

SPRINGS AT FREMAUX TOWN CENTER

FREMAUX TOWN CENTER

SLIDELL, LOUISIANA

ST. TAMMANY PARISH

UTILITY AND GOVERNING AUTHORITIES CONTACT LIST:

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AT&T
72337 Industry Park
Covington, LA 70435
Contact: Mr. Wayne Stein
Telephone: (985)-867-1269
e-mail: ws7675@bellsouth.com

ELECTRIC

CLECO
2900 E. Causeway Approach, Suite C
Mandeville, LA 70448
Contact: Mr. John R. Murchison
Telephone: (985)-624-3233
e-mail: john.murchison@cleco.com

CABLE

Charter Communications
60037 Highway 11
Slidell, LA 70458
Contact: Mr. Kevin David
Telephone: (985)-265-7702
e-mail: kevin.david@charter.com

GAS

Atmos
663 Brownswitch Site 1
Slidell, LA 70458
Contact: Mr. Joe Riehlmann
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e-mail: joseph.riehlmann@atmosenergy.com

WATER/SEWER

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Slidell, LA 70458
Contact: Mr. Mike Noto
Telephone: (985)-646-4330
e-mail: mnoto@cityofslidell.org

BUILDING INSPECTOR
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Contact: Mr. Joe France
Telephone: (985)-646-4324
e-mail: jfrance@cityofslidell.org

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Telephone: (985)-646-4320
e-mail: tgram-hunter@cityofslidell.org

CITY ENGINEER

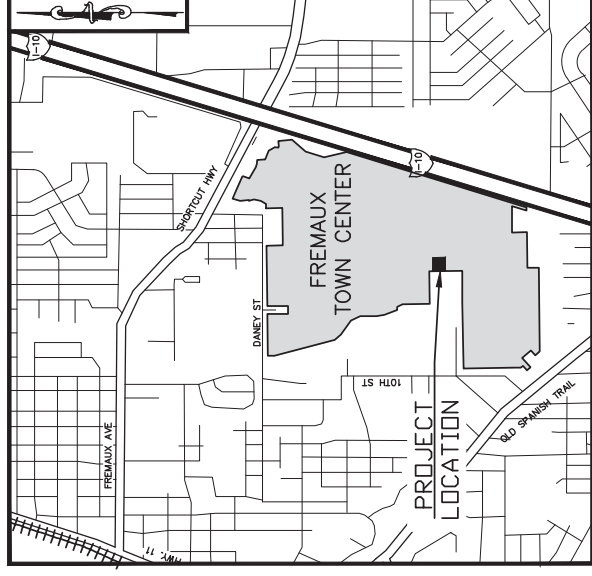
City of Slidell, Engineering Department
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Contact: Mrs. Donna O'Dell, P.E.
Telephone: (985)-646-4270
e-mail: dodell@cityofslidell.org

FIRE DEPARTMENT

St. Tammany Fire Protection District #1
Headquarters/Administration
1358 Corporate Square
Slidell, LA 70458
Office: (985)-649-3665
Fax: (985) 646-4865

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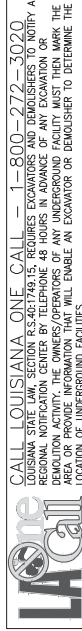
SITE LOCATION MAP

NTS.

DDG PROJECT # 14-248

PROJECT NOTES:

1. THIS PROJECT IS BEING CONSTRUCTED WITHIN THE BOUNDARIES OF THE CITY OF SLIDELL.
2. THE CONTRACTOR SHALL ENSURE THAT ALL GOVERNMENTAL REQUIRED INSPECTIONS, ALONG WITH THOSE REQUIRED BY PRIVATE UTILITIES, ARE PERFORMED PRIOR TO TURNING THE BUILDING OVER.
3. THE SITEWORK FOR THIS PROJECT SHALL MEET OR EXCEED SITEWORK RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORTS PREPARED BY STRATUM ENGINEERING, LLC OR THE SITEWORK SPECIFICATIONS FOR CITY OF SLIDELL, WHICHEVER IS MORE STRINGENT.



REVISION	BY
7-24-14	SMT
ADDENDUM 1	

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SPRINGS AT FREMAUX TOWN CENTER
SLIDELL, LOUISIANA
ST. TAMMANY PARISH
MEMONEE FALLS, WI
FOR CONTINENTAL 294 FUND LLC

DRAWN	DBS
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PROJECT NO.	14-248
FILE	14-248 C-0 COVER
SHEET	C-0

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PROJECT NO.	14-248
FILE	14-248 EASEMENT PLAN
SHEET	C-2.1

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 SLIDEL, LOUISIANA
 ST. TAMMANY PARISH
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 MEMONEE FALLS, WI

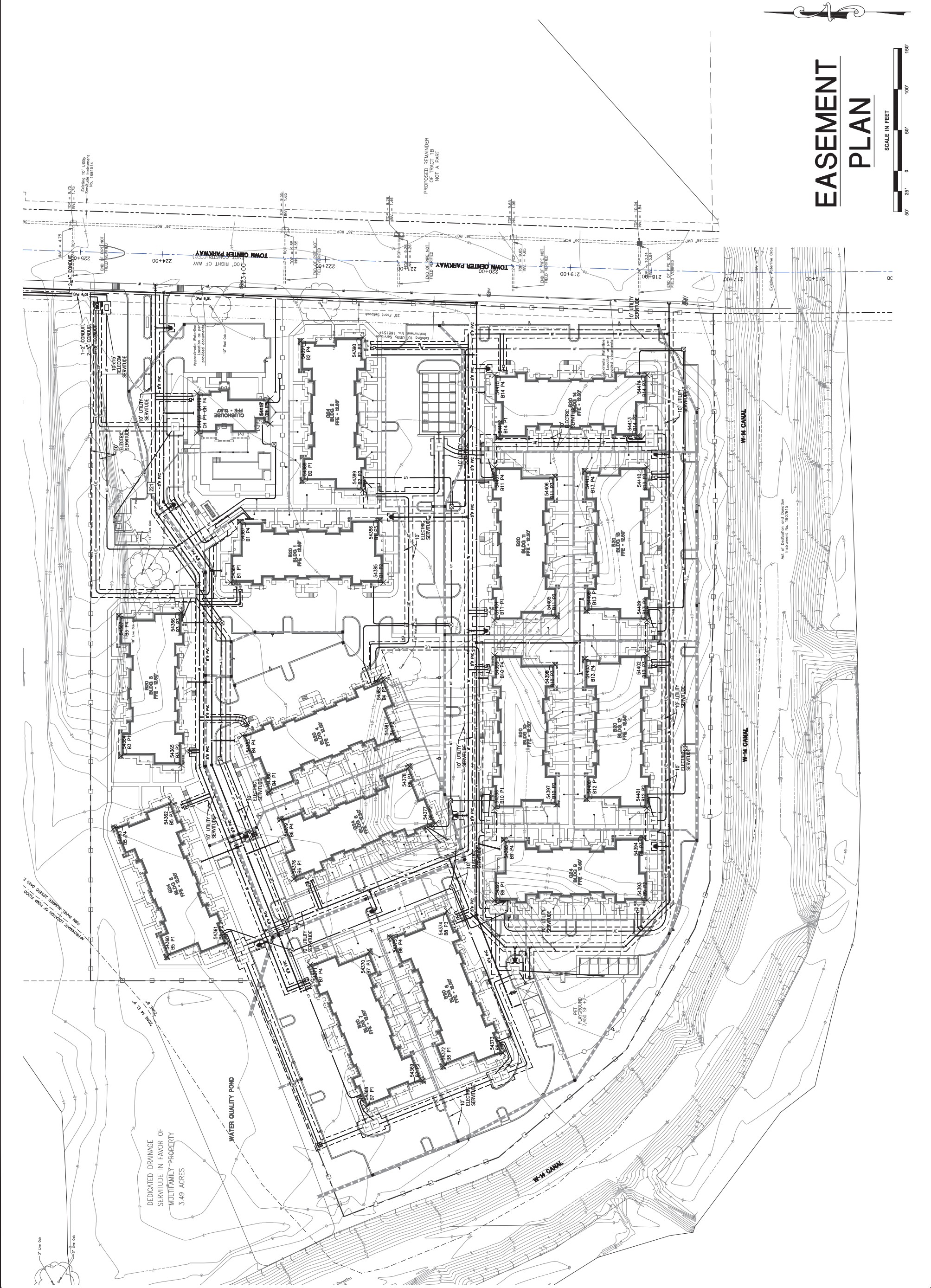
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EASEMENT PLAN

SCALE IN FEET
 0 50' 100' 150'



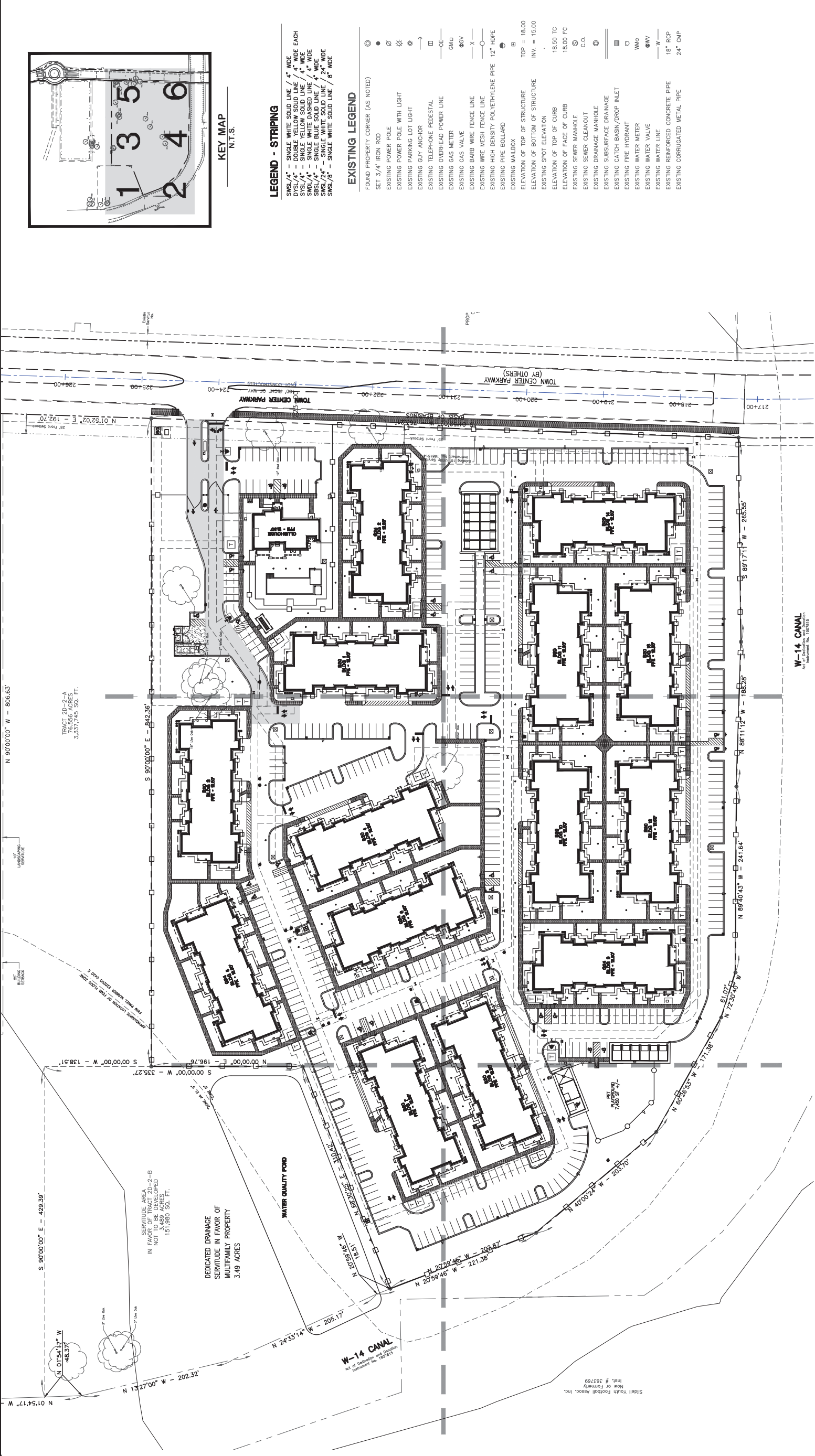
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FILE	14-248 C-3 SITE
SHEET	C-3.0



OVERALL SITE PLAN

SCALE IN FEET
 0 60' 120' 180'

LEGEND - STRIPING
 SWSL/4" - SINGLE WHITE SOLID LINE / 4" WIDE
 DWSL/4" - DOUBLE WHITE SOLID LINE / 4" WIDE EACH
 SYSL/4" - SINGLE YELLOW SOLID LINE / 4" WIDE
 SYDSL/4" - SINGLE YELLOW DASHED LINE / 4" WIDE
 SWSL/2" - SINGLE WHITE SOLID LINE / 2" WIDE
 SWSL/8" - SINGLE WHITE SOLID LINE / 8" WIDE

EXISTING LEGEND
 FOUND PROPERTY CORNER (AS NOTED)
 SET 3/4" IRON ROD
 EXISTING POWER POLE
 EXISTING POWER POLE WITH LIGHT
 EXISTING PARKING LOT LIGHT
 EXISTING GUY ANCHOR
 EXISTING TELEPHONE PEDESTAL
 EXISTING OVERHEAD POWER LINE
 EXISTING GAS METER
 EXISTING GAS VALVE
 EXISTING BARR WIRE FENCE LINE
 EXISTING WIRE MESH FENCE LINE
 EXISTING HIGH DENSITY POLYETHYLENE PIPE 12" HDPE
 EXISTING PIPE BOLLARD
 EXISTING MAILEBOX
 ELEVATION OF TOP OF STRUCTURE
 ELEVATION OF BOTTOM OF STRUCTURE
 EXISTING SPOT ELEVATION
 ELEVATION OF TOP OF CURB
 ELEVATION OF FACE OF CURB
 EXISTING SEWER MANHOLE
 EXISTING SEWER CLEANOUT
 EXISTING DRAINAGE MANHOLE
 EXISTING SUBSURFACE DRAINAGE
 EXISTING CATCH BASIN/DROP INLET
 EXISTING FIRE HYDRANT
 EXISTING WATER METER
 EXISTING WATER VALVE
 EXISTING WATER LINE
 EXISTING REINFORCED CONCRETE PIPE
 EXISTING CORRUGATED METAL PIPE

LEGEND - NEW IMPROVEMENTS

BUILDING	DIRECTIONAL ARROWS
CONCRETE CURB AND GUTTER	FLUME
PARKING SPACES	GARAGES
ADA RAMP	SIDEWALK
HEAVY DUTY CURB OR CONCRETE	DECORATIVE FENCE
STANDARD DUTY CURB OR CONCRETE	CHAINLINK FENCE
SITE LIGHTING POLES	COMMUNICATIONS BOX
FIRE HYDRANT	ELECTRIC BOX
WATER VALVE	TREE TO REMAIN
DOWN SPOUT	ACCESSIBLE STRIPED ISLAND

AREA ANALYSIS	
MULTIFAMILY TRACT	3.49 ACRES
DRAINAGE SERVIDUTE	16.51 ACRES
TOTAL	20.00 ACRES
SITE ANALYSIS	
# OF UNITS	296 UNITS
PARKING	533 SPACES
RATIO	1.80/UNIT

* PARKING REQ. - 2.0 SPACES PER UNIT
 ** PARKING VARIANCE HAS BEEN APPROVED FOR THE PROPOSED PARKING RATIO.

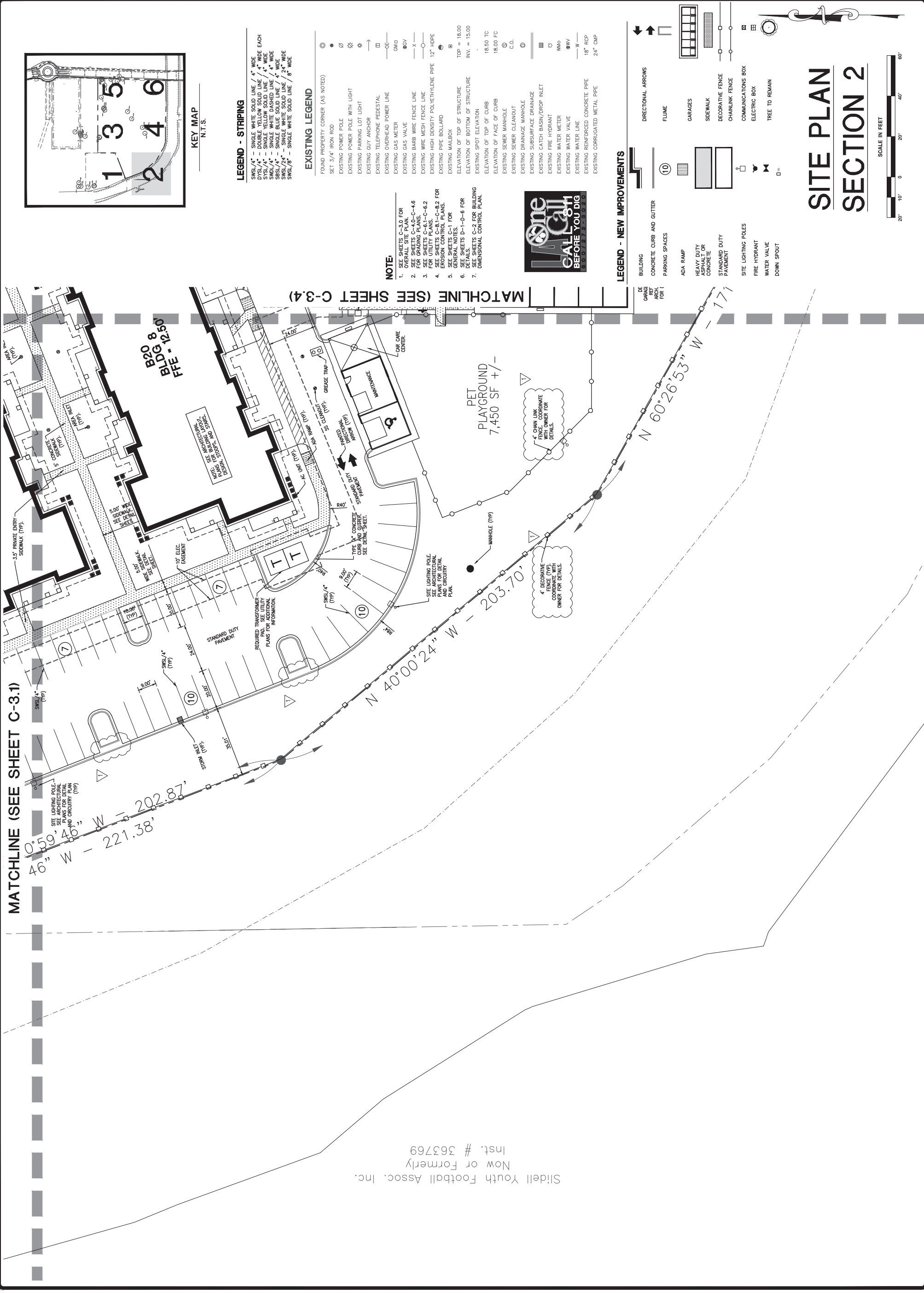
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SHEET	C-3.2



Slidell Youth Football Assoc. Inc.
 Now or Formerly
 Inst. # 363769

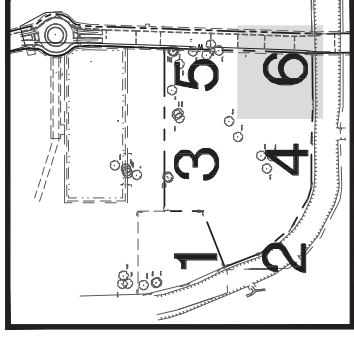
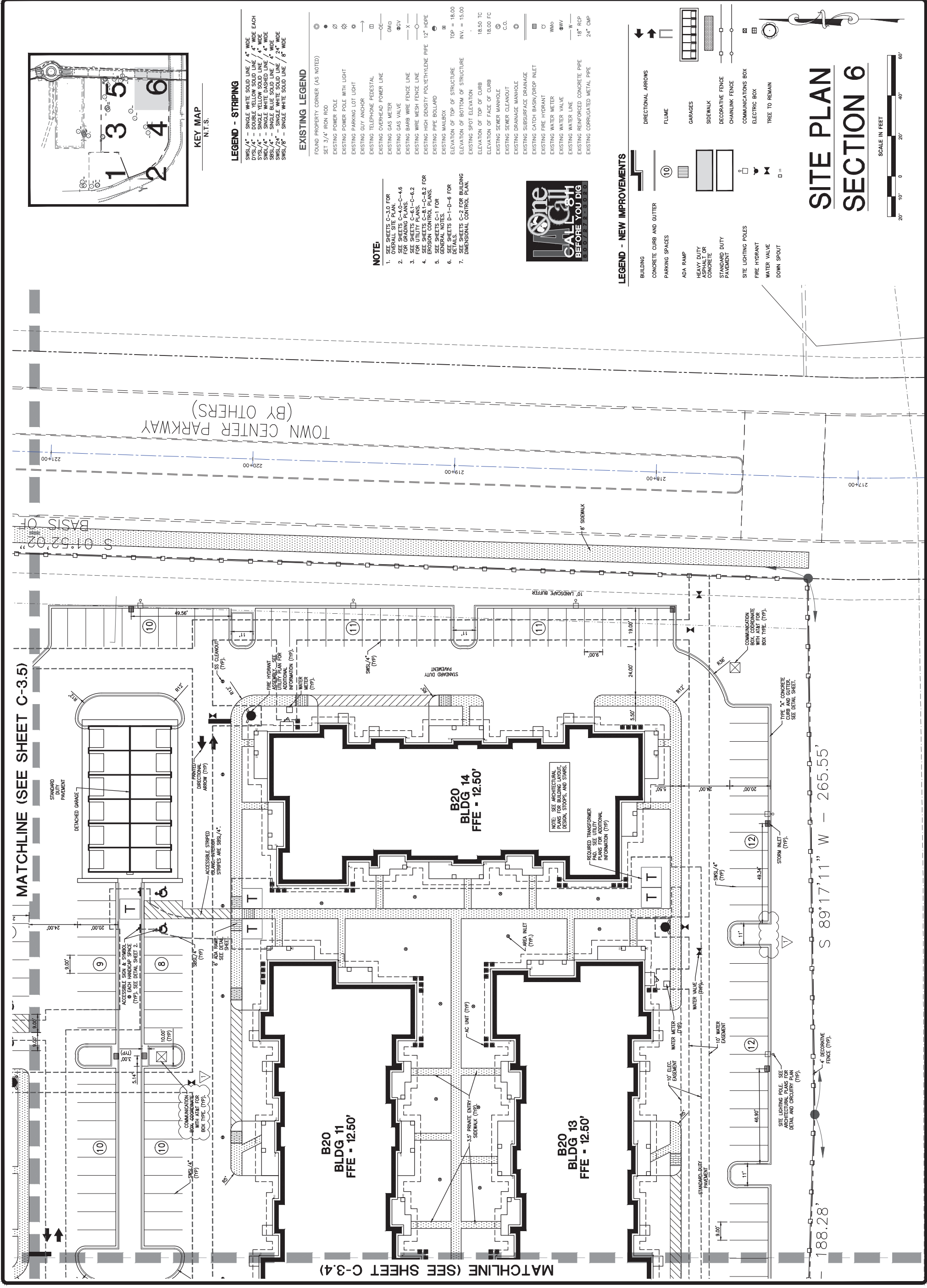
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FILE	14-248 C-3 BITE
SHEET	C-3.6



LEGEND - STRIPING
 SWSL/A" - SINGLE WHITE SOLID LINE / 4" WIDE
 DYSL/A" - DOUBLE YELLOW SOLID LINE / 4" WIDE EACH
 SWSL/A" - SINGLE YELLOW SOLID LINE / 4" WIDE
 SWSL/A" - SINGLE WHITE DASHED LINE / 4" WIDE
 SWSL/A" - SINGLE WHITE SOLID LINE / 8" WIDE
 SWSL/24" - SINGLE WHITE SOLID LINE / 24" WIDE
 SWSL/8" - SINGLE WHITE SOLID LINE / 8" WIDE

EXISTING LEGEND
 FOUND PROPERTY CORNER (AS NOTED)
 SET 3/4" IRON ROD
 EXISTING POWER POLE
 EXISTING POWER POLE WITH LIGHT
 EXISTING PARKING LOT LIGHT
 EXISTING GUY ANCHOR
 EXISTING TELEPHONE PEDESTAL
 EXISTING OVERHEAD POWER LINE
 EXISTING GAS METER
 EXISTING GAS VALVE
 EXISTING BARR WIRE FENCE LINE
 EXISTING BARB WIRE FENCE LINE
 EXISTING WIRE MESH FENCE LINE
 EXISTING HIGH DENSITY POLYETHYLENE PIPE 12" HOPE
 EXISTING PIPE BOLLARD
 EXISTING MAILBOX
 ELEVATION OF TOP OF STRUCTURE
 ELEVATION OF BOTTOM OF STRUCTURE
 EXISTING SPOT ELEVATION
 ELEVATION OF TOP OF CURB
 ELEVATION OF FACE OF CURB
 EXISTING SEWER MANHOLE
 EXISTING SEWER CLEANOUT
 EXISTING DRAINAGE MANHOLE
 EXISTING SUBSURFACE DRAINAGE
 EXISTING CATCH BASIN/DROP INLET
 EXISTING FIRE HYDRANT
 EXISTING WATER METER
 EXISTING WATER VALVE
 EXISTING WATER LINE
 EXISTING REINFORCED CONCRETE PIPE
 EXISTING CORRUGATED METAL PIPE

NOTE:
 1. SEE SHEETS C-3.0 FOR OVERALL SITE PLAN.
 2. SEE SHEETS C-4.0-C-4.6 FOR GRADING PLANS.
 3. SEE SHEETS C-6.0-C-6.2 FOR EROSION CONTROL PLANS.
 4. SEE SHEETS C-8.1-C-8.2 FOR EROSION CONTROL PLANS.
 5. SEE SHEETS C-1 FOR GENERAL NOTES.
 6. SEE SHEETS D-1-D-6 FOR DETAILS.
 7. SEE SHEETS C-2 FOR BUILDING DIMENSIONAL CONTROL PLAN.



