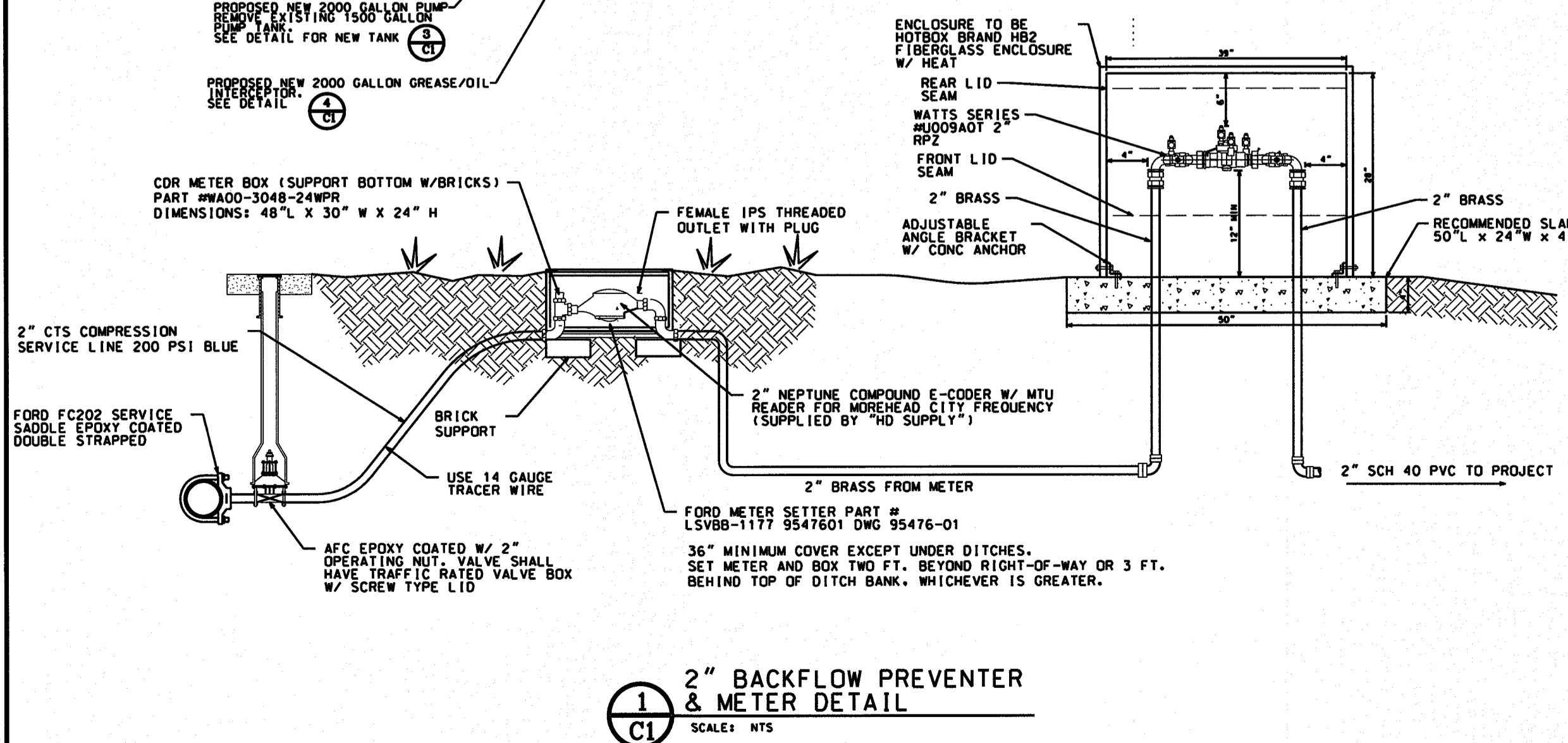
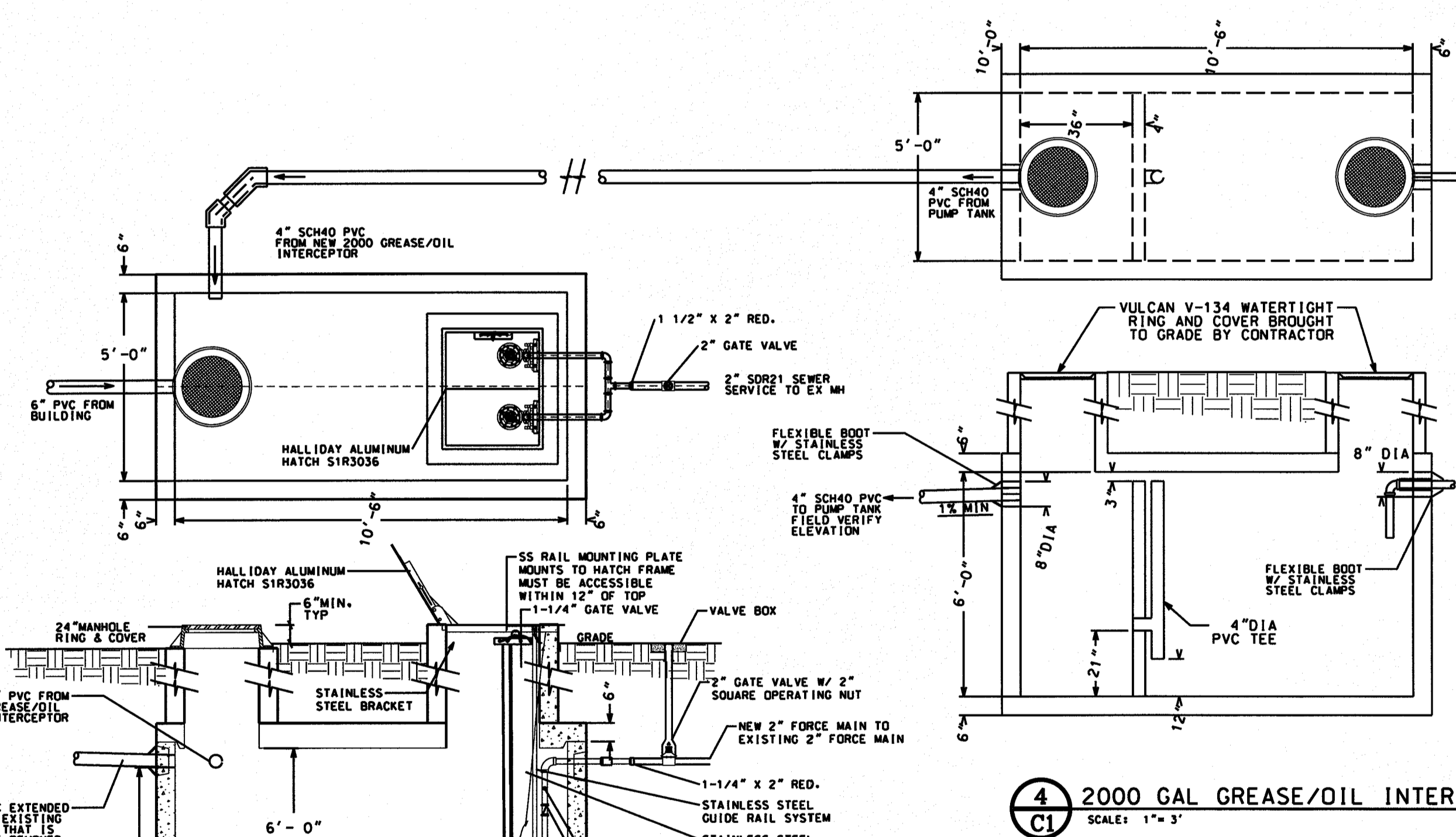
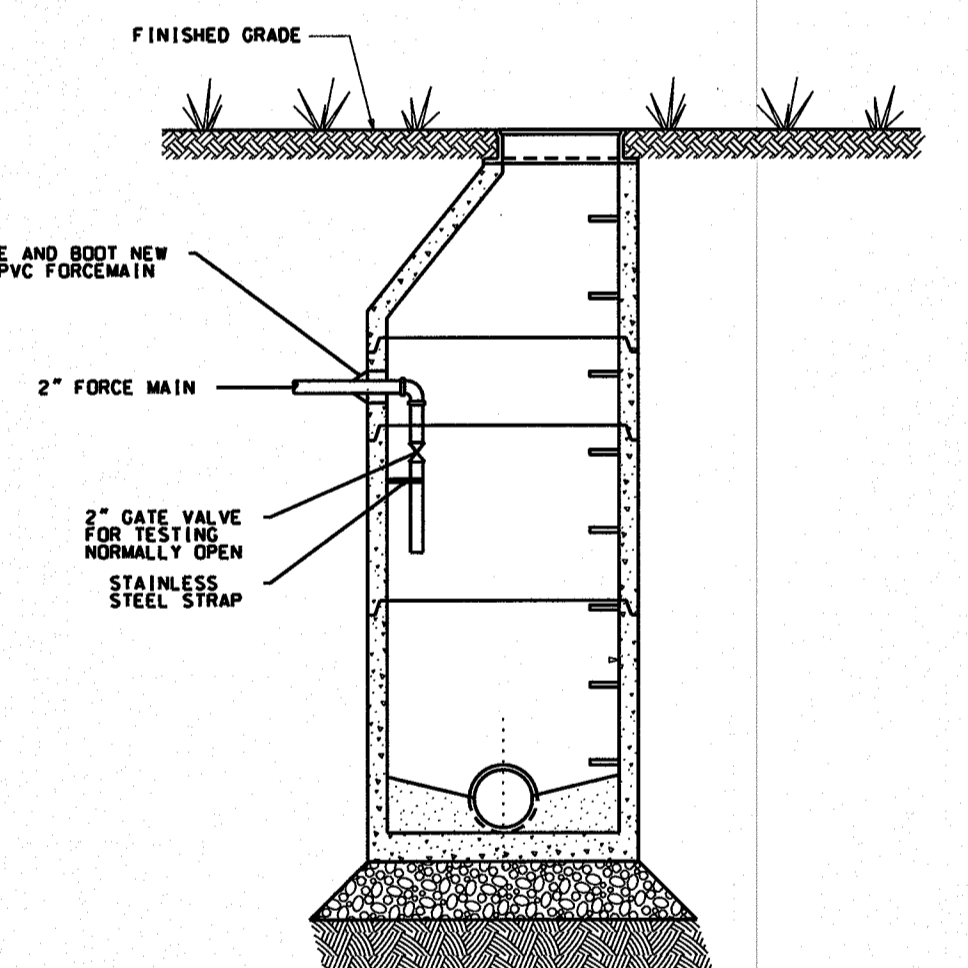
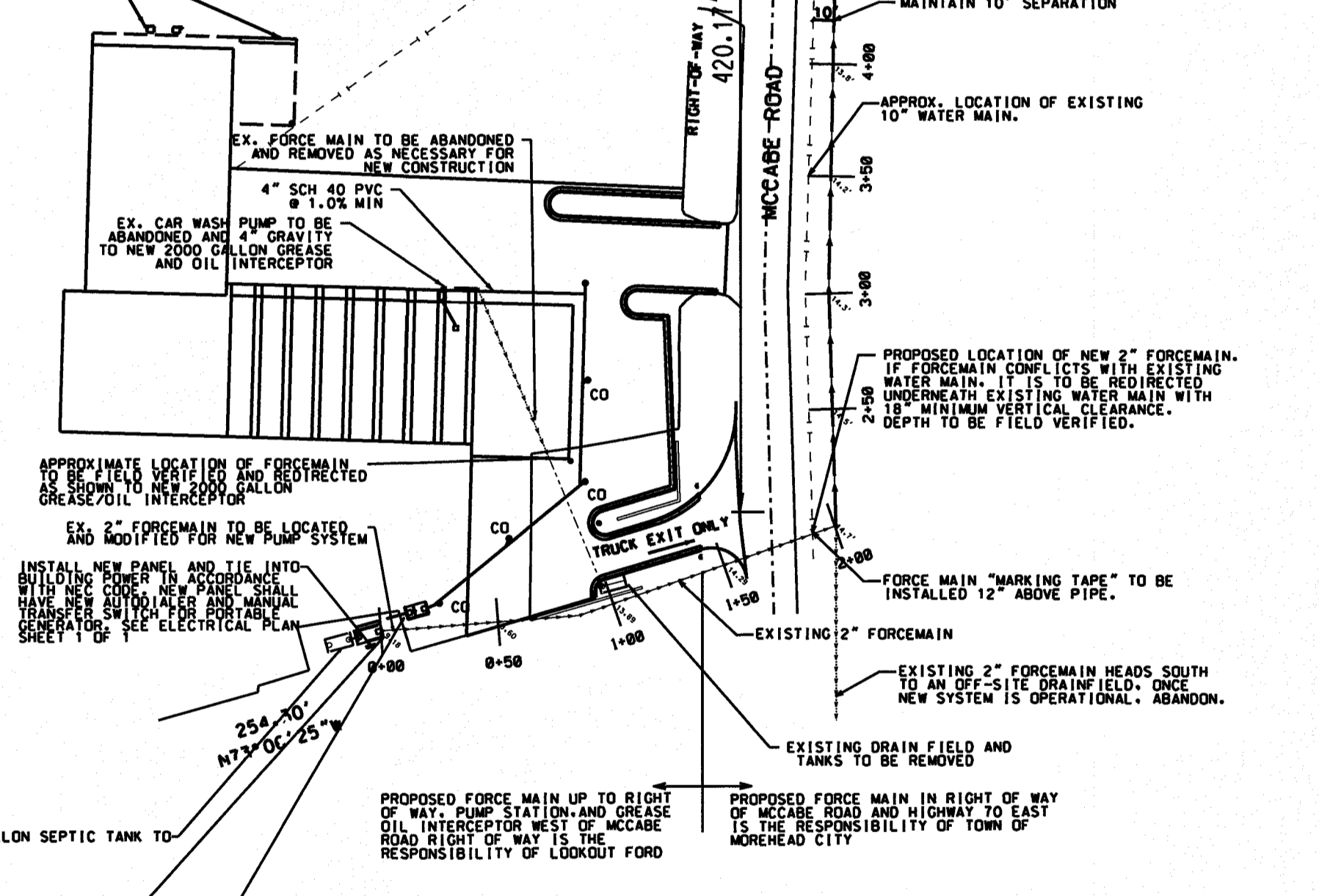
