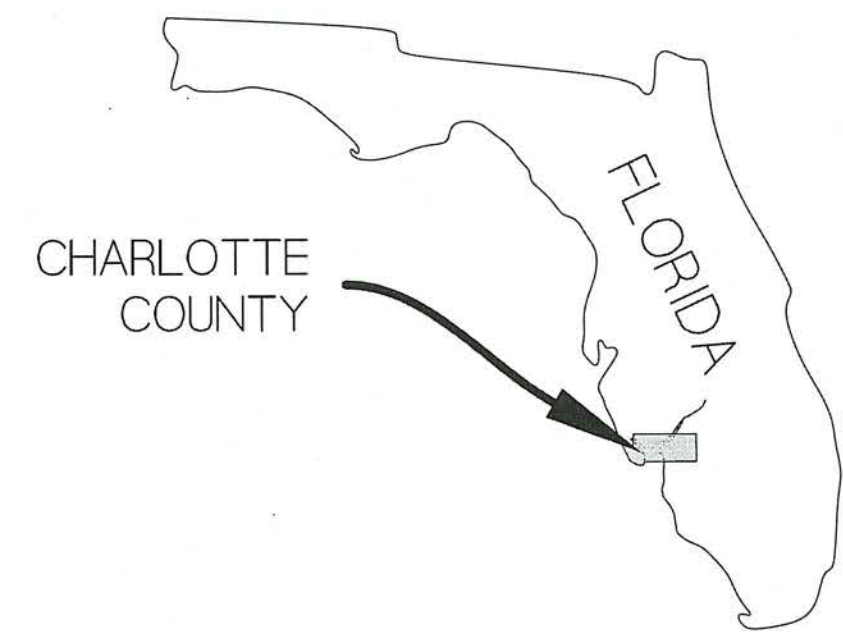




CHARLOTTE COUNTY
BOARD OF COUNTY COMMISSIONERS

KEN DOHERTY
DISTRICT 1

CHRISTOPHER CONSTANCE
DISTRICT 2

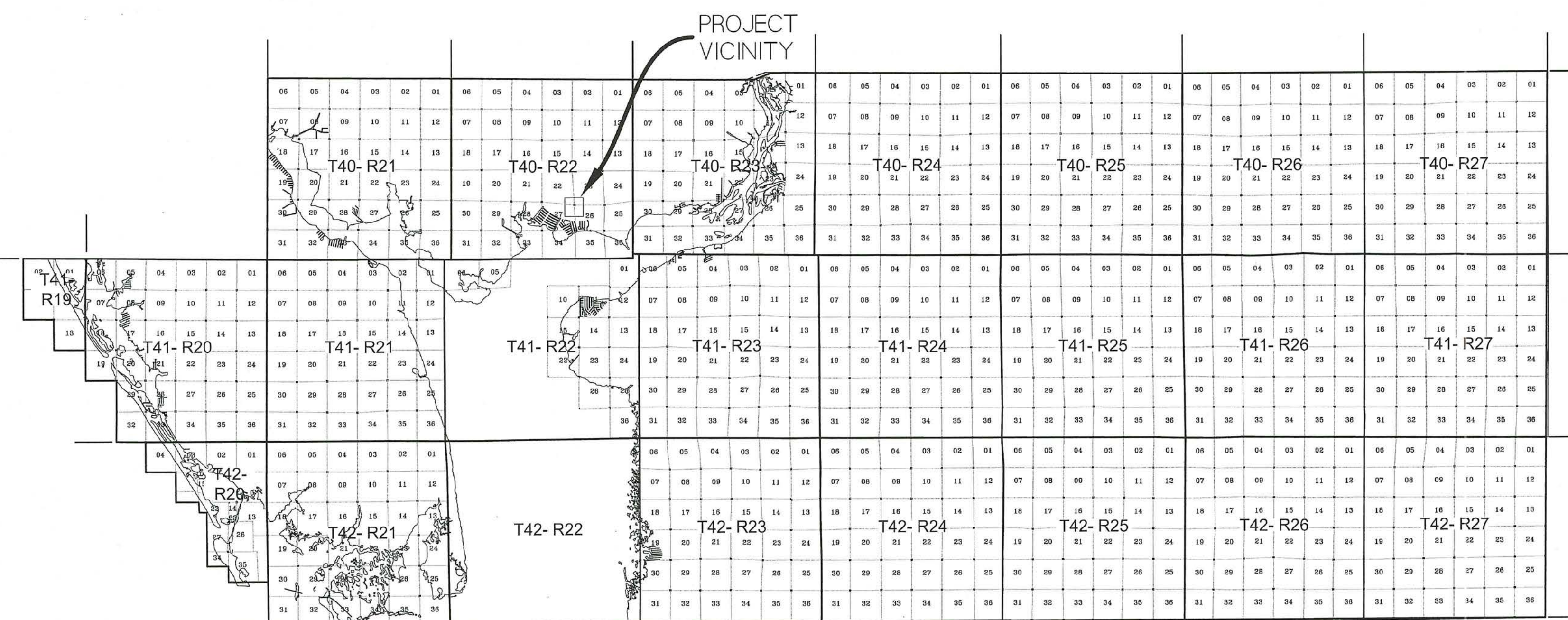
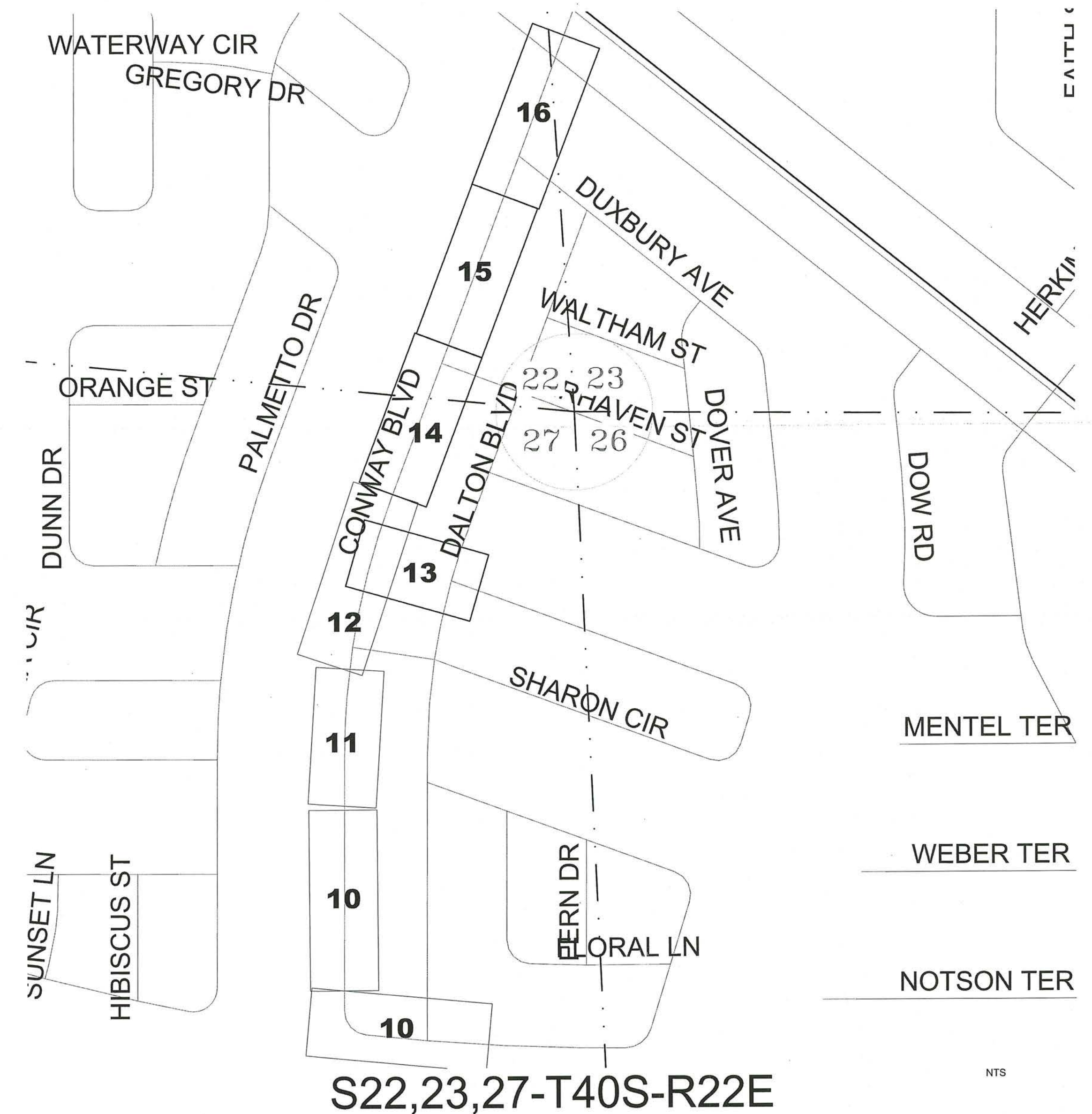
BILL TRUEX
DISTRICT 3

STEPHEN R. DEUTSCH
DISTRICT 4

JOSEPH TISEO
DISTRICT 5

HECTOR FLORES
COUNTY ADMINISTRATOR

CCU PRJ # 20-0002 - LS. #2 CONWAY AREA FORCEMAIN AND WATERMAIN REPLACEMENT

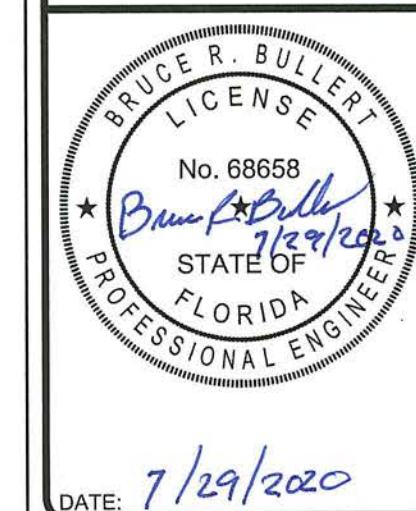


Sheet List Table	
Sheet Number	Sheet Title
1	COVER
2	NOTES AND LEGEND
3	LS - EXISTING CONDITIONS
4	LS - DEMOLITION
5	LS - SITE & GRADING PLAN
6	LS - DETAILS 1
7	LS - DETAILS 2
8	LS - PANEL DETAILS
9	WATER MAIN PLAN 1
10	WATER MAIN PLAN 2
11	PLAN AND PROFILE 1
12	PLAN AND PROFILE 2
13	PLAN AND PROFILE 3
14	PLAN AND PROFILE 4
15	PLAN AND PROFILE 5



DESIGNED BY: NS	DWN BY: DEC	CAD BY: SRB
DATE: 2020-07-24	S-T-R	PROJECT NO. 20-0002 - LS. #2
DATE: 2020-07-24	SCALE: NTS	PLOT DATE: 2020-07-24 11:13 PM
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SIZE: ARCH full bleed 0 (8.5 x 11) inches	2020-07-24	2020-07-24

CHARLOTTE COUNTY UTILITIES
25550 HARBOR VIEW RD.
PORT CHARLOTTE FL 33980
PH: 941-764-4516
FAX: 941-764-4969



20-0002 - LS. #2 CONWAY AREA
FORCEMAIN AND WATERMAIN
REPLACEMENT
COVER

SHEET
1 OF 15

BID SET

All elevations are based on **North American Vertical Datum (NAVD) 1988** unless otherwise noted. Coordinates are in the **Florida West Zone/ NAD 83-90 State Plane FEET** Coordinate System.

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Any exception(s) to the Design Compliance Standards are included in the Special Provisions of the Bid documents.



1. ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY AND SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
2. FOR UTILITY AND DRAINAGE CONFLICTS, SEE THE CCU "TYPICAL UTILITY CROSSING DETAIL" PAGE GD-23 AND MAIN SEPARATION DETAIL PAGE GD-05 IN THE STANDARD DRAWING DETAILS ONLINE.
3. FOR DIRECTIONAL BORE REQUIREMENTS SEE TYPICAL DIRECTIONAL BORE DETAIL PAGE GD-10 IN THE STANDARD DRAWING DETAILS ONLINE.
4. DIMENSIONS SHOWN ON THESE PLANS ARE FROM MATCHLINE TO MATCHLINE UNLESS NOTED.
5. OPEN CUT ROADS:
 - A. ANY STRIPING, STOP BARS, ETC, DAMAGED OR OBLITERATED AS THE RESULTS OF CONSTRUCTION ACTIVITY SHALL BE REPLACED IN KIND.
6. OPEN CUT DRIVEWAYS:
 - A. ALL DISTURBED CONCRETE DRIVEWAYS SHALL BE REMOVED AND REPLACED FROM THE EDGE OF PAVEMENT TO THE NEAREST CONSTRUCTION / EXPANSION JOINT.
7. CONTRACTOR SHALL OBTAIN PERMITS WITHIN CHARLOTTE COUNTY RIGHT-OF-WAY.
8. METERS SHALL BE PLACED IN ACCORDANCE WITH THE CHARLOTTE COUNTY UNIFORM WATER AND SEWER TARIFF, BOOK 1159 PAGE 735 ADOPTED MAY 9, 1991, RECORDED MAY 31ST, 1991, RULE NUMBER 30.0 - METERS.
9. THESE DRAWINGS WERE CREATED UTILIZING GPS EQUIPMENT. DUE TO THE SMALL VARIANCES IN ELEVATIONS CREATED BY USING GPS ANY ELEVATIONS WE SUPPLY ARE ONLY FOR THE PROJECT SPECIFIED. THEY ARE BASED ON NAVD88 BUT ARE NOT SET BY DIFFERENTIAL LEVELING SURVEY METHODS AND SHOULD BE REGARDED IN THE SAME MANNER AS AN ASSUMED BENCH MARK.
10. THE STATIONED ALIGNMENTS DEPICTED ON THESE PLANS ARE BASED ON THE APPROXIMATE CENTERLINE OF THE RIGHT-OF-WAY ONLY. THE LOCATIONS OF THE RIGHT-OF-WAYS AND PROPERTY LINES HAVE NOT BEEN VERIFIED IN THE FIELD, OR CERTIFIED BY A LICENSED LAND SURVEYOR.

