

PROPOSED PARKING GARAGE FOR: GUNTHER VOLKSWAGEN



4300 NORTH STATE ROAD 7
COCONUT CREEK, FLORIDA 33073



SOUTH ELEVATION

OWNER:

GUNTHER MOTOR COMPANY
4300 NORTH STATE ROAD 7
COCONUT CREEK, FL. 33073
(954) 590-3750

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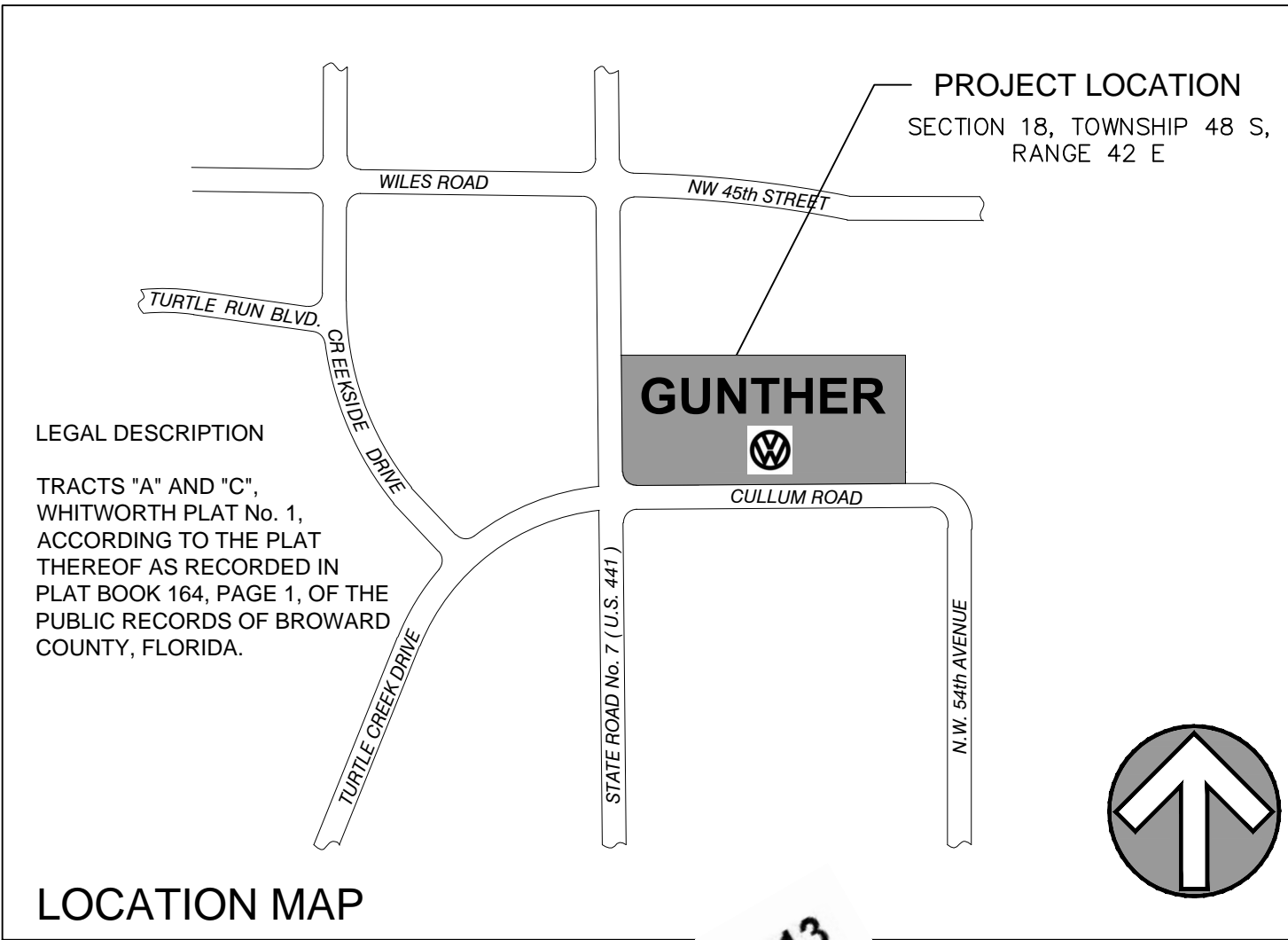
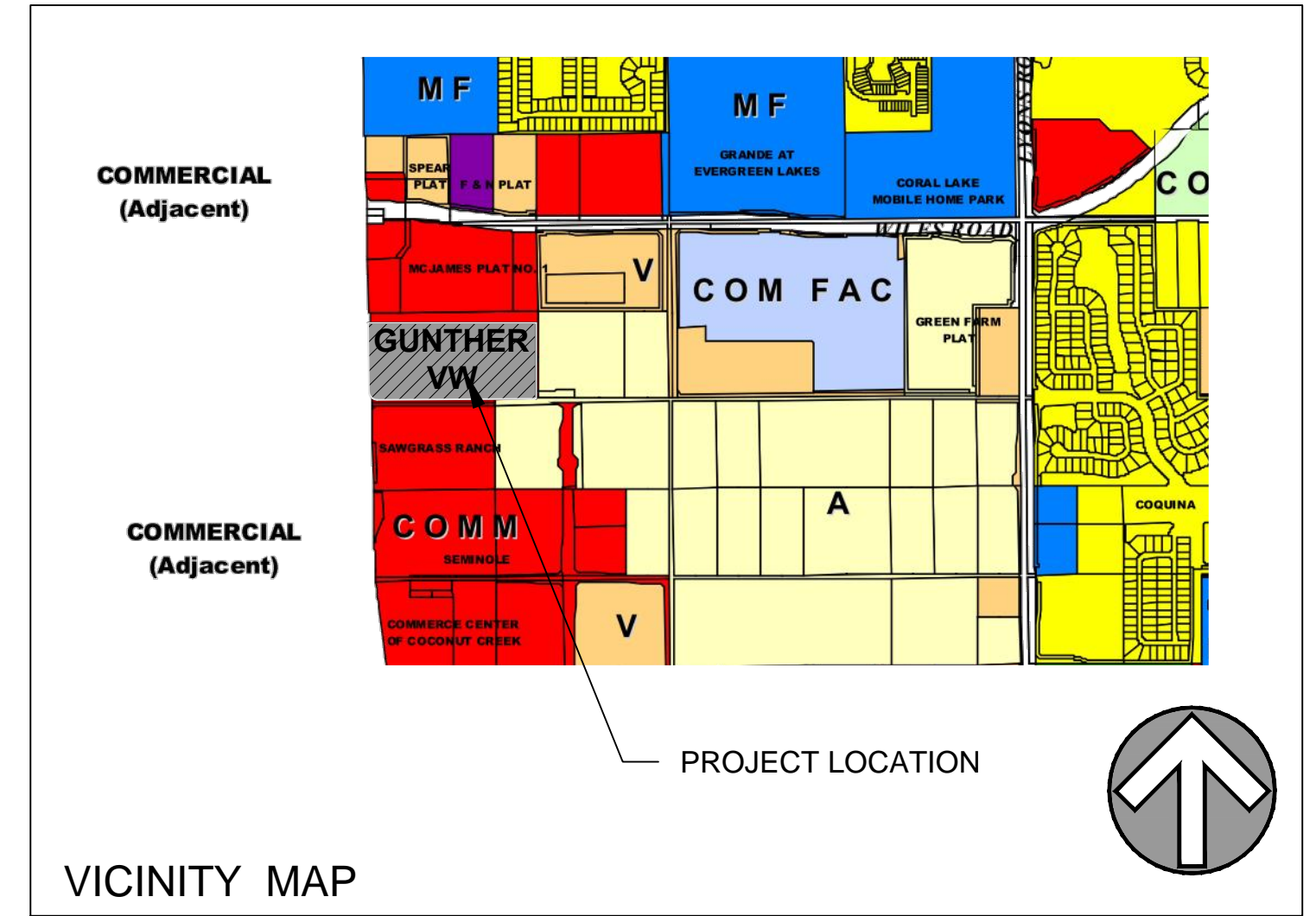
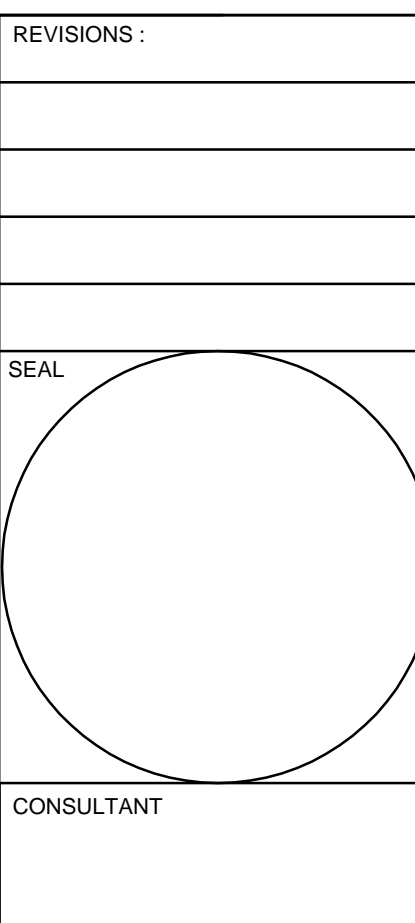
LANDSCAPE ARCHITECT
MICHAEL J. PETROW & ASSOCIATES -
P.O. BOX 8601
CORAL SPRINGS, FLORIDA 33075
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DAVIE, FLORIDA 33314
(954) 585-0997
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ABBREVIATIONS AND SYMBOLS	ABBREVIATIONS AND SYMBOLS	ABBREVIATIONS AND SYMBOLS	ABBREVIATIONS AND SYMBOLS
ABV ABOVE	DR DOOR	H.M. HOLLOW METAL	PARTN PARTITION
ADJ ADJACENT	DTL DETAIL	HOR. HORIZONTAL	PFS PREFORMED FILLER
ADJ ADJACENT	DW. DRAWING (S)	H.P. HIGH POINT	PL PLATE
ADJ ADJACENT	DW. DRYWALL	H.V.A.C. HEATING, VENTILATING AND AIR CONDITIONING	PLG PLASTER
AGGR AGGREGATE	E.I. EXPANSION JOINT	ID. INSIDE DIAMETER	PLAS PLASTER
ALUM ALUMINUM	ELECT ELECTRICAL	IN INSULATION	PLAS PLASTER
ANCH ANCHOR	ELEV. ELEVATION	INT. INTERIOR	P.M.T. POINT
AND AND	EQ. EQUIPMENT	J.C. JOINT	P.P.T. PRESSURE TREATED
APPROX APPROXIMATE (LY)	EXP. EXPOSED	J.T. JOINT	Q.T. QUARRY TILE
ARCH ARCHITECT (URAL)	EXP. EXPOSED	KIT. KITCHEN	REF. REFRIGERATOR
AS ACCESSION	EXPAN EXPANSION	K.O. KITCHEN	RES. REINFORCED
ASPH ASPHALT	EXIST. EXISTING	K.O. KITCHEN	RO. ROUGH OPENING
AT BOTTOM OF	F.E. FIRE EXTINGUISHER	K.O. KITCHEN	SAN. SANITARY
B. BOTTOM	F.E. FIRE EXTINGUISHER CABINET	K.O. KITCHEN	SHT. SHEET
BIUM BITUMINOUS	F.F. FINISHED FLOOR	L.V. LIGHT	SHT. SHEET
BLDG. BUILDING	F.F. FINISHED FLOOR	L.V. LIGHT	SHT. SHEET
BM BEAM	F.F. FINISHED FLOOR	L.V. LIGHT	SHT. SHEET
BRK BRICK	F.F. FINISHED FLOOR	L.V. LIGHT	SHT. SHEET
CB CABINET	F.F. FINISHED FLOOR	L.V. LIGHT	SHT. SHEET
CJ CONTROL JOINT	F.F. FINISHED FLOOR	L.V. LIGHT	SHT. SHEET
CL CENTERLINE	F.F. FINISHED FLOOR	L.V. LIGHT	SHT. SHEET
CLR CLEAR	F.F. FINISHED FLOOR	L.V. LIGHT	SHT. SHEET
CLR OPNG CLEAR OPENING	F.F. FINISHED FLOOR	L.V. LIGHT	SHT. SHEET
CMU CONCRETE MASONRY UNIT	F.F. FINISHED FLOOR	L.V. LIGHT	SHT. SHEET
CP CEMENT PLASTER	F.F. FINISHED FLOOR	L.V. LIGHT	SHT. SHEET
COL COLUMN	F.F. FINISHED FLOOR	L.V. LIGHT	SHT. SHEET
CONG CONCRETE	F.F. FINISHED FLOOR	L.V. LIGHT	SHT. SHEET
CONST CONSTRUCTION	F.F. FINISHED FLOOR	L.V. LIGHT	SHT. SHEET
CONT CONTINUOUS	F.F. FINISHED FLOOR	L.V. LIGHT	SHT. SHEET
CONTR CONTRACTOR	F.F. FINISHED FLOOR	L.V. LIGHT	SHT. SHEET
CPY COPY	F.F. FINISHED FLOOR	L.V. LIGHT	SHT. SHEET
CT CERAMIC TILE	F.F. FINISHED FLOOR	L.V. LIGHT	SHT. SHEET
DIAM DIAMETER	F.F. FINISHED FLOOR	L.V. LIGHT	SHT. SHEET
DIM DIMENSION	F.F. FINISHED FLOOR	L.V. LIGHT	SHT. SHEET
D.D.S. DOOR OPENING SIZE	F.F. FINISHED FLOOR	L.V. LIGHT	SHT. SHEET
DP DAMP PROOFING	F.F. FINISHED FLOOR	L.V. LIGHT	SHT. SHEET

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PHASE ONE
CONSTRUCT INVENTORY STORAGE LOT AND MAIN DRIVEWAY EXTENSION ON EAST SIDE OF PROPERTY

START - COMPLETION -	06/2013
	09/2013

PHASE TWO
CONSTRUCT PARKING GARAGE AND PRE-OWNED CAR BUILDING EXPANSION

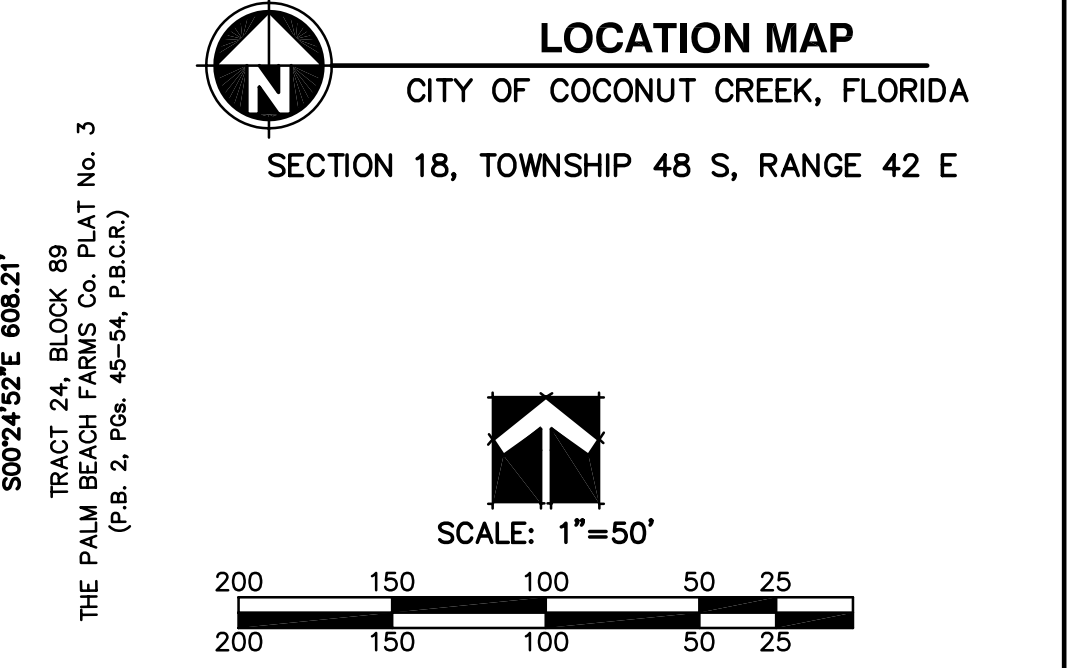
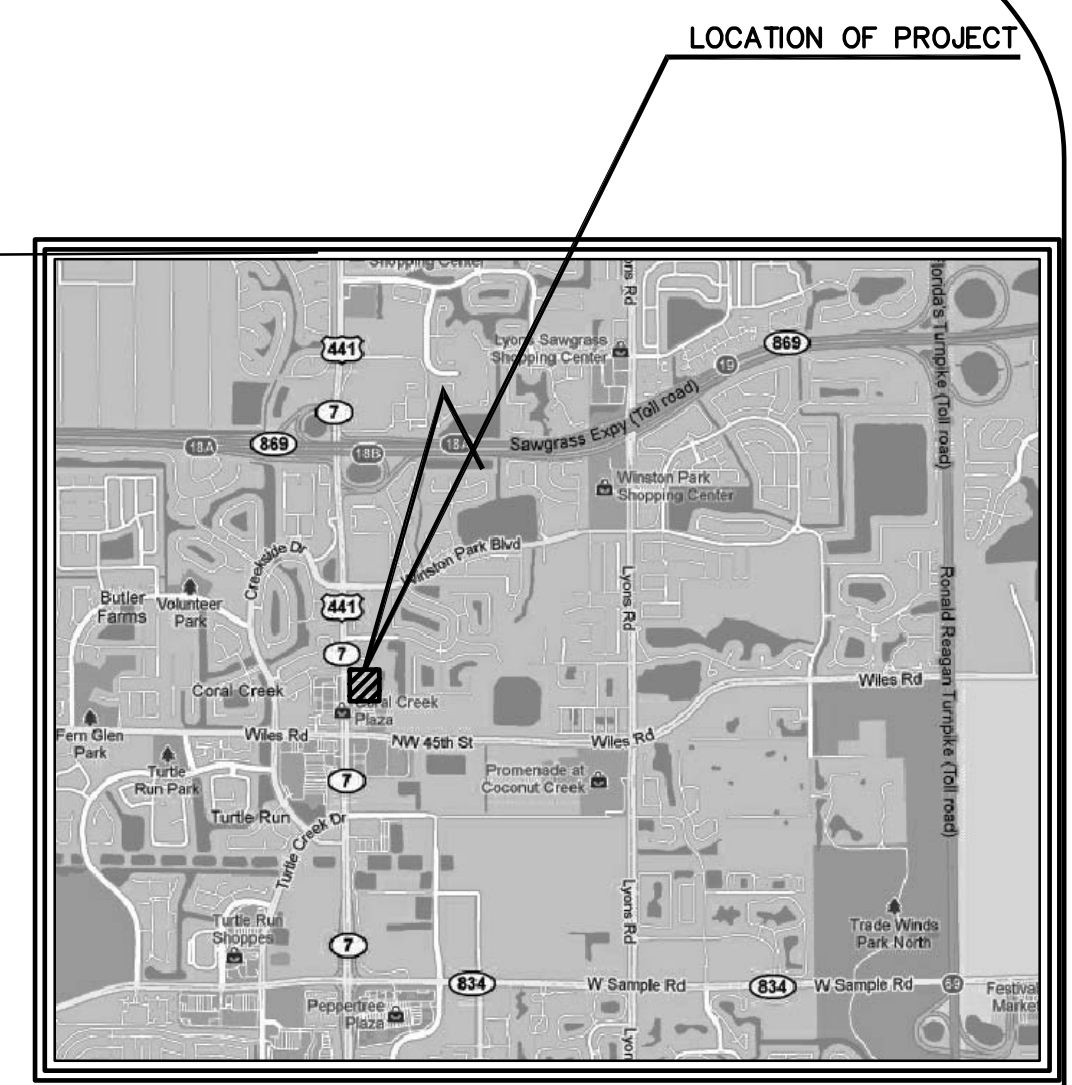
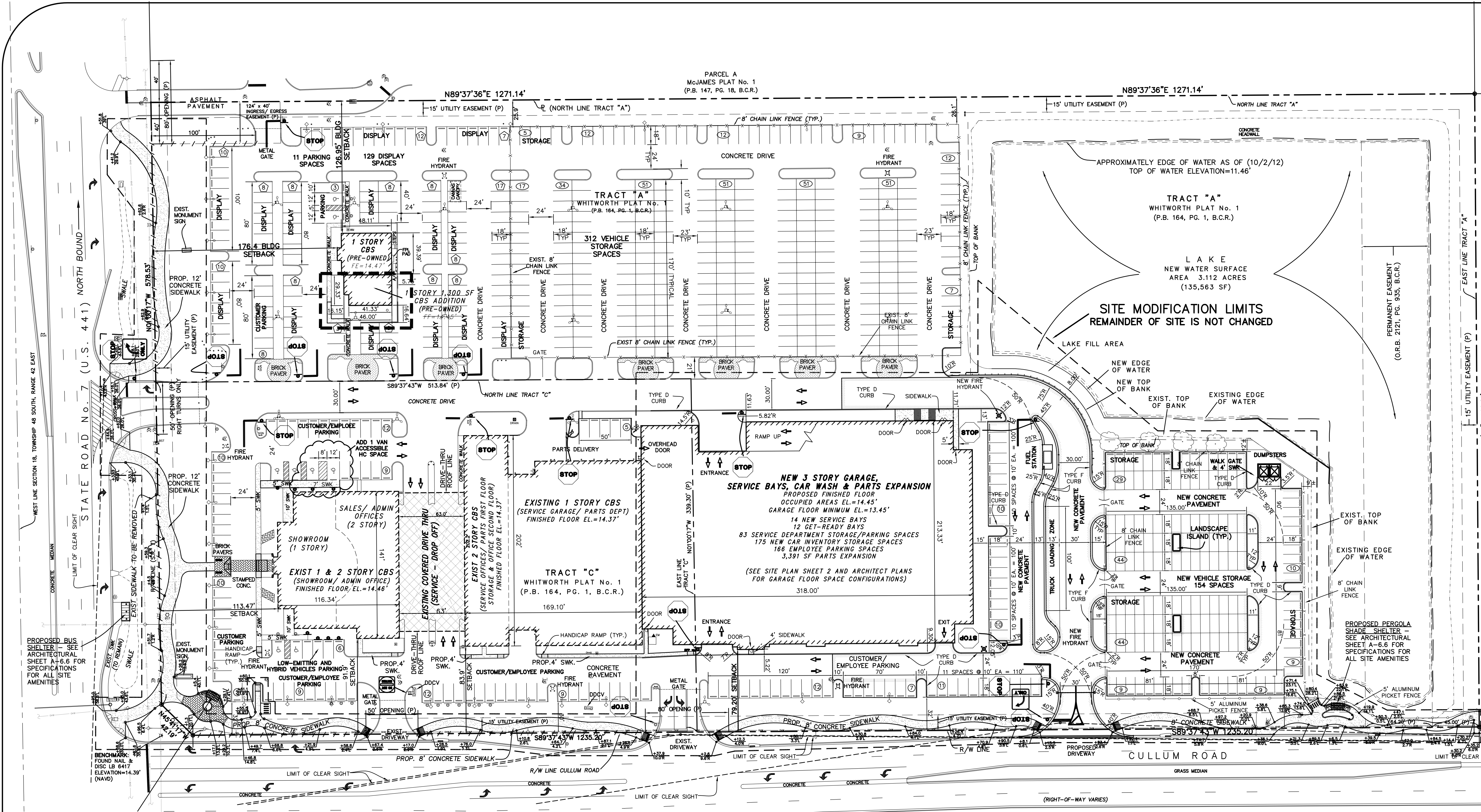
START - COMPLETION -	09/2013
	04/2014

TIME SCHEDULE

CITY COMMISSION APPROVED 03-28-2013

COVER

PROJECT NO. 73753
DRAWN BY: PAV/GL
CHECKED BY: JLP
DATE: April 25, 2013



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.

TRASH GENERATION SCHEDULE
EXISTING SITE : 5 LBS / 100 SF = 3,298 LBS. PER DAY
PROPOSED MODIFICATION : 5 LBS / 100 SF = 3,913 LBS. PER DAY
NET INCREASE = 615 LBS PER DAY

NOTE:
ALL SIDEWALK IMPROVEMENTS FOR PUBLIC EASEMENT SHALL BE COLORED CONCRETE. SOLOMON COLORS, INTEGRAL COLORS FOR COLORED CONCRETE: 415 RED = VENETIAN RED

MODIFIED BUILDING SITE SETBACK DATA

YARD SETBACK	REQUIRED	PROVIDED			
		DEALERSHIP	PRE-OWNED	SERVICE	GARAGE
FRONT	100'	113.47'	176.40'		
NORTH SIDE	25'	374.70'	126.95'	321.06'	310.85'
SOUTH SIDE	25'	91.9'		83.87'	79.20'
REAR	25'				484.92'

SITE COVERAGE DATA - EXISTING & PROPOSED

EXISTING SITE USAGE AREAS	PERCENT OF SITE	MODIFIED SITE USAGE AREAS	PERCENT OF SITE
BUILDING FOOTPRINT	51,329 SF 7.58%	114,045 SF 14.80%	
SIDEWALKS	6,633 SF 0.98%	20,413 SF 2.65%	
CAR DISPLAY AREAS	4,741 SF 0.70%		
INTERIOR ROADS AND PARKING AREAS	330,583 SF 48.81%	317,737 SF 41.22%	
ON-SITE LAKE	138,956 SF 20.51%	135,563 SF 17.59%	
LANDSCAPE / GREEN AREA	145,116 SF 21.42%	182,984 SF 23.74%	
TOTALS	677,358 SF 100%	770,742 SF 100%	

PARKING LEGEND

- (1) INDICATES EMPLOYEE / CUSTOMER PARKING AND NUMBER OF SPACES IN ROW
- (8) INDICATES DISPLAY AND NUMBER OF SPACES IN ROW OR GROUP
- (9) INDICATES VEHICLE STORAGE SPACE AND NUMBER IN ROW OR GROUP

BUILDING AND PARKING DATA EXISTING & PROPOSED

EXISTING BUILDING AREA	PARKING REQUIRED	MODIFIED BUILDING AREA	PARKING REQUIRED
TOTAL BUILDING SQUARE FOOTAGE	65,978	78,252	
SHOWROOM	1,200 sq.ft. = 34	6,642 = 34	
SHOWROOM GENERAL OFFICE	1,300 sq.ft. = 28	8,408 = 28	
PARTS STORAGE **	1,500 sq.ft. = 17	8,388 = 24	
SERVICE OFFICE	1,300 sq.ft. = 21	6,137 = 21	
ADMINISTRATIVE OFFICES	1,300 sq.ft. = 23	6,952 = 23	
SERVICE BAYS **	+7583 1,150 sq.ft. = 183	27,473 = 183	
USED CAR OFFICES**	+1300 1,300 sq.ft. = 7	1,978 = 11	
NEW GARAGE** - 3 VEHICLE FLOORS (RAMPS INCLUDED)			
FIRST FLOOR PARKING/USE (LESS PARTS AND SERVICE BAYS)		54,283 SF	
SECOND FLOOR (INVENTORY STORAGE)		61,552 SF	
THIRD FLOOR (EMPLOYEE PARKING)		62,841 SF	
TOTAL GARAGE FLOOR AREA		178,676 SF	
TOTAL REQUIRED PARKING	313 SPACES (EXIST.)	375 SPACES (PROP.)	
TOTAL H.C. SPACES REQUIRED	7 H.C. SPACES	8 H.C. SPACES	
STANDARD PARKING PROVIDED (10'X18')	EXIST. 411 SPACES	PROP. 402 SPACES	
TOTAL H.C. SPACES PROVIDED	7 H.C. SPACES	8 H.C. SPACES	
DISPLAY & STORAGE SPACES PROVIDED	EXIST. 304 SPACES	PROP. 622 SPACES	

SITE DATA:

EXISTING ZONING: PCD
 PROPOSED ZONING: PMDD
 EXISTING LAND USE: RAC
 PROPOSED DEVELOPMENT MODIFICATION: AUTO-DEALERSHIP & SERVICE
 BUILDING HEIGHT: 3 STORY PARKING / STORY GARAGE
 MAXIMUM MAIN ROOF PARAPET HEIGHT OF 41'-6"

WATER/SEWER:
 POTABLE WATER BY.....CITY OF COCONUT CREEK
 SEWAGE COLLECTION/TREATMENT BY.....CITY OF COCONUT CREEK

PERVIOUS / IMPERVIOUS SUMMARY

	EXISTING SITE	PERCENT	MODIFIED SITE	PERCENT
TOTAL OPEN SPACE - PERVIOUS AREA	186,803 SF	27.57%	182,984 SF	23.74%
IMPERVIOUS AREA TOTAL	409,555 SF	72.43%	587,758 SF	76.26%

REV 4-19-13 - REV LAKE AREA
 REV 3-19-13 - CORRECTED SEC TWN RGE
 REV 1-22-13 - CITY COMMENTS

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	%	OPEN SPACE BONUS	ACRES	%
PARK & GREENWAY TRAIL (PERVIOUS AREA)	0.118	0.67	PARK & GREENWAY TRAIL	0.330	1.86
LANDSCAPE BUFFERS	1.180	6.67	PUBLIC PLAZA	0	0
OTHER PERVIOUS AREAS / GREEN ROOFTOPS	2.903	16.62	PUBLIC GATHERING AREA	0	0
WATER BODIES			OUTDOOR PUBLIC RECREATION	0	0
WIDTH GREATER THAN 100 FEET = 100% CREDIT	3.112	17.38	WATER BODIES - 100%		
WIDTH GREATER THAN 60 FEET = 50% CREDIT	0	0	(WIDTH LESS THEN 60 FEET WITH PEDESTRIAN SIDEWALK/BRIDES)	0	0
WIDTH LESS THEN 60 FEET = 0% CREDIT	0	0			
TOTAL (PROVIDED)	7.313	41.34	TOTAL (PROVIDED)	0.330	1.86

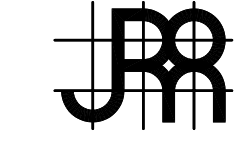
DEVELOPMENT SITE PLAN MODIFICATION
GUNTHER VOLKSWAGEN
 CITY OF COCONUT CREEK, FLORIDA

OWNER
GUNTHER MOTOR COMPANY

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

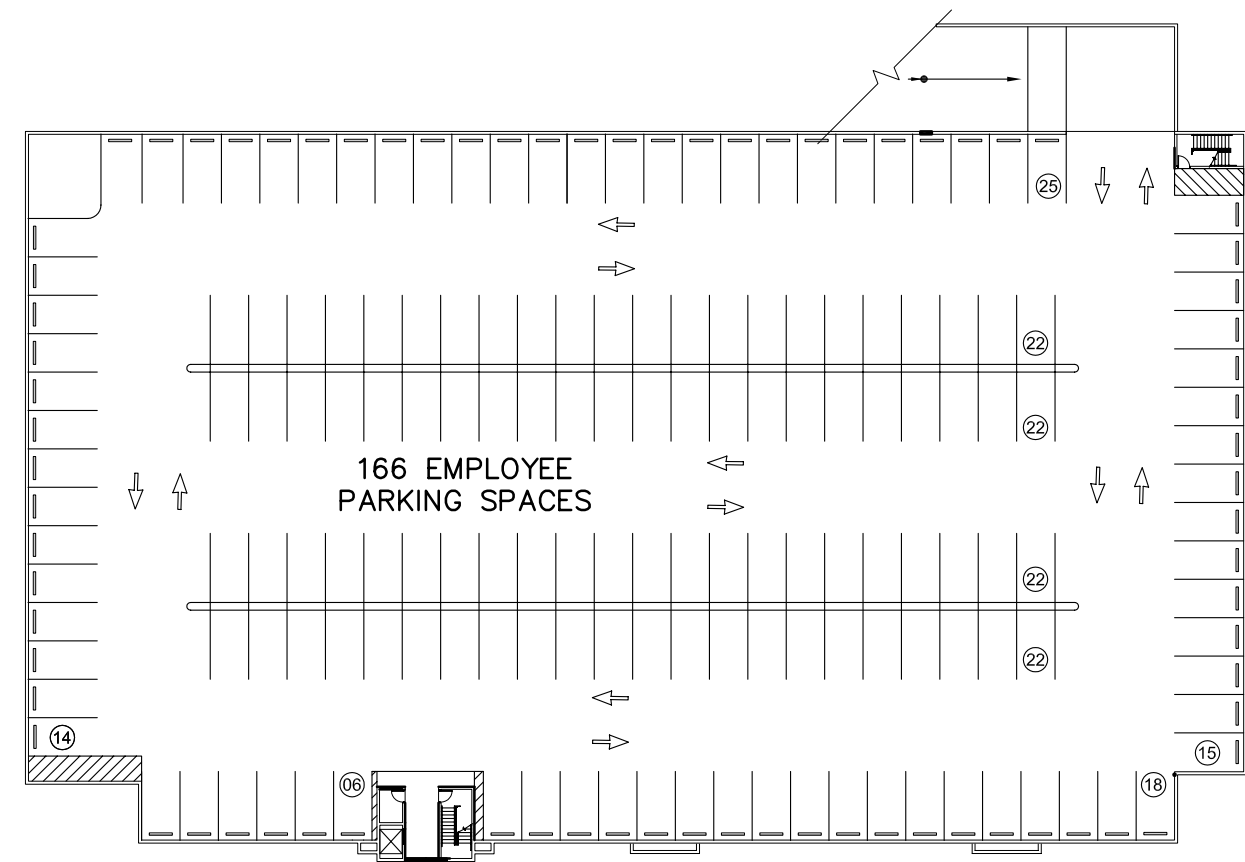
SITE PLAN AND CIVIL ENGINEERING:
JOSEPH ROLES AND ASSOC., INC.
 CONSULTING ENGINEERS

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

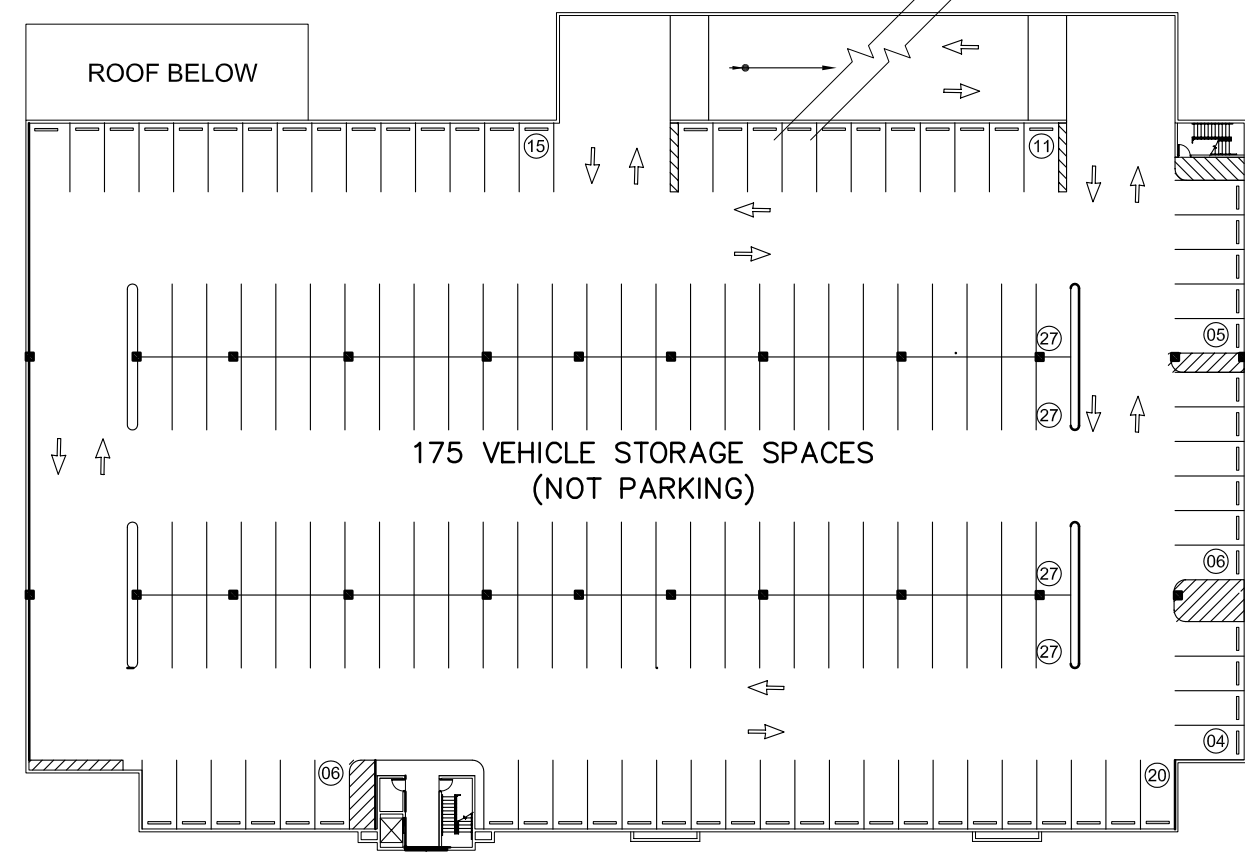


PROJECT NO.
 111-511-01

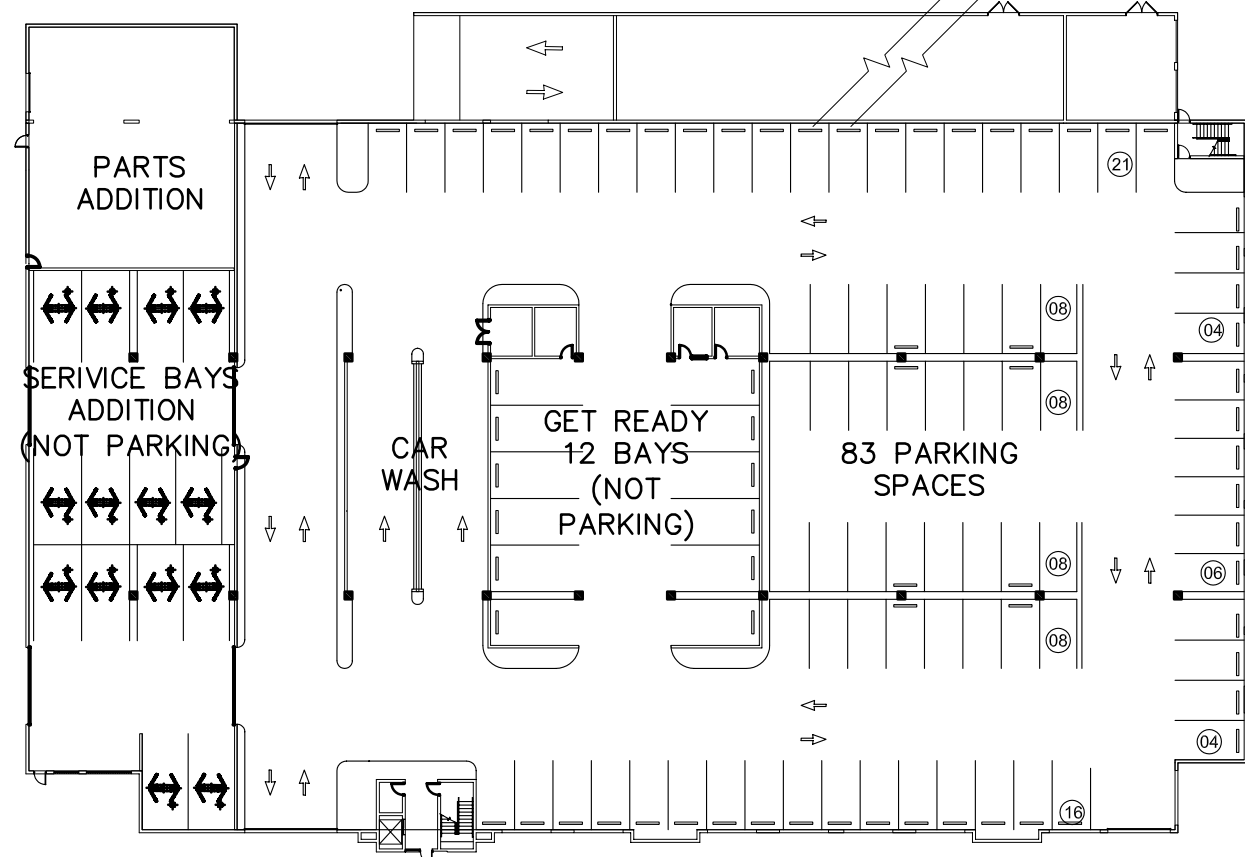
JOSEPH W. ROLES, JR. P.E.
 REG. ENGINEER NO. 16965



3rd FLOOR EMPLOYEE PARKING SPACES
166 SPACES PROVIDED (10' X 18')

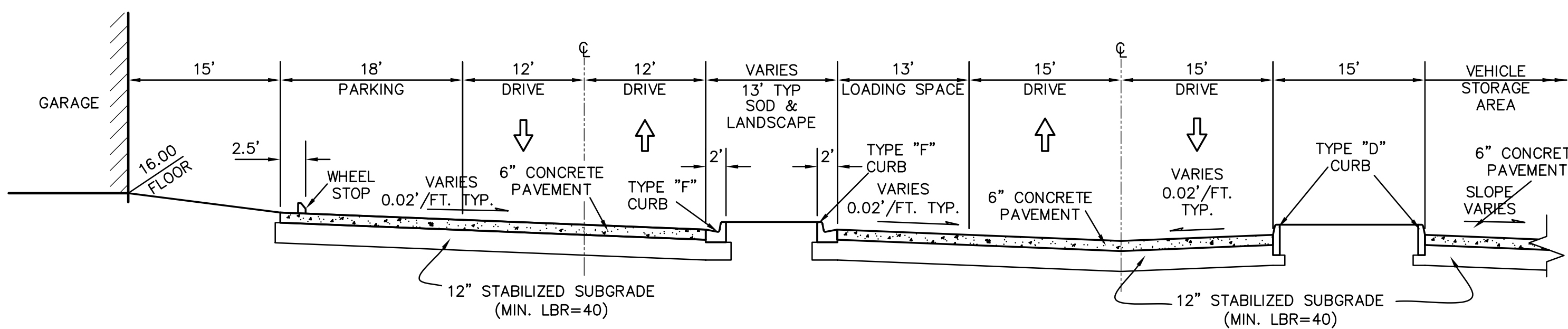


2nd FLOOR VEHICLE STORAGE AREA (NOT PARKING)
175 VEHICLE INVENTORY SPACES (9' X 18')

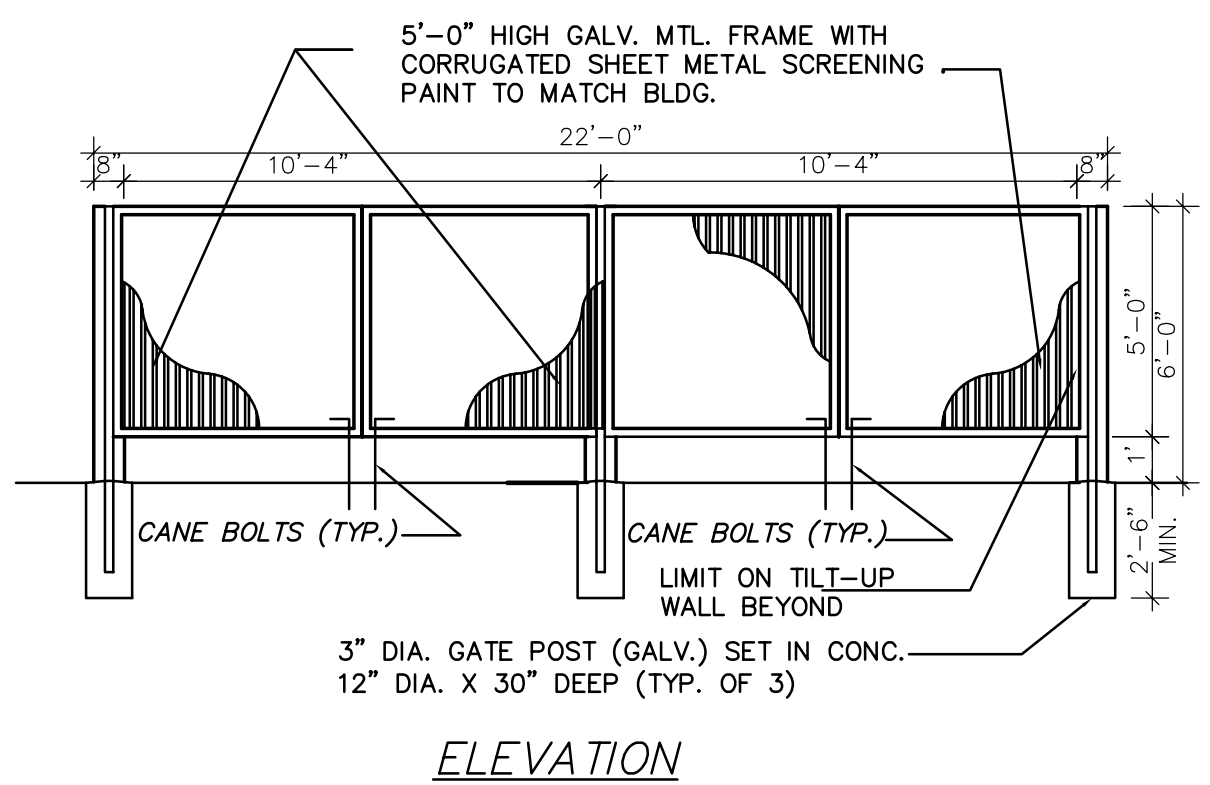


GROUND FLOOR SERVICE PARKING
83 SERVICE AREA PARKING SPACES PROVIDED (10' X 18')

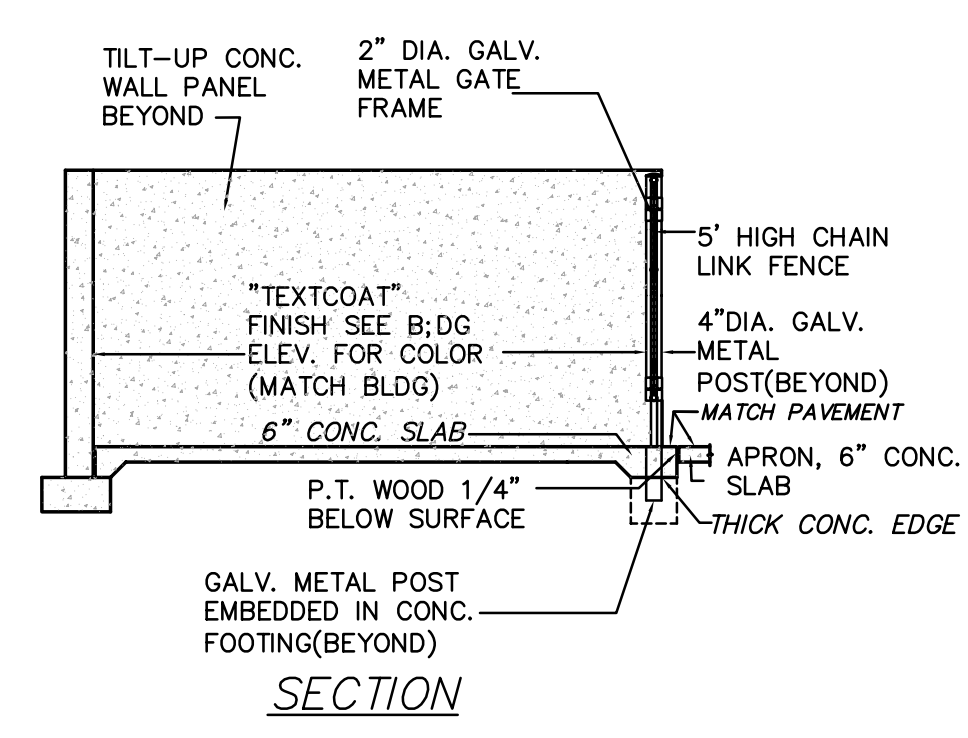
GARAGE PARKING / VEHICLE STORAGE PLAN
SEE ARCHITECTURAL PLANS FOR DETAILS - SHOWN FOR PARKING CONFIGURATION ONLY



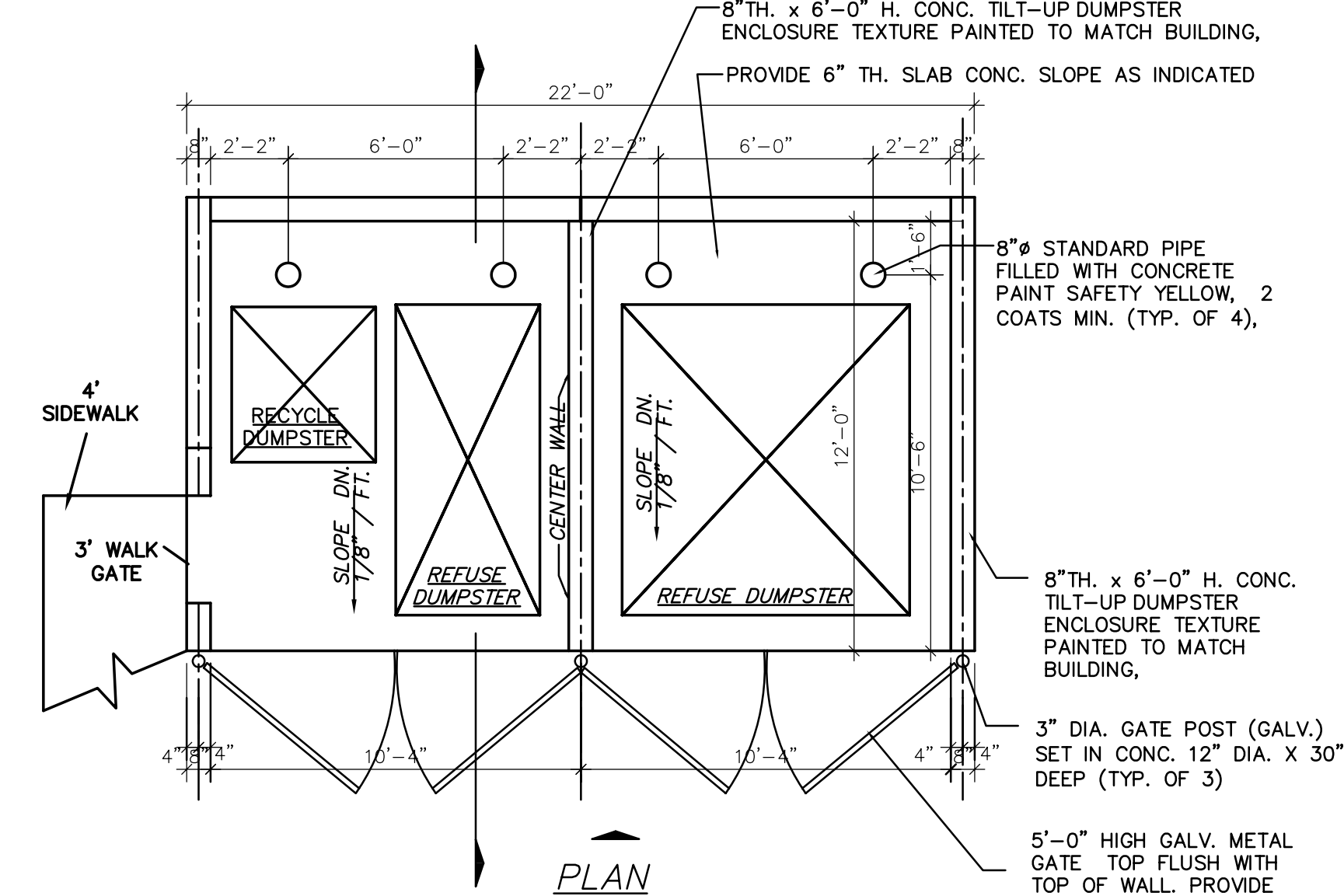
TYPICAL SECTION - NEW PAVEMENT & PARKING
(EAST DRIVEWAY AREA SHOWN)
N.T.S.



ELEVATION

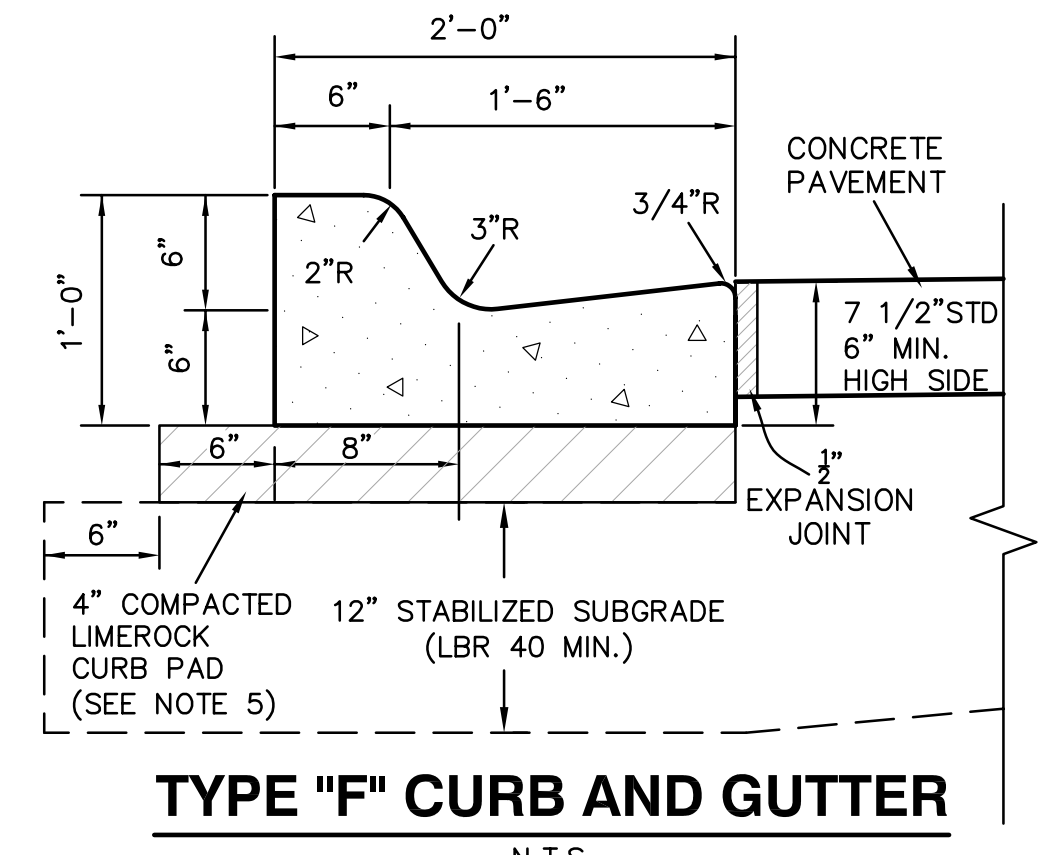


SECTION

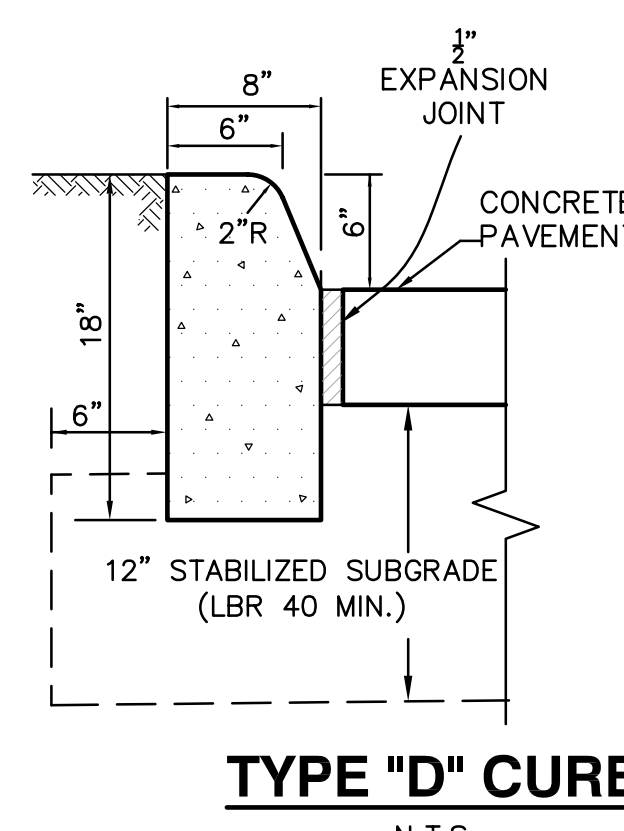


DUMPSTER DETAILS

SEE ARCHITECTURAL PLANS - SHOWN FOR GENERAL CONFIGURATION ONLY



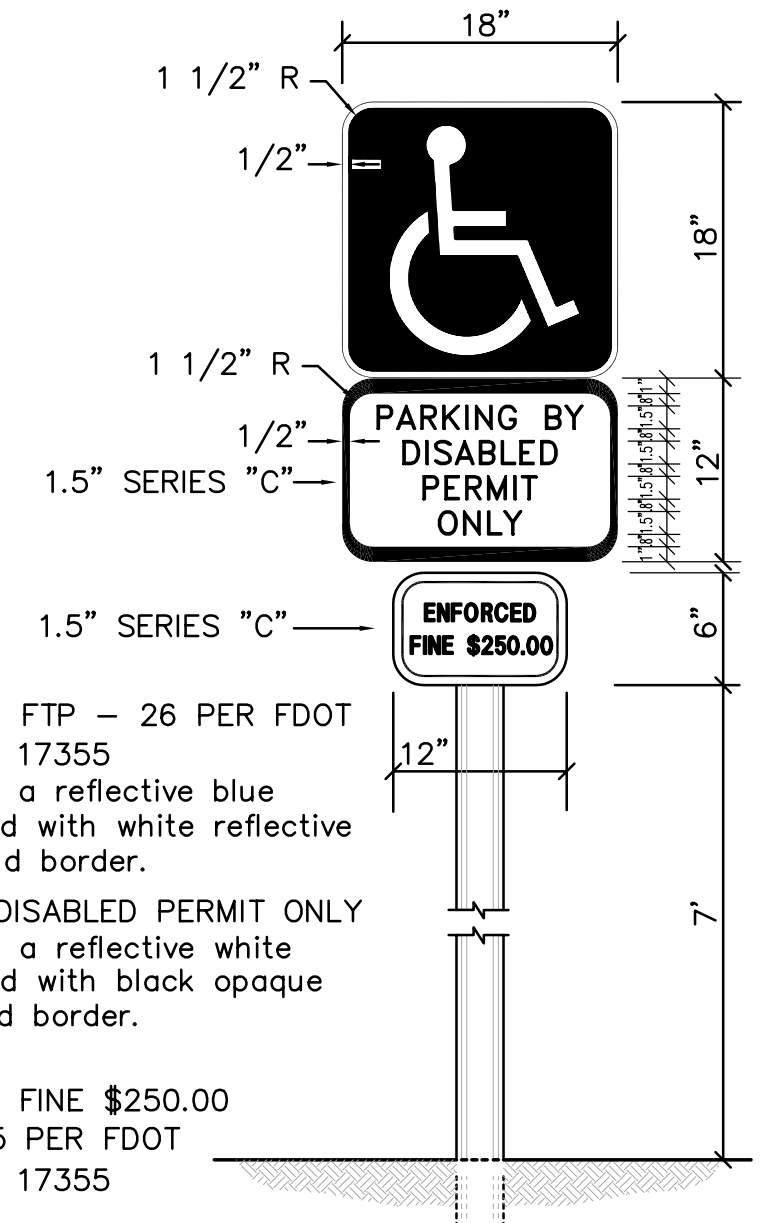
TYPE "F" CURB AND GUTTER
N.T.S.



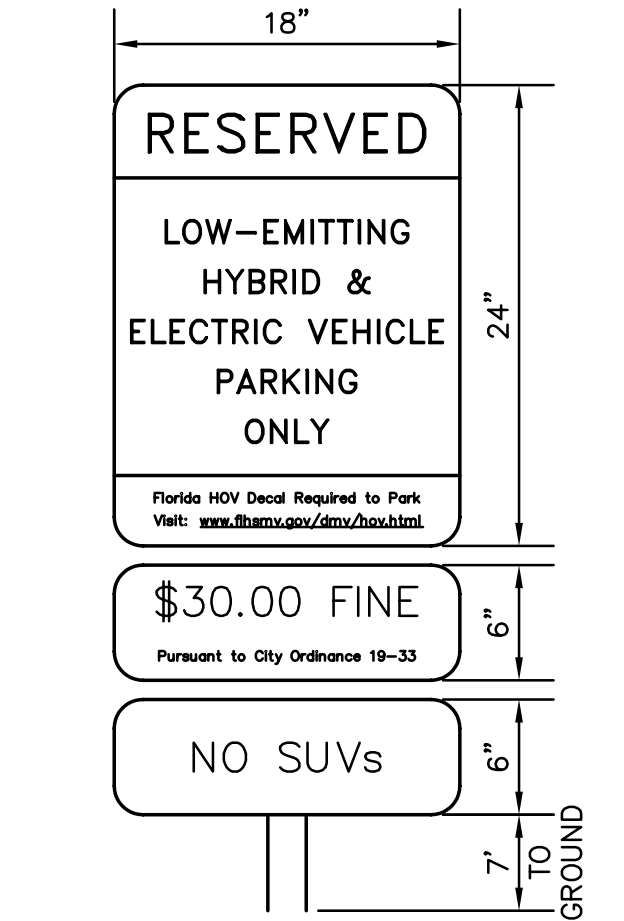
TYPE "D" CURB
N.T.S.

CURB NOTES:

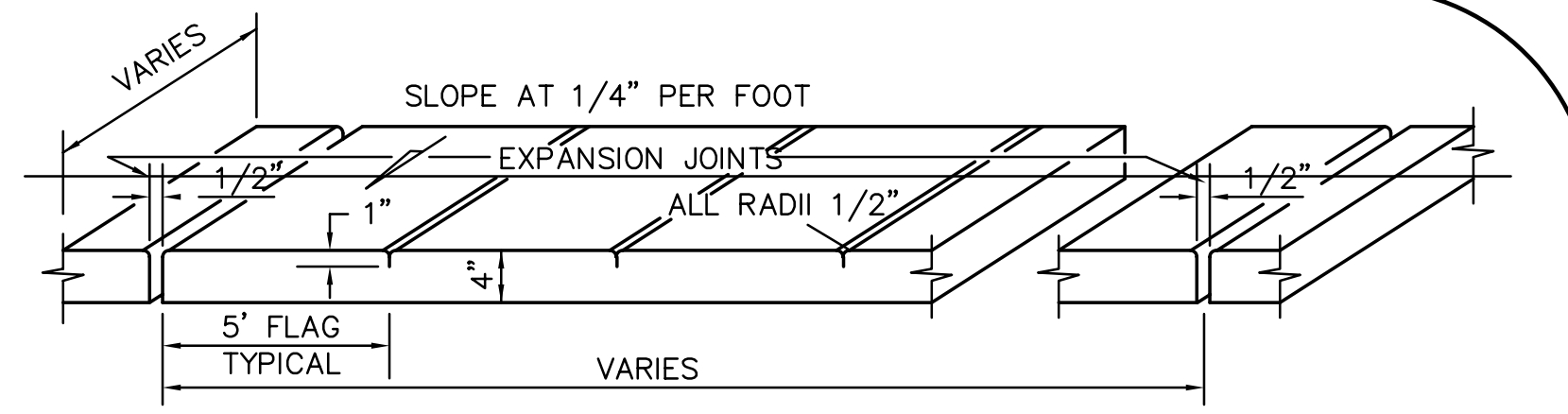
1. WHEN USED ON THE HIGH SIDE OF ROADWAYS, THE CROSS SLOPE OF TYPE "F" GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT.
2. PROVIDE 1/4" WIDE CONTRACTION JOINT A MINIMUM OF 1-1/2" DEEP AND AT 10' SPACING MAXIMUM FOR ALL CURBS.
3. CONCRETE SHALL BE 3000 P.S.I. MIN. @ 28 DAYS.
4. COST OF CURB PAD TO BE INCLUDED IN COST OF CURB.
5. COMPACT CURB PAD TO A DENSITY OF 98% OF AASHTO T-180 SPECIFICATION.
6. 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.



HANDICAP PARKING / VIOLATION SIGN DETAIL
F.D.O.T. INDEX NO. 17355 (4.6.4.)
N.T.S.



HYBRID VEHICLE PARKING SIGN DETAIL
N.T.S.

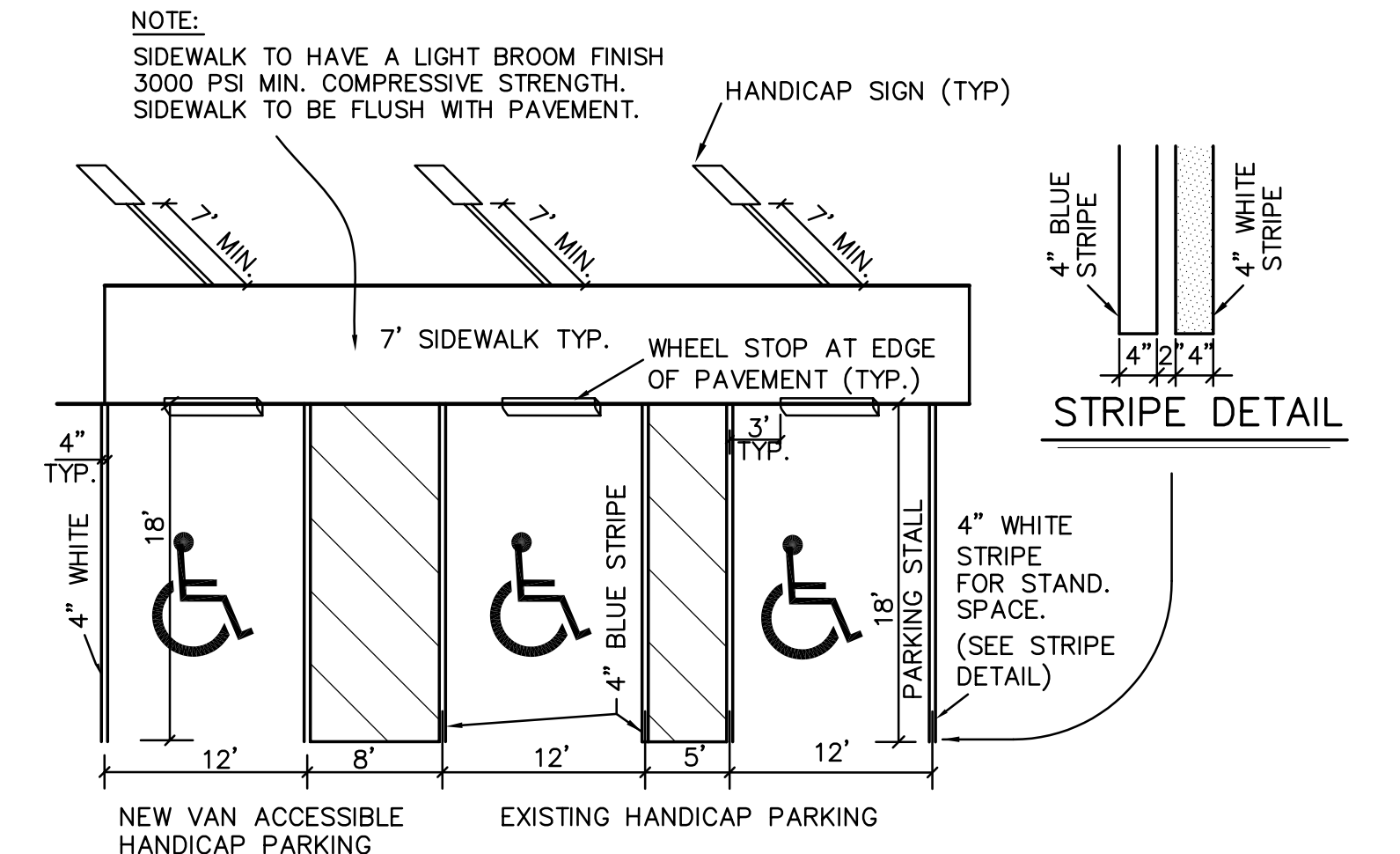


SIDEWALK NOTES

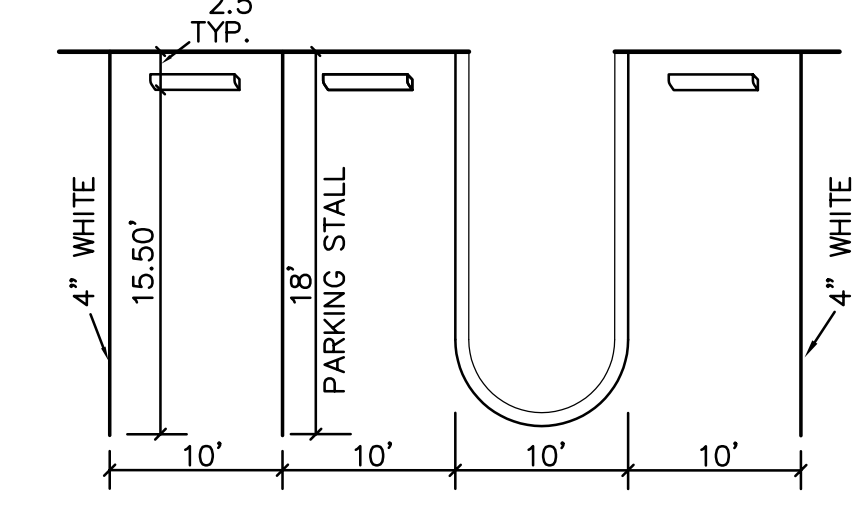
1. PROVIDE 1/8" CONTRACTION JOINTS AT 5' C-C, MINIMUM DEPTH 1/2"
2. PROVIDE 1/2" EXPANSION JOINTS WITH NON-RIISING FILLER TO RUN FULL DEPTH OF SLAB.
3. CONCRETE TO BE 3,000 PSI IN 28 DAYS MINIMUM.
4. CURE SIDEWALK WITH CLEAN SAND, PLASTIC MEMBRANE, COMPOUND OR OTHER APPROVED METHOD.
5. COMPACT SUBGRADE TO MINIMUM DRY DENSITY OF 98% (AASHTO T-180)
6. ALL SIDEWALK TO BE BROOM FINISHED.

SIDEWALK DETAIL

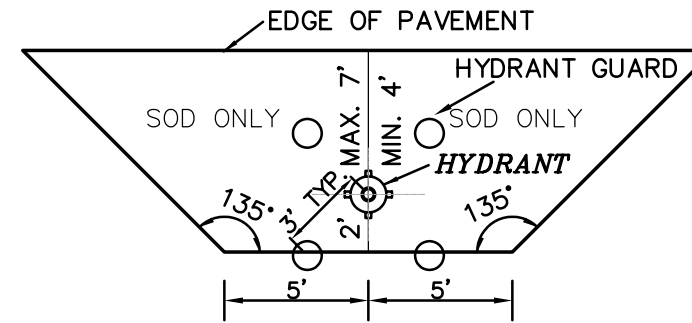
N.T.S.



HANDICAP PARKING DETAIL
N.T.S.



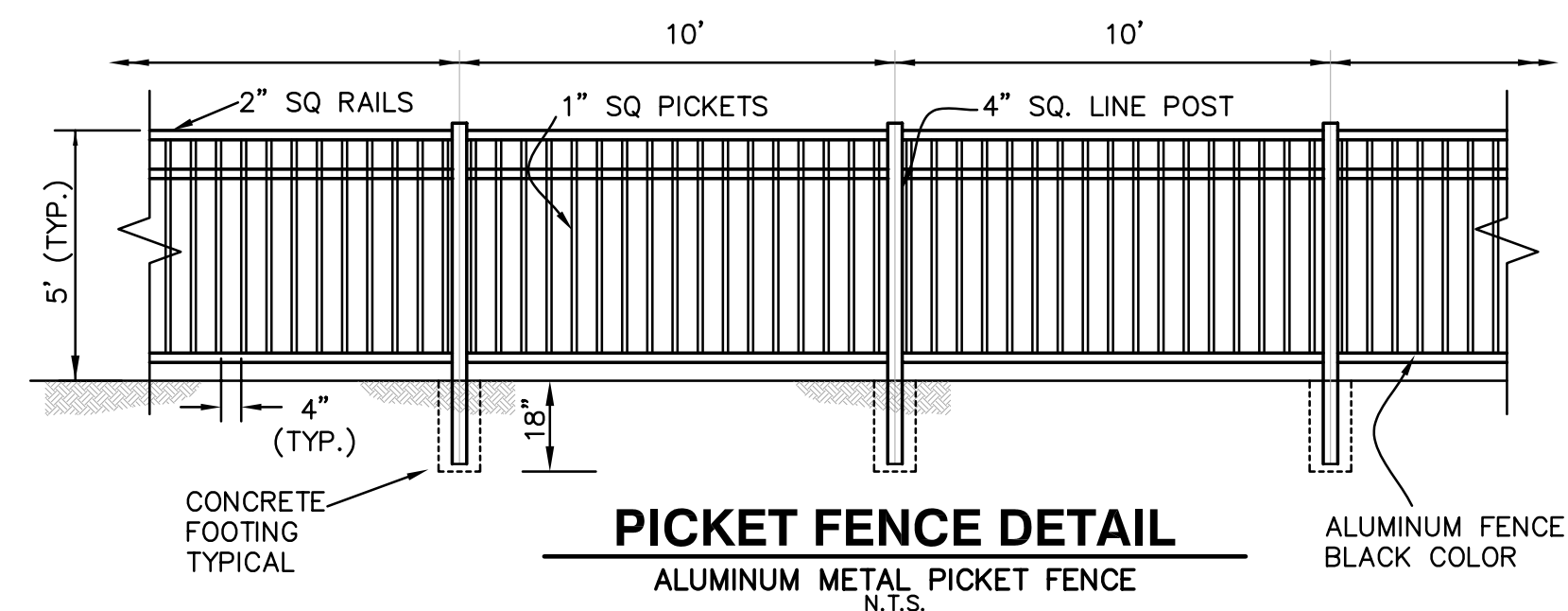
STANDARD PARKING DETAIL
N.T.S.