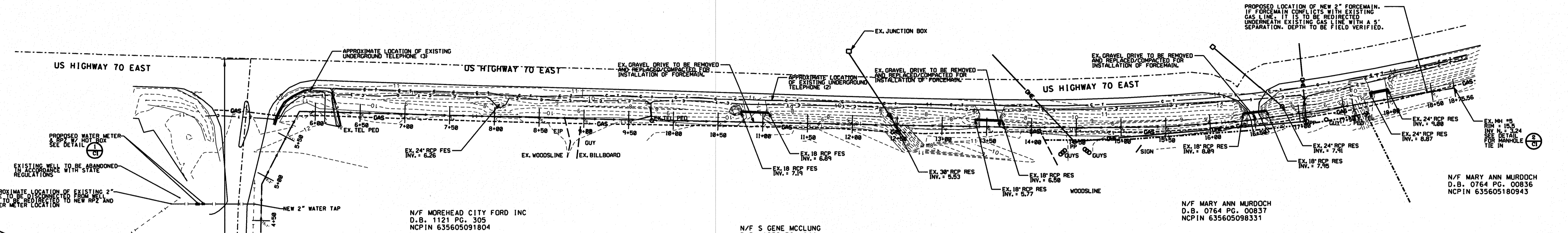
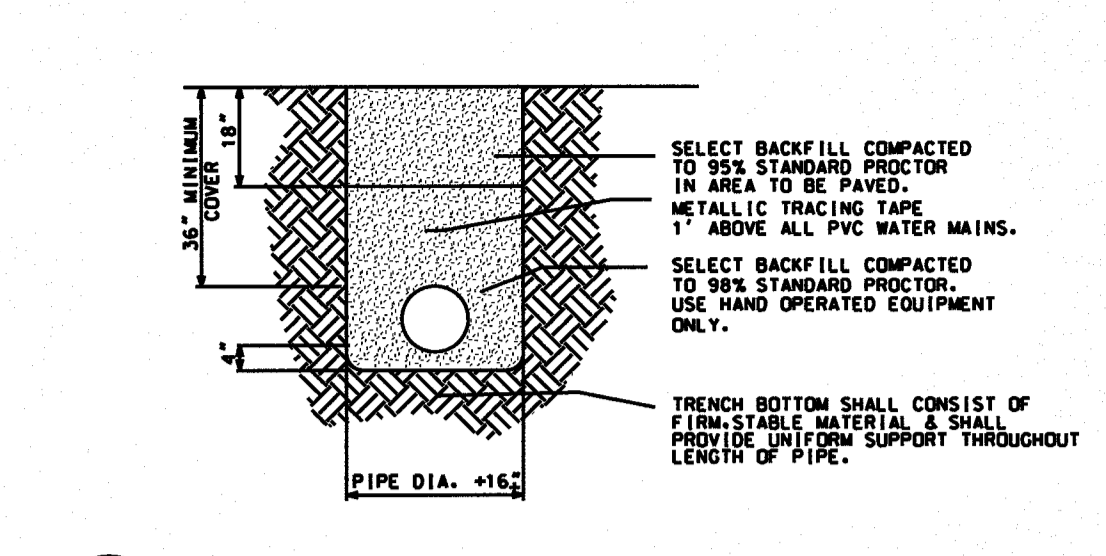
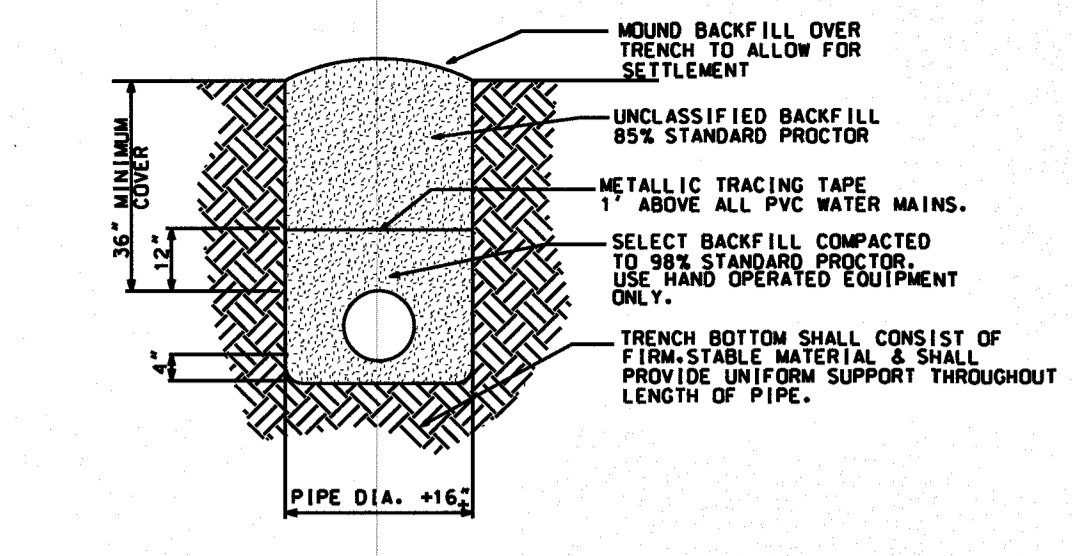
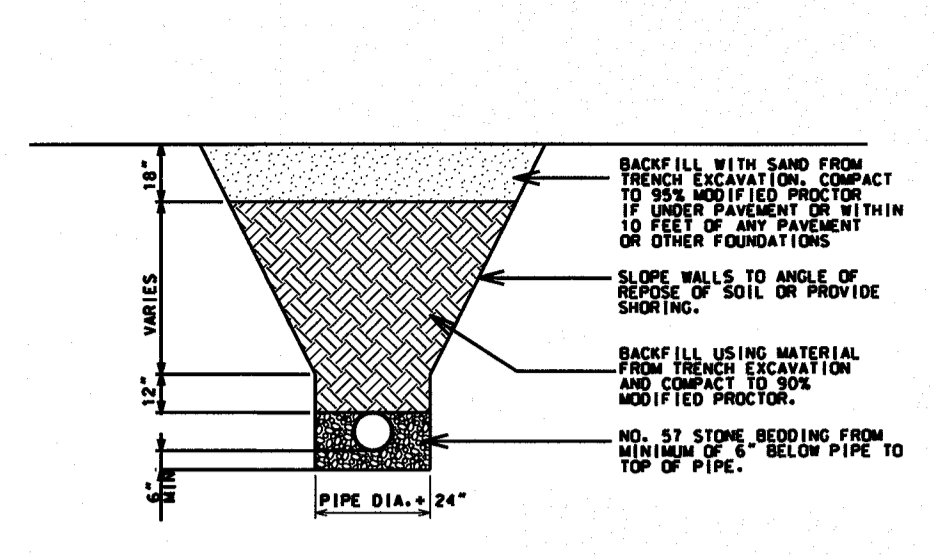


