

CONSTRUCTION PLANS OF OAK RIDGE MASTER PLANNED COMMUNITY PHASE I

LOCATED IN: JOHNSON BAYOU, LA

PREPARED FOR:

PORT CITY CONSTRUCTION
P.O. BOX 6573
LAKE CHARLES, LA 70606

PREPARED BY:

CYPRESS ENGINEERING AND DEVELOPMENT, LLC
4310 RYAN ST., STE. 122
LAKE CHARLES, LA 70605
337.504.7755

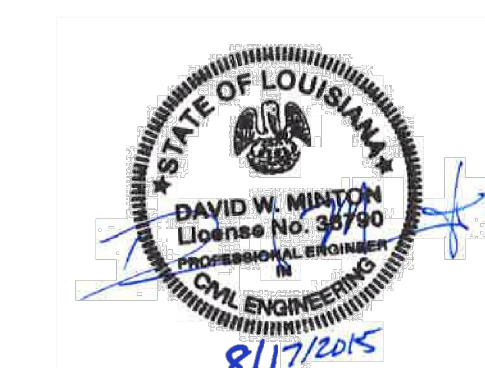
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General Notes

PRELIMINARY


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No.	Revisions	Date

Firm Name and Address:



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Project Name and Address:

**OAK RIDGE MASTER
PLANNED COMMUNITY**
PORT CITY CONSTRUCTION
P.O. BOX 6573
LAKE CHARLES, LA 70606

TITLE SHEET

Drawn By: A.C.J.	1
Project: 2015-09	
Date: 8/17/2015	
Scale: N.T.S.	



1 SITE PLAN
2 SCALE: 1" = 120'



2 VICINITY MAP
2 SCALE: 1" = 2,000'



3 PROJECT LOCATION
2 SCALE: 1" = 750'

GENERAL NOTES:

- WHERE PHYSICAL JOB SITE MEASUREMENTS ARE REQUIRED BEFORE FABRICATION, IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE ACTUAL CONSTRUCTION DIMENSIONS/DETAILS PRIOR TO FABRICATION.
- ANY DISCREPANCY OR CONFLICT IN THESE CONSTRUCTION DOCUMENTS SHALL BE REPORTED TO THE PROJECT ENGINEER. ALL DIMENSIONS ARE TO BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.
- ANY MODIFICATIONS MADE TO THESE CONSTRUCTION DOCUMENTS TO ACCOMPLISH THE REQUIRED WORK SHALL BE REPORTED TO THE PROJECT ENGINEER AND APPROVED BY ENGINEER PRIOR TO THIS WORK BEING COMPLETED.
- CONTRACTOR SHALL PROVIDE OWNER WITH AS-BUILT DRAWINGS OF THE SITE AND UTILITIES INSTALLED AND PROPERLY COVERED AT THE COMPLETION OF THE PROJECT.
- CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, EQUIPMENT, UTILITIES, PAVING, ETC. FROM DAMAGE DURING CONSTRUCTION OPERATIONS THAT ARE TO REMAIN. REPLACE DAMAGED ITEMS WITH NEW TO MATCH EXISTING AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL DISPOSE OF ALL EXCESS CONSTRUCTION MATERIALS, DEBRIS, TREES, STUMPS, AND/OR SOIL FROM THE JOB SITE IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL STANDARDS.
- THE CONTRACTOR SHALL EMPLOY A LOUISIANA LICENSED SURVEYOR OR ENGINEER TO PROVIDE ALL CONSTRUCTION LAYOUT, AND/OR BASELINES. SURVEYOR SHALL SET THE PROJECT TBM FOR USE DURING CONSTRUCTION.
- ELEVATION AND CONTOUR INFORMATION IS BASED UPON ACTUAL TOPOGRAPHIC SURVEYS PERFORMED BY ACCU-LINE SURVEYING, INC PRIOR TO CONSTRUCTION. ENGINEER SHALL NOT BE RESPONSIBLE FOR EXISTING UTILITIES SHOWN ON OR MISSING FROM THESE PROJECT DRAWINGS. ALL UTILITY LOCATIONS SHOWN ON THE PROJECT DRAWINGS ARE APPROXIMATE AND BASED UPON SURVEY COMPLETED BY ACCU-LINE SURVEYING, INC.
- CONTRACTOR SHALL LOCATE ALL UTILITIES BY CALLING LA ONE CALL 1.800.282.3020 NO LESS THAN 72 HOURS PRIOR TO ANY EXCAVATION CALLED FOR OR IMPLIED WITHIN THESE DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE OF, AND THE ACTUAL LOCATION OF SUCH, WHETHER SHOWN HEREON OR NOT, PRIOR TO ANY EXCAVATION.
- SEWER VARIANCE REQUIRED FOR EACH LOT BY BUILDER FOR SEPTIC SEWER SYSTEM BY DHH.

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SITE PLAN

Drawn By:	A.C.J.	2
Project:	2015-09	
Date:	8/17/2015	
Scale:	AS NOTED	

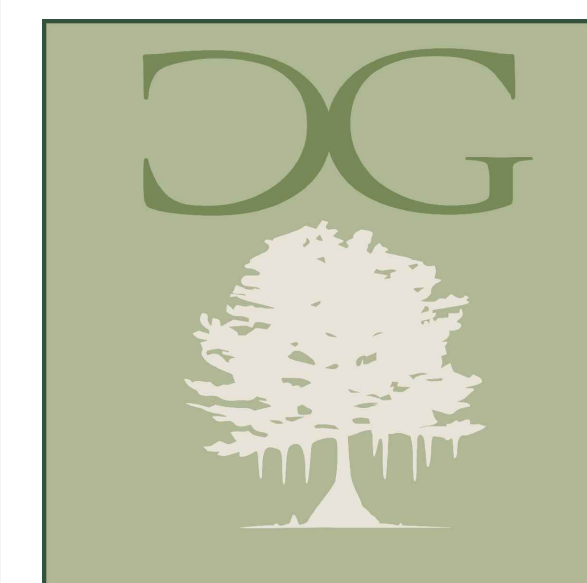
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LOT LAYOUT

Drawn By: A.C.J.