FIRE HYDRANT CLEAR ZONE DETAIL
N.T.S.

NOTE:

FIRE HYDRANT CLEAR ZONE REQUIREMENTS APPLY TO FIRE HYDRANTS, SIAMSE CONNECTIONS AND ANY OTHER FIRE EQUIPMENT FOR UTILIZING FIRE HOSE ON PUBLIC OR PRIVATE PROPERTY. BY AUTHORITY OF THE SOUTH FLORIDA PREVENTION CODE SECT. 5211.2. THE CLEAR ZONE SHALL BE FREE OF LANDSCAPE (EXCEPT SOD), MAILBOXES, PARKING, LAMP-POST AND ALL OTHER OBJECTS. EXCEPTIONS: OTHER FIRE FIGHTING EQUIPMENT OR TRAFFIC POST TO PROTECT FIRE FIGHTING EQUIPMENT.



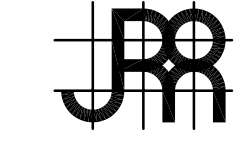
PICKET FENCE DETAIL
ALUMINUM METAL PICKET FENCE
N.T.S.

DEVELOPMENT SITE PLAN MODIFICATION
GUNTER VOLKSWAGEN
CITY OF COCONUT CREEK, FLORIDA

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PHONE: 954-590-3750

SITE PLAN AND CIVIL ENGINEERING:



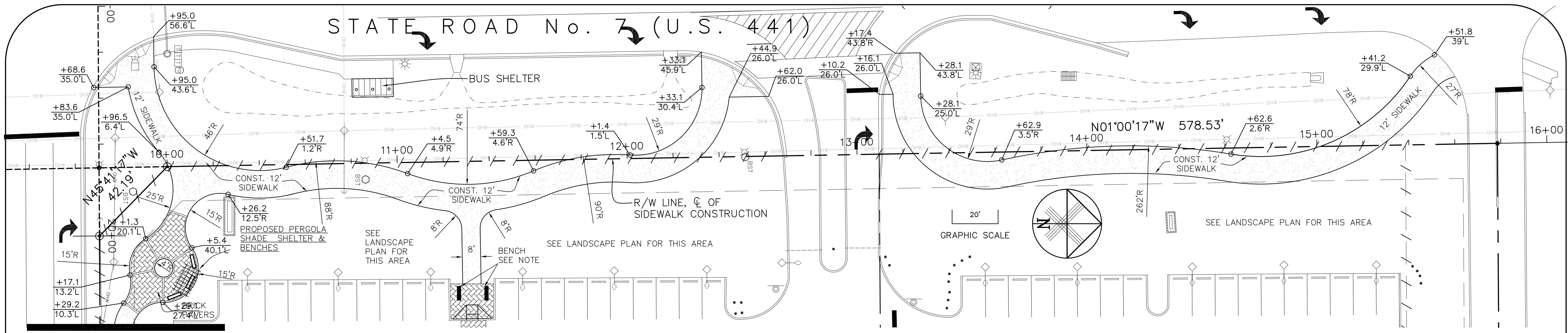
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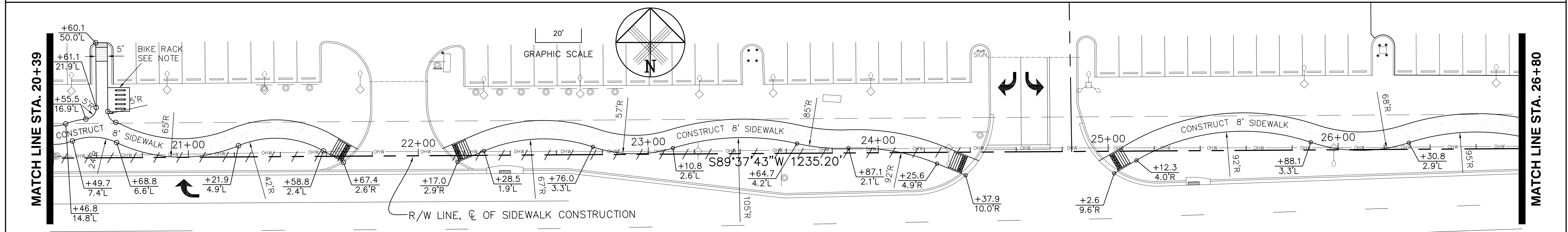
SHEET NO. 2
OF 4

REV 4-19-13
REV 1-22-13



MATCH LINE STA. 20+39

URBAN TRAVELWAY SIDEWALK FRONTAGE

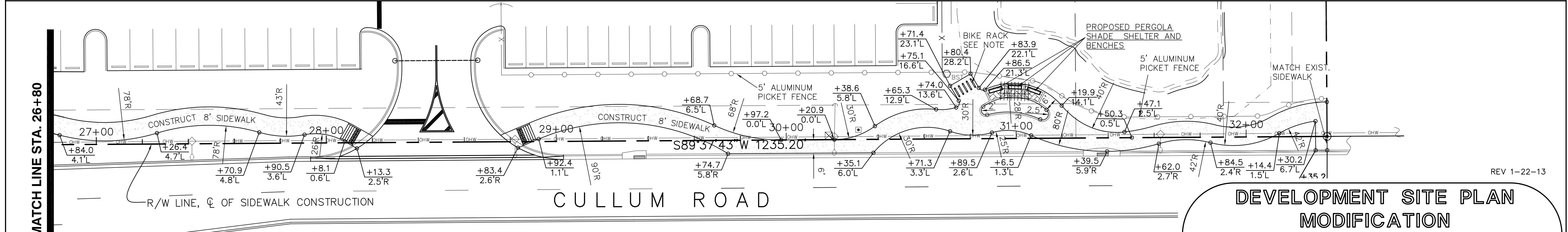


MATCH LINE STA. 20+39

MATCH LINE STA. 26+80

CULLUM ROAD

MAINSTREET THEME SIDEWALK FRONTAGE



MATCH LINE STA. 26+80

CULLUM ROAD

MAINSTREET THEME SIDEWALK FRONTAGE

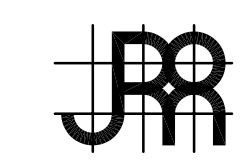
NOTE:

1. SEE ARCHITECTURAL SHEET A-6.6 FOR SPECIFICATIONS FOR ALL SITE AMENITIES

REV 1-22-13

**DEVELOPMENT SITE PLAN
MODIFICATION
GUNTHER VOLKSWAGEN
CITY OF COCONUT CREEK, FLORIDA**

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

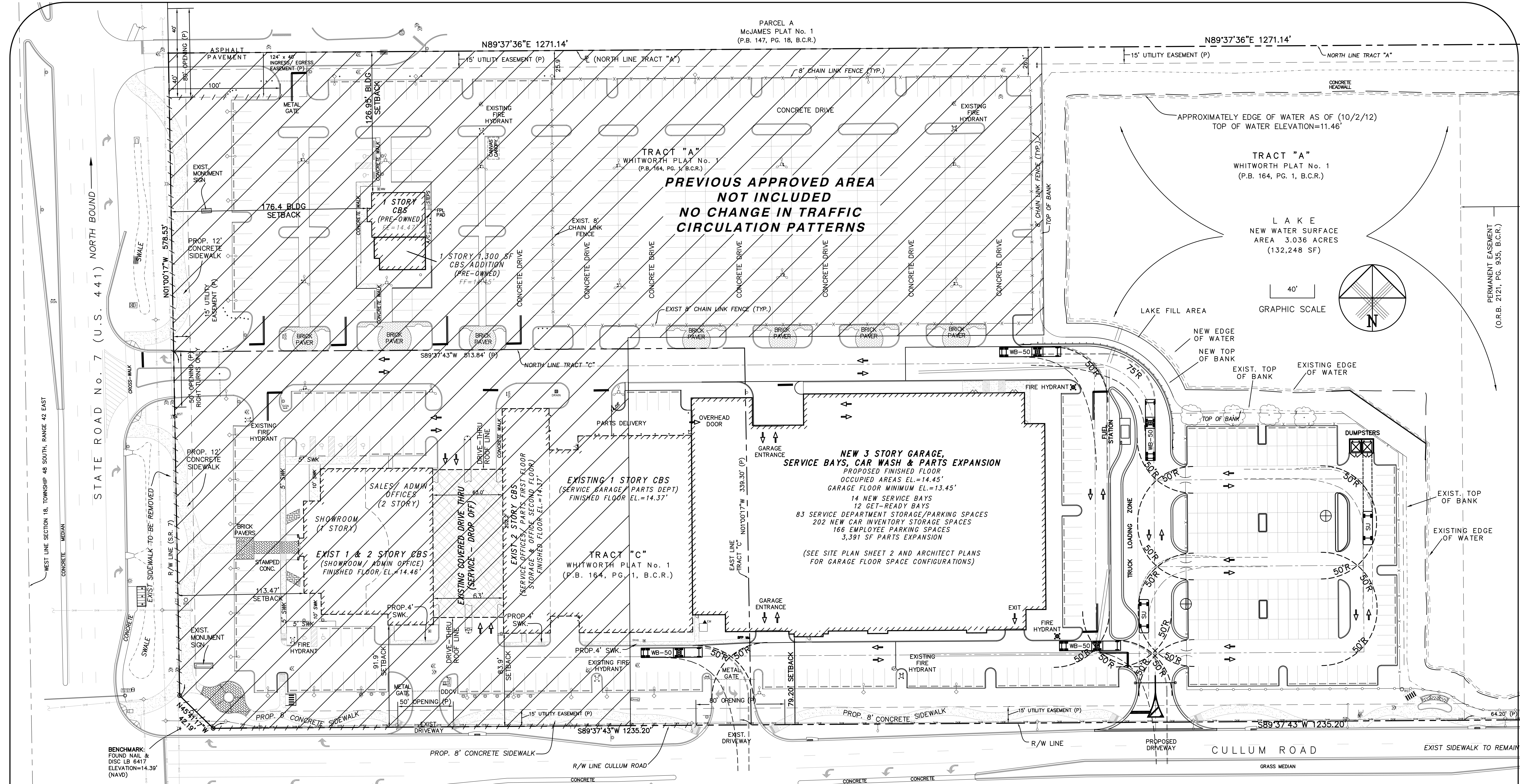


SITE PLAN AND CIVIL ENGINEERING:
JOSEPH ROLES AND ASSOC., INC.
CONSULTING ENGINEERS
7501 N.W. 4th STREET, SUITE 101
PLANTATION, FLORIDA 33317
PHONE: (954) 581-1945
CERTIFICATE OF AUTHORIZATION NO. 3948

PROJECT NO.
111-511-01

SHEET NO. 3
OF 4

JOSEPH W. ROLES, JR., P.E.
REG. ENGINEER NO. 16965



**PREVIOUS APPROVED AREA
NOT INCLUDED
NO CHANGE IN TRAFFIC
CIRCULATION PATTERNS**

**NEW 3 STORY GARAGE,
SERVICE BAYS, CAR WASH & PARTS EXPANSION**
PROPOSED FINISHED FLOOR
OCCUPIED AREAS EL.=14.45'
GARAGE FLOOR MINIMUM EL.=13.45'
14 NEW SERVICE BAYS
12 GET-READY BAYS
83 SERVICE DEPARTMENT STORAGE/PARKING SPACES
202 NEW CAR INVENTORY STORAGE SPACES
166 EMPLOYEE PARKING SPACES
3,391 SF PARTS EXPANSION
(SEE SITE PLAN SHEET 2 AND ARCHITECT PLANS
FOR GARAGE FLOOR SPACE CONFIGURATIONS)

**DEVELOPMENT SITE PLAN
MODIFICATION
GUNTHER VOLKSWAGEN
CITY OF COCONUT CREEK, FLORIDA**

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

SITE PLAN AND CIVIL ENGINEERING:
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

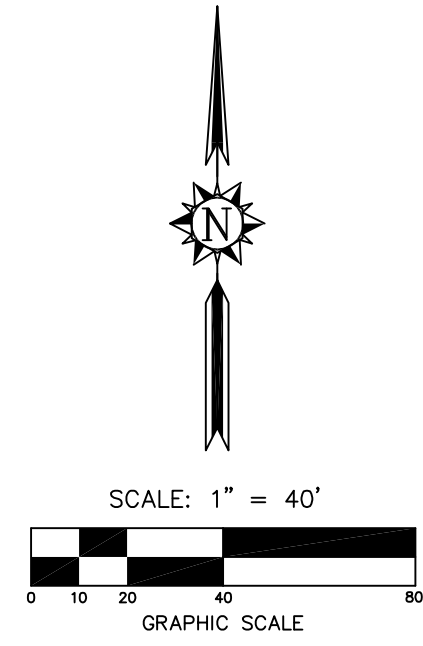
PROJECT NO.
111-511-01

JOSEPH W. ROLES, JR. P.E.
REG. ENGINEER NO. 16965

SHEET NO. 4
OF 4

TRUCK MOVEMENT PLAN

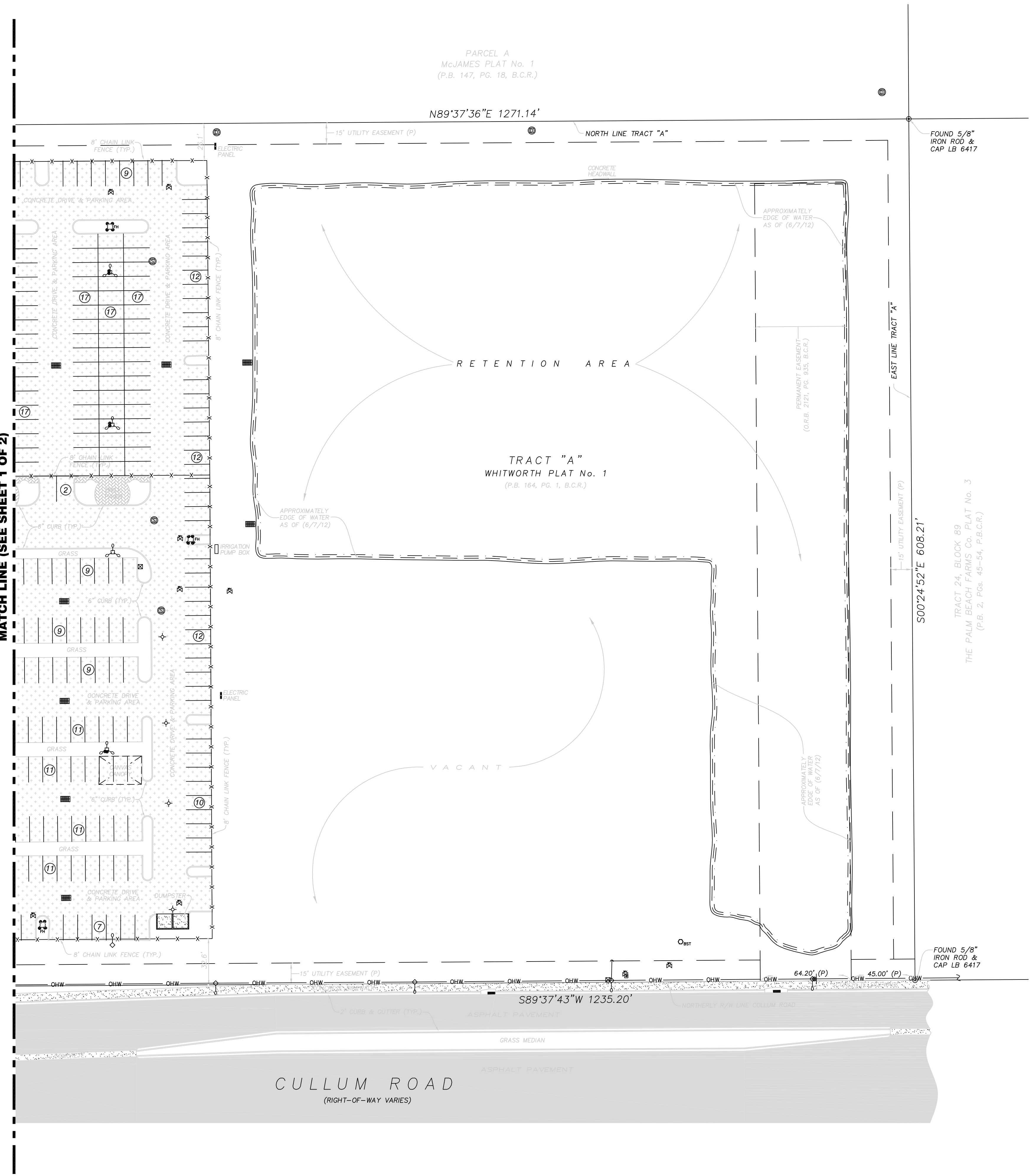
REV 4-19-13



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
CL.F.	CHAIN LINK FENCE
C	CENTERLINE
(P)	PER PLAT
(TYP.)	TYPICAL
R/W	RIGHT-OF-WAY
IN.V.	INVEST
EL.	ELEVATION
F.F.E.	FINISHED FLOOR ELEVATION
FPL	FLORIDA POWER & LIGHT
A/C	AIR CONDITIONING UNIT/SLAB
F.D.O.T.	FLORIDA DEPARTMENT OF TRANSPORTATION
DOBLE	DOUBLE SUPPORT SIGN
CURB	CURB INLET
CONC. L.P.	CONCRETE LIGHT POLE
F.F.C.M.	FIBER OPTIC CABLE MARKER
W.P.B.	WIRE PULL BOX
SIGN	SIGN
S.V.	SEWER VALVE
W.V.	WATER VALVE
S.S.M.	SANITARY SEWER MANHOLE
A.O.R.	ANCHOR OR GUY WIRE
IR.B.	IRRIGATION BOX
B.P.P.	BACKFLOW PREVENTER
D.D.C.V.	DOUBLE DETECTOR CHECK VALVE
F.H.	FIRE HYDRANT
G.P.	GUARD POST
C.P.P.	CONCRETE POWER POLE
E.M.	ELECTRIC METER
T.R.	TELEPHONE RISER
G.T.M.	GREASE TRAP MANHOLE
P.L.	PEDESTRIAN LIGHT
W.M.	WATER METER
W.P.P.	WOOD POWER POLE
S.D.M.	STORM DRAINAGE MANHOLE
T.S.B.	TRAFFIC SIGNAL BOX
Y.D.	YARD DRAIN
C.O.	CLEAN OUT
C.I.	CURB INLET
C.L.F.	CHAIN LINK FENCE
N.V.A.L.	NON-VEHICULAR ACCESS LINE
E.S.E.	EXISTING SURFACE ELEVATION
H.S.	HANDICAPPED SPACE
12	NUMBER OF PARKING SPACES
ASPH.	ASPHALT PAVEMENT
CONC.	CONCRETE DRIVE

MATCH LINE (SEE SHEET 1 OF 2)



FILE: C:\Users\nichela\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Outlook\T169191W\12-7798_Gunther Motor Co.dwg

DATE OF FIELD SURVEY: 6/21/12		DATE BY: _____	
DRAWN: DRL		REVISION NO. _____	
CHECKED: RGC		NO. _____	
FIELD BOOK: _____		NO. _____	
FIELD DATA COLLECTOR: _____		NO. _____	
<p>PROJECT: 12-7798</p> <p>SHEET NO. 2 OF 2</p>			
<p>SKETCH OF BOUNDARY AND LIMITED TOPOGRAPHIC SURVEY OF: GUNTHER VOLKSWAGEN 4300 N STATE ROAD 7 CITY OF COCONUT CREEK, BROWARD COUNTY, FLORIDA</p>			
<p>STONER & ASSOCIATES, Inc. SURVEYORS - MAPPERS Florida Licensed Survey No. 6633 and Mapping Business No. 6633 4341 S.W. 62nd AVENUE TOWN OF DAVIE, FLORIDA 33314</p>			
<p>TEL (954) 585-0897 FAX (954) 585-3927</p>			
<p>THE MATERIAL SUBMITTED IS THE PROPERTY OF STONER & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF STONER & ASSOCIATES, INC. COPYRIGHT © 2012</p>			

THIS INSTRUMENT WAS PREPARED BY: WAYNE LARRY FISH IN THE OFFICES OF
W.L.FISH & COMPANY
PROFESSIONAL SURVEYORS
105 S. Narcoosus Ave., Suite 412
West Palm Beach, Florida 33401
(561)833-5001 Fax: (561)859-8745

WHITWORTH PLAT NO. 1

BEING A REPLAT OF A PORTION OF TRACTS 22 & 23, BLOCK 89 OF THE PALM BEACH FARMS COMPANY PLAT NO. 3, AS RECORDED IN PLAT BOOK 2, PAGES 45 THROUGH 54, INCLUSIVE, OF THE PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA, SAID LANDS LYING AND BEING IN THE CITY OF COCONUT CREEK, BROWARD COUNTY, FLORIDA SECTION 18, TOWNSHIP 48 SOUTH, RANGE 42 EAST

DEDICATION

KNOW ALL MEN BY THESE PRESENTS THAT JOSEPHINE M. WHITWORTH, AN INDIVIDUAL, OWNER OF THE LANDS TO BE SUBDIVIDED AND PLATTED AS SHOWN HEREON, SAID PLAT TO BE KNOWN AS "WHITWORTH PLAT NO. 1", A REPLAT THE FOLLOWING ITEMS OF DEDICATION ARE INCORPORATED HEREIN:

- TRACT "B", THE ADDITIONAL RIGHT-OF-WAY FOR CULLUM ROAD, AS SHOWN HEREON, IS HEREBY DEDICATED TO THE PUBLIC IN FEE SIMPLE FOR PROPER PURPOSES.
- THE UTILITY EASEMENTS AND THE 40' BY 124' INGRESS/EGRESS EASEMENT AS SHOWN HEREON ARE HEREBY DEDICATED TO THE PUBLIC FOR PROPER PURPOSES.

IN WITNESS WHEREOF, I, JOSEPHINE M. WHITWORTH DO, HEREUNTO SET MY HAND AND SEAL THIS 8th DAY OF December, 1995.

WITNESS: Ruth W Barrett BY: Josephine M. Whitworth
Nancy K. Butler JOSEPHINE M. WHITWORTH
Nancy K. Butler

ACKNOWLEDGEMENT

I HEREBY CERTIFY THAT ON THIS DAY PERSONALLY APPEARED BEFORE ME, AN OFFICER DULY AUTHORIZED TO ADMINISTER OATHS AND TAKE ACKNOWLEDGEMENTS, JOSEPHINE M. WHITWORTH, TO ME WELL KNOWN, WHO EXECUTED THE FOREGOING INSTRUMENT AND ACKNOWLEDGED THE EXECUTION THEREOF TO BE HER FREE ACT AND DEED FOR THE PURPOSES THEREIN DESCRIBED. WITNESS MY HAND AND OFFICIAL SEAL THIS 8th DAY OF December, 1995.

Jan 10th 1997 MY COMMISSION EXPIRES
Nora Kavashansky
 NOTARY PUBLIC - STATE OF FLORIDA
 OFFICIAL NOTARY SEAL
 NORA KAVASHANSKY
 NOTARY PUBLIC STATE OF FLORIDA
 COMMISSION NO. CC25191
 MY COMMISSION EXP. JAN. 10, 1997

CITY OF COCONUT CREEK PLANNING AND ZONING BOARD:

THIS IS TO CERTIFY THAT THIS PLAT HAS BEEN APPROVED BY THE PLANNING AND ZONING BOARD OF THE CITY OF COCONUT CREEK, FLORIDA, THIS 14th DAY OF June, A.D. 1995.

James Sief
 CHAIRMAN

CITY COMMISSION:

THIS IS TO CERTIFY THAT THIS PLAT HAS BEEN APPROVED FOR RECORD BY THE CITY COMMISSION OF THE CITY OF COCONUT CREEK BY ORDINANCE NO. 131-95, ADOPTED THIS 24th DAY OF August, A.D., 1995, PURSUANT TO SECTION 13-166, COCONUT CREEK CODE OF ORDINANCES.

Angela A. Bender
 CITY CLERK

CITY ENGINEER:

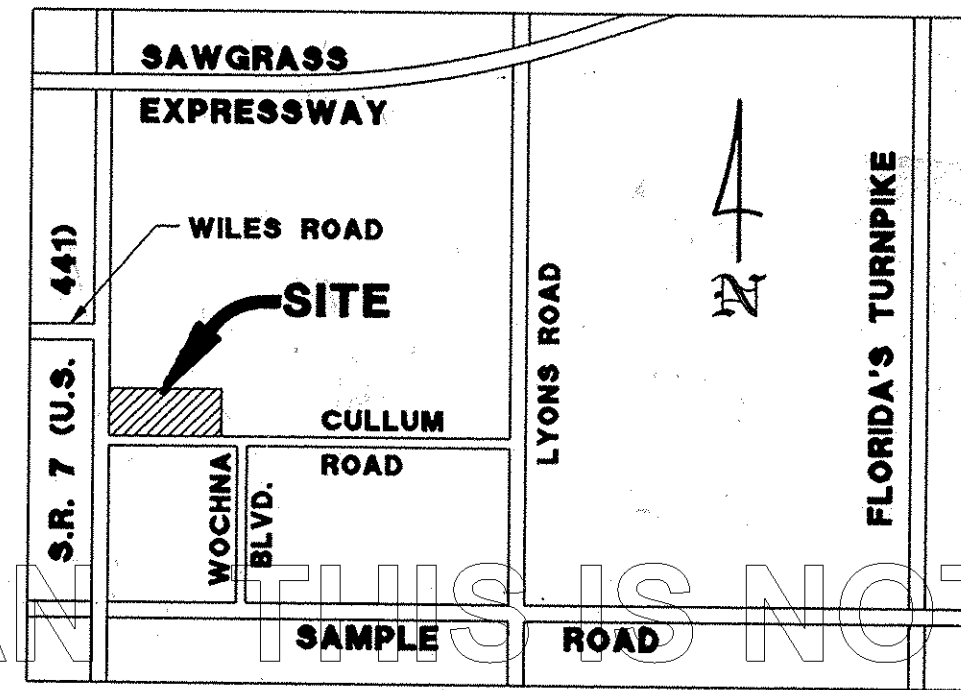
THIS PLAT IS HEREBY APPROVED FOR RECORD THIS 21ST DAY OF OCTOBER, A.D. 1995.

Paula Normano
 CITY ENGINEER
 FLORIDA P.E. REG. NO. 48833

SURVEYORS CERTIFICATE

I HEREBY CERTIFY THAT THE ATTACHED PLAT IS A TRUE AND CORRECT REPRESENTATION OF THE LAND RECENTLY SURVEYED, SUBDIVIDED AND PLATTED UNDER MY RESPONSIBLE DIRECTION AND SUPERVISION, THAT THE SURVEY DATA SHOWN CONFORMS TO THE APPLICABLE REQUIREMENTS OF CHAPTER 177, FLORIDA STATUTES, AND WITH THE APPLICABLE SECTIONS OF CHAPTER 61G17-6, FLORIDA ADMINISTRATIVE CODE. THE PERMANENT REFERENCE MONUMENTS WERE SET IN ACCORDANCE WITH SECTION 177.091 OF SAID CHAPTER 177. THE BENCHMARKS SHOWN ARE REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM (N.G.V.D.) OF 1929 IN CONFORMITY WITH STANDARDS ADOPTED BY THE NATIONAL OCEAN SURVEY FOR THIRD ORDER CONTROL STANDARDS.

BY: Wayne L. Fish 12/07/95
 WAYNE LARRY FISH DATE
 PROFESSIONAL SURVEYOR AND MAPPER NO. 3238
 STATE OF FLORIDA



LEGAL DESCRIPTION

TRACTS 22 AND 23 OF BLOCK 89 OF PALM BEACH FARMS COMPANY PLAT NO. 3, ACCORDING TO THE PLAT THEREOF, RECORDED IN PLAT BOOK 2, AT PAGES 45 THROUGH 54, INCLUSIVE, OF THE PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA, SAID LANDS SITUATE, LYING AND BEING IN BROWARD COUNTY, FLORIDA,

LESS AND EXCEPTING THEREFROM THAT CERTAIN PARCEL DESCRIBED IN OFFICIAL RECORD BOOK 17902, AT PAGE 363, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA, BEING ALL THAT PART OF THE ABOVE DESCRIBED PARCEL LYING WITHIN THE FOLLOWING DESCRIBED PARCEL:

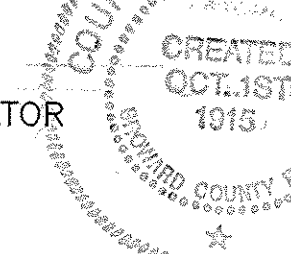
BEGIN AT THE SOUTHWEST CORNER OF SECTION 18, TOWNSHIP 48 SOUTH, RANGE 42 EAST, BROWARD COUNTY, FLORIDA, THENCE N00°59'59"W A DISTANCE OF 4586.70 FEET ALONG THE WEST LINE OF SAID SECTION 18; THENCE N89°00'01"E A DISTANCE OF 69.27 FEET; THENCE N89°37'54"E A DISTANCE OF 13.73 FEET; THENCE S00°59'59"E A DISTANCE OF 171.85 FEET; THENCE S89°24'34"E A DISTANCE OF 170.82 FEET; THENCE S00°59'59"E A DISTANCE OF 166.07 FEET TO THE BEGINNING OF A CURVE CONCAVE WESTERLY; THENCE SOUTHERLY AND WESTERLY ALONG SAID CURVE, HAVING A RADIUS OF 325.00 FEET, THROUGH A CENTRAL ANGLE OF 28°30'32", AN ARC DISTANCE OF 161.71 FEET TO THE END OF SAID CURVE; THENCE S27°30'33"W A DISTANCE OF 100.00 FEET TO THE BEGINNING OF A CURVE CONCAVE EASTERLY; THENCE SOUTHERLY ALONG SAID CURVE, HAVING A RADIUS OF 271.00 FEET, THROUGH A CENTRAL ANGLE OF 28°30'32", AN ARC DISTANCE OF 134.84 FEET TO THE END OF SAID CURVE; THENCE S00°59'59"E A DISTANCE OF 1201.61 FEET; THENCE S89°00'01"W A DISTANCE OF 4.95 FEET; THENCE S00°59'59"E A DISTANCE OF 90.00 FEET; THENCE N89°00'01"E A DISTANCE OF 4.95 FEET; THENCE S00°59'59"E A DISTANCE OF 757.38 FEET TO THE BEGINNING OF A CURVE CONCAVE EASTERLY; THENCE SOUTHERLY ALONG SAID CURVE, HAVING A RADIUS OF 4228.28 FEET, THROUGH A CENTRAL ANGLE OF 06°40'00", AN ARC DISTANCE OF 491.98 FEET TO THE END OF SAID CURVE; THENCE S07°39'59"E A DISTANCE OF 274.72 FEET TO THE BEGINNING OF A CURVE CONCAVE WESTERLY; THENCE SOUTHERLY ALONG SAID CURVE, HAVING A RADIUS OF 4402.28 FEET, THROUGH A CENTRAL ANGLE OF 06°40'00", AN ARC DISTANCE OF 512.23 FEET TO THE END OF SAID CURVE; THENCE S00°59'59"E A DISTANCE OF 205.01 FEET TO THE BEGINNING OF A CURVE CONCAVE NORTHEASTERLY; THENCE SOUTHEASTERLY ALONG SAID CURVE, HAVING A RADIUS OF 235.00 FEET, THROUGH A CENTRAL ANGLE OF 88°27'15", AN ARC DISTANCE OF 362.80 FEET TO THE END OF SAID CURVE; THENCE S89°27'14"E A DISTANCE OF 95.91 FEET; THENCE S89°56'02"E A DISTANCE OF 688.84 FEET TO THE BEGINNING OF A CURVE CONCAVE NORTHERLY; THENCE NORTHEASTERLY ALONG SAID CURVE, HAVING A RADIUS OF 271.00 FEET, THROUGH A CENTRAL ANGLE OF 26°08'29", AN ARC DISTANCE OF 123.65 FEET TO THE END OF SAID CURVE; THENCE S07°35'29"E A DISTANCE OF 99.99 FEET TO THE BEGINNING OF A CURVE CONCAVE SOUTHERLY; THENCE EASTERLY ALONG SAID CURVE, HAVING A RADIUS OF 325.00 FEET, THROUGH A CENTRAL ANGLE OF 26°37'17", AN ARC DISTANCE OF 151.01 FEET TO THE END OF SAID CURVE; THENCE S89°27'14"E A DISTANCE OF 142.00 FEET; THENCE S01°24'55"E A DISTANCE OF 133.83 FEET; THENCE S89°27'14"E A DISTANCE OF 901.66 FEET; THENCE S00°32'46"W A DISTANCE OF 100.00 FEET TO A POINT ON THE SOUTH LINE OF SAID SECTION 18; THENCE N89°27'14"W A DISTANCE OF 2636.74 FEET TO THE POINT OF BEGINNING.

AND ALSO LESS THE ADDITIONAL RIGHT-OF-WAY FOR CULLUM ROAD, AS SHOWN HEREON, PER WARRANTY DEED RECORDED IN OFFICIAL RECORD BOOK 20278, PAGE 0876 OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA. MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BROWARD COUNTY FINANCE AND ADMINISTRATIVE SERVICES DEPARTMENT - COUNTY RECORDS DIVISION - MINUTES SECTION

THIS IS TO CERTIFY THAT THIS PLAT COMPLIES WITH THE PROVISIONS OF CHAPTER 177, FLORIDA STATUTES, AND WAS ACCEPTED FOR RECORD BY THE BOARD OF COUNTY COMMISSIONERS OF BROWARD COUNTY, FLORIDA, THIS 21ST DAY OF JANUARY, 1997.

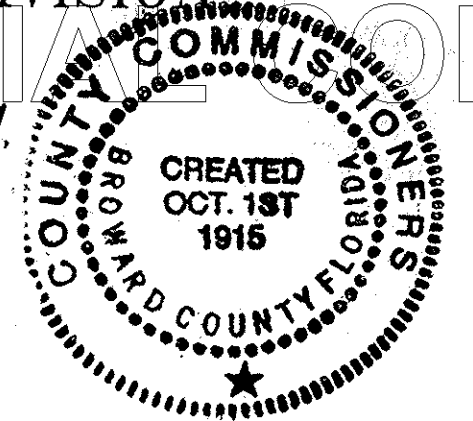
ATTEST: PHILLIP C. ALLEN
 ACTING COUNTY ADMINISTRATOR
 BY: Alvin T. O'Ryan
 DEPUTY
 BY: [Signature]
 CHAIR, COUNTY COMMISSION



BROWARD COUNTY FINANCE AND ADMINISTRATIVE SERVICES DEPARTMENT - COUNTY RECORDS DIVISION - RECORDING SECTION

THIS PLAT WAS FILED FOR RECORD THIS 7th DAY OF NOVEMBER, A.D., 1997 AND RECORDED IN PLAT BOOK _____, PAGE _____, RECORD VERIFIED.

ATTEST: PHILLIP C. ALLEN
 ACTING COUNTY ADMINISTRATOR
 BY: Bened Andrew
 DEPUTY



BROWARD COUNTY DEPARTMENT OF STRATEGIC PLANNING AND GROWTH MANAGEMENT

THIS PLAT IS HEREBY ACCEPTED FOR RECORD.

BY: [Signature] DIRECTOR
 DATE: 10-20-97

BROWARD COUNTY PLANNING COUNCIL

THIS IS TO CERTIFY THAT THE BROWARD COUNTY PLANNING COUNCIL APPROVED THIS PLAT SUBJECT TO ITS COMPLIANCE WITH DEDICATION OF RIGHTS-OF-WAY FOR TRAFFIC-WAYS THIS 31 DAY OF August, A.D., 1995.

BY: [Signature] CHAIRPERSON
 DATE: 8-25-96

THIS PLAT COMPLIES WITH THE APPROVAL OF THE BROWARD COUNTY PLANNING COUNCIL OF THE ABOVE DATE AND IS APPROVED AND ACCEPTED FOR RECORDING THIS 17th DAY OF October, 1997.

BY: [Signature]
 ADMINISTRATOR OR DESIGNEE

BROWARD COUNTY ENGINEERING DIVISION

THIS PLAT IS HEREBY APPROVED AND ACCEPTED FOR RECORD.

BY: Henry P. Cook 10-30-97 DATE
 HENRY P. COOK DIRECTOR OF ENGINEERING
 FLA. P.E. REG. NO. 12506
 BY: Emilio V. Llufrico DATE 10-16-97
 EMILIO V. LLUFRIKO COUNTY SURVEYOR
 FLA. P.L.S. NO. 4429

A PARCEL OF LAND IN TRACTS 22 AND 23, BLOCK 89, PALM BEACH FARMS COMPANY PLAT NO. 3, AS RECORDED IN PLAT BOOK 2, PAGES 45 THROUGH 54 OF THE PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA (NOW BROWARD COUNTY, FLORIDA), LYING IN SECTION 18, TOWNSHIP 48 SOUTH, RANGE 42 EAST AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE EAST 1/4 CORNER OF SECTION 13, TOWNSHIP 48 SOUTH, RANGE 41 EAST; THENCE NORTH 01°00'17" WEST ALONG THE EAST LINE OF SAID SECTION 13, ALSO BEING THE BASELINE OF SURVEY FOR STATE ROAD 7, A DISTANCE OF 1,135.61 FEET TO A POINT ON THE BASELINE OF SURVEY FOR CULLUM ROAD; THENCE NORTH 89°37'43" EAST, ALONG SAID BASELINE OF SURVEY OF CULLUM ROAD, A DISTANCE OF 133.56 FEET; THENCE NORTH 00°22'17" WEST, A DISTANCE OF 17.83 FEET TO THE POINT OF BEGINNING; THENCE NORTH 01°00'17" WEST, A DISTANCE OF 52.18 FEET; THENCE NORTH 89°37'43" EAST, A DISTANCE OF 1,264.87 FEET; THENCE SOUTH 00°24'52" EAST ALONG THE EASTERLY LINE OF SAID TRACT 23, A DISTANCE OF 52.11 FEET TO A POINT ON THE NORTHERLY EXISTING RIGHT-OF-WAY LINE FOR CULLUM ROAD; THENCE SOUTH 89°37'33" WEST ALONG SAID RIGHT-OF-WAY LINE, A DISTANCE OF 1,264.33 FEET TO THE POINT OF BEGINNING.

CONTAINING 1.514 ACRES MORE OR LESS.
 SAID LANDS SITUATE, LYING AND BEING IN THE CITY OF COCONUT CREEK, BROWARD COUNTY, FLORIDA.
 CONTAINING 771,187 SQUARE FEET OR 17.704 ACRES, MORE OR LESS.

NOTARY PUBLIC	CITY COUNCIL	CITY ENGINEER	PROFESSIONAL SURVEYOR & MAPPER	COUNTY SURVEYOR	COUNTY ENGINEER	COUNTY COMMISSION
OFFICIAL NOTARY SEAL NORA KAVASHANSKY NOTARY PUBLIC STATE OF FLORIDA COMMISSION NO. CC25191 MY COMMISSION EXP. JAN. 10, 1997	OK	PAUL A. NORMANO CITY ENGINEER FLORIDA P.E. REG. NO. 48833	WAYNE L. FISH PROFESSIONAL SURVEYOR & MAPPER NO. 3238 STATE OF FLORIDA	EMILIO V. LLUFRIKO COUNTY SURVEYOR FLA. P.L.S. NO. 4429	[Seal]	[Seal]

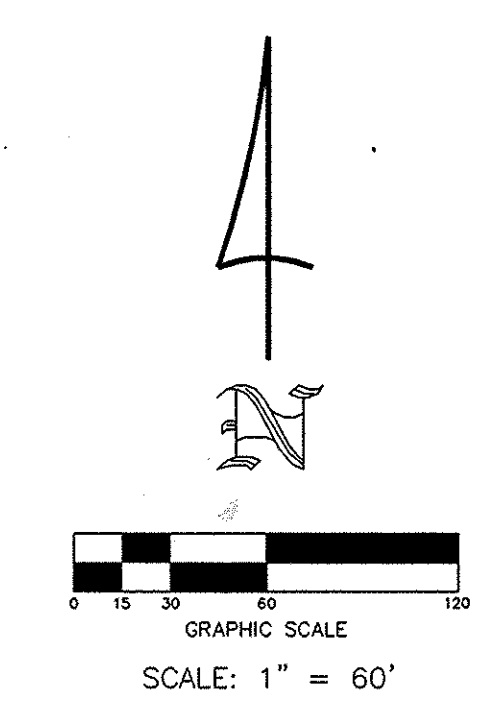
11/7/97 08:44AM
CRB 27249 pg 117

THIS INSTRUMENT WAS PREPARED BY: WAYNE LARRY FISH IN THE OFFICES OF
W.L.FISH & COMPANY
 PROFESSIONAL SURVEYORS
 105 S. Narcissus Ave., Suite 412
 West Palm Beach, Florida 33401
 (561)833-5001 Fax: (561)659-6745

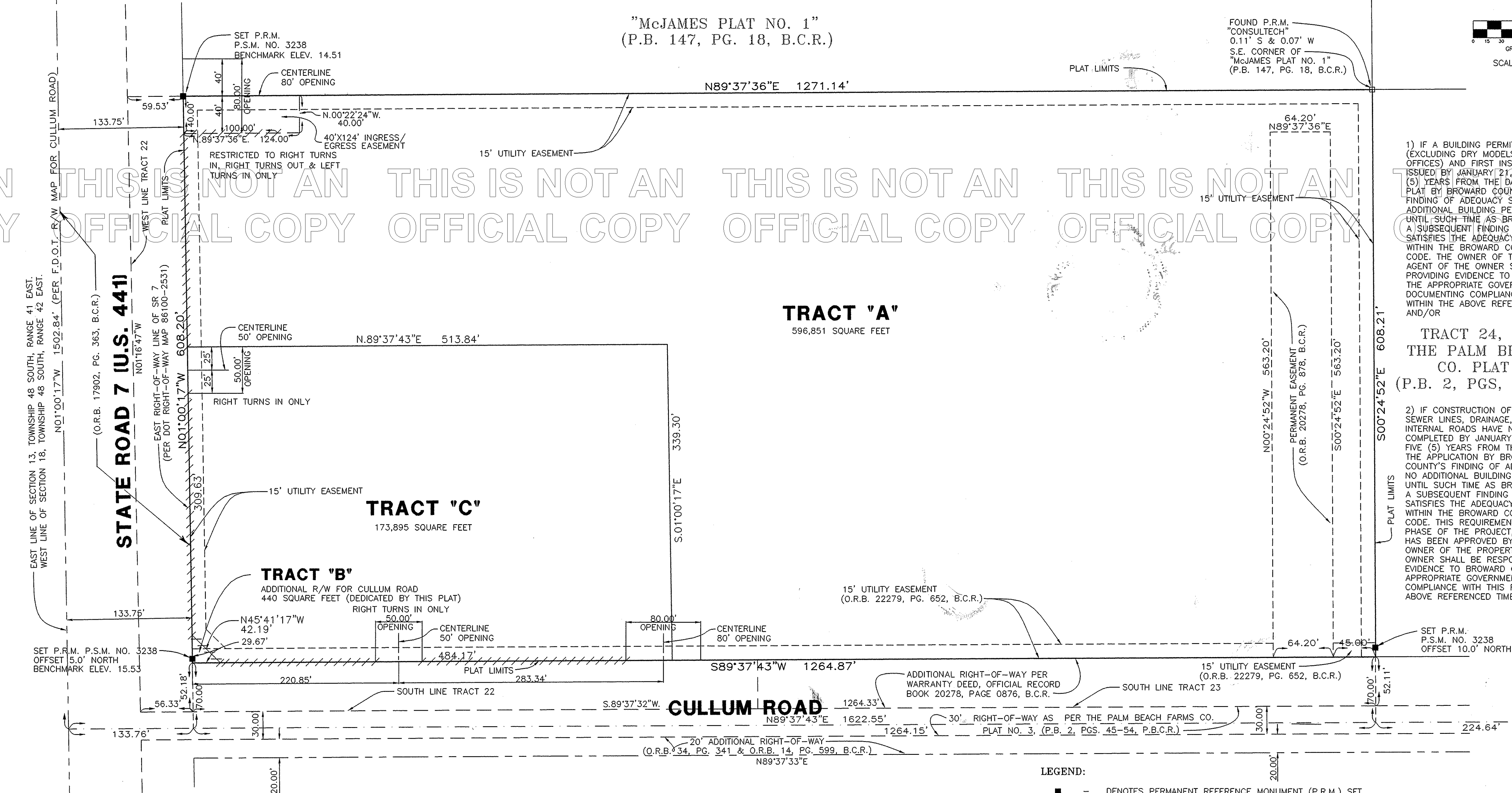
WHITWORTH PLAT NO. 1

BEING A REPLAT OF A PORTION OF TRACTS 22 & 23, BLOCK 89 OF THE PALM BEACH FARMS COMPANY PLAT NO. 3, AS RECORDED IN PLAT BOOK 2, PAGES 45 THROUGH 54, INCLUSIVE, OF THE PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA, SAID LANDS LYING AND BEING IN THE CITY OF COCONUT CREEK, BROWARD COUNTY, FLORIDA
 SECTION 18, TOWNSHIP 48 SOUTH, RANGE 42 EAST

NORTHEAST CORNER OF SECTION 13, TOWNSHIP 48 SOUTH, RANGE 41 EAST, PER F.D.O.T. R/W MAP FOR CULLUM ROAD, SECTION 86100-2512(2501), SHEET 2 OF 4



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1) IF A BUILDING PERMIT FOR A PRINCIPAL BUILDING (EXCLUDING DRY MODELS, SALES AND CONSTRUCTION OFFICES) AND FIRST INSPECTION APPROVAL ARE NOT ISSUED BY JANUARY 21, 2002, WHICH DATE IS FIVE (5) YEARS FROM THE DATE OF APPROVAL OF THIS PLAT BY BROWARD COUNTY, THEN THE COUNTY'S FINDING OF ADEQUACY SHALL EXPIRE AND NO ADDITIONAL BUILDING PERMITS SHALL BE ISSUED UNTIL SUCH TIME AS BROWARD COUNTY SHALL MAKE A SUBSEQUENT FINDING THAT THE APPLICATION SATISFIES THE ADEQUACY REQUIREMENTS SET FORTH WITHIN THE BROWARD COUNTY LAND DEVELOPMENT CODE. THE OWNER OF THE PROPERTY OR THE AGENT OF THE OWNER SHALL BE RESPONSIBLE FOR PROVIDING EVIDENCE TO BROWARD COUNTY FROM THE APPROPRIATE GOVERNMENTAL ENTITY, DOCUMENTING COMPLIANCE WITH THIS REQUIREMENT WITHIN THE ABOVE REFERENCED TIME FRAME; AND/OR

TRACT 24, BLOCK 89
 THE PALM BEACH FARMS
 CO. PLAT NO. 3
 (P.B. 2, PGS. 45-54, P.B.C.R.)

2) IF CONSTRUCTION OF PROJECT WATER LINES, SEWER LINES, DRAINAGE, AND THE ROCK BASE FOR INTERNAL ROADS HAVE NOT BEEN SUBSTANTIALLY COMPLETED BY JANUARY 21, 2002, WHICH DATE IS FIVE (5) YEARS FROM THE DATE OF APPROVAL OF THE APPLICATION BY BROWARD COUNTY, THEN THE COUNTY'S FINDING OF ADEQUACY SHALL EXPIRE AND NO ADDITIONAL BUILDING PERMITS SHALL BE ISSUED UNTIL SUCH TIME AS BROWARD COUNTY SHALL MAKE A SUBSEQUENT FINDING THAT THE APPLICATION SATISFIES THE ADEQUACY REQUIREMENTS SET FORTH WITHIN THE BROWARD COUNTY LAND DEVELOPMENT CODE. THIS REQUIREMENT MAY BE SATISFIED FOR A PHASE OF THE PROJECT, PROVIDED A PHASING PLAN HAS BEEN APPROVED BY BROWARD COUNTY. THE OWNER OF THE PROPERTY OR THE AGENT OF THE OWNER SHALL BE RESPONSIBLE FOR PROVIDING EVIDENCE TO BROWARD COUNTY FROM THE APPROPRIATE GOVERNMENTAL ENTITY, DOCUMENTING COMPLIANCE WITH THIS REQUIREMENT WITHIN THE ABOVE REFERENCED TIME FRAME.

NOTES:

- BEARINGS SHOWN HEREON ARE BASED ON THE NORTH RIGHT-OF-WAY LINE OF CULLUM ROAD, AS SHOWN HEREON, HAVING A BEARING OF SOUTH 89°37'43" WEST.
- BEARINGS IN THE PORTION OF THE DESCRIPTION TAKEN FROM OFFICIAL RECORD BOOK 17902, PAGE 363 ARE BASED ON THE EAST LINE OF SECTION 13, AS SHOWN HEREON HAVING A BEARING OF NORTH 00°59'59" WEST.
- NOTICE: THERE MAY BE ADDITIONAL RESTRICTIONS THAT ARE NOT SHOWN ON THIS PLAT WHICH MAY BE FOUND IN THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.
- B.M. ELEV. INDICATES BENCHMARK ELEVATIONS. ELEVATIONS ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
- BENCHMARK USED: BENCHMARK OF ORIGIN USED WAS BROWARD COUNTY ENGINEERING DEPARTMENT BRASS DISK STAMPED BM #300, LOCATED AS FOLLOWS: LOCATED AT THE SOUTHEAST CORNER OF THE SOUTHERLY CONCRETE SLAB LIFT STATION 1410 FEET± EAST OF THE CENTERLINE OF STATE ROAD #7 (U.S. 441) AND 78.6 FEET± SOUTH OF CENTERLINE OF WINSTON PARK BOULEVARD. PUBLISHED ELEVATION IS 15.210

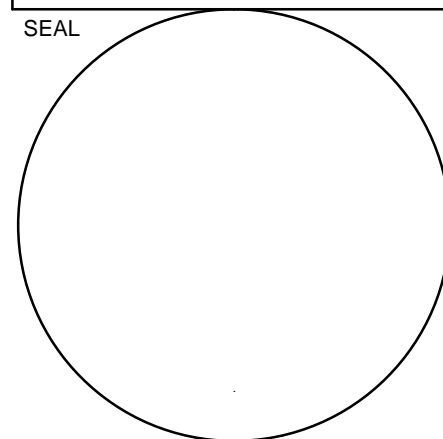
6) TRACT "A" IS RESTRICTED TO 200,000 SQUARE FEET OF INDUSTRIAL USE AND TRACT "C" IS RESTRICTED TO 65,000 SQUARE FEET OF COMMERCIAL USE. COMMERCIAL/RETAIL USES ARE NOT PERMITTED ON THE INDUSTRIAL PORTION OF THIS PLAT, WITHOUT THE APPROVAL OF THE BOARD OF COUNTY COMMISSIONERS WHO SHALL REVIEW AND ADDRESS THESE USES FOR INCREASED IMPACTS. THIS NOTE IS REQUIRED BY CHAPTER 5, ARTICLE IX, BROWARD COUNTY CODE OF ORDINANCES, AND MAY BE AMENDED BY APPROVAL OF THE BROWARD COUNTY BOARD OF COUNTY COMMISSIONERS.

THE NOTATION AND ANY AMENDMENTS THERETO ARE SOLELY INDICATING THE APPROVED DEVELOPMENT LEVEL FOR PROPERTY LOCATED WITHIN THE PLAT AND DO NOT OPERATE AS A RESTRICTION IN FAVOR OF ANY PROPERTY OWNER INCLUDING AN OWNER OR OWNERS OF PROPERTY WITHIN THIS PLAT WHO TOOK TITLE TO THE PROPERTY WITH REFERENCE TO THIS PLAT.

LEGEND:

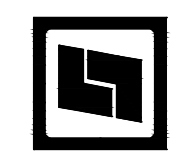
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- - DENOTES PERMANENT REFERENCE MONUMENT (P.R.M.) FOUND "CONSULTECH"
- P.R.M. - DENOTES PERMANENT REFERENCE MONUMENT
- O.R.B. - DENOTES OFFICIAL RECORD BOOK
- PG. - DENOTES PAGE
- F.D.O.T. - DENOTES FLORIDA DEPARTMENT OF TRANSPORTATION
- R/W - DENOTES RIGHT-OF-WAY
- B.C.R. - DENOTES BROWARD COUNTY RECORDS
- P.B.C.R. - DENOTES PALM BEACH COUNTY RECORDS
- P.S.M. - DENOTES PROFESSIONAL SURVEYOR AND MAPPER
- //// - DENOTES NON-VEHICULAR ACCESS LINE

REVISIONS:



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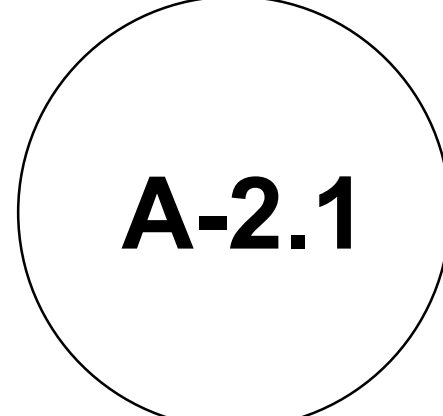
STILES ARCHITECTURAL GROUP
 301 East las Olas Blvd.
 Fort Lauderdale, Florida.
 954 - 627 - 9180 33301
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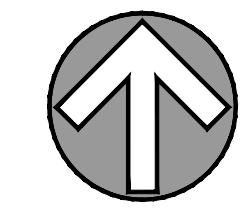
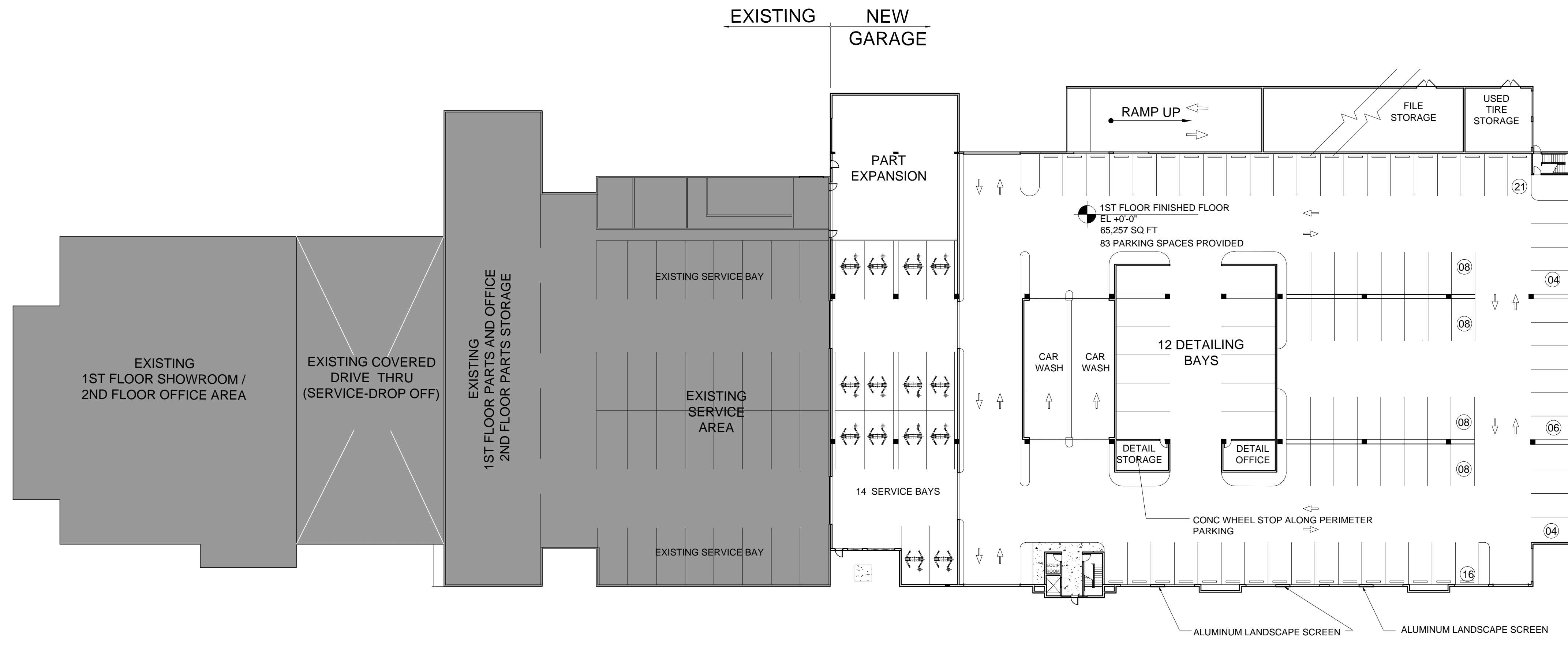
GUNTHER VOLKSWAGEN

4300 NORTH STATE ROAD 7
 COCONUT CREEK, FLORIDA 33073

GARAGE GROUND FLOOR PLAN



PROJECT NO. 73755
 DRAWN BY: PAV/GL
 CHECKED BY: JLP
 DATE: April 25, 2013



SCALE: 1"=30'-0" 02

OVERALL GROUND FLOOR PLAN

Existing building classified as Type 2B construction – per Section 508.2.3, the allowable building area and height shall be based on the main occupancy. For this building, the main occupancy is business.

Per Table 503, the allowable area is 23,000 sq. ft./floor.

Per Section 506.1 Building area modification for fire sprinkler allows increase of 200%.

$$A_a = \{A_t + [A_t \times I_f] + [A_t \times I_s]\}$$

Frontage increase not needed.

$$A_a = 23,000 + (23,000 \times 2)$$

$$= 23,000 + 46,000 = 69,000 \text{ sq. ft.}$$

Total per floor = 69,000 sq. ft. vs. existing building of 45,504 sq. ft.

NOTE: A 4-hour fire wall will separate the existing building from the new parking garage.

New building classified as an Open Air Parking Garage - S-1 Occupancy and will be classified as Type 2A construction.

Per Table 503, the allowable area is 26,000 sq. ft./floor.

Per Section 506.1 Building area modification

$$A_a = \{A_t + [A_t \times I_f] + [A_t \times I_s]\}$$

Frontage increase not needed.

$$A_a = 26,000 + (26,000 \times 2)$$

$$= 26,000 + 52,000 = 78,000 \text{ sq. ft.}$$

Total per floor = 78,000 sq. ft. vs. proposed building of 65,257 sq. ft.

New Expansion

1 st floor		
• Service	7,583 sq. ft.	
• Parts and Storage	6,632 sq. ft.	
• Car Wash	2,360 sq. ft.	
• Detailing	6,147 sq. ft.	
• Parking Garage	42,535 sq. ft.	
TOTAL	65,257 sq. ft.	
2 nd floor		
• Parking Garage	61,552 sq. ft.	
3 rd floor		
• Parking Garage	62,841 sq. ft.	
TOTAL BUILDING	189,650 sq. ft.	

Existing Building

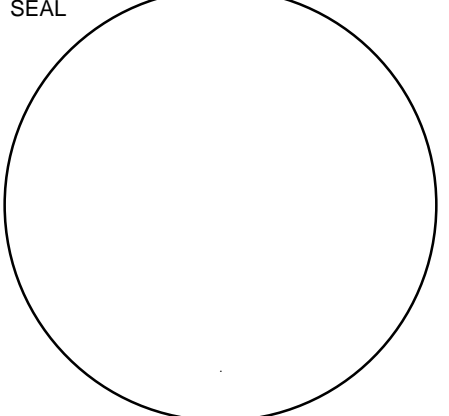
1 st floor		
• Showroom	15,015 sq. ft.	
• Parts and Office	8,533 sq. ft.	
• Service Area	21,956 sq. ft.	
TOTAL	45,504 sq. ft.	
2 nd floor		
• Office	7,317 sq. ft.	
• Parts and Service	8,533 sq. ft.	
TOTAL	15,850 sq. ft.	
TOTAL BUILDING	61,354 sq. ft.	

BUILDING CODE CALCULATIONS

SCALE: 1"=30'-0" 01

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REVISIONS:



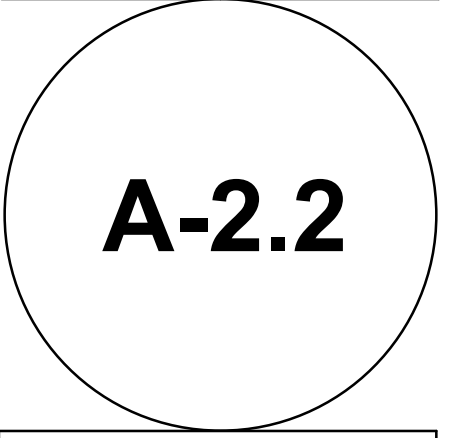
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STILES ARCHITECTURAL GROUP
 301 East las Olas Blvd.
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 954 - 627- 9180 33301
 FL. REG # AA-26001798

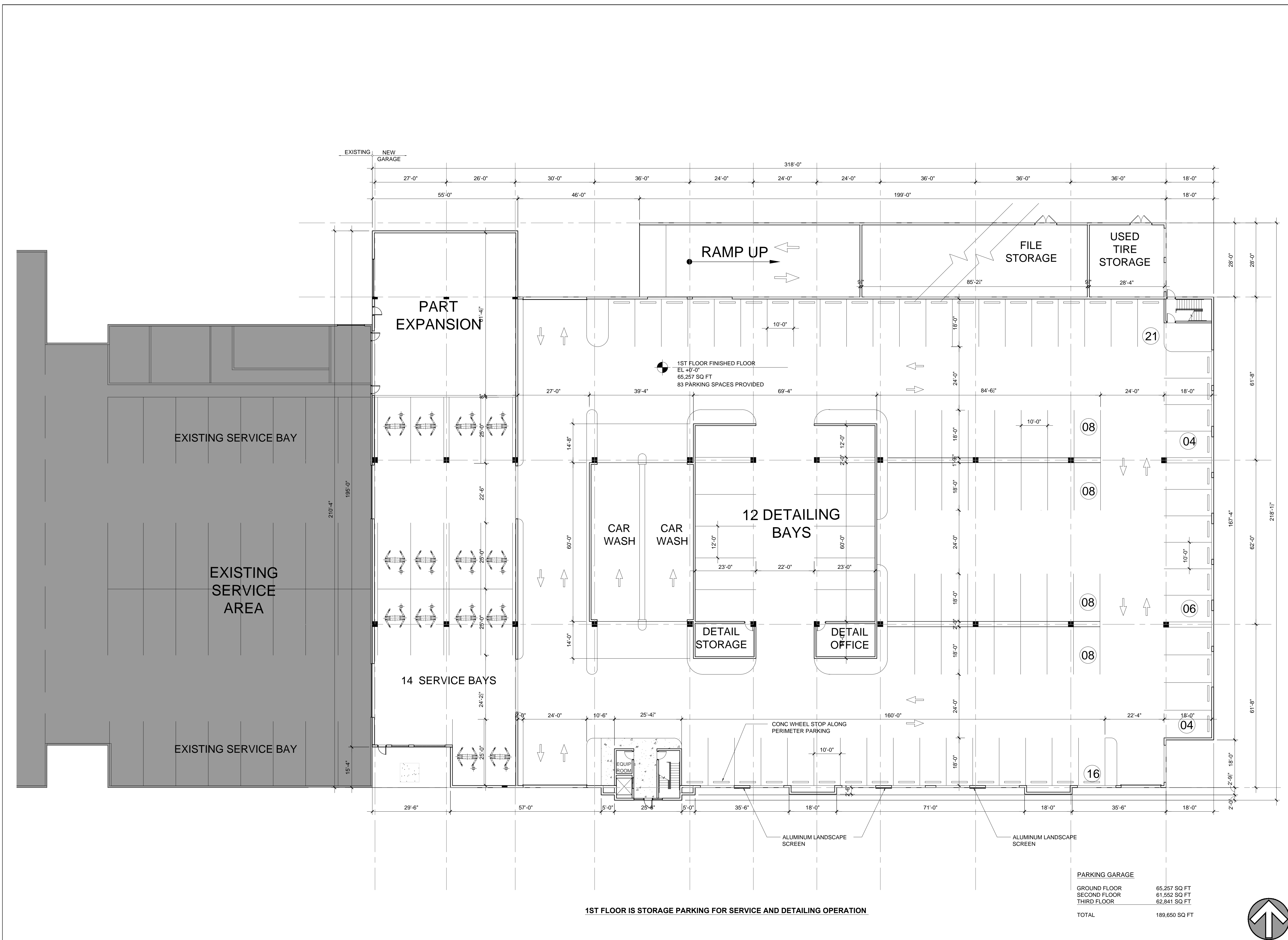


GUNTHER VOLKSWAGEN
 4300 NORTH STATE ROAD 7
 COCONUT CREEK, FLORIDA 33073

ENLARGED GARAGE
 GROUND FLOOR PLAN



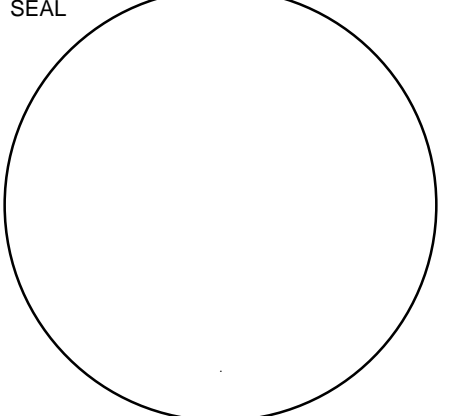
PROJECT NO:	73753
DRAWN BY:	PAV/GL
CHECKED BY:	JLP
DATE:	April 25, 2013



ENLARGED GROUND FLOOR PLAN

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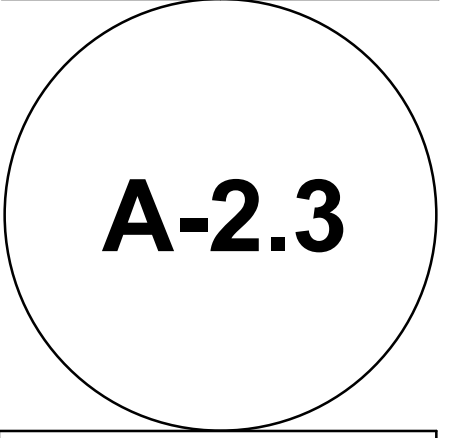
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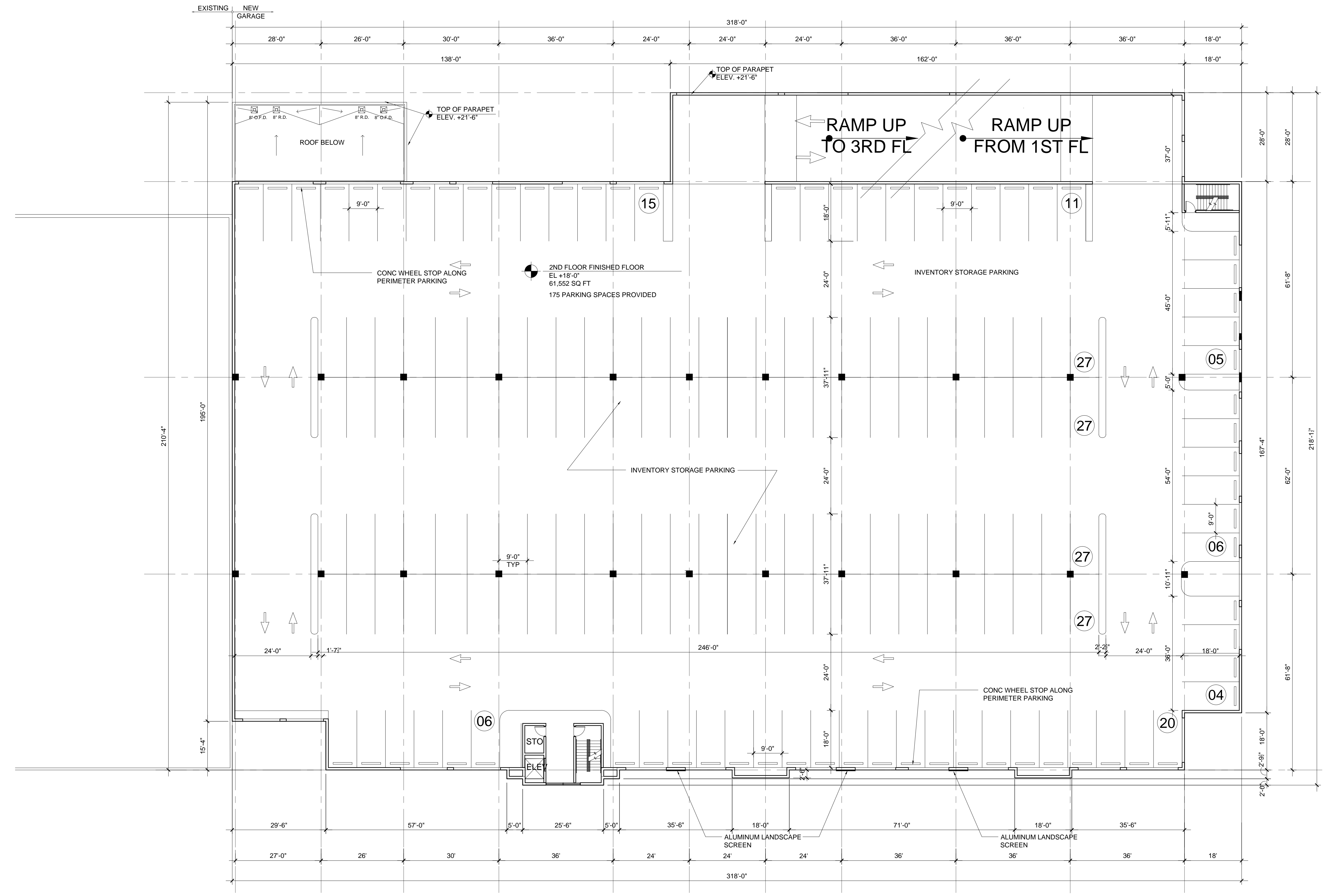
GUNTHER VOLKSWAGEN

4300 NORTH STATE ROAD 7
 COCONUT CREEK, FLORIDA 33073

GARAGE SECOND FLOOR PLAN



PROJECT NO. 73753
 DRAWN BY: PAV/GL
 CHECKED BY: JLP
 DATE: April 25, 2013



2ND FLOOR IS INVENTORY STORAGE PARKING ONLY

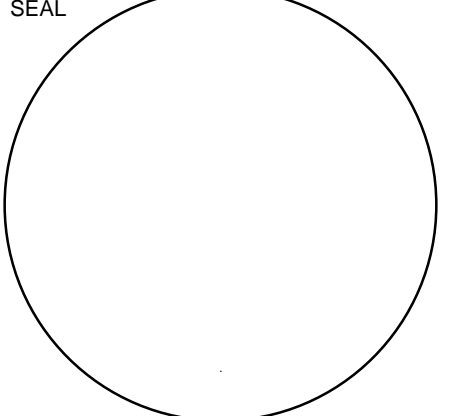
SECOND FLOOR PLAN

SCALE: 1/16" = 1'-0"

01

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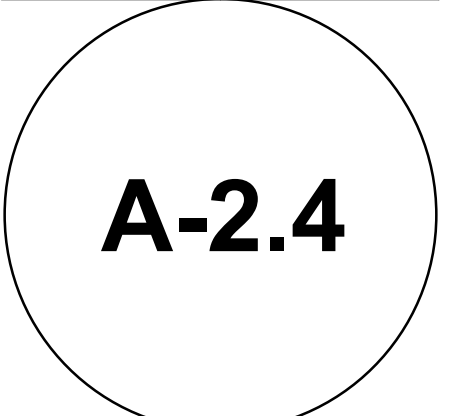
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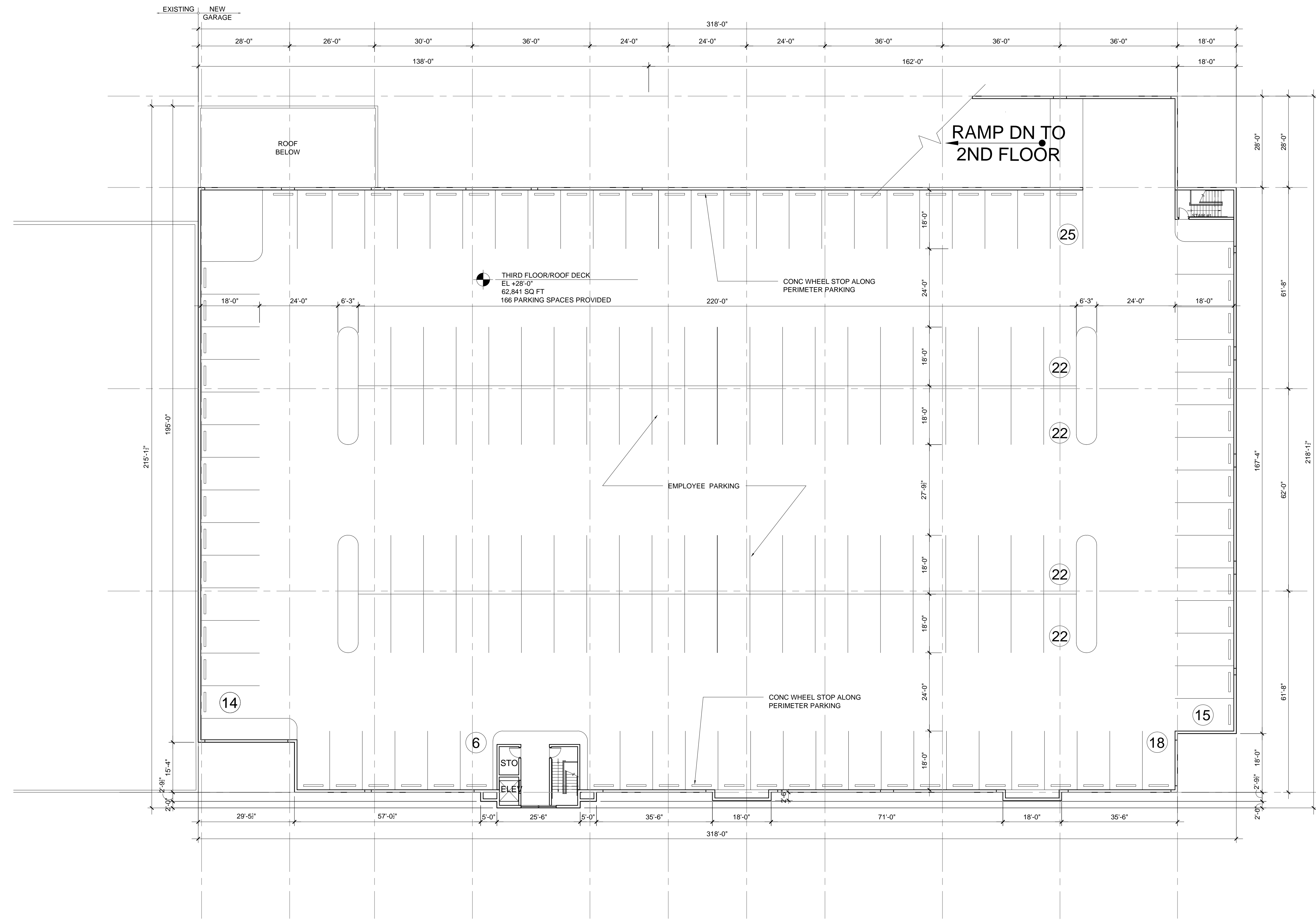
GUNTHER VOLKSWAGEN