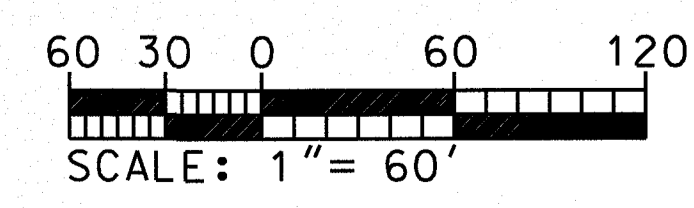
WASTEWATER DISPOSAL SYSTEM
 DESIGN CALCULATIONS:
 27 EMPLOYEES @ 25 GAL/DAY = 625 GPD
 1 CARWASH BAY @ 10 GAL/CAR
 - 40 CAR MAX = 400 GPD
TOTAL = 1025 GPD

NOTES:
 1. CONTRACTOR SHALL COORDINATE SEWER SERVICE CORE WITH THE TOWN OF MOREHEAD CITY.
 2. CONTRACTOR SHALL SUBMIT MATERIALS TO BE USED FOR APPROVAL TO THE TOWN OF MOREHEAD CITY.
 3. ALL MATERIALS AND LABOR SHALL BE TO THE TOWN OF MOREHEAD CITY AND THE STATES STANDARDS.
 4. MAINTAIN 10' HORIZONTAL SEPARATION BETWEEN WATER AND SEWER OR USE DUCTILE IRON FOR BOTH.
 5. MAINTAIN 36" MINIMUM COVER OVER WATER LINE.
 6. MAINTAIN 36" MINIMUM COVER OVER 2" SEWER FORCEMAIN.
 7. TOWN OF MOREHEAD CITY AND THE PROJECT ENGINEER MUST VIEW PRESSURE TEST ON FORCEMAIN (150 PSI FOR 2 HOURS)



