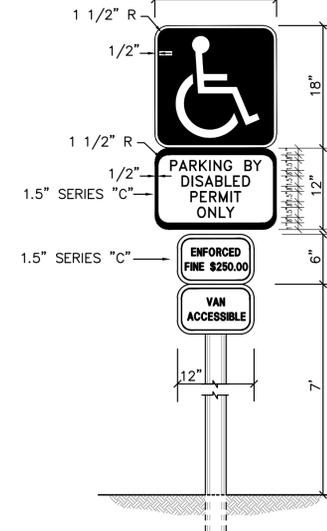
N.T.S.

**SECTION A-A**



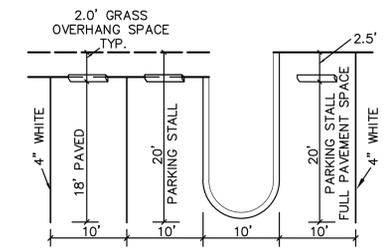
TYPE	LOCATION
"A"	ONLY WHERE DIRECTED BY THE CITY
"B"	5'-0" MINIMUM CENTER TO CENTER ON SIDEWALK

- NOTES:**
- HANDICAP, FTP - 26 PER FDOT INDEX No. 17355 shall have a reflective blue background with white reflective symbol and border.
  - PARKING DISABLED PERMIT ONLY shall have a reflective white background with black opaque legend and border.
  - ENFORCED FINE \$250.00 FTP - 55 PER FDOT INDEX No. 17355



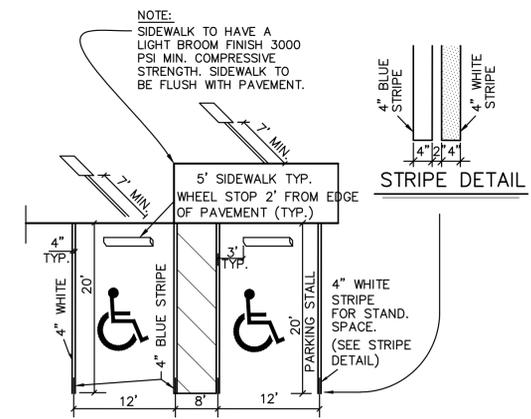
**HANDICAP PARKING/VIOLATION SIGN DETAIL**

F.D.O.T. INDEX NO. 17355 (4.6.4.)  
N.T.S.



**NEW PARKING DETAIL**

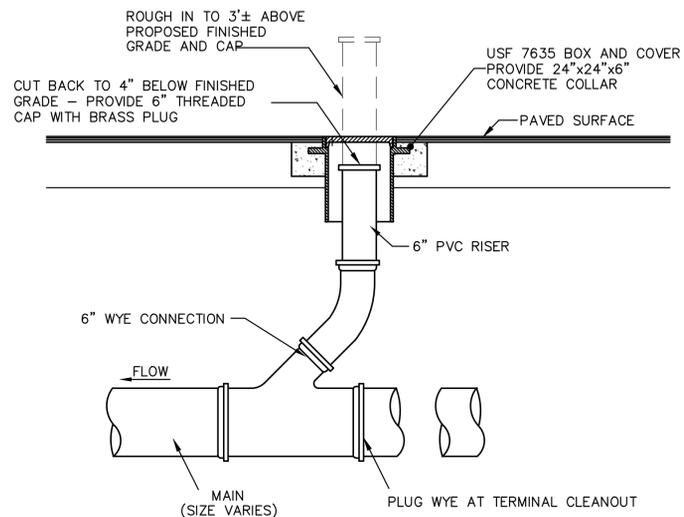
N.T.S.



**HANDICAP PARKING DETAIL**

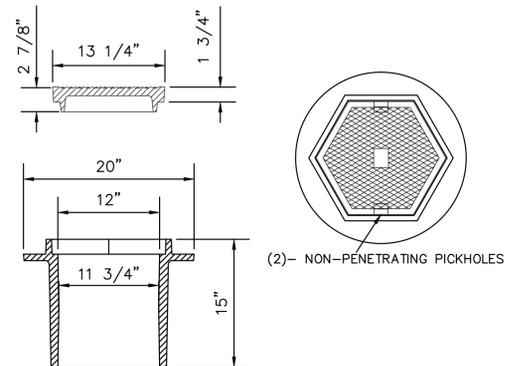
N.T.S.

**NOTE:**  
ALL ACCESSIBLE PARKING SPACES AND SIDEWALKS SHALL CONFORM TO ADA STANDARDS



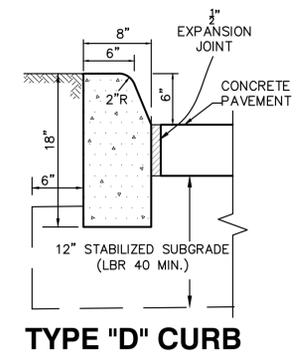
**TYPICAL SEWER OR DRAINAGE CLEANOUT**

SCALE: NONE



**SEWER CLEANOUT BOX  
USF 7635 RING & FJ COVER**

N.T.S.



**TYPE \"D\" CURB**

N.T.S.

**CURB NOTES:**

- WHEN USED ON THE HIGH SIDE OF ROADWAYS, THE CROSS SLOPE OF TYPE "F" GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT.
- PROVIDE 1/4" WIDE CONTRACTION JOINT A MINIMUM OF 1-1/2" DEEP AND AT 10' SPACING MAXIMUM FOR ALL CURBS.
- CONCRETE SHALL BE 3000 P.S.I. MIN. @ 28 DAYS.
- COST OF CURB PAD TO BE INCLUDED IN COST OF CURB.
- COMPACT CURB PAD TO A DENSITY OF 98% OF AASHTO T-180 SPECIFICATION.
- TYPE "D" CURB FOR PARKING LOTS MAY BE INSTALLED AS "TRENCHED" D CURB WITH EXTRUDED TOP AT THE CONTRACTOR'S OPTION. TRENCHED CURB REQUIRES CITY TRENCH INSPECTION AND APPROVAL. EXTRUDED CURB MUST BE PLACED WITHIN 15 MINUTES OF PLACEMENT OF TRENCH CONCRETE. EXTRUDED CURB AND TRENCH CONCRETE SHALL BE MONOLITHIC.

DESIGNED BY	IK	11/16				
DRAWN BY	IK	11/16				
CHECKED BY	JWR	11/16				
APPROVED BY	JWR	11/16	REVISED FOR DRC COMMENTS	1	2/3/17	IK
NAME	DATE		REVISIONS	NO.	DATE	BY



**JOSEPH ROLES AND ASSOC., INC.**  
CONSULTING ENGINEERS  
7501 N.W. 4th STREET, SUITE 101  
PLANTATION, FLORIDA 33317  
PHONE (954) 581-1945  
CERTIFICATE OF AUTHORIZATION NO. 3948

**GUNTHER VOLVO DEALERSHIP**  
CITY OF COCONUT CREEK, FLORIDA  
**MISCELLANEOUS DETAILS**

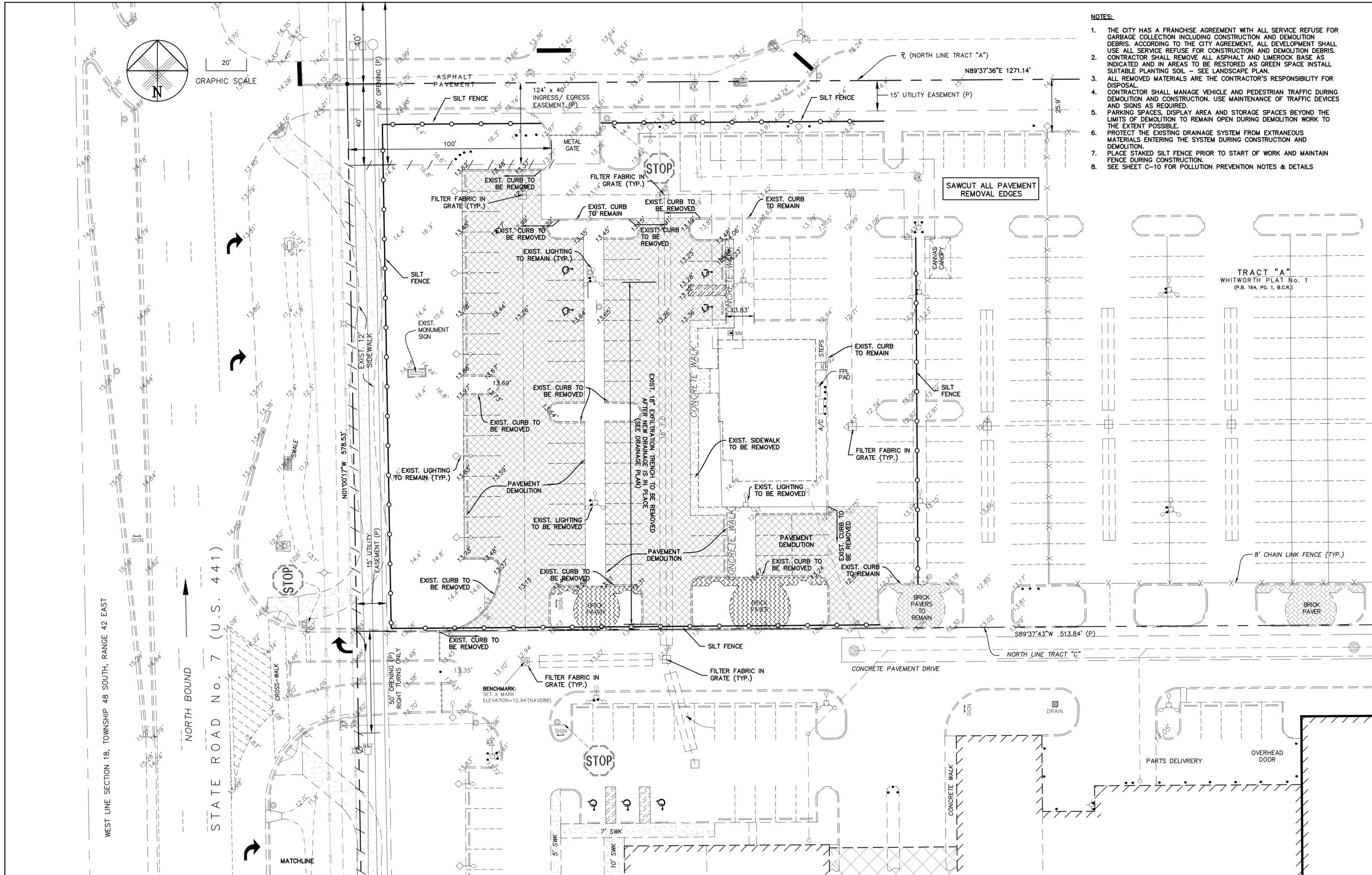
JOSEPH W. ROLES, JR. P.E.  
REG. ENGINEER NO. 16865

DATE:	11/16
SCALE:	AS SHOWN
PROJECT NO.	112-511-04
<b>SHEET NO. C-04 OF 10</b>	



GRAPHIC SCALE  
20'

- NOTES:**
1. THE CITY HAS A FRANCHISE AGREEMENT WITH ALL SERVICE REFUSE FOR GARBAGE COLLECTION INCLUDING CONSTRUCTION AND DEMOLITION DEBRIS. ACCORDING TO THE CITY AGREEMENT, ALL DEVELOPMENT SHALL USE ALL SERVICE REFUSE FOR CONSTRUCTION AND DEMOLITION DEBRIS. CONTRACTOR SHALL REMOVE ALL ASPHALT AND LINEROCK BASE AS INDICATED AND IN AREAS TO BE RESTORED AS GREEN SPACE INSTALL SUITABLE PLANTING SOIL - SEE LANDSCAPE PLAN.
  2. ALL REMOVED MATERIALS ARE THE CONTRACTOR'S RESPONSIBILITY FOR DISPOSAL.
  3. CONTRACTOR SHALL MANAGE VEHICLE AND PEDESTRIAN TRAFFIC DURING DEMOLITION AND CONSTRUCTION. USE MAINTENANCE OF TRAFFIC DEVICES AND SIGNS AS REQUIRED.
  4. PARKING SPACES, DISPLAY AREA AND STORAGE SPACES BEYOND THE LIMITS OF DEMOLITION TO REMAIN OPEN DURING DEMOLITION WORK TO THE EXTENT POSSIBLE.
  5. PROTECT THE EXISTING DRAINAGE SYSTEM FROM EXTRANEOUS MATERIALS ENTERING THE SYSTEM DURING CONSTRUCTION AND DEMOLITION.
  6. PLACE STAKED SILT FENCE PRIOR TO START OF WORK AND MAINTAIN FENCE DURING CONSTRUCTION.
  7. SEE SHEET C-10 FOR POLLUTION PREVENTION NOTES & DETAILS