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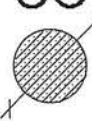
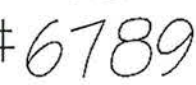
AC	ASBESTOS CONCRETE P
ASPH	ASPHALT
BO	BLOW-OFF
CTV	CABLE TV
CI	CAST IRON PIPE
CB	CATCH BASIN
CL	CENTER LINE
CO	CLEAN-OUT
CONC	CONCRETE
CM	CONCRETE MONUMENT
DAT	DATUM
DWG	DRAWING
DI	DUCTILE IRON PIPE
ESMT	EASEMENT
E	EAST
E:	EASTING
ELEC	ELECTRIC
ETB	TOP OF BANK
EBS	BOTTOM OF SLOPE
EX	EXISTING
FH	FIRE HYDRANT
FT	FOOT
FM	FORCE MAIN
FOC	FIBER OPTIC CABLE
GALV	GALVANIZED PIPE
GV	GATE VALVE
HORZ	HORIZONTAL
IN	INCH
INST	INSTALL
INV	INVERT
IP	IRON PIPE
IR	IRON ROD
IRC	IRON ROD AND CAP
LF	LINEAR FEET
LFT	LEFT
LS	LIFT STATION
LT	LIGHT
LF	LINEAR FEET
LP	LOW PRESSURE
LPS	LOW PRESSURE SEWER
MH	MANHOLE
M	METER

G	NATURAL GAS
N	NORTH
N:	NORTHING
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
PG	PAGE
PED	PEDESTAL
PCP	PERMANENT CONTROL POINT
PG	PLUG VALVE
PT.	POINT
PVC	POLYVINYL CHLORIDE PIPE
PL	PROPERTY LINE
RGE	RANGE
RCM	RECLAIMED WATER MAIN
RCP	REINFORCED CONCRETE PIPE
RT	RIGHT
ROW	RIGHT OF WAY
SARV	SEWER AIR RELEASE VALVE
SEC	SECTION
SFV	SEWER FORCEMAIN VALVE
ST	SEPTIC TANK
SVC	SERVICE
SLE	SEWER LINE EXTENSION
SLV	SLEEVE
S	SOUTH
SST	STAINLESS STEEL
STA	STATION
SD	STORM DRAIN
TEL	TELEPHONE
TEMP	TEMPORARY
TERM	TERMINAL
TOS	TOE OF SLOPE
TOB	TOP OF BANK
T.O.P.	TOP OF PIPE
TWP	TOWNSHIP
UGND	UNDERGROUND
UTIL	UTILITY

Always call 811 two full business days before you dig to have underground utilities located and marked.



	RIGHT OF WAY LINE
	PROPERTY LINE
	BASELINE STATIONING
	EXISTING 6" WATER MAIN
	EXISTING 4" WATER MAIN
	PROPOSED 8" WATER MAIN
	PROPOSED 6" FORCE MAIN
	PROPOSED 10" GRAVITY SEWER MAIN
	EDGE OF PAVEMENT
	EXISTING FIRE HYDRANT
	PROPOSED FIRE HYDRANT ASSEMBLY
	EXISTING WATER VALVE
	EXISTING SEWER VALVE
	PROPOSED GATE VALVE
	PROPOSED PLUG VALVE
	PIPE CAP
	REDUCER
	TEE
	CROSS
	90° BEND

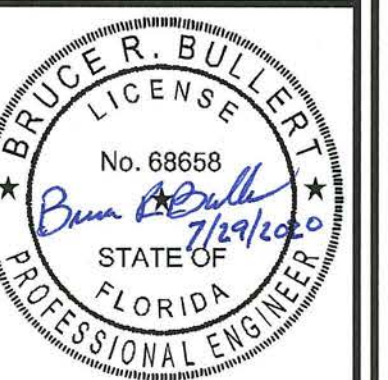
	45°, 22.5° OR 11.25° BEND
	SANITARY WYE CONNECTION
	SLEEVE
	TEMPORARY SAMPLE POINT
	EXISTING SANITARY SEWER MANHOLE
	CLEAN-OUT
	EXISTING UTILITY POLE
	EXISTING WATER SERVICE
	PROPOSED WATER SERVICE
	EXISTING DRAINAGE PIPE
	BLOCK NUMBER
	LOT NUMBER
	PARCEL ADDRESS
	EXISTING CHAIN LINK FENCE
	BLOW OFF
	WATER METER
	ELECTRICAL BOX
	TELEPHONE BOX
	CABLE TV BOX
	BENCH MARK

	EXISTING 4" WATER MAIN
	EXISTING 6" FORCE MAIN
	EXISTING GRAVITY MAIN
	PROPOSED 4" PVC FORCE MAIN
	PROPOSED 8" PVC WATER MAIN
	PROPOSED 2" PVC FIBER OPTIC CONDUIT



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No.	DESCRIPTION	DATE	BY

CHARLOTTE COUNTY UTILITIES
ENGINEERING SERVICES DIVISION
25550 HARBOR VIEW RD.
PORT CHARLOTTE FL 33980
PH: 941-764-4516
FAX: 941-764-4969

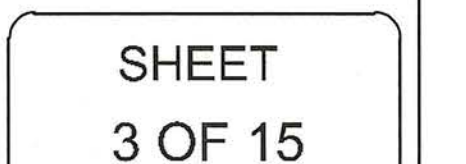


DATE: 2/29/2020

20-0002 - LS. #2 CONWAY AREA FORCEMAIN AND WATERMAIN REPLACEMENT

SHEET
OF 15

BID SET





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SHEET
4 OF 15

BID SET

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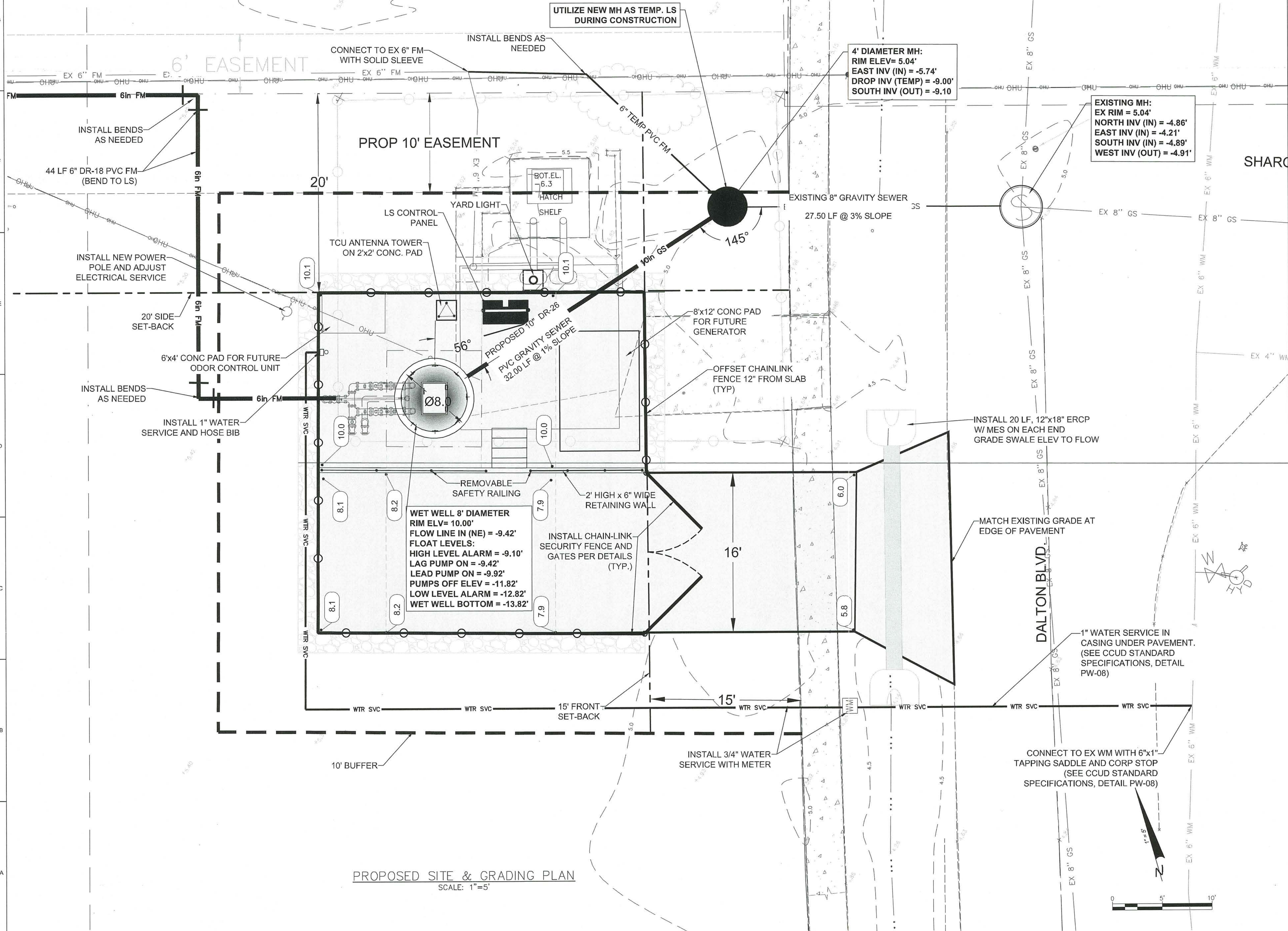
Any exception(s) to the Design Compliance Standards are included in the Special Provisions of the Bid documents.

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SYMBOL LEGEND	
	PROPERTY LINE
	RIGHT OF WAY LINE
	EASEMENT LINE
	EXISTING ELEVATION
	EXISTING EDGE OF PAVEMENT
	EXISTING SWALE
	BASELINE OF CONSTRUCTION
	EXISTING 8" FORCE MAIN
	EXISTING GRAVITY SEWER
	EXISTING FENCE
	EXISTING SANITARY MANHOLE
	EXISTING POWER POLE
	ELECTRICAL BOX
	TELEPHONE BOX
	EXISTING GATE VALVE
	PROPOSED 10" GRAVITY SEWER MAIN
	PROPOSED 8" WATER MAIN
	PROPOSED 6" FORCE MAIN
	PROPOSED MANHOLE
	PROPOSED WATER SERVICE
	PIPE CAP
	REDUCER
	TEE
	PIPE BENDS
	PROPOSED FENCE
	PROPOSED GRADE
	PROPOSED WATER METER
	8" THK. CONC. DRIVE & WORK AREA

ABBREVIATIONS	
GS	GRAVITY SEWER
WM	WATER MAIN
FM	FORCE MAIN
GS	GRAVITY SEWER
WTR SRV	WATER SERVICE
GV	GATE VALVE
LS	LIFT STATION
TCU	TELEMETRY CONTROL UNIT
TEL	TELEPHONE LINE
R/W	RIGHT-OF-WAY
PL	PROPERTY LINE
STA	STATION
INV.	INVERT
EX./EXIST.	EXISTING
INSTL	INSTALL
LF	LINEAR FOOT
L	LEFT
R	RIGHT
N/C.	NOT IN CONTRACT
CONC.	CONCRETE
CLF	CHAIN LINK FENCE
OHU	OVERHEAD UTILITY
SMH	SANITARY MANHOLE
BOT	BOTTOM

- GENERAL NOTES:
- CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL EXISTING PIPE LOCATIONS AND DEPTHS PRIOR TO PROPOSED PIPE INSTALLATION.
 - ALL DETAILS AND SPECIFICATIONS FOR CONSTRUCTION OF THIS PROJECT ARE LOCATED ON THE CHARLOTTE COUNTY UTILITIES WEB SITE LOCATED AT:
<http://www.charlottecountyfl.com/ccu/Engineering/>



PROPOSED SITE & GRADING PLAN
SCALE: 1"=5'

BID SET

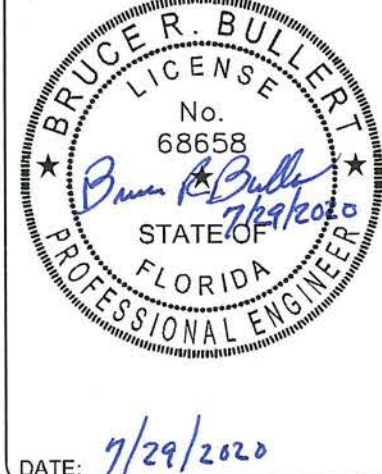
Always call 811 two full business days before you dig to have underground utilities located and marked.