LEGEND - NEW IMPROVEMENTS
 BUILDING
 CONCRETE CURB AND GUTTER
 PARKING SPACES
 ADA RAMP
 HEAVY DUTY ASPHALT OR CONCRETE
 STANDARD DUTY PAVEMENT
 SITE LIGHTING POLES
 FIRE HYDRANT
 WATER VALVE
 DOWN SCOUT
 DIRECTIONAL ARROWS
 FLUME
 GARAGES
 SIDEWALK
 DECORATIVE FENCE
 CHAINLINK FENCE
 COMMUNICATIONS BOX
 ELECTRIC BOX
 TREE TO REMAIN

SITE PLAN SECTION 6



MATCHLINE (SEE SHEET C-3.5)

MATCHLINE (SEE SHEET C-3.4)

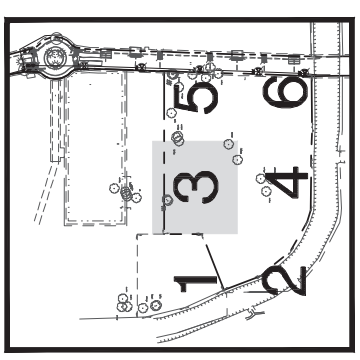
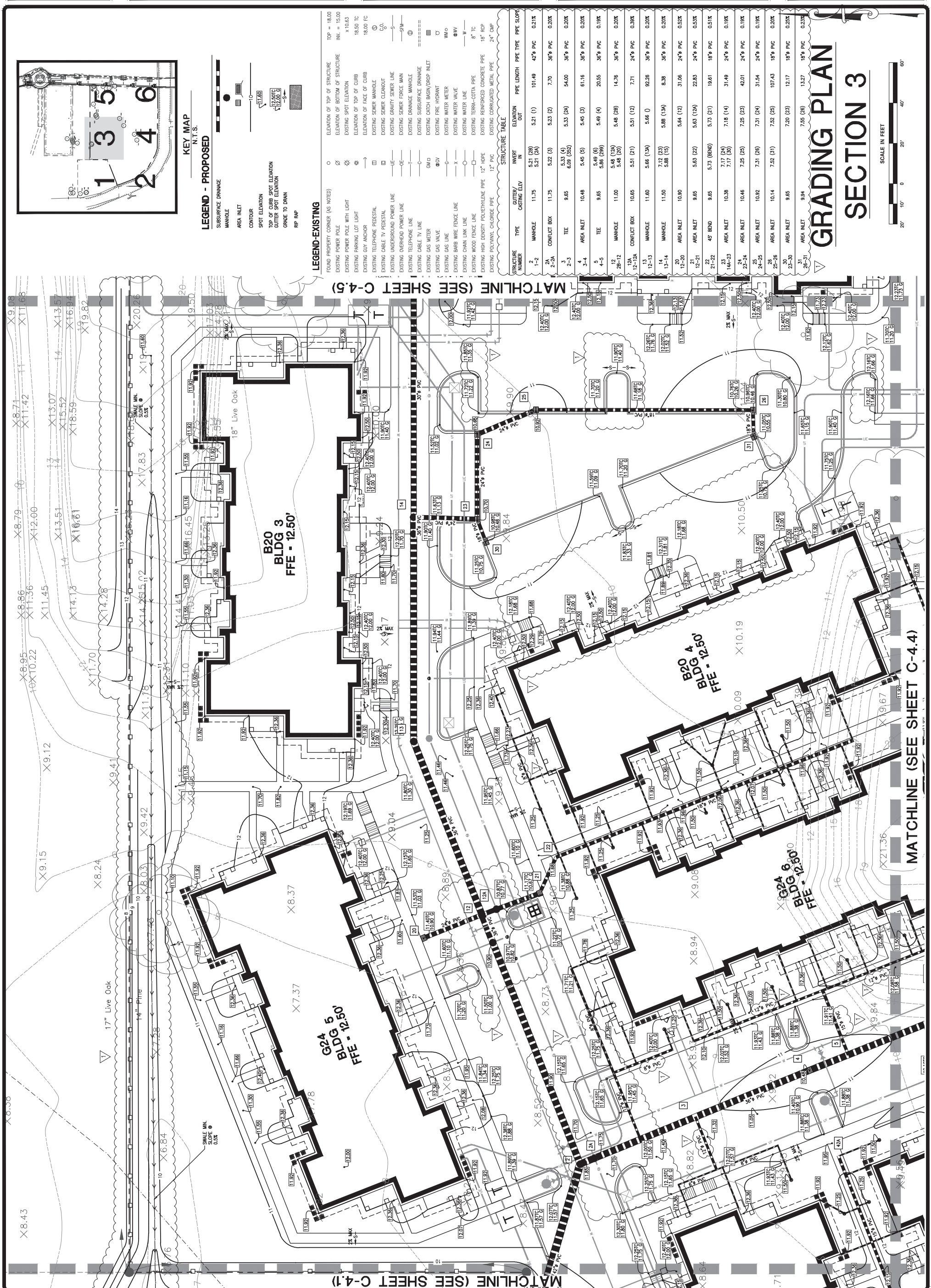
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 Dupontants E. Bordiloux, P.E. #35451

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 ST. TAMMANY PARISH
 MEMONREE FALLS, WI
 FOR CONTINENTAL 294 FUND LLC

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FILE	14-248 C-4 GRADING
SHEET	C-4.3



LEGEND - PROPOSED

- SURFACE DRAINAGE
- MANHOLE
- AREA INLET
- CONTOUR
- SPOT ELEVATION
- TOP OF CURB SPOT ELEVATION
- OUTTER SPOT ELEVATION
- GRADE TO DRAIN
- RP RMP

LEGEND - EXISTING

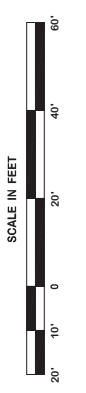
- FOUND PROPERTY CORNER (AS NOTED)
- EXISTING POWER POLE
- EXISTING POWER POLE WITH LIGHT
- EXISTING PARKING LOT LIGHT
- EXISTING GUY ANCHOR
- EXISTING TELEPHONE PEDESTAL
- EXISTING CABLE TV PEDESTAL
- EXISTING UNDERGROUND POWER LINE
- EXISTING OVERHEAD POWER LINE
- EXISTING TELEPHONE LINE
- EXISTING CABLE TV LINE
- EXISTING GAS METER
- EXISTING GAS VALVE
- EXISTING GAS LINE
- EXISTING BARR WIRE FENCE LINE
- EXISTING WATER VALVE
- EXISTING WATER LINE
- EXISTING CHAIN LINK LINE
- EXISTING WOOD FENCE LINE
- EXISTING HIGH DENSITY POLYETHYLENE PIPE 12" HDPE
- EXISTING POLYVINYL CHLORIDE PIPE 12" PVC
- EXISTING CORRUGATED METAL PIPE 24" CMP

STRUCTURE TABLE

STRUCTURE NUMBER	TYPE	CUTTER/CASTING ELEV	ELEVATION IN	ELEVATION OUT	PIPE LENGTH	PIPE TYPE	PIPE SLOPE
1-2	MANHOLE	11.75	5.21 (28)	5.21 (24)	101.49	42" PVC	0.21%
2A	CONDUIT BOX	11.75	5.22 (3)	5.23 (2)	7.70	36" PVC	0.20%
3	TEE	9.65	5.33 (4)	5.33 (2)	54.00	36" PVC	0.20%
3-4	AREA INLET	10.48	5.45 (6)	5.45 (3)	61.16	36" PVC	0.20%
4	TEE	9.65	5.86 (289)	5.49 (4)	20.55	36" PVC	0.18%
5	TEE	11.00	5.18 (10)	5.48 (28)	14.76	36" PVC	0.20%
12A	CONDUIT BOX	10.65	5.51 (21)	5.51 (12)	7.71	24" PVC	0.39%
12-13	MANHOLE	11.60	5.66 (19)	5.66 (0)	92.28	36" PVC	0.20%
13-14	MANHOLE	11.50	7.12 (23)	5.88 (19)	8.38	36" PVC	0.20%
19-20	AREA INLET	10.90	5.84 (12)	5.83 (12)	31.06	24" PVC	0.52%
21	AREA INLET	9.65	5.63 (22)	5.63 (12)	22.83	24" PVC	0.53%
22	45° BEND	9.65	5.73 (21)	5.73 (21)	19.61	18" PVC	0.51%
23	AREA INLET	10.38	7.17 (24)	7.18 (14)	31.49	24" PVC	0.18%
24	AREA INLET	10.46	7.25 (25)	7.25 (23)	42.01	24" PVC	0.18%
25	AREA INLET	10.92	7.31 (26)	7.31 (24)	31.54	24" PVC	0.18%
26	AREA INLET	10.14	7.52 (31)	7.52 (25)	107.43	18" PVC	0.20%
27	AREA INLET	9.65	7.20 (23)	7.20 (23)	12.17	18" PVC	0.23%
28-31	AREA INLET	9.94	7.55 (26)	7.55 (26)	13.27	18" PVC	0.23%

GRADING PLAN

SECTION 3



MATCHLINE (SEE SHEET C-4.1)

MATCHLINE (SEE SHEET C-4.5)

MATCHLINE (SEE SHEET C-4.4)

MATCHLINE (SEE SHEET C-4.1)

MATCHLINE (SEE SHEET C-4.5)

MATCHLINE (SEE SHEET C-4.4)

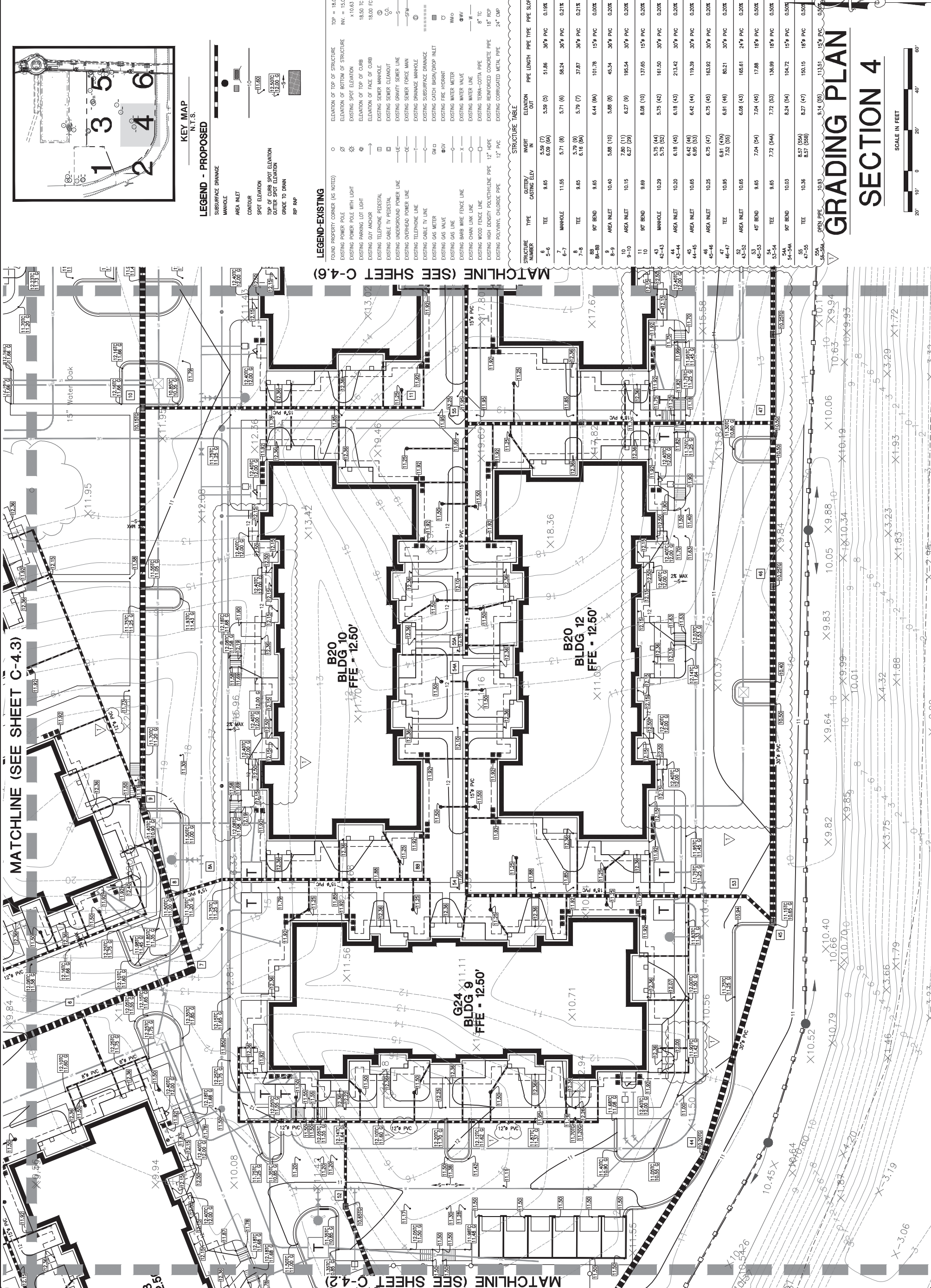
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GRADING PLAN
SECTION 4

SCALE IN FEET
 20' 10' 0' 20' 40' 60'

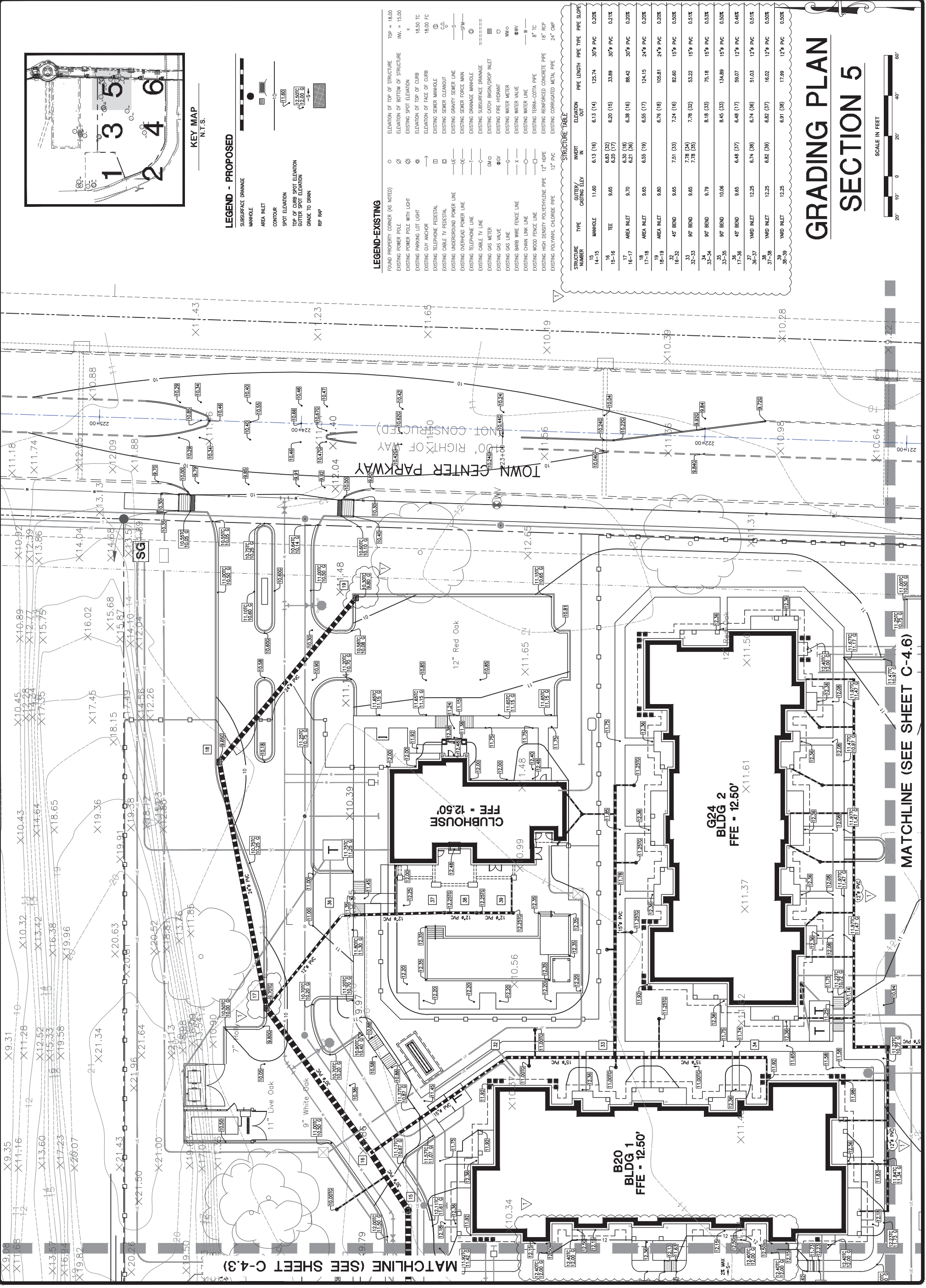
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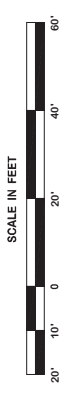
SPRINGS AT FREMAUX TOWN CENTER
 SLIDEL, LOUISIANA
 ST. TAMMANY PARISH
 MEMONEE FALLS, WI
 FOR CONTINENTAL 294 FUND LLC

DRAWN	DESS
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ISSUED FOR	PERMITTING
PROJECT NO.	14-248
FILE	14-248 C-4 GRADING
SHEET	C-4.5



TOWN CENTER PARKWAY (NOT CONSTRUCTED)
 100' RIGHT OF WAY

GRADING PLAN SECTION 5

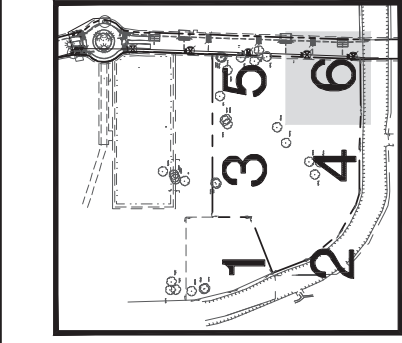
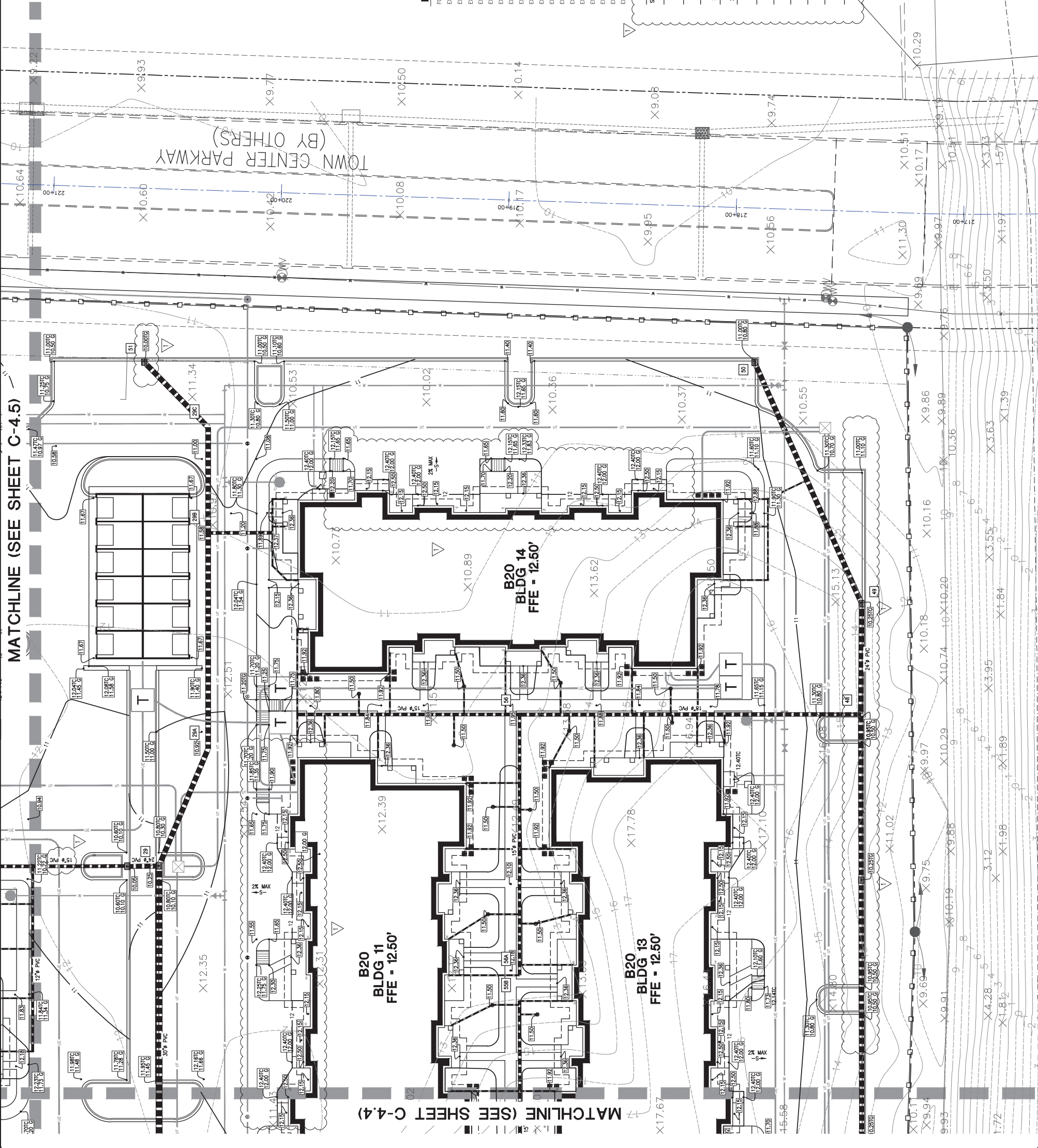


MATCHLINE (SEE SHEET C-4.3)

MATCHLINE (SEE SHEET C-4.6)

MATCHLINE (SEE SHEET C-4.5)

MATCHLINE (SEE SHEET C-4.4)



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ADDENDUM 1	

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SPRINGS AT FREMAUX TOWN CENTER
 ST. TAMMANY PARISH
 MEMONREE FALLS, WI
 FOR CONTINENTAL 294 FUND LLC

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SHEET	C-4.6

LEGEND - PROPOSED

- SUBSURFACE DRAINAGE
- MANHOLE
- AREA INLET
- CONTOUR
- SPOT ELEVATION
- TOP OF CURB SPOT ELEVATION
- OUTLET SPOT ELEVATION
- GRADE TO DRAIN
- RIP RMP

LEGEND-EXISTING

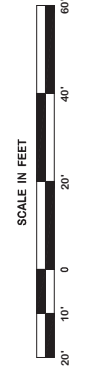
- FOUND PROPERTY CORNER (AS NOTED)
- EXISTING POWER POLE
- EXISTING POWER POLE WITH LIGHT
- EXISTING PARKING LOT LIGHT
- EXISTING ELEVATION OF FACE OF CURB
- EXISTING ELEVATION OF FACE OF CURB
- EXISTING SEWER MANHOLE
- EXISTING SEWER CLEANOUT
- EXISTING GRABBY SEWER LINE
- EXISTING SEWER FORCE MAIN
- EXISTING DRAINAGE MANHOLE
- EXISTING SUBSURFACE DRAINAGE
- EXISTING CATCH BASIN/PROOP INLET
- EXISTING FIRE HYDRANT
- EXISTING WATER METER
- EXISTING WATER VALVE
- EXISTING CHAIN LINK FENCE
- EXISTING WOOD FENCE
- EXISTING HIGH DENSITY POLYETHYLENE PIPE 12" HOPE
- EXISTING POLYVINYL CHLORIDE PIPE 12" PVC
- EXISTING CORRUGATED METAL PIPE 24" CMP

STRUCTURE TABLE

STRUCTURE NUMBER	TYPE	CUTTER/CASTING ELEV	INVERT	ELEVATION OUT	PIPE LENGTH	PIPE TYPE	PIPE SLOPE
29	AREA INLET	10.25	6.58 (29A)	6.58 (10)	157.37	30" PVC	0.20%
29A	22.5 BEND	9.32	6.68 (29B)	6.68 (29)	55.81	24" PVC	0.20%
29B	OPEN PIPE	9.50	6.88 (29C)	6.88 (29A)	94.76	24" PVC	0.20%
29C	45 BEND	12.89	6.97 (51)	6.97 (29B)	46.33	24" PVC	0.19%
48	TEE	11.11	8.28 (49)	7.38 (47B)	72.84	24" PVC	0.20%
48-49	AREA INLET	10.25	7.48 (50)	7.48 (48)	48.61	24" PVC	0.20%
50	AREA INLET	10.65	7.71 (49)	7.71 (49)	116.09	24" PVC	0.20%
51	AREA INLET	10.00	7.05 (50C)	7.05 (50C)	40.20	24" PVC	0.20%
55B	90 BEND	10.89	9.10 (55)	9.10 (55)	105.67	15" PVC	0.50%
56	TEE	11.66	9.03 (56A)	9.03 (48)	148.94	18" PVC	0.50%
56A	90 BEND	11.68	9.60 (56)	9.60 (56)	114.33	15" PVC	0.50%