Project: 2015-09

Date: 8/17/2015

Scale: 1" = 120'

3



1 LOT LAYOUT
3 SCALE: 1" = 120'

Parcel #	Area (Sq. Ft.)	Area (Acres)	Perimeter
1	16677.22	0.38	547.88
2	15369.05	0.35	558.12
3	18776.56	0.43	657.40
4	16204.87	0.37	507.92
5	17577.34	0.40	585.87
6	16405.34	0.38	555.69
7	18308.81	0.42	565.90
8	15300.96	0.35	501.04
9	14493.34	0.33	489.11
10	14528.54	0.33	498.73
11	14511.86	0.33	506.97
12	14779.54	0.34	516.52
13	14671.49	0.34	517.73
14	14586.67	0.33	517.49
15	14645.12	0.34	519.13
16	15282.22	0.35	538.36
17	21727.78	0.50	596.70
18	20107.45	0.46	584.16
19	18677.52	0.43	592.49
20	17616.44	0.40	534.80
21	22866.86	0.52	676.54
22	18244.17	0.42	564.31
23	16510.51	0.38	560.78
24	15812.39	0.36	556.48
25	15054.35	0.35	539.94

Parcel #	Area (Sq. Ft.)	Area (Acres)	Perimeter
26	15559.50	0.36	522.24
27	15889.27	0.36	517.30
28	15022.15	0.34	490.85
29	14712.49	0.34	492.68
30	14528.75	0.33	490.04
31	16402.63	0.38	526.84
32	17747.53	0.41	559.07
33	15491.42	0.36	554.76
34	19210.55	0.44	658.16
35	23361.39	0.54	659.73
36	20011.66	0.46	624.76
37	19922.53	0.46	624.12
38	20182.55	0.46	628.76
39	20479.81	0.47	635.37
40	20777.08	0.48	641.98
41	20798.53	0.48	639.49
42	19933.76	0.46	623.33
43	19009.25	0.44	603.65
44	18590.00	0.43	593.92
45	24710.95	0.57	668.34
46	20109.45	0.46	628.30
47	20137.73	0.46	629.47
48	20705.46	0.48	640.61
49	21722.57	0.50	662.67
50	22581.86	0.52	679.26

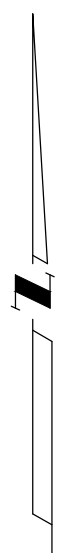
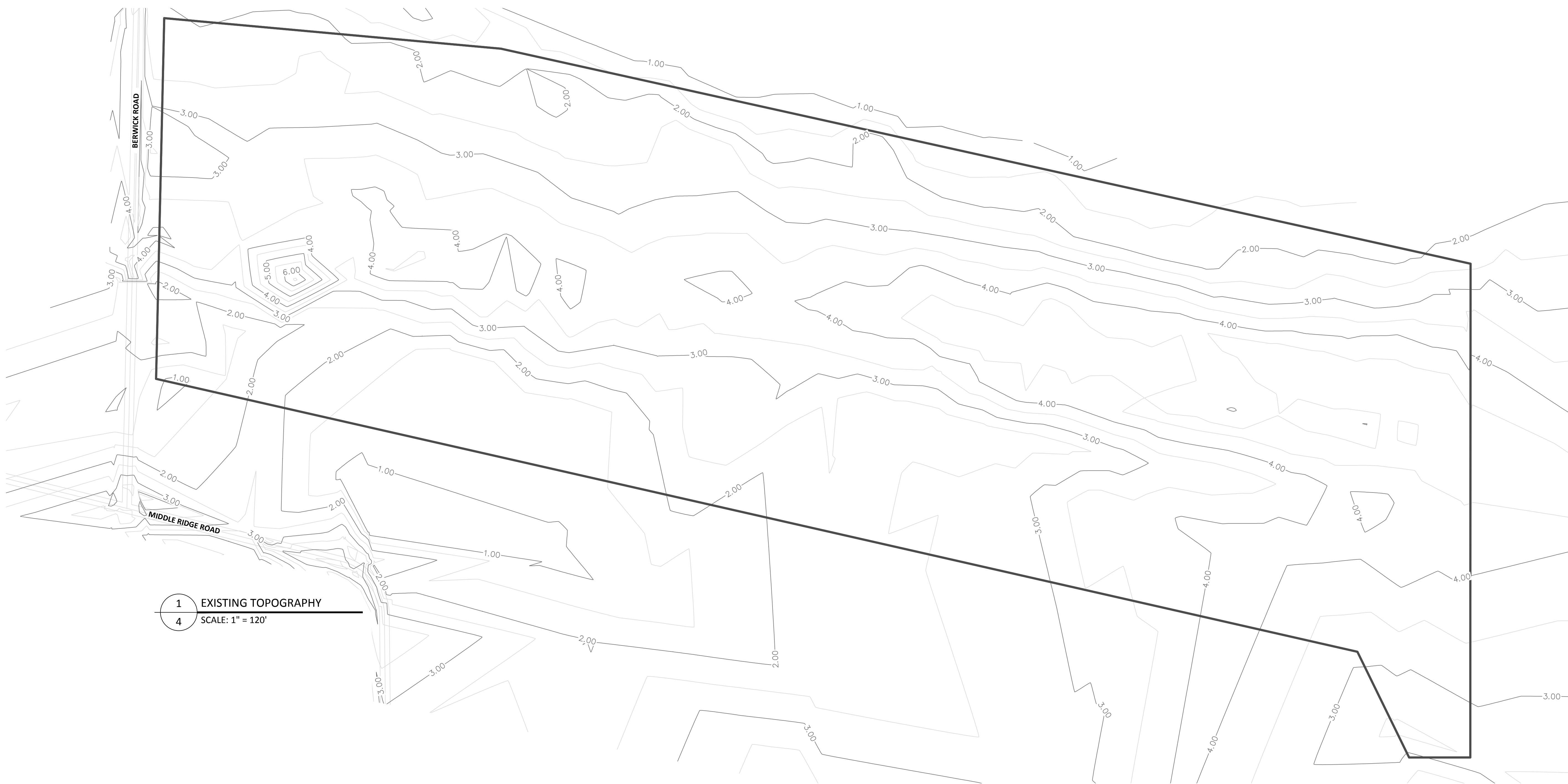
Parcel #	Area (Sq. Ft.)	Area (Acres)	Perimeter
51	22201.19	0.51	673.84
52	20972.70	0.48	647.67
53	19947.04	0.46	625.52
54	19751.30	0.45	623.51
55	20435.26	0.47	632.47
56	21732.31	0.50	648.54
57	21009.28	0.48	615.45
58	28297.54	0.65	712.10
59	24747.14	0.57	763.54
60	22050.47	0.51	641.01
61	22044.12	0.51	640.88
62	22037.19	0.51	640.74
63	21979.87	0.50	637.62
64	20610.22	0.47	611.23
65	22071.49	0.51	624.24
66	22238.79	0.51	642.46
67	21999.82	0.51	640.00
68	22284.66	0.51	650.16
69	28176.66	0.65	791.26
101	53458.93	1.23	902.16
102	6561.93	0.15	364.44
103	44306.36	1.02	847.52
104	39193.67	0.90	832.93
105	22056.82	0.51	641.14
106	34769.58	0.80	756.09

