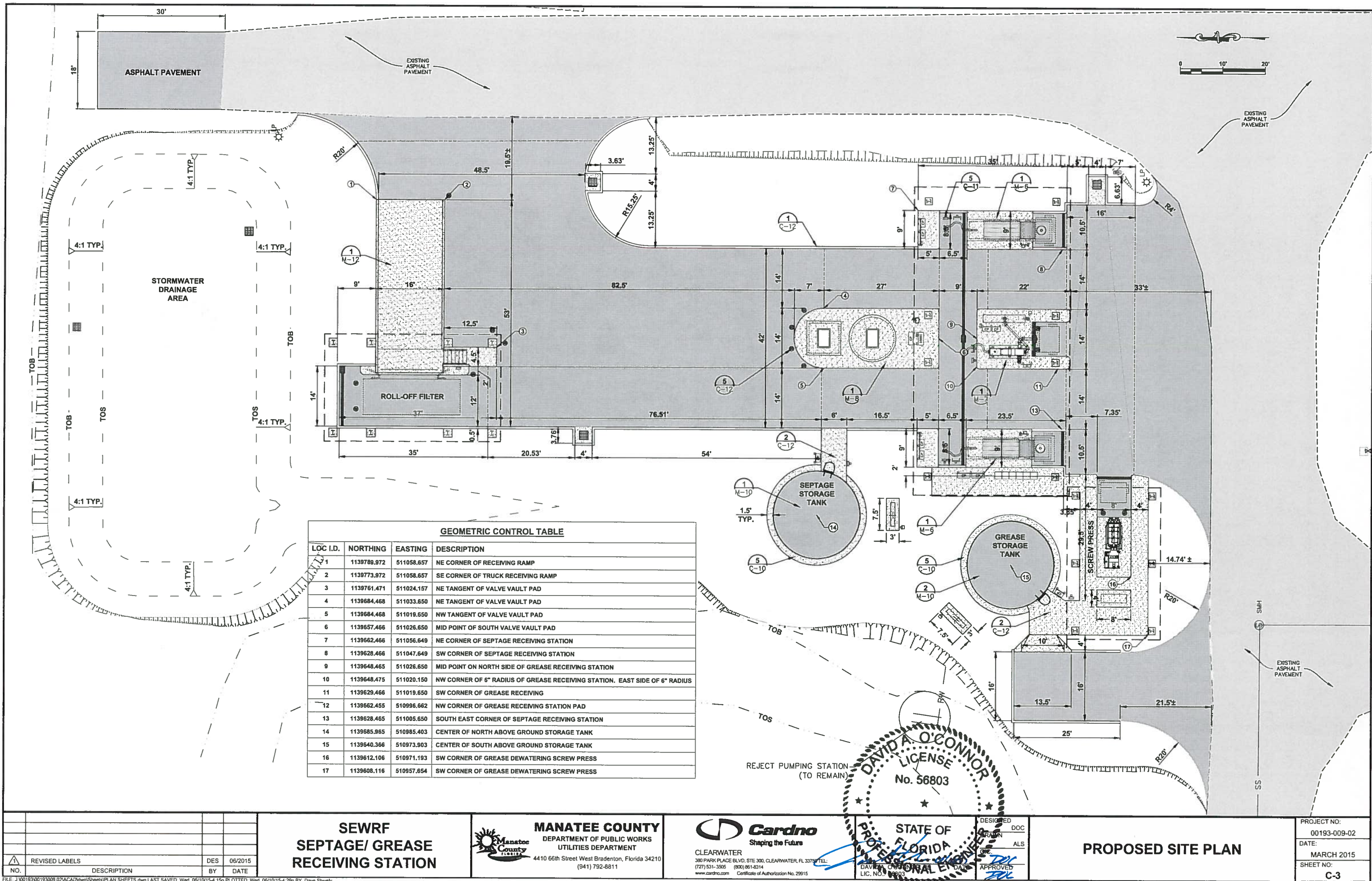




GEOMETRIC CONTROL TABLE			
LOC. I.D.	NORTHING	EASTING	DESCRIPTION
1	1139788.972	511058.657	NE CORNER OF RECEIVING RAMP
2	1139773.972	511058.657	SE CORNER OF TRUCK RECEIVING RAMP
3	1139761.471	511024.157	NE TANGENT OF VALVE VAULT PAD
4	1139684.468	511033.650	NE TANGENT OF VALVE VAULT PAD
5	1139684.468	511019.650	NW TANGENT OF VALVE VAULT PAD
6	1139657.466	511026.650	MID POINT OF SOUTH VALVE VAULT PAD
7	1139662.466	511056.649	NE CORNER OF SEPTAGE RECEIVING STATION
8	1139628.466	511047.649	SW CORNER OF SEPTAGE RECEIVING STATION
9	1139648.465	511026.650	MID POINT ON NORTH SIDE OF GREASE RECEIVING STATION
10	1139648.475	511020.150	NW CORNER OF 6" RADIUS OF GREASE RECEIVING STATION. EAST SIDE OF 6" RADIUS
11	1139629.466	511019.650	SW CORNER OF GREASE RECEIVING
12	1139662.455	510996.662	NW CORNER OF GREASE RECEIVING STATION PAD
13	1139628.465	511005.650	SOUTH EAST CORNER OF SEPTAGE RECEIVING STATION
14	1139685.965	510985.403	CENTER OF NORTH ABOVE GROUND STORAGE TANK
15	1139640.366	510973.903	CENTER OF SOUTH ABOVE GROUND STORAGE TANK
16	1139612.106	510971.193	SW CORNER OF GREASE DEWATERING SCREW PRESS
17	1139608.116	510957.654	SW CORNER OF GREASE DEWATERING SCREW PRESS