LEGEND

AEC	AREA OF ENVIRONMENTAL CONCERN
BOC	BACK OF CURB
C/ABC	COMPACTED AGGREGATE BASE COARSE
CO	CLEAN OUT
DI	DROP INLET
EIP	EXISTING IRON PIPE
ELEVATION	ELEVATION
EPKIN	EXISTING PK NAIL
EX	EXISTING
FIN	FINISHED ELEVATION
GW	GUY WIRE
GA	GUY WIRE ANCHOR
HC	HANDICAP
INV	INVERT
L/S	LANDSCAPING/PLANTER
L/F	LINEAR FEET
MHW	MEAN HIGH WATER
N/P	NOW OR FORMERLY
PP	POWER POLE
PVC	POLYVINYLCHLORINE
RCP	REINFORCED CONCRETE PIPE
R/W	RIGHT OF WAY
SID	SIDEWALK
TB	TOP BOARDWALK
TBM	TEMPORARY BENCH MARK
TC	TOP OF CURB
TSW	TOP OF SIDEWALK
W/P	WITH
-6-	EXISTING CONTOUR
-8-	PROPOSED CONTOUR
-10-	PROPOSED WATER
-12-	EXISTING WATER
-14-	SEWER FORCE MAIN
-16-	UNDERGROUND TELEPHONE
-18-	EX. FORCEMAIN TO BE REMOVED
-20-	EXISTING 1" FORCEMAIN
-22-	PROPOSED 1" FORCEMAIN
-24-	EXISTING 2" FORCEMAIN
-26-	PROPOSED 2" FORCEMAIN
-28-	EXISTING TELL. CABLE



REVISIONS:

NO.	BY	DATE	DESCRIPTION
1	JCR	02/26/11	PUBLIC UTILITY COMMENTS
2	JCR	12/11/11	MECHAN SUBMITTAL
3	JCR	12/5/11	FLOW CHANGE
4	JCR	12/15/11	ELECTRICAL CHANGES
5	CMC	8/2/14	ADD GRAVITY SEWER
6	CMC	8/23/14	RCDD COMMENTS

PROPOSED UTILITY PLAN

LOOKOUT FORD

NEWPORT TOWNSHIP CARTERET COUNTY NORTH CAROLINA

CLIENT: LOOKOUT FORD
 C/O JOHN GAINES

ADDRESS: P.O. BOX 1198
 MOREHEAD CITY, NC 28557

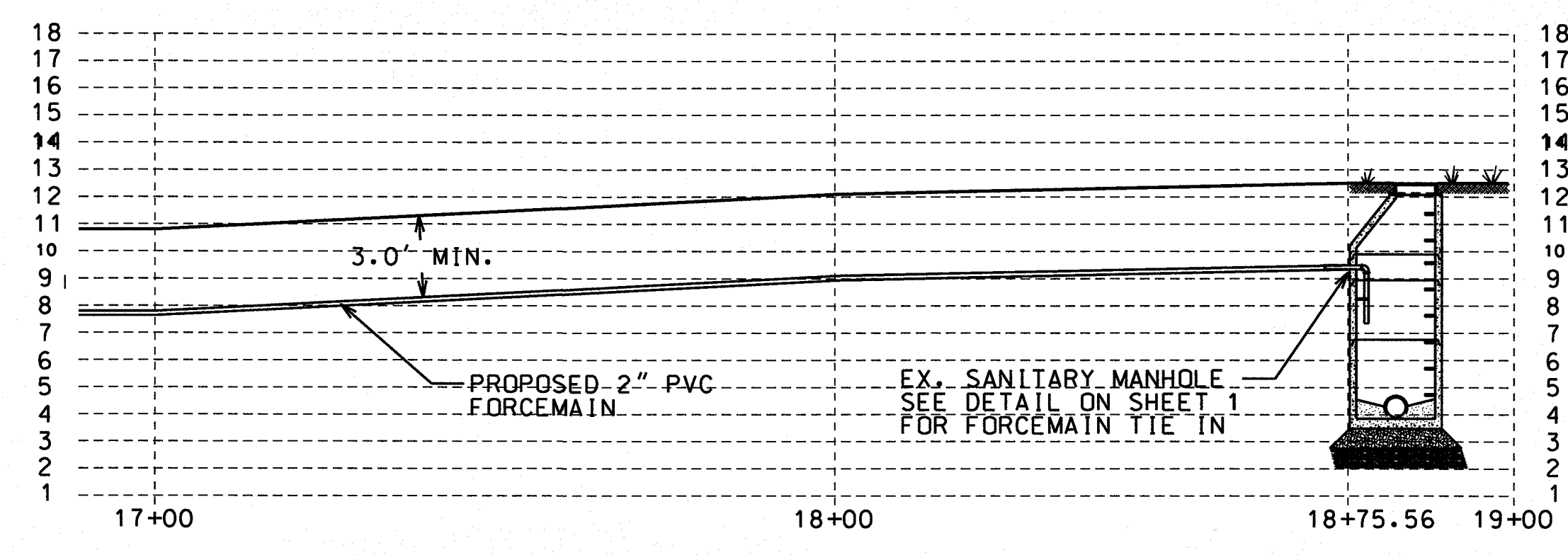
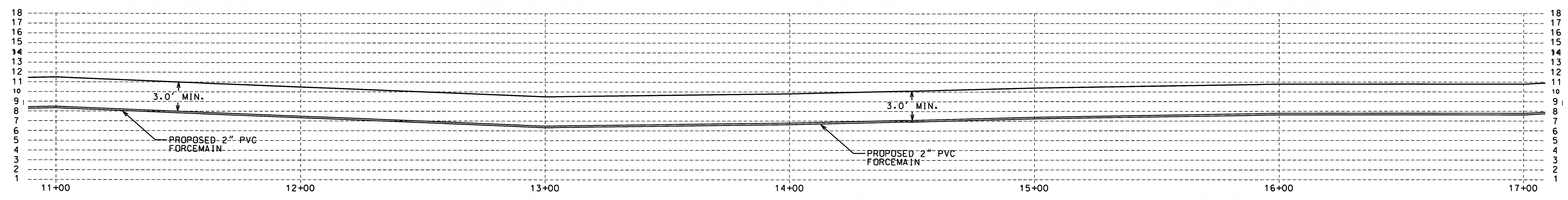
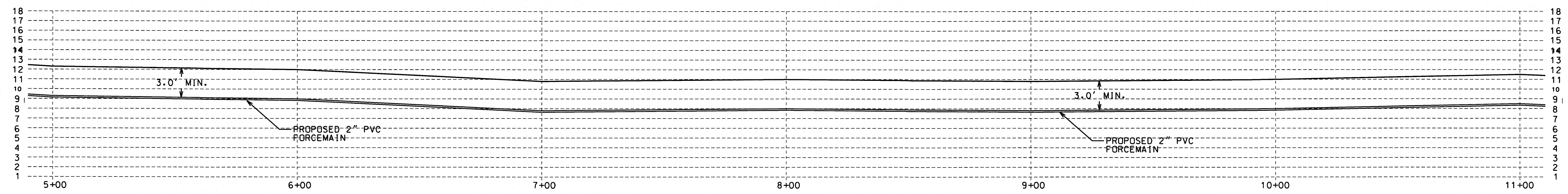
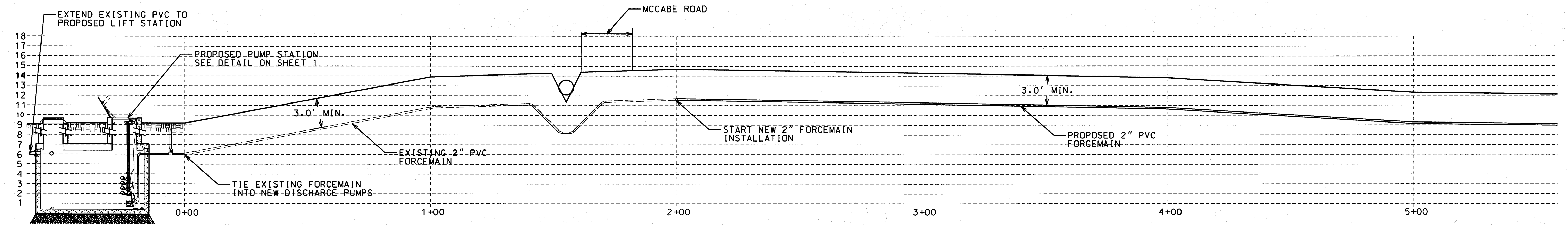
PHONE: (252) 723-0778