GENERAL NOTES:

- FINAL GRADING OF LOTS SHALL SLOPE AWAY FROM THE ROADWAY TO AVOID CONCENTRATION OF STORM WATER ON ANY LOT.

EASEMENT NOTES:

- EASEMENTS ALONG LOTS ONE (1) THROUGH SIXTY-NINE (69) ARE FIFTEEN (15) FOOT WIDE UTILITY EASEMENTS.



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**EXISTING
TOPOGRAPHY**

Drawn By:	A.C.J.
Project:	2015-09
Date:	8/17/2015
Scale:	1" = 120'

Sheet
4

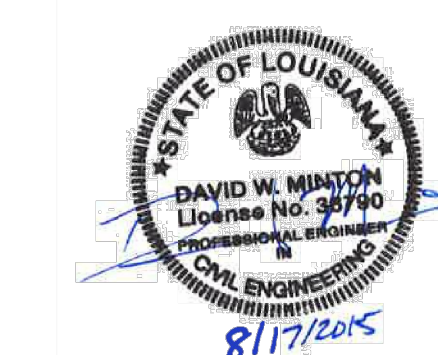
GENERAL NOTES:

1. CONTOURS BASED UPON TOPOGRAPHIC DATA COLLECTED BY ACCU-LINE SURVEYING, INC DATED FEBRUARY 4, 2015.
2. CONTOURS CREATED BY AUTOCAD CIVIL 3D ALGORITHM.
3. TREES REMOVED FROM RIGHT OF WAYS TO FACILITATE CONSTRUCTION.

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WATER DISTRIBUTION SYSTEM

Drawn By:	A.C.J.	5
Project:	2015-09	
Date:	8/17/2015	
Scale:	AS NOTED	



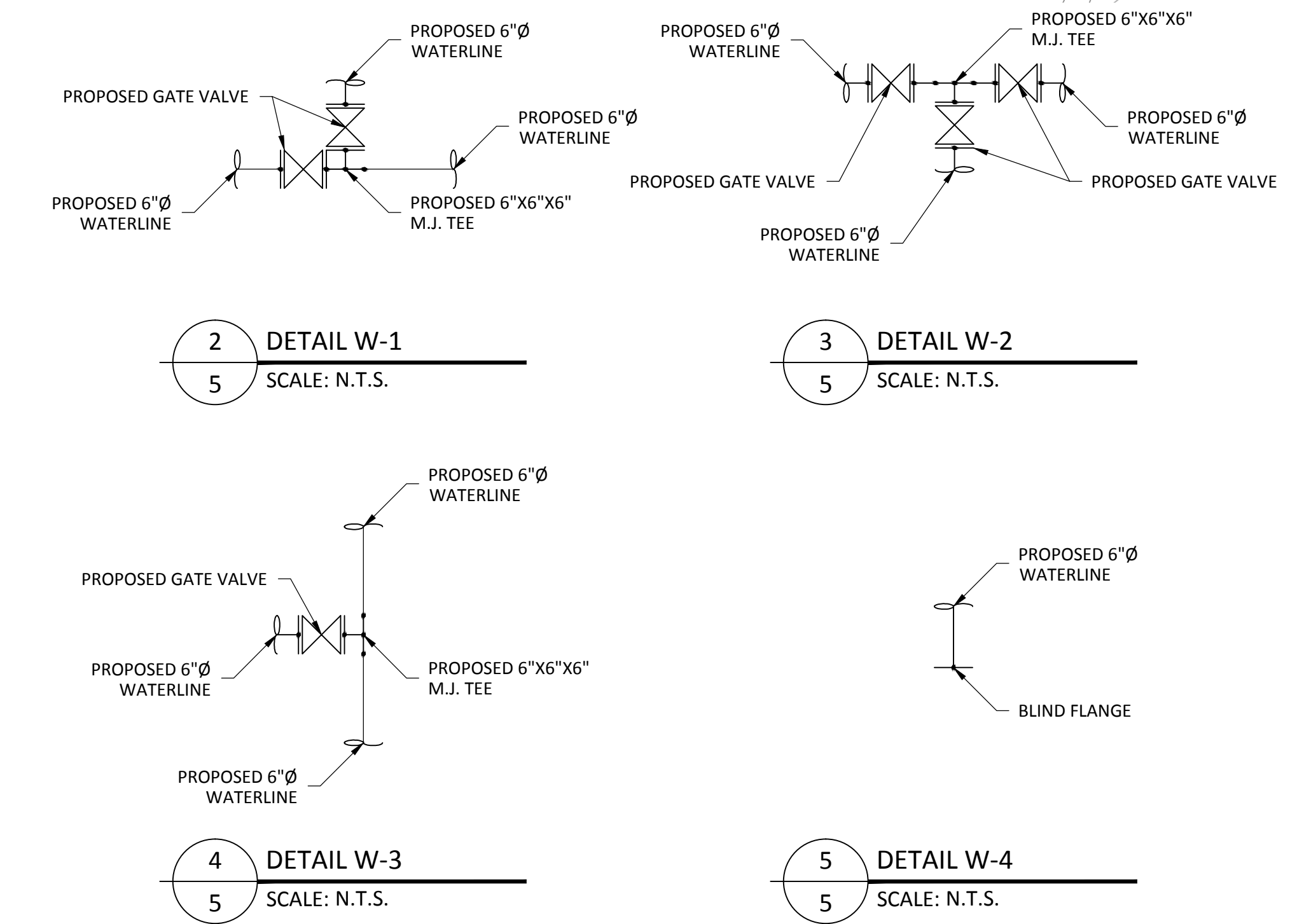
1 WATER DISTRIBUTION SYSTEM
SCALE: 1" = 120'

