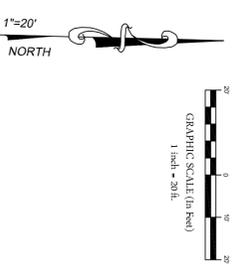


SUBJECT PROPERTY CONTAINS
46,200 SQUARE FEET / 1.06 ACRES

SPECIFIC PURPOSE SURVEY
"TOPOGRAPHY & UTILITIES LOCATION / DATA"
309 311-315, 400 408 & XX SE 9th COURT
HALLANDALE BEACH, FL 33009

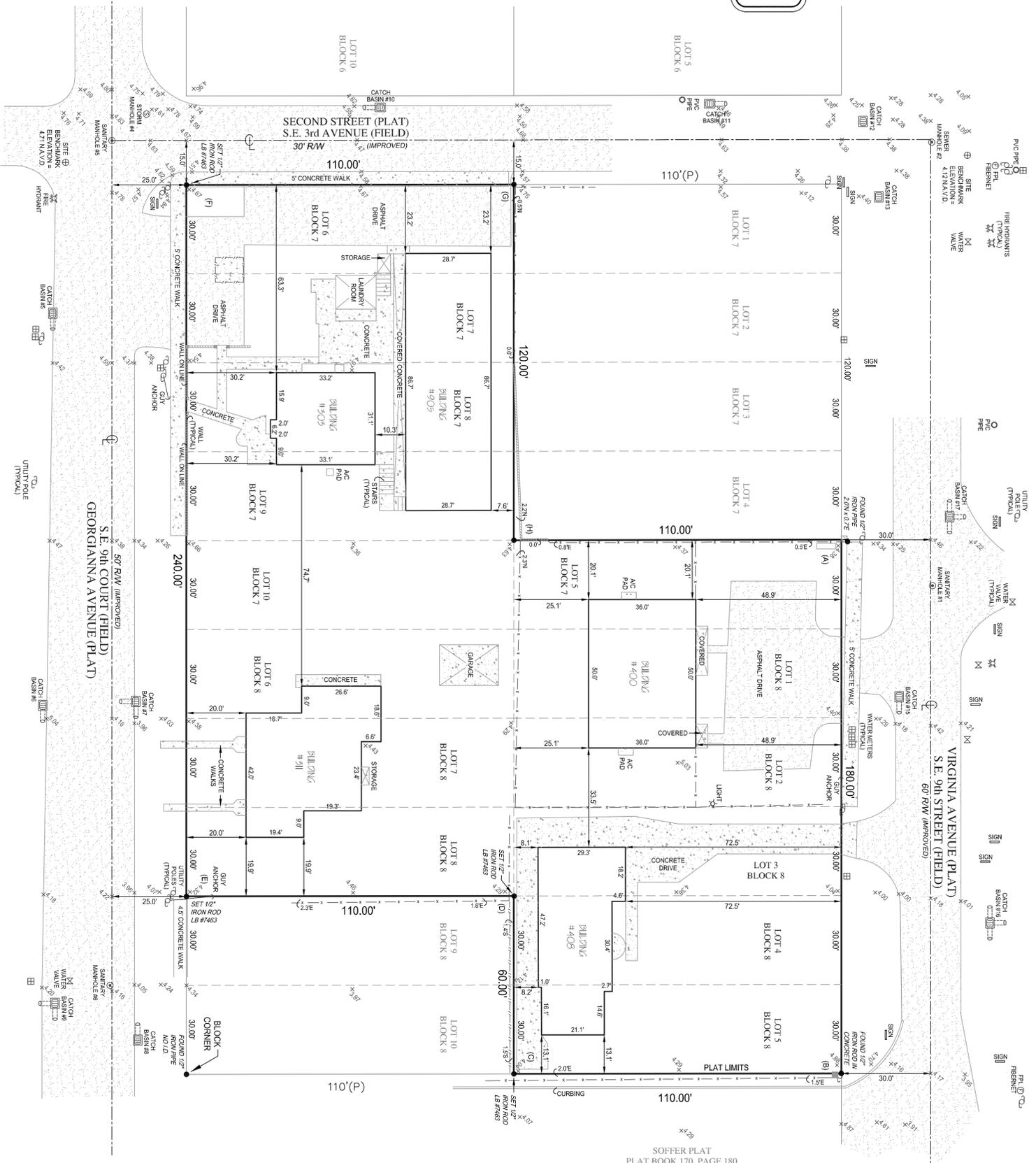
PREPARED FOR
CARE LG 2016 HOLDINGS, LLC



ORIENTATION BENCHMARK
BROWARD COUNTY BRASS DISK
"104"
N.A.V.D. 1898 ELEVATION = 4.70
N.A.V.D. 1829 ELEVATION = 10.28

ORIGINAL FIELD WORK
COMPLETED BY:
TARGET SURVEYING, LLC
DATED: 07/25/2017
SURVEY #298837

CORNER ANGLE DATA
(A) 89°55'02"
(B) 90°04'59"
(C) 89°55'02"
(D) 89°55'02"
(E) 89°55'02"
(F) 90°04'59"
(G) 89°55'02"
(H) 89°55'02"



LEGAL DESCRIPTION

LOT 6, 7, 8, AND 9, BLOCK 7, HALLANDALE PARK, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 5, PAGE 20, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.
LOT 6, 7 AND 8, BLOCK 8, HALLANDALE PARK, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 5, PAGE 20, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.
LOT 5, BLOCK 7 AND LOTS 1 AND 2, BLOCK 8 OF HALLANDALE PARK, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 5, PAGE 20, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.
LOT 3, 4 AND 5, BLOCK 8, HALLANDALE PARK, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 5, PAGE 20, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.
LOT 10, BLOCK 7, HALLANDALE PARK, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 5, PAGE 20, OF THE PUBLIC RECORDS OF BROWARD COUNTY, FLORIDA.

FLOOD ZONE: X/AE
COMMUNITY NUMBER: 125110
PANEL: 125110
SUFFIX: H

ABBREVIATION DESCRIPTION

AC AIR CONDITIONER
CL CENTERLINE
ID IDENTIFICATION
LB LICENSED BUSINESS
N.A.V.D. NORTH AMERICAN VERTICAL DATUM
PSM PROFESSIONAL SURVEYOR MAPPER
RW RIGHT OF WAY
XXX TOPOGRAPHIC ELEVATION

CATCH BASIN DATA	CATCH BASIN #3	CATCH BASIN #13	SANITARY MANHOLE DATA
RM ELEVATION = 4.28 N.A.V.D.	RM ELEVATION = 3.98 N.A.V.D.	RM ELEVATION = 4.82 N.A.V.D.	SANITARY MANHOLE #1
EAST INVERT = (0.05) N.A.V.D.	CANT MOVE I/D (HEAVY)	RM ELEVATION = 4.82 N.A.V.D.	RM ELEVATION = 4.82 N.A.V.D.
2.0' CONCRETE PIPE	TARP INSIDE - NOTHING VISIBLE	INVERT ELEVATION = (1) 2.70	INVERT ELEVATION = (1) 2.70
CATCH BASIN #6	CATCH BASIN #5	CATCH BASIN #2	SANITARY MANHOLE #2
RM ELEVATION = 4.05 N.A.V.D.	RM ELEVATION = 4.04 N.A.V.D.	RM ELEVATION = 4.46 N.A.V.D.	RM ELEVATION = 4.46 N.A.V.D.
EAST INVERT = (0.25) N.A.V.D.	EAST INVERT = (0.25)	INVERT ELEVATION = (1) 2.51	INVERT ELEVATION = (1) 2.51
2.5' CONCRETE PIPE	4.5' CONCRETE PIPE	SANITARY MANHOLE #5	RM ELEVATION = 5.05 N.A.V.D.
CATCH BASIN #7	CATCH BASIN #6	SANITARY MANHOLE #6	RM ELEVATION = 5.05 N.A.V.D.
RM ELEVATION = 4.14 N.A.V.D.	RM ELEVATION = 4.11 N.A.V.D.	INVERT ELEVATION = (1) 80 N.A.V.D.	INVERT ELEVATION = (1) 80 N.A.V.D.
EAST INVERT = (0.20) N.A.V.D.	EAST INVERT = (0.14) N.A.V.D.	SANITARY MANHOLE #4	RM ELEVATION = 4.82 N.A.V.D.
2.0' CONCRETE PIPE	1.5' METAL PIPE	RM ELEVATION = 4.82 N.A.V.D.	RM ELEVATION = 4.82 N.A.V.D.
SOUTH INVERT = (0.13) N.A.V.D.	WEST INVERT = (0.14) N.A.V.D.	INVERT ELEVATION = (1) 2.51	INVERT ELEVATION = (1) 2.51
1.5' CONCRETE PIPE	1.5' METAL PIPE	STORM MANHOLE DATA	
CATCH BASIN #8	CATCH BASIN #7	STORM MANHOLE #4	
RM ELEVATION = 2.87 N.A.V.D.	RM ELEVATION = 2.87 N.A.V.D.	RM ELEVATION = 4.82 N.A.V.D.	
1.5' CONCRETE PIPE	TARP INSIDE - NOTHING VISIBLE	INVERT ELEVATION = (1) 80 N.A.V.D.	
CATCH BASIN #9	CATCH BASIN #8		
RM ELEVATION = 4.19 N.A.V.D.	RM ELEVATION = 4.19 N.A.V.D.		
WEST INVERT = (0.22) N.A.V.D.	WEST INVERT = (0.22) N.A.V.D.		
2.5' CONCRETE PIPE	2.5' CONCRETE PIPE		
CATCH BASIN #10	CATCH BASIN #10		
RM ELEVATION = 4.11 N.A.V.D.	RM ELEVATION = 4.11 N.A.V.D.		
SOUTH INVERT = (1) 4.3 N.A.V.D.	SOUTH INVERT = (1) 4.3 N.A.V.D.		
3.5' CONCRETE PIPE	3.5' CONCRETE PIPE		
CATCH BASIN #11	CATCH BASIN #11		
RM ELEVATION = 4.09 N.A.V.D.	RM ELEVATION = 4.09 N.A.V.D.		
NORTH INVERT = 2.00 N.A.V.D.	NORTH INVERT = 2.00 N.A.V.D.		
0.75' CONCRETE PIPE	0.75' CONCRETE PIPE		
CATCH BASIN #12	CATCH BASIN #12		
RM ELEVATION = 4.38 N.A.V.D.	RM ELEVATION = 4.38 N.A.V.D.		
NORTH INVERT = 4.11 N.A.V.D.	NORTH INVERT = 4.11 N.A.V.D.		
1.5' METAL PIPE	1.5' METAL PIPE		
TARP INSIDE - NO VISIBILITY	TARP INSIDE - NO VISIBILITY		

NOTES

- LEGAL DESCRIPTION PROVIDED BY CLIENT
- NO SEARCH OF THE PUBLIC RECORD FOR THE PURPOSE OF ABSTRACTING TITLE WAS PERFORMED BY THIS OFFICE
- NO SURFACE IMPROVEMENTS WERE LOCATED AS PART OF THIS SURVEY
- ALL ANGLES AND DISTANCES SHOWN HEREON ARE BOTH RECORD AND MEASURED UNLESS OTHERWISE NOTED
- ELEVATIONS SHOWN HEREON ARE IN NORTH AMERICAN VERTICAL DATUM 1988, UNLESS OTHERWISE NOTED

Kenneth J. Osborne PSJ #6415
THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER

Project: C-15690
Date: 02-25-2018
Scale: 1" = 20'
Sheet: 1 OF 1



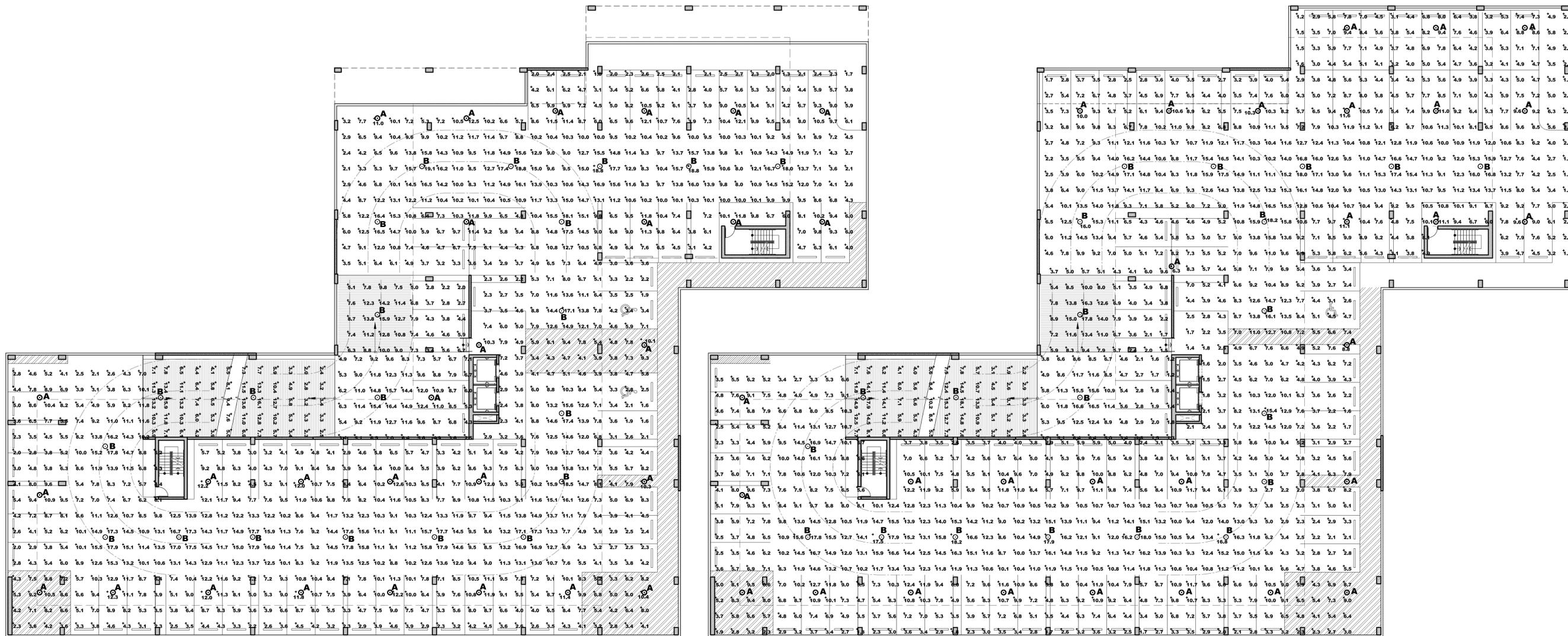
6230 N. MILITARY TRAIL, SUITE 102
WEST PALM BEACH, FL 33407
PHONE: 561.640.4800
FAX: 561.640.0576
LB #7463