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CHECKED BY	JWR	11/16			
APPROVED BY	JWR	11/16	REVISED FOR DRC COMMENTS	1	2/3/17 IK
NAME		DATE	REVISIONS	NO.	DATE BY

**JRR**

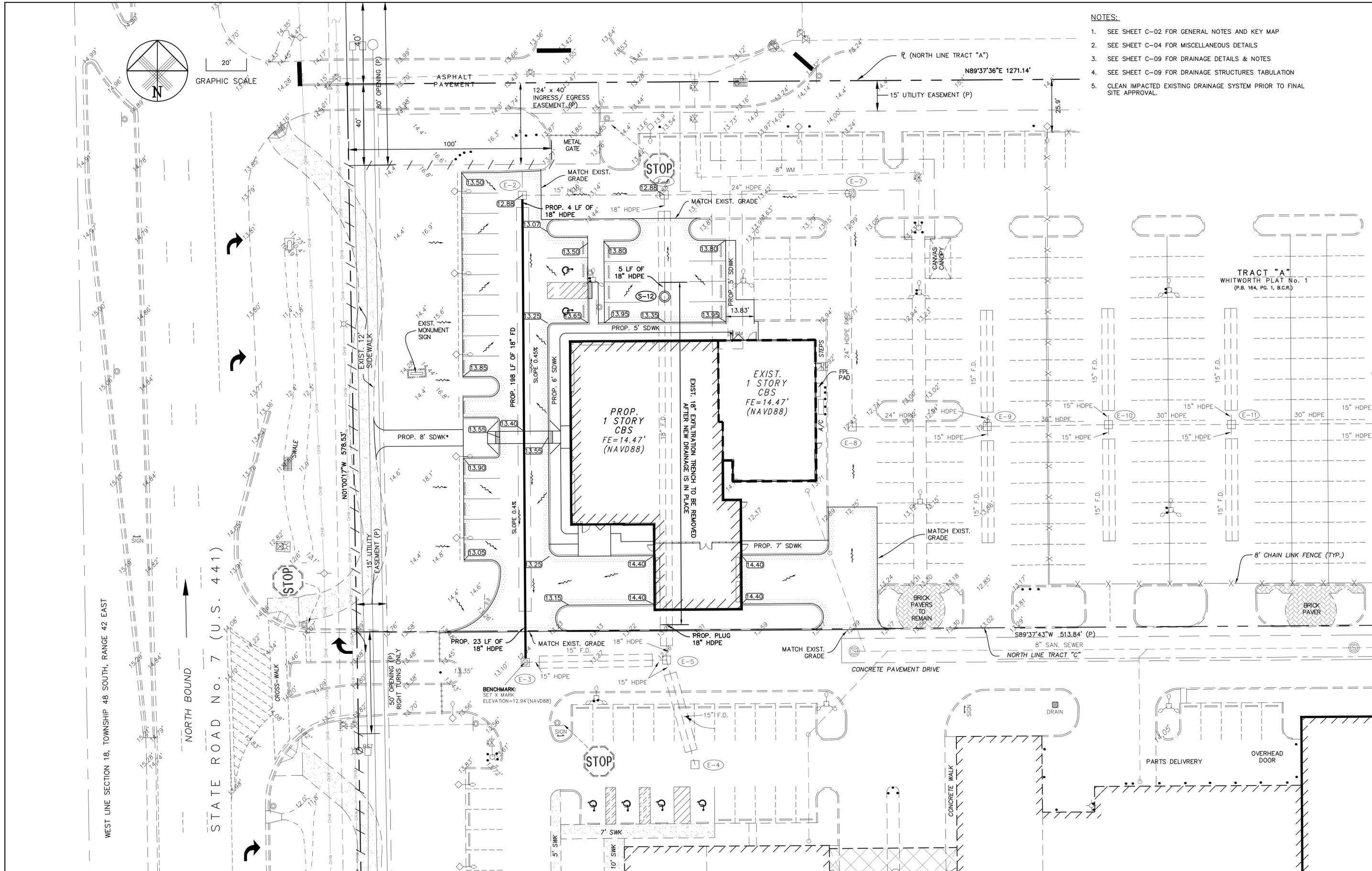
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CERTIFICATE OF AUTHORIZATION NO. 3948

**GUNTHER VOLVO DEALERSHIP**  
CITY OF COCONUT CREEK, FLORIDA  
**DEMOLITION / POLLUTION PREVENTION PLAN**

DATE:	11/16
SCALE:	AS SHOWN
PROJECT NO.:	112-511-04
SHEET NO.:	<b>C-05</b> OF 10

JOSEPH W. ROLES, JR. P.E.  
REG. ENGINEER NO. 16865

- NOTES:**
1. SEE SHEET C-02 FOR GENERAL NOTES AND KEY MAP
  2. SEE SHEET C-04 FOR MISCELLANEOUS DETAILS
  3. SEE SHEET C-09 FOR DRAINAGE DETAILS & NOTES
  4. SEE SHEET C-09 FOR DRAINAGE STRUCTURES TABULATION
  5. CLEAN IMPACTED EXISTING DRAINAGE SYSTEM PRIOR TO FINAL SITE APPROVAL.



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CHECKED BY	JWR	11/16
APPROVED BY	JWR	11/16
NAME		DATE

REVISIONS		
NO.	DATE	BY
1	2/3/17	IK

**JRR**

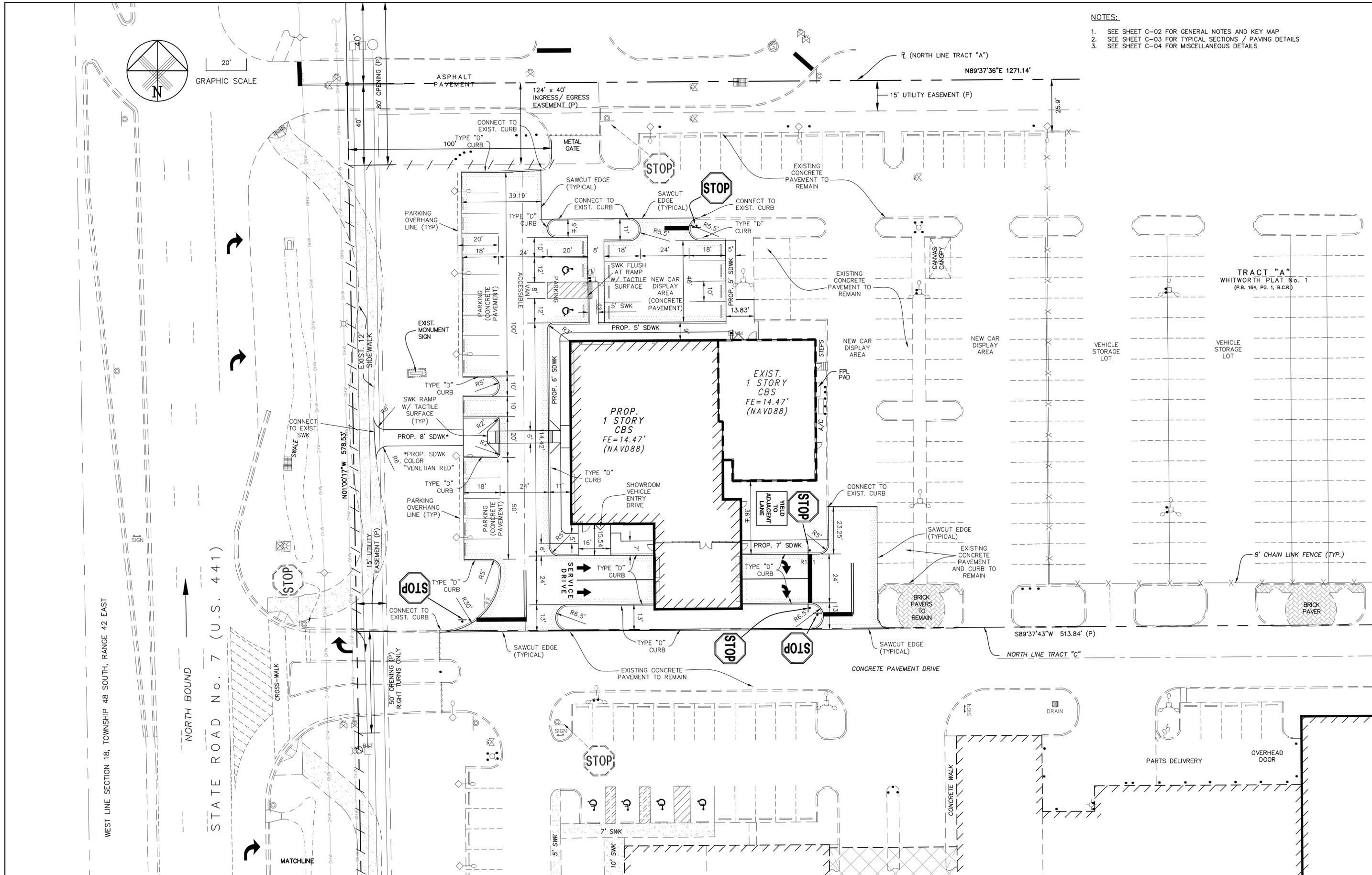
**JOSEPH ROLES AND ASSOC., INC.**  
**CONSULTING ENGINEERS**  
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 PLANTATION, FLORIDA 33317  
 PHONE (954) 581-1945  
 CERTIFICATE OF AUTHORIZATION NO. 3948

**GUNTHER VOLVO DEALERSHIP**  
 CITY OF COCONUT CREEK, FLORIDA  
**GRADING AND DRAINAGE PLAN**

DATE:	11/16
SCALE:	AS SHOWN
PROJECT NO.	112-511-04
SHEET NO.	<b>C-06</b> OF 10

JOSEPH W. ROLES, JR. P.E.  
REG. ENGINEER NO. 16865

- NOTES:**
1. SEE SHEET C-02 FOR GENERAL NOTES AND KEY MAP
  2. SEE SHEET C-03 FOR TYPICAL SECTIONS / PAVING DETAILS
  3. SEE SHEET C-04 FOR MISCELLANEOUS DETAILS



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CHECKED BY	JWR	11/16
APPROVED BY	JWR	11/16
NAME		DATE