GRADING PLAN

SECTION 6



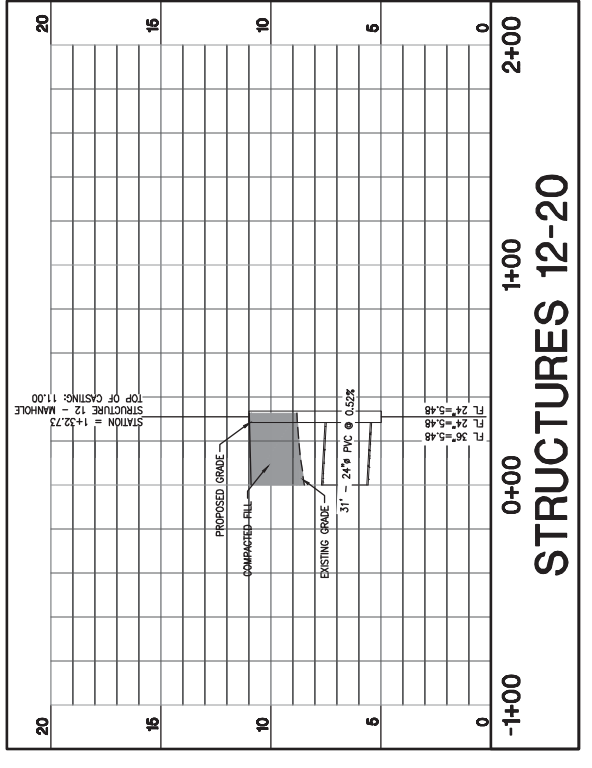
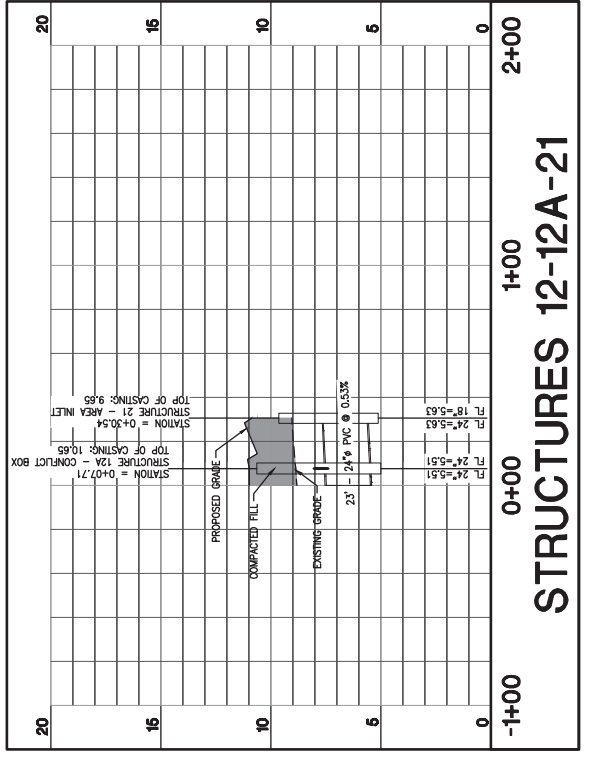
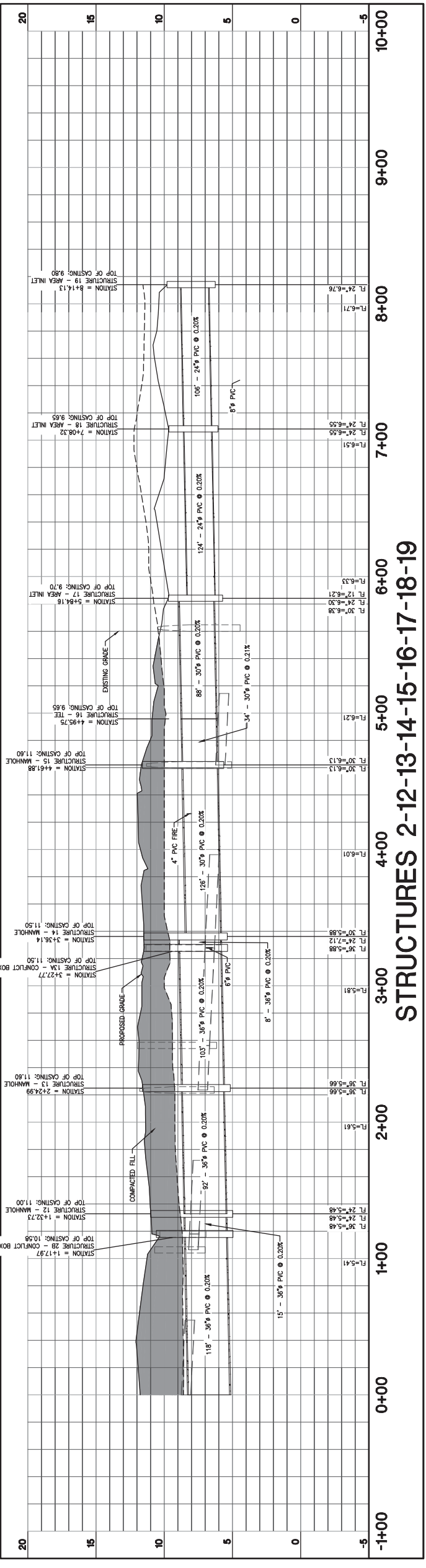
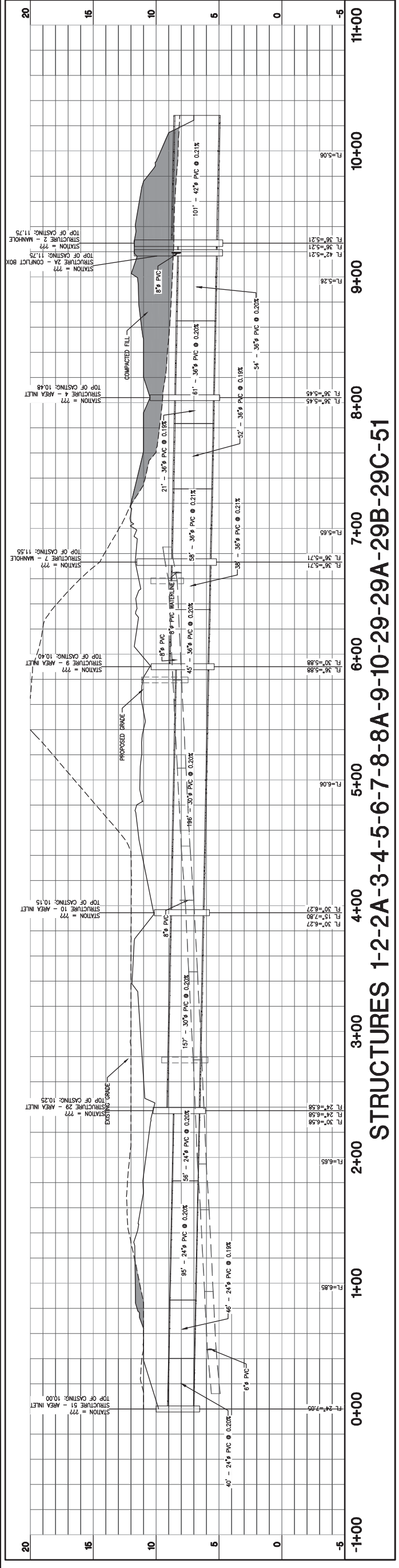
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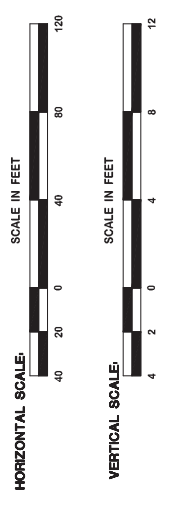
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SPRINGS AT FREMAUX TOWN CENTER
 ST. TAMMANY PARISH
 FOR CONTINENTAL 294 FUND LLC
 MEMMONEE FALLS, WI

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ISSUED FOR	PERMITTING
PROJECT NO.	14-248
FILE	4-248 C-6 STORM PROFILES
SHEET	C-5.1



STORM PROFILE SHEET 1



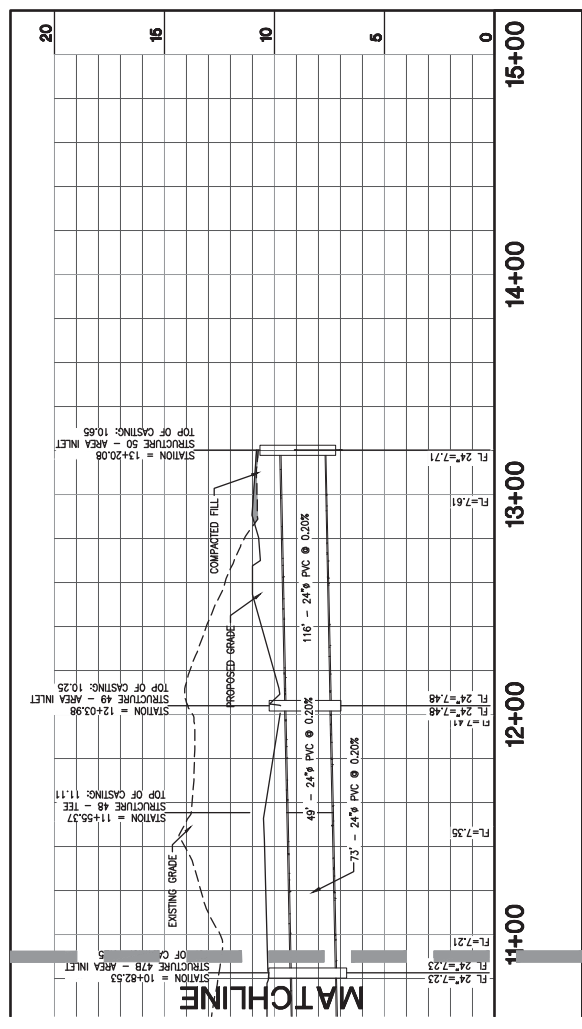
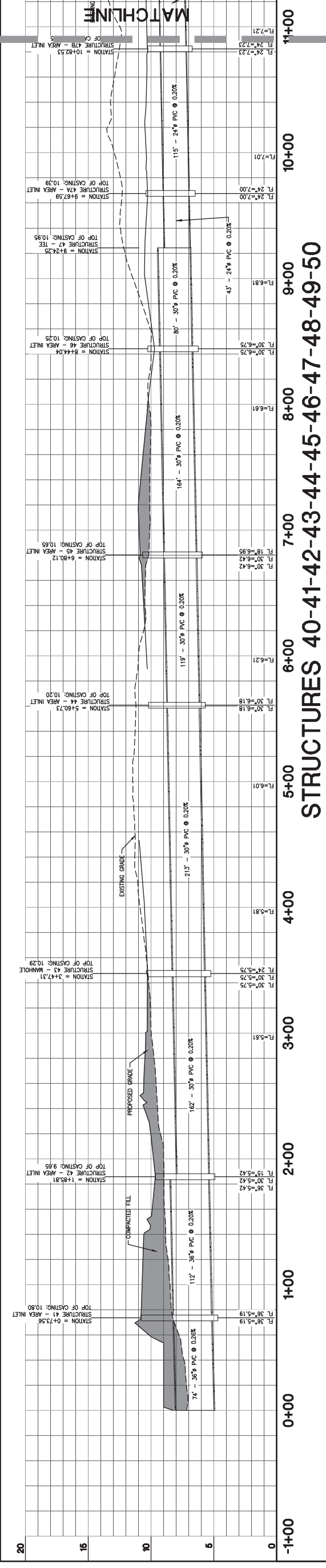
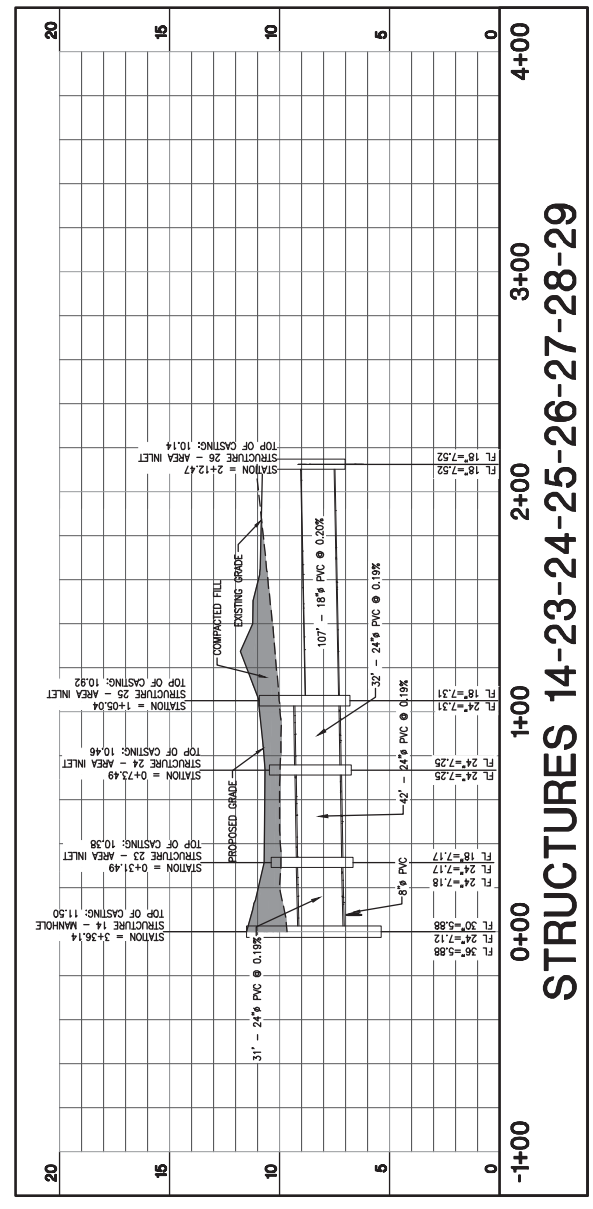
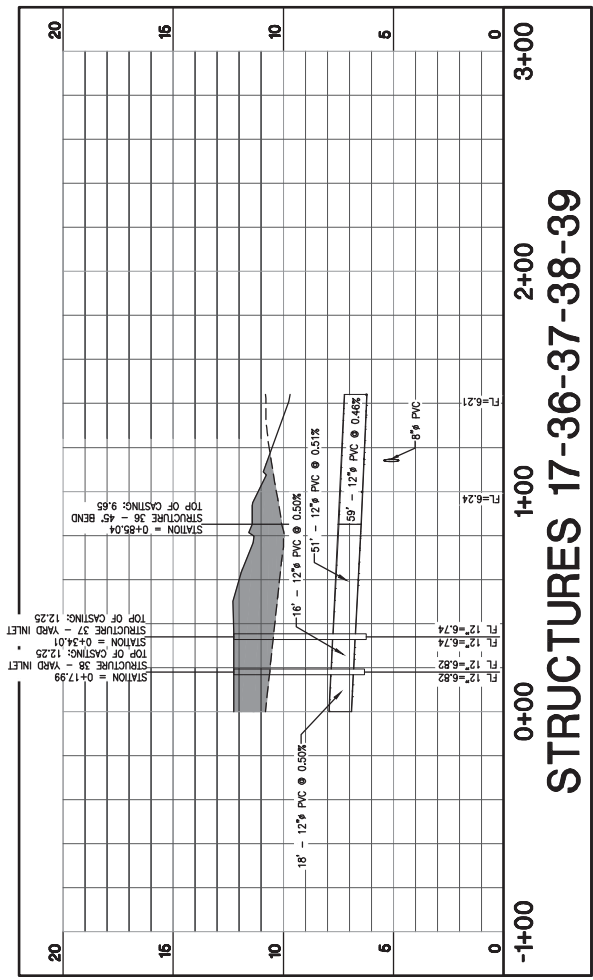
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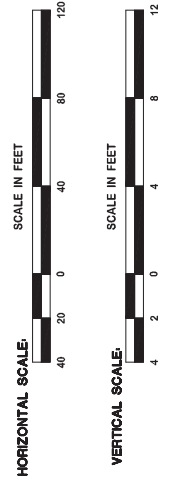
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SHEET	C-5.2



STORM PROFILE

SHEET 2



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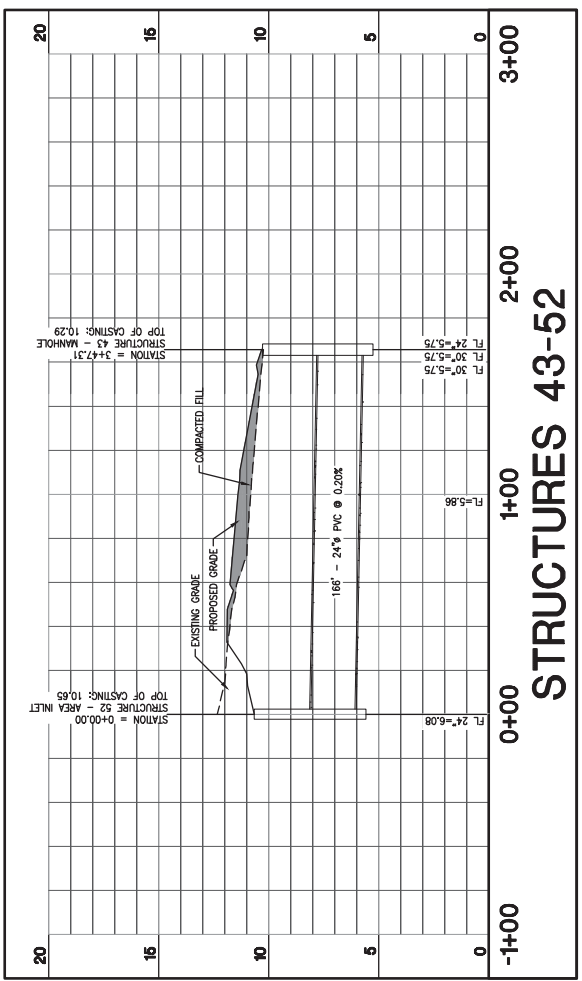
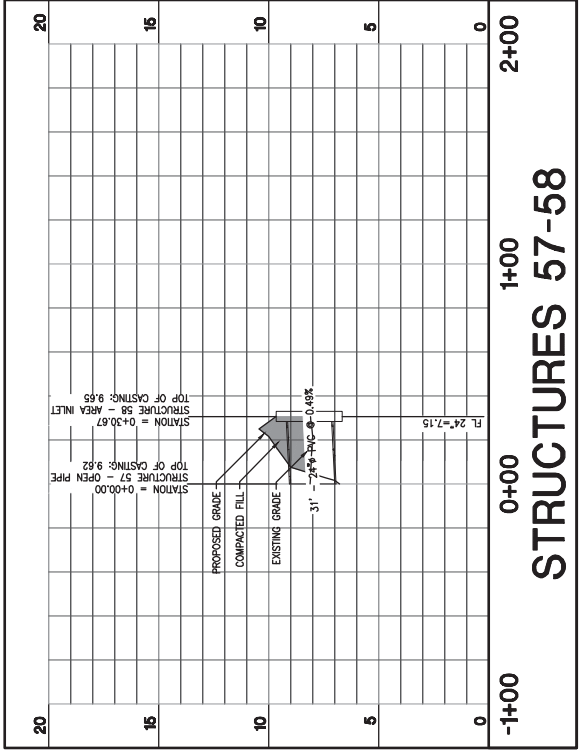
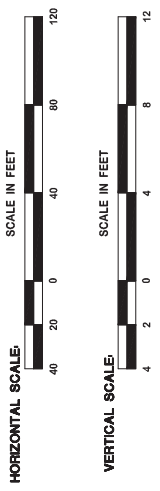
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SPRINGS AT FREMAUX TOWN CENTER
 SLIDELL, LOUISIANA
 ST. TAMMANY PARISH
 FOR CONTINENTAL 294 FUND LLC
 MEMONEE FALLS, WI

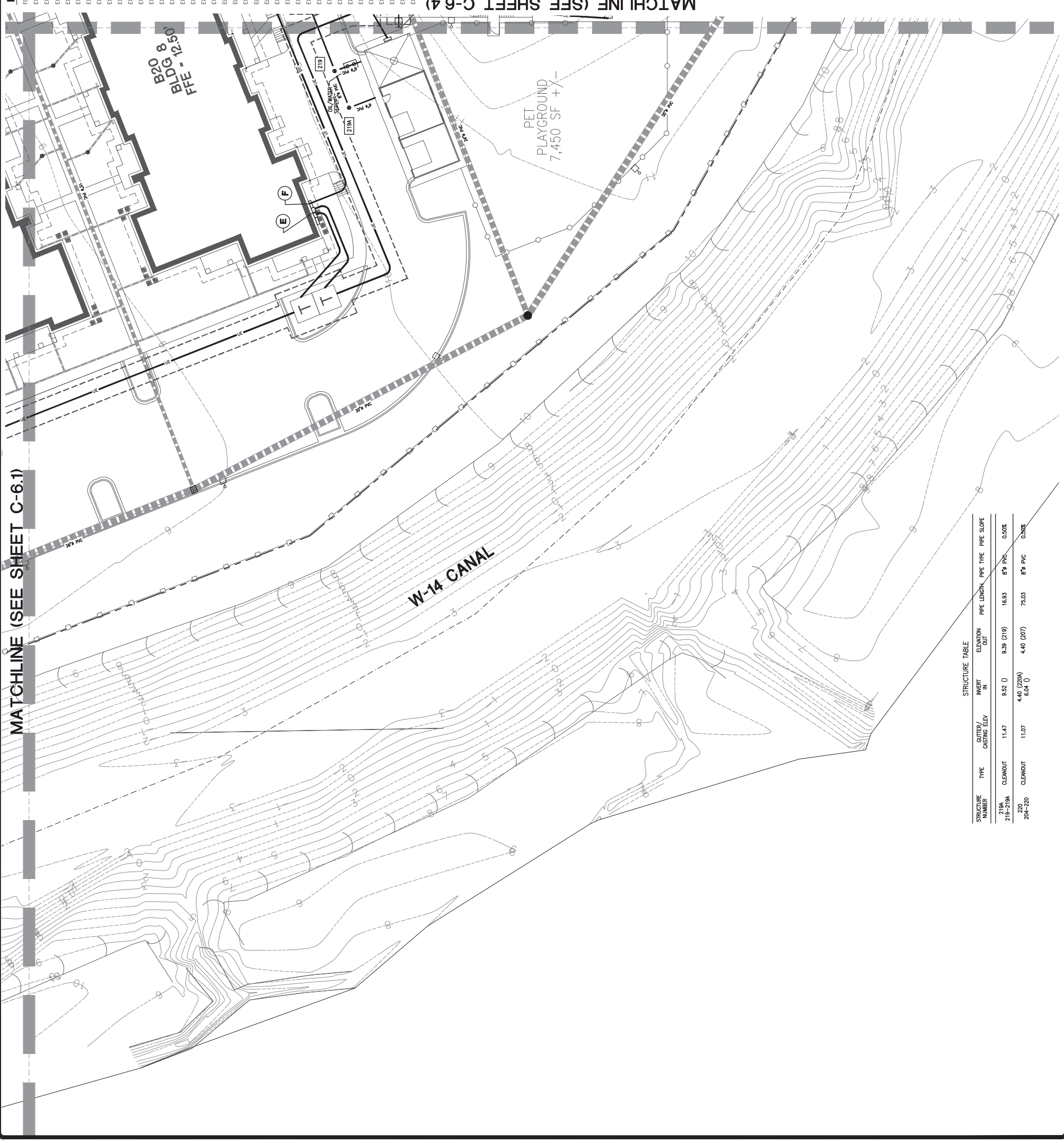
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PROJECT NO.	14-248
FILE	14-248 C-6 STORM PROFILES
SHEET	C-5.3

STORM PROFILE

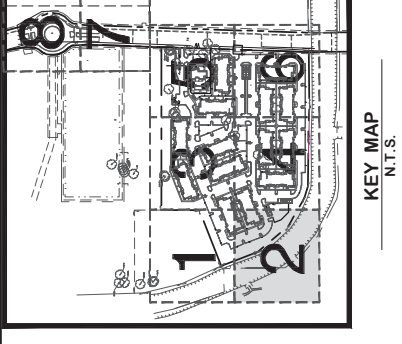
SHEET 3



MATCHLINE (SEE SHEET C-6.1)



- LEGEND-EXISTING**
- FOUND PROPERTY CORNER (AS NOTED)
 - ⊙ EXISTING POWER POLE
 - ⊗ EXISTING POWER POLE WITH LIGHT
 - ⊛ EXISTING PARKING LOT LIGHT
 - ⊙ EXISTING GUY ANCHOR
 - ⊙ EXISTING TELEPHONE PEDESTAL
 - ⊙ EXISTING CABLE TV PEDESTAL
 - ⊙ EXISTING UNDERGROUND POWER LINE
 - ⊙ EXISTING OVERHEAD POWER LINE
 - ⊙ EXISTING TELEPHONE LINE
 - ⊙ EXISTING CABLE TV LINE
 - ⊙ EXISTING GAS METER
 - ⊙ EXISTING GAS VALVE
 - ⊙ EXISTING GAS LINE
 - ⊙ EXISTING BARB WIRE FENCE LINE
 - ⊙ EXISTING CHAIN LINK LINE
 - ⊙ EXISTING WOOD FENCE LINE
 - ⊙ EXISTING HIGH DENSITY POLYETHYLENE PIPE
 - ⊙ EXISTING POLYVINYL CHLORIDE PIPE
 - 12" PVC
 - TOP = 16.00
 - INV. = 15.00
 - x10.63
 - 18.50 TC
 - 18.00 TC
 - 18" TC
 - 18" RCP
 - 24" CMP



- LEGEND - NEW IMPROVEMENTS**
- WATERLINE
 - SANITARY SEWERLINE
 - GAS LINE
 - UNDERGROUND ELECTRIC (3" TP)
 - UNDERGROUND TELEPHONE (2" - 4" TP)
 - STORM DRAIN SYSTEM
 - POWER POLE
 - SEWER MANHOLE AND STRUCTURE #
 - FULL DEPTH SAWCUT AND PAVEMENT PATCHING
 - TELEPHONE PEDESTAL
 - CLEANOUT
 - OIL/WATER SEPARATOR
 - WATER VALVE
 - WATER METER
 - DOUBLE DETECTOR CHECK BACKFLOW PREVENTER
 - FIRE HYDRANT
 - AT&T HAND HOLE
 - AT&T NEMA BOX (0-MARK)
 - ELECTRICAL PULL BOXES
 - TRANSFORMER PAD
 - REFER TO SHEET C-6.0 FOR DETAIL

- UTILITY LEGEND**
- A SANITARY SEWER LATERAL AT MINIMUM 1.00% SLOPE WITH CLEANOUT
 - B DOMESTIC WATER ENTRY CONTRACTOR TO COORDINATE WITH ARCHITECTURAL PLANS FOR EXACT ENTRY LOCATION INTO BUILDING. CONTRACTOR IS REQUIRED TO INSTALL AN RPZ BACKFLOW PREVENTER ON THE BUILDING, AS SHOWN. CONTRACTOR TO COORDINATE WITH CITY OF MEMPHIS FOR DETAILS. THE DOMESTIC WATER METER SHALL BE SET OUTSIDE THE BUILDING TO COORDINATE WITH PROJECT MANAGER.
 - C IRRIGATION METER CONTRACTOR TO COORDINATE WITH LANDSCAPE PLANS FOR DETAILS. CONTRACTOR TO COORDINATE WITH CITY OF MEMPHIS FOR DETAILS.
 - D ARCHITECTURE SHALL PROVIDE EXACT ENTRY LOCATION INTO BUILDING. CONTRACTOR IS REQUIRED TO INSTALL A DOUBLE DETECTOR CHECK BACKFLOW PREVENTER ON 4" FIRE LINE INSIDE THE BUILDING. REFER TO ARCHITECTURAL PLANS FOR DETAILS.
 - E UNDERGROUND ELECTRIC CLECO WILL PROVIDE PAD MOUNTED TRANSFORMER. CONTRACTOR SHALL SUPPLY CONCRETE PAD AND CONDUIT FROM THE PAD LOCATION AT THE RIGHT OF WAY TO THE BUILDING. CONTRACTOR TO PROVIDE THE CONTRACTOR TO PROVIDE 1"-4" SECONDARY CONDUIT TO THE BUILDING. CONTRACTOR TO PROVIDE ARCHITECTURAL PLANS FOR ENTRY LOCATION & METER DESIGN.
 - F UNDERGROUND TELEPHONE WIRING TO BE EXTENDED TO BUILDING BY AT&T. CONTRACTOR SHALL INSTALL (2) 4" CONDUIT FOR UNDERGROUND TELEPHONE WIRING TO BE EXTENDED TO BUILDING. CONTRACTOR SHALL COORDINATE WITH TELEPHONE COMPANY FOR SAID WORK. REFER TO ARCHITECTURAL PLANS FOR ENTRY LOCATION, PANEL SIZE, & GROUND.
 - G FIRE HYDRANT & ASSEMBLY CONTRACTOR TO COORDINATE WITH CITY OF MEMPHIS DEPARTMENT FOR FIRE HYDRANT TYPE & ASSEMBLY. TYPICAL AS INDICATED.
 - H 2" SICAL CONDUIT SYSTEM CONTRACTOR TO COORDINATE WITH THE DEVELOPER FOR INSTALLATION OF CONDUIT AND SIGN.
 - I UNDERGROUND GAS TO BE EXTENDED FROM PROPOSED PROPANE TANK TO BUILDING. CONTRACTOR TO EXTEND A 1/2" CONDUIT. COORDINATE WITH THE OWNER FOR DETAILS OF PROPANE TANK.