Luminaire Schedule									
Project: HALLANDALE MEDICAL - PARKING GARAGE 2ND FLOOR CITY OF HALLANDALE, FL 03/22/2018									
Symbol	Qty	Label	Manufacturer	Description	Luminaire Lumens	LLF	Luminaire Watts		
	28	A	Kenall Manufacturing	SPG18-xxx-MW-5S-SU-TP-30L-40K8-DCC-DV-xxx MH: 8'-4" SURFACE MOUNT A.F.F.	4138	0.855	35		
	21	B	Kenall Manufacturing	SPG18-xxx-MW-5S-SU-TP-70L-40K8-DCC-DV-xxx MH: 8'-4" SURFACE MOUNT A.F.F.	8287	0.855	78		

Calculation Summary							
Project: HALLANDALE MEDICAL - PARKING GARAGE 2ND FLOOR CITY OF HALLANDALE, FL 03/22/2018							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
STORAGE AREAS	Illuminance	Fc	6.19	12.9	1.3	4.76	9.92
TRAFFIC LANES	Illuminance	Fc	10.26	19.1	2.0	5.13	9.55

Luminaire Schedule									
Project: HALLANDALE MEDICAL - PARKING GARAGE 3RD FLOOR CITY OF HALLANDALE, FL 03/22/2018									
Symbol	Qty	Label	Manufacturer	Description	Luminaire Lumens	LLF	Luminaire Watts		
	29	A	Kenall Manufacturing	SPG18-xxx-MW-5S-SU-TP-30L-40K8-DCC-DV-xxx MH: 8'-4" SURFACE MOUNT A.F.F.	4138	0.855	35		
	21	B	Kenall Manufacturing	SPG18-xxx-MW-5S-SU-TP-70L-40K8-DCC-DV-xxx MH: 8'-4" SURFACE MOUNT A.F.F.	8287	0.855	78		

Calculation Summary							
Project: HALLANDALE MEDICAL - PARKING GARAGE 3RD FLOOR CITY OF HALLANDALE, FL 03/22/2018							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
STORAGE AREAS	Illuminance	Fc	5.83	12.7	1.2	4.86	10.58
TRAFFIC LANES	Illuminance	Fc	10.04	18.2	1.6	6.28	11.38



SYNALOVSKI ROMANIK SAYE
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Fort Lauderdale, FL 33316
T 954.961.6806
F 954.961.6807
www.synalovskid.com

Manuel Synalovski, AIA
AR 0011698
SEAL

LICENSE NO. AA26001863

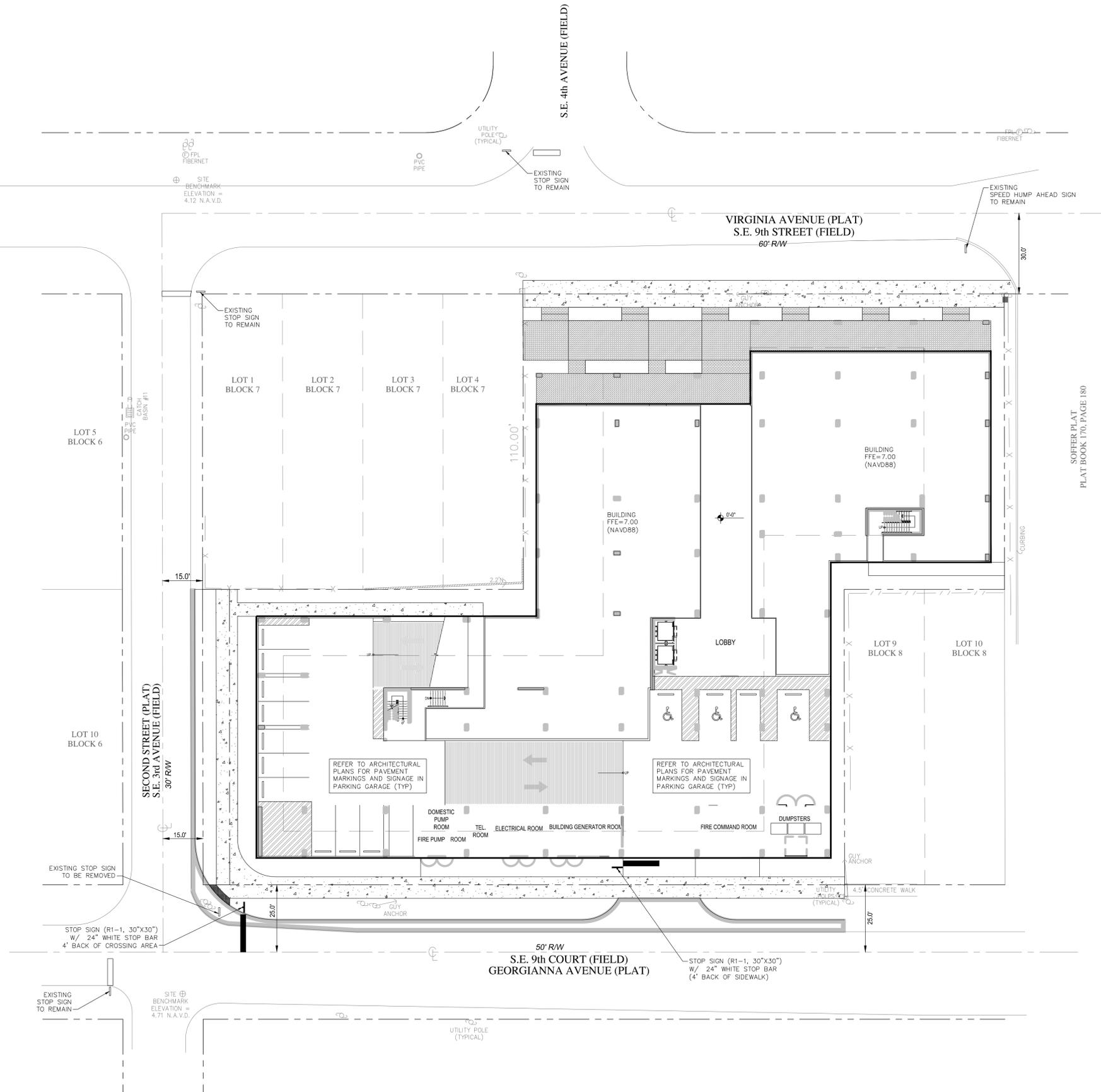
HALLANDALE MEDICAL
 SE 9th ST. AND SE 3rd AVE.
 HALLANDALE BEACH, FLORIDA
 CLIENT: CARE LG 2016 HOLDING, LLC.

REV	DATE	DESCRIPTION

DESIGN DELIVERABLE: DRC SUBMITTAL
ISSUE DATE: 03/27/18

PROJECT NUMBER: 1475-170714
DRAWN BY: JS
CHECKED BY: MS

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All Rights Reserved.
SHEET TITLE:
PHOTOMETRIC PLANS GARAGE
SHEET NUMBER:



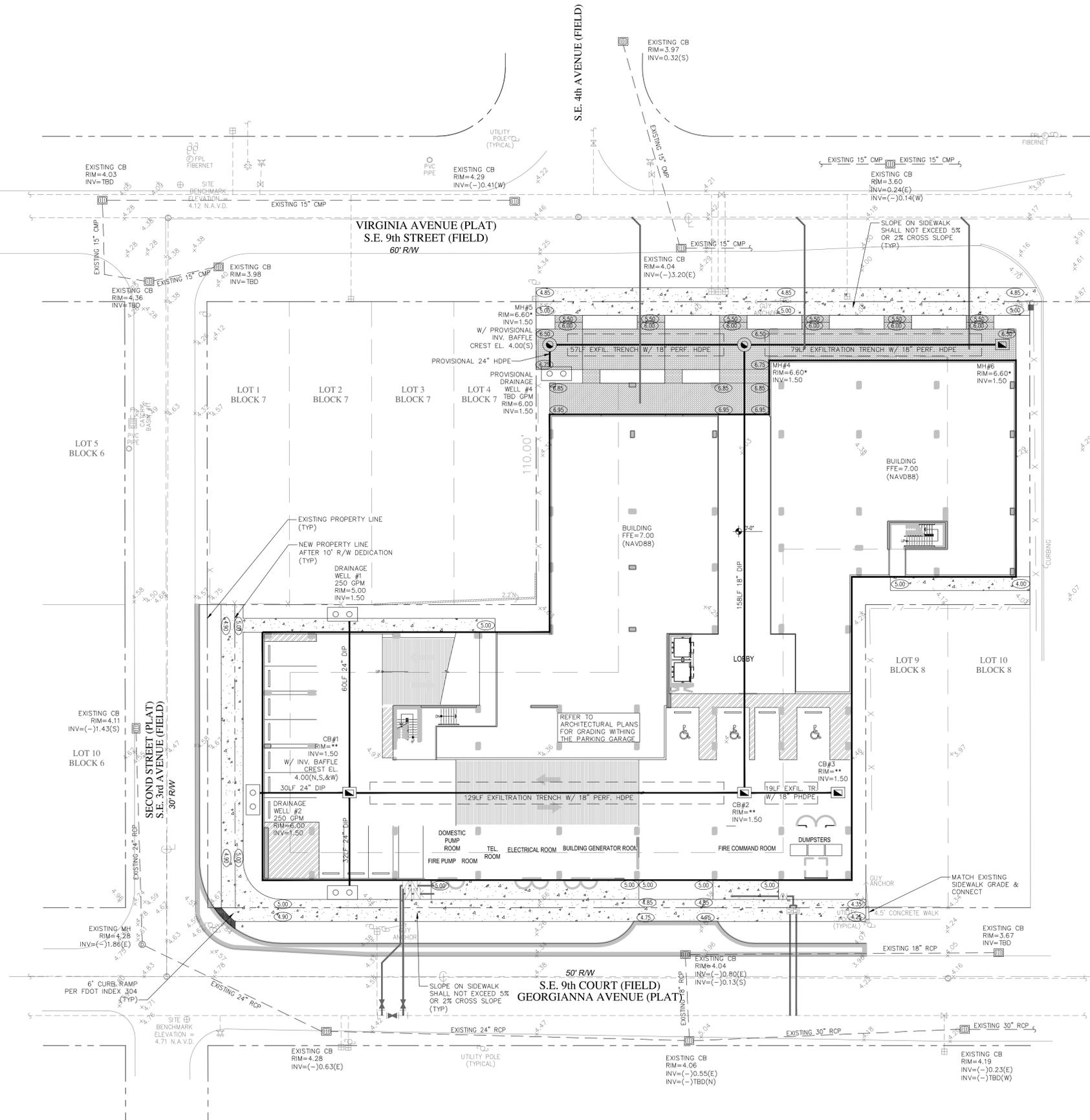
PAVEMENT MARKING & SIGNAGE NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC, EXCEPT FOR PARKING STALL STRIPING.
2. R1-1 SIGNS SHALL BE HIGH INTENSITY DIAMOND GRADE.
3. ALL SIGNAGE AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, (MUTCD).
4. BLUE RPM'S REQUIRED IN THE CENTER OF THE NEAREST DRIVE ISLE ADJACENT TO FIRE HYDRANTS.
5. SIGNS SHALL BE MOUNTED ON BCTD STANDARD SQUARE POSTS.