REVISIONS	NO.	DATE	BY
REVISED FOR DRC COMMENTS	1	2/3/17	IK

**JRR**

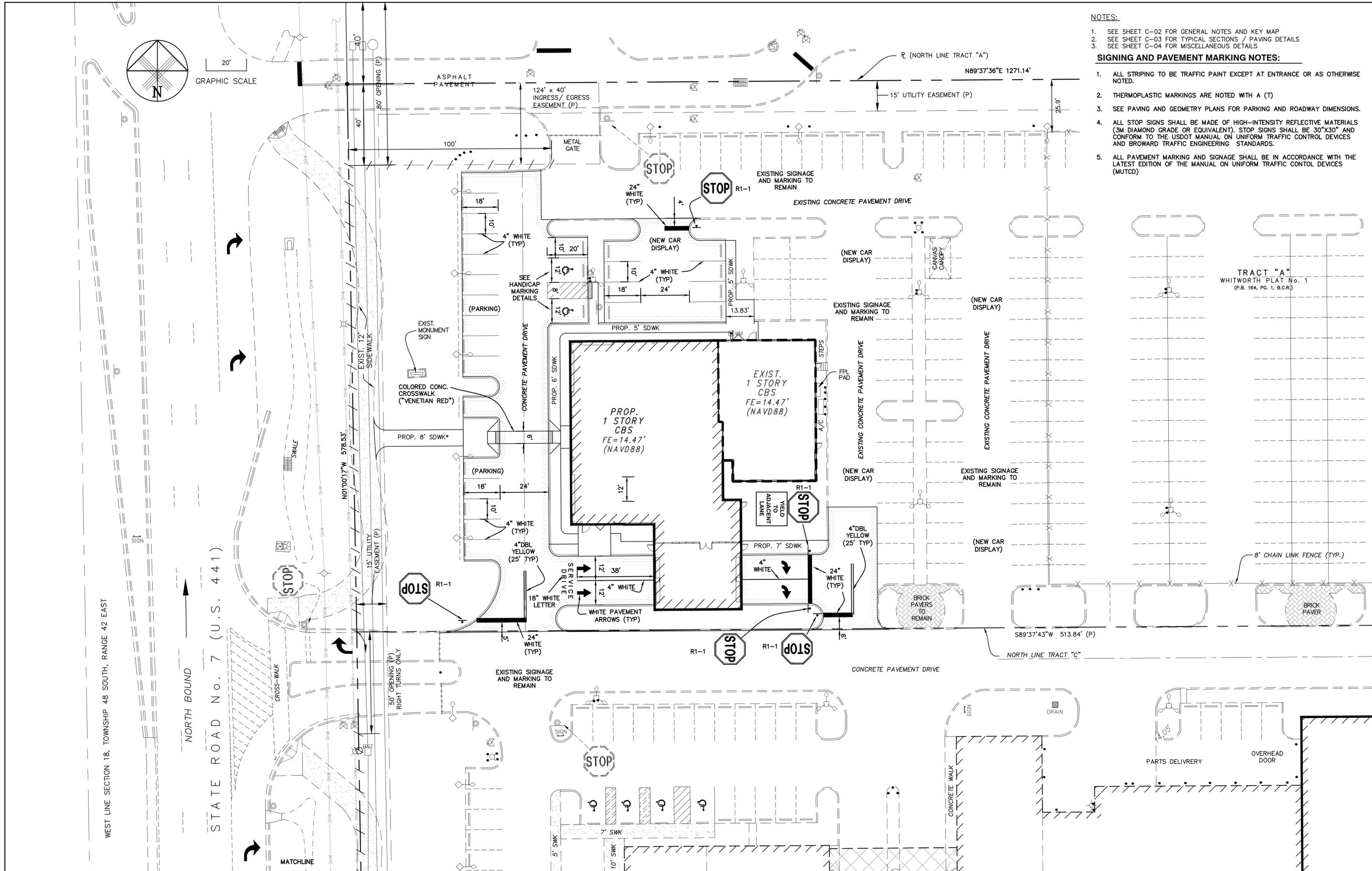
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 PHONE (954) 581-1945  
 CERTIFICATE OF AUTHORIZATION NO. 3948

**GUNTHER VOLVO DEALERSHIP**  
 CITY OF COCONUT CREEK, FLORIDA  
**PAVING AND GEOMETRY PLAN**

DATE:	11/16
SCALE:	AS SHOWN
PROJECT NO.	112-511-04
SHEET NO.	<b>C-07</b> OF 10

JOSEPH W. ROLES, JR. P.E.  
REG. ENGINEER NO. 16865

- NOTES:**
- SEE SHEET C-02 FOR GENERAL NOTES AND KEY MAP
  - SEE SHEET C-03 FOR TYPICAL SECTIONS / PAVING DETAILS
  - SEE SHEET C-04 FOR MISCELLANEOUS DETAILS
- SIGNING AND PAVEMENT MARKING NOTES:**
- ALL STRIPING TO BE TRAFFIC PAINT EXCEPT AT ENTRANCE OR AS OTHERWISE NOTED.
  - THERMOPLASTIC MARKINGS ARE NOTED WITH A (T)
  - SEE PAVING AND GEOMETRY PLANS FOR PARKING AND ROADWAY DIMENSIONS.
  - ALL STOP SIGNS SHALL BE MADE OF HIGH-INTENSITY REFLECTIVE MATERIALS (3M DIAMOND GRADE OR EQUIVALENT). STOP SIGNS SHALL BE 30"X30" AND CONFORM TO THE USDOT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND BROWARD TRAFFIC ENGINEERING STANDARDS.
  - ALL PAVEMENT MARKING AND SIGNAGE SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)



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APPROVED BY	JWR	11/16
NAME		DATE

REVISIONS	NO.	DATE	BY
REVISED FOR DRC COMMENTS	1	2/3/17	IK

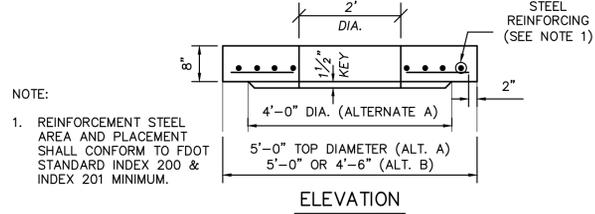
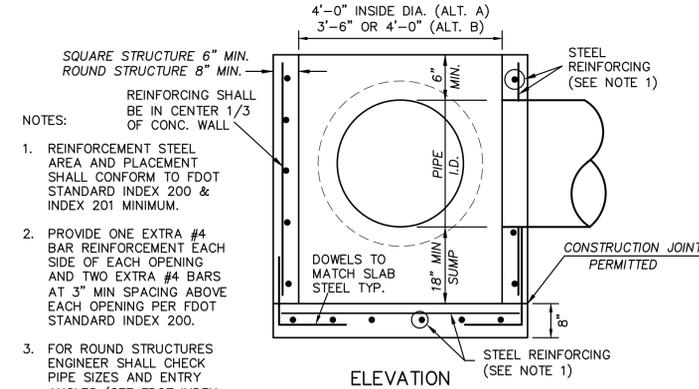
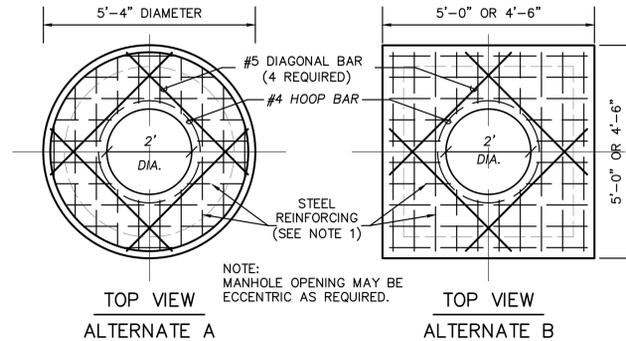
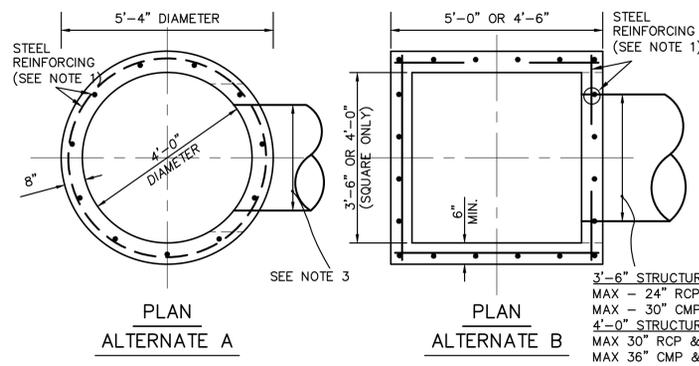
**JRR**

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**CONSULTING ENGINEERS**  
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 PLANTATION, FLORIDA 33317  
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**GUNTHER VOLVO DEALERSHIP**  
 CITY OF COCONUT CREEK, FLORIDA  
**SIGNING AND MARKING PLAN**

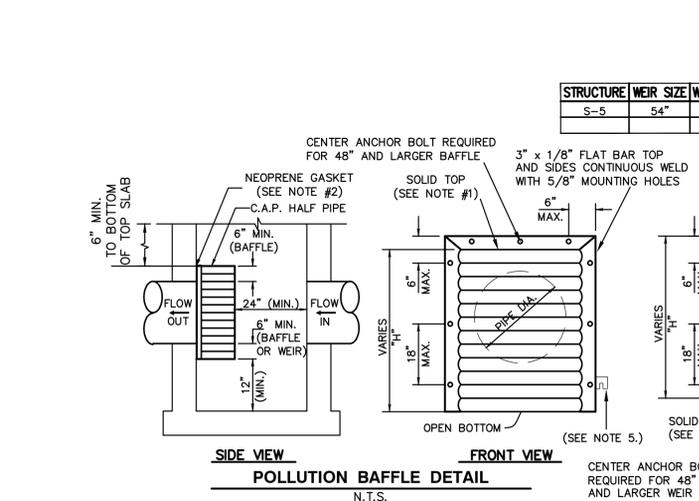
DATE:	11/16
SCALE:	AS SHOWN
PROJECT NO.	112-511-04
SHEET NO.	<b>C-08</b> OF 10

JOSEPH W. ROLES, JR. P.E.  
REG. ENGINEER NO. 16865



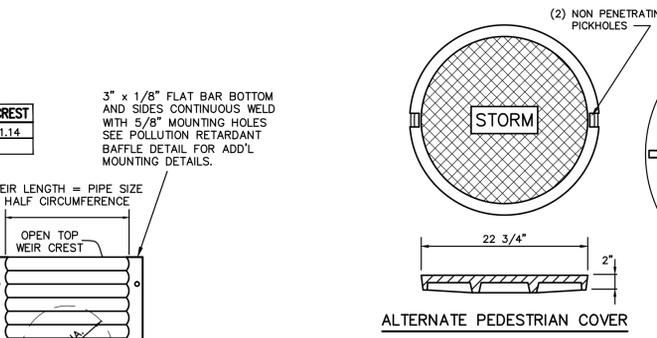
**TYPE "P" - MANHOLE TOP SLAB**  
MANHOLE RING AND COVER - U.S. FOUNDRY SERIES 420-C OR APPROVED EQUAL  
NOT TO SCALE

**TYPE "P" - MANHOLE & INLET STRUCTURE BOTTOM**  
NOT TO SCALE



**NOTES:**

- ALUMINUM SHEET OF SAME THICKNESS (GAUGE) AS PIPE SHALL BE WELDED TO CLOSE OPENING AT THE TOP FOR Baffle OR BOTTOM FOR WEIR.
- NEOPRENE ADHESIVE BACKED GASKET, OR APPROVED EQUAL (1" x 2") SHALL BE INSTALLED ON THE SIDES AND TOP OF ALL Baffles AND BOTTOM OF ALL WEIRS.
- POLLUTION RETARDANT Baffle AND WEIR TO BE FASTENED IN PLACE WITH 1/2" x 4" STAINLESS STEEL "RED HEAD" ANCHORS, OR APPROVED EQUAL. ALL MOUNTING HARDWARE TO BE STAINLESS STEEL.
- FIBERGLASS Baffles ARE NOT PERMITTED.
- BRACKETS MAY BE ADDED TO FLAT BARS TO EASE INSTALLATION IN ROUND STRUCTURES. SPACING TO MATCH HOLES IN FLAT BARS.
- PIPE CORRUGATION SHALL BE ANNULAR.

