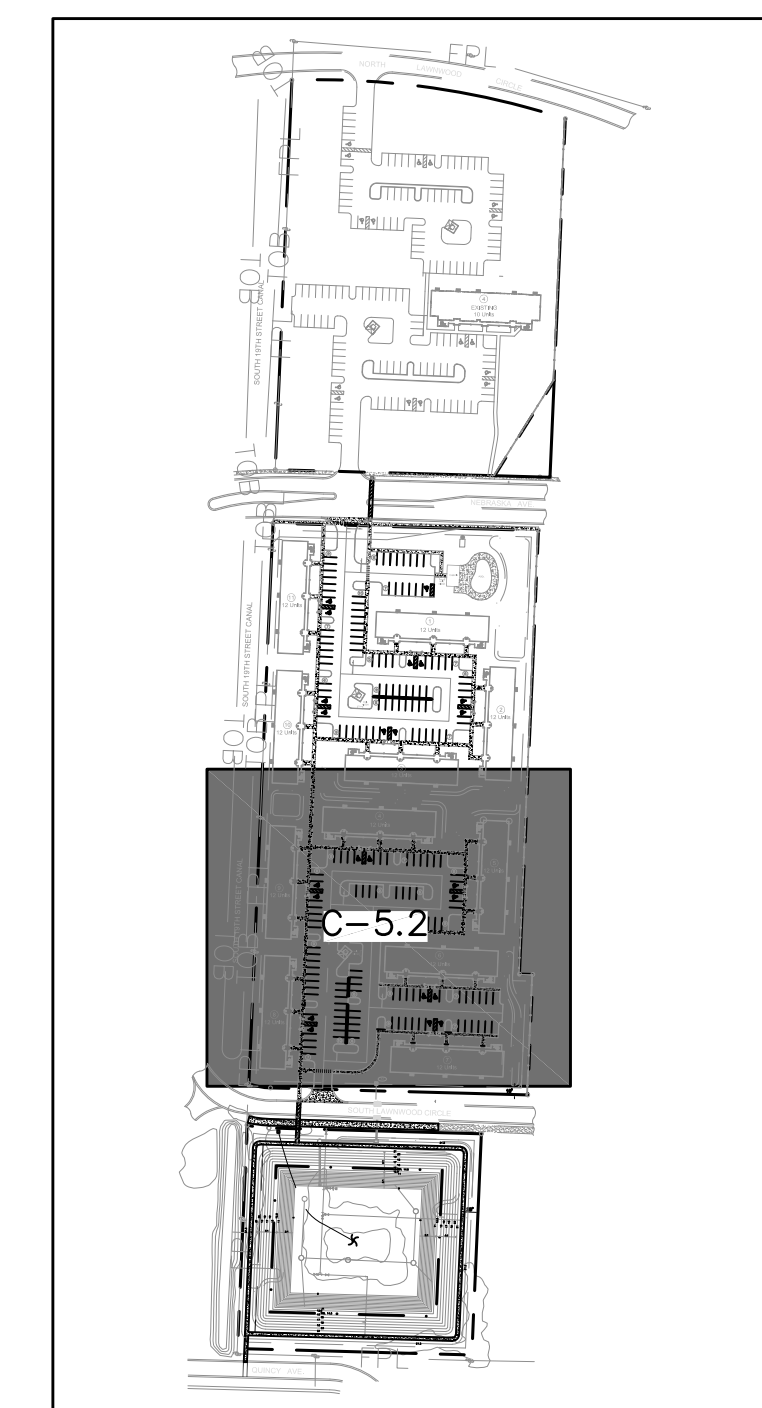
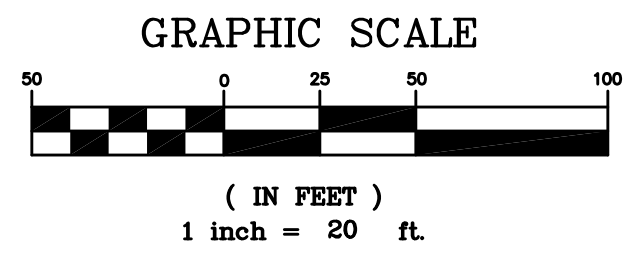
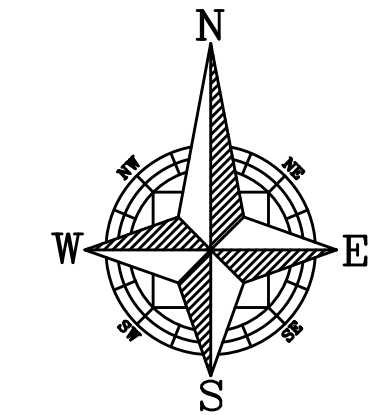


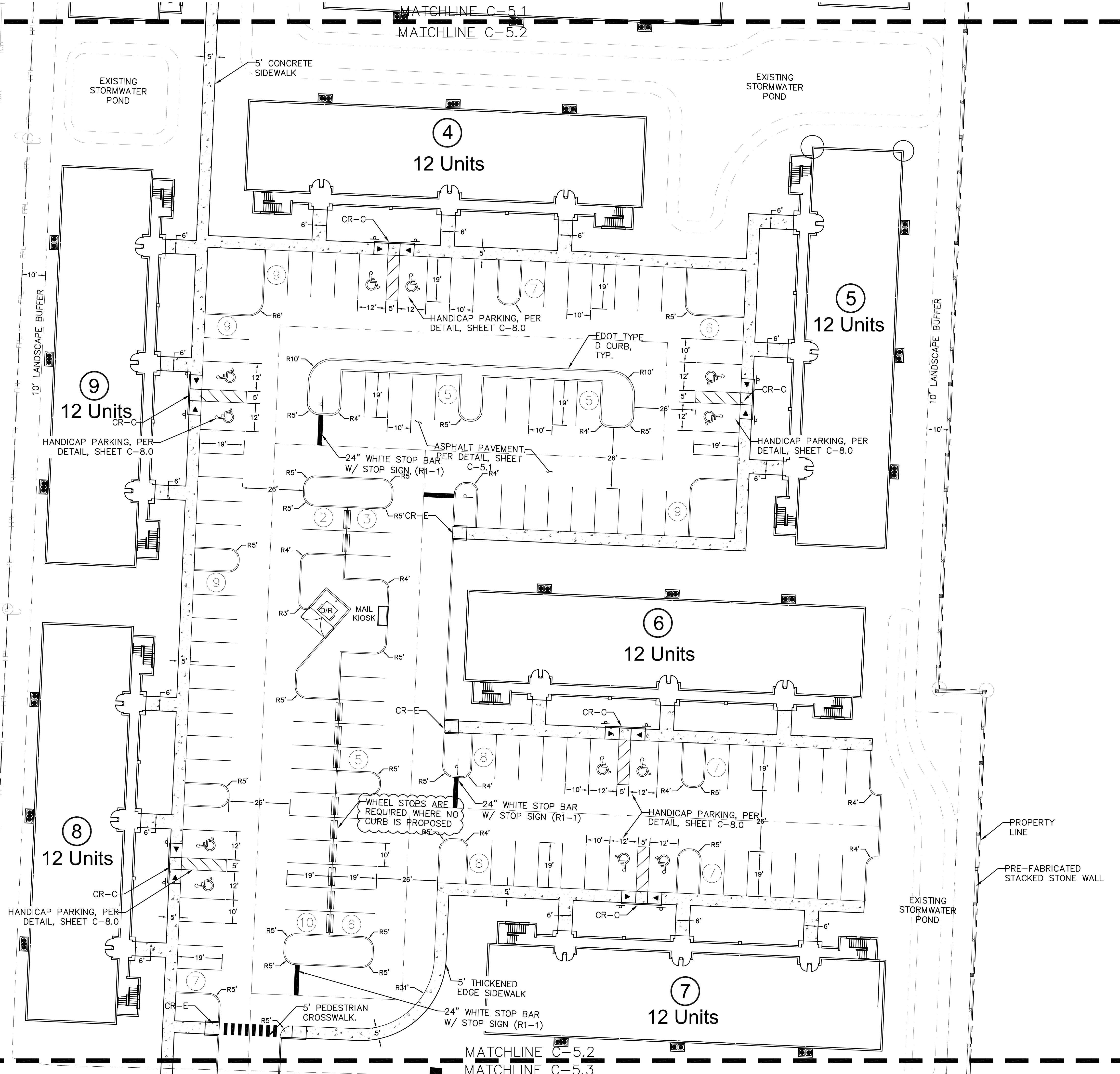
- PAVING LEGEND**
- A 1.5" TYPE S-III ASPHALTIC CONCRETE SURFACE COURSE (IN TWO 3/4" LIFTS)
 - B 8" LIMEROCK BASE COURSE, LBR 100 PRIMED ENTIRE WIDTH
 - C 12" STABILIZED SUBGRADE, LBR 40

WOHLFARTH CONSULTING GROUP LLC ENGINEERS & PLANNERS				246 N. WESTMONT DRIVE ALBANY, GA 31707 (407) 750-3123 ORLANDO			
MAYFAIR FORT PIERCE, FLORIDA				SITE PLAN			
DRAWN: DM	DESIGNED: DM	CHECKED: RW	DATE: 9/27/2018				
SCALE: 1" = 20'	PROJECT: 2017-004	SHEET: C-5.1					
GROUP LAND DEVELOPMENT & ENGINEERING SERVICES BUSINESS NO. 32108							
10/19/18 NOT TO BE FILED FOR RECORD UNLESS SIGNED AND DATED WITH THE ORIGINAL SET OF INSTRUMENTS BY THE ENGINEER OR ARCHITECT. ALABAMA, P.A. 00044							

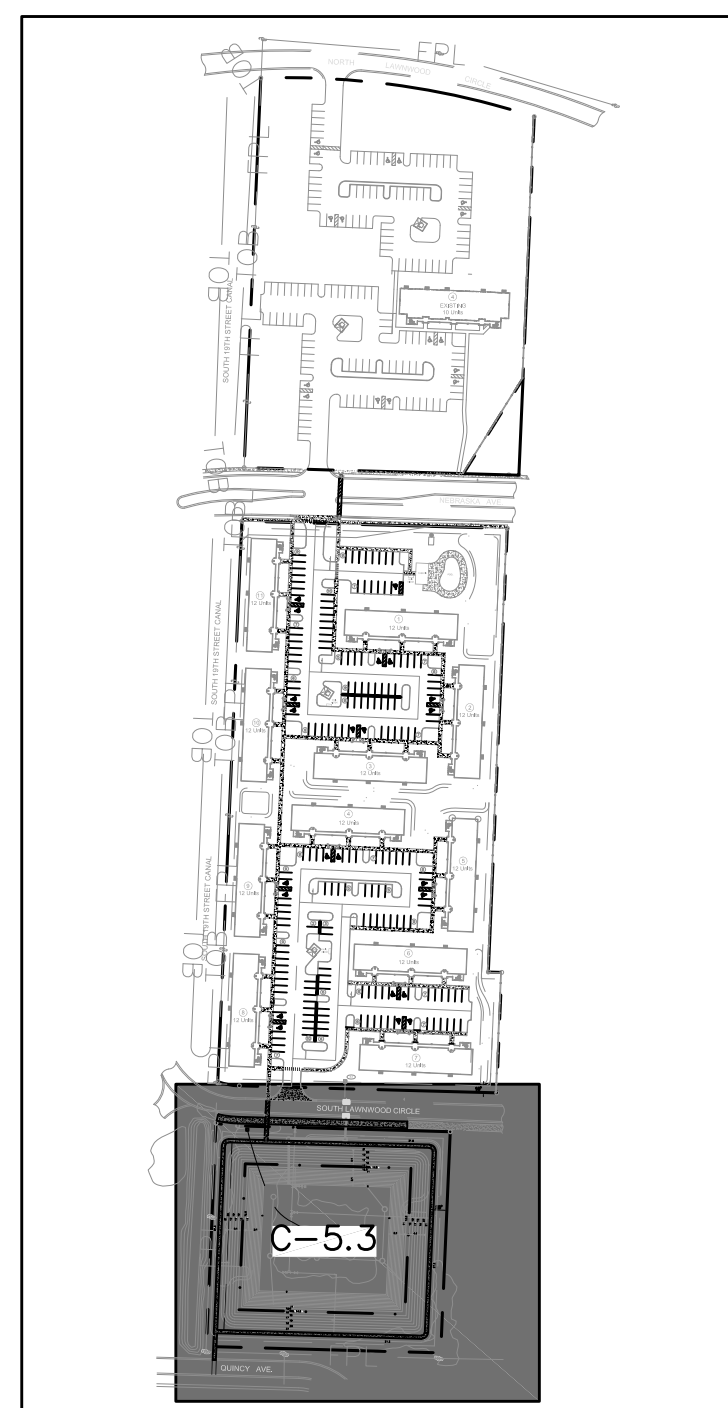
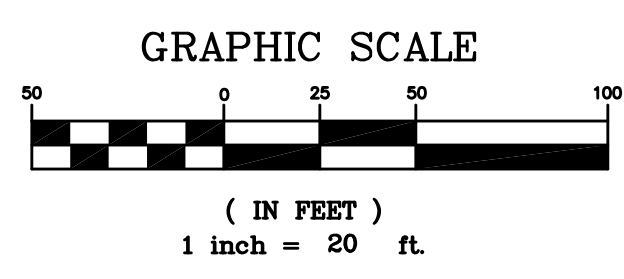
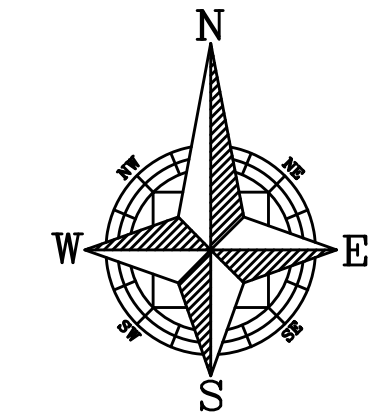
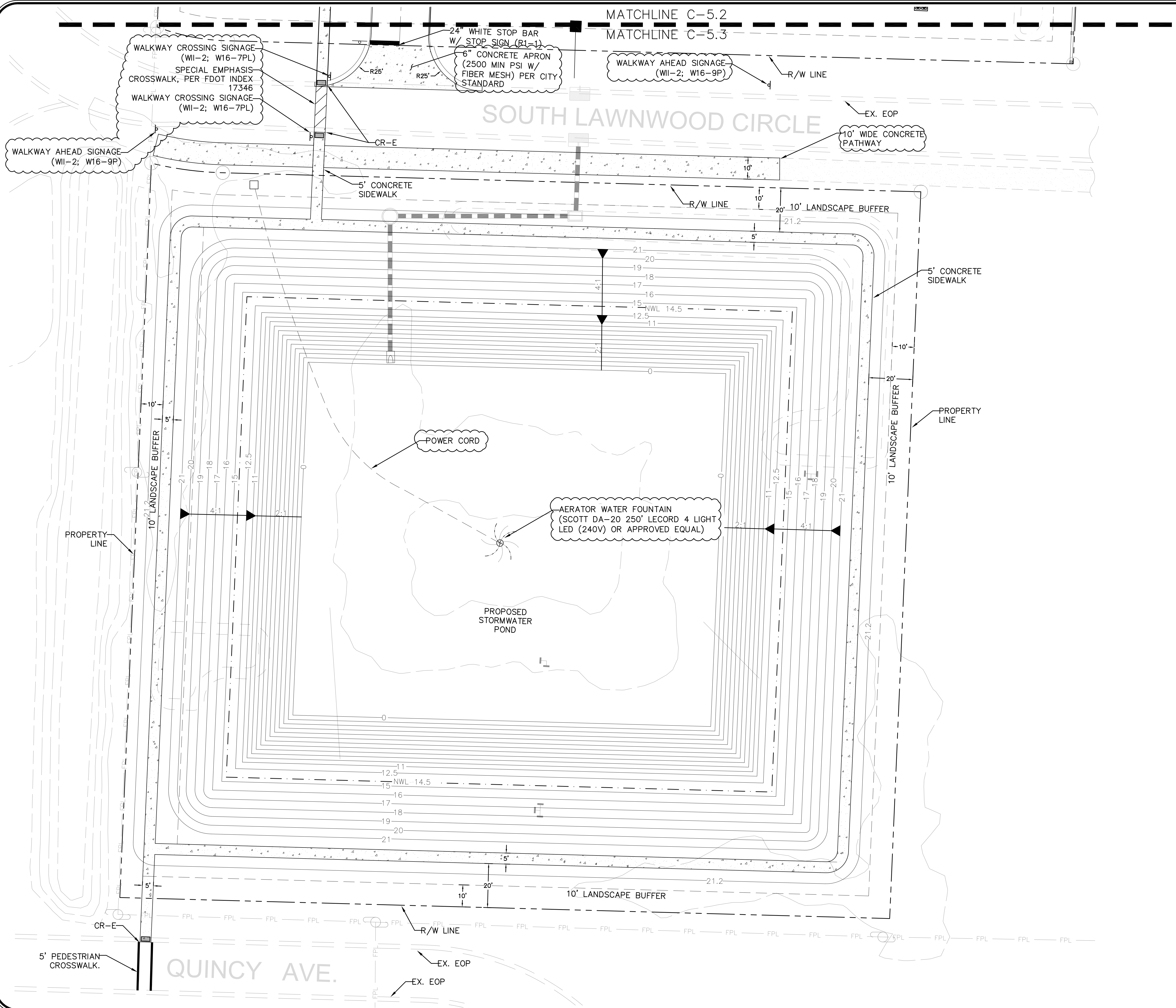
SOUTH 19TH STREET CANAL



KEY MAP



<p>WOHLFARTH CONSULTING GROUP LLC ENGINEERS & PLANNERS 246 N. WESTMONTE DRIVE ALAMOUNTAIN, ALABAMA 35954 (407) 750-3123 ORLANDO</p>		<p>DATE</p>	<p>DESCRIPTION</p>	<p>BY</p>
<p>MAYFAIR FORT PIERCE, FLORIDA</p>		<p>SITE PLAN</p>		
<p>SCALE</p> <p>1" = 20'</p>	<p>DRAWN: DM</p>	<p>DESIGNED: DM</p>	<p>CHECKED: RW</p>	<p>DATE: 9/27/2018</p>
<p>PROJECT</p> <p>2017-004</p>	<p>SHEET</p> <p>C-5.2</p>	<p>BUSINESS NO. 32108</p>		
<p>10/19/18 NOT TO BE FILED FOR RECORD UNLESS SIGNED AND DATED WITH THE ORIGINAL SEAL OF REGISTERED PROFESSIONAL ENGINEER, ALABAMA, P.E. 30064</p>				

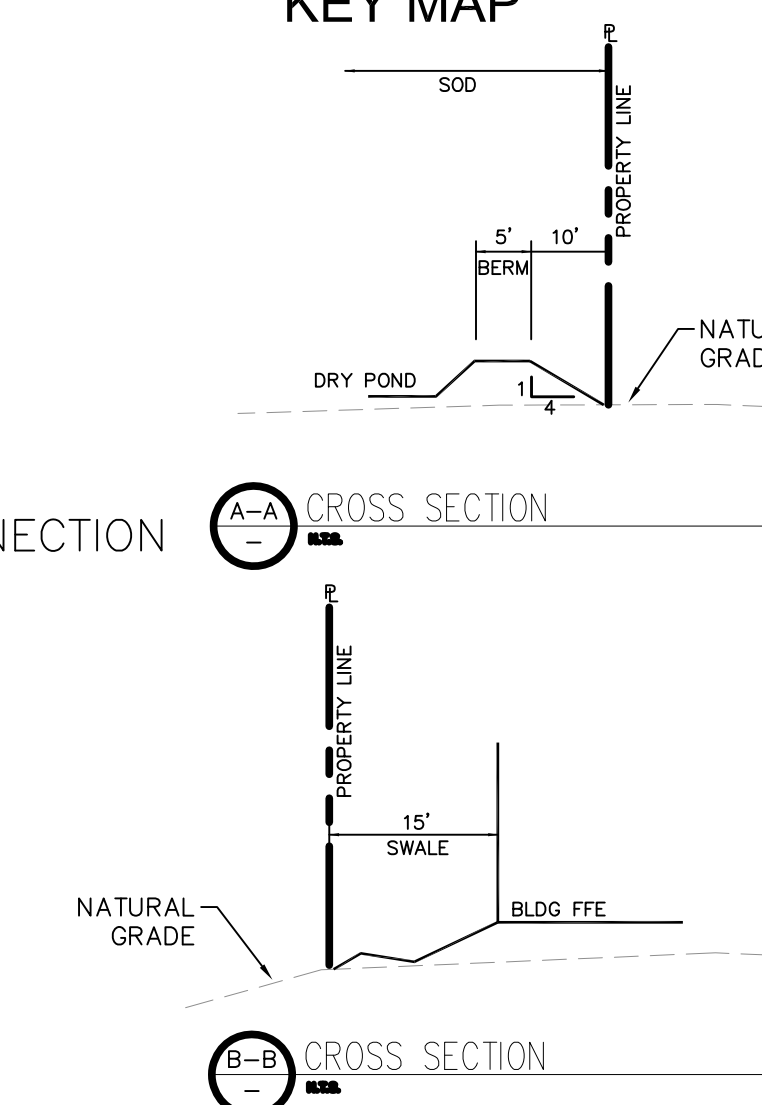
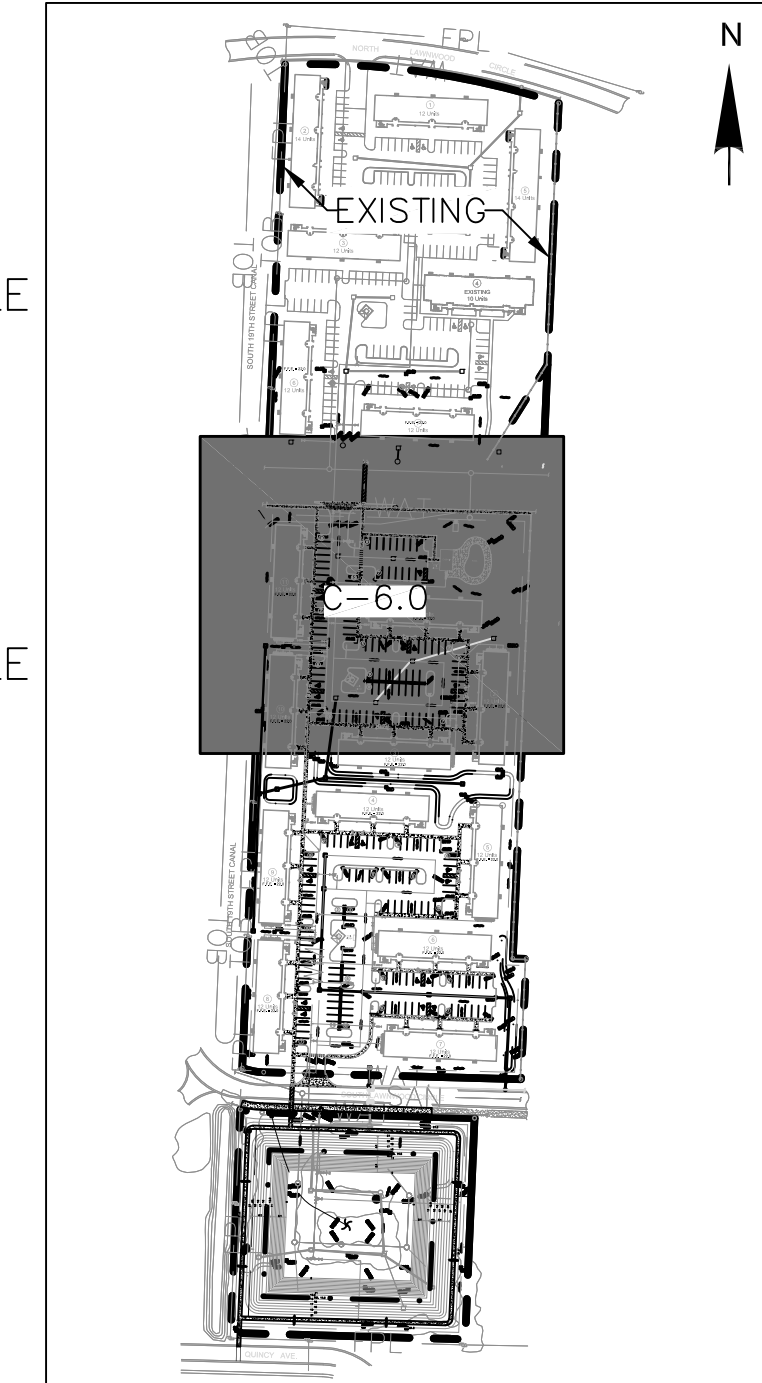
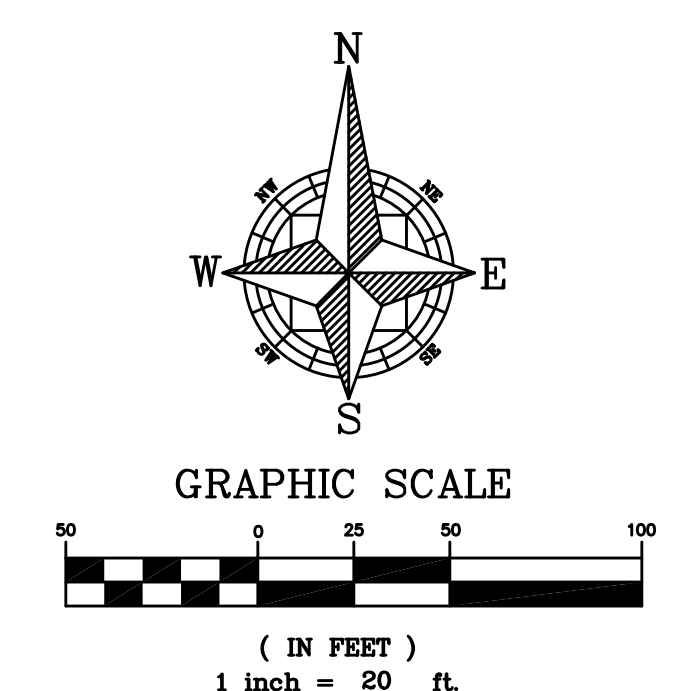
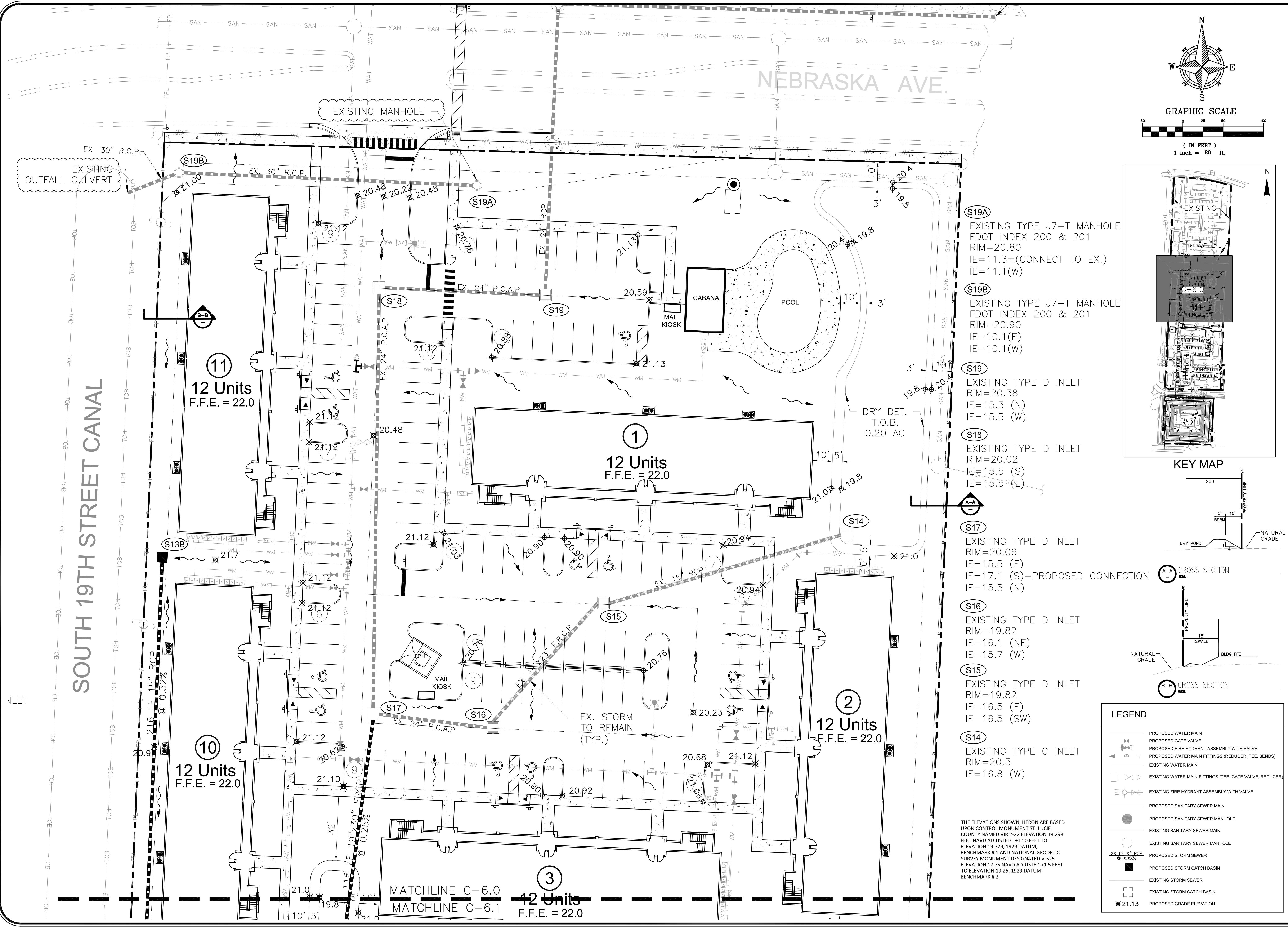


KEY MAP

DRAWN: DM		SCALE: 1" = 20'	PROJECT: 2017-004	SHEET: C-5.3	DATE: 9/27/2018	
DESIGNED: DM		PROJECT: 2017-004				
CHECKED: RW		PROJECT: 2017-004		DATE: 9/27/2018		
DATE: 9/27/2018		PROJECT: 2017-004		SHEET: C-5.3		
BUSINESS NO. 32108		PROJECT: 2017-004		SHEET: C-5.3		
MAYFAIR FORT PIERCE, FLORIDA		PROJECT: 2017-004		SHEET: C-5.3		
WOHLFARTH CONSULTING GROUP LLC		PROJECT: 2017-004		SHEET: C-5.3		
ENGINEERS & PLANNERS		PROJECT: 2017-004		SHEET: C-5.3		
246 N. WESTMONTE DRIVE ALAMOGADO, CA 92011 (407) 750-3123		PROJECT: 2017-004		SHEET: C-5.3		
ORLANDO		PROJECT: 2017-004		SHEET: C-5.3		
DESCRIPTION	DATE	REV.	BY			

10/19/18
 NOT TO BE FILED FOR RECORD UNLESS SIGNED AND DATED WITH THE ORIGINAL SEAL OF PROFESSIONAL ENGINEER WOHLFARTH, FLORIDA, P.E. 30084

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- S19A**
EXISTING TYPE J7-T MANHOLE
FDOT INDEX 200 & 201
RIM=20.80
IE=11.3±(CONNECT TO EX.)
IE=11.1(W)
- S19B**
EXISTING TYPE J7-T MANHOLE
FDOT INDEX 200 & 201
RIM=20.90
IE=10.1(E)
IE=10.1(W)
- S19**
EXISTING TYPE D INLET
RIM=20.38
IE=15.3 (N)
IE=15.5 (W)
- S18**
EXISTING TYPE D INLET
RIM=20.02
IE=15.5 (S)
IE=15.5±(E)
- S17**
EXISTING TYPE D INLET
RIM=20.06
IE=15.5 (E)
IE=17.1 (S)-PROPOSED CONNECTION
IE=15.5 (N)
- S16**
EXISTING TYPE D INLET
RIM=19.82
IE=16.1 (NE)
IE=15.7 (W)
- S15**
EXISTING TYPE D INLET
RIM=19.82
IE=16.5 (E)
IE=16.5 (SW)
- S14**
EXISTING TYPE C INLET
RIM=20.3
IE=16.8 (W)

THE ELEVATIONS SHOWN, HEREON ARE BASED UPON CONTROL MONUMENT ST. LUCIE COUNTY NAMED VIR 2-22 ELEVATION 18.298 FEET NAVD ADJUSTED, +1.50 FEET TO ELEVATION 19.729, 1929 DATUM, BENCHMARK # 1 AND NATIONAL GEODETIC SURVEY MONUMENT DESIGNATED V-525 ELEVATION 17.75 NAVD ADJUSTED +1.5 FEET TO ELEVATION 19.25, 1929 DATUM, BENCHMARK # 2.

LEGEND	
	PROPOSED WATER MAIN
	PROPOSED GATE VALVE
	PROPOSED FIRE HYDRANT ASSEMBLY WITH VALVE
	PROPOSED WATER MAIN FITTINGS (REDUCER, TEE, BENDS)
	EXISTING WATER MAIN
	EXISTING WATER MAIN FITTINGS (TEE, GATE VALVE, REDUCER)
	EXISTING FIRE HYDRANT ASSEMBLY WITH VALVE
	PROPOSED SANITARY SEWER MAIN
	PROPOSED SANITARY SEWER MANHOLE
	EXISTING SANITARY SEWER MAIN
	EXISTING SANITARY SEWER MANHOLE
	PROPOSED STORM SEWER
	PROPOSED STORM CATCH BASIN
	EXISTING STORM SEWER
	EXISTING STORM CATCH BASIN
	PROPOSED GRADE ELEVATION

SOUTH 19TH STREET CANAL

NEBRASKA AVE.

EXISTING MANHOLE

EXISTING 30" R.C.P. OUTFALL CULVERT

11
12 Units
F.F.E. = 22.0

1
12 Units
F.F.E. = 22.0

2
12 Units
F.F.E. = 22.0

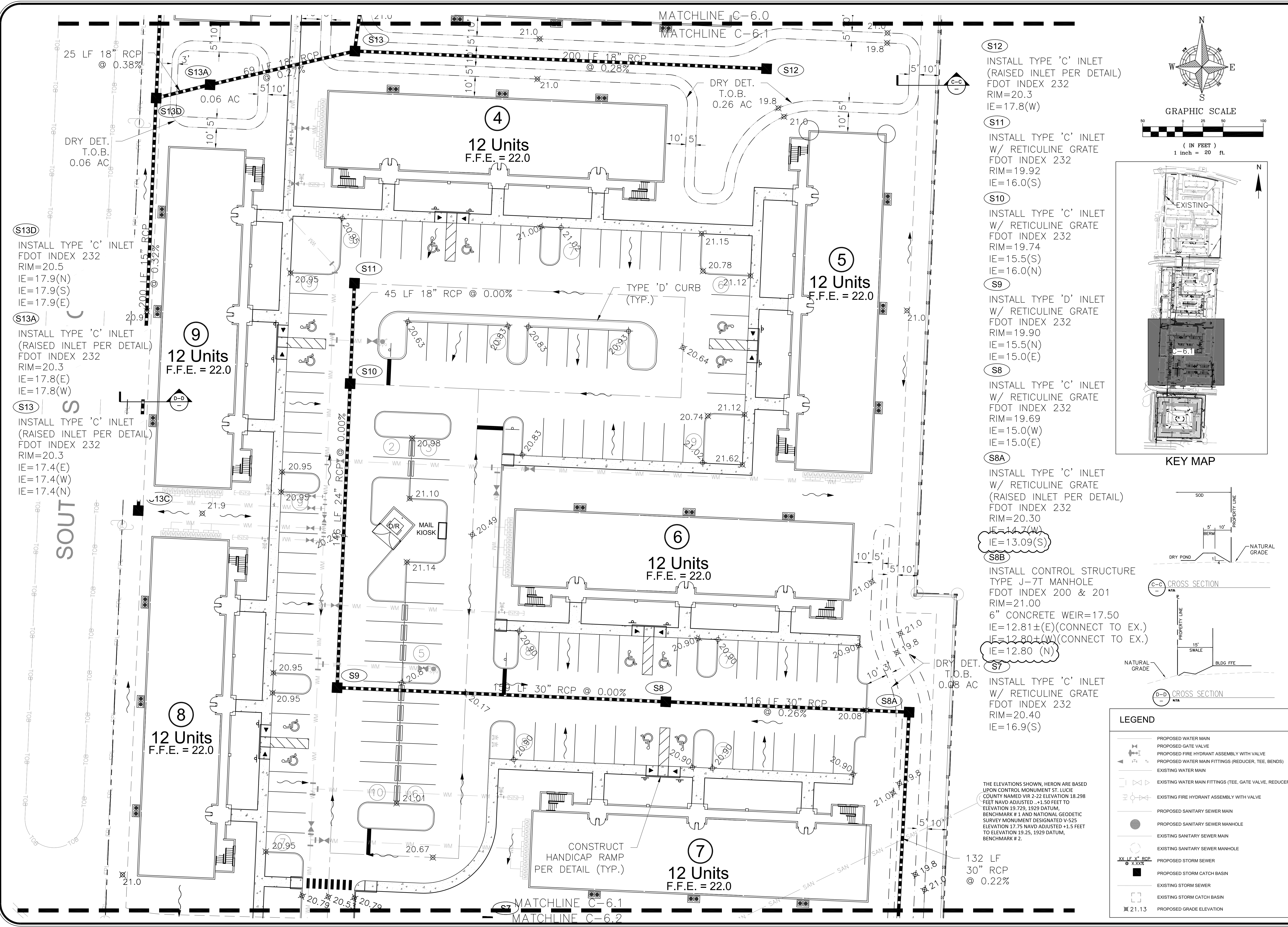
10
12 Units
F.F.E. = 22.0

MATCHLINE C-6.0
MATCHLINE C-6.1

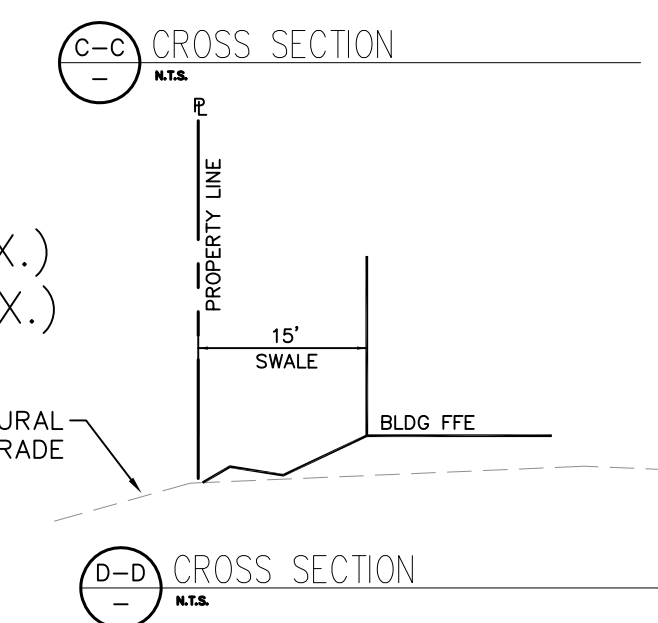
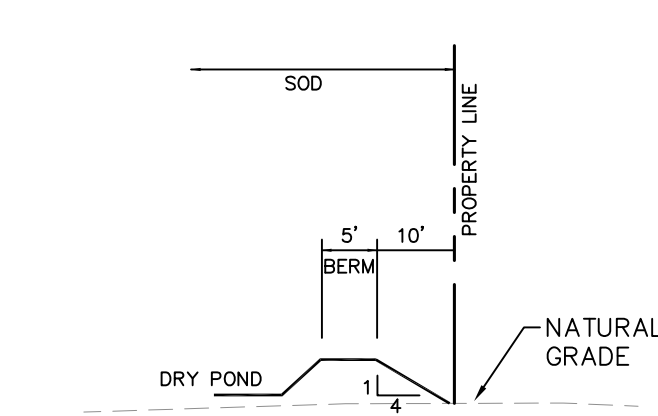
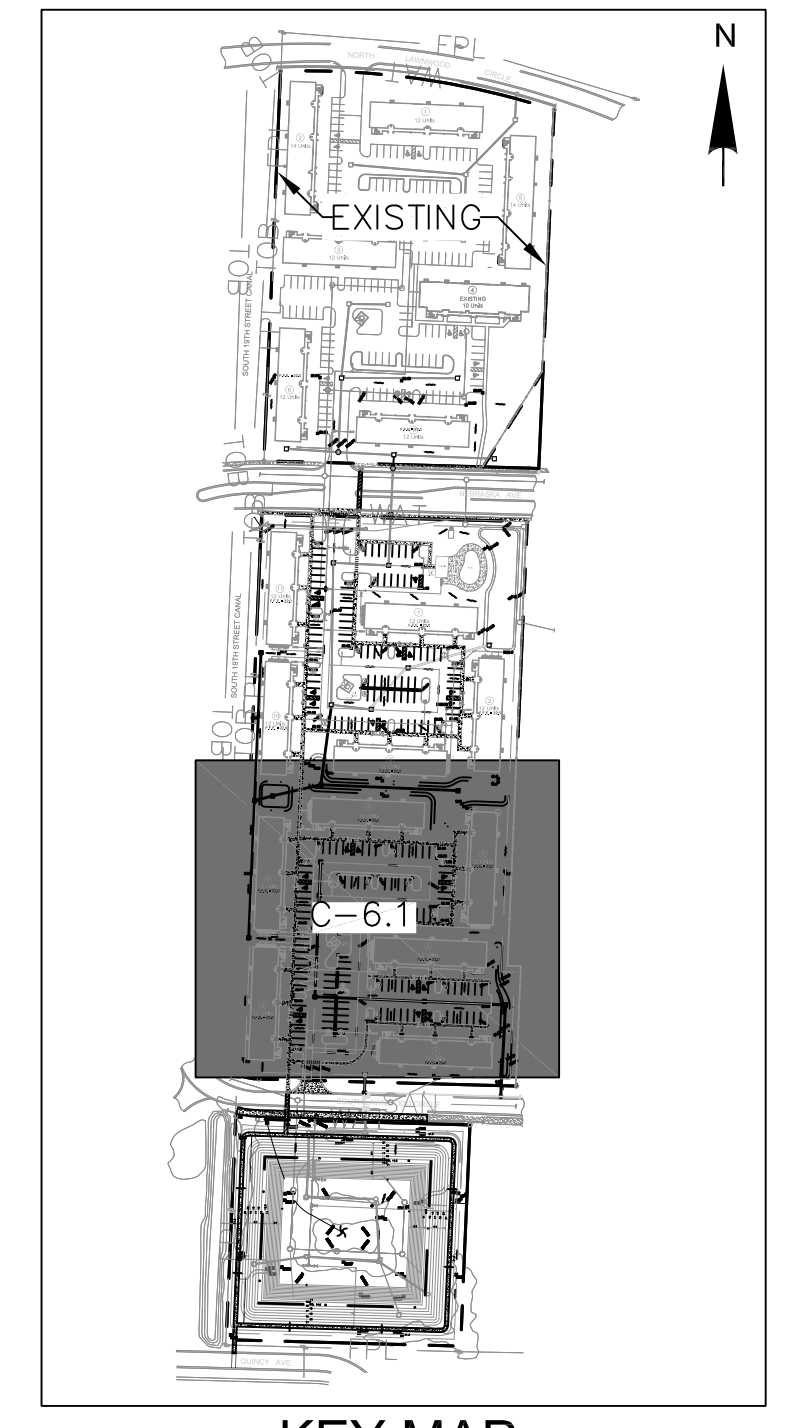
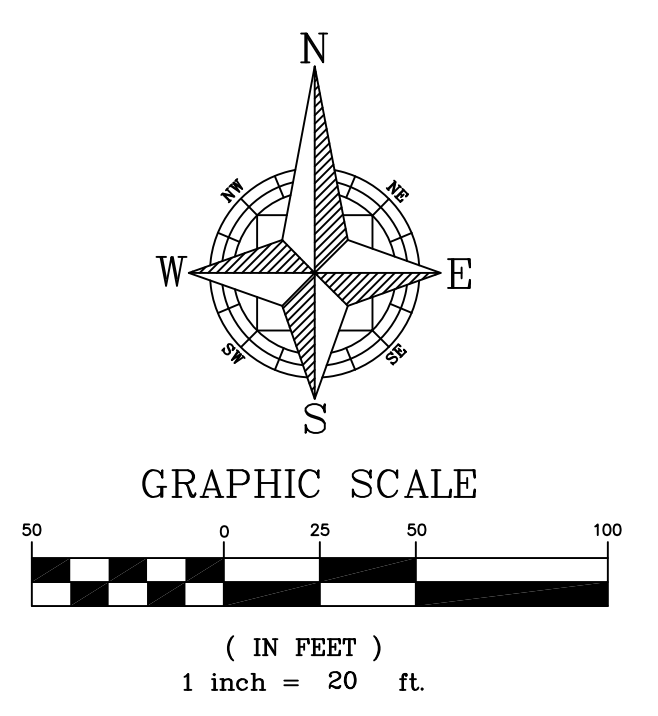
3
12 Units
F.F.E. = 22.0

WOHLFARTH CONSULTING GROUP LLC ENGINEERS & PLANNERS 246 N. WESTMONTE DRIVE ALAMANTO, FL 32714 (407) 750-3123 ORLANDO	
MAYFAIR FORT PIERCE, FLORIDA	GRADING AND DRAINAGE PLAN
SCALE: 1" = 20'	PROJECT: 2017-004
DRAWN: DM	CHECKED: RW
DESIGNED: DM	DATE: 11/28/2018
BUSINESS NO. 32108	
127/18	
NOT TO BE FILED FOR RECORDS UNLESS SIGNED AND DATED WITH THE ORIGINAL SET OF RECORDS BY: WOHLFARTH, ALABAMA, P.A. 00044	

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- S12**
INSTALL TYPE 'C' INLET
(RAISED INLET PER DETAIL)
FDOT INDEX 232
RIM=20.3
IE=17.8(W)
- S11**
INSTALL TYPE 'C' INLET
W/ RETICULINE GRATE
FDOT INDEX 232
RIM=19.92
IE=16.0(S)
- S10**
INSTALL TYPE 'C' INLET
W/ RETICULINE GRATE
FDOT INDEX 232
RIM=19.74
IE=15.5(S)
IE=16.0(N)
- S9**
INSTALL TYPE 'D' INLET
W/ RETICULINE GRATE
FDOT INDEX 232
RIM=19.90
IE=15.5(N)
IE=15.0(E)
- S8**
INSTALL TYPE 'C' INLET
W/ RETICULINE GRATE
FDOT INDEX 232
RIM=19.69
IE=15.0(W)
IE=15.0(E)
- S8A**
INSTALL TYPE 'C' INLET
W/ RETICULINE GRATE
(RAISED INLET PER DETAIL)
FDOT INDEX 232
RIM=20.30
IE=14.7(W)
IE=13.09(S)
- S8B**
INSTALL CONTROL STRUCTURE
TYPE J-7T MANHOLE
FDOT INDEX 200 & 201
RIM=21.00
6" CONCRETE WEIR=17.50
IE=12.81±(E)(CONNECT TO EX.)
IE=12.80±(W)(CONNECT TO EX.)
IE=12.80 (N)
- S7**
INSTALL TYPE 'C' INLET
W/ RETICULINE GRATE
FDOT INDEX 232
RIM=20.40
IE=16.9(S)

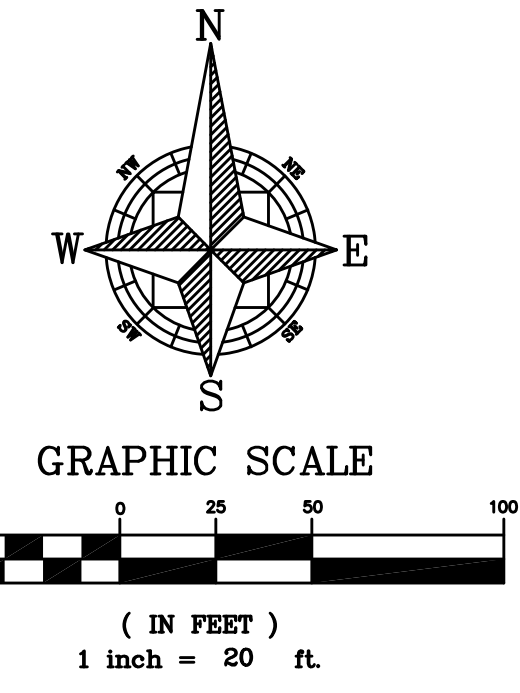
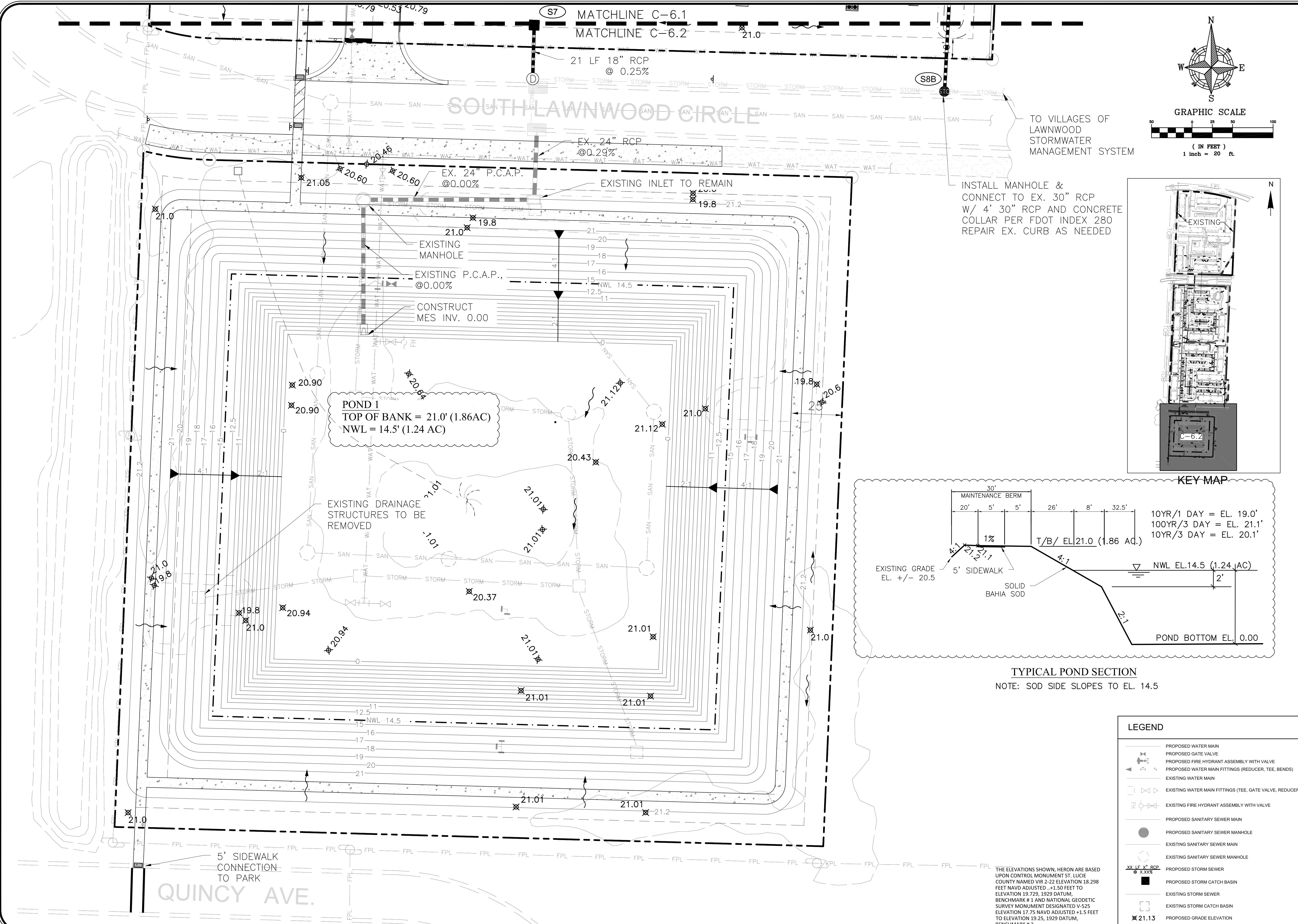


THE ELEVATIONS SHOWN, HERON ARE BASED UPON CONTROL MONUMENT ST. LUCIE COUNTY NAMED VIR 2-22 ELEVATION 18.298 FEET NAVD ADJUSTED +1.50 FEET TO ELEVATION 19.729, 1929 DATUM, BENCHMARK # 1 AND NATIONAL GEODETIC SURVEY MONUMENT DESIGNATED V-525 ELEVATION 17.75 NAVD ADJUSTED +1.5 FEET TO ELEVATION 19.25, 1929 DATUM, BENCHMARK # 2.