LEGEND:

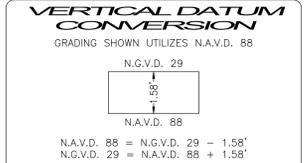
- PROPOSED ELEVATION
- EXISTING ELEVATION
- PROPOSED CATCH BASIN
- PROPOSED PLUG
- TEE
- WATER METER
- DOUBLE DETECTOR CHECK W/ WAFER CHECK VALVE ON DOWNSTREAM SIDE
- REDUCED PRESSURE BACKFLOW PREVENTOR
- DIRECTIONAL FLOW ARROW AND GRAVITY SEWER
- PROPOSED MANHOLE
- WATER MAIN
- SANITARY FORCE MAIN VALVE
- FIRE HYDRANT
- SIAMESE CONNECTION CLEANOUT
- EDGE OF PROPOSED PAVEMENT (ASPHALT)
- DIRECTION OF SURFACE DRAINAGE
- SAMPLE POINT
- EXIST. WATER MAIN
- EXIST. UTILITY LINE TO BE REMOVED





PAVING AND DRAINAGE NOTES:

1. ALL STORM DRAINAGE LINE FROM THE BLDG SHALL BE LAID @ 1.0% MINIMUM SLOPE UNLESS NOTED OTHERWISE ON PLANS.
2. CLEANOUTS ON STORM DRAINAGE LINES ARE TO BE ADJUSTED TO BE FLUSH W/FINISHED GRADE.
3. CONTRACTOR SHALL PROVIDE FITTINGS (WYES, TEE, REDUCERS, ETC.) AS REQUIRED TO FURNISH A COMPLETE WORKING SYSTEM BASED ON THE LAYOUT SHOWN ON THESE PLANS.
4. LANDSCAPED AREAS SHALL BE GRADED TO DRAIN TO THE CATCH BASIN INLETS. FIELD ADJUST GRADING AS REQUIRED.
5. SITE UTILITY CONTRACTOR SHALL COORDINATE WITH THE BUILDING PLUMBING CONTRACTOR FOR EXACT LOCATION OF CONNECTION POINTS BETWEEN THE BUILDING AND SITE WATER, SEWER AND DRAINAGE LINES (VERTICALLY AND HORIZONTALLY).
6. RECTANGULAR CATCH BASIN AND YARD DRAIN GRATES SHALL BE INSTALLED SUCH THAT THE LONG AXIS OF GRATE PARALLELS THE CLOSEST ADJACENT WALK, BLDG.DRIVE WAY, PROPERTY LINE, OR ROADWAY.
7. COORDINATE LOCATION IN FIELD OF ALL CATCH BASINS & YARD DRAINS WITH LANDSCAPE CONTRACTOR TO AVOID CONFLICTS
8. CENTERLINE OF YARD DRAINS @ BASE OF DOWN SPOUTS MUST ALIGN WITH CENTERLINE OF DOWN SPOUT PRIOR TO FINAL ACCEPTANCE BY OWNER. REFERENCE ARCH. PLANS FOR EXACT LOCATION OF DOWN SPOUTS.
9. CONTRACTOR SHALL COORDINATE WITH THE ENGINEER & LANDSCAPE ARCHITECT TO FIELD ADJUST GRADING & UNDERGROUND PIPING AS REQUIRED TO PRESERVE EXISTING TREES TO REMAIN.
10. CATCH BASINS LOCATED IN SWALES IN PARKING LOT SHALL BE CENTERED IN SWALE. UNLESS NOTED OTHERWISE.
11. EXISTING BROKEN SIDEWALKS ADJACENT TO THIS SITE TO BE REPAIRED.
12. THIS PROPERTY LIES IN BOTH FLOOD ZONE AE, ELEV=6 NAVD & FLOOD ZONE X ON FIRM PANEL 120100732H, DATED 08/18/14. BROWARD COUNTY 100 YR. FLOOD CONTOUR = ELEV. 6.0 NAVD. AVERAGE WET SEASON WATER LEVEL = ELEV. 1.5 NAVD.
- *13. CONTRACTOR TO RECESS FRAME AND MH COVER FOR MH'S #4,5,6 BELOW BRICK PAVER SIDEWALK AFTER FINAL DRAINAGE INSPECTION WITH ENGINEER AND CITY. DESIGN GRADE IS SET 3.5" BELOW FINISHED GRADE TO ALLOW 1" SAND AND 2.5" BRICK PAVER TO BE SET OVER COVER. CENTER OF MH COVER IS TO BE MARKED WITH A SINGLE BRICK OF CONTRASTING COLOR.
- **14. RIM ELEVATIONS OF CB'S # 1,2,3 IN PARKING GARAGE TO BE SET BASED ON GRADING SHOWN ON ARCHITECTURAL PLANS.



NPDES
ALL PROJECTS THAT WILL RESULT IN THE DISTURBANCE OF 1 OR MORE ACRES OF LAND CONTRACTORS ARE REQUIRED TO SUBMIT A STORM WATER NOTICE OF INTENT (DEP FORM 62-621.300(4)(b)) 48 HOURS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, NPDES STORMWATER PROGRAM, 2600 BLAIR STONE ROAD MAIL STATION 2510, TALLAHASSEE, FL 32399-2400. ADDITIONAL DETAILS ARE AVAILABLE AT WWW.DEF.STATE.FL.US/WATER/STORMWATER/NPDES

LEGEND:

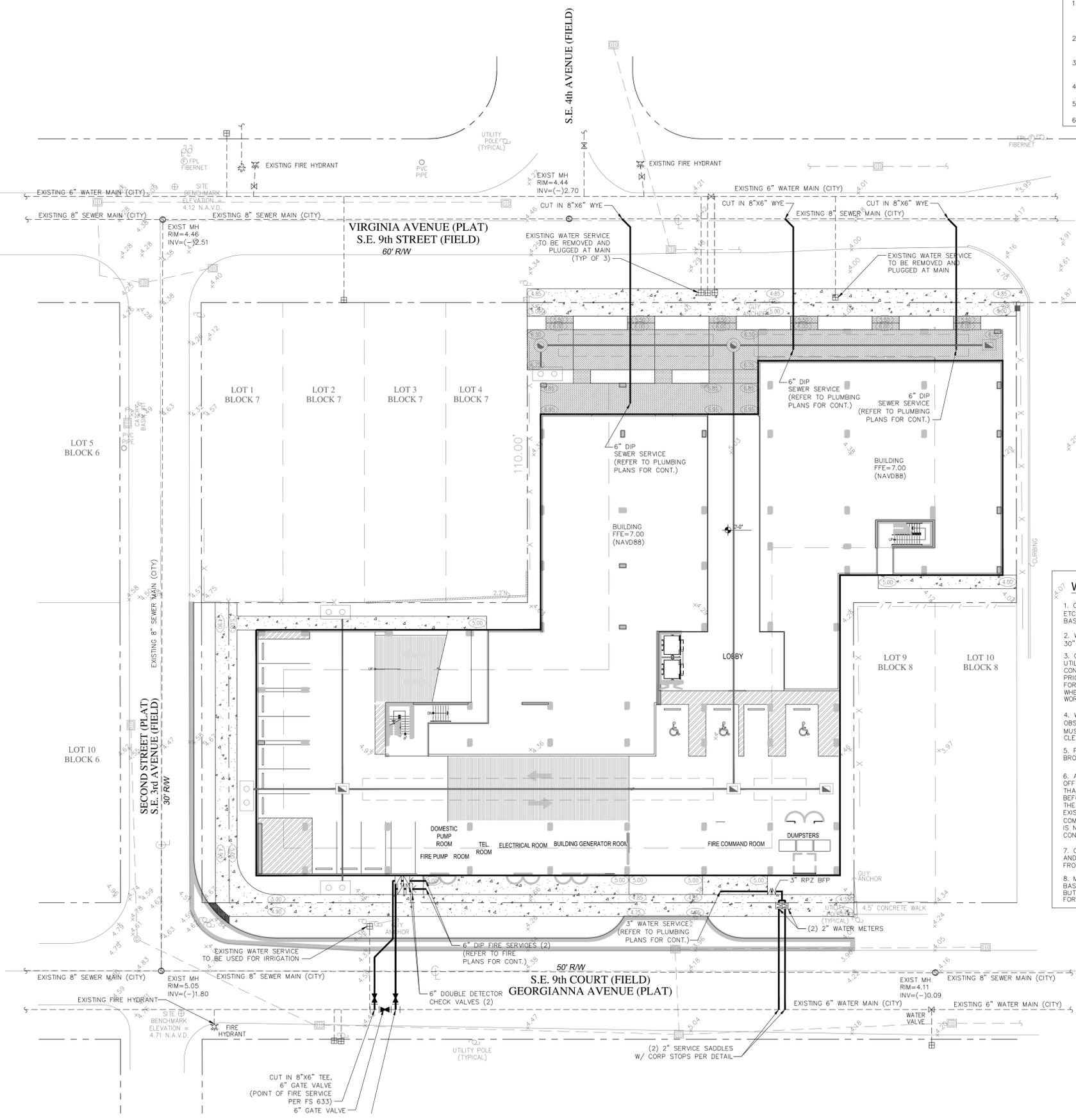
- (0.00) PROPOSED ELEVATION
- 1.50' EXISTING ELEVATION
- PROPOSED CATCH BASIN
- PROPOSED PLUG
- TEE
- WATER METER
- DOUBLE DETECTOR CHECK W/ WAFER CHECK VALVE ON DOWNSTREAM SIDE
- REDUCED PRESSURE BACKFLOW PREVENTOR
- DIRECTIONAL FLOW ARROW AND GRAVITY SEWER
- PROPOSED MANHOLE
- w - WATER MAIN
- FM - SANITARY FORCE MAIN
- VALVE
- FIRE HYDRANT
- SIAMSESE CONNECTION CLEANOUT
- EDGE OF PROPOSED PAVEMENT (ASPHALT)
- DIRECTION OF SURFACE DRAINAGE
- SAMPLE POINT
- EXIST. WATER MAIN
- EXIST. UTILITY LINE TO BE REMOVED



SOFFER PLAT
PLAT BOOK 170, PAGE 180

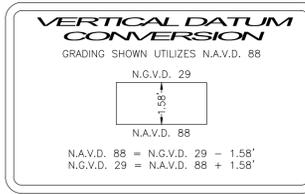
WATER AND SEWER FLOW:

- EXISTING WATER AND SEWER FLOW FROM THE SITE:
WATER: 1 SINGLE FAMILY + 13 MULTIFAMILY UNITS @
1 @ 300 GPD/EA + 13 @ 250 GPD EA = 3,550 GPD
SEWER: 1 SINGLE FAMILY + 13 MULTIFAMILY UNITS @
1 @ 300 GPD/EA + 13 @ 250 GPD EA = 3,550 GPD
- PROPOSED WATER AND SEWER FLOW FROM THE SITE:
WATER: 76,126 SF OFFICE @ 0.2 GPD/SF = 15,225 GPD
SEWER: 76,176 SF OFFICE @ 0.2 GPD/SF = 15,225 GPD
- NET INCREASE IN WATER AND SEWER FLOW FROM THE SITE:
WATER: 15,225 GPD PROPOSED - 3,550 GPD EXISTING = 11,675 GPD
SEWER: 15,225 GPD PROPOSED - 3,550 GPD EXISTING = 11,675 GPD
- PEAK WATER DEMAND FOR THE SITE:
11,675 GPD X 2.5 PEAK FACTOR = 29,188 GPD
- PEAK SEWER FLOW FROM THE SITE:
11,675 GPD X 3.0 PEAK FACTOR = 35,025 GPD
- ESTIMATED IRRIGATION USE FOR THE SITE = 300 GPD



WATER NOTES:

- CONTRACTOR SHALL PROVIDE FITTINGS (WYES, TEES, REDUCERS, ETC.) AS REQUIRED TO FURNISH A COMPLETE WORKING SYSTEM BASED ON THE LAYOUT SHOWN ON THESE PLANS.
- WATER AND SEWER MAINS MINIMUM DEPTH OF COVER TO BE: 30" FOR DIP AND 36" FOR PVC MAINS.
- CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH THE CITY UTILITY DEPT. ANY WATER MAIN CONNECTIONS, UTILITY CONNECTIONS AND SCHEDULE MUST BE APPROVED BY THE CITY PRIOR TO IMPLEMENTATION. THE CONTRACTOR IS REQUIRED TO PAY FOR ALL COSTS ASSOCIATED WITH THIS WORK REGARDLESS OF WHETHER OR NOT THE UTILITY OR THE CONTRACTOR PERFORMS THE WORK.
- W.M./S.S. MAINS TO BE LOCATED 5' CLEAR OF ALL OBSTRUCTIONS, POLES, BOXES, CULVERTS, ETC. W.M./S.S. MAINS MUST BE LOCATED 5' FROM TREES. F.H.'S MUST HAVE A 7.5' CLEAR RADIUS.
- PRESSURE TESTING AND CERTIFICATION SHALL FOLLOW THE BROWARD COUNTY HEALTH DEPARTMENT STANDARDS.
- ALL UNDERGROUND UTILITIES TO BE REMOVED SHALL BE CAPPED OFF AT THE POINT NEAREST TO THE UTILITIES OR DRAINAGE LINES THAT WILL REMAIN IN SERVICE. NOTIFY THE ENGINEER OF RECORD BEFORE REMOVING ANY UTILITIES THAT ARE CURRENTLY IN SERVICE. THE CONTRACTOR SHALL NOT REMOVE ANY UTILITY SERVICE TO ANY EXISTING BUILDING THAT WILL REMAIN AND SHALL DIG UP AND COMPLETELY REMOVE AND/OR ABANDON ANY UTILITY SERVICE THAT IS NO LONGER REQUIRED. THE CONTRACTOR SHALL INFORM AND CONSULT THE ENGINEER OF RECORD PRIOR TO REMOVING ANY LINES.
- CONTRACTOR SHALL VERIFY EXISTING WATER/SEWER MAIN LOCATION AND ELEVATION AND NOTIFY THE ENGINEER OF ANY DIFFERENCE FROM THE DESIGN PRIOR TO CONSTRUCTION AND/OR EXCAVATION.
- MINIMUM FIRE FLOW REQUIRED PER NFPA TABLE 18.4.5.1.2 BASED ON 45,915SF TYPE V(000) CONSTRUCTION REQUIRES 8,000 GPM BUT CAN BE REDUCED 75% WITH SPRINKLERS FOR 2,000 GPM REQUIRED FOR THIS PROJECT.