DESIGNED: CMC
 DRAWN: CMC
 CHECKED: RDC
 APPROVED: CMC

STROUD ENGINEERING, P.A.
 161A HIGHWAY 24
 MOREHEAD CITY, N.C. 28557
 (252) 247-7479
 LICENSE NO. C-0647

DATE: 10/18/11
 SCALE: 1" = 60'

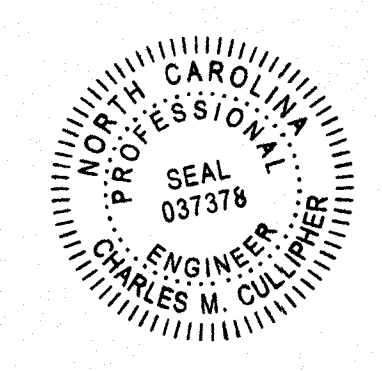
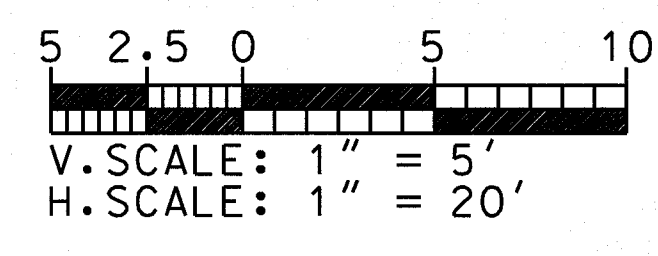
CHARLES M. CULLIPHER P.E.



CONTRACTOR SHALL FIELD VERIFY UTILITY CONFLICTS WITH EXISTING WATER LINES, STORM SEWER AND OTHER UTILITIES. PROPOSED FORCE MAIN SHALL HAVE 18" MINIMUM VERTICAL CLEARANCE BELOW EXISTING UTILITIES.

REVISIONS:

No.	BY	DATE	DESCRIPTION
1	CMC	9/2/14	ADDED NOTE

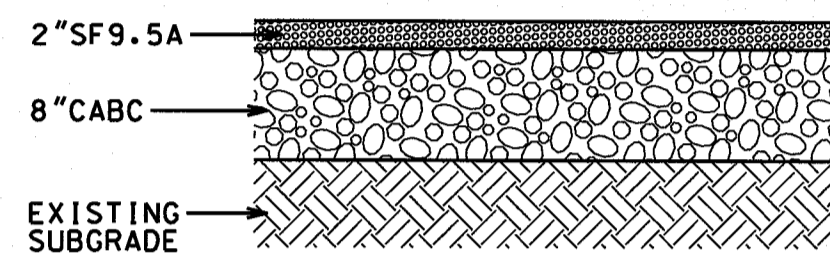
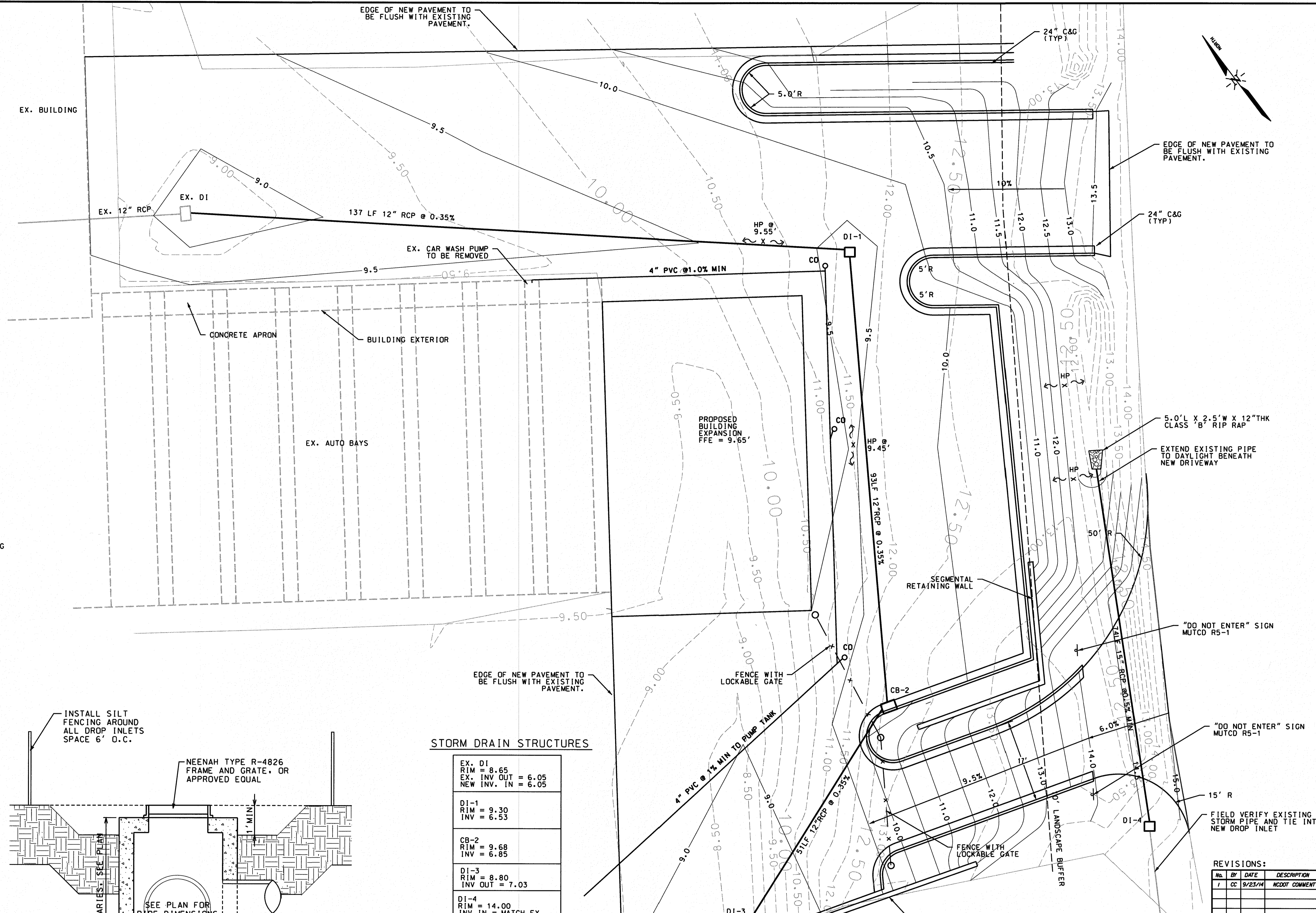