LEGEND	
	PROPOSED WATER MAIN
	PROPOSED GATE VALVE
	PROPOSED FIRE HYDRANT ASSEMBLY WITH VALVE
	PROPOSED WATER MAIN FITTINGS (REDUCER, TEE, BENDS)
	EXISTING WATER MAIN
	EXISTING WATER MAIN FITTINGS (TEE, GATE VALVE, REDUCER)
	EXISTING FIRE HYDRANT ASSEMBLY WITH VALVE
	PROPOSED SANITARY SEWER MAIN
	PROPOSED SANITARY SEWER MANHOLE
	EXISTING SANITARY SEWER MAIN
	EXISTING SANITARY SEWER MANHOLE
	PROPOSED STORM SEWER
	EXISTING STORM SEWER
	EXISTING STORM CATCH BASIN
	PROPOSED STORM CATCH BASIN
	PROPOSED GRADE ELEVATION

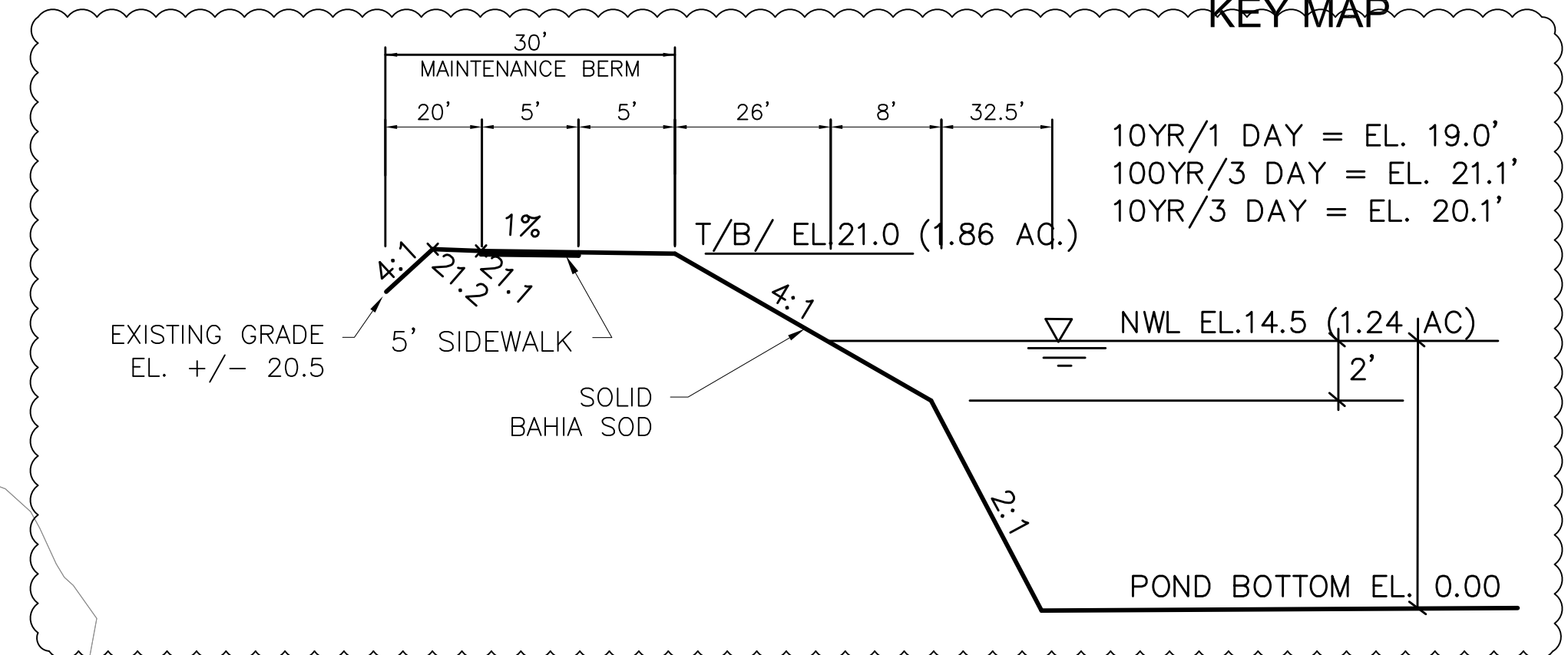
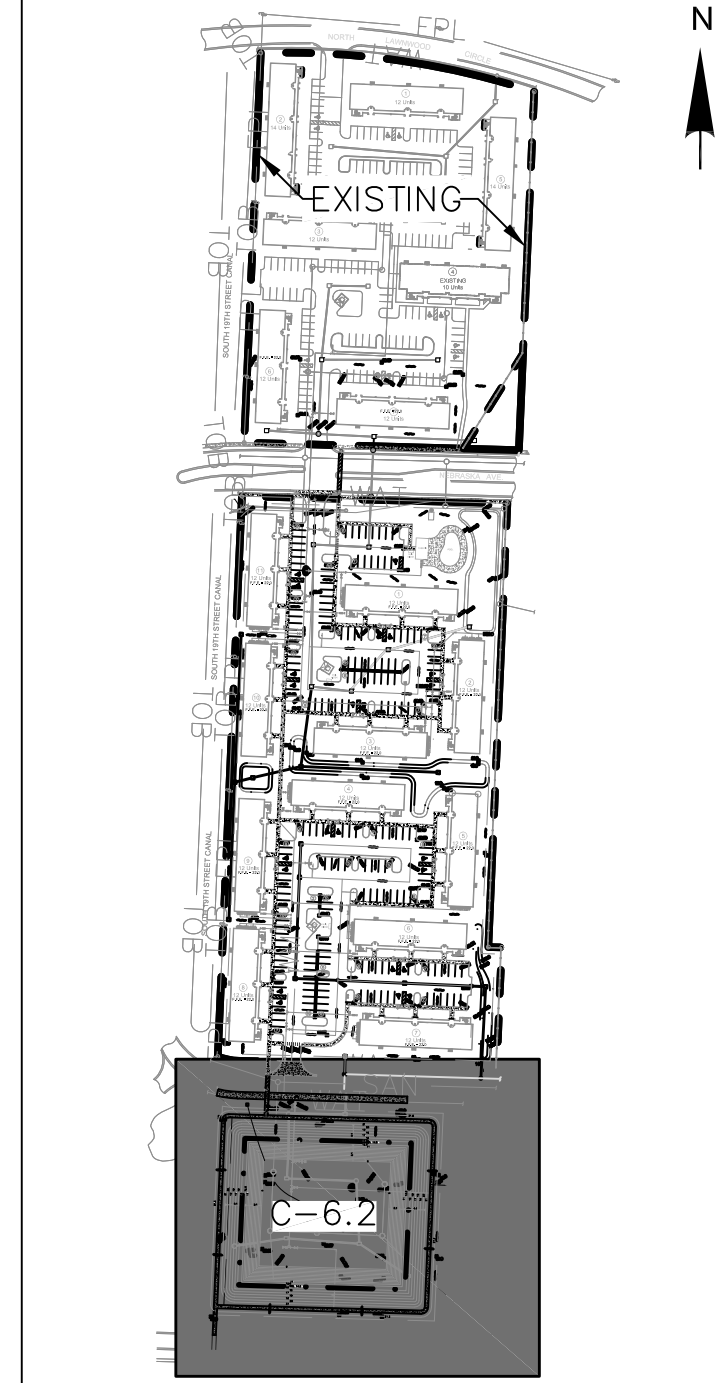
WOHLFARTH CONSULTING GROUP LLC ENGINEERS & PLANNERS		MAYFAIR FORT PIERCE, FLORIDA		PAVING, GRADING AND DRAINAGE PLAN	
246 N. WESTMOORE DRIVE ALAMANDI, FLORIDA 32714 (407) 750-3123		DRAWN: DM DESIGNED: DM PROJECT: 2017-004 SHEET: C-6.1		CHECKED: RW DATE: 9/27/2018	
ORLANDO		BUSINESS NO. 32108		423/19	
REV. DATE DESCRIPTION					

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TO VILLAGES OF LAWNWOOD STORMWATER MANAGEMENT SYSTEM

INSTALL MANHOLE & CONNECT TO EX. 30" RCP W/ 4' 30" RCP AND CONCRETE COLLAR PER FDOT INDEX 280 REPAIR EX. CURB AS NEEDED



TYPICAL POND SECTION
NOTE: SOD SIDE SLOPES TO EL. 14.5

SCALE		PROJECT		SHEET	
1" = 20'		2017-004		C-6.2	
DRAWN: DM	DESIGNED: DM	CHECKED: RW	DATE: 11/28/2018		

LEGEND	
	PROPOSED WATER MAIN
	PROPOSED GATE VALVE
	PROPOSED FIRE HYDRANT ASSEMBLY WITH VALVE
	PROPOSED WATER MAIN FITTINGS (REDUCER, TEE, BENDS)
	EXISTING WATER MAIN
	EXISTING WATER MAIN FITTINGS (TEE, GATE VALVE, REDUCER)
	PROPOSED SANITARY SEWER MAIN
	PROPOSED SANITARY SEWER MANHOLE
	EXISTING SANITARY SEWER MAIN
	EXISTING SANITARY SEWER MANHOLE
	PROPOSED STORM SEWER
	PROPOSED STORM CATCH BASIN
	EXISTING STORM SEWER
	EXISTING STORM CATCH BASIN
	PROPOSED GRADE ELEVATION

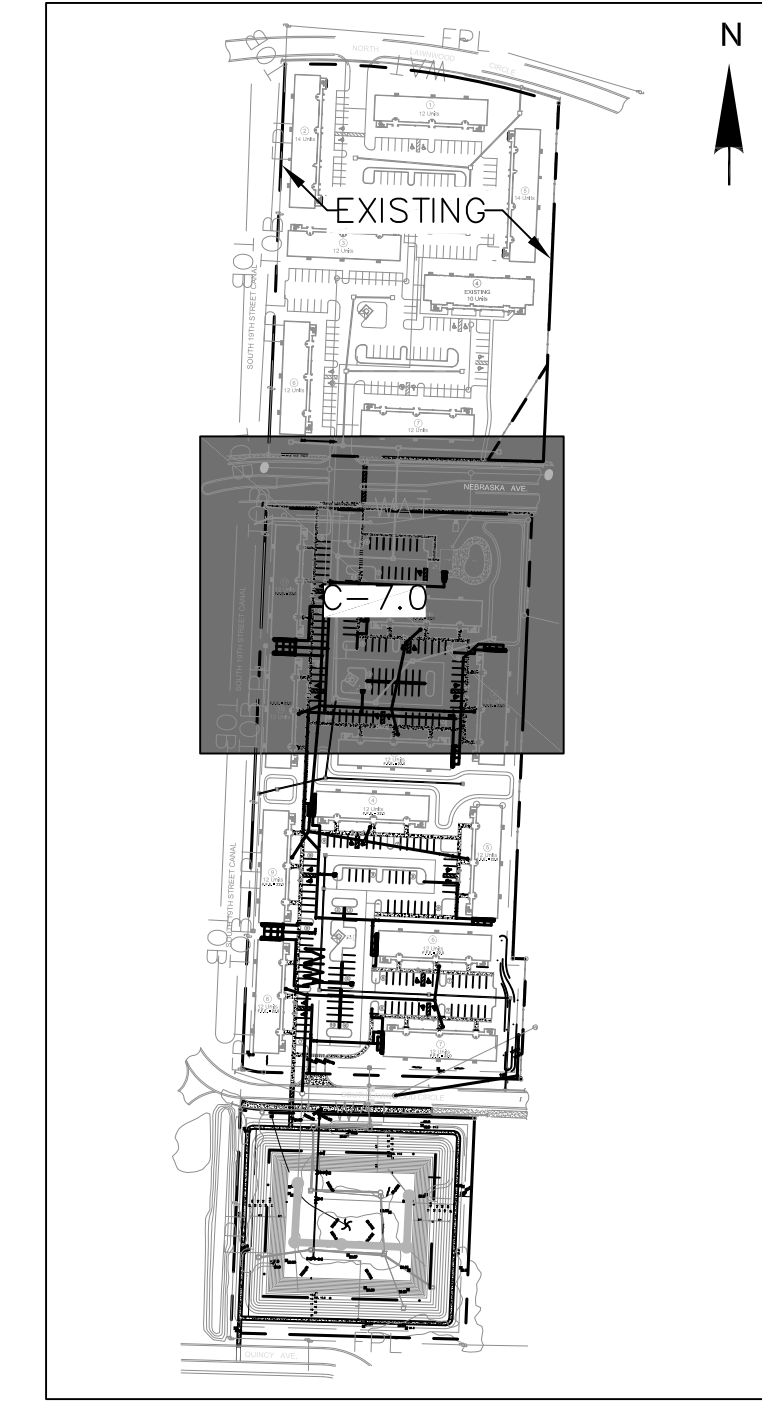
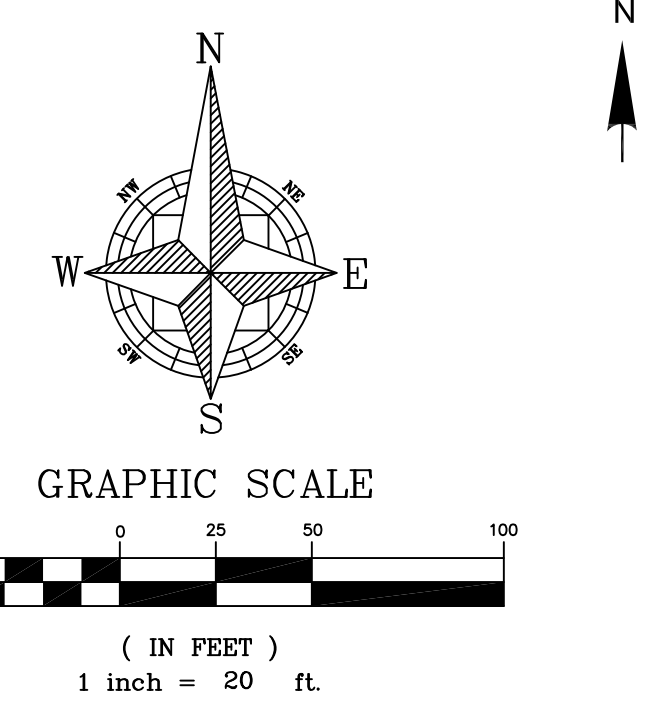
THE ELEVATIONS SHOWN, HEREON ARE BASED UPON CONTROL MONUMENT ST. LUCIE COUNTY NAMED VIR 2-22 ELEVATION 18.298 FEET NAVD ADJUSTED +1.50 FEET TO ELEVATION 19.799, 1929 DATUM, BENCHMARK # 1 AND NATIONAL GEODETIC SURVEY MONUMENT DESIGNATED V-525 ELEVATION 17.75 NAVD ADJUSTED +1.5 FEET TO ELEVATION 19.25, 1929 DATUM, BENCHMARK # 2.

WOHLFARTH CONSULTING GROUP LLC ENGINEERS & PLANNERS <small>246 N. WESTMONTE DRIVE ALAMOUNTAIN, ALABAMA 35954 (407) 750-3123 ORLANDO</small>	MAYFAIR FORT PIERCE, FLORIDA PAVING, GRADING AND DRAINAGE PLAN
SCALE: 1" = 20' PROJECT: 2017-004 SHEET: C-6.2	DRAWN: DM DESIGNED: DM CHECKED: RW DATE: 11/28/2018
BUSINESS NO. 32108	
12/7/18	

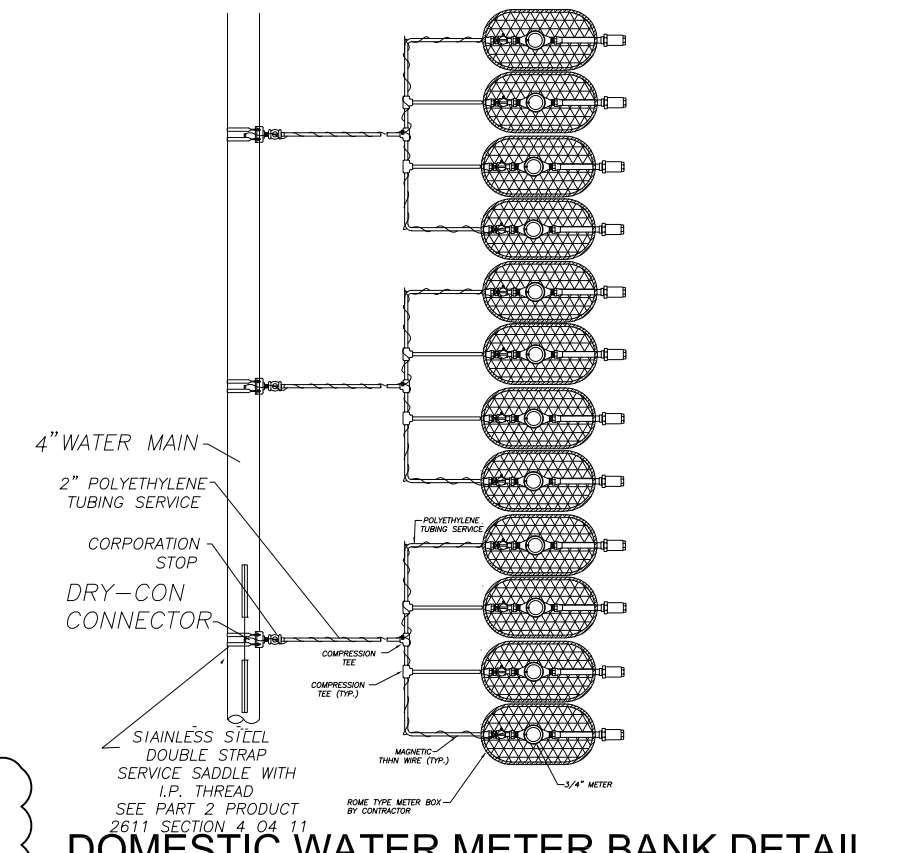
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SOUTH 11TH STREET CANAL

NEBRASKA AVE.

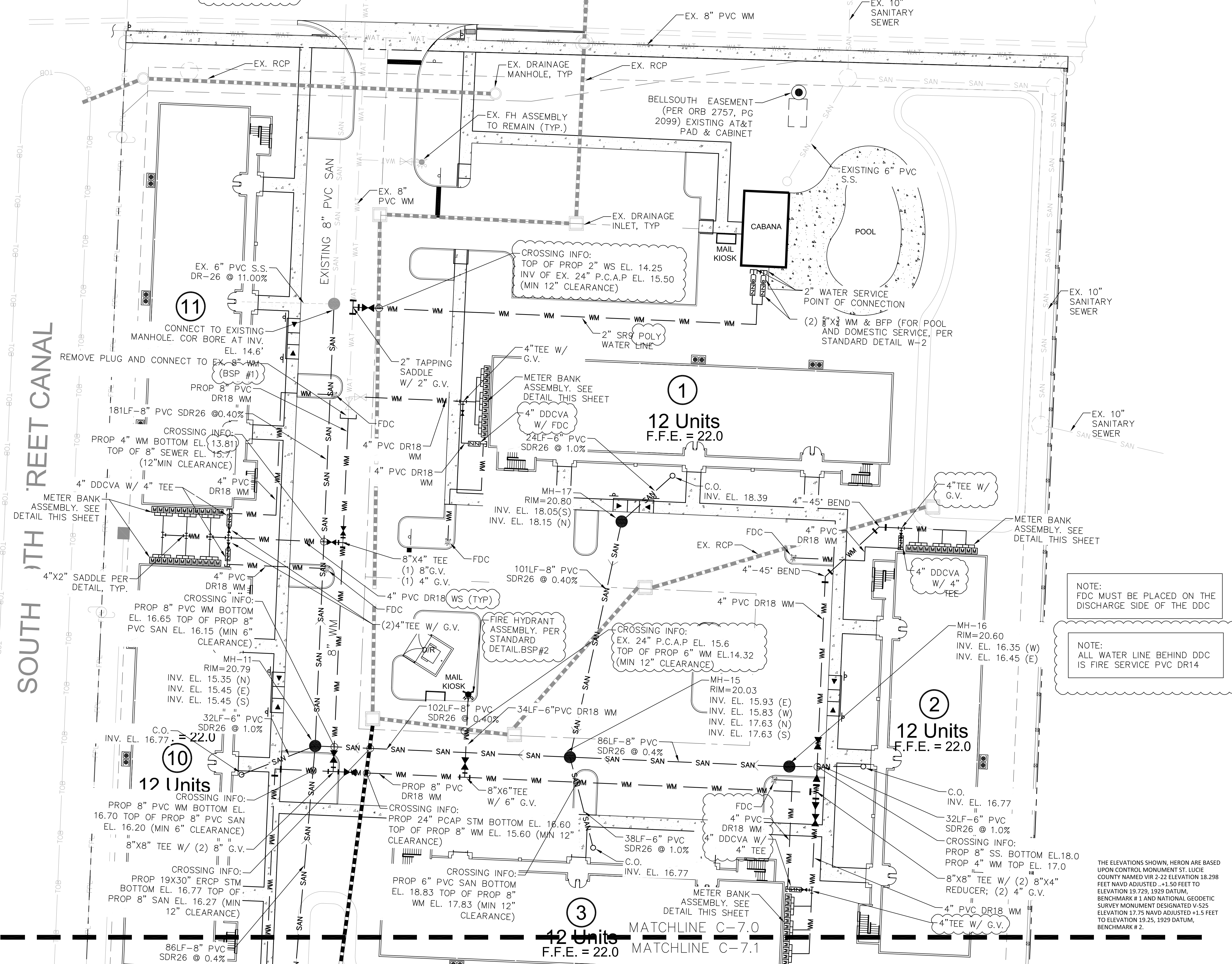


KEY MAP



DOMESTIC WATER METER BANK DETAIL

LEGEND	
8" WM	PROPOSED WATER MAIN
	PROPOSED GATE VALVE
	PROPOSED FIRE HYDRANT ASSEMBLY WITH VALVE
	PROPOSED WATER MAIN FITTINGS (REDUCER, TEE, BENDS)
	EXISTING WATER MAIN
	EXISTING WATER MAIN FITTINGS (TEE, GATE VALVE, REDUCER)
	EXISTING FIRE HYDRANT ASSEMBLY WITH VALVE
	PROPOSED SANITARY SEWER MAIN
	PROPOSED SANITARY SEWER MANHOLE
	EXISTING SANITARY SEWER MAIN
	EXISTING SANITARY SEWER MANHOLE
	PROPOSED STORM SEWER
	PROPOSED STORM CATCH BASIN
	EXISTING UTILITIES
	= LIGHT POLE
	= WOOD POWER POLE
	= FIRE HYDRANT
	= WATER VALVE
	= CATCH BASIN
	= SANITARY MANHOLE
	= DRAINAGE MANHOLE
	= FPL TRANSFORMER PAD

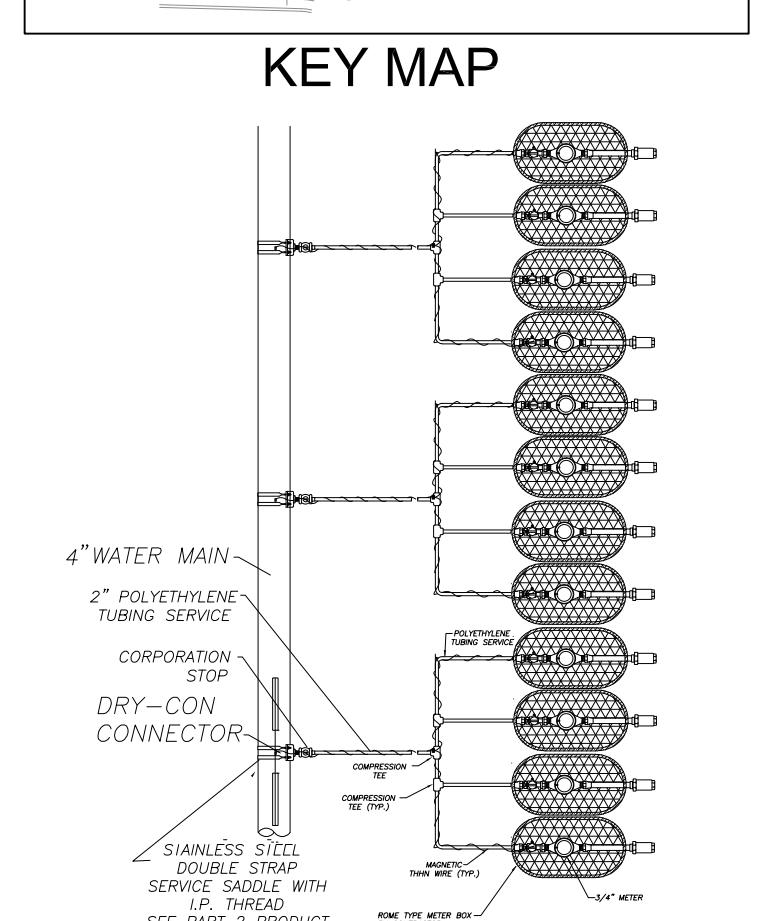
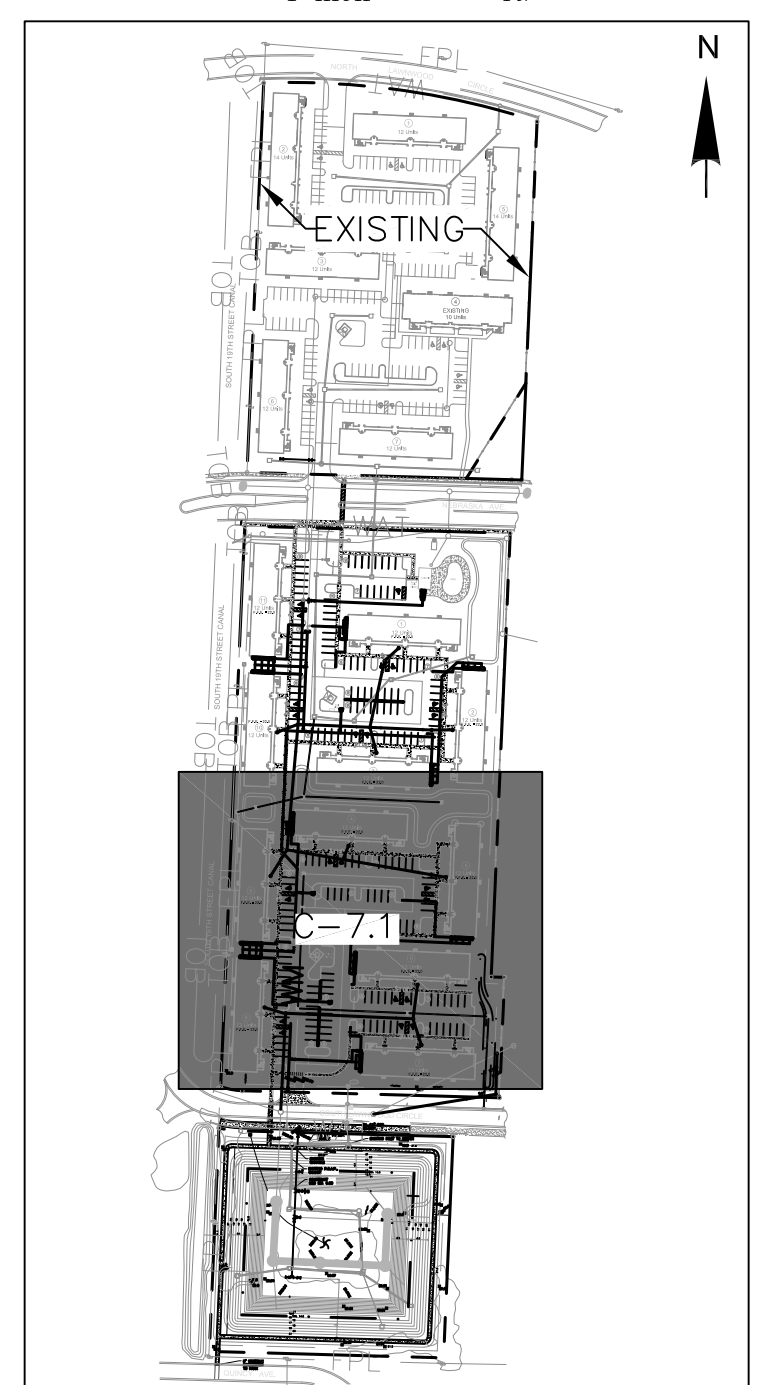
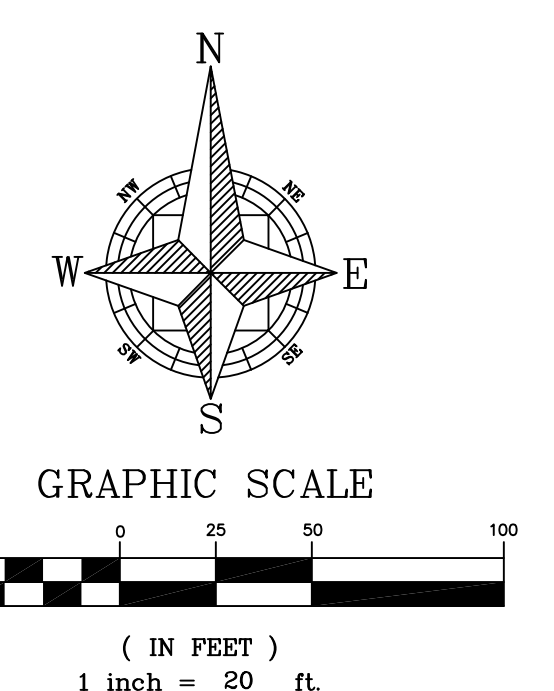
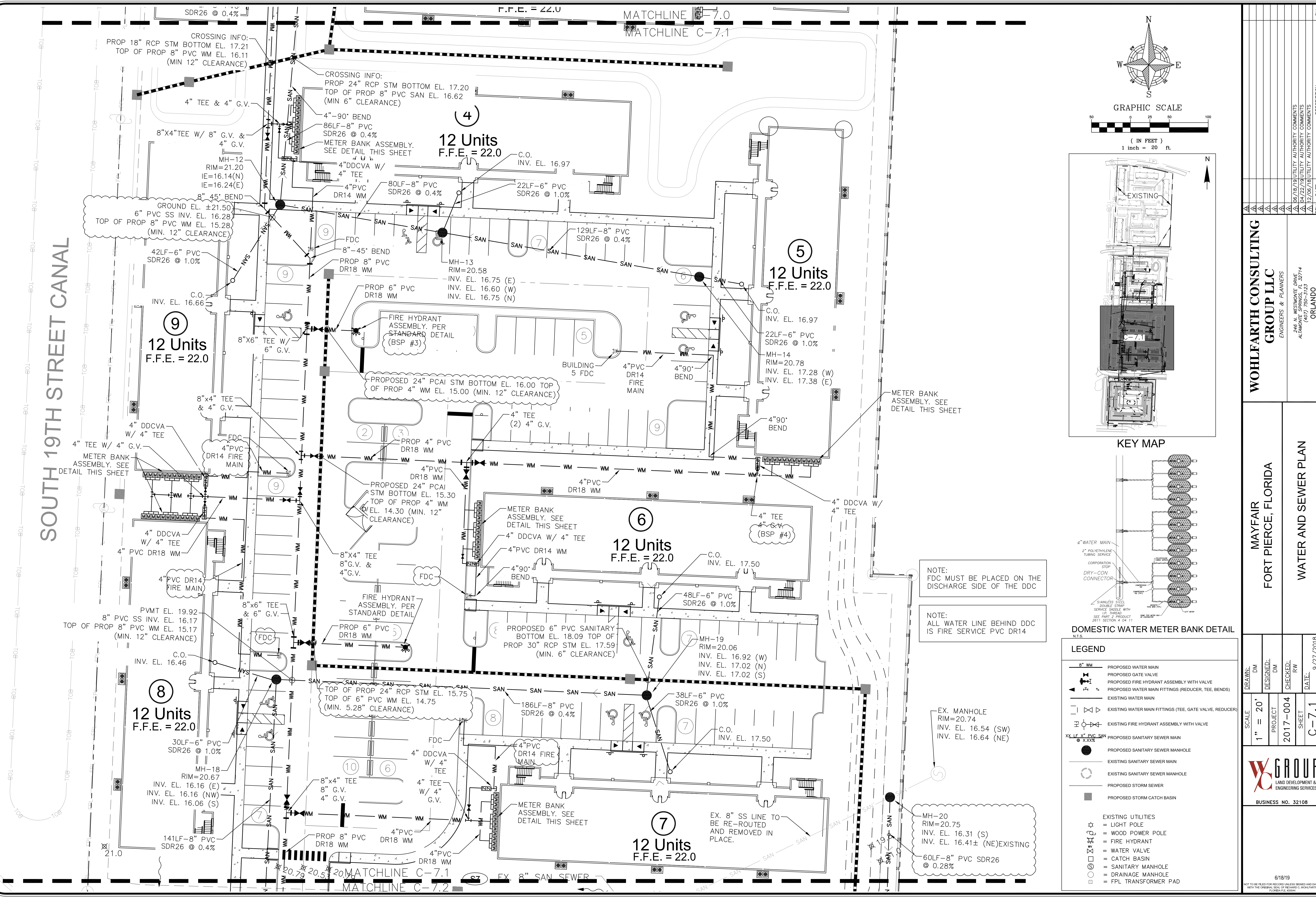


WOHLFARTH CONSULTING GROUP LLC ENGINEERS & PLANNERS		246 N. WESTMOORE DRIVE ALMA, FL 32714 (407) 750-3123		ORLANDO
MAYFAIR FORT PIERCE, FLORIDA		WATER AND SEWER PLAN		
DRAWN: DM	DESIGNED: DM	CHECKED: RW	DATE: 9/27/2018	
SCALE: 1" = 20'	PROJECT: 2017-004	SHEET: C-7.0		
		LAND DEVELOPMENT & ENGINEERING SERVICES		
BUSINESS NO. 32108				
NOT TO BE FILED FOR RECORD UNLESS SIGNED AND DATED WITH THE ORIGINAL SET OF RECORDS BY THE ARCHITECT OR ENGINEER. ALMA, FL 32714				

THE ELEVATIONS SHOWN, HEREON ARE BASED UPON CONTROL MONUMENT ST. LUCIE COUNTY NAMED VIR 2-22 ELEVATION 18.298 FEET NAVD ADJUSTED, +1.50 FEET TO ELEVATION 19.729, 1929 DATUM, BENCHMARK # 1 AND NATIONAL GEODETIC SURVEY MONUMENT DESIGNATED V-525 ELEVATION 17.75 NAVD ADJUSTED +1.5 FEET TO ELEVATION 19.25, 1929 DATUM, BENCHMARK # 2.

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SOUTH 19TH STREET CANAL



NOTE: ALL WATER LINE BEHIND DDC IS FIRE SERVICE PVC DR14

NOTE: FDC MUST BE PLACED ON THE DISCHARGE SIDE OF THE DDC

EX. MANHOLE RIM=20.74 INV. EL. 16.54 (SW) INV. EL. 16.64 (NE)

MH-20 RIM=20.75 INV. EL. 16.31 (S) INV. EL. 16.41± (NE) EXISTING

LEGEND

8" WM	PROPOSED WATER MAIN
Gate Valve Symbol	PROPOSED GATE VALVE
Fire Hydrant Symbol	PROPOSED FIRE HYDRANT ASSEMBLY WITH VALVE
Fittings Symbol	PROPOSED WATER MAIN FITTINGS (REDUCER, TEE, BENDS)
Existing WM Symbol	EXISTING WATER MAIN
Existing Fittings Symbol	EXISTING WATER MAIN FITTINGS (TEE, GATE VALVE, REDUCER)
Existing Hydrant Symbol	EXISTING FIRE HYDRANT ASSEMBLY WITH VALVE
Proposed SSM Symbol	PROPOSED SANITARY SEWER MAIN
Proposed SSM Manhole Symbol	PROPOSED SANITARY SEWER MANHOLE
Existing SSM Manhole Symbol	EXISTING SANITARY SEWER MANHOLE
Proposed SSW Symbol	PROPOSED STORM SEWER
Proposed SSB Symbol	PROPOSED STORM CATCH BASIN
Light Pole Symbol	EXISTING UTILITIES = LIGHT POLE
Wood Pole Symbol	= WOOD POWER POLE
Fire Hydrant Symbol	= FIRE HYDRANT
Water Valve Symbol	= WATER VALVE
Catch Basin Symbol	= CATCH BASIN
Sanitary Manhole Symbol	= SANITARY MANHOLE
Drainage Manhole Symbol	= DRAINAGE MANHOLE
FPL Transformer Pad Symbol	= FPL TRANSFORMER PAD

WOHLFARTH CONSULTING GROUP LLC
ENGINEERS & PLANNERS

246 N. WESTMORE DRIVE
ALAMOGADO, FL 32714
(407) 750-3123

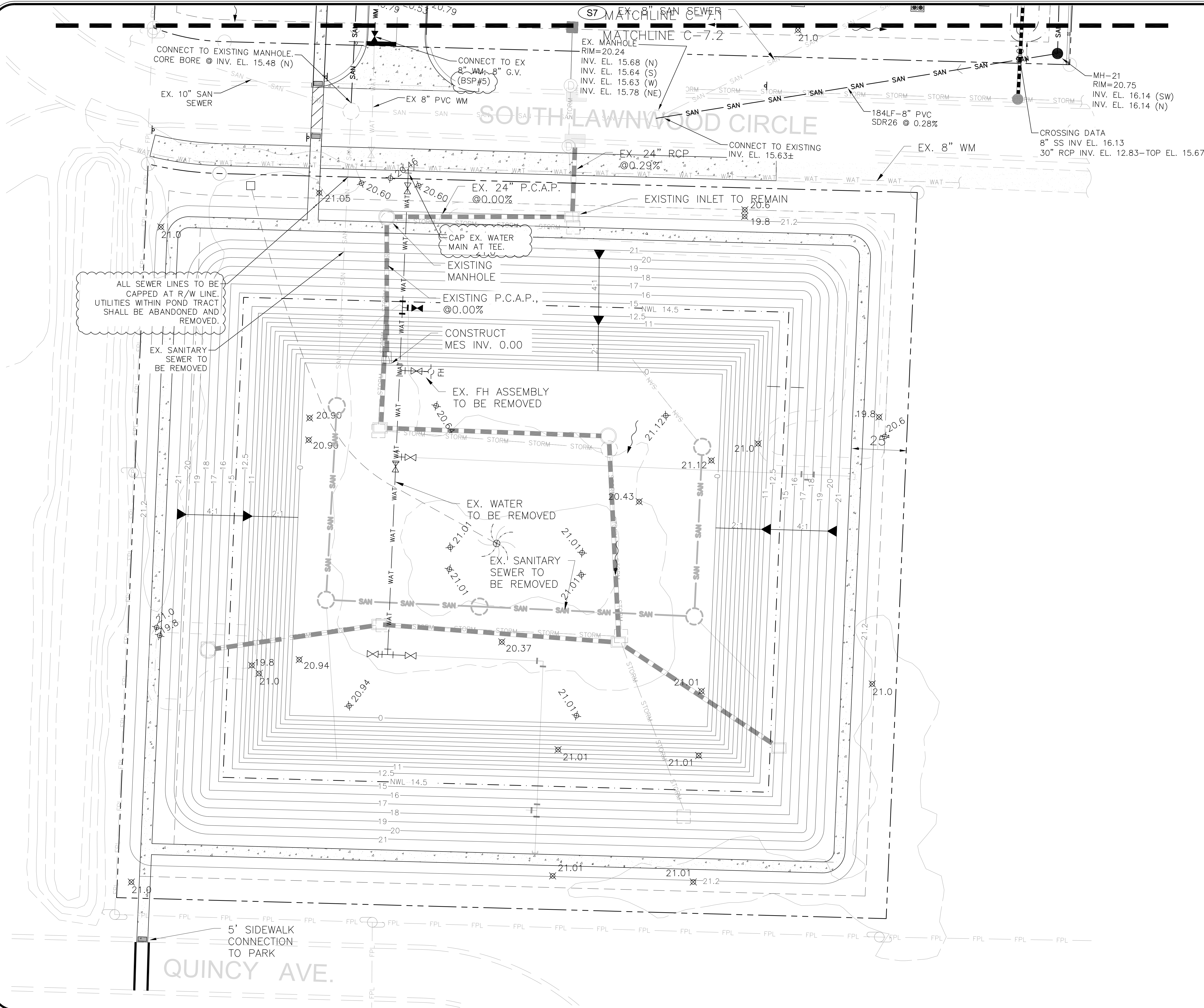
MAYFAIR FORT PIERCE, FLORIDA

WATER AND SEWER PLAN

PROJECT: 2017-004
SHEET: C-7.1
DATE: 9/27/2018

6/18/19

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ALL SEWER LINES TO BE CAPPED AT R/W LINE. UTILITIES WITHIN POND TRACT SHALL BE ABANDONED AND REMOVED.

CONNECT TO EXISTING MANHOLE. CORE BORE @ INV. EL. 15.48 (N)

CONNECT TO EX 8" WM-8" G.V. (BSP#5)

EX. MANHOLE RIM=20.24 INV. EL. 15.68 (N) INV. EL. 15.64 (S) INV. EL. 15.63 (W) INV. EL. 15.78 (NE)

MH-21 RIM=20.75 INV. EL. 16.14 (SW) INV. EL. 16.14 (N)

CONNECT TO EXISTING INV. EL. 15.63±

CROSSING DATA 8" SS INV EL. 16.13 30" RCP INV. EL. 12.83-TOP EL. 15.67

EX. 24" RCP @ 0.29%

CAP EX. WATER MAIN AT TEE.

EXISTING MANHOLE

EXISTING P.C.A.P., @ 0.00%

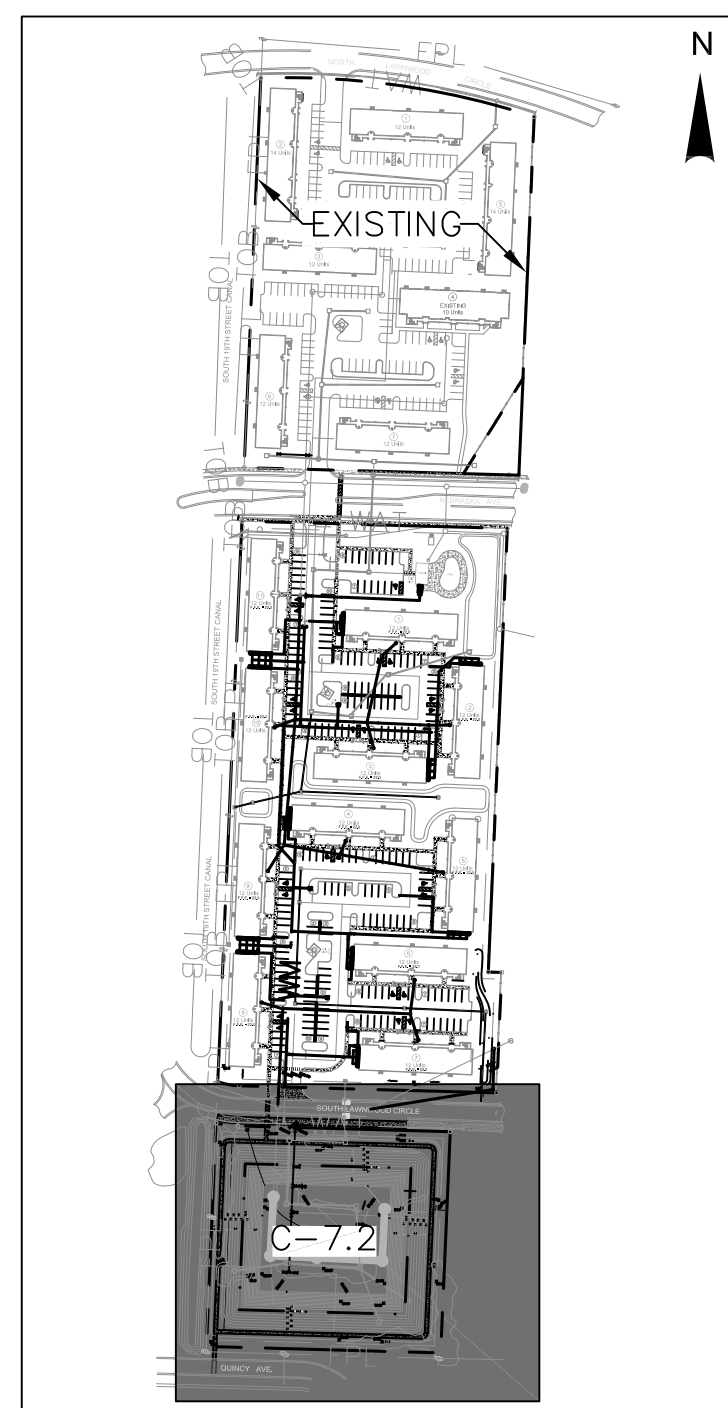
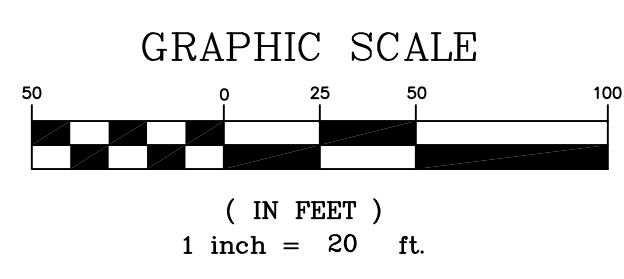
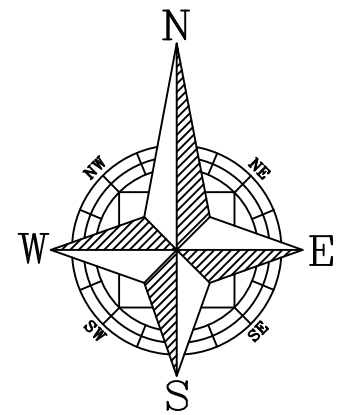
CONSTRUCT MES INV. 0.00

EX. FH ASSEMBLY TO BE REMOVED

EX. WATER TO BE REMOVED

EX. SANITARY SEWER TO BE REMOVED

5' SIDEWALK CONNECTION TO PARK



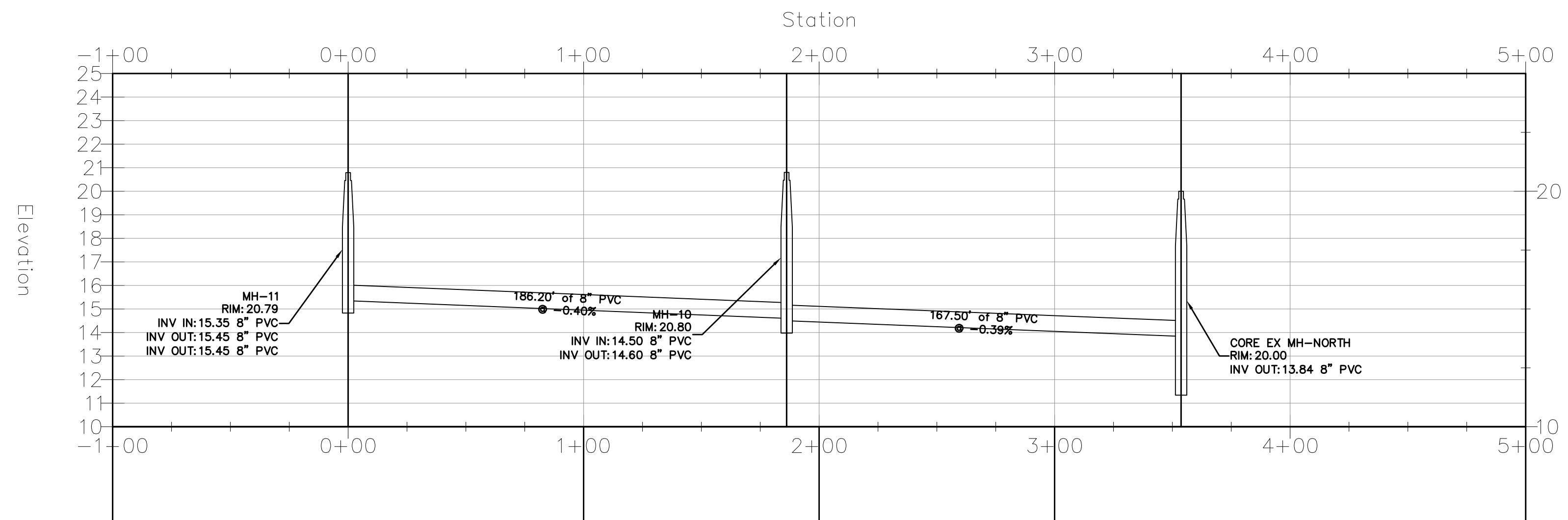
KEY MAP

LEGEND

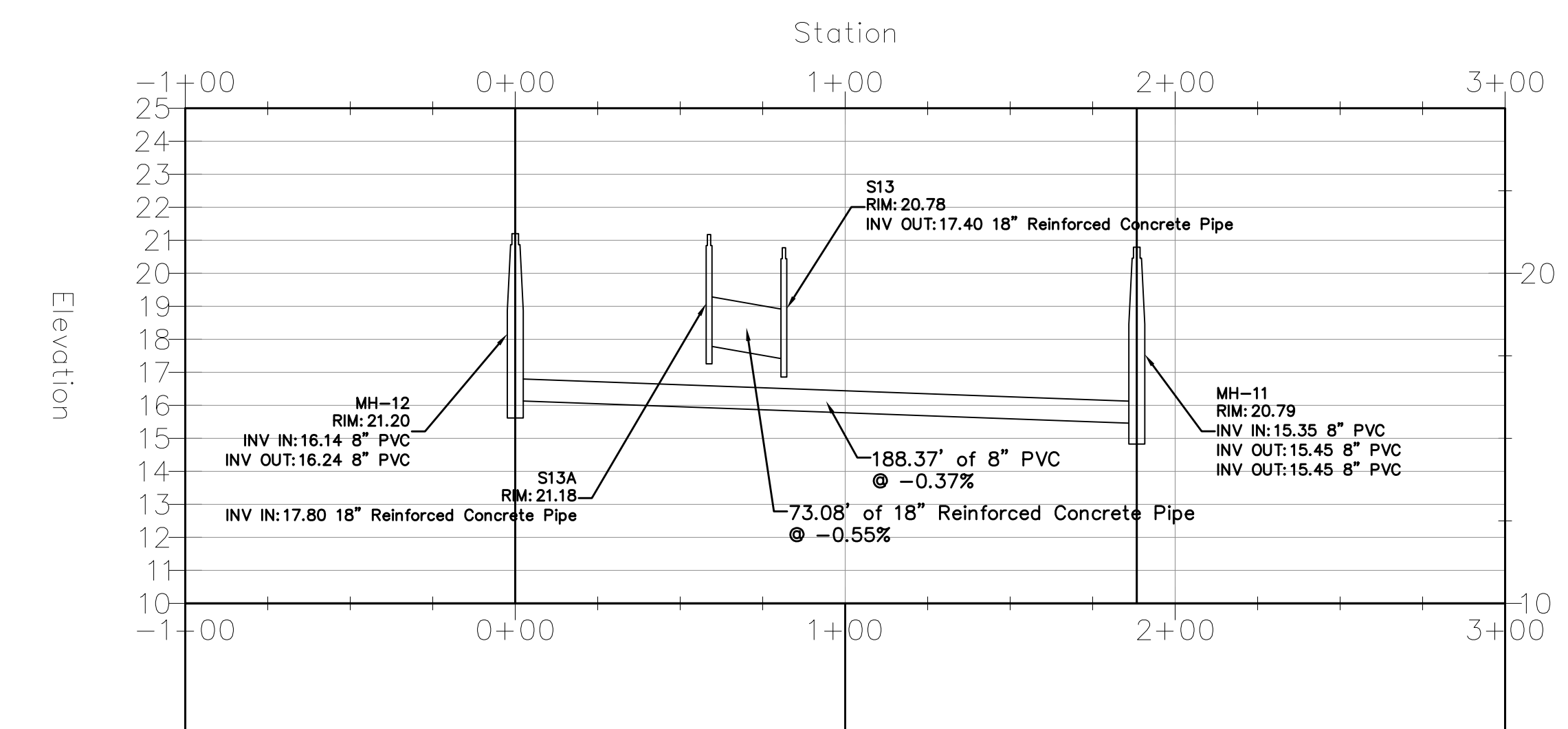
	PROPOSED WATER MAIN
	PROPOSED GATE VALVE
	PROPOSED FIRE HYDRANT ASSEMBLY WITH VALVE
	PROPOSED WATER MAIN FITTINGS (REDUCER, TEE, BENDS)
	EXISTING WATER MAIN
	EXISTING WATER MAIN FITTINGS (TEE, GATE VALVE, REDUCER)
	EXISTING FIRE HYDRANT ASSEMBLY WITH VALVE
	PROPOSED SANITARY SEWER MAIN
	PROPOSED SANITARY SEWER MANHOLE
	EXISTING SANITARY SEWER MAIN
	EXISTING SANITARY SEWER MANHOLE
	PROPOSED STORM SEWER
	PROPOSED STORM CATCH BASIN
	EXISTING UTILITIES
	= LIGHT POLE
	= WOOD POWER POLE
	= FIRE HYDRANT
	= WATER VALVE
	= CATCH BASIN
	= SANITARY MANHOLE
	= DRAINAGE MANHOLE
	= FPL TRANSFORMER PAD

<p>WOHLFARTH CONSULTING GROUP LLC ENGINEERS & PLANNERS</p> <p>246 N. WESTMORE DRIVE ALABAMA CITY, AL 36714 (407) 750-3123 ORLANDO</p>		<p>MAYFAIR FORT PIERCE, FLORIDA</p>		<p>WATER AND SEWER PLAN</p>	
		<p>SCALE: 1" = 20'</p>	<p>PROJECT: 2017-004</p>	<p>SHEET: C-7.2</p>	<p>DATE: 9/27/2018</p>
<p>DRAWN: DM</p>	<p>DESIGNED: DM</p>	<p>CHECKED: RW</p>	<p>DATE: 9/27/2018</p>	<p>BY: [Blank]</p>	<p>DESCRIPTION: [Blank]</p>
<p>6/18/19</p> <p><small>NOT TO BE FILED FOR RECORD UNLESS SIGNED AND DATED WITH THE ORIGINAL SET OF RECORDS. WOHLFARTH CONSULTING GROUP, INC. ALABAMA CITY, AL 36714</small></p>					

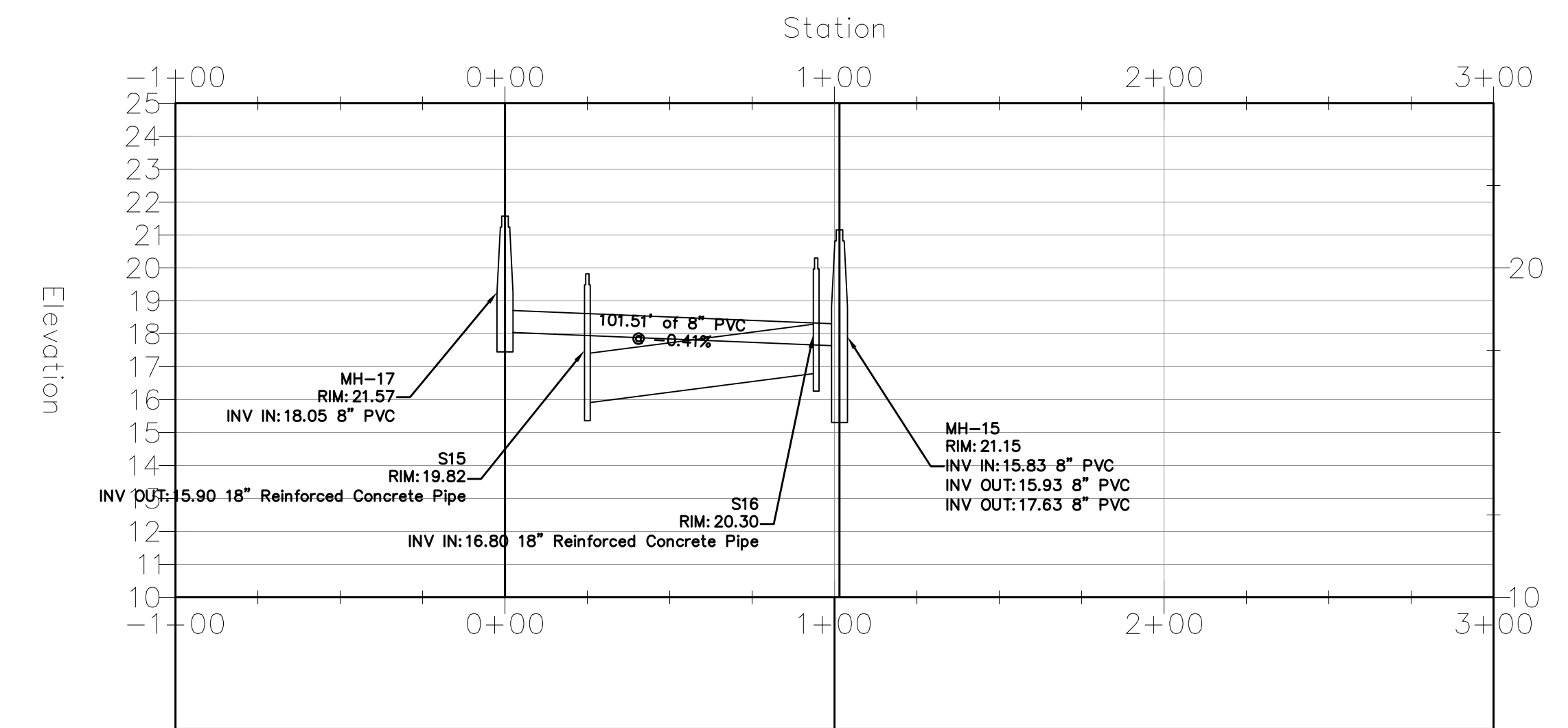
Alignment - SS - MH-11 to Core MH-North PROFILE