4300 NORTH STATE ROAD 7
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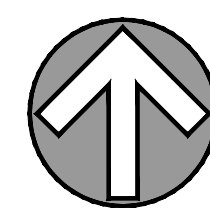
GARAGE THIRD FLOOR PLAN



PROJECT NO.	73753
DRAWN BY :	PAV/GL
CHECKED BY :	JLP
DATE :	April 25, 2013



3RD FLOOR IS EMPLOYEE PARKING ONLY

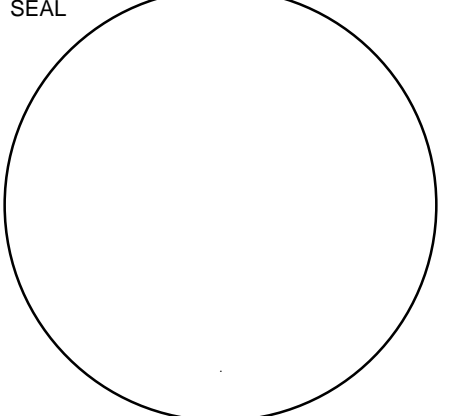


SCALE: 1/16" = 1'-0"

01

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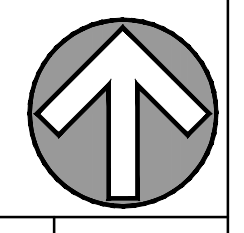
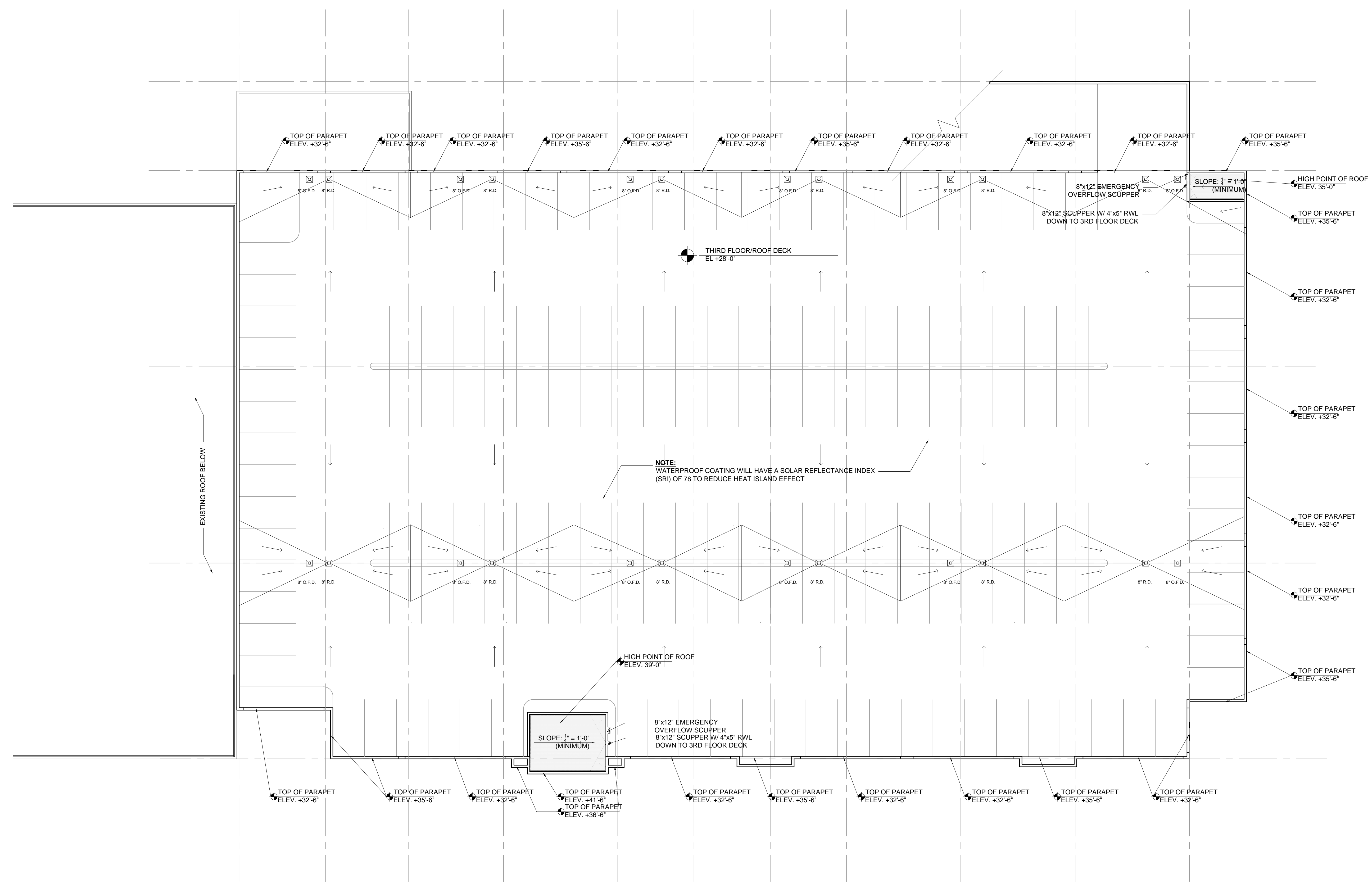


GUNTHER VOLKSWAGEN 
 4300 NORTH STATE ROAD 7
 COCONUT CREEK, FLORIDA 33073

GARAGE ROOF PLAN

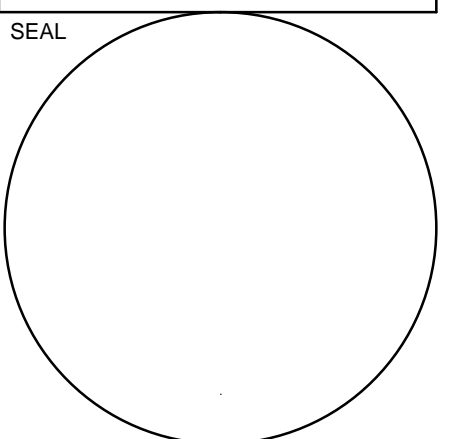
A-2.5

PROJECT NO.
73753
 DRAWN BY :
PAV/GL
 CHECKED BY :
JLP
 DATE :
April 25, 2013



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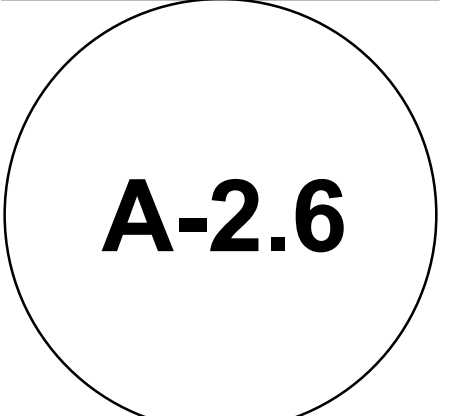
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 FL. REG # AA-26001798



GUNTHER VOLKSWAGEN

4300 NORTH STATE ROAD 7
 COCONUT CREEK, FLORIDA 33073

PRE-OWNED FLOOR PLAN

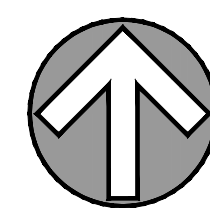


PROJECT NO.	73753
DRAWN BY:	PAV/GL
CHECKED BY:	JLP
DATE:	April 25, 2013



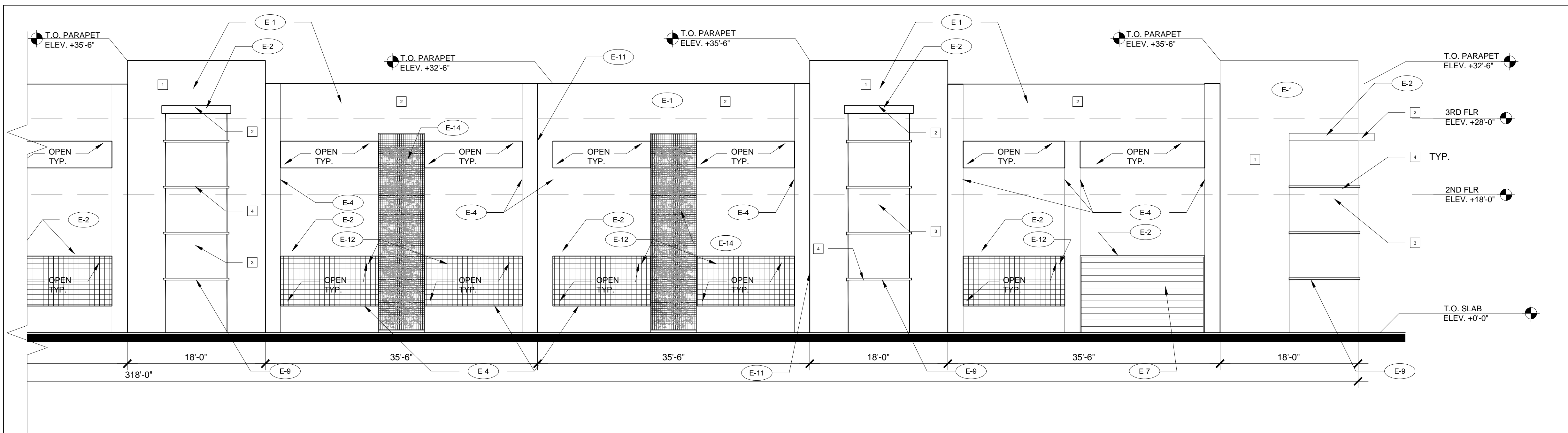
PRE OWNED BLDG ADDITION

PREOWNED EXISTING	1,978 SQ FT
PRE-OWNED NEW	1,300 SQ FT
TOTAL PRE-OWNED BLDG	3,278 SQ FT



SCALE: 1/4" = 1'-0"

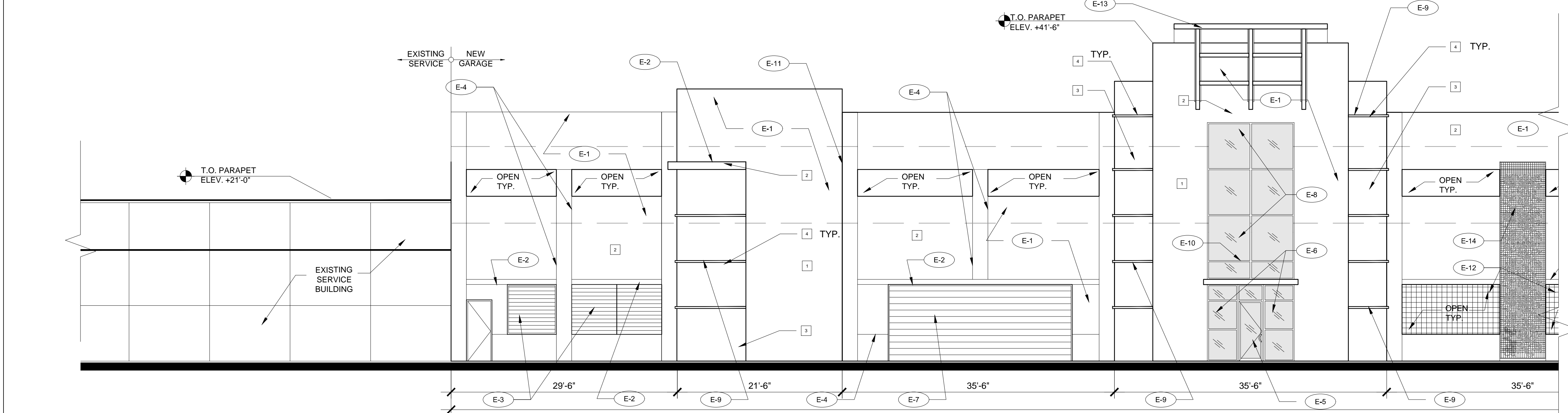
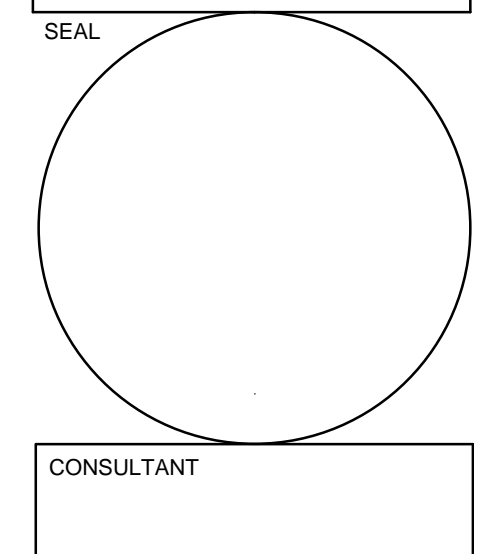
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PARTIAL SOUTH ELEVATION SCALE: 1/8"=1'-0" 04

- BENJAMIN MOORE CLASSIC COLORS:
- 1 BUILDING COLOR: LIGHT GRAY "BALBOA MIST" BM #1549
 - 2 BUILDING COLOR: OFF-WHITE "WHITE DOVE" BM # OC-17
 - 3 ACCENT COLOR: DARK GRAY "PLYMOUTH ROCK" BM #1543
 - 4 ACCENT COLOR: YELLOW "HAWTHORNE YELLOW" BM # HC-4

REVISIONS:



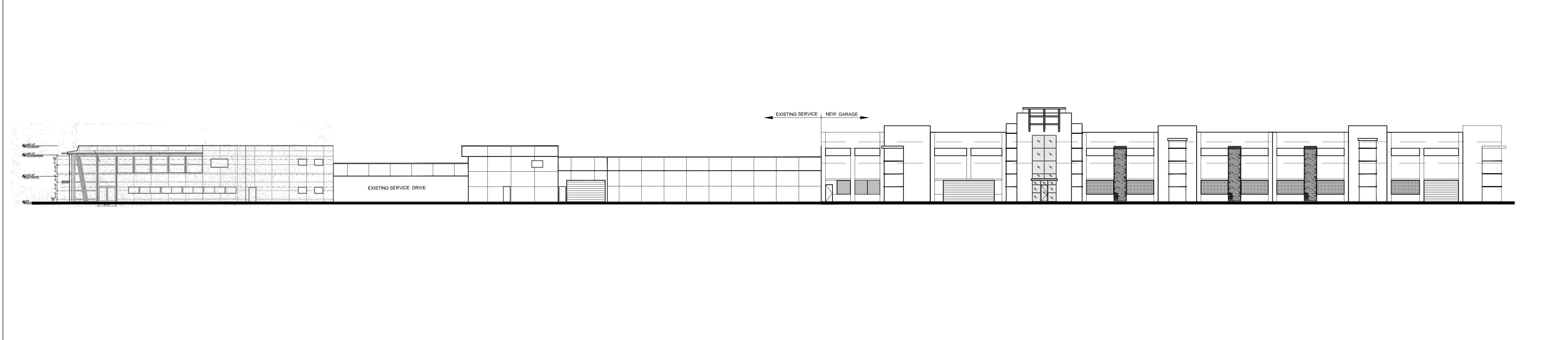
PARTIAL SOUTH ELEVATION SCALE: 1/8"=1'-0" 04

COLOR LEGEND 03

ELEVATION LEGEND	
KEY	SYSTEMS
E-1	SMOOTH STUCCO FINISH
E-2	RAISED EIFS BAND
E-3	MTL LOUVERS
E-4	TILT-UP PANEL REVEAL
E-5	GRAY REFLECTIVE IMPACT RESISTANT GLASS DOORS IN CLEAR ANODIZED ALUM FRAME
E-6	GRAY REFLECTIVE IMPACT RESISTANT GLASS IN CLEAR ANODIZED ALUM STOREFRONT SYSTEM FRAME
E-7	OVERHEAD DOOR
E-8	GRAY REFLECTIVE SPANDREL GLASS IN CLEAR ANODIZED ALUM STOREFRONT SYSTEM FRAME
E-9	3" RAISED EIFS BAND
E-10	ALUM. MTL. CANOPY
E-11	PANEL LINES
E-12	GRILLE WITH 1" SQUARE HORIZ. AND VERT PICKETS @ 8" O.C.
E-13	PRE ENGINEERED CLEAR ANODIZED ALUMINUM SUNSHADE ORNAMENTATION
E-14	PRE ENGINEERED CLEAR ANODIZED ALUMINUM LANDSCAPE SCREEN

PARTIAL SOUTH ELEVATION SCALE: 1/8"=1'-0" 04

ELEVATION KEY NOTES 02

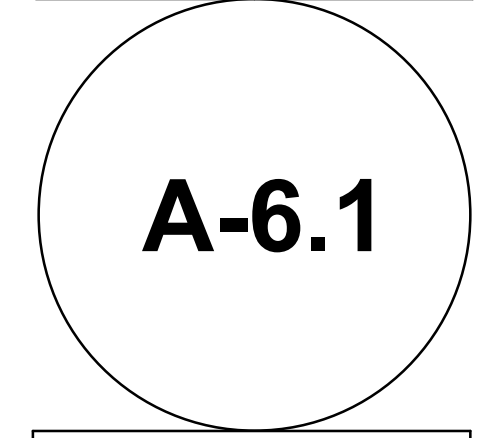


OVERALL SOUTH ELEVATION SCALE: NTS 01

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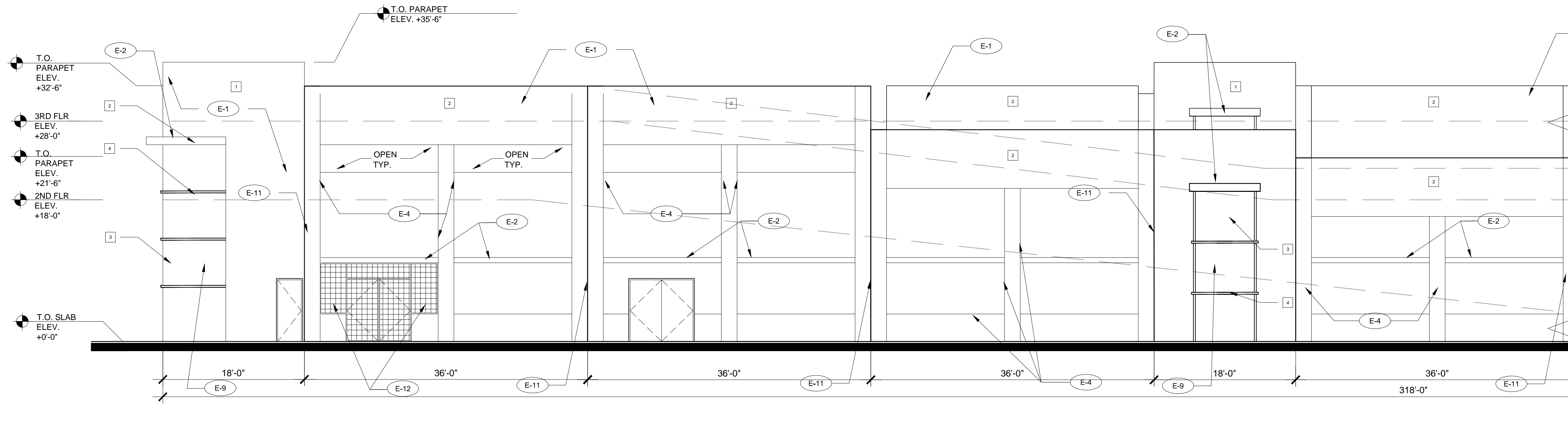
GUNTHER VOLKSWAGEN
 4300 NORTH STATE ROAD 7
 COCONUT CREEK, FLORIDA 33073

GARAGE EXTERIOR ELEVATIONS



PROJECT NO. 73753
 DRAWN BY : PAV/GL
 CHECKED BY : JLP
 DATE : April 25, 2013

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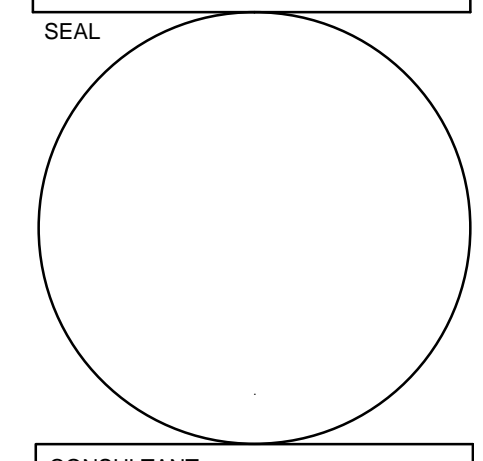
PARTIAL NORTH ELEVATION

SCALE: 1/8"=1'-0" 04

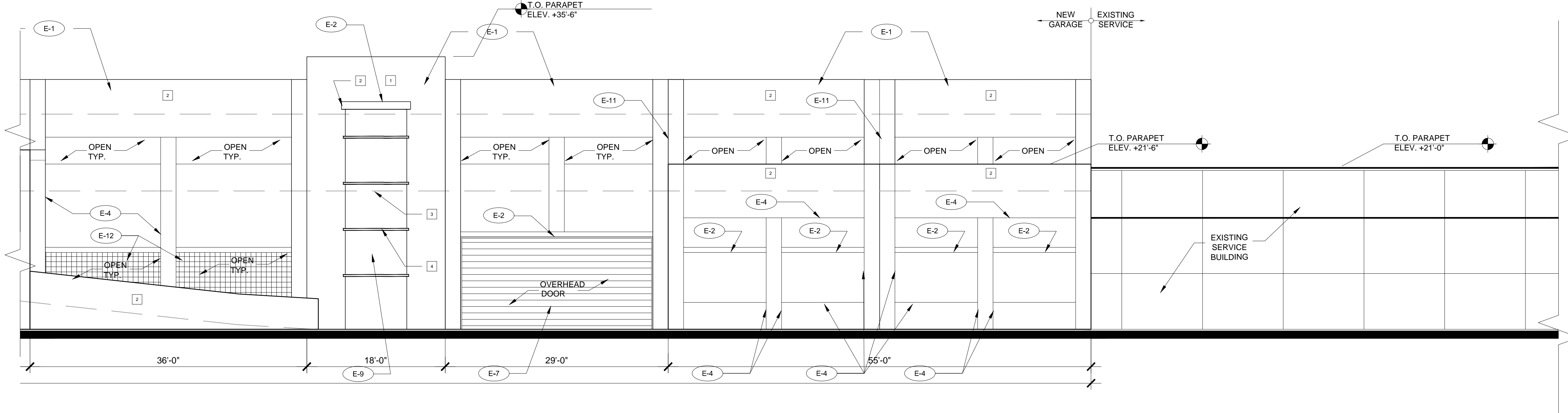
COLOR LEGEND 03

- BENJAMIN MOORE CLASSIC COLORS:
- 1 BUILDING COLOR: LIGHT GRAY "BALBOA MIST" BM #1549
 - 2 BUILDING COLOR: OFF-WHITE "WHITE DOVE" BM # OC-17
 - 3 ACCENT COLOR: DARK GRAY "PLYMOUTH ROCK" BM #1543
 - 4 ACCENT COLOR: YELLOW "HAWTHORNE YELLOW" BM # HC-4

REVISIONS:



CONSULTANT

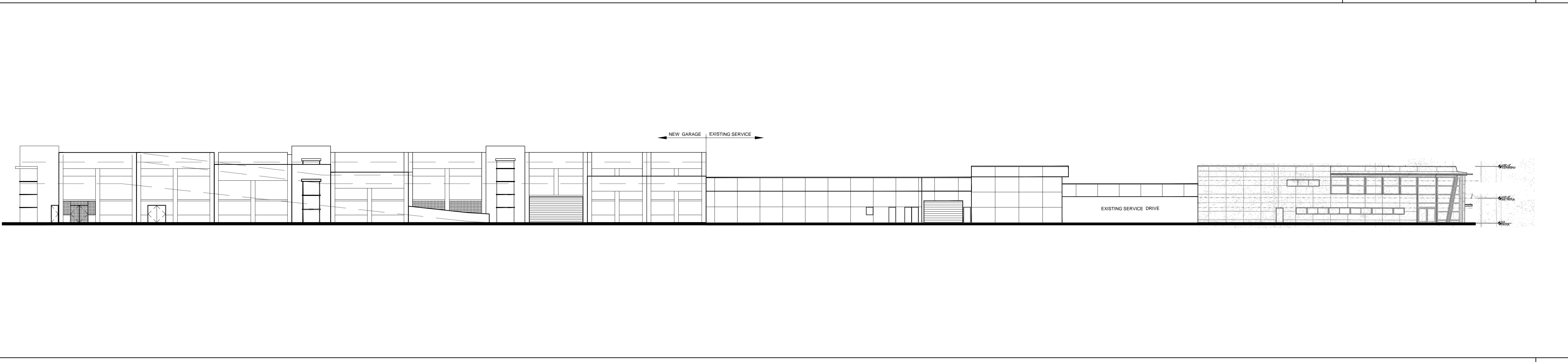


PARTIAL NORTH ELEVATION

SCALE: 1/8"=1'-0"

ELEVATION KEY NOTES 02

KEY	SYSTEMS
E-1	SMOOTH STUCCO FINISH
E-2	RAISED EIFS BAND
E-3	MTL. LOUVERS
E-4	TILT- UP PANEL REVEAL
E-5	GRAY REFLECTIVE IMPACT RESISTANT GLASS DOORS IN CLEAR ANODIZED ALUM FRAME
E-6	GRAY REFLECTIVE IMPACT RESISTANT GLASS IN CLEAR ANODIZED ALUM STOREFRONT SYSTEM FRAME
E-7	OVERHEAD DOOR
E-8	GRAY REFLECTIVE SPANDREL GLASS IN CLEAR ANODIZED ALUM STOREFRONT SYSTEM FRAME
E-9	3" RAISED EIFS BAND
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E-11	PANEL LINES
E-12	GRILLE WITH 1" SQUARE HORIZ. AND VERT PICKETS @ 8" O.C.
E-13	PRE ENGINEERED CLEAR ANODIZED ALUMINUM SUNSHADE ORNAMENTATION
E-14	PRE ENGINEERED CLEAR ANODIZED ALUMINUM LANDSCAPE SCREEN



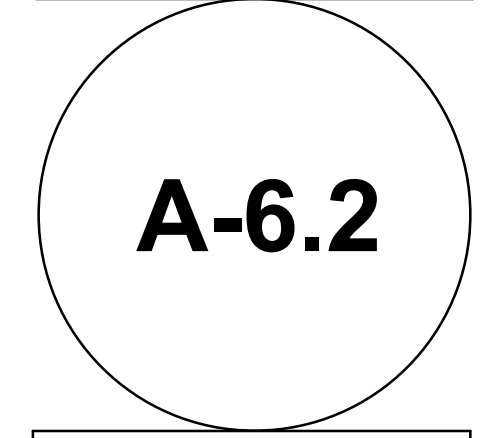
OVERALL NORTH ELEVATION

SCALE: NTS 01

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 FL. REG # AA-26001798

GUNTHER VOLKSWAGEN
 4300 NORTH STATE ROAD 7
 COCONUT CREEK, FLORIDA 33073

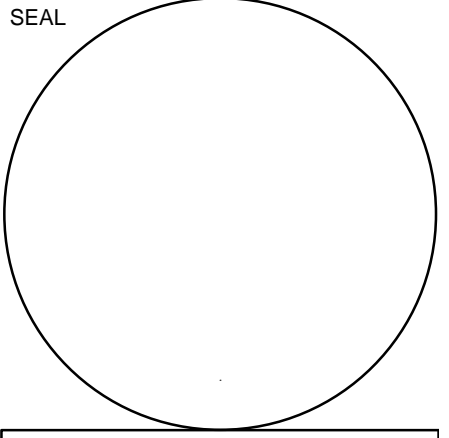
GARAGE EXTERIOR ELEVATIONS



PROJECT NO. 73753
 DRAWN BY: PAV/GL
 CHECKED BY: JLP
 DATE: April 25, 2013

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REVISIONS:



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GUNTHER VOLKSWAGEN
 4300 NORTH STATE ROAD 7
 COCONUT CREEK, FLORIDA 33073

PRE OWNED EXTERIOR ELEVATIONS

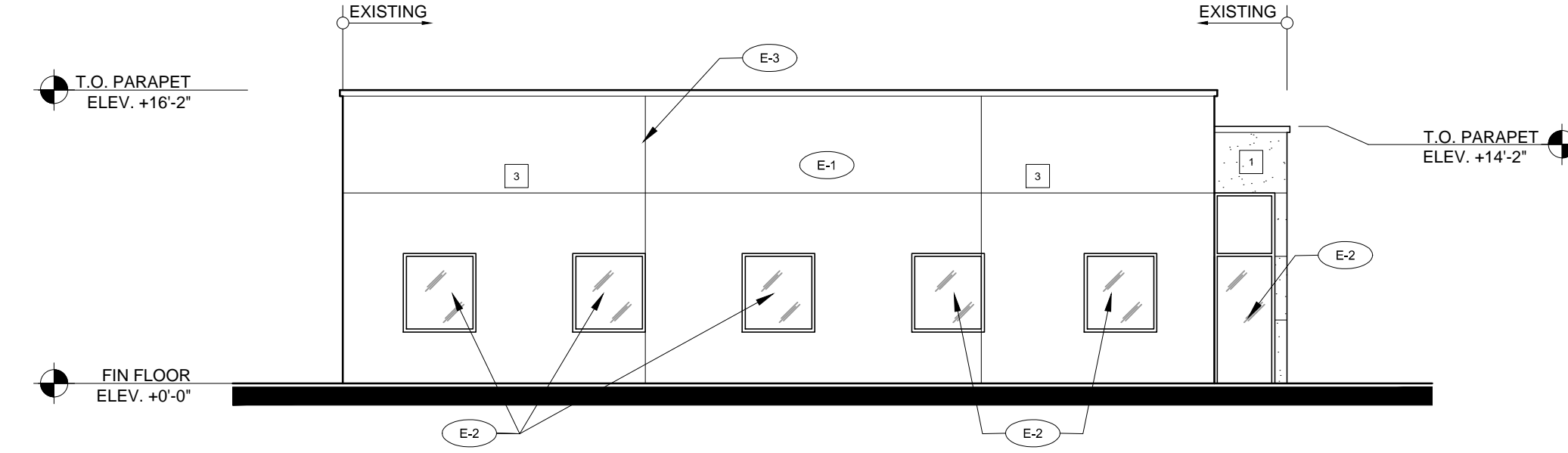
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PROJECT NO:
73753
 DRAWN BY:
PAV/GL
 CHECKED BY:
JLP
 DATE:
April 25, 2013

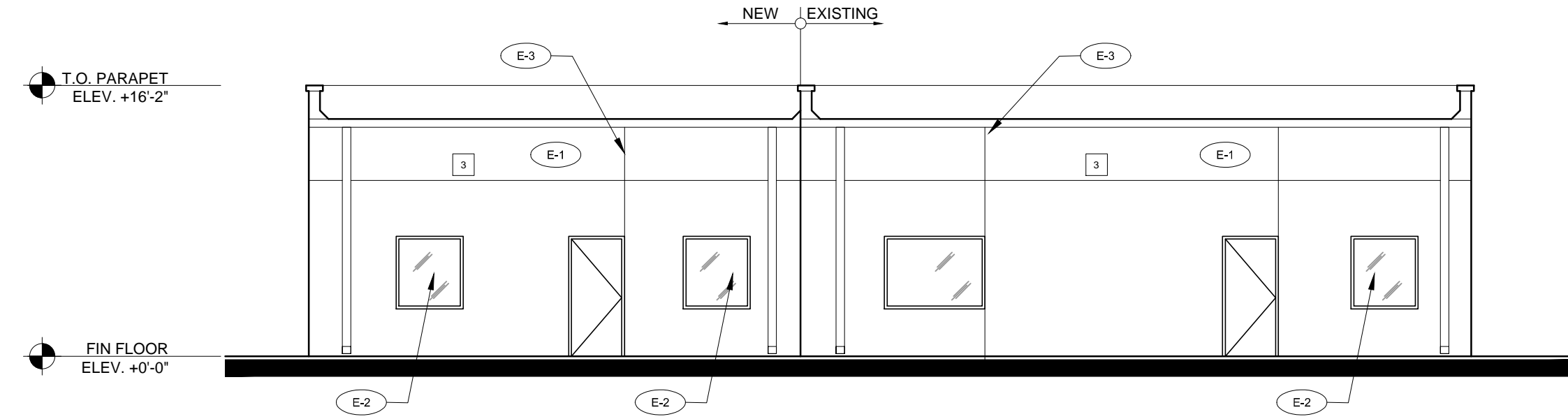
ELEVATION LEGEND	
KEY	SYSTEMS
(E-1)	SMOOTH STUCCO FINISH
(E-2)	CLEAR IMPACT RESISTANT GLASS IN CLEAR ANODIZED ALUM SOREFRONT FRAMES
(E-3)	REVEAL LINES

- KEY NOTES**
 BENJAMIN MOORE CLASSIC COLORS:
 1 PORTAL COLOR: YELLOW "LEMON GRASS" BM #339
 2 ACCENT COLOR: DARK GRAY "PLYMOUTH ROCK" BM #1543
 3 BUILDING COLOR: OFF WHITE "WHITESTONE" BM #2134-60

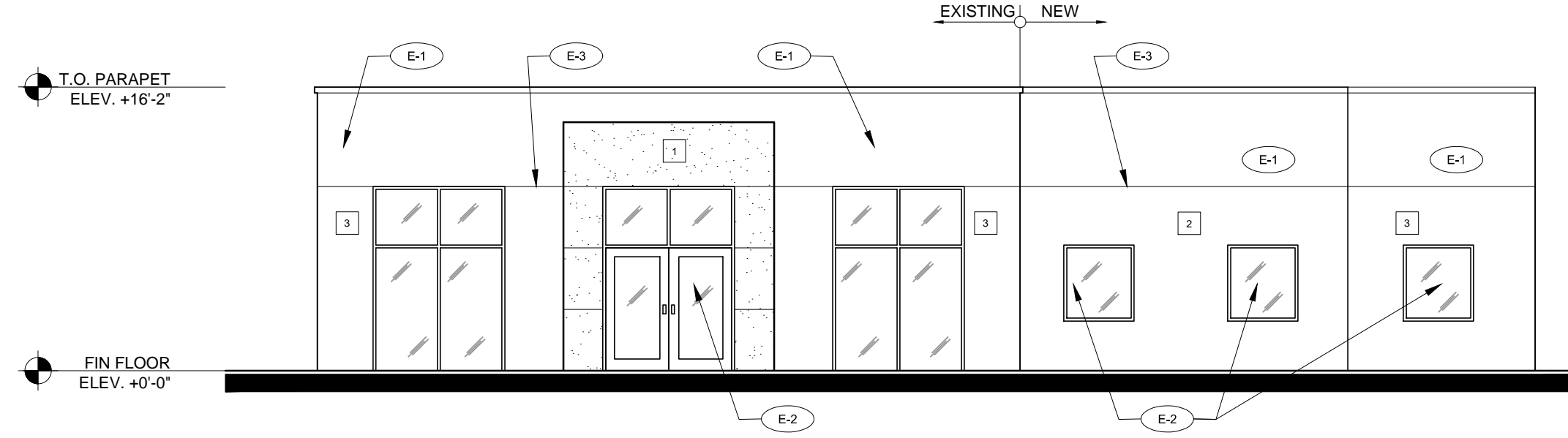
COLOR LEGEND 04 ELEVATION KEY NOTES 03



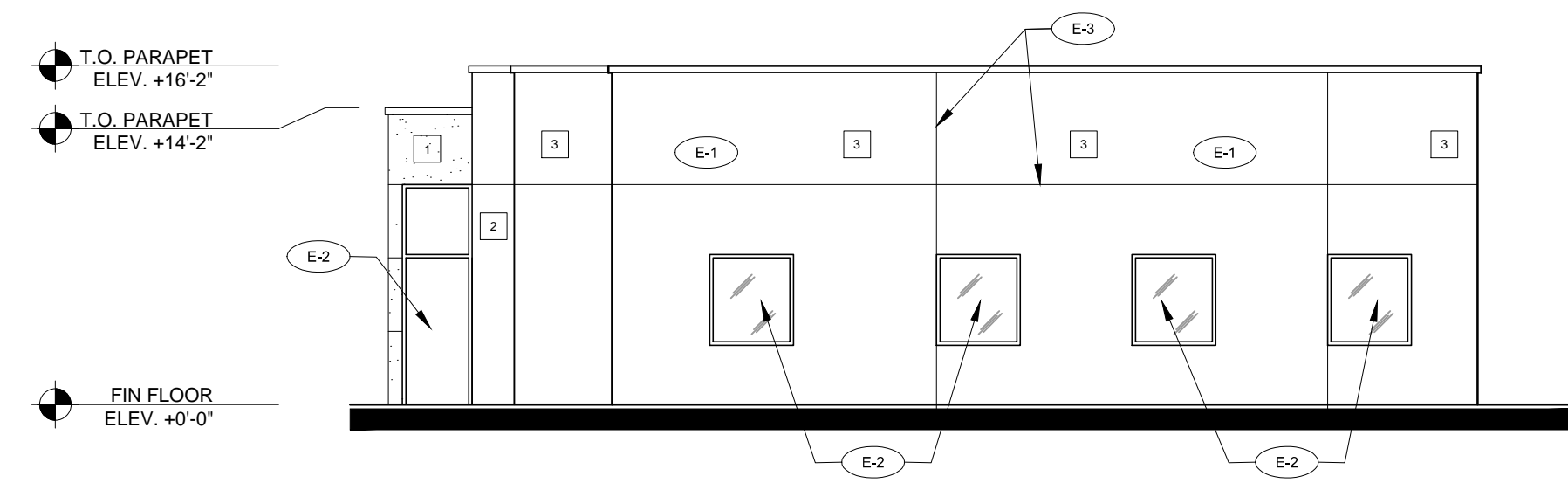
NORTH ELEVATION SCALE: 1/8"=1'-0" 02



EAST ELEVATION SCALE: 1/8"=1'-0" 01



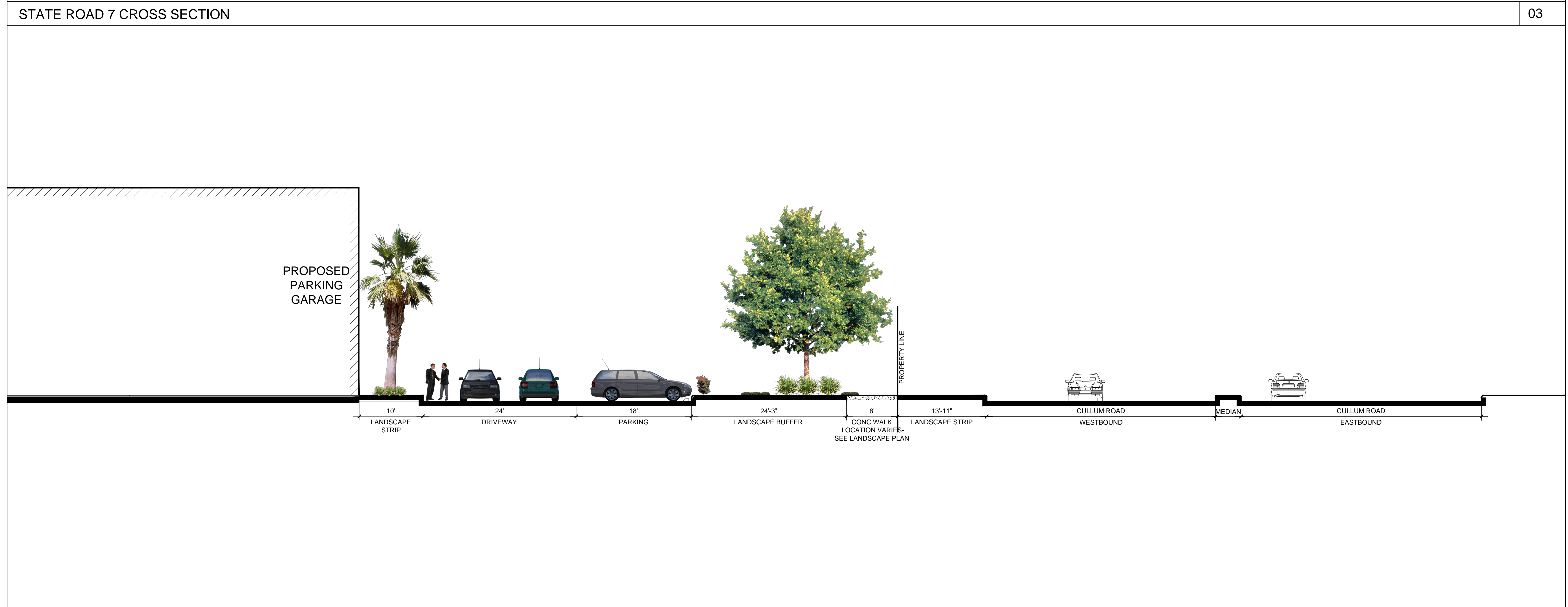
WEST ELEVATION SCALE: 1/8"=1'-0" 06



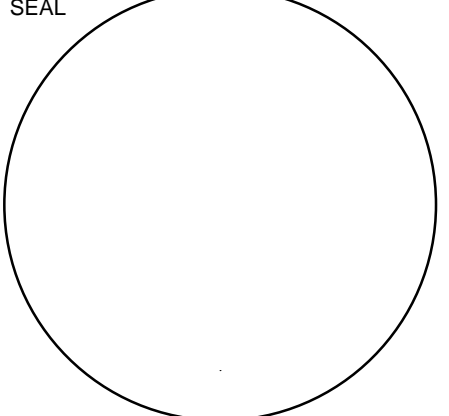
SOUTH ELEVATION SCALE: 1/8"=1'-0" 05

NOT USED

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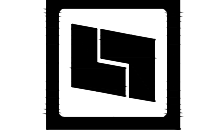


REVISIONS :



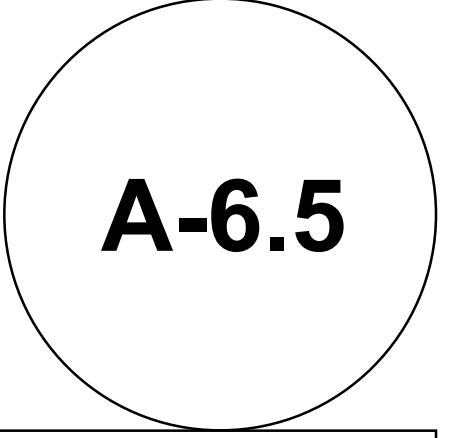
CONSULTANT

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



GUNTHER VOLKSWAGEN
 4300 NORTH STATE ROAD 7
 COCONUT CREEK, FLORIDA 33073

CULLUM ROAD- STATE ROAD 7 CROSS SECTION



PROJECT NO. 73753
 DRAWN BY : PAV/GL
 CHECKED BY : JLP
 DATE : April 25, 2013

T:\6\0\073753\0\owner JV Expansion\Arch\Drawings\3 Site Plan Approval\DWG\Sheet\73753_A-6.1 Elevations.dwg 4/25/2013 10:44 AM GL

Chase Park®

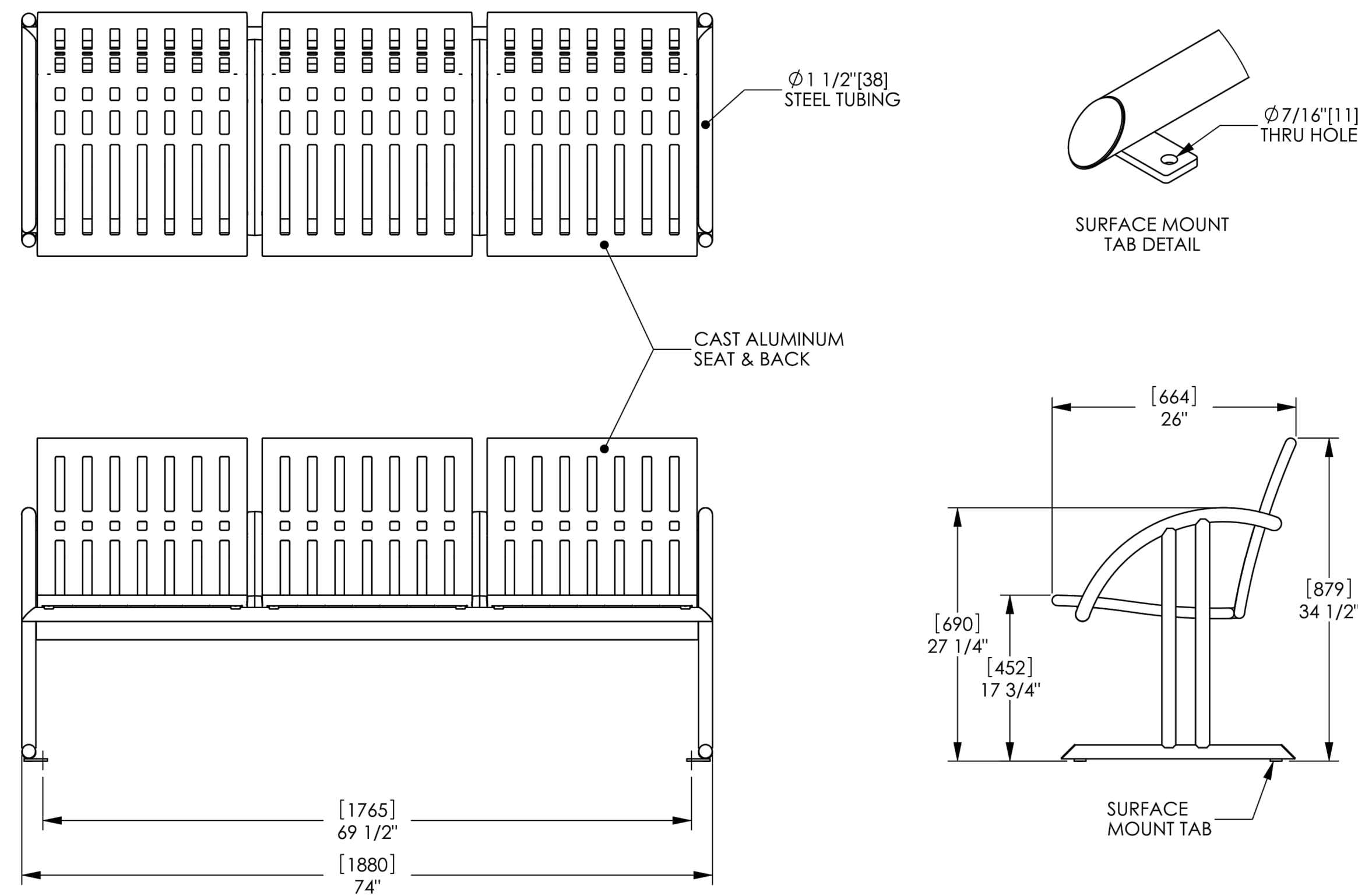
Bench, 3 Seat Unit, Surface Mount

Product Drawing

landscapeforms®

www.landscapeforms.com Ph: 800.521.2546

Color: Metallic Bronze



PARK BENCH

SCALE: 1"=1'-0"

04

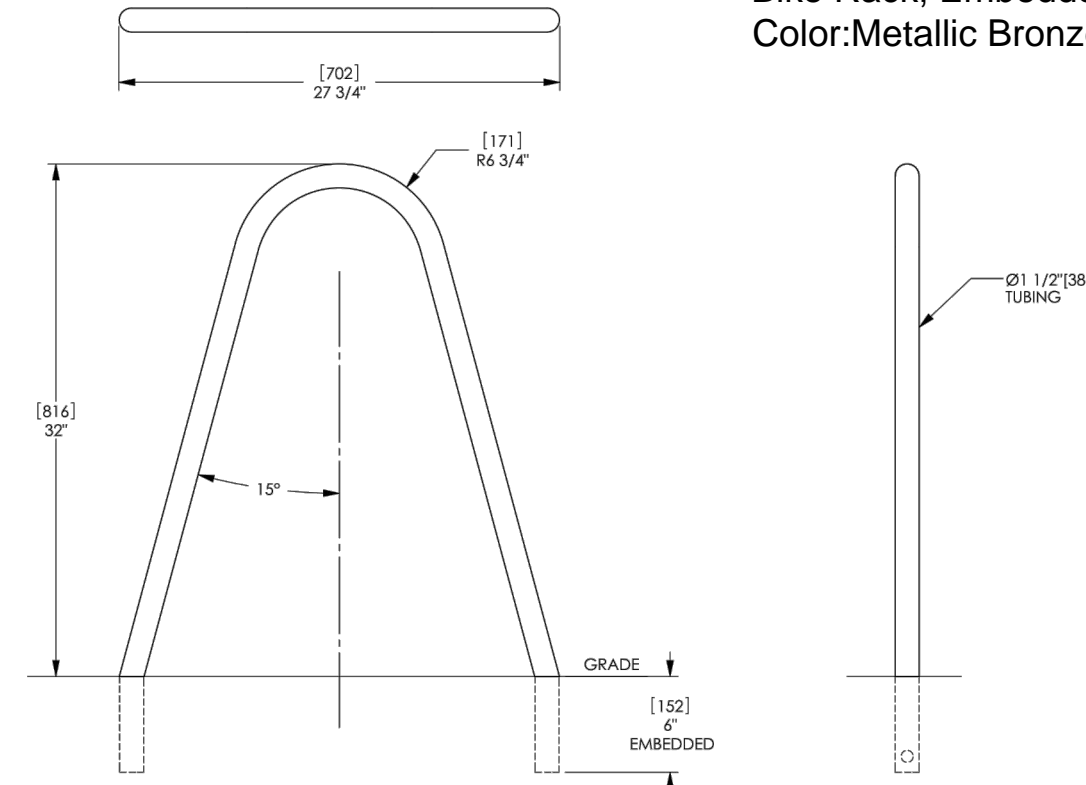
TRASH RECEPTACLE

SCALE: 1"=1'-0"

02

Bola® Product Drawing **landscapeforms®**
Bike Rack, Embedded
www.landscapeforms.com Ph: 800.521.2546

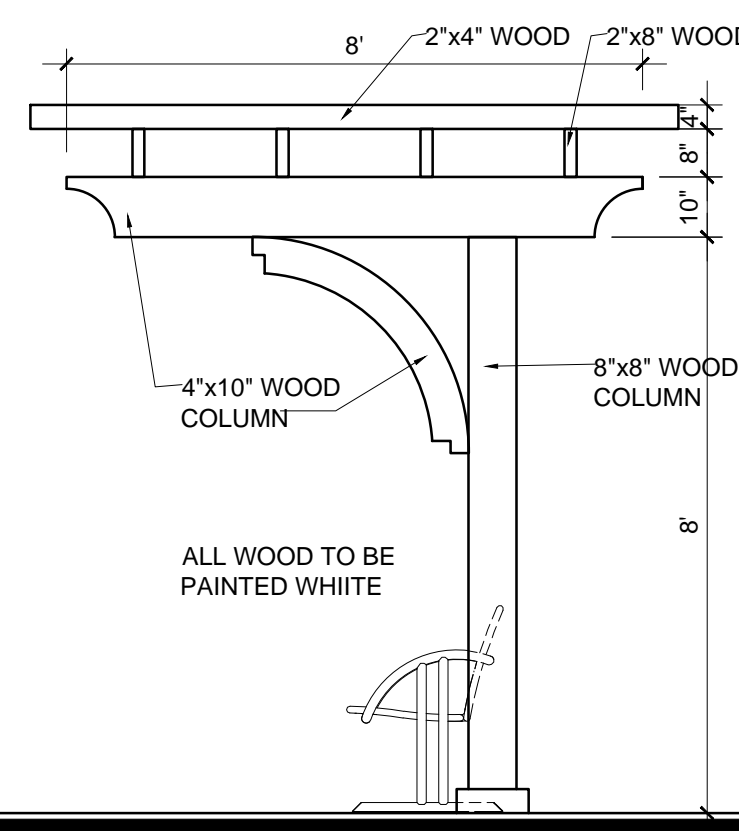
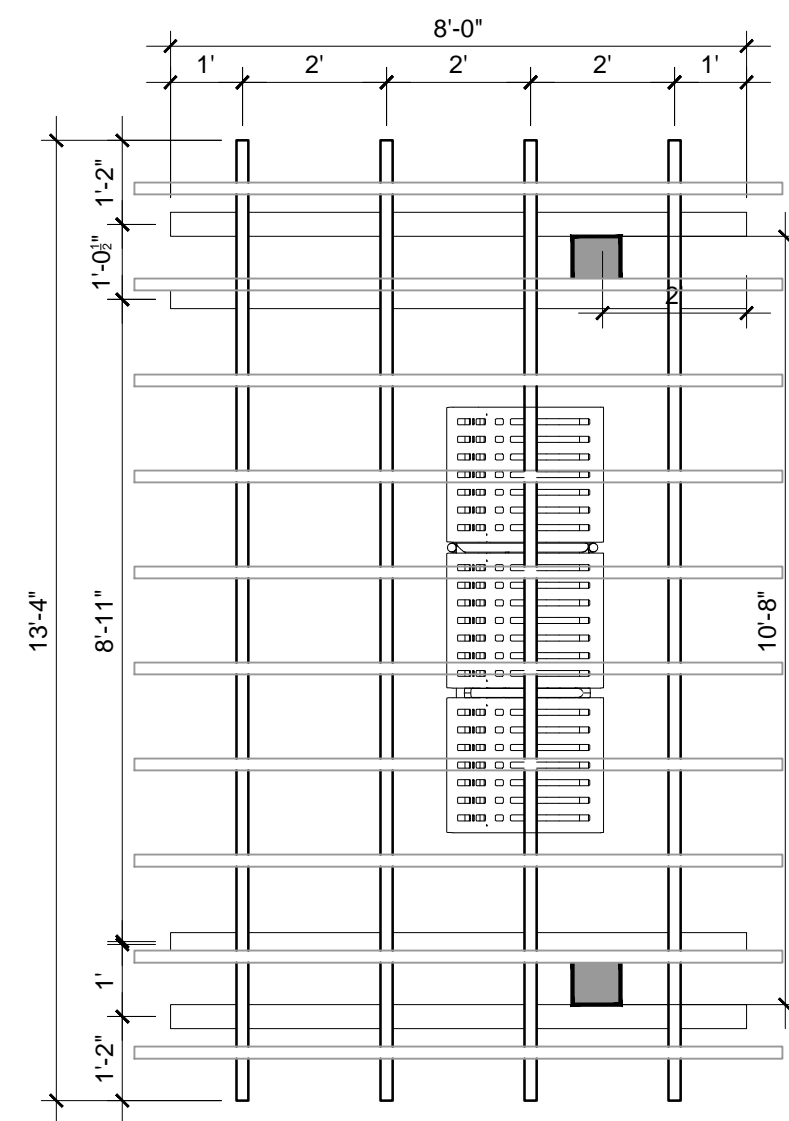
Bike Rack, Embedded
Color: Metallic Bronze



BICYCLE RACK

SCALE: 1"=1'-0"

06



PERGOLA SHADE STRUCTURE

SCALE: 3/8"=1'-0"

03

SHELTER DETAIL

SCALE: 1/2"=1'-0"

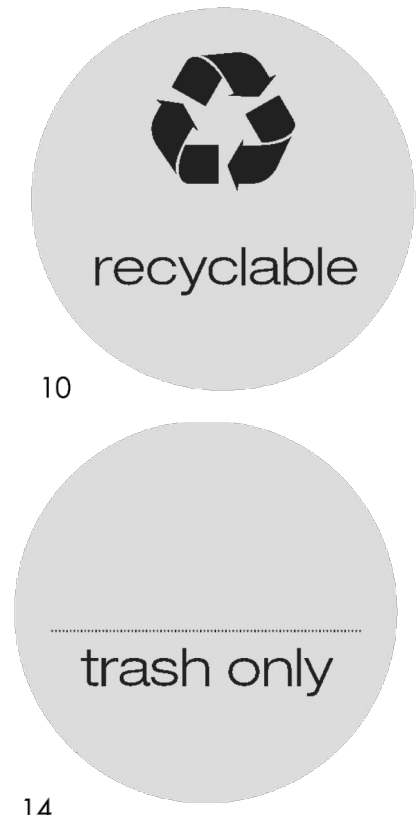
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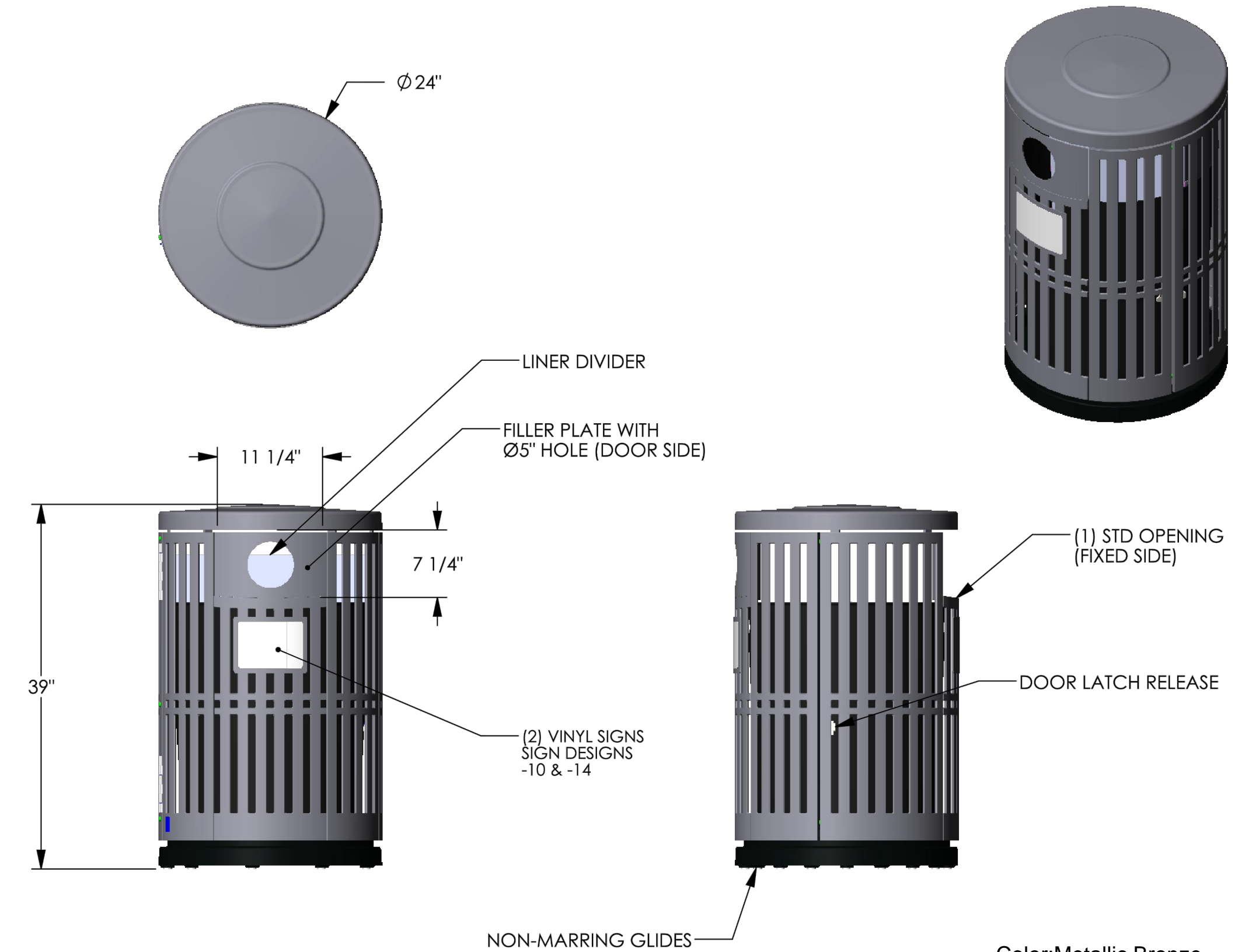
5'-0" HIGH ALUMINUM PICKET FENCE

SCALE: NTS

05



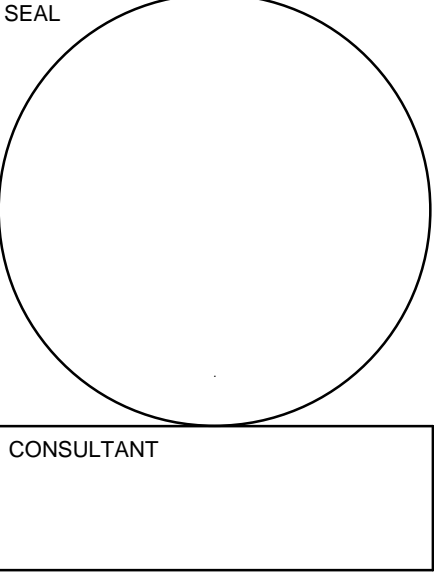
RECYCLING SYSTEM SIGNAGE



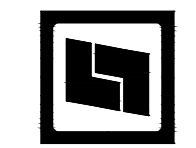
landscapeforms®
431 LAWNDALE AVE. KALAMAZOO, MI 49048 PHONE: 800-521-2546 FAX: 269-381-3455
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Chase Park litter dual recycling, side open, 36 gal
FILE NAME: CP999-06041-02-SIGNS10,14 SCALE: 1:16
SPECIAL CUSTOMER DRAWING AUTHOR: cmd
DESIGN CODE: DATE: 9/30/09
ALL DIMENSIONS IN INCHES A SIZE SHEET REVISED

REVISIONS:

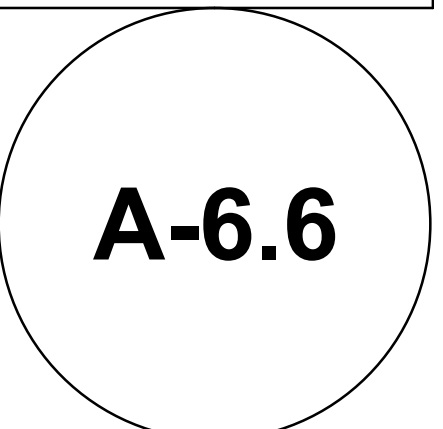


STILES ARCHITECTURAL GROUP
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FL. REG # AA-26001798



GUNTHER VOLKSWAGEN
4300 NORTH STATE ROAD 7
COCONUT CREEK, FLORIDA 33073

SITE AMENITIES

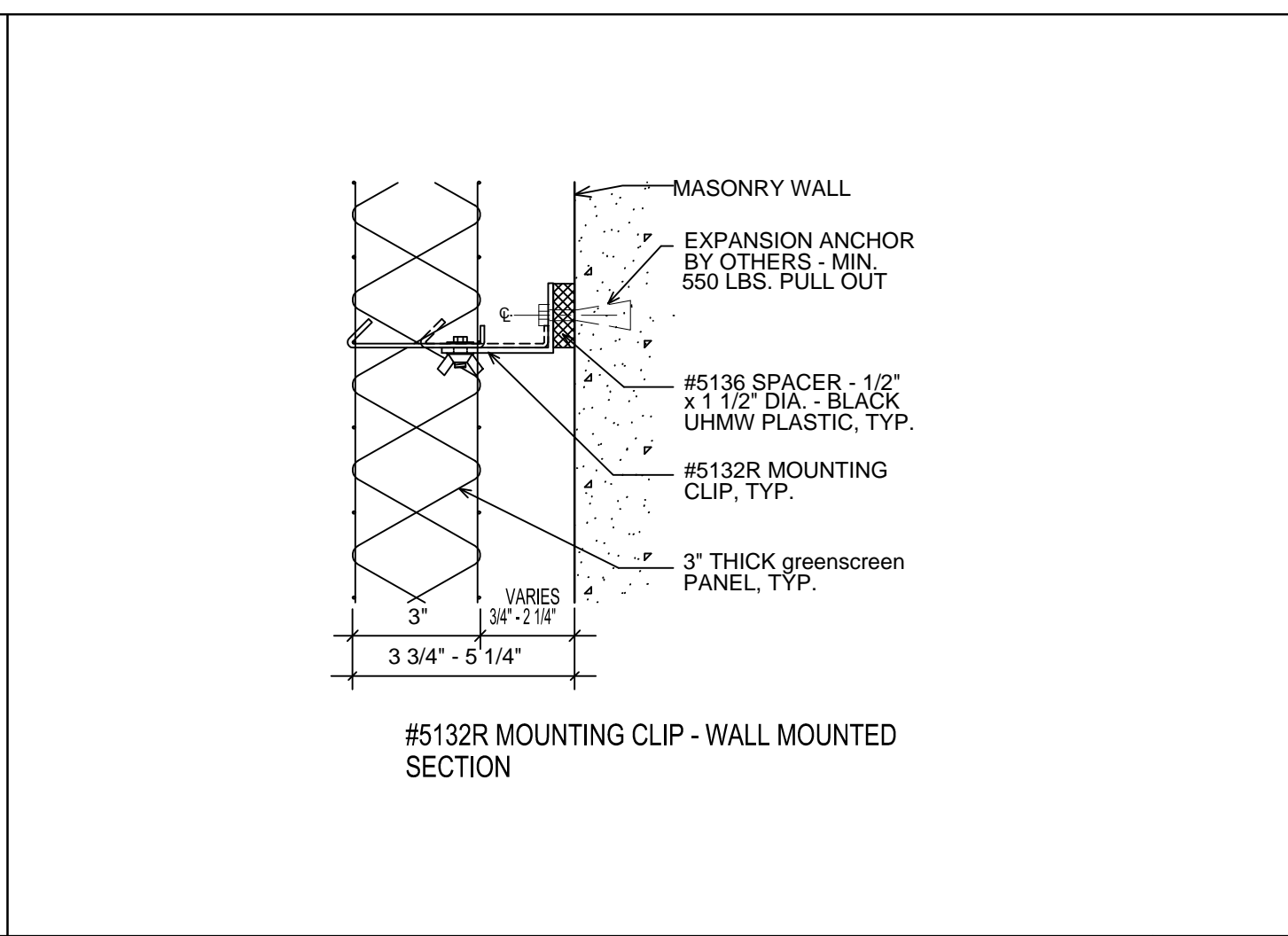


PROJECT NO: 73753
DRAWN BY: PAV/GL
CHECKED BY: JLP
DATE: April 25, 2013

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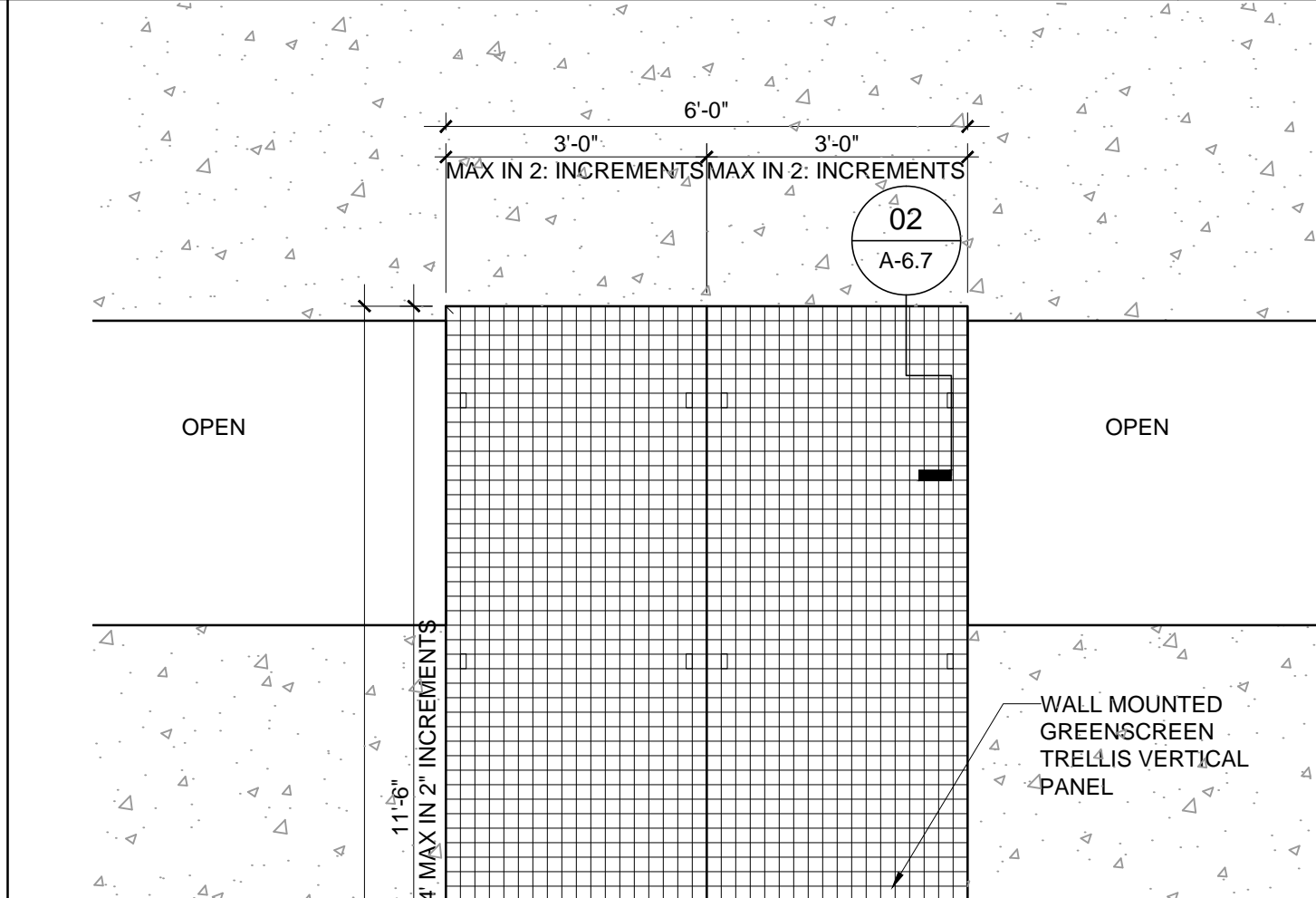
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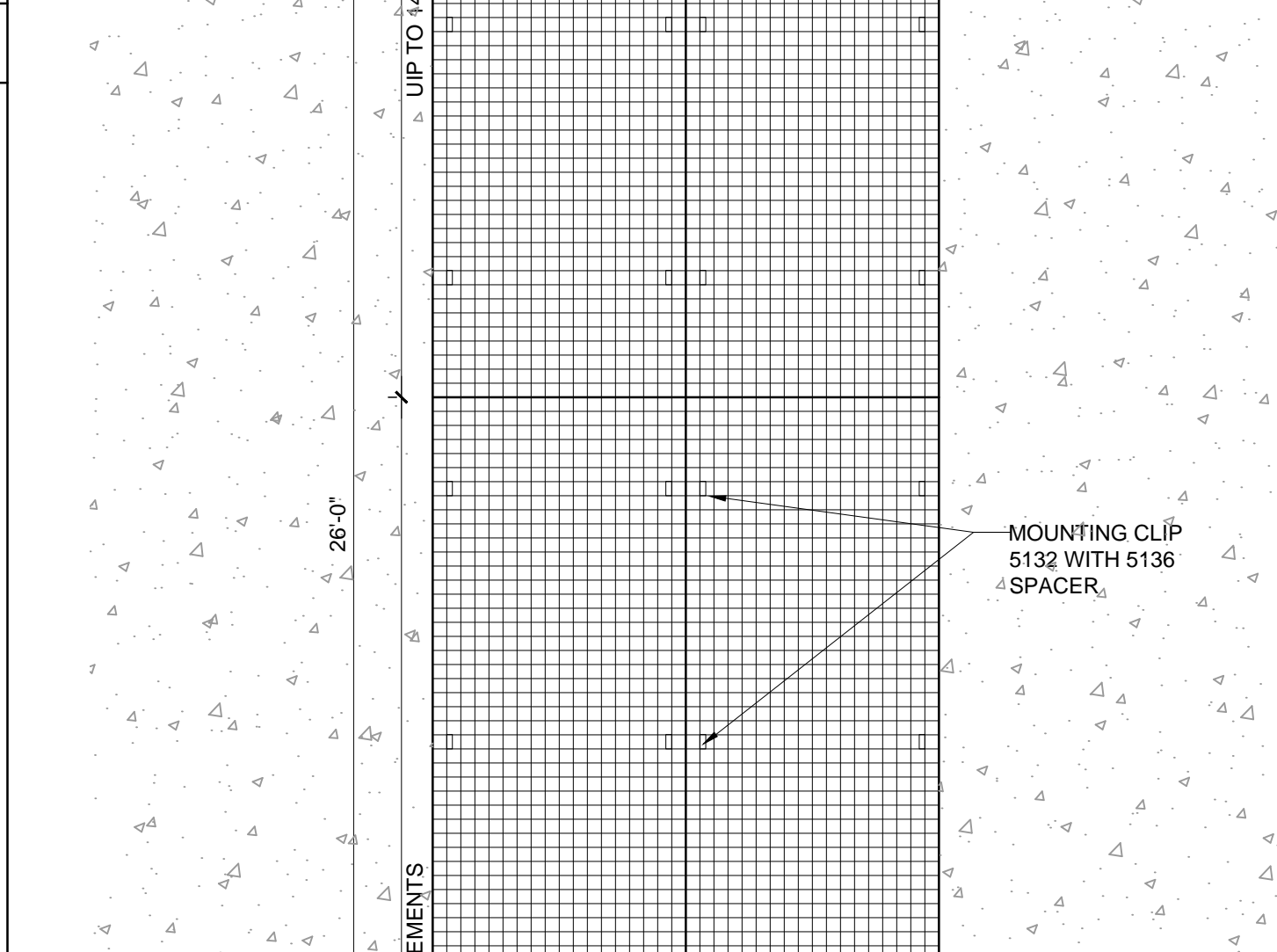
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MOUNTING CLIP DETAIL- WALL MOUNTED	SCALE: 3"=1'-0"	02
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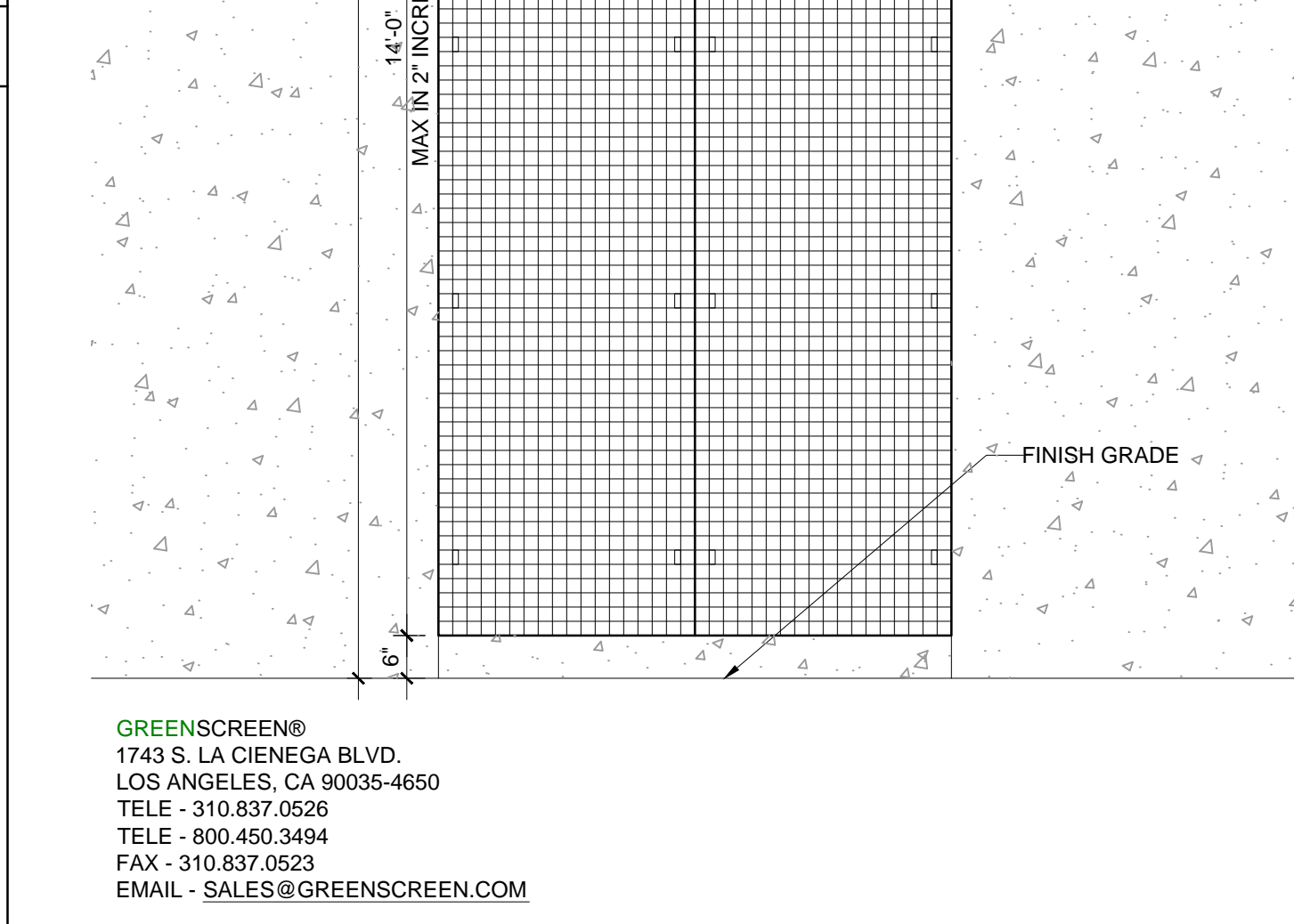
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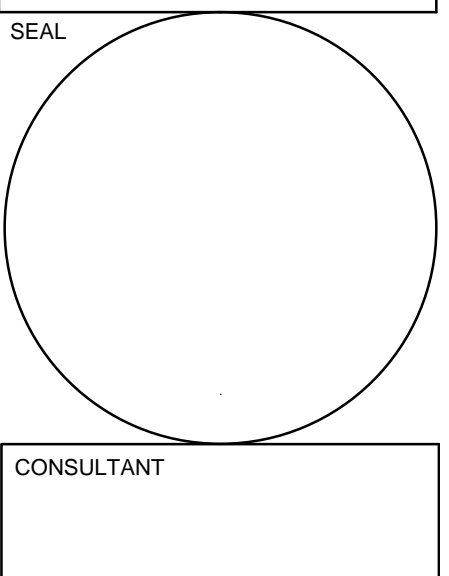
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REVISIONS :