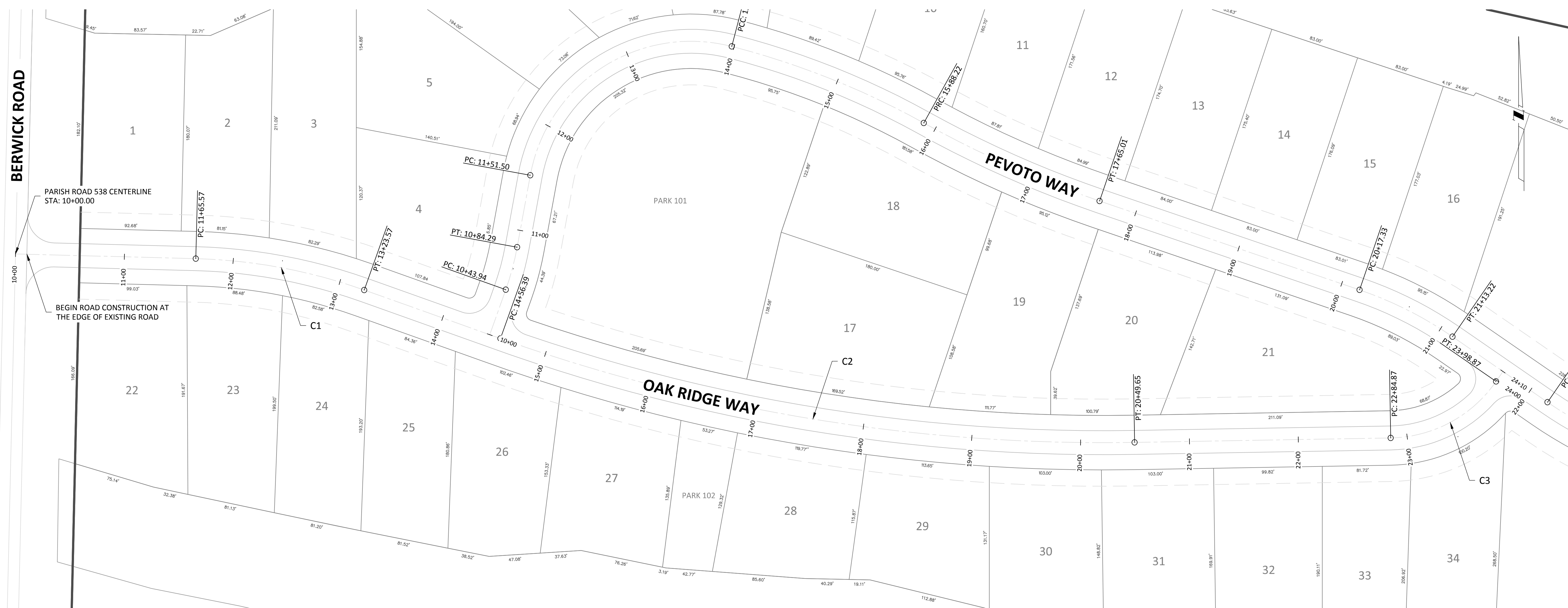
HYDRANT DESIGNATION	ROAD NAME	STATION	OFFSET
FH-1	OAK RIDGE WAY	14+79.39	31.00' L
FH-2	PEVOTO WAY	16+03.69	31.00' L
FH-3	OAK RIDGE WAY	23+54.73	31.00' L
FH-4	PEVOTO WAY	28+92.20	31.00' L
FH-5	EAST RIDGE ROAD	11+57.36	31.00' L
FH-6	EAST RIDGE ROAD	18+48.54	31.00' L
FLUSH	EAST RIDGE ROAD	9+88.22	51.43' L

GENERAL NOTES:

1. ALL MATERIALS AND CONSTRUCTION SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL GUIDELINES.
2. MATERIALS FOR CONSTRUCTION OF WATER DISTRIBUTION SYSTEM SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:
 - 2.A. PVC WATER LINES TO AWWA CLASS 160 DR 26 PVC PRESSURE PIPE GASKET JOINT OR AWWA DRISCOPE DR 11 HDPE PIPE.
 - 2.B. TRACER WIRE TO BE INSTALLED ALONG ENTIRE LENGTH OF NEW WATER MAIN AND CONNECTED TO FITTINGS. TRACER WIRE SHALL BE AGAVE WIRE LTD., DALLAS, TEXAS TYPE APCS-1201, OR APE-1201, OR APPROVED EQUAL.
 - 2.C. WATER MAINS TEN (10) INCH DIAMETER AND SMALLER SHALL HAVE A MINIMUM COVER OF THREE (3) FEET; WATER MAINS TWELVE (12) INCH DIAMETER AND LARGER SHALL HAVE A MINIMUM COVER OF FOUR (4) FEET.
 - 2.D. ALL WATER MAIN FITTINGS SHALL BE DUCTILE IRON, COMPACT MECHANICAL JOINTS.
 - 2.E. CONCRETE THRUST BLOCKING AND RESTRAINER GLANDS SHALL BE PROVIDED AT EACH HYDRANT, VALVE, BEND, TEE, AND AT REDUCERS AND FITTINGS WHERE CHANGES OCCUR IN PIPE DIAMETER OR DIRECTIONS.
 - 2.F. CONCRETE FOR THRUST BLOCKS AND INCIDENTAL USES SHALL BE READY-MIXED CONCRETE WITH A 28-DAY COMPRESSIVE STRENGTH OF 3,000 PSI MINIMUM.
 - 2.G. MINIMUM HORIZONTAL SEPARATION OF SIX (6) FEET SHALL BE MAINTAINED BETWEEN WATER MAINS AND SEWERAGE MAINS, UNLESS OTHERWISE STATED IN PLANS.
 - 2.H. MINIMUM VERTICAL SEPARATION OF EIGHTEEN (18) INCHES SHALL BE MAINTAINED WHERE WATER AND SEWERAGE MAINS CROSS, UNLESS OTHERWISE NOTED IN PLANS.
- 2.I. ALL BENDS AND TEES FOR WATER LINES ARE TO BE INSTALLED WITH CONCRETE THRUST BLOCKS IN ADDITION TO RESTRAINING GLANDS.
- 2.J. FIRE HYDRANTS TO BE MUELLER A423 OR EQUAL
- 2.K. FIRE HYDRANTS TO BE IN COLOR RED.
- 2.L. CONTRACTOR TO VERIFY HYDRANT FIRE HOSE CONNECTION THREAD TYPE USED BY COMMUNITY.