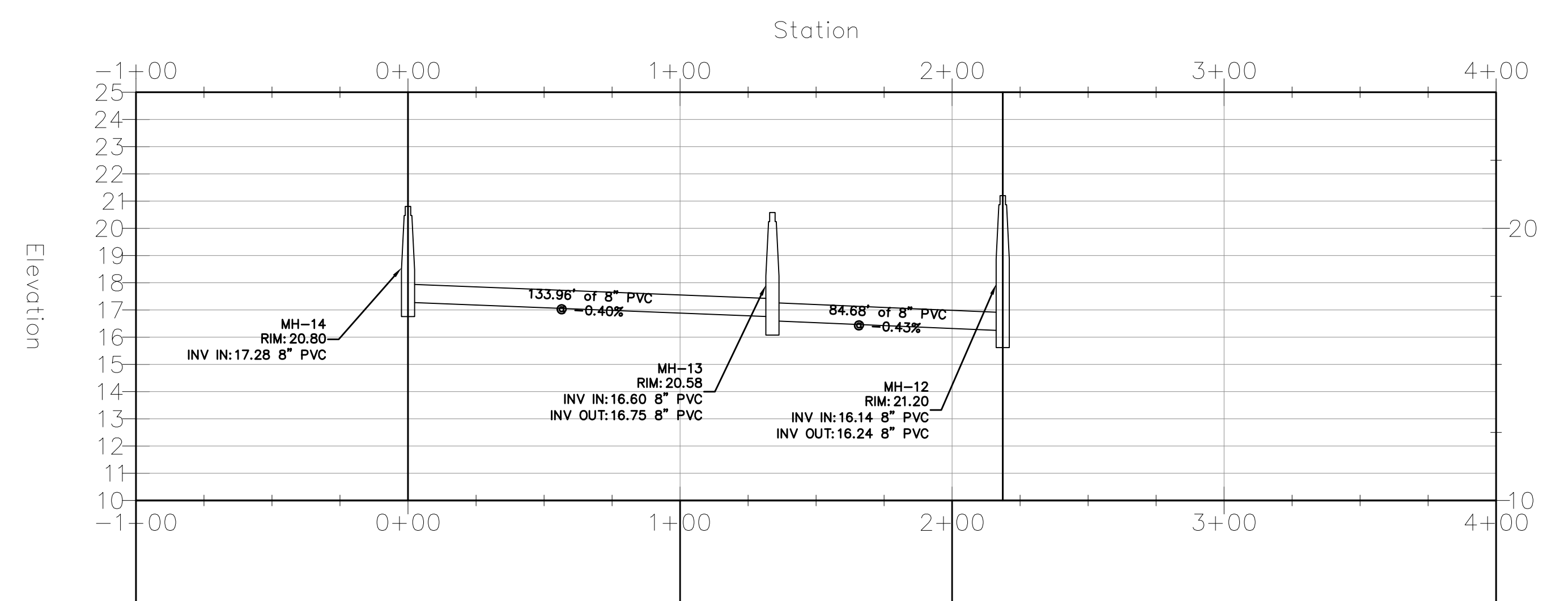
Alignment - SS - MH-12 to MH-11 PROFILE



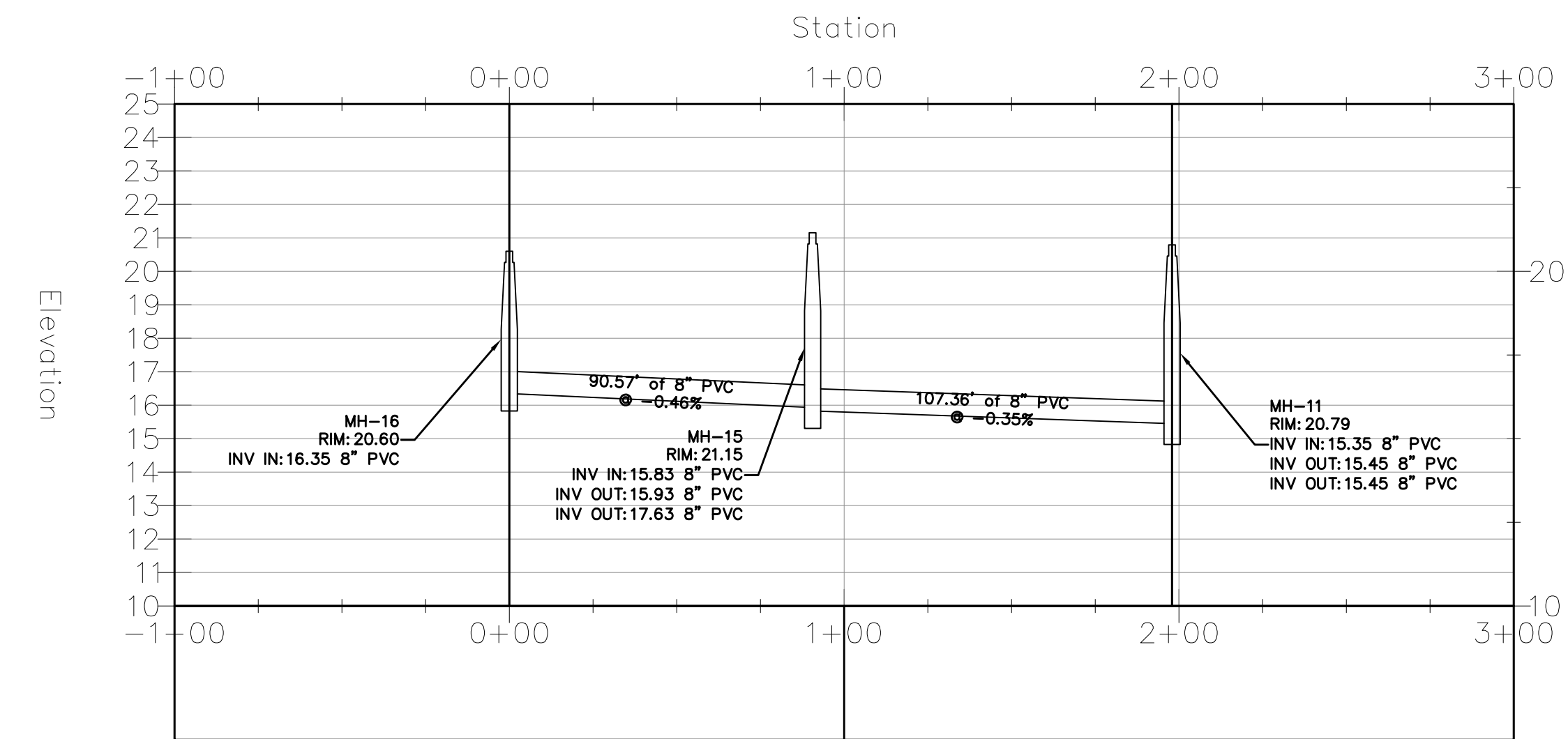
Alignment - SS - MH-17 to MH-15 PROFILE



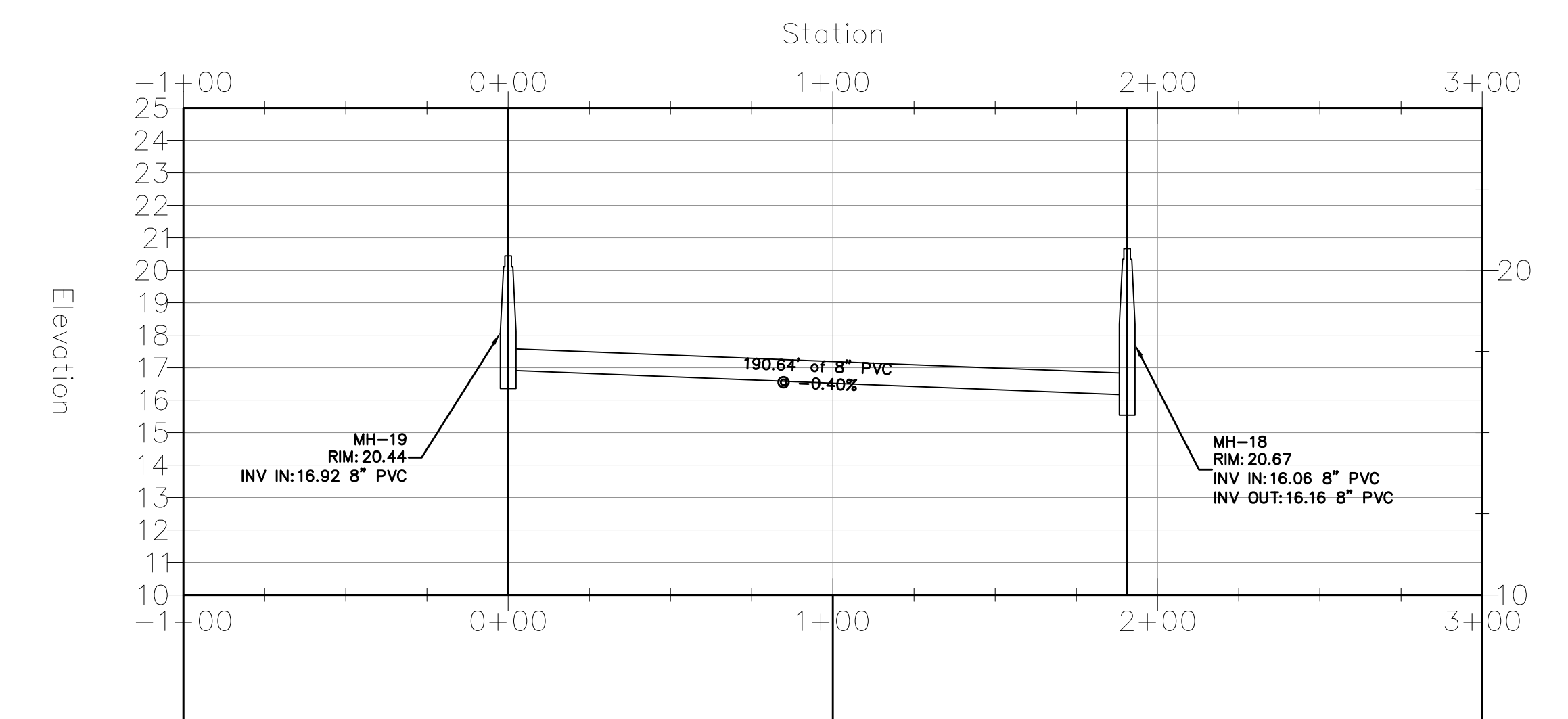
Alignment - SS - MH-14 to MH-12 PROFILE



Alignment - SS - MH-16 to MH-11 PROFILE

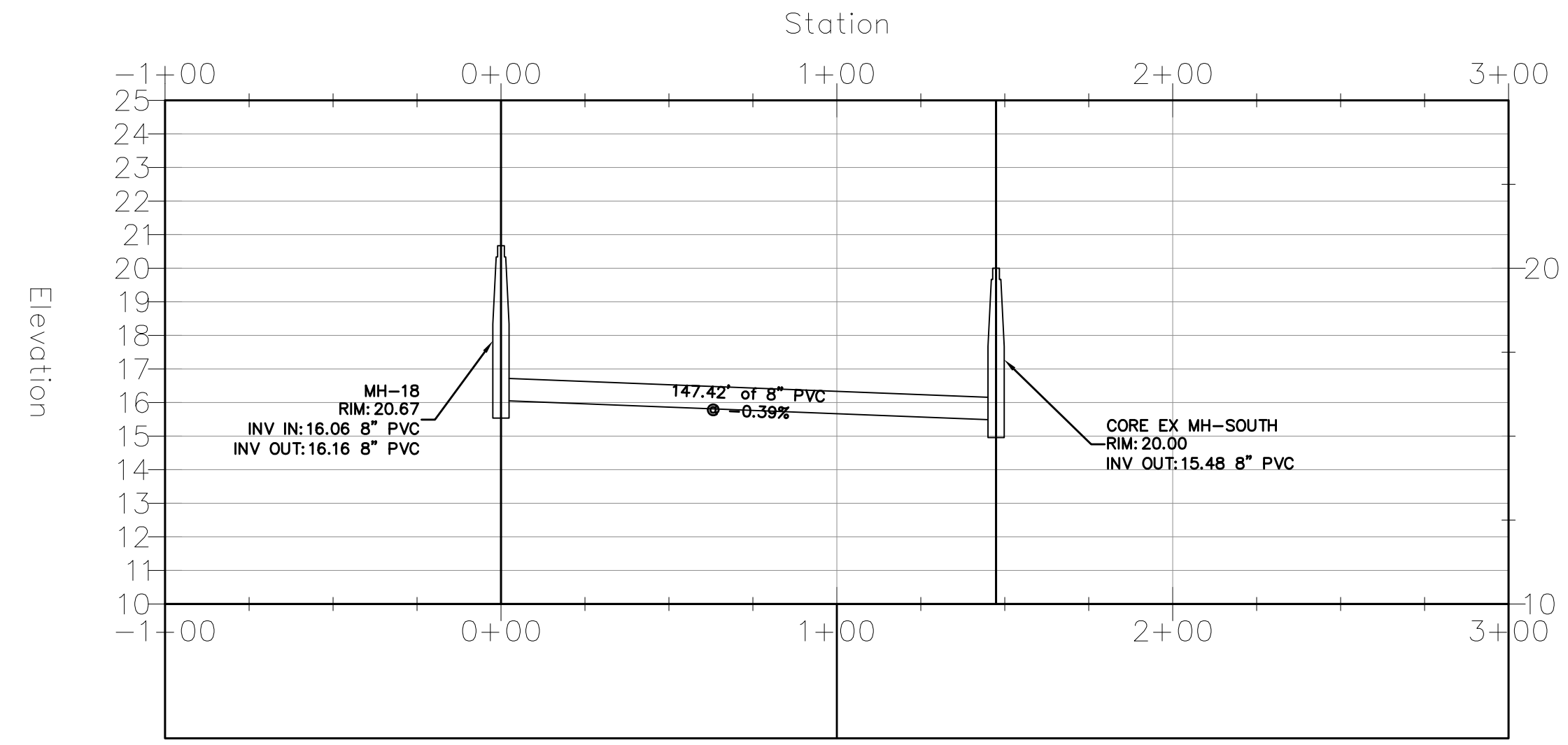



Alignment - SS - MH-19 to MH-18 PROFILE

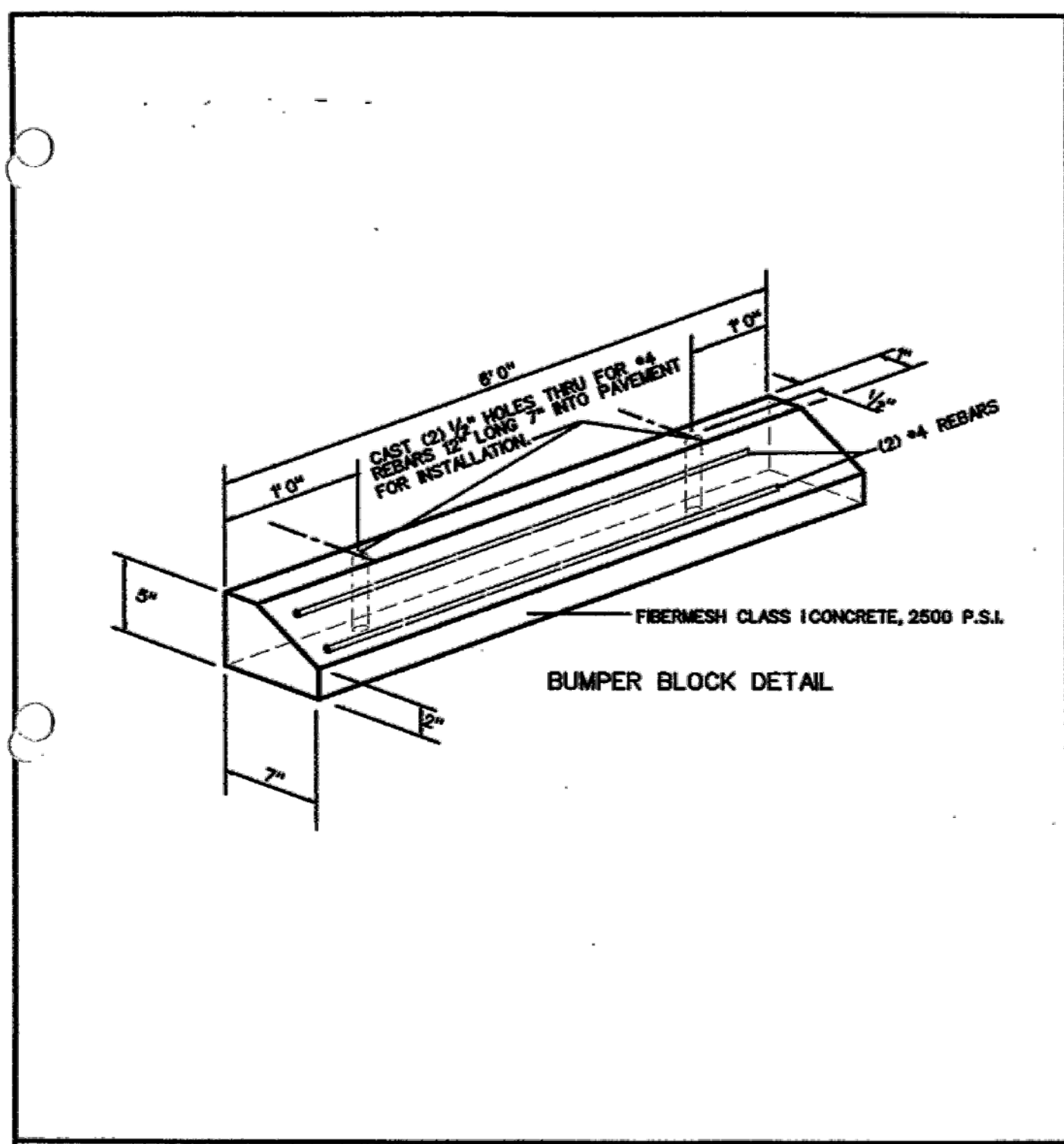


WOHLFARTH CONSULTING GROUP LLC		ENGINEERS & PLANNERS		246 N. WESTMOORE DRIVE ALAMOUNTA, FLORIDA 32714 (407) 750-3123		ORLANDO	
MAYFAIR FORT PIERCE, FLORIDA		SANITARY SEWER - PROFILES		DRAWN: DM		DESIGNED: DM	
SCALE: N/A		PROJECT: 2017-004		CHECKED: RW		DATE: 9/4/2018	
SHEET: C-7.3		SHEET: C-7.3		DATE: 9/4/2018		DATE: 9/4/2018	
W GROUP LAND DEVELOPMENT & ENGINEERING SERVICES BUSINESS NO. 32108							
9/4/18 NOT TO BE FILED FOR RECORD UNLESS SIGNED AND DATED WITH THE ORIGINAL SEAL OF REGISTERED PROFESSIONAL ENGINEER.							

Alignment - SS - MH-18 to Core MH-South PROFILE



SCALE N/A	DRAWN: DM	DESIGNED: DM	CHECKED: RW	DATE: 9/4/2018		REV.	DATE	DESCRIPTION	BY
PROJECT 2017-004					MAYFAIR FORT PIERCE, FLORIDA	A			
SHEET C-7.4					SANITARY SEWER -PROFILES	A			
					WOHLFARTH CONSULTING GROUP LLC ENGINEERS & PLANNERS <small>246 N. WESTMOORE DRIVE ALAMOGADO, FLORIDA 32714 (407) 750-3123 ORLANDO</small>				
BUSINESS NO. 32108									
<small>9/4/18 NOT TO BE FILED FOR RECORD UNLESS SIGNED AND DATED WITH THE ORIGINAL SEAL OF REGISTERED PROFESSIONAL ENGINEER WOHLFARTH, FLORIDA, P.E. 30564</small>									



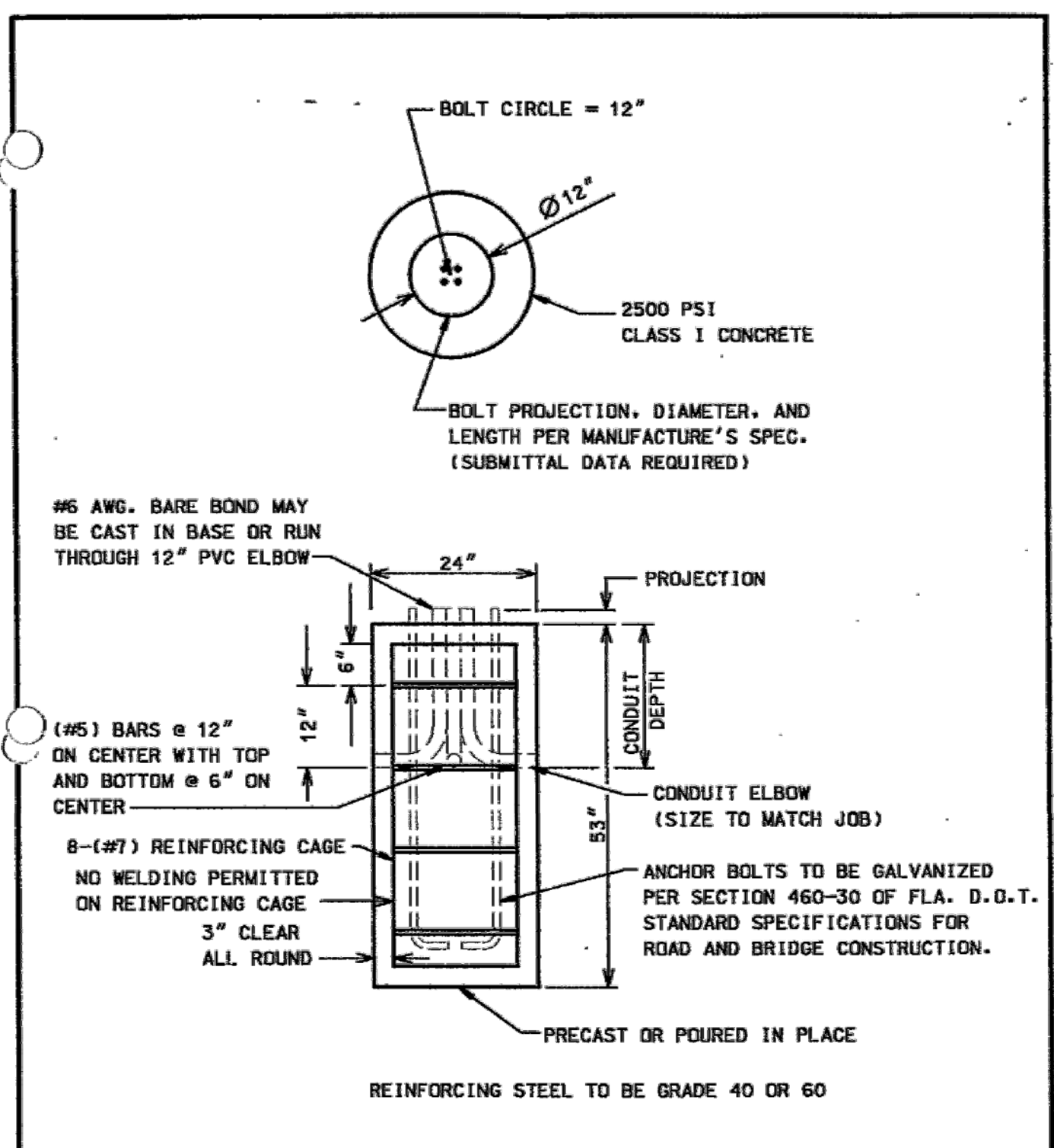
CITY OF FORT PIERCE • DEPARTMENT OF ENGINEERING
TECHNICAL SPECIFICATIONS AND DETAILS

BUMPER BLOCK DETAIL

SCALE: N.T.S. | ISSUED AUGUST 1998

REVISIONS

SHEET No. PL1



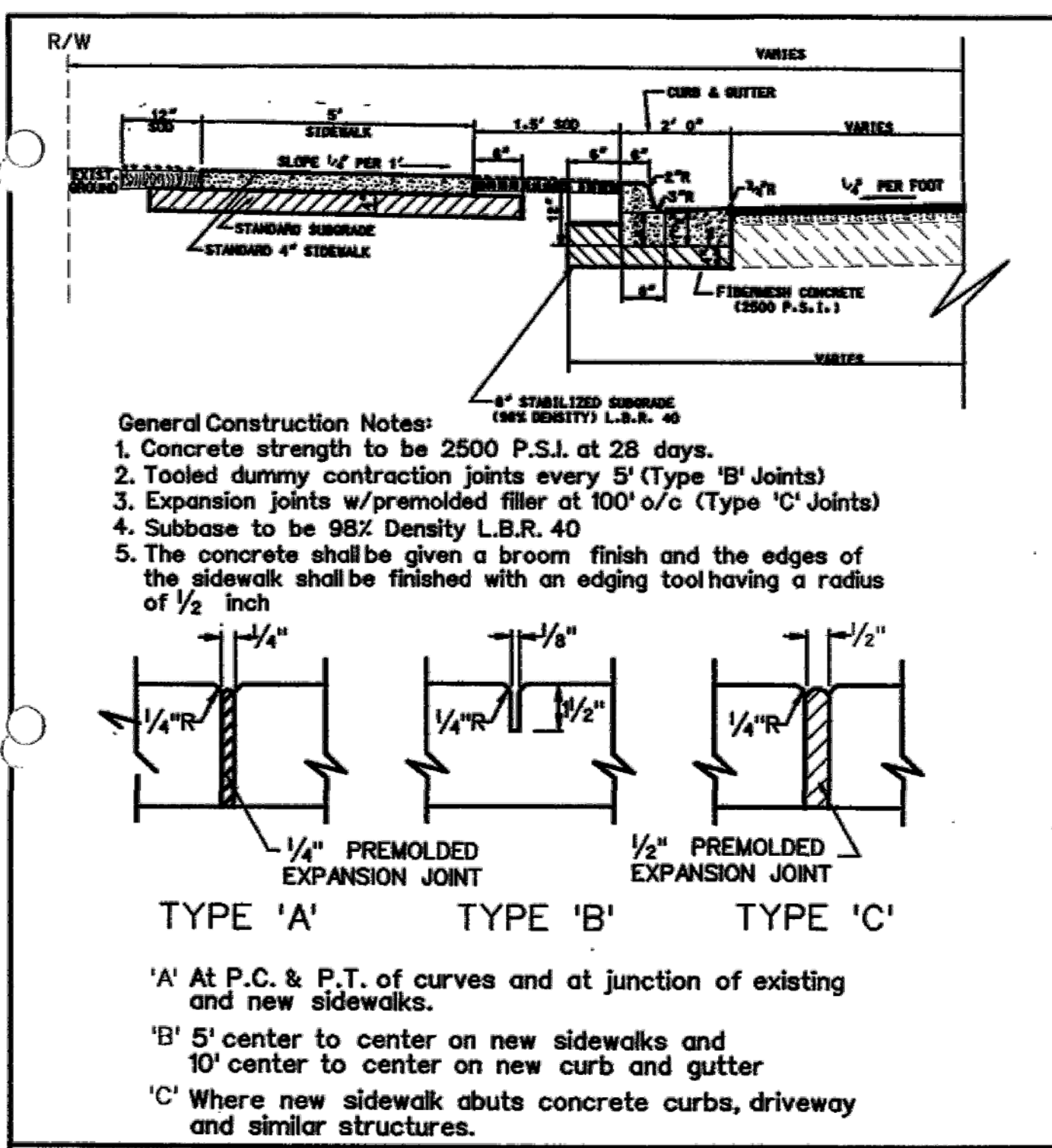
CITY OF FORT PIERCE • DEPARTMENT OF ENGINEERING
TECHNICAL SPECIFICATIONS AND DETAILS

DECORATIVE POLE CONCRETE FOUNDATION DETAIL

SCALE: N.T.S. | ISSUED OCTOBER 2000

REVISIONS

SHEET No. SW8



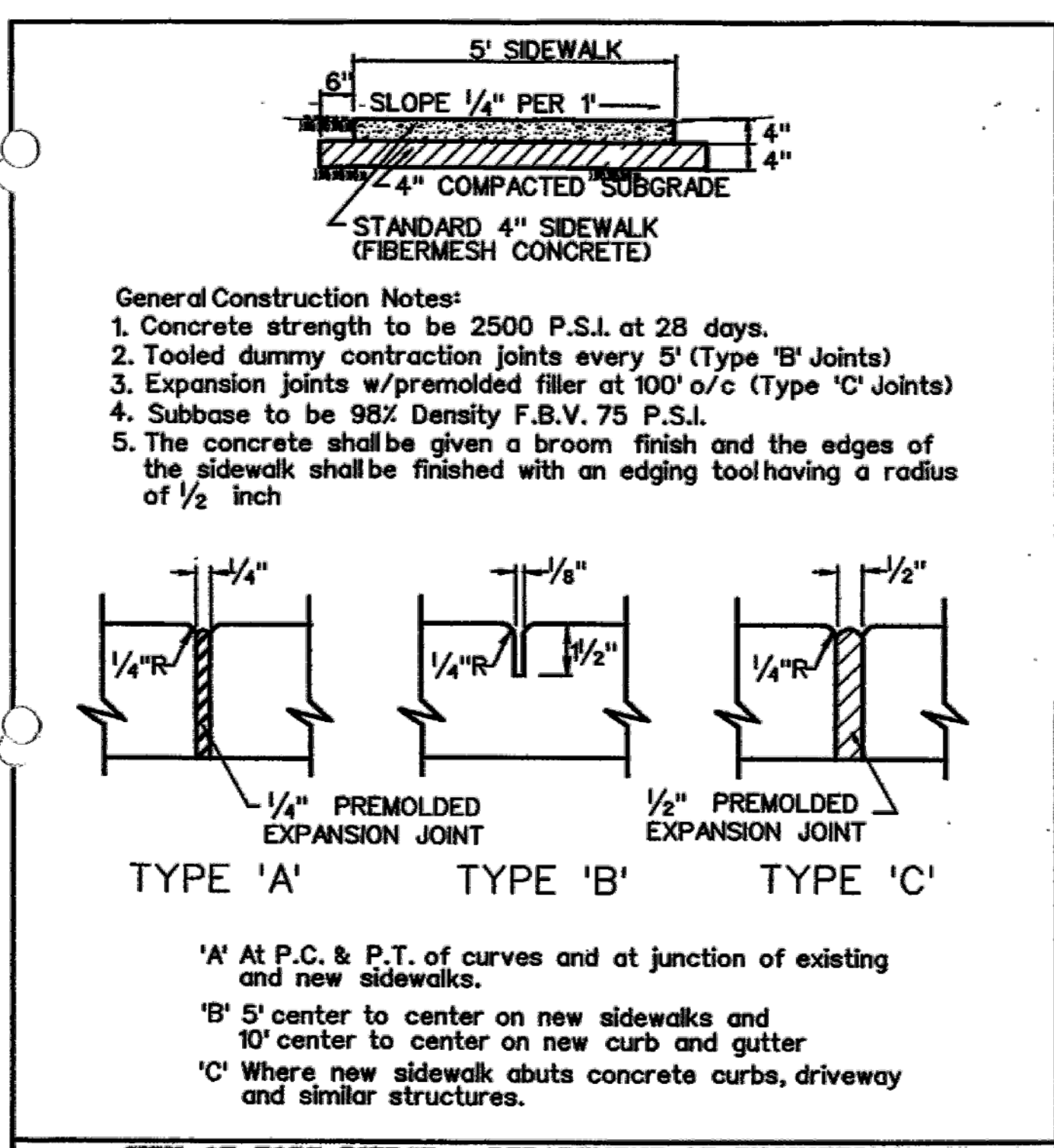
CITY OF FORT PIERCE • DEPARTMENT OF ENGINEERING
TECHNICAL SPECIFICATIONS AND DETAILS

SIDEWALK WITH GRASS AND CURB DETAIL

SCALE: N.T.S. | ISSUED AUGUST 1998

REVISIONS

SHEET No. SW1



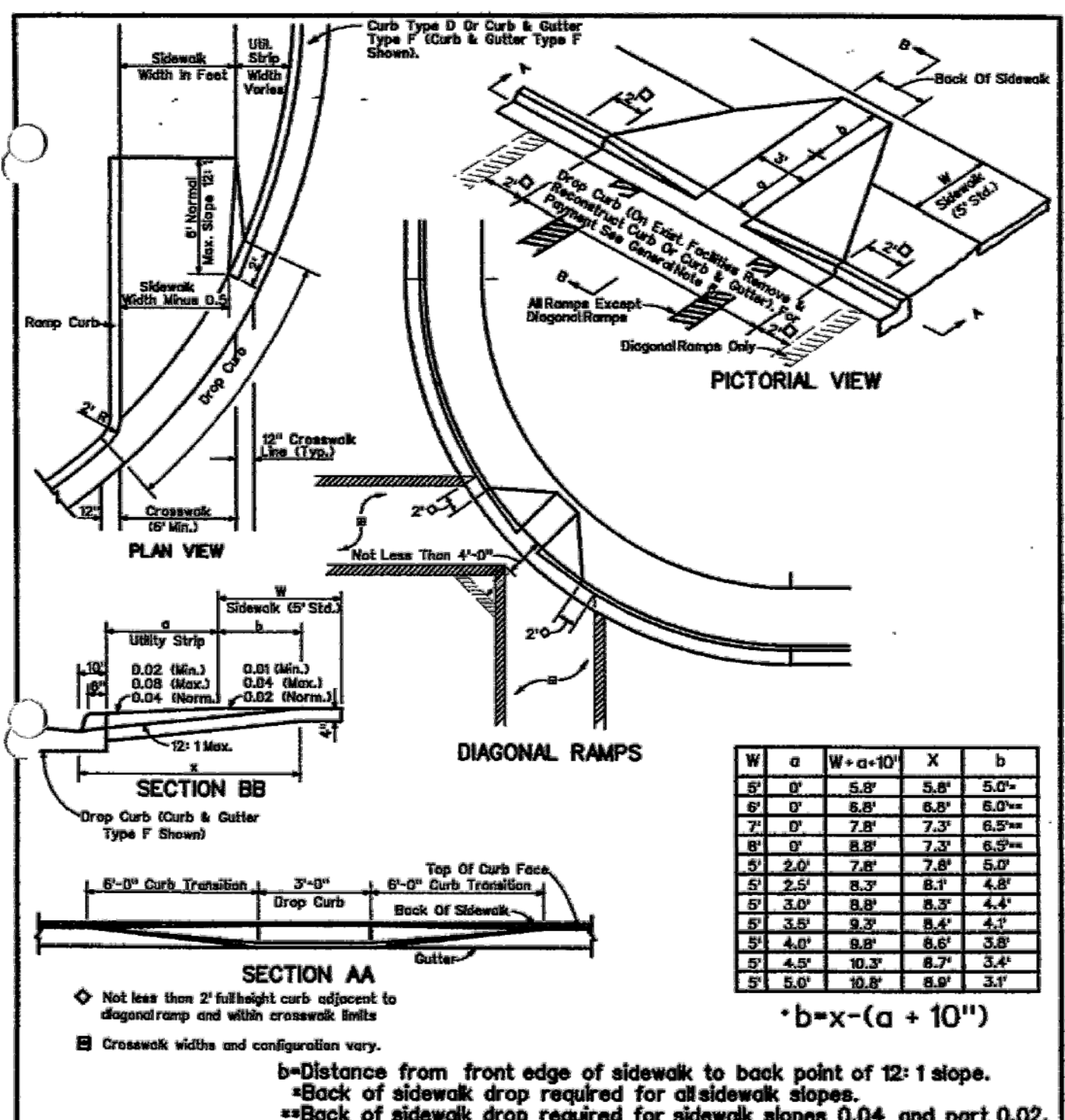
CITY OF FORT PIERCE • DEPARTMENT OF ENGINEERING
TECHNICAL SPECIFICATIONS AND DETAILS

TYPICAL 4" SIDEWALK DETAIL

SCALE: N.T.S. | ISSUED AUGUST 1998

REVISIONS

SHEET No. SW2



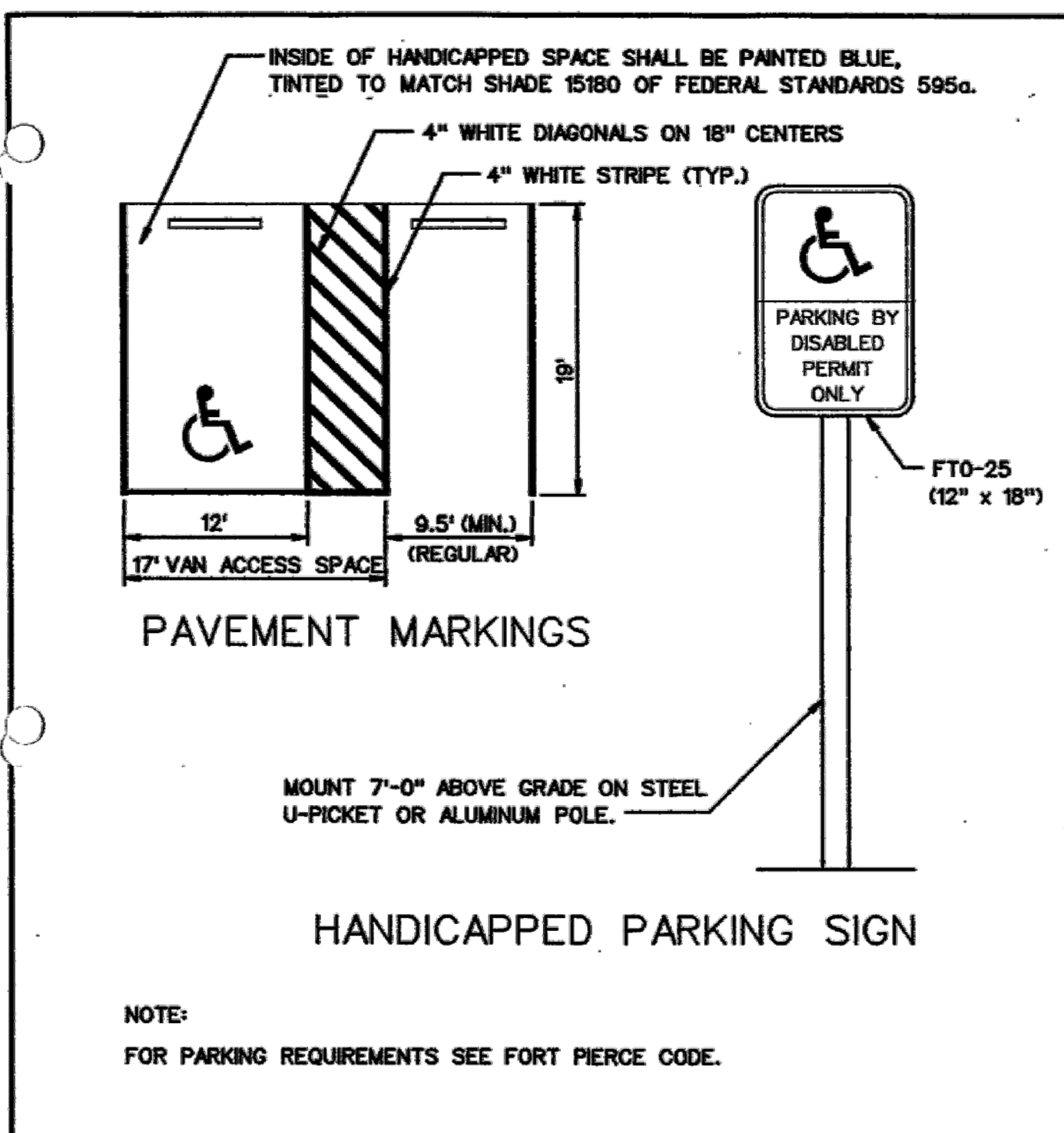
CITY OF FORT PIERCE • DEPARTMENT OF ENGINEERING
TECHNICAL SPECIFICATIONS AND DETAILS

HANDICAP RAMPS

SCALE: N.T.S. | ISSUED AUGUST 1998

REVISIONS

SHEET No. SW5



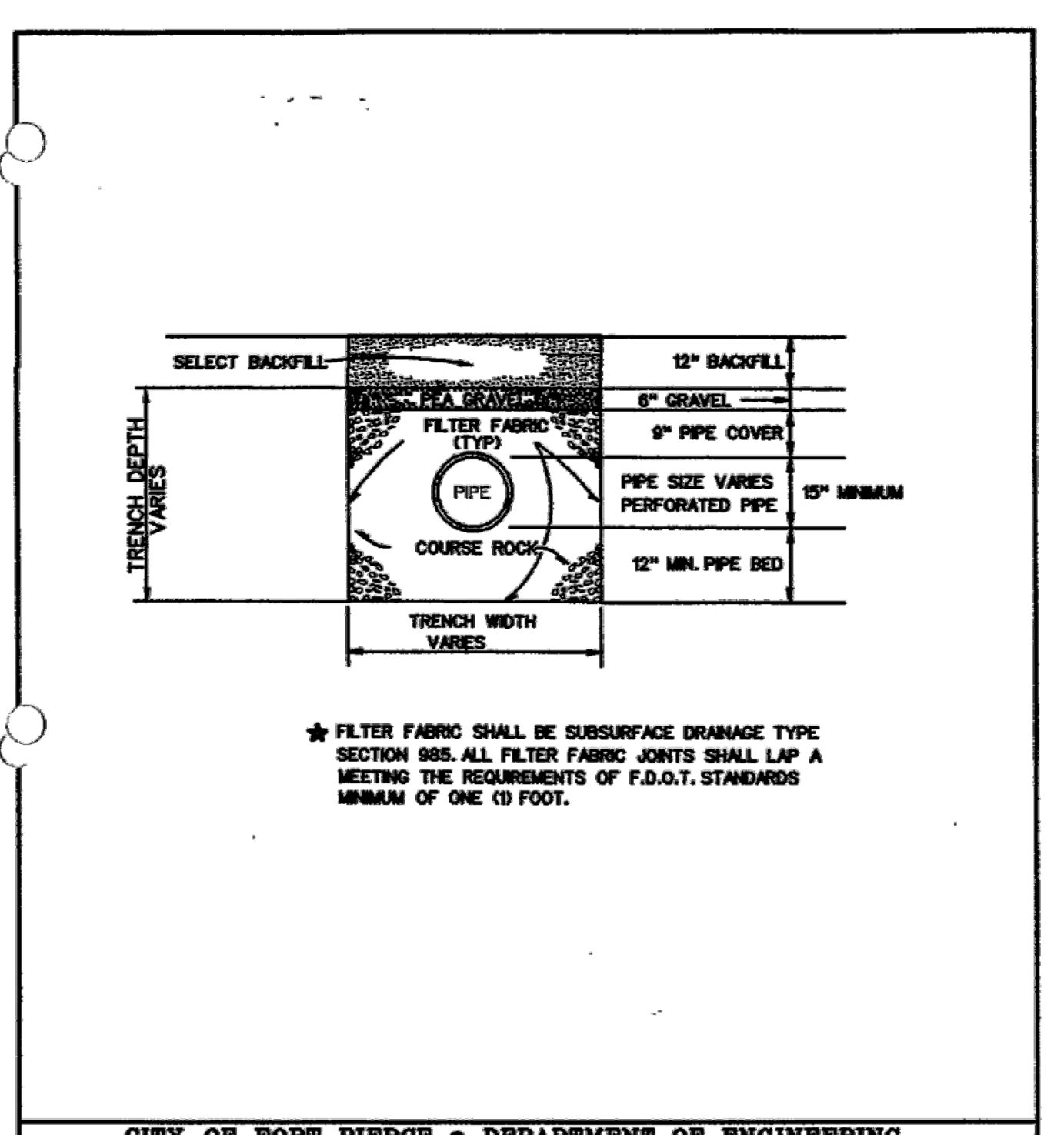
CITY OF FORT PIERCE • DEPARTMENT OF ENGINEERING
TECHNICAL SPECIFICATIONS AND DETAILS

HANDICAPPED AND REGULAR PARKING DETAIL

SCALE: N.T.S. | ISSUED AUGUST 1998

REVISIONS

SHEET No. PL2



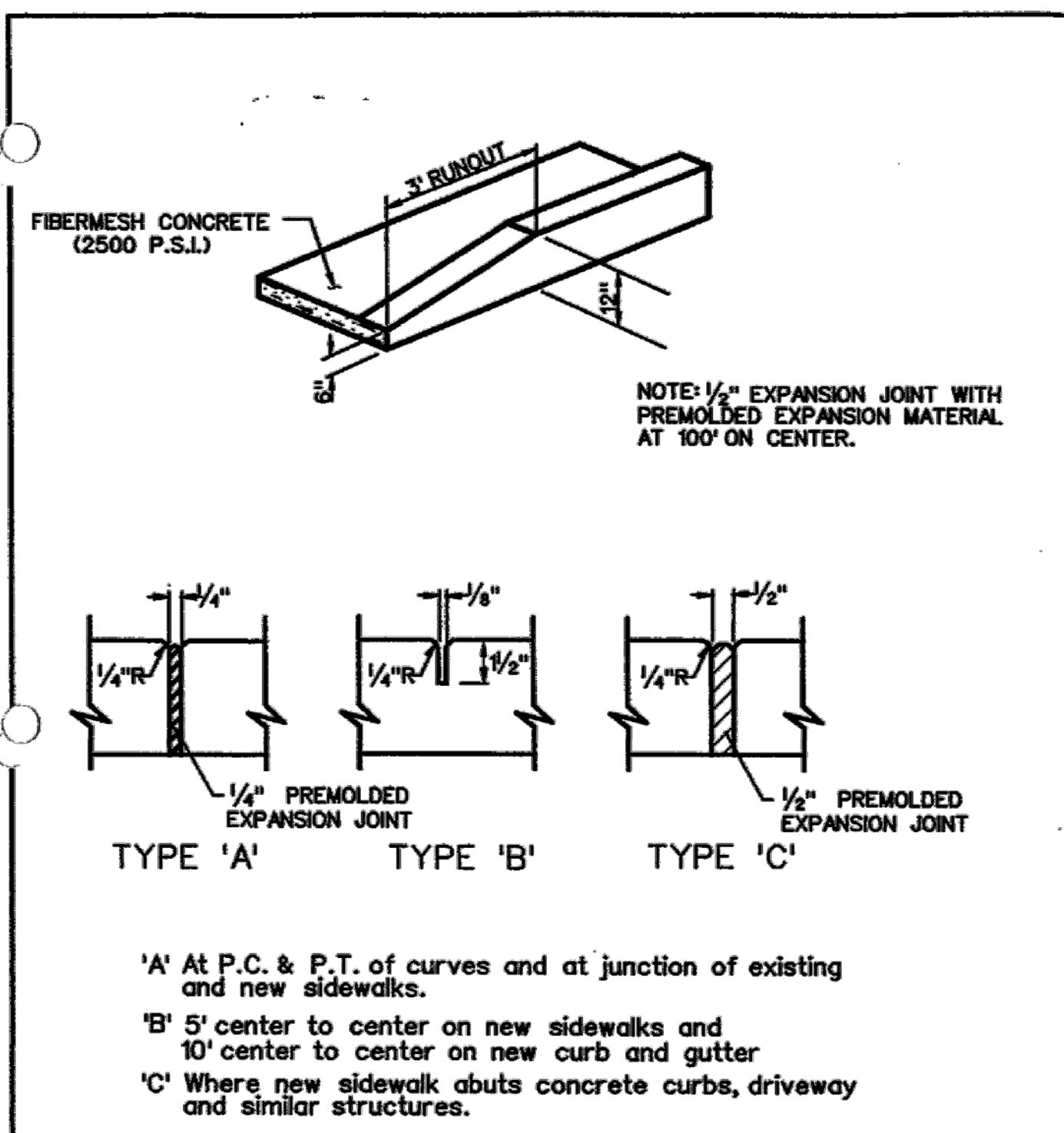
CITY OF FORT PIERCE • DEPARTMENT OF ENGINEERING
TECHNICAL SPECIFICATIONS AND DETAILS

EXFILTRATION TRENCH DETAIL

SCALE: N.T.S. | ISSUED AUGUST 1998

REVISIONS

SHEET No. ET1



CITY OF FORT PIERCE • DEPARTMENT OF ENGINEERING
TECHNICAL SPECIFICATIONS AND DETAILS

TERMINAL CURB DETAIL WITH JOINT DETAILS

SCALE: N.T.S. | ISSUED AUGUST 1998

REVISIONS

SHEET No. CG4

WOHLFARTH CONSULTING GROUP LLC
ENGINEERS & PLANNERS
246 N. WESTMOORE DRIVE
ALBANY, FLORIDA 32314
(907) 750-3123
ORLANDO

MAYFAIR FORT PIERCE, FLORIDA

CONSTRUCTION DETAILS

SCALE: N/A

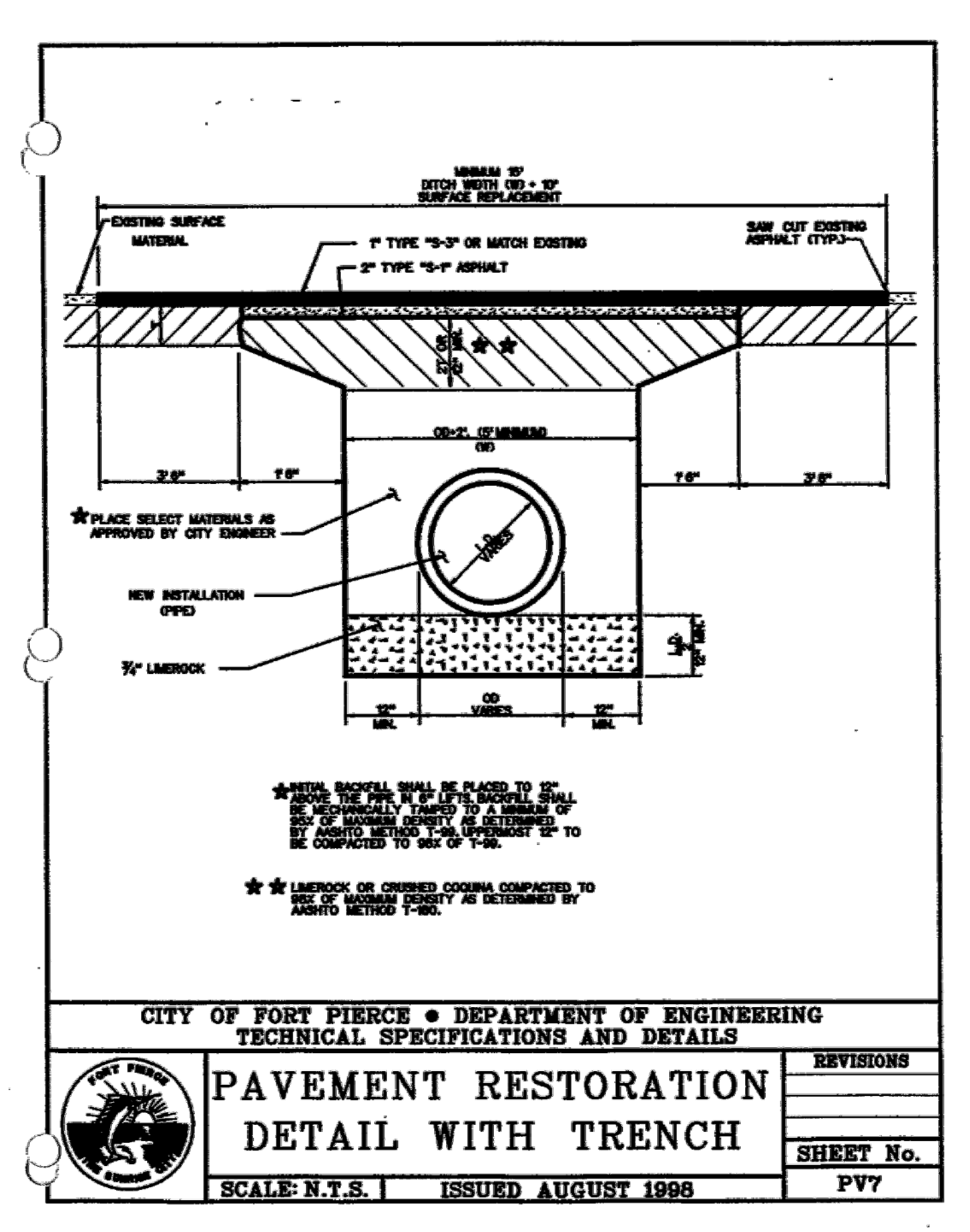
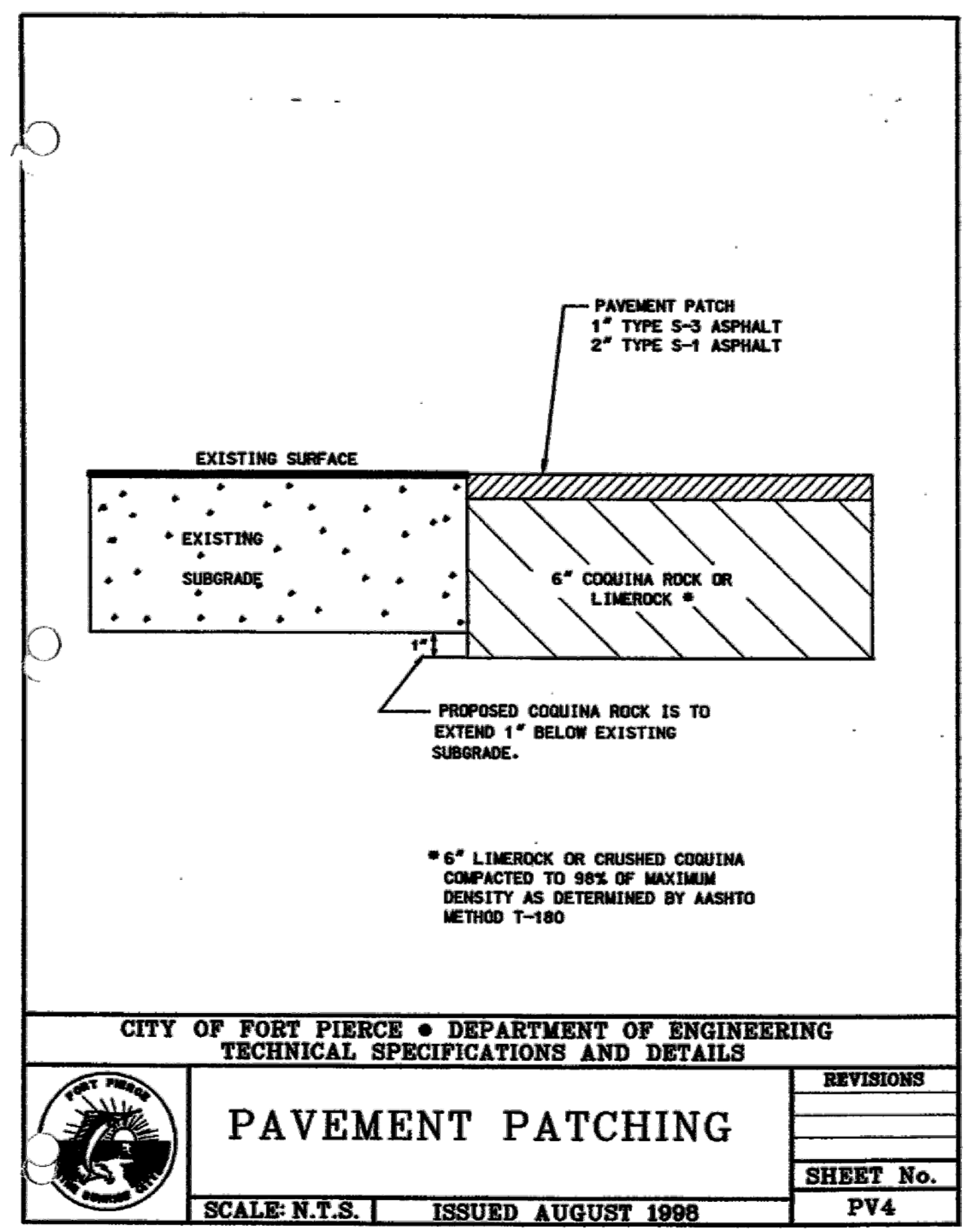
PROJECT: 2017-004

SHEET: C-8.0

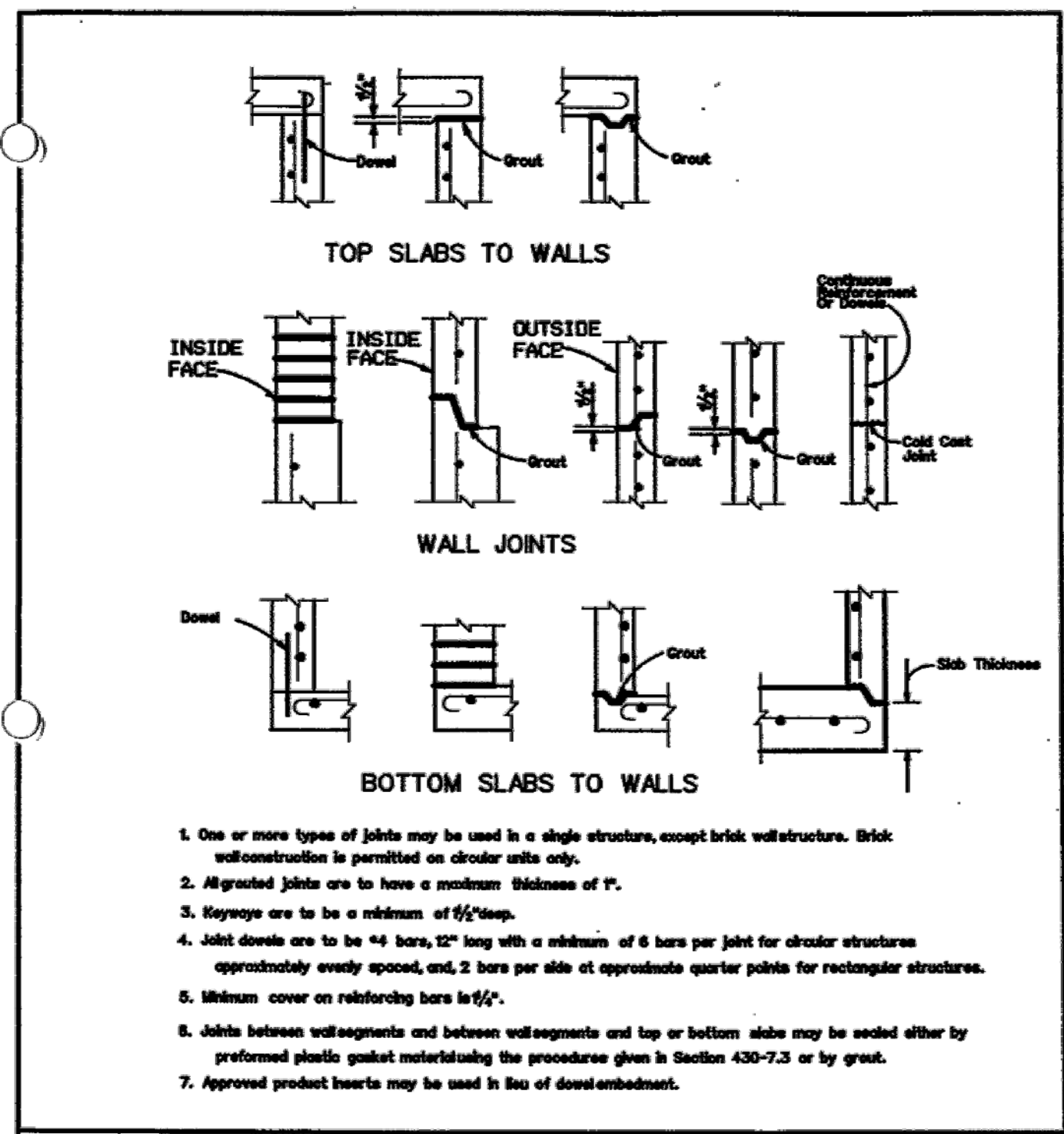
DATE: 8/21/2018

8/22/18

NOT TO BE FILED FOR RECORD UNLESS SIGNED AND DATED WITH THE ORIGINAL SET OF RECORD DRAWINGS BY THE DESIGNER.