NO.	REVISION	DESCRIPTION	DES	DATE
1	REVISED LABELS		DES	06/2015

SEWRF
SEPTAGE/ GREASE
RECEIVING STATION

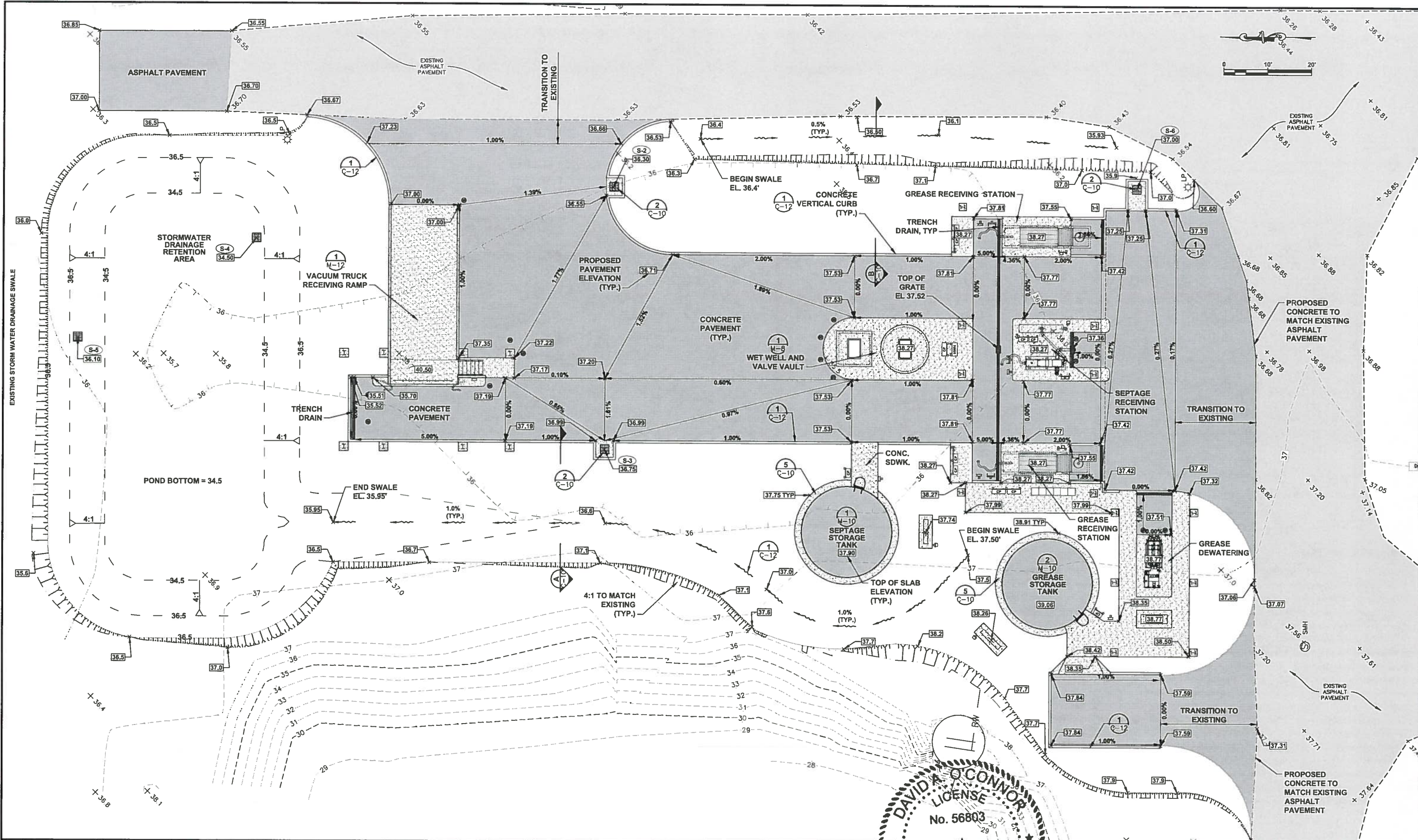
MANATEE COUNTY
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UTILITIES DEPARTMENT
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DAVID A. O'CONNOR
LICENSE
No. 56803
STATE OF FLORIDA
PROFESSIONAL ENGINEER
LIC. NO. 56803