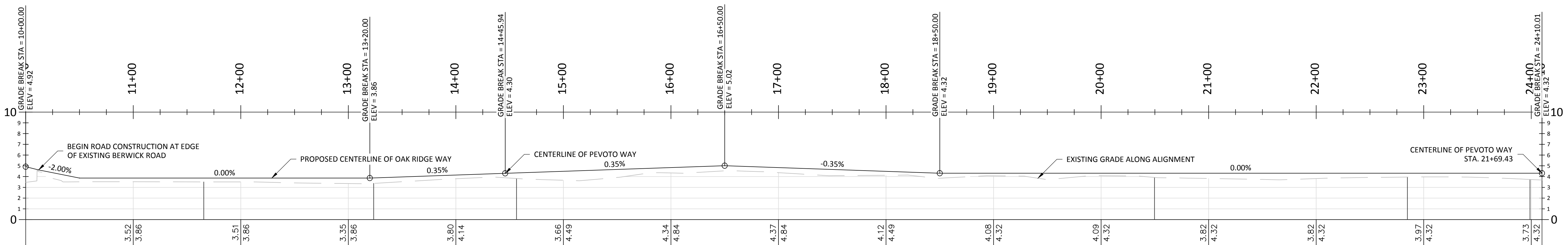
3. TESTING OF THE WATER LINE SHALL COMPLY WITH THE FOLLOWING:
 - 3.A. BEFORE WATER LINE IS ACCEPTED IT SHALL PASS A HYDROSTATIC TEST AND LEAKAGE TEST PERFORMED BY THE CONTRACTOR SHALL IN THE PRESENCE OF A UTILITY COMPANY REPRESENTATIVE.
 - 3.B. AIR SHALL BE EXPELLED FROM THE PIPE.
 - 3.C. TEST PRESSURE IS 150 PSI.
 - 3.D. GAUGES SHALL BE LIQUID FILLED, AND PROTECTED AGAINST PULSATION AND VIBRATION.
 - 3.E. PRESSURE RATING GAUGE SHALL BE TWICE THE TEST PRESSURE.
 - 3.F. HYDROSTATIC TEST: TEST PRESSURE SHALL BE MAINTAINED FOR A MINIMUM OF TWO (2) HOURS. AT NO TIME DURING THE TEST SHALL PRESSURE DROP MORE THAN TEN (10) PSI; OTHERWISE, THE TEST FAILS. LEAKAGE TEST: CONTRACTOR SHALL MAINTAIN TEST PRESSURE FOR 24 HOURS. AT NO TIME DURING THE FIRST FOUR (4) HOURS SHALL THE PRESSURE BE ALLOWED TO DROP MORE THAN FIVE (5) PSI; OTHERWISE, THE TEST FAILS. AS A MINIMUM, THE CONTRACTOR, IN THE UTILITY OWNERS PRESENCE, MUST CONFIRM CURRENT PRESSURE AND REESTABLISH IT TO BE THE TEST PRESSURE AFTER TWO (2), FOUR (4), AND 24 HOURS OF TESTING. LEAKAGE, DEFINED AS THE AMOUNT OF WATER REQUIRED TO BE ADDED TO THE PIPELINE TO MAINTAIN THE SPECIFIED TEST PRESSURE, IS LIMITED TO TEN (10) GALLONS PER 24 HOURS PER MILE OF PIPE FOR EACH INCH OF DIAMETER. BOTH THE FOUR (4) HOUR AND 24 HOUR INTERVALS MUST SATISFY THIS TESTING LIMIT FOR THE TEST TO PASS.
 - 3.H. PRIOR TO BEING PLACED INTO SERVICE, THE WATER LINE SHALL BE DISINFECTED IN ACCORDANCE WITH BACTERIOLOGICAL TEST (AWWA C651); AFTER FINAL FLUSHING AND BEFORE THE NEW WATER MAIN IS CONNECTED TO THE DISTRIBUTION SYSTEM, TWO CONSECUTIVE SETS OF ACCEPTABLE SAMPLES, TAKEN AT LEAST 24 HOURS APART, SHALL BE CONNECTED FROM THE NEW MAIN. AT LEAST ONE SET OF SAMPLES SHALL BE COLLECTED FROM EVERY 1,200 FEET OF THE NEW WATER MAIN, PLUS ONE SET FROM THE END OF THE LINE AND AT LEAST ON SET FROM EACH BRANCH. SAMPLES SHALL BE TESTED FOR BACTERIOLOGICAL QUALITY IN ACCORDANCE WITH STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, AND SHALL SHOW THE ABSENCE OF COLIFORM ORGANISMS.