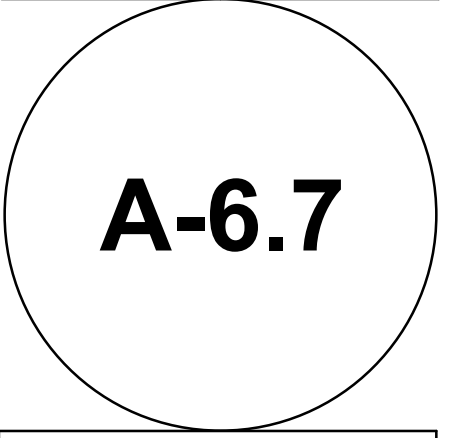


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GUNTHER VOLKSWAGEN
 4300 NORTH STATE ROAD 7
 COCONUT CREEK, FLORIDA 33073

SITE AMENITIES

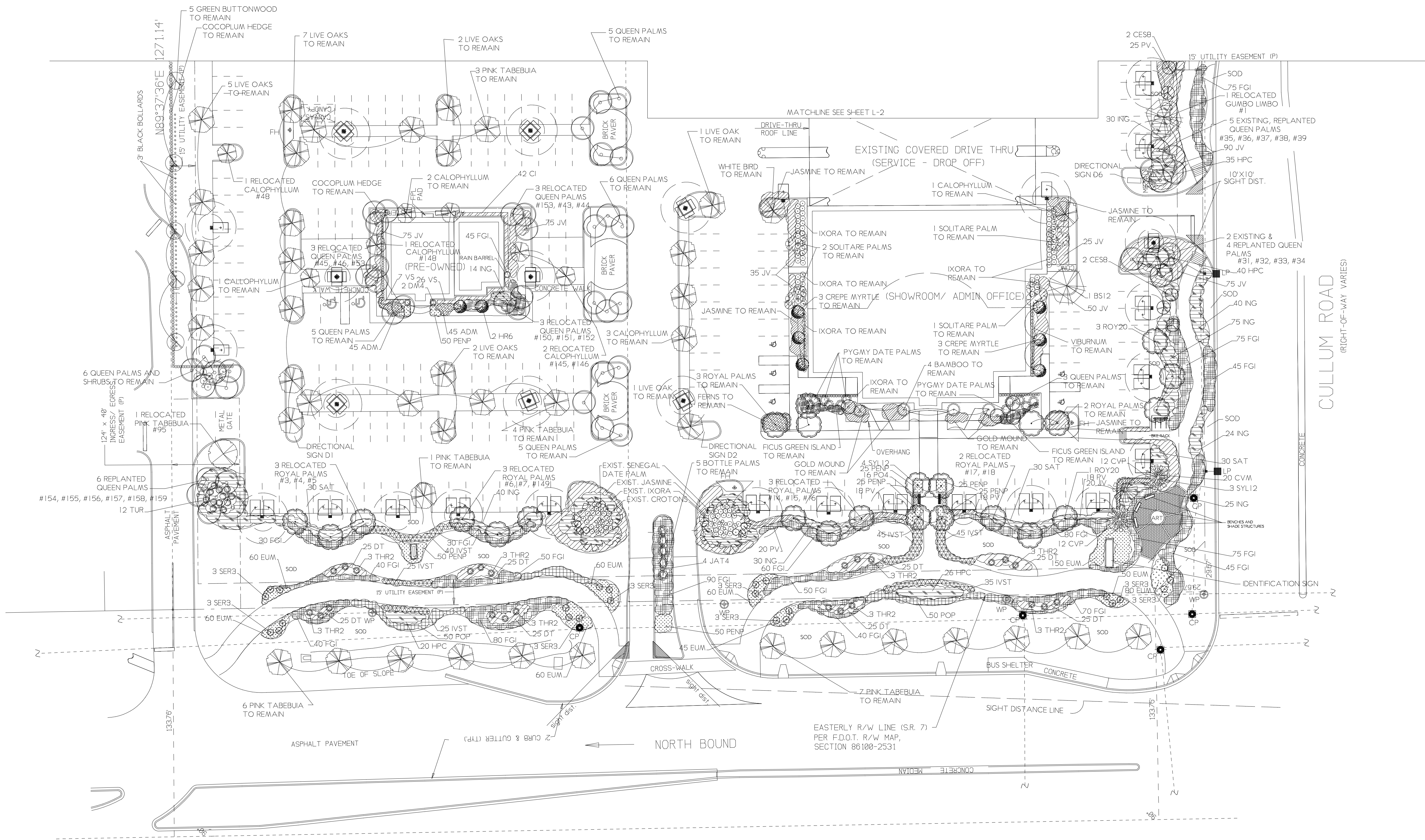


PROJECT NO.	73753
DRAWN BY :	PAV/GL
CHECKED BY :	JLP
DATE :	April 25, 2013

NOT USED	SCALE: NTS	03	NOT USED
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GREENSCREEN TRELLIS PANEL	SCALE: 1/2"=1'-0"	01
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T:\BCK\073753\073753 - Gunther VW Expansion\Arch Drawings\3 Site Plan Approval (DWG)\Sheet\073753_A-6.7 Site Amenities.dwg - 4/25/2013 1:46:54 AM GL



STATE ROAD No. 7 (U.S. 441)

NOTE: SEE ARCHITECTURAL SHEET A-6.6 FOR CUT SHEETS ON ALL SITE AMENITIES.

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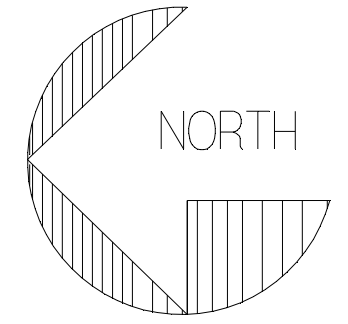
NO	REVISIONS
1	JAN. 23, 2013
2	APRIL 22, 2013

SCALE: 1" = 30'
DATE: DEC. 20, 2012
DRAWN BY: M.J.P.

LANDSCAPE RENOVATION PLAN FOR GUNTHER VOLKSWAGON
STATE ROAD 7, COCONUT CREEK, FLORIDA

Michael J. Petrow and Associates, Inc.
Landscape Architecture
P.O. Box 8801, Coral Springs, FL 33076
Phone: (954) 446-9659 FL Reg. 4382

SHEET NO: L-1
OF: FOUR



PLANT LIST GUNTHER WV

NOTE: The quantities on this plant list are to be used as a guide only. Bidder shall not 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 GRADES AND STANDARDS FOR FLORIDA NUMBER ONE QUALITY OR BETTER

SYM	ONT	BOTANICAL NAME	COMMON NAME	OA HEIGHT	SPREAD	TRUNK SPECS	TRUNK DIA.	COMMENTS
ADM	50	Asparagus densiflorus 'Myers'	Foxtail Fern	18"-10'				
BS14	6	Bursera simaruba	*Gumbo Limbo	14'	7'	4.5CT	3'dbh	Full Gal.
BVT10	9	Bougainvillea Spp.	Bougainvillea	10'	5'			Trellis Full
CE58	15	Conocarpus erectus serotinus	Silver Buttonwood	8'	5'	4ct		Full
CI	642	Chrysalobalanus icaco	*Cocoplum	24"	18"			Full Gal.
CVM	20	Codiaeum variegatum 'Mammey'	Mammey Croton	24"	18"			3 Per Pot
CVP	24	Codiaeum variegatum 'Petra'	Petra Croton	24"	18"			3 Per Pot
DM4	2	Dracaena marginata	Dracaena	4'	2'			4 Hds. Min.
DT	300	Dianella tasmanica	Blueberry Flax Lily	8"	8"			Full Gal.
EUM	625	Euphorbia Millii 'dwarf'	Dwarf Crown of Thorn	8"	8"			Full
FAKD	37	Tripsacum floridanum	Dwf Fakahatchee Grass	24"	18"-24"			Full
FGI	1355	Ficus microcarpa	Green Island Ficus	18"	18"			Full
GG	90	Galpalmia gracilis	Thyatis	24"	18"			Full
HPC	211	Hamelia patens compacta	*Dwarf Firebush	18"-24"	18"			Full
HR6	2	Hibiscus rosa-sinensis	Chinese Hibiscus	6'	3'-4'	3CT	1.5' dbh	Tree Std.
ING	508	Ixora 'Nora Grant'	Nora Grant Ixora	24"	18"			Full
IVST	215	Ilex vomitoria nana 'Stokes'	*Dwarf Stokes Yaupon Holly	24"	18"			Full
JAT4	4	Jatropha integrirama compacta	Coral Berry	4'	3'			Full
JV	2070	Jasminum volubile	Wax Jasmine	24"	18"			MULT
LJ10	8	Ligustrum japonicum	Wax Privet	10'	6'	4CT		Full
PENP	250	Pentas Pink	Pentas Pink Dwarf	6"-8"				Full
PO4	16	Podocarpus makii	Yew Podocarpus	4'	24"			Full
POP	385	Podocarpus macrophyllus Pringles	Pringles Dwarf Podocarpus	18"	18"			Full
PV	164	Pittosporum 'Variegata'	Variegated Pittosporum	24"	18"			Full
ROY20	4	Roystonia elata	*Florida Royal Palm				20 GW	
SAGC	90	Schefflera arboricola 'Gold Capella'	Var. Schefflera	24"	18"			
SAT	90	Schefflera arboricola 'Trinette'	Dwarf Var. Schefflera	24"	18"			
SER3	24	Serenoa repens	*Saw Palmetto	14"	14"			
SYL12	7	Phoenix sylvestris	Sylvester Palm				12 CT	
THR2	24	Thrinax radiata	*Thatch Palm	2'				
TUR	12	Turneria ulmifolia	Yellow Alder	24"	18"			
VM16	11	Vetelia montgomeryana	Montgomery Palm	22"			16CT	
VS	73	Viburnum suspensum	Sandankwa Viburnum	24"	18"			

OTHER LANDSCAPE MATERIALS:

MUL	Mulch (in Bags)	As needed
SOIL	Planting Soil (Cubic Yards)	As needed
SOD	TO BE MEASURED IN FIELD	LOCATION AS SHOWN ON PLAN & GENERAL SPECIFICATIONS

LANDSCAPE DATA

- SEC. 13-443.4
 LANDSCAPE OPEN SPACE: 187280 SF (EXCLUDING RETENTION POND)
 187280 SF / 1000 = 187 OPEN SPACE TREES REQUIRED AND PROVIDED
 935 OPEN SPACE SHRUBS REQUIRED AND PROVIDED
- 7a. CORNER LOT: 1 TREE AND 4 SHRUBS REQUIRED AND PROVIDED
 7b. LANDSCAPE TO CANAL AND STREET EDGE REQUIRED AND PROVIDED
 7c. PERIMETER BUFFERS AS PER PCD PROVIDED
- 7e. BUILDING PERIMETER: 1 TREE, 20 SHRUBS, 30 GROUND COVER / 40 LF REQUIRED, PROVIDED: MAIN DEALERSHIP BLDG: 380 LF / 40 = 10 TREES, 200 SHRUBS, 300 GROUND COVER
 PRE-OWNED BLDG: 234 LF / 40 = 6 TREES, 120 SHRUBS, 180 GROUND COVER
 NEW GARAGE BUILDING: 849 LF = 141 LF ACCESS - 708 LF / 40 = 18 TREES
 360 SHRUBS, 540 GROUND COVERS
10. PERIMETER LANDSCAPE REQUIRED AND PROVIDED:
 NORTH PROPERTY LINE BUFFER: 1 TREE / 40 LF AND CONTINUOUS HEDGE
 1271 LF / 40 = 32 TREES AND CONTINUOUS HEDGE
 EAST PROPERTY LINE BUFFER: 831 LF / 40 = 21 TREES AND CONTINUOUS HEDGE
 US441 = 520 LF / 40 = 13 TREES REQUIRED AND PROVIDED
 CULLUM ROAD: 1087 LF / 40 = 27 TREES REQUIRED AND PROVIDED
- 11a. SCREEN STORAGE AND DUMPSTER AREAS REQUIRED AND PROVIDED
 12a. PARKING INTERIOR: 1 TREE / 10 SPACES REQUIRED AND PROVIDED
 793 SPACES / 10 = 80 TREES PROVIDED
- 12c. PARKING MEDIANS: 1 TREE / 40 LF REQUIRED
 758 LF / 40 = 19 TREES PROVIDED
13. STREET TREES REQUIRED: 1 / 40 LF ON US441
 1 / 30 LF ON CULLUM ROAD UNDER POWERLINES
 US 441: 520 LF / 40 = 13 TREES REQUIRED / PROVIDED
 CULLUM ROAD: 1087 LF / 40 = 27 TREES REQUIRED / PROVIDED

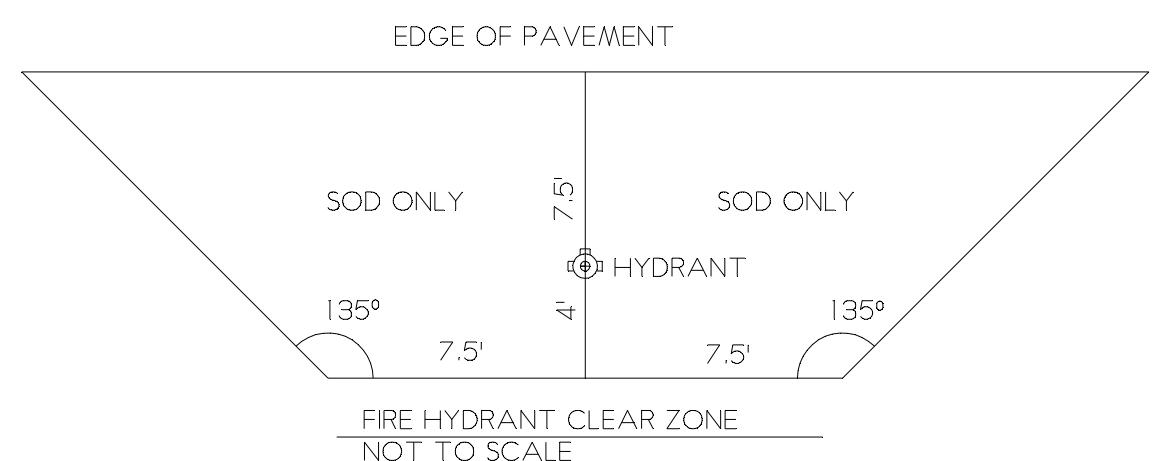
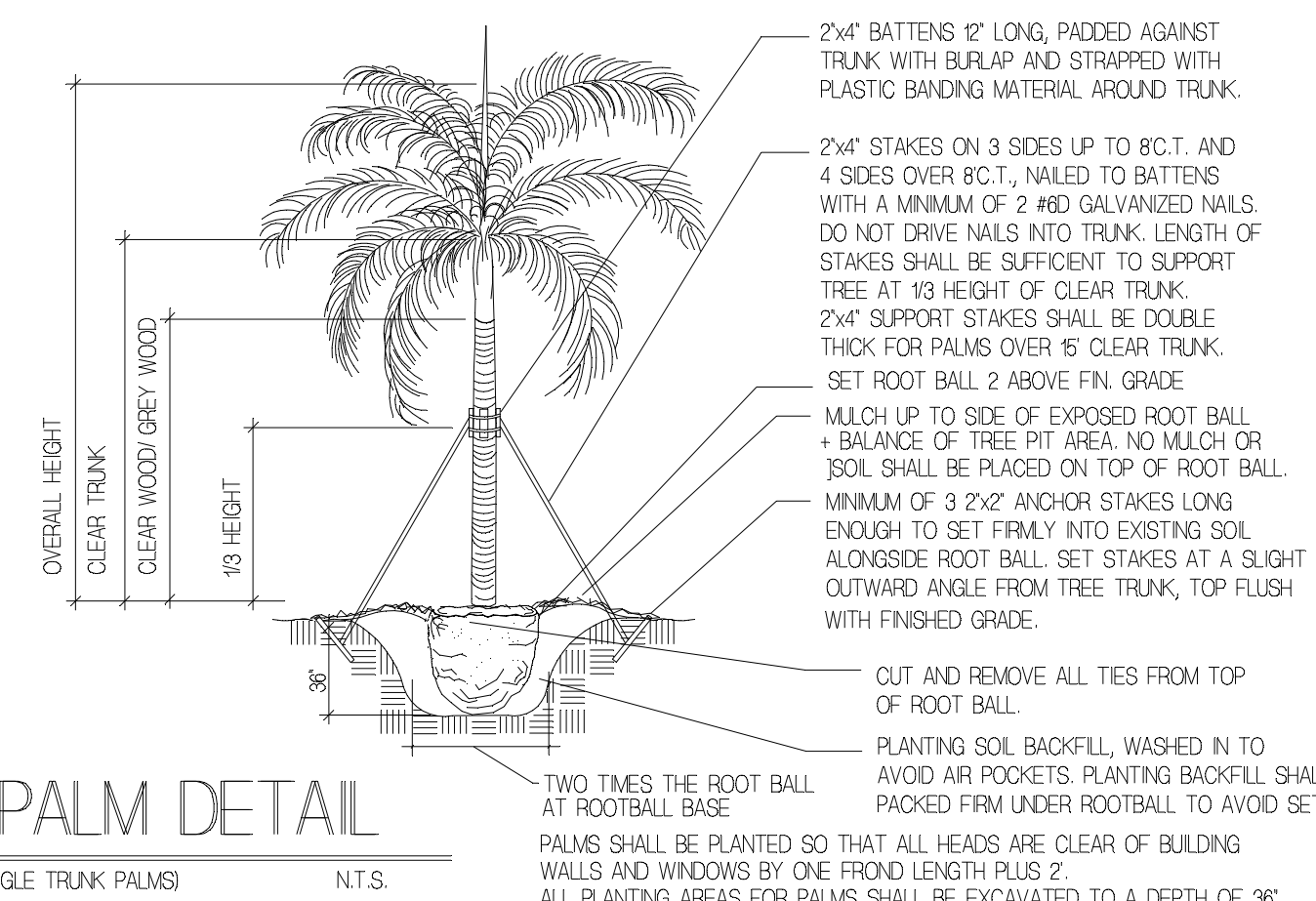
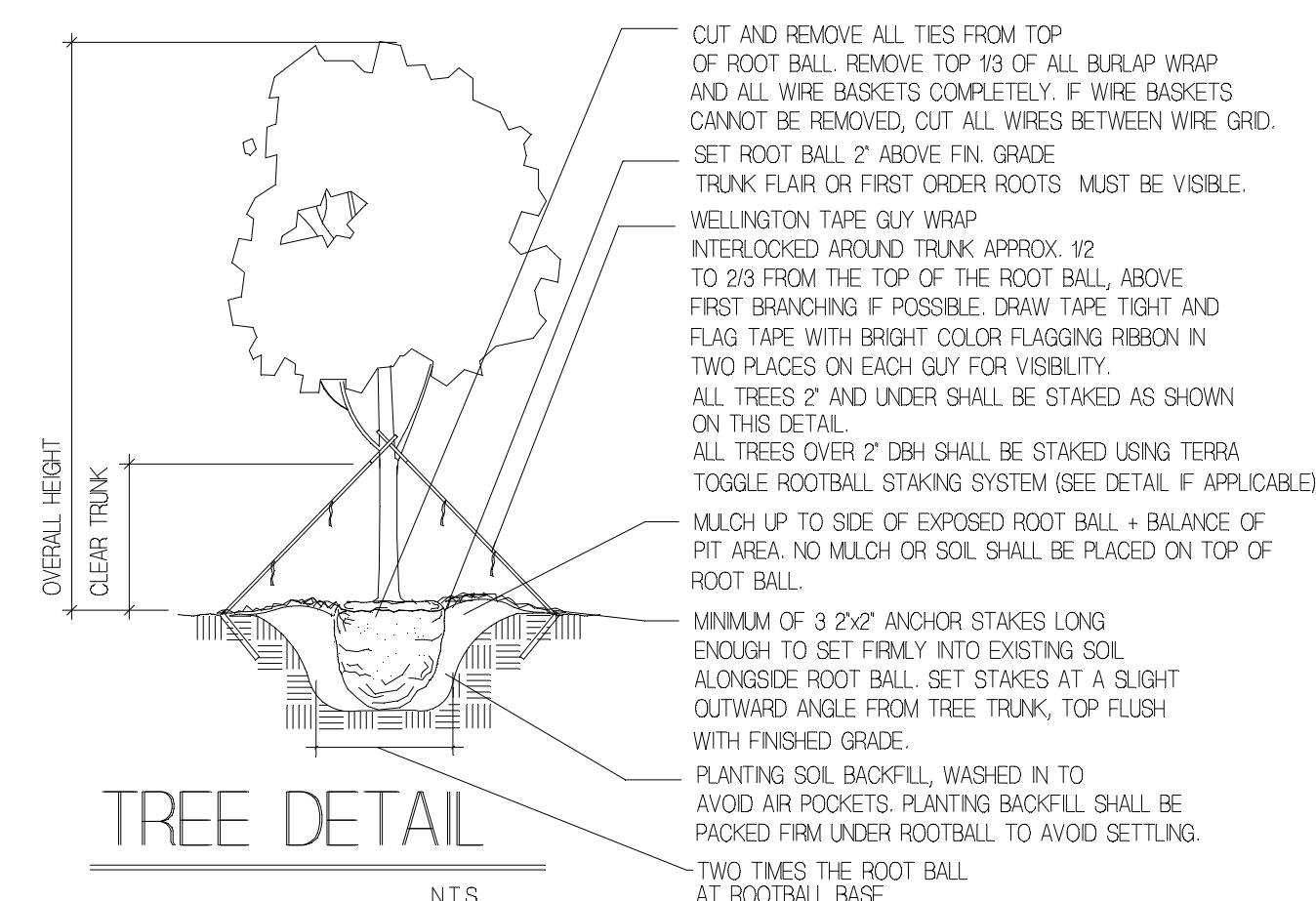
CANOPY COVERAGE EXPECTATION BY YEAR 2020:

CATEGORY 1 TREES ON SITE = 30,900 SF
CATEGORY 2 TREES ON SITE = 15,450 SF
CATEGORY 3 TREES ON SITE = 15,500 SF
CATEGORY 4 TREES ON SITE = 1000 SF
TOTAL = 62,850 SF CANOPY COVERAGE
SITE AREA = 770,746 SF
62,850 SF / 770,746 = 8.15% CANOPY COVERAGE

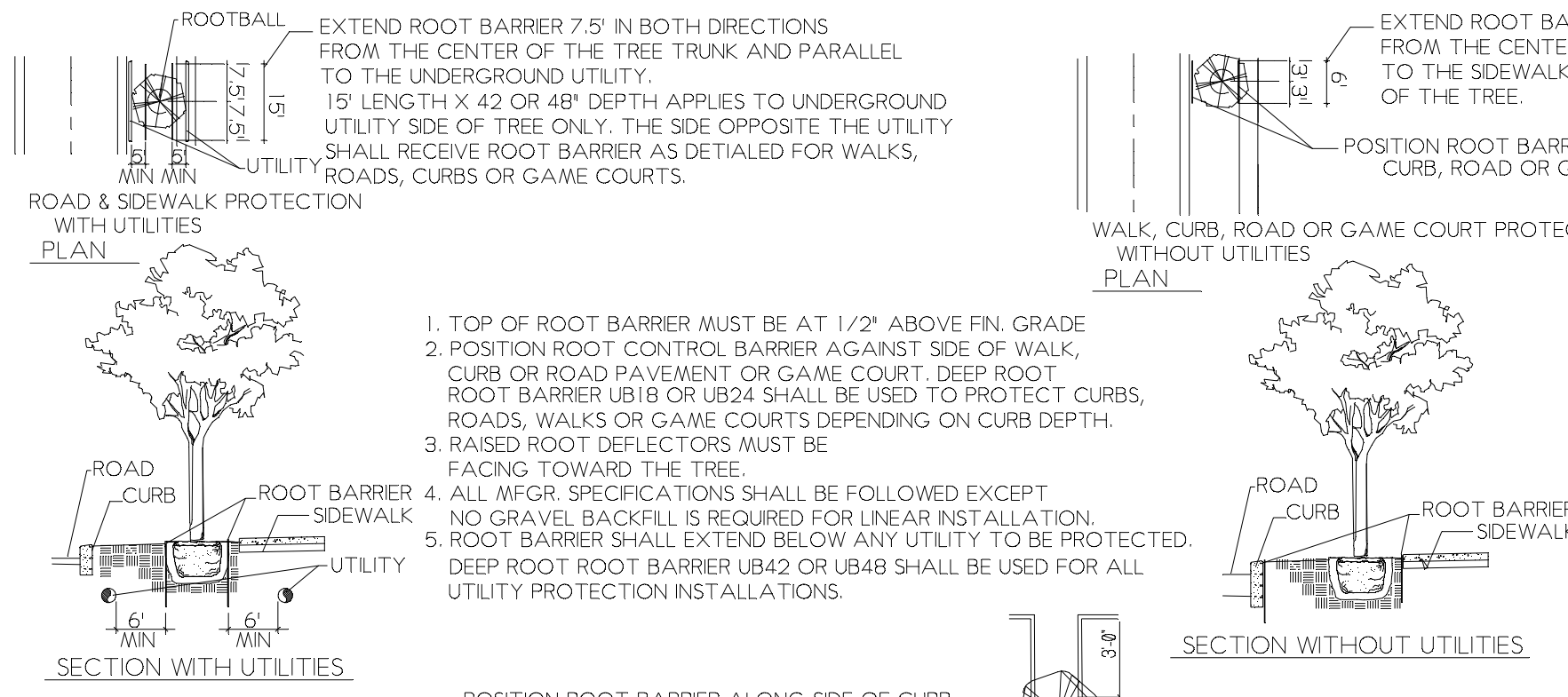
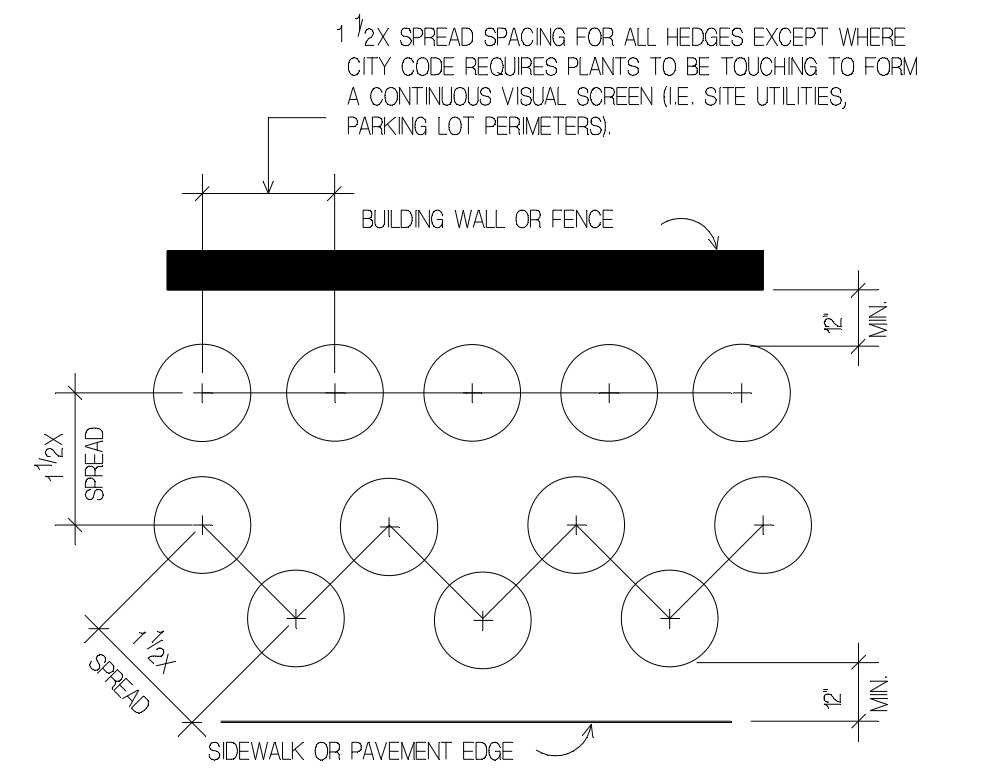
CITY OF COCONUT CREEK
 STANDARD LANDSCAPE NOTES

- All landscape and specifications shall meet or exceed the minimum requirements as provided in the City of Coconut Creek Land Development Code. Plans are incomplete without written 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 tipped, topped, or shaped prior to 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/or per the requirements of the utility as necessary. All hedge material required for screening purposes shall be planted with branches touching. Adjust on-center spacing as necessary and/or provide additional plants to provide an adequate screen.
- Sight distance concerns must be maintained for clear sight visibility from thirty (30) inches to seventy-two inches, tree trunks excluded. Measurement shall be made from top of root ball planted at proper elevation.
- Guying/staking practices shall not permit nails, screws, wires, etc., to penetrate outer surfaces of trees, palms or other plant material. Trees, palms and plant material rejected due to this practice 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 the tree or shrub.
- All plant material shall be free of pests, insects, disease, weeds, etc.
- All required landscape material shall be installed using a planting soil mix comprised of a type appropriate to the individual proposed plant material and the native soil found on the site.
- All plant material shall be planted at the proper depth, as originally grown and/or so the top of the root ball is flush or slightly above finished grade immediately after planting. All trees should provide trunk taper when properly planted at the correct planting depth.
- All plant material shall be watered in at time of planting to eliminate air pockets in the root zone area.
- Color-treated or dyed mulch will not be accepted.
- Upon completion of work, the site shall be cleared of all debris, superfluous materials, and equipment caused by this 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 a 50% overlap (minimum) using rust 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 and/or provided onto 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 5:00 p.m. to 8:00 a.m. only or as further restricted by South Florida Water Management District or other jurisdictional agency.
- Irrigation permits and plans shall be submitted for approval at time of building permits.
- 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, berms, landscape entry features, etc. leading up to and including the model center and/or first certificate of occupancy must be completed and functional prior to issuance of the first requested certificate of occupancy.
- The height of all required, designed and installed berms shall be from the highest adjacent point whether it is the sidewalk, parking area, vehicular use area, surrounding ground, etc. Where a berm abuts a sidewalk, there shall be a one (1) foot level soil area adjacent to the sidewalk prior to the start of incline for the berm.
- An inspection is required prior to the backfilling of trees/palms in all parking medians and islands.

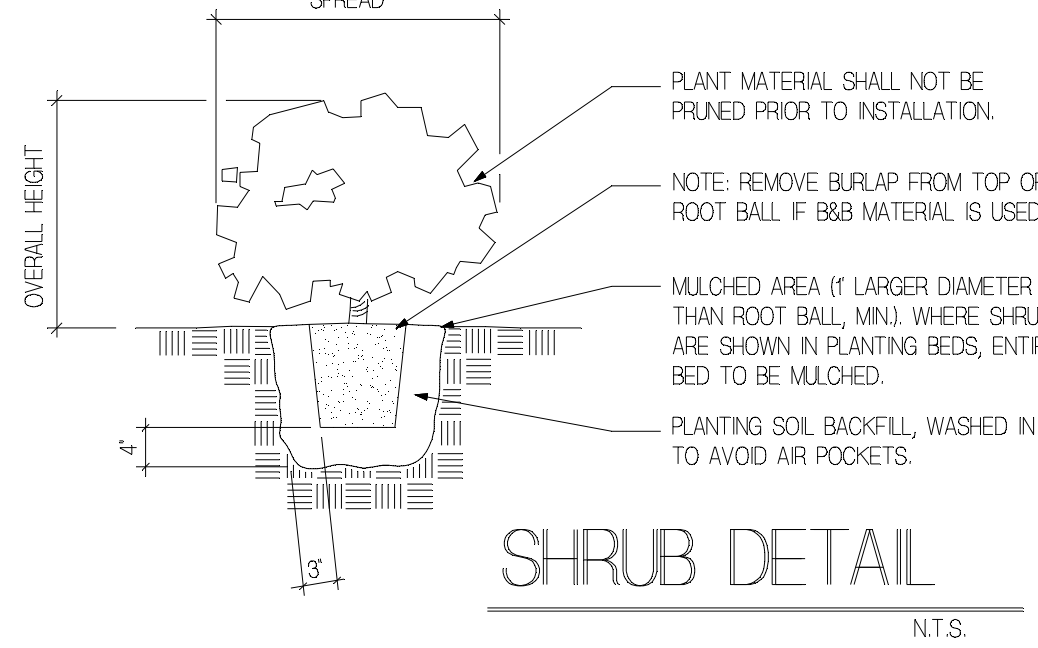
NOTE: THIS COMMENT SHEET IS TO BE PLACED ON ALL LANDSCAPE PLANS "AS IS".
 E:\Development Services\Planting Documents\Standard Landscape Notes.doc



FIRE HYDRANT CLEAR ZONE REQUIREMENTS APPLY TO FIRE HYDRANTS, SIAMASE CONNECTIONS AND ANY OTHER FIRE EQUIPMENT FOR UTILIZING HOSE ON PUBLIC OR PRIVATE PROPERTY.
 BY AUTHORITY OF THE SOUTH FLORIDA FIRE PREVENTION CODE SECT. 5211.2 THE CLEAR ZONE SHALL BE FREE OF LANDSCAPE (EXCEPT SOD), MAILBOXES, PARKING, LAMP-POSTS AND ALL OTHER OBJECTS. EXCEPTIONS: OTHER FIRE FIGHTING EQUIPMENT OR TRAFFIC POSTS TO PROTECT FIRE FIGHTING EQUIPMENT.



POSITION ROOT BARRIER ALONG SIDE OF CURB
 PARKING ISLAND PROTECTION PLAN
 NOT TO SCALE
 ROOT BARRIER SHALL BE USED ON ALL TREES AND PALMS PLANTED WITHIN 6' OF ANY PUBLIC INFRASTRUCTURE, ROAD, SIDEWALK, ROAD OR GAME COURT, CURB OR UTILITY. TENNIS AND GAME COURTS SHALL HAVE ROOT BARRIER CONTINUOUS ALONG COURT EDGE BETWEEN HEDGE ROWS AND COURT IN ADDITION TO TREES AND PALMS.



CITY ENGINEERING NOTES:
 1. ALL TREES SHALL BE A MINIMUM OF 7 FEET AWAY FROM ALL PROPOSED AND EXISTING CITY UTILITIES AND HAVE AN EFFECTIVELY MAINTAINED ROOT BARRIER TO PROTECT THE SAME WITH A MINIMUM HORIZONTAL SEPARATION OF 6 INCHES OUTSIDE OF THE UTILITY EASEMENT.
 2. REPLACEMENT TREES AND PALMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF PLANTING.

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, part I (current edition) and part II (current edition). All tree trunk calipers shall be measured at 4 1/2" above top of root ball.
 Landscaping shall be placed to edge of abutting streets, canals, lakes or other lands.
- 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 foot (6') of clear trunk or greater shall be staked as detailed.
- All trees shall be planted so that heads will be clear of building walls and windows at mature spread. Trees shall not be located closer than fifteen feet (15') from light poles. Locations of all trees planted in Rights-Of-Way or utility easements shall be confirmed by the landscape contractor with the City Engineer before installation.
- 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. Trees rejected due to this type of damage shall be replaced with the inspector on site. Burlap material, wire cages, plastic straps, etc. must be cut and removed from the top one-half (1/2) of the root ball. Trees grown in 'grow bag' type of materials must have the 'grow bags' removed entirely prior to planting the tree.
- All major trees within or overhanging pedestrian areas shall have a clear trunk high enough to allow unobstructed pedestrian movement under trees.
- All hedges shall be planted with twelve inches (12") clear space between outer branches and building walls, fences or pavement edges at the time of planting. Required hedge plants shall be planted with branches touching, as required by municipal code. All mechanical equipment, air conditioning, irrigation pumps, FPL transformers, pool pumps, etc., must be screened on three (3) sides by shrubs.
- Irrigation source shall be from well 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 shall operate and be designated to operate between the hours of 5:00 PM and 8:00 AM. 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.
- Planting soil shall be at least 50% muck and 50% sand pulverized and weed free, to be mixed with existing soil free from rocks and debris and backfilled into plant pits by existing. In planting soil for Sabal Palms shall be clean sand. Existing soil may be used for planting soil if approved by the Landscape Architect.
- Fertilizer for trees and shrubs shall be a general purpose 50% organic fertilizer (6-6-6) with minor elements, iron and manganese and shall be mixed with the planting soil at the time of backfilling. Fertilizer for palms shall be a palm special type to include manganese and magnesium sulfate. Application rates for all fertilizers at the time of planting shall be 1/2 the manufacturers recommendations for established plants.
- Mulch shall be shredded cypress, eucalyptus or florimulch grade 'B' or better set at a 2" minimum depth and wet down to prevent wind displacement. No dyed or colored mulch will be accepted.
- Sod shall be Stenotaphrum secundatum 'Floritan' solid sod, weed free and set with staggered joints. Sod shall be placed on all areas not used for buildings, vehicular use areas, walks or planting beds and shall extend to any abutting street pavement edge and to the mean waterline of any abutting canal, lake or waterway. Sod shall be placed no closer than two (2) feet from the trunk of any tree.
- Planting plans take precedence over plant lists. The Landscape Contractor shall be responsible for doing his own takeoff. The Landscape Contractor shall familiarize himself with the municipal code and deed restrictions of the City of Coconut Creek. All existing codes, specifications, and deed restrictions shall apply. All landscaping shall meet or exceed these minimum requirements as stated in the City of Coconut Creek Land Development Code. The more stringent requirements shall apply.
- The Landscape Contractor shall be aware of the locations of all easements and utilities above and below ground and coordinate plant locations before digging operations begin. All plant pits located in easements shall be hand dug.
- The Landscape Contractor shall provide a written guarantee to the Owner for all plant materials and workmanship for a period no less than one year days from the time of final inspection and acceptance by the Owner.
 At the end of the guarantee period, all plant materials shall be inspected by the Landscape Contractor and the Owner. All plants that are in a healthy, growing condition at the time of the inspection shall be free from further guarantee and shall be the Owners responsibility. All plants that are in questionable condition due to transplant shock shall continue under the guarantee until recovery or, if deemed severely retarded in growth or dead, shall be replaced. Replaced plant material shall be guaranteed for the same time period and under the same conditions as the original plant material. This guarantee does not apply if the plant materials have not been maintained by the Owner as instructed by the Landscape Contractor, are damaged by storms, vandalism, insect or freeze damage or acts of God beyond the Landscape Contractors control. All plants shall be free from harmful plant pests at the time of planting.
- Sight distance concerns must be maintained for clear sight visibility from thirty (30) inches to seventy-two (72) inches, tree trunks excluded.
- All site amenities to include street and internal lighting, landscaped common areas, entrances, open space, irrigation, buffers, etc. leading to and including the first certificate of occupancy, must be completed and functional prior to the issuance of the requested certificate of occupancy.
- All common area landscape shall require permits from the City prior to installation.

THESE DRAWINGS ARE NOT VALID FOR SUBMITTAL OR CONTRACT NEGOTIATION UNLESS SIGNED, SEALED & DATED WITH ORIGINAL ENGINEER'S LICENSED SEAL BY THE LANDSCAPE ARCHITECT. UNSEALED & UNDATED DRAWINGS MAY BE USED FOR CLIENT PURPOSES & BIDDING ONLY.

RIGHT OF OWNERSHIP: The drawings, designs, engineering and data contained herein are the property of Michael J. Petrow and Associates, Inc. No part of these drawings may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the express written permission of the Landscape Architect. The user acknowledges that the user's use of these drawings is limited to the time of the plans preparation. No warranty either expressed or implied is hereby given.

NO REVISIONS

JAN. 23, 2013
APRIL 22, 2013

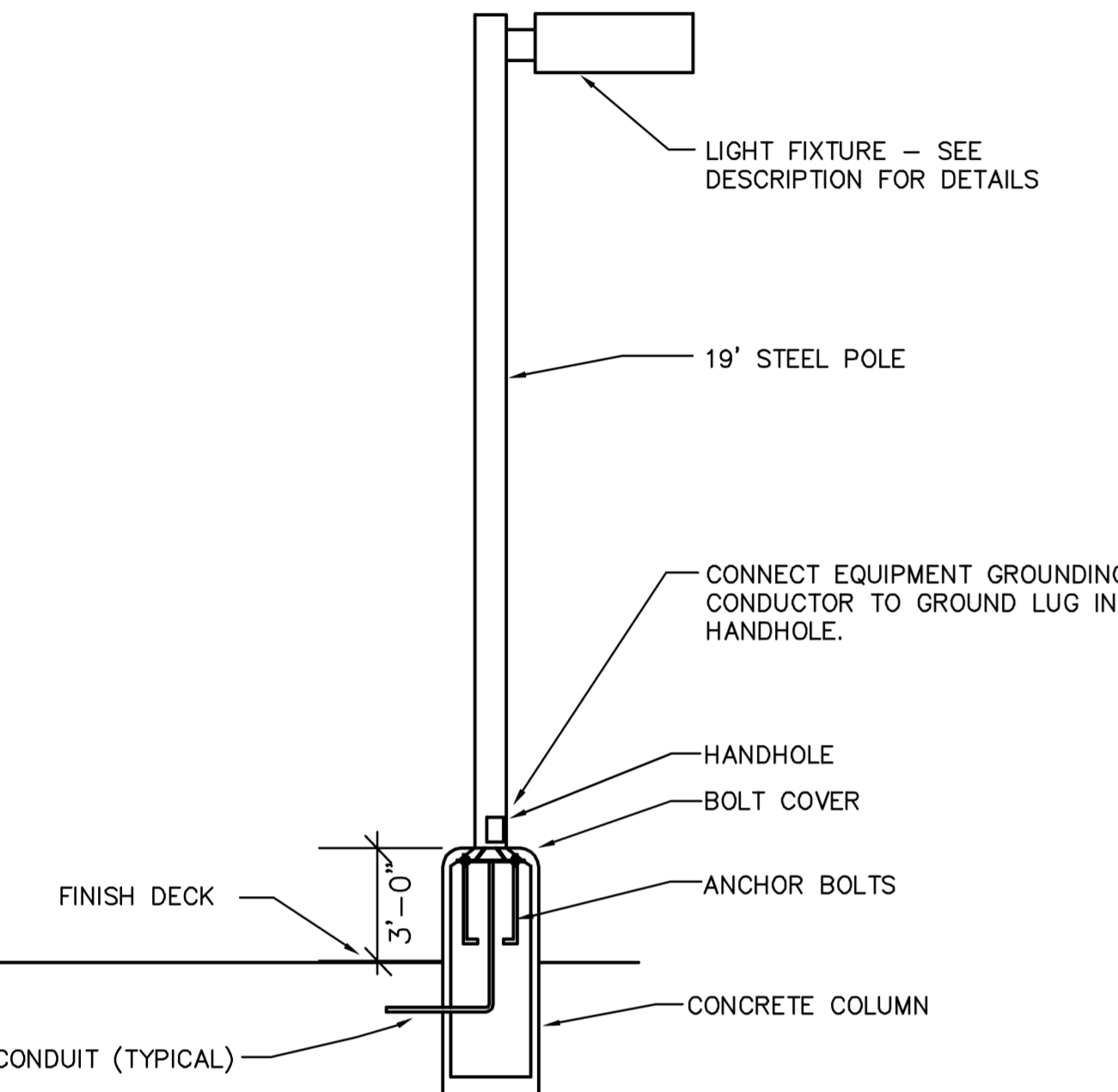
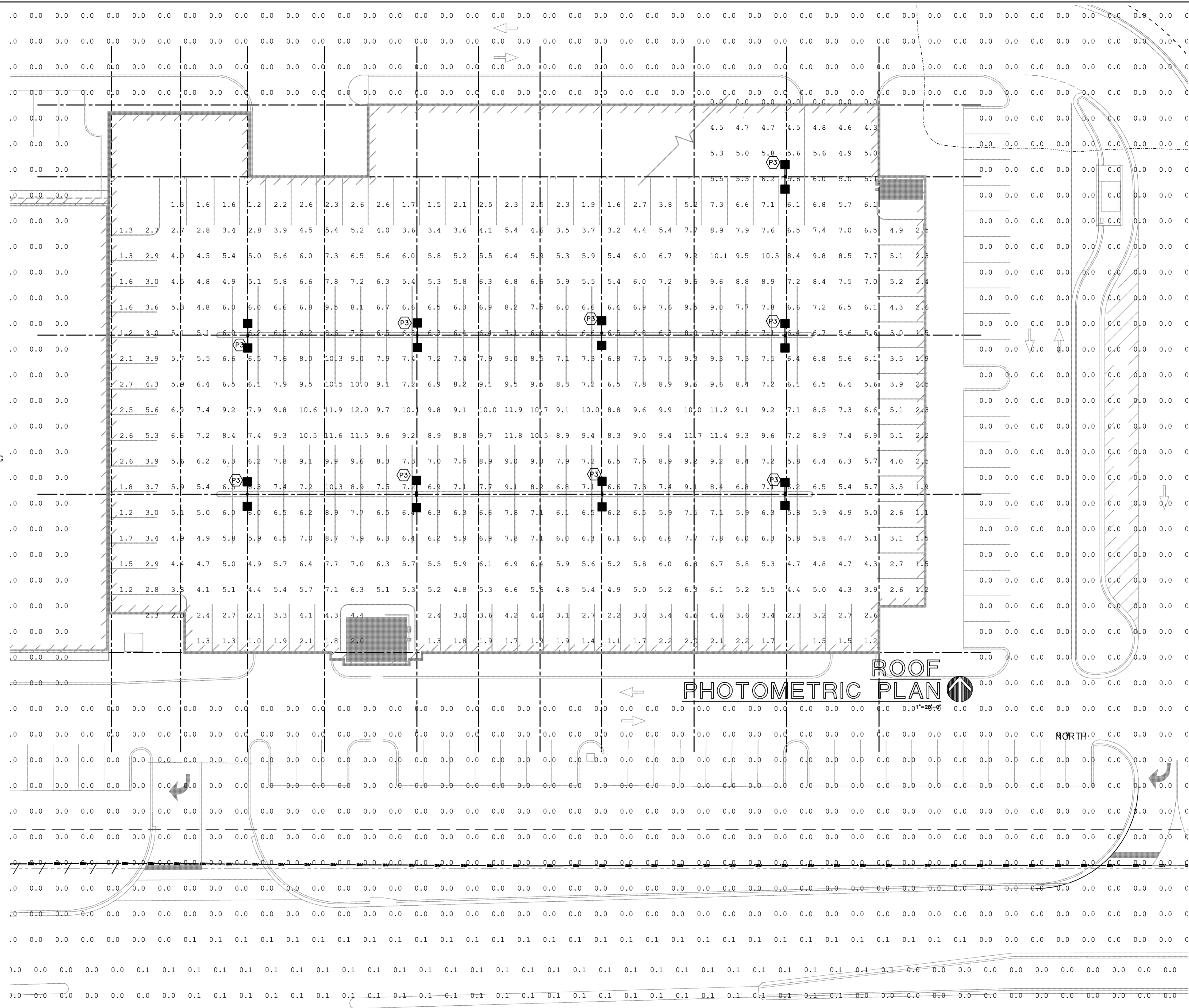
SCALE: 1" = 30'
 DATE: DEC. 20, 2012
 DRAWN BY: M.J.P.

LANDSCAPE DETAILS AND SPECIFICATIONS FOR GUNTHER VOLKSWAGON
 STATE ROAD 7, COCONUT CREEK, FLORIDA

Michael J. Petrow and Associates, Inc.
 Landscape Architecture
 P.O. Box 8801, Coral Springs, FL 33076
 Phone: (954) 446-9659 FL Reg. #382

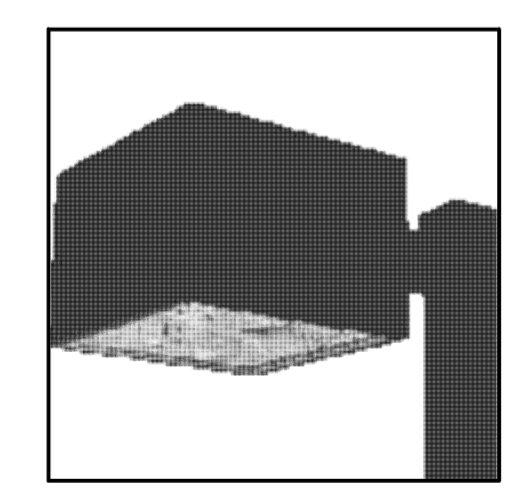
SHEET NO: L-4
 OF: FOUR

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**TYPICAL POLE DETAIL
(GARAGE DECK)**
NOT TO SCALE

NOTE:
THE POLE SUPPLIER SHALL CERTIFY THAT POLE WITH
FIXTURE AS SPECIFIED WILL MEET THE WIND LOAD
CRITERIA OF THE 2010 FLORIDA BUILDING CODE, SECTION
1620. PROVIDE SIGNED & SEALED CALCULATIONS BY A
REGISTERED FLORIDA ENGINEER



SPAULDING "MSV" SERIES
■ COLOR - WHITE

Luminaire Schedule						
Symbol	Label	(MANUFAC)	Description	Qty	Arrangement	Total Lamp Lumens L/F
☐	P3	SPAULDING LIGHTING MFD 22'	MSV-x-P40-V5P-F	9	BACK-BACK	42600 0.720

Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Avg/Min Max/Min
GARAGE Top 1 1	Illuminance	Fc	5.79	12.0	1.0	3.30 6.60
SITE Planar	Illuminance	Fc	0.02	0.7	0.0	N.A. N.A.

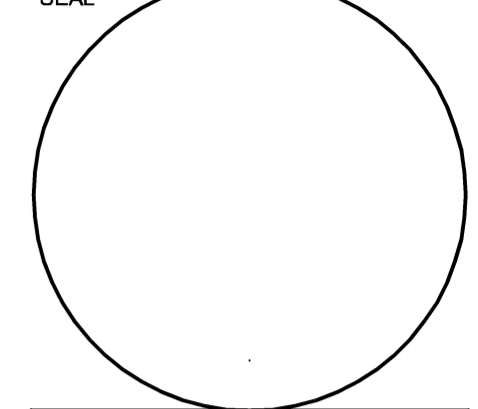
ISSUED FOR PERMIT
ISSUED FOR CONSTRUCTION

KAMM CONSULTING PROJECT # 2012-0704
PROJECT MANAGER: Jermaine Williams

KAMM Consulting 1407 West Newport Center Drive
Deerfield Beach, Florida 33442
Phone 954-949-2200 Fax 954-949-2201
engineering@kammconsulting.com
Certification of Authorization #8189

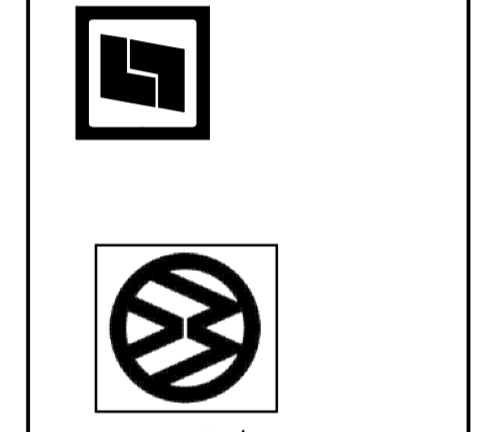
12-19-12
date
signed

REVISIONS:



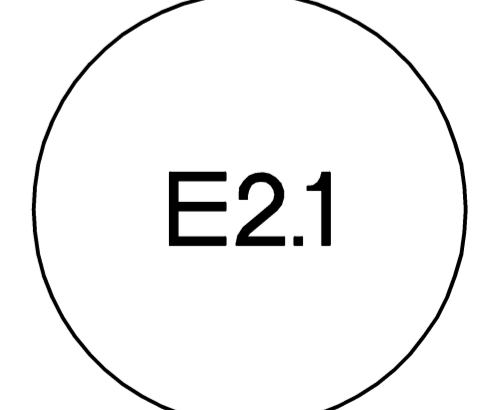
CONSULTANT

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



GUNTHER VOLKSWAGEN
4300 NORTH STATE ROAD 7
COCONUT CREEK, FLORIDA 33073

ROOF PLAN
PHOTOMETRIC



PROJECT NO.
73753
DRAWN BY:
PAV/GL
CHECKED BY:
JLP
DATE:
December 20, 2012



GUNTHER VOLKSWAGEN COCONUT CREEK, FLORIDA

PLANS FOR

PARKING GARAGE ADDITION MODIFICATIONS TO SITE WATER & SEWER SYSTEMS AND SITE PAVING, GRADING AND DRAINAGE

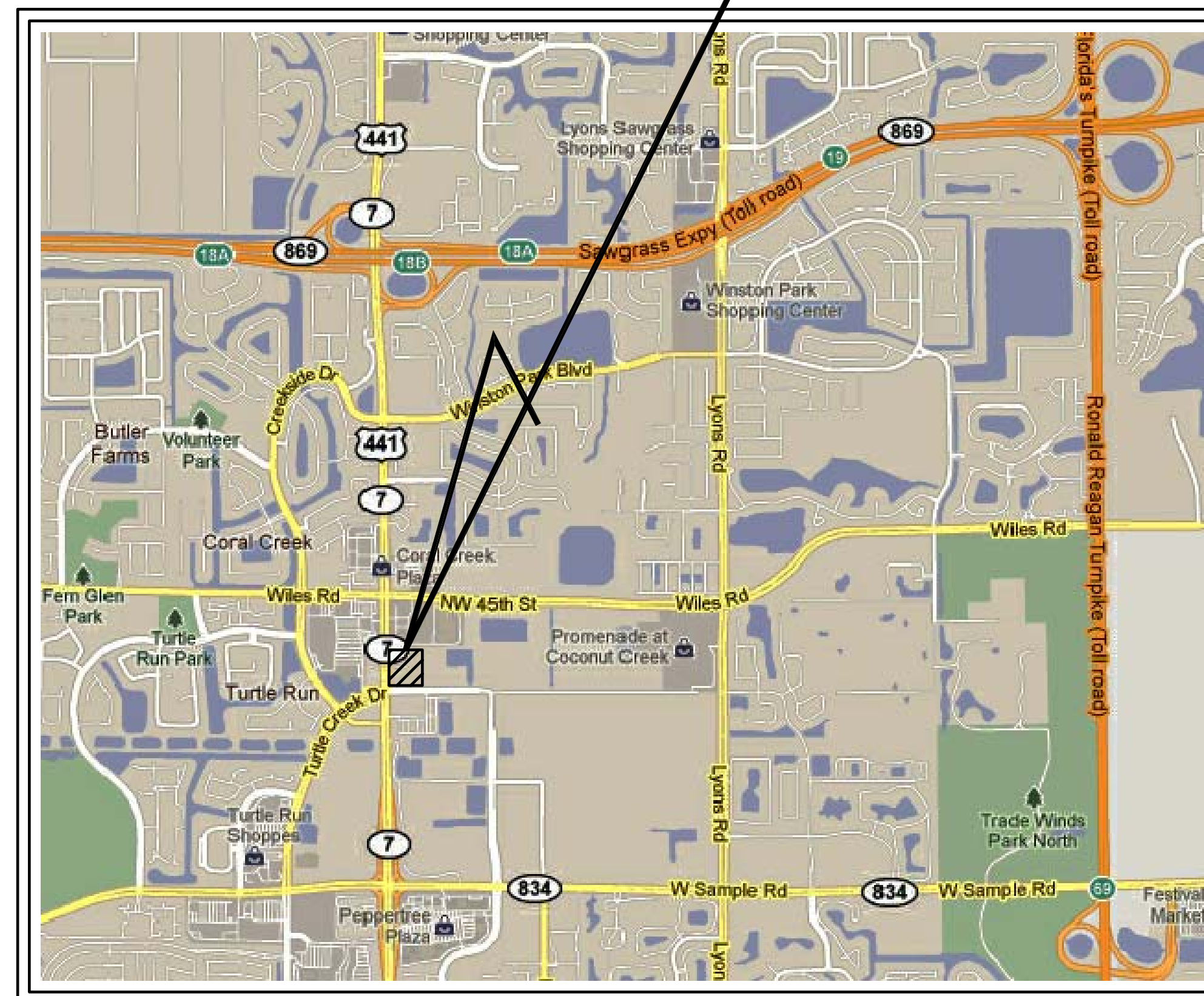
INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET / LOCATION MAP
2	NOTES, DETAILS, & TYPICAL SECTION
3	NOTES AND DETAILS
4	DEMOLITION PLAN
5	TEMPORARY PARKING PLAN
6	LAKE EXCAVATION & FILL PLAN
7	LAKE SECTIONS DETAILS AND NOTES
8	WATER AND SEWER PLAN
9	WATER DETAILS
10	WATER & SEWER DETAILS
11	GRADING AND DRAINAGE PLAN
12-13	DRAINAGE NOTES & DETAILS
14	PAVING & GEOMETRY PLAN
15	CONCRETE PAVEMENT PLAN
16	MAINSTREET SIDEWALK PLAN
17	SIGNING AND MARKING PLAN
18	POLLUTION PREVENTION PLAN
19	POLLUTION PREVENTION NOTES & DETAILS

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY BE ALTERED IN SCALE BY REPRODUCTION AND MY 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."

LOCATION OF PROJECT



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

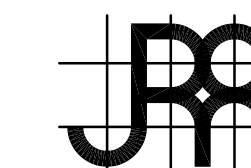
GUNTHER MOTOR COMPANY

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

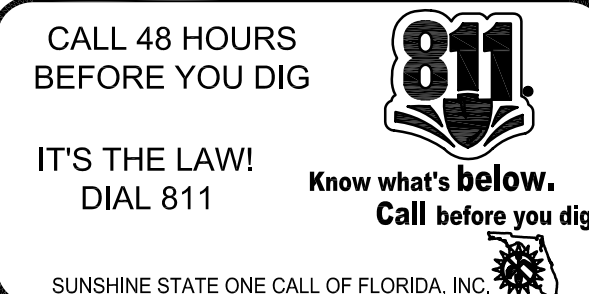
LOCATION MAP

CITY OF COCONUT CREEK, FLORIDA

SECTION 18, TOWNSHIP 48 S, RANGE 42 E

KEY SHEET REVISIONS

DATE	BY	DESCRIPTION
4/4/13	IK	ISSUED FOR PERMITTING AND BIDDING



CONCRETE PAVING AND GRADING NOTES

- CONCRETE FOR PAVEMENT SHALL BE FIBER REINFORCED AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI IN 28 DAYS. THE SUBGRADE MATERIAL UNDER ALL PAVEMENT SHALL HAVE A MINIMUM LIME ROCK BEARING RATIO OF 40. SUBGRADE SHALL BE COMPACTED TO A MINIMUM DENSITY OF 98% AS DETERMINED BY AASHTO T-180.
- THE TESTING OF SUBGRADE AND EMBANKMENT SHALL BE DONE PRIOR TO REQUESTING ANY INSPECTION BY THE CITY. 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.
- 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.
- GRADES SHOWN ARE FINISHED GRADES.
- UTILITIES ARE TO BE ADJUSTED BY OTHERS UNLESS INCLUDED IN THE CONSTRUCTION OR OTHERWISE NOTED.
- 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", 2013 EDITION, EXCEPT AS NOTED.

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).
- ANY NGVD-29 MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF IN DANGER OF DAMAGE, THE CONTRACTOR SHOULD NOTIFY:

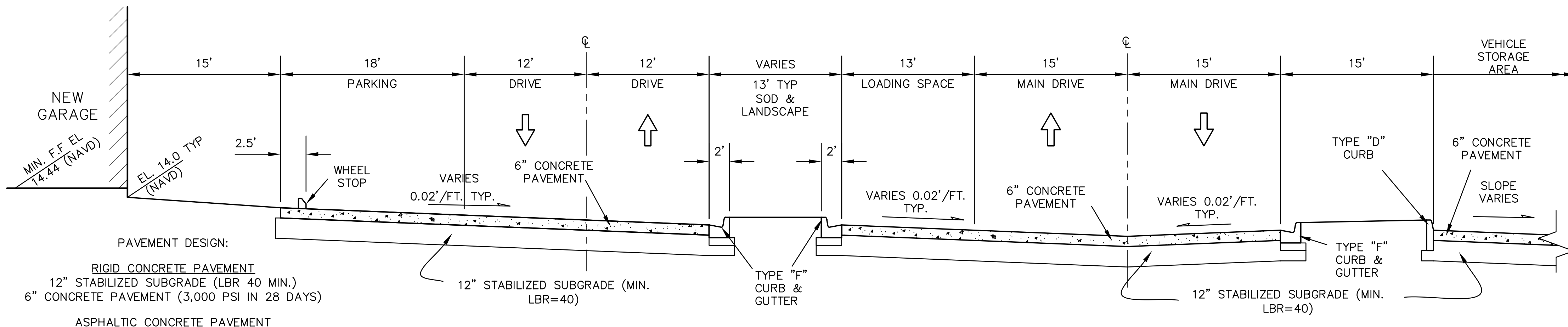
GEODETIC INFORMATION CENTER
 ATTN: MARK MAINTENANCE SECTION
 ATTN: N/CG-162 6001
 EXECUTIVE BOULEVARD
 ROCKVILLE, MARYLAND 20852
 TELEPHONE NO.: (301) 443-8319

- 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:

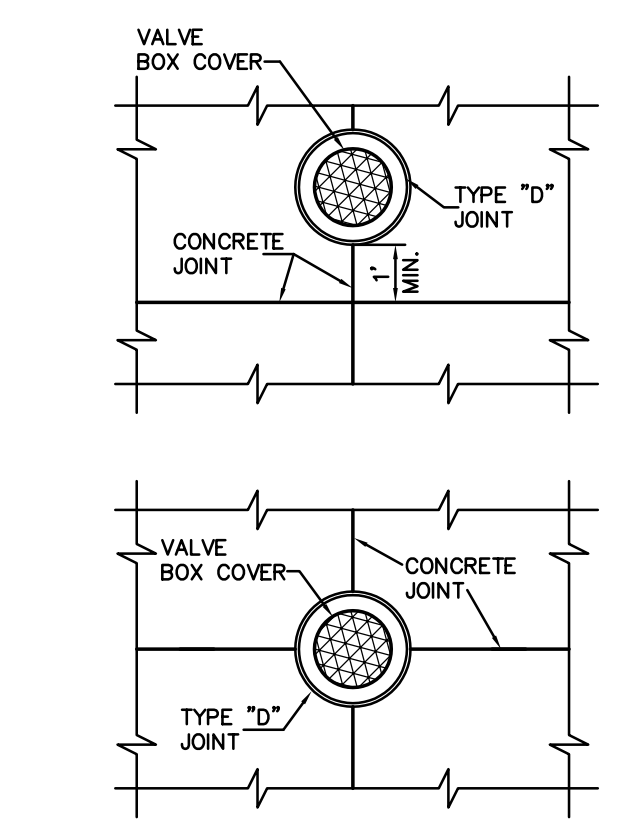
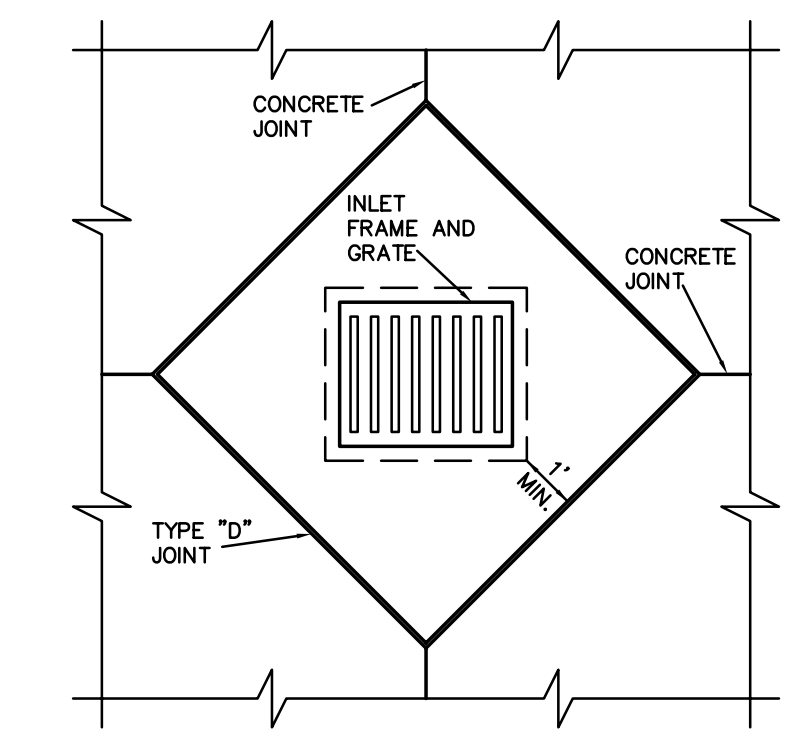
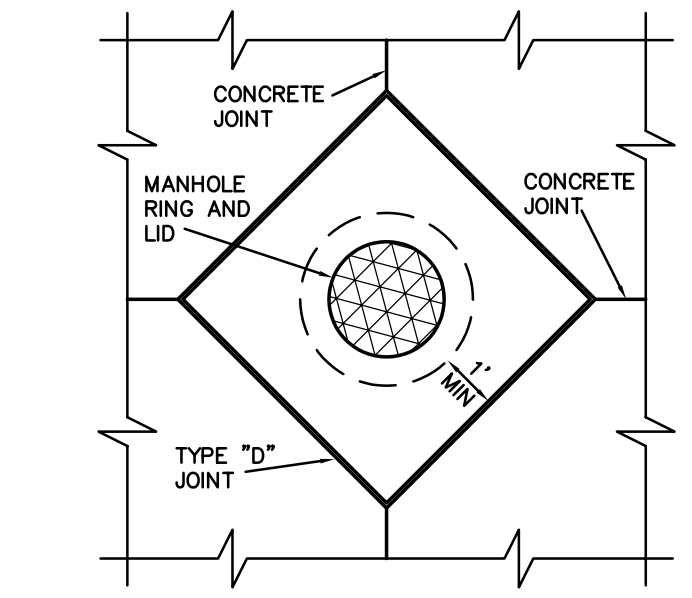
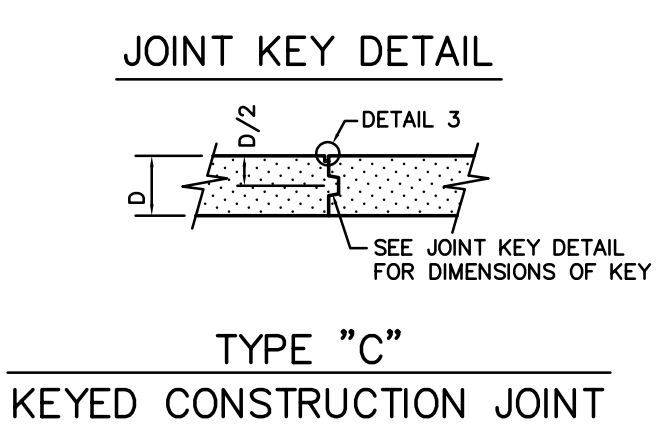
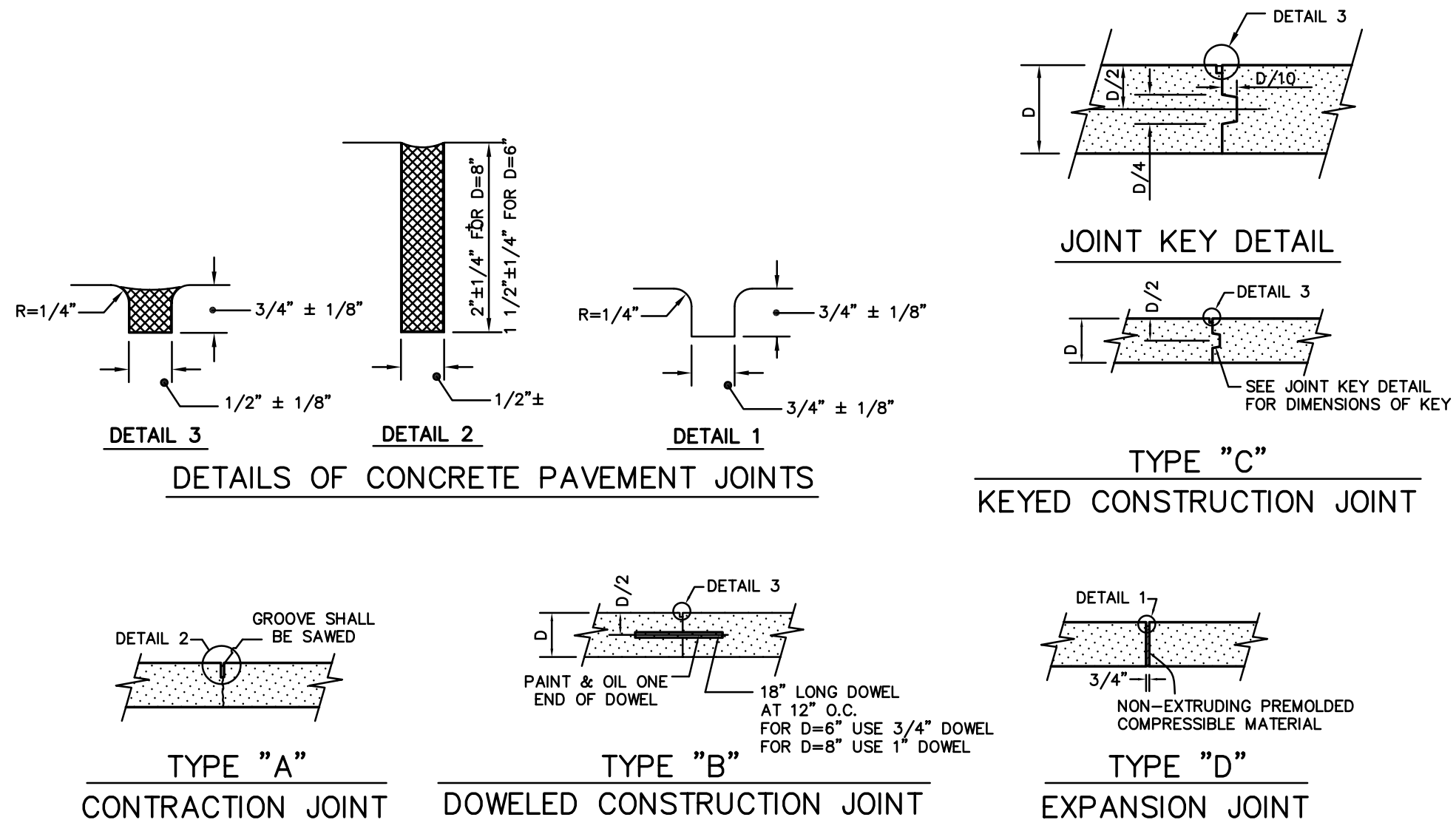
- CONTRACTOR'S WAIVER AND RELEASE OF LIEN.
 - CONTRACTOR'S LETTER OF WARRANTY (I.E. LETTER AGREEMENT, ONE (1) YEAR GUARANTEE).
 - "AS BUILT" DATA AS PREPARED BY A REGISTERED LAND SURVEYOR.
 - RELEASE FROM THE CITY OF COCONUT CREEK.
 - OTHER ITEMS AS REQUIRED BY THE ENGINEER.
- ANY PUBLIC LAND CORNER 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.