PROPOSED SITE PLAN

PROJECT NO:	00193-009-02
DATE:	MARCH 2015
SHEET NO:	C-3



NO.	REVISION	DESCRIPTION	DES	DATE
1	REVISED GRADING		DES	06/2015
			BY	DATE

**SEWRF
SEPTAGE/ GREASE
RECEIVING STATION**

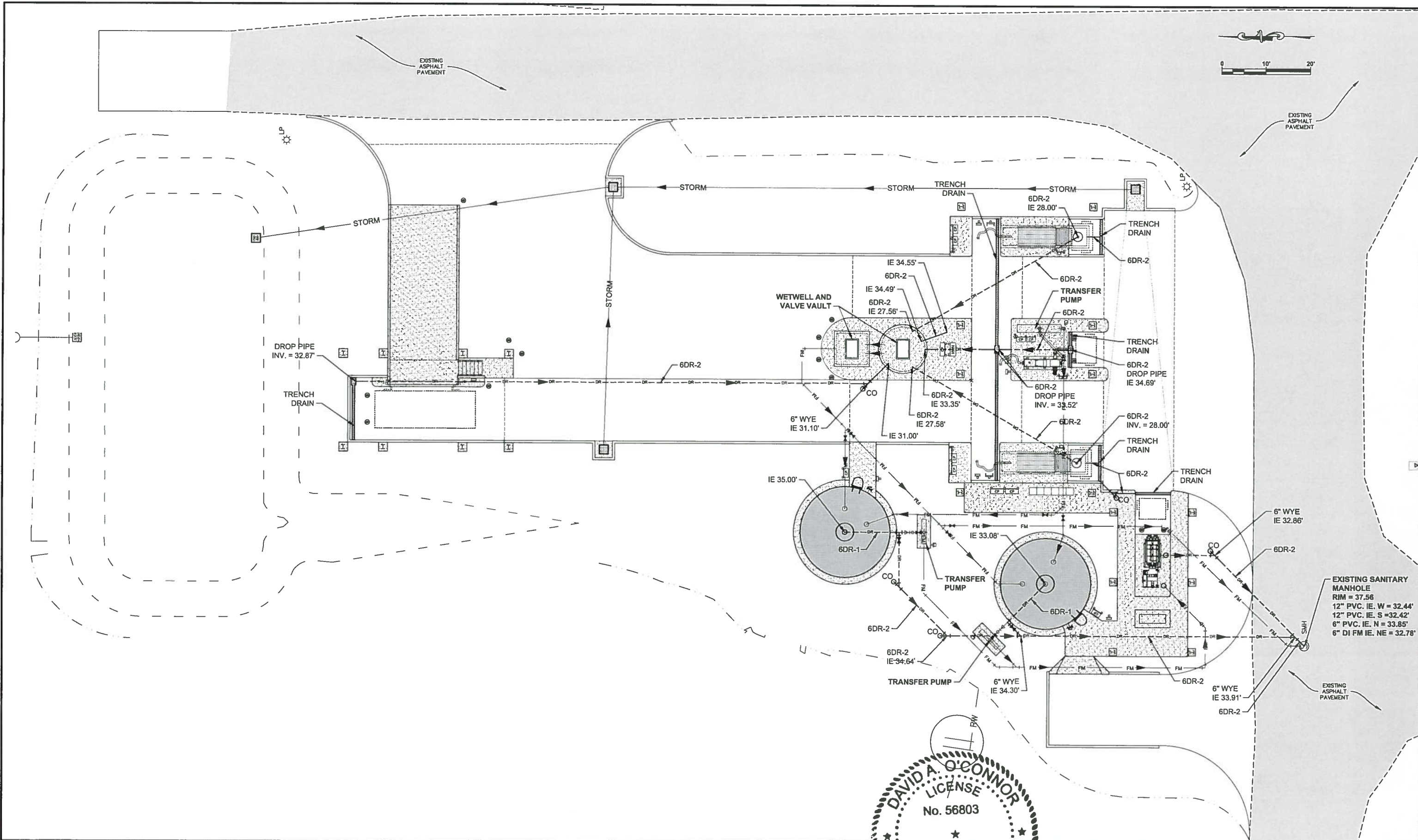
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UTILITIES DEPARTMENT
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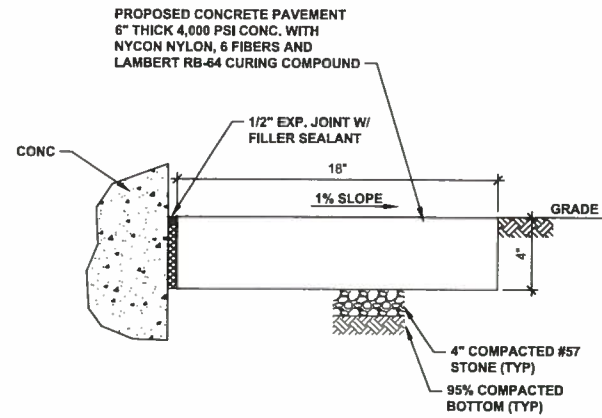
DAVID A. O'CONNOR
LICENSE
No. 56803
STATE OF FLORIDA
PROFESSIONAL ENGINEER