1 OAK RIDGE WAY PLAN VIEW
6 SCALE: 1" = 50'

Curve Table: Alignments					
Curve #	Alignment	Radius	Length	Delta Angle	PI Sta.
C1	OAK RIDGE WAY	500.00	158.01	18.106°	12+45.23
C2	OAK RIDGE WAY	1650.00	593.26	20.601°	17+56.26
C3	OAK RIDGE WAY	120.00	114.00	54.429°	23+46.58



2 OAK RIDGE WAY PROFILE
6 SCALE: H: 1" = 50' V: 1" = 5'

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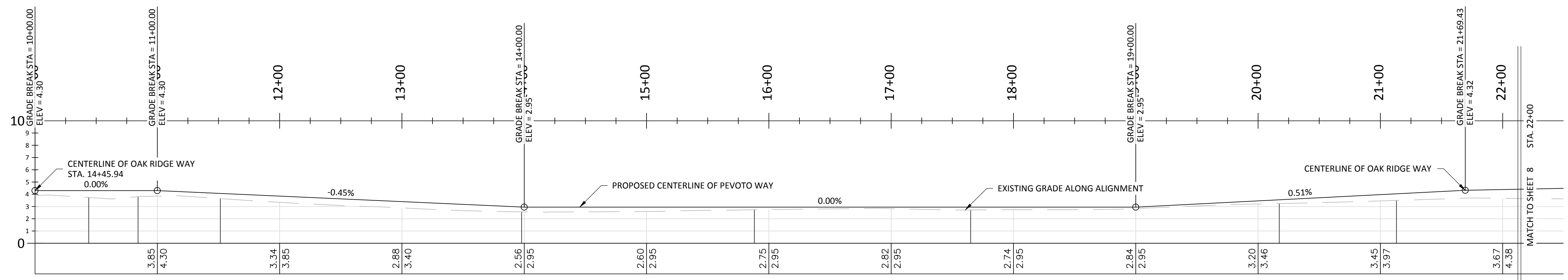
OAK RIDGE WAY
STA. 10+00 - 24+10

Drawn By:	A.C.J.	6
Project:	2015-09	
Date:	8/17/2015	
Scale:	AS NOTED	



1 PEVOTO WAY PLAN VIEW
7 SCALE: 1" = 50'

Curve Table: Alignments					
Curve #	Alignment	Radius	Length	Delta Angle	PI Sta.
C4	PEVOTO WAY	250.00	40.36	9.249°	10+64.16
C5	PEVOTO WAY	150.00	246.38	94.112°	13+12.67
C6	PEVOTO WAY	750.00	190.33	14.540°	14+93.56
C7	PEVOTO WAY	1000.00	176.79	10.129°	16+76.84
C8	PEVOTO WAY	350.00	95.88	15.696°	20+65.58



2 PEVOTO WAY PROFILE
7 SCALE: H: 1" = 50' V: 1" = 5'

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PEVOTO WAY
STA. 10+00 - 22+00

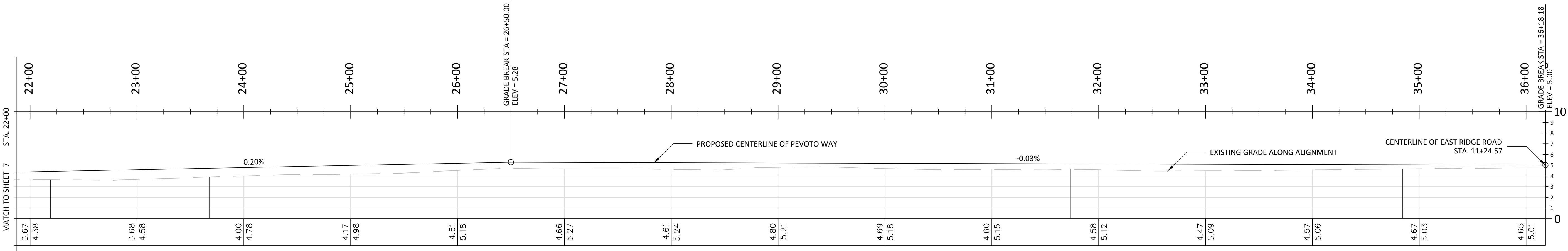
Drawn By:	A.C.J.
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Sheet
7



1 PEVOTO WAY PLAN VIEW
8 SCALE: 1" = 50'

Curve Table: Alignments					
Curve #	Alignment	Radius	Length	Delta Angle	PI Sta.
C9	PEVOTO WAY	375.00	148.51	22.690°	22+94.39
C10	PEVOTO WAY	1500.00	311.08	11.882°	33+29.63



2 PEVOTO WAY PROFILE
8 SCALE: H: 1" = 50' V: 1" = 5'

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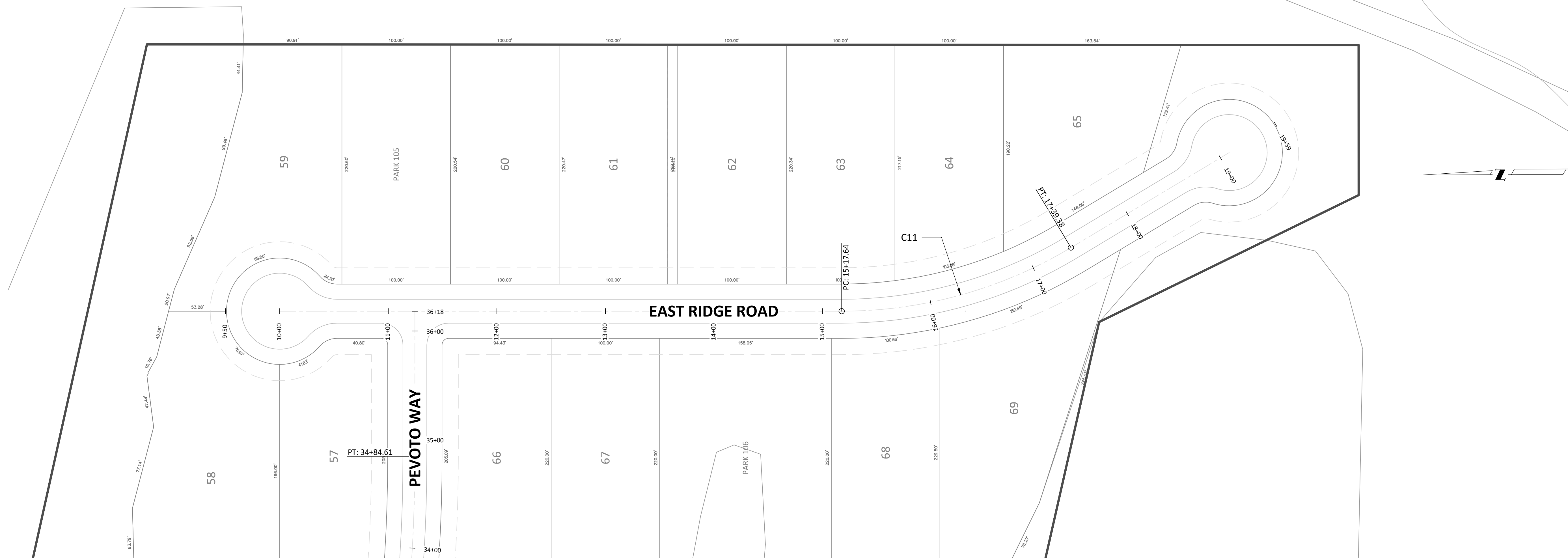
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PEVOTO WAY
STA. 22+00 - 36+18