LEGEND:

(000)	PROPOSED ELEVATION
1.50	EXISTING ELEVATION
[Symbol]	PROPOSED CATCH BASIN
[Symbol]	PROPOSED PLUG
[Symbol]	TEE
[Symbol]	WATER METER
[Symbol]	DOUBLE DETECTOR CHECK W/ WAFER CHECK VALVE ON DOWNSTREAM SIDE
[Symbol]	REDUCED PRESSURE BACKFLOW PREVENTOR
[Symbol]	DIRECTIONAL FLOW ARROW AND GRAVITY SEWER
[Symbol]	PROPOSED MANHOLE
-w-	WATER MAIN
-FM-	SANITARY FORCE MAIN
[Symbol]	VALVE
[Symbol]	FIRE HYDRANT
[Symbol]	SIAMSESE CONNECTION CLEANOUT
[Symbol]	EDGE OF PROPOSED PAVEMENT (ASPHALT)
[Symbol]	DIRECTION OF SURFACE DRAINAGE
[Symbol]	SAMPLE POINT
- -	EXIST. WATER MAIN
----	EXIST. UTILITY LINE TO BE REMOVED



SUMMARY OF DRAINAGE STRUCTURES

STRUCTURE #	TYPE	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	U.S.F. # DR EQUAL FRAME	U.S.F. # DR EQUAL GRATE
CB#	"J"	4'-0" Ø	8"	8"	#4 @ 12" CCEV	#4 @ 12" CCEV	6'-4" Ø	5'-4" Ø	#4 @ 6" CCEV	4155	6209 CAST IRON
CB#	"C"	24"	37"							4155	6209 CAST IRON
MH#	"J"	5'-0" Ø	8"	8"	#5 @ 12" CCEV	#5 @ 12" CCEV	7'-4" Ø	6'-4" Ø	#5 @ 8" CCEV	420	TYPE "C"
CB#	"D"	6'-0"	8"	8"	#5 @ 12" CCEV	#5 @ 6" CCEV	8'-4" Ø	7'-4" Ø	#5 @ 6" CCEV	4615	6210 CAST IRON
CB#	"J"	4'-0" Ø	8"	8"	#4 @ 12" CCEV	#4 @ 12" CCEV	6'-4" Ø	5'-4" Ø	#4 @ 6" CCEV	5115	6220 CAST IRON

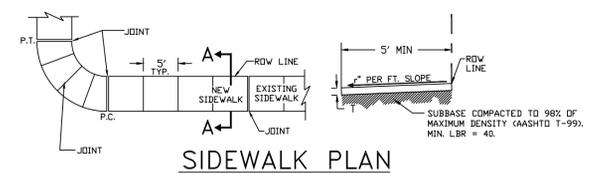
NOTE: ALL DRAINAGE STRUCTURES SHALL HAVE A 2" SUMP

SPACING OF REQUIRED ROADWAY, PARKING AREA AND UTILITY TRENCH TESTS

F.B.V.	DENSITY	L.B.R.	THICKNESS
MAX. SPACING	MAX. SPACING	MAX. SPACING	MAX. SPACING
LN. FEET SQ. FEET			
200	10,000	200	10,000
---	---	---	---
---	---	---	---
---	---	---	---

ALL TESTING SHALL BE TAKEN IN A STAGED SAMPLING PATTERN FROM A POINT 12" INSIDE THE LEFT EDGE OF THE ITEM TESTED TO THE CENTER, TO A POINT 12" INSIDE THE RIGHT EDGE.

COMPACTION TEST SCHEDULE



CONCRETE PAVEMENT & SIDEWALK JOINTS

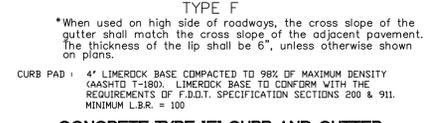
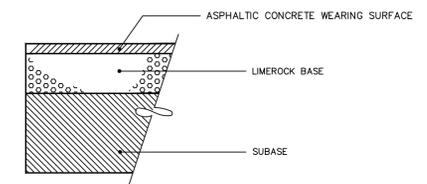
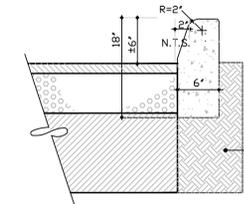
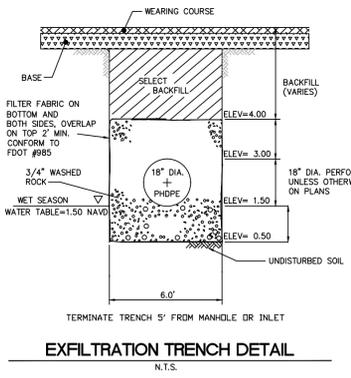
TABLE OF SIDEWALK JOINTS

LOCATION
P.C. AND P.T. CURVES
JUNCTION OF EXISTING AND NEW SIDEWALKS
5'-0" CENTER TO CENTER IN SIDEWALKS
15' CENTER TO CENTER MAX. FOR CONCRETE PAVEMENT UNLESS OTHERWISE INDICATED.

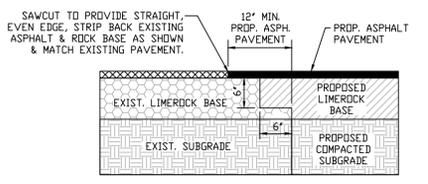
- PROVIDE 1/8" CONTRACTION JOINTS AT 5' C.C. WITH A MINIMUM DEPTH 1 1/2", EDGED WITH A 1/4" RADIUS DEEP WITHIN THE FOLLOWING TIME PERIODS: JOINTS AT NOT MORE THAN 30' INTERVALS - WITHIN 12 HOURS AFTER FINISHING. REMAINING JOINTS WITHIN 96 HOURS AFTER FINISHING.
- PROVIDE 6" THICK CONCRETE FOR ALL SIDEWALKS.
- NO REINFORCEMENTS SHALL BE USED IN THE SIDEWALKS.
- CONCRETE TO BE 3000 PSI IN 88 DAYS.
- CURE ALL CONCRETE WITH CLEAN SAND, PLASTIC MEMBRANE OR OTHER APPROVED METHOD.
- CONCRETE PAVEMENT FOUNDATION SHALL BE COMPACTED TO A FIRM, EVEN SURFACE, TRUE TO GRADE AND CROSS SECTION, AND SHALL BE MOIST AT THE TIME CONCRETE IS PLACED.
- ALL CONSTRUCTION SHALL CONFORM TO LOCAL CONSTRUCTION CODES AND STANDARDS.

NOTE: CONCRETE TO BE CLASS-1 3000 P.S.I.

CONCRETE PAVEMENT & SIDEWALK DETAIL

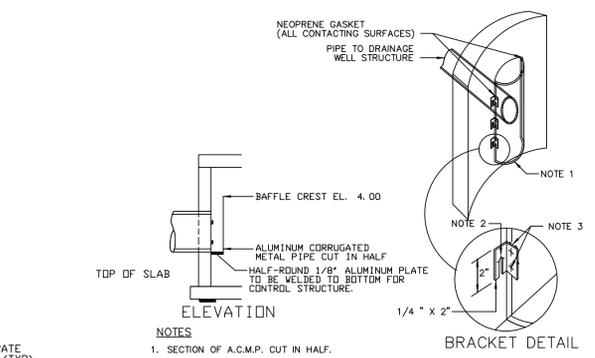
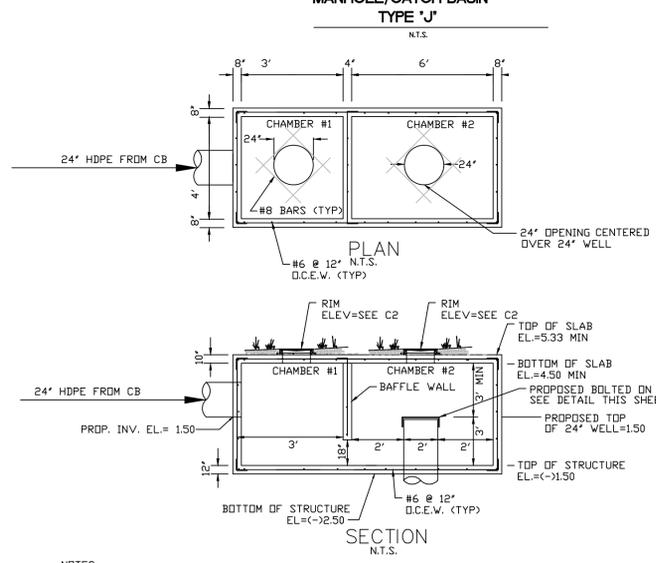
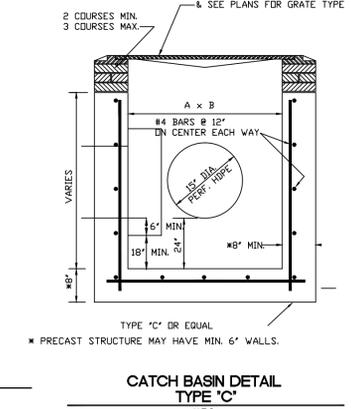
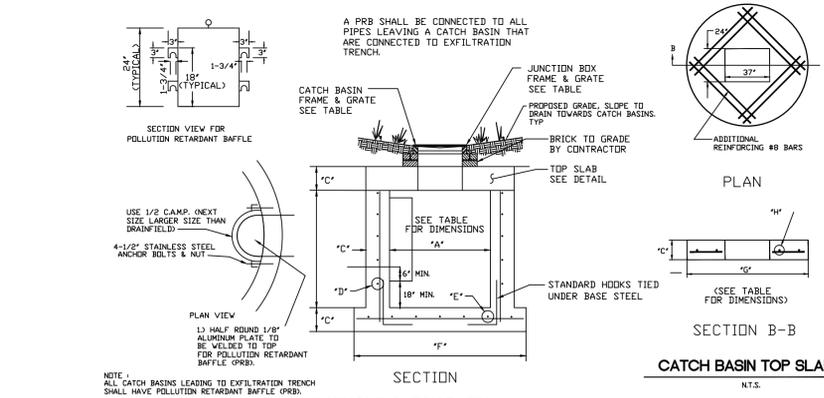


CONCRETE TYPE "F" CURB AND GUTTER



- 15" ASPHALTIC CONCRETE WEARING SURFACE, F.D.D.T. TYPE SP SURFACE COURSE SHALL CONFORM TO THE REQUIREMENTS OF F.D.D.T. STANDARD SPECIFICATIONS SECTIONS 339 & 331 TO BE PLACED IN TWO LIFTS.
- PRIME & TACK COAT: PRIME & TACK COAT FOR THE LIMEROCK BASE COURSE SHALL CONFORM TO THE REQUIREMENTS OF F.D.D.T. STANDARD SPECIFICATIONS SECTION 300. APPLICATION RATES - PRIME COAT=0.25 GALLONS PER SQ. YD. TACK COAT=0.08 GALLONS PER SQ. YD.
- BASE: 8" LIMEROCK BASE COMPACTED TO 98% OF MAXIMUM DENSITY (AASHTO T-180). MINIMUM L.B.R. = 100
- SUBBASE: 12" SUBBASE COMPACTED TO 95% OF MAXIMUM DENSITY (AASHTO T-180). MINIMUM L.B.R. = 40

ASPHALT PAVEMENT DETAIL (TO BE USED IN CITY R/W)

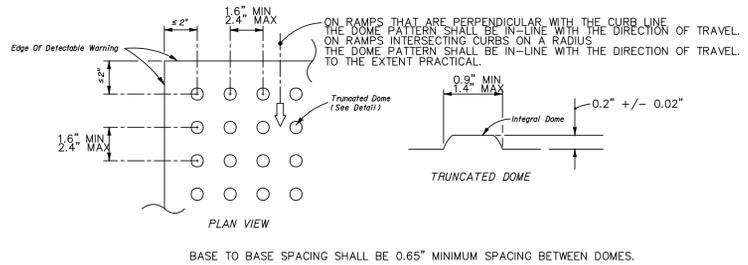
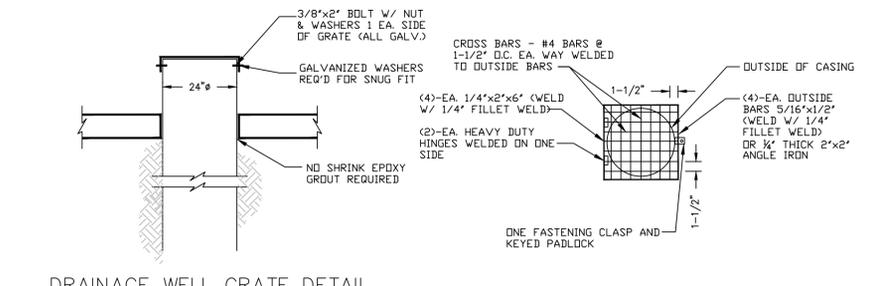


- NOTES:
- SECTION OF A.C.M.P. CUT IN HALF.
 - 1/2" STAINLESS STEEL ANCHOR BOLTS & NUTS
 - WELD OR 2-1/4" THRU BOLTS.
 - BOTTOM OF BAFFLE TO BE MOUNTED AT INVERT OF PIPE.

- NOTES:
- TOP SLAB REINFORCEMENT TO BE #7 BARS @ 6" O.C.E.W. WITH ADDITIONAL #8 BARS AROUND OPENINGS.
 - PLACEMENT OF RING AND COVER ACCESSING EACH CHAMBER SHALL BE AS SHOWN ABOVE. EACH CHAMBER SHALL HAVE U.S.F. RING AND COVER #360
 - TOP SLAB OPENINGS SHALL BE AS REQUIRED BASED UPON INSTALLATION OF RING AND COVER.