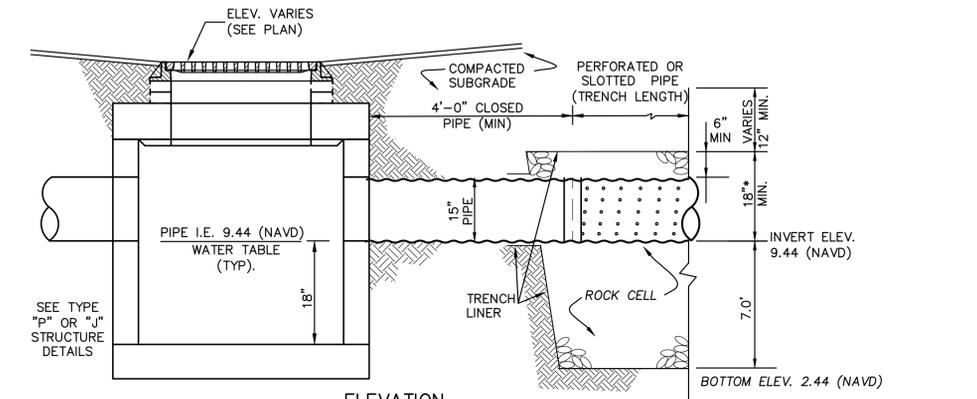


**DRAINAGE STRUCTURE TABULATION**

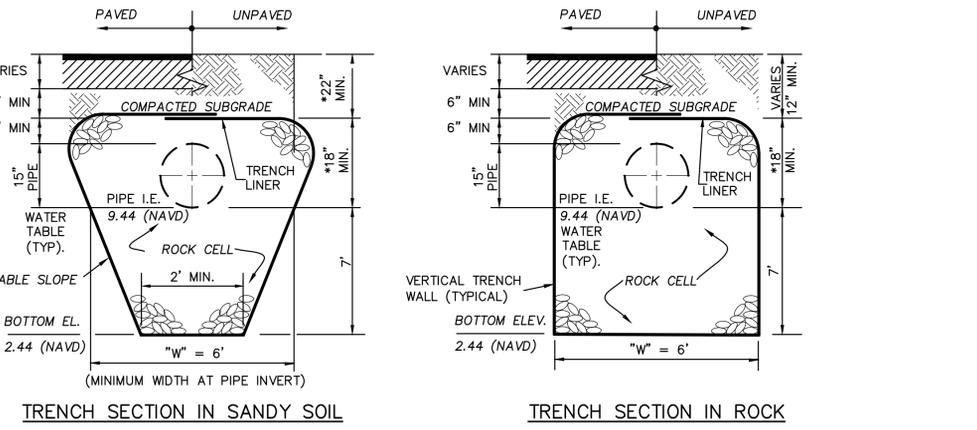
- (E-2) EXIST. INLET (TO REMAIN) GRATE ELEV. 12.88  
EXIST 15" HDPE I.E. (E) 9.22  
CONNECT 18" HDPE I.E. (S) 9.44
- (E-3) EXIST. INLET (TO REMAIN) GRATE ELEV. 12.86  
EXIST 15" FD I.E. (E) 9.46  
CONNECT 18" HDPE I.E. (N) 9.44
- (E-4) EXIST. INLET (TO REMAIN) GRATE ELEV. 13.18  
EXIST 15" FD I.E. (N) 9.44
- (E-5) EXIST. INLET (TO REMAIN) GRATE ELEV. 12.96  
EXIST 18" FD I.E. (N) 9.44  
EXIST 15" FD I.E. (S) 9.44  
EXIST 15" FD I.E. (W) 9.44  
(TERMINATE 18" FD (N) 15" NORTH OF STRUCTURE AND PLUG PIPE AND PROVIDE END FOR CLOSURE FOR EXFILTRATION TRENCH - REMAINING TRENCH NORTH TO BE REMOVED)
- (E-6) EXIST. INLET (TO REMAIN) GRATE ELEV. 12.88  
EXIST 18" FD I.E. (S) 9.46  
EXIST 24" HDPE I.E. (E) 8.44  
EXIST 15" HDPE I.E. (W) 9.20
- (E-7) EXIST. MANHOLE (TO REMAIN) GRATE ELEV. 13.03  
EXIST 24" HDPE I.E. (S) 8.02  
EXIST 24" HDPE I.E. (W) 8.46
- (E-8) EXIST. INLET (TO REMAIN) GRATE ELEV. 12.43  
EXIST 24" HDPE I.E. (N) 7.98  
EXIST 24" HDPE I.E. (E) 7.96
- (E-12) CONST. MANHOLE TYPE P-7 GRATE ELEV. 12.75  
18" HDPE I.E. (N) 9.44 (5 L.F.)  
(CONNECT NEW PIPE TO EXIST 18" F.D. PIPE AND PROVIDE END CLOSURE FOR EXFILTRATION TRENCH)

**GENERAL DRAINAGE NOTES:**

- WALL OF CIRCULAR STRUCTURES [ALTERNATE "A"] OR RECTANGULAR STRUCTURES [ALTERNATE "B"] SHALL BE CONSTRUCTED OF CONCRETE ONLY. THE CONCRETE MAY BE CAST-IN-PLACE OR PRECAST AS APPROVED BY THE ENGINEER.
- WALL REINFORCEMENT AND THICKNESS ARE FOR EITHER CAST-IN-PLACE OR PRECAST CONCRETE UNITS EXCEPT THAT THE MANUFACTURER MAY FURNISH PRECAST CIRCULAR UNITS IN ACCORDANCE WITH A.S.T.M. SPECIFICATION C-478 UP TO 96" IN DIA. OR PRECAST CIRCULAR UNITS A.S.T.M. SPECIFICATION C-76, TABLE III, FOR "B" WALL CONCRETE PIPE WITH 6" MINIMUM WALL THICKNESS. TOP AND FLOOR SLAB THICKNESS AND REINFORCEMENT ARE FOR ALL TYPES OF CONSTRUCTION.
- ELLIPTICAL STEEL, A.S.T.M. SPECIFICATION C-76 TABLE III, "B" WALL, IS MODIFIED TO USE A CIRCULAR GAGE OF STEEL AREA EQUAL TO THAT OF THE ELLIPTICAL GAGE AND PLACED IN THE CENTER ONE-THIRD OF THE WALL. THIS MODIFICATION IS FOR PRECAST CIRCULAR UNITS PRODUCED IN ACCORDANCE WITH A.S.T.M. C-76.
- RECTANGULAR STRUCTURES MAY BE ROTATED AS DIRECTED BY THE ENGINEER IN ORDER TO FACILITATE CONNECTIONS BETWEEN THE STRUCTURE WALLS AND THE STORM SEWER PIPES.
- EMBEDMENT HOOKS IN THE TOP AND BOTTOM SLABS MAY BE REPLACED WITH STRAIGHT EMBEDMENTS.
- CORNER FILLETS FOR RECTANGULAR STRUCTURES ARE NECESSARY ONLY WHEN STRUCTURES ARE USED IN CONJUNCTION WITH CIRCULAR INLET THROATS [TYPES 1, 2, 3 AND 4] OR WHEN USED ON SKEW WITH RECTANGULAR INLET THROATS [TYPE 5 AND 6].
- INLET THROATS, RISERS OR MANHOLE TOPS SHALL BE SECURED TO STRUCTURES WITH A MINIMUM OF 6 - NO. 4 BARS 12" LONG OR KEYS.
- LARGER THAN SPECIFIED STANDARD UNITS MAY BE SUBSTITUTED AT THE CONTRACTOR'S OPTION WHEN THESE UNITS WILL NOT CAUSE OR INCREASE THE SEVERITY OF UTILITY CONFLICTS. SUCH LARGER UNITS SHALL BE FURNISHED AT NO ADDITIONAL COST TO THE OWNER. LARGER ALTERNATE "A" UNITS CANNOT REPLACE ALTERNATE "B" UNITS WITHOUT APPROVAL OF THE ENGINEER AND B.C.E.D. FOR COUNTY RIGHT-OF-WAY.
- GRATE AND FRAME FOR MANHOLES AND CATCH BASINS SHALL BE TRAFFIC BEARING DESIGN, WITH A MINIMUM COMBINED WEIGHT OF 410 POUNDS. MINIMUM LID WEIGHT OF 165 POUNDS.



- NOTES**
- EXFILTRATION PIPE SHALL BE A-2000 PVC CORRUGATED PIPE, HDPE CORRUGATED PIPE, ALUMINUM CORRUGATED METAL PIPE OR SLOTTED REINFORCED CONCRETE PIPE, OR OTHER MATERIALS AS SPECIFIED AND APPROVED BY THE ENGINEER AND THE JURISDICTION APPROVING THE SYSTEM. ALL PIPE MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS. PROVIDE GASKETS FOR RCP & PVC PIPE, GASKETS ARE OPTIONAL FOR CMP & HDPE PIPE WITHIN THE ROCK CELL. ALL EXFILTRATION SYSTEM PIPE SHALL BE LAID WITH 0.0% SLOPE.
  - ROCK FOR THE EXFILTRATION TRENCH SHALL CONSIST OF FDOT #4 AGGREGATE AND SHALL BE FROM FRESH WATER WASHED FREE OF DELETERIOUS MATTER. #57 STONE AGGREGATE IS NOT TO BE USED IN TRENCH. TRENCH LENGTH IS MEASURED BY THE LENGTH OF PERFORATED PIPE ONLY.
  - SIDES AND TOP OF TRENCH SHALL BE LINED WITH ONE LAYER OF WOVEN OR NON-WOVEN PLASTIC TYPE FILTER CLOTH. OVERLAP TRENCH LINING MATERIAL A MINIMUM OF TWO FEET AT TOP OF TRENCH AND WRAP PIPE AT TRENCH ENDS. CLOSE FABRIC ENDS AT PIPE WITH A STAINLESS STEEL STRAP AROUND PIPE. ALL MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.
  - IF REQUIRED BY THE CITY / COUNTY BIO-BARRIER SHALL BE INSTALLED ADJACENT TO EXFILTRATION TRENCH WHEN EXISTING OR PROPOSED TREES ARE LOCATED WITHIN 10 FEET OF THE CENTERLINE OF PIPE.



**EXFILTRATION TRENCH CONSTRUCTION DETAILS**

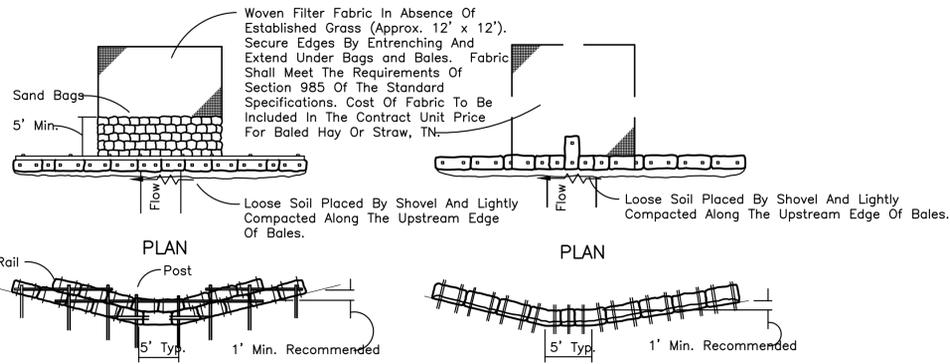
DESIGNED BY	IK	11/16				
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**GUNTHER VOLVO DEALERSHIP**  
CITY OF COCONUT CREEK, FLORIDA  
**DRAINAGE DETAILS & NOTES**

DATE:	11/16
SCALE:	AS SHOWN
PROJECT NO.	112-511-04
SHEET NO.	C-09 OF 10

JOSEPH W. ROLES, JR. P.E.  
REG. ENGINEER NO. 16865



Anchor Lower Bales With 2 - 2" x 2" x 4' Stakes Per Bale.  
Anchor Top Bales To Lower Bales With 2 - 2" x 2" x 4' Stakes Per Bale

**ELEVATION**

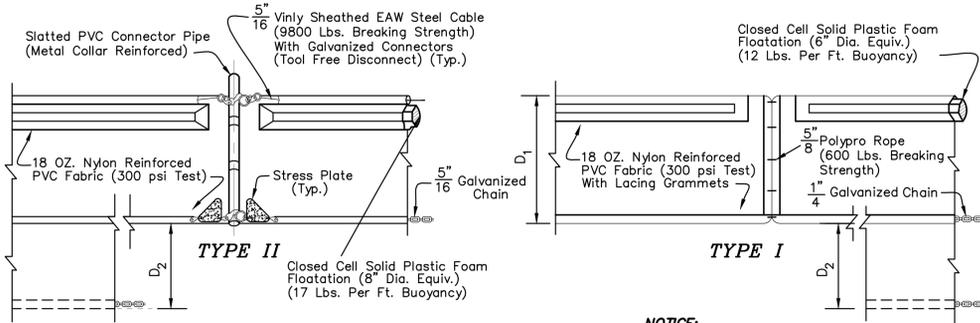
Application and Spacing: The use of Types I & II bale barriers should be limited to the conditions outlined in Chart I, Sheet 1 of 3, Index No. 102

**TYPE II BARRIER FOR UNPAVED DITCHES**

**ELEVATION**

Application and Spacing: The use of Types I & II bale barriers should be limited to the conditions outlined in Chart I, Sheet 1 of 3, Index No. 102

**TYPE I BARRIER FOR UNPAVED DITCHES**



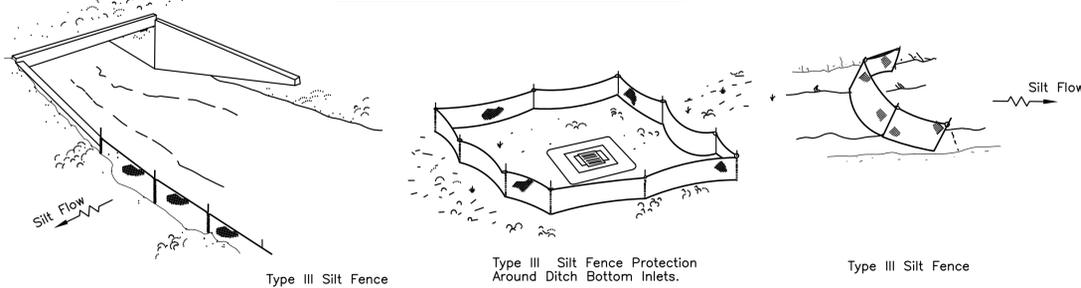
D<sub>1</sub> = 5' Std. (Single Panel For Depths 5' or Less).  
D<sub>2</sub> = 5' Std. (Additional Panel For Depths > 5').