WOHLFARTH CONSULTING GROUP LLC ENGINEERS & PLANNERS 246 N. WESTMOORE DRIVE ALHAMBRA, CA 91801 (907) 750-3123 ORLANDO	MAYFAIR FORT PIERCE, FLORIDA CONSTRUCTION DETAILS	SCALE: N/A PROJECT: 2017-004 SHEET: C-8.1	DRAWN: DM DESIGNED: DM CHECKED: RW DATE: 8/21/2018	8/22/18
	BUSINESS NO. 32108	NOT TO BE FILED FOR RECORD UNLESS SIGNED AND DATED WITH THE ORIGINAL SEAL OF REGISTERED PROFESSIONAL ENGINEER, FLORIDA, P.E. 30084		



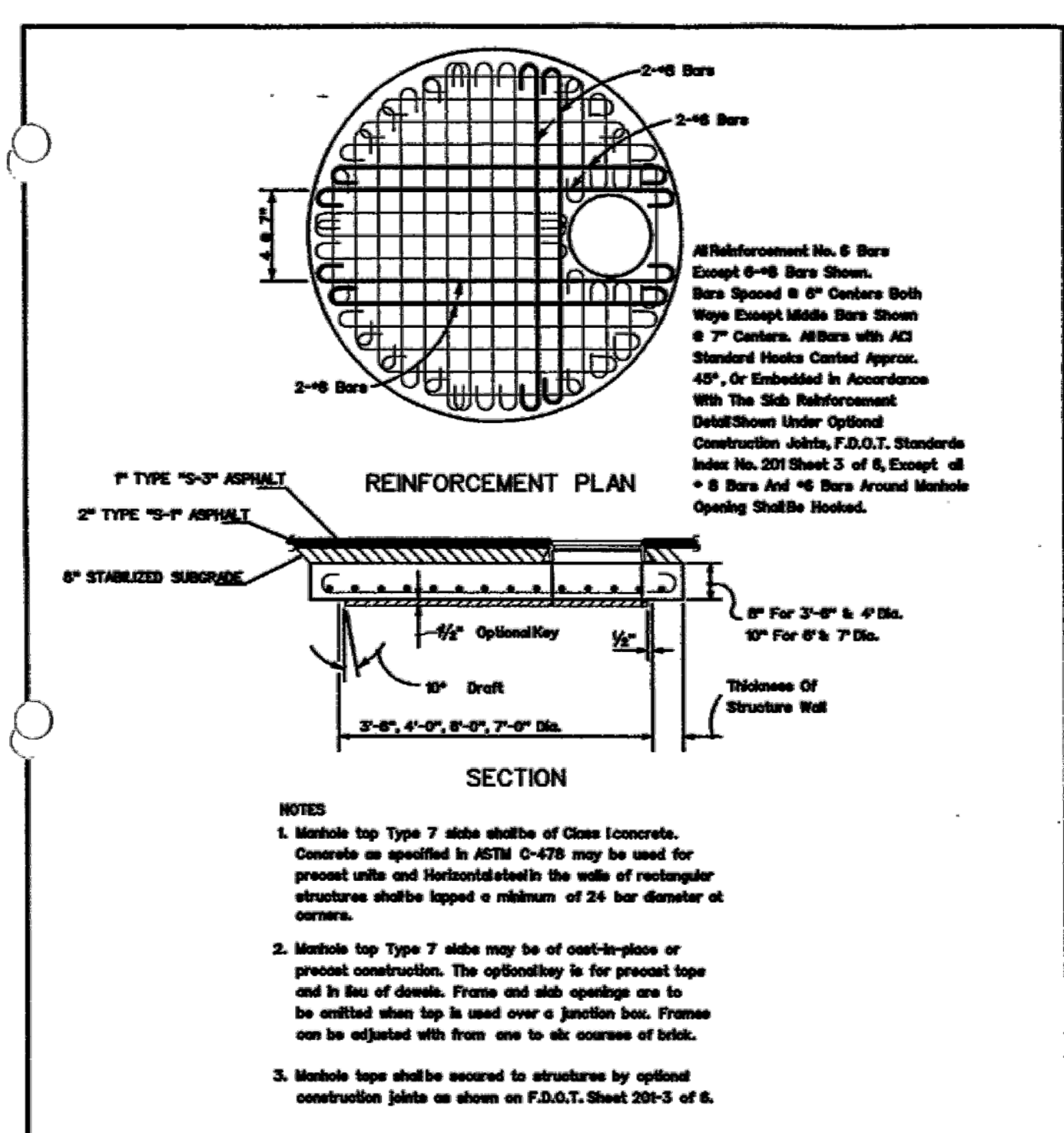
CITY OF FORT PIERCE • DEPARTMENT OF ENGINEERING
TECHNICAL SPECIFICATIONS AND DETAILS

MANHOLE JOINT DETAILS

SCALE: N.T.S. ISSUED AUGUST 1998

REVISIONS

SHEET No. DRA 32



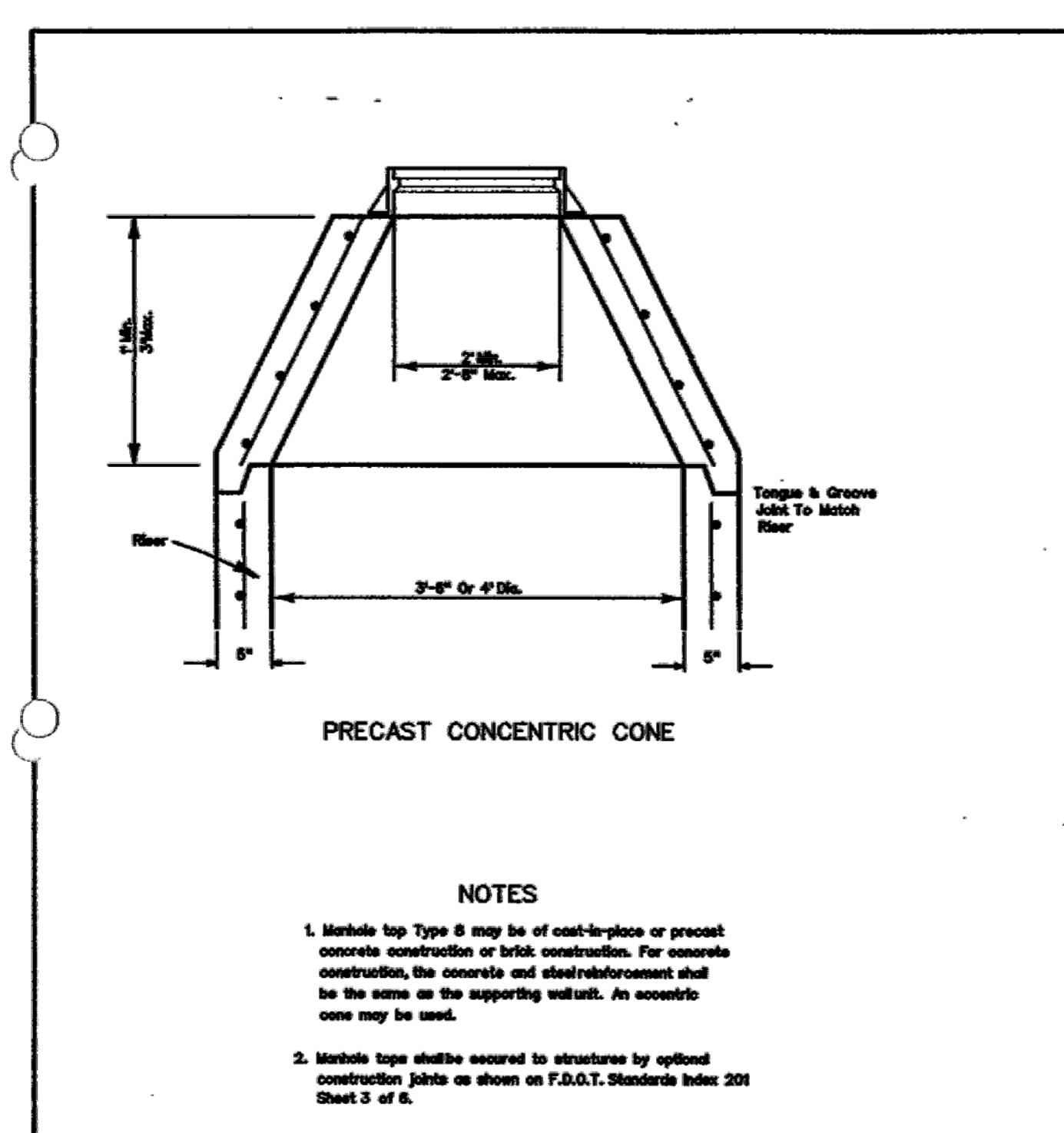
CITY OF FORT PIERCE • DEPARTMENT OF ENGINEERING
TECHNICAL SPECIFICATIONS AND DETAILS

MANHOLE TOP TYPE 7 (TRAFFIC)

SCALE: N.T.S. ISSUED AUGUST 1998

REVISIONS

SHEET No. DRA 27



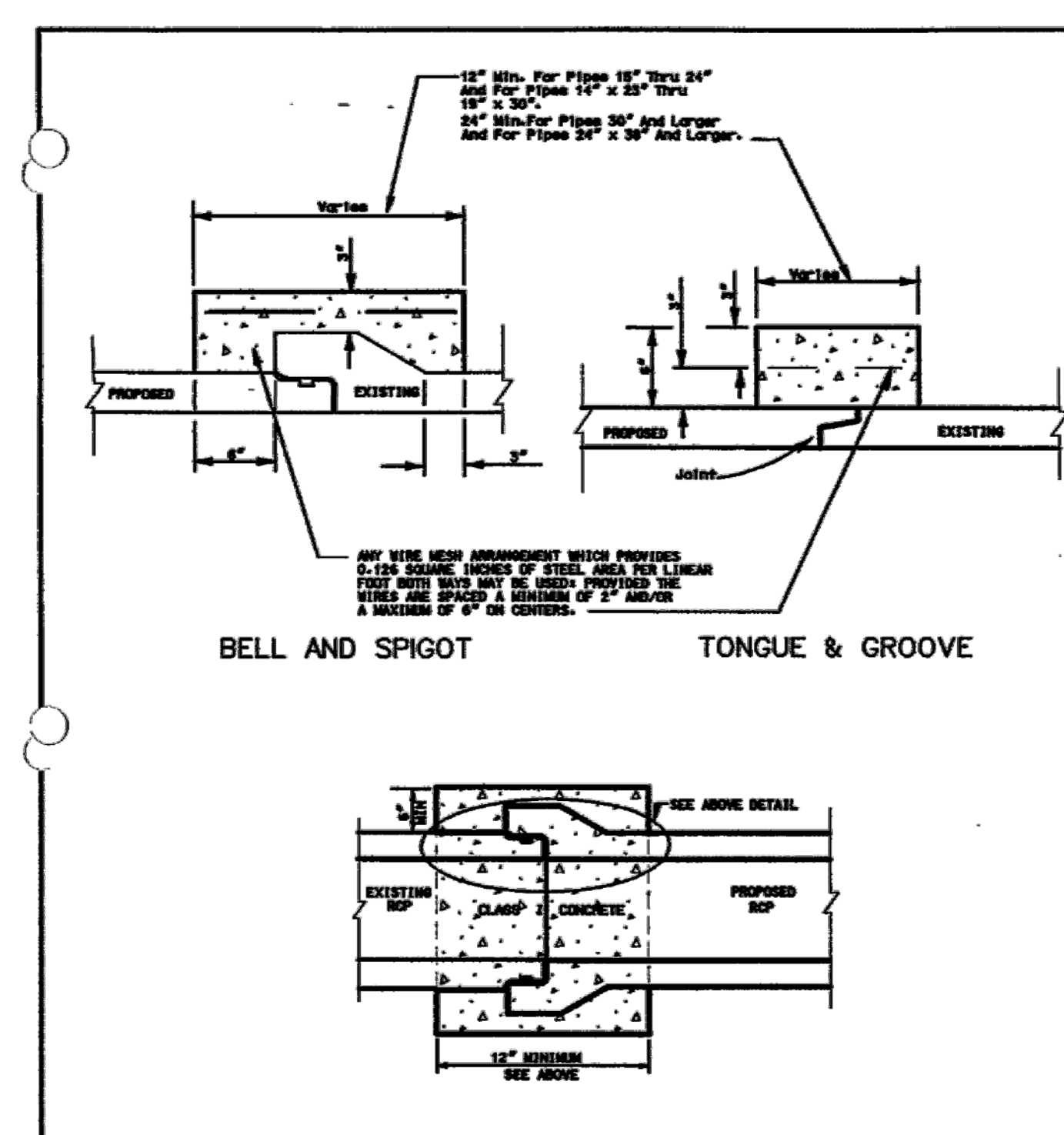
CITY OF FORT PIERCE • DEPARTMENT OF ENGINEERING
TECHNICAL SPECIFICATIONS AND DETAILS

TYPE "8" MANHOLE TOP PRECAST CONCENTRIC CONE

SCALE: N.T.S. ISSUED AUGUST 1998

REVISIONS

SHEET No. DRA 28



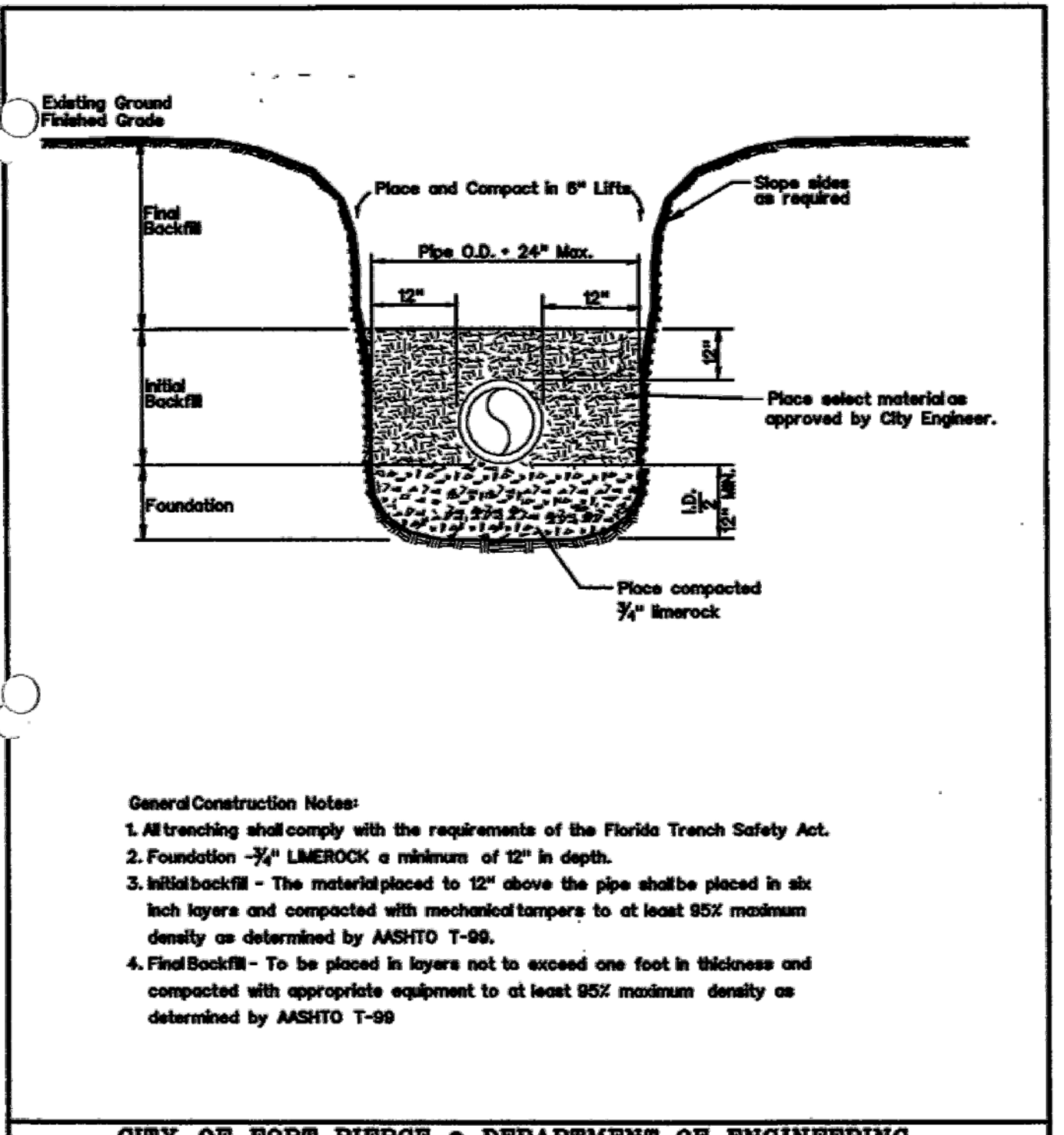
CITY OF FORT PIERCE • DEPARTMENT OF ENGINEERING
TECHNICAL SPECIFICATIONS AND DETAILS

CONCRETE COLLAR JOINT DETAIL

SCALE: N.T.S. ISSUED AUGUST 1998

REVISIONS

SHEET No. DRA 3



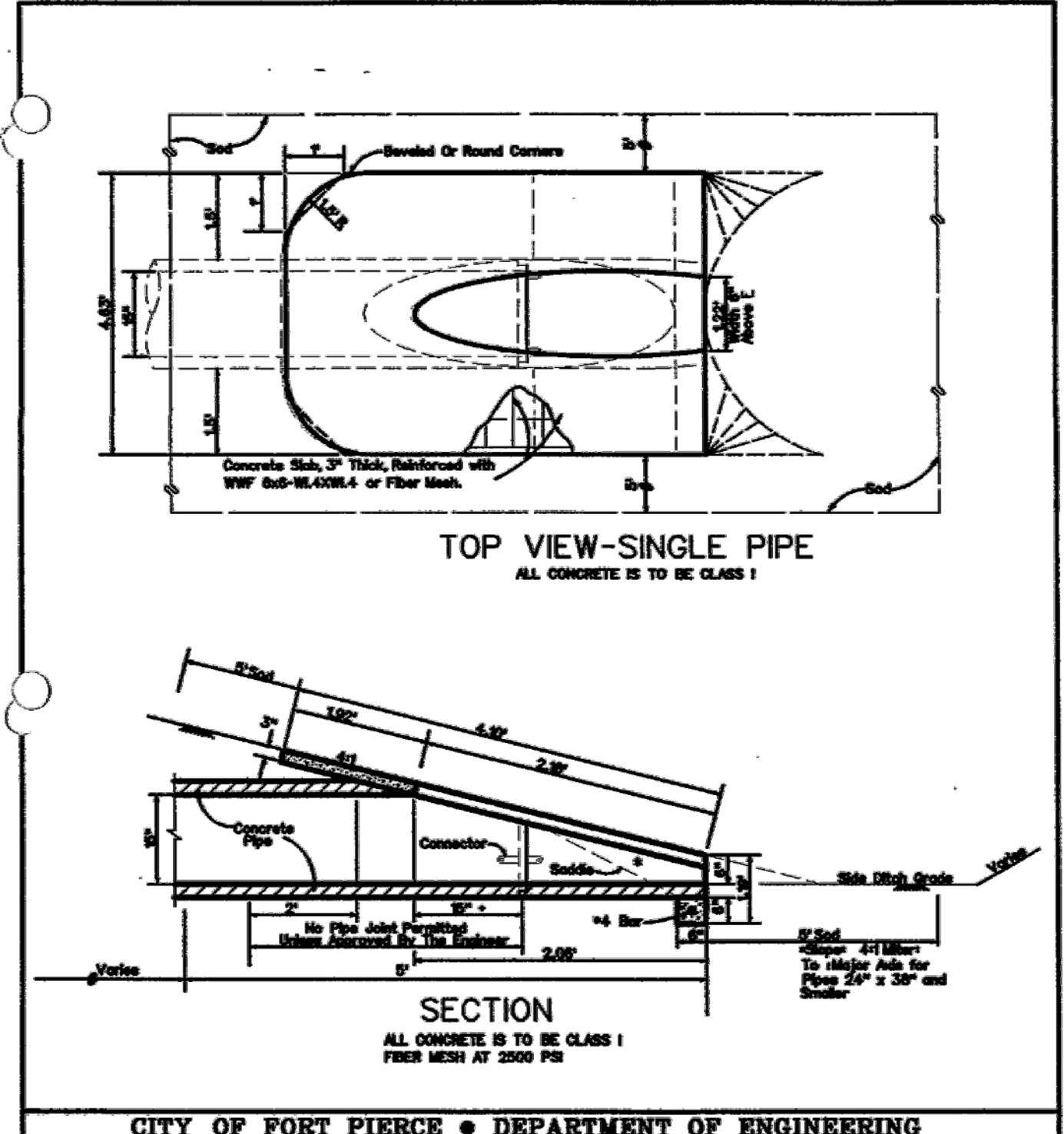
CITY OF FORT PIERCE • DEPARTMENT OF ENGINEERING
TECHNICAL SPECIFICATIONS AND DETAILS

TRENCH DETAIL

SCALE: N.T.S. ISSUED AUGUST 1998

REVISIONS

SHEET No. DRA 4



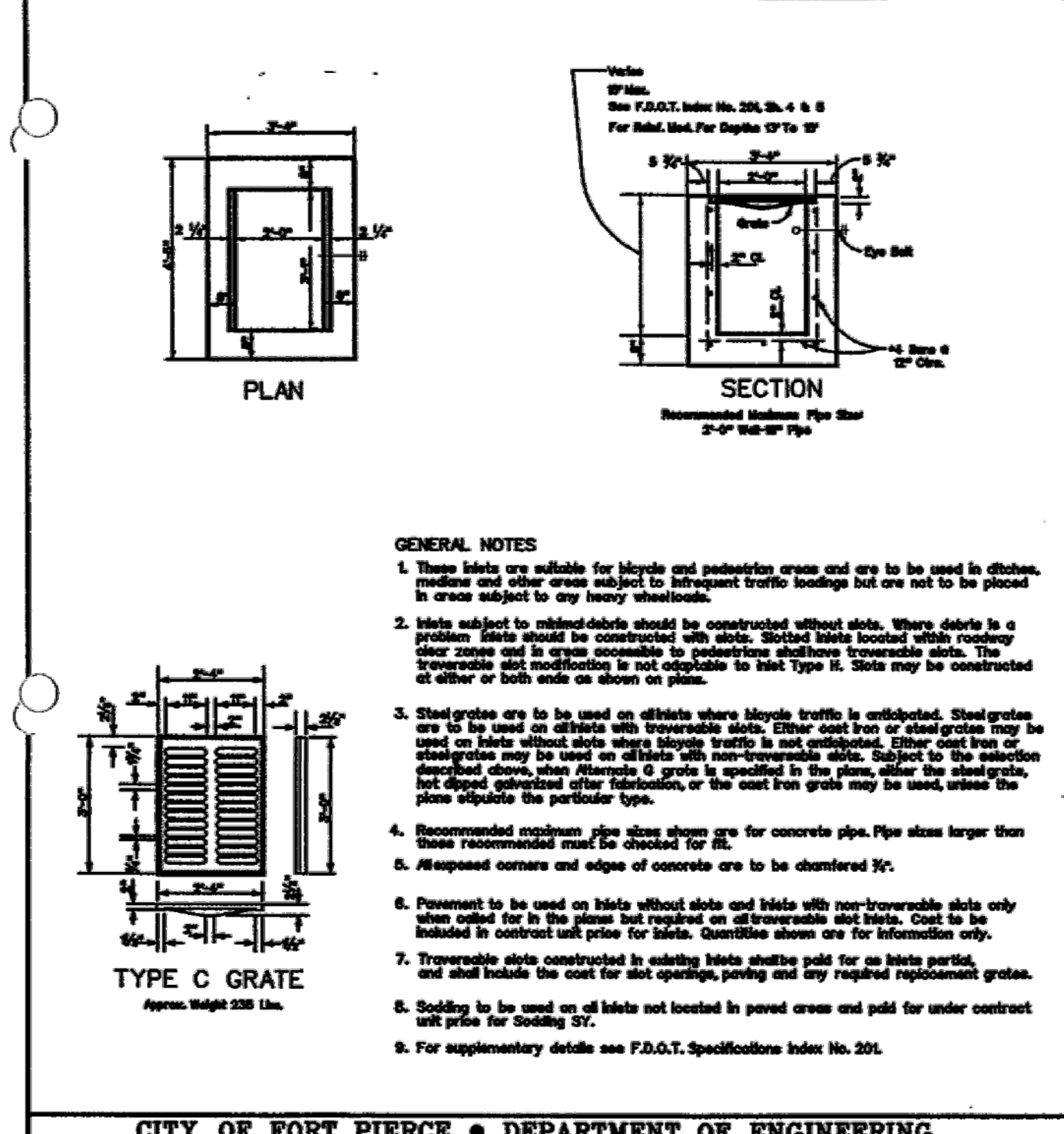
CITY OF FORT PIERCE • DEPARTMENT OF ENGINEERING
TECHNICAL SPECIFICATIONS AND DETAILS

MITERED END DETAIL

SCALE: N.T.S. ISSUED AUGUST 1998

REVISIONS

SHEET No. DRA 5



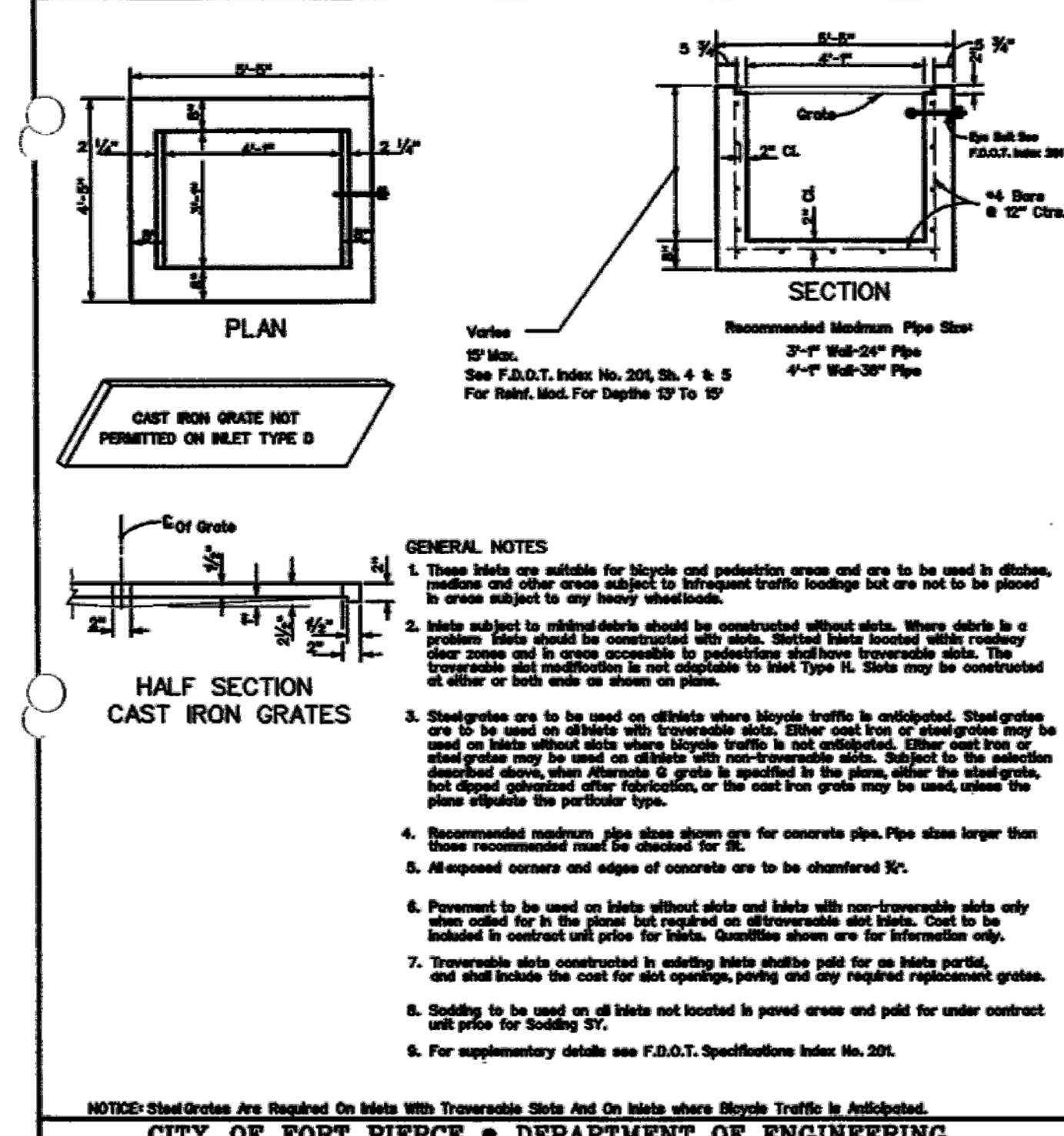
CITY OF FORT PIERCE • DEPARTMENT OF ENGINEERING
TECHNICAL SPECIFICATIONS AND DETAILS

TYPE "C" INLET

SCALE: N.T.S. ISSUED AUGUST 1998

REVISIONS

SHEET No. DRA 6



CITY OF FORT PIERCE • DEPARTMENT OF ENGINEERING
TECHNICAL SPECIFICATIONS AND DETAILS

TYPE "D" INLET

SCALE: N.T.S. ISSUED AUGUST 1998

REVISIONS

SHEET No. DRA 7

WOHLFARTH CONSULTING GROUP LLC
ENGINEERS & PLANNERS
246 N. WESTMONTE DRIVE
ALBANY, FLORIDA 32314
(907) 750-3123
ORLANDO

MAYFAIR FORT PIERCE, FLORIDA

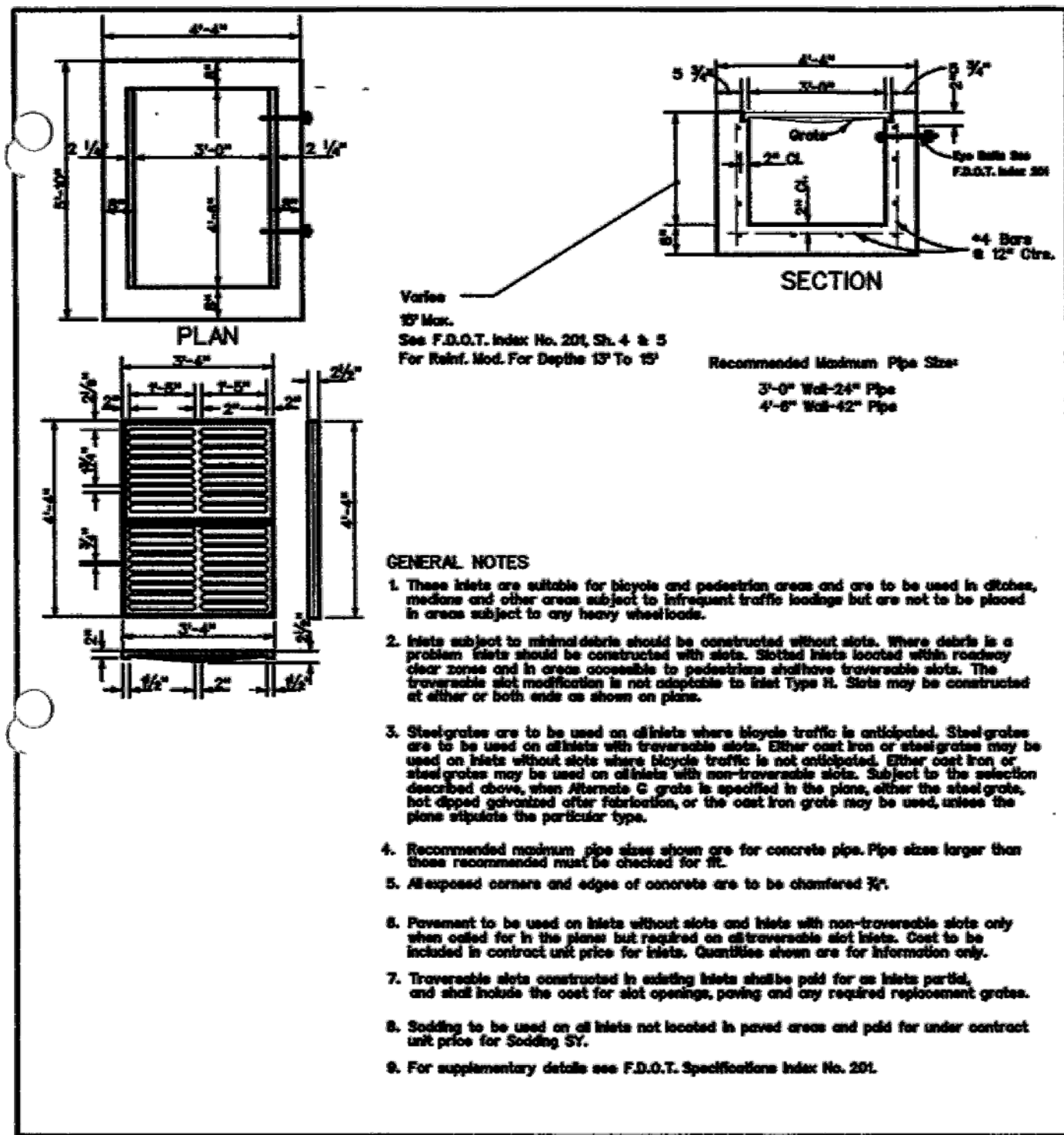
PGD DETAILS

SCALE: N/A
PROJECT: 2017-004
SHEET: C-8.2
DATE: 8/21/2018

DRAWN: DM
DESIGNED: DM
CHECKED: RW
DATE: 8/21/2018

GROUP
LAND DEVELOPMENT & ENGINEERING SERVICES
BUSINESS NO. 32108

8/22/18
NOT TO BE FILED FOR RECORD UNLESS SIGNED AND DATED WITH THE ORIGINAL SET OF PLANS. THE ORIGINAL SET OF PLANS IS THE AUTHORITY.



SECTION

Values:
1/2" Min.
See F.D.O.T. Inter No. 201, Sh. 4 & 5
For Ref. Mod. For Depth 13' To 15'

Recommended Maximum Pipe Size:
3'-0" Wall-24" Pipe
4'-0" Wall-42" Pipe

GENERAL NOTES

- These inlets are suitable for bicycle and pedestrian areas and are to be used in urban, medium and other areas subject to infrequent traffic loadings but are not to be placed in areas subject to any heavy wheelloads.
- Inlets subject to substantial loads should be constructed without slots. Where slots in a problem areas should be constructed with slots. Slotted inlets located within roadway clear zones and to cross over to pedestrian walkways. Subject to the selection described above, when alternate C grade is specified in the plans, other than steel grade, but sloped opposite other materials, or the cast iron grade may be used, unless the plans stipulate the particular type.
- Steel grates are to be used on alleys where bicycle traffic is anticipated. Steel grates are to be used on alleys with traversable slots. Other cast iron or steel grates may be used on alleys with non-traversable slots. Subject to the selection described above, when alternate C grade is specified in the plans, other than steel grade, but sloped opposite other materials, or the cast iron grade may be used, unless the plans stipulate the particular type.
- Recommended maximum pipe sizes shown are for concrete pipe. Pipe sizes larger than those recommended must be checked for fit.
- Aspessed corners and edges of concrete are to be chamfered 1/4".
- Precast to be used on inlets without slots and inlets with non-traversable slots only when called for in the plans but required on all traversable slots. Cast to be included in contract unit price for inlets. Quantities shown are for information only.
- Traversable slots constructed in existing inlets shall pass for one linear foot, and shall include the cost for slot opening, paving and any required replacement grates.
- Slabbing to be used on all inlets not located in paved areas and paid for under contract unit price for Slabbing 57.
- For supplementary details see F.D.O.T. Specifications Inter No. 201.

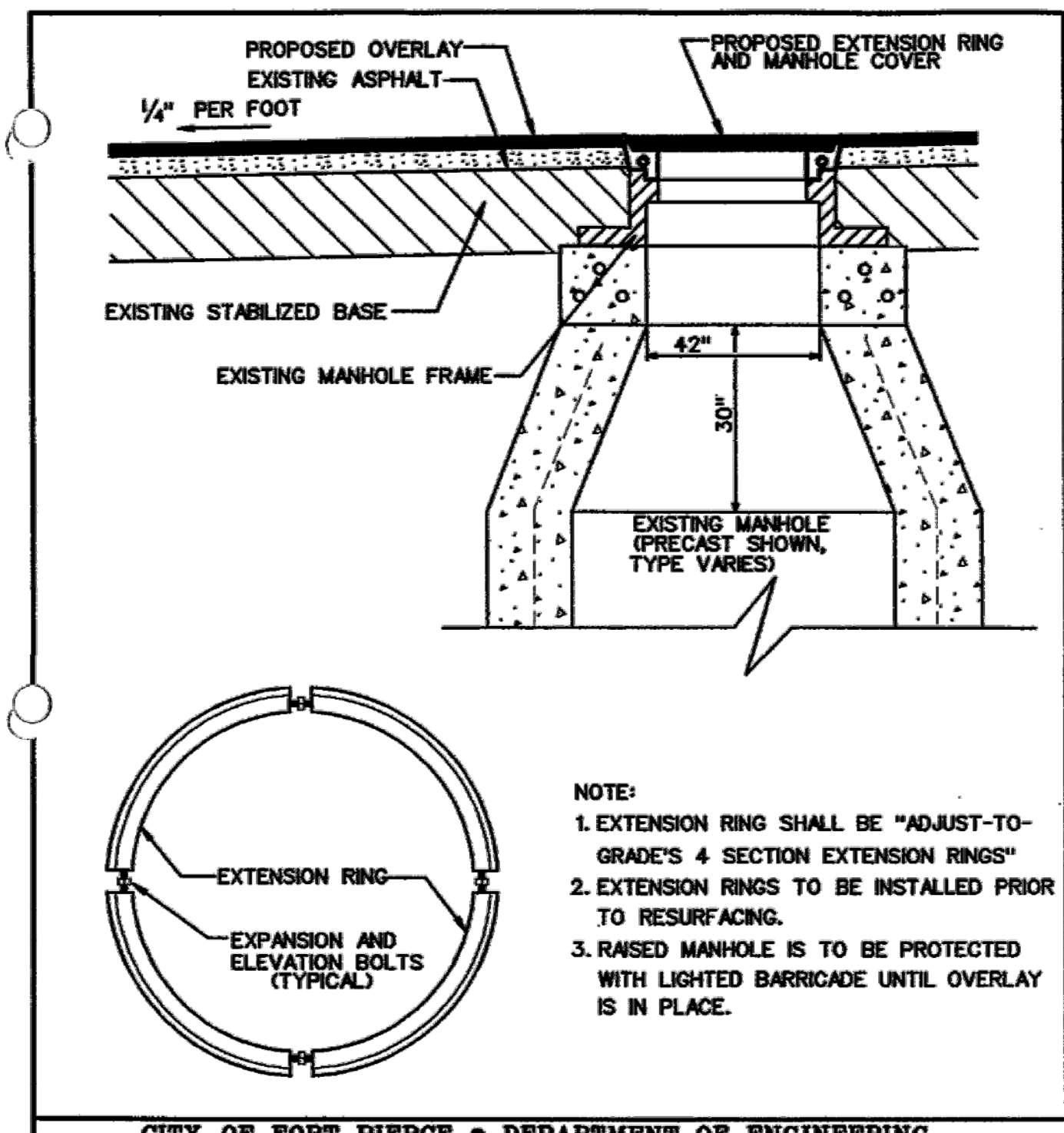
CITY OF FORT PIERCE • DEPARTMENT OF ENGINEERING
TECHNICAL SPECIFICATIONS AND DETAILS

TYPE "E" INLET

REVISIONS

SHEET No. DRA 8

SCALE: N.T.S. ISSUED AUGUST 1998



NOTE:

- EXTENSION RING SHALL BE "ADJUST-TO-GRADE" 4 SECTION EXTENSION RINGS
- EXTENSION RINGS TO BE INSTALLED PRIOR TO RESURFACING.
- RAISED MANHOLE IS TO BE PROTECTED WITH LIGHTED BARRICADE UNTIL OVERLAY IS IN PLACE.

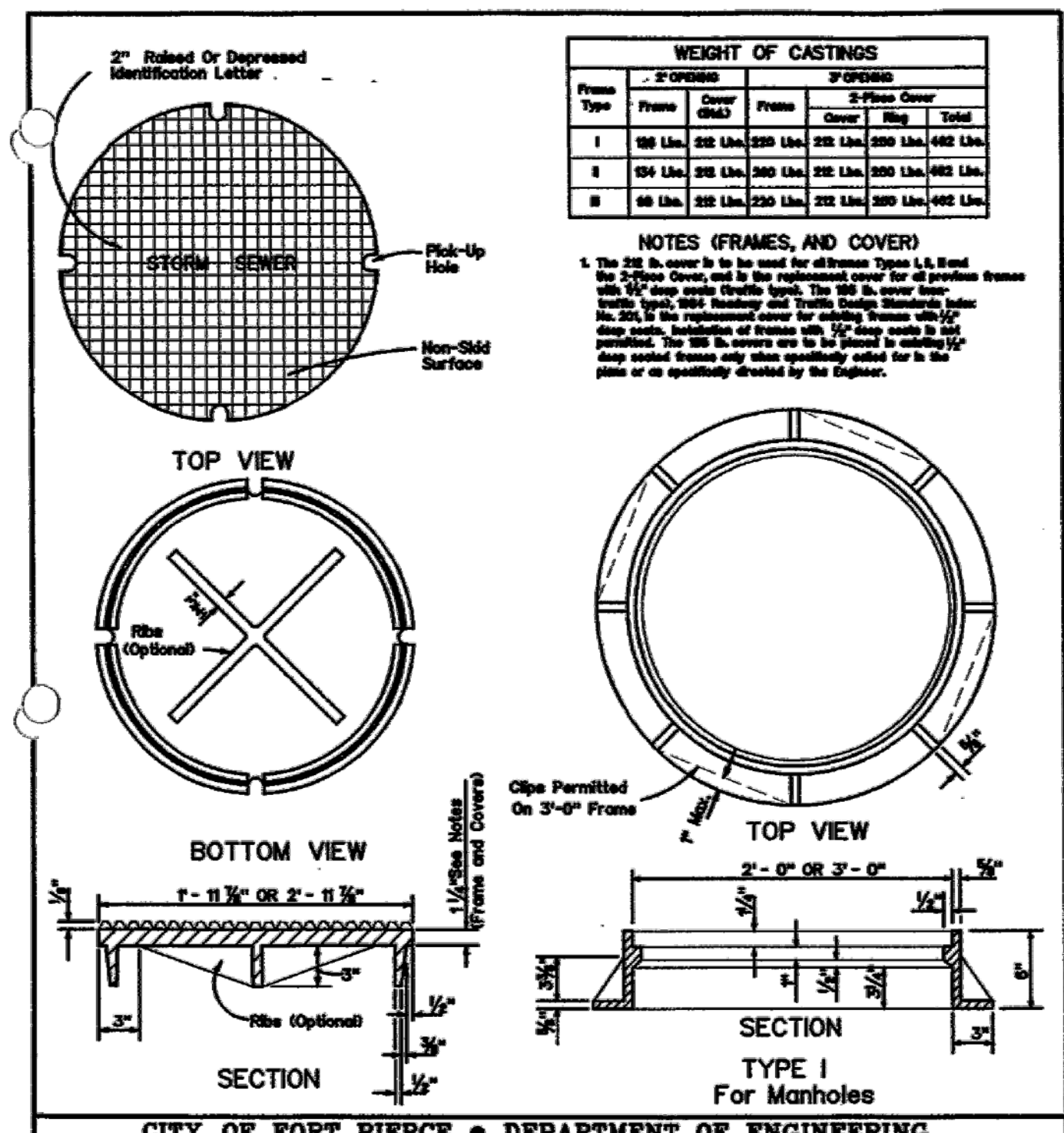
CITY OF FORT PIERCE • DEPARTMENT OF ENGINEERING
TECHNICAL SPECIFICATIONS AND DETAILS

EXTENSION RING DETAIL

REVISIONS

SHEET No. DRA 25

SCALE: N.T.S. ISSUED AUGUST 1998



WEIGHT OF CASTINGS

Frame Type	2'-0" FRAME		3'-0" FRAME	
	Frame	Cover	Frame	Cover
I	160 Lbs.	220 Lbs.	220 Lbs.	400 Lbs.
II	104 Lbs.	205 Lbs.	205 Lbs.	380 Lbs.
III	98 Lbs.	200 Lbs.	200 Lbs.	370 Lbs.

NOTES (FRAMES, AND COVER)

- The 250 lb. cover is to be used for all frames Type I, II, and III. The 2'-0" cover is to be used for all frames with 1/2" deep grooves. The 250 lb. cover has a 1/2" deep groove. The 2'-0" cover has a 1/2" deep groove. The 250 lb. cover is to be used for all frames with 1/2" deep grooves. The 2'-0" cover is to be used for all frames with 1/2" deep grooves. The 250 lb. cover is to be used for all frames with 1/2" deep grooves. The 2'-0" cover is to be used for all frames with 1/2" deep grooves.

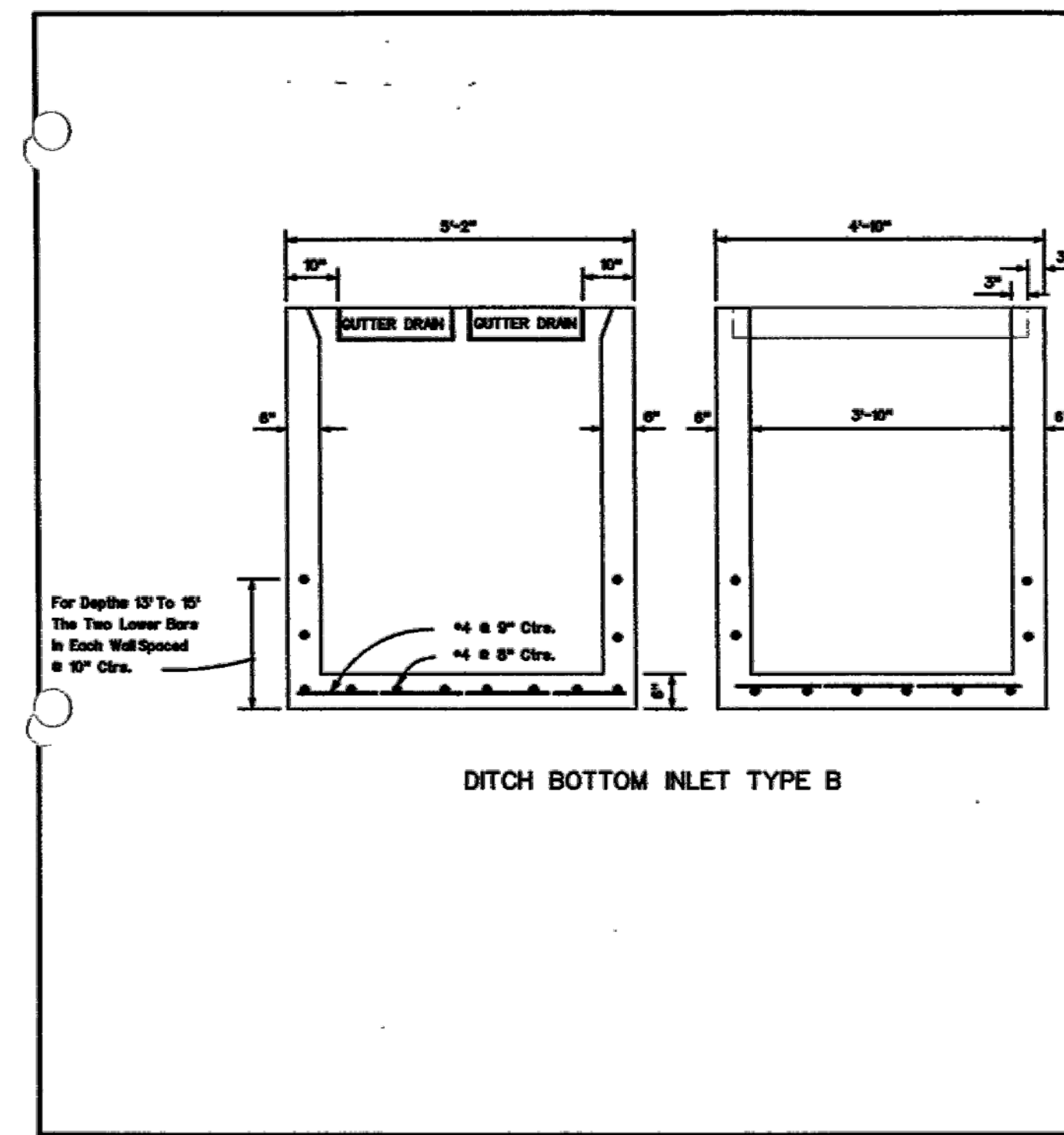
CITY OF FORT PIERCE • DEPARTMENT OF ENGINEERING
TECHNICAL SPECIFICATIONS AND DETAILS

MANHOLE COVER DETAIL

REVISIONS

SHEET No. DRA 26

SCALE: N.T.S. ISSUED AUGUST 1998



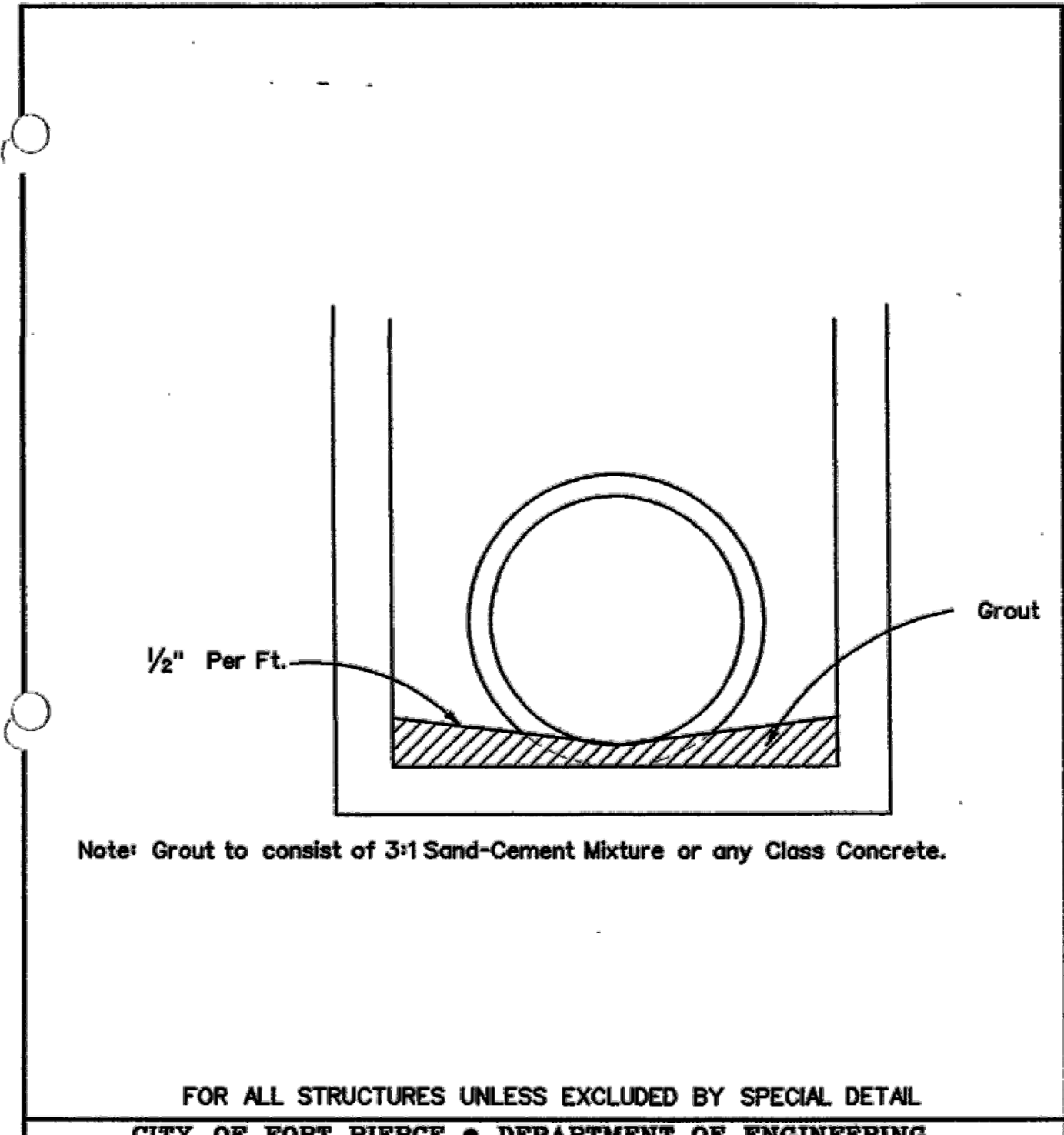
CITY OF FORT PIERCE • DEPARTMENT OF ENGINEERING
TECHNICAL SPECIFICATIONS AND DETAILS

TYPE B INLET BOTTOM

REVISIONS

SHEET No. DRA 11

SCALE: N.T.S. ISSUED AUGUST 1998



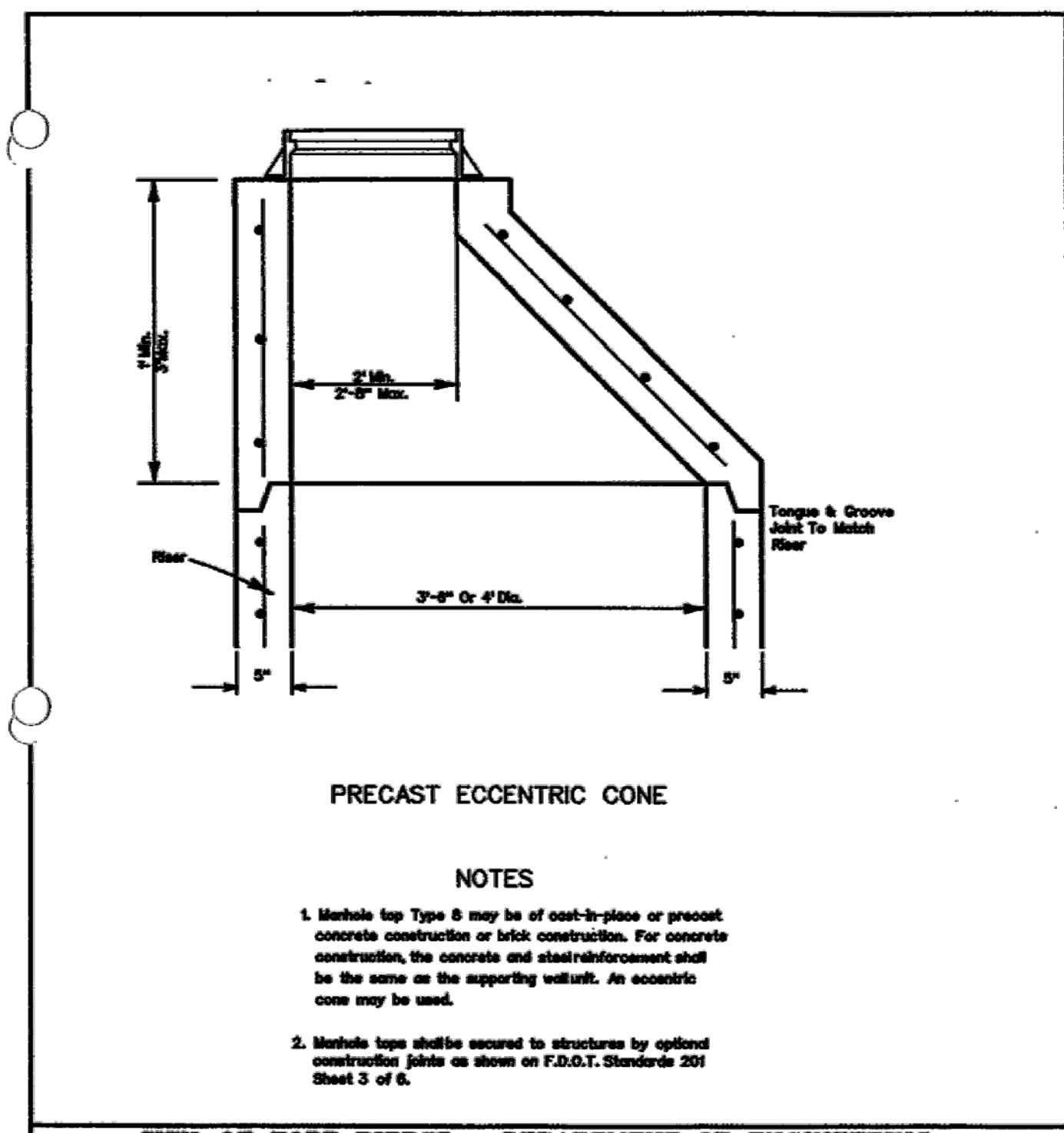
CITY OF FORT PIERCE • DEPARTMENT OF ENGINEERING
TECHNICAL SPECIFICATIONS AND DETAILS

DRAINAGE STRUCTURE INVERT

REVISIONS

SHEET No. DRA 20

SCALE: N.T.S. ISSUED AUGUST 1998



NOTES

- Manhole top Type 8 may be of cast-in-place or precast concrete construction or brick construction. For concrete construction, the concrete and steel reinforcement shall be the same as the supporting wall. An eccentric cone may be used.
- Manhole top shall be secured to structure by optional construction detail as shown on F.D.O.T. Standard 201 Sheet 3 of 8.