PAVING AND GRADING PLAN

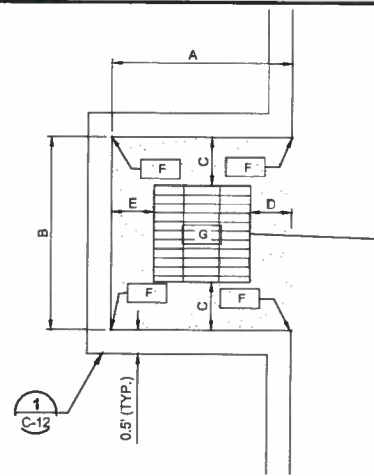
PROJECT NO:	00193-009-02
DATE:	MARCH 2015
SHEET NO:	C-4



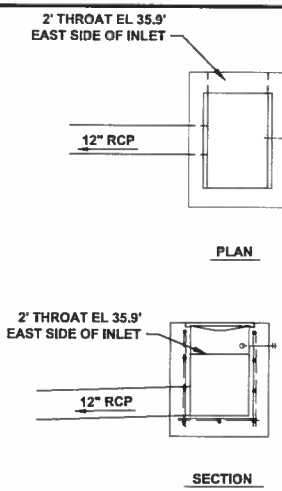
SEWRF SEPTAGE/ GREASE RECEIVING STATION		 MANATEE COUNTY DEPARTMENT OF PUBLIC WORKS UTILITIES DEPARTMENT 4410 66th Street West Bradenton, Florida 34210 (941) 792-8811	 Cardno Shaping the Future CLEARWATER 380 PARK PLACE BLVD, STE 300, CLEARWATER, FL 33759 TEL: (727) 531-3505 (800) 861-8314 www.cardno.com Certificate of Authorization No. 29915	DAVID A. O'CONNOR LICENSE No. 56803 STATE OF FLORIDA PROFESSIONAL ENGINEER LIC. NO. 68803	PLANT DRAIN PIPING PLAN	PROJECT NO: 00193-009-02 DATE: MARCH 2015 SHEET NO: C-5
NO.	DESCRIPTION	DES	06/2015	BY	DATE	
REVISIONS:						



1 LANDSCAPE APRON DETAIL
C-3 NTS

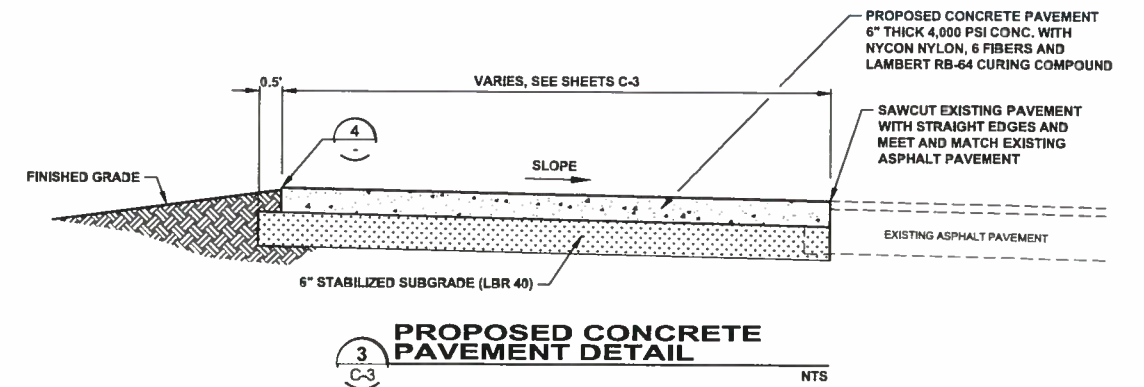


STRUCTURE DIMENSIONS & ELEVATIONS			
	S-2	S-3	S-6
A	3.76'	3.63'	6.63'
B	4.00'	4.00'	4.00'
C	1.00'	1.00'	1.00'
D	0.88'	0.75'	3.75'
E	0.88'	0.88'	0.88'
F	36.99'	36.55'	37.25'
G	36.75'	36.30'	37.00'