Curtain To Reach Bottom Up To Depths Of 10 Feet.  
Two (2) Panels To Be Used For Depths Greater Than 10 Feet Unless Special Depth Curtains Specifically Called For In The Plans Or As Determined By The Engineer.

**NOTICE:**

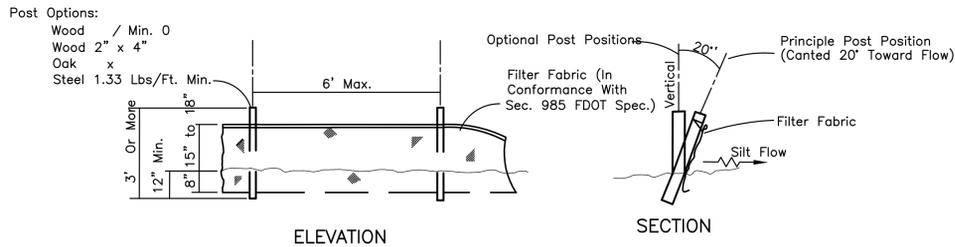
COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

**FLOATING TURBIDITY BARRIERS**



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**



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

**TYPE III SILT FENCE**

**I. GENERAL NOTES**

- (a) ALL EROSION CONTROL DEVICES SHALL BE IN PLACE PRIOR TO COMMENCEMENT OF WORK
- (b) INSTALL SILT FENCE WHERE REQUIRED BY THE APPROVED POLLUTION PREVENTION PLAN
- (c) PROVIDE HAY BALES FOR DITCH BLOCKS WHERE REQUIRED BY THE APPROVED POLLUTION PREVENTION PLAN
- (d) PROVIDE ROCK BAGS AT INLET OPENINGS WHERE REQUIRED BY THE APPROVED POLLUTION PREVENTION PLAN
- (e) ALL CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL ALL UPSTREAM AREAS ARE FULLY STABILIZED AND PERMANENT GRASSING IS IN PLACE.

**II. EROSION AND SEDIMENT CONTROLS**

**(1) TURBIDITY MONITORING PLAN**

THE PURPOSE OF THE TURBIDITY MONITORING PLAN IS TO ENSURE THAT STATE WATER QUALITY STANDARDS ARE ADHERED TO IN ADJACENT SURFACE WATER THROUGHOUT THE AREA OF CONSTRUCTION.

A WATER QUALITY MONITORING PROGRAM SHALL BE IMPLEMENTED AS OUTLINED BELOW:

TURBIDITY SHALL BE EXPRESSED IN NEPHELOMETRIC TURBIDITY UNITS (ntu). BACKGROUND SAMPLES SHALL BE TAKEN 200 FEET UPSTREAM OF ANY CONSTRUCTION ACTIVITY WITHIN ADJACENT SURFACE WATER. SAMPLES SHALL BE TAKEN 200 DOWNSTREAM. SAMPLES SHALL BE TAKEN TWICE DAILY, WITH AT LEAST A FOUR-HOUR INTERVAL, DURING ALL WORK AUTHORIZED BY THIS PERMIT.

MONITORING SHALL BEGIN ON THE FIRST DAY OF CONSTRUCTION FOR ALL ACTIVITIES WITHIN OR TO SURFACE WATERS. MONITORING SHALL CEASE WHEN ALL CONSTRUCTION MONITORING ACTIVITIES ARE COMPLETED. THE MONITORING DATA MUST DEMONSTRATE THAT TURBIDITY ADJACENT AND 200 FEET DOWNSTREAM OF ALL PROPOSED ACTIVITIES MEETS OFW STANDARDS FOR NATURAL BACKGROUND TURBIDITY AND 200 FEET UPSTREAM OF EACH PROPOSED ACTIVITY FOR A PERIOD OF 7 CONSECUTIVE DAYS AFTER COMPLETION OF CONSTRUCTION. IF MONITORING SHOWS SUCH LEVELS TO BE EXCEEDED, CONSTRUCTION SHALL CEASE AND DISTRICT COMPLIANCE STAFF SHALL BE NOTIFIED IMMEDIATELY. WORK SHALL NOT RESUME UNTIL DISTRICT STAFF IS SATISFIED THAT ADEQUATE CORRECTIVE MEASURES HAVE BEEN TAKEN AND TURBIDITY HAS RETURNED TO ACCEPTABLE LEVELS. ALL MONITORING DATA SHALL BE MAINTAINED ON SITE AND BE AVAILABLE TO DISTRICT STAFF DURING REGULAR BUSINESS HOURS.

THE CONTENT OF THE DATA SHALL INCLUDE: (1) PERMIT AND APPLICATION NUMBER; (2) DATES OF SAMPLING AND ANALYSIS; (3) STATEMENT DESCRIBING THE METHODS USED IN COLLECTION, HANDLING, STORAGE AND ANALYSIS OF THE SAMPLES; (4) A MAP INDICATING THE SAMPLING LOCATIONS AND (5) A STATEMENT BY THE INDIVIDUAL RESPONSIBLE FOR IMPLEMENTATION OF THE SAMPLING PROGRAM CONCERNING THE AUTHENTICITY, PRECISION, LIMITS OF DETECTION AND ACCURACY OF THE DATA. MONITORING REPORTS SHALL ALSO INCLUDE THE FOLLOWING INFORMATION FOR EACH SAMPLE THAT IS TAKEN:

- (a) TIME OF DAY SAMPLES TAKEN;
- (b) DEPTH OF WATER BODY;
- (c) DEPTH OF SAMPLES;
- (d) ANTECEDENT WEATHER CONDITIONS;
- (e) WIND DIRECTION AND VELOCITY.

**(2) STABILIZATION PRACTICES:**

STABILIZATION MEASURES, SUCH AS SODDING OR SEEDING OF SIDE SLOPES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE SHALL THE TIME BE GREATER THAN 30 DAYS AFTER THE CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES.

**(3) STRUCTURAL PRACTICES INCLUDE:**

- (a) SILT FENCES
- (b) HAY BALES
- (c) ROCK BAGS
- (d) SOIL TRACKING PREVENTION DEVICES AT CONSTRUCTION ENTRANCES/EXITS
- (e) FLOATING TURBIDITY BARRIER

**(4) SILT FENCE LOCATIONS:**

- (a) SILT FENCE SHALL BE USED ALONG THE LENGTH OF THE PROJECT WHERE THE EXISTING GROUND SLOPES AWAY FROM THE RIGHT-OF-WAY OR WHERE THERE IS POTENTIAL FOR SEDIMENT TO BE DIRECTED OFF-SITE.
- (b) STOCKPILE AREAS SHALL INCLUDE SILT FENCE AROUND THE PERIMETER.

**(5) HAY BALE LOCATIONS:**

GENERALLY, HAY BALES SHALL BE INSTALLED AT EXISTIN INLET LOCATIONS AND AS DITCH BLOCKS TO AVOID DOWNSTREAM SILTATION. DITCH BLOCKS SHOULD BE LOCATED APPROXIMATELY EVERY 300 FEET.

**(6) ROCK BAG LOCATIONS:**

GENERALLY, ROCK BAGS SHALL BE INSTALLED FOR THE PURPOSE OF CONTROLLING SILTATION AT CURB AND GUTTER INLETS WHERE STAKES CANNOT BE DRIVEN.

**(7) CONSTRUCTION ENTRANCES/EXITS:**

SOIL TRACKING PREVENTION DEVICES (STD. INDEX NO. 106) SHALL BE PROVIDED FOR BOTH ON-SITE AND OFF-SITE LOCATIONS OF STOCKPILED OR EXCAVATED MATERIAL, INCLUDING PROPOSED POND SITES, IF IMMEDIATELY ADJACENT TO A PUBLIC ROADWAY. THE ENGINEER SHALL BE RESPONSIBLE FOR MODIFYING THE SYSTEM OR PROCEDURES AS NEEDED.

**(8) TURBIDITY BARRIER LOCATION:**

- (a) STAKED TURBIDITY BARRIER SHALL BE USED AT AREAS WHERE PERMANENT WATER BODIES ARE LESS THAN 3 FEET DEEP.
- (b) ALL EROSION CONTROL DEVICES SHALL BE INSTALLED ACCORDING TO THE CONTRACT DOCUMENTS.
- (c) ANY TEMPORARY MATERIAL USED FOR POLLUTION OR EROSION CONTROL DURING CONSTRUCTION SHALL BE REMOVED AT THE COMPLETION OF THE PROJECT AND FINAL STABILIZATION OF SOILS HAS BEEN ACHIEVED.

**III. OTHER CONTROLS:**

**(1) WASTE DISPOSAL:**

- (a) THE CONTRACTOR WILL PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT BOUNDARIES DURING CONSTRUCTION ACTIVITIES.
- (b) ALL FERTILIZER AND CHEMICAL CONTAINERS SHALL BE DISPOSED OF BY THE CONTRACTOR ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.
- (c) NO SOLID MATERIALS, INCLUDING BUILDING AND CONSTRUCTION MATERIALS, SHALL BE DISCHARGED TO WETLANDS OR BURIED ON-SITE.
- (d) ALL SANITARY WASTE WILL BE COLLECTED FROM PORTABLE UNITS BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR AS REQUIRED BY STATE REGULATIONS.

**(2) OFF-SITE VEHICLE TRACKING - WILL BE CONTROLLED BY THE FOLLOWING METHODS:**

- (a) LOADED HAUL TRUCKS ARE TO BE COVERED BY A TARPULIN AT ALL TIMES
- (b) EXCESS DIRT ON ROAD WILL BE REMOVED DAILY

**(3) STATE AND LOCAL REGULATIONS: PERMITS WILL BE REQUIRED FROM THE FOLLOWING AGENCIES:**

- (a) SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD)
- (b) U.S. ARMY CORPS OF ENGINEERS (USACE)
- (c) FDEP (NPDES)

**(4) APPLICATION OF FERTILIZERS AND PESTICIDES:**

FERTILIZERS AND PESTICIDES WILL BE USED ON THIS PROJECT IN ACCORDANCE WITH "FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", SECTIONS 570, 575, OR 577, AT THE DISCRETION OF THE CONTRACTOR WITH THE COORDINATION OF THE ENGINEER.

**(5) NON-STORMWATER (INCLUDING SPILL REPORTING):**

THE CONTRACTOR WILL PROVIDE THE FDOT WITH AN EROSION CONTROL PLAN THAT WILL INCLUDE SPILL CONTAINMENT, REPORTING, AND RESPONSES. THE PLAN SHALL SPECIFY WHAT MANAGEMENT PRACTICES AND CONTAINMENT METHODS WILL BE USED TO PREVENT POTENTIAL POLLUTANTS (FUEL, LUBRICANTS, HERBICIDES, ETC.) FROM SPILLING ONTO THE SOIL OR INTO THE SURFACE WATERS. IF A SPILL DOES OCCUR, OR IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, CONTACT DISTRICT CONTAMINATION IMPACT COORDINATOR.

**IV. MAINTENANCE:**

(1) THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND REPAIRS OF EROSION AND SEDIMENT CONTROL DEVICES, AND REMOVAL OF EROSION AND SEDIMENT CONTROL DEVICES WHEN NOTICE OF TERMINATION IS MAILED.

(2) INSTALLATION, MAINTENANCE, REPAIR AND REMOVAL REQUIRED FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION SHALL BE INCLUDED IN THE INDIVIDUAL COSTS OF THE EROSION CONTROL DEVICES.

(3) THE FOLLOWING PRACTICES WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS: GENERAL - ALL CONTROL MEASURES WILL BE MAINTAINED DAILY BY THE CONTRACTOR. ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF NOTICE.

(4) STRUCTURAL PRACTICES - BUILD-UP SEDIMENT WILL BE REMOVED FROM SILT FENCE AND STAKED TURBIDITY BARRIERS WHEN IT HAS REACHED ONE HALF OF THE HEIGHT OF THE FENCE. SODDING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH. HAY BALES SHALL BE REPLACED EVERY THREE (3) MONTHS OR WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORMWATER FLOW OR DRAINAGE. SILT FENCES SHALL BE REPLACED EVERY TWELVE (12) MONTHS OR WHEN IT HAS SERVED ITS USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORMWATER FLOW OR DRAINAGE. STABILIZED CONSTRUCTION ENTRANCES SHALL BE MAINTAINED TO PREVENT CLOGGING OF ROCK BEDDING WHICH MAY IMPEDE THE USEFULNESS OF THE STRUCTURE.