CONTROL STRUCTURE AND DRAINAGE WELL #1,2,3 CAGE DETAIL

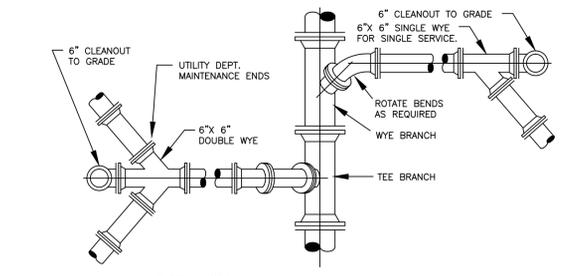
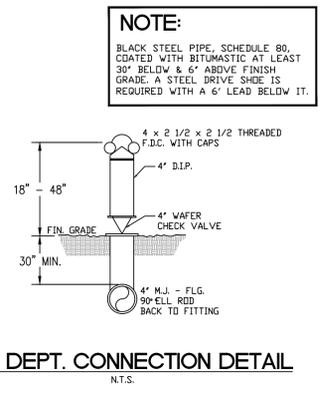
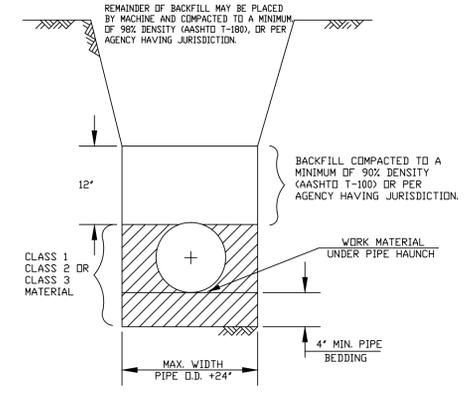
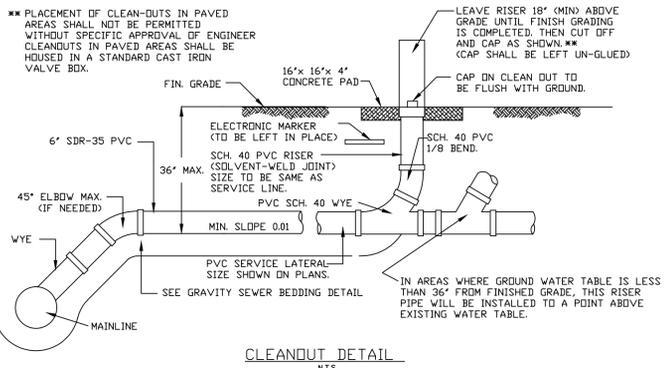
- DRAINAGE WELL NOTES:
- ALL DRAINAGE WELLS SHALL HAVE A MIN. COMBINED CAPACITY OF 800 GPM PER FOOT OF AVAILABLE HEAD.
 - WELL DRILLER SHALL OBTAIN AN FDEP PERMIT AND PROVIDE BCEL/BPD AND THE ENGINEER WITH CERTIFICATION OF CONSTRUCTION COMPLETION & REPORT AS REQUIRED BY PERMIT.
 - GRATE TO BE HOT DIP GALVANIZED AFTER FABRICATION. COST OF GRATE AND NECESSARY MATERIALS AND LABOR TO BE INCLUDED W/ COST OF CASING.
 - THE CERTIFIED WELL DRILLER SHALL DEVELOP THE WELL TO A DEPTH WHERE THE WATER CONTAINS A MIN. OF 10,000 PPM OF TOTAL DISSOLVED SOLIDS AND 1,500 PPM CHLORIDES.
 - CONTRACTOR SHALL PROVIDE A BASE BID FOR THE EXPECTED WELL DEPTH, PROVIDED BY WELL DRILLER, WITH AN ADD/ DUCT FOR EVERY FOOT ABOVE OR BELOW THE BASE BID. THE FINAL WELL DEPTH SHALL BE WITHIN 25% OF THE BASE BID.



CURB RAMP DETECTABLE WARNING

NOTE: FOR PUBLIC CURB RAMP DETAILS REFERENCE F.D.D.T. INDEX NO. 0304, SHEETS 6 TO 6, 2010 INTERIM DESIGN STANDARDS REVISED 01-01-11.

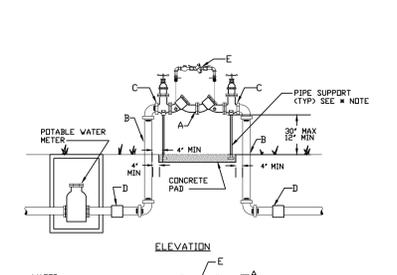
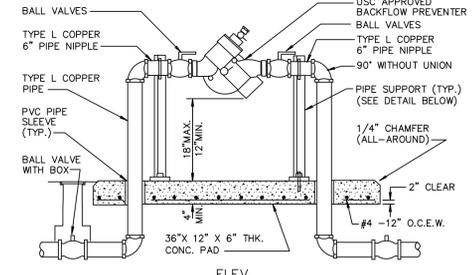
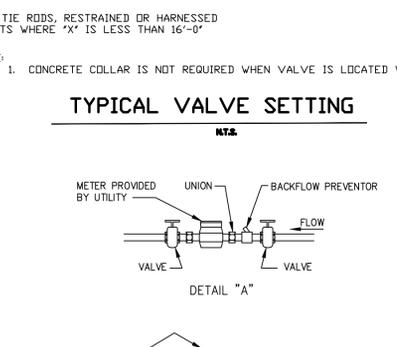
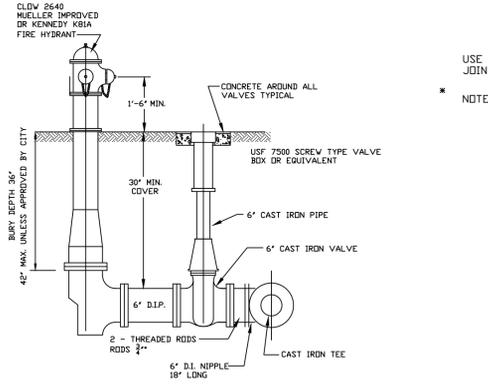
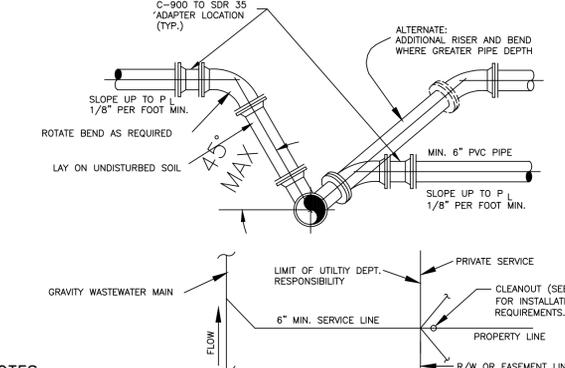
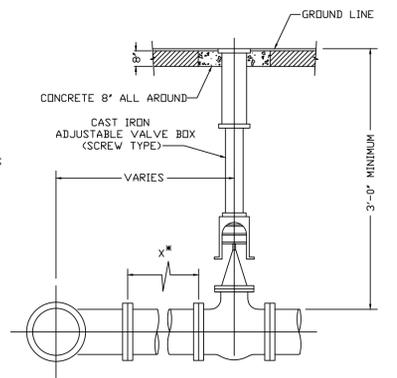
ELEVATIONS SHOWN ON THIS PLAN ARE IN NAVD 88 DATUM



NOTE:
CLASS 1 MATERIAL - ANGULAR GRADED STONE SUCH AS CORAL, CRUSHED STONE, OR CRUSHED SHELLS OR BEDDING ROCK (100% PASSING 1\"/>

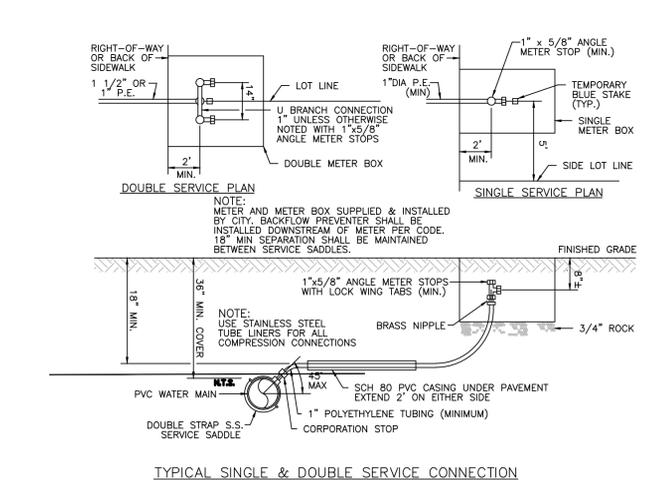
TRENCH SECTION
N.T.S.

PAVEMENT RESTORATION TO BE IN ACCORDANCE WITH FDOT STANDARD INDEX 307 FOR FLEXIBLE PAVEMENT CUT.

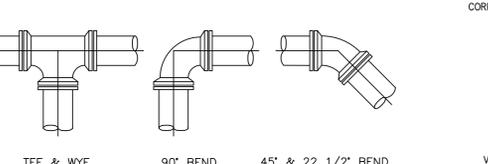


NOTES:
1. SERVICE LATERALS SHALL TERMINATE AT PROPERTY LINE AT A DEPTH OF 3 FEET.
2. CLEANOUT IS TO BE INSTALLED PER DEPARTMENT STANDARDS PRIOR TO WATER METER INSTALLATION. AN INSPECTION OF CONNECTION INTO THE DEPARTMENTS LATERAL IS REQUIRED PRIOR TO WATER METER RELEASE.
3. WASTEWATER MAIN WYE BRANCH TO MATCH MAIN PIPE MATERIAL.
4. NO 90° BENDS SHALL BE USED FOR WASTEWATER SERVICE AND CLEANOUT INSTALLATION.
5. CLEANOUTS DESIGNATING THE END OF THE DEPARTMENT'S MAINTENANCE RESPONSIBILITY SHALL BE LOCATED WITHIN AN UTILITY EASEMENT OR RIGHT-OF-WAY DEDICATED FOR UTILITIES.
6. THE DEVELOPER/PROPERTY OWNER OR ASSIGNEE SHALL BE RESPONSIBLE FOR CLEANOUT INSTALLATION PRIOR TO WATER METER INSTALLATION AS SPECIFIED BY THE DEPARTMENT.

TYPICAL WASTEWATER SERVICE CONNECTION
N.T.S.

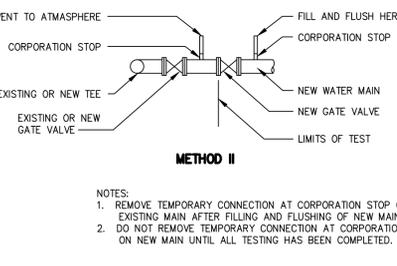
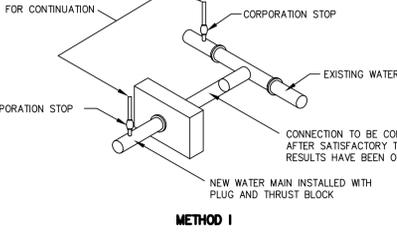


TYPICAL FIRE HYDRANT ASSEMBLY
N.T.S.

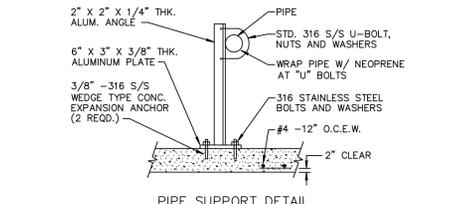


PIPE SIZE	TEE & WYE	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND
6"	27	27	16	9	5
8"	34	34	20	11	6
10"	41	41	24	14	7
12"	48	48	28	16	8
14"	55	55	32	18	10
16"	62	62	35	20	11
18"	69	69	39	22	12
20"	75	75	42	24	13
24"	87	87	49	27	14
30"	104	104	57	31	17
36"	120	120	65	35	19
42"	134	134	72	39	21
48"	147	147	79	42	22
54"	160	160	85	45	24

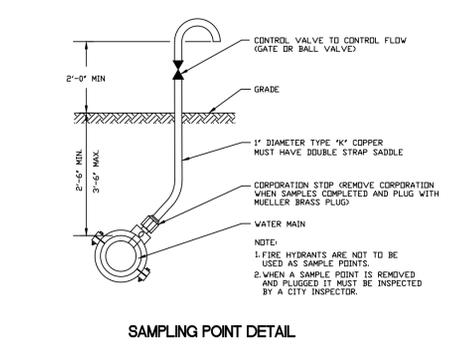
NOTE:
THE FIGURES IN THIS TABLE ARE BASED ON 150 PSI TEST PRESSURE WITH 2.5 FEET OF COVER AND 2000 POUNDS PER SQUARE FOOT SOIL BEARING AGAINST UNDISTURBED TRENCH. A 20% SAFETY FACTOR HAS BEEN ADDED.



FILLING & FLUSHING CONNECTION
N.T.S.



NOTES:
1. ABOVE GRADE PIPING SHALL BE BRASS OR TYPE \"L\" COPPER TUBING.
2. ALL COPPER JOINTS SHALL BE MADE WITH 95/5 SOLDER.



SAMPLING POINT DETAIL
N.T.S.

NOTE:
BACK-FLOW PREVENTION ASSEMBLIES LARGER THAN 2\"/>

DOUBLE CHECK DETECTOR ASSEMBLY AND DOUBLE CHECK BACKFLOW PREVENTER
N.T.S.

NOTES:
1. FIRE HYDRANTS ARE NOT TO BE USED AS SAMPLE POINTS.
2. WHEN A SAMPLE POINT IS REMOVED AND PLUGGED IT MUST BE INSPECTED BY A CITY INSPECTOR.



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www.flynengineering.com
EB# 6578

GENERAL NOTES & SPECIFICATIONS

Sheet Title

HALLANDALE MEDICAL
561 9TH STREET
CITY OF HALLANDALE BEACH, BROWARD COUNTY, FLORIDA 33009

Phase:
DRC
PLANS

Revisions

Scale:	Date:
NTS	02/21/18
Job No.	Plot Date
18-1424.00	03/26/18
Drawn by	Sheet No.
DRS	C6
Proj. Engr.	
DRS	
Apr. by	6 of 6
DRS	

BROWARD COUNTY TRAFFIC ENGINEERING COMMUNICATION NOTES:

ALL PARTIES SHALL BE AWARE THAT DIRECTIONAL BORES, UTILITY CONNECTIONS, THE PLACEMENT OF NOT AND ADVANCE SIGNAGE MAY, BY THEIR PLACEMENT, DAMAGE/DESTROY THE COMMUNICATIONS CABLE/CONDUIT LOCATED INSIDE/OUTSIDE THE PROJECT AREA. ADDITIONALLY, CURB/GUTTER/SIDEWALK REMOVAL/PLACEMENT, RELOCATION OF TREES, LANDSCAPING ACTIVITIES AND IRRIGATION ACTIVITIES ARE POTENTIAL CAUSES FOR DAMAGE TO BCTED'S COMMUNICATIONS CABLE/CONDUIT. ALL PARTIES SHALL EXERCISE EXTREME CAUTION WHEN WORKING IN PROXIMITY TO THE COMMUNICATIONS CABLE/CONDUIT. ANY WORK, INCIDENTAL TO THE PROJECT WHICH DAMAGES OR IMPACTS THE COMMUNICATIONS CABLE/CONDUIT SHALL BE SUBJECT TO THE TERMS AND CONDITIONS AS SPECIFIED WITHIN THE PROJECT'S "COMMUNICATION NOTES" AND BCTED'S "STANDARDS AND SPECIFICATIONS - COMMUNICATION INFRASTRUCTURE" DOCUMENT.