PROPOSED FORCEMAIN PROFILE

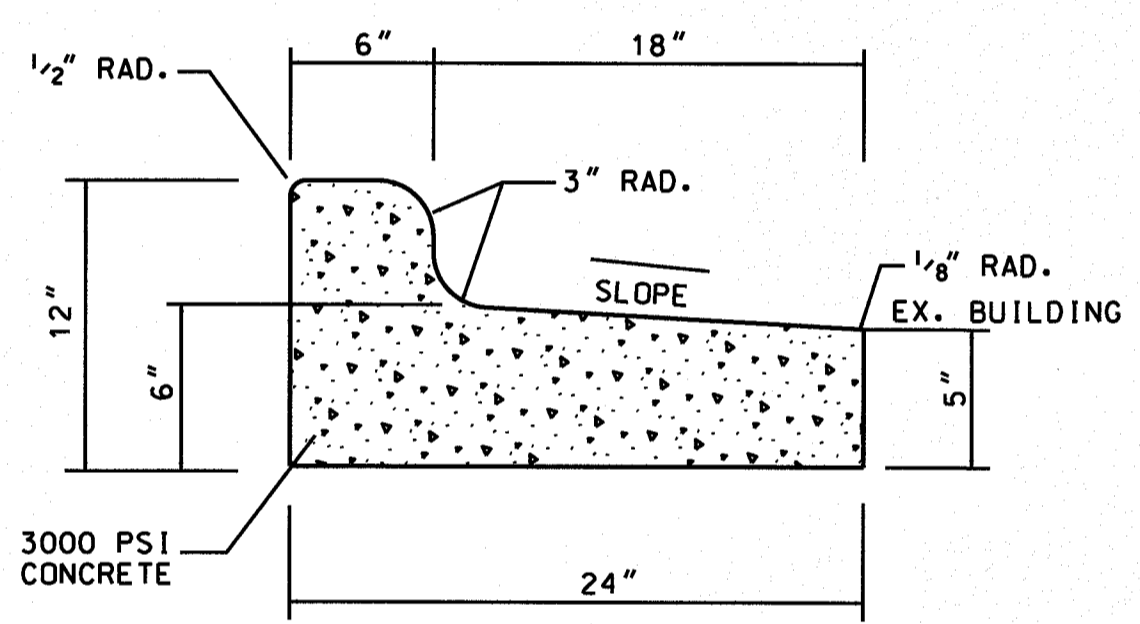
LOOKOUT FORD

NEWPORT TOWNSHIP CARTERET COUNTY NORTH CAROLINA

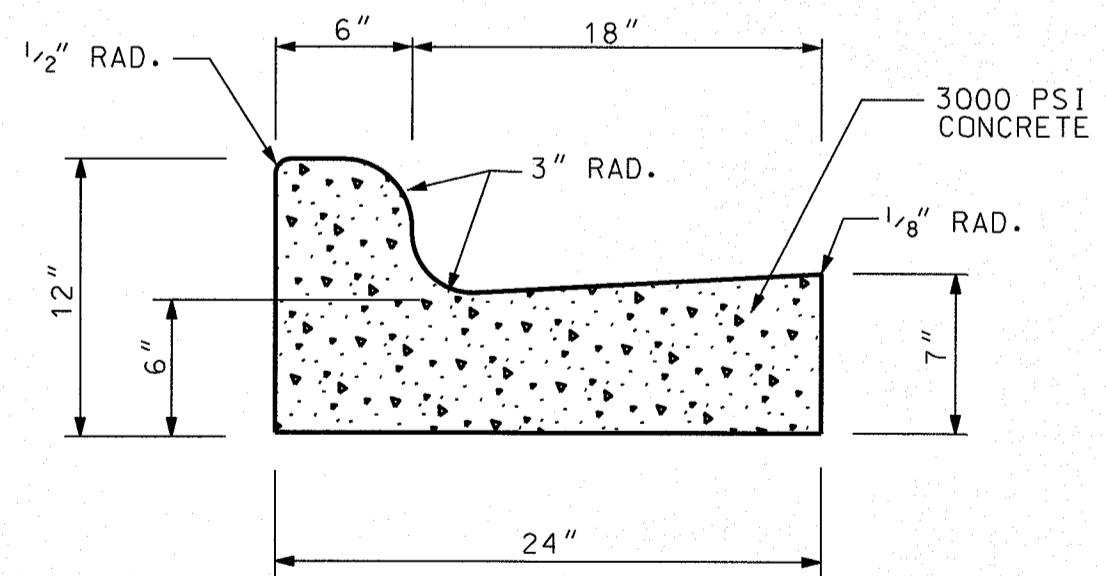
CLIENT: LOOKOUT FORD, INC.	DESIGNED: JCR
ADDRESS: P.O. BOX 1198 MOREHEAD CITY, NC 28557	DRAWN: JCR
PHONE: (252) 723-0778	CHECKED: RDC
STROUD ENGINEERING, P.A. 151A HIGHWAY 24 MOREHEAD CITY, N.C. 28557 (252) 247-7479	APPROVED: CMC
<i>Charles M. Cullipher</i> CHARLES M. CULLIPHER P.E.	DATE: 10/14/14
	SCALE: 1" = 5'



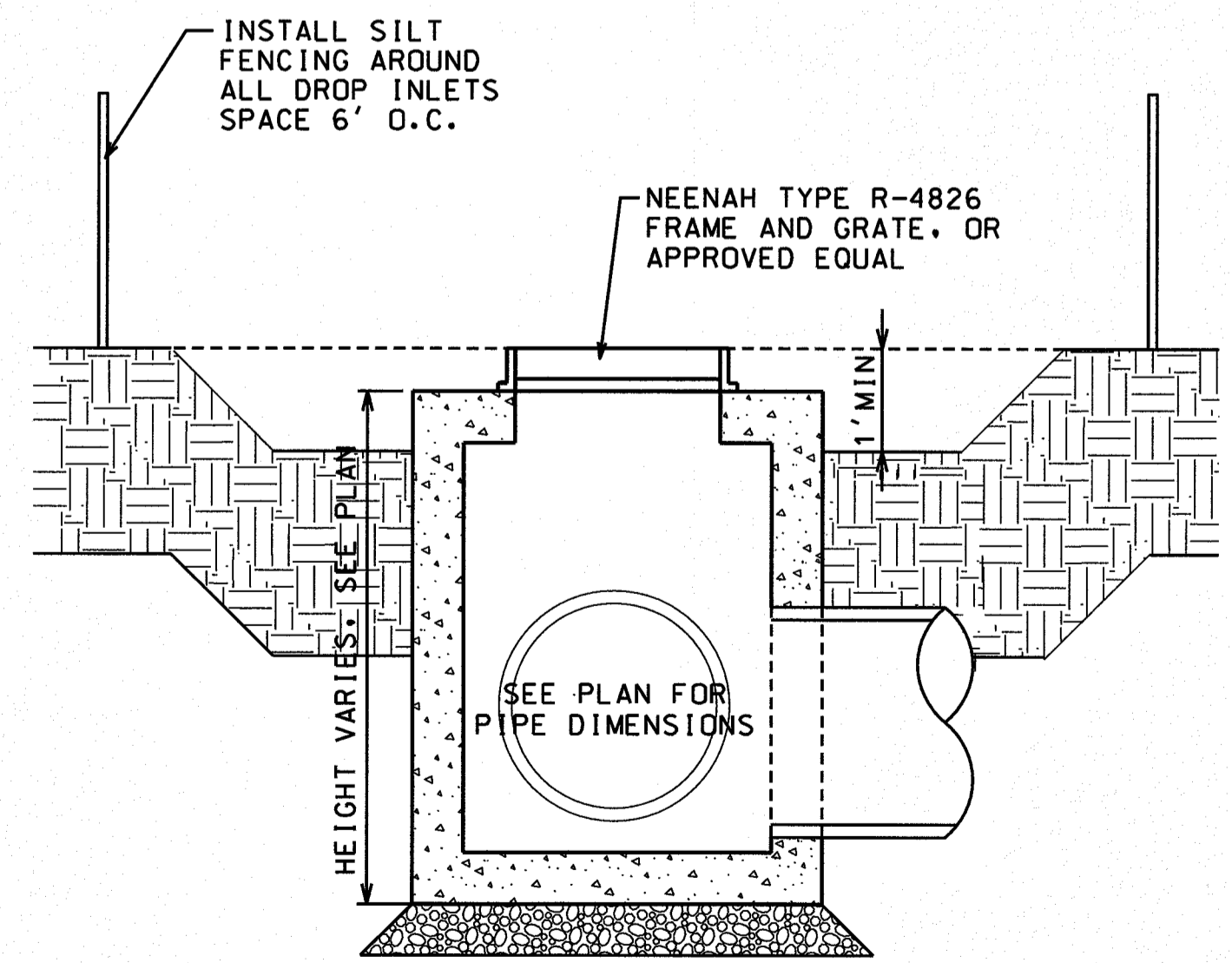
PARKING LOT PAVING
SCALE: NOT TO SCALE



24\"/>



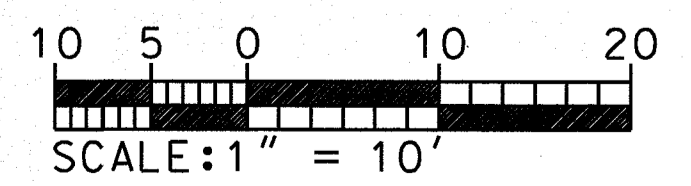
24\"/>



**DROP INLET W/
INLET PROTECTION**
SCALE: NOT TO SCALE

STORM DRAIN STRUCTURES

EX. DI	RIM = 8.65
EX. INV OUT = 6.05	NEW INV. IN = 6.05
DI-1	RIM = 9.30
INV = 6.53	
CB-2	RIM = 9.68
INV = 6.85	
DI-3	RIM = 8.80
INV OUT = 7.03	
DI-4	RIM = 14.00
INV IN = MATCH EX.	INV. OUT = 0.38' DROP