**V. INSPECTION:**

(1) THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES ON THE PROJECT SITE AND RECORD WEEKLY RAINFALL IN ACCORDANCE WITH THE NPDES PERMIT. ALL CONTROL MEASURES WILL BE MAINTAINED DAILY BY THE CONTRACTOR.

(2) ALL EROSION AND WATER POLLUTION ABATEMENT AND CONTROL MEASURES WILL BE INSPECTED DAILY BY CONTRACTOR'S PERSONNEL WHO ARE F.D.E.P. CERTIFIED STORMWATER MANAGEMENT INSPECTORS.

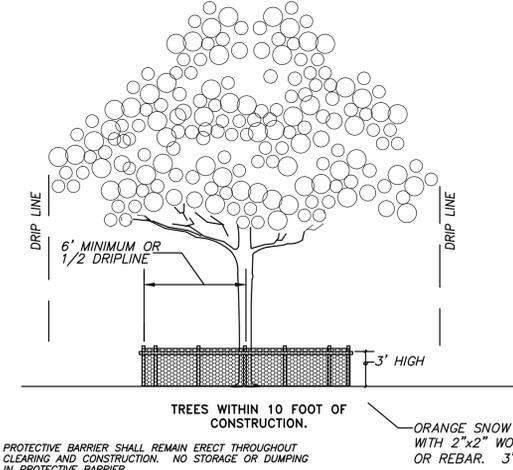
(3) THE CONTRACTOR SHALL COMPLETE ALL SWPPP INSPECTION REPORT FORMS REQUIRED FOR THE NPDES PERMIT.

**VI. TRACKING AND REPORTING:**

(1) THE CONTRACTOR SHALL SUBMIT A WEEKLY REPORT TO THE CITY DOCUMENTING THE DAILY INSPECTIONS AND MAINTENANCE OR REPAIRS TO THE SEDIMENT CONTROL DEVICES. THE CONTRACTOR SHALL MAINTAIN ALL REQUIRED REPORTS AND COMPLETE ALL SWPPP INSPECTION FORMS.

(2) PREPARATION OF ALL THE CONTRACTOR'S REPORTS OF INSPECTION, MAINTENANCE AND REPAIRS REQUIRED FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION SHALL BE INCLUDED IN THE INDIVIDUAL COSTS OF THE EROSION CONTROL DEVICES.

(3) THE CONTRACTOR SHALL USE THE CONSTRUCTION INSPECTION REPORT (NO. 650-040-03), DATED 2/01, FOR DAILY INSPECTIONS.

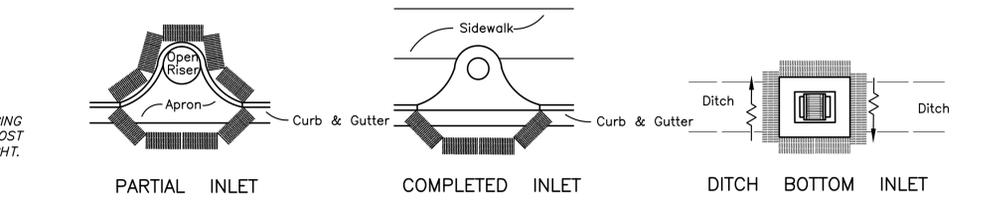


**TREE PROTECTION BARRICADES**

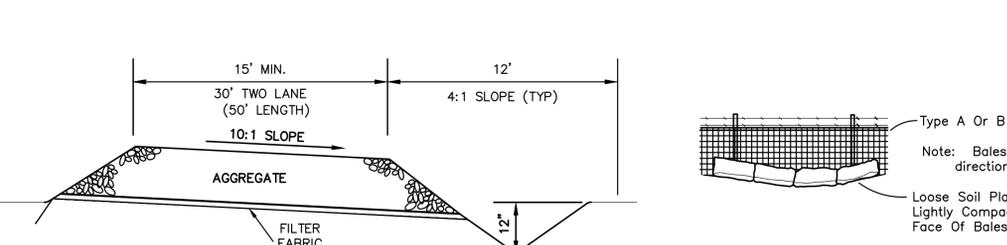


TO BE USED AT SELECTED SITES WHERE THE NATURAL GROUND SLOPES TOWARD THE TOE OF SLOPE

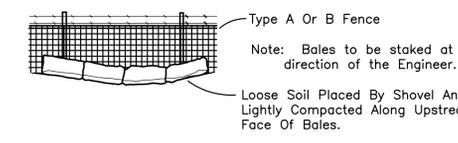
**BARRIERS FOR FILL SLOPES**



**PROTECTION AROUND INLETS OR SIMILAR STRUCTURES**



**SOIL TRACKING PREVENTION DEVICE**



**BALES BACKED BY FENCE**

DESIGNED BY	IK	11/16					
DRAWN BY	IK	11/16					
CHECKED BY	JWR	11/16					
APPROVED BY	JWR	11/16	REVISED FOR DRC COMMENTS	1	2/3/17	IK	
NAME	DATE		REVISIONS	NO.	DATE	BY	

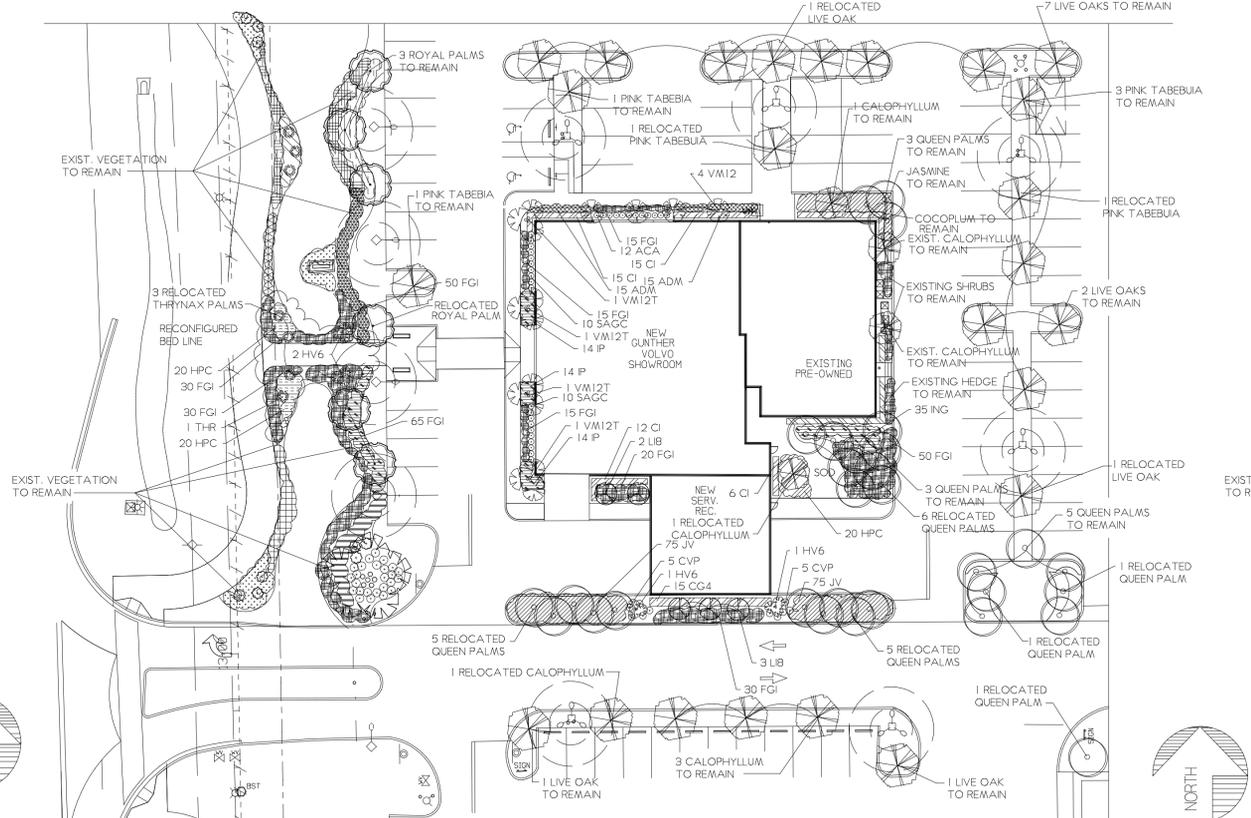
**JOSEPH ROLES AND ASSOC., INC.**  
CONSULTING ENGINEERS  
7501 N.W. 4th STREET, SUITE 101  
PLANTATION, FLORIDA 33317  
PHONE (954) 581-1945  
CERTIFICATE OF AUTHORIZATION NO. 3948

**GUNTHER VOLVO DEALERSHIP**  
CITY OF COCONUT CREEK, FLORIDA  
**POLLUTION PREVENTION NOTES & DETAILS**

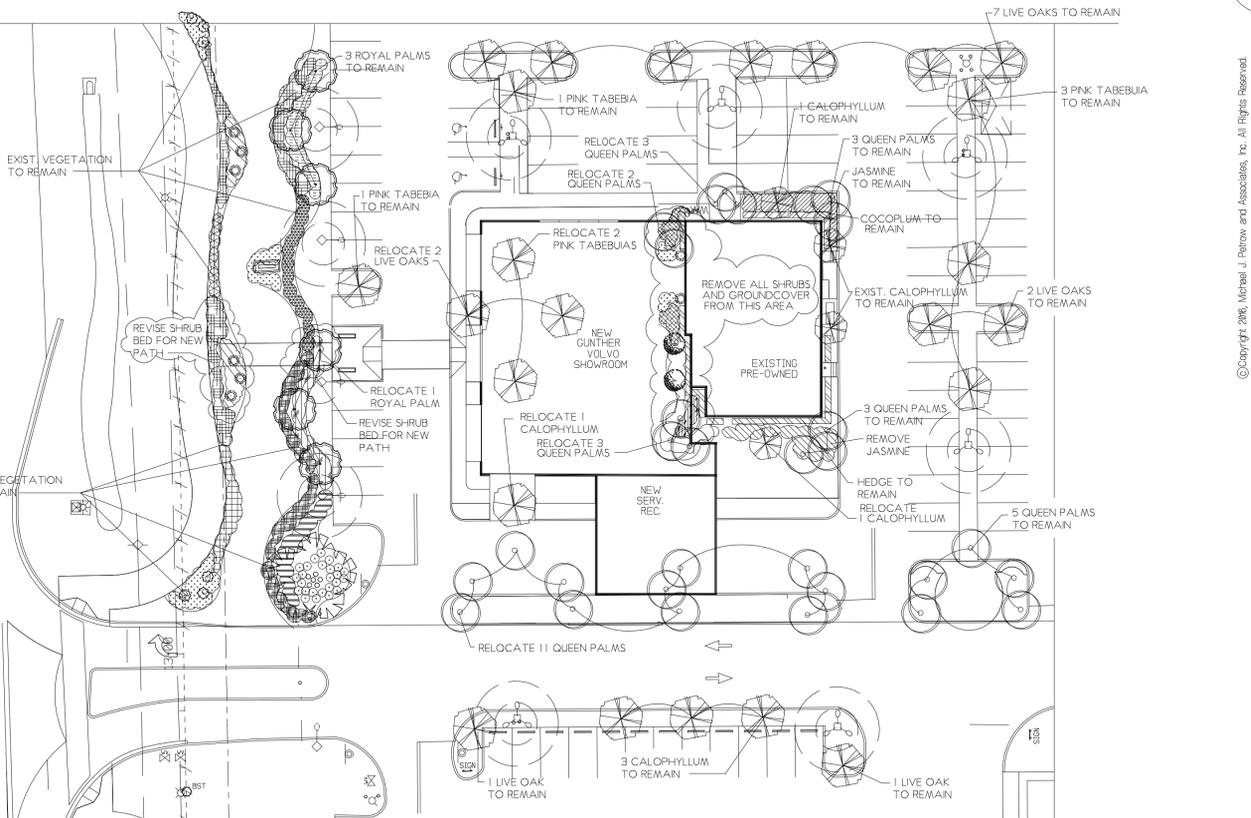
DATE:	11/16
SCALE:	AS SHOWN
PROJECT NO.	112-511-04
<b>SHEET NO. C-10 OF 10</b>	



# LANDSCAPE PLAN



# TREE DISPOSITION PLAN



## GUNTHER VOLVO PLANT LIST

NOTE: The quantities on this plant list are to be used as a guide only. Bidder shall do independent takeoff for bidding purposes. \* Denotes native plants.