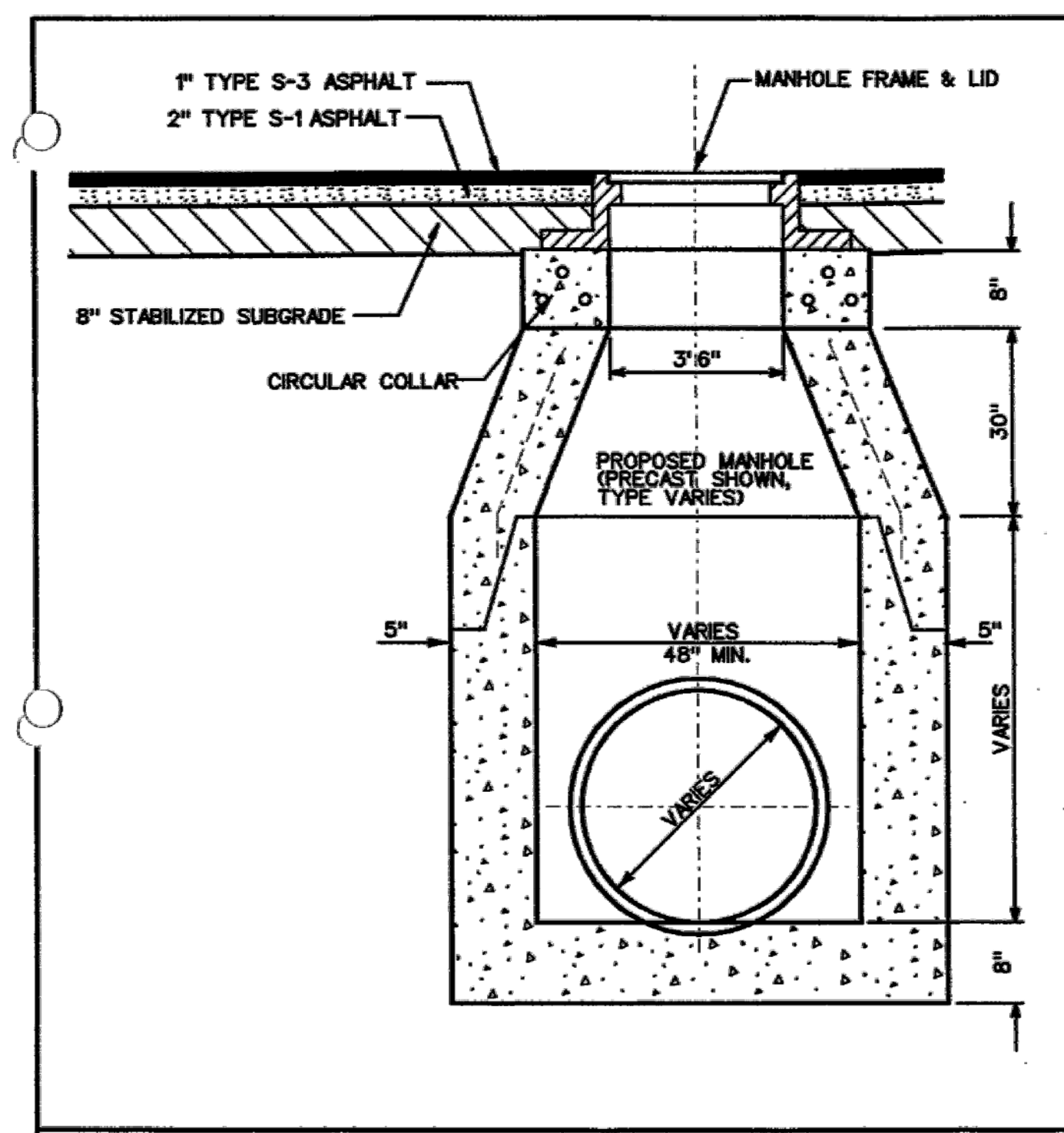
CITY OF FORT PIERCE • DEPARTMENT OF ENGINEERING
TECHNICAL SPECIFICATIONS AND DETAILS

TYPE "8" MANHOLE TOP PRECAST ECCENTRIC CONE

REVISIONS

SHEET No. DRA 29

SCALE: N.T.S. ISSUED AUGUST 1998



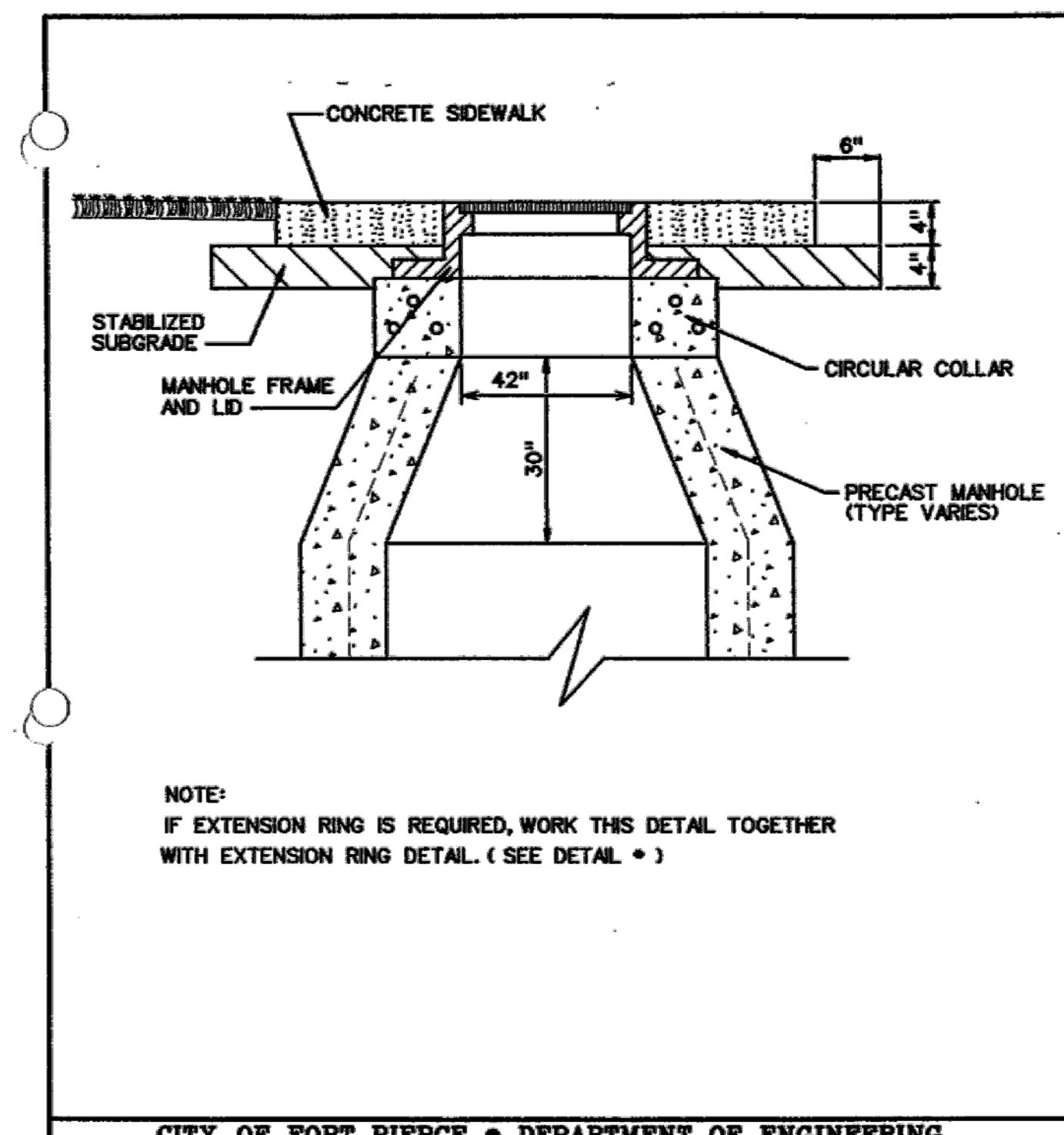
CITY OF FORT PIERCE • DEPARTMENT OF ENGINEERING
TECHNICAL SPECIFICATIONS AND DETAILS

STORM SEWER MANHOLE IN ROAD-WAY

REVISIONS

SHEET No. DRA 23

SCALE: N.T.S. ISSUED AUGUST 1998



CITY OF FORT PIERCE • DEPARTMENT OF ENGINEERING
TECHNICAL SPECIFICATIONS AND DETAILS

MANHOLE IN SIDEWALK DETAIL

REVISIONS

SHEET No. DRA 24

SCALE: N.T.S. ISSUED AUGUST 1998

WOHLFARTH CONSULTING GROUP LLC
ENGINEERS & PLANNERS

246 N. WESTMONTA DRIVE
ALBANY, ALABAMA 36714
(407) 750-3123
ORLANDO

DESCRIPTION

DATE

REV.

MAYFAIR FORT PIERCE, FLORIDA

PGD DETAILS

SCALE: N/A

PROJECT: 2017-004

CHECKED: RW

DATE: 8/21/2018

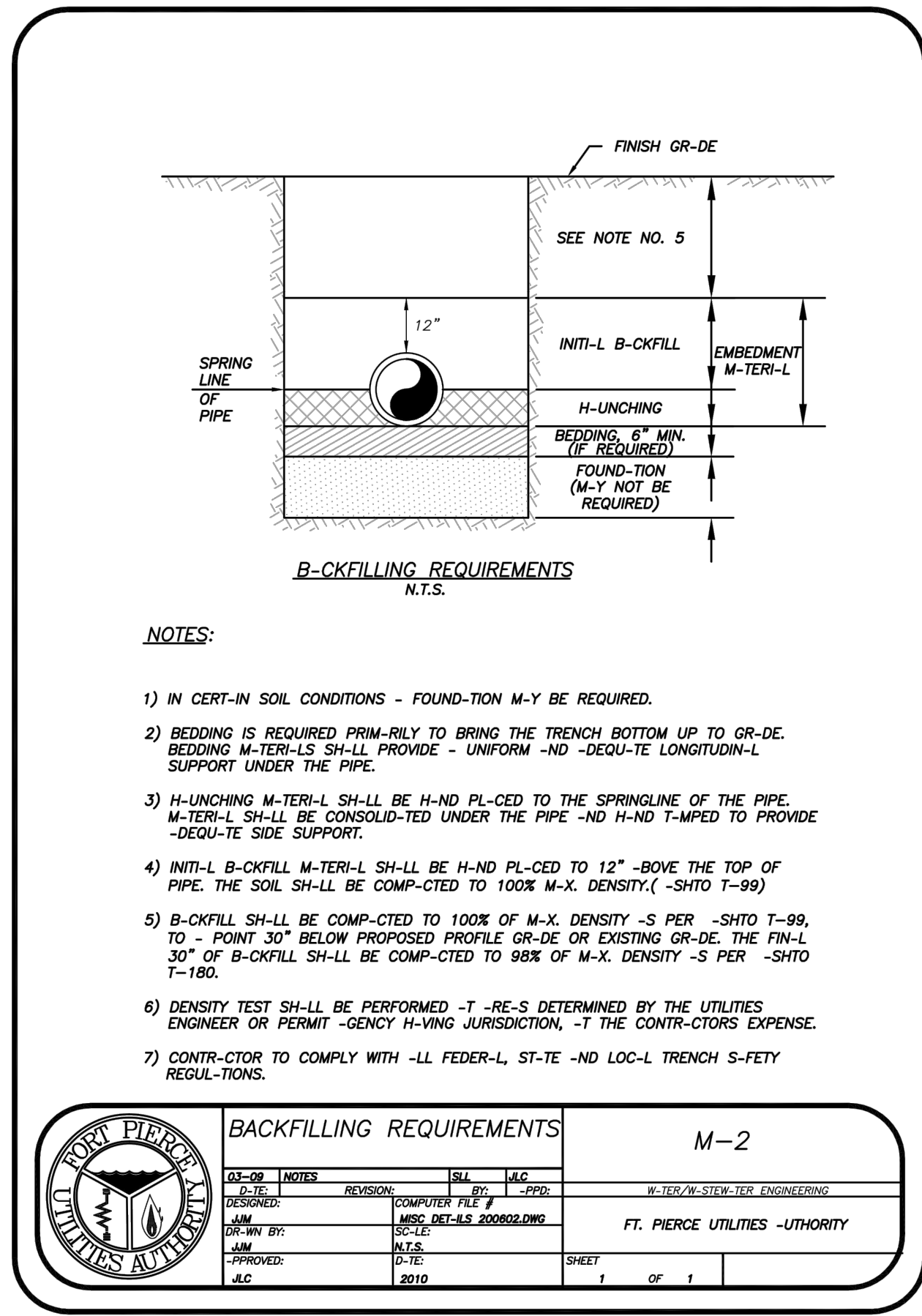
SHEET: C-8.3

W GROUP
LAND DEVELOPMENT & ENGINEERING SERVICES

BUSINESS NO. 32108

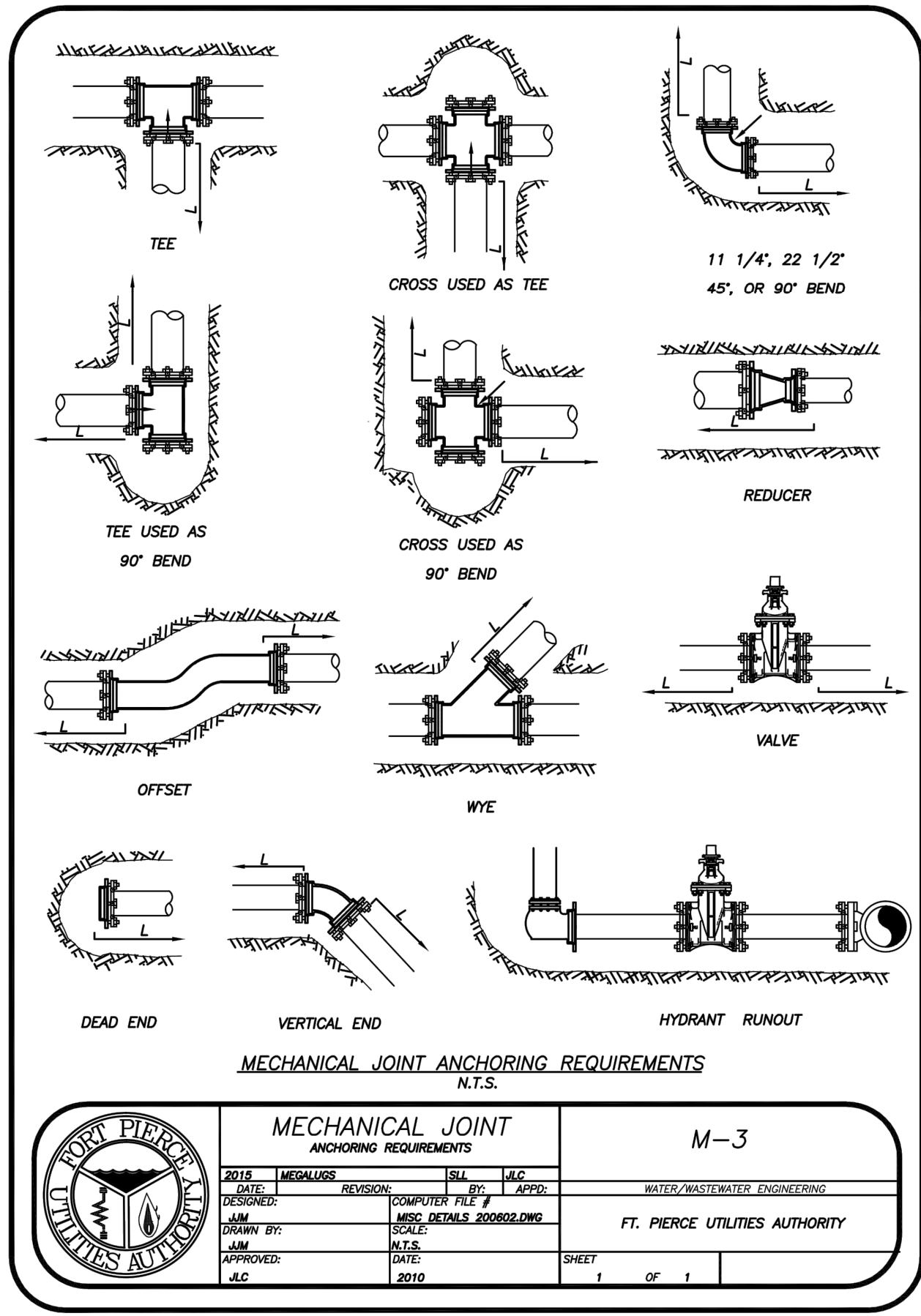
8/22/18

NOT TO BE FILED FOR RECORD UNLESS SIGNED AND DATED WITH THE ORIGINAL SET OF RECORD DRAWINGS BY THE ARCHITECT OR ENGINEER OF RECORD.



NOTES:

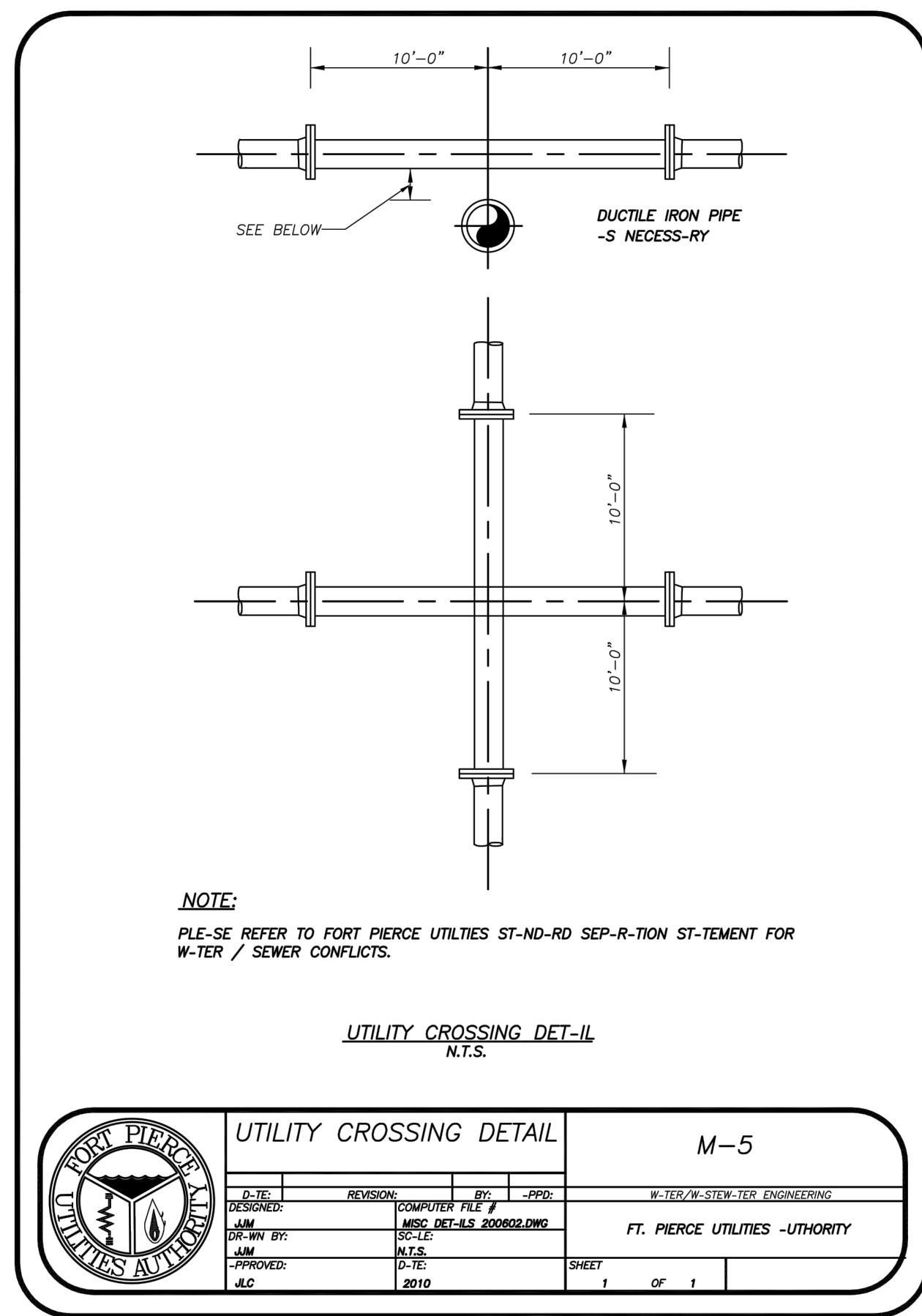
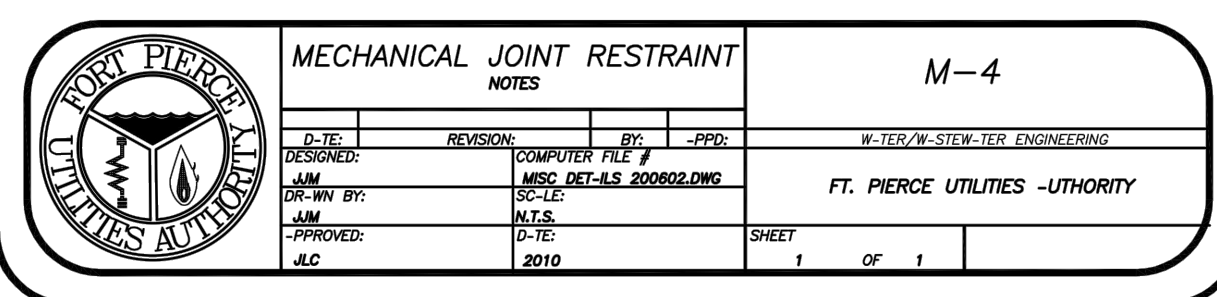
- 1) IN CERT-IN SOIL CONDITIONS - FOUND-TION M-Y BE REQUIRED.
- 2) BEDDING IS REQUIRED PRIM-RLY TO BRING THE TRENCH BOTTOM UP TO GR-DE. BEDDING M-TER-L-S SH-LL PROVIDE - UNIFORM -ND -DEQU-TE LONGITUDIN-L SUPPORT UNDER THE PIPE.
- 3) H-LINCHING M-TER-L SH-LL BE H-ND PL-CED TO THE SPRINGLINE OF THE PIPE. M-TER-L SH-LL BE CONSOLID-TED UNDER THE PIPE -ND H-ND T-MPED TO PROVIDE -DEQU-TE SIDE SUPPORT.
- 4) INIT-L B-CKFILL M-TER-L SH-LL BE H-ND PL-CED TO 12" -BOVE THE TOP OF PIPE. THE SOIL SH-LL BE COMP-CED TO 100% M-X. DENSITY, (-SHTO T-99)
- 5) B-CKFILL SH-LL BE COMP-CED TO 100% OF M-X. DENSITY -S PER -SHTO T-99, TO - POINT 30" BELOW PROPOSED PROFILE GR-DE OR EXISTING GR-DE. THE FIN-L 30" OF B-CKFILL SH-LL BE COMP-CED TO 98% OF M-X. DENSITY -S PER -SHTO T-100.
- 6) DENSITY TEST SH-LL BE PERFORMED -T -RE-S DETERMINED BY THE UTILITIES ENGINEER OR PERMIT -GENY H-VING JURISDICTION, -T THE CONTR-CTORS EXPENSE.
- 7) CONTR-CTOR TO COMPLY WITH -LL FEDER-L, ST-TE -ND LOC-L TRENCH S-FETY REGUL-TIONS.



MECHANICAL JOINT RESTRAINT NOTES

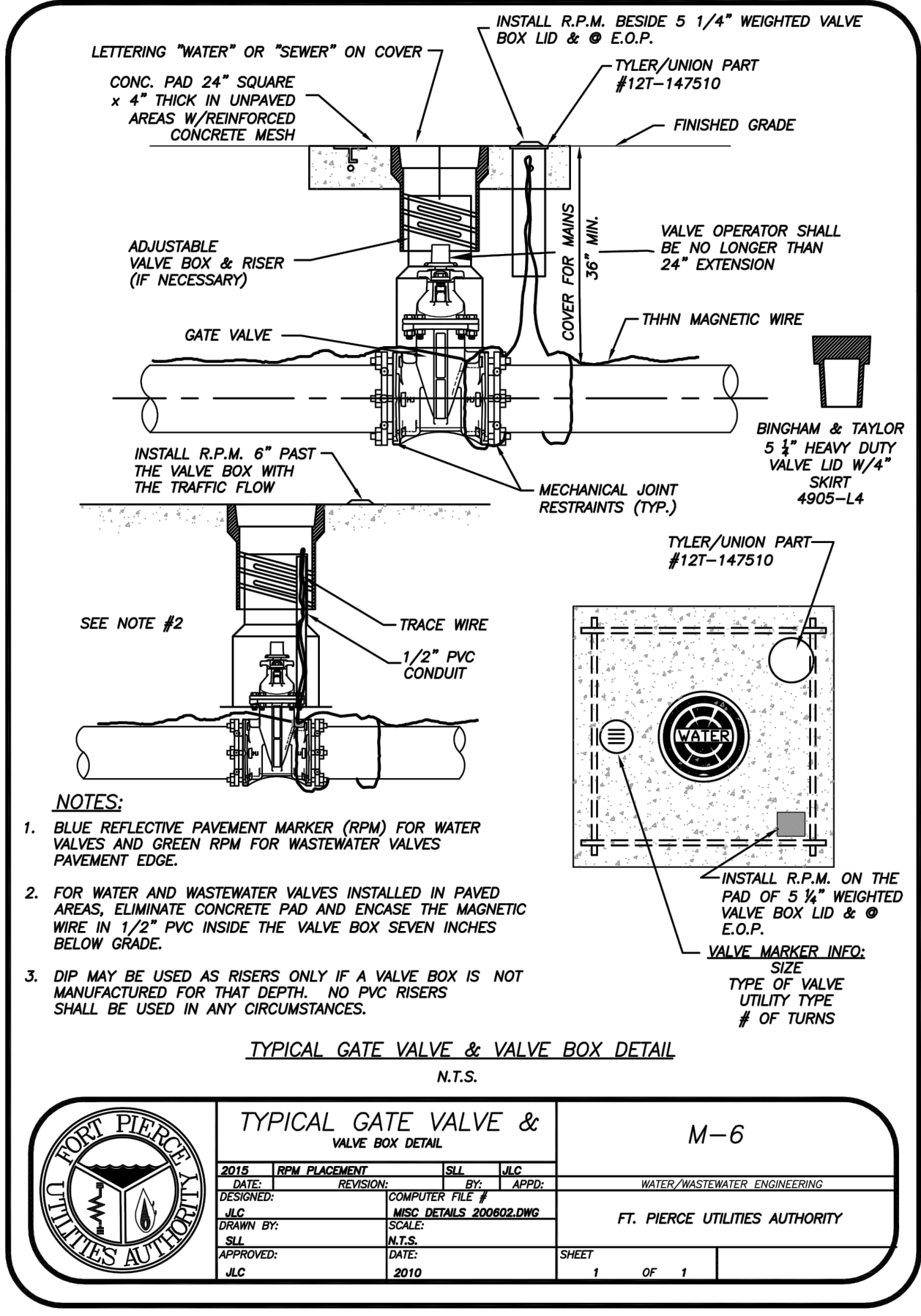
NOTES:

- 1) THE ENGINEER SH-LL BE RESPONSIBLE FOR DETERMINING THE REQUIRED LENGTH TO BE RESTR-INED B-SED UPON THE PROJECT -RE- SOIL TYPE, PROPOSED TRENCH CONDITIONS -ND DEPTH, PRESSURE OF 150 PSI, -ND S-FETY F-CTOR OF TWO (2) - DRAWING OF EVERY TYPIC-L FITTING -SEMBLY WITHIN THE PROJECT SH-LL BE SUBMITTED WHICH REFLECTS THE RESTR-INT DET-IL PROPOSED FOR USE, INCLUDING LENGTH OF PIPE RESTR-INT.
- 2) REQUIRED RESTR-INED LENGTH C-LCUL-TIONS SH-LL -LSD CONSIDER THE CONDITIONS OF OTHER BENDS OR FITTINGS TH-Y WILL BE LOC-TED WITHIN THE C-LCUL-TED RESTR-INED LENGTH (L) OF THE BEND OR FITTING IN QUESTION.
- 3) EVERY JOINT OR FITTING MUST BE RESTR-INED ON BOTH SIDES OF THE BEND -ND FOR TEES -LONG THE BEND -LSD.



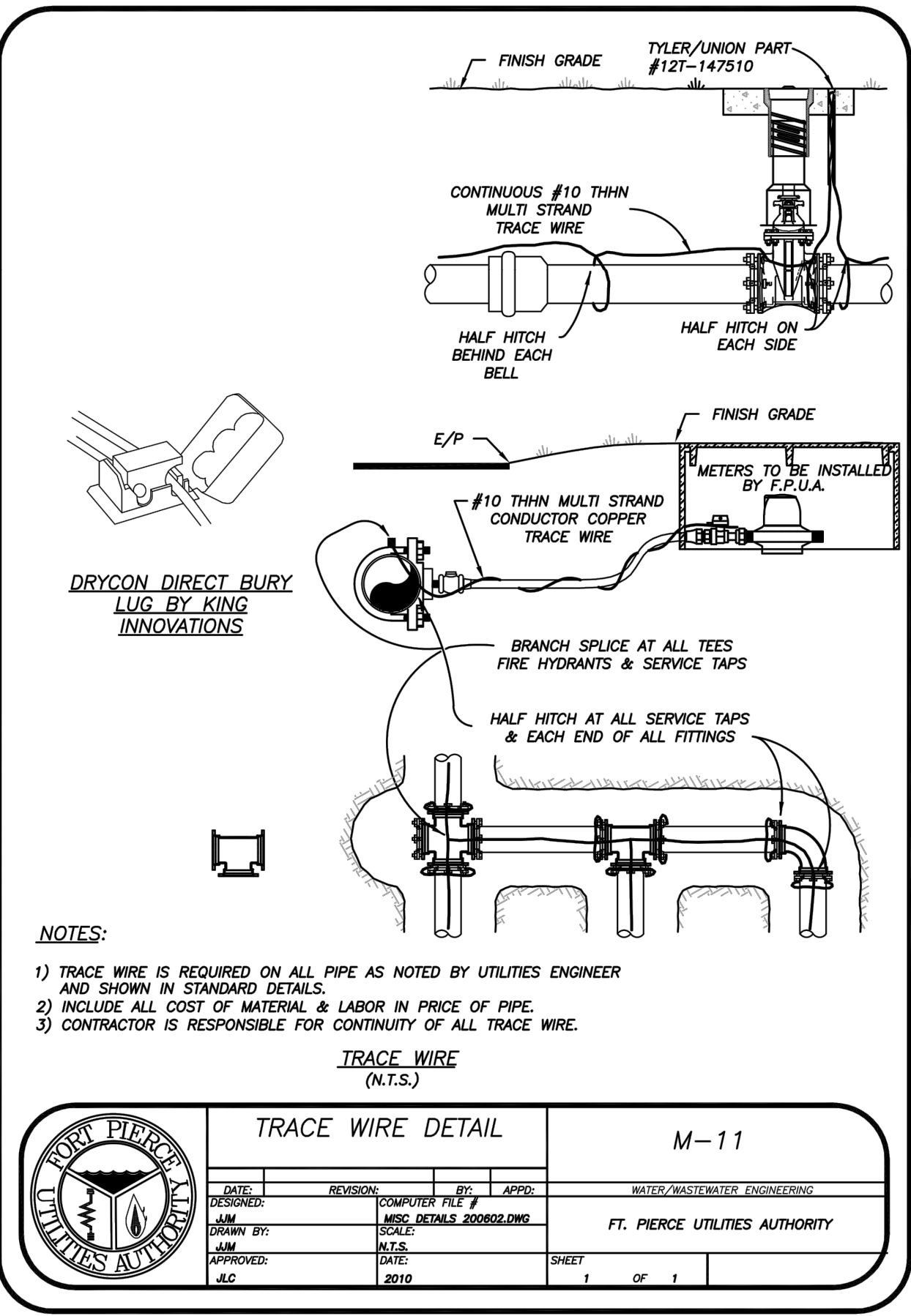
NOTE:

PL-E-SE REFER TO FORT PIERCE UTILITIES ST-ND-RD SEP-R-TION ST-TEMENT FOR W-TER / SEWER CONFLICTS.



NOTES:

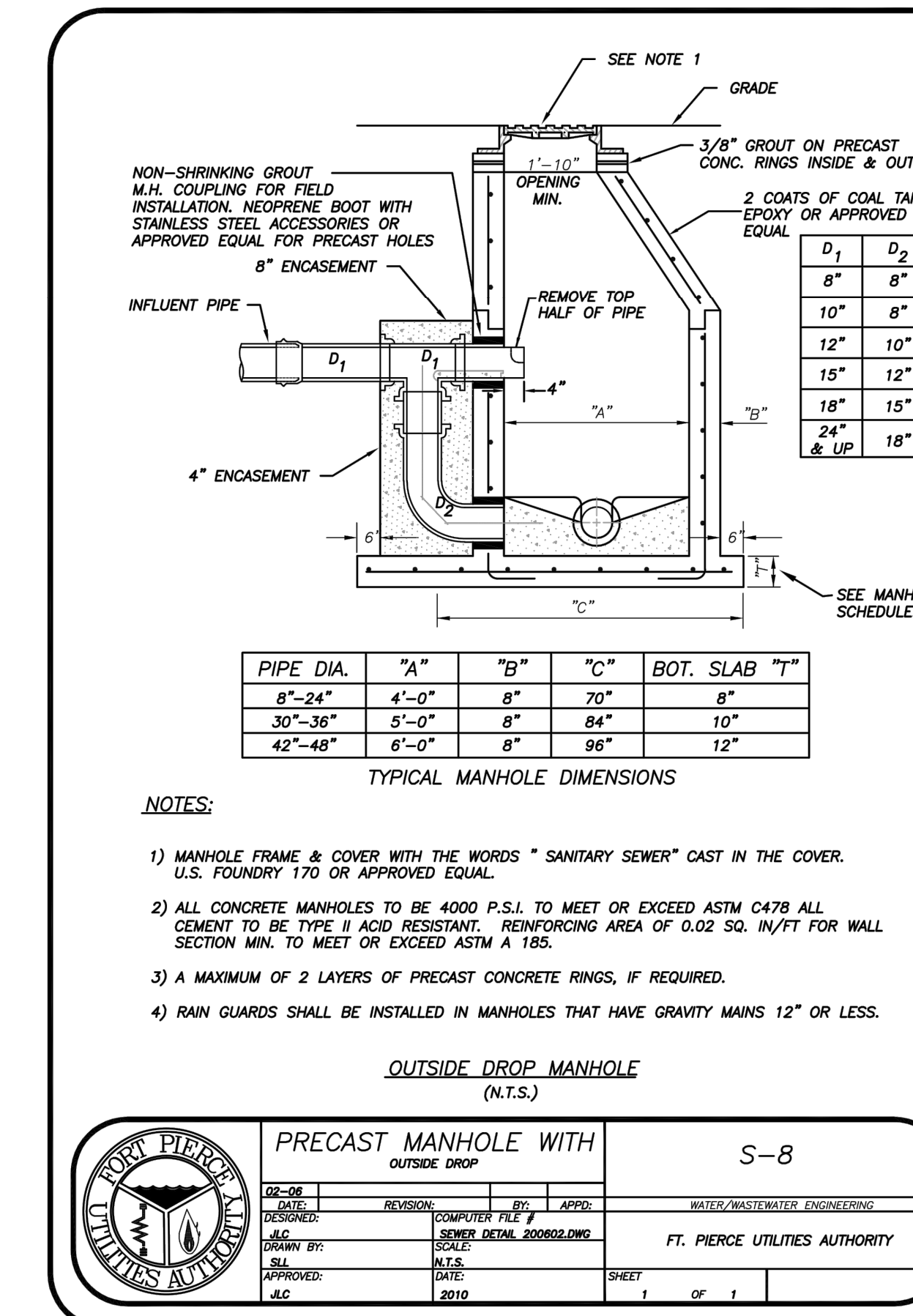
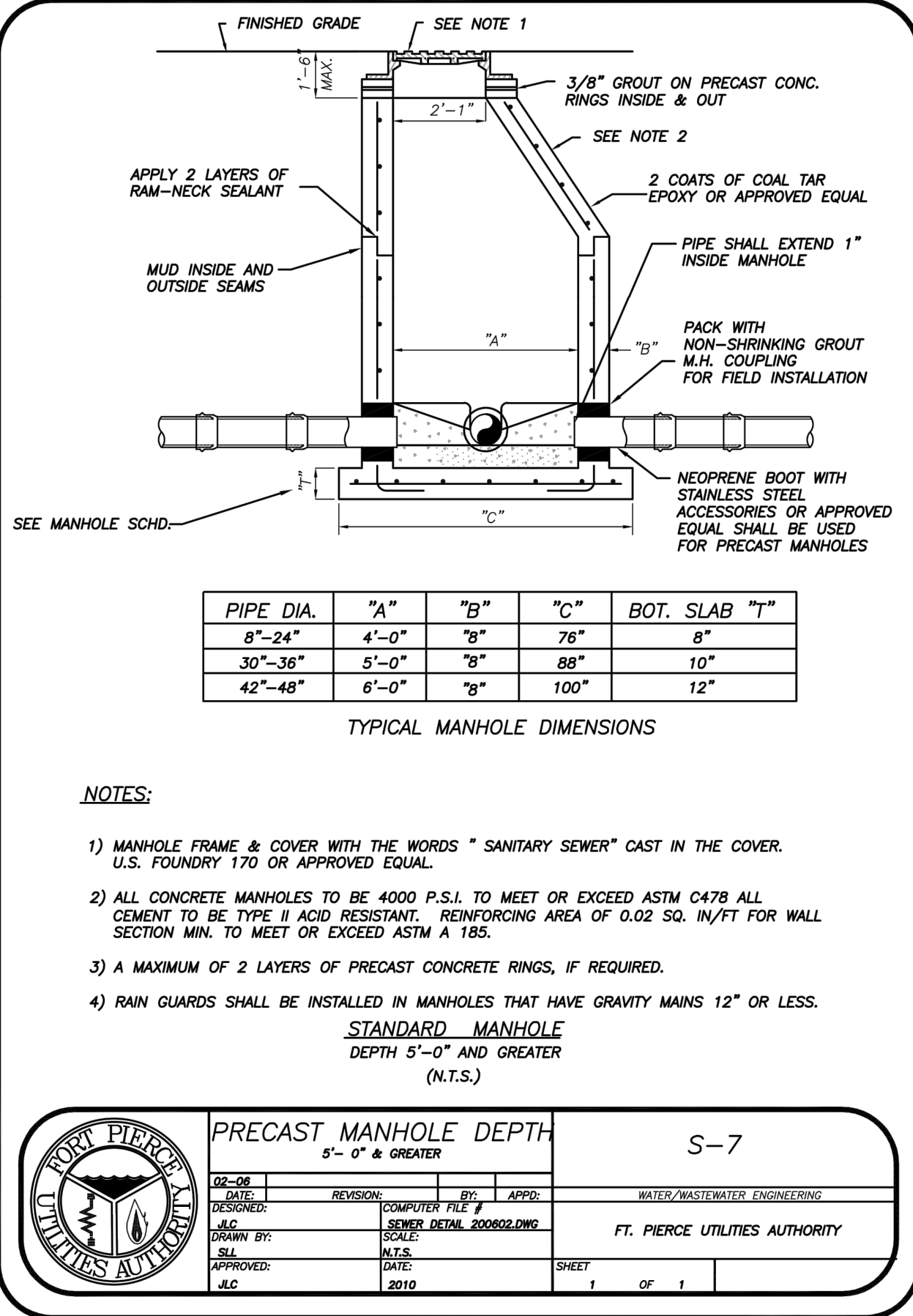
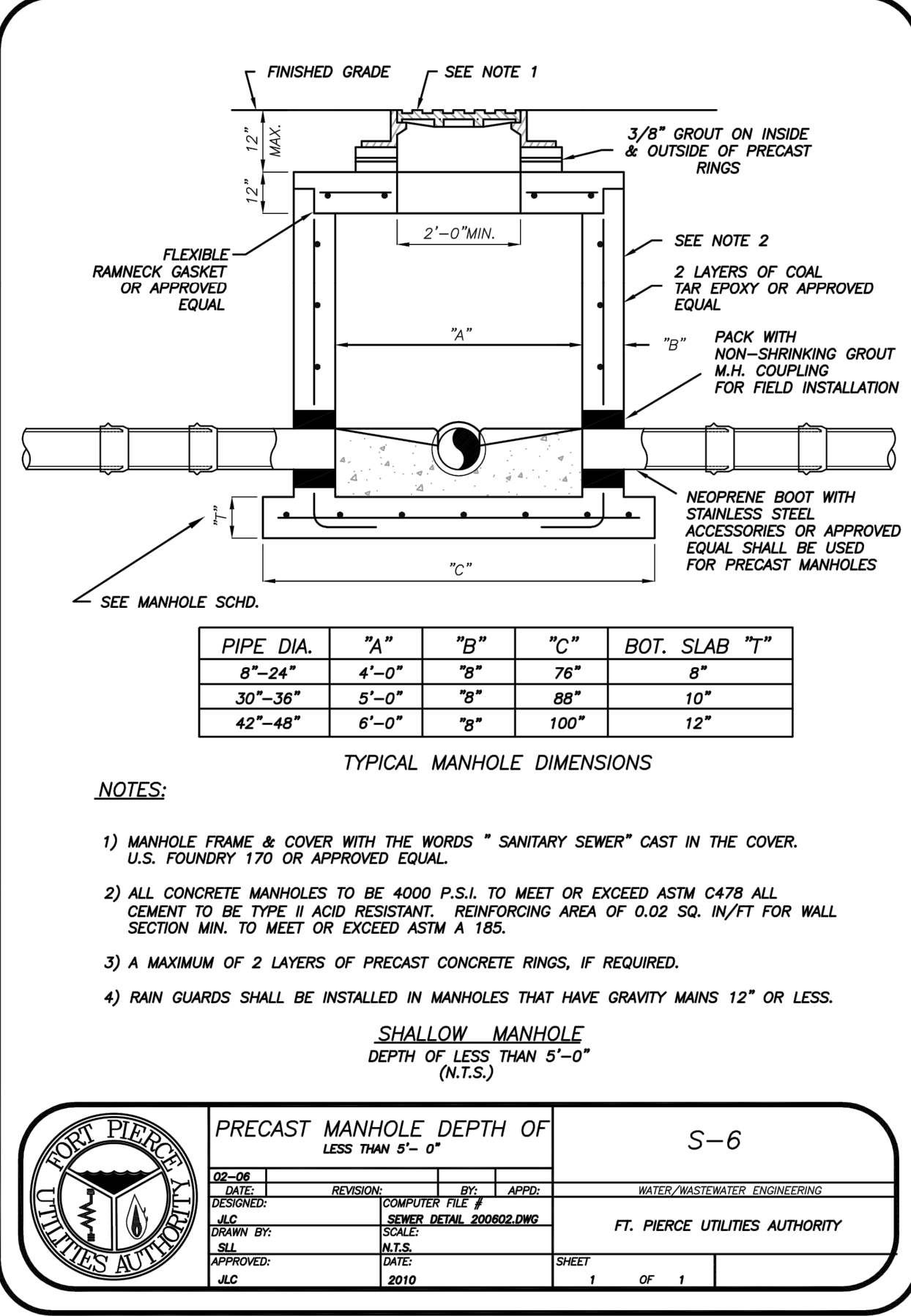
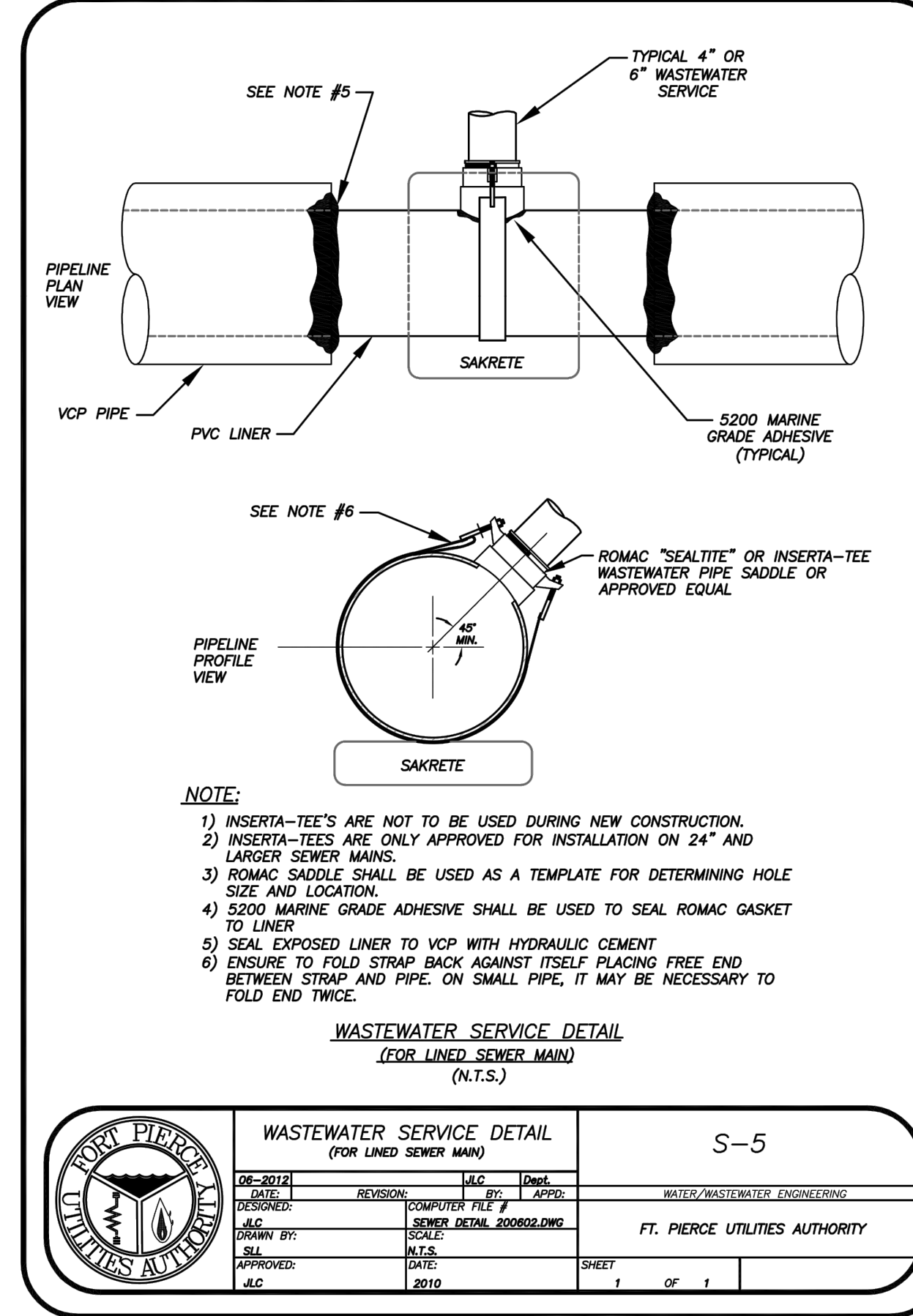
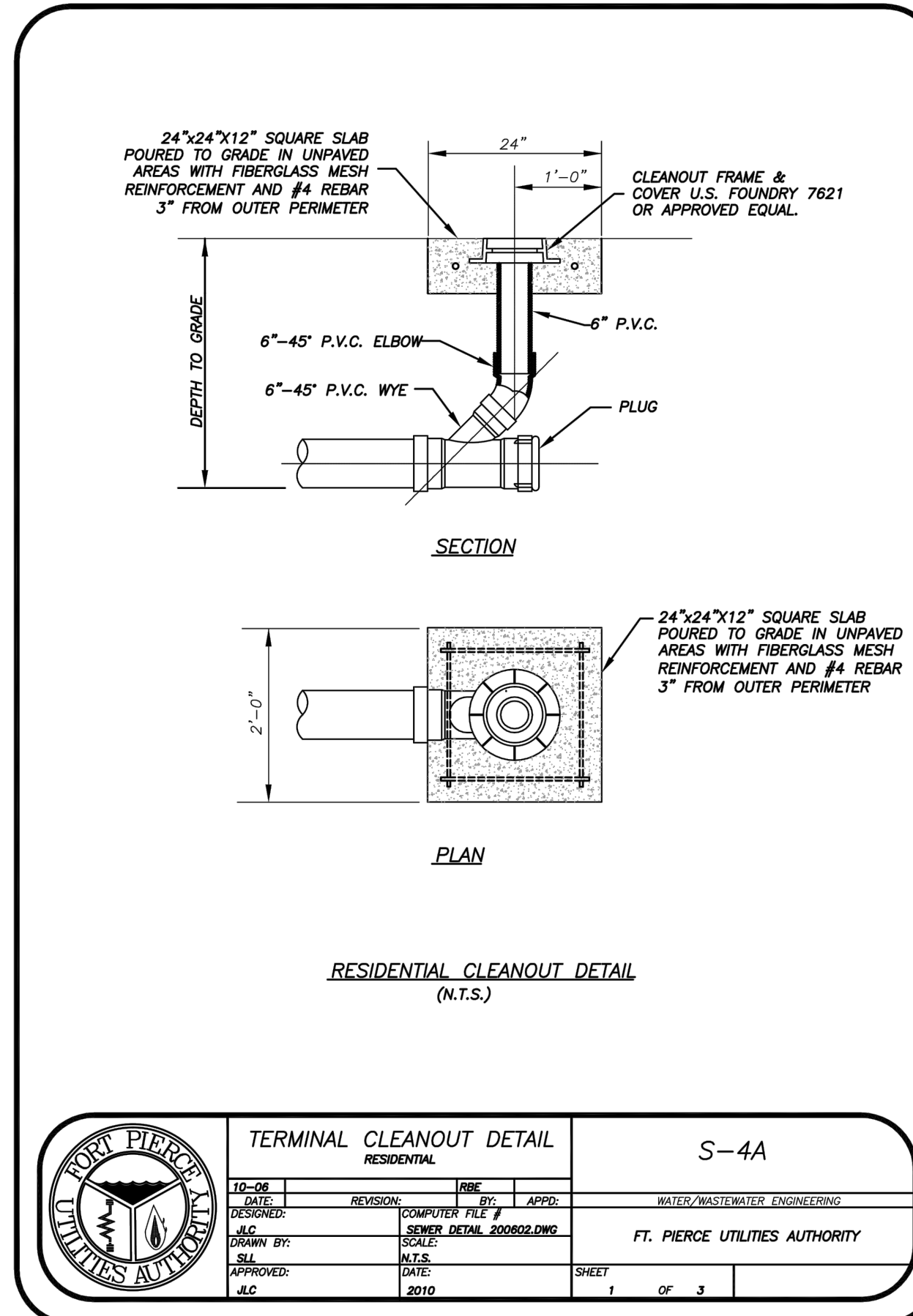
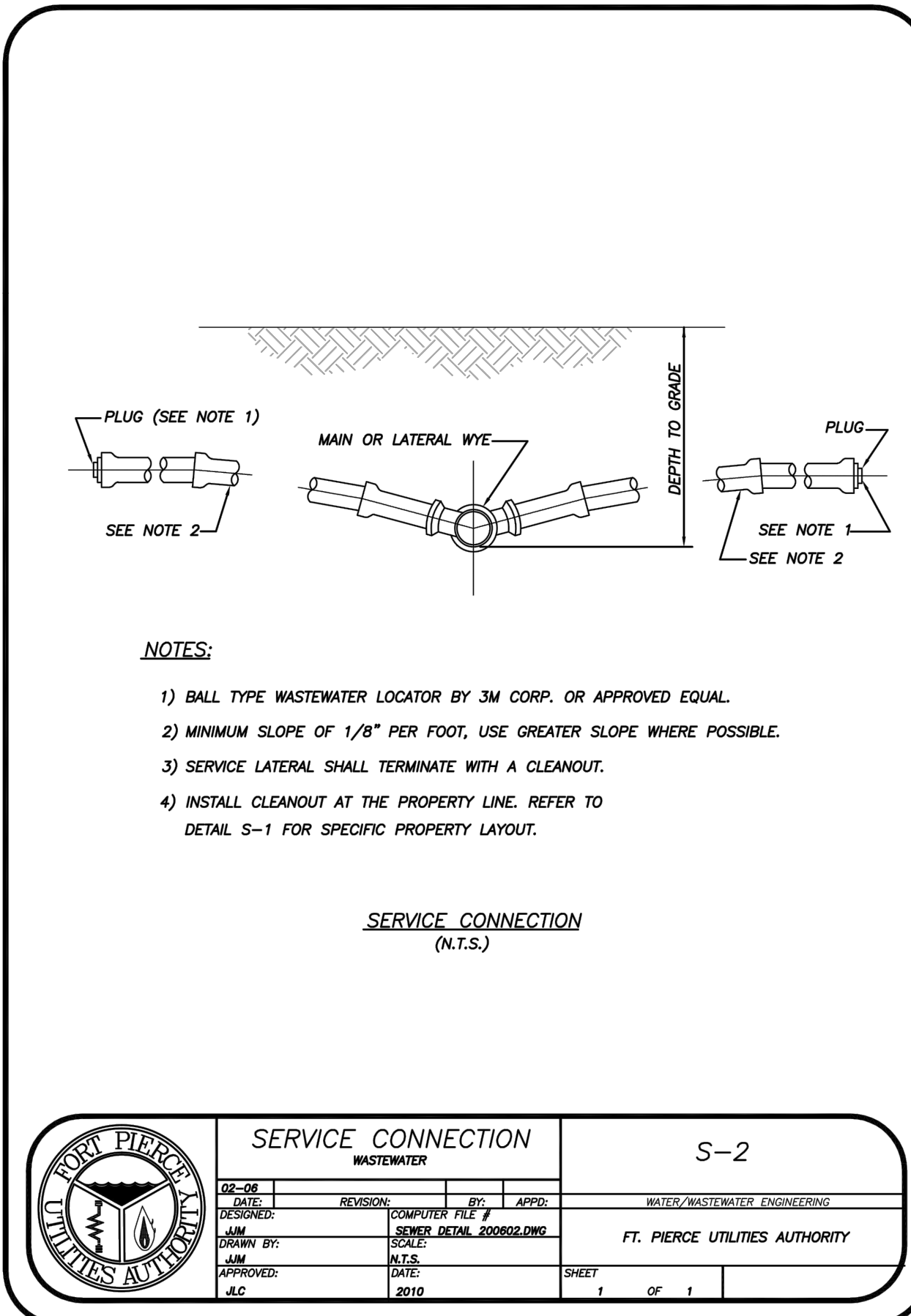
1. BLUE REFLECTIVE PAVEMENT MARKER (RPM) FOR WATER VALVES AND GREEN RPM FOR WASTEWATER VALVES PAVEMENT EDGE.
2. FOR WATER AND WASTEWATER VALVES INSTALLED IN PAVED AREAS, ELIMINATE CONCRETE PAD AND ENCASE THE MAGNETIC WIRE IN 1/2" PVC INSIDE THE VALVE BOX SEVEN INCHES BELOW GRADE.
3. DIP MAY BE USED AS RISERS ONLY IF A VALVE BOX IS NOT MANUFACTURED FOR THAT DEPTH. NO PVC RISERS SHALL BE USED IN ANY CIRCUMSTANCES.