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7-24-14	SMT
ADDENDUM 1	

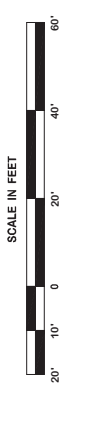
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SPRINGS AT FREMAUX TOWN CENTER
ST. TAMMANY PARISH
MEMMONEE FALLS, WI
FOR CONTINENTAL 294 FUND LLC

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FILE	14-248 C-6 UTILITY
SHEET	C-6.2

UTILITY PLAN SECTION 2



STRUCTURE TABLE

STRUCTURE NUMBER	TYPE	GUTTER/CASTING ELEV.	INVERT IN	ELEVATION OUT	PIPE LENGTH	PIPE TYPE	PIPE SLOPE
219A	CLEANOUT	11.47	9.52 (0)	9.39 (219)	16.53	8" PVC	0.50%
220	CLEANOUT	11.07	4.40 (220A)	4.40 (207)	75.03	8" PVC	0.50%
204-220	CLEANOUT		6.04 (0)				

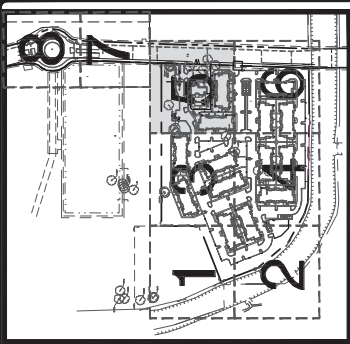
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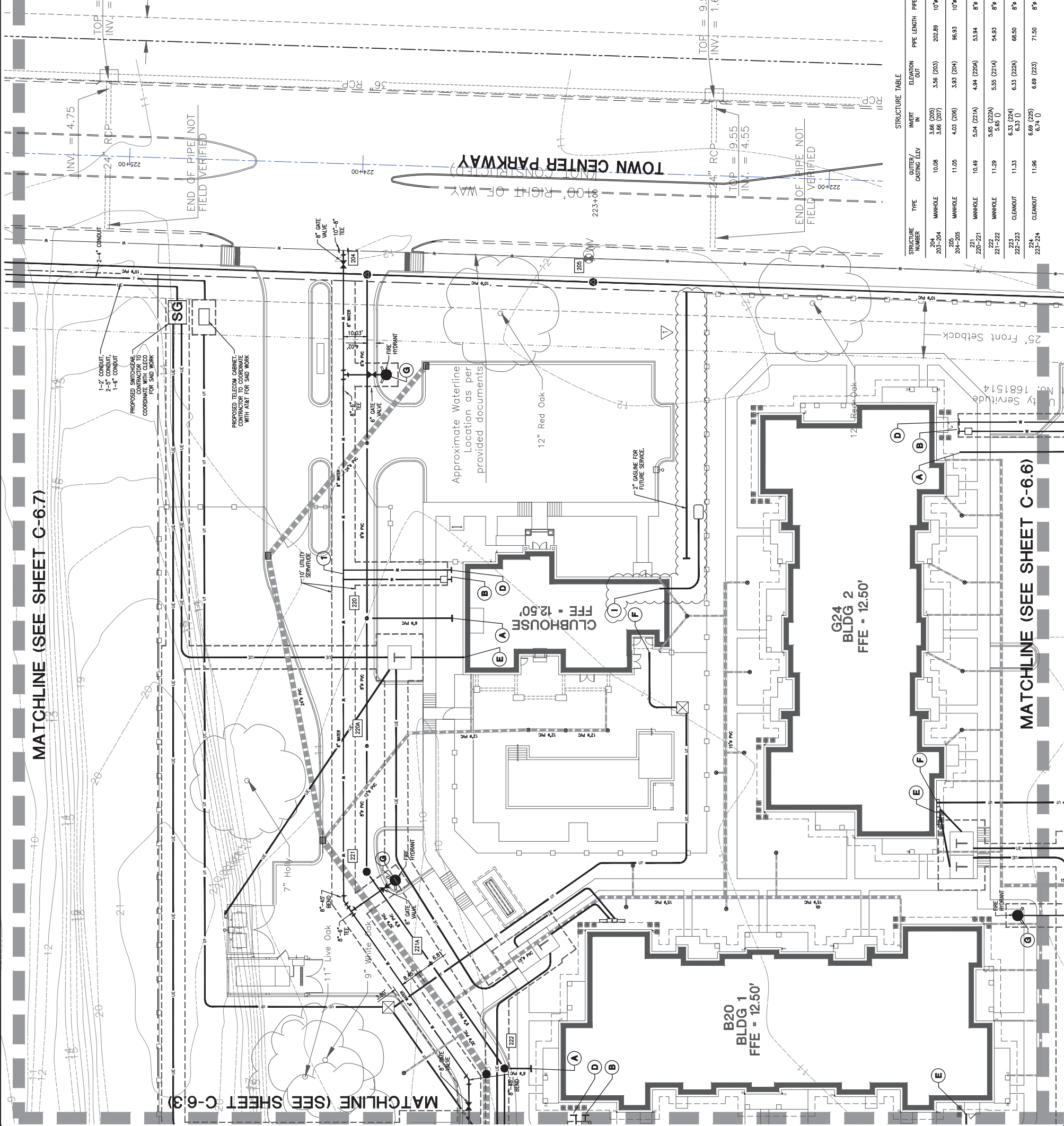
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FILE	14-248 C-8 UTILITY
SHEET	C-6.5



- LEGEND - EXISTING**
- FOUND PROPERTY CORNER (AS NOTED)
 - EXISTING POWER POLE
 - EXISTING POWER POLE WITH LIGHT
 - EXISTING PARKING LOT LIGHT
 - EXISTING GUY ANCHOR
 - EXISTING TELEPHONE PEDESTAL
 - EXISTING CABLE TV PEDESTAL
 - EXISTING UNDERGROUND POWER LINE
 - EXISTING OVERHEAD POWER LINE
 - EXISTING TELEPHONE LINE
 - EXISTING CABLE TV LINE
 - EXISTING GAS METER
 - EXISTING GAS VALVE
 - EXISTING GAS LINE
 - EXISTING BARR WIRE FENCE LINE
 - EXISTING CHAIN LINK LINE
 - EXISTING WOOD FENCE LINE
 - EXISTING HIGH DENSITY POLYETHYLENE PIPE
 - EXISTING POLYVINYL CHLORIDE PIPE
 - ELEVATION OF TOP OF STRUCTURE
 - ELEVATION OF BOTTOM OF STRUCTURE
 - EXISTING SPOT ELEVATION
 - ELEVATION OF TOP OF CURB
 - ELEVATION OF FACE OF CURB
 - EXISTING SEWER MANHOLE
 - EXISTING SEWER CLEANOUT
 - EXISTING GRAVITY SEWER LINE
 - EXISTING SEWER FORCE MAIN
 - EXISTING DRAINAGE MANHOLE
 - EXISTING SUBSURFACE DRAINAGE
 - EXISTING CATCH BASIN/DROP INLET
 - EXISTING FIRE HYDRANT
 - EXISTING WATER METER
 - EXISTING WATER VALVE
 - EXISTING WATER LINE
 - EXISTING TERRA-COTTA PIPE
 - EXISTING REINFORCED CONCRETE PIPE
 - EXISTING CORRUGATED METAL PIPE

- LEGEND - NEW IMPROVEMENTS**
- WATERLINE
 - SANITARY SEWERLINE
 - GAS LINE
 - UNDERGROUND ELECTRIC (5" TP)
 - UNDERGROUND TELEPHONE (2 - 4" TP)
 - STORM DRAIN SYSTEM
 - POWER POLE
 - SEWER MANHOLE AND STRUCTURE #
 - FULL DEPTH SAMCUT AND PAVEMENT PATCHING
 - TELEPHONE PEDESTAL
 - CLEANOUT
 - OIL/WATER SEPARATOR
 - WATER VALVE
 - WATER METER
 - DOUBLE DETECTOR CHECK BACKFLOW PREVENTER
 - FIRE HYDRANT
 - AT&T HAND HOLE
 - AT&T NEMA BOX (0-MARK)
 - ELECTRICAL PULL BOXES
 - TRANSFORMER PAD
 - REFER TO SHEET C-6.0 FOR DETAIL

- UTILITY LEGEND**
- 6" SANITARY SEWER LATERAL AT MINIMUM 1.00% SLOPE WITH CLEANOUT TO STREET. COORDINATE WITH ARCHITECTURAL PLANS FOR EXACT ENTRY LOCATION & ELEVATION.
 - 2" DOMESTIC WATER ENTRY. CONTRACTOR TO COORDINATE WITH ARCHITECTURAL PLANS FOR EXACT ENTRY LOCATIONS INTO THE BUILDINGS. CONTRACTOR IS REQUIRED TO INSTALL AN RPZ BACKFLOW PREVENTER ON THE BUILDING. AS SHOWN, CONTRACTOR TO COORDINATE WITH CITY OF MEMONREE FALLS FOR DETAILS. THE DOMESTIC WATER METER SHALL BE SET OUTSIDE THE BUILDING, AS SHOWN. CONTRACTOR TO COORDINATE WITH CITY OF MEMONREE FALLS FOR DETAILS. THE METER SHALL BE 1/2" METER SIZE AND TYPE TO COORDINATE WITH ARCHITECTURAL PLANS.
 - 2" IRRIGATION METER. CONTRACTOR TO COORDINATE WITH LANDSCAPE PLANS FOR DETAILS. CONTRACTOR TO COORDINATE WITH CITY OF SUDRELL FOR TYPE OF METER.
 - ARCHITECTURAL PLANS FOR EXACT ENTRY LOCATION INTO BUILDING. CONTRACTOR IS REQUIRED TO INSTALL A DOUBLE DETECTOR CHECK BACKFLOW PREVENTER ON 4" FIRE LINE INSIDE THE BUILDING. REFER TO ARCHITECTURAL PLANS FOR DETAILS.
 - UNDERGROUND ELECTRIC CLEO WILL PROVIDE PAD MOUNTED TRANSFORMER. CONTRACTOR SHALL SUPPLY CONCRETE PAD AND CONDUIT FROM THE METER LOCATION AT THE RIGHT OF WAY TO THE BUILDING. CONTRACTOR TO PROVIDE THE CONDUIT TO PROVIDE PRIMARY ROUTING OF ELECTRIC SERVICE. CONTRACTOR TO PROVIDE 1-4" SECONDARY CONDUIT TO THE BUILDING. CONTRACTOR TO PROVIDE ARCHITECTURAL PLANS FOR ENTRY LOCATION & METER DESIGN.
 - UNDERGROUND TELEPHONE WIRING TO BE EXTENDED TO BUILDING BY AT&T. CONTRACTOR SHALL INSTALL (2) 4" CONDUIT FOR UNDERGROUND TELEPHONE WIRING TO THE BUILDING. CONTRACTOR SHALL COORDINATE WITH TELEPHONE COMPANY FOR S&D WORK. REFER TO ARCHITECTURAL PLANS FOR ENTRY LOCATION, PANEL SIZE, & GROUND.
 - FIRE HYDRANT & ASSEMBLY. CONTRACTOR TO COORDINATE WITH CITY OF SUDRELL. CONTRACTOR TO COORDINATE WITH THE FIRE DEPARTMENT FOR FIRE HYDRANT TYPE & ASSEMBLY. TYPICAL ASSEMBLY TO BE SHOWN.
 - 2" GAS CONDUIT SYSTEM. CONTRACTOR TO COORDINATE WITH THE DEVELOPER FOR INSTALLATION OF CONDUIT AND SIGNAL.
 - UNDERGROUND GAS TO BE EXTENDED FROM PROPOSED PROPANE TANK TO BUILDING. CONTRACTOR TO EXTEND A 1/2" CONDUIT. COORDINATE WITH THE OWNER FOR DETAILS OF PROPANE TANK.



STRUCTURE TABLE

STRUCTURE NUMBER	TYPE	GUTTERS/CASTING ELEV	INVERT IN	ELEVATION OUT	PIPE LENGTH	PIPE TYPE	PIPE SLOPE
204	MANHOLE	10.08	3.66 (209)	3.56 (203)	202.89	10" PVC	0.28%
203-204			3.66 (207)				
205	MANHOLE	11.05	4.03 (206)	3.92 (204)	96.93	10" PVC	0.28%
204-205							
221	MANHOLE	10.49	5.04 (221A)	4.94 (220A)	53.94	8" PVC	0.50%
220-221							
222	MANHOLE	11.29	5.85 (222A)	5.55 (221A)	54.93	8" PVC	0.50%
221-222							
223	CLEANOUT	11.33	6.33 (223A)	6.33 (222A)	66.50	8" PVC	0.50%
222-223							
224	CLEANOUT	11.96	6.69 (225)	6.69 (223)	71.50	8" PVC	0.50%
223-224							

MATCHLINE (SEE SHEET C-6.7)

MATCHLINE (SEE SHEET C-6.6)

MATCHLINE (SEE SHEET C-6.3)

MATCHLINE (SEE SHEET C-6.6)

SCALE IN FEET
 0 20' 40'

UTILITY PLAN
SECTION 5

14-248 C-8 UTILITY
 SHEET
C-6.5

MATCHLINE (SEE SHEET C-6.5)

MATCHLINE (SEE SHEET C-6.4)

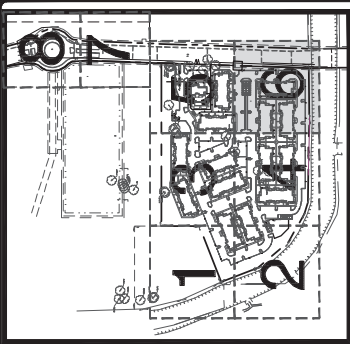
REVISION	BY

BDG
 CIVIL ENGINEERING - ARCHITECTURE
 24 LOUIS PRIMA DRIVE COVINGTON, LA 70433
 WWW.BDGPCOM Phone 985.496.80 // Fax 985.496.990
 THIBODAX | COVINGTON | HOUSTON | BATON ROUGE | HOUMA

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 Douglas E. Bortolotto P.E. #34541
 Duplantis Design Group, PC

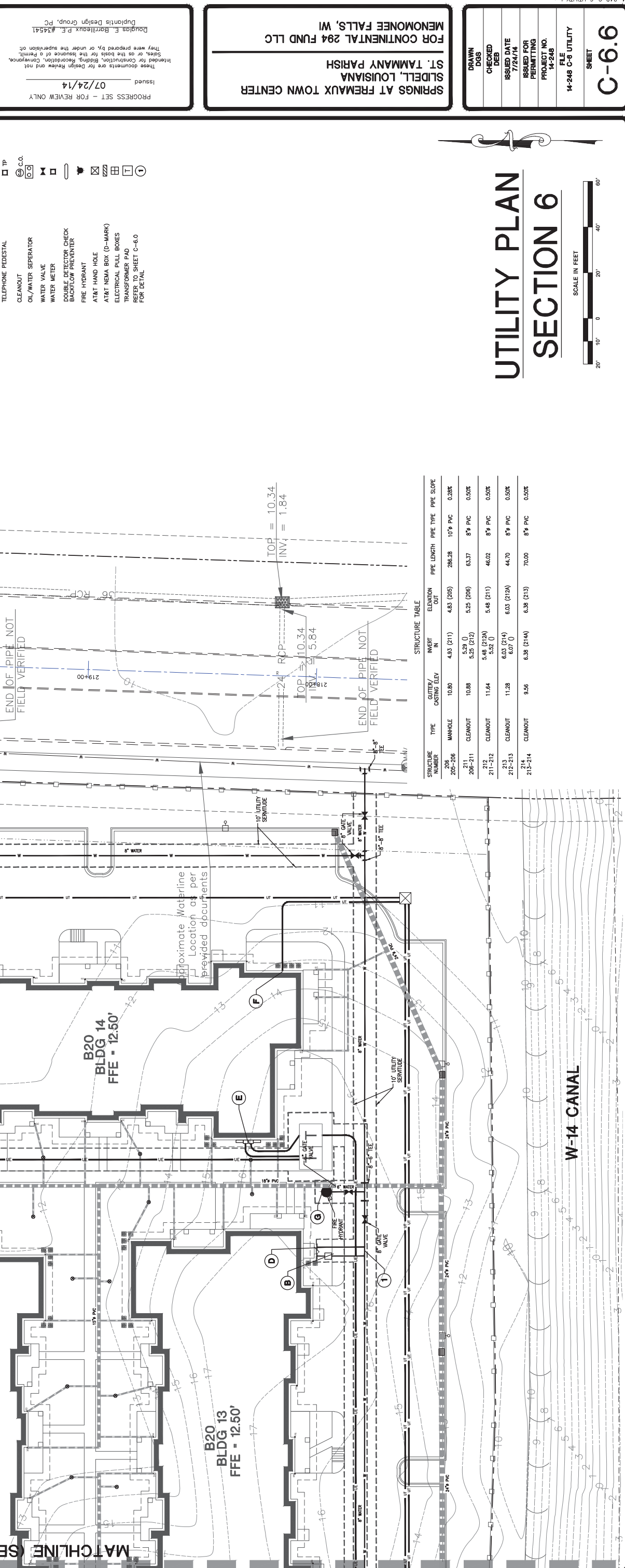
SPRINGS AT FREMAUX TOWN CENTER
 SIBLEY, LOUISIANA
 ST. TAMMANY PARISH
 MEMONREE FALLS, WI
 FOR CONTINENTAL 294 FUND LLC

DRAWN DBS
CHECKED DEB
ISSUED DATE 7/24/14
ISSUED FOR PERMITTING
PROJECT NO. 14-248
FILE 14-248 C-6 UTILITY
SHEET C-6.6



- LEGEND - EXISTING**
- FOUND PROPERTY CORNER (AS NOTED)
 - EXISTING POWER POLE
 - EXISTING POWER POLE WITH LIGHT
 - EXISTING PARKING LOT LIGHT
 - EXISTING GUY ANCHOR
 - EXISTING TELEPHONE PEDESTAL
 - EXISTING CABLE TV PEDESTAL
 - EXISTING UNDERGROUND POWER LINE
 - EXISTING OVERHEAD POWER LINE
 - EXISTING TELEPHONE LINE
 - EXISTING CABLE TV LINE
 - EXISTING GAS METER
 - EXISTING GAS VALVE
 - EXISTING GAS LINE
 - EXISTING BARB WIRE FENCE LINE
 - EXISTING CHAIN LINK LINE
 - EXISTING WOOD FENCE LINE
 - EXISTING HIGH DENSITY POLYETHYLENE PIPE
 - EXISTING POLYVINYL CHLORIDE PIPE
 - 12" PVC
 - 18.00 TC
 - 18.00 FC
 - ELEVATION OF TOP OF STRUCTURE
 - ELEVATION OF BOTTOM OF STRUCTURE
 - EXISTING SPOT ELEVATION
 - ELEVATION OF TOP OF CURB
 - ELEVATION OF FACE OF CURB
 - EXISTING SENIOR MANHOLE
 - EXISTING SENIOR CLEANOUT
 - EXISTING GRAVITY SEWER LINE
 - EXISTING SENIOR FORCE MAIN
 - EXISTING DRAINAGE MANHOLE
 - EXISTING SUBSURFACE DRAINAGE
 - EXISTING CATCH BASIN/DROP INLET
 - EXISTING FIRE HYDRANT
 - EXISTING WATER METER
 - EXISTING WATER VALVE
 - EXISTING WATER LINE
 - EXISTING TERRA-COTTA PIPE
 - EXISTING REINFORCED CONCRETE PIPE
 - EXISTING CORRUGATED METAL PIPE

- LEGEND - NEW IMPROVEMENTS**
- WATERLINE
 - SANITARY SEWERLINE
 - GAS LINE
 - UNDERGROUND ELECTRIC (5-TYP)
 - UNDERGROUND TELEPHONE (2 - 4" TYP)
 - STORM DRAIN SYSTEM
 - POWER POLE
 - SEWER MANHOLE AND STRUCTURE #
 - FULL DEPTH SANICUT AND PAVEMENT PATCHING
 - TELEPHONE PEDESTAL
 - CLEANOUT
 - OIL/WATER SEPARATOR
 - WATER VALVE
 - WATER METER
 - DOUBLE DETECTOR CHECK BACKFLOW PREVENTER
 - FIRE HYDRANT
 - AT&T HAND HOLE
 - AT&T NEMA BOX (0-MARK)
 - ELECTRICAL PULL BOXES
 - TRANSFORMER PAD
 - REFER TO SHEET C-6.0 FOR DETAIL



W-14 CANAL

UTILITY PLAN
 SECTION 6



REVISION	BY
7/24/14	SMT
ADENDUM 1	

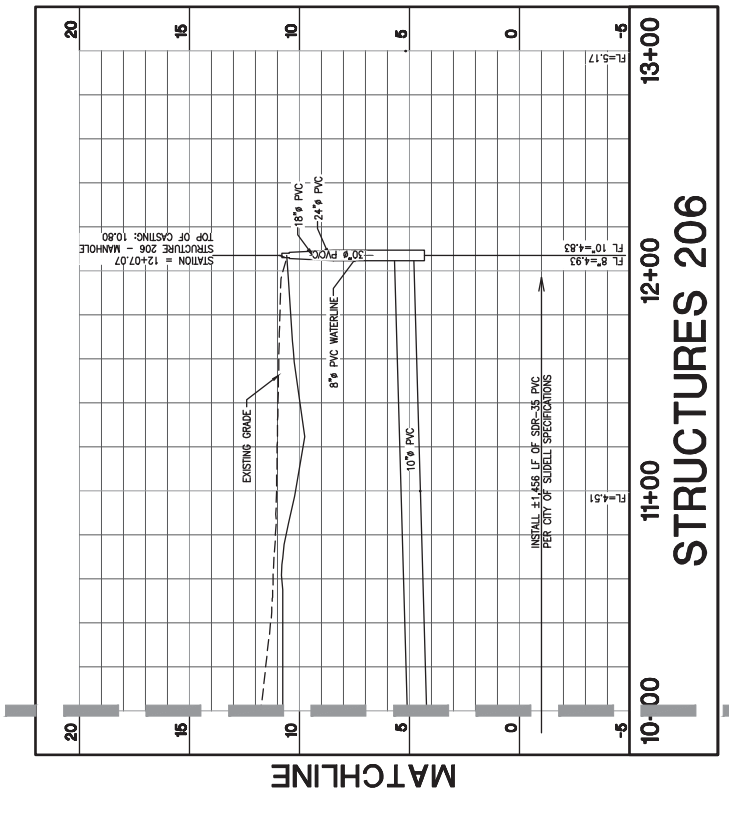
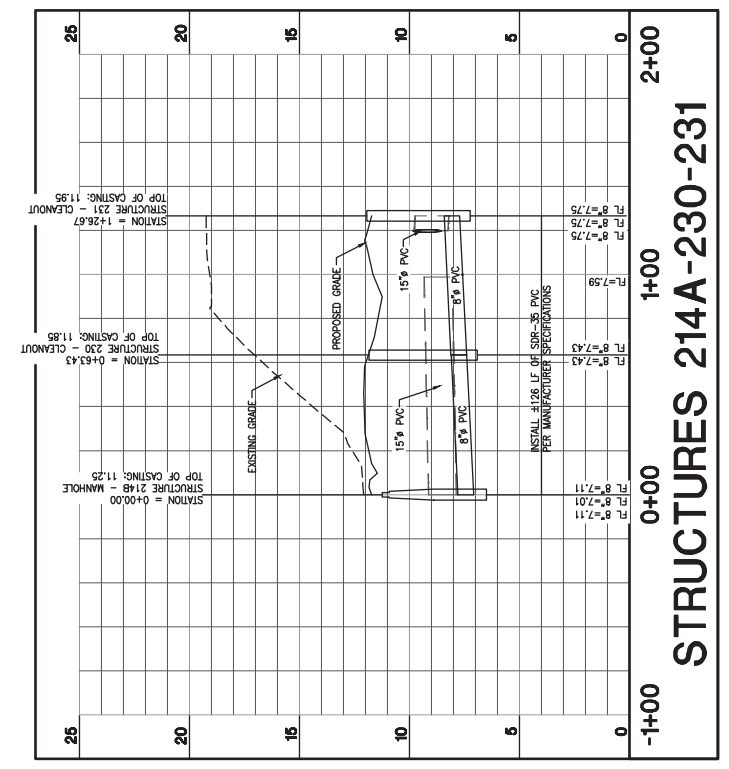
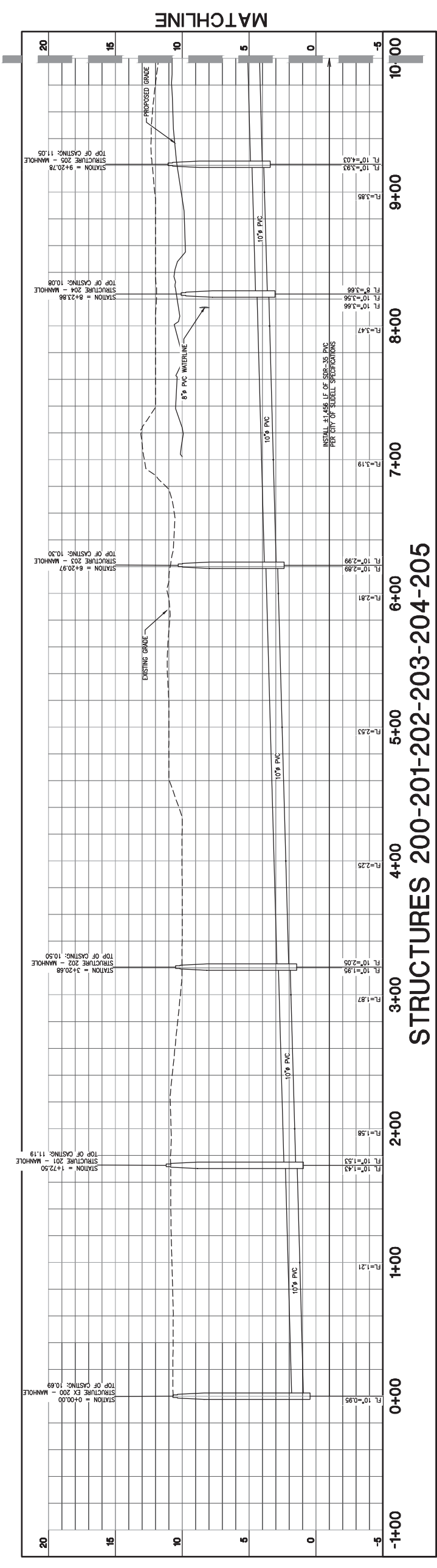
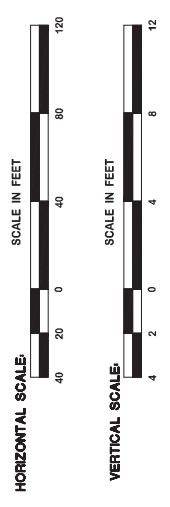
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 24 LOUIS PRIMA DRIVE COVINGTON, LA 70433
 PHONE 985-496-8011 FAX 985-496-8190
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 Duplantis Design Group, PC

SPRINGS AT FREMAUX TOWN CENTER
 ST. TAMMANY PARISH
 FOR CONTINENTAL 294 FUND LLC
 MEMONREE FALLS, WI

DRAWN	DBS
CHECKED	DEB
ISSUED DATE	7/24/14
ISSUED FOR PERMITTING	
PROJECT NO.	14-248
FILE	14-248 C-7 SANITARY PROFILES
SHEET	C-7.1