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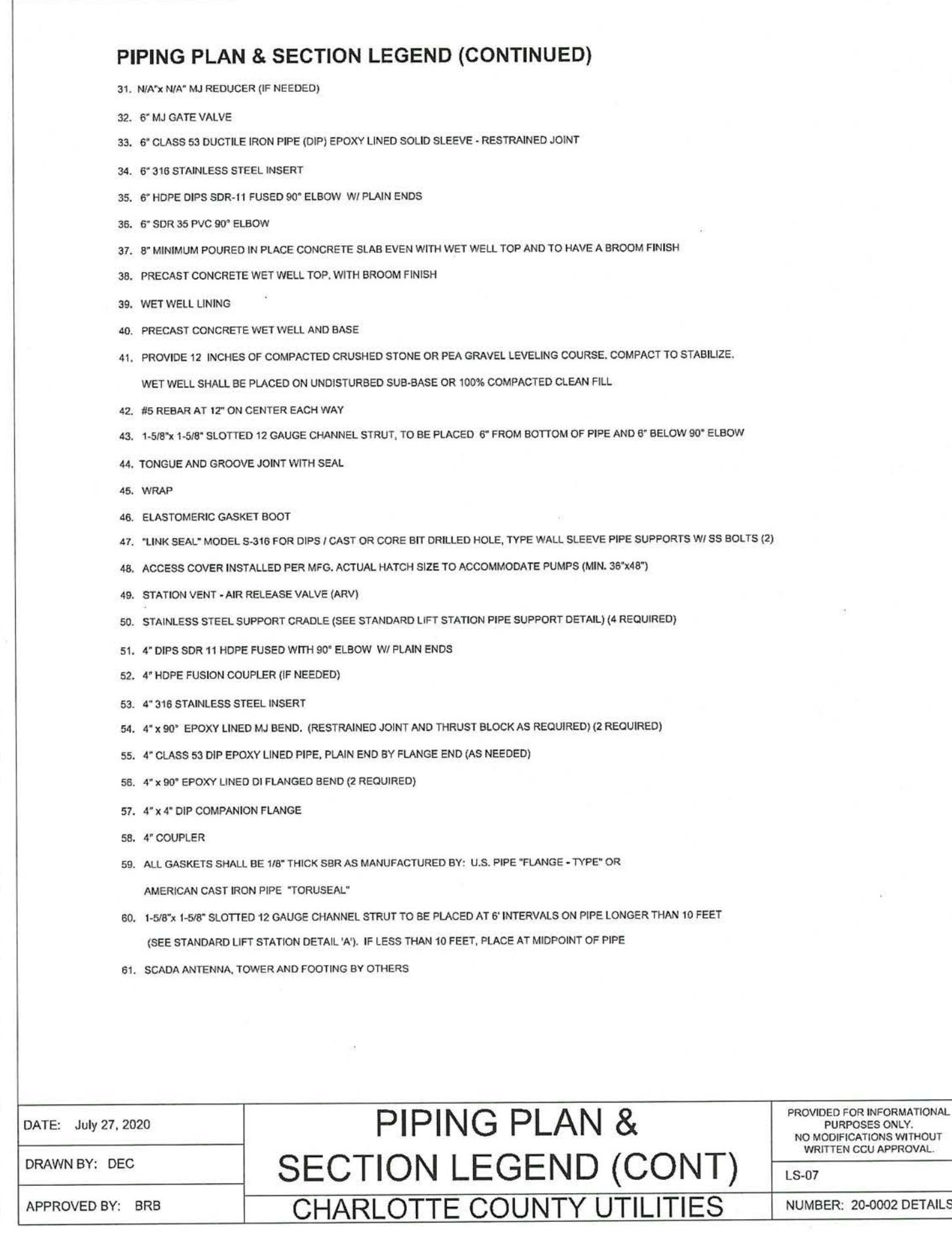
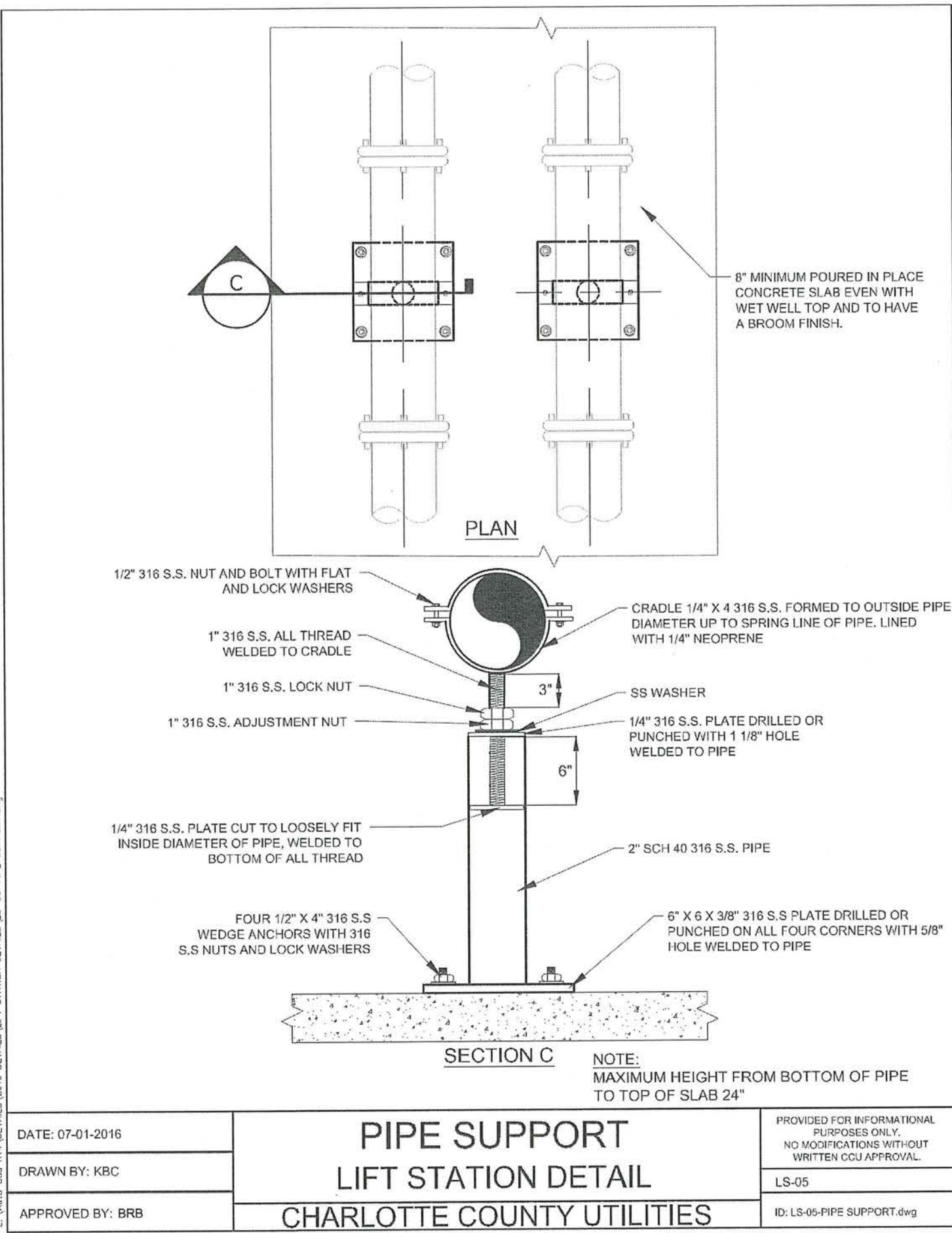
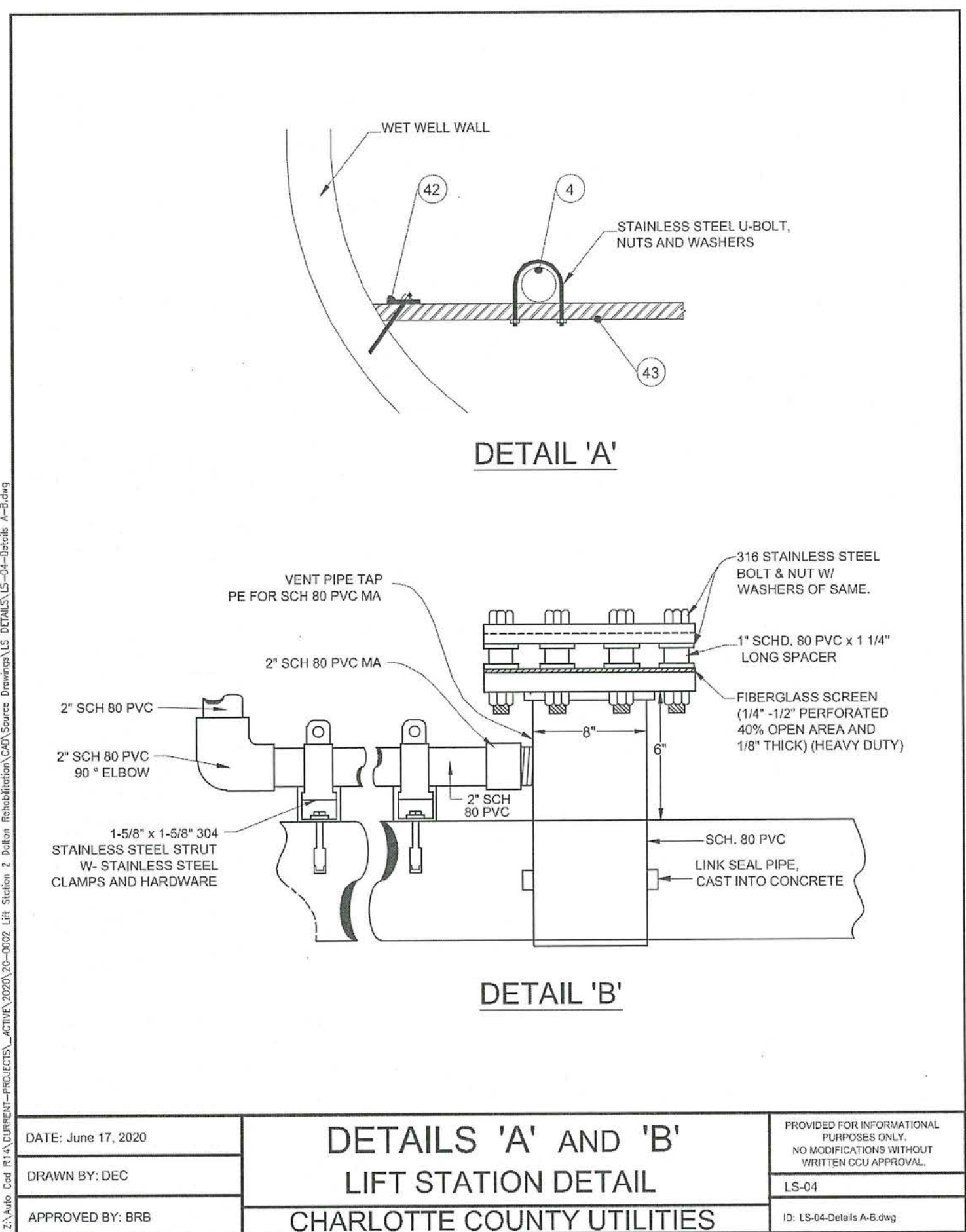
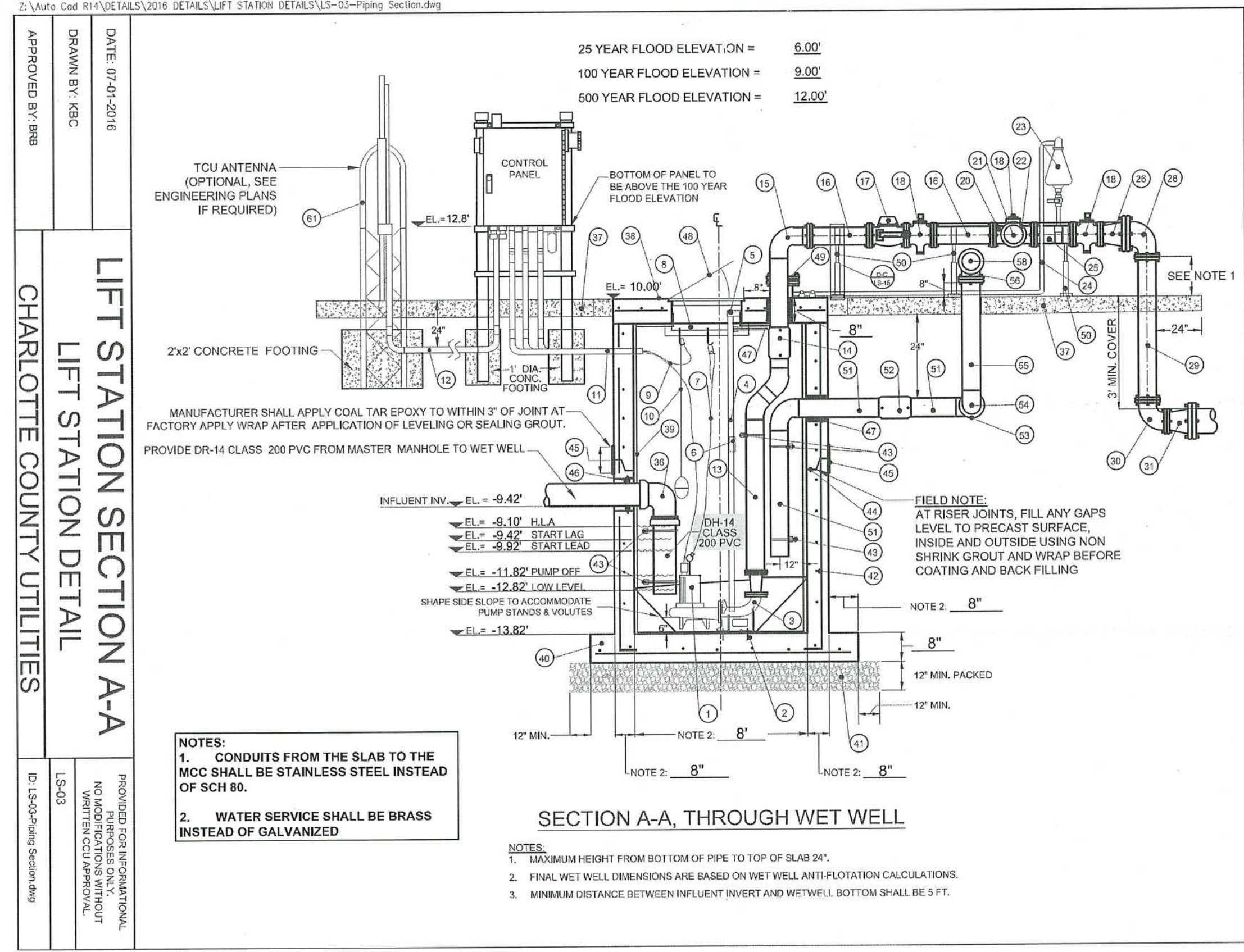
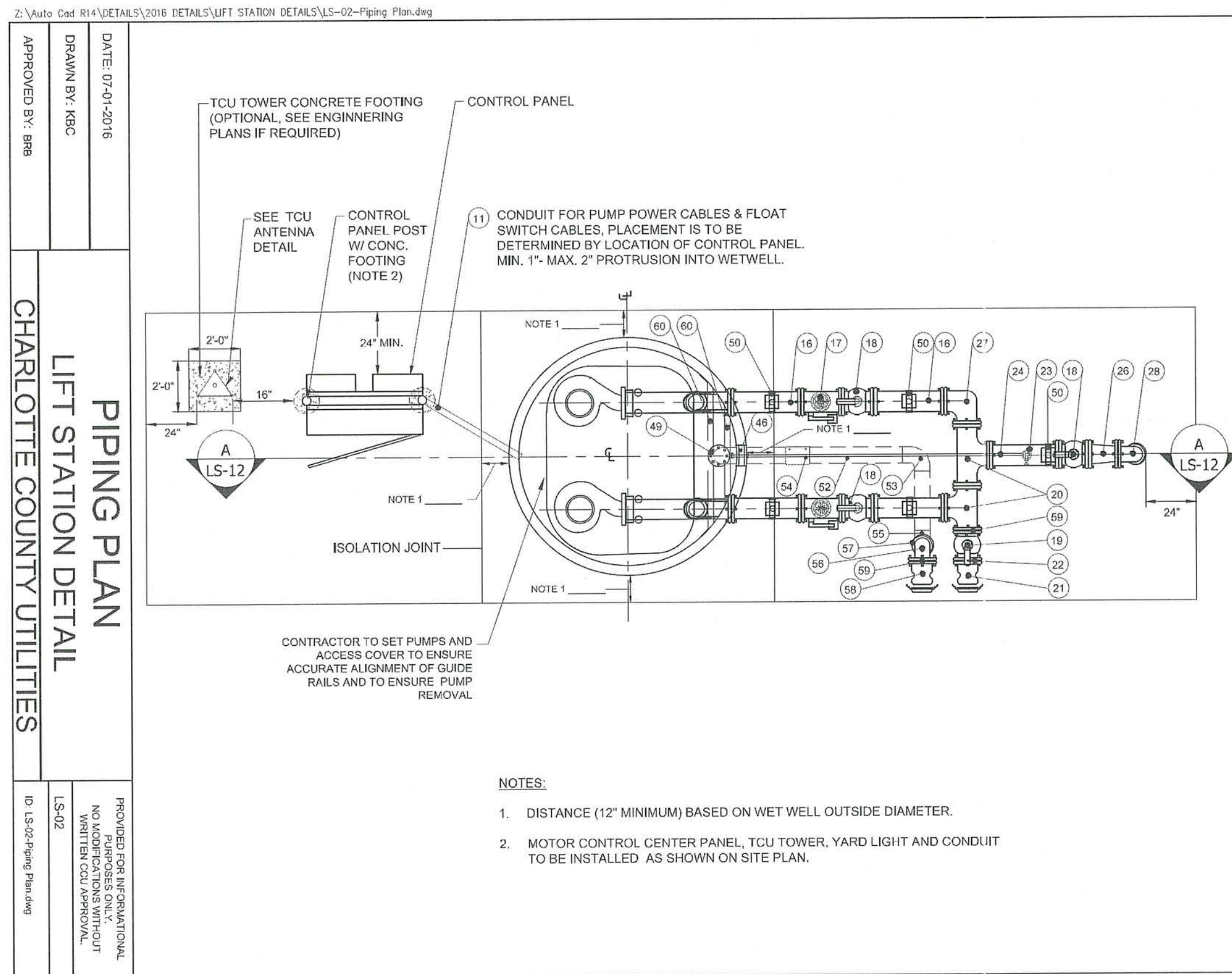
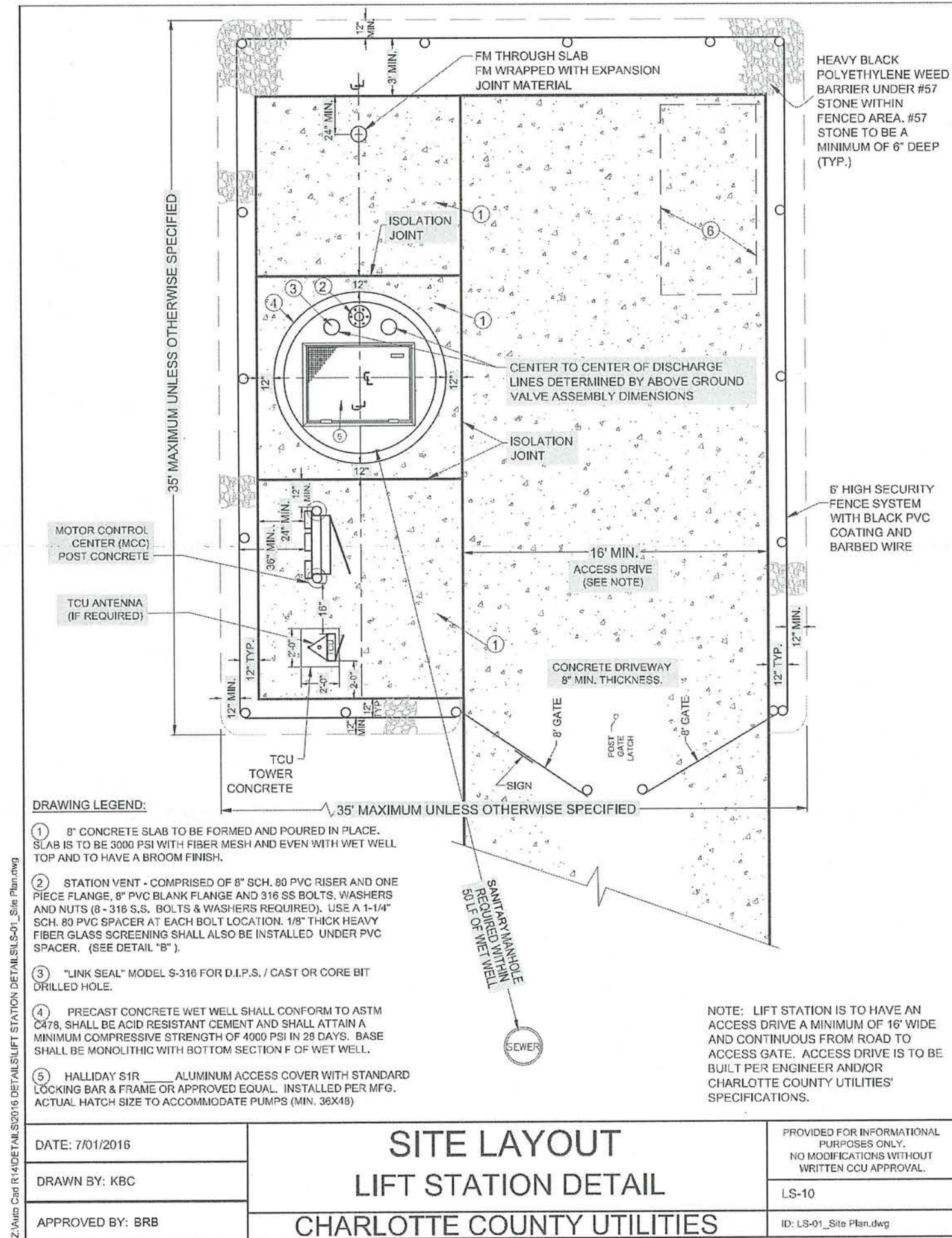