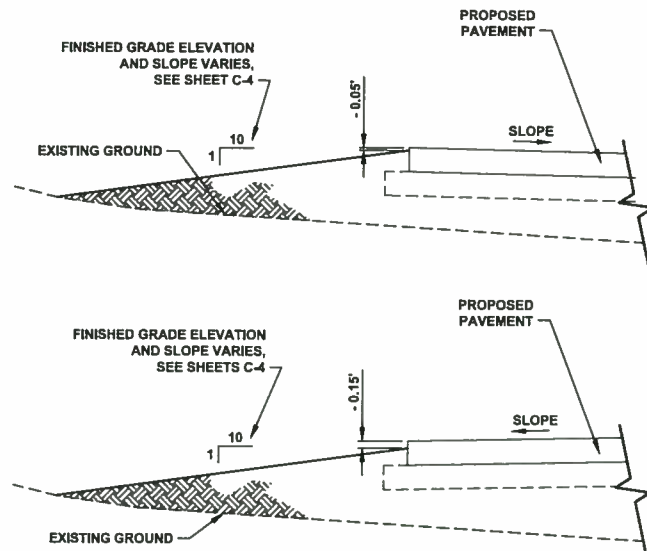


2 DRAINAGE STRUCTURE DETAILS AND ELEVATIONS
C-12 NTS

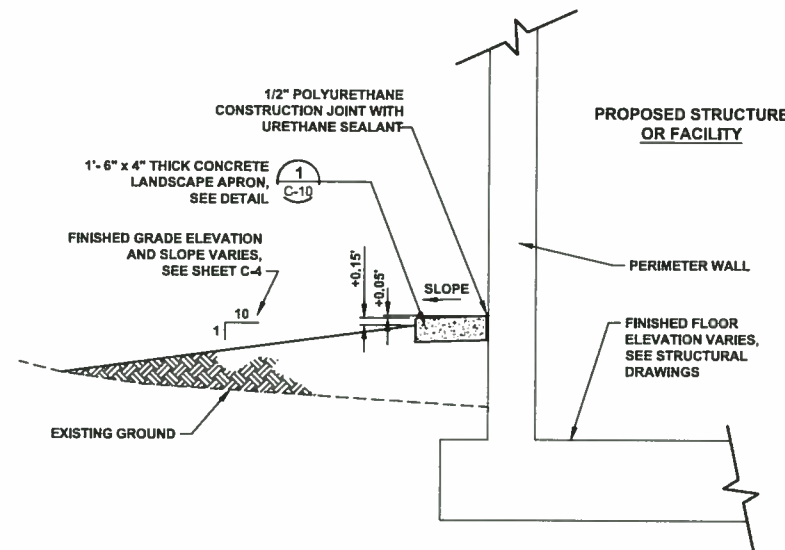
STRUCTURE S-1 MODIFIED
FOOT TYPE C STRUCTURE



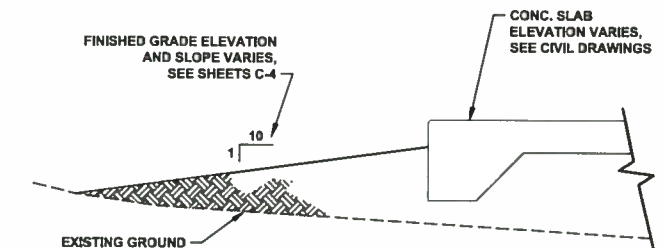
3 PROPOSED CONCRETE PAVEMENT DETAIL
C-3 NTS



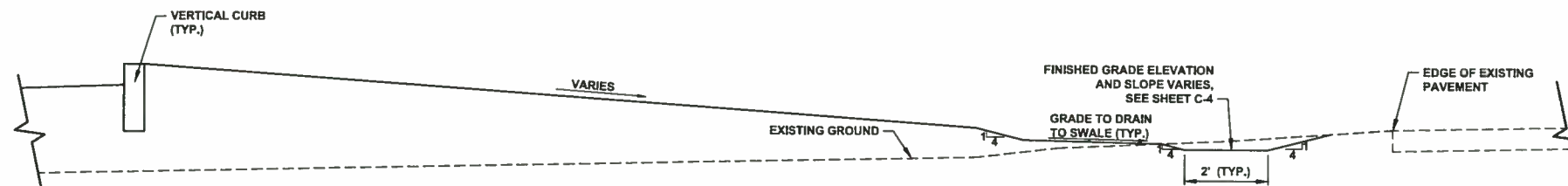
4 GRADING AT PROPOSED CONC. PAVEMENT DETAIL
C-3