PAVEMENT DESIGN:
RIGID CONCRETE PAVEMENT
 12" STABILIZED SUBGRADE (LBR 40 MIN.)
 6" CONCRETE PAVEMENT (3,000 PSI IN 28 DAYS)
ASPHALTIC CONCRETE PAVEMENT
 12" STABILIZED SUBGRADE (LBR 40 MIN.)
 8" LIME ROCK BASE COURSE
 1-1/2" ASPHALTIC CONCRETE SURFACE COURSE
 (DOUBLE COURSE OF 3/4" TYPE S-III)

**TYPICAL SECTION
 NEW CONCRETE DRIVEWAY PAVEMENT & PARKING / STORAGE AREAS**

(EAST DRIVEWAY AREA SHOWN)
 N.T.S.



POTABLE WATER/SEWER SYSTEM & REUSE WATER SEPARATION NOTES

- HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, RECLAIMED WATER PIPELINES AND ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.
- NEW OR RELOCATED UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
 - NEW OR RELOCATED UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER.
 - NEW OR RELOCATED UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.
 - NEW OR RELOCATED UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST TEN FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND ALL PARTS OF ANY EXISTING OR PROPOSED "ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM" AS DEFINED IN SECTION 381.0065(2), F.S. AND RULE 64E-6.002, F.A.C.
- VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCE MAINS, AND RECLAIMED WATER PIPELINES.
- NEW OR RELOCATED UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES ABOVE, OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
 - NEW OR RELOCATED UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
 - AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS 1 AND 2 ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS SHALL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, STORMWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C., AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY- OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

WATER MAIN GENERAL NOTES

- ALL MATERIALS, INSTALLATION, TESTING AND SPECIFICATIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF POMPANO BEACH AND THE TECHNICAL SPECIFICATION.
- LOCATION OF EXISTING UNDERGROUND UTILITIES HAS BEEN PREPARED FROM THE MOST RELIABLE INFORMATION AVAILABLE TO THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY LOCATION AND DEPTH OF ALL PERTINENT UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION WORK.
- MINIMUM COVER FOR DIP WATER MAIN PIPE SHALL BE 30", UNLESS OTHERWISE SPECIFIED.
- ALL PRESSURE MAINS SHALL BE HYDROSTATIC ALLY PRESSURE TESTED FOR A PERIOD OF NOT LESS THAN 2 HOURS AT 150 PSI WITH AN ALLOWABLE LEAKAGE NOT TO EXCEED THE FORMULA,

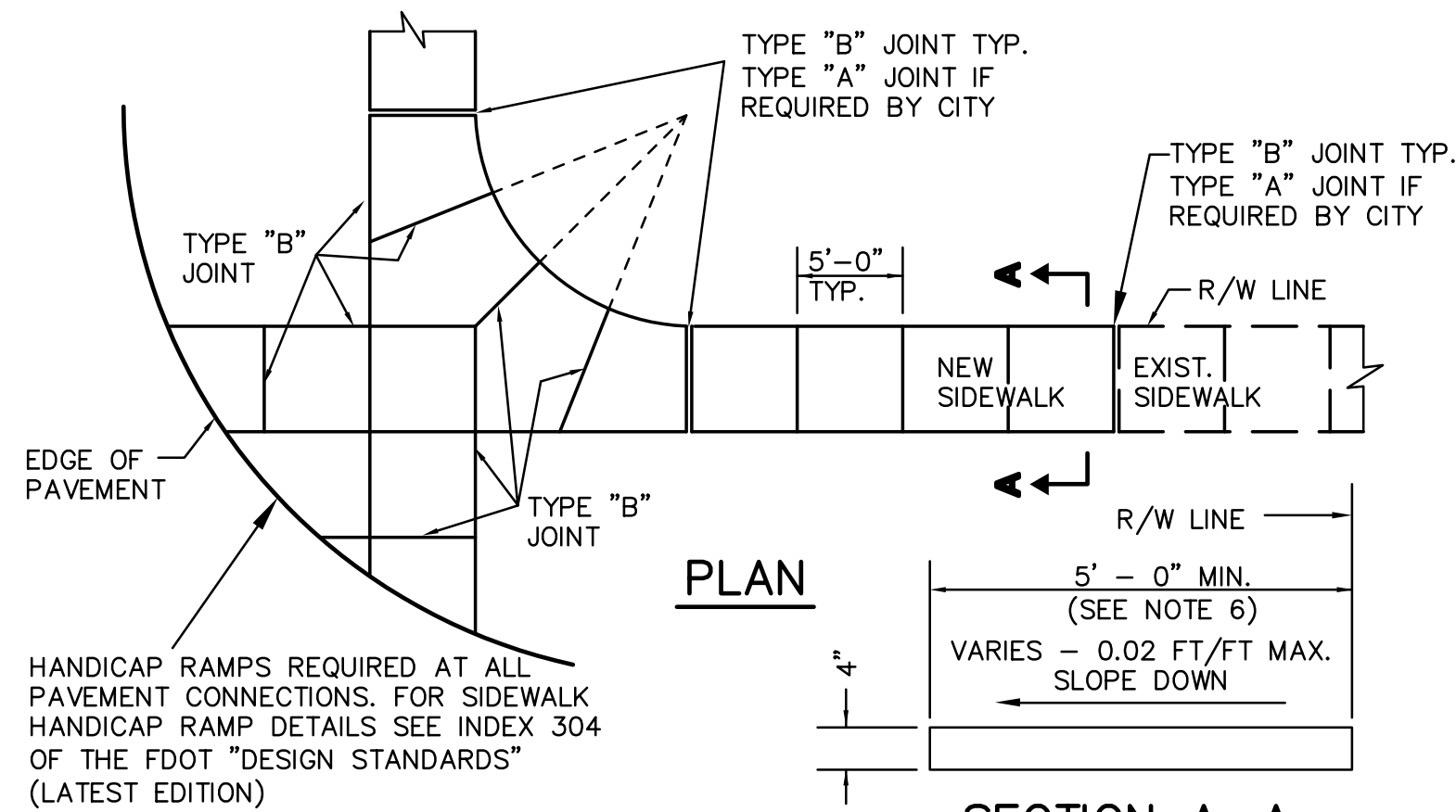
$$L = \frac{SD P^{1/2}}{148,000}$$
 IN WHICH
 -L- EQUALS ALLOWABLE LEAKAGE IN GALLONS/HOUR,
 -S- EQUALS LENGTH OF PIPE IN FEET,
 -D- EQUALS NOMINAL DIAMETER OF PIPE IN INCHES,
 -P- EQUALS AVERAGE TEST PRESSURE DURING TEST IN LBS/SQ. IN. ALL TESTING SHALL BE MADE IN ACCORDANCE WITH ANSI/AWWA C600-05 (HYDROSTATIC TESTS) AND C651-05 (WATER MAIN BACTERIOLOGICAL TESTS) WHERE APPLICABLE.
- LOCATION AND ELEVATION OF PIPE AND APPURTENANCES, SHALL BE ACCURATELY RECORDED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER PRIOR TO FINAL ACCEPTANCE OF THE WORK. ALL ELEVATIONS AND GIS INFORMATION SHALL BE TAKEN BY AN INDEPENDENT REGISTERED SURVEYOR AND INCLUDED IN THE "AS-BUILT" INFORMATION FURNISHED BY THE CONTRACTOR. FINAL APPROVAL OF THE PROJECT IS SUBJECT TO THE FINAL REVIEW AND APPROVAL OF THE "AS-BUILT" INFORMATION FURNISHED TO THE REGULATORY AGENCIES AND UTILITY.
- ALL MECHANICAL JOINTS SHALL BE RESTRAINED (MEGA-LUG OR EQUAL) IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS AND IN COMPLIANCE WITH AWWA STANDARDS AND CITY OF POMPANO BEACH.
- WHERE AN EXISTING WATER REQUIRES DEFLECTION TO CONNECT WITH OR PASS BY PROPOSED PIPE, THE AMOUNT OF DEFLECTION PER PIPE JOINT SHALL CONCUR WITH THE STANDARD UTILITY CROSSING DETAIL. THE LENGTH OF EXISTING PIPE TO BE DEFLECTED SHALL BE APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, QUANTITIES AND DETAILS SHOWN ON
- THE DRAWINGS, SUPPLEMENTARY DRAWINGS, SCHEDULES OR OTHER DATA RECEIVED FROM THE ENGINEER AND SHALL NOTIFY HIM OF ALL OMISSIONS, ERRORS, CONFLICTS, AND DISCREPANCIES FOUND THEREIN. FAILURE TO DISCOVER OR TO CORRECT ERRORS, CONFLICTS, OR DISCREPANCIES SHALL NOT RELIEVE THE CONTRACTOR OF FULL RESPONSIBILITY FOR UNSATISFACTORY WORK, FAULTY CONSTRUCTION OR IMPROPER OPERATION RESULTING THEREFROM, NOR FROM RECTIFYING SUCH CONDITION, AT HIS OWN EXPENSE.
- WHERE THE PROPOSED WATER IS IN CONFLICT WITH OTHER EXISTING OR PROPOSED UTILITIES, THE NEW MAIN SHALL BE DEFLECTED AT PIPE JOINTS IN ACCORDANCE WITH THE STANDARD ALLOWABLE JOINT DEFLECTION. THE USE OF BENDS FOR DEFLECTION WILL ONLY BE ALLOWED WHEN APPROVED BY THE ENGINEER.
- COMPLIANCE TO "TRENCH SAFETY ACT" IS REQUIRED FOR ALL EXCAVATIONS IN EXCESS OF 5 FEET DEEP.
- PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL NOTIFY:
 SUNSHINE STATE 1 CALL 1-800-432-4770

DESIGNED BY	IK	10/12					
DRAWN BY	IK	10/12					
CHECKED BY	JWR	10/12					
APPROVED BY	JWR	10/12	ISSUED FOR PERMITTING AND BIDDING	1	4/4/13	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 VOLKSWAGEN
 CITY OF COCONUT CREEK, FLORIDA
NOTES, DETAILS, & TYPICAL SECTION

DATE:	NOVEMBER, 2012
SCALE:	AS SHOWN
PROJECT NO.	111-511-01
SHEET NO.	2 OF 19



- NOTES:**
- FOR NEW SIDEWALK LOCATIONS 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-MOULDED EXPANSION MATERIAL IS LIMITED TO APPROVED AREAS ONLY.
 - SIDEWALKS SHALL HAVE A LIGHT BROOM FINISH.

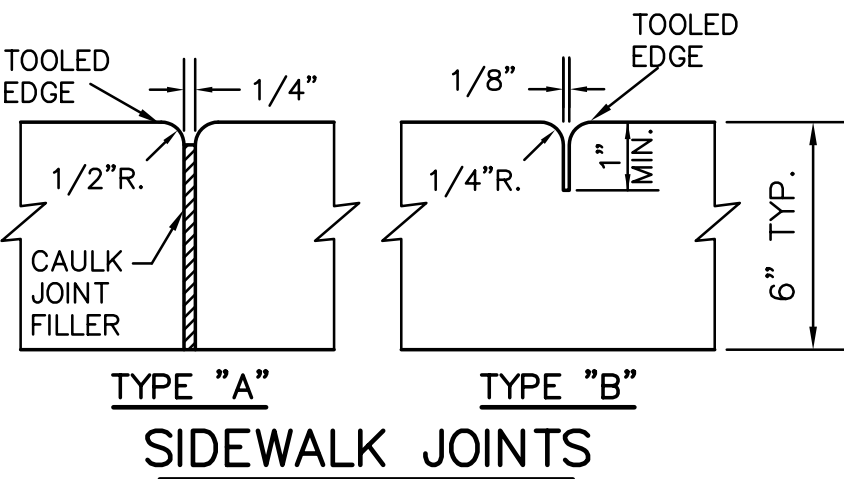
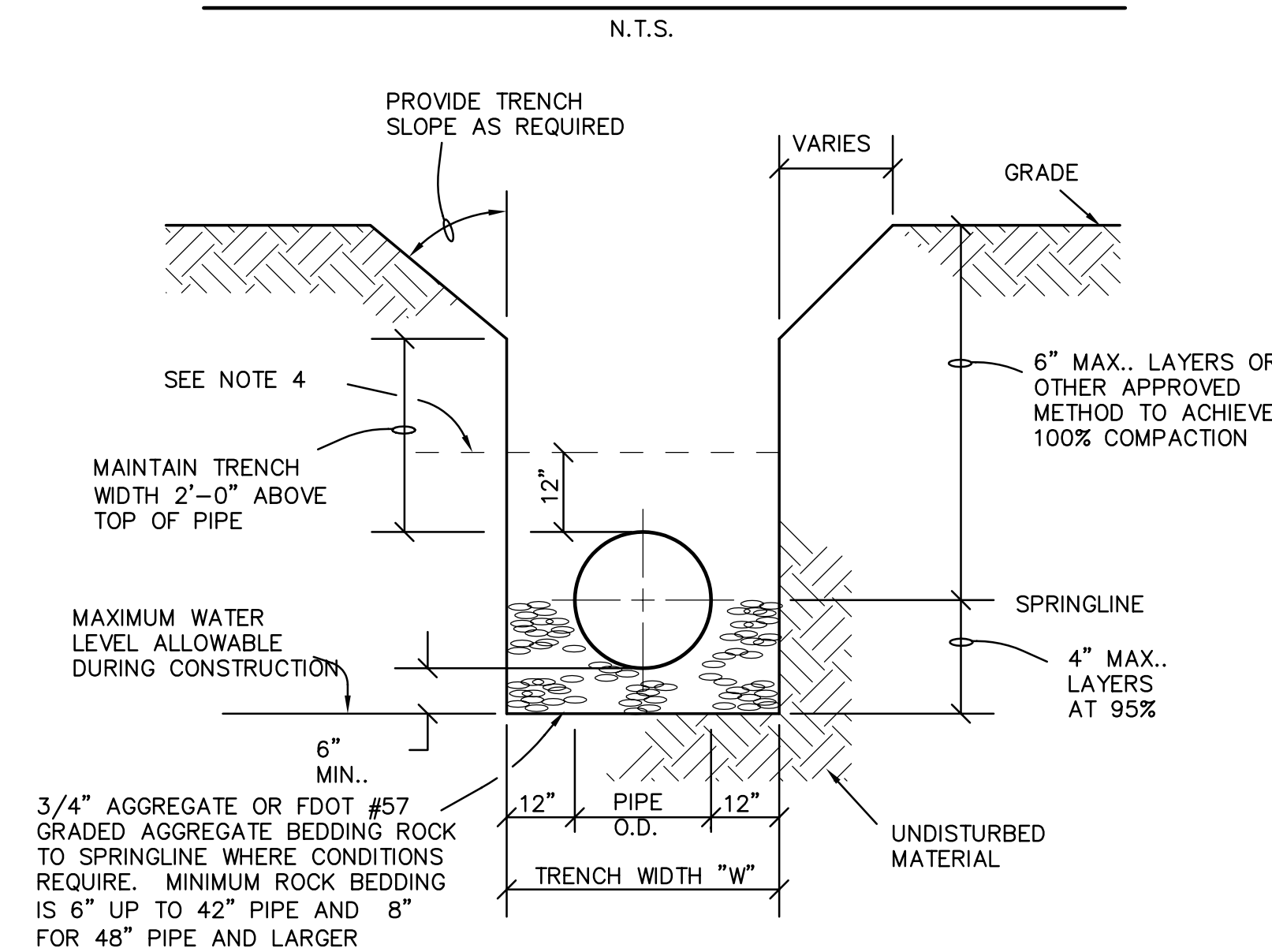


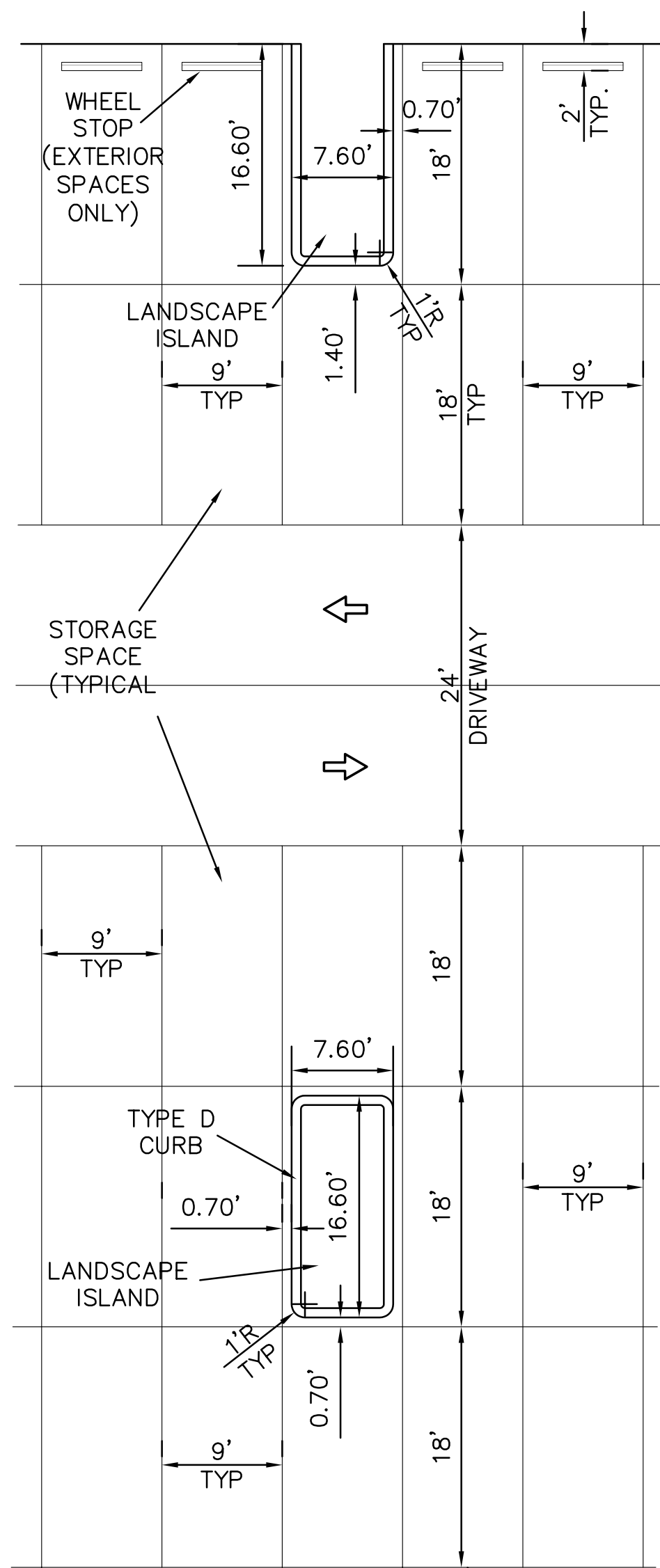
TABLE OF SIDEWALK JOINTS	
TYPE	LOCATION
"A"	ONLY WHERE DIRECTED BY THE CITY
"B"	5'-0" MINIMUM CENTER TO CENTER ON SIDEWALK

RIGHT-OF-WAY SIDEWALK DETAIL

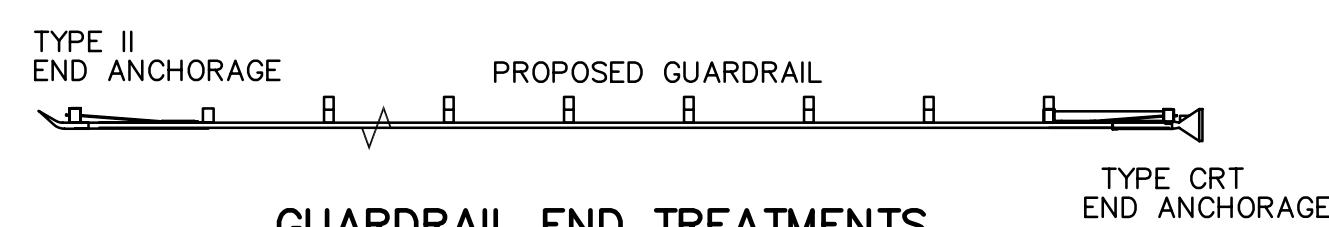


TRENCH CONSTRUCTION NOTES

- 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.

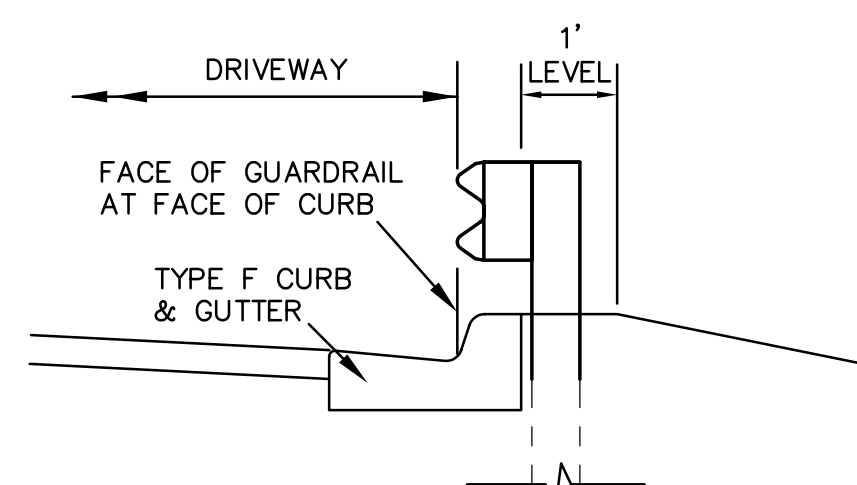


NEW STORAGE LOT DETAILS



GUARDRAIL END TREATMENTS

- SEE FDOT INDEX FOR ANCHORAGE DETAILS -



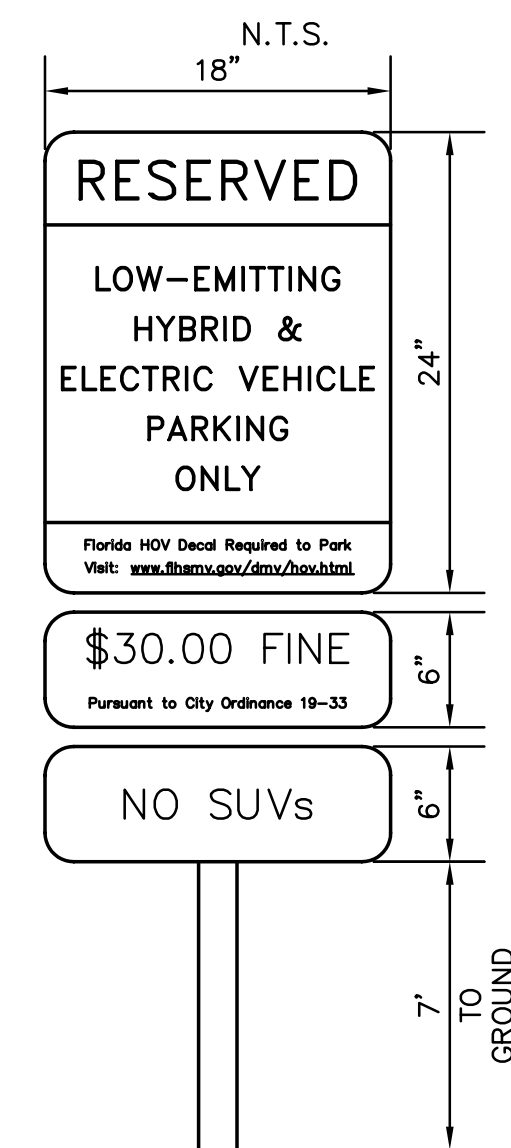
TYPICAL SECTION

GUARDRAIL PLACEMENT AND DETAILS

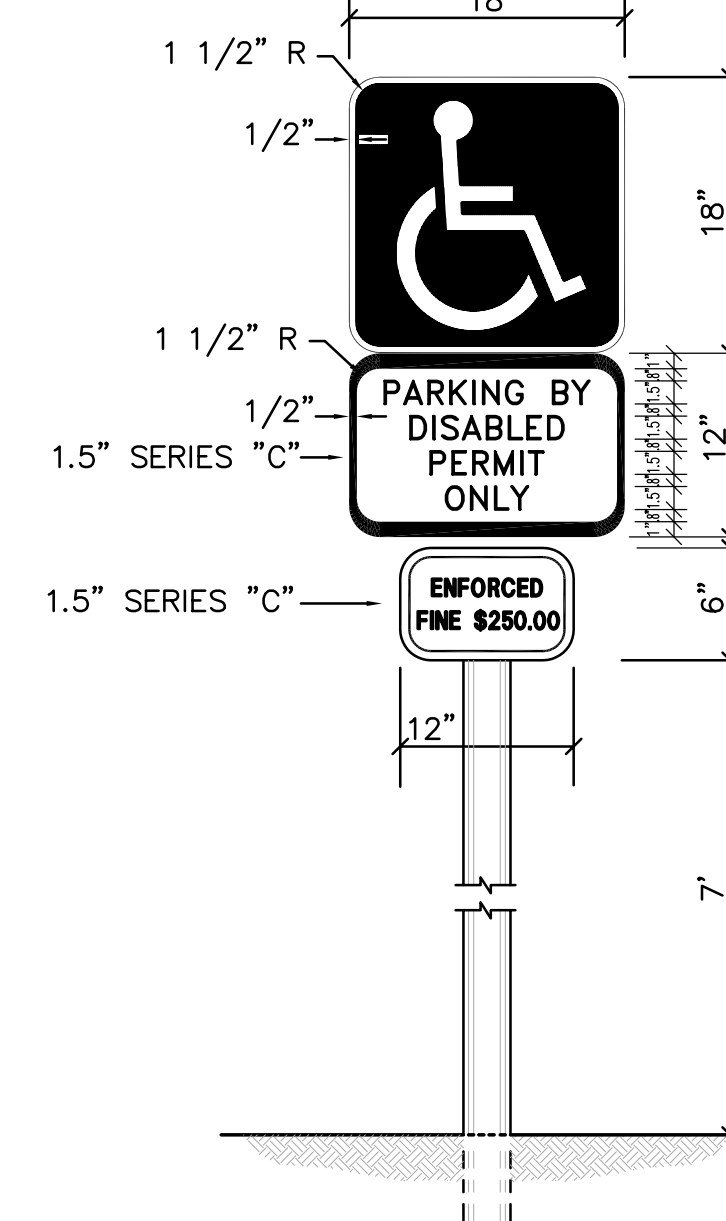
GUARDRAIL NOTES

- GUARDRAIL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2012 EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION "ROADWAY AND TRAFFIC DESIGN STANDARDS" INDEX NUMBER 400.
- CAUTION SHALL BE USED IN PLACEMENT OF GUARDRAIL POST. HAND EXCAVATION FOR POST PLACEMENT IS REQUIRED IN THE VICINITY OF EXISTING UTILITIES. WHERE FULL LENGTH POST CANNOT BE INSTALLED DUE TO CONFLICTS, THE CONTRACTOR SHALL INSTALL ENCASED GUARDRAIL POST AS PER INDEX 400, SHEET 12 OF 13.
- LANDSCAPING AND IRRIGATION SYSTEMS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION. CONTRACTOR SHALL COORDINATE WITH THE PROPERTY OWNER FOR IRRIGATION SYSTEM RESTORATION. NEW SOD SHALL BE PLACED AS REQUIRED.

HYBRID/ ELECTRIC PARKING SIGN DETAIL

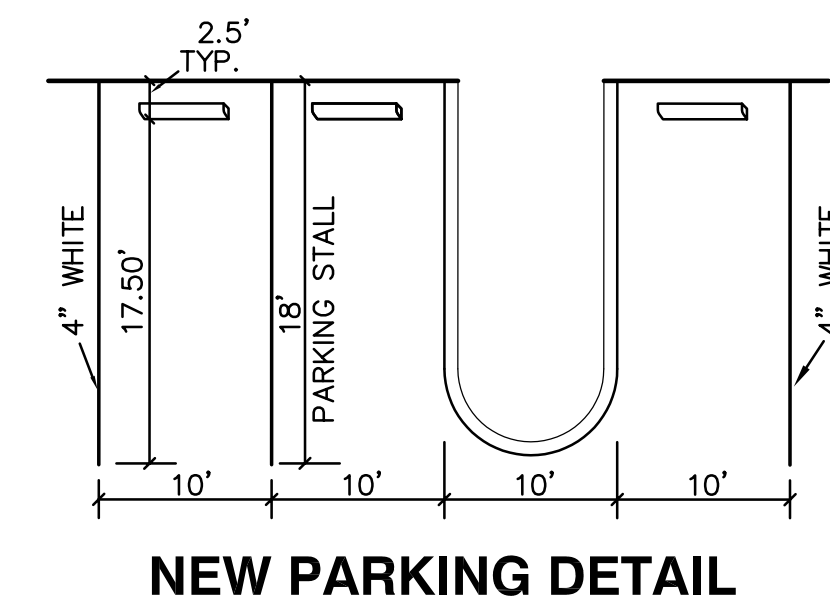


- NOTES:**
- HANDICAP, FTP - 26 PER FDOT INDEX No. 17355 shall have a reflective blue background with white reflective symbol and border.
 - PARKING DISABLED PERMIT ONLY shall have a reflective white background with black opaque legend and border.
 - ENFORCED FINE \$250.00 FTP - 55 PER FDOT INDEX No.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



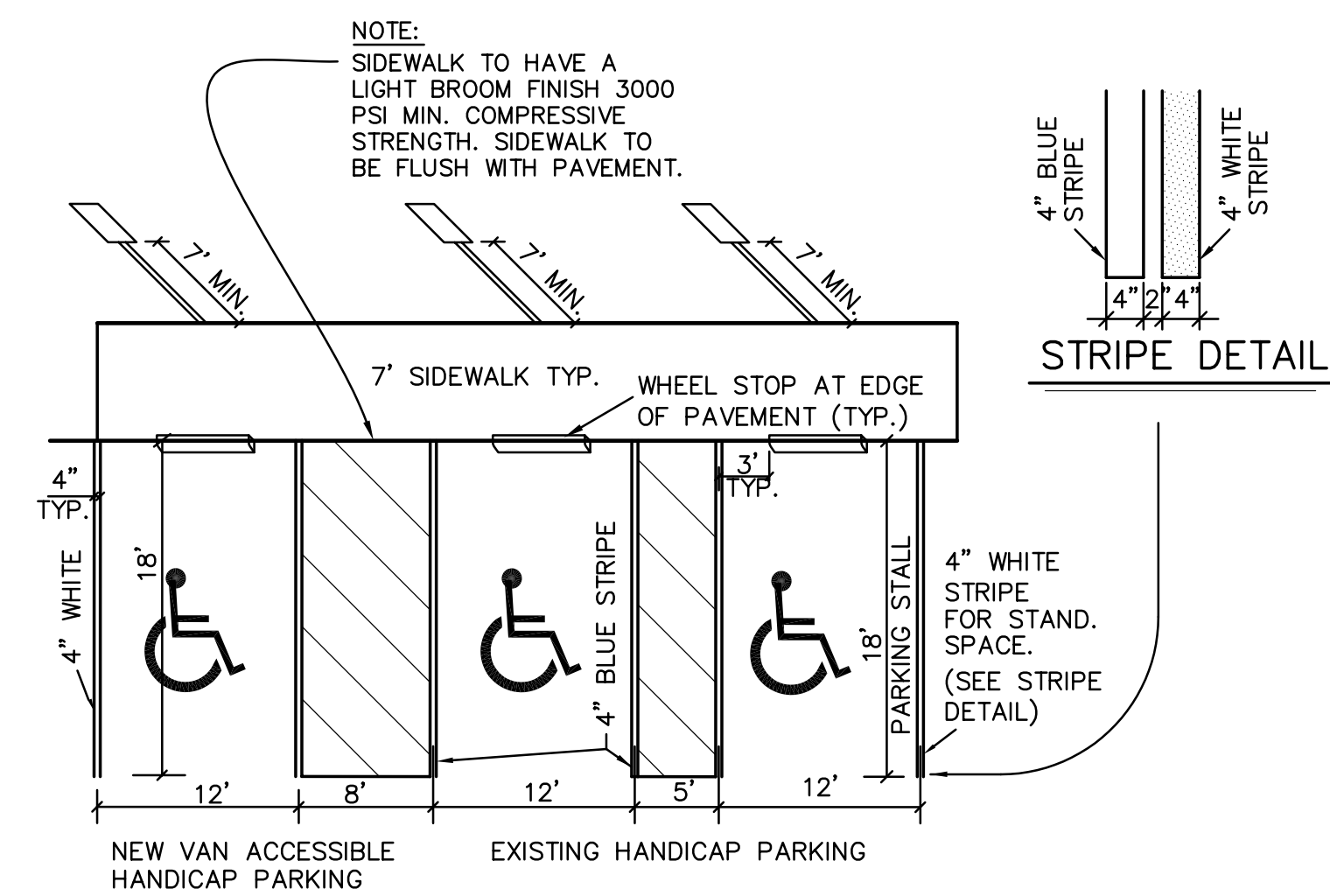
HANDICAP PARKING/ VIOLATION SIGN DETAIL

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



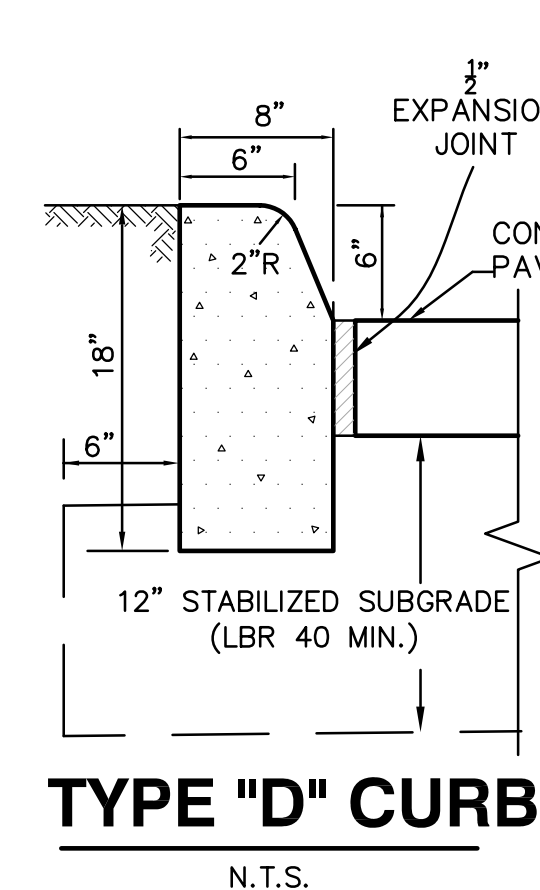
NEW PARKING DETAIL

N.T.S.



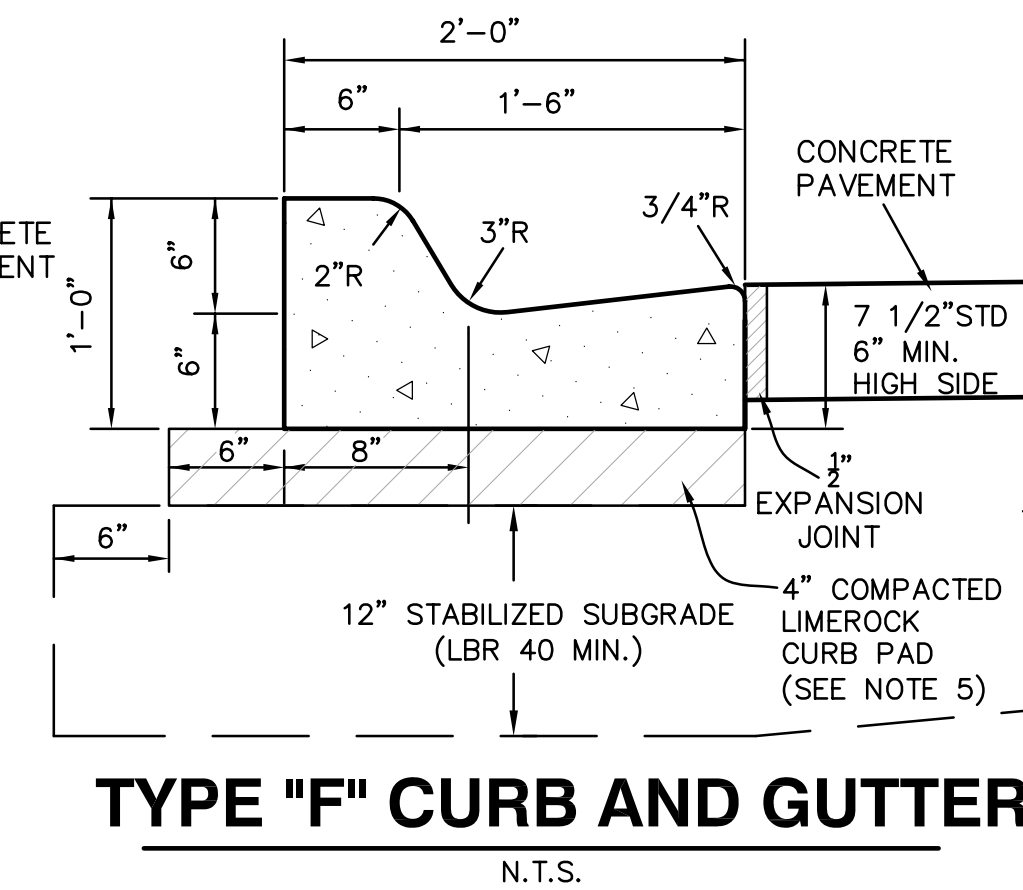
DETAIL OF MODIFICATION TO EXISTING HANDICAP PARKING

N.T.S.



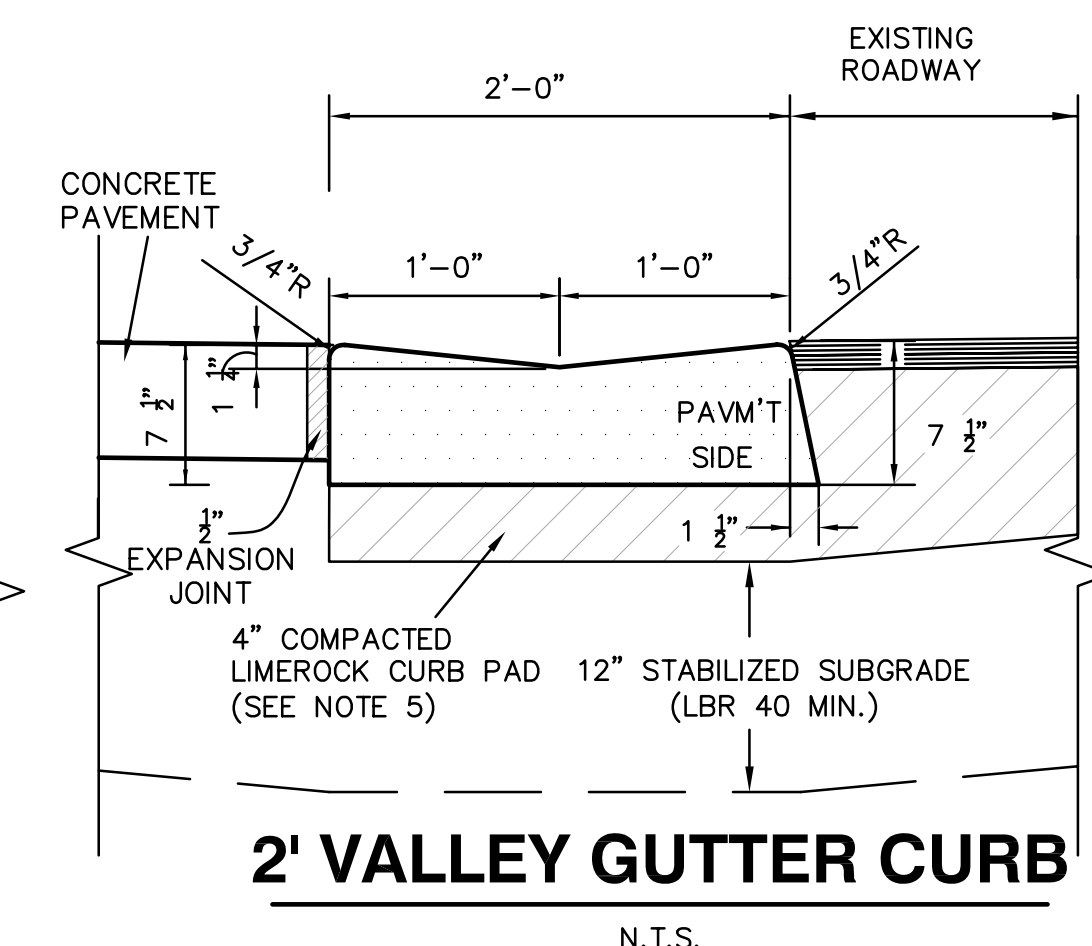
TYPE "D" CURB

N.T.S.



TYPE "F" CURB AND GUTTER

N.T.S.



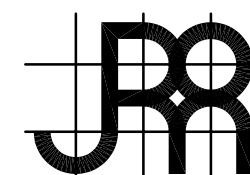
2' VALLEY GUTTER CURB

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	10/12				
DRAWN BY	IK	10/12				
CHECKED BY	JWR	10/12				
APPROVED BY	JWR	10/12	ISSUED FOR PERMITTING AND BIDDING	1	4/4/13	IK
NAME	DATE		REVISIONS	NO.	DATE	BY

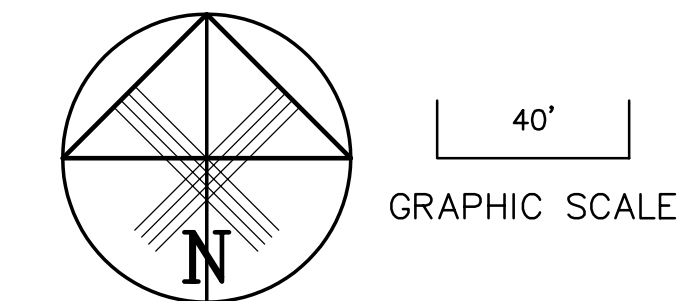
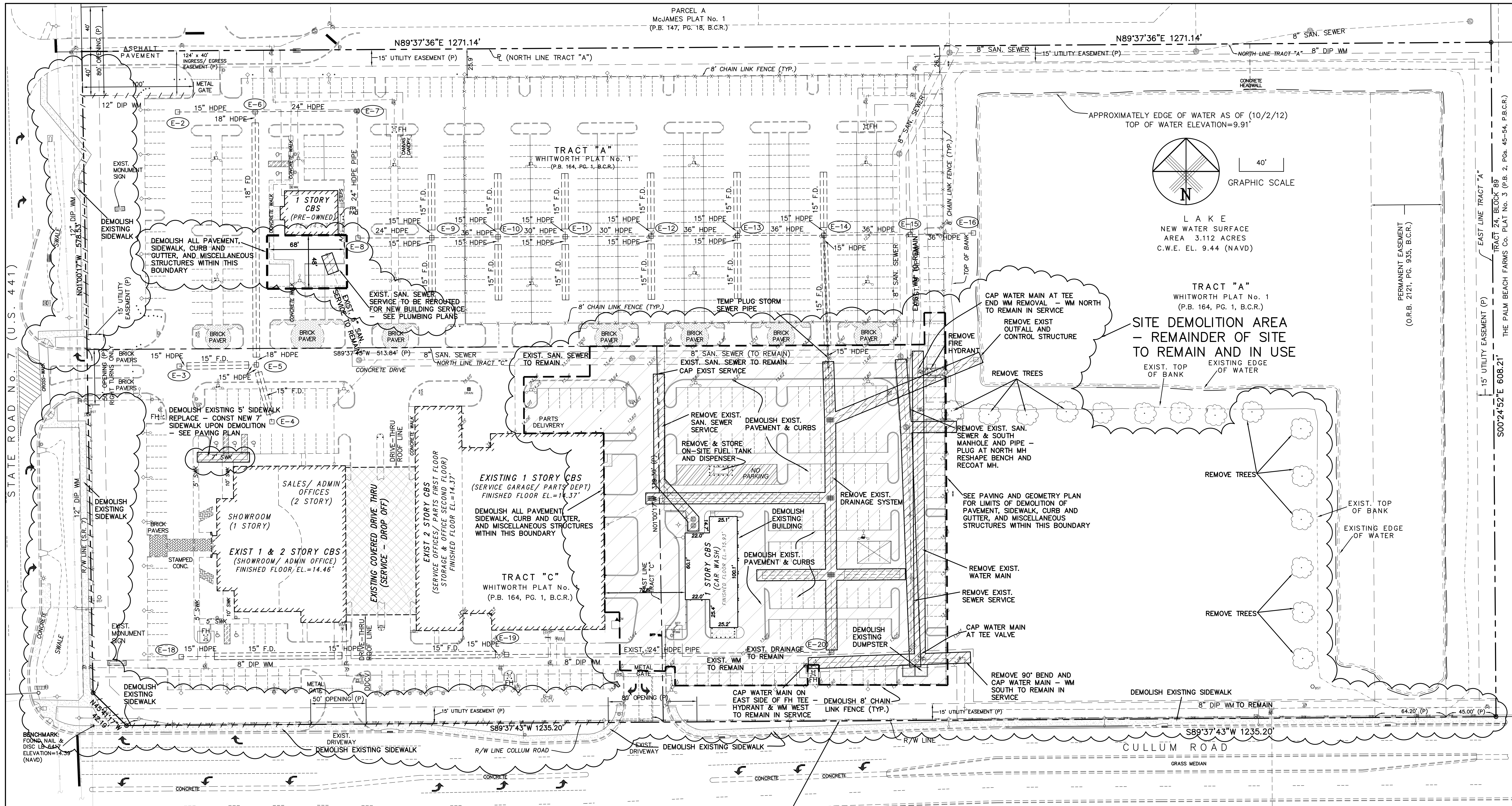


JOSEPH ROLES AND ASSOC., INC.
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CERTIFICATE OF AUTHORIZATION NO. 3948

GUNTHER VOLKSWAGEN
CITY OF COCONUT CREEK, FLORIDA
NOTES AND DETAILS

JOSEPH W. ROLES, JR. P.E.
REG. ENGINEER NO. 16965

DATE:	NOVEMBER, 2012
SCALE:	AS SHOWN
PROJECT NO.	111-511-01
SHEET NO.	3 OF 19



L A K E
NEW WATER SURFACE
AREA 3.112 ACRES
C.W.E. EL. 9.44 (NAVD)

TRACT "A"
WHITWORTH PLAT No. 1
(P.B. 164, PG. 1, B.C.R.)

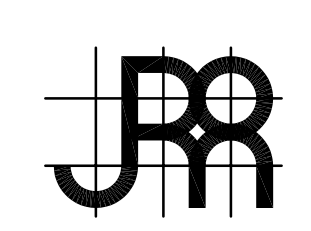
SITE DEMOLITION AREA
- REMAINDER OF SITE
TO REMAIN AND IN USE

- DEMOLITION 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.
 2. ALL ABANDONED DRAINAGE SYSTEM PIPE AND STRUCTURES AND WATER MAIN PIPE, FITTINGS AND VALVES SHALL BE EXCAVATED AND REMOVED FOR DISPOSAL OFF-SITE.
 3. PLAIN UNREINFORCED CONCRETE PAVEMENT TO BE DEMOLISHED SHALL BE CRUSHED / PULVERIZED ON SITE FOR USE AS LAKE FILL

- DEMOLITION / CONSTRUCTION SEQUENCE:**
- PHASE 1 :**
1. CONTRACTOR TO CONSTRUCT TEMPORARY PARKING SURFACE, INCLUDING DRAINAGE PIPE INSTALLATION AND CONCRETE PAVEMENT AS PER PLAN FOR EMPLOYEE PARKING PRIOR TO START OF DEMOLITION.
- PHASE 2 :**
2. AFTER TEMPORARY PARKING IS IN SERVICE CONTRACTOR TO COMMENCE WITH EXISTING PAVEMENT, CAR WASH / GET READY BUILDING AND DRAINAGE PIPE AND STRUCTURES DEMOLITION. EXISTING WATER MAIN TO REMAIN IN SERVICE THIS PHASE.
 3. CAP EXISTING SANITARY SEWER SERVICE FOR REUSE. REMOVE SEWER MAIN AND MANHOLE, PLUG MANHOLE AND RESHAPE BENCH.
 4. FUEL TANK AND GAS PUMP TO BE RELOCATED AND STORED ON-SITE AS DIRECTED BY THE OWNER FOR REINSTALLATION IN NEW FUELING LOCATION.
- PHASE 3 :**
1. LAKE EXCAVATION AND FILL SHALL COMMENCE UPON COMPLETION OF DRAINAGE DEMOLITION INCLUDING LAKE OUTFALL.
 2. CUT AND CAP EXISTING WATER MAIN TO REMAIN IN SERVICE TO SEPARATE IT FROM WATER MAIN TO BE DEMOLISHED THEN DEMOLISH EXIST. WATER MAIN. NEW BUILDING CONSTRUCTION CAN COMMENCE UPON REMOVAL OF EXISTING WATER MAIN.
 3. COMPLETE LAKE EXCAVATION AND FILL, INSTALL REMAINING DRAINAGE PIPE AND OUTFALL.
 4. CONSTRUCT NEW WATER MAIN. TEST AND CERTIFY NEW WATER MAIN, CONNECT TO EXIST. MAIN AND PLACE IN SERVICE.
 5. COMPLETE SITE CONSTRUCTION, UTILITIES, ROOF LEADERS, NEW PAVEMENT AND SIDEWALKS.

DESIGNED BY	IK	10/12
DRAWN BY	IK	10/12
CHECKED BY	JWR	10/12
APPROVED BY	JWR	10/12
NAME	DATE	

ISSUED FOR PERMITTING AND BIDDING	1	4/4/13	IK
REVISIONS	NO.	DATE	BY



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7501 N.W. 4th STREET, SUITE 101
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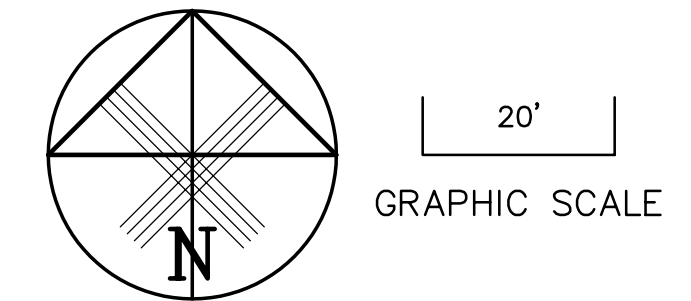
GUNTHER VOLKSWAGEN
CITY OF COCONUT CREEK, FLORIDA
DEMOLITION PLAN

DATE:	OCTOBER 2012
SCALE:	AS SHOWN
PROJECT NO.	111-511-01
SHEET NO.	4 OF 19

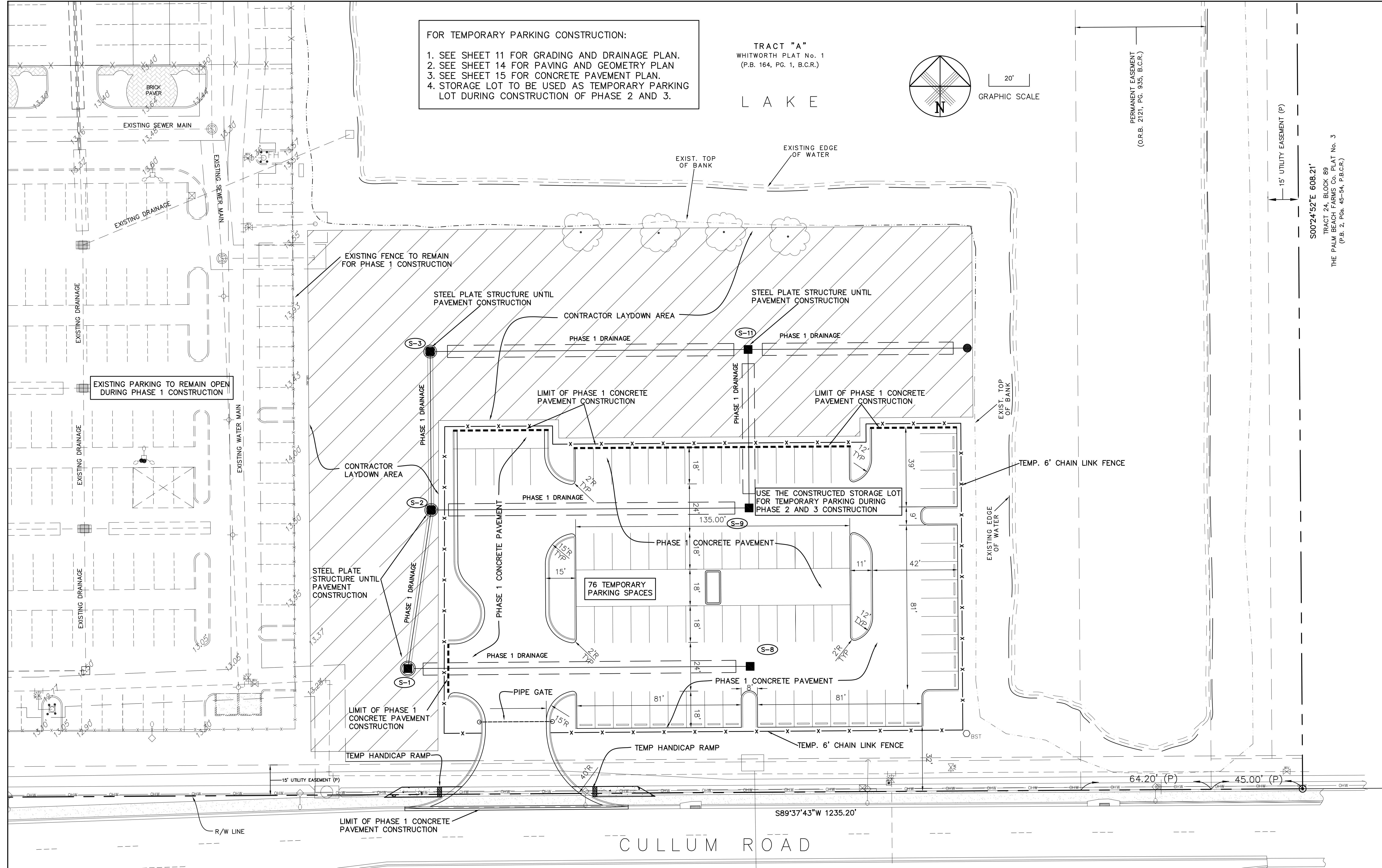
JOSEPH W. ROLES, JR. P.E.
REG. ENGINEER NO. 16965

FOR TEMPORARY PARKING CONSTRUCTION:
 1. SEE SHEET 11 FOR GRADING AND DRAINAGE PLAN.
 2. SEE SHEET 14 FOR PAVING AND GEOMETRY PLAN.
 3. SEE SHEET 15 FOR CONCRETE PAVEMENT PLAN.
 4. STORAGE LOT TO BE USED AS TEMPORARY PARKING LOT DURING CONSTRUCTION OF PHASE 2 AND 3.

TRACT "A"
 WHITWORTH PLAT No. 1
 (P.B. 164, PG. 1, B.C.R.)



L A K E



S0024'52"E 608.21'
 TRACT 24, BLOCK 89
 THE PALM BEACH FARMS CO. PLAT No. 3
 (P.B. 2, PGS. 45-54, P.B.C.R.)

DESIGNED BY	IK	10/12
DRAWN BY	IK	10/12
CHECKED BY	JWR	10/12
APPROVED BY	JWR	10/12
NAME		DATE

ISSUED FOR PERMITTING AND BIDDING	NO.	DATE	BY
1	4/4/13	IK	


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GUNTHER VOLKSWAGEN
 CITY OF COCONUT CREEK, FLORIDA
TEMPORARY PARKING PLAN

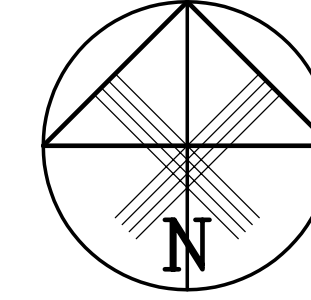
DATE:	OCTOBER 2012
SCALE:	AS SHOWN
PROJECT NO.	111-511-01
SHEET NO.	5 OF 19

JOSEPH W. ROLES, JR., P.E.
 REG. ENGINEER NO. 16965

N89°37'36"E 1271.14'

8" SAN. SEWER

8" SAN. SEWER

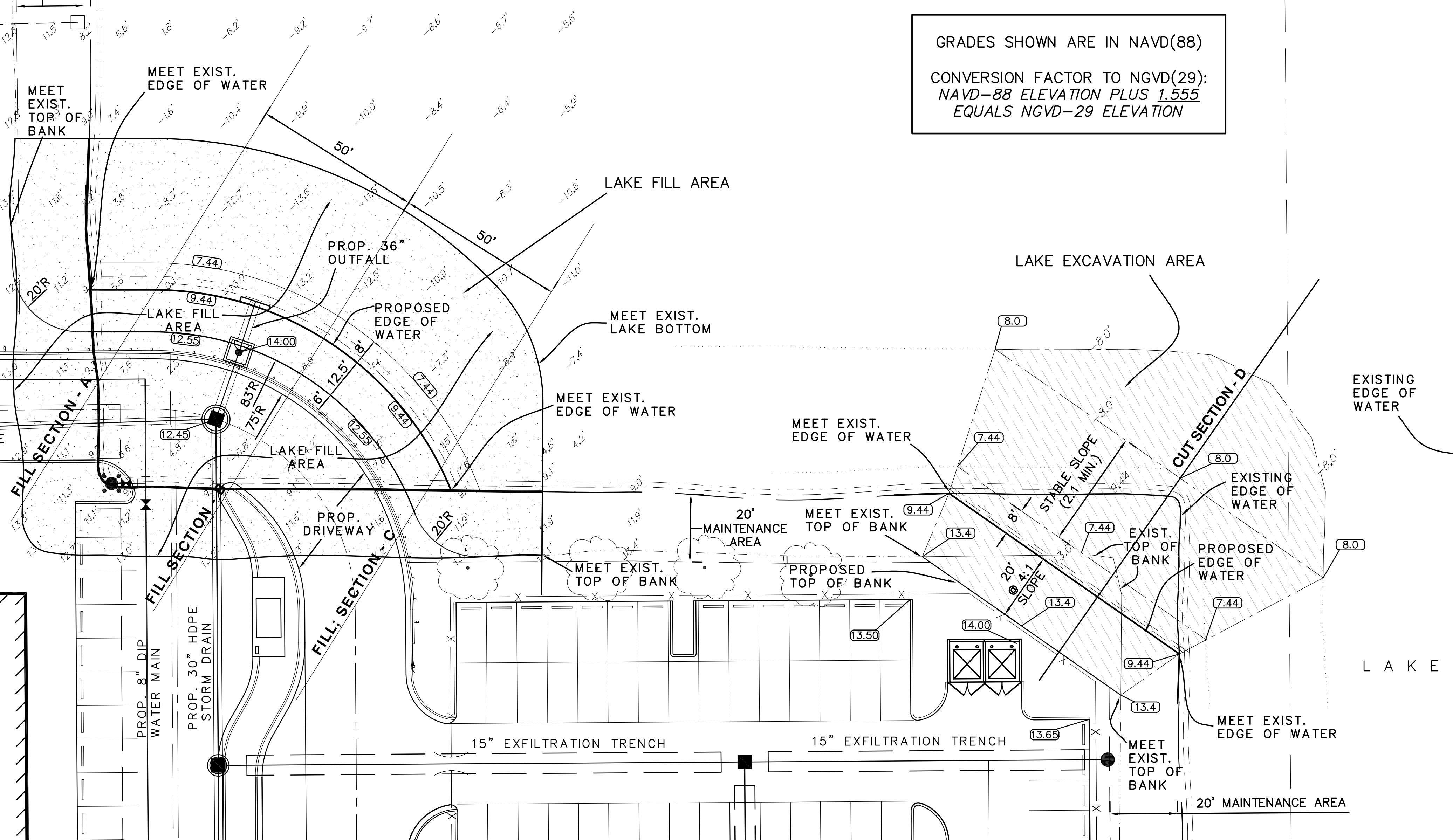


20'

L A K E
NEW WATER SURFACE
AREA 3.112 ACRES

EXIST. TOP OF BANK
EXISTING EDGE OF WATER
APPROXIMATELY EDGE OF WATER AS OF (10/2/12)
TOP OF WATER ELEVATION=9.91'

GRADES SHOWN ARE IN NAVD(88)
CONVERSION FACTOR TO NGVD(29):
NAVD-88 ELEVATION PLUS 1.555
EQUALS NGVD-29 ELEVATION

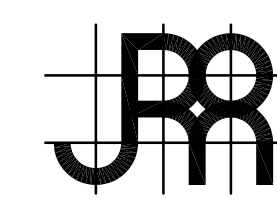


- NOTES:
1. SEE SHEET 7 FOR LAKE SECTIONS DETAILS AND NOTES
 2. SEE SHEET 9 FOR WATER AND SEWER PLAN.
 3. SEE SHEET 11 FOR GRADING AND DRAINAGE PLAN.
 4. SEE SHEET 14 FOR PAVING AND GEOMETRY
 5. SEE SHEET 18 FOR POLLUTION PREVENTION PLAN.

**NEW 3 STORY GARAGE,
SERVICE BAYS, CAR WASH & PARTS EXPANSION**
PROPOSED FINISHED FLOOR
OCCUPIED AREAS EL.=14.45'
GARAGE FLOOR MINIMUM EL.=13.45'

DESIGNED BY	IK	10/12
DRAWN BY	IK	10/12
CHECKED BY	JWR	10/12
APPROVED BY	JWR	10/12
NAME		DATE

ISSUED FOR PERMITTING AND BIDDING	NO.	DATE	BY
1	4/4/13	IK	



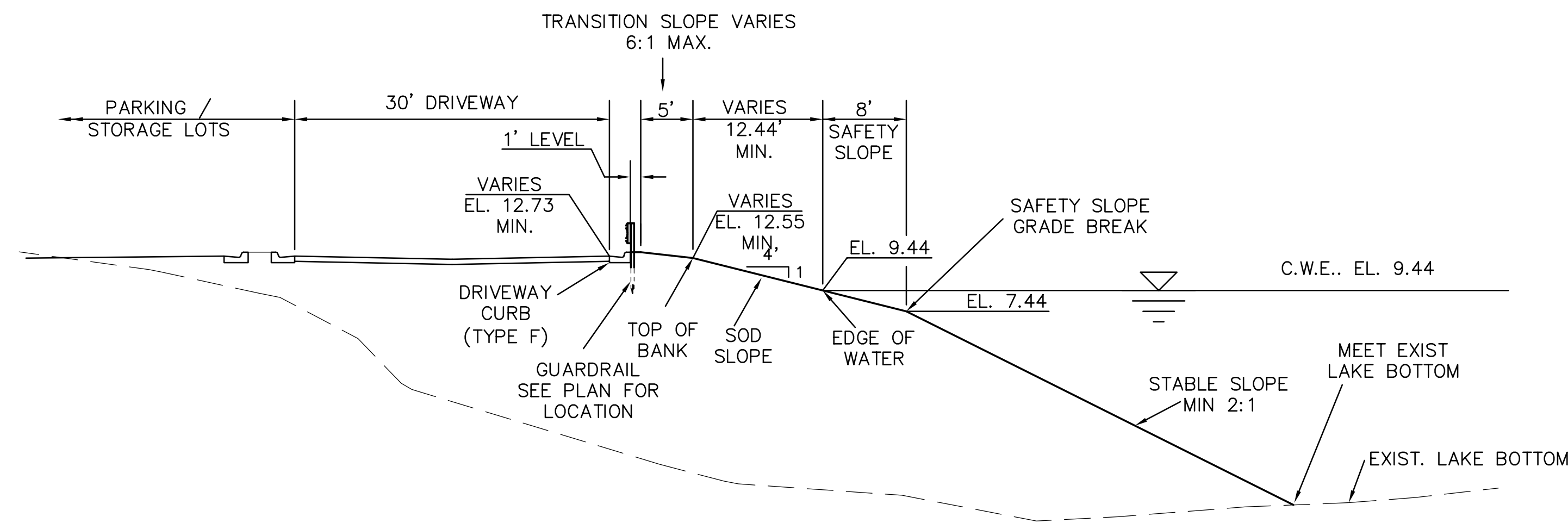
JOSEPH ROLES AND ASSOC., INC.
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PLANTATION, FLORIDA 33317
PHONE (954) 581-1945
CERTIFICATE OF AUTHORIZATION NO. 3948

GUNTHER VOLKSWAGEN
CITY OF COCONUT CREEK, FLORIDA
LAKE EXCAVATION & FILL PLAN

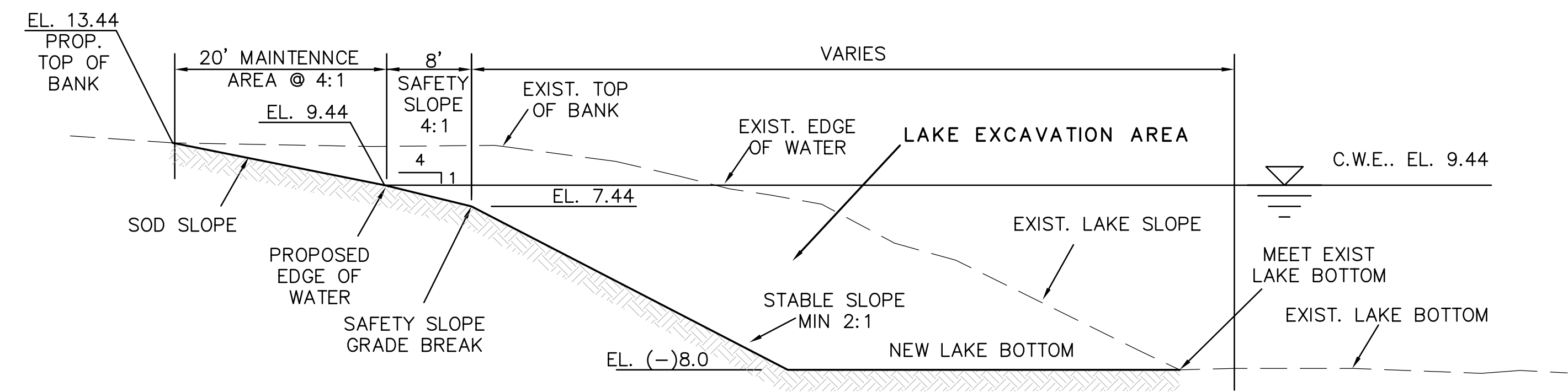
DATE:	OCTOBER 2012
SCALE:	AS SHOWN
PROJECT NO.	111-511-01
SHEET NO.	6 OF 19

S00°24'52"E 608.21'

JOSEPH W. ROLES, JR., P.E.
REG. ENGINEER NO. 16965



TYPICAL SECTION - LAKE FILL AT DRIVEWAY



TYPICAL SECTION - LAKE EXCAVATION

LAKE EXCAVATION & FILL SPECIFICATIONS

1. Grading and Fill

The work shall consist of placing and grading the materials required for lake fill construction as indicated on the Plans. The materials used for fill shall consist of sand, shell, limerock or a mixture thereof and/or other suitable material, including topsoil in designated areas approved by the Engineer. If the materials are of a variable quality, the Contractor shall plan his operation so that the upper two feet of the embankment is constructed of selected materials approved and directed by the Engineer. Embankment shall be placed in successive uniform layers and deposited either vertically or pushed in from the lake shore. The source of the proposed fill material will be subject to the approval of the Engineer and the City. The final lake slope shall be 4 feet horizontal to 1 foot vertical maximum slope from the top of bank to the regulatory below water elevation. Below the regulatory elevation the slope shall be constructed not to exceed a stable condition and shall not exceed the angle of repose for the material.

Where the material is deposited in water, or in low swampy ground that will not support the weight of hauling equipment, the fill shall be constructed by dumping successive loads and pushing the material into the lake slope in a uniformly distributed manner. The upper portions of such embankments shall be constructed in layers until the required stable slope is achieved.

The maximum size of rock which will be permitted in the completed embankment are as follows:

In top 12 inches	3-1/2 inches
12 inches to 2 feet	6 inches
2 feet to 4 feet	12 inches
4 feet to 8 feet	24 inches

Rocks larger than 12 inches shall be distributed no closer than a distance equal to the diameter of the smaller.

2. Lake Excavation

For the lake excavation, the area to be excavated shall be cleared of all vegetation, trees and debris prior to commencing the work. Excavated materials shall be separated by into suitable and unsuitable fill. Use of Suitability of materials for use as fill, shall be determined by the testing laboratory. Unsuitable materials shall be used as topsoil on site or disposed of off-site by the contractor. Suitable materials may be used as lake fill or site fill as appropriate.

3. Compaction

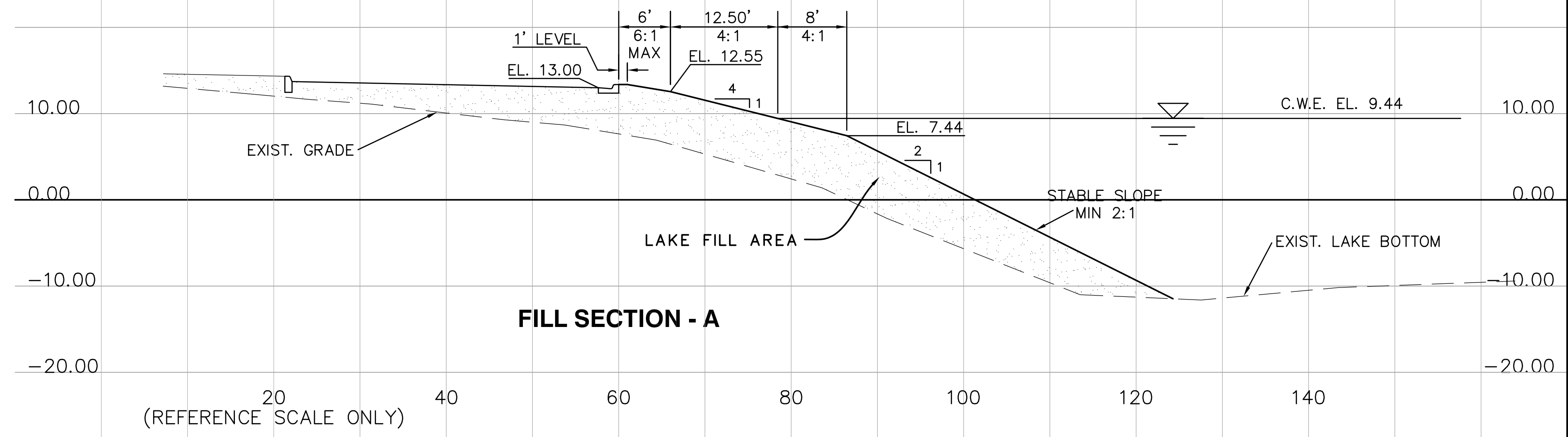
The lake fill shall be compacted as specified below: Compacted areas shall be moistened and compacted by either rolling, tamping or any other method approved by the Engineer in order to obtain the desired density. Compaction shall proceed when the fill reaches one foot above the water table.