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				DATE	
				BY	

CHARLOTTE COUNTY UTILITIES
25550 HARBOR VIEW RD.
PORT CHARLOTTE FL 33980
PH: 941-764-4516
FAX: 941-764-4969



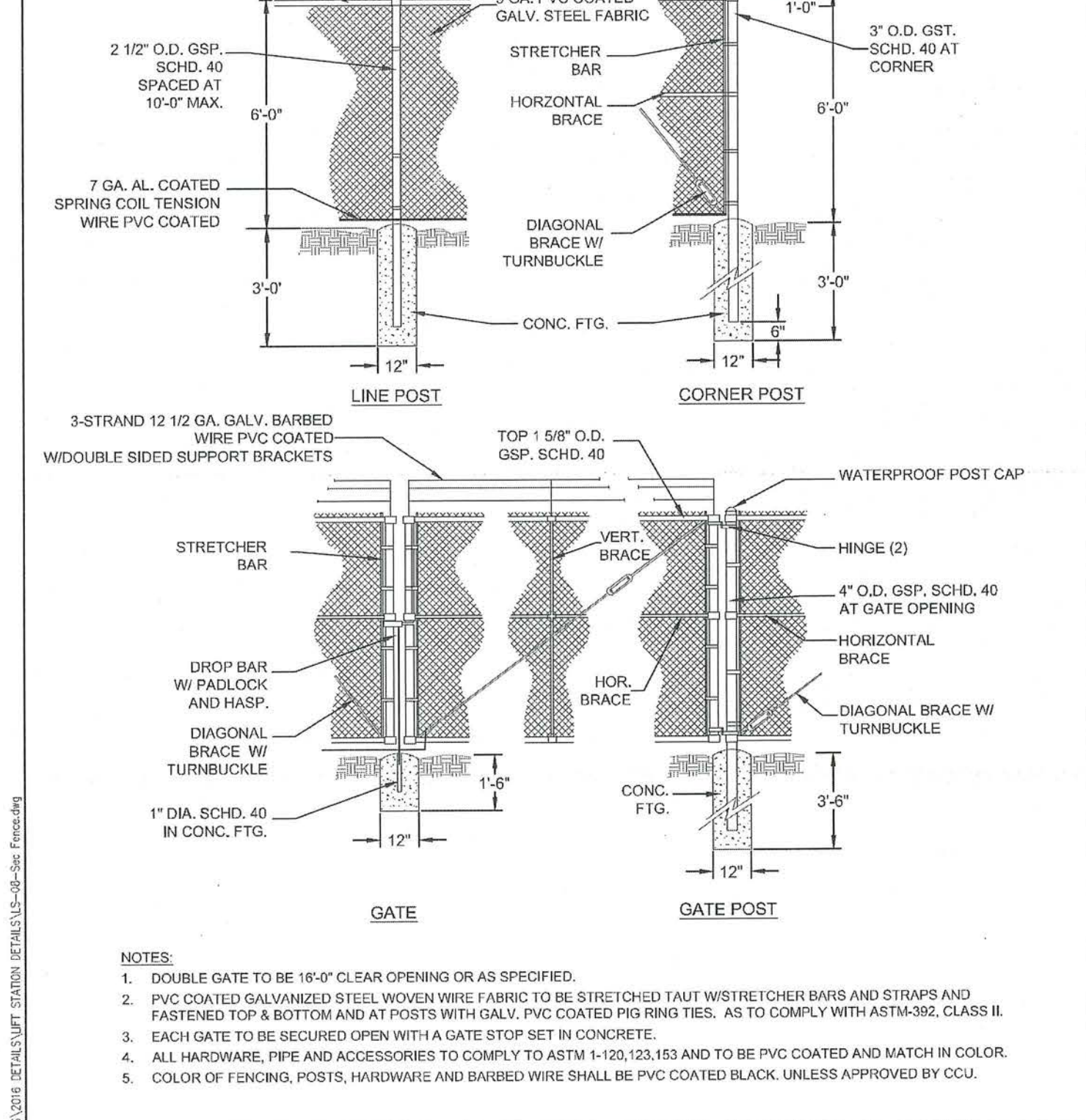
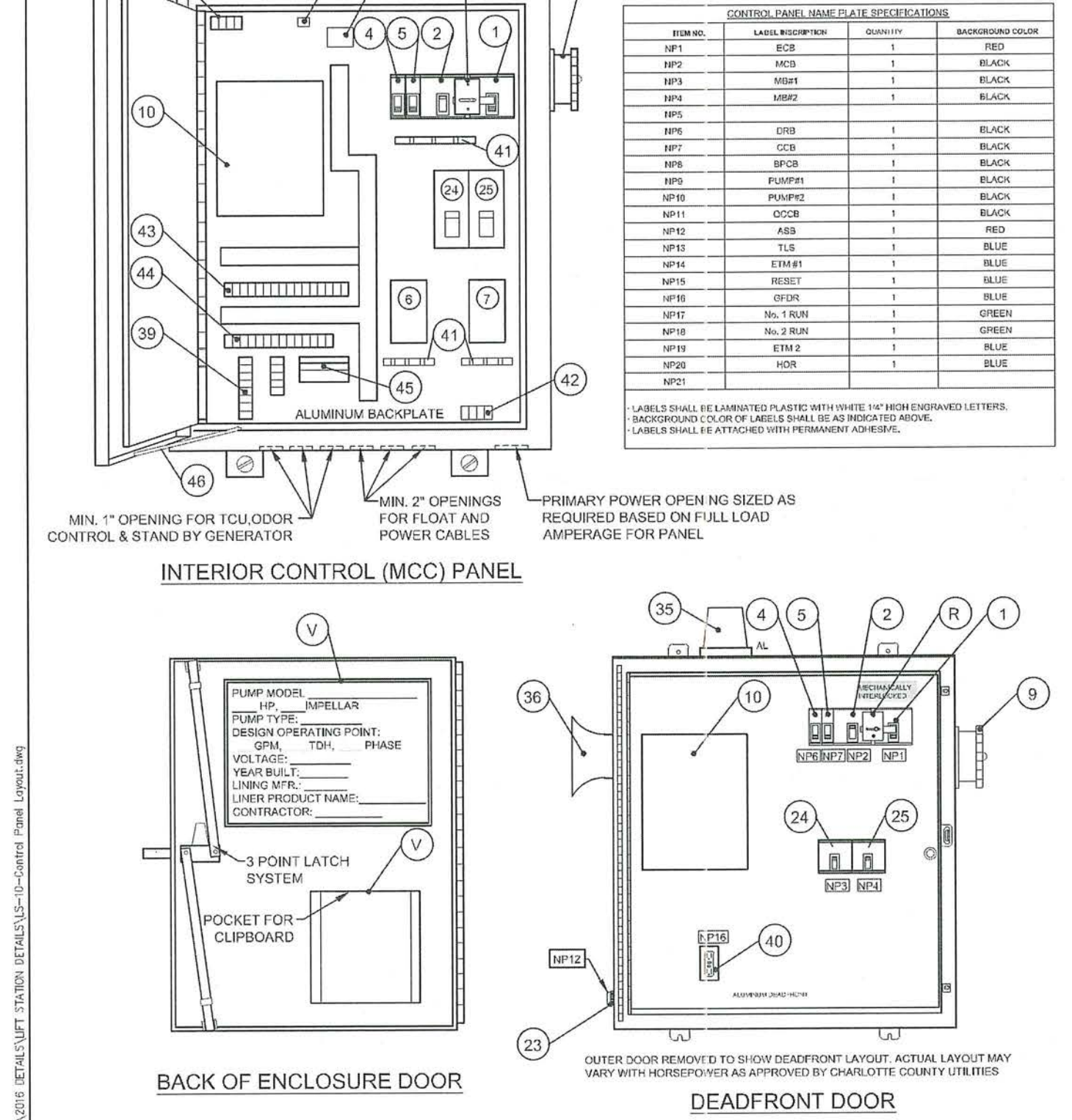
20-0002 - LS #2 CONWAY AREA
FORCEMAIN AND WATERMAIN
REPLACEMENT
LS - SITE & GRADING PLAN