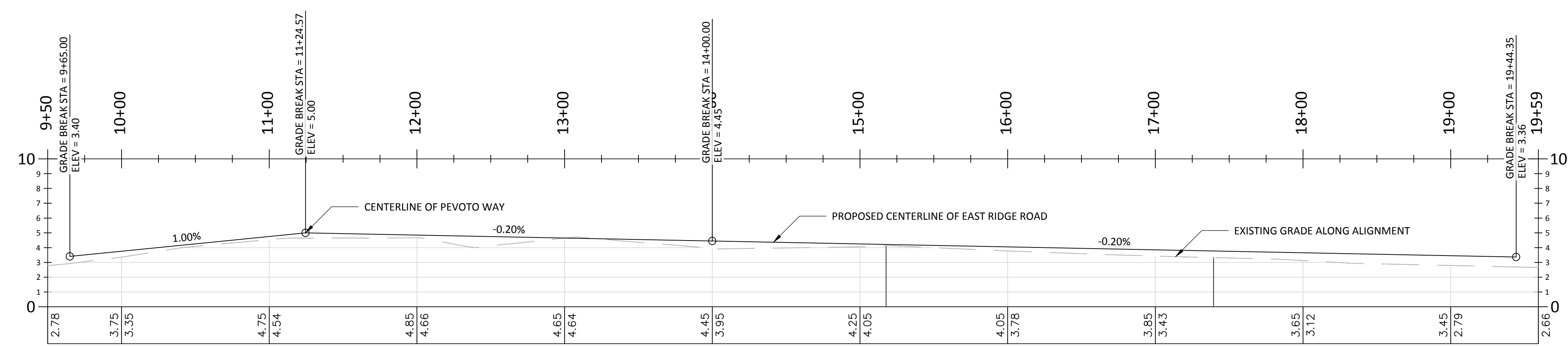
Drawn By:	A.C.J.	8
Project:	2015-09	
Date:	8/17/2015	
Scale:	AS NOTED	



1 EAST RIDGE ROAD PLAN VIEW
9 SCALE: 1" = 50'

Curve Table: Alignments

Curve #	Alignment	Radius	Length	Delta Angle	PI Sta.
C11	EAST RIDGE ROAD	410.00	221.74	30.987°	16+31.29



2 EAST RIDGE ROAD PROFILE
9 SCALE: H: 1" = 50' V: 1" = 5'

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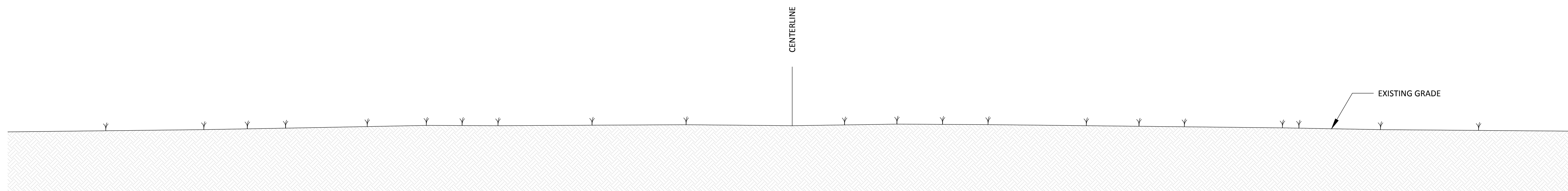
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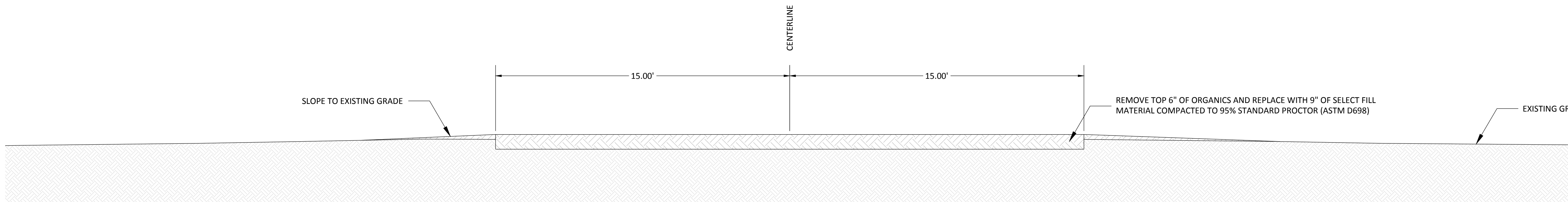
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EAST RIDGE ROAD
STA. 9+65 - 19+44