Landward fill shall be placed in horizontal layers approximately one foot thick, measured loose. Each layer shall extend the full width and length required of the lift before proceeding to the next higher lift or layer.

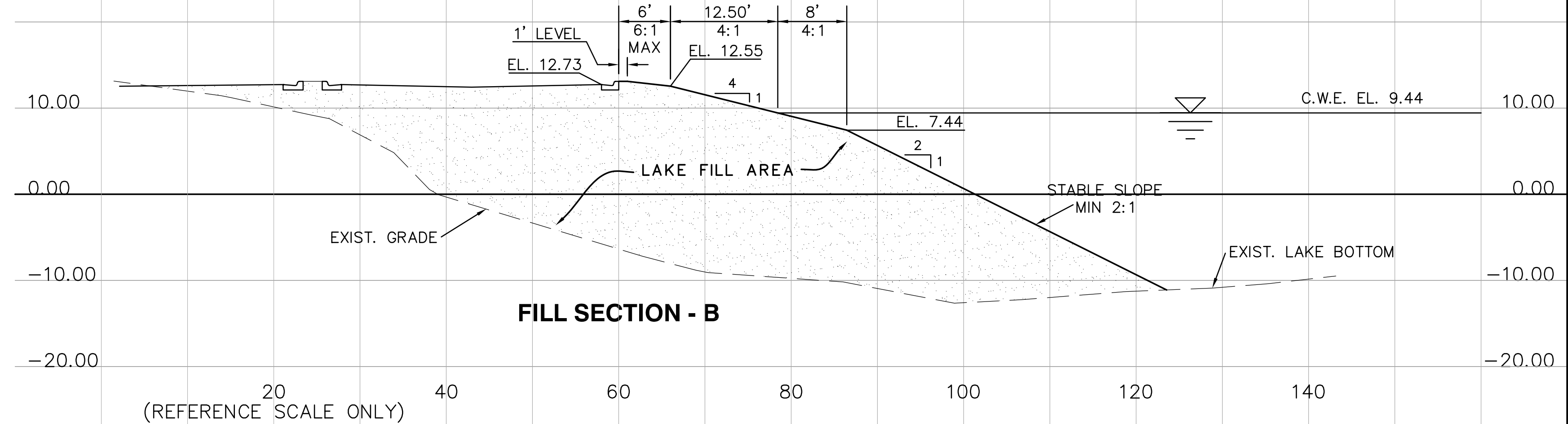
The Engineer shall inspect each lift of compacted fill, prior to further construction operations, to ensure that satisfactory compaction has been obtained. All embankment, whether existing or placed by the contractor, to a depth of 12", shall be compacted to a density of not less than 100 percent of the maximum density as determined by AASHTO T-199, Standard Proctor. Density tests shall be obtained prior to further construction operations. A minimum of two test will be required for the sidewalk replacement, or as directed by the Engineer. Cost of testing will be the responsibility of the contractor.

GRADES SHOWN ARE IN NAVD(88)

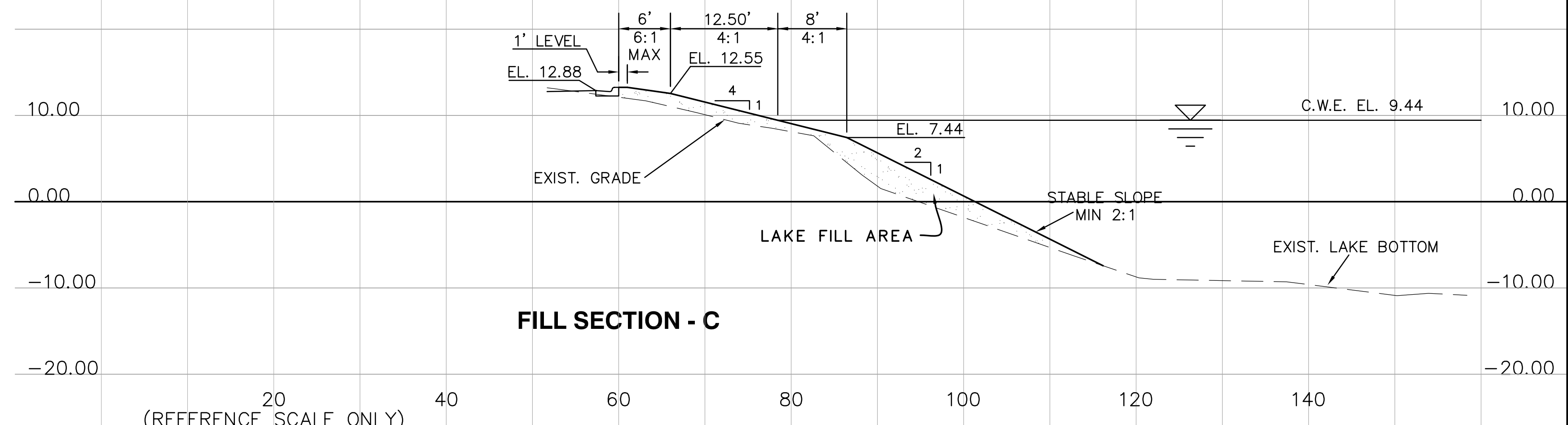
CONVERSION FACTOR TO NGVD(29):
NAVD-88 ELEVATION PLUS 1.555
EQUALS NGVD-29 ELEVATION



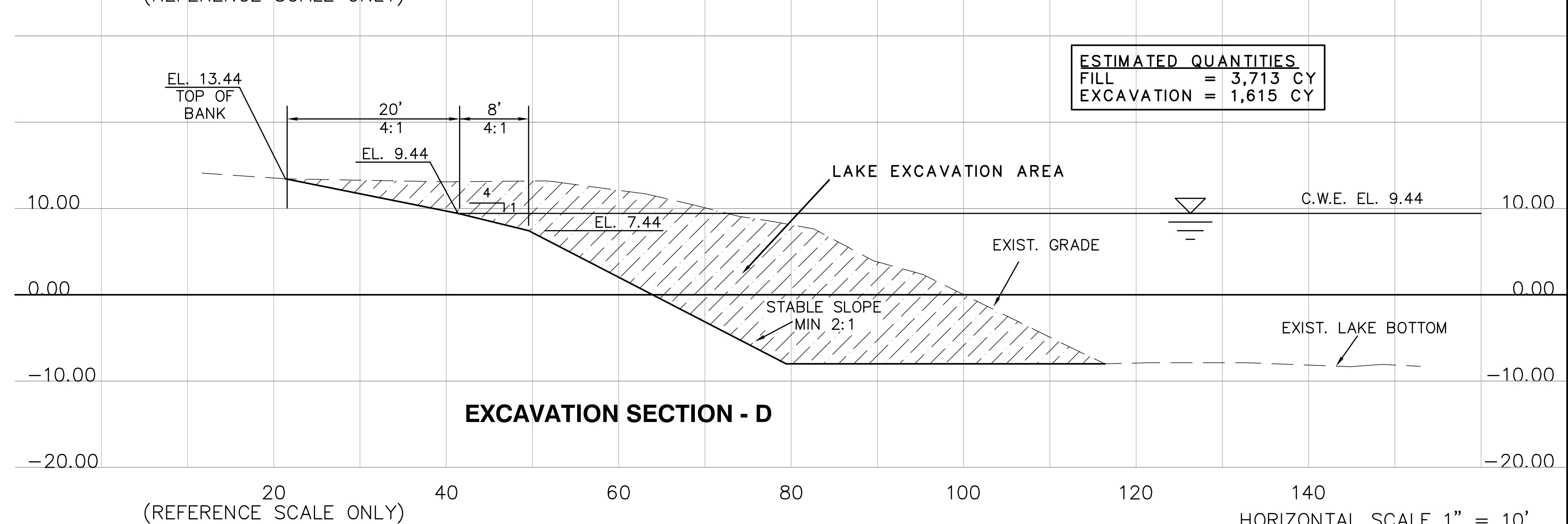
FILL SECTION - A



FILL SECTION - B



FILL SECTION - C

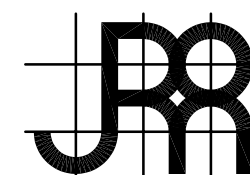


EXCAVATION SECTION - D

ESTIMATED QUANTITIES
FILL = 3,713 CY
EXCAVATION = 1,615 CY

HORIZONTAL SCALE 1" = 10'
VERTICAL SCALE 1" = 10'

DESIGNED BY	IK	10/12				
DRAWN BY	IK	10/12				
CHECKED BY	JWR	10/12				
APPROVED BY	JWR	10/12	ISSUED FOR PERMITTING AND BIDDING	1	4/4/13	IK
NAME	DATE		REVISIONS	NO.	DATE	BY



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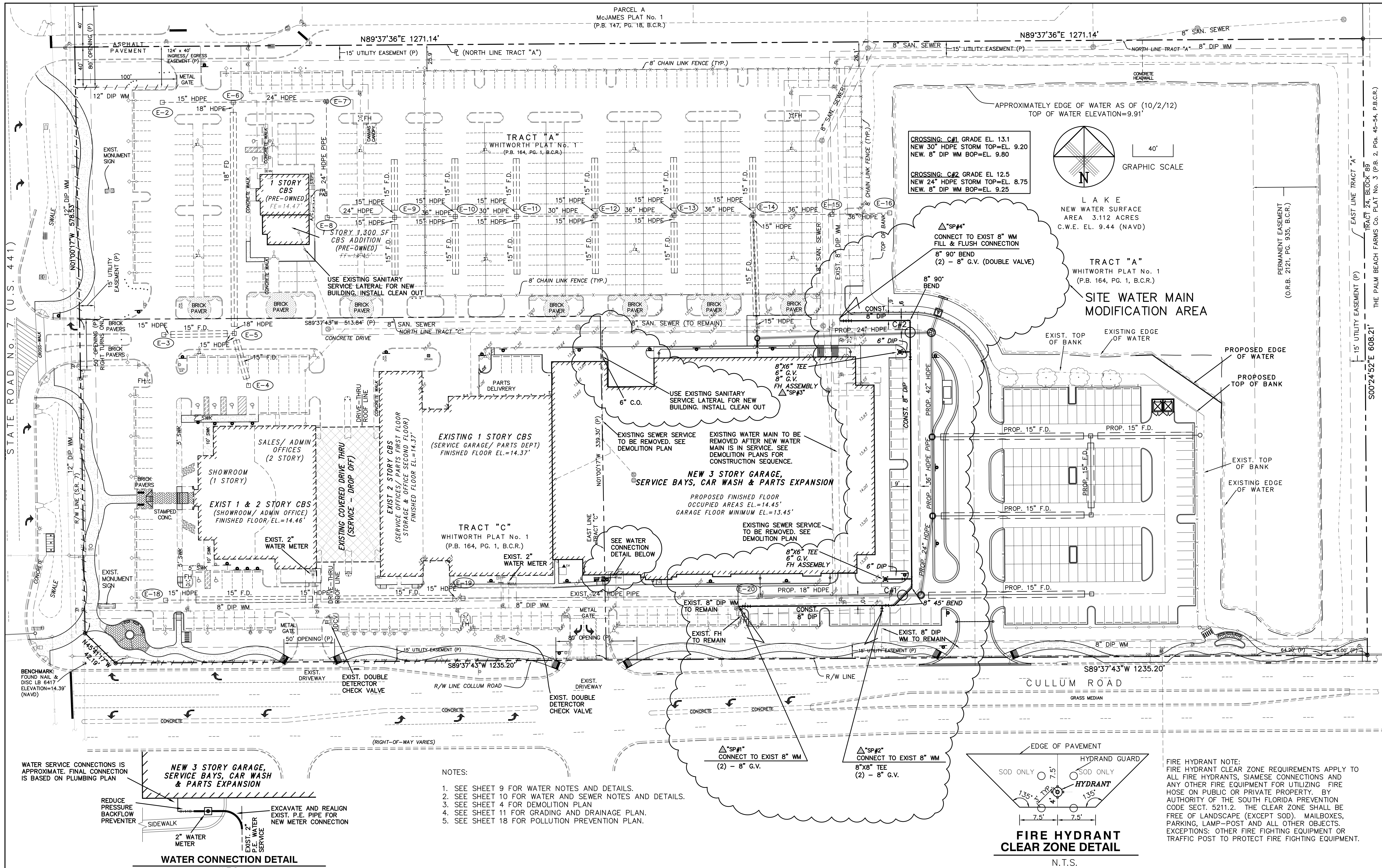
GUNTHER VOLKSWAGEN
CITY OF COCONUT CREEK, FLORIDA

LAKE SECTIONS DETAILS AND NOTES

JOSEPH W. ROLES, JR., P.E.
REG. ENGINEER NO. 16965

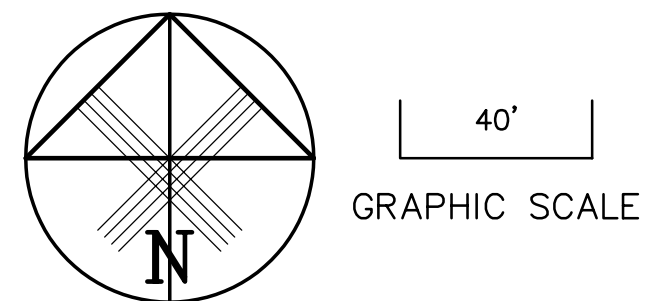
DATE: OCTOBER 2012
SCALE: AS SHOWN
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SHEET NO. 7 OF 19



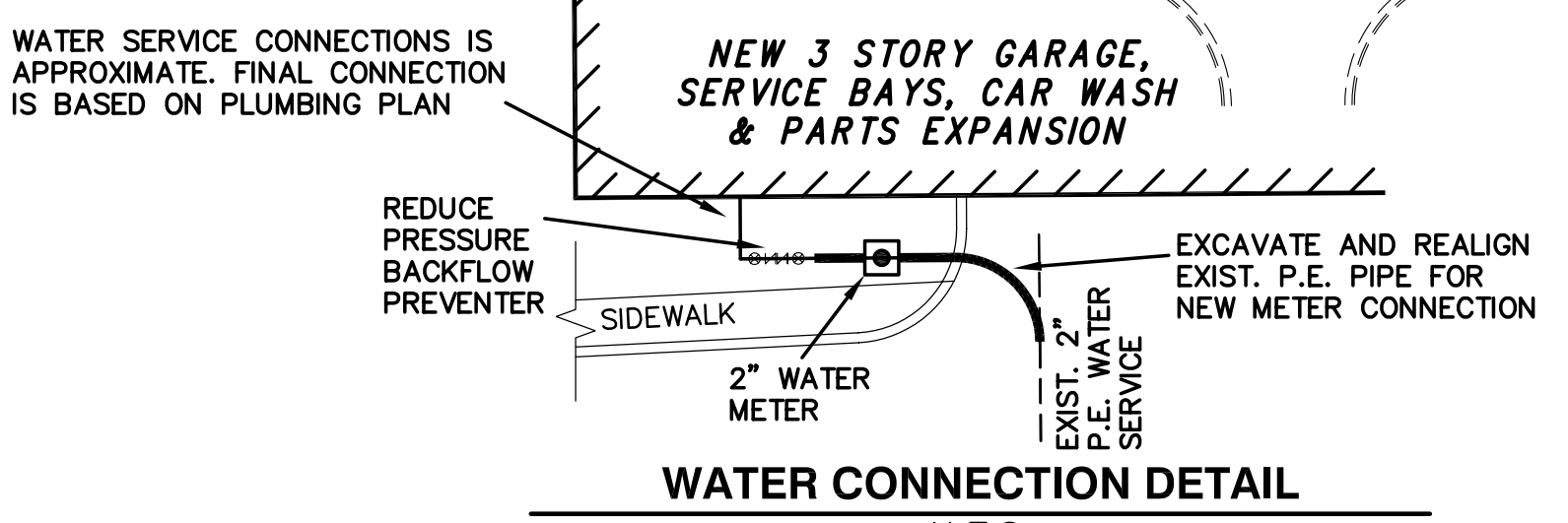
CROSSING: C#1 GRADE EL. 13.1
 NEW 30" HDPE STORM TOP=EL. 9.20
 NEW 8" DIP WM BOP=EL. 9.80

CROSSING: C#2 GRADE EL. 12.5
 NEW 24" HDPE STORM TOP=EL. 8.75
 NEW 8" DIP WM BOP=EL. 9.25



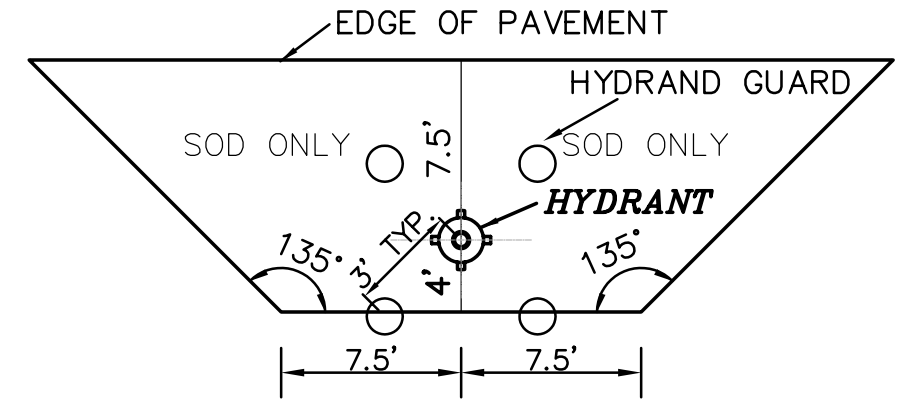
L A K E
 NEW WATER SURFACE
 AREA 3.112 ACRES
 C.W.E. EL. 9.44 (NAVD)

TRACT "A"
 WHITWORTH PLAT No. 1
 (P.B. 164, PG. 1, B.C.R.)
**SITE WATER MAIN
 MODIFICATION AREA**



WATER CONNECTION DETAIL
 N.T.S.

- NOTES:
1. SEE SHEET 9 FOR WATER NOTES AND DETAILS.
 2. SEE SHEET 10 FOR WATER AND SEWER NOTES AND DETAILS.
 3. SEE SHEET 4 FOR DEMOLITION PLAN
 4. SEE SHEET 11 FOR GRADING AND DRAINAGE PLAN.
 5. SEE SHEET 18 FOR POLLUTION PREVENTION PLAN.



**FIRE HYDRANT
 CLEAR ZONE DETAIL**
 N.T.S.

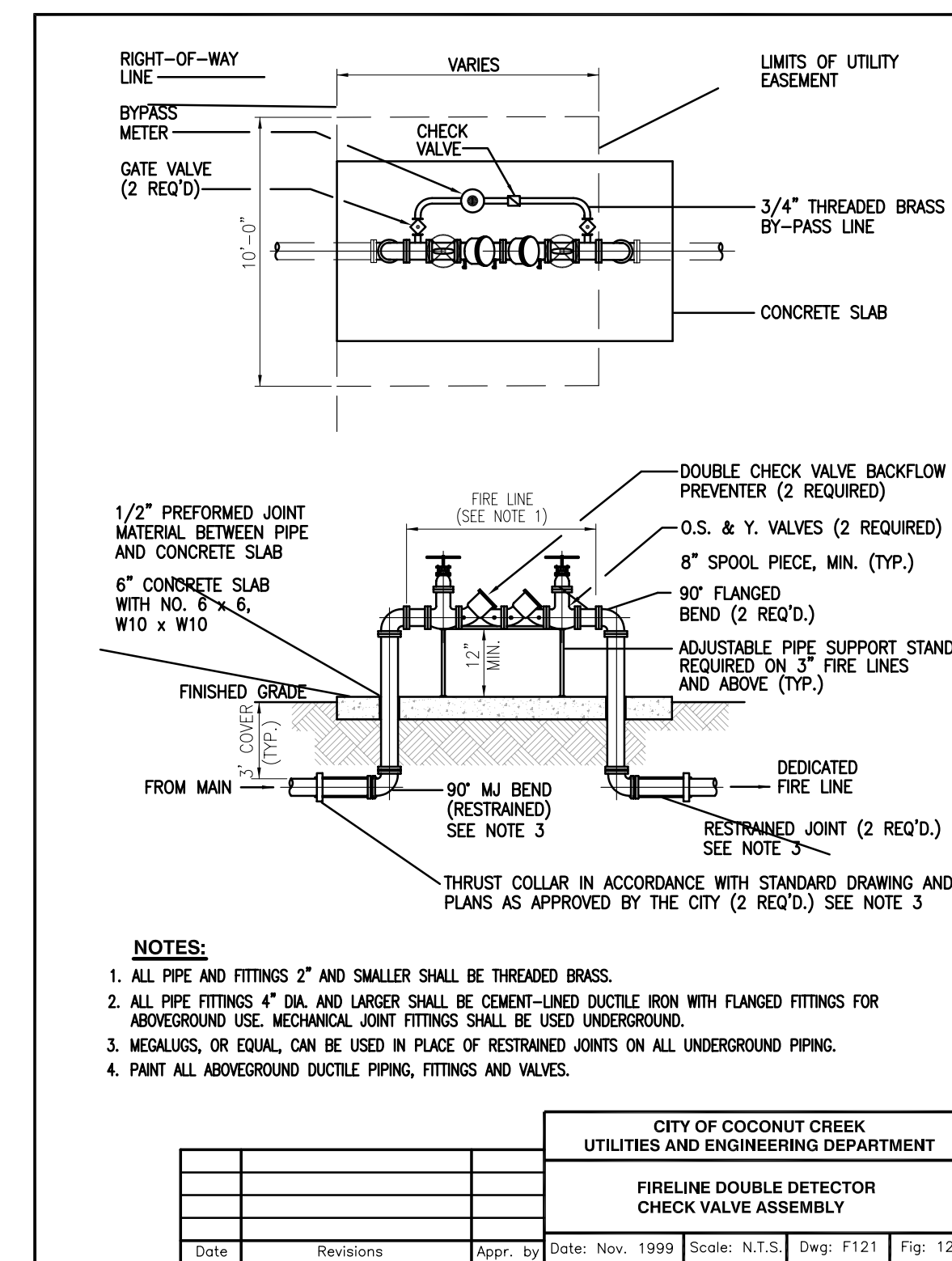
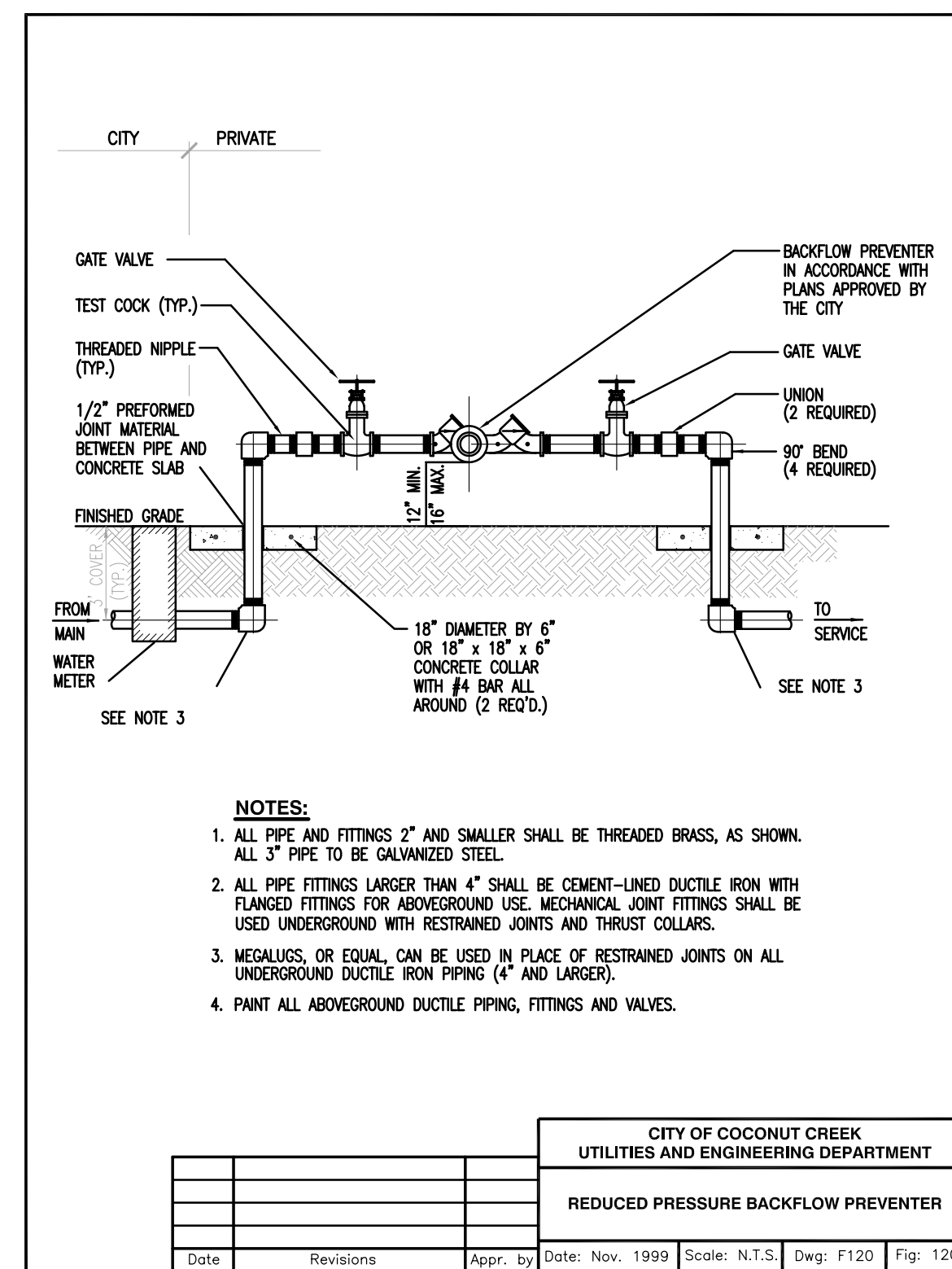
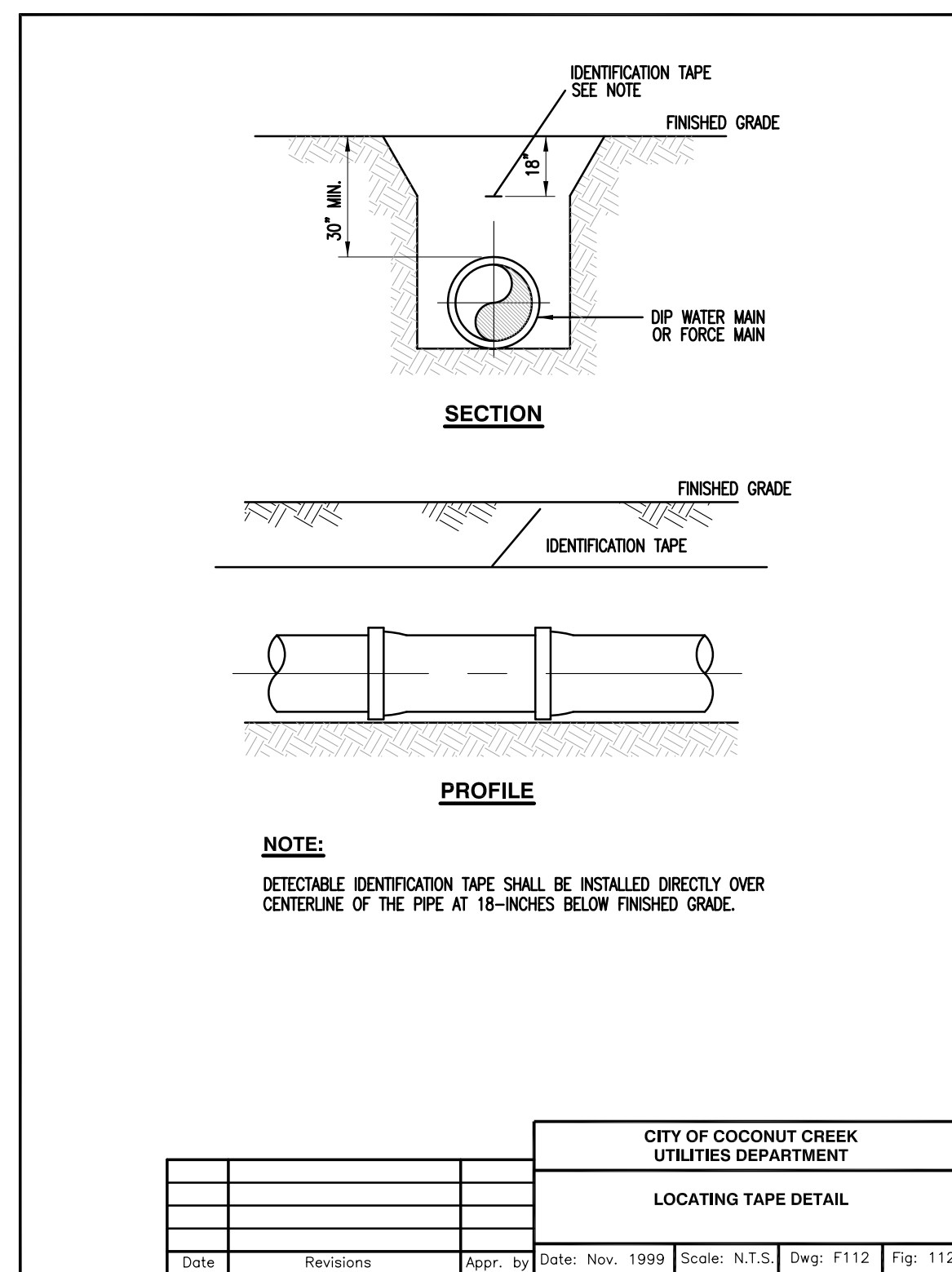
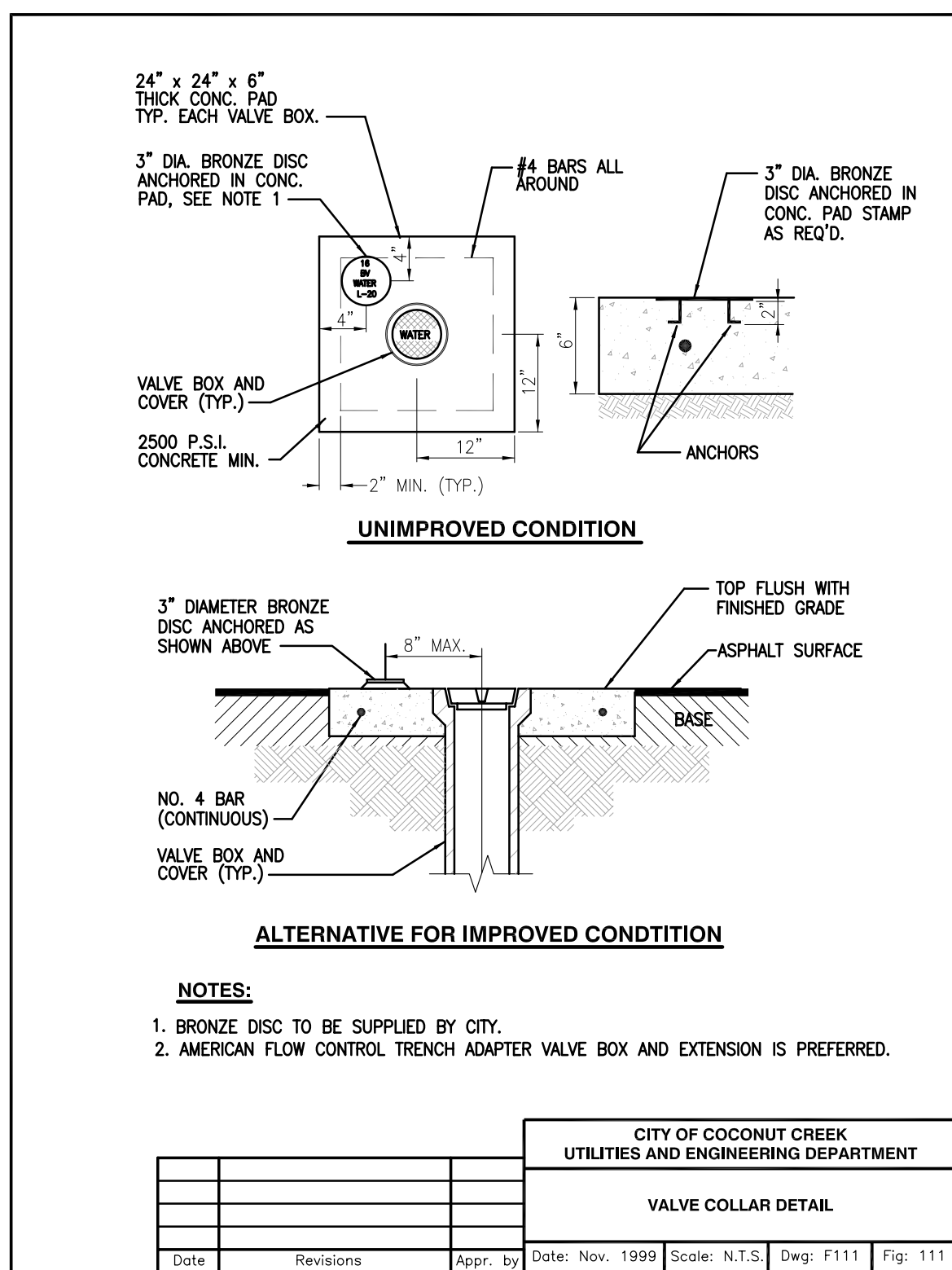
FIRE HYDRANT NOTE:
 FIRE HYDRANT CLEAR ZONE REQUIREMENTS APPLY TO ALL FIRE HYDRANTS, SIAMESE CONNECTIONS AND ANY OTHER FIRE EQUIPMENT FOR UTILIZING FIRE HOSE ON PUBLIC OR PRIVATE PROPERTY. BY AUTHORITY OF THE SOUTH FLORIDA PREVENTION CODE SECT. 5211.2. THE CLEAR ZONE SHALL BE FREE OF LANDSCAPE (EXCEPT SOD), MAILBOXES, PARKING, LAMP-POST AND ALL OTHER OBJECTS. EXCEPTIONS: OTHER FIRE FIGHTING EQUIPMENT OR TRAFFIC POST TO PROTECT FIRE FIGHTING EQUIPMENT.

DESIGNED BY	IK	10/12				
DRAWN BY	IK	10/12				
CHECKED BY	JWR	10/12				
APPROVED BY	JWR	10/12	ISSUED FOR PERMITTING AND BIDDING	1	4/4/13	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 VOLKSWAGEN
 CITY OF COCONUT CREEK, FLORIDA
WATER MAIN / SEWER SERVICE PLAN

DATE:	OCTOBER 2012
SCALE:	AS SHOWN
PROJECT NO.	111-511-01
SHEET NO.	8 OF 19



	PIPE SIZE								
	6"	8"	10"	12"	16"	20"	24"	30"	36"
90° BEND	41	53							
45° BEND	19	24							
22-1/2° BEND	9	12							
11-1/4° BEND	4	6							
PLUG OR BRANCH OF TEE	45	59	34	47					
	8'x6'	8'x8'							

* SEE NOTE 7.

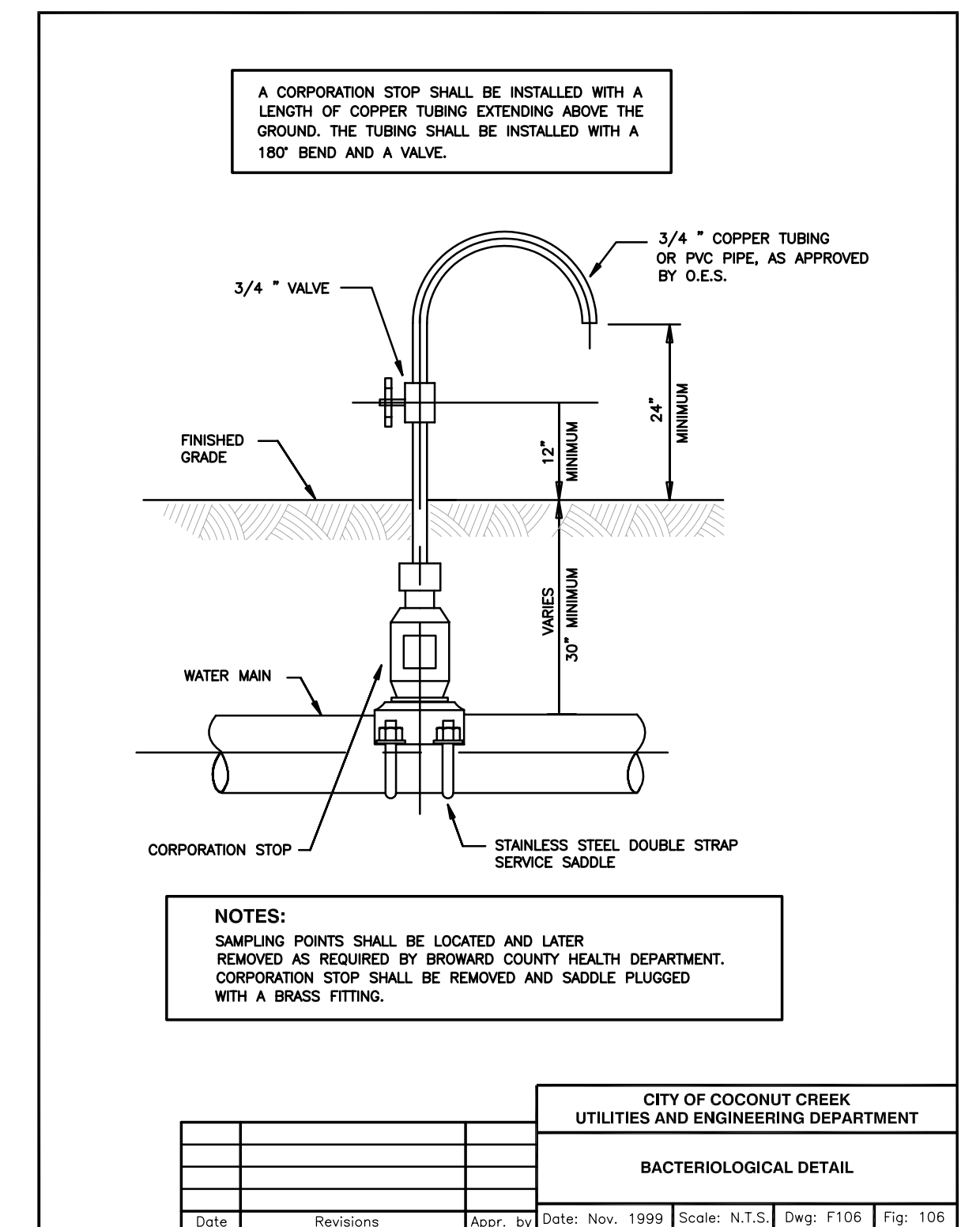
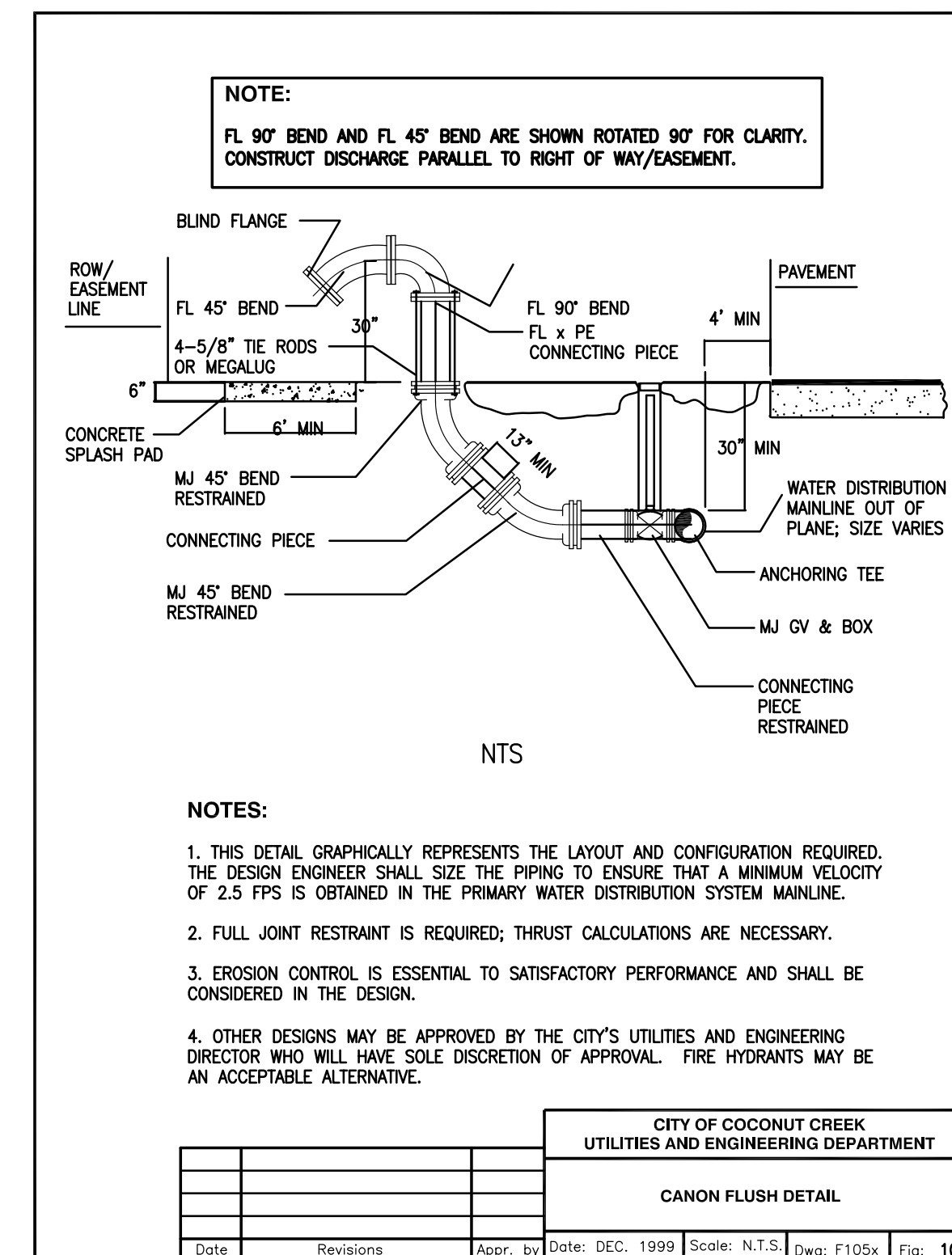
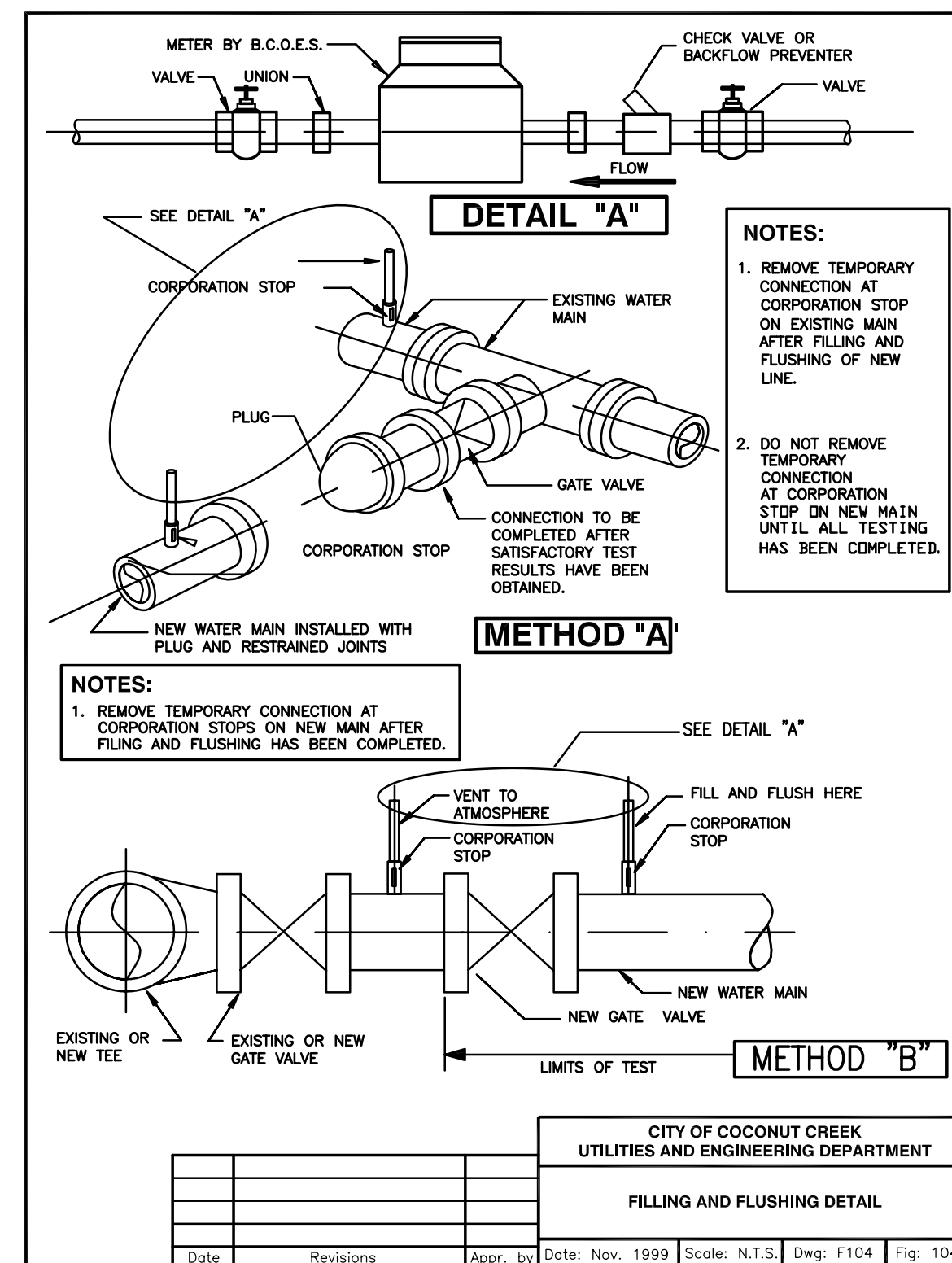
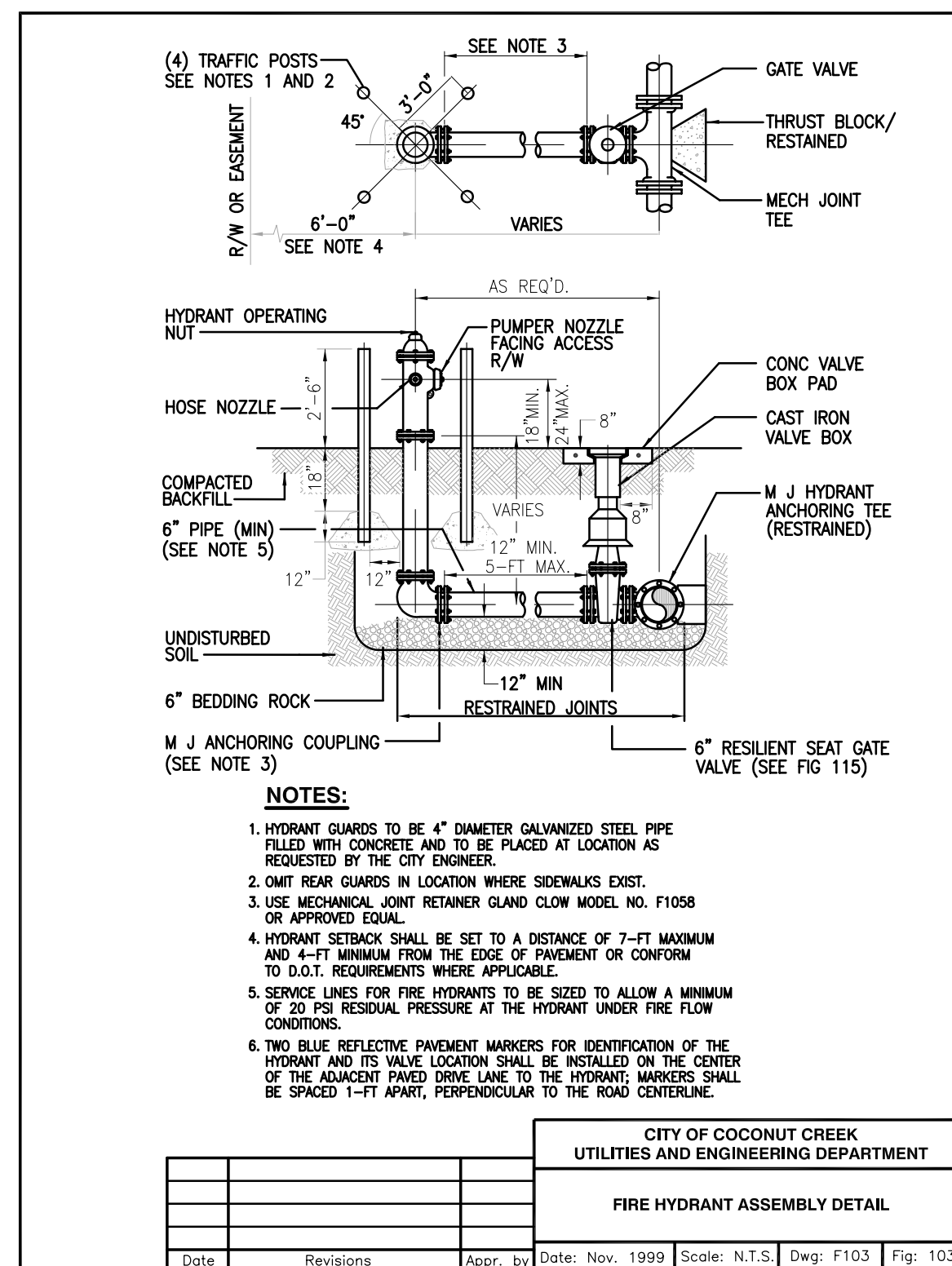
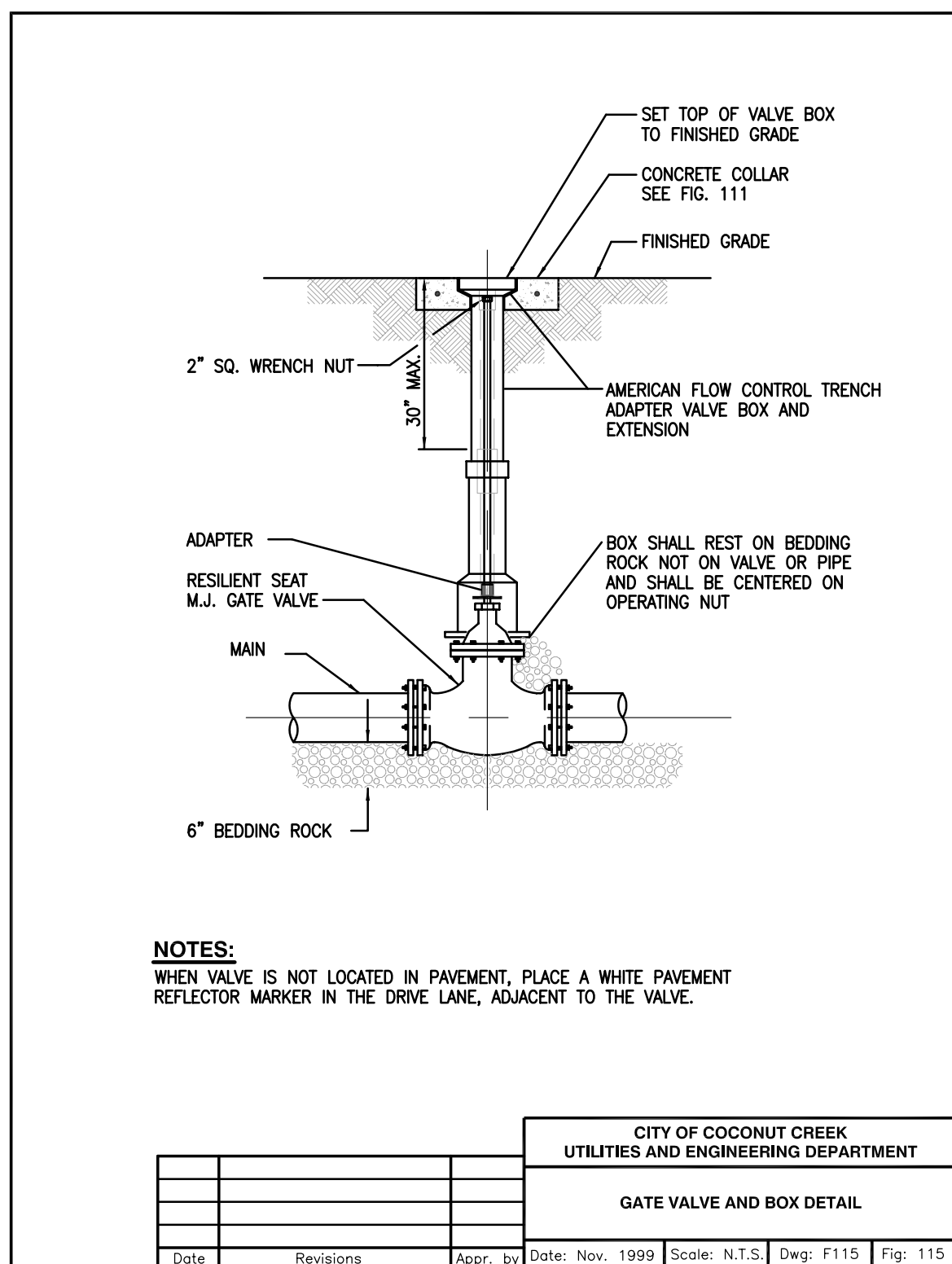
NOTES:

- FITTINGS SHALL BE RESTRAINED JOINTS UNLESS OTHERWISE INDICATED.
- INSTALL FULL LENGTH JOINTS WITH TOTAL LENGTH EQUAL TO OR GREATER THAN SHOWN IN THE TABLE.
- WHERE TWO OR MORE FITTINGS ARE TOGETHER, USE FITTING WHICH YIELDS GREATEST LENGTH OF RESTRAINED PIPE.
- LINE VALVES AND THROUGH RUNS OF TEES OUTSIDE LIMITS OF RESTRAINED JOINTS FROM OTHER FITTINGS NEED NOT BE RESTRAINED UNLESS OTHERWISE INDICATED.
- LENGTHS SHOWN IN THE TABLE HAVE BEEN CALCULATED IN ACCORDANCE WITH THE PROCEDURE OUTLINED IN "THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE" AS PUBLISHED BY DIPRA, WITH THE FOLLOWING ASSUMPTIONS:
WORKING PRESSURE: 150 P.S.I.*
SOIL DESIGNATION: SAND #
LAYING CONDITIONS: 3' BURY DEPTH, S.F.=1.5, TRENCH TYPE 3.
- FOR PIPE ENCASED IN POLYETHYLENE, USE VALUES GIVEN IN PARENTHESES OR INCREASE THE GIVEN VALUE BY A FACTOR OF 1.5.
- TO BE COMPLETED BY THE DESIGN ENGINEER.

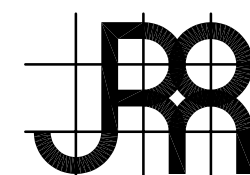
Date	Revisions	Appr. by	Date: Nov. 1999	Scale: N.T.S.	Dwg: F108	Fig: 108
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CITY OF COCONUT CREEK
UTILITIES AND ENGINEERING DEPARTMENT

RESTRAINED PIPE DETAIL



DESIGNED BY	IK	10/12				
DRAWN BY	IK	10/12				
CHECKED BY	JWR	10/12				
APPROVED BY	JWR	10/12	ISSUED FOR PERMITTING AND BIDDING	1	4/4/13	IK
NAME	DATE		REVISIONS	NO.	DATE	BY

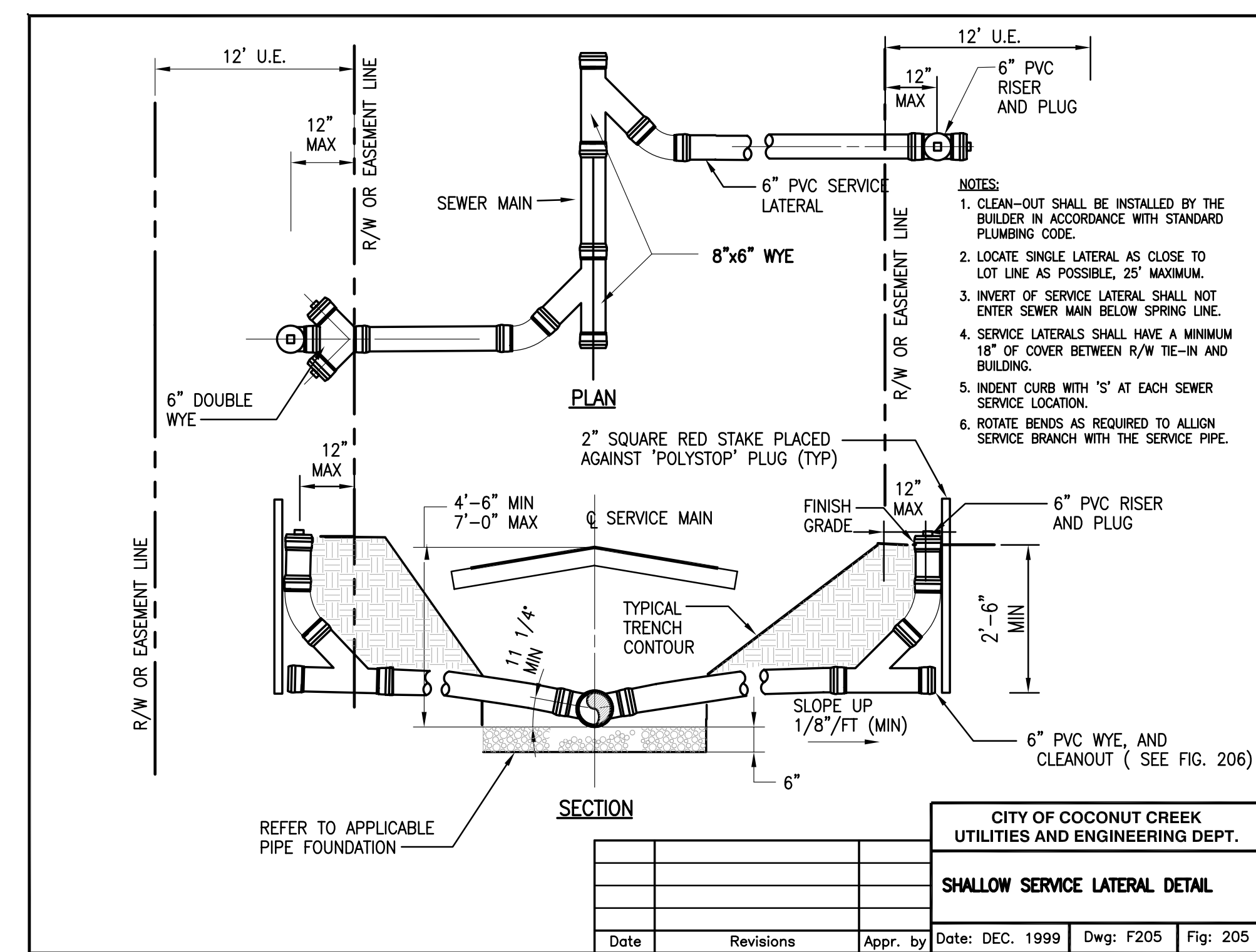
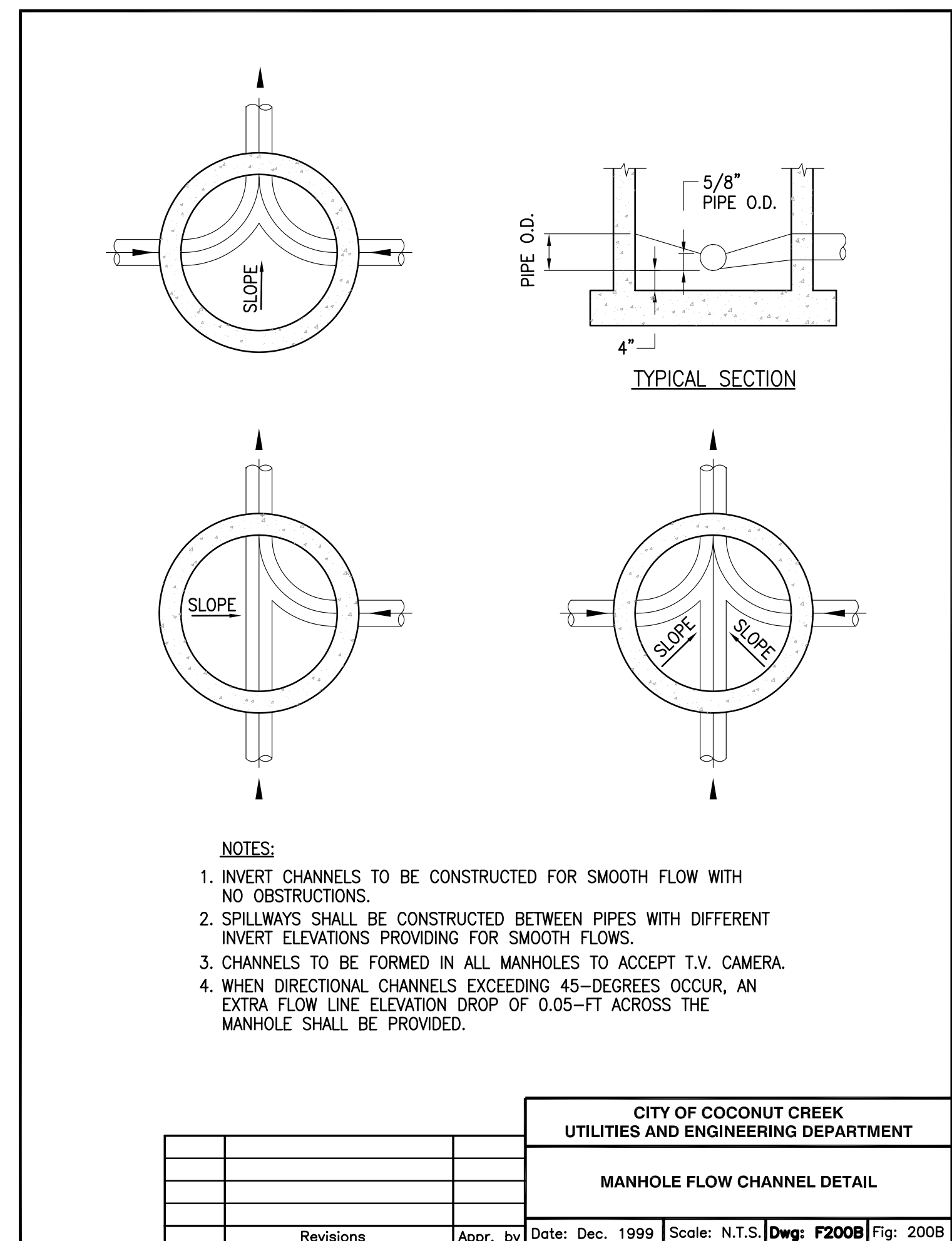
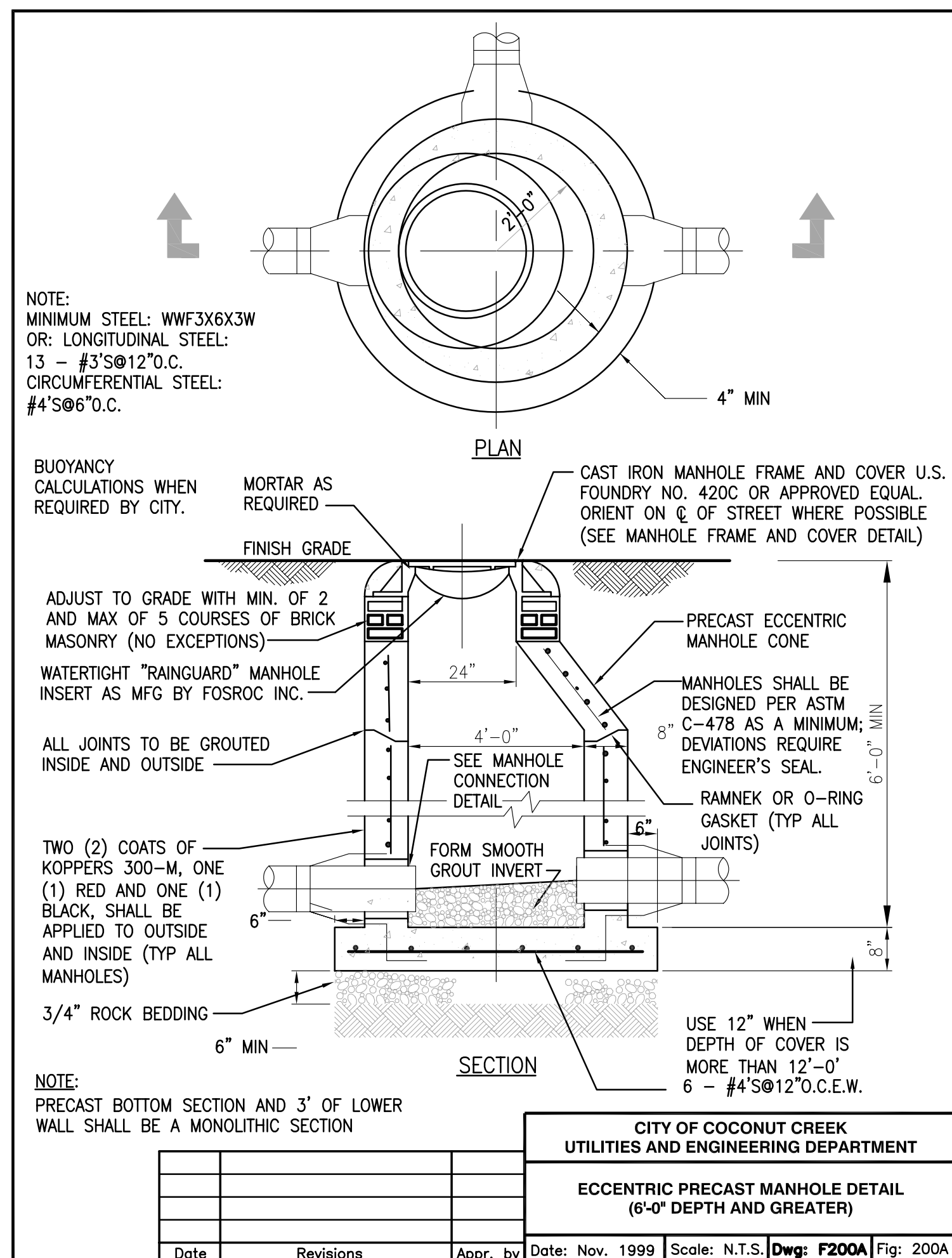
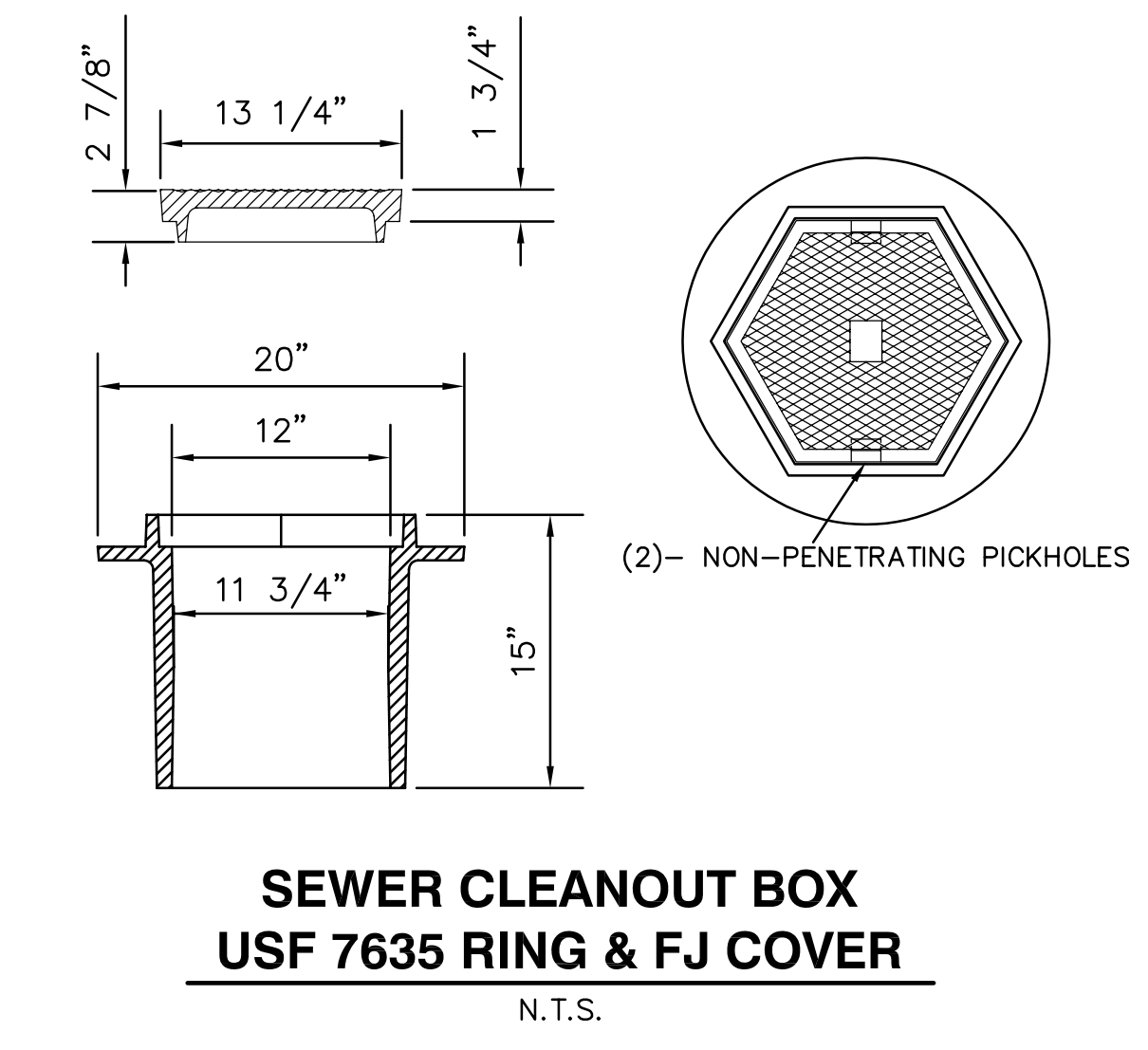
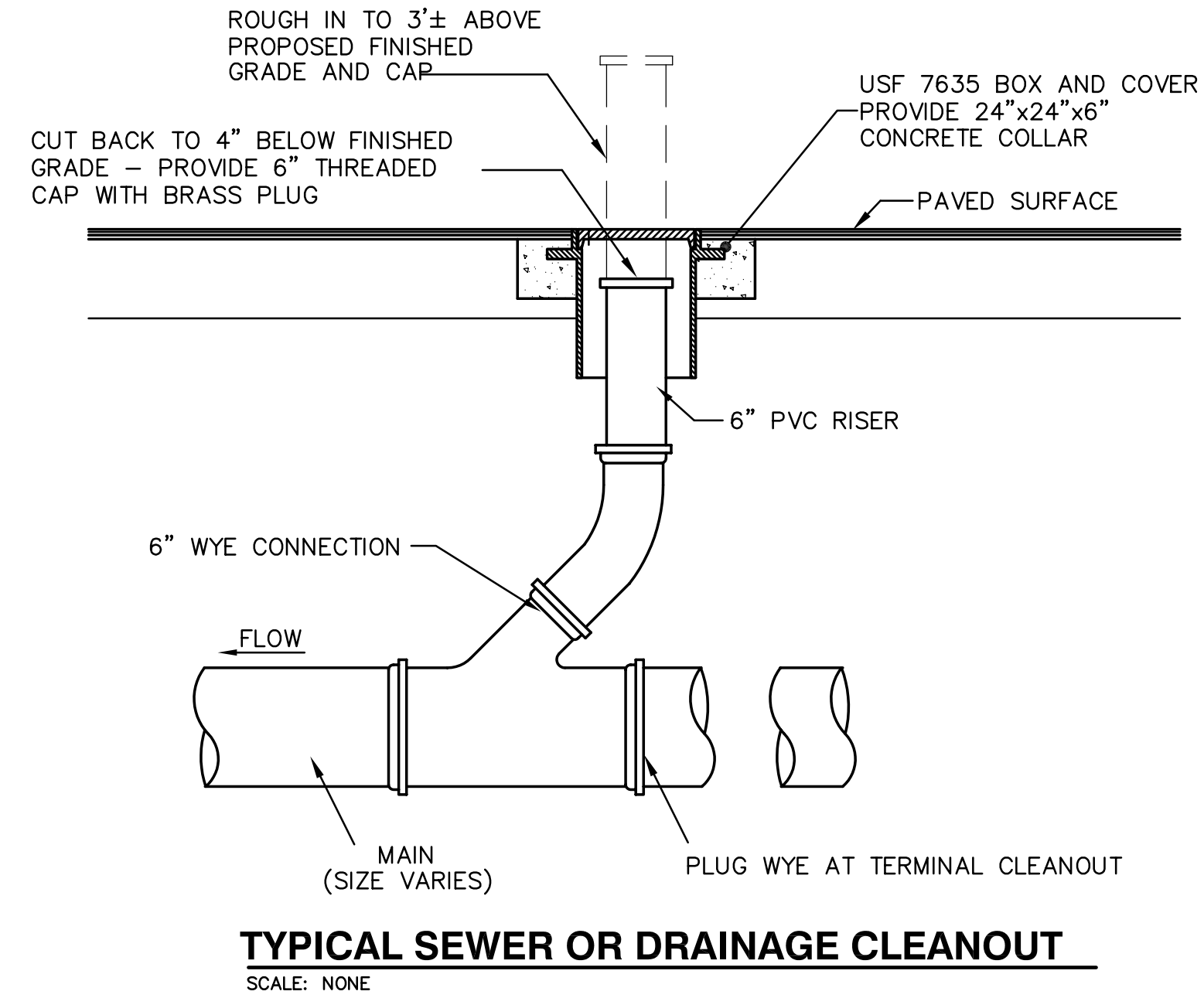
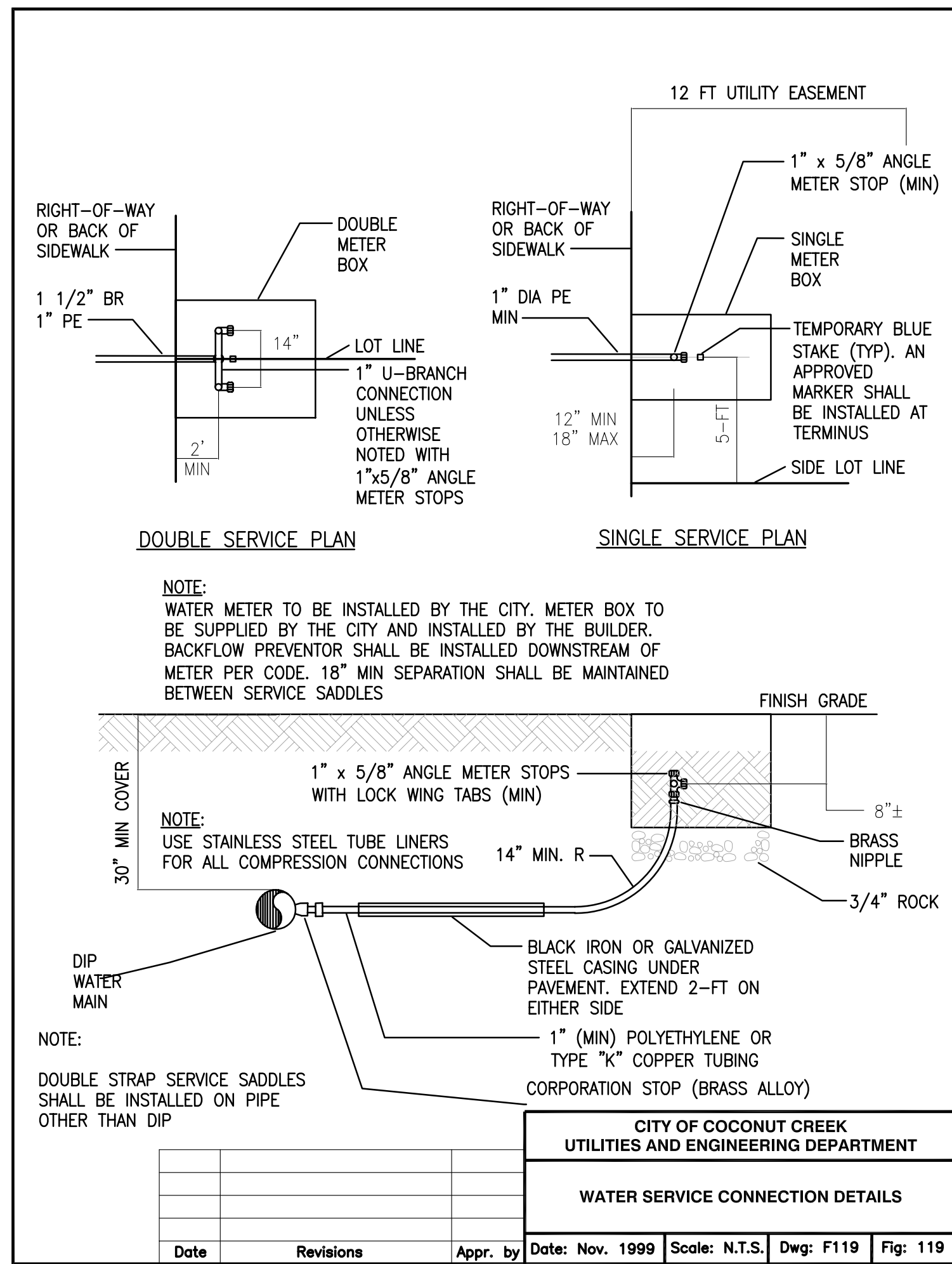