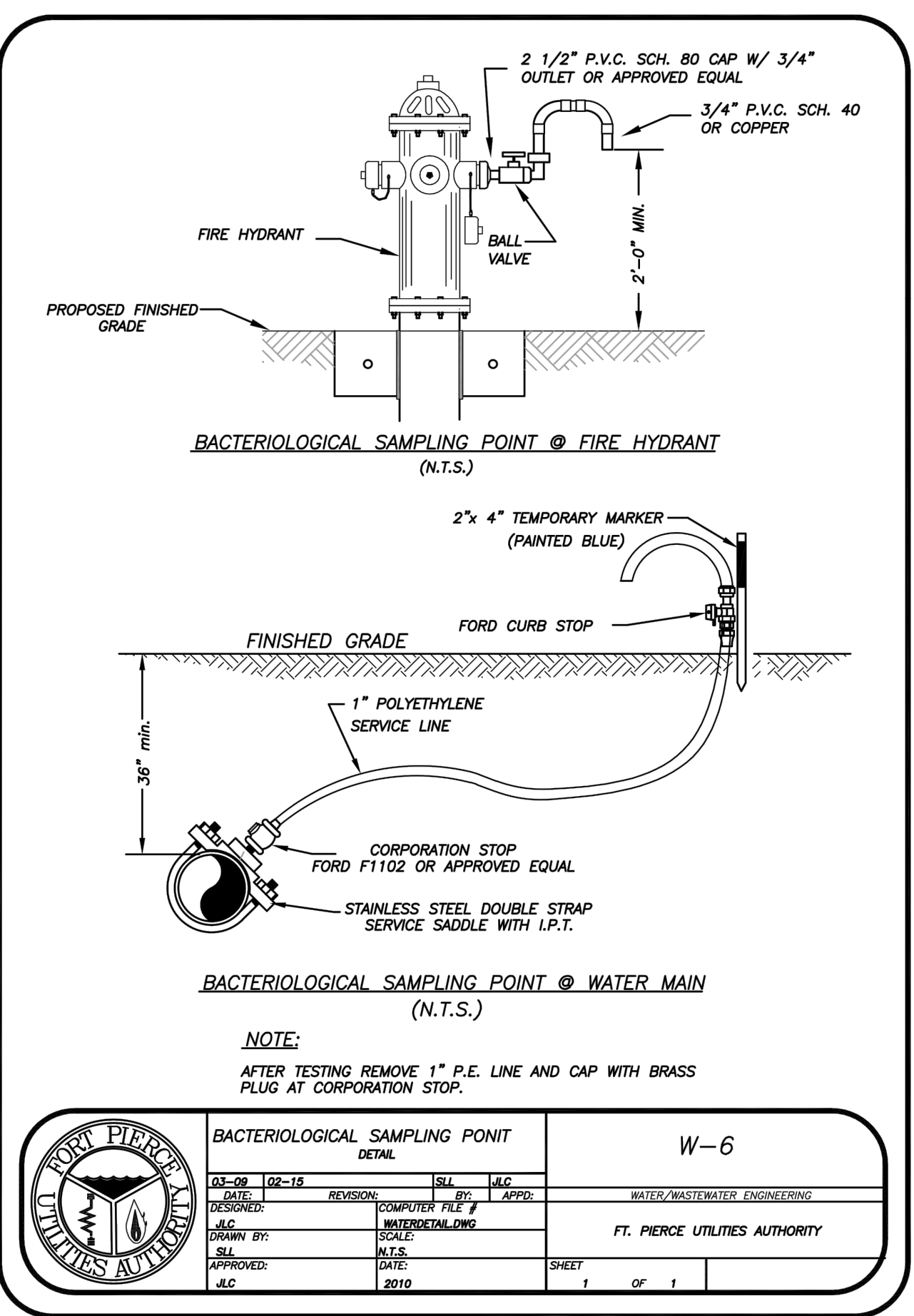
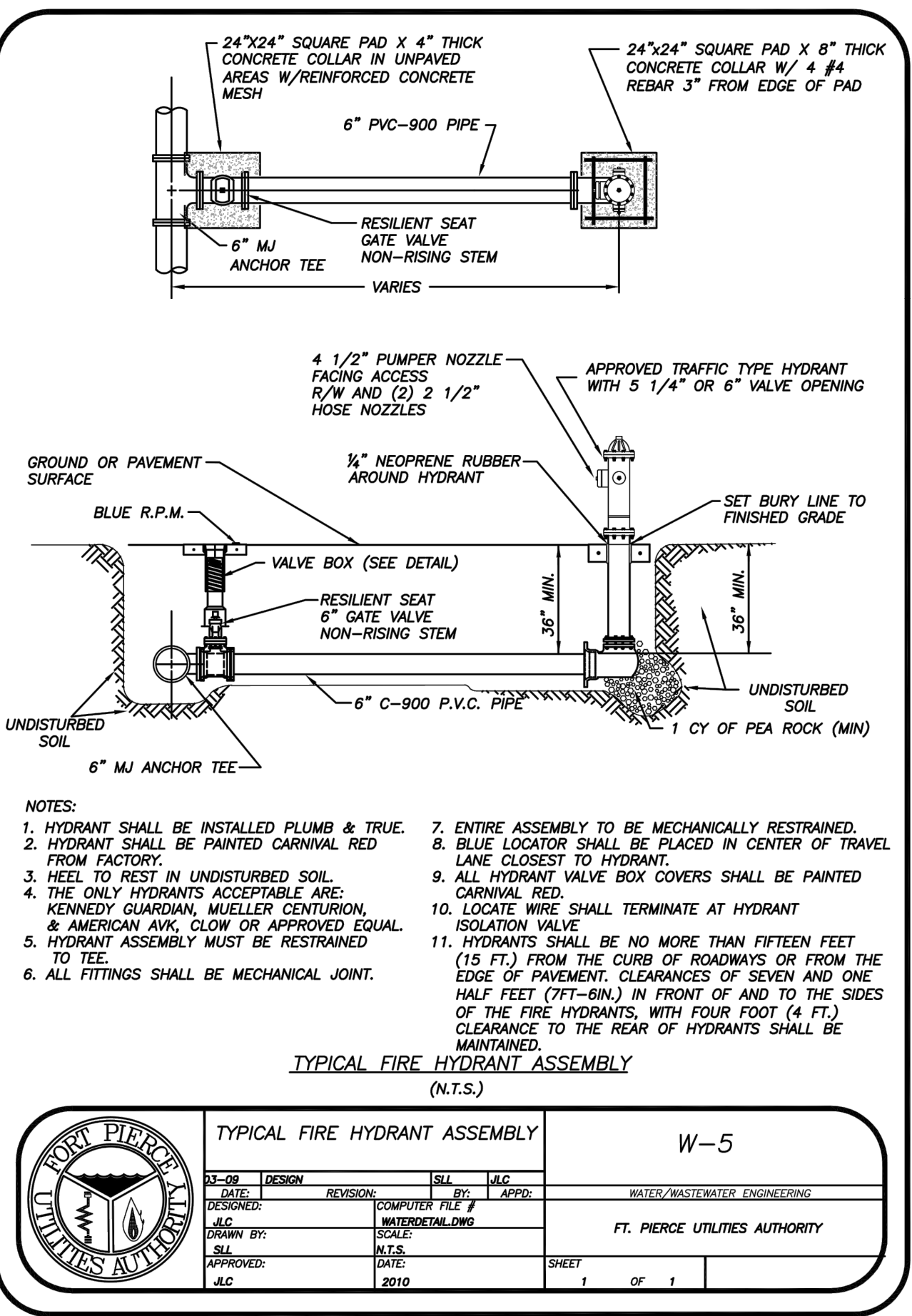
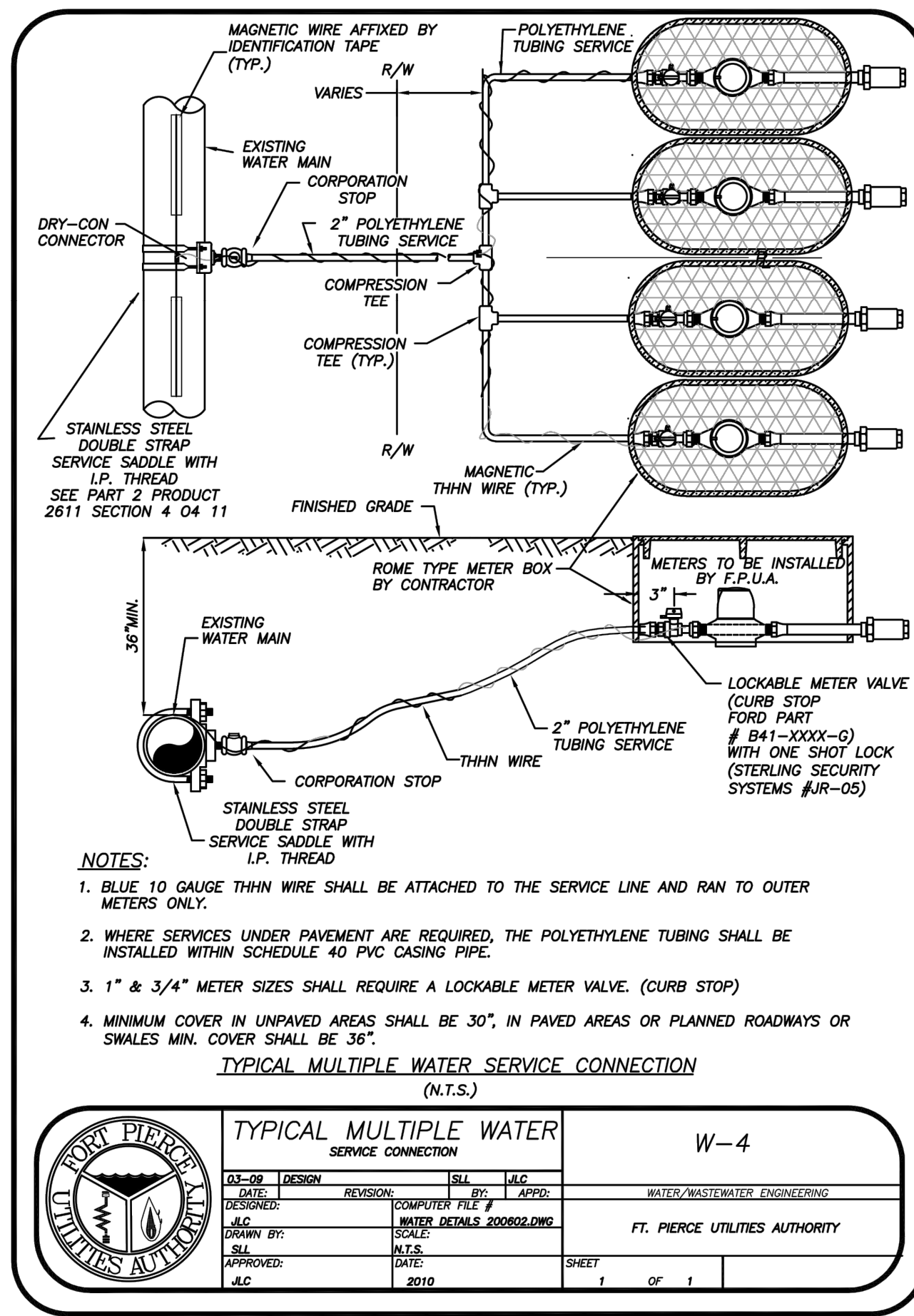
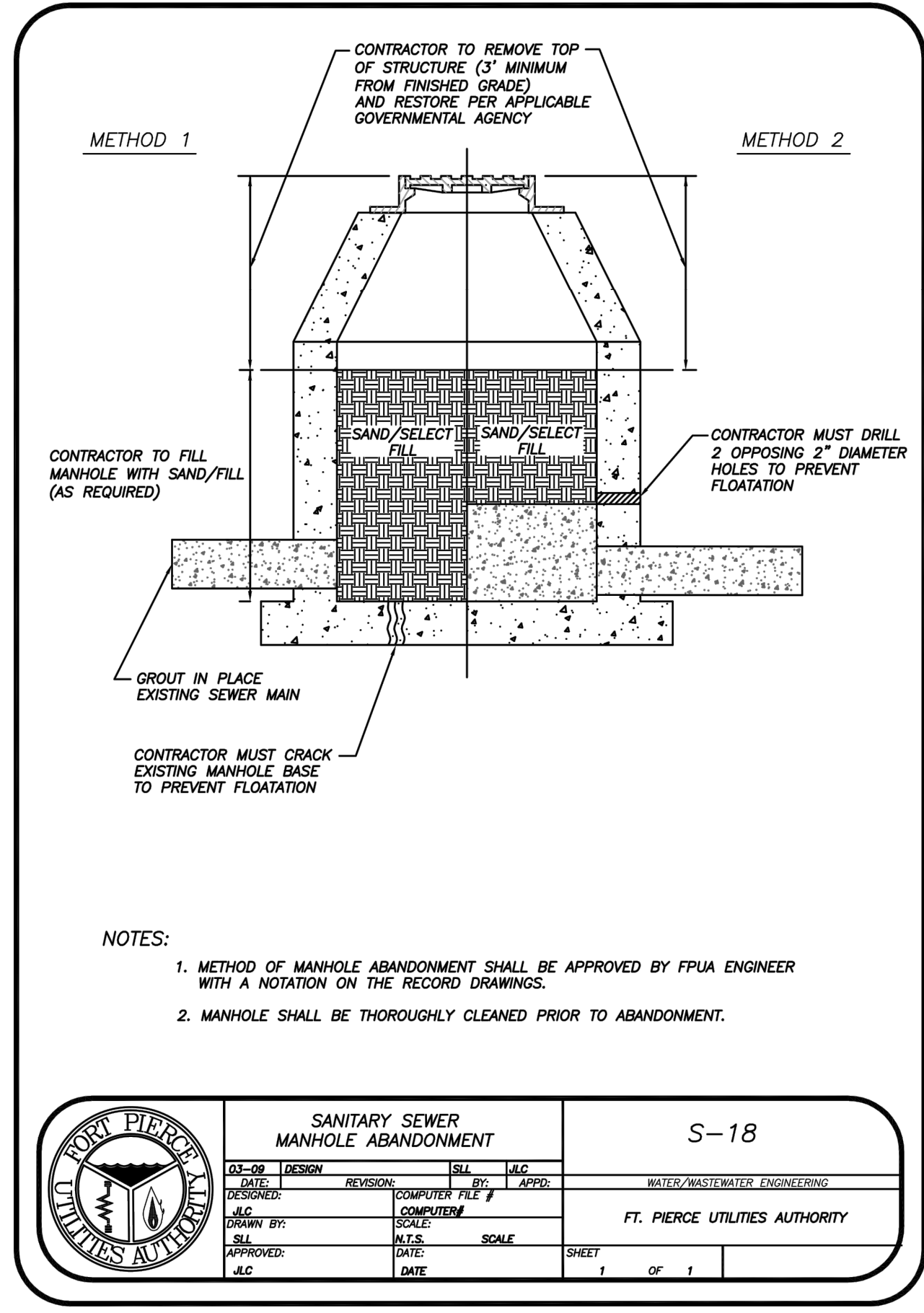
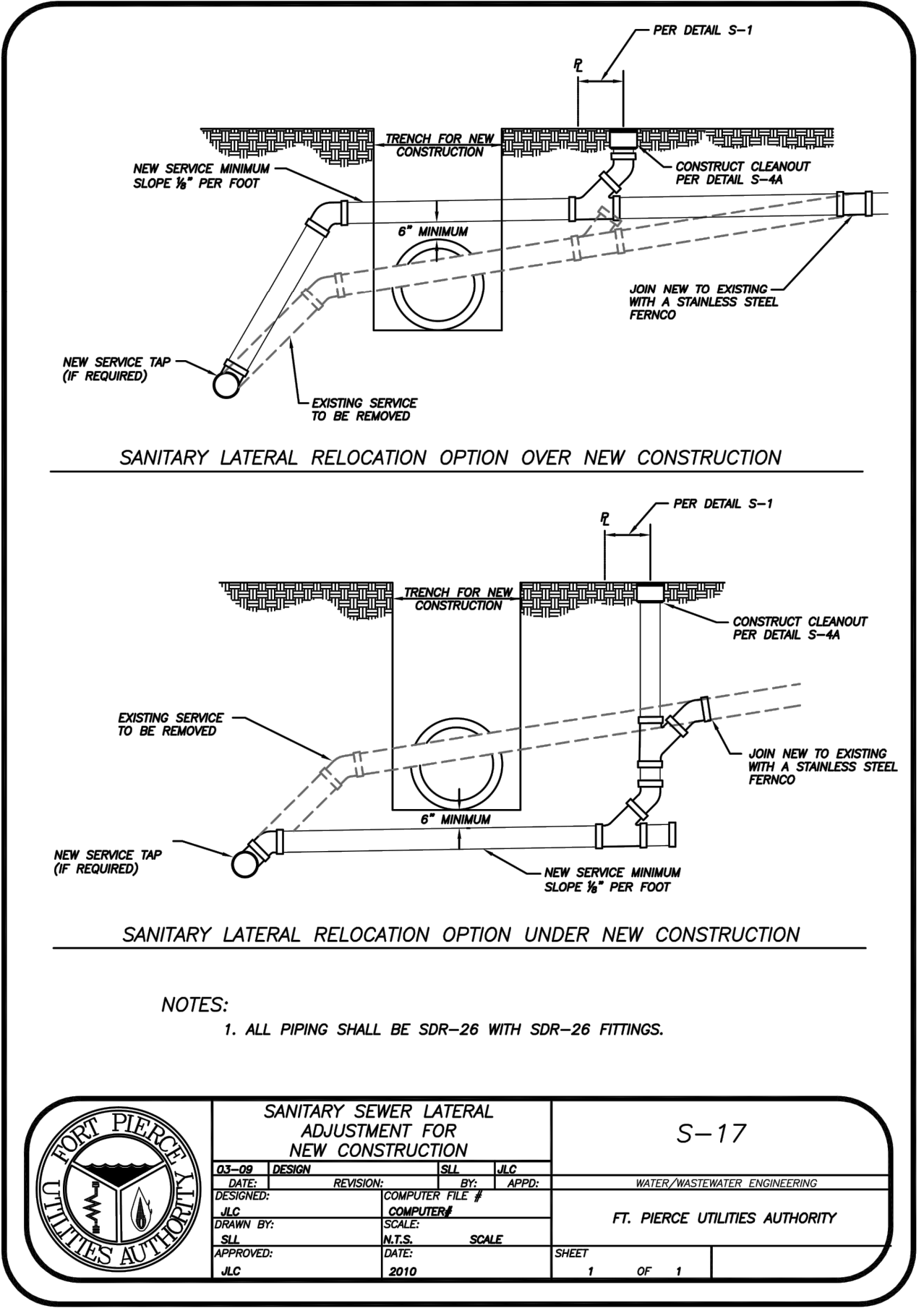
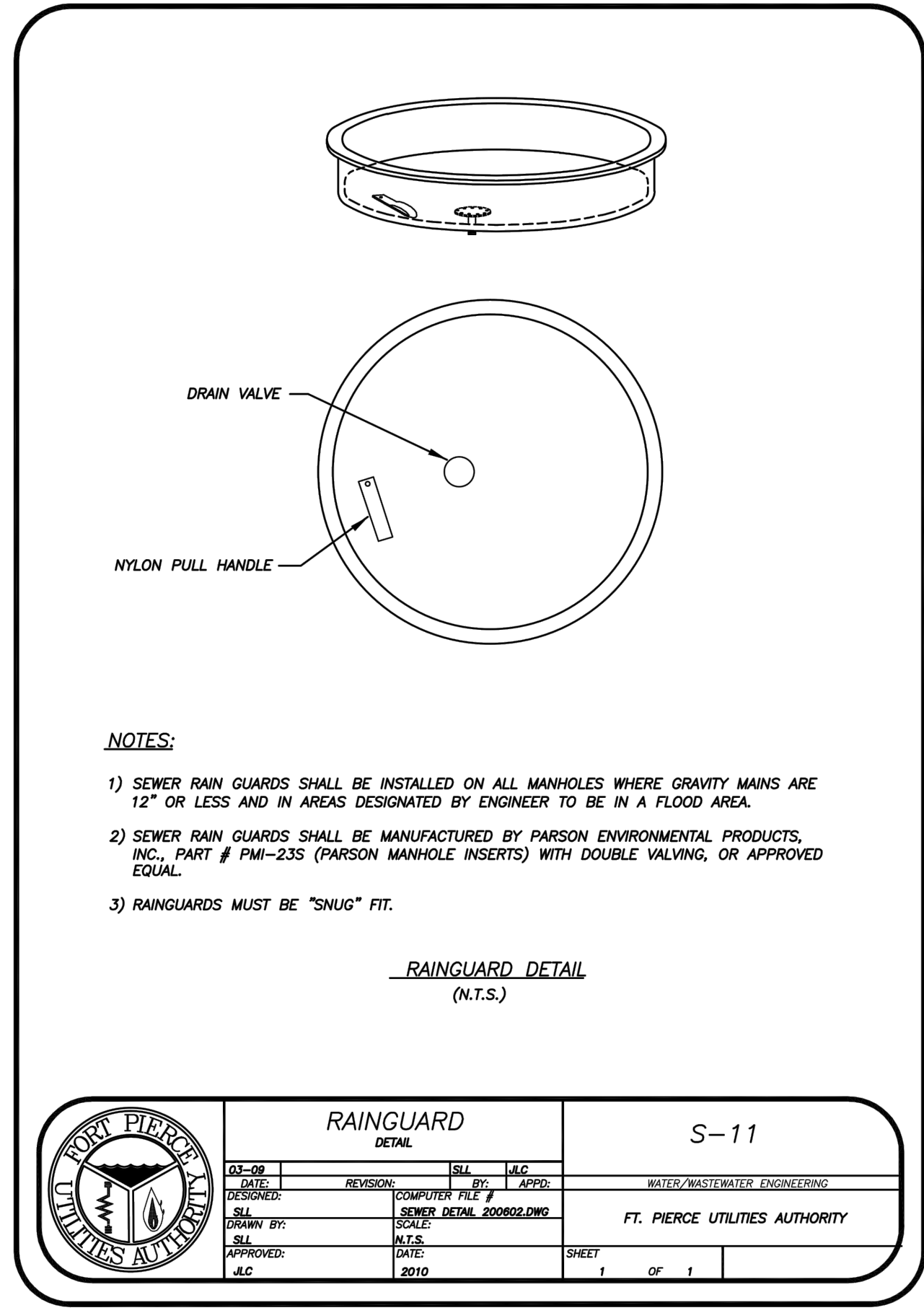
NOTES:

- 1) TRACE WIRE IS REQUIRED ON ALL PIPE AS NOTED BY UTILITIES ENGINEER AND SHOWN IN STANDARD DETAILS.
- 2) INCLUDE ALL COST OF MATERIAL & LABOR IN PRICE OF PIPE.
- 3) CONTRACTOR IS RESPONSIBLE FOR CONTINUITY OF ALL TRACE WIRE.

WOHLFARTH CONSULTING GROUP LLC ENGINEERS & PLANNERS 246 N. WESTMORE DRIVE ALPHARETTA, GA 30201 (407) 750-3123 ORLANDO		MAYFAIR FORT PIERCE, FLORIDA FORT PIERCE UTILITY AUTHORITY STANDARD DETAILS
SCALE: N/A	PROJECT: 2017-004	CHECKED: RW
DRAWN: DM	DESIGNED: DM	DATE: 11/29/2018
SHEET: C-8.5	DATE: 11/29/2018	DATE: 11/29/2018
W GROUP LAND DEVELOPMENT & ENGINEERING SERVICES BUSINESS NO. 32108		

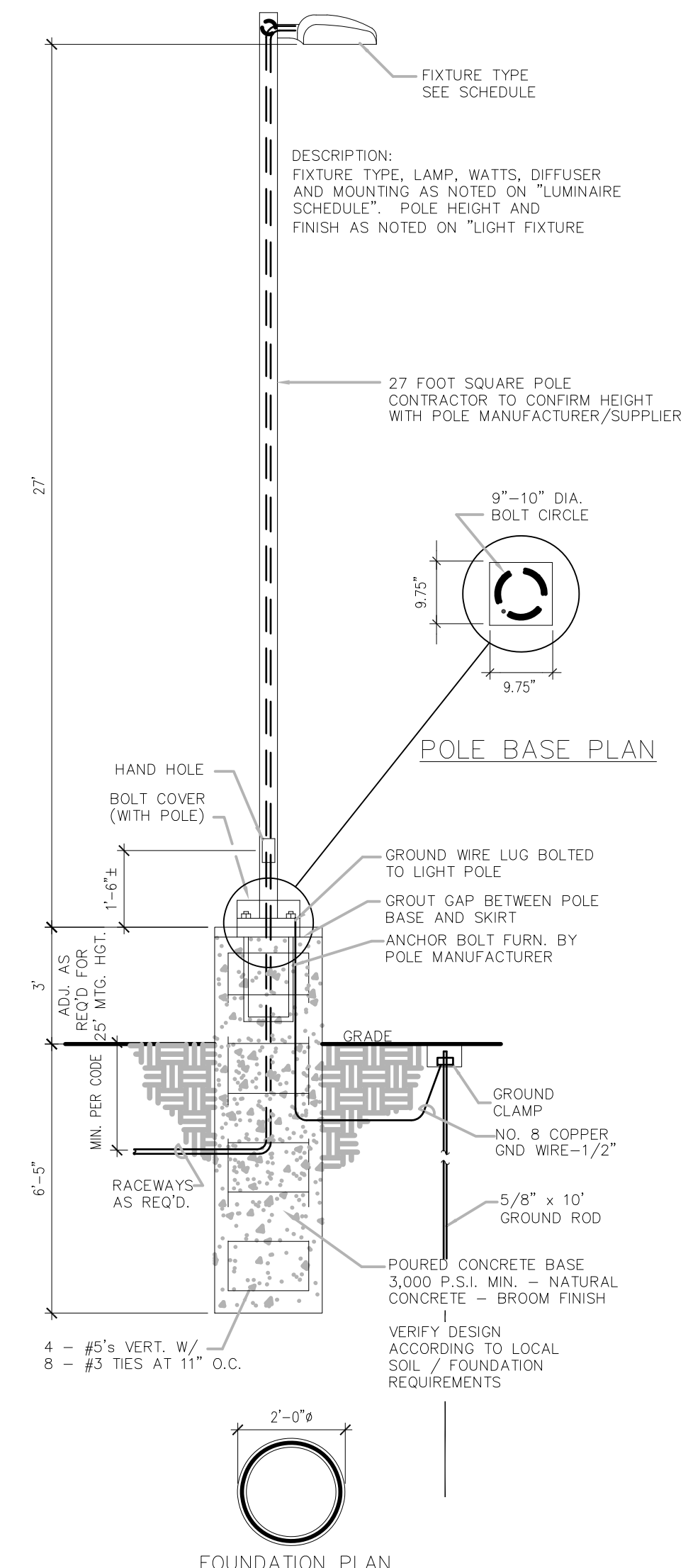
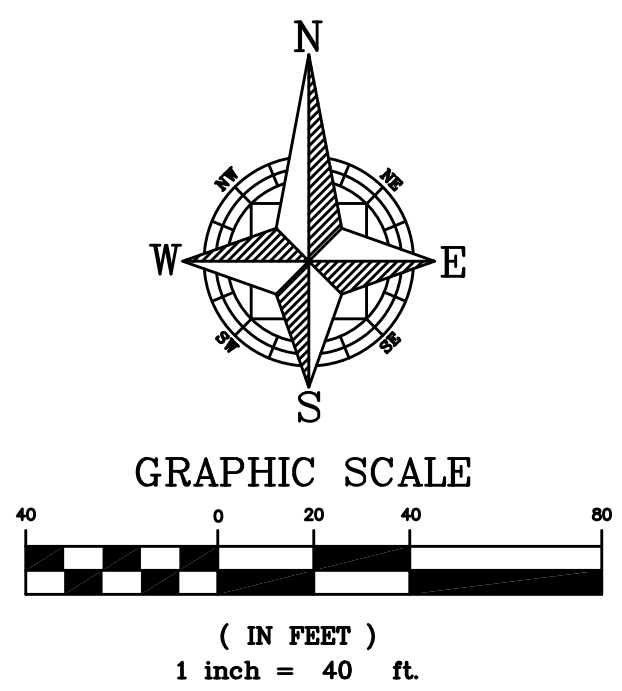
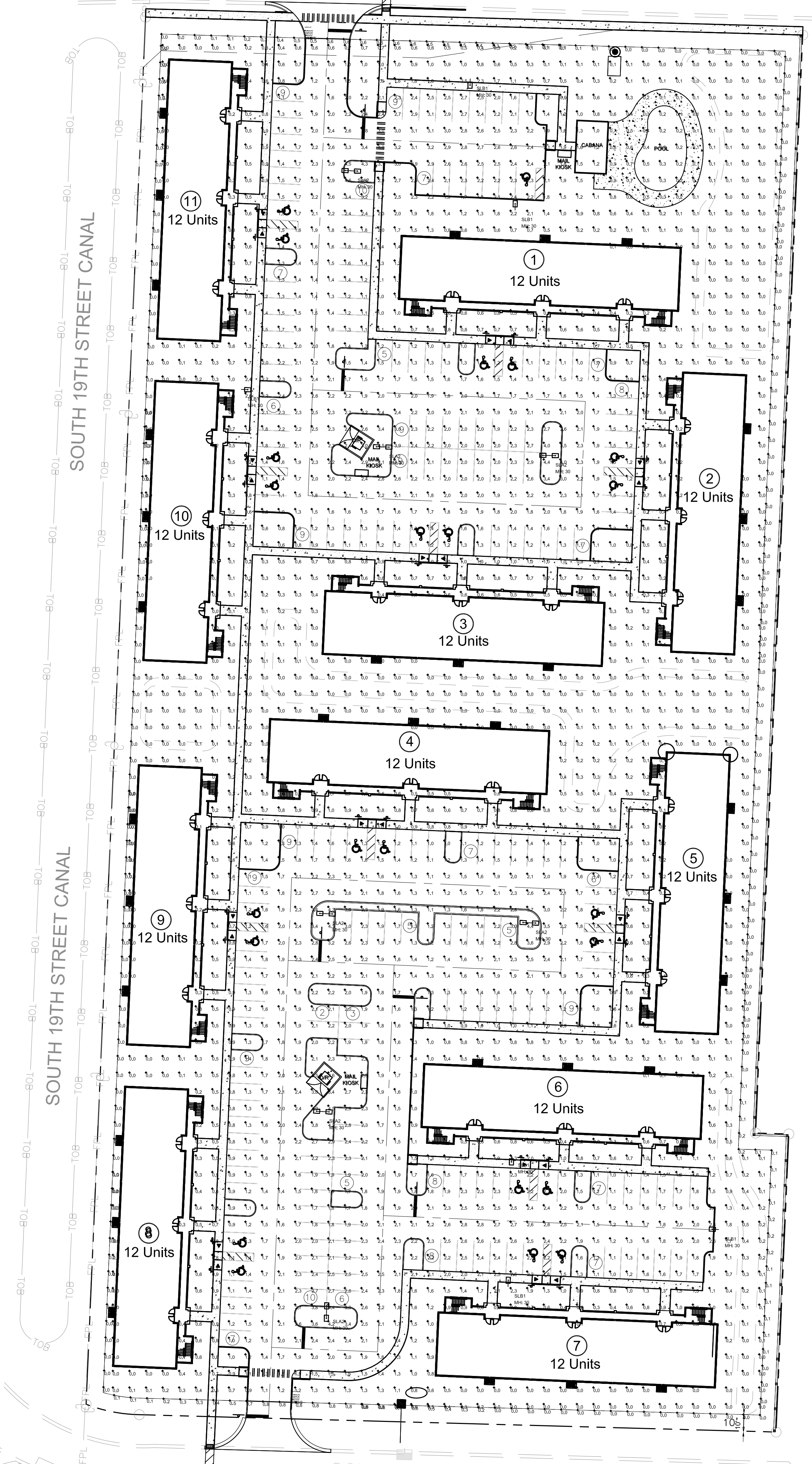


WOHLFARTH CONSULTING GROUP LLC ENGINEERS & PLANNERS		11/29/2018	
246 N. WESTMOORE DRIVE ALAMOGADO, FL 32114 (407) 750-3123		ORLANDO	
MAYFAIR FORT PIERCE, FLORIDA		FORT PIERCE UTILITY AUTHORITY	
STANDARD DETAILS		C-8.6	
SCALE: N/A	PROJECT: 2017-004	CHECKED: RW	DATE: 11/29/2018
DRAWN: DM	DESIGNED: DM	SHEET: C-8.6	
BUSINESS NO. 32108			



WOHLFARTH CONSULTING GROUP LLC ENGINEERS & PLANNERS 246 N. WESTMORE DRIVE ALPHARETTA, GA 30214 (407) 750-3123 ORLANDO		MAYFAIR FORT PIERCE, FLORIDA FORT PIERCE UTILITY AUTHORITY STANDARD DETAILS
DRAWN: DM DESIGNED: DM PROJECT: 2017-004 SHEET: C-8.7	CHECKED: RW DATE: 11/29/2018	BUSINESS NO. 32108 LAND DEVELOPMENT & ENGINEERING SERVICES

NEBRASKA AVE.



NOTES:
 ALL CONCRETE POLE BASES TO BE INSTALLED OF 24"-36" BEHIND BACK OF CONCRETE CURB.
 POLE SHALL BE CAPABLE OF WITHSTANDING 120 MPH WIND SPEED.

① SITE LIGHTING POLE AND BASE NTS

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
CALC POINTS	Illuminance	Fc	1.07	4.6	0.0	N.A.	N.A.
PROPERTY LINE	Illuminance	Fc	0.09	0.8	0.0	N.A.	N.A.
NORTH LOT	Illuminance	Fc	1.93	4.6	0.6	3.22	7.67
SOUTH LOT	Illuminance	Fc	1.87	4.5	0.8	2.34	5.63

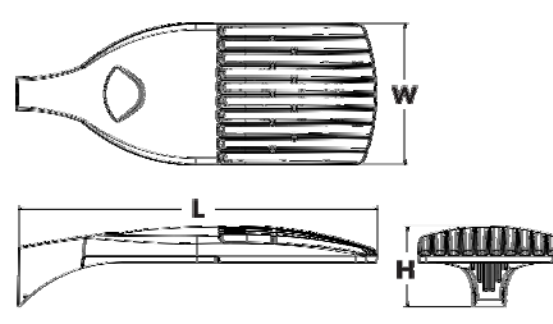
Label	Qty	Symbol	Arrangement	(MANUFAC)	Description	LLF	Lum. Lumens	Lum. Watts	Total Watts	Cutoff Class	BUG Rating
SLA2	7	[Symbol]	BACK-BACK	Lithonia Lighting	DSX1 LED P5 40K T3M MVOLT SPA DBLXD; MOUNTED @ 30° AFG ON SQUARE TAPERED DIRECT BURY CONCRETE POLE	1.000	15376	138	1932	N.A.	B3-U0-G3
SLB1	6	[Symbol]	SINGLE	Lithonia Lighting	DSX1 LED P5 40K T3M MVOLT SPA HS DBLXD; MOUNTED @ 30° AFG ON SQUARE TAPERED DIRECT BURY CONCRETE POL	1.000	12460	138	828	N.A.	B2-U0-G2

WOHLFARTH CONSULTING GROUP LLC ENGINEERS & PLANNERS	246 N. WESTMOORE DRIVE ALAMOGADO, CA 92013 (607) 750-3123	ORLANDO	MAYFAIR FORT PIERCE, FLORIDA	SITE PHOTOMETRIC PLAN	
DRAWN: DM	DESIGNED: DM	CHECKED: RW	DATE: 8/22/2018		
SCALE: 1" = 40'	PROJECT: 2017-004	SHEET: C-9.0			
LAND DEVELOPMENT & ENGINEERING SERVICES			BUSINESS NO. 32108		
					8/22/18
NOT TO BE FILED FOR RECORD UNLESS SIGNED AND DATED WITH THE ORIGINAL SET OF RECORD DRAWINGS BY THE ENGINEER OF RECORD, WOHLFARTH CONSULTING GROUP LLC, ORLANDO, FL, 32804					



D-Series Size 1 LED Area Luminaire

Specifications
EPA: 1.01 (1000 lumens)
Length: 33"
Width: 13"
Height: 7-1/2"
Weight (max): 27 lbs



Color Matrix table with columns for Color, Kelvin, and CRI.

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency.
- This luminaire is A+ Certified when ordered with DTL* controls marked by a shaded background.
- DTL, DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability.
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a shaded background.

To learn more about A+, visit www.acuitybrands.com/apls.
1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately. Link to Roam; Link to DTL DLL.

A+ Capable options indicated by this color background.

Ordering Information

DSX1 LED	Forward optics	Color temperature	Driver	Mounting	Shipped included
P1	P4	3000K	T15	Type II short	SPA
P2	P5	3000K	T25	Type II short	BPA
P3	P6	3000K	T35	Type II short	WBA
P4	P7	3000K	T35	Type II short	SQUBA
P5	P8	3000K	T35	Type II short	SQUBA
P6	P9	3000K	T35	Type II short	SQUBA

Control options	Other options	Field options
PER: NEMA twist-lock receptacle only (controls ordered separate)	PH1FCY: 0° beam, medium/ambient sensor, 15-30° mounting height, ambient sensor enabled at 10'	DDX0: Dark bronze
PER: Fine-wire receptacle only (controls ordered separate)	HL30: 0° beam, high/ambient sensor, 15-30° mounting height, ambient sensor enabled at 10'	DDX1: Black
PER: Coarse-wire receptacle only (controls ordered separate)	HL30: 0° beam, high/ambient sensor, 15-30° mounting height, ambient sensor enabled at 10'	DDX2: Natural aluminum
DNS: 0-10V dimming control not back at factory for external control (dash exit fixture)	PH1F03: Part right, dim 0 lux	DDX3: White
DS: Dual switching	PH1F03: Part right, dim 0 lux	DDX4: Insulated dark bronze
PR: 0° beam, medium/ambient sensor, 15-30° mounting height, ambient sensor enabled at 10'	PH1F03: Part right, dim 0 lux	DDX5: Insulated black
PR: 0° beam, medium/ambient sensor, 15-30° mounting height, ambient sensor enabled at 10'	PH1F03: Part right, dim 0 lux	DDX6: Insulated natural aluminum
PR1FCY: 0° beam, medium/ambient sensor, 15-30° mounting height, ambient sensor enabled at 10'	PH1F03: Part right, dim 0 lux	DDX7: Insulated white
PR1FCY: 0° beam, medium/ambient sensor, 15-30° mounting height, ambient sensor enabled at 10'	PH1F03: Part right, dim 0 lux	DDX8: Insulated white

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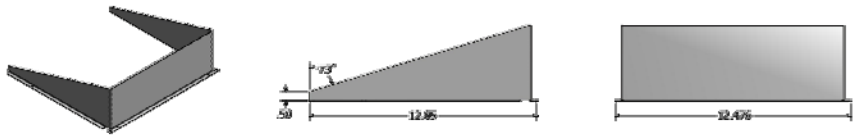
Ordering Information

Accessories

DL101510	Photo-Cell (30-3000K)
DL101510L	Photo-Cell (30-3000K)
DL101510R	Photo-Cell (30-3000K)
DL101510S	Photo-Cell (30-3000K)
DL101510T	Photo-Cell (30-3000K)
DL101510V	Photo-Cell (30-3000K)
DL101510W	Photo-Cell (30-3000K)
DL101510X	Photo-Cell (30-3000K)
DL101510Y	Photo-Cell (30-3000K)
DL101510Z	Photo-Cell (30-3000K)

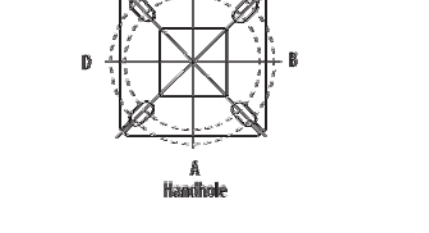
NOTES:
1. P1, P2, P3, P4, P5, P6, P7, P8, P9 are not available for 15-30° mounting height.
2. DL101510, DL101510L, DL101510R, DL101510S, DL101510T, DL101510V, DL101510W, DL101510X, DL101510Y, DL101510Z are not available for 15-30° mounting height.
3. DL101510, DL101510L, DL101510R, DL101510S, DL101510T, DL101510V, DL101510W, DL101510X, DL101510Y, DL101510Z are not available for 15-30° mounting height.
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7. DL101510, DL101510L, DL101510R, DL101510S, DL101510T, DL101510V, DL101510W, DL101510X, DL101510Y, DL101510Z are not available for 15-30° mounting height.
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13. DL101510, DL101510L, DL101510R, DL101510S, DL101510T, DL101510V, DL101510W, DL101510X, DL101510Y, DL101510Z are not available for 15-30° mounting height.
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20. DL101510, DL101510L, DL101510R, DL101510S, DL101510T, DL101510V, DL101510W, DL101510X, DL101510Y, DL101510Z are not available for 15-30° mounting height.

External Glare Shield



Drilling

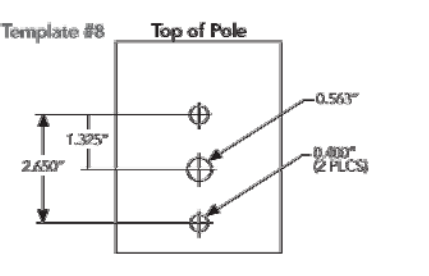
HANDHOLE ORIENTATION



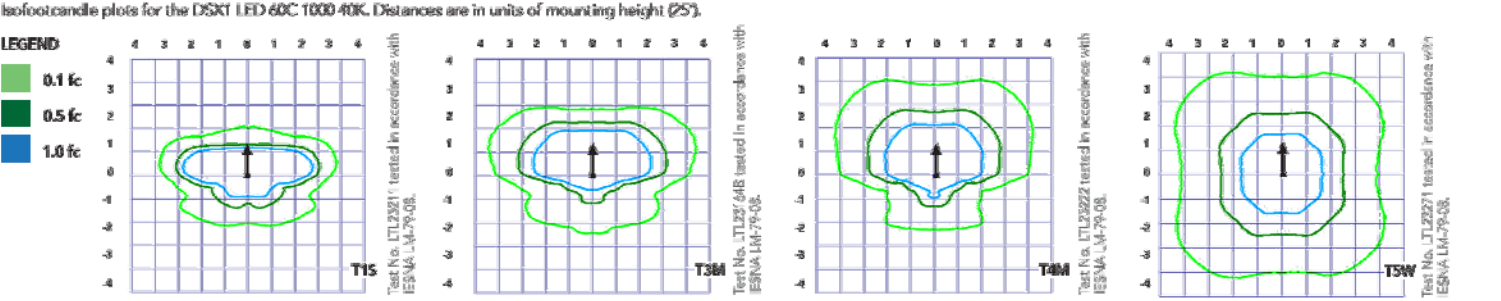
Tenon Mounting Slipfitter**

Slipfitter Code	Slipfitter Size	Slipfitter Material	Slipfitter Finish
AS10-150	1.50"	Aluminum	Anodized
AS10-200	2.00"	Aluminum	Anodized
AS10-250	2.50"	Aluminum	Anodized
AS10-300	3.00"	Aluminum	Anodized
AS10-350	3.50"	Aluminum	Anodized
AS10-400	4.00"	Aluminum	Anodized

Mounting Option	Mounting Material	Mounting Finish
SPA	Square pole mounting	Anodized
BPA	Round pole mounting	Anodized
WBA	Wall bracket	Anodized
SQUBA	Square pole universal mounting adapter	Anodized
SPUBA	Round pole universal mounting adapter	Anodized
EMMA10000U	Hex arm mounting bracket adapter (specify finish)	Anodized



Photometric Diagrams



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Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Ambient Temp	Multiplier
0°C	1.00
5°C	1.00
10°C	1.01
15°C	1.02
20°C	1.03
25°C	1.04
30°C	1.05
35°C	1.06
40°C	1.07

Electrical Load

Forward Optics (Optics Only)	Power (W)	Current (A)	Voltage (V)	Power Factor
P1	30	0.05	120V	0.95
P2	30	0.05	120V	0.95
P3	30	0.05	120V	0.95
P4	30	0.05	120V	0.95
P5	30	0.05	120V	0.95
P6	30	0.05	120V	0.95
P7	30	0.05	120V	0.95
P8	30	0.05	120V	0.95
P9	30	0.05	120V	0.95

Projected LED Lumen Maintenance

Operating Hours	0	25000	50000	100000
Lumen Maintenance (%)	1.00	0.96	0.92	0.85

Material Selection Default Settings

Option	Default State	High Level Default Selection	Power Level	Mounting	Temp. Rise	Temp. Rise	Temp. Rise
PER or PERH	PER (E181)	PER (E181)	5.0m	3 sec	5 m/s	3 sec	5 m/s
PH1FCY or PH1F03	PH1FCY (E181)	PH1FCY (E181)	5.0m	3 sec	5 m/s	3 sec	5 m/s

PER Table

Control	PER (3 wire)	PER (2 wire)	PER (1 wire)	PER (0 wire)
Permanently On (PO)	✓	✓	✓	✓
Dim	✓	✓	✓	✓
Dim with Dimmable (Dimmable only)	✓	✓	✓	✓
Dim with Dimmable (Dimmable only)	✓	✓	✓	✓
Dim with Dimmable (Dimmable only)	✓	✓	✓	✓
Dim with Dimmable (Dimmable only)	✓	✓	✓	✓

PER Table Legend: ✓ Compatible, ✗ Incompatible, △ Warning

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SCALE	N/A	PROJECT	2017-004	SHEET	C-9.1	DATE	8/22/2018
DRAWN	DM	DESIGNED	DM	CHECKED	RW	DATE	8/22/2018
MAYFAIR FORT PIERCE, FLORIDA				SITE PHOTOMETRIC CUT SHEETS			
WOHLFARTH CONSULTING GROUP LLC ENGINEERS & PLANNERS				246 N. WESTMONT DRIVE ALAMANDA (407) 790-3123 ORLANDO			
BUSINESS NO. 32108							
8/22/18							
NOT TO BE FILED FOR RECORD UNLESS SIGNED AND DATED WITH THE ORIGINAL SET OF PHOTOMETRIC CUT SHEETS. ALAMANDA, FLORIDA							

LANDSCAPE GENERAL NOTES

- All existing trees to remain and all relocated plant material shall be protected from damage or injury and shall be barricaded or otherwise suitably flagged and protected from injury.
- The Contractor shall be responsible for verifying all underground utilities prior to digging in any area. The Contractor shall notify all necessary utility companies 48 hours minimum prior to digging for verification of all underground utilities, irrigation and all other obstructions and coordinate with Owner's Representative prior to initiating operations. Drawings are prepared according to the best information available at the time of preparing these documents.
- The Contractor is responsible to ensure proper watering and maintenance of new and relocated materials during the warranty period.
- Contractor is to report any discrepancies between the construction drawings and field conditions to the Owner immediately.
- The Contractor shall be responsible for the guarantee of all plant material for a period of twelve (12) months from the date substantial completion. Substantial completion constitutes the beginning of guarantee period
- Contractor shall familiarize himself/herself with existing site conditions prior to initiating planting. All existing site furnishings, paving, landscape and other elements to remain shall be protected from any damage throughout all construction phases unless otherwise noted.
- Landscape Contractor shall coordinate all work with related contractors and with the general construction of the project in order not to impede the progress of the work of others or the Contractor's own work. Landscape contractor shall provide schedule of his/her works two weeks in advance, beginning two weeks prior to commencing landscape trade construction.
- Contractor shall be responsible to remove existing ground cover for all planting beds as specified prior to planting relocated material. Contractor shall be responsible to replace all portions of existing landscape and hardscape areas damaged while completing planting installation with same grass or materials species to the satisfaction of the Owner.
- The Contractor shall bear all costs of testing of soils, amendments, etc. associated with the work and included in the specifications. Prior to commencement of the landscape planting work the Contractor shall provide complete soil tests with recommendations for the installation area.
- All plant material that may need to be replaced shall be in full and strict accordance to Florida No. 1 grade, according to the "Grades and Standards for Nursery Plants", published by the Florida Department of Agriculture and Consumer Services, the project manual and/or specifications. Plant material in some cases may exceed Florida No. 1 grade in order to meet the minimum requirements for the project.
- Landscape Contractor shall field stake the location of all plant material prior to initiating installation for the review and approval of the Owner and/or Landscape Architect.
- Landscape Contractor shall field adjust location of plant material as necessary to avoid damage to all existing underground utilities and/or existing above ground elements. All changes required shall be completed at the Contractor's expense and shall be coordinated with the Owner and the Landscape Architect.
- Any substitutions in size and/or plant material must be approved by the Landscape Architect or Owner prior to modification of the contract, purchasing and delivery of plants. All plants will be subject to approval by Landscape Architect and/or Owner before planting can begin. All plant materials will not include any plants considered to be invasive to South Florida's native plant communities.
- Contractor shall refer to the landscape planting details, general notes and the project manual and/or specifications for further and complete landscape planting instructions.
- Landscape Contractor shall coordinate all planting work with permanent or temporary irrigation work. Landscape Contractor shall be responsible for all hand watering as required by Owner to supplement irrigation watering and rainfall. Landscape Contractor shall be responsible for hand watering in all planting areas, regardless of the status of existing or proposed irrigation.
- Landscape Contractor shall clean the work areas at the end of each working day. Rubbish and debris shall be collected and deposited off-site daily. All materials, products and equipment shall be stored in an organized fashion as directed by the Owner.
- Landscape Contractor shall regrade all areas disturbed by plant removal, relocation and/or installation work. Landscape Contractor shall replace (by equal size and quality) any and all existing plant material disturbed or damaged by plant removal, relocation, and/or installation work.
- Site distance concerns must be maintained for clear site visibility from thirty (30) inches to seventy - two (72) inches, tree trunks excluded as specified
- Guying / staking practices shall not permit nails, screws, wires etc. to penetrate outer surface of tree or palm. Trees or palms rejected due to this practice shall be replaced at the Contractor's expense.
- Burlap material, wire cages, plastic straps, etc., must be cut and removed from top one - third (1/3) of root ball. Remove all nylon/ non organic material.
- Trees grown in grow bags or grow bag type material are not allowed.
- All planting materials shall meet or exceed Florida Grade # 1 as specified in Grades and Standards for Nursery Plants and Part II, Palms and Trees, current edition.
- All installed landscape and design specifications shall meet or exceed the minimum requirements as shown in the City of Apopka Development Code.
- The Contractor shall not relocate or demolish any existing trees or palms on better appropriate tree relocation and clearing and grubbing permits are obtained from the ADJ.

TREE PROTECTION AND RELOCATION NOTES

GENERAL NOTE:
All trees and palms will be evaluated for protection and relocation. Relocated trees will be handled in accordance with the following specifications. Trees to be removed will be mitigated as required.

1.1 WORK TO BE PERFORMED AND WORK INCLUDED

- Provide the following:
Prepare and relocate trees and palms designated for relocation within the project boundaries into holding areas, to include all aspects of preparation, acclimatization, holding, relocation, protection, and maintenance.
Protection and care of existing trees and palms to remain within the project boundaries.
 - Installation and operation of temporary irrigation system and hand watering as required by these specifications.
 - Establishment of holding areas as necessary to support the phasing of the project.
 - Follow-up maintenance as required by these specifications.
 - Labor, materials, equipment and services to complete all preparation, relocations and protection work as indicated on the drawings, as specified herein, or both.

2.1 PREPARATION FOR RELOCATION OF TREES AND PALMS

- Crown Pruning
 - All pruning on site shall conform to ANSI Standard A-300, 2001.
- Fertilization and Watering
 - Preparation
 - All Trees and Palms to be relocated shall be treated with wetting agents, fertilizers, root stimulants, and soil conditioners at the time of relocation. See specifications.
 - Form and maintain an earth berm 6" high outside the proposed root ball prior to watering and apply 3" approved mulch within saucer. Water application shall saturate the root ball to its entire depth.
- Root Pruning

- Watering
All trees and palms to be relocated are to be provided with an automatic irrigation system which provides 2 bubbler heads to each tree and palm, prior to root pruning.

Provide irrigation timer, or battery powered valve to water trees to be relocated. Hand watering in lieu of automatic system shall not be allowed, however hand watering shall be performed to avoid lapses should the automatic system be inoperable for more than 24 hours and during the initial planting period as specified.

2.2 RELOCATION OF TREES AND PALMS

- Preparation - Trees and palms shall be thoroughly soaked to the full depth of the root ball daily for seven consecutive days prior to relocation. Accurately locate position and elevation where all trees are intended to be planted, for verification by Landscape Architect. Verify that no overhead or underground utilities, existing or proposed, conflict with proposed locations.
- Digging and Handling
 - Determine line of previous root pruning and excavate around root mass to leave area outside line of root pruning undisturbed. Digging shall be accomplished so as to produce clean cuts on all roots without tearing or spilling. Trenching shall be a minimum of 48" deep.
 - Trees shall be handled in such a way as to avoid damage to bark and limbs subject to support cables or chains. Attach padded support cables or chains at multiple points where possible.
 - Root balls shall be undercut prior to lifting. Do not force tree from ground prior to undercutting. Ball depth to be determined upon assessing conditions at time of trenching, to keep intact the entire root ball.
 - Trees shall be properly wrapped during moving so trunks will not be scarred and damaged and to avoid broken limbs. Broken limbs or scarred trunks shall cause tree to be unacceptable and rejected at the Owner's option. Root balls and foliage shall be kept moist during all phases of relocation.

Partially backfill tree pits with 12" of approved planting soil prior to setting tree. This layer of soil to be thoroughly drenched prior to relocation to achieve a stable platform at the correct elevation so that the top of root ball is 1" above proposed grade.

Backfilling - Flood bottom foil layer to settle tree into best position and to remove air pockets. Continue to flood root ball as planting soil is deposited to insure removal of all air pockets. Produce saucer to retain water per drawings.

Bracing - Support tree with machinery until bracing is complete. Buttresses may support separate trunks on multiple trunk trees. Maintain braces until completion of project.

Irrigation - Install bubbler heads on all trees and palms. Connect each tree's system immediately to water source. Additionally, all transplanted trees and palms shall be hand watered daily for a period of six (6) weeks after transplanting. The irrigation system is designed for maintaining plant material only, and does not provide the volume of water required immediately after transplanting. Set time to run daily, to provide an equivalent of 6" of rain per week for 30 days, then reduce to equivalent of 3" per week.