CT= CLEAR TRUNK GW= GREY WOOD DBH= DIAMETER BREAST HEIGHT (4 1/2') OA= OVERALL HEIGHT  
FTB= FULL TO BASE HVY= HEAVY TRUNK CAL= CALIPER @ 6" / 12" PER GRADES & STDS. SING= SINGLE TRUNK  
DBL= DOUBLE TRUNK TRP= TRIPLE TRUNK STD= TREE STANDARD MULT= MULTI-TRUNK  
STAG= STAGGERED HEIGHTS B&B= BALLED AND BURLAPPED FG= FIELD GROWN

ALL PLANT MATERIALS MUST ADHERE TO CURRENT GRADING AND STANDARDS FOR FLORIDA NUMBER ONE QUALITY OR BETTER. CONTAINER SIZE, WHEN LISTED, IS THE MINIMUM CONTAINER SIZE ACCEPTABLE FOR THE PLANT SPECIFIED. ALL PLANT MATERIAL WILL BE ACCEPTED BY THE PLANT SIZE SPECIFICATION AND NOT THE CONTAINER SIZE.

SYM	QTY	BOTANICAL NAME	COMMON NAME	HEIGHT	SPREAD	TRUNK SPECS.	TRUNK DIA.	COMMENTS
ACA	12	Acalypha wilkesiana	Copperleaf	24"	24"			Full
ADM	30	Asparagus densiflorus/Myers	Fountain Fern	4"	12"			Full 3 Gal.
CC4	15	Chusa gemifera	Small Leaf Chiaia	4"	2"			Full
CI	41	Chrysobalanus icaco	*Cocoplum	24"	18"			Full
CVP	10	Codiaeum variegatum 'Peters'	Petra Croton	24"	18"			3 Per Pot
FGI	320	Ficus microcarpa	Green Island Ficus	18"	18"			Full
HPC	60	Hancelia patens compacta	Dwarf Firebush	18"-24"	18"			Full
HV6	2	Hypoborbe Verschaffeltii	Spindal Palm	6"	18"		4CT	Full
JNG	35	Isora 'Nora Grant'	Nora Grant Isora	6"	18"			Full
IP	42	Isora 'Peters'	Red Taiwan Dwarf Isora	18"	18"			Full
JV	150	Jasminum volubile	Was Jasmine	24"	18"			Full
LI8	5	Lagerstromia indica	Cape Myrtle	8"	4"	2-3CT		Full
THR	1	Thrinax rostrata	*Thatch Palm	8"				MATCH EXIST
VM12	4	Veitchia montgomeryana	Montgomery Palm	18"			12CT	Full
VM12T	4	Veitchia montgomeryana	Montgomery Palm	18"			12CT	TRIPLE

OTHER LANDSCAPE MATERIALS:  
MLT= Mulch (in Bags)  
SOD= Planting Soil (Cubic Yards)  
SOD TO BE MEASURED IN FIELD LOCATION AS SHOWN ON PLAN & GENERAL SPECIFICATIONS

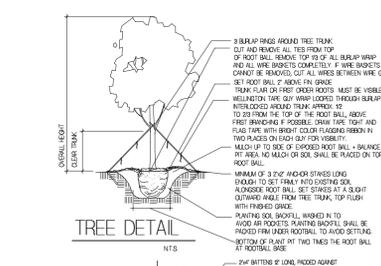
## CITY OF COCONUT CREEK STANDARD LANDSCAPE NOTES

- All landscape and specifications shall meet or exceed the minimum requirements as provided in the City of Coconut Creek Land Development Code. Plans are incorporate without notes and specifications.
- All planting material shall meet or exceed Florida Grade #1 as specified in Grades and Standards for Nursery Plants, current edition. Trees shall not be topped, looped, or shaped for installation.
- Landscape shall be placed to edge of abutting streets, canals, lakes or other lands.
- All mechanical equipment, air conditioning, irrigation pump stations and equipment, FPL transformers, pool pumps, etc., must be screened on three (3) sides by landscape shrubs.  
NOTE: The quantity of screening shrubs is in addition to the required number of shrubs as provided in the code calculation table. All screening shrubs shall be planted for proper operation of equipment being screened and prior to the requirements of the utility as necessary. All hedge material required for screening purposes shall be planted with branches touching. Adjust center spacing as necessary and/or provide additional plants to provide an adequate screen.
- Sight triangles corners shall be clear sight visibility from thirty (30) inches to seventy-two (72) inches. Tree trunks excluded. Measurement shall be made from top of root ball planted at proper elevation.
- Outstanding practices shall permit trees, shrubs, vines, etc. to penetrate outer surfaces of trees, palms or other plant material. Trees, palms and plant material rejected due to this violation shall be replaced with the inspector on site.
- Burlap material, wire cages, plastic/canvas straps, etc., must be cut and removed for the top one-half (1/2) depth of the root ball. Trees and shrubs grown in grow bags or grow bag type material must have such material REMOVED ENTIRELY prior to planting. Shrubs, vines, etc. to penetrate outer surfaces of trees, palms properly planted at the correct planting depth.
- All plant material shall be watered in a time of planting to eliminate air pockets in the root zone area.
- Upon completion of work, the site shall be cleared of all debris, superfluous materials, and equipment caused by the permit to the satisfaction of the inspector.
- Refer to Coconut Creek Fire Equipment Clear Zone diagram to maintain a safe zone fronting fire hydrants.
- Do not plant trees, shrubs or groundcover within Electric Meter Clear Zone. Provide a safe zone as described by the Electrical Inspector.
- All landscaped areas shall be provided with an underground fully automatic irrigation system using pop-up sprinklers. System shall provide 100% coverage with 40% overlap (minimum) using just free water, except preserved areas remaining in natural state. A rain sensor device or switch shall be installed that will override the irrigation system when adequate rainfall has occurred. Water shall not be directed onto or over impervious surfaces and/or be designed or installed to throw water over an impervious surface such as a sidewalk, etc. Hours of operation for all irrigation systems shall be limited to 6:00 a.m. to 8:00 a.m. only or its may be further restricted by South Florida Water Management District or other jurisdictional agency.
- Irrigation permits and plans shall be submitted for approval at time of planting permit.
- All non-single family or duplex irrigation systems other than City water systems shall require a South Florida Water Management District water use permit prior to issuance of an irrigation permit and installation of the irrigation system as required.
- All site amenities to include site street lights, landscape common open space, irrigation common open space, buffers, terraces, landscape entry features, etc. leading up to and including the meter center and/or first indication of occupancy must be completed and functional prior to issuance of the first requested certificate of occupancy. The height of all landscaped, designed and installed items shall be measured from the highest adjacent point on the sidewalk, parking area, vehicular use area, surrounding ground, etc. Where a berm abuts a sidewalk, there shall be a one (1) foot level sod area adjacent to the sidewalk prior to the start of incline for the berm. An inspection is required prior to the backfilling of all in parking medians and islands.
- NOTE: THIS COMMENT SHEET IS TO BE PLACED ON ALL LANDSCAPE PLANS AS IS.

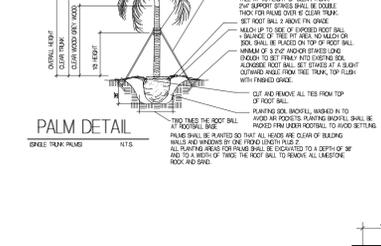
## GENERAL SPECIFICATIONS

- All plant materials shall be Florida No. 1 or better as set forth by the Florida Department of Agriculture, Grades and Standards for Nursery Plants, current edition. All plants to be graded shall comply with the general requirements listed therein. Certification that all plant materials installed are Florida No. 1 or better shall be the sole responsibility of the Landscape Contractor. Said certification shall be provided to the Owner or his authorized representative at the time of delivery of the plant material to the job site. Any dispute regarding plant material grade shall be determined by a representative of the Division of Plant Industry of the State of Florida.
- All rules and guidelines set by the State for the purposes of grading plant materials shall be followed.
- Palms shall be planted so that all heads are clear of building walls and windows at mature spread.
- All Sabal Palms, Queen Palms, Washingtonia Palms, Phoenix varieties and all other single trunk, upright varieties with six (6) or fewer trunks shall be staked as detailed.
- All trees shall be planted so that trees will be clear of building walls, roof lines and windows at mature spread. Shade trees shall not be located closer than fifteen feet (15) from project light poles. Medium and small trees and palms shall not be planted closer than seven and one half feet (7 1/2) from project light poles.
- Florida Power and Light tree location guidelines shall be followed in all cases regarding FPL power pole or easement locations.
- Where Codes require, location of all trees planted in Rights-Of-Way or utility easements shall be confirmed by the landscape contractor with the City or County Engineer before installation.
- All tree trunk calipers shall be measured at 4 1/2' above top of root ball. All trees that are designated as single trunk trees shall have a single, dominant leader and a relatively straight trunk. All trees that are designated as multi-trunk trees shall have at least three trunks with equal calipers originating from the base of the trees, and with angles no greater than 45 degrees. Palms with bark inclusion or codominant trunks will not be accepted.
- All trees and palms shall be kept in an upright position. Under no circumstances shall any support method used employ the driving of nails or other mechanical devices of any kind into the bark of any tree or palm.
- All staking except Terra Toggie shall be removed approximately 6 months after planting or at the time of establishment of the tree. Any exposed Terra Toggie strapping shall be cut and removed after the wood supports have decomposed.
- All synthetic burlap, synthetic string or cords shall be removed before any trees are planted. All synthetic tape tie tagging tape, nursery label shall be removed from trunks, branches, etc., before inspection. The top one-third of any natural burlap shall be removed before the trees are backfilled. All wire baskets shall be removed from the top and sides of the rootball to a depth of 3' and all remaining wire or tape to prevent girdling.
- All trees, (except palms) and other plants shall be planted with the top of their rootballs 2" (+/-) above the final grade surrounding the planting area as detailed. Palms shall be planted with the top of the rootball flush with the surrounding area.
- All trees within or overhanging pedestrian areas shall have a clear trunk high enough to allow unobstructed pedestrian movement under or around trees.
- Sight distance concerns must be maintained for clear sight visibility from thirty (30) inches to seventy-two (72) inches, tree trunks excluded.
- All hedges shall be planted with twelve inches (12") clear space between outer branches and building walls, fences or pavement edges and three feet (3') back from edge of parking spaces at the time of planting. Spacing of shrubs center to center shall be as specified by the municipality for screening requirements.
- All mechanical equipment, air conditioning, irrigation pumps, FPL transformers, pool pumps, etc., must be screened on three (3) sides by shrubs.
- Irrigation shall be by underground, automatic, rust free system with 100% coverage and a minimum of 50% overlap of spray. Irrigation rain sensor shall be installed. Irrigation water shall not be directed onto or over impervious surfaces.
- Irrigation systems other than City water shall require a South Florida Water Management District water use permit prior to the issuance of the required irrigation permit from the City and/or the operation of the irrigation system. Approved irrigation permits shall be required from the City prior to installation.

## TREE DETAIL



## PALM DETAIL



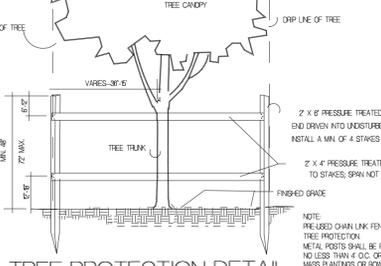
## SPACING PLAN



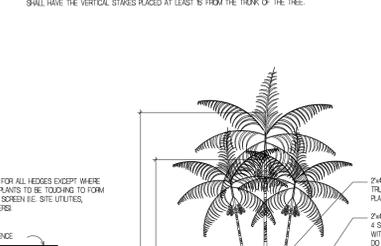
## SHRUB DETAIL



## TREE PROTECTION DETAIL



## PALM DETAIL



## SPACING PLAN



## SHRUB DETAIL



RIGHT OF OWNERSHIP: The drawings, designs, arrangements and ideas represented by these plans are the property of the landscape contractor. They are not to be copied, reproduced, or used in any way without the express written permission of the landscape architect. The landscape architect does not warrant or guarantee the accuracy of the information provided in these drawings. The landscape architect is not responsible for any errors or omissions in these drawings. The landscape architect is not responsible for any damage to property or persons resulting from the use of these drawings. The landscape architect is not responsible for any damage to property or persons resulting from the use of these drawings. The landscape architect is not responsible for any damage to property or persons resulting from the use of these drawings.