THE AGENCY RESPONSIBLE FOR MAINTENANCE OF THE TRAFFIC SIGNALS AND RELATED EQUIPMENT IS BROWARD COUNTY TRAFFIC ENGINEERING DIVISION (BCTED). ALL SYSTEM COMMUNICATIONS EQUIPMENT, CABLING AND RELATED MATERIAL SHALL COMPLY WITH BROWARD COUNTY'S LATEST EDITION OF MINIMUM STANDARDS AS EXPRESSED IN THE "STANDARDS AND SPECIFICATIONS - COMMUNICATION INFRASTRUCTURE" DOCUMENT. BROWARD COUNTY TRAFFIC ENGINEERING DIVISION WILL NOT ACCEPT ANY PROJECTS THAT DO NOT MEET THESE STANDARDS AND SPECIFICATIONS. FOR A COPY OF THESE STANDARDS REFER TO THE BROWARD COUNTY WEBSITE AT WWW.BROWARD.COUNTY.FL.GOV/CONTACT ROBERT BLOUNT, COMMUNICATIONS MANAGER AT RBLOUNT@BROWARD.GOV.

THE CONTRACTOR SHALL MAINTAIN ONLINE COMMUNICATIONS OF EXISTING OR TEMPORARY SIGNALIZATION VIA INTERCONNECT COMMUNICATIONS CABLE OR TELCO PHONE LINES DURING CONSTRUCTION. CONTRACTOR SHALL PROVIDE TEMPORARY LINES AND CONNECTIONS AS NECESSARY. A TIME-BASED-COORDINATION (TBC) SYSTEM IS TO BE UTILIZED ONLY IF PROVISION OF THE TEMPORARY LINES AND CONNECTIONS AS NECESSARY. A TIME-BASED-COORDINATION (TBC) SYSTEM IS TO BE UTILIZED ONLY IF PROVISION OF THE TEMPORARY LINES IS NOT FEASIBLE. THE DEVELOPMENT AND IMPLEMENTATION OF THE TBC PROGRAM IS TO BE PERFORMED BY THE CONTRACTOR WITH OVERSIGHT BY A TRAFFIC ENGINEER REGISTERED IN THE STATES OF FLORIDA. COST OF MAINTAINING COMMUNICATIONS WITH THE CENTRAL SITE, INCLUDING TEMPORARY LINES AND CONNECTIONS, SHALL BE PAID FOR UNDER THE MAINTENANCE OF TRAFFIC. ALL REPORTED MALFUNCTIONS OF THE COMMUNICATIONS SYSTEM SHALL BE RESPONDED TO BY THE CONTRACTOR WITHIN TWO HOURS AND SHALL BE REPAIRED WITHIN TWENTY-FOUR HOURS.

THE CONTRACTOR SHALL BE AWARE THAT BELL/SOUTH TELEPHONE DROPS AND SYSTEM COMMUNICATIONS INTERCONNECT MAY EXTEND THROUGHOUT THE PROJECT. CABLE RUNS AND/OR CONDUIT, TELEPHONE INTERFACE EQUIPMENT, PULL/JUNCTION BOXES AND ANY OTHER SIGNAL OR OTHER SYSTEMS EQUIPMENT DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. DAMAGED COMMUNICATIONS CABLE SHALL BE REPLACED AS AN ENTIRE RUN, FROM JUNCTION POINT TO JUNCTION POINT AND SHALL BE TERMINATED IN JUNCTION BOXES. THE CONTRACTOR SHALL OBTAIN SYSTEMS COMMUNICATIONS INFORMATION FROM THE APPLICABLE MAINTAINING AGENCY.

ANY MATERIAL FURNISHED FOR THE PURPOSES OF: NEW INSTALLATION, REPLACEMENT OR REPAIR OF THE EXISTING INFRASTRUCTURE SHALL MEET THE STANDARDS AND SPECIFICATIONS OF BCTED; ANY SUPPLIED CONTROLLER CABINET, CONTROLLER, TELEMETRY UNIT, COMMUNICATIONS CABLE, PULL BOX, CONDUIT, TERMINATION DEVICE, JUNCTION BOX AND COMMUNICATION INTERFACE PANEL SHALL COMPLY WITH THE LATEST REQUIREMENTS AS STATED BY BCTED AND SHALL PROVIDE FOR FULL FUNCTIONALITY WITH THE EXISTING BCTED'S UTCS OPERATION.

PROCEDURE FOR NOTIFICATION OF COMMUNICATION DISRUPTION:

WHEN COMMUNICATIONS TO AN INTERSECTION MUST BE DISRUPTED BY A CONTRACTOR TO PERFORM WORK, THE CONTRACTOR SHALL PROVIDE AN ADVANCE TWO-DAY NOTICE IN WRITING TO THE BROWARD COUNTY TRAFFIC ENGINEERING DIVISION. THIS NOTIFICATION SHALL BE CONVEYED VIA ELECTRONIC MAIL (EMAIL) TO THE COMMUNICATIONS MANAGER AT RBLOUNT@BROWARD.GOV. NOTIFICATION SHALL INCLUDE CONTACT PERSON, TELEPHONE NUMBER, PURPOSE, LOCATION AND DURATION. THE DISRUPTION SHALL LAST FOR NO MORE THAN 3 CONSECUTIVE BUSINESS DAYS. WHERE POSSIBLE, THE DISRUPTION SHALL BE AT OFF PEAK HOURS BEGINNING AT 9:00AM AND ENDING AT 3:00PM.

ALL BCTED COMMUNICATIONS CABLE/CONDUIT SHALL BE LOCATED A MINIMUM OF 48 HOURS IN ADVANCE.

18. TESTING

A. ALL PIPE SHALL BE TESTED UNDER A CONSTANT PRESSURE OF 150 PSI (200 PSF FOR FIRE MAINS) FOR A MINIMUM TEST PERIOD OF 2 HOURS AND SHALL NOT EXCEED THE LEAKAGE REQUIREMENTS AS PER ANSI/AWWA SPECIFICATIONS OF C-600-05 LEAKAGE FORMULA

$L = SDP \cdot D \cdot S$
 $L = 148,000$
 $S =$ ALLOWABLE LEAKAGE IN GALLONS PER HOUR
 $D =$ TOTAL LENGTH OF PIPE TESTED, FEET. (2000 MAX. PER TEST)
 $S =$ DIAMETER OF THE PIPE TESTED, INCHES.
 $P =$ AVERAGE TEST PRESSURE, PSI

THE PRESSURE TEST SHALL BE WITNESSED BY A REPRESENTATIVE OF THE CITY AND THE ENGINEER OF RECORD. PRESSURE DROP OF MORE THAN 5 PSI IS NOT ALLOWED. MAXIMUM LENGTH OF TEST PIPE SECTION SHALL BE 2,000 FEET.

B. DISINFECTION OF ALL WATER LINES SHALL COMPLY WITH ANSI/AWWA C-601-05 BACTERIOLOGICAL SAMPLING POINTS ARE SHOWN ON THE WATER MAIN SEWER PLAN. A GROUNDING RESISTANCE OF 3 TO 1.5 PPM SHALL BE MAINTAINED. ALL STERILIZATION SHALL BE AT THE FULL EXPENSE OF THE CONTRACTOR. BACTERIOLOGICAL SAMPLES MUST BE APPROVED BY THE COUNTY PUBLIC HEALTH UNIT AND THE CITY PRIOR TO OPERATION OF THE SYSTEM.

16. ALL PVC PIPE SHALL BE INSTALLED WITH METALLIC COLOR TAPE 18" ABOVE THE TOP OF PIPE.

17. BACK FLOW PREVENTORS MUST BE APPROVED BY THE CITY AS TO TYPE AND LOCATION PRIOR TO INSTALLATION.

18. ALL WATER MAIN PIPE, INCLUDING FITTINGS, INSTALLED ON OR AFTER AUGUST 28, 2003, EXCEPT PIPE INSTALLED UNDER A CONSTRUCTION SIGNALIZATION WHICH HEALTH DEPARTMENT RECEIVED A COMPLETE APPLICATION BEFORE AUGUST 28, 2003, SHALL BE COLOR CODED OR MARKED USING BLUE AS FOLLOWS: (COLOR CODING OF DIFFERENT DRINKING WATER FROM RECLAIMED OR OTHER WATER, UNDERGROUND PLASTIC PIPE SHALL BE SUBTILWALL BLUE PIPE, SHALL HAVE A CONTRASTED BLUE EXTERIOR SURFACE, DRIP OR BLACK PIPE WITH BLUE STRIPES INCORPORATED INTO, OR APPLIED TO, THE PIPE WALL AND UNDERGROUND TIE OR CONCRETE PIPE SHALL HAVE BLUE STRIPES APPLIED TO WALL PIPE. PIPE STRIPED DURING MANUFACTURING OF THE PIPE SHALL HAVE CONTINUOUS STRIPES THAT RUN PARALLEL TO THE AXIS OF THE PIPE. TIE ARE LOCATED AT NO GREATER THAN 90-DEGREE INTERVALS AROUND THE PIPE AND THAT WILL REMAIN INTACT DURING AND AFTER INSTALLATION OF THE PIPE. IF TAPE OR PAINT IS USED TO STRIPE PIPE DURING INSTALLATION OF THE PIPE, THE TAPE OR PAINT SHALL BE APPLIED IN THE MANNER AND TO THE DIAMETER OF 24 INCHES OR GREATER, TAPE OR PAINT SHALL BE APPLIED IN CONTINUOUS LINES ALONG EACH SIDE OF THE PIPE AS WELL AS ALONG THE TOP OF THE PIPE. ABOVEGROUND PIPE AT DRINKING WATER TREATMENT PLANTS SHALL BE COLOR CODED AND LABELED IN ACCORDANCE WITH SUBSECTION 6E-955, SECTION 10, F.A.C. AND ALL OTHER ABOVEGROUND PIPE SHALL BE PAINTED BLUE OR SHALL BE COLOR CODED OR MARKED LIKE UNDERGROUND PIPE. SUBSECTION 6E-955, SECTION 10, F.A.C. RECOMMENDS THAT ALL PIPES AT DRINKING WATER TREATMENT PLANTS, ALL NEW OR ALTERED, ABOVEGROUND PIPING AT DRINKING WATER TREATMENT PLANTS SHALL BE COLOR CODED AND LABELED AS RECOMMENDED IN SECTION 2.14 OF RECOMMENDED STANDARDS FOR WATER WORKS AS SET FORTH IN THE 2003 EDITION OF THE AWWA M200. ALL UNDERGROUND WATER MAIN PIPE THAT IS INSTALLED AT DRINKING WATER TREATMENT PLANTS ON OR AFTER AUGUST 28, 2003, AND THAT IS CONVEYING FINISHED DRINKING WATER SHALL BE COLOR CODED AS REQUIRED UNDER SUBPARAGRAPH 6E-955, 30C(21)(B)9.3, F.A.C.

19. ALL UNDERGROUND WATER MAIN PIPE SHALL BE INSTALLED AT DRINKING WATER TREATMENT PLANTS ON OR AFTER AUGUST 28, 2003, AND THAT IS CONVEYING FINISHED DRINKING WATER SHALL BE COLOR CODED AS REQUIRED UNDER SUBPARAGRAPH 6E-955, 30C(21)(B)9.3, F.A.C. ALL UNDERGROUND WATER MAIN PIPE THAT IS INSTALLED AT DRINKING WATER TREATMENT PLANTS ON OR AFTER AUGUST 28, 2003, AND THAT IS CONVEYING FINISHED DRINKING WATER SHALL BE COLOR CODED AS REQUIRED UNDER SUBPARAGRAPH 6E-955, 30C(21)(B)9.3, F.A.C. ALL UNDERGROUND WATER MAIN PIPE THAT IS INSTALLED AT DRINKING WATER TREATMENT PLANTS ON OR AFTER AUGUST 28, 2003, AND THAT IS CONVEYING FINISHED DRINKING WATER SHALL BE COLOR CODED AS REQUIRED UNDER SUBPARAGRAPH 6E-955, 30C(21)(B)9.3, F.A.C.

20. ALL UNDERGROUND WATER MAIN PIPE THAT IS INSTALLED AT DRINKING WATER TREATMENT PLANTS ON OR AFTER AUGUST 28, 2003, AND THAT IS CONVEYING FINISHED DRINKING WATER SHALL BE COLOR CODED AS REQUIRED UNDER SUBPARAGRAPH 6E-955, 30C(21)(B)9.3, F.A.C.

111. SPECIFIC SITE NOTES

A. GENERAL
 1. 'CITY' IN THESE NOTES REFERS TO THE CITY OF HALLANDALE BEACH.
 2. 'COUNTY' IN THESE NOTES REFERS TO BROWARD COUNTY.
 3. 'STATE' IN THESE NOTES REFERS TO THE STATE OF FLORIDA.

1111. INTENT OF DRAWINGS & SPECIFICATIONS

1. INTENT OF SPECIFICATIONS AND DRAWINGS IS TO GIVE AN INSTALLATION COMPLETE IN EVERY ASPECT. IT IS NOT INTENDED TO COVER EVERY DETAIL IN DRAWINGS AND SPECIFICATIONS. OWNER WILL NOT BE RESPONSIBLE FOR THE ABSENCE OF ANY DETAIL WHICH CONTRACTOR MAY REQUIRE, NOR FOR ANY SPECIAL CONSTRUCTION WHICH MAY BE FOUND NECESSARY AS WORK PROGRESSES. IF AN ITEM IS EITHER INDICATED OR SPECIFIED, IT SHALL BE CONSIDERED SUFFICIENT FOR INCLUSION OF SAID ITEM IN CONTRACT. CONTRACTOR SHALL FURNISH AND INSTALL MATERIALS AND EQUIPMENT USUALLY FURNISHED WITH SUCH SYSTEMS, AND AS NECESSARY TO COMPLETE AN OPERATING INSTALLATION, WHETHER MENTIONED OR NOT, WHICH ARE CUSTOMARY TO ITS TRADE.