2.3 PROTECTION AND CARE OF EXISTING TREES AND PALMS TO REMAIN

Watering - Existing irrigation shall remain operable to the greatest extent possible during construction. All on site trees to remain shall be supplied with temporary irrigation to remain operable until permanent irrigation is operable. Existing irrigation system to be demolished may be utilized as the temporary irrigation system.

Barricading - Barricade all existing trees and palms with six foot (6') chain link fence or other barricade approved by Owner. Barricades shall be installed at an offset distance two feet (2') outside the tree drip line/edge of tree canopy to the extent practical, prior to any construction activity.

SOIL PREPARATION AND SOIL MIX

- All plants noted for removal shall be removed and properly disposed of off-site at contractor's expense unless otherwise noted.
- Apply Roundup (manufactured by Monsanto Corp. or equal.) according to manufacturer's rate and specification within limits of all areas to be planted. Protect existing plants to remain from overspray or spray within root zone. Contractor to ensure total weed eradication from all areas to be planted.
- Before replacing topsoil, rake subsoil surface clear of stones (1" diameter and larger), debris, rubbish, and remaining roots from removed plant material.
- Scarify subsoil to a depth of six inches (6").
- Contractor to apply "Surflan" or equal, or approved pre-emergent herbicide in accordance with manufacturer's rate and specifications.
- PLANTING SOIL MIXES
Existing soil may be used for planting mixes at owner's discretion if deemed suitable by testing provided by A&L southern laboratories to meet the required specifications.

2.4 Soil Amendments

SOIL CONDITIONERS

- Aluminum Sulfate: Manufacturer's standard commercial grade.
- Peat: Federal Specifications Q-P-166 Type 1, Class B, Sphagnum moss.
- Pesticides: As recommended by applicable Agricultural Public Agencies.
- Herbicides and Sterilizers:
 - "Ronstar" pre-emergent herbicide or approved equal
 - "Roundup" systemic herbicide or approved equal
- Soil Amendments:
 - Fertilizer/ Amendments
 - All fertilizers shall be manufactured from quality materials, be free from impurities, uniform in composition meet recognized standards for effectiveness and be free flowing and suitable for application with approved equipment.
 - All fertilizer shall be delivered to the site in bags or other convenient containers, each fully labeled, conforming to the applicable state fertilizer laws, bearing the grade and the trade name of the producer.
 - Die Hard Root Reviver - Endo and Ectomycorrhizal inoculant, as manufactured by Die hard, 1,800.628.6373 or approved equal.
 - Die Hard Transplant - One Step - Endo and Ectomycorrhizal inoculant, as manufactured by Die hard, 1,800.628.6373 or approved equal.
 - Time release, Palm Mix fertilizer with minor elements or approved equal.
 - Time release, Tree and Shrub Mix fertilizer, 6-6-6, with minor elements or approved Equal.
 - Granular Triple Super Phosphate as manufactured by IMC, Agric. 708.970.3000.
 - Agrifrom Planting Tablets, 8-8-6 plus minors, as manufactured by Grace Sierra, 408.263.8080 or approved equal.
 - Scott's Turf Starter (16-25-12) or approved equal.
 - Wetting agent to be Terra Sorb or approved equal.
 - Soil conditioner to be "Super Lesco Wet", as manufactured by Lesco, Inc. or Approved Equal.

- Florida peat shall be free of deleterious materials that would be harmful to plant growth, shall be free of nematodes, shall be of uniform quality, and shall have a pH value between 5.3 and 6.5 (as determined in accordance with ASTM E70). Florida peat shall be sterilized to make free of all viable nut grass and other undesirable weeds.
- Topsoil shall be natural, fertile, agricultural soil capable of sustaining vigorous plant growth. It shall be of uniform composition throughout, with admixture of subsoil. It shall be free of stones, lumps, live plants in their roots, sticks, and other extraneous matter. Spread topsoil mixture to minimum depth of four inches (3") throughout all lawn areas and twelve inches (8") in all areas to be landscaped.
- Remove all rocks and other objects over one inches (1") in diameter.
- Smooth all soil mixture to five inches (5") below top of surrounding pavement edges. This allows room for 3" of mulch and 2" clear space below top of pavement.
- Smooth topsoil mixture to two inches (2") below finish grade in areas to be sodded.
- Topsoil shall not be extremely acid or alkaline, nor contain toxic substances which may be harmful to plant growth. The topsoil pH shall be in the range of pH 5.5 to 6.5. If necessary, the Contractor shall apply the appropriate soil amendments adjusting soil pH to assure a pH range of 5.5 to 6.5.
- Finish grade all topsoil areas to a smooth, even surface, assuring positive drainage away from the structures and eliminate any low areas which may collect water.
- Contractor shall assure percolation and drainage of all planting pits prior to planting. Contractor will be responsible for all plants lost due to the lack of percolation.

PLANTING SPECIFICATIONS

- The Contractor is responsible for maintaining, in full all planting areas (including watering, spraying, mulching, mowing, fertilizing, etc.) until the job is accepted, in full, by the Owner and/or Landscape Architect.
- All root balls shall conform to the size standards set forth in "American Standards for Nursery Stock".
- All plant material shall be protected during transport and delivery to final location with shade cloth or other acceptable means of windburn prevention.
- All trees must be guyed or staked as shown in the details.
- Installation- All plant material shall be installed in a sound, workman-like manner and according to accepted good planting and tree relocation procedures with the quality of plant materials as hereinafter described. All elements of landscaping shall be installed so as to meet all applicable ordinances and code requirements.
- There shall be no chains or cables used on trees or palms. Handle with two inch (2") minimum width nylon straps or equal.
- Contractor shall assure drainage and percolation of all planting pits prior to installation of plant material. Contractor shall fill all tree pits with water before planting to assure that proper drainage and percolation is available. Correct if required to assure percolation. Contractor is responsible for replacement of all plants lost due to inadequate drainage conditions.
- Contractor to request final acceptance of project in writing. If all work is satisfactory and complete in accordance with conditions of contract documents, then the Owner and the Landscape Architect shall declare the project substantially complete.
- Contractor to replace rejected plant material within one (1) week of written notice.
- Contractor shall mulch all plant material throughout and completely to a three inch (3") depth of loose, weed free mulch as specified.
- Plant Material which is not installed at the direction of the landscape architect or owner will become the property of the contractor unless it becomes relocated on site. The Contractor shall provide the owner a credit for any plant material not installed on the site.

LANDSCAPE NOTES (CITY OF FORT PIERCE)

1) TO SCHEDULE A LANDSCAPE INSPECTION FOR ALL COMPLETED PERMITS, CALL ALL ASSOCIATED PERMIT NUMBERS INTO THE AUTOMATED INSPECTION SYSTEM AT (407) 836-282 5 AND REQUEST A CODE "270" ZONING/LANDSCAPE INSPECTION. INSPECTIONS ARE CONDUCTED ON TUESDAYS AND FRIDAYS ONLY AND SHALL BE CALLED IN BY MIDNIGHT PRIOR TO DAY OF INSPECTION. *** ANY TREES DESIGNATED TO BE PRESERVED ON THIS PLAN BUT THAT ARE SUBSEQUENTLY REMOVED SHALL BE CONSIDERED A VIOLATION PER S EC. 15-281(E) AND AS SUCH, SHALL BE REPLACED IN INCHES ON SITE AT A 2:1 RATIO (NON-SPECIMEN TREES) A ND AT A 4:1 RATIO (SPECIMEN TREES), AS AN ALTERNATIVE, THE VIOLATION MAY BE SATISFIED BY PAYMENT IN TO THE COUNTY TREE FUND AT A RATE OF \$106 PER INCH AND \$212 PER INCH RESPECTIVELY OR BY SOME COMBINATION OF PLANTING AND PAYMENT. MITIGATION SHALL BE SATISFIED PRIOR TO RELEASE OF ZONING HOLD(S). *** NEWLY PLANTED TREES SHALL BE INSPECTED FOR REMOVAL OF ALL NON-BIODEGRADABLE BURLAP AND STRAPPING FROM THE TOP OF THE ROOT BALL. METAL STRAPPING HOOKS SHALL BE REMOVED OR BENT DOWN ALONG SIDE OF THE ROOT BALL AND COVERED WITH SOIL SO AS TO NOT PROTRUDE ABOVE GRADE. MULCH SHALL BE APPLIED 12"-18" AWAY FROM THE TREE TRUNK IN ORDER TO REDUCE INTERCEPTION OF WATER TO THE TREE ROOTS. GO TO [HTTP://HORT.IFAS.UFL.EDU/WOODY/OVER-MULCHING.SHTML](http://HORT.IFAS.UFL.EDU/WOODY/OVER-MULCHING.SHTML) FOR MORE INFORMATION.

2) MULCH, PER SEC. 24-6(B)(4) SHALL BE ORGANIC AND SHALL ALL BE SPECIFIED IN PLANT BEDS AND AROUND INDIVIDUAL TREES. WHEN APPLIED TO TREES, MULCH SHALL NOT BE PLACED ON TOP OF THE ROOT BALL OR BE PLACED AGAINST THE TRUNK. MULCH SHALL BE APPLIED A MINIMUM OF 12" TO 18" FROM THE TRUNK FOR ANY SIZED TREE. MATERIALS THAT DO NOT BIODEGRADE SUCH AS ROCK AND SHELL, ARE NOT DEEMED ACCEPTABLE. FAILURE TO INSTALL MULCH (AND TYPE OF MULCH) AS PROVIDED IN THE SPECIFICATION ABOVE MAY RESULT IN A FAILED INSPECTION. SEE [HTTP://HORT.IFAS.UFL.EDU/WOODY/OVER-MULCHING.SHTML](http://HORT.IFAS.UFL.EDU/WOODY/OVER-MULCHING.SHTML) FOR MORE INFORMATION.

3) ALL AREAS TO RECEIVE 100% COVERAGE USING AN UNDERGROUND IRRIGATION SYSTEM WITH A RAIN SENSOR. IRRIGATION CONTRACTOR TO PROVIDE SHOP DRAWINGS TO LANDSCAPE ARCHITECT OF INSTALLED IRRIGATION SYSTEM.

4) I HEREBY CERTIFY THAT THESE LANDSCAPE, IRRIGATION, AND TREE MITIGATION SHEETS ARE DESIGNED IN COMPLIANCE WITH THE ORANGE COUNTY CODE(S) CHAPTER 15 AND CHAPTER 24. THE IRRIGATION HAS BEEN DESIGNED AND WILL BE INSTALLED PER CHAPTER 37, SECTIONS 601-613.

5) THE IRRIGATION SYSTEM TO BE INSTALLED WILL BE A TEMPORARY SYSTEM FOR THE PURPOSE OF ESTABLISHING PLANT MATERIAL.

6) ALL EXISTING INVASIVE EXOTIC PLANTS, AS LISTED ON THE FLORIDA EXOTIC PEST PLANT COUNCIL'S INVASIVE SPECIES LIST SHALL BE REMOVED. (ANY DISTURBANCE OF WETLAND AREAS REQUIRES COMPLIANCE WITH CH.15 OF THIS CODE AND REVIEW BY THE COUNTY'S ENVIRONMENTAL PROTECTION DIVISION.)

RESIDENTIAL PSP NOTES:

- Residential PSP s shall comply with Section 15-306 concerning minimum number of trees per lot.
- Any trees proposed to be preserved on this approved PSP tree preservation plan that are subsequently removed, shall be considered a violation and as such shall be replaced (in inches) on site at a 2:1 ratio for Nonspecimen trees and at 4:1 for Specimen trees per Section 15-281(e). As an alternative, the violation may be satisfied via payment into the Orange County Tree Fund or by some combination of payment and onsite planting. The current fee, as may be amended by the BCC, is \$106.00 per inch. Mitigation must take place at time of permitting (or the recording of the plat, if the violation is discovered prior to platting). The removal of such trees, if any, shall not result in a net loss in the required number of trees per Section 15-306 of the Orange County Code.
- Tree removal mitigation per lot is the responsibility of each lot owner and shall be consistent with this tree survey / removal / replacement plan.
- Any trees proposed to be preserved on this plan shall not have any fill or excavation at points closer than six feet from the base of the tree or at the radius of the drip-line of the protected tree or stand of trees, whichever is greater.
- Payment of any tree mitigation fees shall take place prior to the recording of the plat.
- A Tree Preservation/Mitigation Plan is included with this PSP submittal. Due to final site engineering evaluation, up to (but no more than) 10% of the amount of trees (in inches) shown to be preserved may be removed, provided such removals are reflected in an adjusted Tree Preservation/Mitigation Plan submitted and approved by the Zoning Arbor Office prior to removals. Such removals and mitigations shall be in accordance with regular mitigation requirements, and shall not be considered a violation. However, any proposal or removal of more than 10% shall require that the Tree Preservation/Mitigation Plan (and PSP) return to DRC for a Change Determination, where the proposal for excess removal may be considered a Substantial Change, and/or may consider the removals to be a violation of the Tree Preservation/Mitigation Plan (and PSP) thereby requiring penalty mitigation to be provided.

NOTE: Failure to notify Landscape Architect of plan, detail, or specification discrepancies prior to construction, makes contractor responsible for all costs incurred for construction charges, not the owner or his representative (Landscape Dynamics Construction Co. Inc.) The Owner must maintain the height of all plants within the "Line-Of-Site" triangle area to a height of no greater than 24" above grade for shrubs and groundcover, and tree branching no lower than 72" above finish grade, to ensure clear site line views toward traffic at road and driveway intersections. Landscape Dynamics Construction Co. Inc. is not responsible for continued maintenance of such plant material. The owner, leasing company and/or the landscape maintenance company accepts full responsibility for these maintenance requirements. LANDSCAPE CONTRACTOR TO HAND WATER ALL PLANT / TREE MATERIAL FOR AT LEAST 30 DAYS AFTER INSTALLATION.

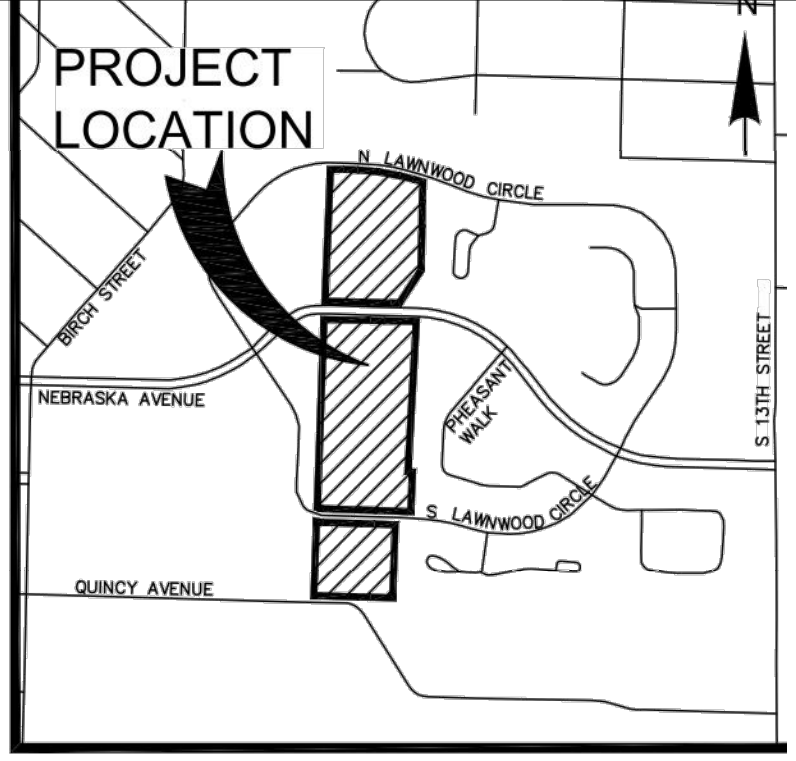
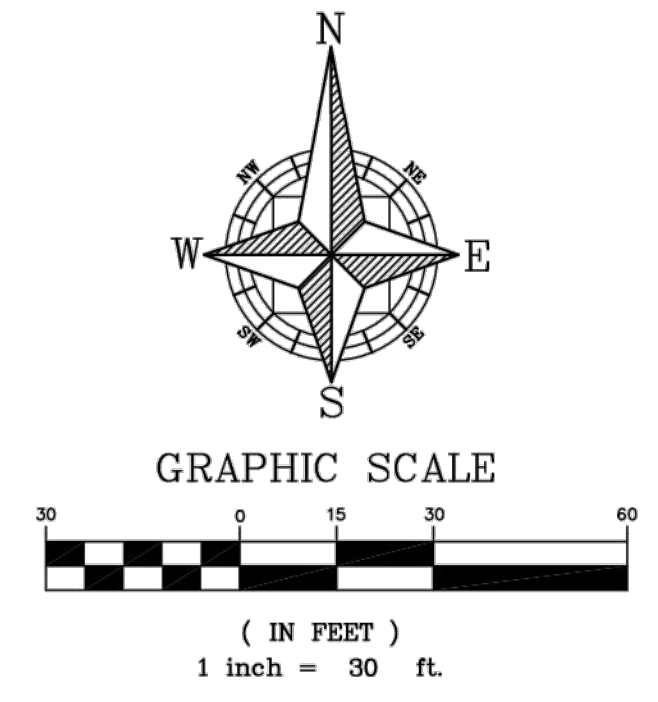
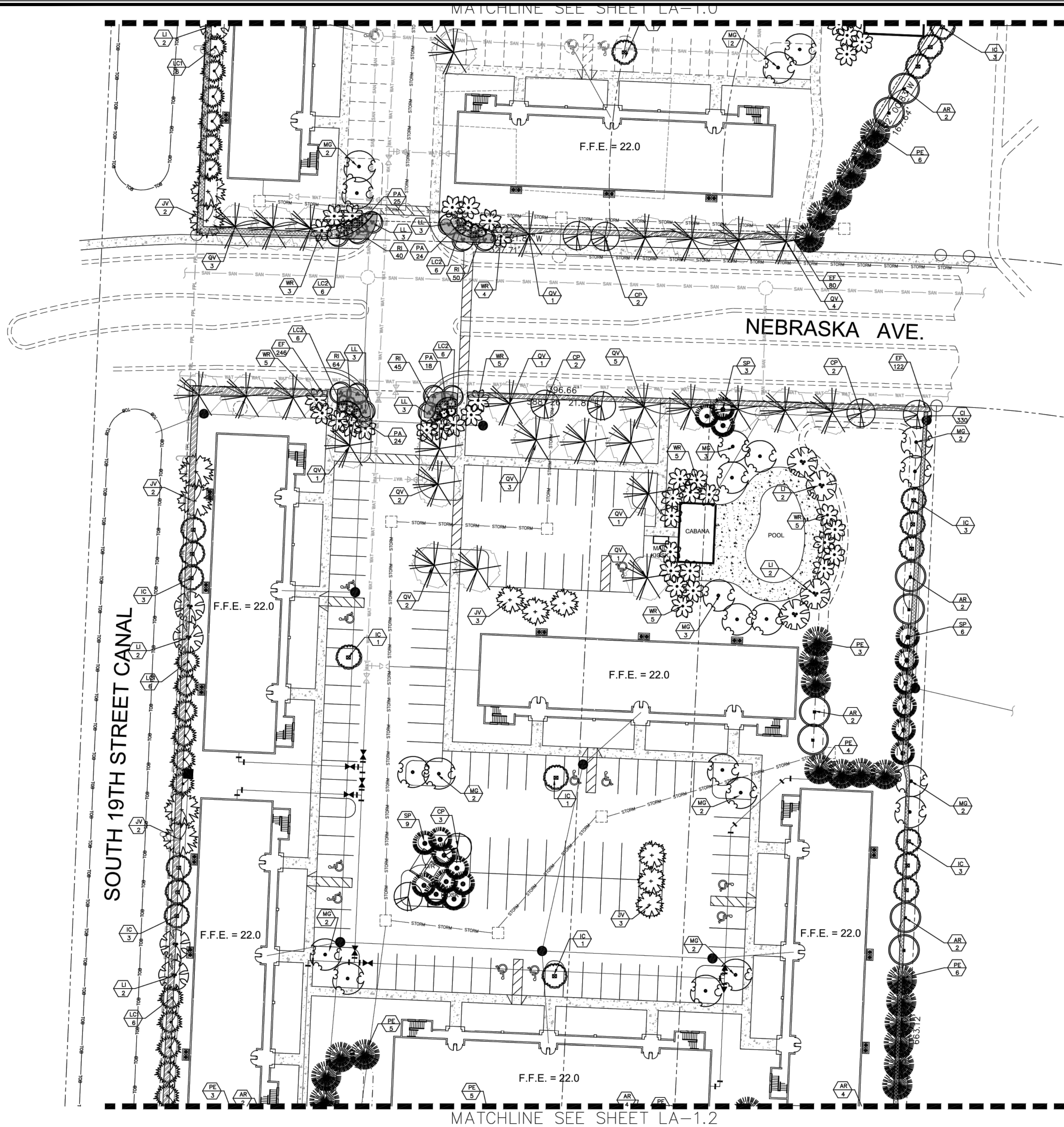
**48 HOURS BEFORE YOU DIG
CALL SUNSHINE
1-800-432-4770 or 811**

IT'S THE LAW IN FLORIDA
FLORIDA LAW REQUIRES
EXCAVATORS TO NOTIFY
OWNERS OF UNDERGROUND
FACILITIES NO LESS THAN TWO
(2) DAYS PRIOR TO EXCAVATION



SCALE	N/A	DRAWN:	DM	DESIGNED:	---	CHECKED:	---	DATE:	6/3/2018
PROJECT	2017-004	SHEET	L0-1.00	Wohlfarth Consulting GROUP LLC ENGINEERS & PLANNERS 2846 N. WESTMONIE DRIVE ALDAMORE, FL 32714 (407) 750-3123 ORLANDO					
MAYFAIR FORT PIERCE, FLORIDA			LANDSCAPE NOTES						
BUSINESS NO. 32108									
NOT FOR CONSTRUCTION									

C:\Users\Dennis Murray\Dropbox\Rick Wohlfarth\Mayfair\DWG\Construction\Plans\2017.004-L1-1.00 - Landscape Plan.dwg Modified: 6/3/2018 By: dennis murray Plotted By: dennis murray



Mayfair PLANT MATERIALS LIST Hardiness Zone 9b

Native plants and ecological communities as determined by the FDOACS, UFIFAS, FDEP-Florida Land Use Cover Classification System. Xeriscape principles as determined by the South Florida Water Management District "Waterwise Xeriscape Plant Guide". Compliance for planting adjacent to overhead electrical wires as determined by Florida Power & Light Administrative Services.

Key	Scientific Name	Common Name	Native	Xert	Height x Spread / Description	Spacing	Qty	SUBT	
LARGE TREES greater than 30 ft. at maturity									
QV	<i>Quercus virginiana</i>	Live Oak	Yes	High	12' high x 5' spread, 2-1/2" DBH, 4-1/2' CT., field grown	per plan	59	297	
AR	<i>Acer rubrum</i>	Red Maple	Yes	Mod.	12' high x 5' spread, 2-1/2" DBH, 4-1/2' CT., field grown	per plan	50		
PE	<i>Pinus elliotii</i>	Slash Pine	Yes	High	12' high x 5' spread, 2-1/2" DBH, 4-1/2' CT., field grown	per plan	79		
JV	<i>Juniperus virginiana</i>	Southern Red Cedar	Yes	High	10' high x 4' spread, full, 45 gal. or field grown	per plan	39		
MG	<i>Magnolia grandiflora</i>	Southern Magnolia	Yes	Mod.	12' high x 5' spread, 2-1/2" DBH, 4-1/2' CT., field grown	per plan	70		
SMALL TREES less than 25 ft. at maturity									
LI	<i>Lagerstroemia indica</i> "Muskegee"	Crepe Myrtle "Pink"	No	High	10' high x 4' spread, multi-trunk, 45 gal.	per plan	20	148	
IC	<i>Ilex cassine</i>	Dahoon Holly	Yes	High	10' high x 4' spread, full, 30 gal./45 gal., Air Root, Pruned Container	per plan	85		
PC	<i>Pinus caroliniana</i>	Cherry Laurel	Yes	High	10' high x 4' spread, 4" CT., 45 gal. or field grown	per plan	0		
CP	<i>Caesalpinia pulcherrima</i>	Dwarf (Yellow) poinciana	No	High	10' high x 4' spread, 4" CT., 45 gal. or field grown	per plan	19		
LL	<i>Ligustrum lucidum</i>	Japanese privet	No	High	10' high x 4' spread, multi-trunk, 45 gal.	per plan	24		
PALMS									
WR	<i>Washingtonia robusta</i>	Washingtonia Palm	No	High	1/3 @ 16' high, 1/3 @ 20' high, 1/3 @ 24' high, staggered heights in all groupings, field grown	per plan	67	217	
SP	<i>Sabal palm</i>	Cabbage Palm	Yes	High	14' high to 20' high, staggered heights in all groupings, balled, field grown	per plan	60		
LC1	<i>Livistona chinensis</i>	Chinese Fan Palm	No	High	10' CT., 16" OA full heads, container or field grown	per plan	42		
LC2	<i>Livistona chinensis</i>	Chinese Fan Palm	No	High	6" OA, full to base, 7 gal.	per plan	48		
SHRUBS									
CI	<i>Chrysobalanus icaco</i>	Cocoplum "Red Tip"	Yes	High	24" OA, full to base, 3 gal.	24" OC	772	2,033	
EF	<i>Eugenia foetida</i>	Spanish Stopper	Yes	High	24" OA, full to base, 3 gal.	24" OC	613		
PA	<i>Plumbago auriculata</i>	Plumbago "Imperial Blue"	No	High	18" OA, full, 3 gal.	24" OC	209		
RI	<i>Raphiolepis indica</i>	Indian Hawthorn	No	High	12" OA, full, 3 gal.	18" OC	439		
							Total		2,895
							Total Native Plants		1,827
							Native % of Total	67.8%	
							Total Drought-Tolerant Plants	2,575	
							Drought Tol. % of Total	95.5%	

NOTE: ALL AREAS INDICATED FOR SOD SHALL BE INSTALLED WITH ST. AUGUSTINE "FLORITAM" SOD UNLESS ALTERNATE NOTED.

NOTE: ALL PLANTS SHALL BE INSTALLED AT SIZE INDICATED UNDER THE SPECIFICATIONS. CONTAINER SIZE LISTED IS FOR REFERENCE OR ESTIMATING ONLY.

NOTE: SEE SHEET LA-1.0 FOR PLANT MATERIALS LIST.
NOTE: ALL PROPOSED UNDERGROUND UTILITIES SHALL BE MODIFIED TO AVOID CONFLICTS WITH REQUIRED TREES IN LANDSCAPE ISLANDS / VUA AREAS. SEE ENGINEERING PLANS.

WOHLFARTH CONSULTING GROUP LLC
ENGINEERS & PLANNERS
246 N. WESTMONTE DRIVE
ALAMOGADO, CA 92014
(607) 750-3123
ORLANDO

MAYFAIR FORT PIERCE, FLORIDA

LANDSCAPE PLANS

SCALE: 1" = 30'

PROJECT: 2017-004

SHEET: L1-1.00

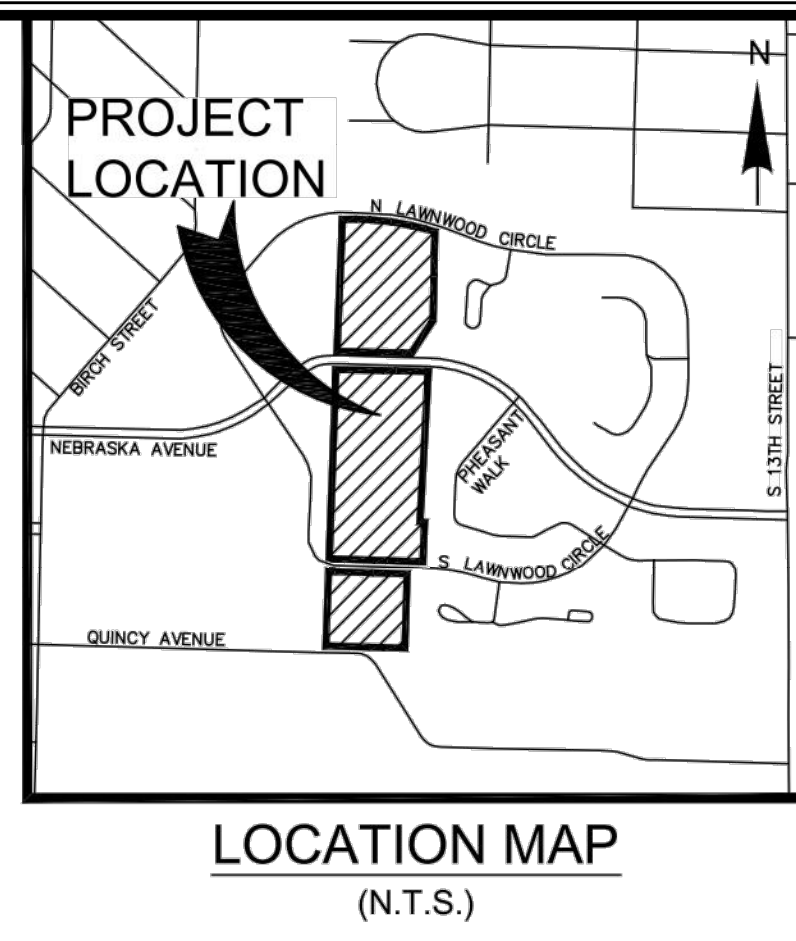
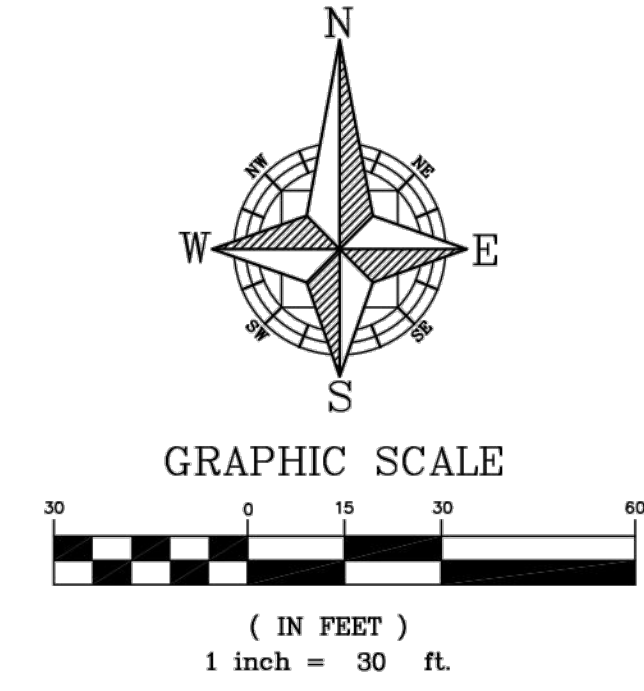
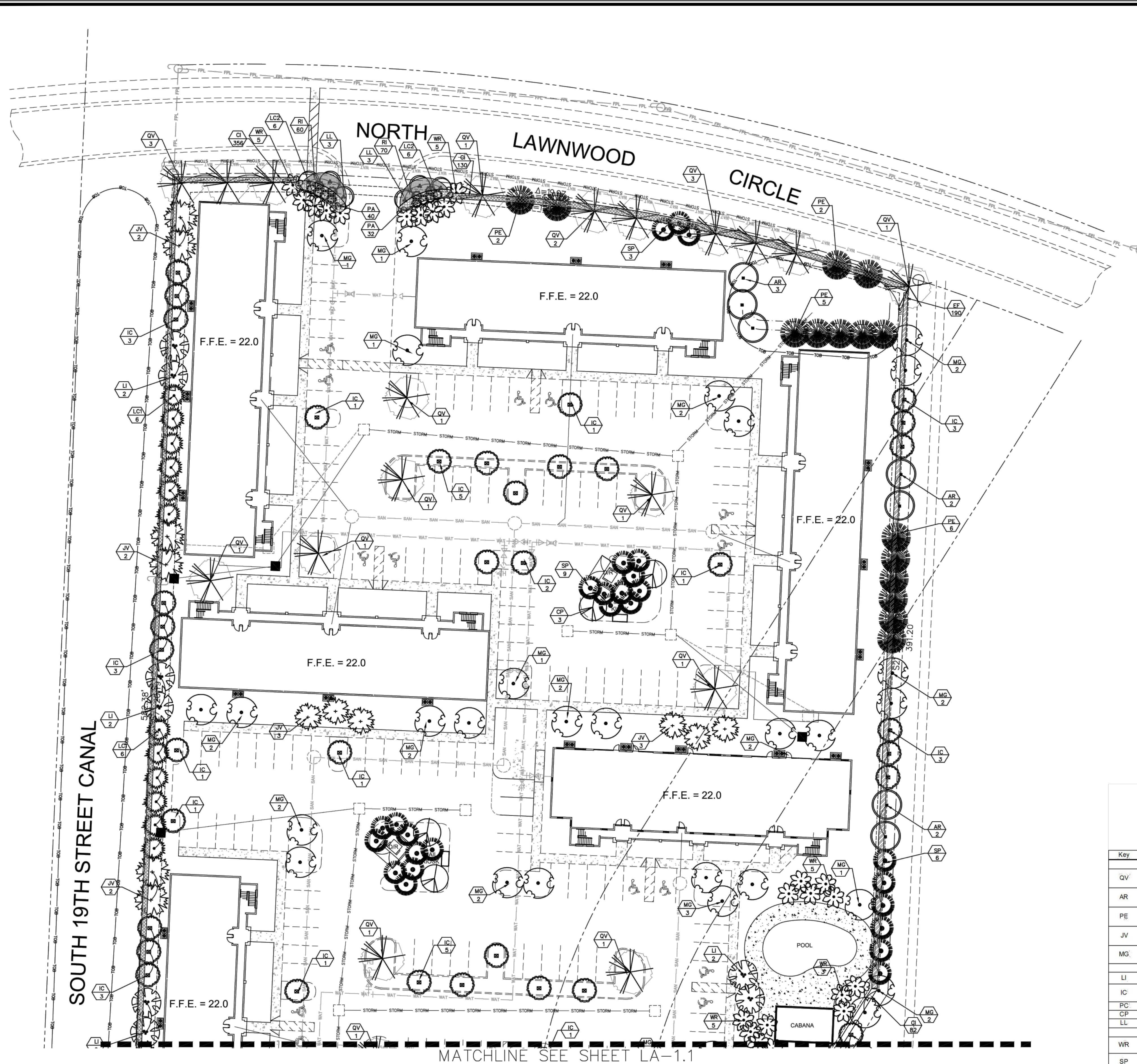
DATE: 9/27/2018

DRAWN: DM	DESIGNED: DM	CHECKED: RW	DATE: 9/27/2018
REV. A	DATE	DESCRIPTION	BY

BUSINESS NO. 32108

12/3/18

C:\Users\Dennis Murray\Dropbox\Rick Wohlfarth\Mayfair\DWG\Construction\Plans\2017-004-L1-1.00 - Landscape Plan.dwg Modified: 6/3/2018 By: dennis murray Plotted: By: dennis murray



MATCHLINE SEE SHEET LA-1.1

NOTE: ALL PROPOSED UNDERGROUND UTILITIES SHALL BE MODIFIED TO AVOID CONFLICTS WITH REQUIRED TREES IN LANDSCAPE ISLANDS / VUA AREAS. SEE ENGINEERING PLANS.
 NOTE: PURSUANT TO TO FPL "RIGHT-TREE, RIGHT PLACE" GUIDELINES ALL PERIMETER BUFFER TREES IN CONFLICT WITH OVERHEAD POWER LINES HAVE BEEN ADJUSTED FOR COMPLIANCE.
 NOTE: SOD TO BE INSTALLED IN ALL PERVIOUS AREAS NOT CONTAINING SHRUBS, GROUNDCOVER OR ALTERNATE LANDSCAPE FEATURES (MULCH, ROCK).

Mayfair PLANT MATERIALS LIST										Hardiness Zone 9b	
Native plants and ecological communities as determined by the FDOACS, UFRPAS, FDEP-Florida Land Use Cover Classification System. Xeriscape principles as determined by the South Florida Water Management District "Waterwise" Xeriscape Plant Guide. Compliance for planting adjacent to overhead electrical wires as determined by Florida Power & Light Administrative Services.											
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LARGE TREES											
QV	Quercus virginiana	Live Oak	Yes	High	12' high x 5' spread, 2-1/2" DBH, 4-1/2' CT., field grown	per plan	59				
AR	Acer rubrum	Red Maple	Yes	Mod.	12' high x 5' spread, 2-1/2" DBH, 4-1/2' CT., field grown	per plan	50				
PE	Pinus elliotii	Slash Pine	Yes	High	12' high x 5' spread, 2-1/2" DBH, 4-1/2' CT., field grown	per plan	79				
JV	Juniperus virginiana	Southern Red Cedar	Yes	High	10' high x 4' spread, full, 45 gal. or field grown	per plan	39				
MG	Magnolia grandiflora	Southern Magnolia	Yes	Mod.	12' high x 5' spread, 2-1/2" DBH, 4-1/2' CT., field grown	per plan	70	297			
SMALL TREES											
LI	Lagerstroemia indica "Muskogee"	Crape Myrtle "Pink"	No	High	10' high x 4' spread, multi-trunk, 45 gal.	per plan	20				
IC	Ilex cassine	Dahoon Holly	Yes	High	10' high x 4' spread, full, 30 gal./45 gal., Air Root Pruned Container	per plan	85				
PC	Prunus caroliniana	Cherry Laurel	Yes	High	10' high x 4' spread, 4' CT., 45 gal. or field grown	per plan	0				
CP	Caesalpinia pulcherrima	Dwarf (Yellow) Ipocianca	No	High	10' high x 4' spread, 4' CT., 45 gal. or field grown	per plan	19				
LL	Ligustrum lucidum	Japanese privet	No	High	10' high x 4' spread, multi-trunk, 45 gal.	per plan	24	148			
PALMS											
WR	Washingtonia robusta	Washingtonia Palm	No	High	1/3 @ 16' high, 1/3 @ 20' high, 1/3 @ 24' high, staggered heights in all groupings, field grown	per plan	67				
SP	Sabal palm etto	Cabbage Palm	Yes	High	14' high to 20' high, staggered heights in all groupings, booted, field grown	per plan	60				
LC1	Livistona chinensis	Chinese Fan Palm	No	High	10' CT., 16" OA full heads, container or field grown	per plan	42				
LC2	Livistona chinensis	Chinese Fan Palm	No	High	6" OA, full to base, 7 gal.	per plan	48	217			
SHRUBS											
CI	Chrysobalanus icaco	Cocoplum "Red Tip"	Yes	High	24" OA, full to base, 3 gal.	24" OC	772				
EF	Eugenia foetida	Spanish Stopper	Yes	High	24" OA, full to base, 3 gal.	24" OC	613				
PA	Plumbago auriculata	Plumbago "Imperial Blue"	No	High	18" OA, full, 3 gal.	24" OC	209				
RI	Raphiolepis indica	Indian Hawthorn	No	High	12" OA, full, 3 gal.	18" OC	439	2,033			
								Total		2,695	

NOTE: ALL AREAS INDICATED FOR SOD SHALL BE INSTALLED WITH ST. AUGUSTINE "FLORITAM" SOD UNLESS ALTERNATE NOTED.

NOTE: ALL PLANTS SHALL BE INSTALLED AT SIZE INDICATED UNDER THE SPECIFICATIONS. CONTAINER SIZE LISTED IS FOR REFERENCE OR ESTIMATING ONLY.

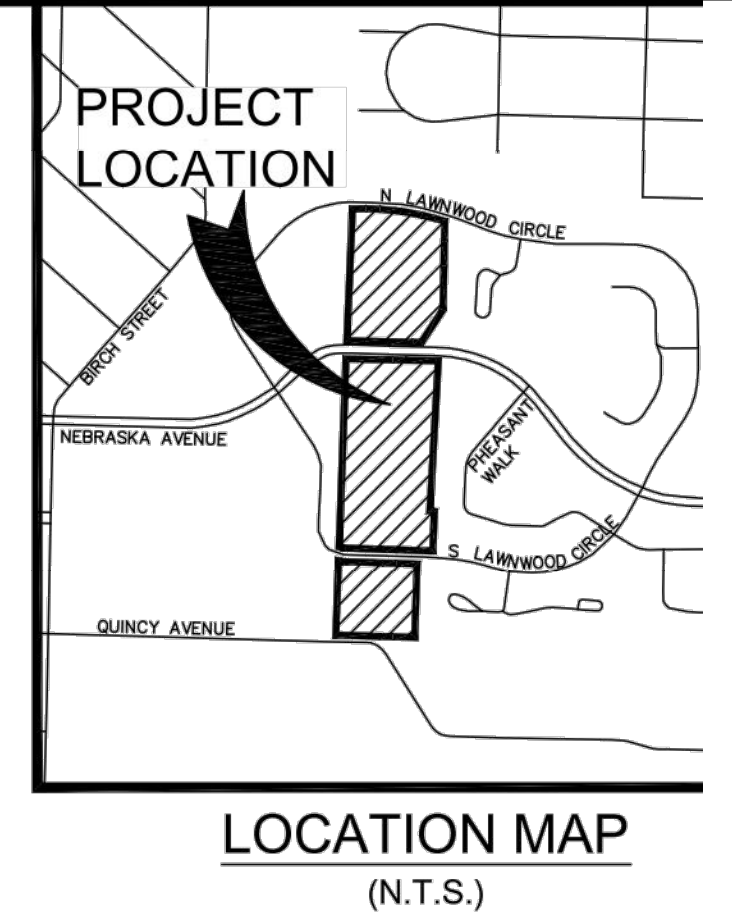
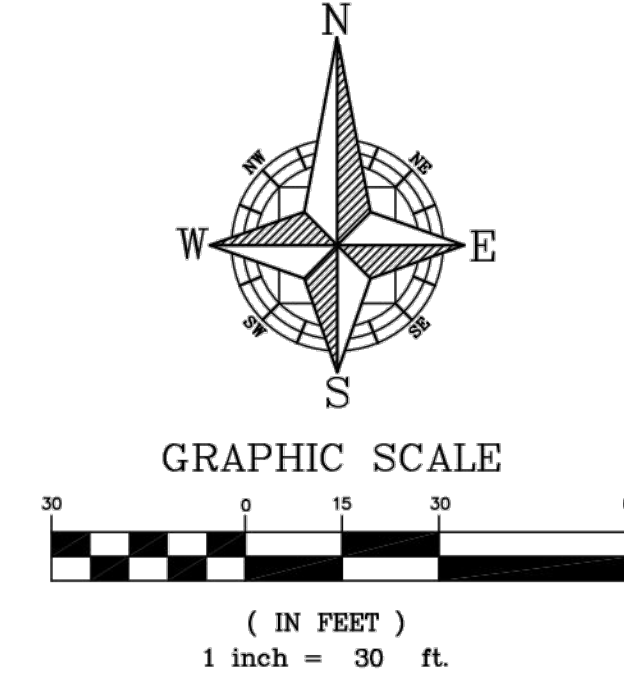
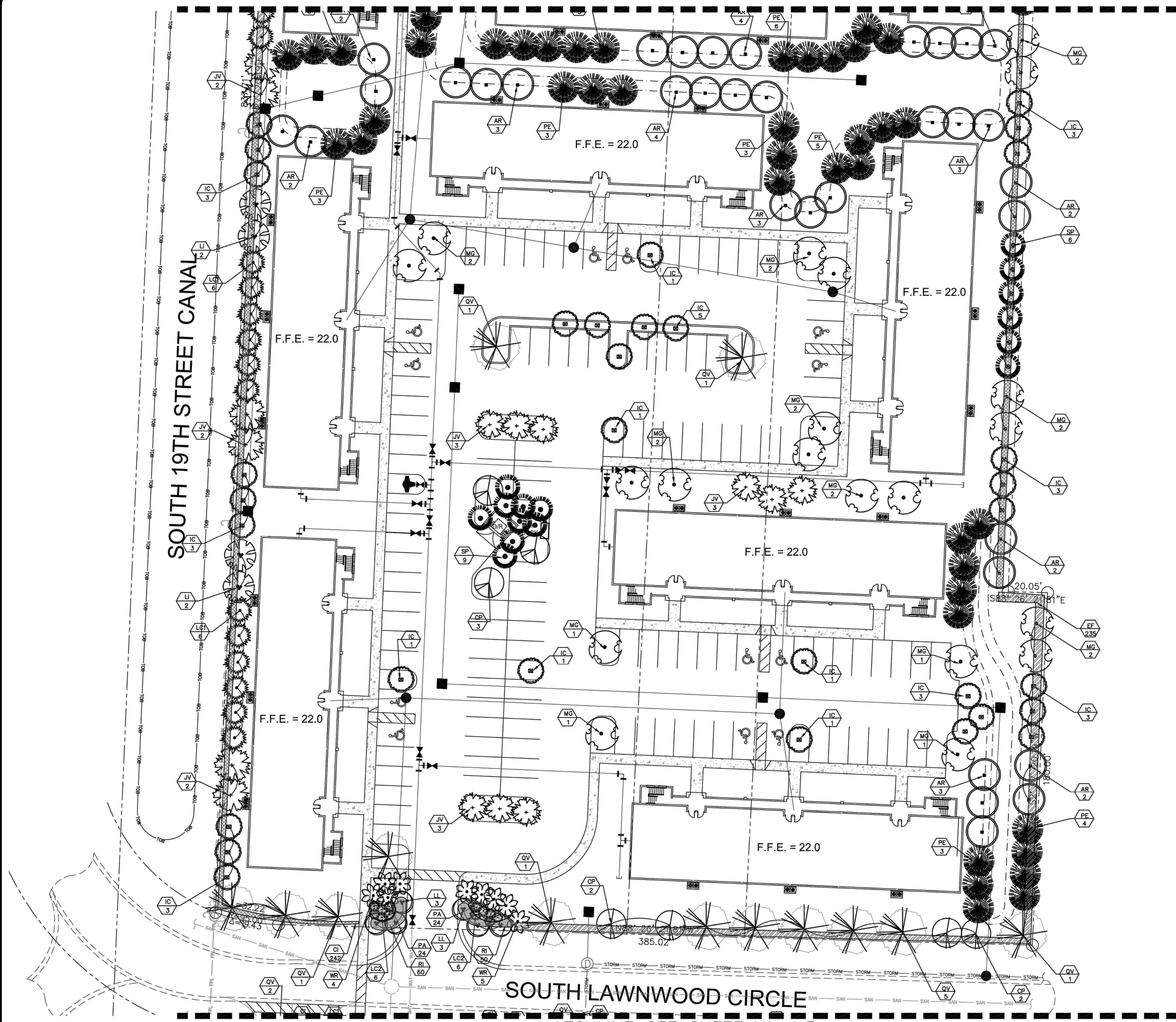
Total Native Plants 1,827
 Native % of Total 67.8%
 Total Drought Tolerant Plants 2,576
 Drought Tol. % of Total 95.5%

WOHLFARTH CONSULTING GROUP LLC ENGINEERS & PLANNERS 246 N. WESTMORE DRIVE ALHAMBRA, CA 91803 (907) 750-3123 ORLANDO		PROJECT: MAYFAIR FORT PIERCE, FLORIDA SHEET: L1-1.0 DATE: 9/27/2018
DRAWN: DM DESIGNED: DM PROJECT: 2017-004 CHECKED: RW SCALE: 1" = 30' SHEET: L1-1.0	DESCRIPTION: LANDSCAPE PLANS	REV. DATE DESCRIPTION

C:\Users\Dennis Murrey\Dropbox\Rick Wohlforth\Mayfair\DWG\Construction\Plans\2017.004-L1-1.00 - Landscape Plan.dwg Modified: 6/3/2018 By: dennis murray Plotted By: dennis murray

MATCHLINE SEE SHEET LA-1.1

MATCHLINE SEE SHEET LA-1.3

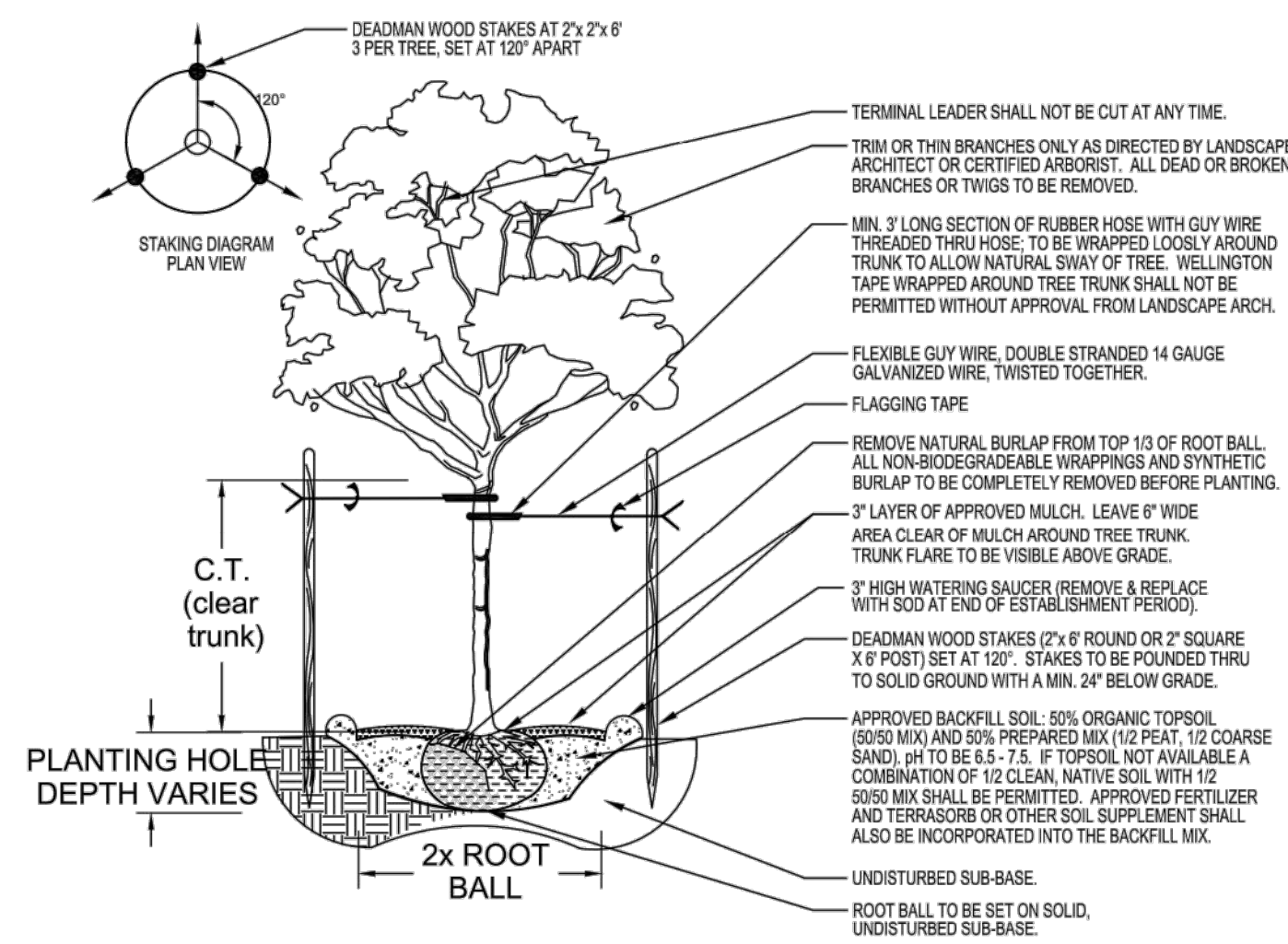


WOHLFARTH CONSULTING GROUP LLC <small>ENGINEERS & PLANNERS</small> <small>246 N. WESTMORE DRIVE</small> <small>ALPHARETTA, GA 30214</small> <small>(407) 750-3123</small> <small>ORLANDO</small>	MAYFAIR FORT PIERCE, FLORIDA LANDSCAPE PLANS	<small>SCALE</small> 1" = 30' <small>PROJECT</small> 2017-004 <small>SHEET</small> L1-1.01	<small>DRAWN:</small> DM <small>DESIGNED:</small> — <small>CHECKED:</small> RW <small>DATE:</small> 6/3/2018
	<small>REV.</small> <small>DATE</small> <small>DESCRIPTION</small>	<small>BY</small>	

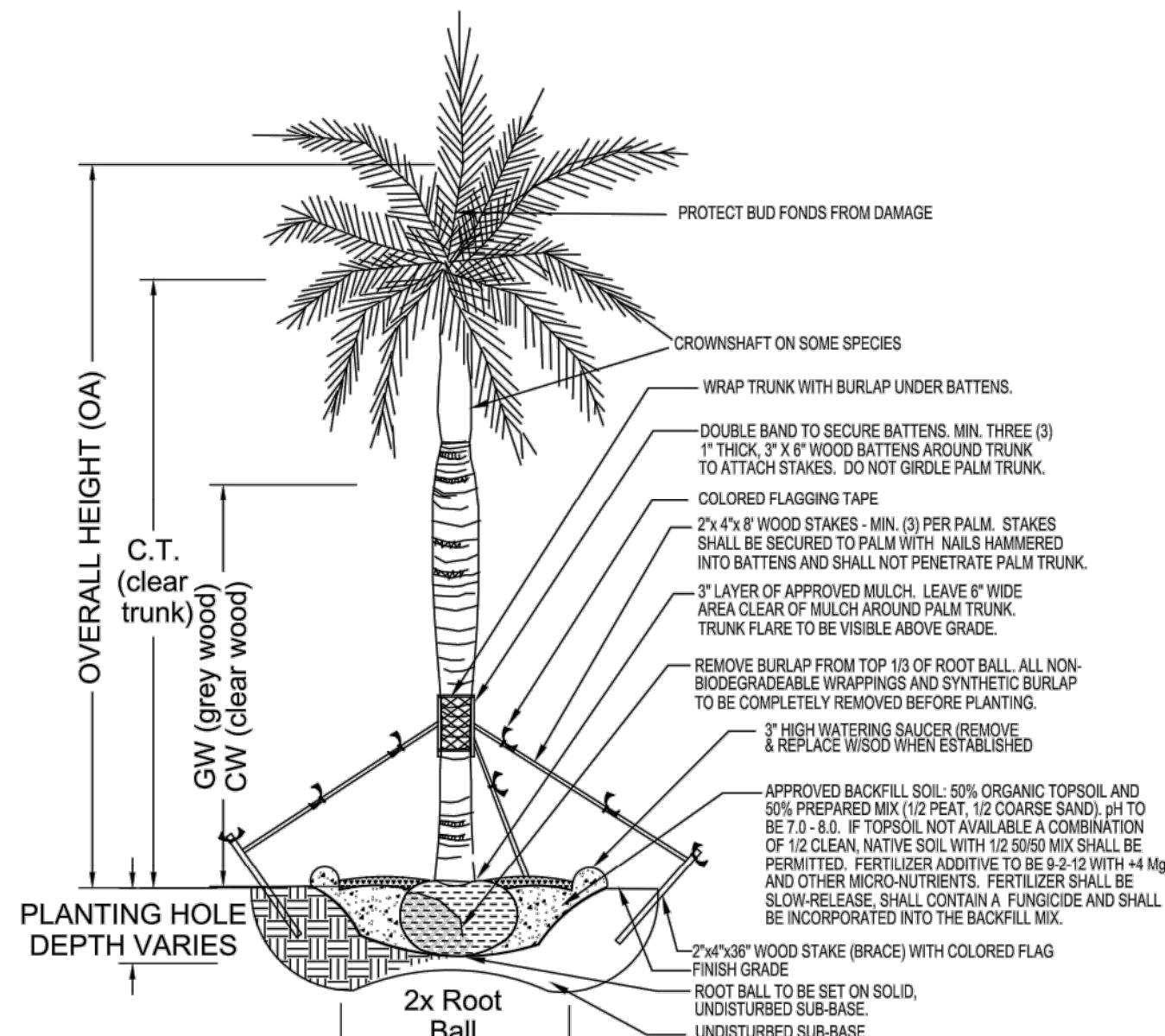
NOTE: SEE SHEET LA-1.0 FOR PLANT MATERIALS LIST.
NOTE: ALL PROPOSED UNDERGROUND UTILITIES SHALL BE MODIFIED TO AVOID CONFLICTS WITH REQUIRED TREES IN LANDSCAPE ISLANDS / VUA AREAS. SEE ENGINEERING PLANS.