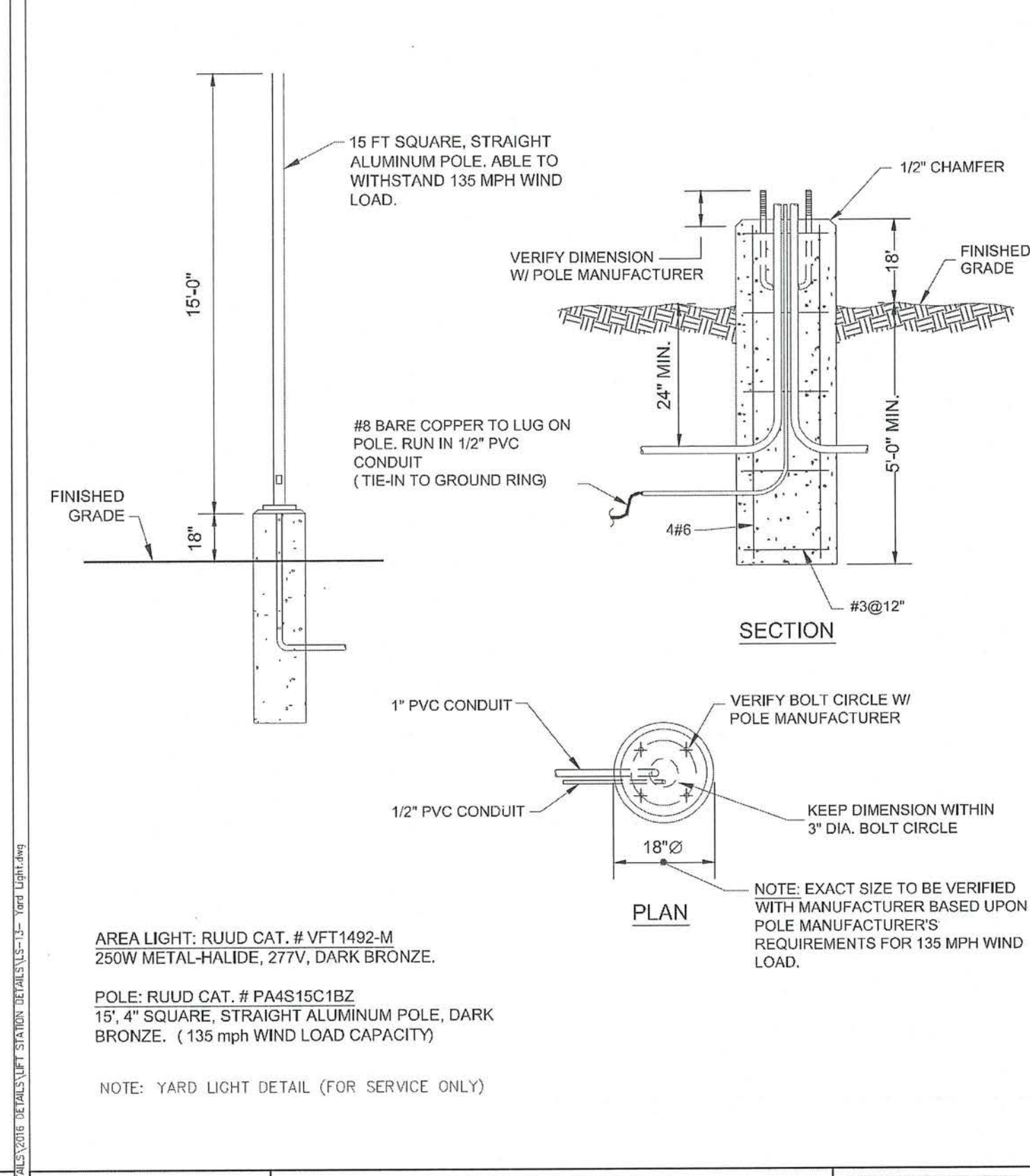
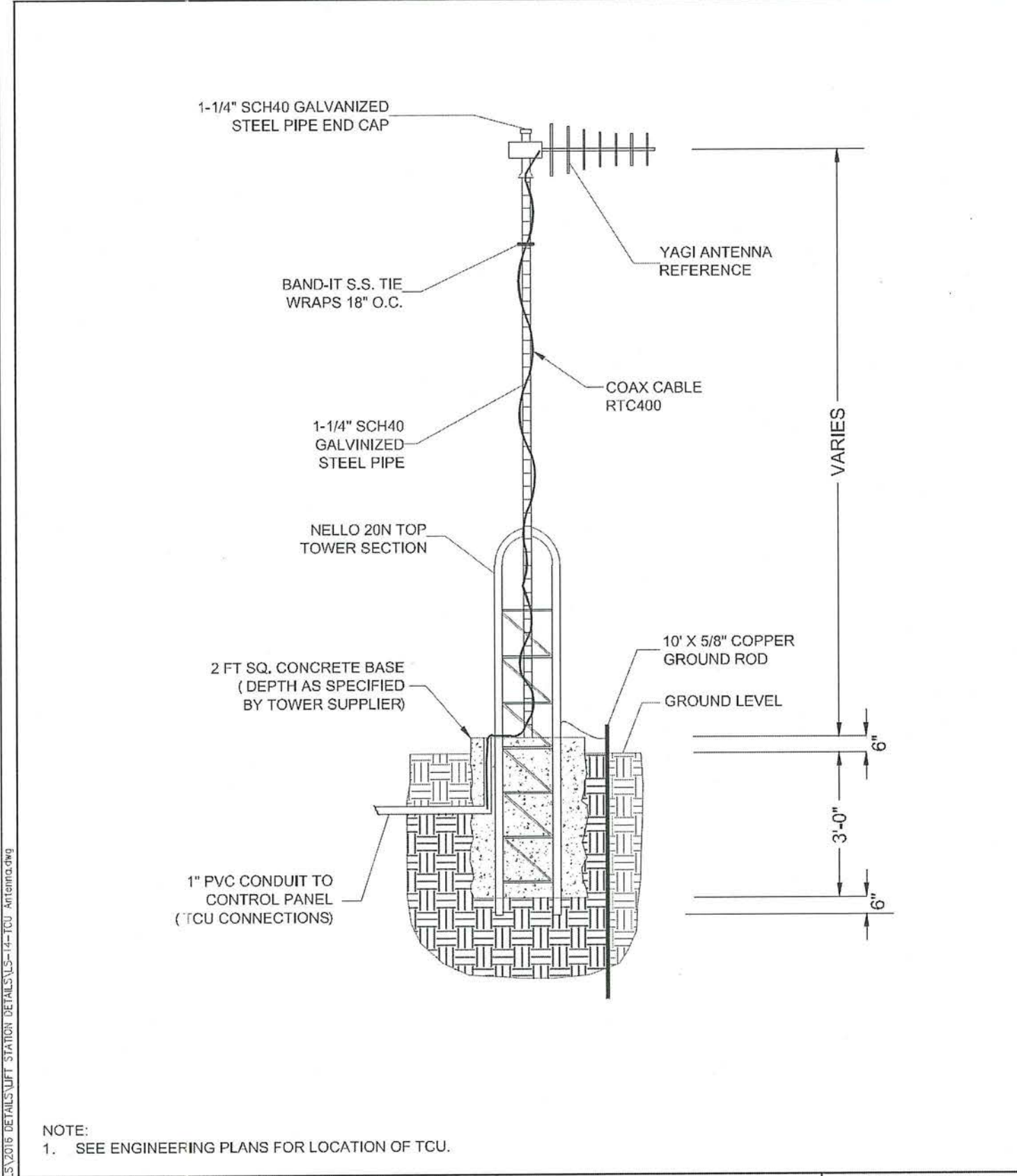
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CHARLOTTE COUNTY UTILITIES 25550 HARBOR VIEW RD. PORT CHARLOTTE FL 33980 PH: 941-764-4516 FAX: 941-764-4969							
BRUCE R. BULLERT LICENSE No. 68658 7/24/2020 STATE OF FLORIDA PROFESSIONAL ENGINEER							
DATE: 7/29/2020							
20-0002 - LS #2 CONWAY AREA FORCEMAIN AND WATERMAIN REPLACEMENT LS - DETAILS 1							
SHEET 6 OF 15							

BID SET



CONTROL PANEL LEGEND			
ITEM NO.	ABBREV.	PART	QUANTITY DESCRIPTION
1	ECB	EMERGENCY CIRCUIT BREAKER	1 SO-D FAL 3-POLE A
2	MCS	MAIN CIRCUIT BREAKER	1 SO-D FAL 3-POLE A
3	BPCB	BYPASS CONTROL CIRCUIT BREAKER	1 SO-D FAL 1-POLE 15 AMP
4	DRS	DRUPLEX RECEPTACLE W/OUT	1 SO-D FAL 1-POLE 15 AMP
5	CCB	CIRCUIT CIRCUIT BREAKER	1 SO-D FAL 1-POLE 15 AMP
6	MS 1	MOTOR STARTER	1 SO-D 8539 (SIZE)
7	MS 2	MOTOR STARTER	1 SO-D 8539 (SIZE)
8	FL	ALARM FLASHER RELAY	1 SSAC FS-126
9	GR	GENERATOR RECEPTACLE	1 PYLE NATIONAL JRE 4100
10	TCU		1 DATA FLOW SYSTEMS TELEMETRY UNIT
11	LA	LIGHTNING ARRESTER	1 SO-D 48P3850 650 V. 3PH
12		NOT USED	
13		NOT USED	
14	ETM 1	ELAPSED TIME METER	1 ETMAC 200-10N37 ROUND MOUNT
15	ETM 2	ELAPSED TIME METER	1 ETMAC 200-10N7 ROUND MOUNT
16	SS	SURGE SUPPRESSOR	1 EDOCO HSP - 121 RTIRM
17	CPT	CONTROL POWER TRANSFORMER	
18		NOT USED	
19	OL	OVERLOAD HEATER (IN PANEL)	1 SO-D
20	SF 1	SEAL FAL RELAY	1 DEVERIFIED SFM - 120 - AAB - 100K
21	SF 2	SEAL FAL RELAY	1 DEVERIFIED SFM - 120 - AAB - 100K
22	OCOB	CONTROL CIRCUIT BREAKER	1 SO-D FAL 3-POLE A (IF REQUIRED)
23	ASB	ALARM SILENCE BUTTON	1 SIEMENS-ALIS 35062-PTB10 OR SO-Q SKRHH13
24	MB 1	MOTOR BREAKER PUMP #1	1 SO-D FAL 3-POLE A
25	MB 2	MOTOR BREAKER PUMP #2	1 SO-D FAL 3-POLE A
26	SR 1	STARTER RELAY	1 DAYTON 8 - PN, 12V AC 5080 HZ #2525 W/ SOCKET 3 20592
27	BPR	BYPASS CONTROL RELAY	3 OMRON 14 PN NYNACH10125
28	SR 2	STARTER RELAY	1 DAYTON 8 - PN, 12V AC 5080 HZ #2525 W/ SOCKET 3 20592
29	HOA 1	HAND-OFF-AUTO SWITCH	1 SQUARE-D SWITCH CS80001 9K4343 CONTACT BLOCK CT19001A1 LEDGEN 900HN2GSP
30	MES	MAINTENANCE / ENTRY SWITCH	1 SPST SWITCH
31	FLR	FLUID REGULATOR	1 ROTO-FLOAT TYPE S, LIQUID LEVEL SENSOR
32	TR	TROUBLE LIGHT SWITCH-INT. & EXT.	1 SO-D 98K513X82 & KAI
33	TL	TL TROUBLE LIGHT	1 LEVITON 9850 (40 WATT BULB)
34	HOA 2	HAND-OFF-AUTO SWITCH	1 SQUARE-D SWITCH CS80001 9K4343 CONTACT BLOCK CT19001A1 LEDGEN 900HN2GSP
35	AL	ALARM LIGHT	1 INCOMAR LRU-40 or OHM ELECTRIC LR-3K
36	AH 1	ALARM HORN	1 ALA-875-MS EDWARDS 120V
37	AH 2	ALARM HORN	1 ALA-875-MS EDWARDS 12V
38	TB 3	TERMINAL BLOCK #3	1 SO-D 98364 4 PT
39	TB5	TERMINAL BLOCK #5	1 SO-D 98364 12 PT
40	GRF	GROUND FAULT / DUPLEX RECEPTACLE	1 15 AMP GROUND HART OR LEVITON
41	BP	POWER BLOCK	1 BUSMAN B 16021-3
42	TB 4	TERMINAL BLOCK #4	1 SO-D 98364 4 PT
43	TB 2	TERMINAL BLOCK #2 (RTU)	1 SUPPLIED BY DPS
44	TB 1	TERMINAL BLOCK #1	1 SO-D 98364 33 PT
45	BATT	BATTERY	
46		DOOR BAR W/IN RESTRAINT	1
47	NB	NEUTRAL BLOCK	1 GB-1 WEIDMULLER
48	BUAC	BATTERY BACKUP MODULE	
49	MC	MOUNTING CHANNEL	1 SO-D 98080H112
50	XFMA	TRANSFORMER	1 MICRON, 3100V,174K

CONTROL PANEL MOUNTING NOTES	
A. THE CONTROL PANEL ENCLOSURE SHALL HAVE A PAD LOCKABLE HASP AND A THREE PO INT LATCH SYSTEM AND WIND RESTRAINER ARM THAT INCLUDES HARDWARE TO RESTRA IN THE DEAD FRONT DOOR WHEN OPENED. THE HASP AND HARDWARE SHALL BE TYPE 316 STAINLESS STEEL.	
B. TWO (2) 4 INCH DIAMETER SCHEDULE 80 ALUMINUM PIPES WITH 4 INCH WELDED ALUMINUM CAPS SHALL BE ANCHORED IN CONCRETE FROM 3 INCHES BELOW THE BOTTOM OF THE PIPE TO 12 INCHES BELOW THE FINISHED GRADE.	
C. THREE (3) "E"V" EXPLOSION PROOF CLASS 1 SEAL-OFF 2 INCH DIAMETER SEAL WITH NON-HARDENING CONDUIT SEALANT AS APPROVED BY THE MANUFACTURER FOR A TEMPORARY SEAL.	
D. THE ALUMINUM PIPES SHALL INCLUDE TYPE 316 STAINLESS STEEL 1-1/8 INCH CHANNEL STRUT C/W TYPE 316 STAINLESS STEEL DISSIMILAR METALS SHALL BE ISOLATED WITH RUBBER GASKETS.	
E. PLASTIC WARNING LABEL STATING "DANGER HIGH VOLTAGE" SHALL BE INSTALLED ON THE OUTSIDE OF THE ENCLOSURE DOOR AND BE SECURED TO THE DOOR WITH ADHESIVE OR CEMENT.	
F. TWO (2) INCH CONDUIT AND WIRING BETWEEN THE FPL METER CAN AND THE SAFETY DISCONNECT PANEL. AND THE CONTROL PANEL.	
G. UNDERGROUND SCH 80 CONDUIT AND WIRING BETWEEN THE FPL METER CAN AND THE FPL HAND HOLE.	
H. FUSED SAFETY DISCONNECT IN A NEMA 4X ENCLOSURE WITH A LOCKING PLATE. INSTALL AN EXTERNAL LIGHTING ARRESTOR. POWER FROM THE CONTROL PANEL SHALL EXIT THE ENCLOSURE FROM THE UNDERSIDE.	
I. THREE (3) 2" CONDUIT AND WIRING BETWEEN THE MCC AND THE WETWELL. FROM THE TOP OF THE SWEEP TO THE MCC SHALL PVC SCH 80 ELECTRICAL GRADE AND FROM THE TOP OF THE SWEEP TO THE INSIDE OF THE WETWELL SHALL BE SCHEDULE 80 PVC.	
J. 3/4" GALVANIZED STEEL PIPE WITH TWO (2) 90 DEGREE BENDS TO THE BACKFLOW PREVENTION DEVICE AND THE HOSE BIB.	
K. 3/4" POLYETHYLENE PIPING FROM THE WATER METER AND THE WATER SERVICE.	NOTE: WATER SERVICE SHALL BE BRASS INSTEAD OF GALVANIZED.
L. CONCRETE SLAB.	
M. WORM DRIVE CLAMPS. (3 MINIMUM)	
N. ONE (1) NUMBER 6 WIRE GROUND IN 3/4" SCHEDULE 80 PVC.	
O. GROUND ROD.	
P. SHARED RIGID TYPE 316 STAINLESS STEEL CONDUIT SIZED AS REQUIRED BY FULL LOAD AMPERAGE.	
Q. CAST ALUMINUM TYPE LB FITTING WITH ALUMINUM GIP.	
R. HEAVY DUTY MECHANICAL INTERLOCK FOR EMERGENCY POWER TRANSFER.	
S. PANDUIT TO BE FILLED TO ONLY 50% CAPACITY.	
T. IF REQUIRED, ONE (1) INCH PVC AND TYPE 316 STAINLESS STEEL CONDUIT BETWEEN THE CONTROL PANEL AND THE TCU CONTROL PANEL ENCLOSURE, THE AREA LIGHT, THE STAND BY GENERATOR, AND/OR THE DOOR CONTROL IN ACCORDANCE WITH THE ENGINEERING DRAWINGS.	
U. ALL INTERNAL MCC WIRING SHALL BE STRANDED WIRE AND PERMANENTLY NUMBERED.	
V. PLASTIC LIFT STATION LABEL AND POCKET FOR CLIP BOARD, PROVIDED AND INSTALLED BY THE CONTRACTOR ON THE BACK OF THE CONTROL PANEL ENCLOSURE DOOR USING AN ADHESIVE OR CEMENT.	