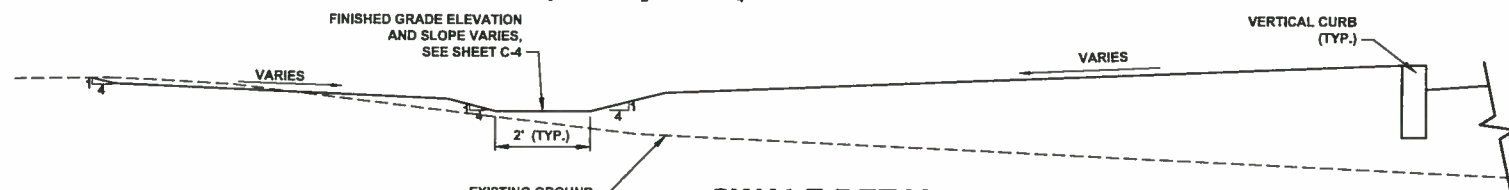
5 GRADING AT STRUCTURES DETAIL
C-3



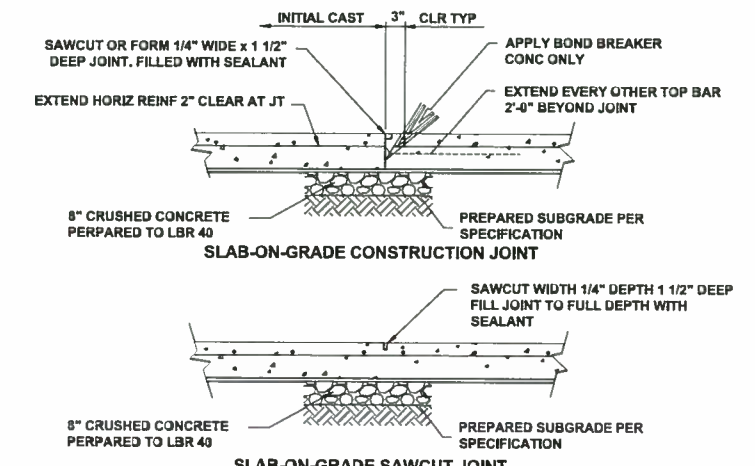
6 GRADING AT CONCRETE SLAB DETAIL
C-3



B SWALE DETAIL SECTION B-B
C-4



A SWALE DETAIL SECTION A-A
C-4



7 TYPICAL CONCRETE JOINT DETAIL
NTS

NOTE:
ALLOW 48 HOURS BETWEEN PLACEMENT
OF INITIAL CAST AND SUBSEQUENT
CASTS.