NOT FOR CONSTRUCTION
6/3/18

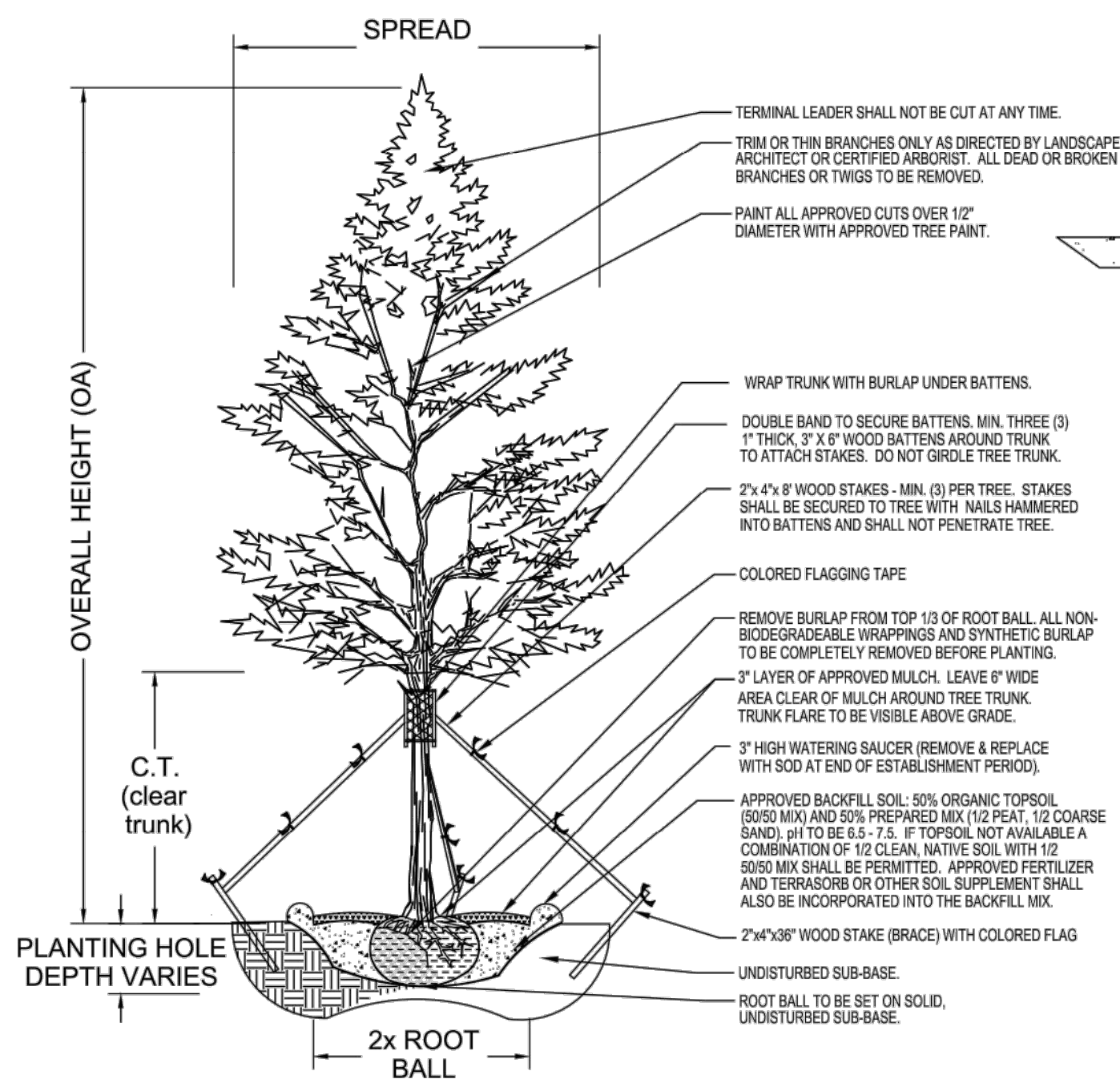
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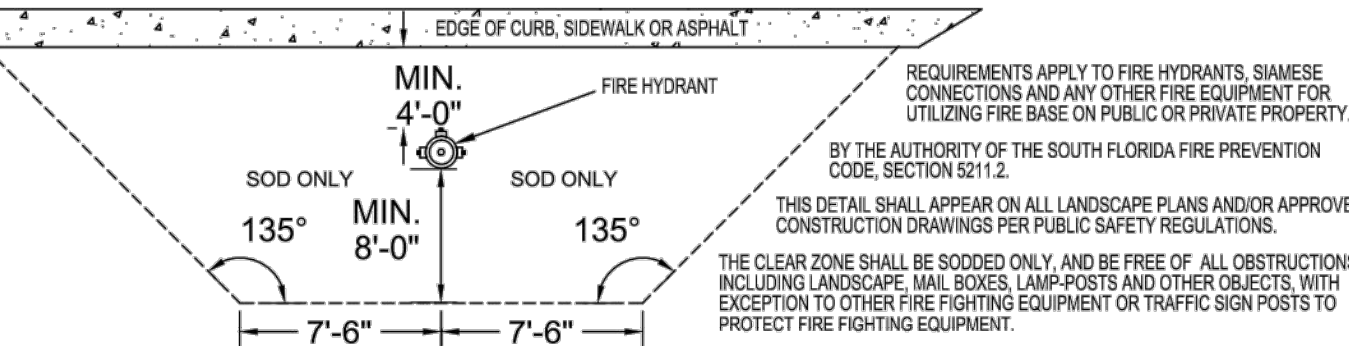
TREE PLANTING DETAIL-3" CAL. OR LESS.
not to scale



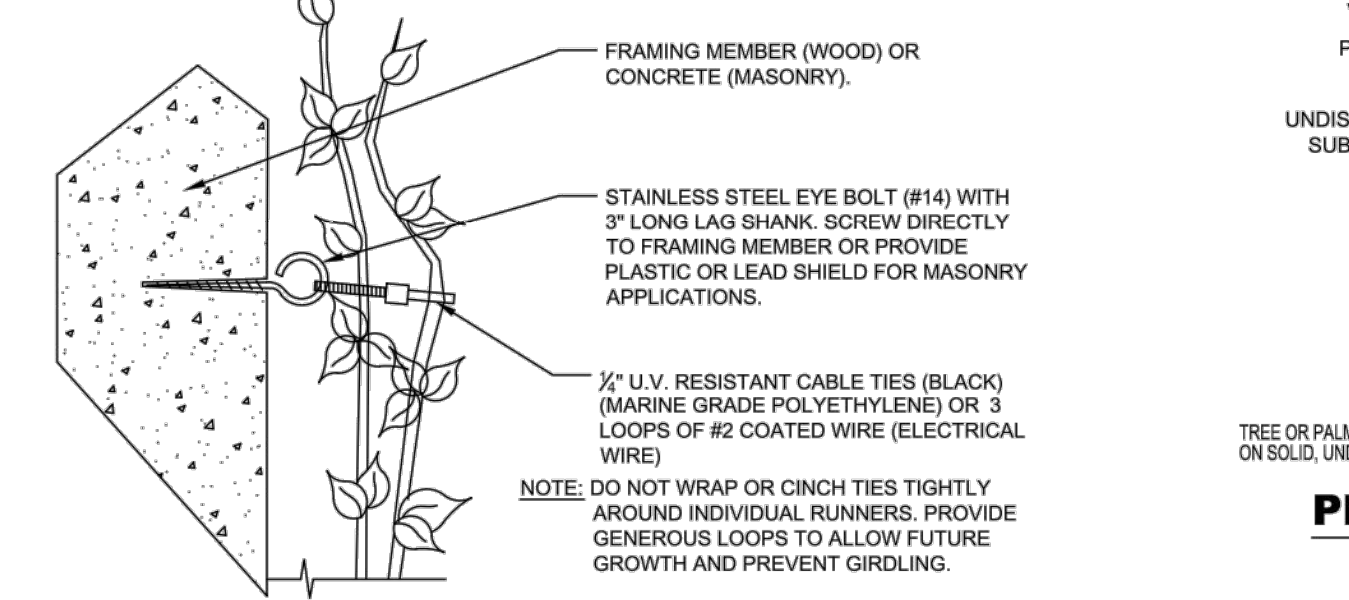
PALM PLANTING DETAIL-TYP.
not to scale



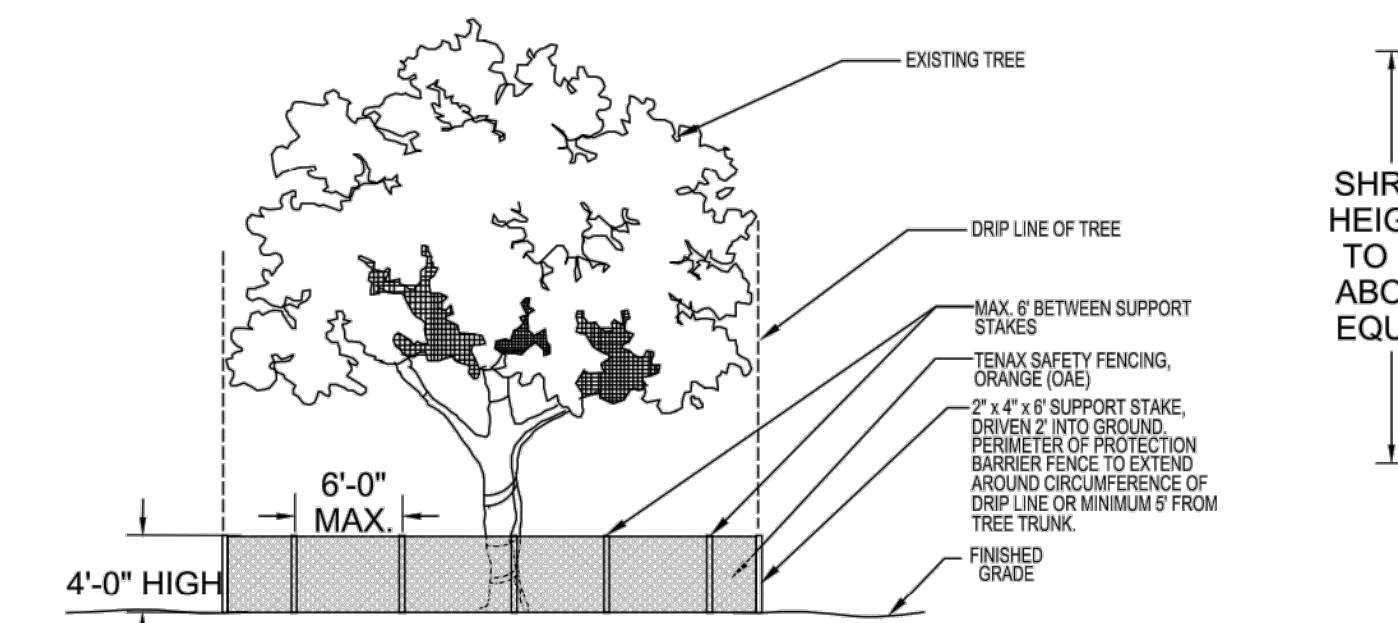
LARGE TREE PLANTING DETAIL- GREATER THAN 3" CAL.
not to scale



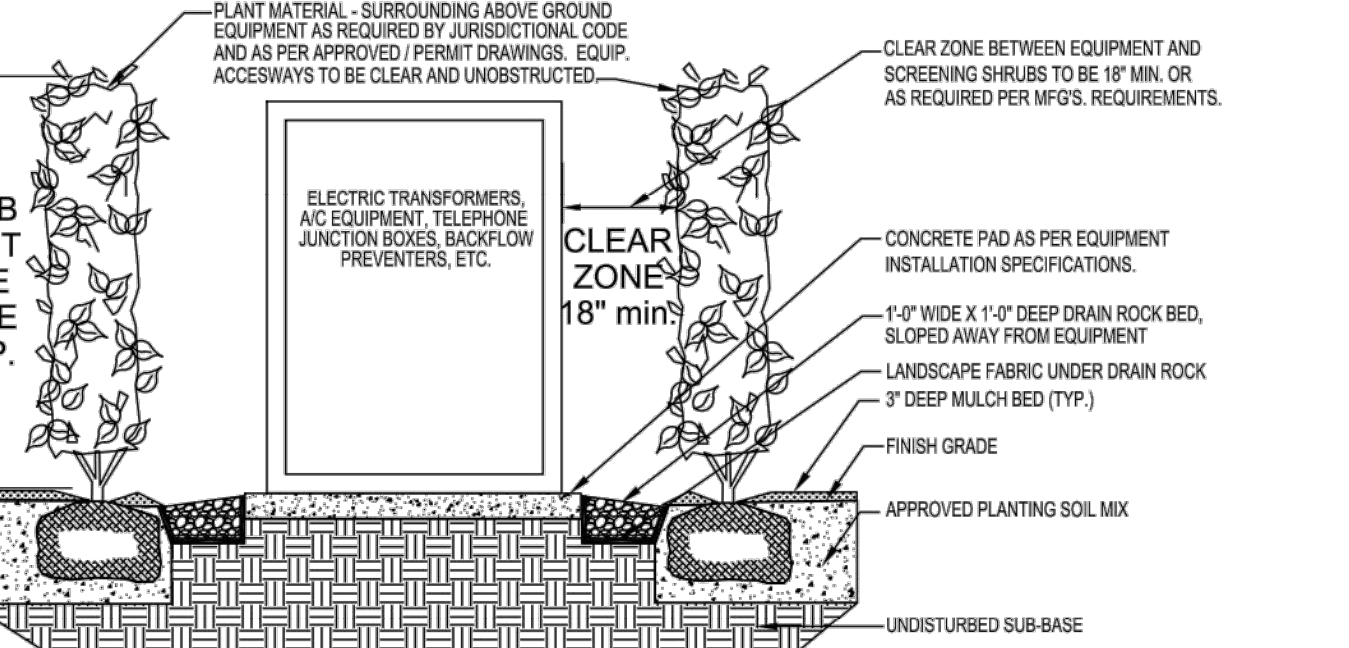
FIRE HYDRANT CLEAR ZONE DETAIL
not to scale



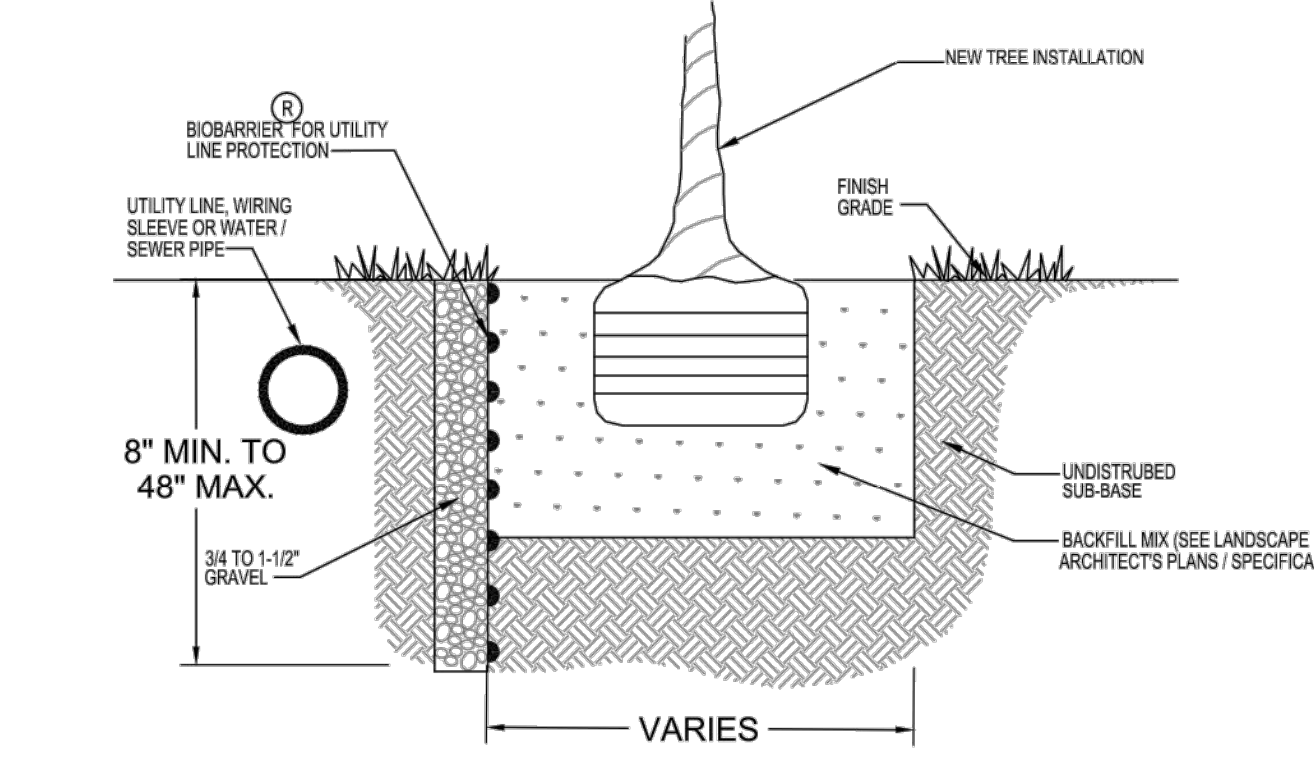
VINE TO WALL ATTACHMENT DETAIL
not to scale



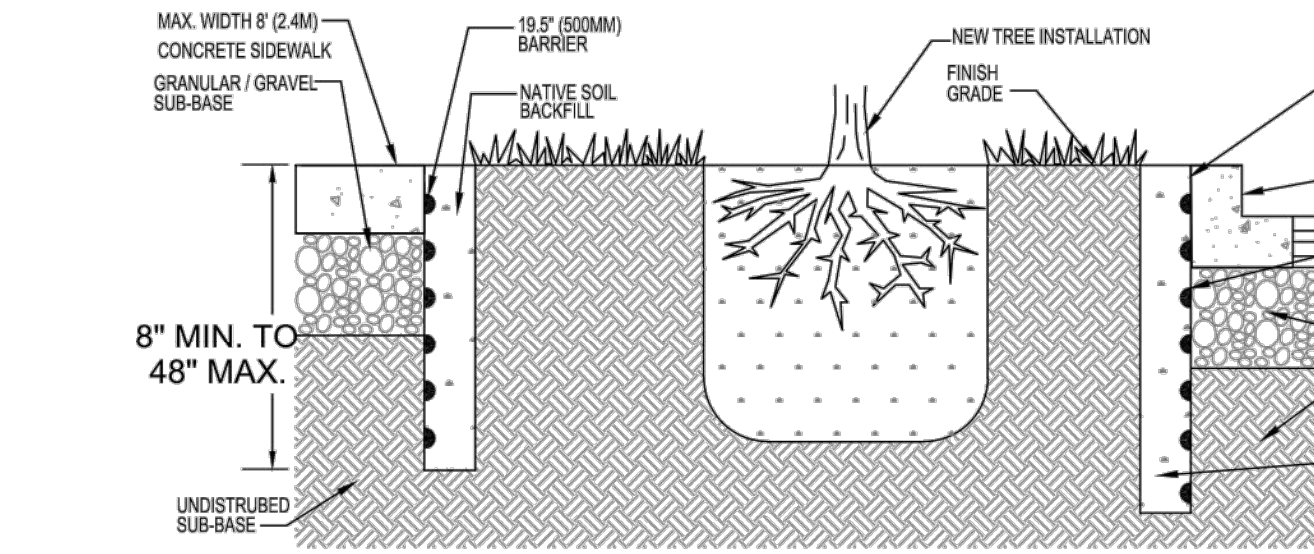
TREE PROTECTION BARRIER DETAIL
not to scale



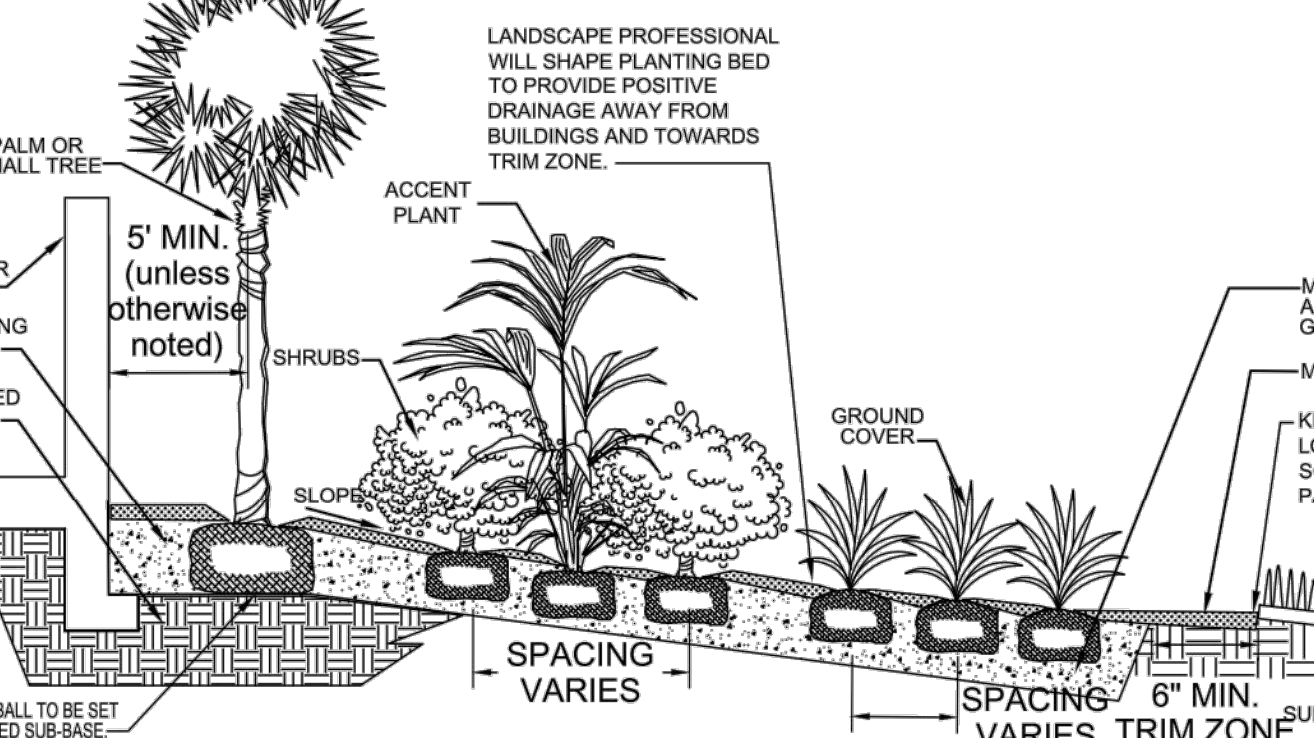
GROUND MOUNTED EQUIPMENT SCREENING DETAIL
not to scale



ROOT BARRIER DETAIL - UNDERGROUND UTILITY LINES
not to scale



ROOT BARRIER DETAIL - PAVING / CURBING
not to scale



PLANTING BED - SHRUB INSTALLATION DETAIL - CROSS-SECTION
not to scale

GENERAL NOTES, LANDSCAPE INSTALLATION SPECIFICATIONS

- REFER TO SITE PLAN FOR SITE DATA AND UTILITIES. REFER TO ARCHITECTURAL PLANS FOR BUILDING FOOTPRINTS, ARCHITECTURAL INFORMATION AND DESIGNATION OF ELEVATIONS. REFER TO IRRIGATION PLANS FOR REQUIRED MATERIALS, SPECIFICATIONS, DETAILS AND COORDINATION ITEMS. REFER TO ENGINEERING PLANS FOR ALL GRADING, SITE WORK AND COORDINATION ITEMS. REFER TO NOTES AND SPECIFICATIONS FOR ADDITIONAL UNDERGROUND AND ABOVE-GROUND UTILITIES AND COORDINATION ITEMS.
- PLANT MATERIALS ARE SPECIFIED FOR COMPLIANCE WITH MINIMUM CODE REQUIREMENTS AND GOVERNING AGENCY REVIEW COMMENTS AS OF THE DATE OF SUBMITTAL. SUBCONTRACTORS ARE BOUND TO THE GENERAL CONTRACTOR AND ARE TO ASSUME ALL OBLIGATIONS AND RESPONSIBILITIES BY WHICH THE GENERAL CONTRACTOR IS BOUND TO THE OWNER. BOTH SHALL BE FAMILIAR WITH AND HAVE FULLY INVESTIGATED ALL LOCAL CODES AND ORDINANCES.
- LANDSCAPE PROPOSALS SHALL PROVIDE UNIT COSTS AND SHALL INCLUDE: EXCAVATIONS, PLANT MATERIAL LISTED, DELIVERY AND INSTALLATION (LABOR), TURF SOD, SEEDING, TOP SOIL & FINE GRADING, SOIL BACKFILL, SOIL SUPPLEMENTS, FOLIAR SPRAYS, FERTILIZERS, GUYING AND STAKING, REQUIRED PRUNING, CLEAN-UP, WATERING AND ALL TAXES AND FEES NECESSARY TO SUCCESSFULLY ESTABLISH THE PROPOSED LANDSCAPE AND ECOLOGICAL COMMUNITIES.
- THE CONTRACTOR/BIDDER SHALL CAREFULLY READ AND FULLY UNDERSTAND ALL DRAWINGS (TREE PRESERVATION, LANDSCAPE AND IRRIGATION, PLUS RELATED ENGINEERING AND ARCHITECTURAL), DETAILS, SPECIFICATIONS AND NOTES OF SUCH LANDSCAPE/PLANTING PLANS FOR THE IDENTIFIED PROJECT AND LOCATION, AND CONTRACTOR/BIDDER ACKNOWLEDGES SAME BY SIGNATURE, DATE & COMPANY NAME BELOW THAT THE BID SUBMITTED REFLECTS AN ACCURATE INSTALLATION OF THE LANDSCAPE IN COMPLIANCE WITH ALL CONDITIONS SET FORTH, INCLUDING COORDINATION WITH RELATED TRADES, PROPERTY SECURING WORK AND OFFICIAL AGENDA, SO WORK:
- THE TERM "CONTRACTOR" REFERS TO THE PRINCIPAL COMPANY, OR OWNER/DEVELOPER, INCLUDING LANDSCAPING, OBLIGATED WITH THE RESPONSIBILITY FOR COORDINATING AND PERFORMING THE SITE WORK AND SECURING THE WORK OF SUBCONTRACTORS, DISCHARGING TO COMPLY WITH LOCAL BUILDING CODES AND ZONING ORDINANCES, WHICH IS THE ENTITY OF RECORD FOR OBTAINING PERMITS, SCHEDULING INSPECTIONS AND SECURING COMPLETION CERTIFICATES.
 - THE CONTRACTOR SHALL CUT, CLEAR, STUMP GRIND, DICATE AND REMOVE ALL EXISTING, INVASIVE AND DESIGNATED TREES FROM THE SITE AND AREAS THAT HAVE EVIDENCE OF PREVIOUSLY EXISTING TREES AND/OR PALMS, INCLUDING REMOVING DEBRIS, LITTER AND STONES OVER 1" DIAMETER.
 - THE CONTRACTOR SHALL REFER TO ALL TREE PRESERVATION PLANS, DETAILS AND SPECIFICATIONS IN CONJUNCTION WITH THE SITE/PROJECT TO LOCATE AND TAG ANY AND ALL EXISTING TREES AND/OR PALMS PROPOSED FOR PRESERVATION OR RELOCATION. THE CONTRACTOR SHALL ADHERE TO ALL DIRECTIVES AND AS SHOWN ON THE TREE PRESERVATION PLANS REGARDING ALL TREE OR PALM RELOCATIONS AND TREE REMOVAL.

GENERAL NOTES, LANDSCAPE INSTALLATION SPECIFICATIONS (cont.)

- THE CONTRACTOR SHALL DICATE AND ALL UNDERGROUND UTILITIES FROM INTERIOR PARKING LANDSCAPE STRIPS AND ISLANDS TO A MIN. 2 1/2" DEPTH AND DICATE AND ALL NON-ORGANIC SOLIDS WITHIN MIN. 10 FT. WIDTH OF THE EXISTING BUILDING PERIMETER TO A MIN. 12 INCHES DEPTH. THE CONTRACTOR WILL BACKFILL THE STRIPS, ISLANDS AND BUILDING PERIMETERS WITH THE APPROVED 50/50 TOPSOIL MIX TO FINISHED GRADE. THE LANDSCAPE OR PROFESSIONAL SHALL NOT PROCEED WITH WORK IN THESE DESIGNATED AREAS UNTIL SITE PREPARATION IS COMPLETE AND INSPECTED BY THE LANDSCAPE ARCHITECT AND/OR PERMITTING AGENCY.
- THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO UNDERGROUND UTILITIES WHICH ARE PROPERLY MARKED OR FOR WHICH HE HAS NOT OBTAINED PROPER MARKINGS THROUGH THE ONE CALL SYSTEM - 24 HOURS BEFORE BEGINNING - CALL TOLL FREE 1 (800) 485-5729 OR FROM LOCAL UTILITY DEPARTMENTS. ALL ELECTRICAL, GAS, TELEPHONE, FIBER OPTICS, CABLE, WATER AND SEWER SERVICES LOCATED ON-SITE, ON ADJACENT PROPERTIES WITHIN 10' AND WITHIN ADJACENT R.O.'S SHALL BE CLEARLY MARKED.
- THE CONTRACTOR SHALL PROVIDE ALL PROPOSED PLANTS AT FLA A GRADE OR BETTER AS DESCRIBED IN GRADES AND STANDARDS FOR NURSERY PLANTS, LATEST EDITION AS PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, AND WILL PROVIDE CERTIFICATION FOR ANY AND ALL PLANTS IN DISPUTE. ALL PLANT MATERIAL PROVIDED SHALL MEET OR EXCEED THE MINIMUM SPECIFIED SIZE (HEIGHT, SPREAD, CALIPER, CLEAR TRUNK, ETC.) AS SHOWN ON THE LANDSCAPE PLANS. THE CONTRACTOR SHALL INSTALL PLANTS ACCORDING TO LANDSCAPE PLANS FOR SPACING AND PLACEMENT, AND PER THE LANDSCAPE DETAIL WITHOUT EXCEPTION. SHOULD ANY PLANT BE UNAVAILABLE THE CONTRACTOR WILL CONTACT THE LANDSCAPE ARCHITECT FOR RECOMMENDATIONS AND/OR APPROVAL OF ANY AND ALL SPECIES SUBSTITUTIONS.
- THE CONTRACTOR SHALL PROVIDE PROPER TRANSPORT AND DELIVERY OF PLANT MATERIAL TO THE JOB SITE. PLANT MATERIAL SHALL NOT BE DROPPED, SCARRED OR OTHERWISE DAMAGED AT ANY TIME. DAMAGED PLANT MATERIALS SHALL BE REJECTED BY THE OWNER OR OWNER'S REPRESENTATIVE, REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. ANY PLANTS OTHER THAN FL. #1 GRADE OR WITH INDICATIONS OF DISEASE, INSECT INFESTATION, BROKEN BRANCHES, LACK OF WATER, GIRDLING OR SCARRING AT DELIVERY SHALL BE REJECTED.
- THE CONTRACTOR SHALL PROVIDE CERTIFIED ST. AUGUSTINE FLORITOP SOD, UNLESS OTHERWISE INDICATED, TO ALL OPEN AREAS INSIDE THE PROPERTY NOT RECEIVING PLANT MATERIAL OR OTHER FORM OF GROUNDCOVER, LIVING OR NON-LIVING. THE CONTRACTOR WILL PROVIDE SOD TO ALL DAMAGED TURF AREAS, TO EDGE OF PAVEMENT AND TO THE EDGE OF WATER BODIES. ALL SOD SEAMS WILL BE BUTT JOINTS WITH ADJACENT ROWS STAGGERED AND ALL EDGE JOINTS ARBUTING TIGHTLY LEAVING NO GAPS. THE CONTRACTOR SHALL REPAIR AND REPLACE ALL SOD ON ADJACENT PROPERTIES DAMAGED BY LANDSCAPE INSTALLATION WORK, AND SHALL NOTIFY THE OWNER OF THE ADJACENT PROPERTY, AND OBTAIN PERMISSION TO PERFORM SOD REPAIRS.
- THE CONTRACTOR SHALL PROVIDE IMPORTED ORGANIC BACKFILL MIX AS NOTED ON THE PLANTING DETAILS WHICH WILL BE FREE OF ALL DEBRIS AND STONES OVER 1" DIAMETER. BACKFILL MIX SHALL BE SIFTED THROUGH HANDED BODILOOM OR ORGANIC, INCLUDING NEMATODES AND PARASITES AND WILL BE PH 6.5 - 8.0 RANGE AS DESCRIBED IN THE TREE OR PALM PLANTING DETAILS. NATIVE SOIL MAY BE MIXED WITH 50/50 MIX PER DETAILS ONLY IF APPROVED BACKFILL MIX IS NOT AVAILABLE. THE CONTRACTOR SHALL SUBMIT WRITTEN LAB RESULTS, CERTIFICATION OF SOIL CONTENT AND TRUING RECEIPTS WITH TYPE AND VOLUME OF SOIL TO THE OWNER OR OWNER'S REPRESENTATIVE FOR VERIFICATION. BACKFILL WILL BE TESTED FOR CONTENT BY THE LANDSCAPE ARCHITECT AT ANY TIME. FAILURE TO PROVIDE APPROVED BACKFILL CERTIFICATION OF SOIL CONTENT AND/OR TRUING RECEIPTS MAY RESULT IN REJECTION OF ENTIRE LANDSCAPE WITH REMOVAL AND REPLACEMENT COSTS BORNE SOLELY BY THE CONTRACTOR.
- THE CONTRACTOR WILL PROVIDE FERTILIZER FOR ALL PLANTS UPON INSTALLATION AS SPECIFIED ON THE PLANTING DETAILS. FERTILIZER WILL BE THOROUGHLY INCORPORATED INTO THE BACKFILL MIX ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS FOR ALL PROPOSED PLANT MATERIAL IN EXISTING SANDY SOIL. CONTRACTOR WILL BE FAMILIAR WITH THE SITE AND THE ENGINEERING SOIL REPORT.
- UNLESS OTHERWISE DICTATED BY CITY OR COUNTY CODE, THE CONTRACTOR SHALL LOCATE ALL TREES WITH A MATURE HEIGHT OF OVER 20' OR HIGHER THAN 15 FEET TO ANY LIGHT POLES. PALMS WILL NOT BE CLOSER THAN 10 FEET TO ANY LIGHT POLE. THE CONTRACTOR MAY FIELD ADJUST HORIZONTAL LOCATION OF TREES AND PALMS FOR BEST FIT WHEN COORDINATED WITH AND CONSENT GIVEN BY THE OWNER OR OWNER'S REPRESENTATIVE. THE LANDSCAPE/IRRIGATION CONTRACTOR SHALL NOT PROCEED WITH WORK UNTIL SITE LIGHTING LOCATIONS ARE COMPLETELY STAKED-OUT TO CONTRAIN APPLICABLE SEPARATION.
- THE CONTRACTOR SHALL INSURE THAT ALL PLANT MATERIAL LOCATED WITHIN THE SIGHT TRIANGLE DISTANCE AREAS AT ROADWAY INTERSECTIONS AND ACCESS POINTS PROVIDE AN UNOBSTRUCTED CROSS VISIBILITY AT A HORIZONTAL LEVEL BETWEEN 30' AND 6' IN HEIGHT. SEE LANDSCAPE PLANS FOR SIGHT TRIANGLES.
- THE CONTRACTOR SHALL INSURE THAT ALL TREES OR PALMS LOCATED ADJACENT TO ANY OVERHEAD POWER LINES BE INSTALLED IN ACCORDANCE WITH FLORIDA POWER AND LIGHTS "RIGHT TREE, RIGHT PLACE" GUIDELINES. ANY INSTANCES OF INSUFFICIENT SEPARATION BETWEEN TREES OR PALMS AND OVERHEAD LINES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR RESOLUTION BEFORE INSTALLATION.
- THE CONTRACTOR SHALL LOCATE ALL TREES AND PALMS CLEAR OF ALL TRAFFIC SIGNS AND IN SUCH A MANNER TO PREVENT BOTH THE TREE CANOPY AND PALM FRONDS FROM OBSTRUCTING ANY PORTION OF TRAFFIC SIGNS. THE LANDSCAPE/IRRIGATION CONTRACTOR SHALL NOT PROCEED WITH WORK UNTIL TRAFFIC SIGNAGE AND GUARDRAILS ARE COMPLETELY STAKED-OUT TO CONTRAIN SEPARATION AND CLEAR VISIBILITY OF SIGNS.
- THE CONTRACTOR WILL PROVIDE "WET-PRU" OR OTHER APPROVED SURFACANT TO BE SPRAYED ON ALL PROPOSED TREES AND PALMS IN AREAS OF SUSTAINED WINDS OF MORE THAN 10 MPH AND ALL COASTAL AREAS, ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, TO PREVENT WINDBURN AND EXCESS WATER LOSS THROUGH TRANSPIRATION.
- THE CONTRACTOR SHALL WITHIN SUPPLEMENTAL IRRIGATION, I.E. REGULAR THROUGH, DEEP WATERING, TO ALL INSTALLED PLANT MATERIAL UNTIL SUCH TIME AS THE IRRIGATION SYSTEM IS INSTALLED AND HAS BEEN INSPECTED BY THE LANDSCAPE ARCHITECT AND DEMONSTRATED TO BE 100% OPERATIONAL, OR UNTIL THE CITY'S OR COUNTY'S FINAL INSPECTION, ACCEPTANCE AND PERMIT CLOSE-OUT.
- THE CONTRACTOR SHALL PROVIDE ROOT BARRIER AT A VERTICAL DEPTH OF 18" MIN. TO 48" MAX. FOR ANY SHADE TREES OR LARGE PALMS WHICH ARE INSTALLED AS FOLLOWS: LESS THAN 10' FEET FROM ADJACENT ASPHALT OR CONCRETE PAVEMENT; WITHIN CURBED PARKING ISLANDS LESS THAN 10' FEET FROM WIDTH OR WITHIN SIX (6) FEET FROM PROXIMITY TO UNDERGROUND UTILITY OR INFRASTRUCTURE. ROOT BARRIER SHALL BE "BIOBARRIER", "DEEPTRO PARTNERS LP", OR APPROVED EQUAL. INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. SEE DETAIL, THIS PAGE.
- THE CONTRACTOR SHALL PROVIDE GUYING OR STAKING TO ALL TREES AND PALMS ACCORDING TO THE DETAILS SHOWN IN THIS SHEET. GUYING AND STAKING REQUIREMENTS WILL BE STRICTLY ENFORCED THROUGHOUT CONSTRUCTION AND THE WARRANTY PERIOD. ALL TREES AND PALMS WILL BE PALME GUARDED AT TIME OF INSPECTION. ALL GUYING OR STAKING SHALL BE REMOVED AFTER NINE MONTHS OR AT THE END OF HURRICANE SEASON, WHICHEVER IS GREATER.
- THE CONTRACTOR SHALL PROVIDE APPROVED MULCH TO ALL TREES, SHRUBS AND PLANT BEDS. CONTRACTOR SHALL INSTALL MULCH AT A DEPTH OF 3", MIN. AND MAINTAIN A 48" DIAMETER RING AROUND FREE STANDING TREES. ALL TREES SHALL HAVE A 6" RING OF MULCH CLEAR OF THE TRUNK. DO NOT MIX MULCH WITH ANNUAL, PERENNIAL, BEDS. APPROVED MULCH WILL BE NON-COMPRESSED, STERILIZED NATURAL CELLULOSE FRAGMENTS AS RECOMMENDED BY SPANIOS KOSKOPIC PLANT CARE, I AND WHICH COMPLIES WITH ALL APPLICABLE LAND DEVELOPMENT, ZONING AND BUILDING CODES.
- THE CONTRACTOR WILL PROVIDE SCREEN HEDGE MATERIALS AT ALL GROUND MOUNTED, FREE-STANDING UTILITY EQUIPMENT OR ENCLOSURES SUCH AS TRANSFORMERS, AIR CONDITIONING COMPRESSORS, BACKFLOW PREVENTERS AND OTHER MECHANICAL EQUIPMENT NOT DETERMINED PRIOR TO SITE PLAN APPROVAL. SCREEN PLANT MATERIAL WILL BE LOCATED AT ALL NON-ACCESSIBLE PORTION OF GAS EQUIPMENT AND WILL BE EQUAL TO THE HEIGHT OF SUCH ELEMENTS (REFER TO GROUND MOUNTED EQUIPMENT SCREENING DETAIL). INSTALLATION SHALL BE PERFORMED PRIOR TO INSPECTION BY THE PERMITTING AGENCY. THE CONTRACTOR SHALL CONSULT WITH THE LANDSCAPE ARCHITECT FOR APPROPRIATE PLANT SPECIES, SIZE AND QUANTITY OF ALL SCREENING SHRUBS. THE CONTRACTOR SHALL SUBMIT A R.O.C. (REQUEST FOR CHANGE ORDER) FOR ALL ADDITIONAL REQUIRED SPECIES TO SCREEN GROUND MOUNTED EQUIPMENT TO THE OWNER OR OWNER'S REPRESENTATIVE FOR CONSENT AND TO THE CITY FOR APPROVAL.
- THE CONTRACTOR WILL, WITH ALL QUOTATIONS OR PROPOSALS/AGREEMENTS, PROVIDE A BINDING LETTER AND WRITTEN REPLACEMENT WARRANTY FOR ALL INSTALLED PLANT MATERIAL AFTER FINAL INSPECTION AND ACCEPTANCE BY THE OWNER. WARRANTY SHALL BE FOR 1 YEAR FOR ALL TREES AND PALMS, 120 DAYS FOR SHRUBS, WHERE INCIDENTAL COMPLETION CERTIFICATES OR TESTS ARE ISSUED, CONTRACTOR MAY PETITION OWNER & AUTHORITY TO ACCEPT WORK IN CORRESPONDING INCIDENTAL SECTIONS. ALL PLANT MATERIAL SHALL NOT BE BOUND UNDER WARRANTY SHOULD IT BE CONFIRMED THAT DAMAGE OR DEATH TO PLANT MATERIAL BE THE RESULT OF AN "ACT OF GOD".
- THE CONTRACTOR WILL PROVIDE A WRITTEN AGREEMENT TO COVER THE WARRANTY PERIOD AT TIME OF THE COMPLETION, INSPECTION AND PRIOR TO FINAL ACCEPTANCE. CONTRACTOR SHALL ALSO DEFINE INSPECTION DATES AND TIMES THROUGHOUT THE WARRANTY PERIOD TO MONITOR PLANTINGS UNDER WARRANTY. MAINTENANCE AGREEMENT WORK SHALL BE PERFORMED BY A QUALIFIED LANDSCAPE/IRRIGATION CONTRACTOR.
- THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY OF OBTAINING FROM GROWERS STATEMENT, AND INTERESTED, SPECIFIED PLANT MATERIALS IN ADVANCE OF RELEASING SITE TO LANDSCAPE PROFESSIONAL, AWARD OF THE CONTRACT IS BASED ON THE CONTRACTOR PROVIDING THE MATERIALS AT BID PRICE. CONTRACTOR WILL PROVIDE OFF-SITE NURSERY FACILITIES FOR RECEIVING, MAINTAINING AND GROWING PLANT MATERIALS AT HIS OWN COST, WHEN SPECIAL CONDITIONS EXIST OR OTHER ARRANGEMENTS MUST BE MADE IN ORDER TO SUPPLY SPECIFIED PLANT MATERIALS. ONLY REGIONAL (FIVE-COUNTY) AGRICULTURAL DAMAGE AS DETERMINED BY FLORIDA D.O.A. AND/OR THE LOCAL COOPERATIVE EXTENSION SERVICE IN WRITING WILL BE CONSIDERED BY AUTHORITY. IN THIS CASE, THE CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING AND OBTAINING WRITTEN MODIFICATION FROM THE LANDSCAPE ARCHITECT AND THE PERMITTING JURISDICTION FOR ACCEPTABLE PLANT SUBSTITUTIONS.
- THE CONTRACTOR ACCEPTS THE LANDSCAPE PLANT, PLANT LIST, QUANTITIES AND SPECIFICATIONS CONTAINED HEREIN AS REQUIRED FOR SITE PLAN APPROVAL, ZONING AND LANDSCAPE PERMITTING. FINAL ARCHITECTURE, ENGINEERING IN PLANS AND UTILITY PROVIDERS MAY CREATE CONFLICTS AND OCCURRENCE OF DISCREPANCIES BETWEEN PLANT LOCATIONS ON PLAN AND THE LIST. BIDDER AND CONTRACTORS SHALL REPORT IN WRITING ANY AND ALL DISCREPANCIES TO THE LANDSCAPE ARCHITECT FOR RESOLUTION, AND AS REQUIRED BY CODE.

SIGNATURE OF CONTRACTOR/BIDDER _____ DATE _____

COMPANY NAME, ADDRESS & PHONE _____

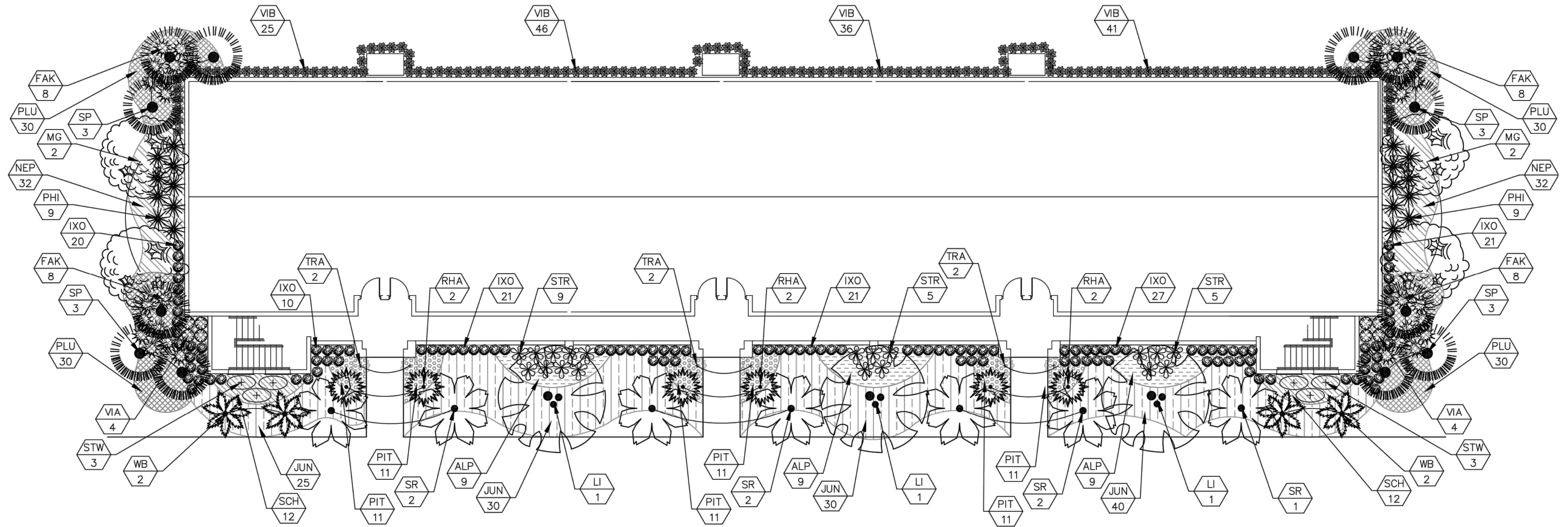
CONTRACTOR AND/OR LANDSCAPE & IRRIGATION PROFESSIONAL MUST HAVE THIS SIGNED DRAWING IN THE BUILDING PERMIT SET OF PLANS AND THE JOB SITE SET OF PLANS AT ALL TIMES.

WOHLFARTH CONSULTING				DESCRIPTION
GROUP LLC				
ENGINEERS & PLANNERS				
246 N. WESTMORLE DRIVE		32714		DATE
(407) 750-3123		ORLANDO		
MAYFAIR		FORT PIERCE, FLORIDA		LANDSCAPE DETAILS
SCALE 1"=30'		PROJECT 2017-004		
DESIGNED: _____		CHECKED: _____		
DRAWN: _____		SHEET L1-1.02		DATE: 6/3/2018
BUSINESS NO. 32108				
NOT FOR CONSTRUCTION				
6/3/18				

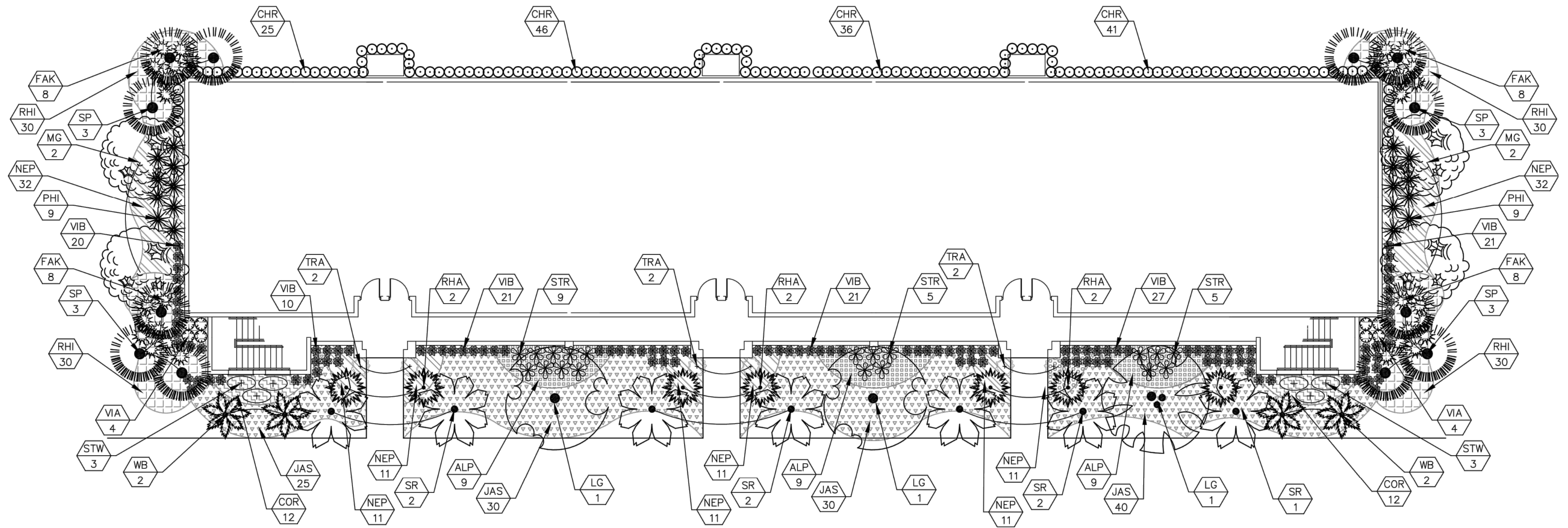
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14 Unit Typical Plant List

Sym	Key	Qty.	Crt.	Scientific/Common Name	Ht.	Spr.	Remarks
SR	6	1:1		QUEEN PALM SYAGRUS ROMANOFFIANA	12' GW		12' GW, MATCHED FULL HEAVY HEADS NO SCARRED TRUNKS
WB	4	1:1		FOXTAIL PALM WOYTEA BIFURCATA	6' GW		6' GREY WOOD, MATCHING HEADS MIN. 9' FRONDS, NO SCARRED TRUNKS
SP	12	3:1		SABAL PALM SABAL PALMETTO 'WIBOOT'S'	6'-10'		VARIABLE HEIGHTS, BOOTED TRUNKS MINIMUM 8' CT. FRONDS WITH 4 STAGGERED FULL HEADS
LI	2	1:1		CREPE MYRTLE LAEGERSTRÖMIA INDICA	10'	5'	MULTI TRUNK STANDARD, 3 TRUNKS MINIMUM MIN. 4' CT., FULL MATCHED
MG	4	1:1		LITTLE GEM MAGNOLIA MAGNOLIA GRANDIFLORA 'LITTLE GEM'	12'	5'	SINGLE STRAIGHT TRUNK, 2" D.B.H. MIN. 9' CT.
LG	2			WAX LIGULSTRUM LIGULSTRUM LUCIDUM	8'	5'	MULTI TRUNK STANDARD 5 TRUNKS MINIMUM MIN. 4' CT., FULL MATCHED
STW	6			WHITE BIRD OF PARADISE STRELTZIA REGINA	30"	30"	7 STEMS MIN. MATCHED 7 GALLON
STR	19			DWARF BIRD OF PARADISE STRELTZIA REGINA	48"	48"	7 GALLON, FULL MIN. 6-8 FRONDS
RHA	6			LADY PALM ROPS EXCELSA	48"	30"	7 GALLON, FULL TO BASE MATCHED
ALP	27			VAREGATED SHELL GINGER ALPINA ZERUMBET 'VAREGATA'	18"	24"	FULL TO BASE MIN. 3 GALLON, 36" O.C.
COR	24			HAWAIIAN 'TI PLANT CORDYLINE TERMINALIS 'BOLERO'	36"	24"	FULL 8 STEMS MIN. 3 GALLON
VIA	6			AWABUKI VEIBURNUM VEIBURNUM COCCINNEUM 'AWABUKI'	30"	30"	FULL TO BASE 3 GALLON, 36" O.C.
PHI	18			PHILODENDRON PHILODENDRON SELLOUM	42"	36"	FULL TO BASE MIN. 7 GALLON, 48" O.C.
DO	120			DOBA DOBA COCCINEA 'JUNGLE FLAME'	24"	24"	FULL TO BASE 3 GALLON, 24" O.C.
VIB	148			SANDANKWA VEIBURNUM VEIBURNUM SUSPENSUM	24"	24"	FULL TO BASE 3 GALLON, 24" O.C.
FAK	32			FAKATCHEE GRASS TRIPSACUM DACTYLOIDES	24"	24"	FULL TO BASE, MATCHED 3 GALLON, 36" O.C.
CHR	148			COCCOPLUM CHRYSOBALANUS ICAGO	24"	24"	FULL TO BASE 3 GALLON, 24" O.C.
PLU	120			PLUMBAGO PLUMBAGO AURICULATA 'IMPERIAL BLUE'	18"	18"	FULL TO BASE 3 GALLON, 24" O.C.
JAS	125			WAX JASMINE JASMINUM VOLUBILE	18"	18"	FULL 1 GALLON, 18" O.C.
NEP	130			FISHTAIL FERN NEPHROLEPS FALCATA 'FURCANS'	12"	12"	FULL 1 GALLON, 18" O.C.
SCH	24			VAREGATED SCHEFFLERA SCHEFFLERA ARBORESCENS 'VAREGATA'	24"	18"	FULL TO BASE MIN. 3 GALLON, 24" O.C.
PIT	68			VAREGATED TOBIRA PITTOSPORUM PITTOSPORUM TOBIRA 'VAREGATA'	4"	5"	FULL TO BASE 1 GALLON, 18" O.C.
RHI	120			INDIAN HAWTHORN 'WHITE' RHOCHLOPS INDICA 'ALBA'	18"	18"	FULL TO BASE 3 GALLON, 24" O.C.
JUN	125			BLUE RUG JUNIPER JUNIPERUS HORIZONTALIS 'WILTONI'	12"	18"	FULL TO BASE 3 GALLON, 24" O.C.
TRA	6			COMPOSITE JASMINE TRACHELOSPERMUM JASMINOIDES	3 GALLON, FULL MIN. 3 BURNERS, MIN. 30" LONG ATTACH TO FENCE/TRELLIS		
SOD	SOD	XX,XXX	S.P.	ST. AUGUSTINE FLORATUM STENOTAPHYRUM SECUNDATUM			SOLID SOD STAGGER SEAMS FIELD VERIFY SOD AREAS



SUN EXPOSURE



SHADE EXPOSURE

WOHLFARTH CONSULTING GROUP LLC ENGINEERS & PLANNERS 246 N. WESTMOORE DRIVE ALAMOGADO (407) 750-3723 ORLANDO	
MAYFAIR, FORT PIERCE, FLORIDA	PLANT LIST
SCALE: 1" = 30' PROJECT: 2017-004 SHEET: L1-1.04	DRAWN: DM DESIGNED: -- CHECKED: RW DATE: 6/3/2018
W GROUP LAND DEVELOPMENT & ENGINEERING SERVICES BUSINESS NO. 32108	
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