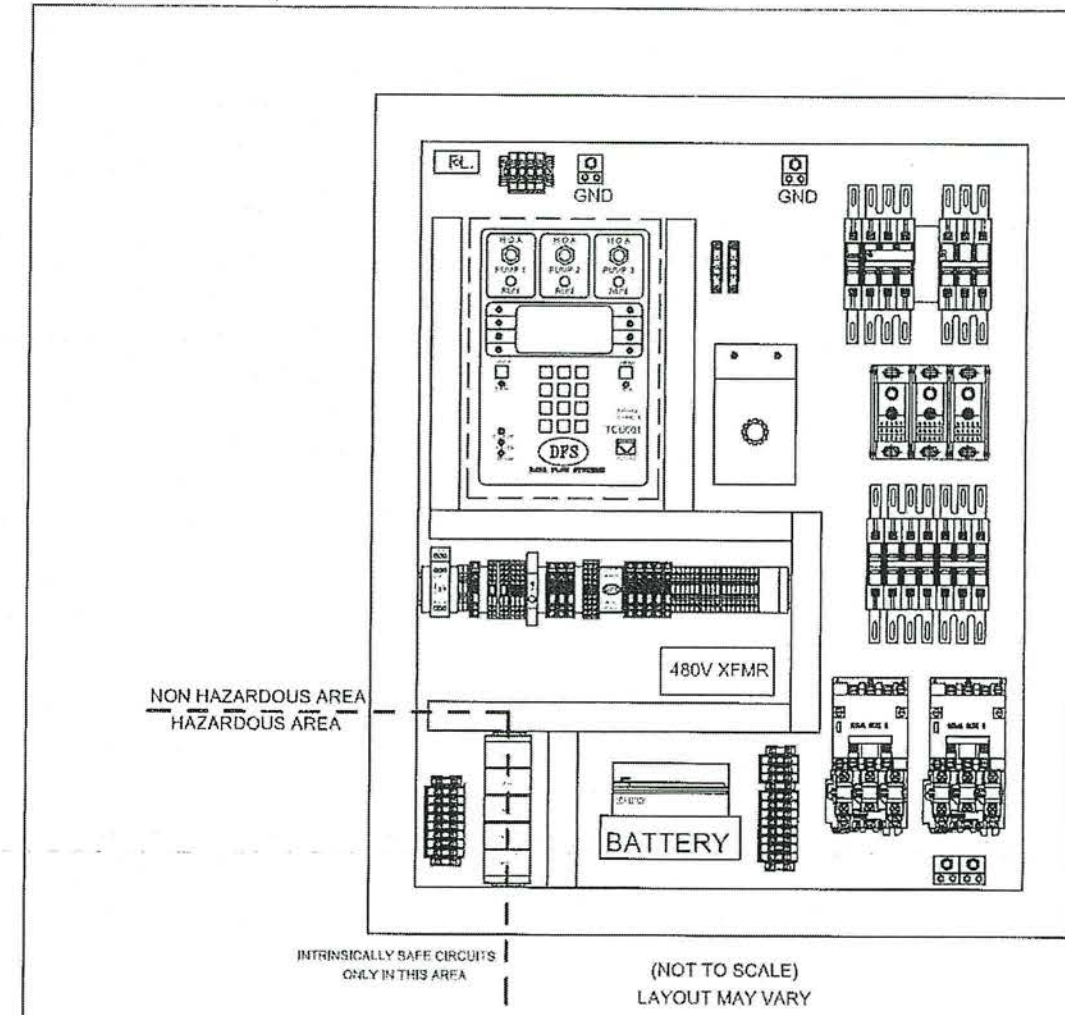
16	CONTROL PANEL LEGEND LIFT STATION DETAIL CHARLOTTE COUNTY UTILITIES	PROVIDED FOR INFORMATION PURPOSES ONLY NO MODIFICATIONS WITHOUT WRITTEN CCU APPROVAL.
C		LS-11
BRB		ID: LS-11-Control Panel Legend.dwg

DATE: 07/01/2016	CONTROL PANEL MOUNTING NOTES LIFT STATION DETAIL CHARLOTTE COUNTY UTILITIES	PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN CCU APPROVAL.
DRAWN BY: KBC		LS-12
APPROVED BY: BRB		ID: LS-12-Control Panel Notes.dwg

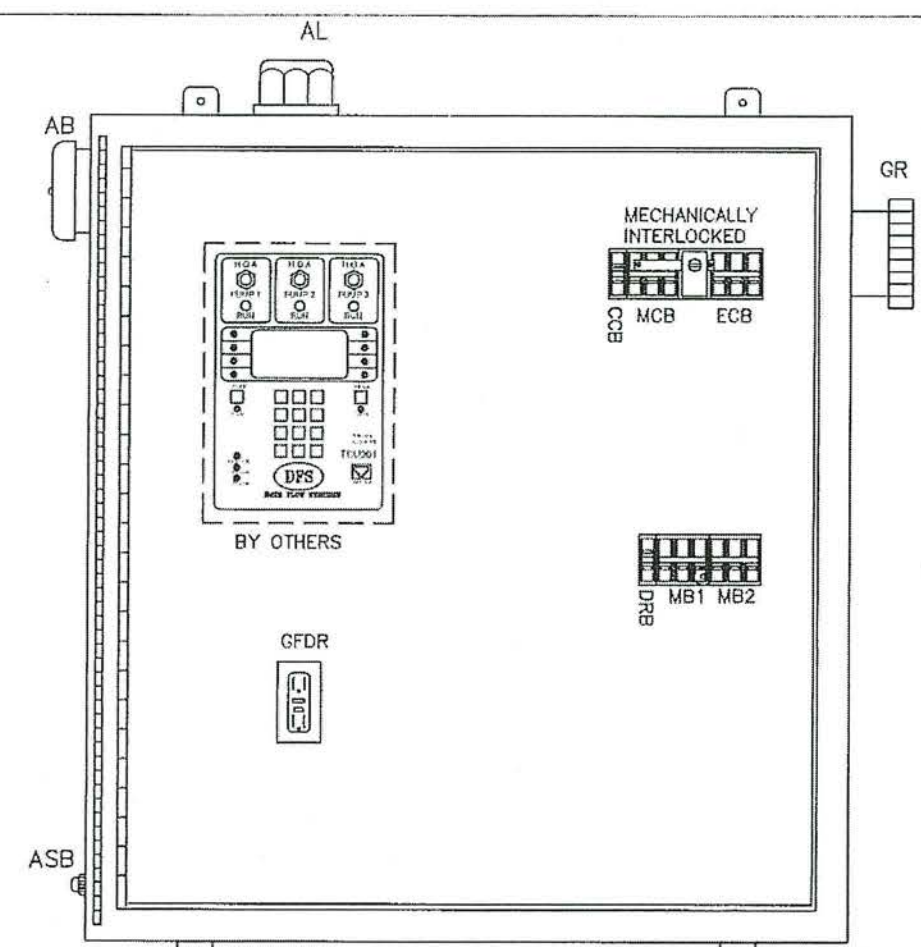
DATE: 7/01/2016	TCU ANTENNA LIFT STATION DETAIL CHARLOTTE COUNTY UTILITIES	PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN CCU APPROVAL.
DRAWN BY: KBC		LS-14
APPROVED BY: BRB		ID: LS-14-TCU Antenna.dwg

DATE: 07-01-2016 DRAWN BY: KBC APPROVED BY: BRB	YARD LIGHT LIFT STATION DETAIL		PROVIDED FOR INFORMATIONAL PURPOSES ONLY. NO MODIFICATIONS WITHOUT WRITTEN CCU APPROVAL.
	CHARLOTTE COUNTY UTILITIES		LS-13
			R: LS-13 - Yard Light.dwg

DATE: 06/11/2012
DRAWN BY: J. BULL
CHECKED BY: J. BULL
DESIGNED BY: J. BULL
PROJECT: 20-0002 - LS #2 DALTON AREA
SHEET: 8 of 17
USER: c:\data\jrb\20-0002 - LS #2 DALTON AREA\20-0002 - LS #2 DALTON AREA.dwg
PLOT DATE: 06/11/2012
PLOT TIME: 11:18 AM
PLOT SCALE: 1/8" = 1'-0"



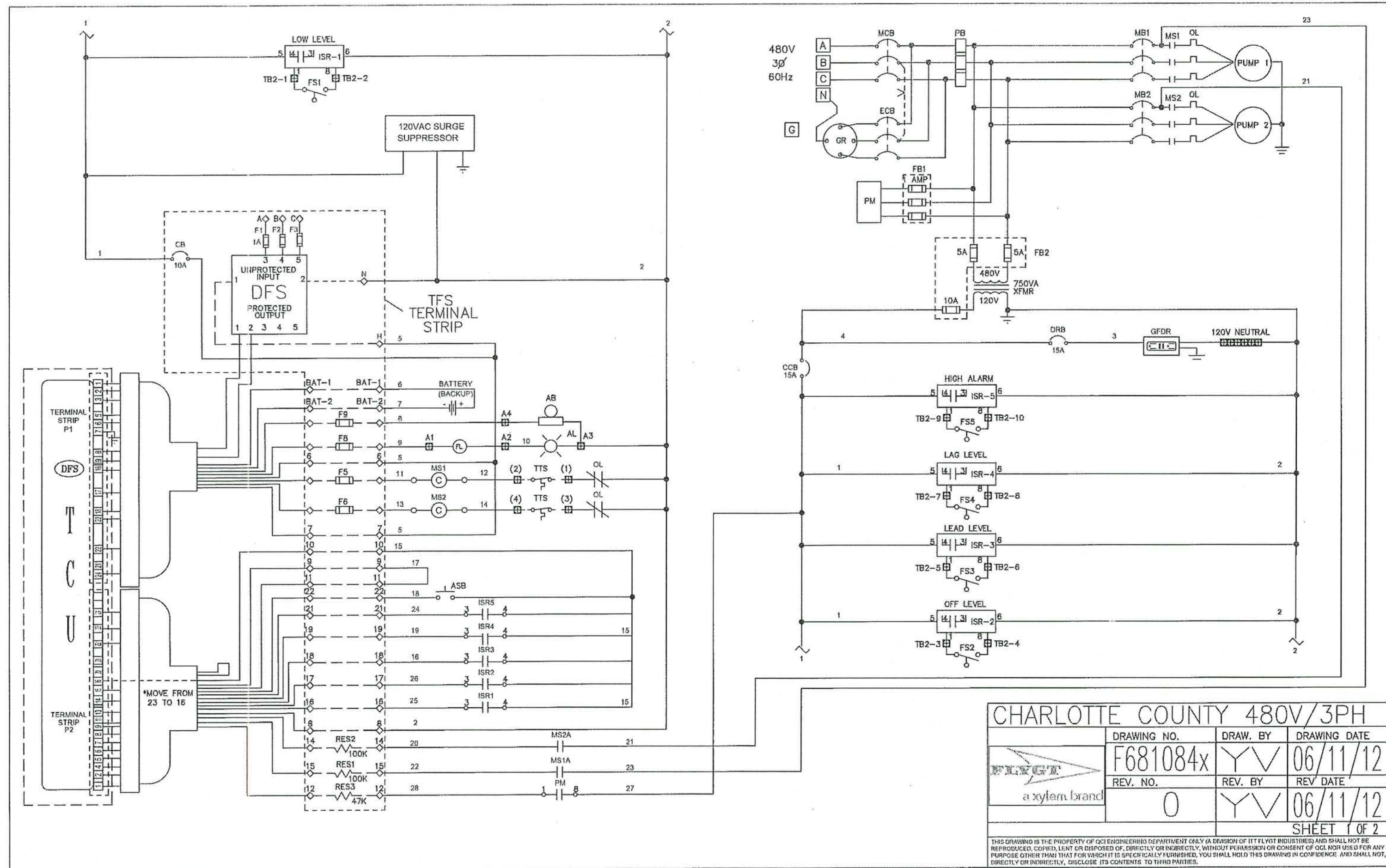
LEGEND
AL - ALARM LIGHT
CCB - CONTROL CIRCUIT BREAKER
DB - DUPLEX RECEPTACLE BREAKER
F - FUSE
FB - FUSE BLOCK
FR - FLOAT REGULATOR
G - GROUND FAULT DUPEX RECEPTACLE
GR - GENERATOR RECEPTACLE
MS - MOTOR BREAKER
MCB - MAIN CIRCUIT BREAKER/SERVICE DISCONNECT
PCU - PUMP CONTROL UNIT
SA - SURGE ARRESTOR
TB - TERMINAL BLOCK
TL - TROUBLE LIGHT (FLUORESCENT)
TTS - THERMAL TERMINAL STRIP



OUTER DOOR REMOVED TO SHOW DEADFRONT LAYOUT
NEMA TYPE 3B S.S. ENCLOSURE WITH COAT. MINCO
ALL HARDWARE TYPE 304 S.S.
TYPICAL, ACTUAL LAYOUT MAY VARY WITH HORSEPOWER

CHARLOTTE COUNTY 480V/3PH			
DRAWING NO.	DRAW. BY	DRAWING DATE	
F681084x	YV	06/11/12	
REV. NO.	REV. BY	REV. DATE	
0	YV	06/11/12	
SHEET 2 OF 2			

THIS DRAWING IS THE PROPERTY OF JCB ENGINEERING. IT IS TO BE USED ONLY FOR THE PROJECT AND SHALL NOT BE REPRODUCED, COPIED, OR IN ANY MANNER, WITHOUT PERMISSION OR CONSENT OF JCB ENGINEERING. ANY REPRODUCTION OR USE FOR ANY OTHER PROJECT WITHOUT THE WRITTEN PERMISSION OF JCB ENGINEERING IS STRICTLY PROHIBITED. ANY VIOLATION OF THIS AGREEMENT SHALL BE CONSIDERED A BREACH OF CONTRACT AND SHALL BE SUBJECT TO LITIGATION. JCB ENGINEERING SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE, LOSS, OR INJURY, DIRECTLY OR INDIRECTLY, ARISING FROM THE USE OF THIS DRAWING. ANY SUCH DAMAGE, LOSS, OR INJURY SHALL BE THE SOLE RESPONSIBILITY OF THE USER. JCB ENGINEERING SHALL NOT BE RESPONSIBLE FOR ANY DAMAGE, LOSS, OR INJURY, DIRECTLY OR INDIRECTLY, ARISING FROM THE USE OF THIS DRAWING. ANY SUCH DAMAGE, LOSS, OR INJURY SHALL BE THE SOLE RESPONSIBILITY OF THE USER.