SANITARY SEWER PROFILE SHEET 1



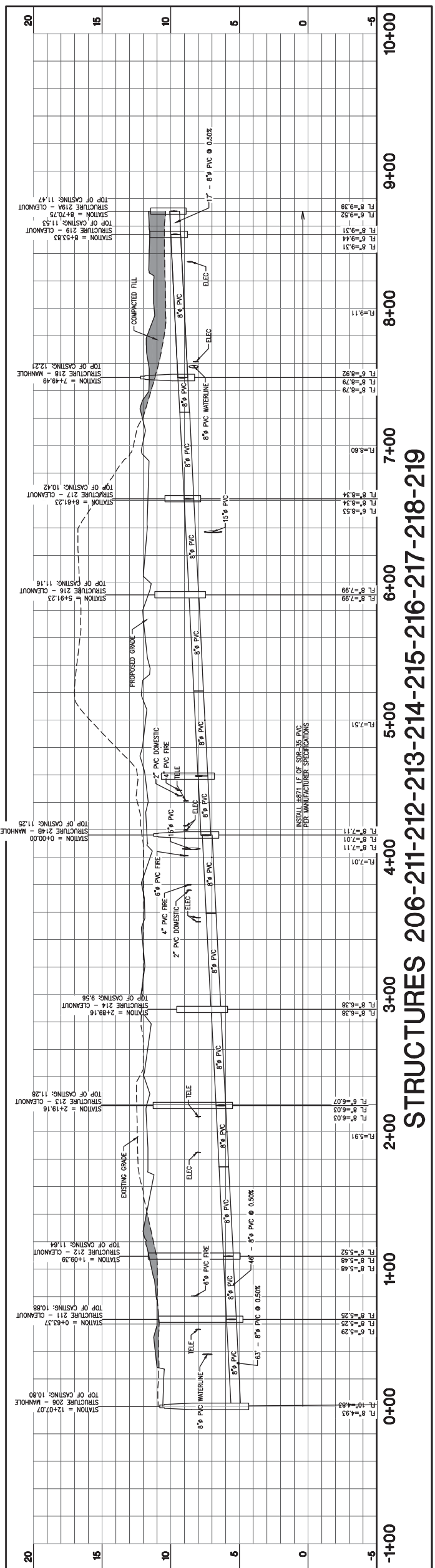
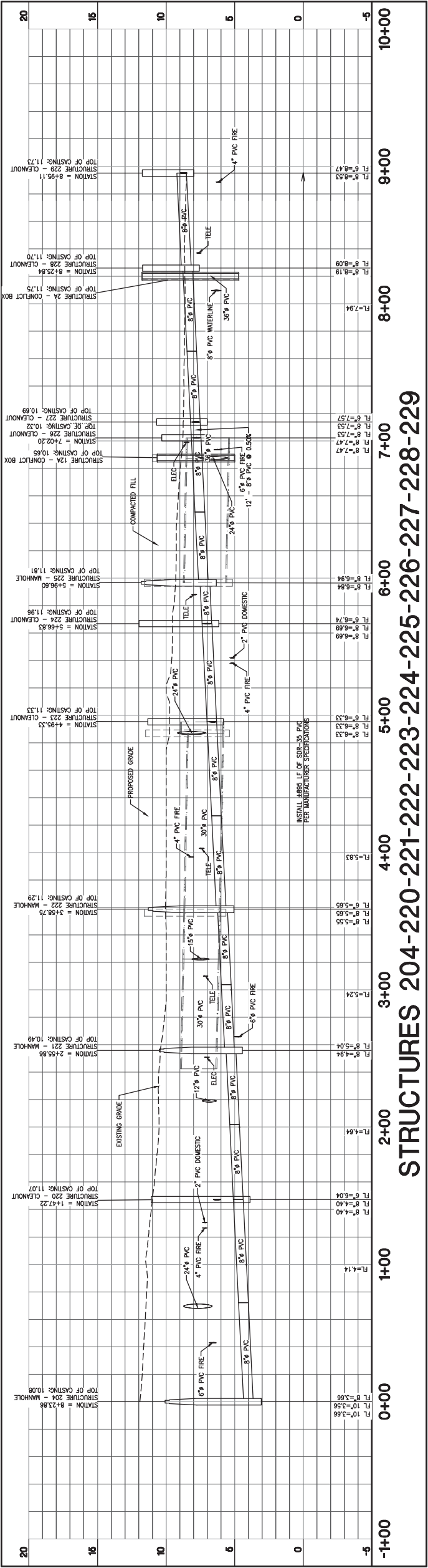
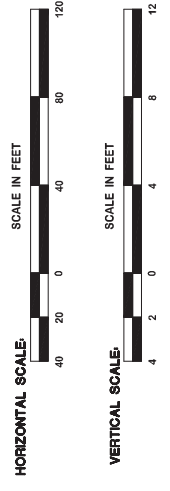
SPRINGS AT FREMAUX TOWN CENTER
ST. TAMMANY PARISH
MEMONEE FALLS, WI
FOR CONTINENTAL 294 FUND LLC

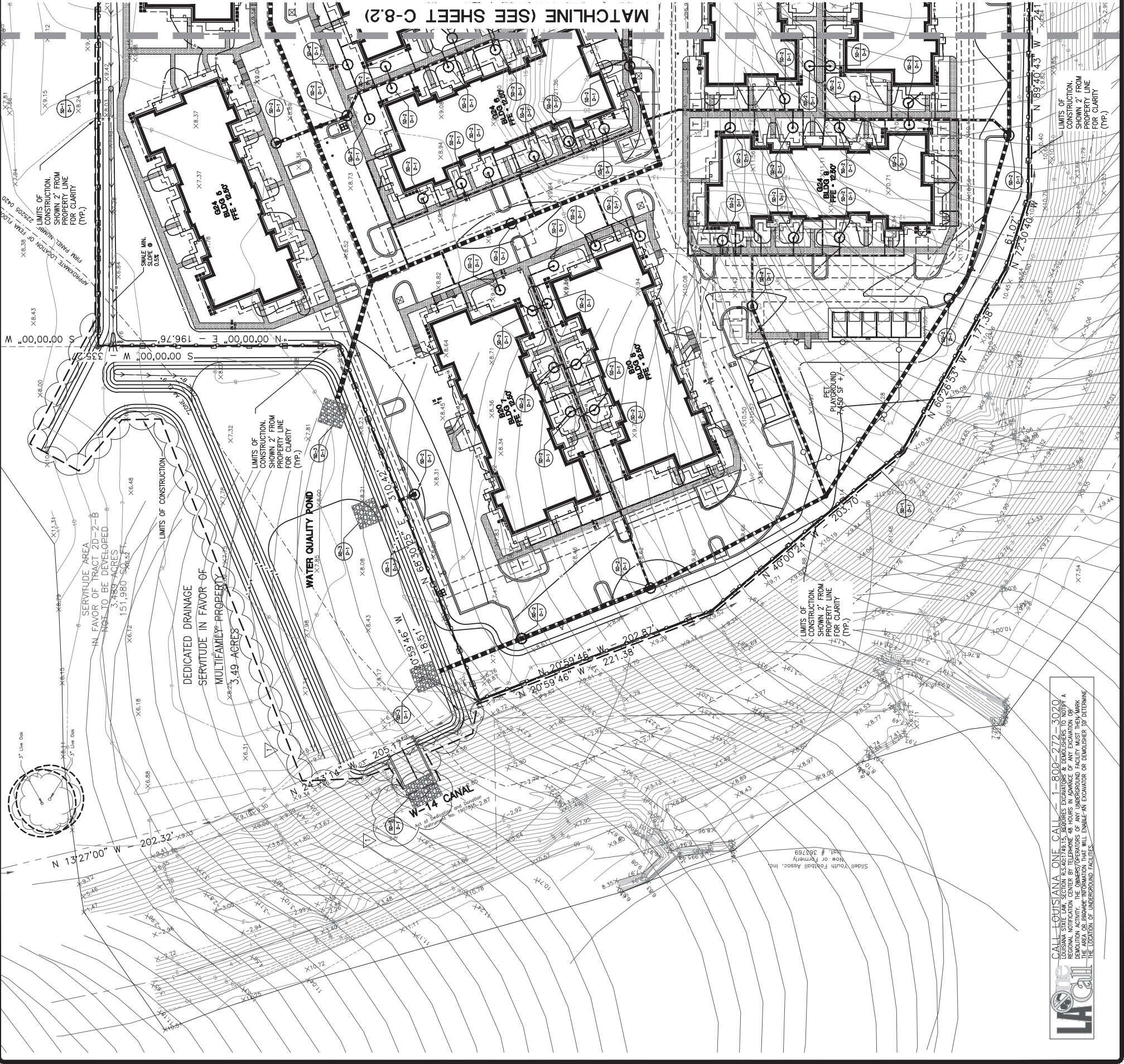
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		7/24/14
		ADDITIONAL 1
		SMT

SANITARY SEWER PROFILE SHEET 2





EROSION CONTROL NOTES:

1. SEDIMENT & EROSION CONTROL FACILITIES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION. CONTROL FACILITIES DURING THE ENTIRE CONSTRUCTION PERIOD. FACILITIES ARE NOT TO BE REMOVED UNTIL COMPLETION OF THE PROJECT.
2. ADDITIONAL DEVICES MAY BE REQUIRED AS DETERMINED BY GOVERNING AUTHORITIES.
3. BOTTOM OF THE FENCE, CLEANED OR REPLACED WHEN SILT BUILDS UP TO 1" FROM THE BOTTOM.
4. EROSION CONTROL MEASURES ARE TO BE INSPECTED WEEKLY & AFTER EACH RAINFALL & REPAIRED AS NECESSARY.
5. MULCH UPON COMPLETION OF GRADING OPERATIONS. COMPLETION OF GRADING OPERATIONS DOES NOT MEAN AT THE END OF THE PROJECT, AS SOON AS FINAL GRADING IS COMPLETED, MULCH SHALL BE APPLIED TO ALL EXPOSED AREAS. MULCH SHALL BE APPLIED TO ALL EXPOSED AREAS AS SOON AS POSSIBLE. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO APPLY A PERMANENT SEED OR SOO AT THE PROPER TIME OF YEAR.
6. GRASSES SHOULD BE PLANTED AS SOON AS AN AREA OF THE SITE IS BROUGHT TO FINAL GRADE. SURFACE RUNOFF SHALL BE INTERCEPTED AT THE TOP OF TEMPORARY & PERMANENT SLOPES DURING CONSTRUCTION SO THAT WATER IS NOT ALLOWED TO FLOW OVER THE SLOPE.
7. THE GENERAL CONTRACTOR & THE GRADING CONTRACTOR SHALL REVIEW THEIR GRADING SEQUENCE TO INSURE THAT THE LEAST AMOUNT OF LAND POSSIBLE AT ANY ONE TIME IS EXPOSED TO EROSION.
8. CONSTRUCTION SHALL MAINTAIN TEMPORARY CONSTRUCTION ENTRANCES PRIOR TO ANY EARTHWORK OPERATIONS.
9. CONTRACTOR SHALL MAINTAIN SILT FENCES FOR THE DURATION OF THE PROJECT UNTIL THE CONTRACTOR SHALL INSPECT ON A DAILY BASIS FOR NEEDED REMOVAL OF ANY ACCUMULATED SILT, DEBRIS, OR REPAIR OF DAMAGED SILT FENCE AT NO ADDITIONAL EXPENSE TO OWNER.
10. ALL EROSION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE EROSION CONTROL PLAN. THE PERSON CHECKING SHALL BE EMPLOYED IN ONLY AS NECESSARY TO ALLOW THE PLACEMENT OF EROSION & SEDIMENT CONTROL MEASURES AS NECESSARY TO ALLOW THE PLACEMENT OF EROSION & SEDIMENT CONTROL MEASURES AS NECESSARY.
11. CONSTRUCTION SHALL MAINTAIN SILT FENCES FOR THE DURATION OF THE PROJECT UNTIL THE CONTRACTOR SHALL INSPECT ON A DAILY BASIS FOR NEEDED REMOVAL OF ANY ACCUMULATED SILT, DEBRIS, OR REPAIR OF DAMAGED SILT FENCE AT NO ADDITIONAL EXPENSE TO OWNER.
12. ALL EROSION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE EROSION CONTROL PLAN. THE PERSON CHECKING SHALL BE EMPLOYED IN ONLY AS NECESSARY TO ALLOW THE PLACEMENT OF EROSION & SEDIMENT CONTROL MEASURES AS NECESSARY.
13. CONSTRUCTION SHALL MAINTAIN SILT FENCES FOR THE DURATION OF THE PROJECT UNTIL THE CONTRACTOR SHALL INSPECT ON A DAILY BASIS FOR NEEDED REMOVAL OF ANY ACCUMULATED SILT, DEBRIS, OR REPAIR OF DAMAGED SILT FENCE AT NO ADDITIONAL EXPENSE TO OWNER.
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15. CONSTRUCTION SHALL MAINTAIN SILT FENCES FOR THE DURATION OF THE PROJECT UNTIL THE CONTRACTOR SHALL INSPECT ON A DAILY BASIS FOR NEEDED REMOVAL OF ANY ACCUMULATED SILT, DEBRIS, OR REPAIR OF DAMAGED SILT FENCE AT NO ADDITIONAL EXPENSE TO OWNER.
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BMP MAINTENANCE EROSION NOTES:

ALL MEASURES SHOWN ON THIS SITE MAP, & IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES THROUGHOUT THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES THROUGHOUT THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES THROUGHOUT THE CONSTRUCTION PERIOD.

1. INLET PROTECTION DEVICES & BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF WEAR OR DAMAGE.
2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS ESTABLISHED. AREAS SHOULD BE FERTILIZED, WATERED, & RESEED AS NEEDED.
3. MULCH SHALL BE APPLIED TO ALL EXPOSED AREAS AS SOON AS POSSIBLE. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO APPLY A PERMANENT SEED OR SOO AT THE PROPER TIME OF YEAR.
4. GRASSES SHOULD BE PLANTED AS SOON AS AN AREA OF THE SITE IS BROUGHT TO FINAL GRADE. SURFACE RUNOFF SHALL BE INTERCEPTED AT THE TOP OF TEMPORARY & PERMANENT SLOPES DURING CONSTRUCTION SO THAT WATER IS NOT ALLOWED TO FLOW OVER THE SLOPE.
5. THE GENERAL CONTRACTOR & THE GRADING CONTRACTOR SHALL REVIEW THEIR GRADING SEQUENCE TO INSURE THAT THE LEAST AMOUNT OF LAND POSSIBLE AT ANY ONE TIME IS EXPOSED TO EROSION.
6. CONSTRUCTION SHALL MAINTAIN TEMPORARY CONSTRUCTION ENTRANCES PRIOR TO ANY EARTHWORK OPERATIONS.
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EXISTING LEGEND

- EXISTING GAS LINE
- EXISTING IRRIGATION/SPRINKLER
- EXISTING OVERHEAD ELECTRIC
- EXISTING PHONE LINE
- EXISTING PIPE LINE
- EXISTING RAW WATER LINE
- EXISTING REUSE LINE
- EXISTING SLOPE LINE
- EXISTING STORM DRAIN
- EXISTING UNDERGROUND CABLE
- EXISTING UNDERGROUND POWER
- EXISTING WATER LINE
- GAS LID
- FUEL PORT
- PIPE LEVEL PORT
- PIPE LINE VENT
- TWOOT BRASS DISK
- PARKING BOLLARD
- A/C PAD
- FOUND 1/2" LIA. W/CAP
- FOUND 1/2" LIA. W/CAP
- SET 1 1/2" IS. W/CAP
- UNLESS OTHERWISE NOTED
- BENCH MARK
- SAW CUT "Y"
- WATER WELL
- ATMOS MARKER
- EXISTING CONCRETE
- EXISTING PAVEMENT
- EXISTING FENCE
- EXISTING FIBER OPTIC
- EXISTING FIRE LINE
- EXISTING FORCE MAIN
- WATER METER
- WATER VALVE
- FIRE HYDRANT
- SEWER MANHOLE
- SEWER CLEAN OUT
- POWER PALE
- STREET LIGHT
- GUY ANCHOR
- TELE PED.
- MONITOR WELL
- GAS RISER
- GAS METER
- PIPELINE MARKER
- STOP SIGN
- MAIL BOX
- SPRINKLER VALVE
- PAY PHONE
- GREASE TRAP
- GAS MANHOLE
- BOLLARD

ACREAGE SUMMARY	
TOTAL PROJECT AREA	+/- 20.00 ACRES
LIMITS OF CONSTRUCTION	+/- 20.00 ACRES
IMPERVIOUS AREA	+/- 8.80 ACRES
PERVIOUS AREA	+/- 11.20 ACRES

EROSION CONTROL PLAN SECTION 1

SCALE IN FEET

40' 20' 0' 40' 80' 120'

REVISION	BY	DATE	DESCRIPTION
	SMT	7-24-14	ADDENDUM 1

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SPRINGS AT FREMAUX TOWN CENTER
 ST. TAMMANY PARISH
 MEMONEE FALLS, WI
 FOR CONTINENTAL 294 FUND LLC

DRAWN	DBS
CHECKED	DEB
ISSUED DATE	7/24/14
ISSUED FOR PERMITTING	
PROJECT NO.	14-248
FILE	14-248 C-8 PH2 EROSION
SHEET	C-8.1

CALL LOUISIANA ONE CALL 1-800-272-3020
 LOUISIANA STATE LAW SECTION 8-4017(A) REQUIRES EXCAVATORS & DEMOLISERS TO NOTIFY A REGIONAL NOTIFICATION CENTER BY TELEPHONE 48 HOURS IN ADVANCE OF ANY EXCAVATION OR DEMOLITION ACTIVITY. THE OPERATOR OF ANY UNDERGROUND FACILITY MUST THEM MARK THE LOCATION OF ANY UNDERGROUND FACILITY. ALL UNDERGROUND FACILITY OWNERS WILL ENABLE AN EXCAVATOR OR DEMOLISER TO DETERMINE THE LOCATION OF UNDERGROUND FACILITIES.

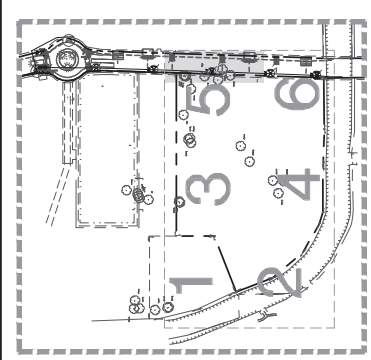
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ADENDUM 1	

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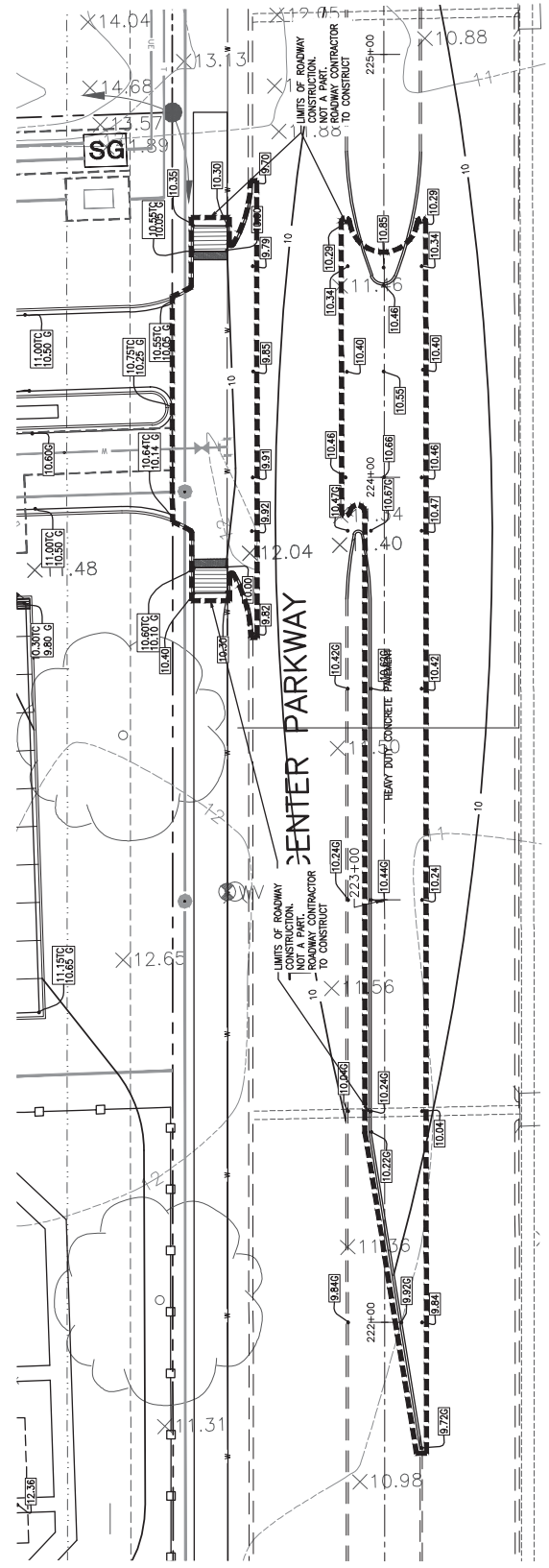
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SPRINGS AT FREMAUX TOWN CENTER
ST. TAMMANY PARISH
MEMONEE FALLS, WI
FOR CONTINENTAL 294 FUND LLC

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ISSUED FOR PERMITTING	
PROJECT NO.	14-248
FILE	14-248 C-9 TURN LANE
SHEET	C-9.1



PAVING AND GRADING

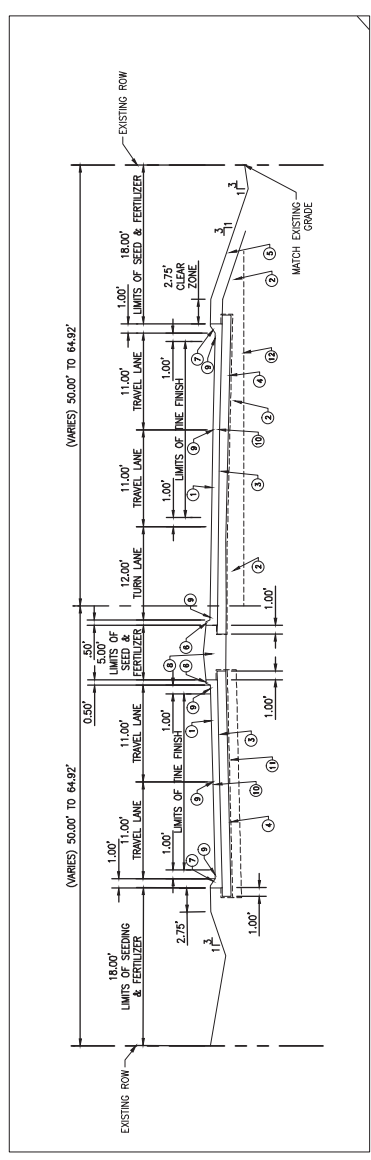


LEGEND - NEW IMPROVEMENTS

	CURB AND GUTTER
	SAWCUT
	PROPOSED SPOT GRADE
	CALCULATED SPOT GRADE
	HEAVY DUTY CONCRETE PAVEMENT WITH FIBER REINFORCEMENT. REFER TO DESIGN REQUIREMENTS.

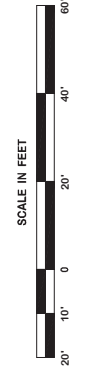
LEGEND-EXISTING

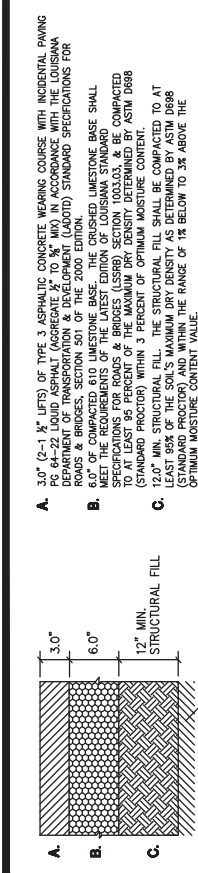
	FOUND PROPERTY CORNER (AS NOTED)
	ELEVATION OF TOP OF STRUCTURE
	ELEVATION OF BOTTOM OF STRUCTURE
	EXISTING POWER POLE
	EXISTING POWER POLE WITH LIGHT
	EXISTING PARKING LOT LIGHT
	EXISTING GUY ANCHOR
	EXISTING TELEPHONE PEDESTAL
	EXISTING CABLE TV PEDESTAL
	EXISTING UNDERGROUND POWER LINE
	EXISTING OVERHEAD POWER LINE
	EXISTING TELEPHONE LINE
	EXISTING CABLE TV LINE
	EXISTING GAS METER
	EXISTING GAS VALVE
	EXISTING GAS LINE
	EXISTING BARB WIRE FENCE LINE
	EXISTING CHAIN LINK FENCE LINE
	EXISTING WOOD FENCE LINE
	EXISTING HIGH DENSITY POLYETHYLENE PIPE
	EXISTING POLYVINYL CHLORIDE PIPE



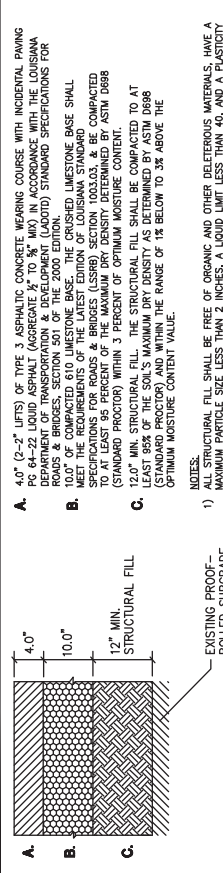
- 1 PORTLAND CEMENT CONCRETE PAVEMENT (9" THICK), TRANSVERSE THE FINISH
- 2 NON-PLASTIC SUBBANKMENT
- 3 CLASS II BASE COURSE (12" THICK). SEE NOTES FOR ALLOWABLE MATERIALS.
- 4 GEOTEXTILE FABRIC FOR CLASS II BASE. QUANTITY NOT MEASURED FOR PAYMENT.
- 5 PLASTIC SOIL BLANKET (12" THICK). QUANTITY IS INCLUDED IN VOLUME FOR NON-PLASTIC EMBANKMENT.
- 6 CONCRETE INTEGRAL BARRIER CURB
- 7 CONCRETE INTEGRAL MOUNTABLE CURB
- 8 BORROW (27" THICK)
- 9 PAVEMENT MARKINGS
- 10 LONGITUDINAL CONSTRUCTION JOINT
- 11 LIME TREATMENT (TYPE D)
- 12 GEOTEXTILE FABRIC