SEWRF
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RECEIVING STATION

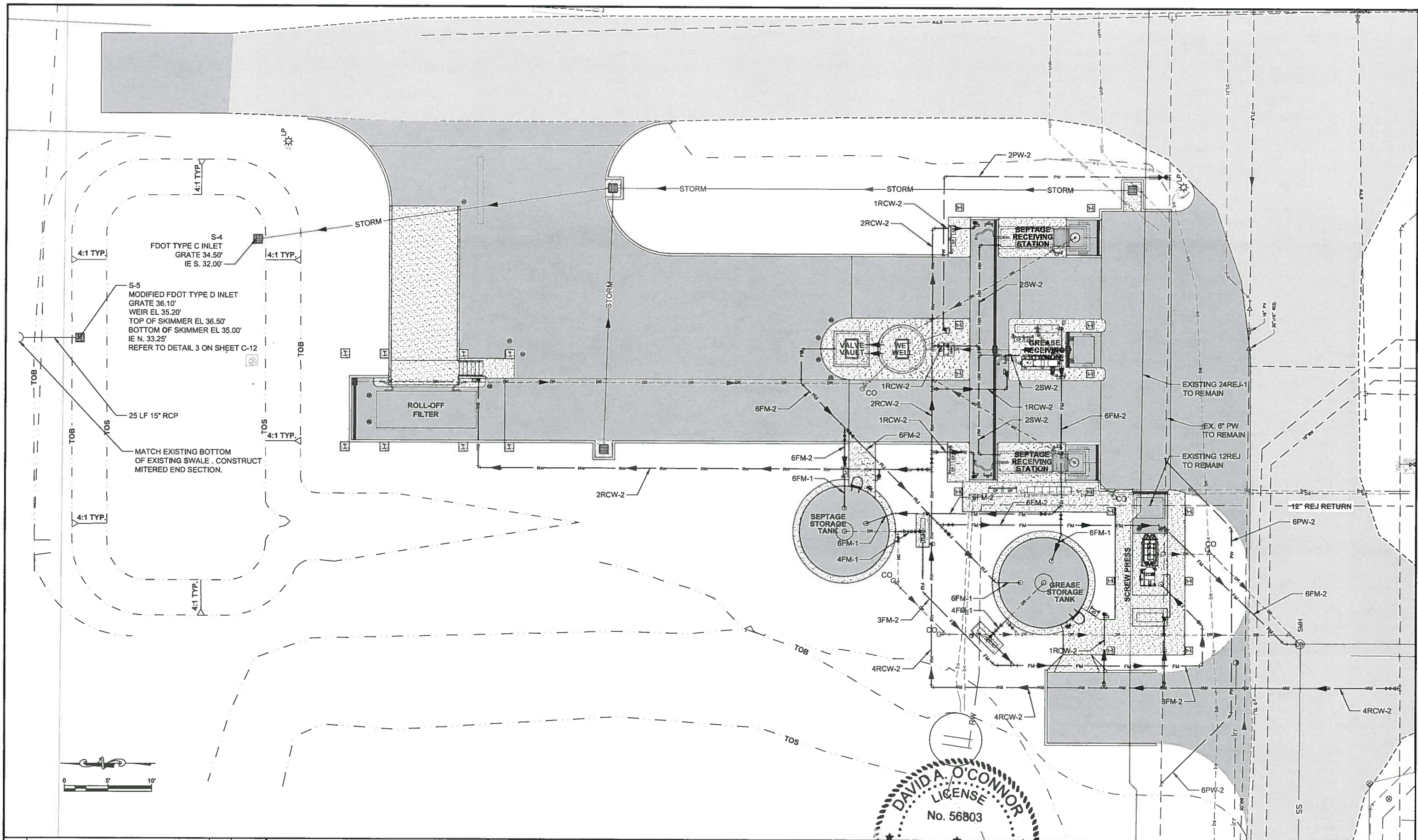
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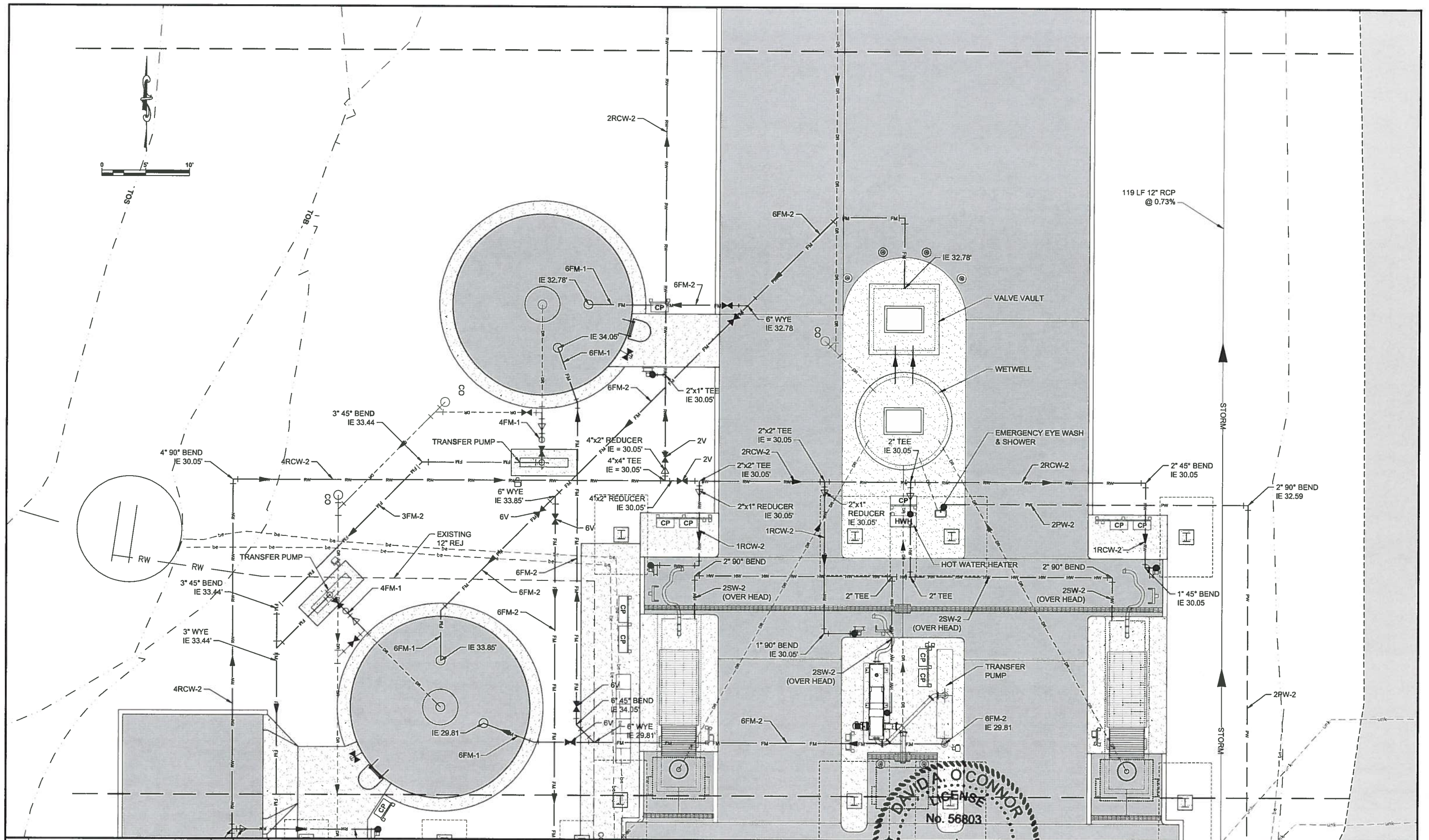
CIVIL DETAILS (2)

PROJECT NO:
00193-009-02
DATE:
MARCH 2015
SHEET NO:
C-10



		SEWRF SEPTAGE/ GREASE RECEIVING STATION	 MANATEE COUNTY DEPARTMENT OF PUBLIC WORKS UTILITIES DEPARTMENT 4410 66th Street West Bradenton, Florida 34210 (941) 792-8811	 Cardno Shaping the Future CLEARWATER 380 PARK PLACE BLVD, STE 300, CLEARWATER, FL 33759 TEL: (727) 531-3505 (800) 861-8314 www.cardno.com Certificate of Authorization No. 29915	DAVID A. O'CONNOR LICENSE No. 56803 STATE OF FLORIDA PROFESSIONAL ENGINEER	OVER ALL YARD PIPING	PROJECT NO: 00193-009-02 DATE: MARCH 2015 SHEET NO: M-2
DESIGNED: DOC DRAWN: ALS CHECKED: [Signature] APPROVED: [Signature]							