CHARLOTTE COUNTY 480V/3PH			
DRAWING NO.	DRAW. BY	DRAWING DATE	
F681084x	YV	06/11/12	
REV. NO.	REV. BY	REV. DATE	
0	YV	06/11/12	
SHEET 2 OF 2			

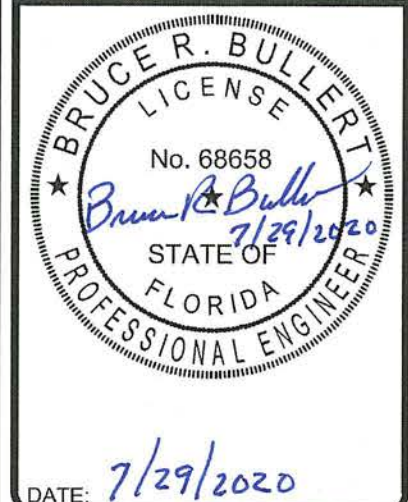
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DESIGNED BY: KS		OWN BY: DEC		FILE NUMBER	
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DATE: 20/04/2011		FILE LOCATION: 2-Auto Cad R141/Templates/Drawing		2016_CCU-FIELD TO FINISH	
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DATE: 20/04/2011		SCALE: 1/8" = 1'-0"		2016_CCU-FIELD TO FINISH	
DATE: 20/04/2011		FILE LOCATION: 2-Auto Cad R141/Templates/Drawing		2016_CCU-FIELD TO FINISH	
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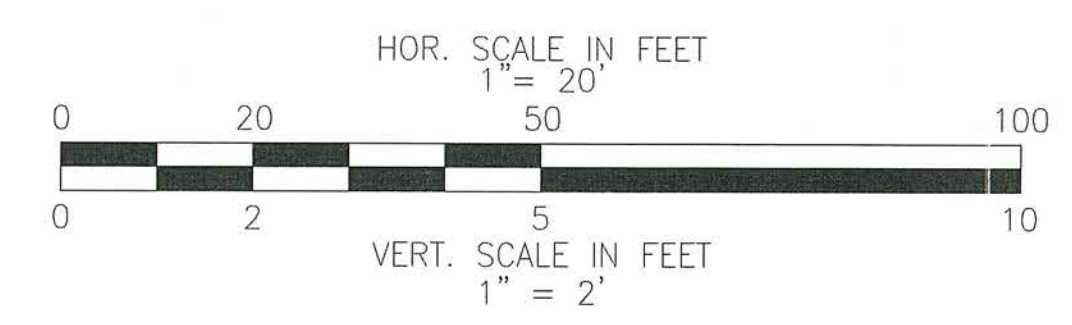
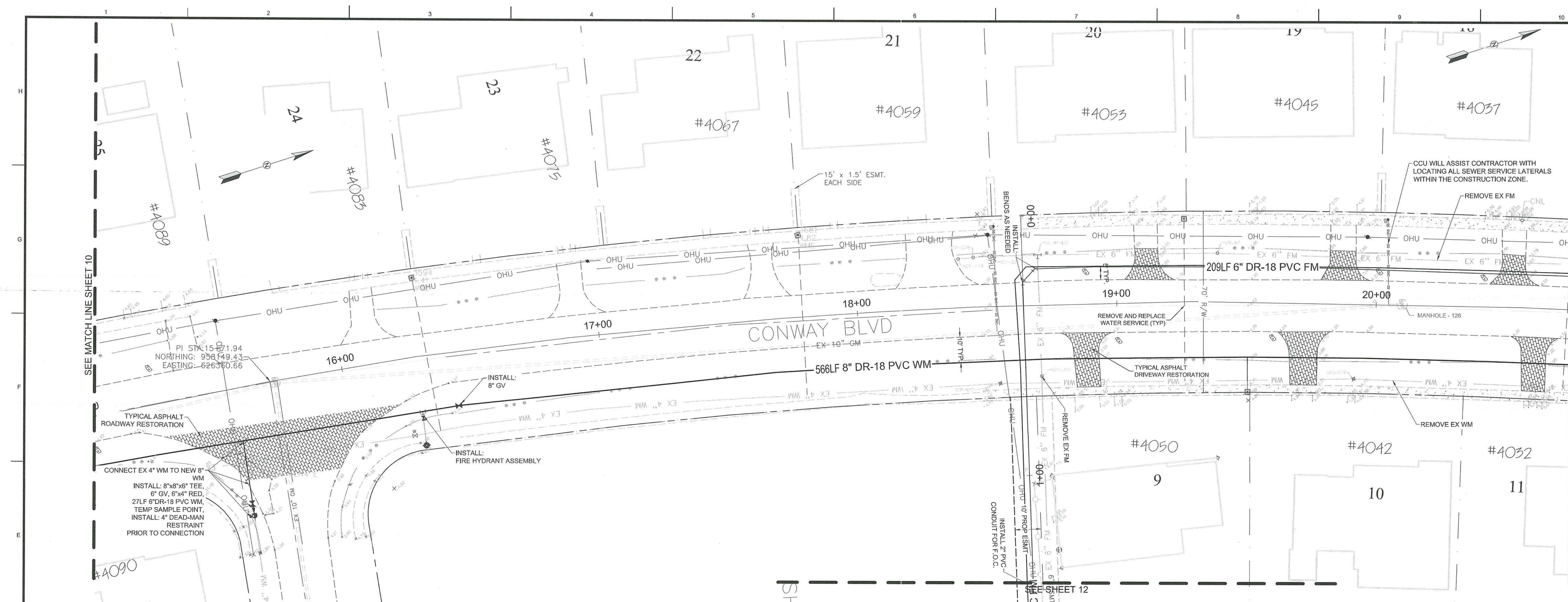
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BID SET



20-0002 - L.S. #2 CONWAY AREA
FORCEMAIN AND WATERMAIN
REPLACEMENT
WATER MAIN PLAN 1

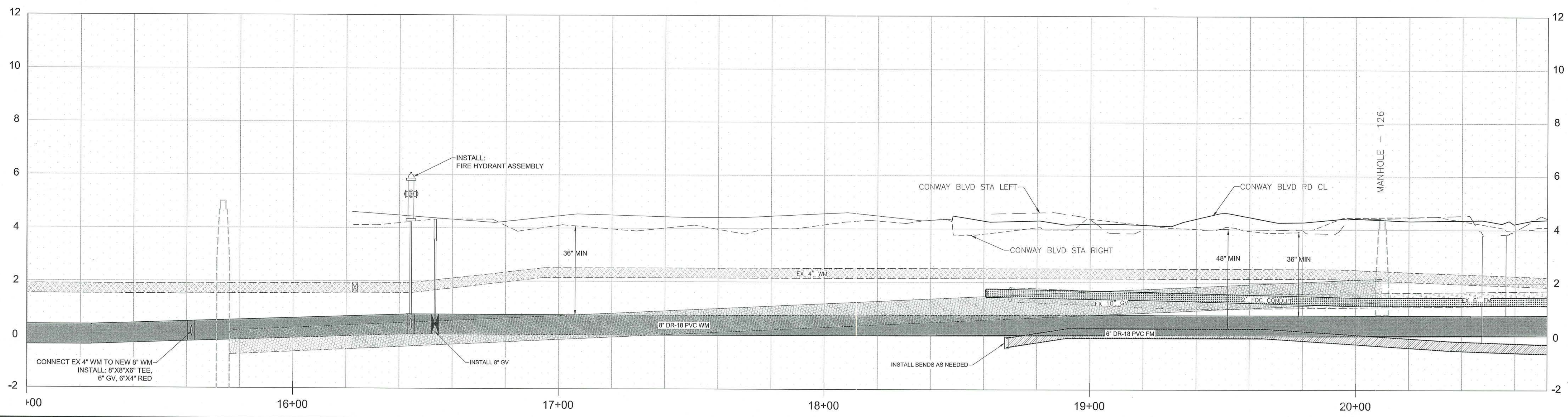
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 XREFS: EX-JUTILIES
 BASE ALIGNMENTS
 USER: calid
 20-003B SITE & GRADING
 16-003B m. 2 survey
 BASE_4
 IMAGES: Characters, County logo, UTILIES, Color072a2d6e.png



CCU WILL ASSIST
CONTRACTOR WITH
LOCATING ALL SEWER
SERVICE LATERALS WITHIN
THE CONSTRUCTION ZONE.

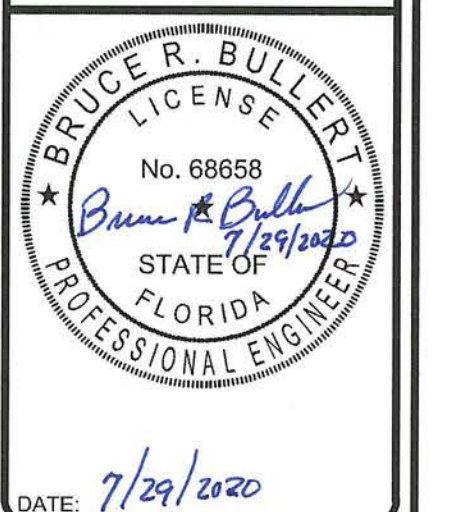
BID SET

CONWAY BLVD PROFILE- STA: 15+00 to 20+72



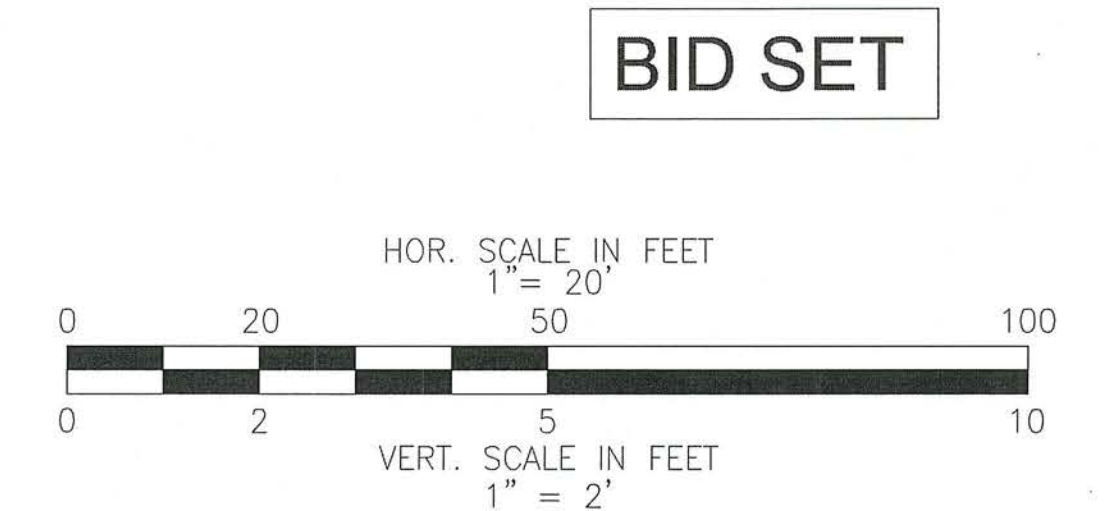
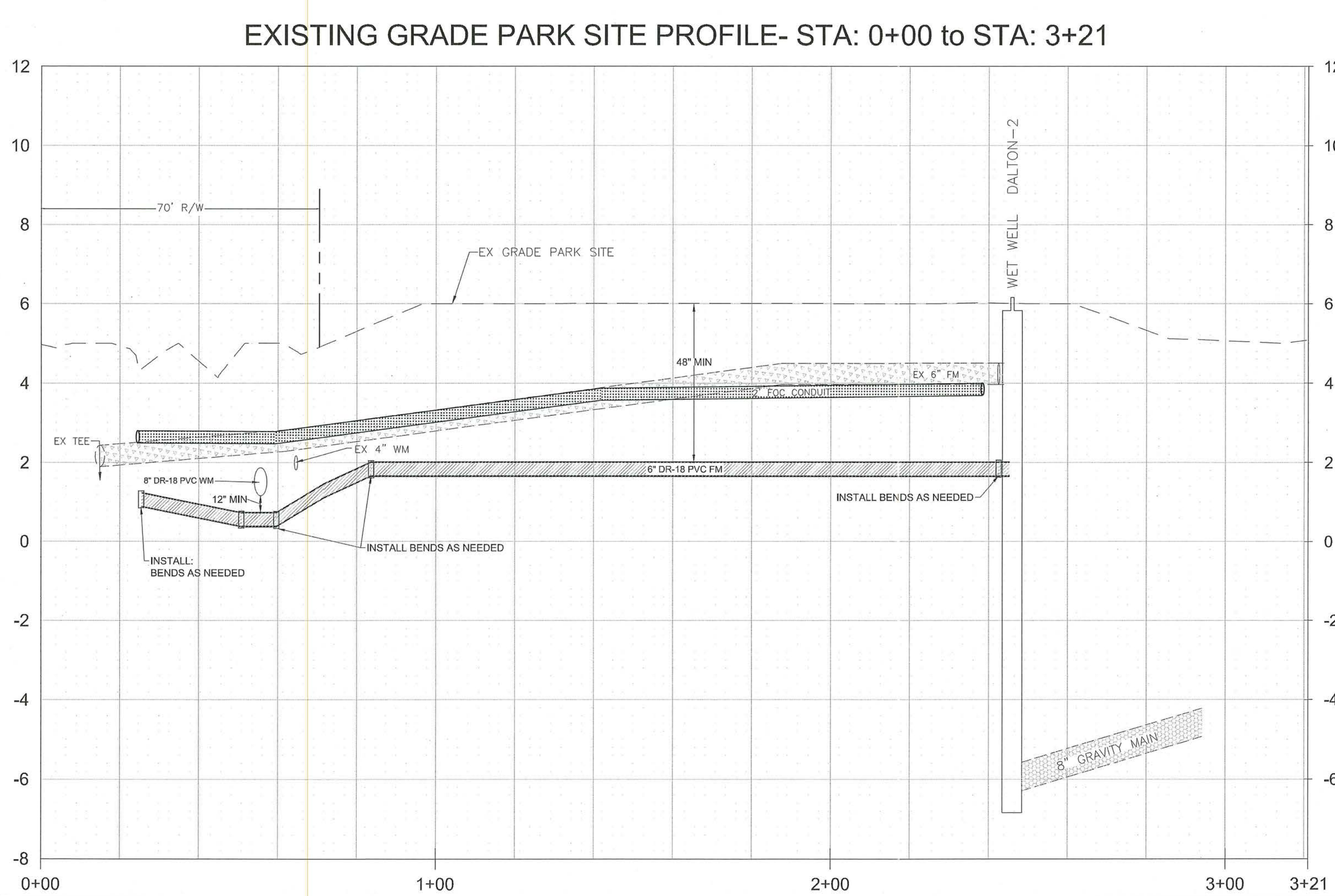
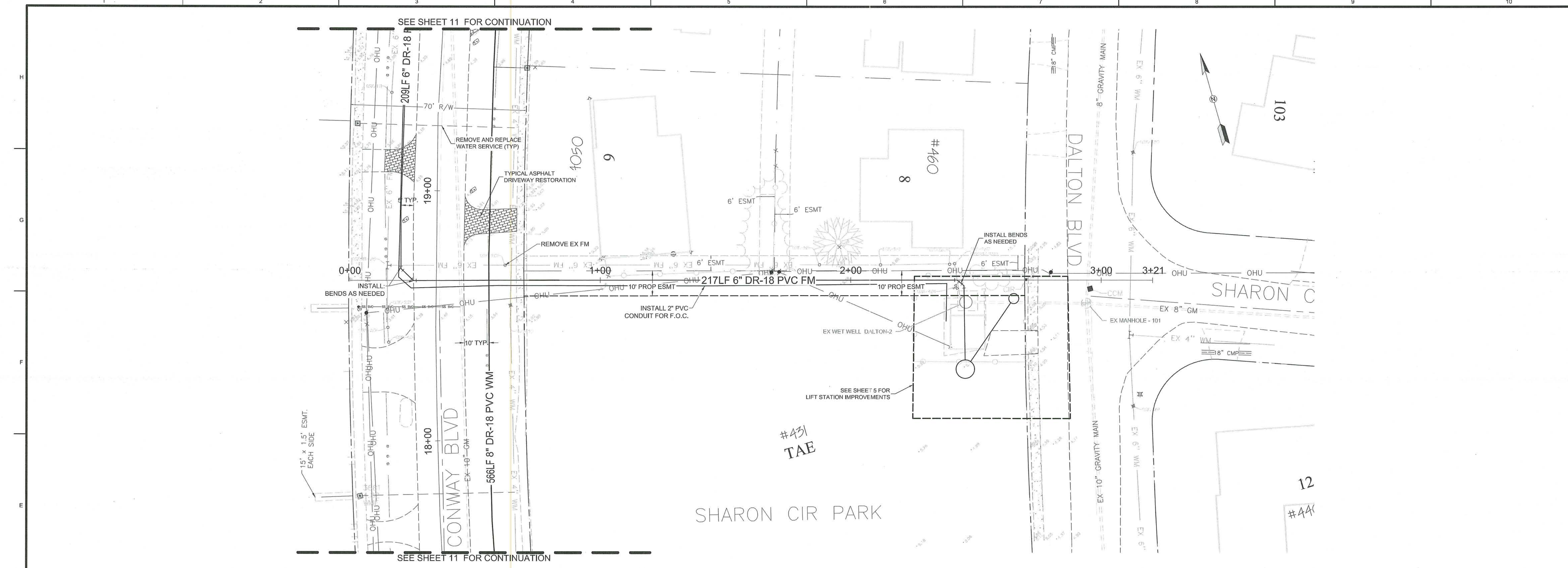
DESIGNED BY:	DEC	DWN BY:	DEC	CHK BY:	MS
DATE:	2020-07-27	SHEET:	S22.23.27-1405-R22E	PROJECT NO.:	20-0002 - L.S. #2
DATUM:	NAVD 1988	SCALE:	1" = 20'	PLOT DATE:	2020-07-27 9:47 AM
BY: CCU WILL ASSIST CONTRACTOR WITH LOCATING ALL SEWER SERVICE LATERALS WITHIN THE CONSTRUCTION ZONE.					
FILE NUMBER: 20-0002 - F.M. WL Conway V2.dwg					
SIZE: ARCH full bleed D (36.00 x 24.00)					