LEFT TURN LANE PLAN

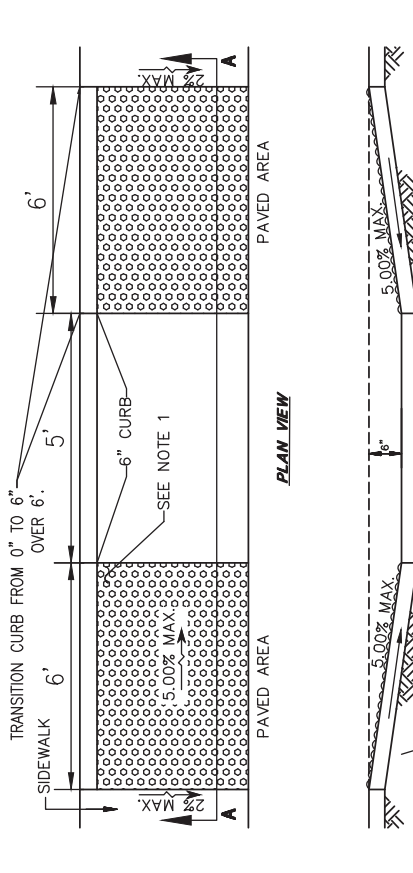




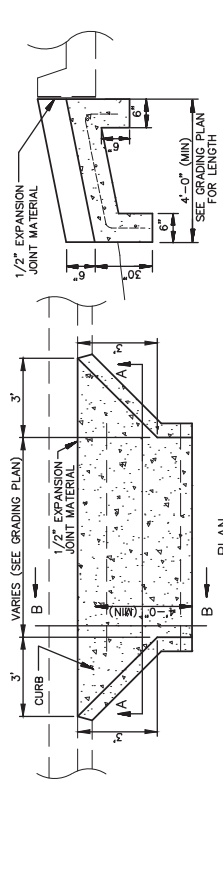
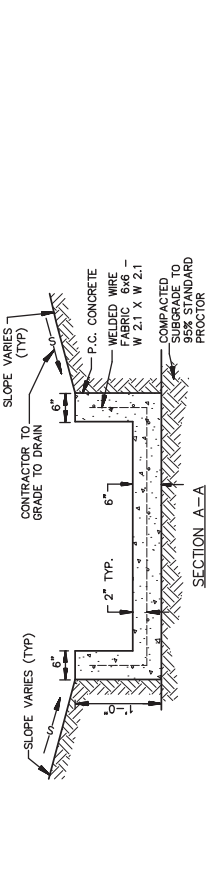
- NOTES:**
- ALL STRUCTURAL FILL SHALL BE FREE OF ORGANIC AND OTHER DELETERIOUS MATERIALS. HAVE A MAXIMUM PARTICLE SIZE LESS THAN 2 INCHES. A LIQUID LIMIT LESS THAN 40, AND A PLASTICITY INDEX LESS THAN 6. SANDY CLAY OR CLAYEY SANDS ARE NOT RECOMMENDED FOR USE AS STRUCTURAL FILL. THE ON-SITE SILTY SANDS MAY BE SUITABLE FOR USE AS FILL.
 - FILL SHALL BE PLACED IN A MAXIMUM OF 8" LOOSE LIFTS & COMPACTED WITHIN 1% BELOW TO 3% ABOVE OPTIMUM MOISTURE CONTENT VALUE. IF WATER MUST BE ADDED, IT SHALL BE UNIFORMLY APPLIED AND THOROUGHLY MIXED INTO THE SOIL BY DISKING OR SCARPING.
 - EXISTING SUBGRADE IN PARKING AREAS SHALL BE PROOF-ROLLED WITH A LOADED TANDUM AXLE DUMP TRUCK OR SIMILAR HEAVY RUBBER TREAD VEHICLE. SOILS THAT RUT OR DEFLECT EXCESSIVELY UNDER THE MOVING LOAD SHALL BE UNDERGUT AND REPLACED WITH PROPERLY COMPACTED STRUCTURAL FILL.
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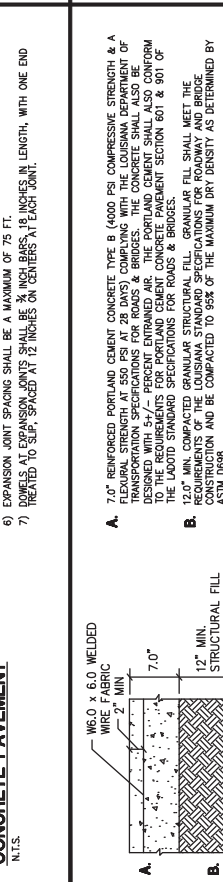
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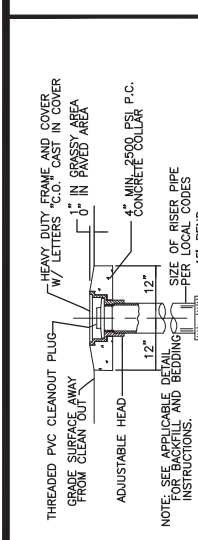
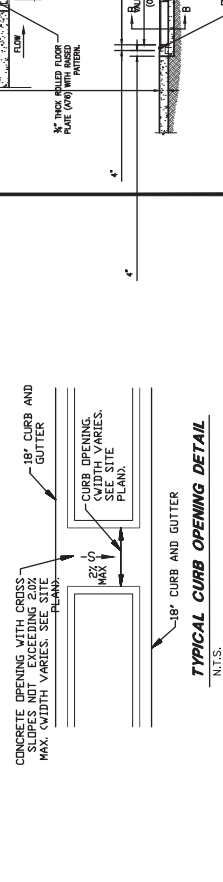
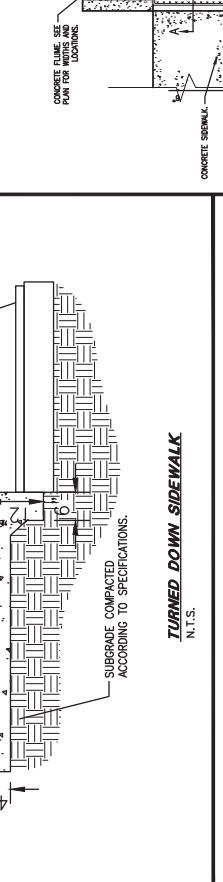
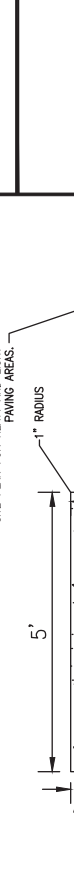
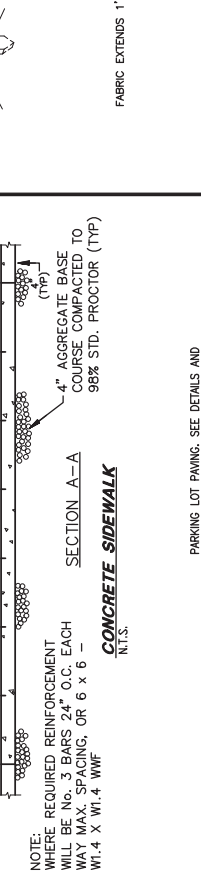
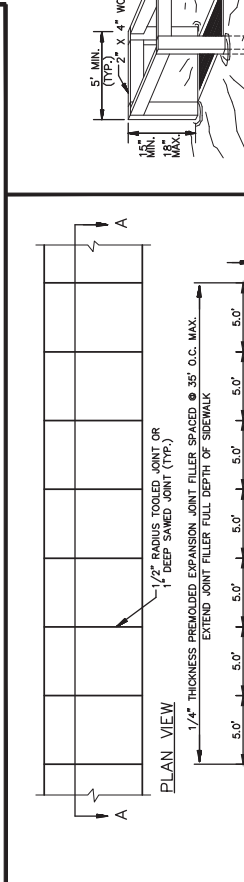
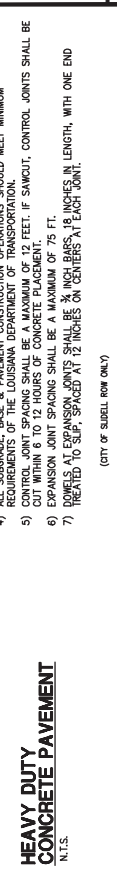
- NOTES:**
- WHERE SHOWN AS DOTTED PATTERN, THE SURFACE OF RAMP SHALL HAVE A TERRA COTTA RED TRUNCATED TOP OF BRICK MAT, SET FLUSH WITH TOP OF CONCRETE SURFACE AND INSTALLED AS PER MANUFACTURERS' RECOMMENDATIONS.
 - CONSTRUCT PER A.D.A. STANDARDS.



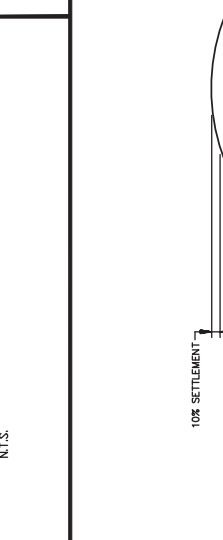
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 - ALL SUBGRADE, BASE & PAVEMENT CONSTRUCTION OPERATIONS SHOULD MEET MINIMUM REQUIREMENTS OF THE LOUISIANA DEPARTMENT OF TRANSPORTATION.
 - CONTROL JOINT SPACING SHALL BE A MAXIMUM OF 12 FEET. IF SAWCUT, CONTROL JOINTS SHALL BE 12 FEET ON CENTERS.
 - EXPANSION JOINT SPACING SHALL BE A MAXIMUM OF 75 FT.
 - DOUELS AT EXPANSION JOINTS SHALL BE 3/4 INCH BARS, 18 INCHES IN LENGTH, WITH ONE END TREATED TO SLIP, SPACED AT 12 INCHES ON CENTERS AT EACH JOINT.



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- ALL STRUCTURAL FILL SHALL BE FREE OF ORGANIC AND OTHER DELETERIOUS MATERIALS. HAVE A MAXIMUM PARTICLE SIZE LESS THAN 2 INCHES. A LIQUID LIMIT LESS THAN 40, AND A PLASTICITY INDEX LESS THAN 6. SANDY CLAY OR CLAYEY SANDS ARE NOT RECOMMENDED FOR USE AS STRUCTURAL FILL. THE ON-SITE SILTY SANDS MAY BE SUITABLE FOR USE AS FILL.
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- NOTE:** SEE APPLICABLE DETAIL FROM GRADE CLEAN-OUT AREA.
- NOTE:** SEE APPLICABLE DETAIL FROM GRADE CLEAN-OUT AREA.



- NOTE:** PURPOSE OF THE INTERCEPTOR DITCH IS TO INTERCEPT STORMWATER & INTERCEPT SEDIMENTATION FROM DISCHARGING INTO THE ADJACENT PROPERTY. DITCH IS TO DISCHARGE TO TEMPORARY SEDIMENTATION BASIN.

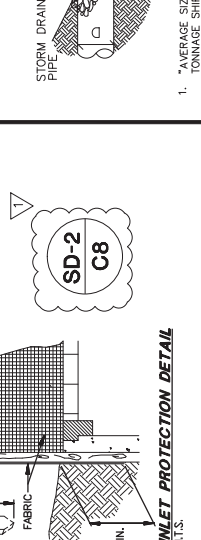
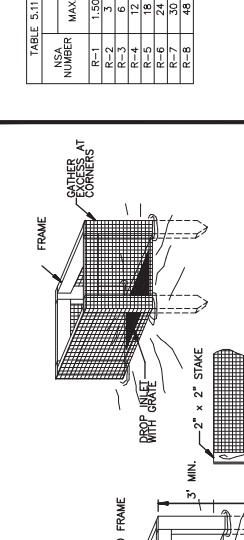
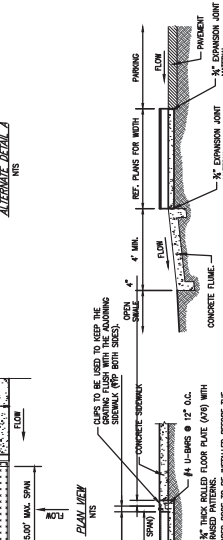
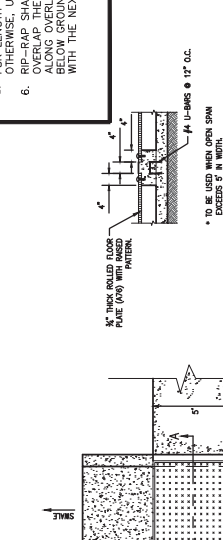


TABLE 5.11: GRADATION OF RIP-RAP ROCK

NSA NUMBER	SIZE IN INCHES		MIN. PERCENT	MAX. PERCENT
	(1) MIN.	(2) MAX.		
R-1	1.50	7.50 (NO. 8)	4.5	FS-1
R-2	3	1.50	1	FS-2
R-3	6	3	2	FS-3
R-4	12	6	3	FS-4
R-5	24	12	7	FS-5
R-6	30	15	12	FS-6
R-7	48	24	15	FS-7
R-8	48	24	15	FS-8

- AVERAGE SIZE IS THAT SIZE EXCEEDED BY AT LEAST 50% OF THE TOTAL WEIGHT OF THE SAMPLE. THE "AVERAGE" SIZE (NOMINALLY HALF THE SPECIFIED NOMINAL TOP SIZE).
- PIECES SMALLER THAN THE MINIMUM SIZE SHOWN SHALL NOT EXCEED 15% OF THE TONNAGE SHIPPED.
- FABRIC TO PREVENT ROCK-TO-STONE INTEGRATION.
- RIP-RAP UTILIZED SHALL BE SIZED R-4 OR LARGER. SEE SHEET C-4.
- FOR LENGTH OF APRON (LO), SEE SHEET C-4 (STORMWATER POLLUTION PREVENTION PLAN).
- RIP-RAP SHALL BE ON TOP OF THE CLOTH FILTER DIRECTLY ON THE PREPARED FOUNDATION. THE END OF THE APRON SHALL BE BURIED UNDER THE CLOTH FILTER. A MINIMUM OF 12 INCHES BELOW GROUND & WHERE NECESSARY, BURY THE LOWER END OF THE CLOTH OR OVERLAP WITH THE NEXT SECTION AS REQUIRED.



REVISION BY

NO.	DATE	BY	DESCRIPTION
1	7-24-14	SMT	ADDENDUM 1

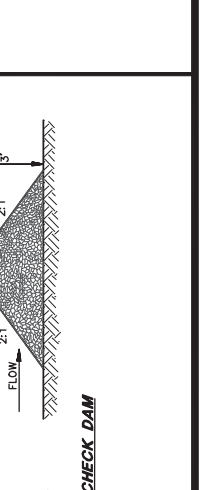
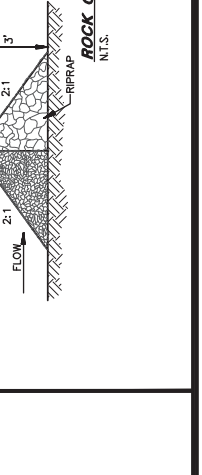
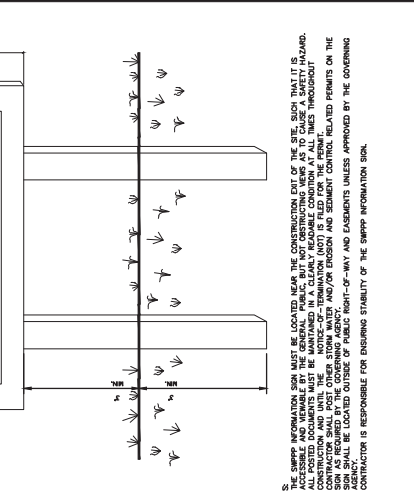
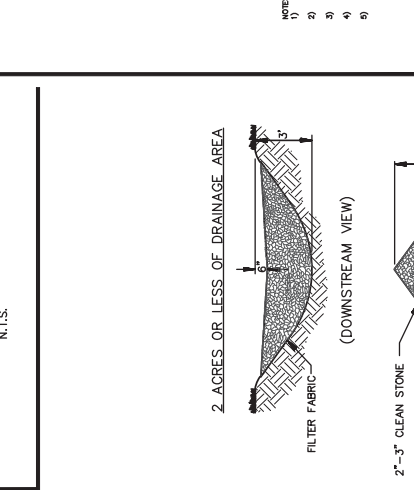
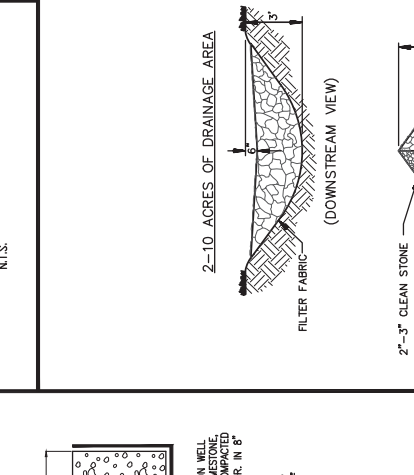
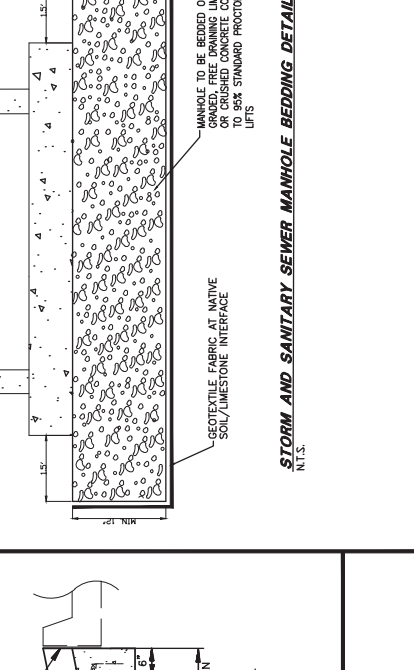
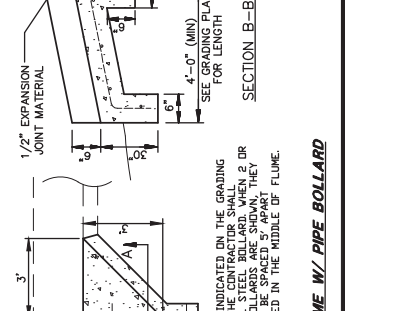
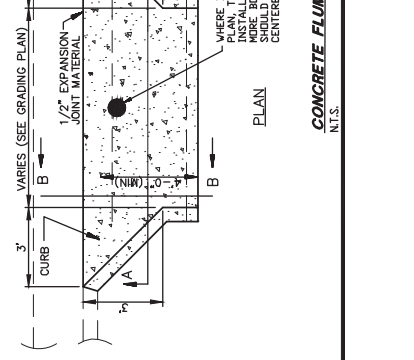
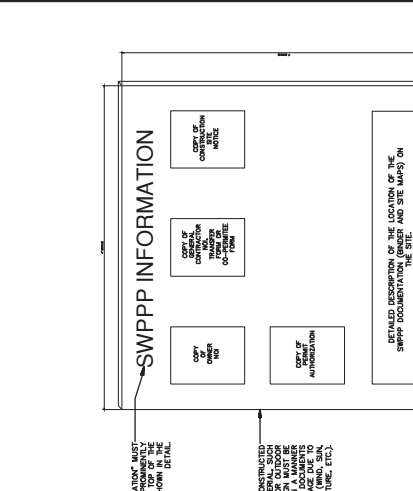
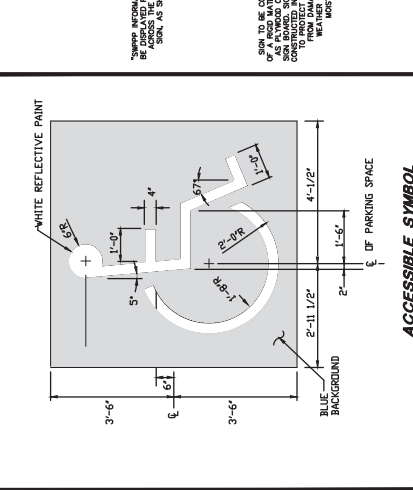
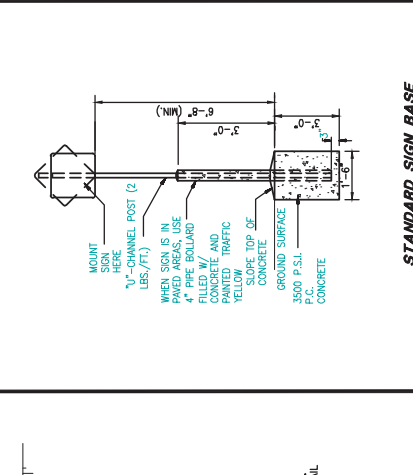
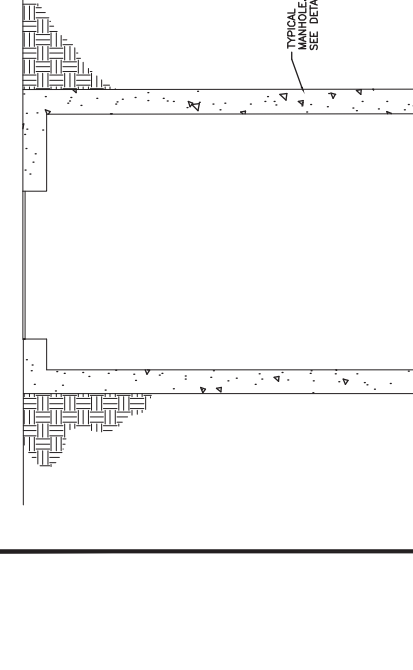
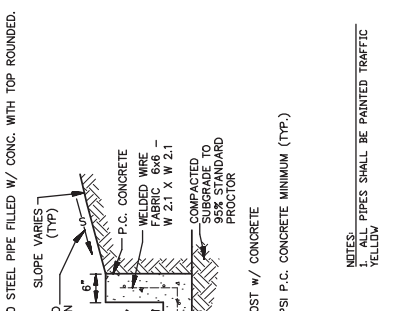
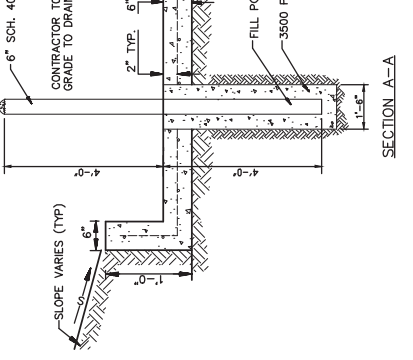
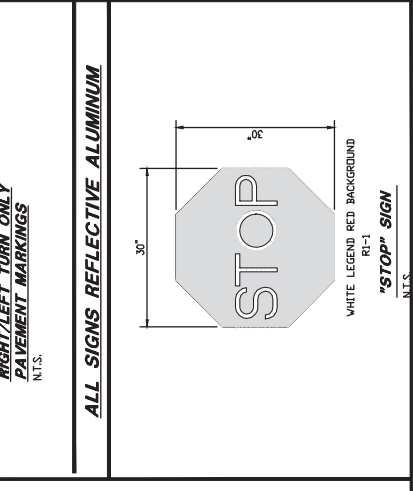
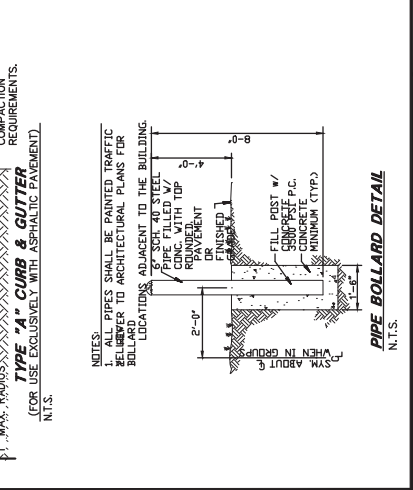
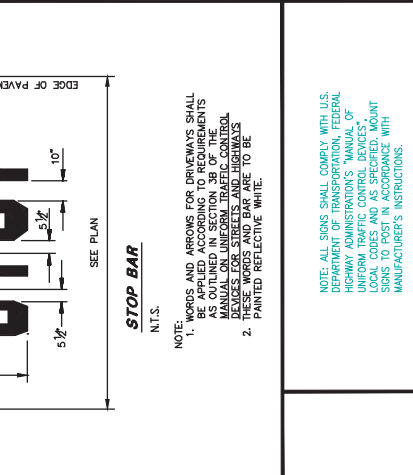
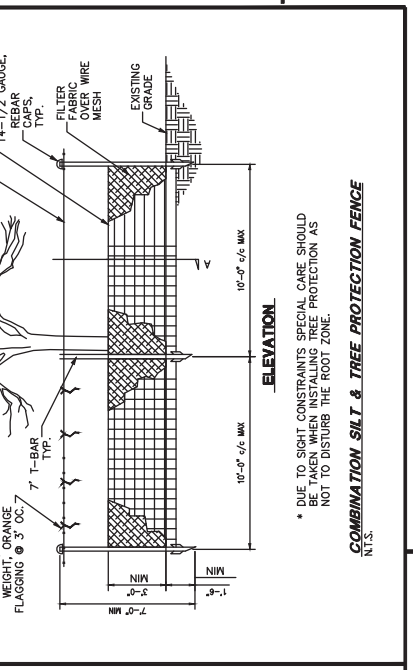
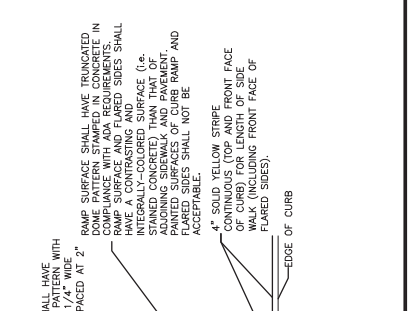
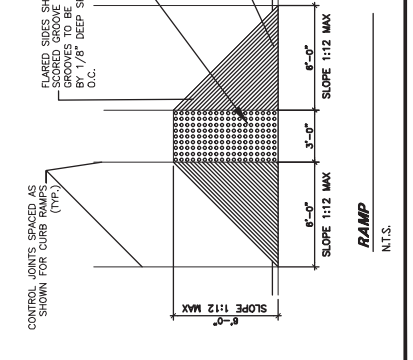
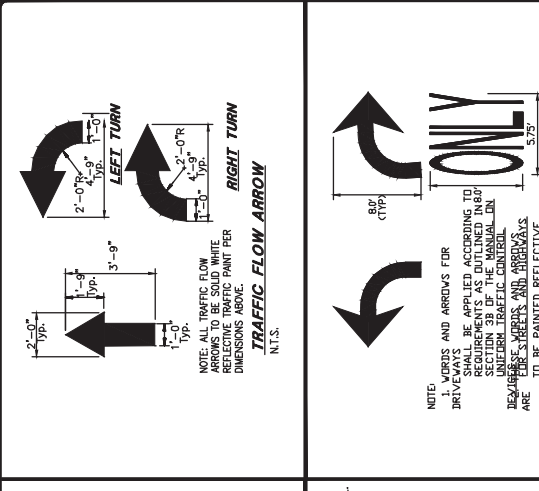
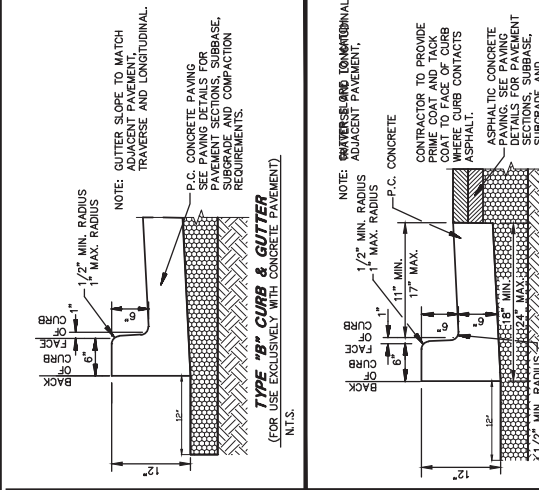
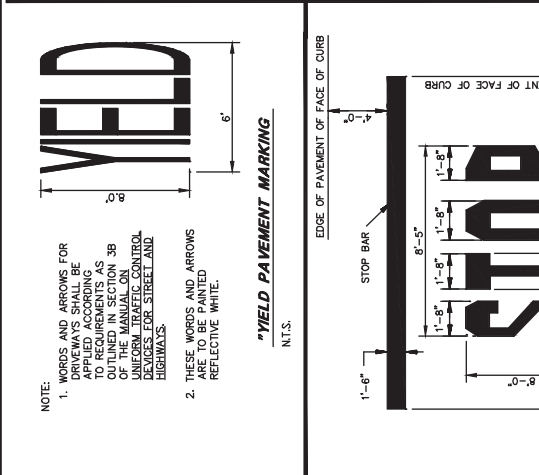
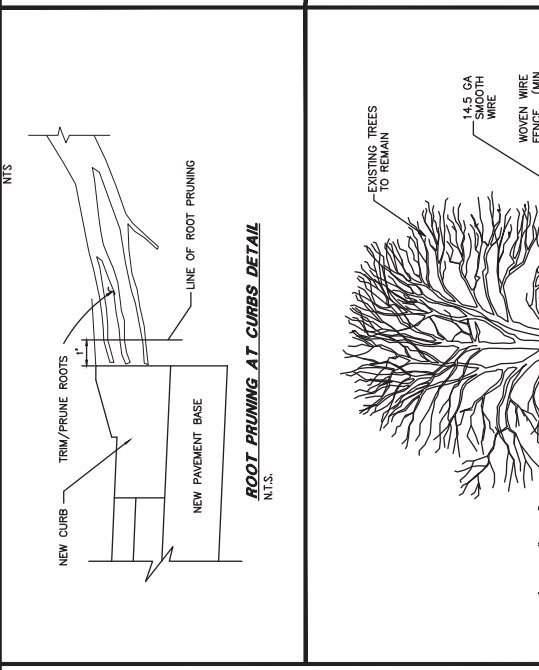
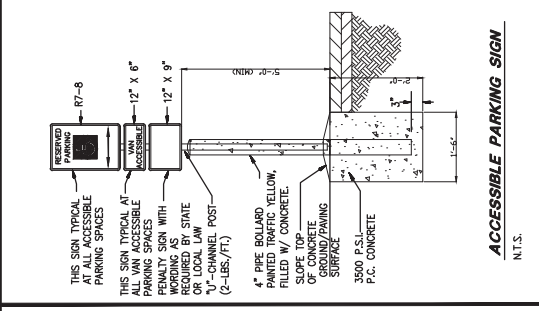
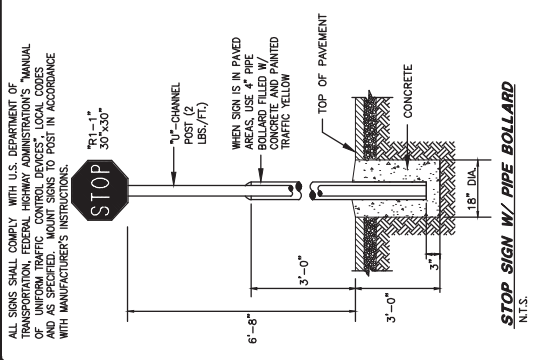
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Douglas E. Bertolotto, P.E. #34541