2. INCIDENTAL ACCESSORIES NOT USUALLY SHOWN OR SPECIFIED BUT WHICH ARE NECESSARY FOR THE PROPER INSTALLATION AND OPERATION SHALL BE INCLUDED IN WORK WITHOUT ADDITIONAL COST TO THE OWNER, THE SAME AS IF HERIN SPECIFIED.

3. ANY APPARATUS, APPLIANCE, MATERIAL OR WORK NOT SHOWN BUT MENTIONED IN THE SPECIFICATIONS, OR VICE-VERSA, OR ANY INCIDENTAL ACCESSORIES NECESSARY TO MAKE THE WORK COMPLETE AND READY FOR OPERATION, SHALL BE FURNISHED, DELIVERED AND INSTALLED BY THE CONTRACTOR, WITHOUT ADDITIONAL COST TO THE OWNER.

4. DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INDICATED ON THE DRAWINGS. CONSULT THE ENGINEER FOR EXACT LOCATIONS OF ITEMS WHICH ARE NOT DEFINITELY LOCATED IN THE DRAWINGS.

5. ENGINEER'S INTERPRETATION OF DRAWINGS AND SPECIFICATIONS SHALL BE FINAL AND BINDING UPON CONTRACTOR.

6. CONTRACTOR SHALL VISIT SITE PRIOR TO SUBMITTING BID, AND THOROUGHLY INVESTIGATE AND VERIFY ALL CONDITIONS UNDER WHICH WORK SHALL BE PERFORMED.

7. IF A DISCREPANCY OCCURS BETWEEN A DETAIL, PLAN OR SPECIFICATIONS, THE MOST RESTRICTIVE DETAIL TAKES PRECEDENCE & SHALL BE IMPLEMENTED IN THE CONSTRUCTED PROJECT.

F. SIGNAGE AND PAVEMENT MARKINGS

1. THE ROADS AND PARKING AREAS SHALL BE STRIPED IN ACCORDANCE WITH THE PLANS. NO STRIPE SHALL BE LESS THAN THE SPECIFIED WIDTH NOR SHALL IT EXCEED THE SPECIFIED WIDTH BY MORE THAN 1/2 INCH. STRIPING SHALL BE IN ACCORDANCE WITH SECTIONS 710 AND 871 OF THE STANDARD SPECIFICATIONS. ALL STRIPING WITHIN THE PUBLIC RIGHT-OF-WAY AND AT PAVEMENT ACCESS POINTS SHALL BE THERMOPLASTIC IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

2. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL AND MAINTAIN ADEQUATE TRAFFIC CONTROL DEVICES, WARNING DEVICES AND BARRIERS FOR THE PURPOSE OF PROTECTING THE PUBLIC FROM THE WORKMEN AND THE WORK AREA IN GENERAL. SUCH TRAFFIC CONTROL SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT PERIOD, INCLUDING ANY TEMPORARY SUSPENSIONS OF THE WORK. MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH SECTION 102 OF THE STANDARD SPECIFICATIONS AND THE STATE OF FLORIDA MANUAL OF TRAFFIC CONTROL AND SAFE PRACTICES FOR STREET AND HIGHWAY CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS.

3. ALL PAVEMENT MARKINGS ON-SITE SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.

4. ALL SIGNING AND MARKINGS SHALL CONFORM TO MUTCD AND BROWARD COUNTY TRAFFIC ENGINEERING STANDARDS (LATEST EDITION).

6. SEWER SYSTEM NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE LOCAL UTILITY DEPARTMENT MINIMUM STANDARDS AND APPLICABLE CODES.

2. THE CONTRACTOR SHALL FIELD VERIFY THE VERTICAL AND HORIZONTAL LOCATION OF EXISTING SEWER LINES, MANHOLES, AND STUBOUTS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF THE FIELD INFORMATION DIFFERS FROM THAT SHOWN ON THE PLANS.

3. ALL GROUND ADJACENT TO ROADWAY/PAVEMENT HAVING RUNOFF SHALL BE GRADED (2) TWO INCHES LOWER THAN THE EDGE OF PAVEMENT TO THE PLUMBING CENTERLINE OF THE PIPE.

4. THE CONTRACTOR SHALL PERFORM ALL EXCAVATION, FILL, EMBANKMENT AND GRADING TO ACHIEVE THE PROPOSED PLAN, GRADES INCLUDING THE EXISTING FINISHED SURFACE AND EXISTING CANON SECTIONS. ALL WORK SHALL BE IN ACCORDANCE WITH SECTION 102 OF THE STANDARD SPECIFICATIONS FOR THIS PROJECT. IF WITHIN A PARTICULAR SECTION, ANOTHER SECTION, ARTICLE OR PARAGRAPH IS REFERRED TO, IT SHALL BE PART OF THE STANDARD SPECIFICATIONS. ALSO, THE CONTRACTOR SHALL ABIDE BY ALL LOCAL AND STATE LAWS, REGULATIONS AND BUILDING CODES WHICH HAVE JURISDICTION IN THE AREA.

5. ALL LABOR, MATERIALS, AND METHODS OF CONSTRUCTION SHALL BE STRICTLY IN ACCORDANCE WITH THE PLANS AND CONSTRUCTION SPECIFICATIONS AND THE MINIMUM ENGINEERING AND CONSTRUCTION STANDARDS ADOPTED BY THE UNIT OF GOVERNMENT WHICH HAS JURISDICTION AND RESPONSIBILITY FOR THE CONSTRUCTION, WHERE CONFLICTS OR OMISSIONS EXIST, THE JURISDICTIONAL GOVERNMENT ENGINEERING DEPARTMENT STANDARDS SHALL PRECEDE, SUBSTITUTIONS AND DEVIATIONS FROM PLANS AND SPECIFICATIONS SHALL BE PERMITTED ONLY WHEN WRITTEN APPROVAL HAS BEEN ISSUED BY THE ENGINEER.

6. GUARANTEE - ALL MATERIALS AND EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR UNDER THIS CONTRACT, SHALL BE GUARANTEED FOR A PERIOD OF (1) ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE THEREOF, AGAINST DEFECTIVE MATERIALS, DESIGN AND WORKMANSHIP. UPON RECEIPT OF NOTICE FROM THE OWNER OF FAILURE OF ANY PART OF THE GUARANTEED EQUIPMENT OR MATERIALS, DURING THE GUARANTEE PERIOD, THE AFFECTED PART OR MATERIALS SHALL BE REPLACED PROMPTLY WITH NEW PARTS OR MATERIALS BY THE CONTRACTOR, AT NO EXPENSE TO THE OWNER. IN THE EVENT THE CONTRACTOR FAILS TO MAKE NECESSARY REPLACEMENT OR REPAIRS WITHIN (7) SEVEN DAYS AFTER NOTIFICATION BY THE OWNER, THE OWNER MAY ACCOMPLISH THE WORK AT THE EXPENSE OF THE CONTRACTOR.

7. GATE VALVES, 4" OR LARGER, SHALL MEET AWWA C-509-01 STANDARD. BUTTERFLY VALVES 6" OR LARGER, SHALL MEET AWWA C-504-00, CLASS 150B STANDARDS.

8. FIRE HYDRANTS SHALL BE TRAFFIC BREAK AWAY TYPE CONFORMING TO AWWA C-502-94 STANDARDS. FIRE HYDRANTS SHALL BE MUELLER MODEL A-423 OR CLDW MODEL 2546-5B.

9. ALL TRENCHING, PIPE LAYING, BACKFILLING, PRESSURE TESTING, AND DISINFECTION MUST COMPLY WITH AWWA C-600-99 AND C-651-99 STANDARDS.

10. DEFLECT WATER MAINS AS NECESSARY TO AVOID ANY CONFLICTS WITH OTHER UTILITIES. ALLOWABLE DEFLECTION SHALL NOT EXCEED AWWA STANDARDS.

11. THE CONTRACTOR SHALL COORDINATE THE LOCATION AND ELEVATION OF THE ENDS OF THE WATER SERVICES WITH THE BUILDING PLUMBING CONTRACTOR.

12. CONTRACTOR SHALL FIELD VERIFY LOCATION OF EXISTING WATER MAINS AND PROPOSED CONNECTION POINTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF THE FIELD INFORMATION DIFFERS FROM THAT SHOWN ON THE PLANS.

13. ALL WATER MAINS TO BE FLUSHED VIA POLY PIG.

14. THE CONTRACTOR MUST ARRANGE AND PAY FOR ANY TEMPORARY WATER REQUIRED FOR CONSTRUCTION, CLEANING, TESTING, ETC.

1. PAVING

1. ALL AREAS WITHIN THE LIMITS OF WORK SHALL BE CLEARED AND GRUBBED PRIOR TO CONSTRUCTION. THIS SHALL CONSIST OF THE REMOVAL AND DISPOSAL OF ALL TREES, BRUSH, STUMPS, ROOTS, GRASS, WEEDS, RUBBISH AND ALL OTHER OBSTRUCTIONS RESTING ON OR PROTRUDING THROUGH THE SURFACE OF THE EXISTING GROUND TO A DEPTH OF 1'. ITEMS DESIGNATED TO REMAIN OR TO BE RELOCATED OR TO BE ADJUSTED SHALL BE SO DESIGNATED ON THE STANDARD SPECIFICATIONS.

2. FILL MATERIAL SHALL BE CLASSIFIED AS A-1, A-3, OR A-2-4 IN ACCORDANCE WITH AASHTO M-145 AND SHALL BE FREE FROM THE FOLLOWING: (1) MORE THAN 1% BY WEIGHT OF MATERIALS FINER THAN NO. 200 SIEVE.

3. ALL MATERIAL OF CONSTRUCTION SHALL BE SUBJECT TO INSPECTION AND TESTING TO ESTABLISH CONFORMANCE WITH THE SPECIFICATIONS. ANY AND ALL CONFLICTS OR DISCREPANCIES OF EXISTING UTILITIES WITH PROPOSED IMPROVEMENTS OF CONSTRUCTION SHALL BE RESOLVED BY THE ENGINEER PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF EXISTING UTILITIES SHOWN OR FOR ANY EXISTING UTILITIES NOT SHOWN.

4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES IF APPLICABLE: FLORIDA POWER AND LIGHT COMPANY/SOUTH BELL-LOCAL GAS COMPANY-LOCAL WATER AND SEWER UTILITY COMPANY(S)-LOCAL CITY ENGINEERING DEPARTMENT-FLORIDA DEPARTMENT OF TRANSPORTATION-SUNSHINE STATE ONE CALL OF FLORIDA-(1-800-432-4772) FOR EXCAVATION OR CLOSING-FIRE DISPATCH-FIRE DISPATCH

5. WHEN ENCOUNTERED WITHIN DRAINAGE SWALES, HARDPAN OR MUCK SHALL BE REMOVED FOR A WIDTH OF (3) FIVE FEET AT THE INVERT AND REPLACED WITH GRANULAR MATERIALS.

6. ALL UNDERGROUND UTILITIES AND DRAINAGE INSTALLATIONS SHALL BE ALLOWED TO REMAIN AND SHALL BE PROTECTED AND MAINTAINED THROUGHOUT CONSTRUCTION.

7. GROUND ADJACENT TO ROADWAY/PAVEMENT HAVING RUNOFF SHALL BE GRADED (2) TWO INCHES LOWER THAN THE EDGE OF PAVEMENT TO THE PLUMBING CENTERLINE OF THE PIPE.

8. SITE GRADING ELEVATIONS SHALL BE WITHIN 0.1' OF THE REQUIRED ELEVATION AND ALL AREAS SHALL BE GRADED TO DRAIN WITHOUT PONDING.

9. THE CONTRACTOR SHALL PERFORM ALL EXCAVATION, FILL, EMBANKMENT AND GRADING TO ACHIEVE THE PROPOSED PLAN, GRADES INCLUDING THE EXISTING FINISHED SURFACE AND EXISTING CANON SECTIONS. ALL WORK SHALL BE IN ACCORDANCE WITH SECTION 102 OF THE STANDARD SPECIFICATIONS FOR THIS PROJECT. IF WITHIN A PARTICULAR SECTION, ANOTHER SECTION, ARTICLE OR PARAGRAPH IS REFERRED TO, IT SHALL BE PART OF THE STANDARD SPECIFICATIONS. ALSO, THE CONTRACTOR SHALL ABIDE BY ALL LOCAL AND STATE LAWS, REGULATIONS AND BUILDING CODES WHICH HAVE JURISDICTION IN THE AREA.

10. ALL LABOR, MATERIALS, AND METHODS OF CONSTRUCTION SHALL BE STRICTLY IN ACCORDANCE WITH THE PLANS AND CONSTRUCTION SPECIFICATIONS AND THE MINIMUM ENGINEERING AND CONSTRUCTION STANDARDS ADOPTED BY THE UNIT OF GOVERNMENT WHICH HAS JURISDICTION AND RESPONSIBILITY FOR THE CONSTRUCTION, WHERE CONFLICTS OR OMISSIONS EXIST, THE JURISDICTIONAL GOVERNMENT ENGINEERING DEPARTMENT STANDARDS SHALL PRECEDE, SUBSTITUTIONS AND DEVIATIONS FROM PLANS AND SPECIFICATIONS SHALL BE PERMITTED ONLY WHEN WRITTEN APPROVAL HAS BEEN ISSUED BY THE ENGINEER.