REVISIONS:

No.	BY	DATE	DESCRIPTION
1	CC	9/23/14	NCDD COMMENTS

PROPOSED GRADING AND SITE PLAN

LOOKOUT FORD

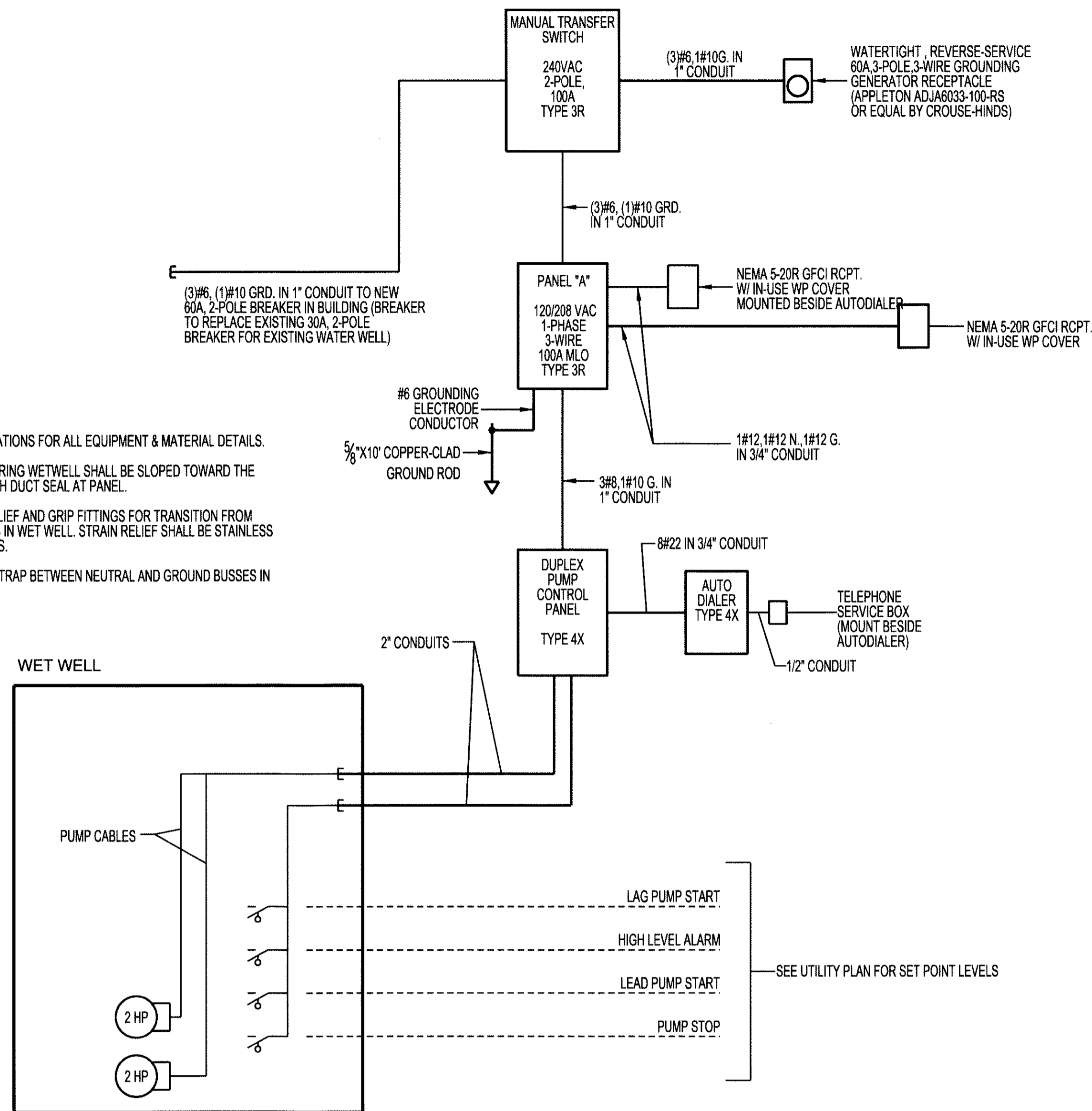
NEWPORT TOWNSHIP CARTERET COUNTY NORTH CAROLINA

CLIENT: LOOKOUT FORD C/O JOHN GAINY ADDRESS: P.O. BOX 1198 MOREHEAD CITY, NC 28557 (252) 247-7479 PHONE: (252) 1723-0778	DESIGNED: CMC DRAWN: CMC CHECKED: RDC APPROVED: CMC DATE: 09/02/14 SCALE: 1" = 10'
---	---

STROUD ENGINEERING, P.A.
 151A HIGHWAY 24
 MOREHEAD CITY, N.C. 28557
 (252) 247-7479
 LICENSE NO. C-0647
 CHARLES M. CULLIPHER P.E.

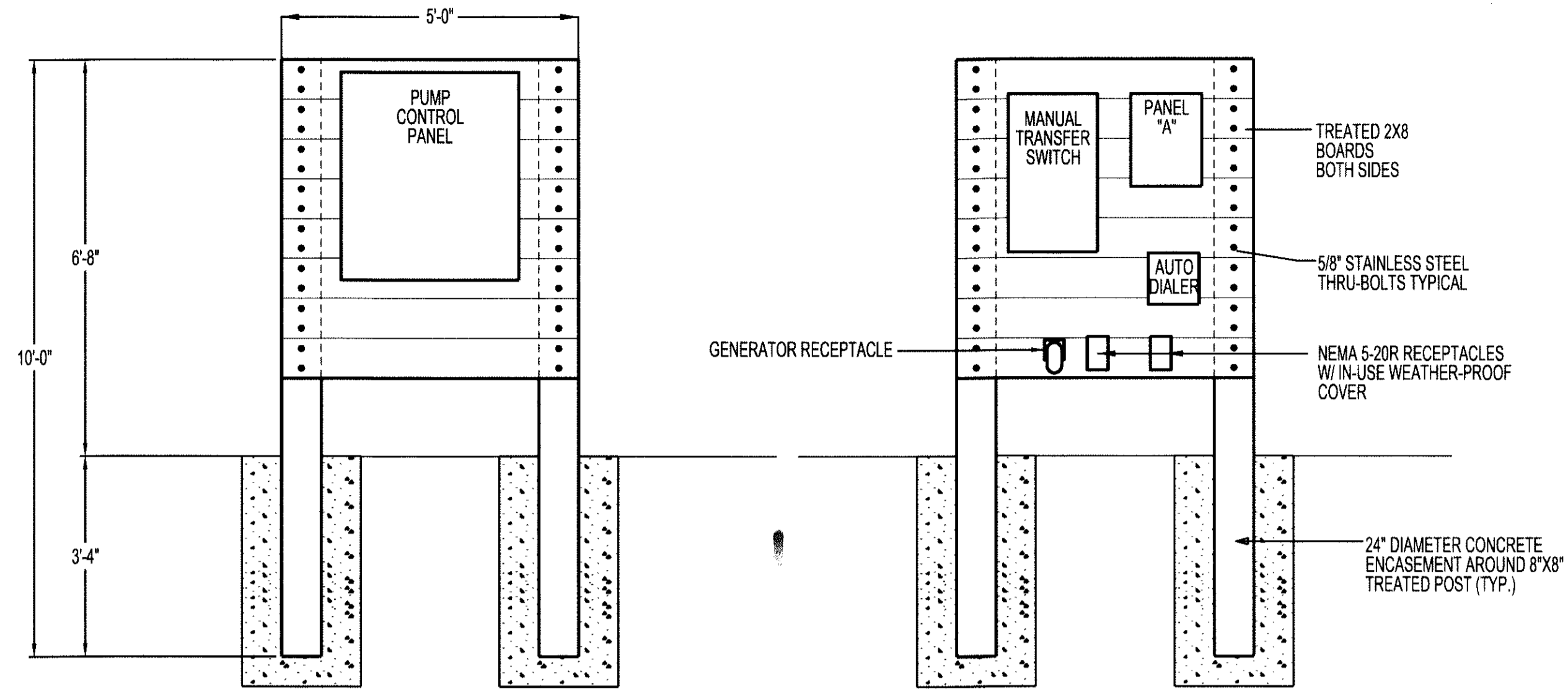
ELECTRICAL NOTES:

- REFER TO SPECIFICATIONS FOR ALL EQUIPMENT & MATERIAL DETAILS.
- ALL CONDUITS ENTERING WETWELL SHALL BE SLOPED TOWARD THE WETWELL. PLUG WITH DUCT SEAL AT PANEL.
- PROVIDE STRAIN RELIEF AND GRIP FITTINGS FOR TRANSITION FROM CONDUIT TO CABLES IN WET WELL. STRAIN RELIEF SHALL BE STAINLESS STEEL KELLUM GRIPS.
- REMOVE BONDING STRAP BETWEEN NEUTRAL AND GROUND BUSES IN PANEL "A".



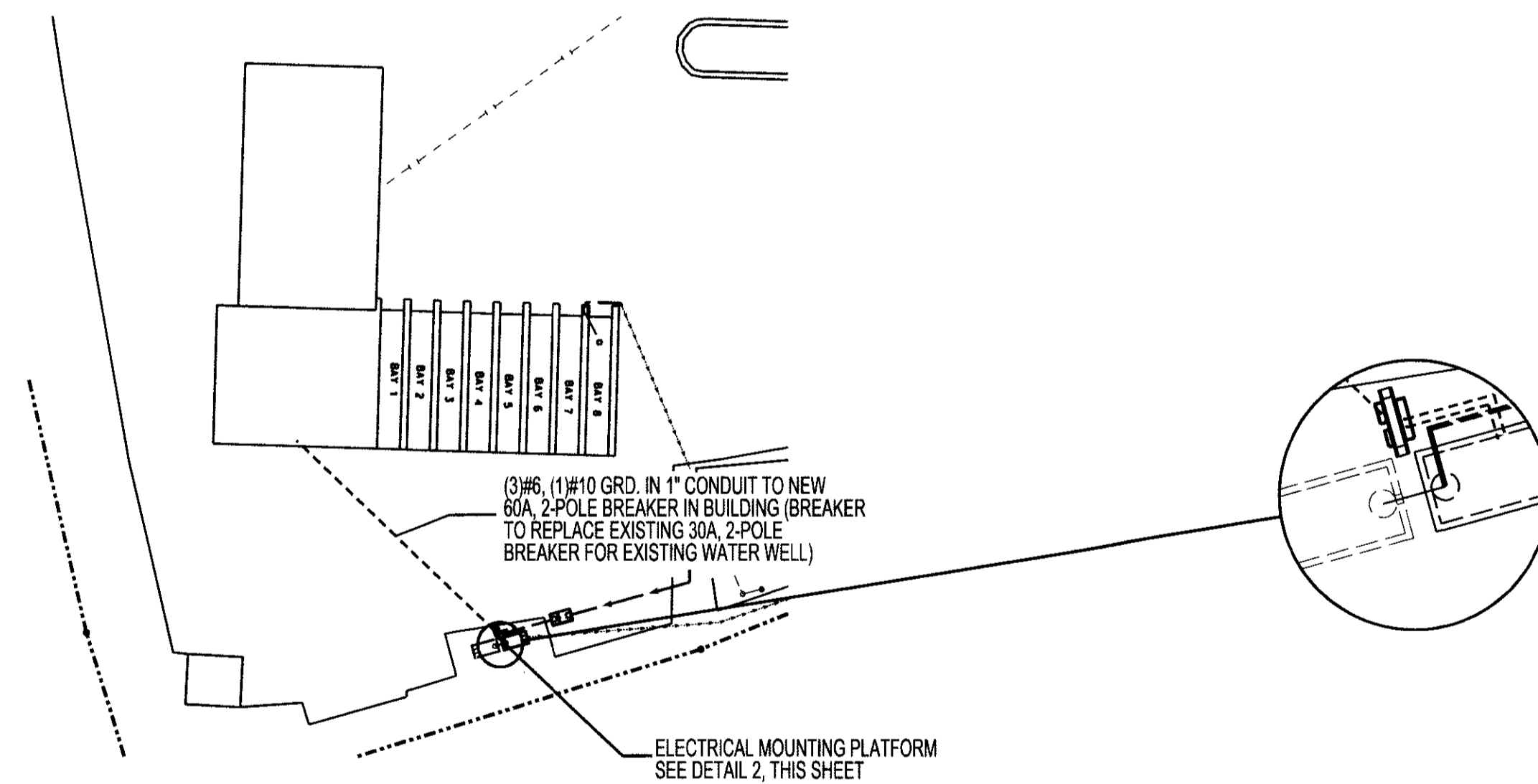
ELECTRICAL ONE-LINE DIAGRAM

NOT TO SCALE
1
E1



FRONT VIEW REAR VIEW
ELECTRICAL MOUNTING PLATFORM DETAIL

SCALE: 1/2" = 1'-0"
2
E1



ELECTRICAL SITE PLAN

SCALE: 1" = 60'
3
E1

PANEL- A															
TYPE		MOUNTING SURFACE		ENCLOSURE		PHASE		WIRE		SHORT CIR. RATING		RMS SYM MIN			
PLUG-ON				NEMA-3R		1		3		10,000					
VOLTS		MAIN		FRAME		LOAD (AMPS)		COND. (")		GRND.		WIRE SIZE		DESCRIPTION	
CKT. NO.	CB TRIP	DESCRIPTION	COND. SIZE	GRND.	WIRE SIZE	A	B	A	B					CB TRIP	CKT. NO.
1	50/2	PUMP CONTROL PANEL	1"	(1)#10	(3)#8	34				-	-	-	-		2
3							36			-	-	-	-		4
5	20/1	RCPT.	3/4"	(1)#12	(2)#12	2				-	-	-	-		6
7	15/1	RCPT. - AUTODIALER	3/4"	(1)#12	(2)#12		2			-	-	-	-		8
9		BLANK								-	-	-	-		10
11		BLANK								-	-	-	-		12
13										-	-	-	-		14
15										-	-	-	-		16
17										-	-	-	-		18
19										-	-	-	-		20
21										-	-	-	-		22
23										-	-	-	-		24

NEUTRAL TERMINAL BAR
GROUND TERMINAL BAR

PANEL LOAD: A: 36A B: 38A

REVISIONS:

No.	BY	DATE	DESCRIPTION

LIFT STATION ELECTRICAL PLAN

LOOKOUT FORD

NEWPORT TOWNSHIP CARTERET COUNTY NORTH CAROLINA

CLIENT: LOOKOUT FORD
C/O JOHN GAINAY

ADDRESS: P.O. BOX 1198
MOREHEAD CITY, NC 28557

PHONE: (252) 723-0778

DESIGNED: LMS
DRAWN: LMS
CHECKED: LMS
APPROVED: LMS

DATE: 12/13/11
SCALE: AS NOTED

STROUD ENGINEERING, P.A.
151A HIGHWAY 24
MOREHEAD CITY, N.C. 28557
(252) 247-7479
L. MICHAEL STROUD, P.E. LICENSE NO. C-0847