SPRINGS AT FREMAUX TOWN CENTER
ST. TAMMANY PARISH
FOR CONTINENTAL 294 FUND LLC
MEMMONEE FALLS, WI

DETAIL SHEET
D-1
FILE 14-248 DETAILS
PROJECT NO. 14-248
ISSUED FOR PERMITTING 7/24/14
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REVISION	BY	DATE
1	SMT	7/24/14
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 ST. TAMMANY PARISH
 MEMONEE FALLS, WI
 FOR CONTINENTAL 294 FUND LLC

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ISSUED DATE	7/24/14
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PROJECT NO.	14-248
FILE	14-248 DETAILS
SHEET	D-2

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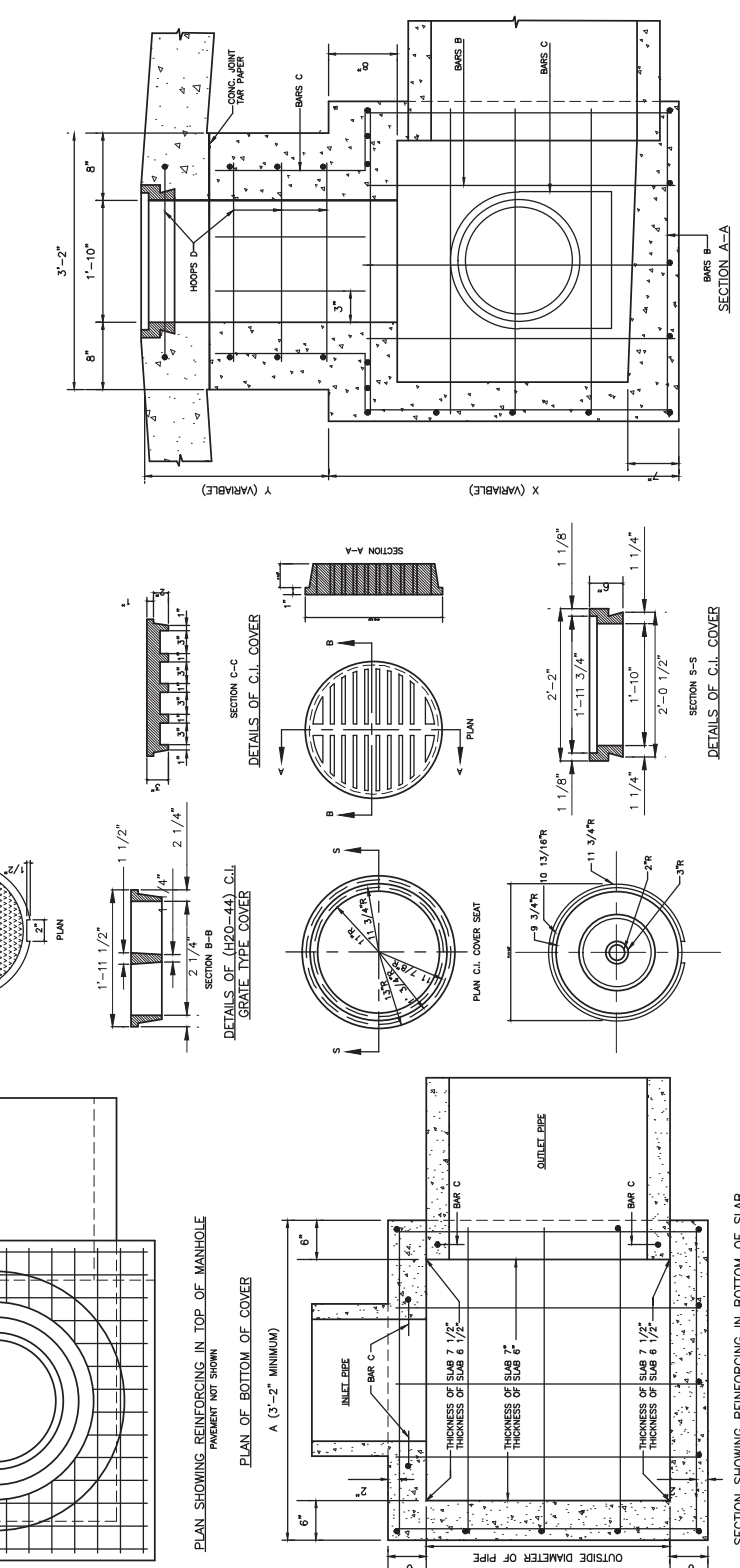
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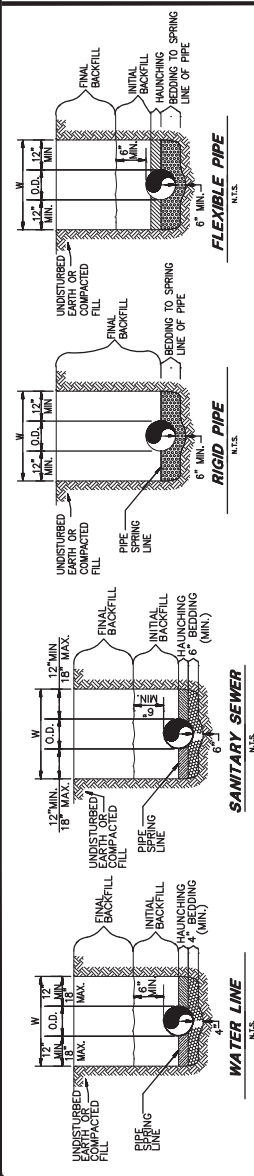
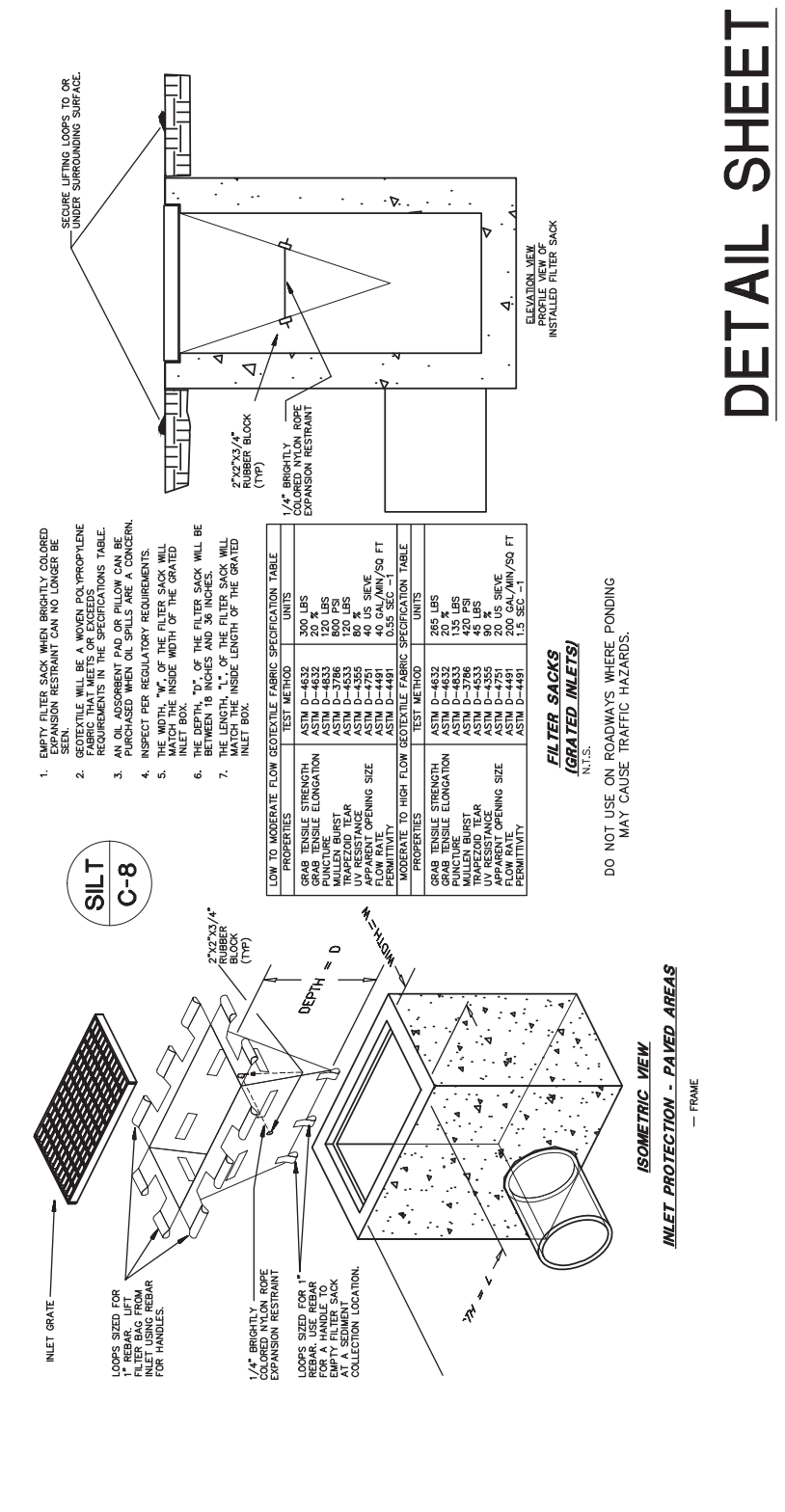
BILL OF MATERIALS FOR ONE MANHOLE
 X = 4'-2" (AS DETAIL)
 UNIT LENGTH

MARK	SIZE	SPACING	NO. REQUIRED	UNIT LENGTH
BARS A	1/2"	APPROX. 11"	10	A-3"
BARS B	1/2"	APPROX. 11"	10	A-3"
BARS C	1/2"	APPROX. 11"	10	A-3"
HOOPS D	1/2"	9" MIN.	1	SEE BENDING DIAGRAM
HOOPS E	1/2"	30" RADIUS	12	V+4 1/2" - P.K. THICKNESS

1. CAST IRON COVER SEAL WEIGHING APPROXIMATELY 161 POUNDS
 1. CAST IRON COVER BEARING APPROXIMATELY 250 POUNDS



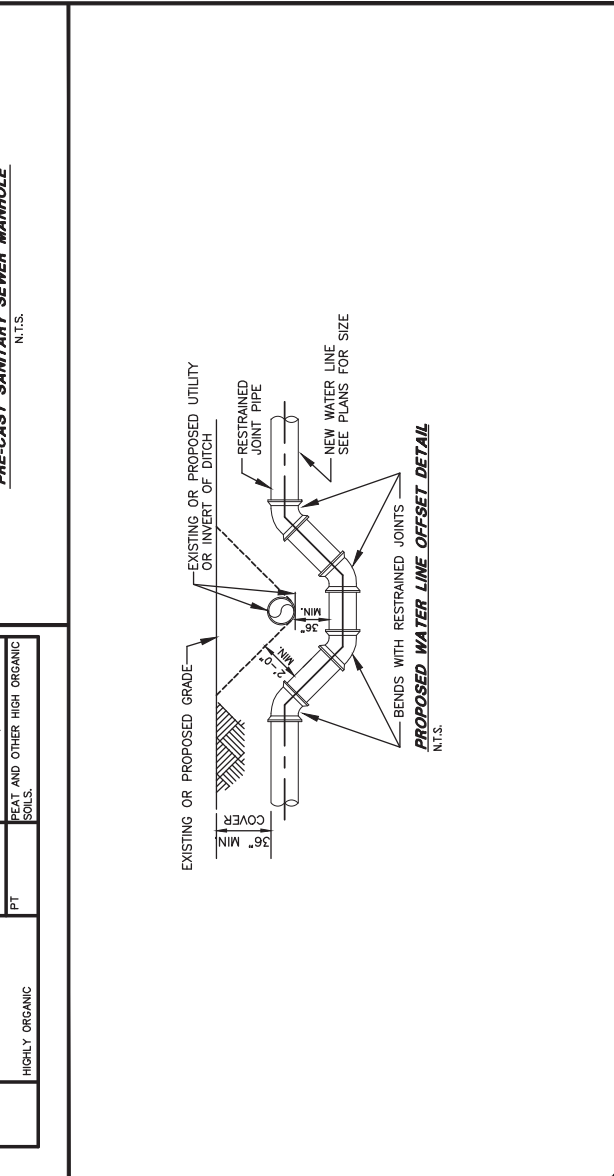
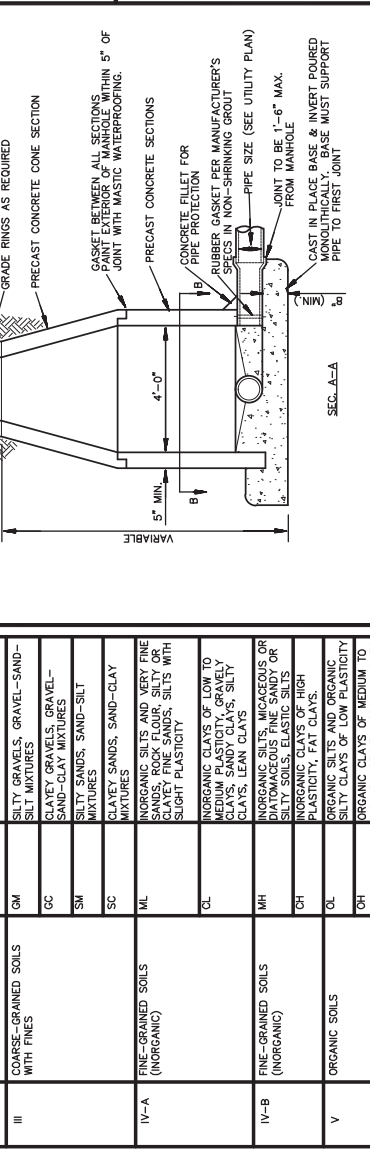
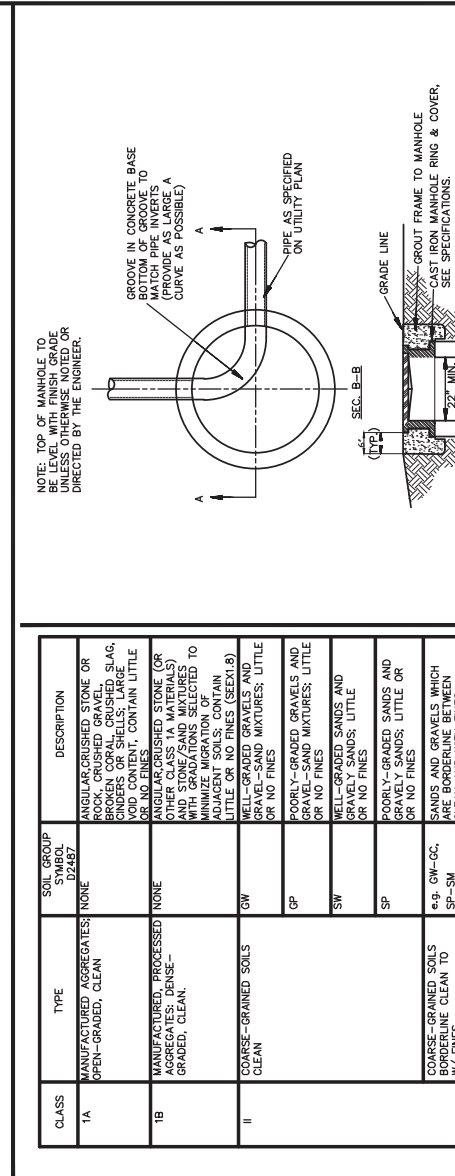
STANDARD PLAN RC MANHOLES I.D.O.D. R-CB-11
 N.T.S.
 30" MAXIMUM PIPE CONNECTION



UTILITY TRENCH AND BEDDING
 N.T.S.

GENERAL NOTES

- BEDDING SHALL BE CLASS I-A WORKED BY HAND. IF GROUNDWATER IS ANTICIPATED, THEN BEDDING SHALL BE CLASS I-B COMPACTED TO 98% STANDARD PROCTOR.
- ALL MATERIALS ARE CLASSIFIED IN ACCORDANCE WITH ASTM D 2321-LATEST EDITION.
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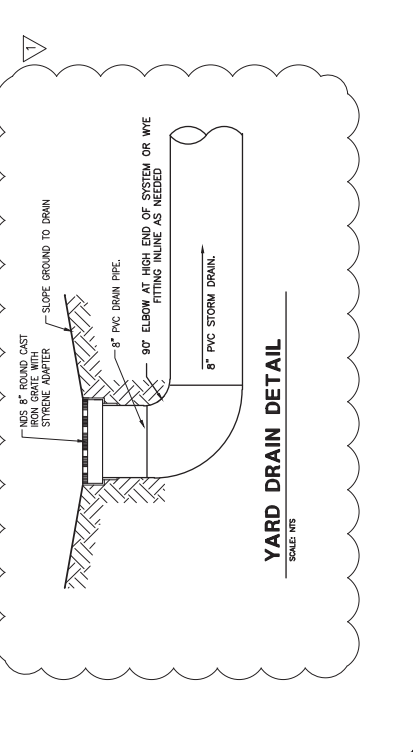
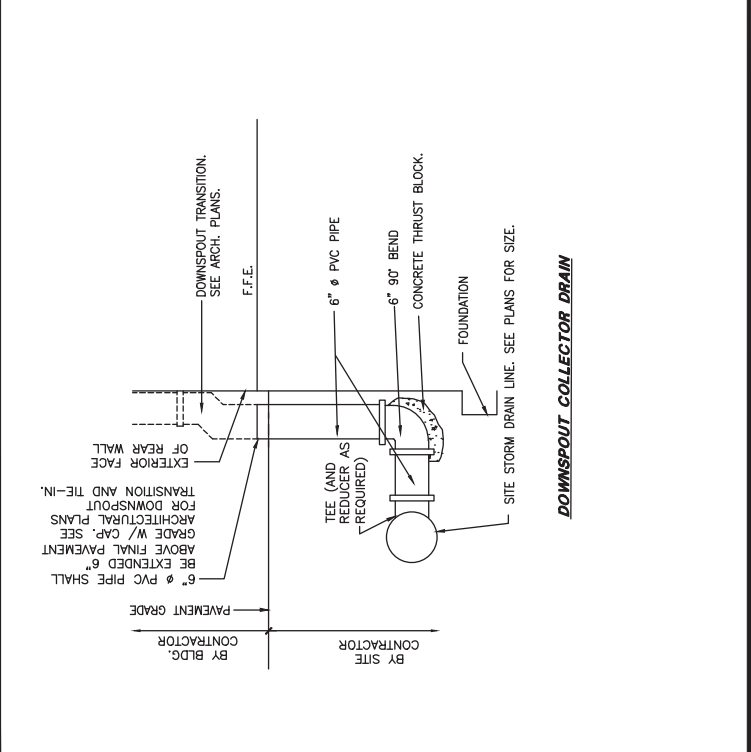
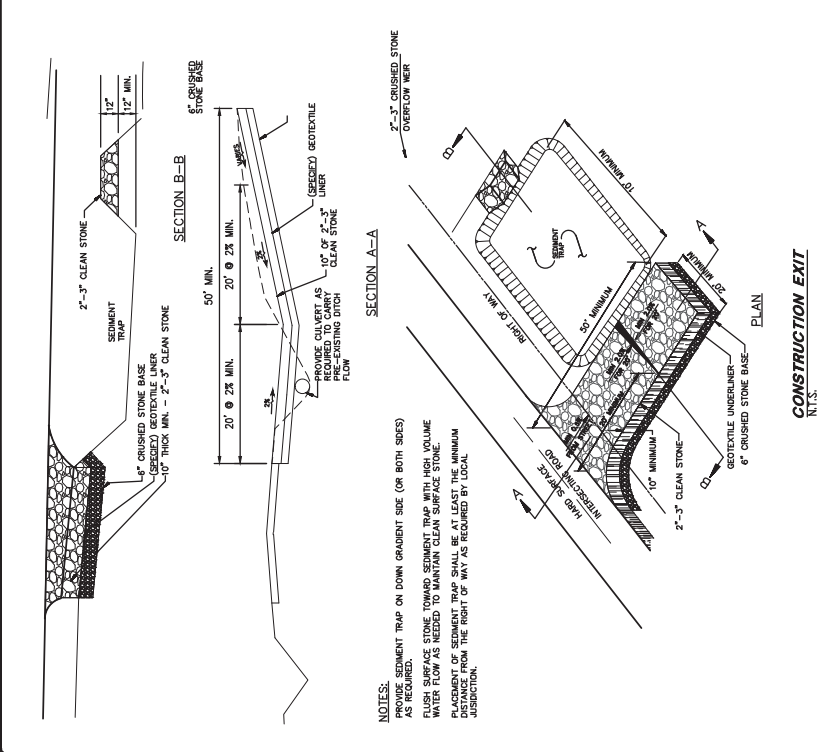
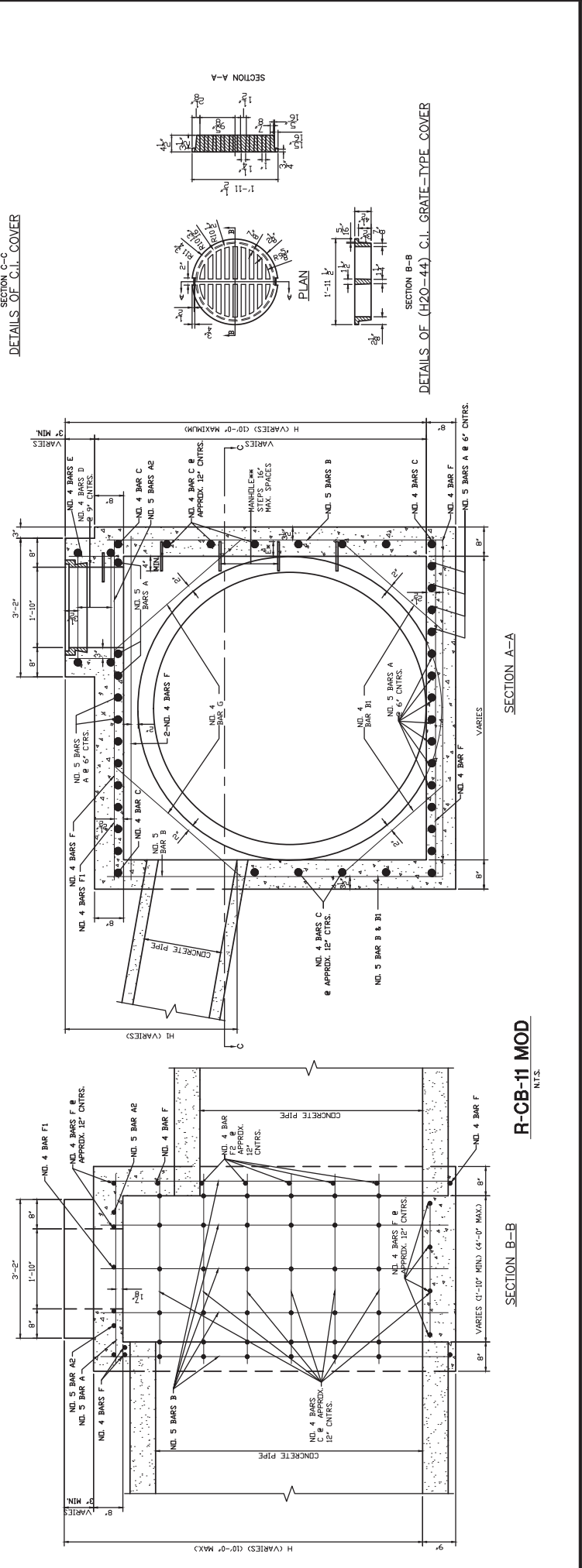
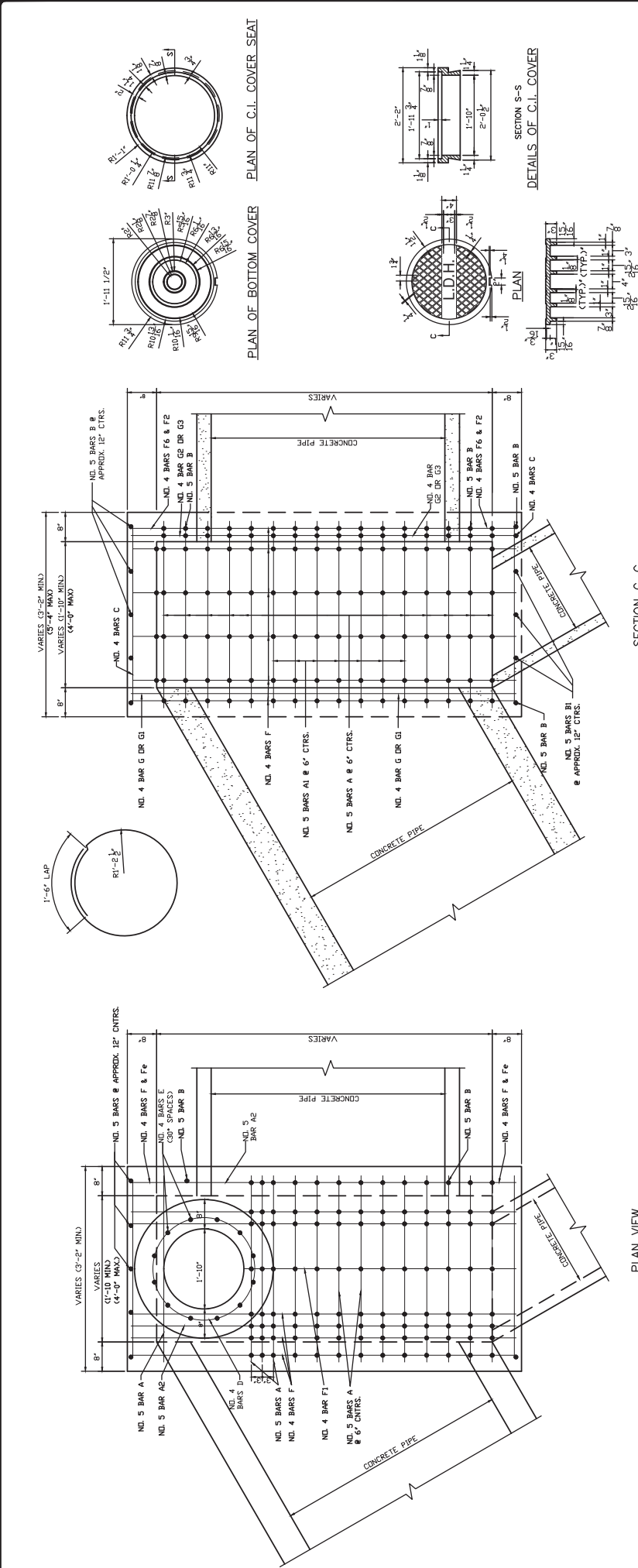
REVISION	BY
7/24/14	SMT
ADDENDUM 1	