JOSEPH ROLES AND ASSOC., INC.
CONSULTING ENGINEERS
7501 N.W. 4th STREET, SUITE 101
PLANTATION, FLORIDA 33317
PHONE (954) 581-1945
CERTIFICATE OF AUTHORIZATION NO. 3948

GUNTHER VOLKSWAGEN
CITY OF COCONUT CREEK, FLORIDA
WATER DETAILS

DATE:	NOVEMBER, 2012
SCALE:	AS SHOWN
PROJECT NO.	111-511-01
SHEET NO.	9 OF 19

JOSEPH W. ROLES, JR. P.E.
REG. ENGINEER NO. 16965



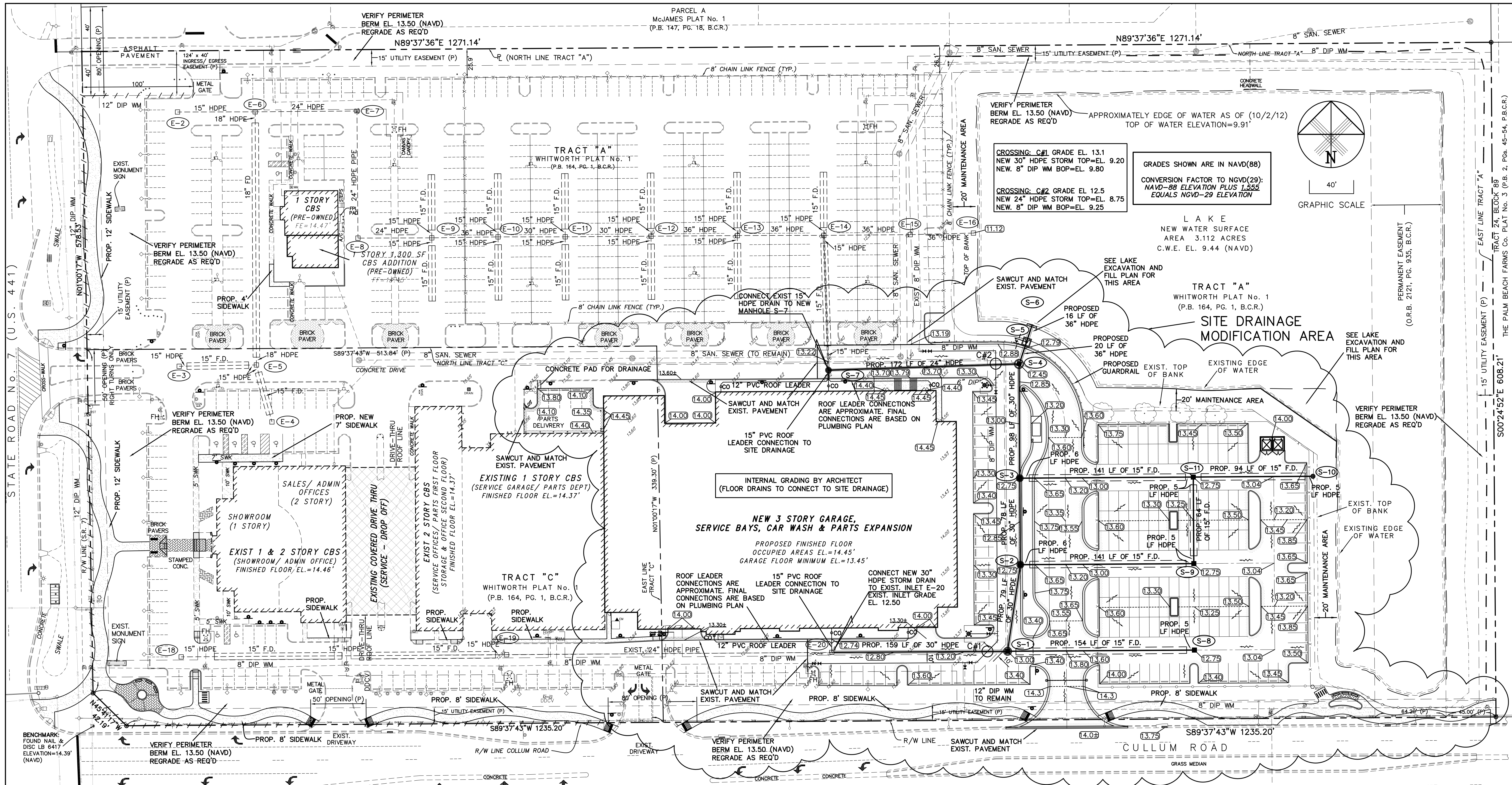
DESIGNED BY	DATE	REVISIONS	NO.	DATE	BY
IK	10/12				
IK	10/12				
JWR	10/12				
JWR	10/12	ISSUED FOR PERMITTING AND BIDDING	1	4/4/13	IK

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 VOLKSWAGEN
CITY OF COCONUT CREEK, FLORIDA
WATER & SEWER DETAILS

DATE:	NOVEMBER, 2012
SCALE:	AS SHOWN
PROJECT NO.	111-511-01
SHEET NO.	10 OF 19

JOSEPH W. ROLES, JR. P.E.
REG. ENGINEER NO. 16965



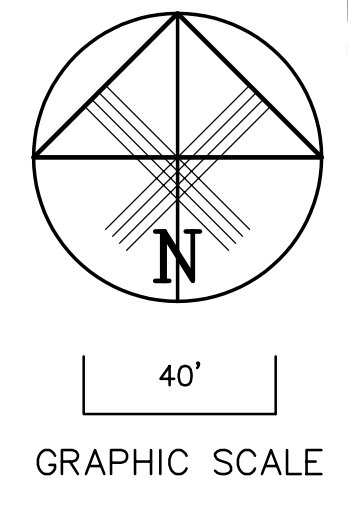
VERIFY PERIMETER BERM EL. 13.50 (NAVD) REGRADE AS REQ'D

APPROXIMATELY EDGE OF WATER AS OF (10/2/12) TOP OF WATER ELEVATION=9.91'

CROSSING: C#1 GRADE EL. 13.1
NEW 30" HDPE STORM TOP=EL. 9.20
NEW 8" DIP WM BOP=EL. 9.80

CROSSING: C#2 GRADE EL. 12.5
NEW 24" HDPE STORM TOP=EL. 8.75
NEW 8" DIP WM BOP=EL. 9.25

GRADES SHOWN ARE IN NAVD(88)
CONVERSION FACTOR TO NGVD(29):
NAVD-88 ELEVATION PLUS 1.555
EQUALS NGVD-29 ELEVATION



L A K E
NEW WATER SURFACE
AREA 3.112 ACRES
C.W.E. EL. 9.44 (NAVD)

SITE DRAINAGE MODIFICATION AREA

INTERNAL GRADING BY ARCHITECT
(FLOOR DRAINS TO CONNECT TO SITE DRAINAGE)

**NEW 3 STORY GARAGE,
SERVICE BAYS, CAR WASH & PARTS EXPANSION**

PROPOSED FINISHED FLOOR
OCCUPIED AREAS EL.=14.45'
GARAGE FLOOR MINIMUM EL.=13.45'

- NOTES:
- SEE MAINSTREET SIDEWALK PLAN (SHEET 16) FOR S.R. 7 AND CULLUM ROAD FRONTAGE MODIFICATION
 - SEE TEMPORARY PARKING PLAN (SHEET 5) FOR PHASE CONSTRUCTION OF DRAINAGE FOR THIS PLAN.
 - SEE SHEET 4 FOR DEMOLITION PLAN
 - SEE SHEET 8 FOR WATER AND SEWER PLAN.
 - SEE SHEET 12 AND 13 FOR DRAINAGE DETAILS.
 - SEE SHEET 14 FOR PAVING & GEOMETRY PLAN.
 - SEE SHEET 15 FOR CONCRETE PAVEMENT PLAN.

BERM NOTE:
PERIMETER BERM TO BE ADJUSTED TO MINIMUM ELEVATION OF 13.5 (NAVD)

- | | | | | | |
|--|--|--|---|--|---|
| (E-20) EXIST. INLET (TO REMAIN)
GRATE EL. 12.50
NEW 30" HDPE I.E. (E) 7.00
EXIST. 24" HDPE I.E. (W) 7.97± | (S-2) CONST. INLET TYPE J (5' DIA.)
GRATE ELEV. 12.75
30" HDPE I.E. (N) 6.35
30" HDPE I.E. (S) 6.35
15" FD I.E. (E) 9.44 | (S-4) CONST. INLET TYPE J (7' DIA.)
GRATE ELEV. 12.45
36" HDPE I.E. (NE) 6.00
30" HDPE I.E. (S) 6.00
24" HDPE I.E. (E) 6.50
HALF PIPE 48" BAFFLE (36" PIPE) | (S-6) CONST. ENDWALL
30" HDPE INV. ELEV. (E) 6.90 | (S-8) CONST. MANHOLE TYPE P
RIM ELEV. 12.75
15" F.D. I.E. (W) 9.44 | (S-10) CONST. MANHOLE TYPE P
RIM ELEV. 14.00
15" F.D. I.E. (W) 9.44 |
| (S-1) CONST. INLET TYPE J (6' DIA.)
GRATE ELEV. 13.00
30" HDPE I.E. (N) 6.50
15" F.D. I.E. (E) 9.44
30" HDPE I.E. (W) 6.50 | (S-3) CONST. INLET TYPE J (5' DIA.)
GRATE ELEV. 12.75
30" HDPE I.E. (N) 6.20
30" HDPE I.E. (S) 6.20
15" FD I.E. (E) 9.44 | (S-5) CONST. MANHOLE TYPE J (6'x6')
CONTROL STRUCTURE
HALF PIPE 54" WEIR EL. 11.14(NE)
RIM ELEV. 14.00
36" HDPE I.E. (NE) 6.95
36" HDPE I.E. (SW) 6.95 | (S-7) CONST. MANHOLE TYPE P (4' DIA.)
RIM ELEV. 13.22
NEW 15" PVC LEADER I.E. (S) 8.00
NEW 24" HDPE I.E. (E) 7.00
EXIST. 15" F.D. I.E. (N) 9.2± | (S-9) CONST. INLET TYPE J
GRATE ELEV. 12.75
15" F.D. I.E. (E) 9.44
15" F.D. I.E. (W) 9.44 | (S-11) CONST. INLET TYPE J
GRATE ELEV. 12.75
15" F.D. I.E. (S) 9.44
15" F.D. I.E. (E) 9.44
15" F.D. I.E. (W) 9.44 |

DESIGNED BY	IK	10/12
DRAWN BY	IK	10/12
CHECKED BY	JWR	10/12
APPROVED BY	JWR	10/12
NAME	DATE	ISSUED FOR PERMITTING AND BIDDING

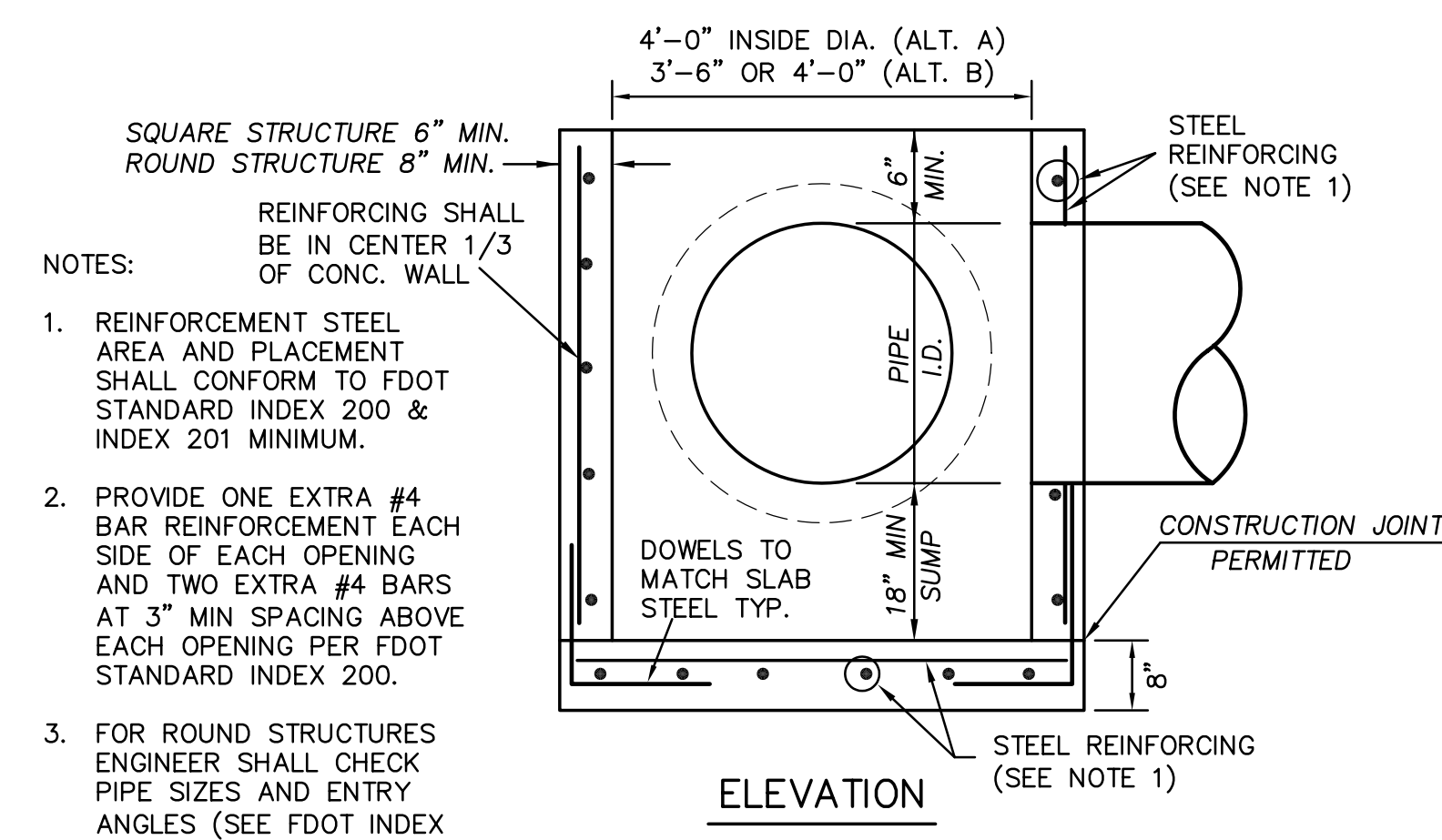
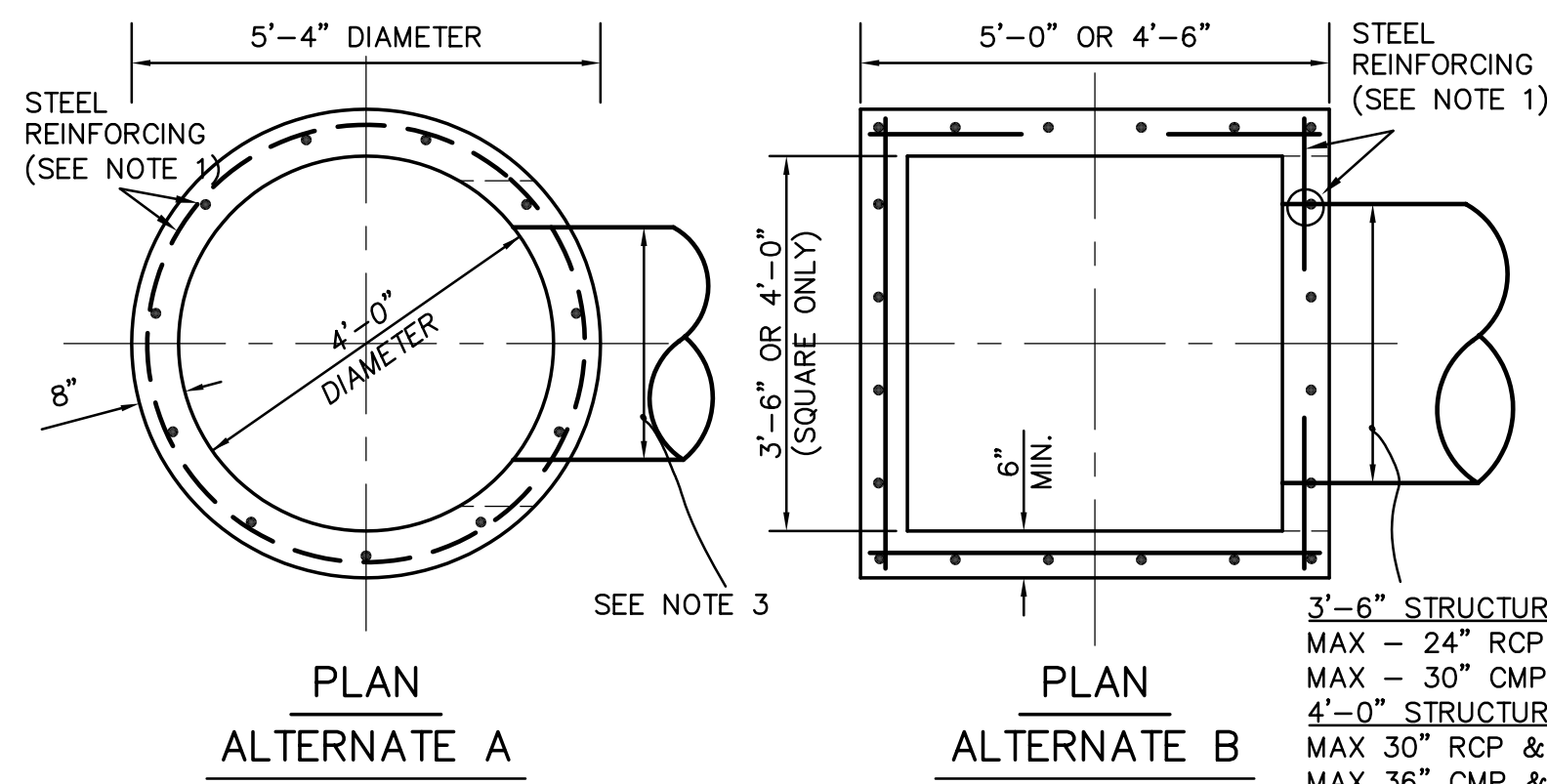
NO.	DATE	BY
1	4/4/13	IK
REVISIONS		

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

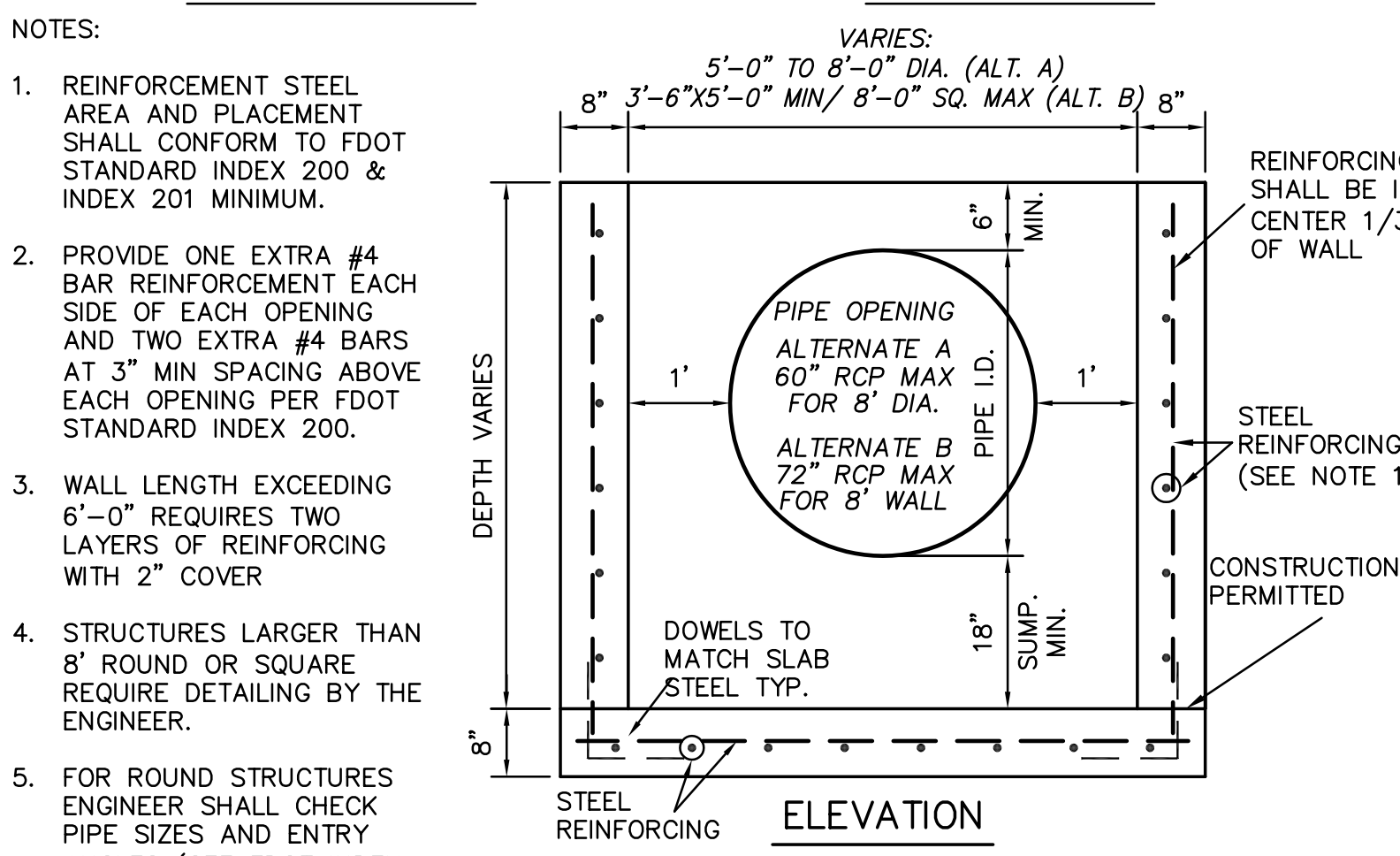
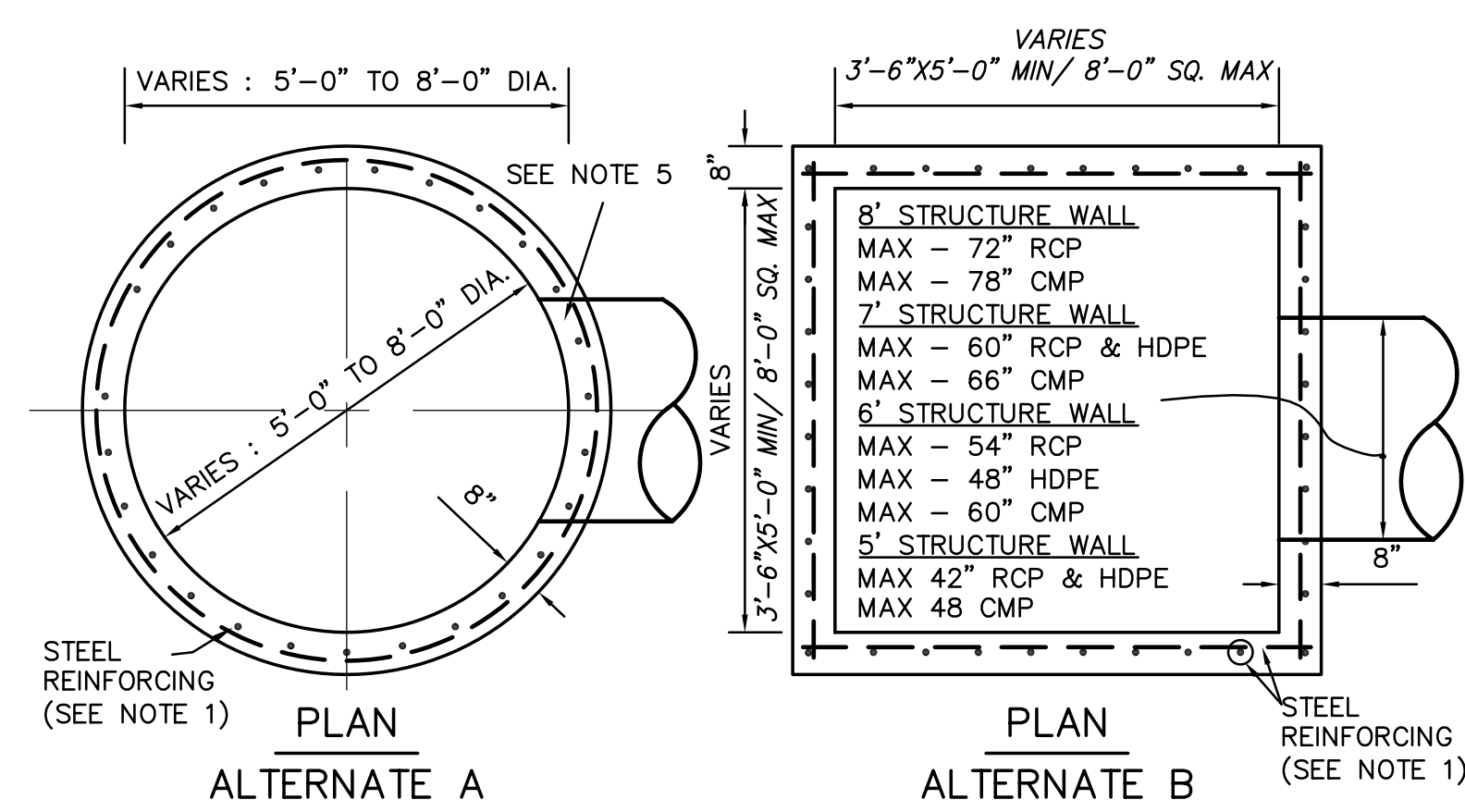
GUNTHER VOLKSWAGEN
CITY OF COCONUT CREEK, FLORIDA
GRADING AND DRAINAGE PLAN

DATE:	OCTOBER 2012
SCALE:	AS SHOWN
PROJECT NO.	111-511-01
SHEET NO.	11 OF 19

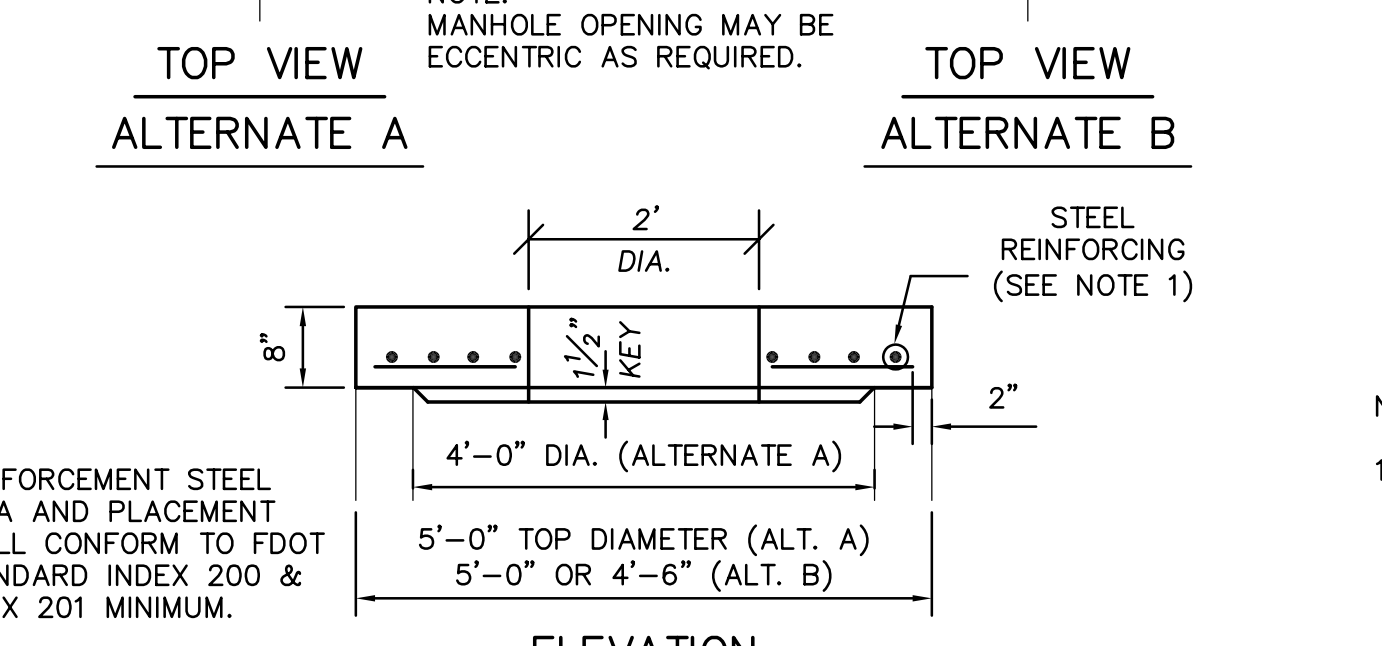
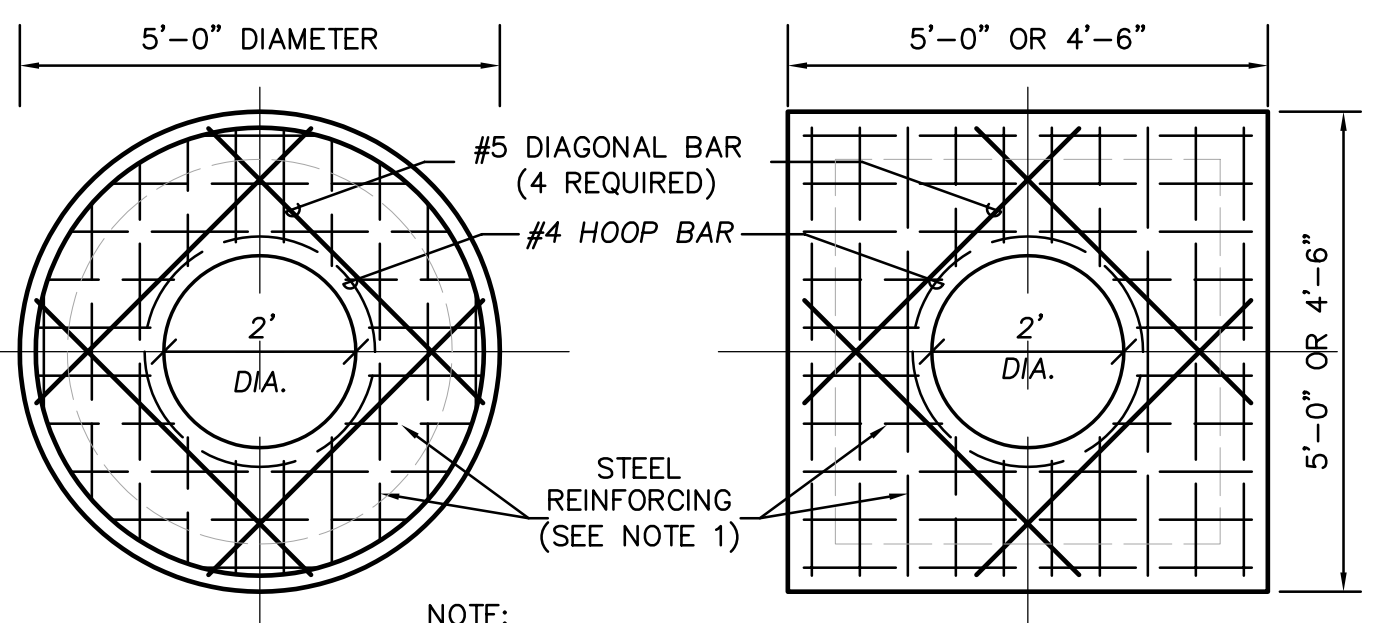
JOSEPH W. ROLES, JR. P.E.
REG. ENGINEER NO. 16965



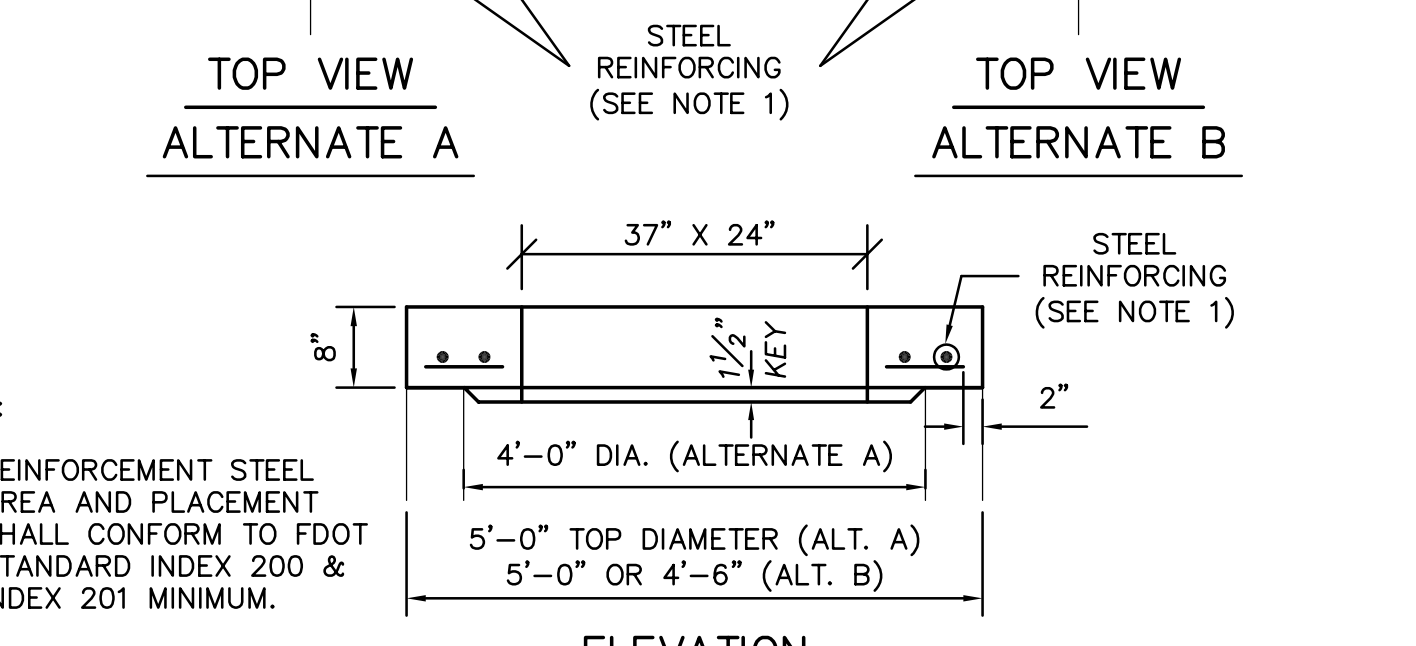
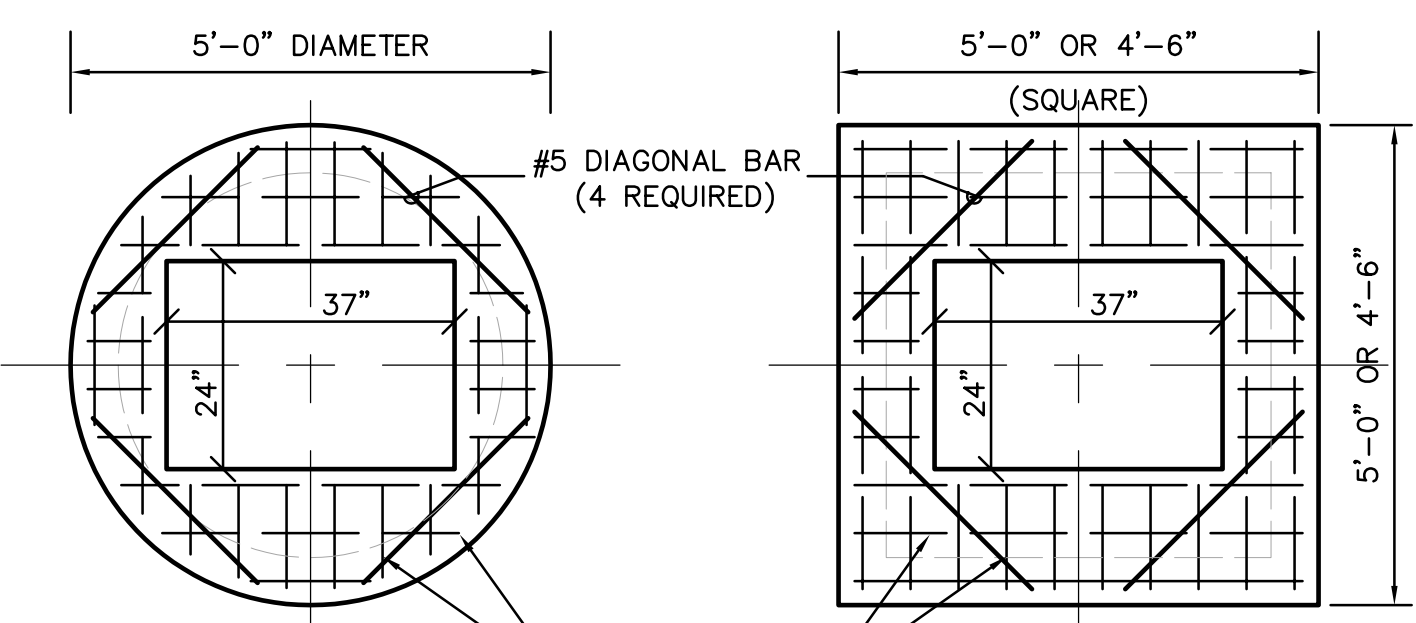
**TYPE "P" - MANHOLE & INLET
STRUCTURE BOTTOM**
NOT TO SCALE



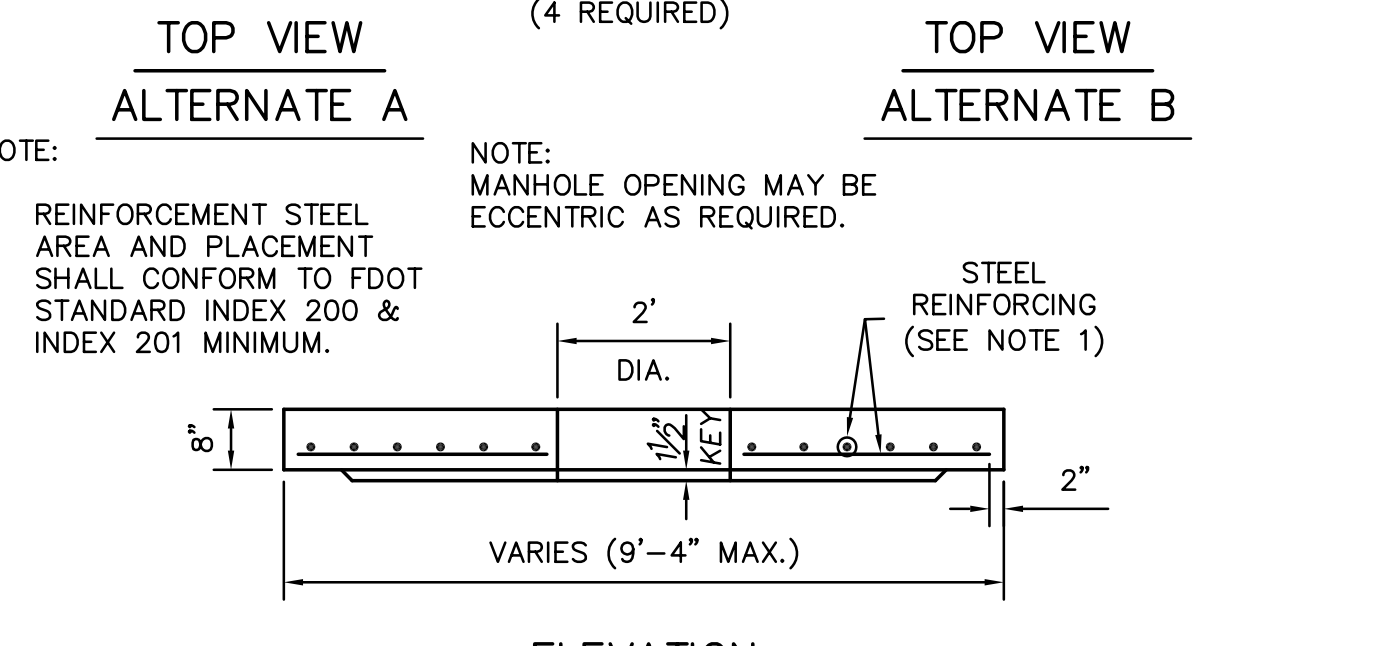
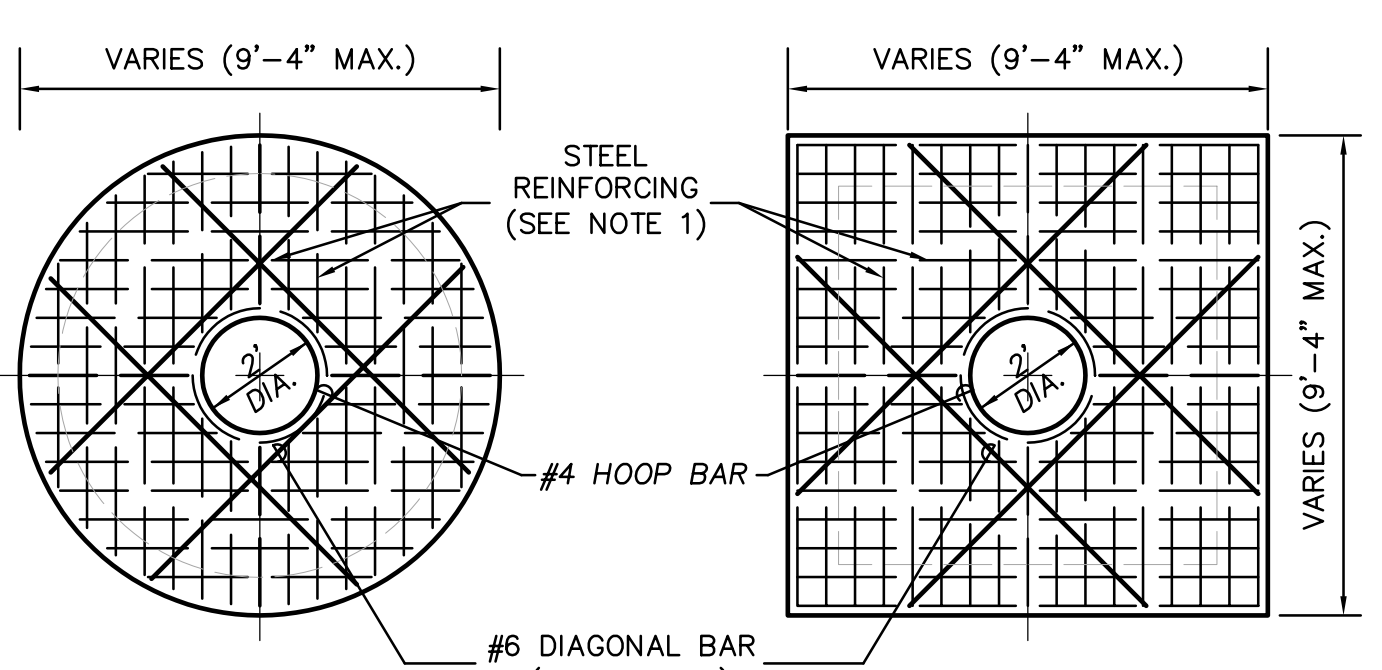
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STRUCTURE BOTTOM**
NOT TO SCALE



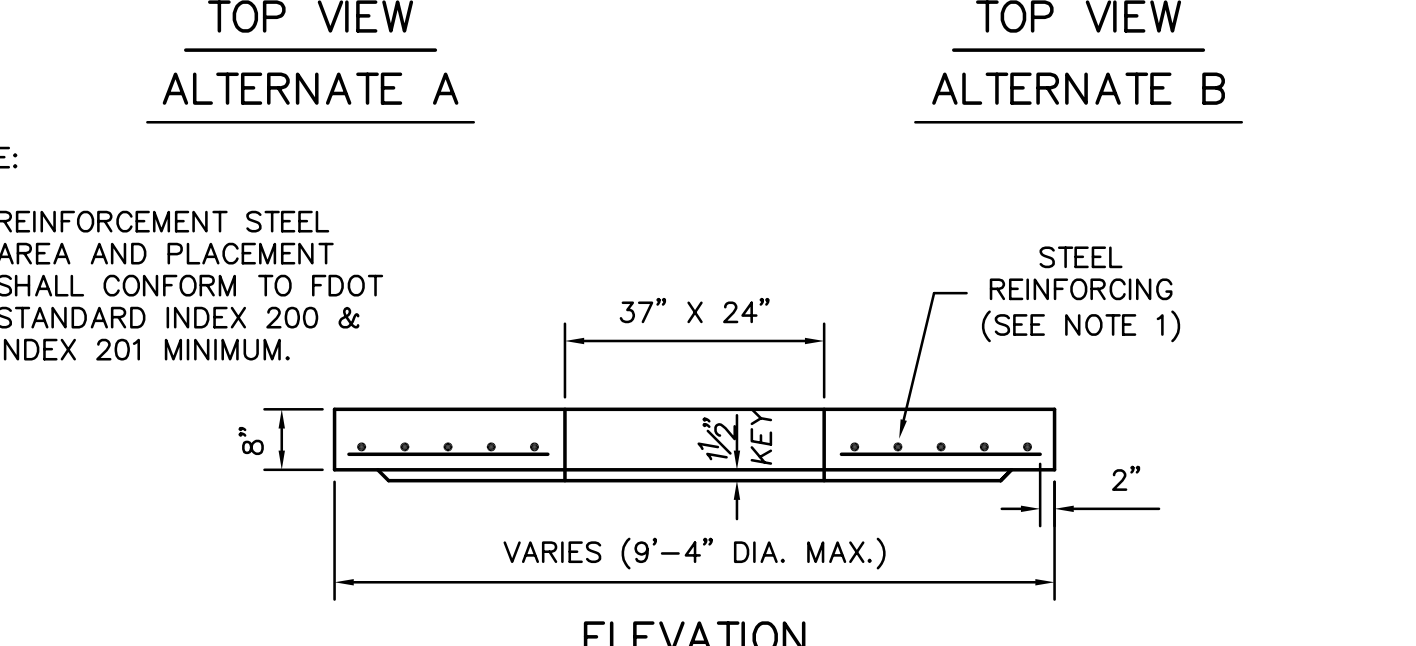
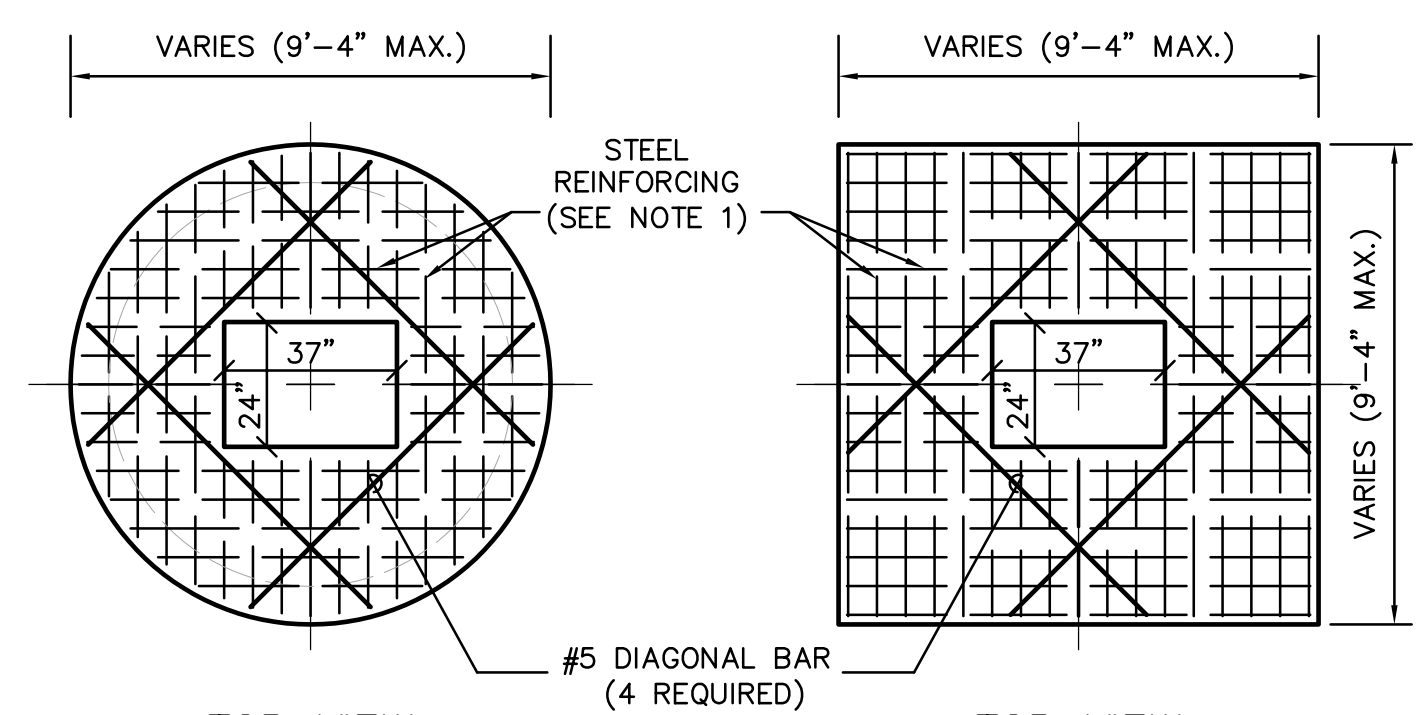
**TYPE "P" - MANHOLE
TOP SLAB**
MANHOLE RING AND COVER - U.S. FOUNDRY
SERIES 420-C OR APPROVED EQUAL
NOT TO SCALE



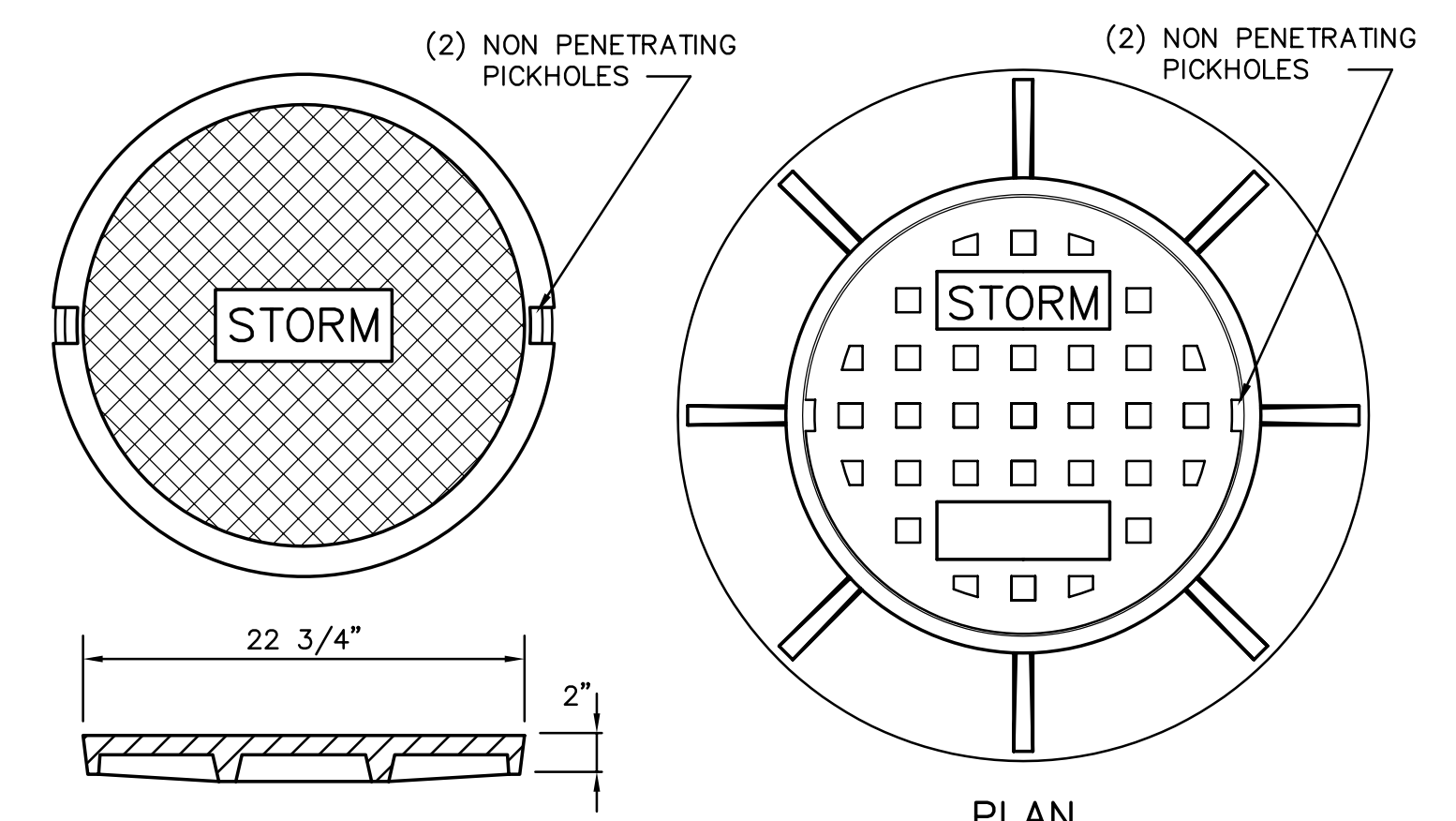
**TYPE "P" - INLET
TOP SLAB**
INLET FRAME AND GRATE U.S. FOUNDRY
SERIES 4155-6209 OR APPROVED EQUAL
SERIES 5130-6168 OR APPROVED EQUAL
VALLEY GUTTER INLET - SERIES 5113-6194 OR APPROVED EQUAL
NOT TO SCALE



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



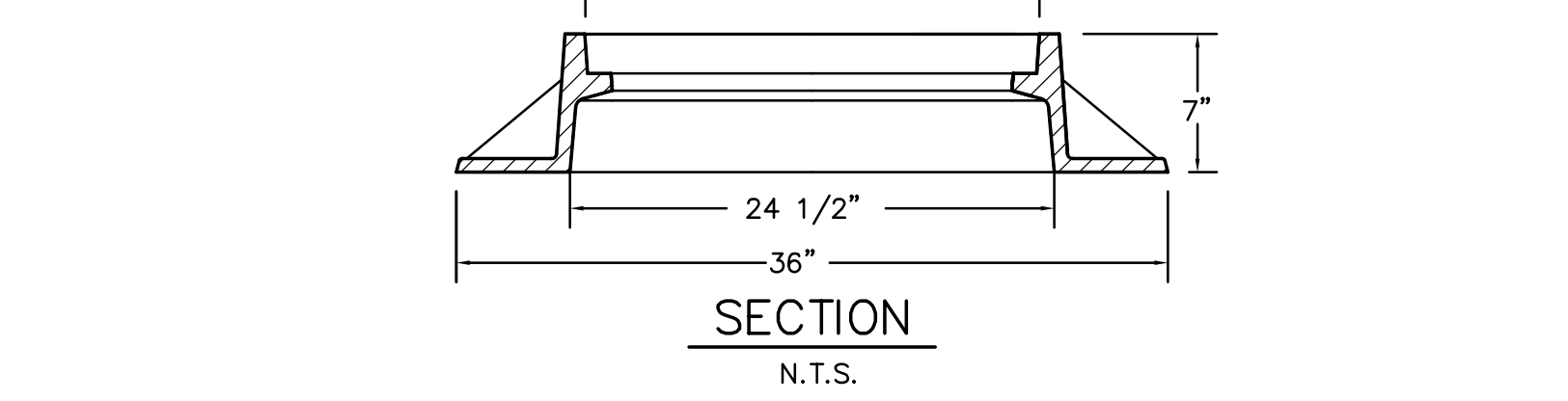
**TYPE "J" - INLET
TOP SLAB**
INLET FRAME AND GRATE U.S. FOUNDRY
SERIES 4155-6209 OR APPROVED EQUAL
CURB INLET - U.S. FOUNDRY 5130-6168 OR APPROVED EQUAL
VALLEY GUTTER INLET - U.S. FOUNDRY 5113-6194 OR APPROVED EQUAL
NOT TO SCALE



ALTERNATE PEDESTRIAN COVER
REQUIRED IN PEDESTRIAN AREAS/
SIDEWALKS



**TOP
STANDARD COVER**



**STANDARD DRAINAGE MANHOLE
RING AND COVER**
U.S. FOUNDRY #420-C RING AND COVER OR APPROVED EQUAL
NOT TO SCALE

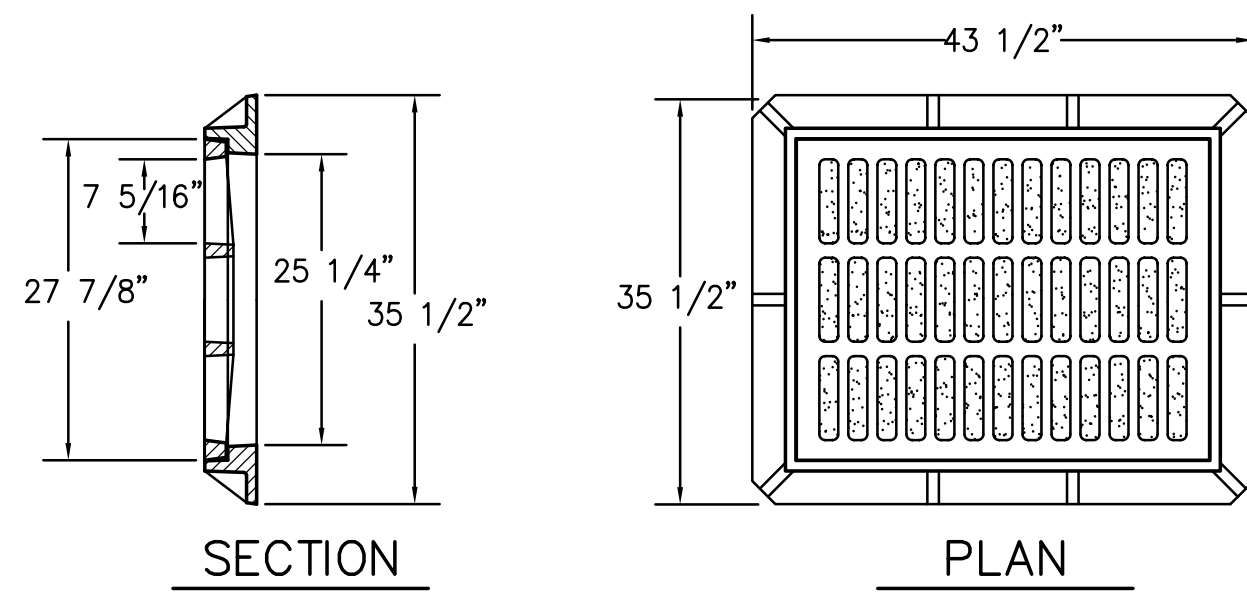
DESIGNED BY	IK	10/12				
DRAWN BY	IK	10/12				
CHECKED BY	JWR	10/12				
APPROVED BY	JWR	10/12	ISSUED FOR PERMITTING AND BIDDING	1	4/4/13	IK
NAME	DATE		REVISIONS	NO.	DATE	BY

JOSEPH ROLES AND ASSOC., INC.
CONSULTING ENGINEERS
7501 N.W. 4th STREET, SUITE 101
PLANTATION, FLORIDA 33317
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CERTIFICATE OF AUTHORIZATION NO. 3948

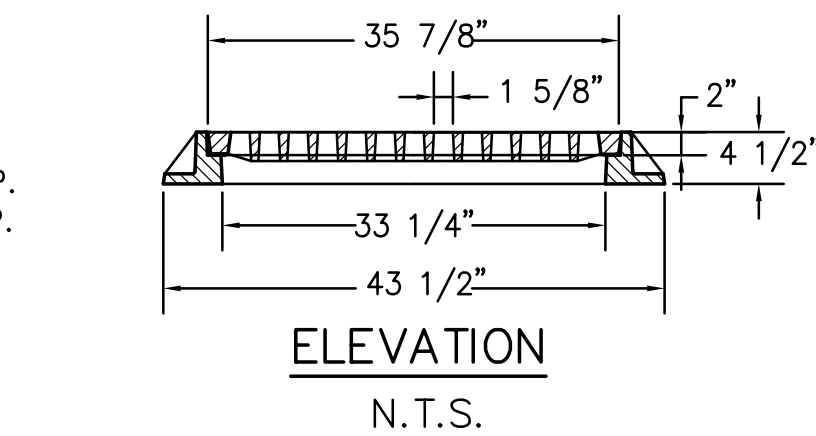
GUNTHER VOLKSWAGEN
CITY OF COCONUT CREEK, FLORIDA
DRAINAGE NOTES & DETAILS

DATE:	NOVEMBER, 2012
SCALE:	AS SHOWN
PROJECT NO.	111-511-01
SHEET NO.	12 OF 19

JOSEPH W. ROLES, JR. P.E.
REG. ENGINEER NO. 16965

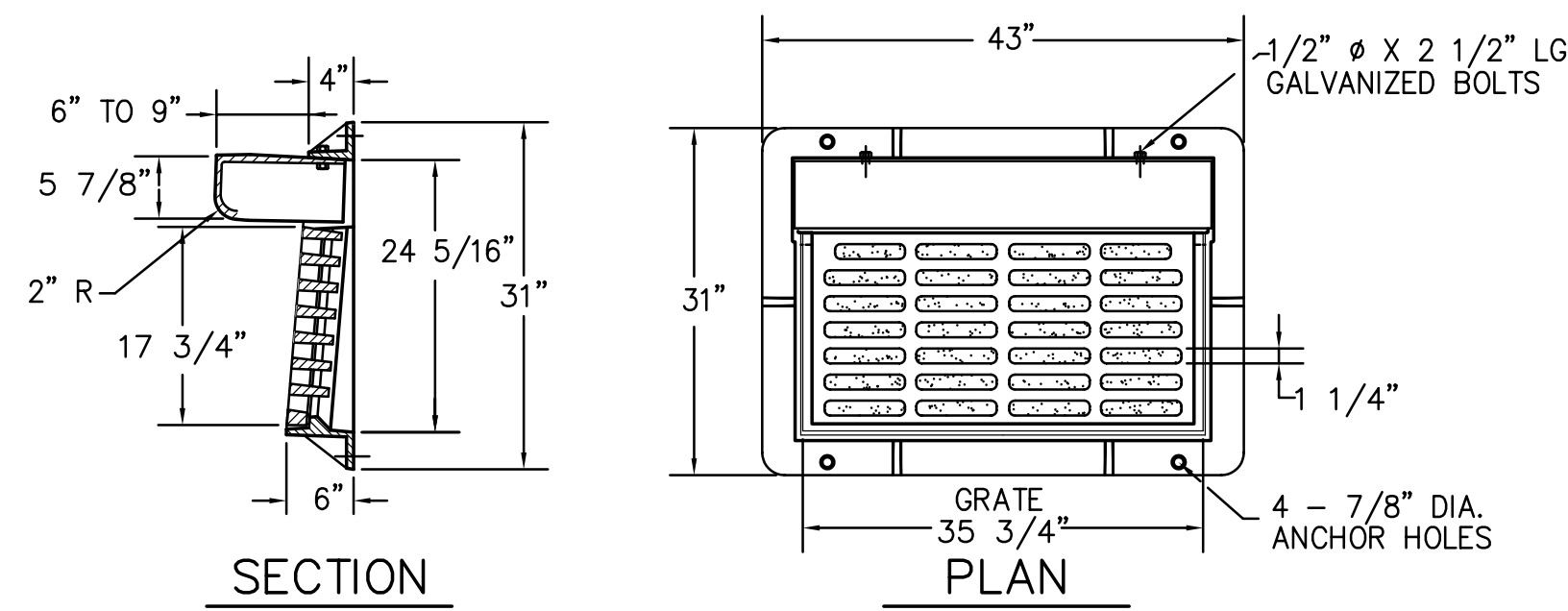


- NOTES:**
- 1- MATERIAL: ASTM-A48 CLASS 30B GRAY IRON
 - 2- FRAME WT: 335 LBS. APP.
 - 3- GRATE WT: 265 LBS. APP.



INLET FRAME AND GRATE

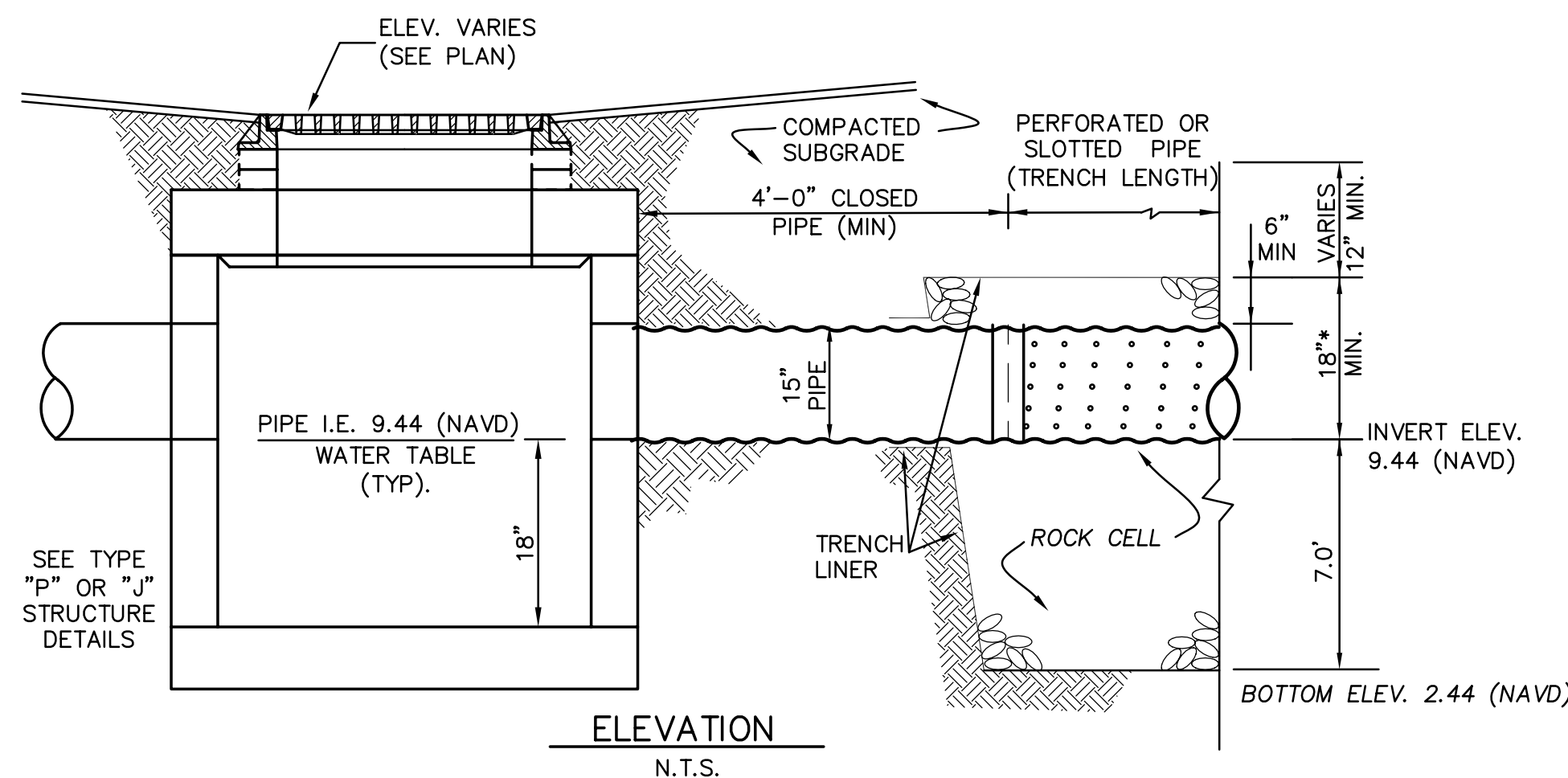
U.S. FOUNDRY #4155-6209
FRAME AND GRATE OR APPROVED EQUAL
PEDESTRIAN & BICYCLE COMPATIBLE



- NOTES:**
- 1- MATERIAL: ASTM-A48 CLASS 30B GRAY IRON.
 - 2- FRAME WT: 195 LBS. APP.
 - 3- GRATE WT: 215 LBS. APP.
 - 4- HOOD WT: 125 LBS. APP.