CHARLOTTE COUNTY UTILITIES
25550 HARBOR VIEW RD.
PORT CHARLOTTE FL 33980
PH: 941-764-4516
FAX: 941-764-4969



20-0002 - L.S. #2 CONWAY AREA
FORCEMAIN AND WATERMAIN
REPLACEMENT
PLAN AND PROFILE

C:\Users\jordan\OneDrive\Documents\20-0002_FML_WML_Conway\20-0002_FML_WML_Conway.dwg
DATE: 7/29/2020
DESIGNED BY: KS
DWN BY: DEC
CHK BY: BRB
PROJECT NO.: 20-0002 - LS #2
SHEET NO.: 12 OF 15
DATE: 7/29/2020
SCALE: 1" = 20'
PLOT DATE: 7/29/2020
FILE LOCATION: Z:\AutoCAD\Projects\20-0002_FML_WML_Conway\20-0002_FML_WML_Conway.dwg
FILE NAME: 20-0002_FML_WML_Conway.dwg
SIZE: 39.00 x 24.00 inches

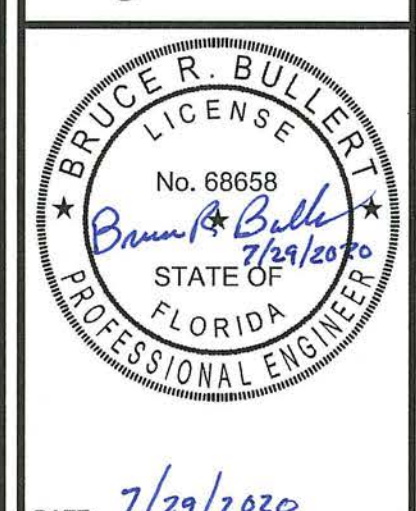


CCU WILL ASSIST
CONTRACTOR WITH
LOCATING ALL SEWER
SERVICE LATERALS WITHIN
THE CONSTRUCTION ZONE.



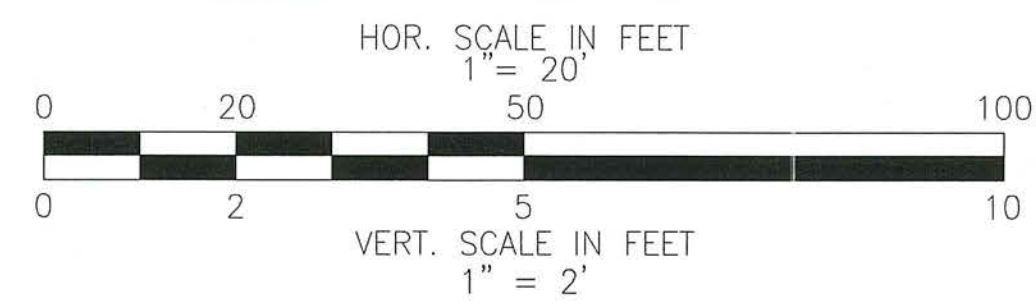
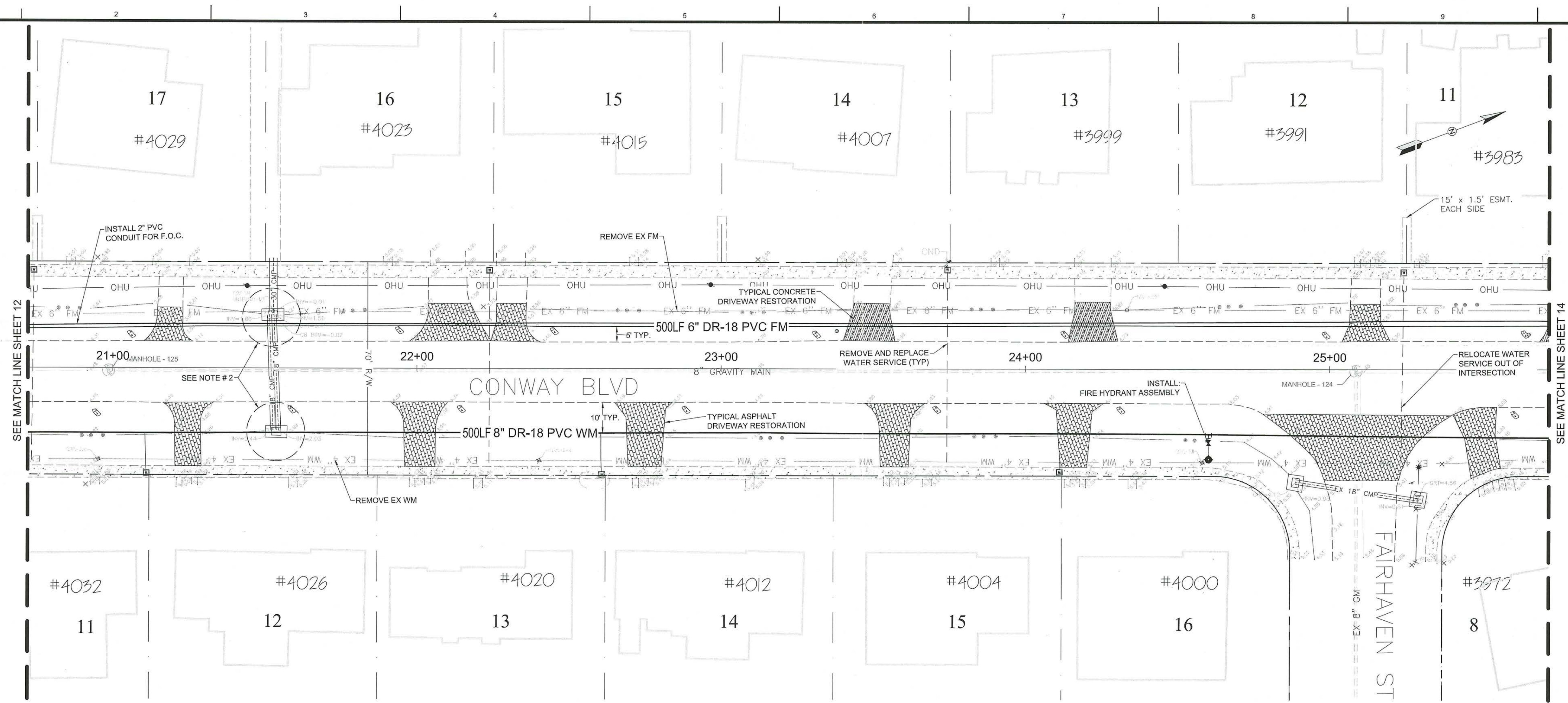
DESIGNED BY:	DWN BY:	CHK BY:	PROJECT NO.:	DATE:
KS	DEC	BRB	20-0002 - LS #2	7/29/2020
DATE:	7/29/2020	7/29/2020	7/29/2020	7/29/2020
SCALE:	1" = 20'	1" = 20'	1" = 20'	1" = 20'
FILE LOCATION:	Z:\AutoCAD\Projects\20-0002_FML_WML_Conway\20-0002_FML_WML_Conway.dwg			
FILE NAME:	20-0002_FML_WML_Conway.dwg			
SIZE:	39.00 x 24.00 inches			

CHARLOTTE COUNTY UTILITIES
25550 HARBOR VIEW RD.
PORT CHARLOTTE FL 33980
PH: 941-764-4516
FAX: 941-764-4969



20-0002 - LS #2 CONWAY AREA
FORCEMAIN AND WATERMAIN
REPLACEMENT
PLAN AND PROFILE

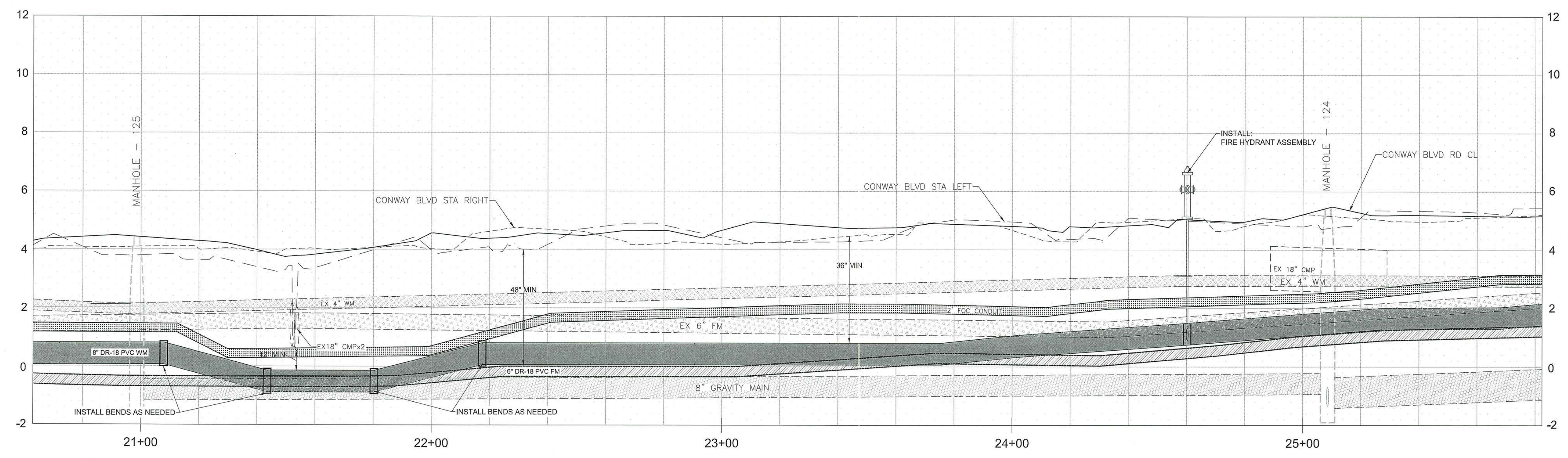
SHEET
12 OF 15



BID SET

CCU WILL ASSIST
CONTRACTOR WITH
LOCATING ALL SEWER
SERVICE LATERALS WITHIN
THE CONSTRUCTION ZONE.

CONWAY BLVD PROFILE- STA: 20+72 to 25+71



DESIGNED BY: DEC	DWN BY: DEC	CDD BY: KS			
S.F.G	PROJECT NO.				
322.23.27.74US-R22E	20-0002 - LS #2				
DATE: 2020-07-27	SCALE: 1" = 20'	DATE			
	2020-07-27 9:47 AM				
NAD 1988					
UTM 18N UTM Zone 18N, UTM Spheroid					
R+CURRENT PROJECTS - ACTIVE 2020-00-0002 Lift Station 2 Dallon					
Rehabilitation/CAD/Production Drawings - FM WMI					
FILE NUMBER			20-0002_FH_WMI_Conveying_V2.dwg		
SIZE: ARCH full bleed D			36.00 x 24.00		
DESCRIPTION			DATE		
BY					

CHARLOTTE COUNTY UTILITIES
25550 HARBOR VIEW RD.
PORT CHARLOTTE FL 33980
PH: 941-764-4516
FAX: 941-764-4969



20-0002 - LS. #2 CONWAY AREA
FORCEMAIN AND WATERMAIN
REPLACEMENT
PLAN AND PROFILE