BDG
 CIVIL ENGINEERING & ARCHITECTURE
 24 LOUIS PRIMA DRIVE COVINGTON, LA 70433
 WWW.BDGPCOM Phone 984-4980 Fax 984-4990
 THIBODAX | COVINGTON | HOUSTON | BATON ROUGE | HOUMA

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 Douglas E. Bortoloneau, P.E. #34541
 Duplantis Design Group, PC

SPRINGS AT FREMAUX TOWN CENTER
 SLIDELL, LOUISIANA
 ST. TAMMANY PARISH
 MEMONREE FALLS, WI
 FOR CONTINENTAL 294 FUND LLC

DRAWN	DBS
CHECKED	DEB
ISSUED DATE	7/24/14
ISSUED FOR	PERMITTING
PROJECT NO.	14-248
FILE	14-248 DETAILS
SHEET	D-4



DETAIL SHEET

REVISION	BY
7/24/14	SMT
ADENDUM 1	

BDG
DUPONT'S DESIGN GROUP, PC
 CIVIL ENGINEERING • ARCHITECTURE
 24 LOUIS PRIMA DRIVE COVINGTON, LA 70330
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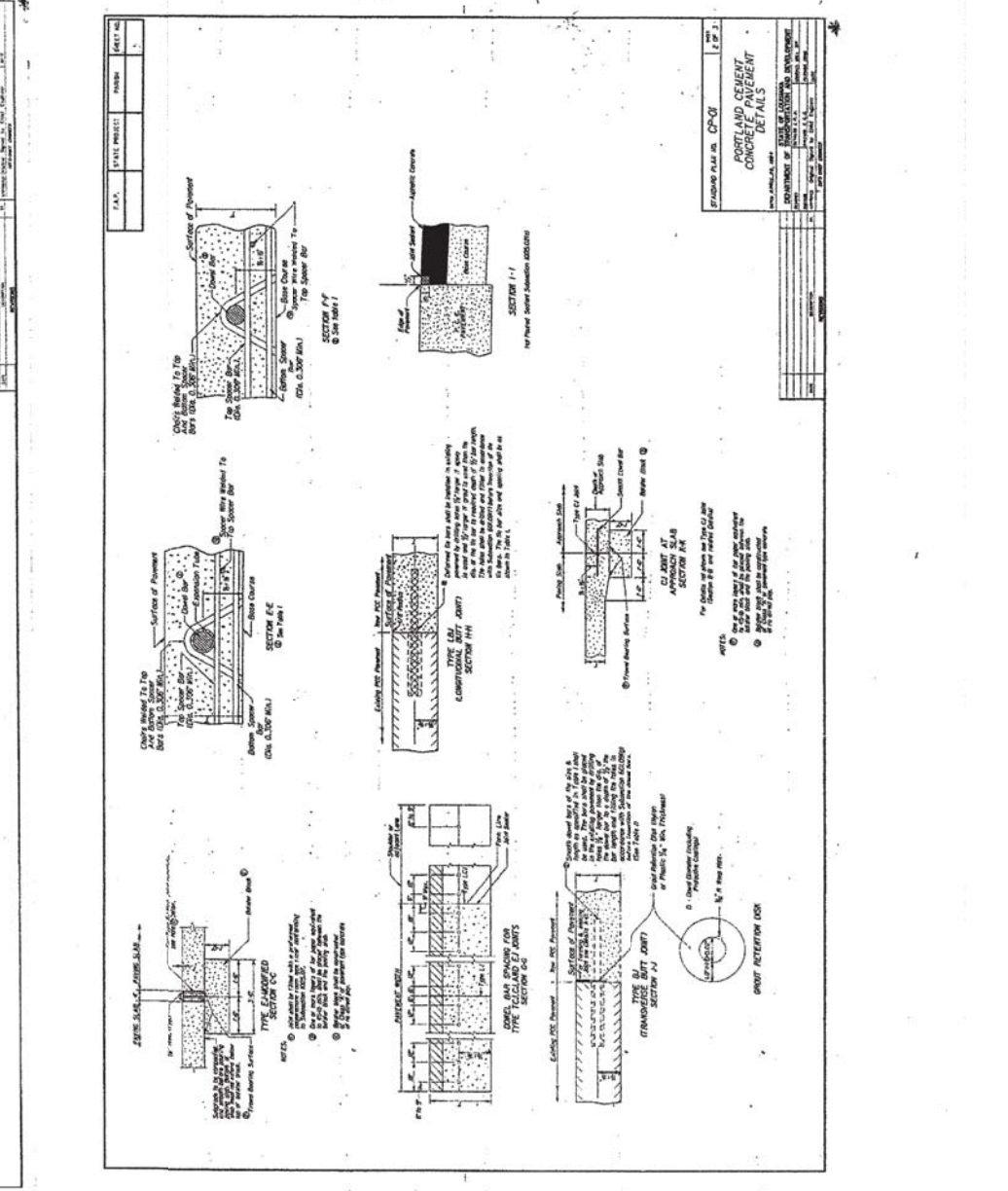
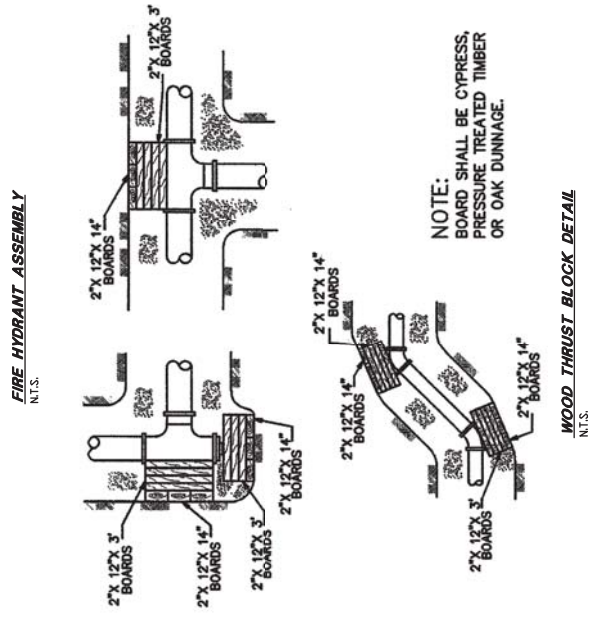
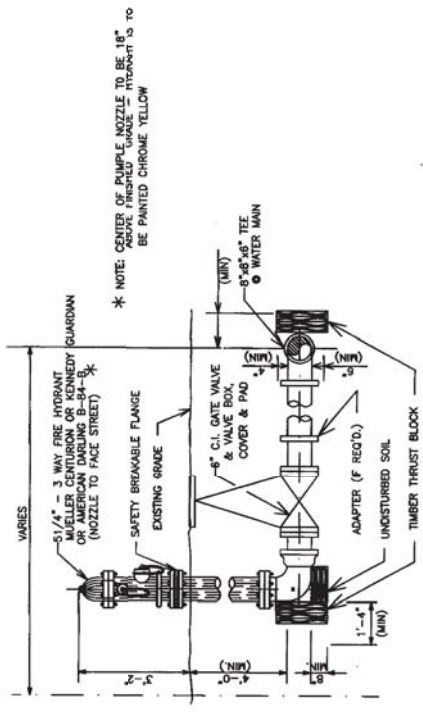
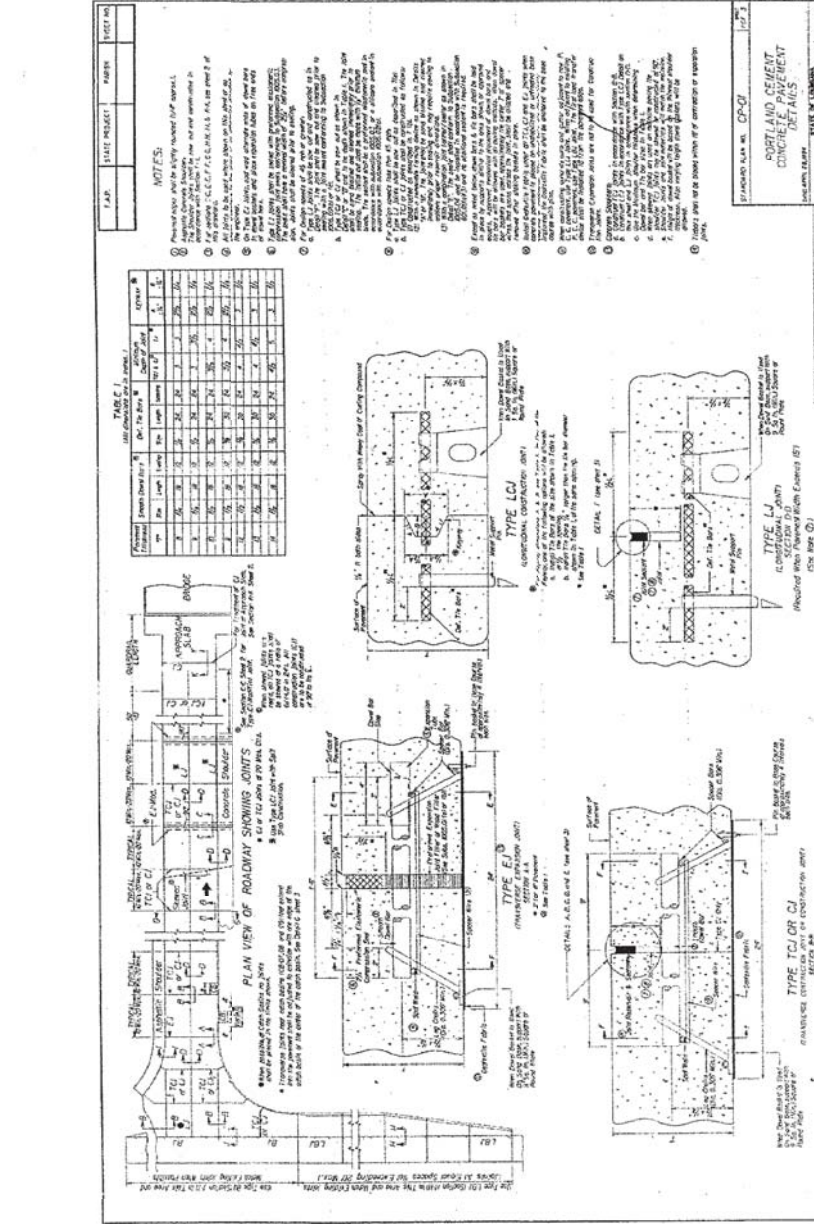
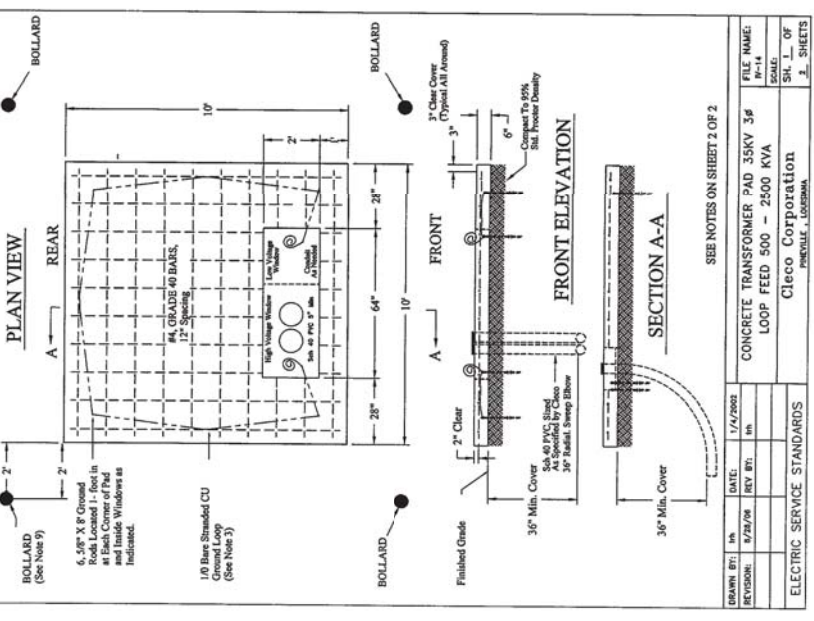
SPRINGS AT FREMAUX TOWN CENTER
SLIDELL, LOUISIANA
ST. TAMMANY PARISH
FOR CONTINENTAL 294 FUND LLC
MEMONEE FALLS, WI

DRAWN	DESS
CHECKED	DEB
ISSUED DATE	7/24/14
ISSUED FOR PERMITTING	
PROJECT NO.	14-248
FILE	14-248 DETAILS
SHEET	D-6

NOTES

1. THE 2 CONDUITS FOR CLECO'S PRIMARY CONDUCTORS ARE TO BE POSITIONED IN HIGH VOLTAGE WINDOW OPENING AS SHOWN.
2. CONDUITS FOR SECONDARY CONDUCTORS ARE TO BE POSITIONED AS REQUIRED IN 24" BY 24" LOW VOLTAGE WINDOW OPENING.
3. GROUND LOOP CONDUCTOR IS TO BE CONTINUOUS WITH 3' TAILS RE-BARS.
4. HAVE CLECO INSPECT AFTER FORMING BUT BEFORE POURING.
5. ALL CONCRETE SHALL BE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI.
6. PROVIDE A MINIMUM OF TEN FEET CLEAR SPACE BETWEEN SIDES AND REAR OF CONCRETE PAD AND ANY STRUCTURE OPENING OR STRUCTURES NOT HAVING THREE HOUR FIRE RATED CONSTRUCTION.
7. PROVIDE A MINIMUM OF FIVE FOOT CLEAR SPACE BETWEEN SIDES AND REAR OF CONCRETE PAD AND ANY FENCE OR STRUCTURE HAVING THREE HOUR FIRE RATED CONSTRUCTION.
8. PROVIDE SUITABLE ACCESS AND EGRESS FOR CLECO PERSONNEL AND EQUIPMENT TO INSTALL, OPERATE, AND MAINTAIN THE TRANSFORMER FROM THE FRONT OF THE CONCRETE PAD.
9. PROVIDE FOUR, SIX INCH, CONCRETE FILLED, STEEL PIPE BOLLARDS. WHEN PAD IS IN AN AREA EXPOSED TO VEHICLES TRAFFIC, BOLLARDS ARE TO BE 10 FOOT IN TOTAL LENGTH WITH 6 FOOT BURIAL DEPTH.

DRAWN BY:	JK	DATE:	1/4/2002	FILE NAME:	CONCRETE TRANSFORMER PAD 35KV 3P
REVISION:	1	REV BY:	JK	SCALE:	N=1/4"
ELECTRIC SERVICE STANDARDS				Cleco Corporation	MOBILE, LOUISIANA
SEE NOTES ON SHEET 2 OF 2					



DETAIL SHEET

WOOD THRUST BLOCK DETAIL
 N.T.S.

PORTLAND CEMENT CONCRETE PAVEMENT DETAILS
 N.T.S.

CONCRETE TRANSFORMER PAD 35KV 3P
 N.T.S.

PORTLAND CEMENT CONCRETE PAVEMENT DETAILS
 N.T.S.

WOOD THRUST BLOCK DETAIL
 N.T.S.

REVISION	BY

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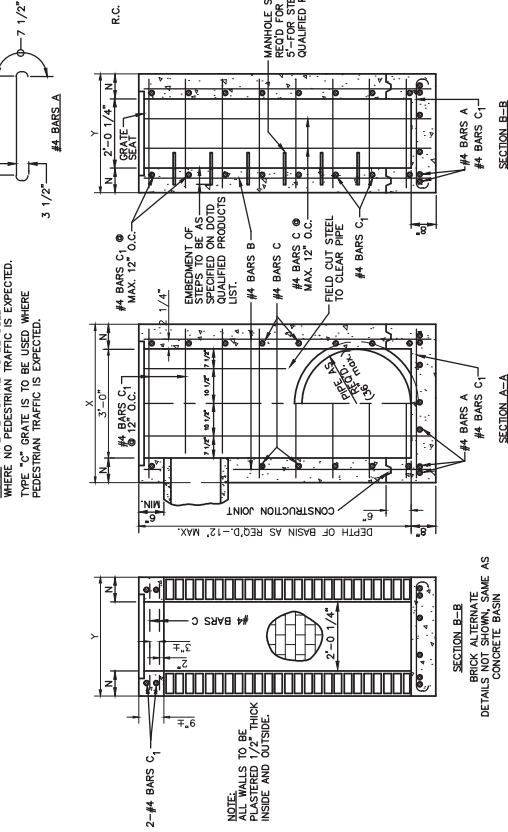
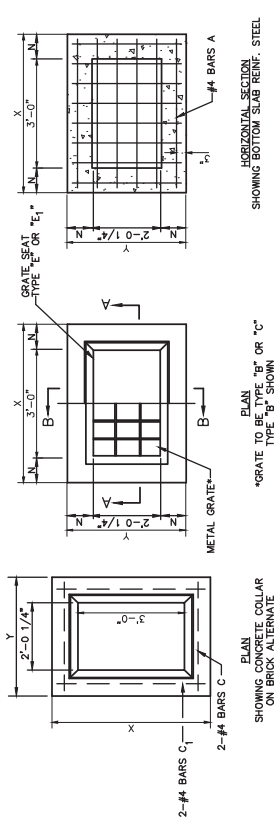
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 Dupont's Design Group, PC

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 ST. TAMMANY PARISH
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DIMENSIONS		X	Y
DEPTH OF BASIN	INCH	FT-INCH	FT-INCH
CONCRETE	0'-0"	0'-0"	0'-0"
BRICK	0'-7 1/2"	0'-7 1/2"	0'-7 1/2"

NOTES:
 DIMENSIONS RELATING TO REINF. STEEL ARE TO BAR CENTERS.
 #4 BARS B MAY BE SPLICED; SPICE LENGTH=35 DIAM. FOR DETAILS OF CONST. JOINT. SEE STD. PLAN CM-49 OR FOR DETAILS OF REINFORCED CONCRETE & STEEL. SEE STD. PLAN MC-01 FOR DETAILS OF R.C. BOX CULVERT. SEE PLANS FOR GRATE TYPE TO BE USED FOR EACH CATCH BASIN.
 STD. PLAN MC-01 MAY BE OBTAINED FROM:
 HYDRAULICS & STANDARD PLANS
 DIVISION OF TRANSPORTATION & DEVELOPMENT
 P.O. BOX 44246 CAPITAL STATION
 BATON ROUGE, LA 70804
 THE CONCRETE STRENGTH OF THE BOTTOMS OF BRICK AND/OR CONCRETE BASINS NEED TO BE AT LEAST 3,000 PSI.



BRICK AND/OR CONCRETE OPEN TOP CATCH BASIN L.D.O.I.D. CB-01
 N.T.S.

M:\CAD\DWG\12-000\12-346\Phase II\Phase I\CB-06.tiff

DETAIL SHEET

FOR INFORMATIONAL PURPOSES ONLY

TYPE 'A'
 DETAILS OF CAST IRON GRATE & FRAME
 NOTES:
 1. WEIGHT OF CAST IRON GRATE = 534 LB.
 2. WEIGHT OF CAST IRON FRAME = 90 LB.

TYPE 'B'
 DETAILS OF CAST IRON GRATE
 NOTES:
 1. UNLESS OTHERWISE STATED, TYPE 'A' FRAME WILL BE USED WITH THIS GRATE.

TYPE 'C'
 DETAILS OF WELDED & SEALED DRAIN GRATE
 NOTES:
 1. GRATE TO BE GALVANIZED
 2. UNLESS OTHERWISE STATED, TYPE 'A' FRAME WILL BE USED WITH THIS GRATE.
 3. SPACER OF GRATE MATCH UP TO FRAME.

TYPE 'D'
 DETAILS OF RIVETED RETICULINE DRAIN GRATE ALTERNATE
 NOTES:
 1. CONTINUOUS WELD FOR ENL. END BEARING MAPS TO BE SET TO CENTER OF BEARING BARS LOCAL TO PLUS BEARING WEIGHT OF DRAIN GRATE = 255 LB. @ 5%
 2. ALL BEARING MAPS TO BE SET TO CENTER OF BEARING BARS LOCAL TO PLUS BEARING WEIGHT OF DRAIN GRATE = 255 LB. @ 5%
 3. END BEARING MAPS TO BE SET TO CENTER OF BEARING BARS LOCAL TO PLUS BEARING WEIGHT OF DRAIN GRATE = 255 LB. @ 5%
 4. ALL BEARING MAPS TO BE SET TO CENTER OF BEARING BARS LOCAL TO PLUS BEARING WEIGHT OF DRAIN GRATE = 255 LB. @ 5%
 5. END BEARING MAPS TO BE SET TO CENTER OF BEARING BARS LOCAL TO PLUS BEARING WEIGHT OF DRAIN GRATE = 255 LB. @ 5%

DETAILS OF GRATES, GRATE FRAMES AND MANHOLES FOR CATCH BASINS AND MANHOLES

SECTION A-A
 PLAN OF CAST IRON GRATE
 HALF SECTION A-A

SECTION B-B
 HALF SECTION B-B

SECTION E-E
 PLAN OF CAST IRON FRAME
 HALF SECTION E-E

SECTION F-F
 HALF SECTION F-F

SECTION G-G
 PLAN OF CAST IRON GRATE
 HALF SECTION G-G

SECTION H-H
 HALF SECTION H-H

SECTION I-I
 PLAN OF CAST IRON GRATE
 HALF SECTION I-I

SECTION J-J
 HALF SECTION J-J

SECTION K-K
 PLAN OF CAST IRON GRATE
 HALF SECTION K-K

SECTION L-L
 HALF SECTION L-L

SECTION M-M
 PLAN OF CAST IRON GRATE
 HALF SECTION M-M

SECTION N-N
 HALF SECTION N-N

SECTION O-O
 PLAN OF CAST IRON GRATE
 HALF SECTION O-O

SECTION P-P
 HALF SECTION P-P

SECTION Q-Q
 PLAN OF CAST IRON GRATE
 HALF SECTION Q-Q

SECTION R-R
 HALF SECTION R-R

SECTION S-S
 PLAN OF CAST IRON GRATE
 HALF SECTION S-S

SECTION T-T
 HALF SECTION T-T

SECTION U-U
 PLAN OF CAST IRON GRATE
 HALF SECTION U-U

SECTION V-V
 HALF SECTION V-V

SECTION W-W
 PLAN OF CAST IRON GRATE
 HALF SECTION W-W

SECTION X-X
 HALF SECTION X-X

SECTION Y-Y
 PLAN OF CAST IRON GRATE
 HALF SECTION Y-Y

SECTION Z-Z
 HALF SECTION Z-Z

FOR INFORMATIONAL PURPOSES ONLY

TYPE 'E' OR 'E1'
 DETAILS OF GRATE FRAME
 NOTES:
 1. GRATE TO BE GALVANIZED AFTER FABRICATION
 2. WEIGHT OF GRATE FRAME = 92 LB.

TYPE 'F'
 DETAILS OF GRATE FRAME
 NOTES:
 1. GRATE TO BE GALVANIZED AFTER FABRICATION
 2. WEIGHT OF GRATE FRAME = 92 LB.

DETAILS OF GRATES, GRATE FRAMES AND MANHOLES FOR CATCH BASINS AND MANHOLES

SECTION E-E
 PLAN OF CAST IRON FRAME
 HALF SECTION E-E

SECTION F-F
 HALF SECTION F-F

SECTION G-G
 PLAN OF CAST IRON GRATE
 HALF SECTION G-G

SECTION H-H
 HALF SECTION H-H

SECTION I-I
 PLAN OF CAST IRON GRATE
 HALF SECTION I-I

SECTION J-J
 HALF SECTION J-J

SECTION K-K
 PLAN OF CAST IRON GRATE
 HALF SECTION K-K

SECTION L-L
 HALF SECTION L-L

SECTION M-M
 PLAN OF CAST IRON GRATE
 HALF SECTION M-M

SECTION N-N
 HALF SECTION N-N

SECTION O-O
 PLAN OF CAST IRON GRATE
 HALF SECTION O-O

SECTION P-P
 HALF SECTION P-P

SECTION Q-Q
 PLAN OF CAST IRON GRATE
 HALF SECTION Q-Q

SECTION R-R
 HALF SECTION R-R

SECTION S-S
 PLAN OF CAST IRON GRATE
 HALF SECTION S-S

SECTION T-T
 HALF SECTION T-T

SECTION U-U
 PLAN OF CAST IRON GRATE
 HALF SECTION U-U

SECTION V-V
 HALF SECTION V-V

SECTION W-W
 PLAN OF CAST IRON GRATE
 HALF SECTION W-W

SECTION X-X
 HALF SECTION X-X

SECTION Y-Y
 PLAN OF CAST IRON GRATE
 HALF SECTION Y-Y

SECTION Z-Z
 HALF SECTION Z-Z