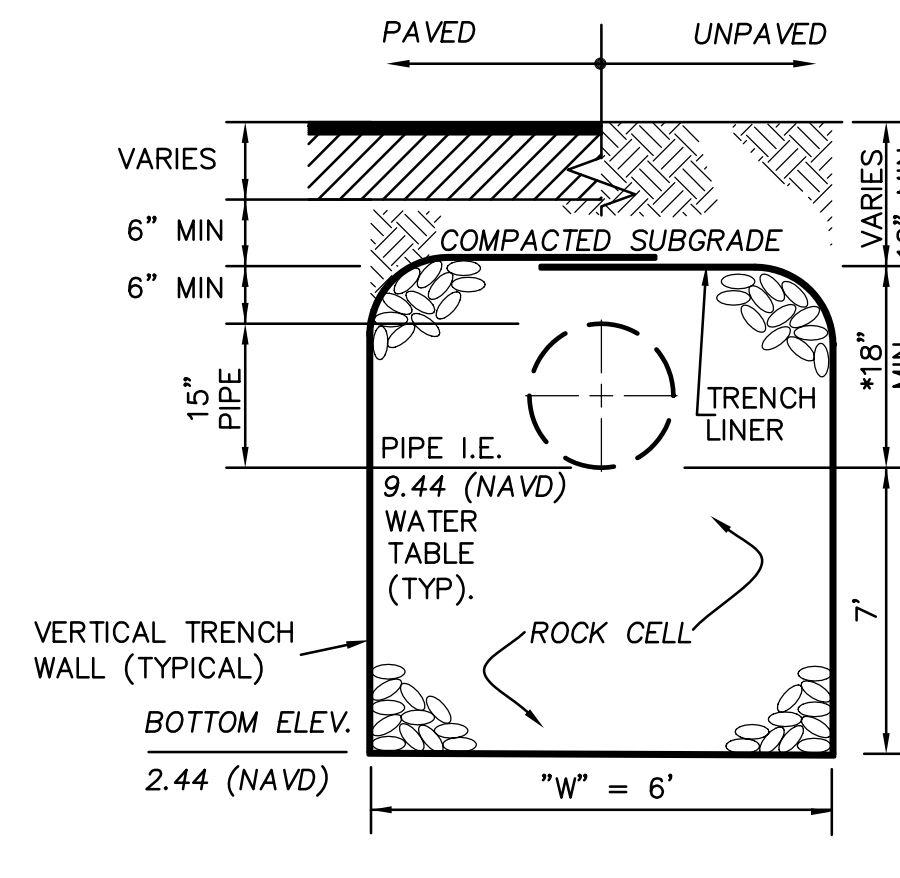
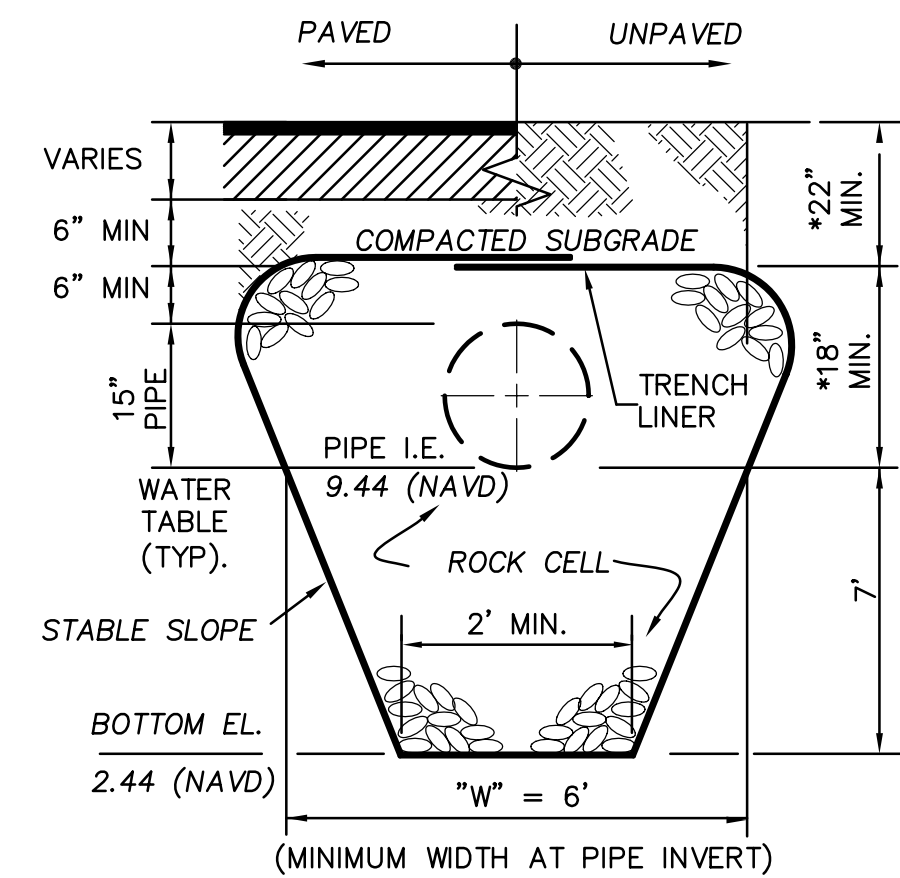
**CURB INLET - TYPE "9"
HOODED FRAME AND GRATE**

U.S. FOUNDRY #5130-6168
FRAME AND GRATE OR APPROVED EQUAL
PEDESTRIAN & BICYCLE COMPATIBLE

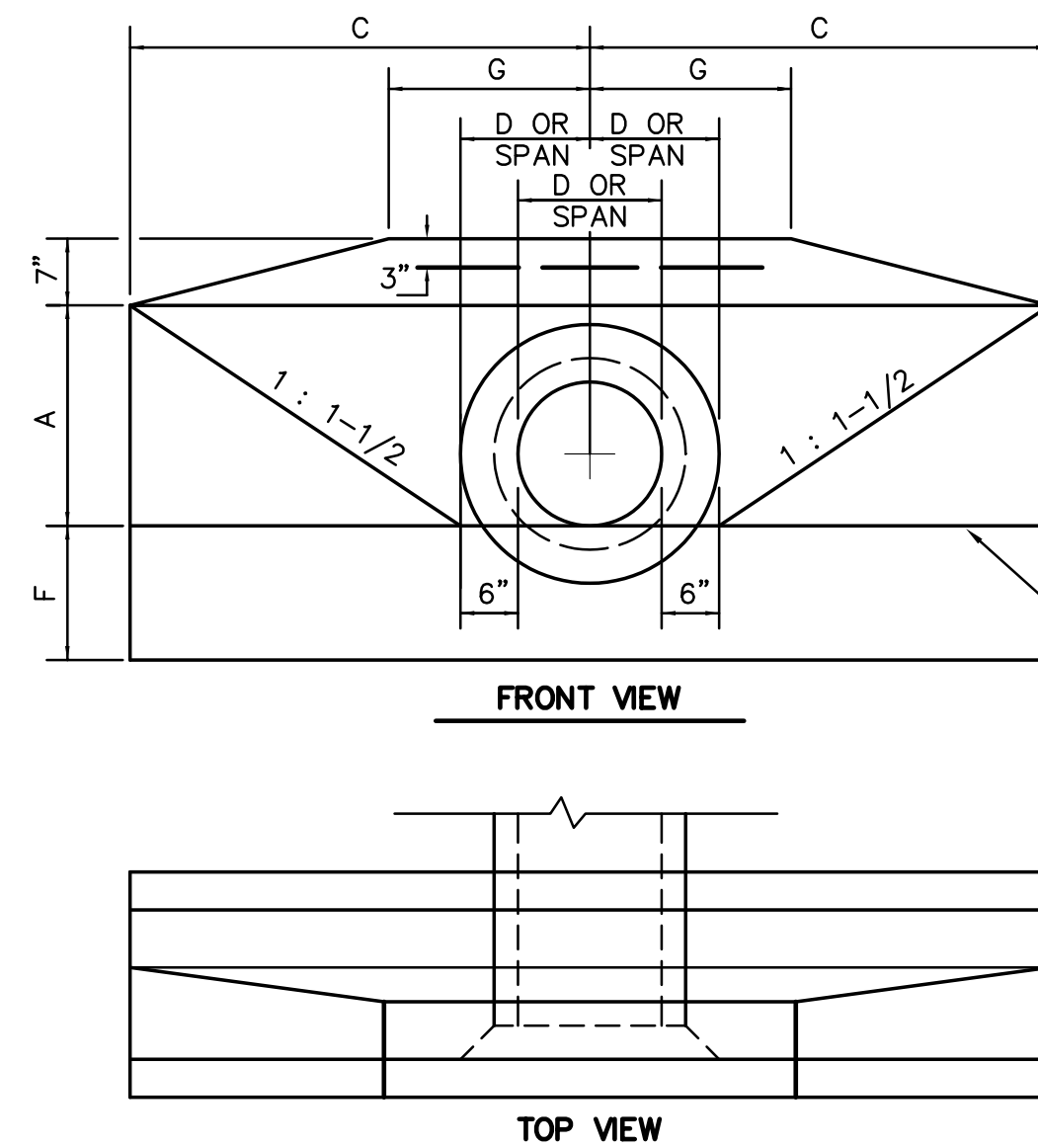


NOTES

1. 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.
2. ROCK FOR THE EXFILTRATION TRENCH SHALL CONSIST OF FOOT #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.
3. 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.
4. 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.

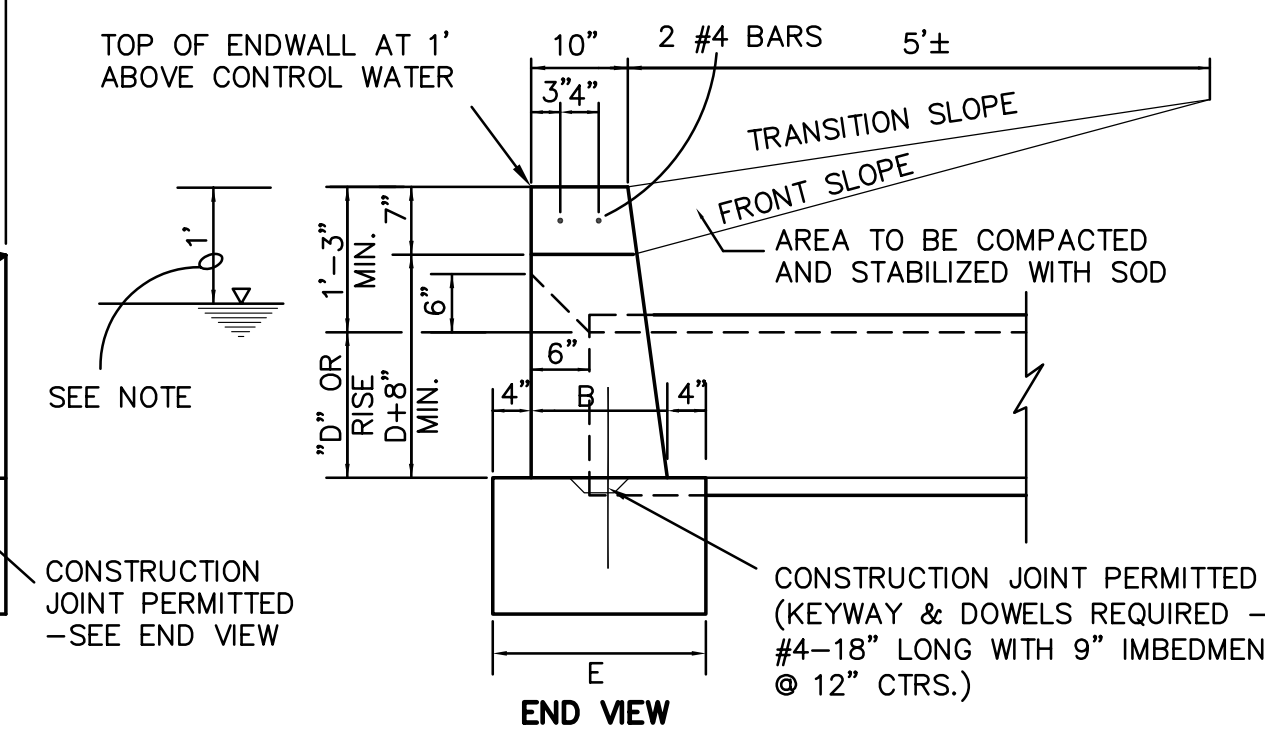


EXFILTRATION TRENCH CONSTRUCTION DETAILS

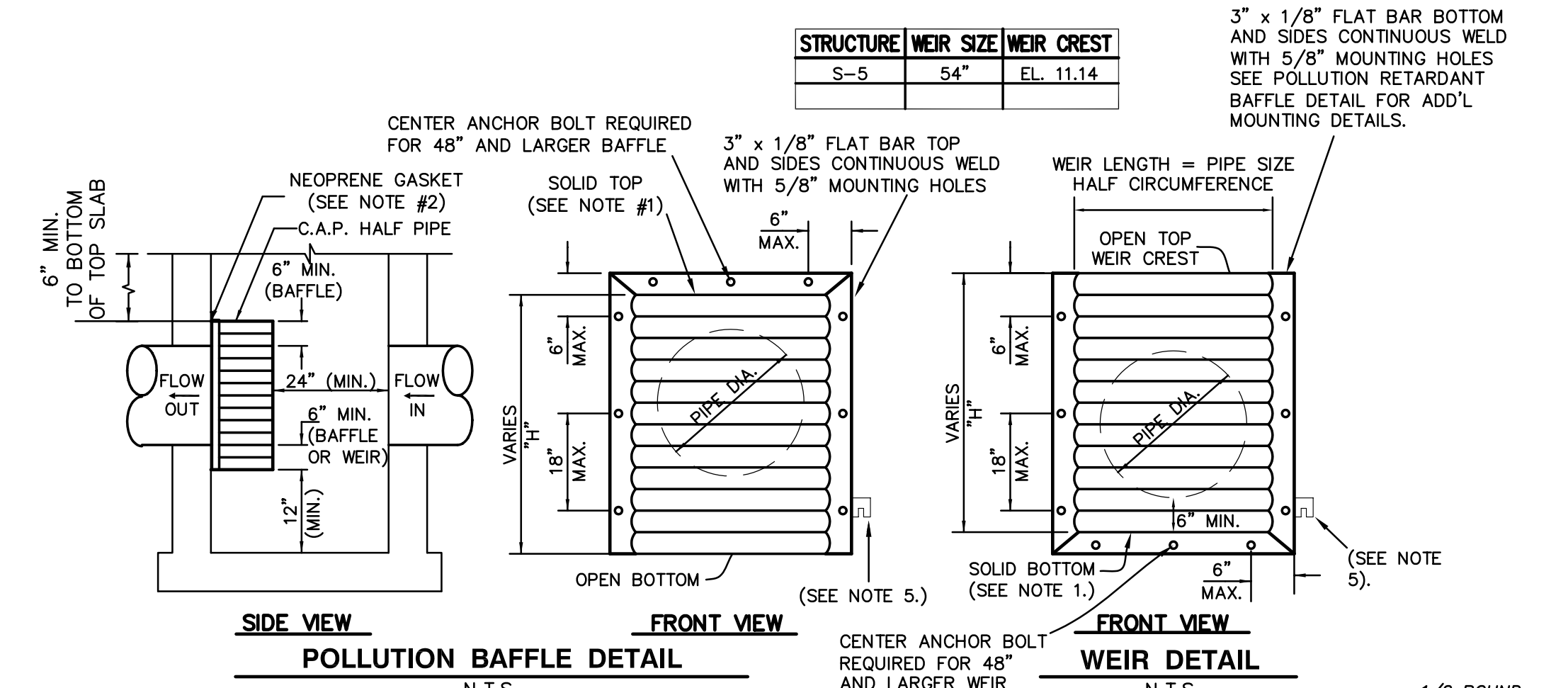


NOTE:
TOP OF ENDWALL TO BE SET NO LOWER THAN 12 INCHES ABOVE THE CONTROL WATER ELEVATION. WHERE THE STANDARD ENDWALL DESIGN WILL NOT PERMIT MEETING MINIMUM TOP ELEVATION ENGINEER SHALL PROVIDE MODIFIED ENDWALL DESIGN TO MEET REQUIRED ELEVATION.

STRAIGHT CONCRETE ENDWALL



D	OPENING AREA (S.F.)	DIMENSIONS					
		A	B	C	E	F	G
36"	7.07	3'-8"	1'-8"	7'-6"	2'-4"	1'-8"	4'-0"



PIPE DIA.	W (IN)	T (GAUGE)	H (IN)
15"	21"	16	VARIES
18"	24"	16	VARIES
21"	30"	16	VARIES
24"	36"	16	VARIES
30"	42"	14	VARIES
36"	48"	14	VARIES
42"	54"	14	VARIES
48"	60"	14	VARIES
54"	66"	14	VARIES
60"	72"	14	VARIES

- NOTES:**
1. ALUMINUM SHEET OF SAME THICKNESS (GAUGE) AS PIPE SHALL BE WELDED TO CLOSE OPENING AT THE TOP FOR BAFFLE OR BOTTOM FOR WEIR.
 2. NEOPRENE ADHESIVE BACKED GASKET, OR APPROVED EQUAL (1" x 2") SHALL BE INSTALLED ON THE SIDES AND TOP OF OF ALL BAFFLES AND BOTTOM OF ALL WEIRS.
 3. 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.
 4. FIBERGLASS BAFFLES ARE NOT PERMITTED.
 5. BRACKETS MAY BE ADDED TO FLAT BARS TO EASE INSTALLATION IN ROUND STRUCTURES. SPACING TO MATCH HOLES IN FLAT BARS.
 6. PIPE CORRUGATION SHALL BE ANNULAR.

POLLUTION RETARDANT BAFFLE & WEIR DETAILS

GENERAL DRAINAGE NOTES:

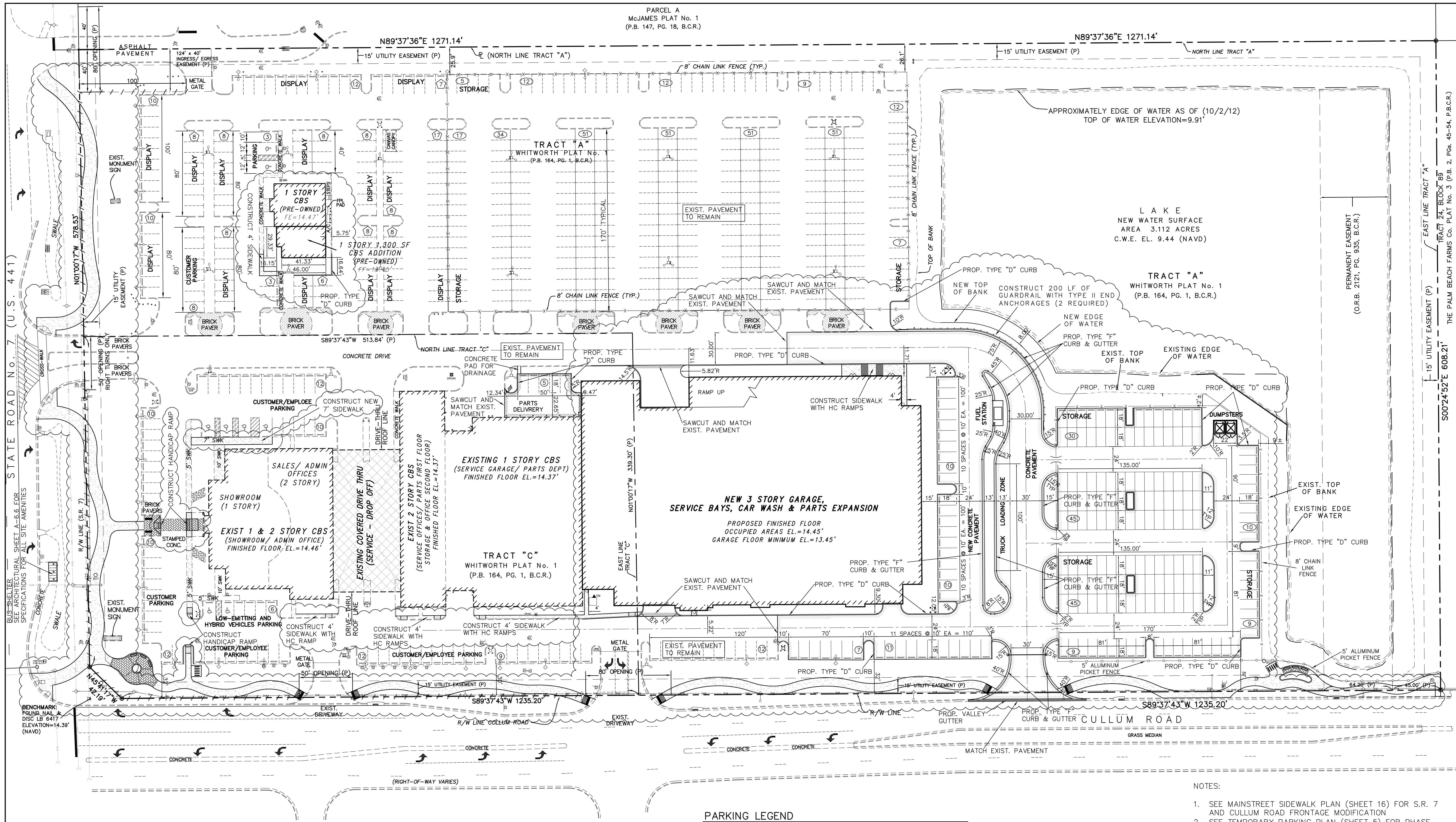
1. WALL OF CIRCULAR STRUCTURES [ALTERNATE "A"] OR RECTANGULAR STRUCTURES [ALTERNATE "B"] SHALL BE CONSTRUCTED OF CONCRETE ONLY. THE CONCRETE MAY BE CAST-IN-PLACE OR PRECAST AS APPROVED BY THE ENGINEER.
2. WALL REINFORCEMENT AND THICKNESS ARE FOR EITHER CAST-IN-PLACE OR PRECAST CONCRETE UNITS EXCEPT THAT 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.
3. ELLIPTICAL STEEL, A.S.T.M. SPECIFICATION C-76 TABLE III, "B" WALL, IS MODIFIED TO USE A CIRCULAR CAGE OF STEEL AREA EQUAL TO THAT OF THE ELLIPTICAL CAGE 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.
4. RECTANGULAR STRUCTURES MAY BE ROTATED AS DIRECTED BY THE ENGINEER IN ORDER TO FACILITATE CONNECTIONS BETWEEN THE STRUCTURE WALLS AND THE STORM SEWER PIPES.
5. EMBEDMENT HOOKS IN THE TOP AND BOTTOM SLABS MAY BE REPLACED WITH STRAIGHT EMBEDMENTS.
6. 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].
7. INLET THROATS, RISERS OR MANHOLE TOPS SHALL BE SECURED TO STRUCTURES WITH A MINIMUM OF 6 - NO. 4 BARS 12" LONG OR KEYED.
8. 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.
9. 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.

DESIGNED BY	IK	10/12				
DRAWN BY	IK	10/12				
CHECKED BY	JWR	10/12				
APPROVED BY	JWR	10/12	ISSUED FOR PERMITTING AND BIDDING	1	4/4/13	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 VOLKSWAGEN
CITY OF COCONUT CREEK, FLORIDA
DRAINAGE NOTES & DETAILS

DATE:	NOVEMBER, 2012
SCALE:	AS SHOWN
PROJECT NO.	111-511-01
SHEET NO.	13 OF 19



PARKING LEGEND

- (11) INDICATES EMPLOYEE/ CUSTOMER PARKING AND NUMBER OF SPACES IN ROW
- (8) INDICATES DISPLAY AND NUMBER OF SPACES IN ROW OR GROUP
- (9) INDICATES VEHICLE STORAGE SPACE AND NUMBER IN ROW OR GROUP
- [Hatched Box] NEW AND REPLACEMENT OF CONC. PAVEMENT

- NOTES:
1. SEE MAINSTREET SIDEWALK PLAN (SHEET 16) FOR S.R. 7 AND CULLUM ROAD FRONTAGE MODIFICATION
 2. SEE TEMPORARY PARKING PLAN (SHEET 5) FOR PHASE CONSTRUCTION OF DRAINAGE FOR THIS PLAN.
 3. SEE SHEET 2 FOR NOTES, DETAILS, & TYPICAL SECTION
 4. SEE SHEET 3 FOR NOTES AND DETAILS
 5. SEE SHEET 8 FOR WATER AND SEWER PLAN.
 6. SEE SHEET 11 FOR GRADING AND DRAINAGE PLAN.
 7. SEE SHEET 15 FOR CONCRETE PAVEMENT PLAN.

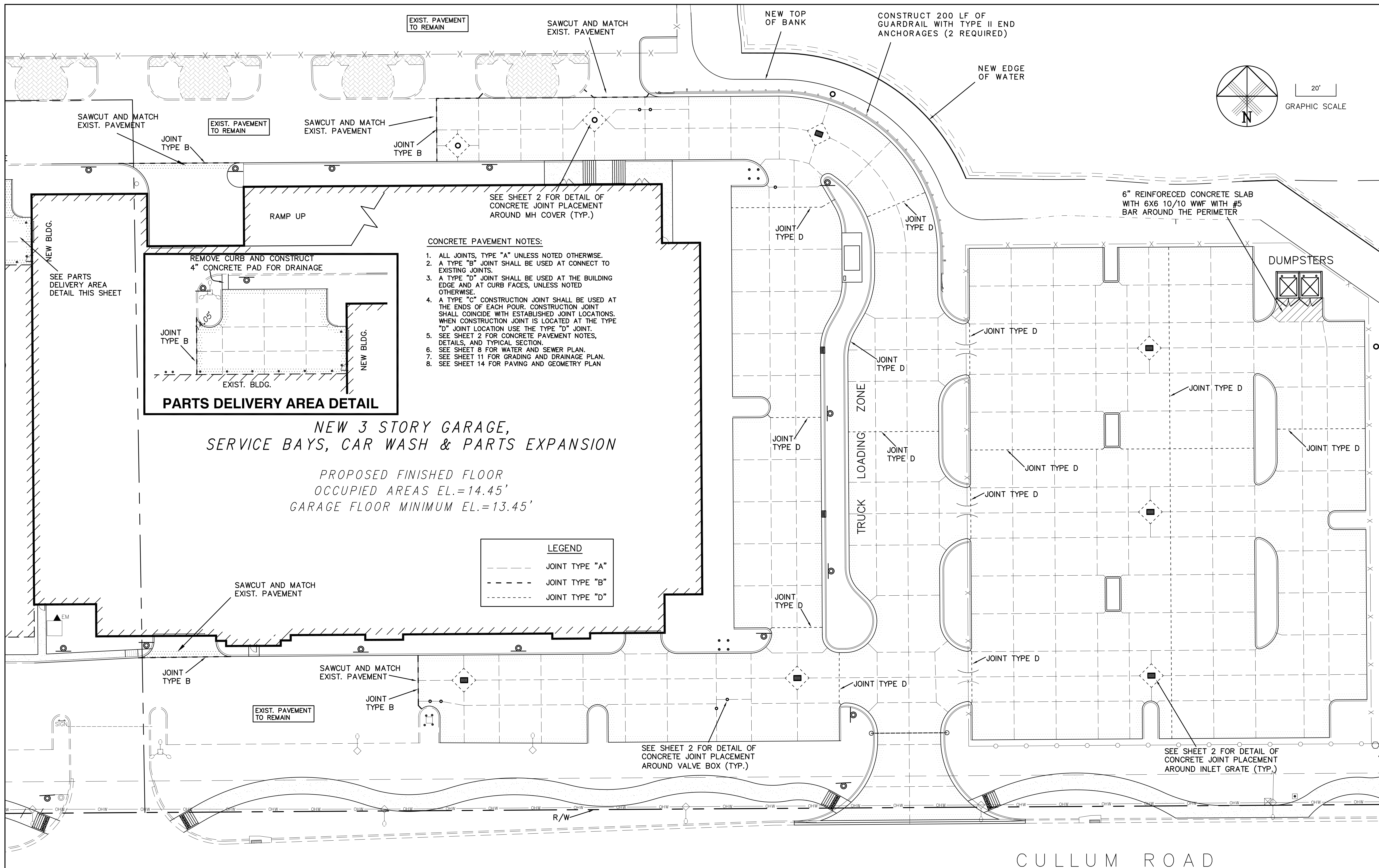
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DRAWN BY	IK	10/12				
CHECKED BY	JWR	10/12				
APPROVED BY	JWR	10/12	ISSUED FOR PERMITTING AND BIDDING	1	4/4/13	IK
NAME	DATE		REVISIONS	NO.	DATE	BY

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GUNTHER VOLKSWAGEN
CITY OF COCONUT CREEK, FLORIDA
PAVING & GEOMETRY PLAN

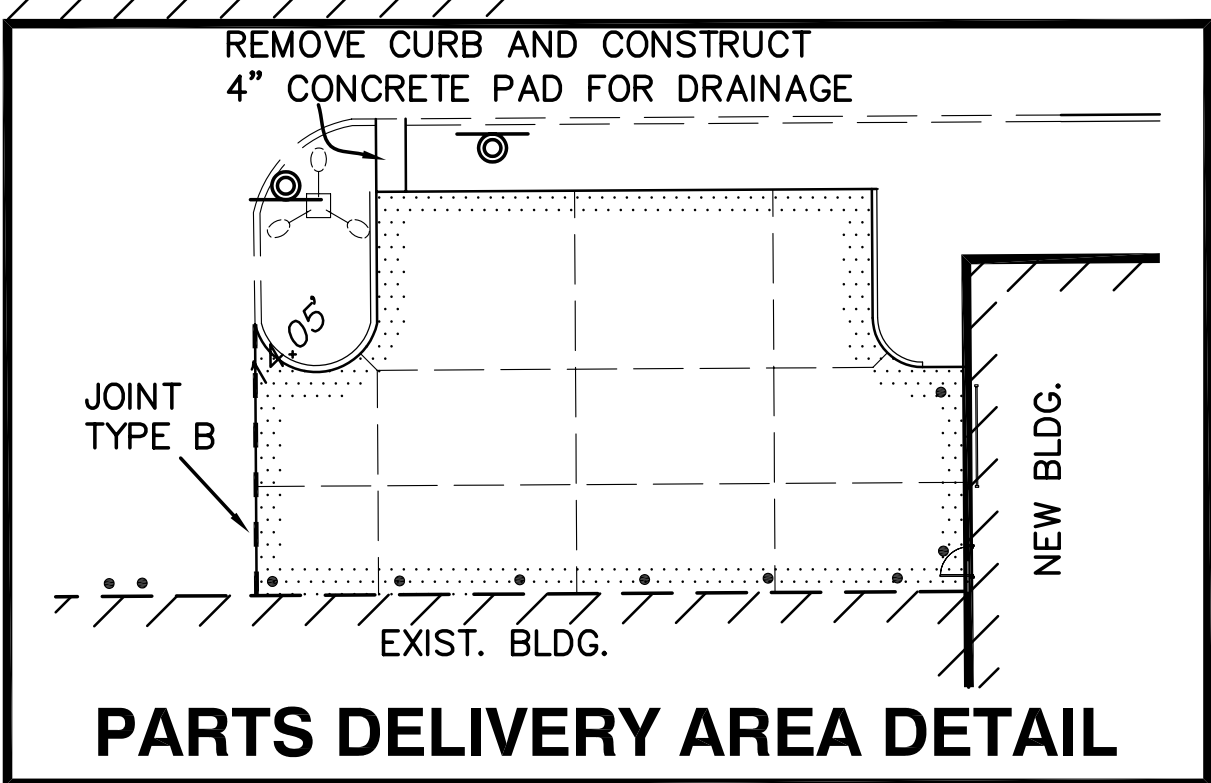
DATE:	OCTOBER 2012
SCALE:	AS SHOWN
PROJECT NO.	111-511-01
SHEET NO.	14 OF 19

JOSEPH W. ROLES, JR., P.E.
 REG. ENGINEER NO. 16965



CONCRETE PAVEMENT NOTES:

1. ALL JOINTS, TYPE "A" UNLESS NOTED OTHERWISE.
2. A TYPE "B" JOINT SHALL BE USED AT CONNECT TO EXISTING JOINTS.
3. A TYPE "D" JOINT SHALL BE USED AT THE BUILDING EDGE AND AT CURB FACES, UNLESS NOTED OTHERWISE.
4. A TYPE "C" CONSTRUCTION JOINT SHALL BE USED AT THE ENDS OF EACH POUR. CONSTRUCTION JOINT SHALL COINCIDE WITH ESTABLISHED JOINT LOCATIONS. WHEN CONSTRUCTION JOINT IS LOCATED AT THE TYPE "D" JOINT LOCATION USE THE TYPE "D" JOINT.
5. SEE SHEET 2 FOR CONCRETE PAVEMENT NOTES, DETAILS, AND TYPICAL SECTION.
6. SEE SHEET 8 FOR WATER AND SEWER PLAN.
7. SEE SHEET 11 FOR GRADING AND DRAINAGE PLAN.
8. SEE SHEET 14 FOR PAVING AND GEOMETRY PLAN.



**NEW 3 STORY GARAGE,
SERVICE BAYS, CAR WASH & PARTS EXPANSION**

PROPOSED FINISHED FLOOR
OCCUPIED AREAS EL.=14.45'
GARAGE FLOOR MINIMUM EL.=13.45'

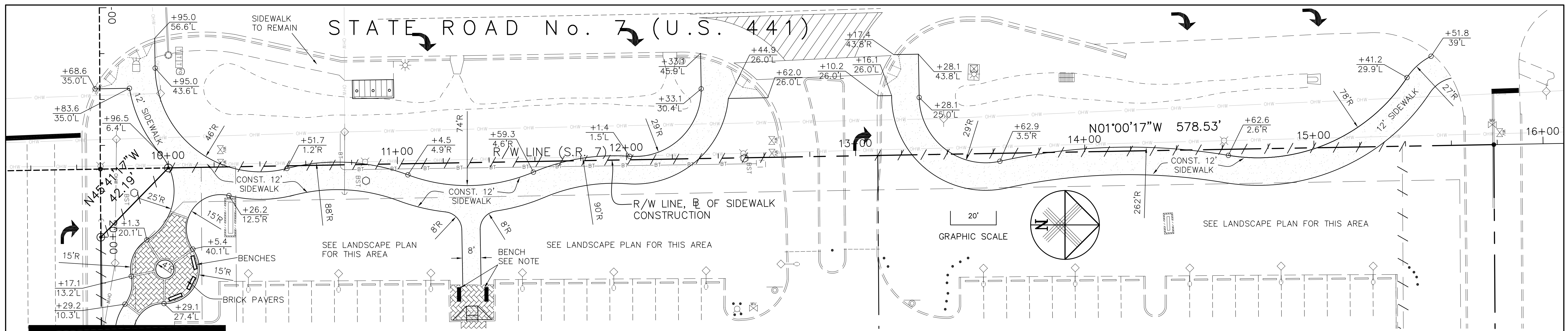
LEGEND	
---	JOINT TYPE "A"
- - -	JOINT TYPE "B"
- · - · -	JOINT TYPE "D"

DESIGNED BY	DATE	ISSUED FOR PERMITTING AND BIDDING	NO.	DATE	BY
IK	10/12	1	4/4/13	IK	

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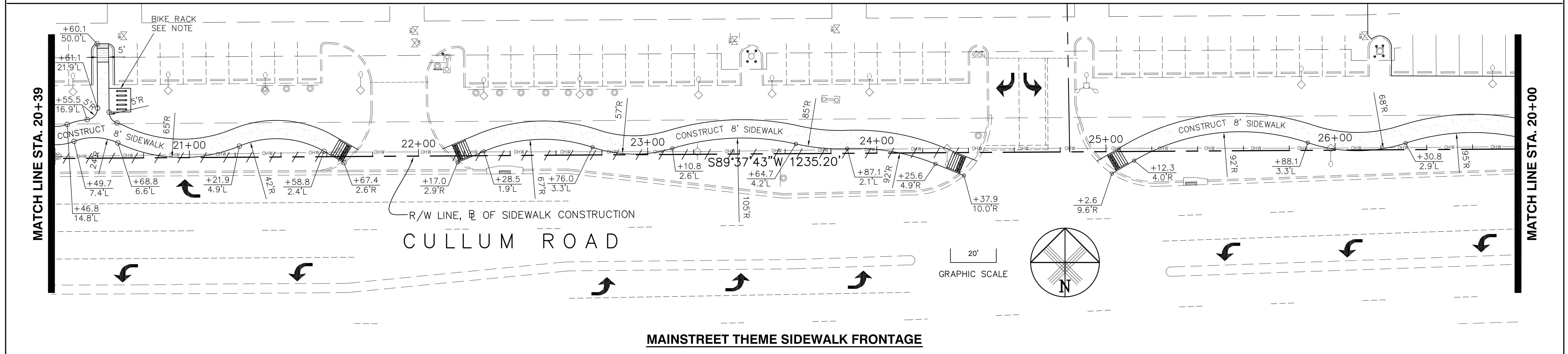
GUNTHER VOLKSWAGEN
CITY OF COCONUT CREEK, FLORIDA
CONCRETE PAVEMENT PLAN

DATE:	OCTOBER 2012
SCALE:	AS SHOWN
PROJECT NO.	111-511-01
SHEET NO.	15 OF 19

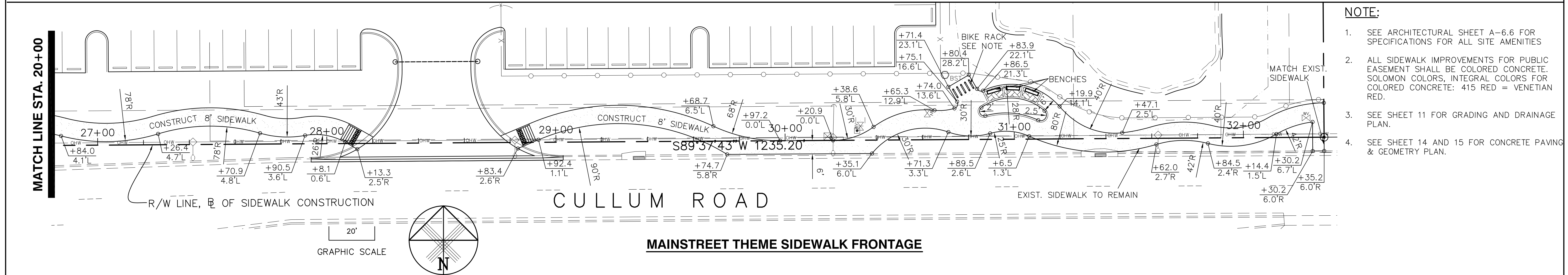


MATCH LINE STA. 20+39

URBAN TRAVELWAY SIDEWALK FRONTAGE



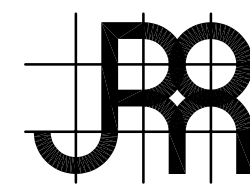
MAINSTREET THEME SIDEWALK FRONTAGE



MAINSTREET THEME SIDEWALK FRONTAGE

- NOTE:**
- SEE ARCHITECTURAL SHEET A-6.6 FOR SPECIFICATIONS FOR ALL SITE AMENITIES
 - ALL SIDEWALK IMPROVEMENTS FOR PUBLIC EASEMENT SHALL BE COLORED CONCRETE. SOLOMON COLORS, INTEGRAL COLORS FOR COLORED CONCRETE: 415 RED = VENETIAN RED.
 - SEE SHEET 11 FOR GRADING AND DRAINAGE PLAN.
 - SEE SHEET 14 AND 15 FOR CONCRETE PAVING & GEOMETRY PLAN.

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APPROVED BY	JWR	10/12	ISSUED FOR PERMITTING AND BIDDING	1	4/4/13	IK
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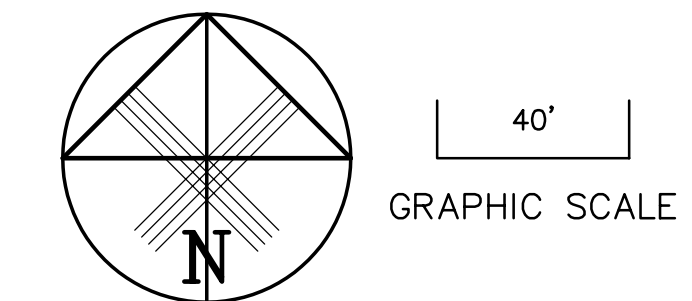
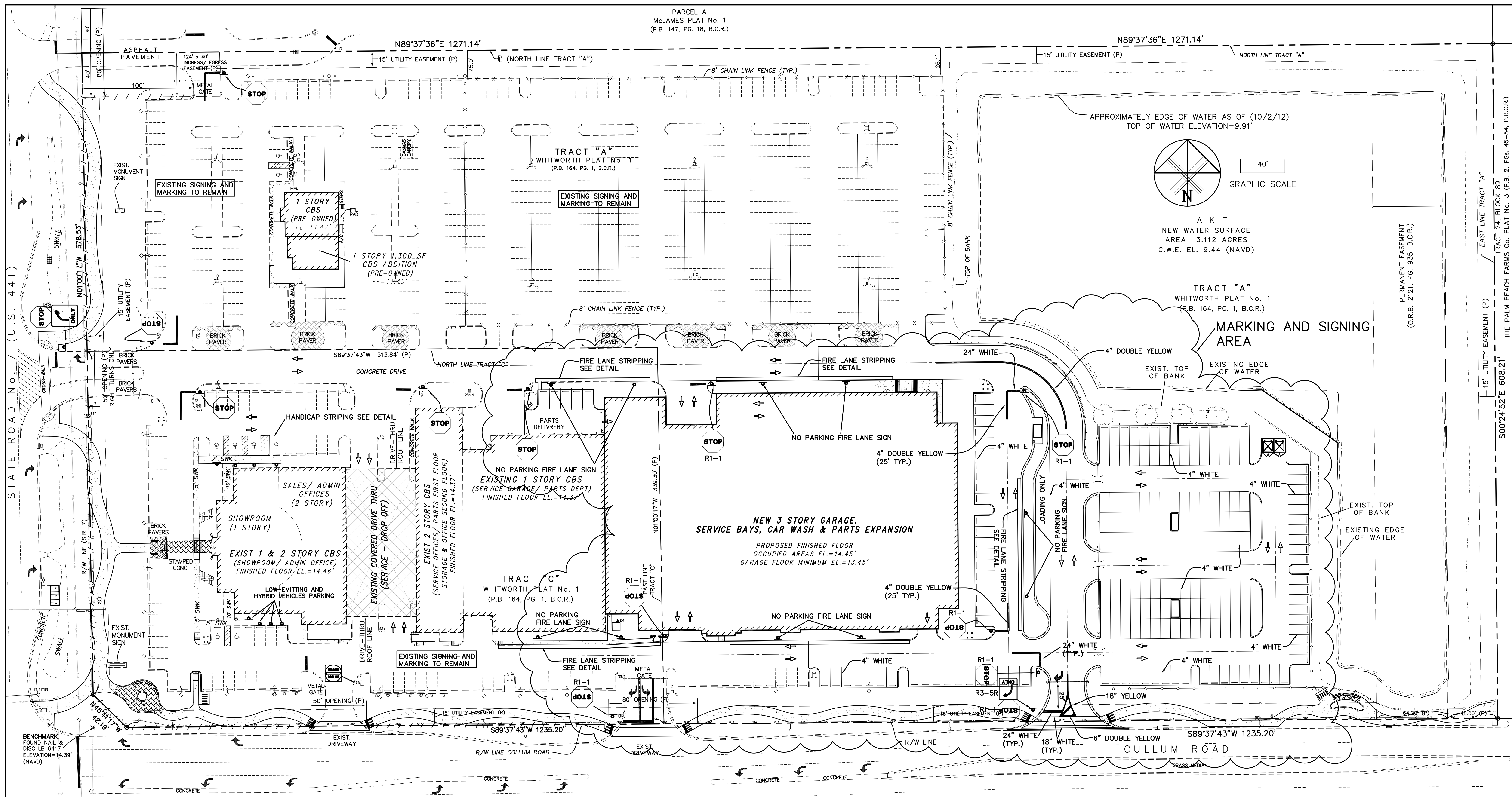


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GUNTHER VOLKSWAGEN
CITY OF COCONUT CREEK, FLORIDA
MAINSTREET SIDEWALK PLAN

DATE:	OCTOBER 2012
SCALE:	AS SHOWN
PROJECT NO.	111-511-01
SHEET NO.	16 OF 19

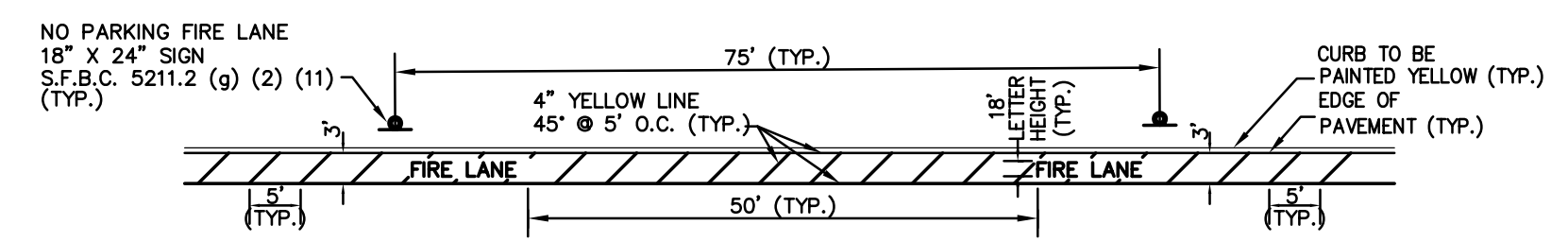
JOSEPH W. ROLES, JR., P.E.
 REG. ENGINEER NO. 16965



L A K E
NEW WATER SURFACE
AREA 3.112 ACRES
C.W.E. EL. 9.44 (NAVD)

SIGNING AND PAVEMENT MARKING NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC, EXCEPT FOR PARKING STALLS LINES WHICH ARE PERMITTED TO BE PAINTED WITH FDOT APPROVED PAINT.
2. 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.



FIRE LANE STRIPING DETAIL

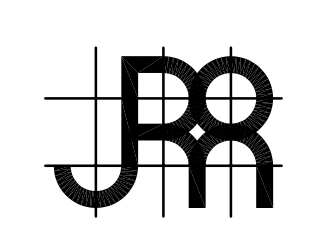
N.T.S.
ALL FIRE LANE PAVEMENT MARKING SHALL BE OF THERMOPLASTIC



FIRE LANE SIGN DETAIL

N.T.S.

DESIGNED BY	IK	10/12				
DRAWN BY	IK	10/12				
CHECKED BY	JWR	10/12				
APPROVED BY	JWR	10/12	ISSUED FOR PERMITTING AND BIDDING	1	4/4/13	IK
NAME	DATE		REVISIONS	NO.	DATE	BY

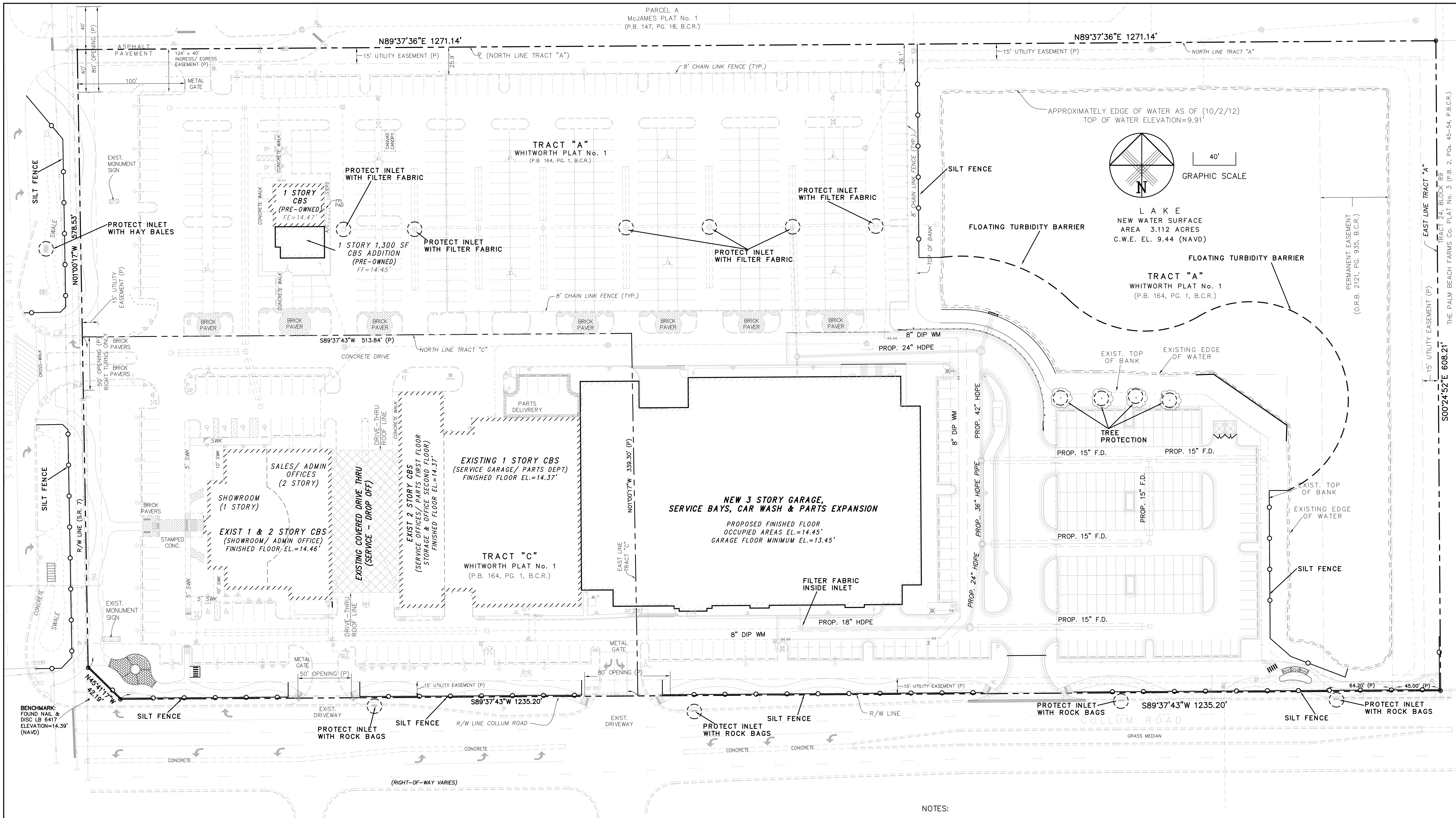


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PLANTATION, FLORIDA 33317
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CERTIFICATE OF AUTHORIZATION NO. 3948

GUNTHER VOLKSWAGEN
CITY OF COCONUT CREEK, FLORIDA
SIGNING AND MARKING PLAN

DATE:	OCTOBER 2012
SCALE:	AS SHOWN
PROJECT NO.	111-511-01
SHEET NO. 17 OF 19	

JOSEPH W. ROLES, JR., P.E.
REG. ENGINEER NO. 16965



- NOTES:
1. SEE SHEET 19 FOR POLLUTION PREVENTION DETAILS.
 2. SEE SHEET 8 FOR WATER AND SEWER PLAN.
 3. SEE SHEET 11 FOR GRADING AND DRAINAGE PLAN.
 4. SEE SHEET 14 AND 15 FOR CONCRETE PAVING & GEOMETRY PLAN.

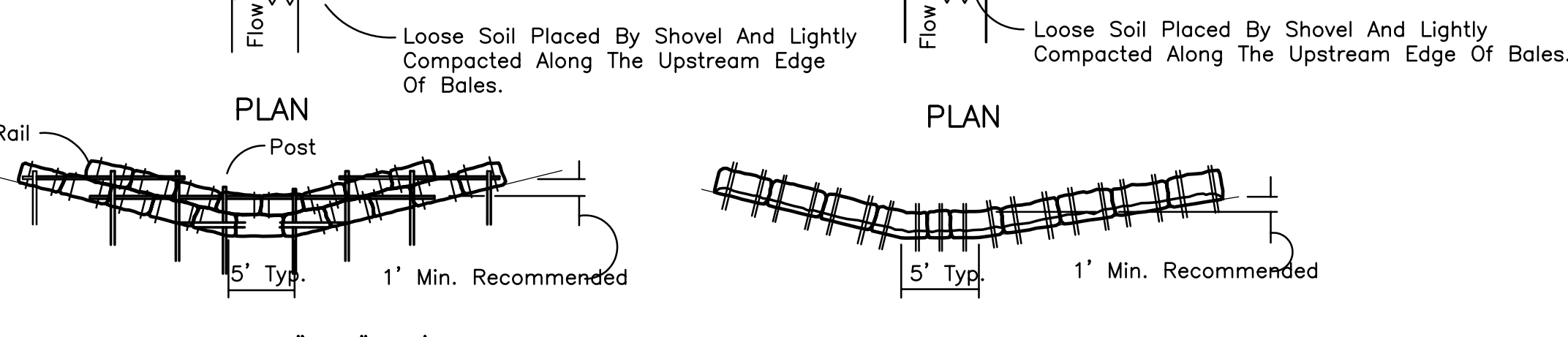
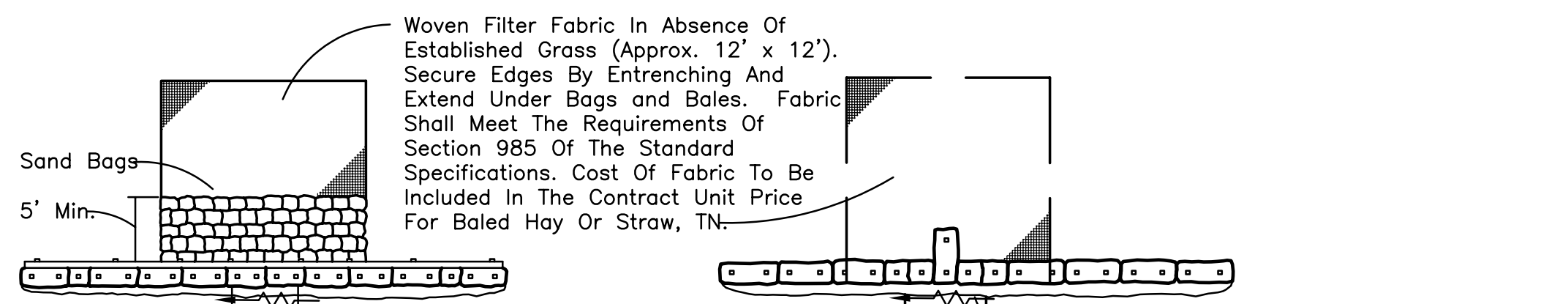
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APPROVED BY	JWR	10/12	ISSUED FOR PERMITTING AND BIDDING	1	4/4/13	IK
NAME	DATE		REVISIONS	NO.	DATE	BY

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

GUNTHER VOLKSWAGEN
CITY OF COCONUT CREEK, FLORIDA
POLLUTION PREVENTION PLAN

DATE:	OCTOBER 2012
SCALE:	AS SHOWN
PROJECT NO.	111-511-01
SHEET NO.	18 OF 19

JOSEPH W. ROLES, JR., P.E.
 REG. ENGINEER NO. 16965



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

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 OR EXCEEDS 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:

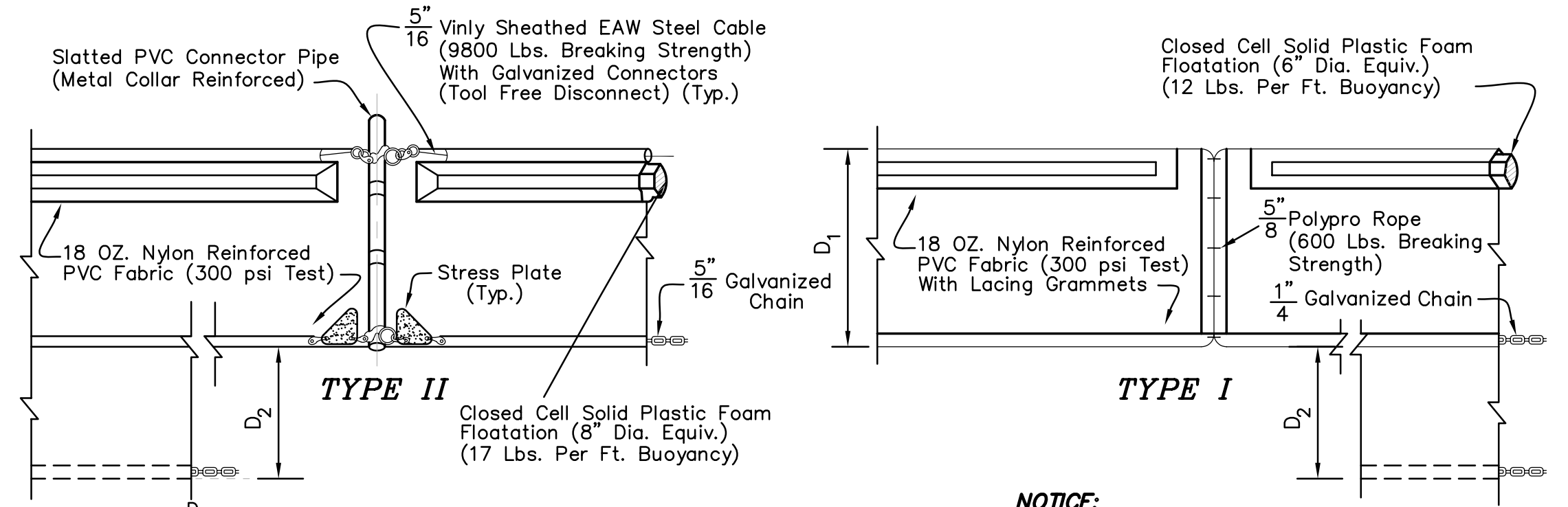
- (1) THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND REPAIRS OF EROSION AND SEDIMENT CONTROL DEVICES, AND REMOVAL OF EROSION AND SEDIMENT CONTROL DEVICES WHEN NOTICE OF TERMINATION IS MAILED.
- (2) INSTALLATION, MAINTENANCE, REPAIR AND REMOVAL REQUIRED FOR THE CONTROL AND ABATEMENT OF EROSION 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. 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 INSPECTION 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.



TYPE II
Closed Cell Solid Plastic Foam Flotation (8" Dia. Equiv.) (17 Lbs. Per Ft. Buoyancy)

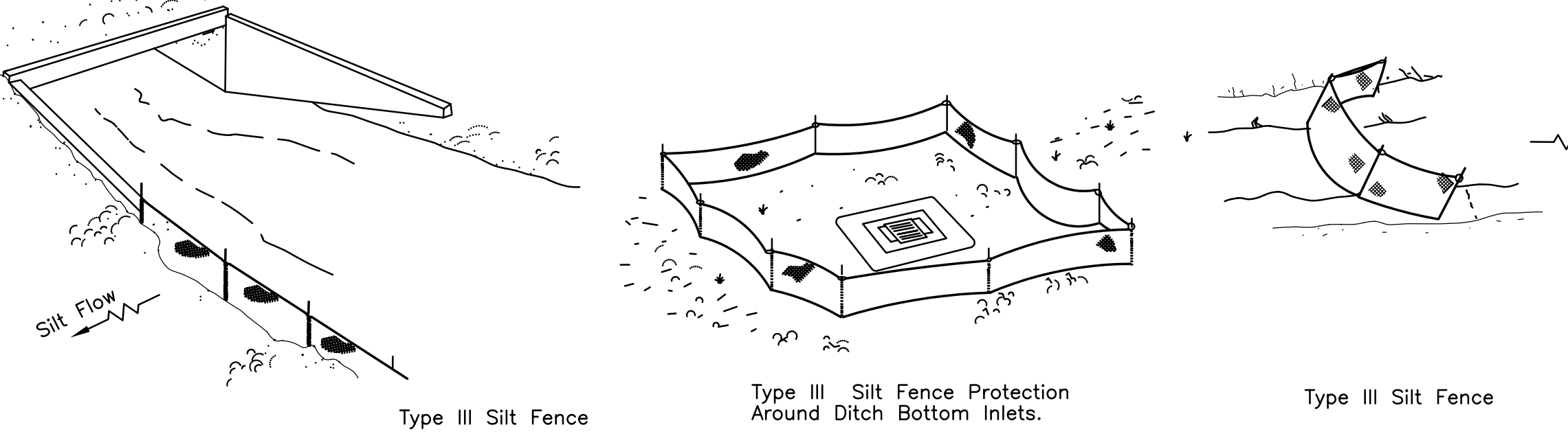
TYPE I
Closed Cell Solid Plastic Foam Flotation (8" Dia. Equiv.) (12 Lbs. Per Ft. Buoyancy)

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.

D_1 = 5' Std. (Single Panel For Depths 5' or Less).
 D_2 = 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.

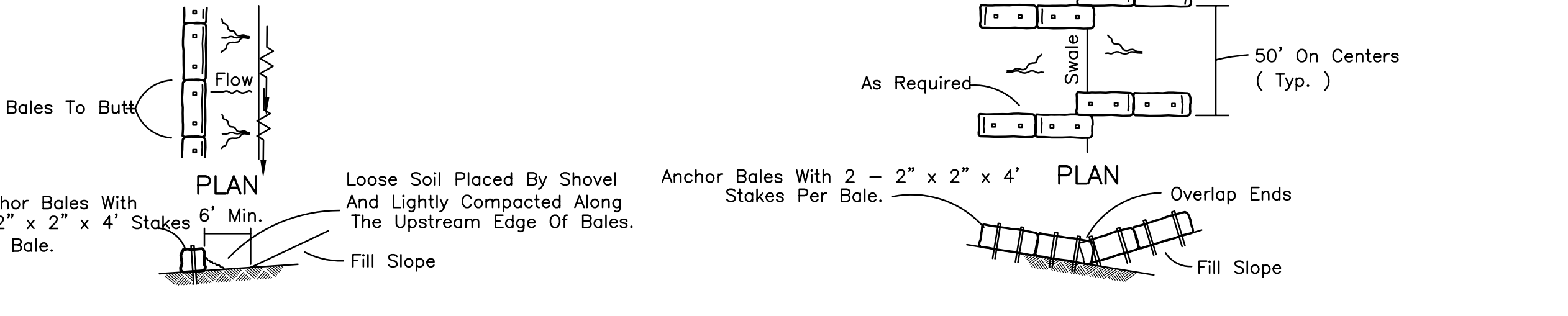
FLOATING TURBIDITY BARRIERS



TREE PROTECTION BARRICADES

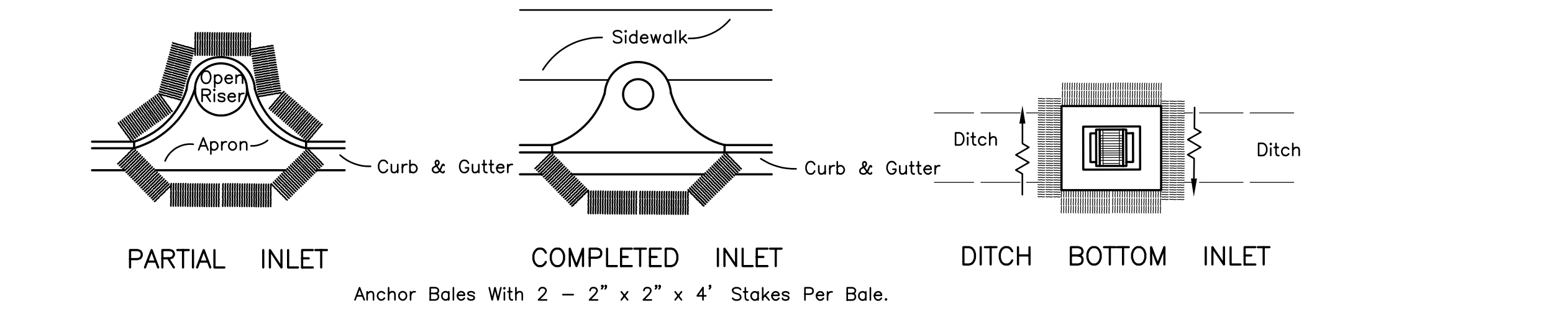
PROTECTIVE BARRIER SHALL REMAIN ERECT THROUGHOUT CLEARING AND CONSTRUCTION. NO STORAGE OR DUMPING IN PROTECTIVE BARRIER.

ORANGE SNOW FENCING WITH 2"x2" WOOD POST OR REBAR. 3' HEIGHT.

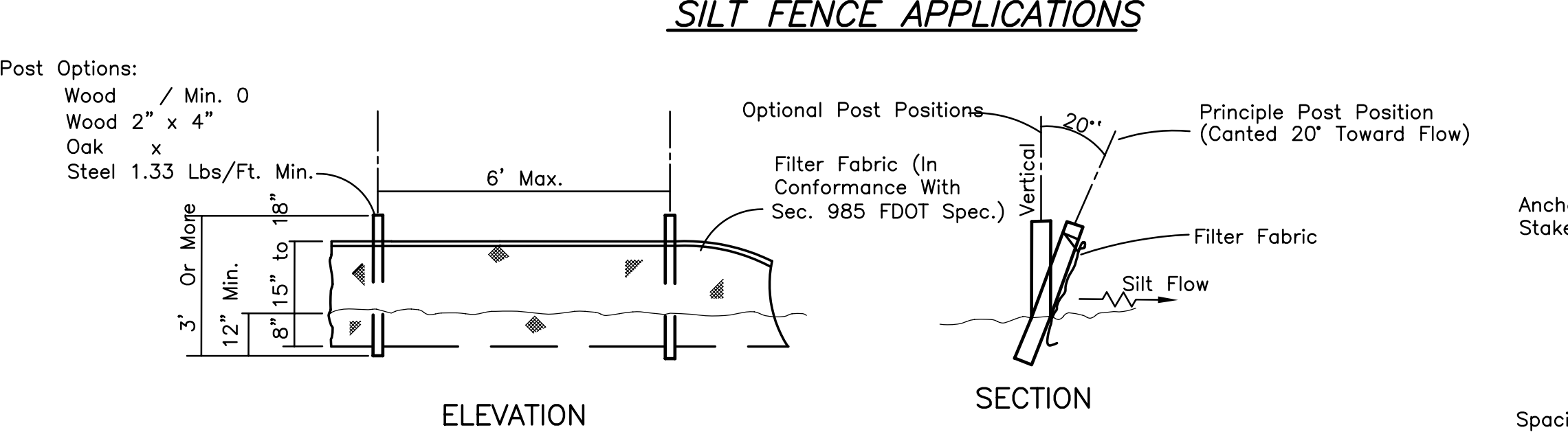


TO BE USED AT SELECTED SITES WHERE THE NATURAL GROUND SLOPES TOWARD THE TOE OF SLOPE

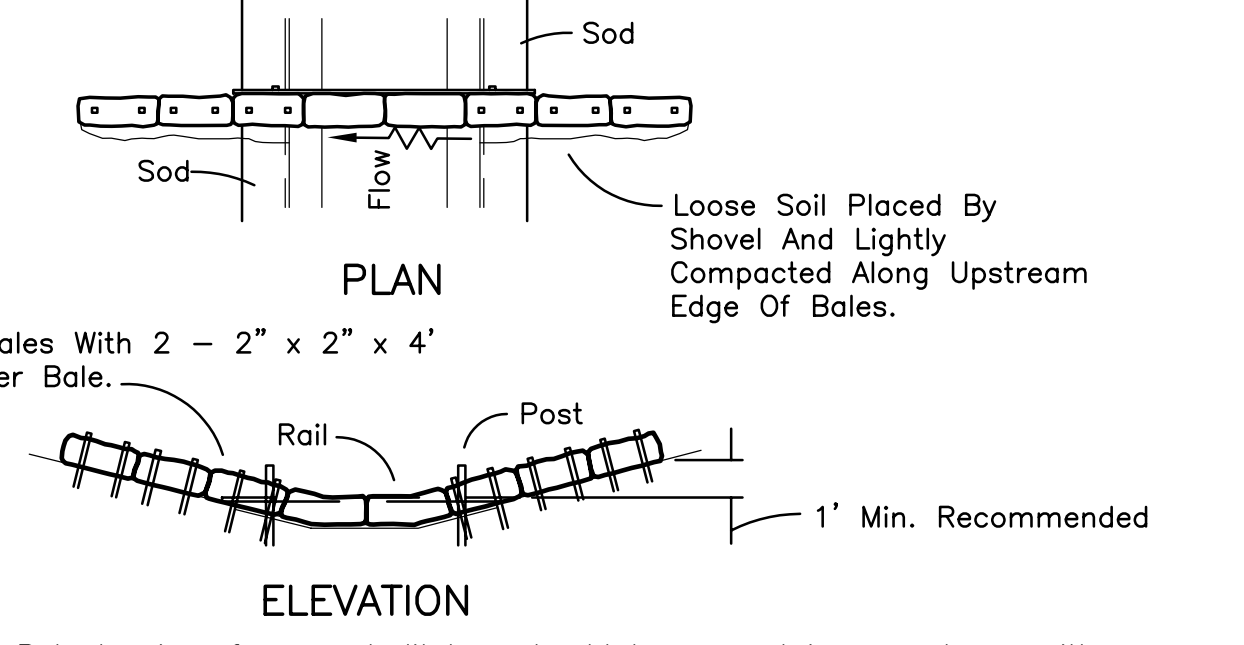
BARRIERS FOR FILL SLOPES



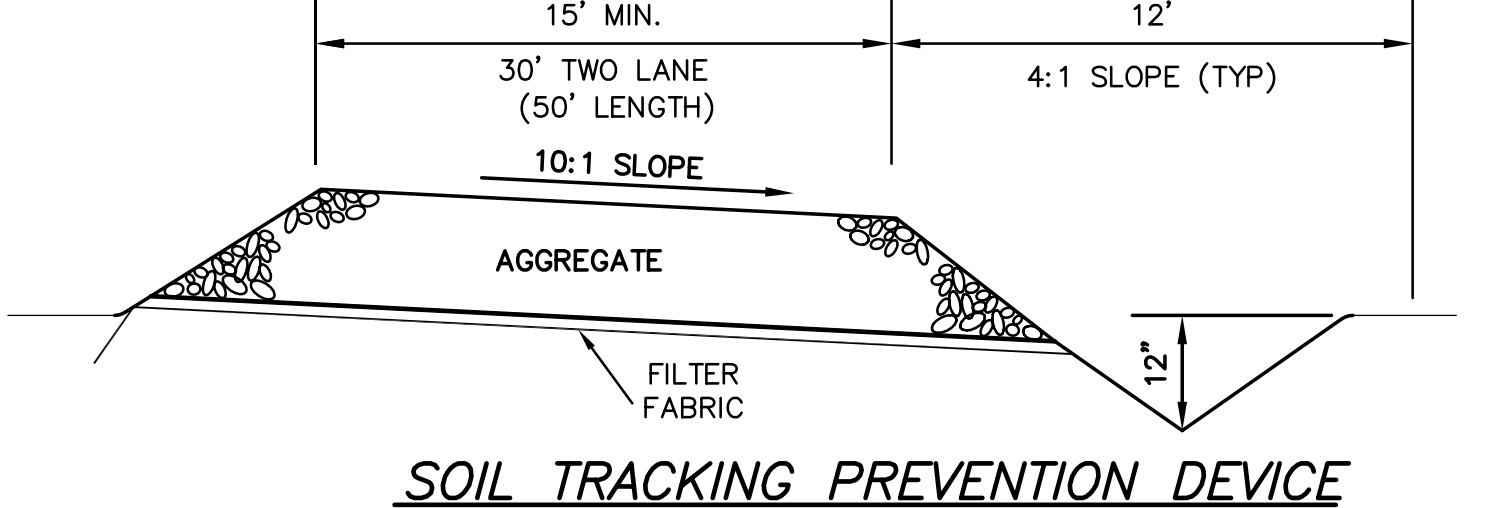
PROTECTION AROUND INLETS OR SIMILAR STRUCTURES



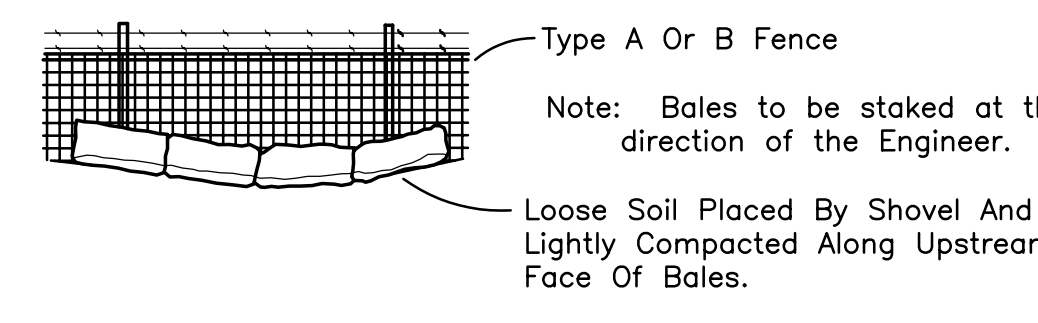
TYPE III SILT FENCE



BARRIER FOR PAVED DITCH



SOIL TRACKING PREVENTION DEVICE



BALES BACKED BY FENCE

DESIGNED BY	IK	10/12					
DRAWN BY	IK	10/12					
CHECKED BY	JWR	10/12					
APPROVED BY	JWR	10/12	ISSUED FOR PERMITTING AND BIDDING	1	4/4/13	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 VOLKSWAGEN
CITY OF COCONUT CREEK, FLORIDA
POLLUTION PREVENTION NOTES & DETAILS

DATE:	NOVEMBER, 2012
SCALE:	AS SHOWN
PROJECT NO.	111-511-01
SHEET NO.	19 OF 19