11. GUARANTEE - ALL MATERIALS AND EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR UNDER THIS CONTRACT, SHALL BE GUARANTEED FOR A PERIOD OF (1) ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE THEREOF, AGAINST DEFECTIVE MATERIALS, DESIGN AND WORKMANSHIP. UPON RECEIPT OF NOTICE FROM THE OWNER OF FAILURE OF ANY PART OF THE GUARANTEED EQUIPMENT OR MATERIALS, DURING THE GUARANTEE PERIOD, THE AFFECTED PART OR MATERIALS SHALL BE REPLACED PROMPTLY WITH NEW PARTS OR MATERIALS BY THE CONTRACTOR, AT NO EXPENSE TO THE OWNER. IN THE EVENT THE CONTRACTOR FAILS TO MAKE NECESSARY REPLACEMENT OR REPAIRS WITHIN (7) SEVEN DAYS AFTER NOTIFICATION BY THE OWNER, THE OWNER MAY ACCOMPLISH THE WORK AT THE EXPENSE OF THE CONTRACTOR.

K. SURVEY INFORMATION

1. SURVEY DATA - ALL ELEVATIONS ON THE PLANS OR REFERENCED IN THE SPECIFICATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 83).

2. SURVEY INFORMATION BASED ON TARGET SURVEYING, LLC DATED 08/01/17.

11. CONSTRUCTION SPECIFICATIONS

A. GENERAL

1. IT IS THE INTENT OF THESE SPECIFICATIONS TO DESCRIBE THE MINIMUM ACCEPTABLE TECHNICAL REQUIREMENTS FOR THE MATERIALS AND WORKMANSHIP FOR CONSTRUCTION OF SITE IMPROVEMENTS FOR THIS PROJECT. SUCH IMPROVEMENTS SHALL GENERALLY INCLUDE, BUT NOT TO BE LIMITED TO, CLEARING, GRADING, PAVING, REMOVAL OF EXISTING PAVEMENT, AND STORM DRAINAGE.

2. IT IS THE INTENT THAT THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2007 TOGETHER WITH SUPPLEMENTAL SPECIFICATIONS TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION BE USED WHERE SUCH APPLICABLE FOR THE VARIOUS WORKS, AND THAT WHERE SUCH WORDING IS INTENDED TO BE REPLACED WITH THE WORDING WHICH WOULD PROVIDE PROPER TERMINOLOGY; THEREBY MAKING SUCH STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS THE STANDARD SPECIFICATIONS FOR THIS PROJECT. IF WITHIN A PARTICULAR SECTION, ANOTHER SECTION, ARTICLE OR PARAGRAPH IS REFERRED TO, IT SHALL BE PART OF THE STANDARD SPECIFICATIONS. ALSO, THE CONTRACTOR SHALL ABIDE BY ALL LOCAL AND STATE LAWS, REGULATIONS AND BUILDING CODES WHICH HAVE JURISDICTION IN THE AREA.

3. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT AND PERFORM ALL OPERATIONS REQUIRED TO COMPLETE THE CONSTRUCTION OF A PAVING, DRAINAGE, WATER AND SEWER SYSTEM AS SHOWN ON THE PLANS, SPECIFIED HEREIN, OR BOTH. IT IS THE INTENT TO PROVIDE A COMPLETE AND OPERATING FACILITY IN ACCORDANCE WITH THESE SPECIFICATIONS AND THE CONSTRUCTION DRAWINGS. THE MATERIAL AND EQUIPMENT SHOWN OR SPECIFIED SHALL NOT BE TAKEN TO EXCLUDE ANY OTHER INCIDENTALS NECESSARY TO COMPLETE THE WORK.

4. ALL LABOR, MATERIALS, AND METHODS OF CONSTRUCTION SHALL BE STRICTLY IN ACCORDANCE WITH THE PLANS AND CONSTRUCTION SPECIFICATIONS AND THE MINIMUM ENGINEERING AND CONSTRUCTION STANDARDS ADOPTED BY THE UNIT OF GOVERNMENT WHICH HAS JURISDICTION AND RESPONSIBILITY FOR THE CONSTRUCTION, WHERE CONFLICTS OR OMISSIONS EXIST, THE JURISDICTIONAL GOVERNMENT ENGINEERING DEPARTMENT STANDARDS SHALL PRECEDE, SUBSTITUTIONS AND DEVIATIONS FROM PLANS AND SPECIFICATIONS SHALL BE PERMITTED ONLY WHEN WRITTEN APPROVAL HAS BEEN ISSUED BY THE ENGINEER.

5. GUARANTEE - ALL MATERIALS AND EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR UNDER THIS CONTRACT, SHALL BE GUARANTEED FOR A PERIOD OF (1) ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE THEREOF, AGAINST DEFECTIVE MATERIALS, DESIGN AND WORKMANSHIP. UPON RECEIPT OF NOTICE FROM THE OWNER OF FAILURE OF ANY PART OF THE GUARANTEED EQUIPMENT OR MATERIALS, DURING THE GUARANTEE PERIOD, THE AFFECTED PART OR MATERIALS SHALL BE REPLACED PROMPTLY WITH NEW PARTS OR MATERIALS BY THE CONTRACTOR, AT NO EXPENSE TO THE OWNER. IN THE EVENT THE CONTRACTOR FAILS TO MAKE NECESSARY REPLACEMENT OR REPAIRS WITHIN (7) SEVEN DAYS AFTER NOTIFICATION BY THE OWNER, THE OWNER MAY ACCOMPLISH THE WORK AT THE EXPENSE OF THE CONTRACTOR.

B. EARTHWORK

1. NONE OF THE EXISTING MATERIAL IS TO BE INCORPORATED IN THE LIMEROCK BASE.

2. ALL SUBGRADE UNDER PAVED AREAS SHALL HAVE A MINIMUM LBR VALUE OF 40 AND SHALL BE COMPACTED TO 98% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.

3. ALL FILL MATERIAL IN AREAS NOT TO BE PAVED SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-99.

4. ALL ORGANIC AND OTHER UNSUITABLE MATERIAL WITHIN WORK LIMITS AND SWALE AREAS SHALL BE REMOVED.

1. GENERAL NOTES

A. APPLICABLE CODES

1. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE CITY, COUNTY AND STATE.

2. CONSTRUCTION SAFETY - ALL CONSTRUCTION SHALL BE DONE IN A SAFE MANNER, SPECIFICALLY, THE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SHALL BE STRICTLY OBSERVED.

3. THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH CHAPTER 90-26, THE LAWS OF FLORIDA (THE TRENCH SAFETY ACT) AND OSHA STANDARD 29 C.F.R. SECTION 1926.650 SUBPART P. THE CONTRACTOR SHALL SUBMIT WITH HIS CONTRACT A COMPLETED, SIGNED AND NOTARIZED COPY OF THE TRENCH SAFETY ACT COMPLIANCE STATEMENT. THE CONTRACTOR SHALL ALSO SUBMIT A SEPARATE COST ITEM IDENTIFYING THE COST OF COMPLIANCE WITH THE APPLICABLE TRENCH SAFETY CODES.

4. NO CONSTRUCTION MAY COMMENCE UNTIL THE APPROPRIATE PERMITS HAVE BEEN OBTAINED FROM ALL LOCAL, STATE AND FEDERAL AGENCIES.

B. PRECONSTRUCTION RESPONSIBILITIES

1. UPON RECEIPT OF NOTICE OF AWARD, THE CONTRACTOR SHALL ARRANGE A PRECONSTRUCTION CONFERENCE TO INCLUDE ALL INVOLVED GOVERNMENTAL AGENCIES, ALL AFFECTED UTILITY OWNERS, THE OWNER, THE ENGINEER AND HIMSELF.

2. THE CONTRACTOR SHALL OBTAIN AN SUNSHINE STATE ONE CALL OF FLORIDA CERTIFICATION NUMBER AT LEAST 48 HOURS PRIOR TO PRIOR TO BEGINNING ANY EXCAVATION.

3. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE SIZE, LOCATION AND MATERIAL OF ALL EXISTING UTILITIES WITHIN THE AREA OF CONSTRUCTION.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ANY EXISTING UTILITIES FOR WHICH HE FAILS TO REQUEST LOCATIONS FROM THE UTILITY OWNER. HE IS RESPONSIBLE AS WELL FOR DAMAGE TO ANY EXISTING UTILITIES WHICH ARE PROPERLY SEPARATED FROM IDENTIFYING THE LOCATION OF UTILITIES.

5. IF UPON EXCAVATION, AN EXISTING UTILITY IS FOUND TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION OR TO BE OF A SIZE OR MATERIAL DIFFERENT FROM THAT SHOWN ON THE PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.

C. INSPECTIONS

1. THE OWNER, ENGINEER, AND LOCAL PERMITTING AGENCIES MAY MAKE INSPECTIONS OF THE WORK AT ANY TIME. THE CONTRACTOR SHALL COOPERATE FULLY WITH ALL INSPECTIONS.

D. SHOP DRAWINGS

1. THE CONTRACTOR SHALL SUBMIT (5) FIVE SETS OF SHOP DRAWINGS FOR APPROVAL TO THE ENGINEER OF RECORD PRIOR TO FABRICATION OF CONSTRUCTION MATERIALS USED ON THE PROJECT. APPROVED SHOP DRAWINGS FROM THE ENGINEER SHALL THEN BE SUBMITTED BY THE CONTRACTOR TO THE COUNTY OR CITY FOR THEIR APPROVAL. NO CONSTRUCTION SHALL COMMENCE UNTIL THE APPROVED SHOP DRAWINGS HAVE BEEN OBTAINED BY THE CONTRACTOR FROM THE ENGINEER, CITY, AND COUNTY.

2. INDIVIDUAL SHOP DRAWINGS OR PRECAST STRUCTURES ARE REQUIRED. CATALOG LITERATURE WILL NOT BE ACCEPTED FOR PRECAST STRUCTURES.

3. TEMPORARY UTILITIES - IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR OR SUPPLY TEMPORARY WATER SERVICES, SANITARY FACILITIES, AND ELECTRICITY TO HIS EMPLOYEES AND SUBCONTRACTORS FOR THEIR USE DURING CONSTRUCTION.

4. TRAFFIC REGULATION - MAINTENANCE OF TRAFFIC IN THE PUBLIC RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE MUTCD AND THE FDOT STANDARD SPECIFICATIONS.

5. ALL OPEN TRENCHES AND HOLES ADJACENT TO ROADWAYS OR WALKWAYS, SHALL BE PROPERLY MARKED AND BARRICADED TO ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC. NO HOLES SHALL BE LEFT OPEN OVERNIGHT.

F. PRODUCT SITE

1. DURING CONSTRUCTION THE PROJECT SITE AND ALL ADJACENT AREAS SHALL BE MAINTAINED IN A NEAT AND CLEAN MANNER. UPON FINAL CLEAN UP, THE CONTRACTOR SHALL REMOVE ALL EXCESS SURPLUS MATERIAL OR TRASH. THE PAVED AREAS SHALL BE SWEEP BROOM CLEAN.

2. THE CONTRACTOR SHALL RESTORE OR REPLACE, WHEN AND AS DIRECTED BY THE ENGINEER ANY PUBLIC OR PRIVATE PROPERTY DAMAGED BY HIS WORK, EQUIPMENT, EMPLOYEES OR THOSE OF HIS SUBCONTRACTORS TO A CONDITION AT LEAST EQUAL TO THAT EXISTING IMMEDIATELY PRIOR TO THE BEGINNING OF OPERATIONS. TO THIS END, THE CONTRACTOR SHALL DO AS REQUIRED ALL NECESSARY HIGHWAY OR DRIVEWAY, WALK, AND LANDSCAPING WORK, SUITABLE MATERIALS AND METHODS SHALL BE USED FOR SUCH RESTORATION.

3. WHERE MATERIAL OR DEBRIS HAS WASHED OR FLOWED INTO OR BEEN PLACED IN WATER COURSES, DITCHES, DRAINS, CATCH BASINS, OR ELSEWHERE AS A RESULT OF THE CONTRACTOR'S OPERATIONS, SUCH MATERIAL OR DEBRIS SHALL BE REMOVED AND SATISFACTORILY DISPOSED DURING THE COURSE OF THE WORK, AND THE AREA KEPT IN A CLEAN AND NEAT CONDITION.

G. PROJECT RECORD DOCUMENTS

1. THE CONTRACTOR SHALL MAINTAIN ACCURATE AND COMPLETE RECORDS OF WORK ITEMS COMPLETED, INFORMATION RELATIVE TO MANHOLES, VALVES, SERVICES, FITTINGS, LENGTH OF PIPE, INVERT ELEVATIONS, FINISHED GRADE ELEVATIONS AND THE LIKE. THESE SHALL BE ACCURATELY RECORDED BY THE CONTRACTOR. TOP ELEVATIONS @ 100' O.C.

2. PRIOR TO THE PLACEMENT OF ANY ASPHALT OR CONCRETE PAVEMENT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER OF RECORD "AS-BUILT" PLANS SHOWING LIMEROCK BASE GRADES, ALL DRAINAGE, WATER, AND SEWER IMPROVEMENTS, PAVING OPERATIONS SHALL NOT COMMENCE UNTIL THE ENGINEER HAS REVIEWED THE "AS-BUILT" AND THE ENGINEER HAS APPROVED PAVING TO COMMENCE.

3. ALL REQUIRED DENSITY AND LBR TEST RESULTS FOR SUBGRADE SHALL BE PROVIDED TO THE ENGINEER PRIOR TO PLACING LIMEROCK BASE MATERIAL.

4. ALL REQUIRED DENSITY AND LBR TEST RESULTS FOR LIMEROCK SHALL BE PROVIDED TO THE ENGINEER PRIOR TO PLACING ASPHALT.

5. ALL "AS-BUILT" INFORMATION SUBMITTED TO THE ENGINEER SHALL BE SUFFICIENTLY ACCURATE, CLEAR AND LEGIBLE TO SATISFY THE ENGINEER AND ANY APPLICABLE REVIEWING AGENCY THAT THE INFORMATION PROVIDES A TRUE REPRESENTATION OF THE IMPROVEMENTS CONSTRUCTED.