NO.	REVISIONS	BY	DATE
1	REVISED PIPING SIZE AND MATERIALS	DES	06/2015



NO.	REVISION	DESCRIPTION	DES	DATE
1	REVISED PIPING SIZE AND MATERIALS		DES	06/2015
2			BY	DATE

**SEWRF
SEPTAGE/ GREASE
RECEIVING STATION**

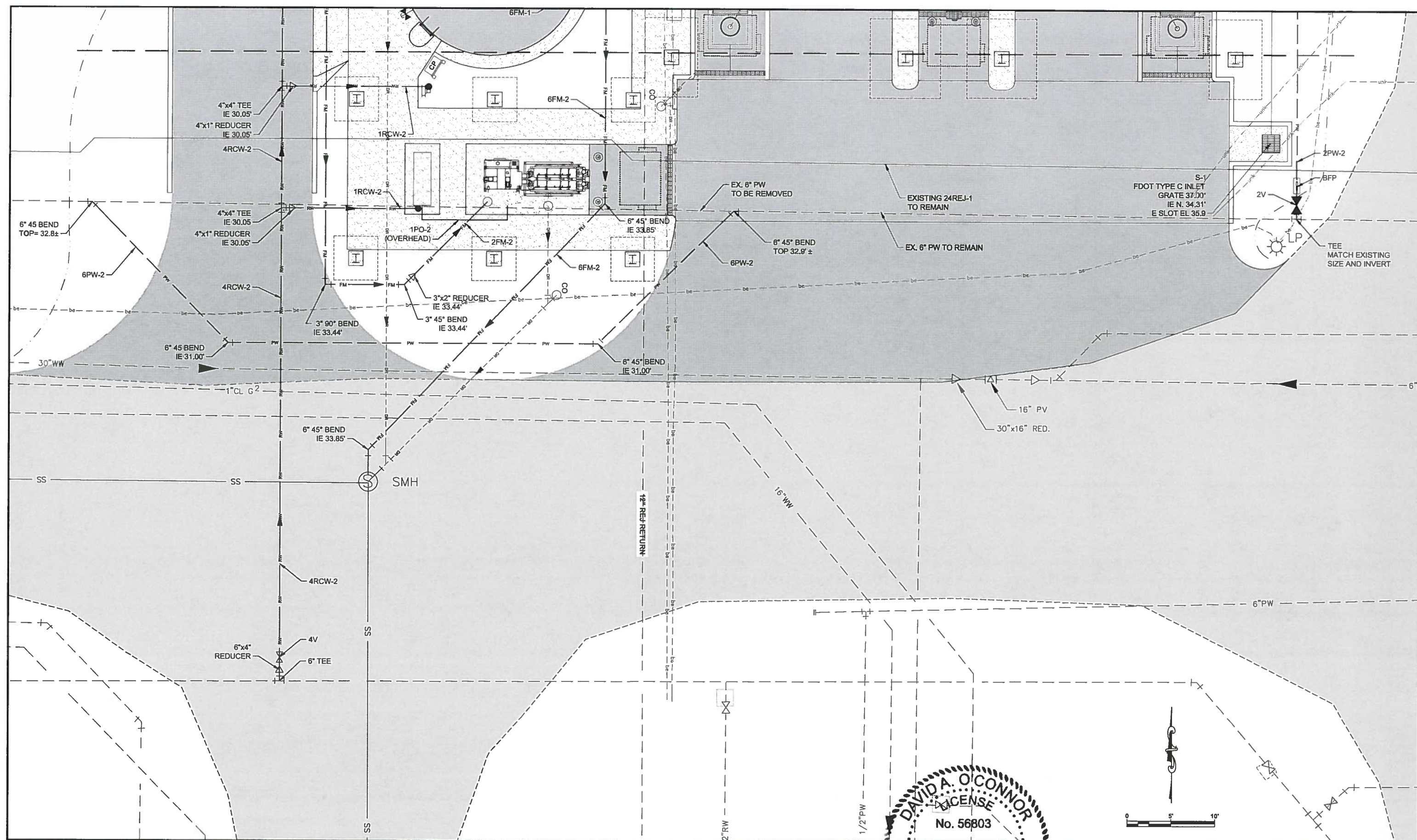
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DAVID A. O'CONNOR
LICENSED PROFESSIONAL ENGINEER
No. 56803
STATE OF FLORIDA

YARD PIPING (2)

PROJECT NO:
00193-009-02
DATE:
MARCH 2015
SHEET NO:
M-4

[illegible]