NO	REVISIONS	DATE	BY
1		FEBRUARY 3, 2017	

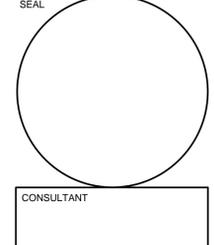
SCALE: 1"=30'  
DATE: NOVEMBER 20, 2016  
DRAWN BY: M.J.P.

TREE DISPOSITION AND LANDSCAPE PLAN FOR GUNTHER VOLVO  
STATE ROAD 7, COCONUT CREEK, FLORIDA

Michael J. Petrow  
Associates, Inc.  
Landscape Architecture  
P.O. Box 8881, Coral Springs, FL 33075  
Phone: (954) 446-9659 FL Reg. #352

SHEET NO: 190-UP-1-GUNTHER VOLVO  
OF: ONE

REVISIONS:

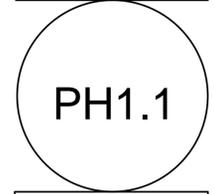


CONSULTANT

STILES ARCHITECTURAL GROUP  
 301 East Las Olas Blvd  
 Fort Lauderdale, Florida, 33301  
 FL, REG # AA-26001798

PROPOSED SHOWROOM AND SERVICE-DRIVE UP ADDITION  
**GUNTER VOLVO - COCONUT CREEK**  
 4300 NORTH STATE ROAD 7  
 COCONUT CREEK, FLORIDA 33073

SITE PHOTOMETRIC PLAN



PROJECT NO. 73989  
 DRAWN BY: B.M.  
 CHECKED BY: J.P.  
 DATE: 10-31-2016

### LED GREENBRIAR® WALL SCONCE (XGBWM3)

US patent 7824356, 8002428 and CAN 2736757 & 2736757 and MX patent 29631 and ISRL 40679 and AUS 296312660 and US & Int'l. patents pending

**SMARTTEC™ ENERGY SAVING FEATURES:**  
**THERMAL CONTROL** - LSI drivers feature integral sensor which reduces drive current, when ambient temperatures exceed rated temperature.  
**OPTIONAL INTEGRAL MOTION SENSOR** - Passive infrared motion sensor activates switching of luminaire light levels. High level light is activated when passively enter target zone and increased to full bright in 1-2 seconds. Low light level (30% of maximum drive current) is activated when target zone is absent of motion activity for 5 minutes and is gradually ramped down (10 seconds) to low level. Sensor detection range 110° horizontal x 93° vertical x 10 meters maximum distance.  
**EXPECTED LIFE** - Minimum 60,000 hours to 100,000 hours depending upon the ambient temperature of the installation location. See LSI web site for specific guidance.  
**LEDS** - Available with 28 or 48 select high-brightness LEDs in Cool White (5000K) or Neutral White (4000K) color temperature, 70 CRI.  
**OPTICS/DISTRIBUTIONS** - Ultra-high efficiency reflectors provide three distributions. Choose from Wide Throw (WT), Forward Throw (FT) or Wall Wash (WW).  
**HOUSING** - The anodized aluminum housing is a rectangular shape. All mounting hardware is stainless steel or electro-zinc plated steel. Housing and optical unit are sealed with extruded silicone gasket; supply conductors with molded EPDM bushing.  
**OPTICAL UNIT** - Clear tempered optical-grade flat glass lens sealed to the aluminum optic housing creates an IP67 rated unit. Pressure stabilizing breather allows super-light protection while preventing cycling from building up internal pressures and vacuums that can stress optical unit seals.  
**WALL MOUNTING** - Galvanized-steel universal wall mounting plate easily mounts directly to 4" octagonal or square junction box. EPDM gasket is supplied to be installed between mounting plate and junction box, sealing junction box from entrance of water. Universal plate permits fixture to be mounted in uplighting (indoor only) or downlighting position.  
**POLE MOUNTING** - XPMA (for square) or XPMAR (for round) allows mounting to poles in single and D180 configurations. Use with 3" reduced drilling pattern.  
**ELECTRICAL** - Two-stage surge protection (including separate surge protection built into electronic driver) meets IEEE C62.41.2-2002, Location Category C. Available with universal voltage power supply 120-277VAC (50/60Hz input) or 347-480VAC.  
**DRIVER** - Available in 350mA and 450mA drive currents (Drive currents are factory programmed). Components are fully encased in potting material for moisture resistance. Driver complies with IEC and FCC standards. Driver can be easily accessed and removed.  
**EMERGENCY OPTIONS** - Integral emergency battery-back-up options are available. BB option operates in 0°C to 50°C ambient temperature and CWBB operates in -20°C to 50°C ambient temperature. When primary AC power failure occurs, both options operate 10 LEDs for minimum of 90 minutes.  
**OPERATING TEMPERATURE** - -40°C to +50°C (-40°F to +122°F)  
**FINISH** - Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling.  
**DECAL STRIPING** - Optional color-coordinated decals in 9 standard colors to accent the fixture. Decals are guaranteed for five years against peeling, cracking, or fading.  
**WARRANTY** - LSI LED fixtures carry a limited 5-year warranty.  
**PHOTOMETRICS** - Please visit our web site at [www.lsi-industries.com](http://www.lsi-industries.com) for detailed photometric data.  
**SHIPPING WEIGHT (in carton)** - 31 lbs./14kg  
**LISTING** - ETL listed to ANSI/UL 1598, UL8750 and other U.S. and international safety standards. Suitable for wet locations in downlight position. For a list of the specific products in this series that are DLC listed, please consult the LED Lighting section of our website or the Design Lights website at [www.designlights.org](http://www.designlights.org).

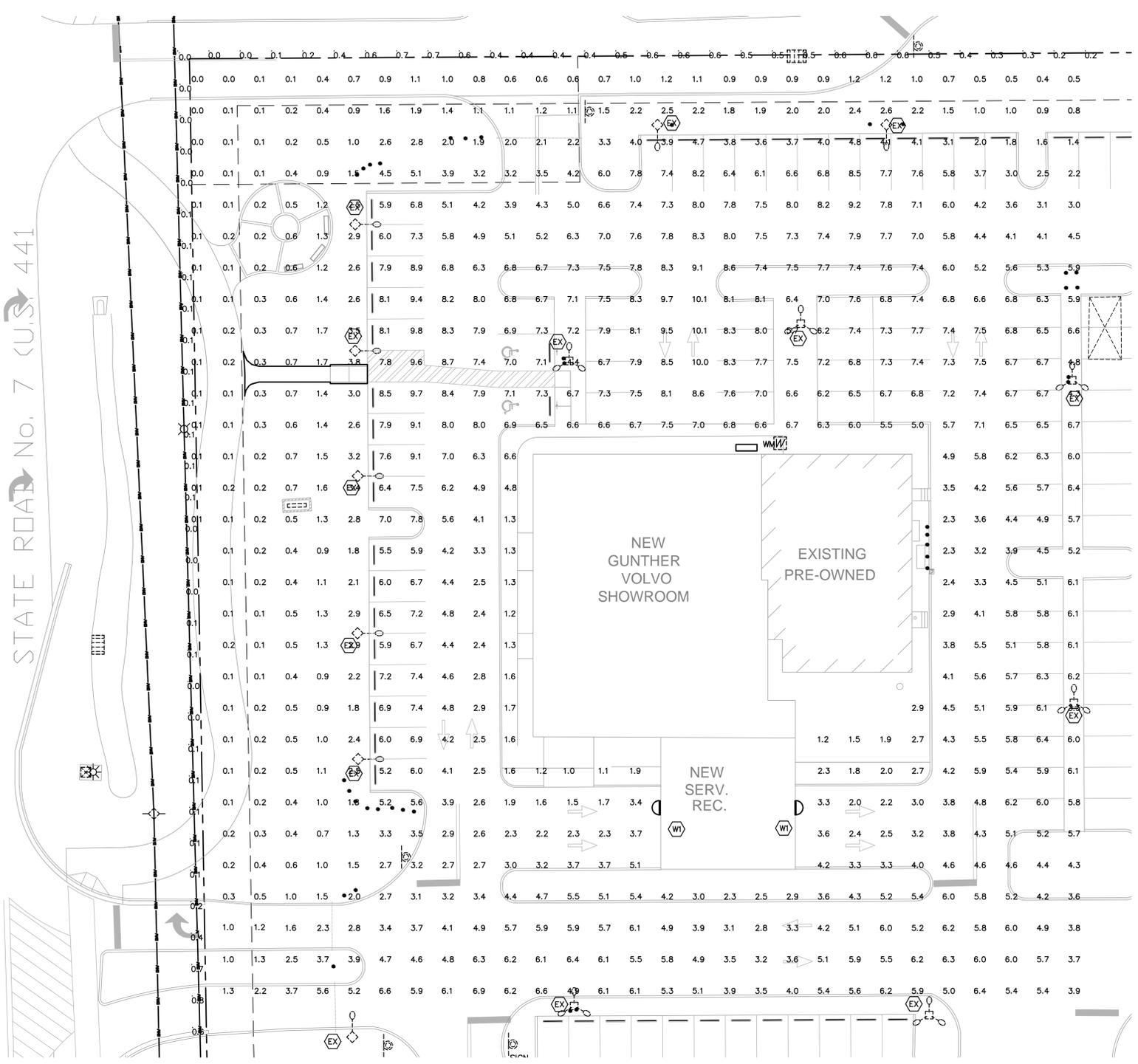
**DOE LIGHTING FACTS**  
 Department of Energy has verified representative product test data and results in accordance with its Lighting Facts Program. Visit [www.lightingfacts.com](http://www.lightingfacts.com) for specific catalog strings.

Milliwatts	# of LEDs	Distribution/Lumens (Nominal)			
		Type FT	Type WT	Type WW	Watts
Cool White 5000K	28	2876	2902	3032	34
	48	4855	4931	5038	55
	28	3522	3542	3720	44
Neutral White 4000K	48	5900	5972	6115	72
	28	2787	2792	2896	34
	48	4553	4660	4555	55
28	3377	3369	3517	44	
48	5453	5562	5452	72	

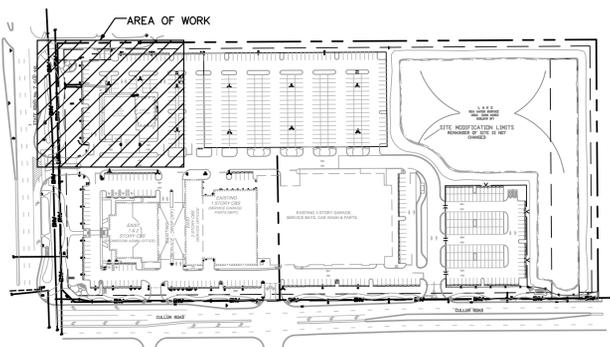
LED Chips are frequently updated therefore values may increase.

This product, or selected versions of this product, meet the standards listed below. Please consult factory for your specific requirements.

Project Name: \_\_\_\_\_ Fixture Type: \_\_\_\_\_  
 Catalog #: \_\_\_\_\_  
 07/28/16  
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SITE PHOTOMETRIC PLAN  
 1"=20'-0"



KEY PLAN  
 1"=200'-0"

Symbol	Label	[MANUFAC]	Description	Qty	Arrangement	Total Lamp Lumens	LLF	Lum. Watts
	EX	LSI INDUSTRIES	EXISTING LUMINAIRES ON EXISTING 24' POLES	9	SINGLE	44000	0.720	452
	WT	LSI INDUSTRIES, INC	XGBWM3-WT-LED-28-350-NW-UE MOUNTING HT = 15'-0"	2	SINGLE	2792	0.840	34

**GENERAL NOTE:**  
 TWO TRIPLE HEAD LUMINAIRES WITH A TOTAL OF 264,000 LUMENS ARE BEING REMOVED AND TWO FULL CUTOFF LED LUMINAIRES WITH A TOTAL OF 5584 LUMENS ARE BEING ADDED.

Label	Calc Type	Units	Avg	Max	Min	Avg/Min	Max/Min
SITE_Planar	Illuminance	Fc	5.48	10.1	1.0	5.48	10.10

Label	Calc Type	Units	Avg	Max	Min	Avg/Min	Max/Min
PROPERTY LINE 1	Illuminance	Fc	0.41	0.7	0.0	N.A.	N.A.
PROPERTY LINE 2	Illuminance	Fc	0.15	0.8	0.0	N.A.	N.A.