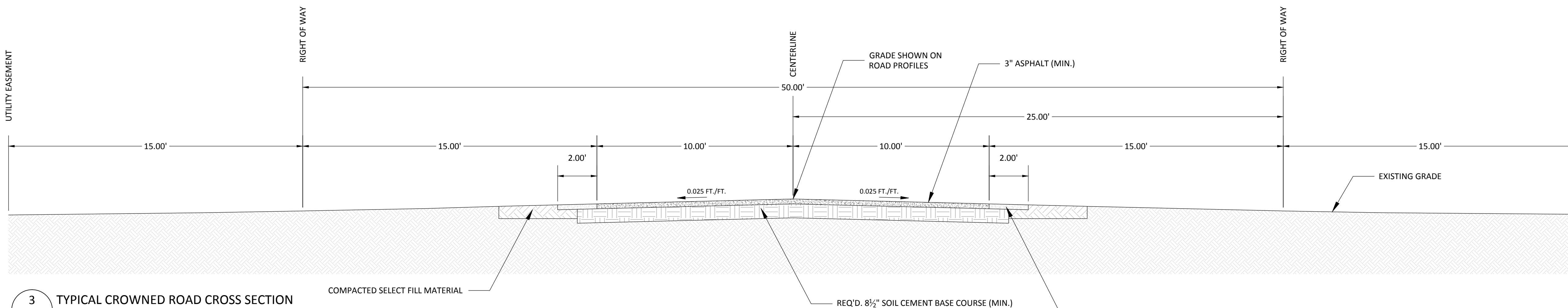
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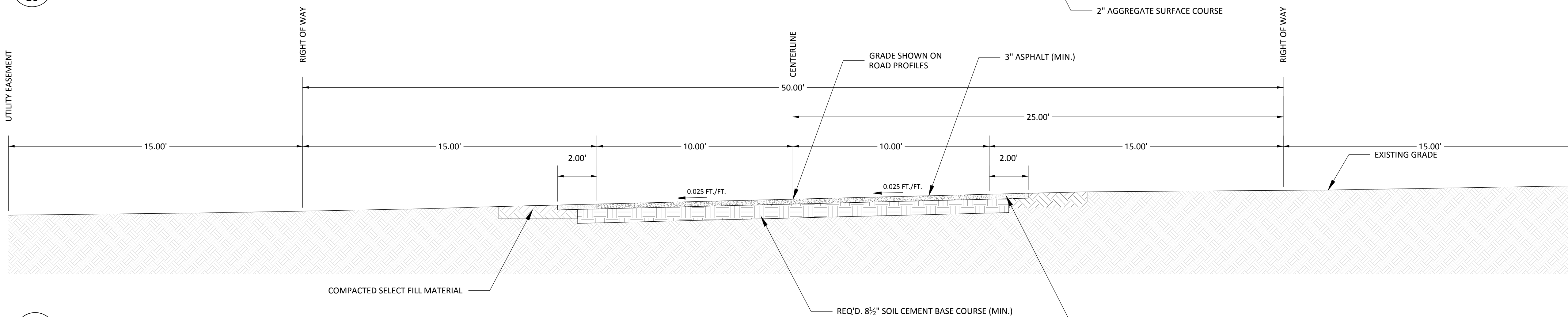
1 TYPICAL EXISTING CENTERLINE OF PROPOSED ROADWAY
10 SCALE: 1" = 3'



2 TYPICAL SELECT FILL PLACEMENT ALONG CENTERLINE OF PROPOSED ROADWAY
10 SCALE: 1" = 3'



3 TYPICAL CROWNED ROAD CROSS SECTION
10 SCALE: 1" = 3'



4 TYPICAL MONOSLOPE ROAD CROSS SECTION
10 SCALE: 1" = 3'

GENERAL NOTES:

1. ALL ROAD CROSS-SECTION DETAILS ARE BASED UPON GUIDANCE PROVIDED BY A GEOTECHNICAL INVESTIGATION REPORT PREPARED BY DAN HOLDER, PE FOR THE OAK RIDGE SUBDIVISION.

General Notes

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No.	Revisions	Date

Firm Name and Address:



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LAKE CHARLES, LA
OFFICE - 337.504.7755
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Project Name and Address:

OAK RIDGE MASTER PLANNED COMMUNITY
PORT CITY CONSTRUCTION
P.O. BOX 6573
LAKE CHARLES, LA 70606

ROAD CROSS SECTION

Drawn By:	A.C.J.	Sheet
Project:	2015-09	10
Date:	8/17/2015	
Scale:	AS NOTED	



1 SIGNS LAYOUT
11 SCALE: 1" = 120'

- NOTES:**
1. ALL SIGNS SHALL MEET MINIMUM REQUIREMENTS FOR MATERIALS IN ACCORDANCE WITH SECTION 1015 TITLED SIGNS AND PAVEMENT MARKINGS OF THE LADOTD STANDARD SPECIFICATIONS LATEST ED.
 2. ALL SIGN SHEETING SHALL BE HIGH INTENSITY PRISMATIC.
 3. STOP AND YIELD SIGNS ARE TO BE 30" IN SIZE. SHEETING SHALL BE HIGH INTENSITY PRISMATIC (HIP) ON .080 ALUMINUM SUBSTRIGHT. ALL SIGNS SHALL BE MOUNTED WITH 2.5"X 5/16TH HOT DIPPED GALVANIZED BOLTS NUT AND WASHER. WASHER MUST BE PLACED UNDER BOLT HEAD SO AS NOT TO DAMAGE SIGN FACE. POST ARE TO BE U-CHANNEL GALVANIZED 11'-2"PER FOOT.
 4. SPEED LIMIT SIGNS ARE TO BE 24"X30" IN SIZE. SHEETING SHALL BE HIP ON .080 ALUMINUM SUBSTRIGHT.
 5. WARNING SIGNS ARE TO BE 30"X30" IN SIZE. SHEETING SHALL BE HIP ON .080 ON ALUMINUM SUBSTRIGHT.
 6. STREETS ARE SIGNED WITH BOTH INTERSECTING STREET NAMES. STREET NAME SIGNS ARE TO BE 9" WITH LENGTH DETERMINED BY THE STREET NAME BUT NOT LESS THAN 24" OR GREATER THAN 42" LETTERING SHALL BE 6" TYPE "C OR B" FOR THE STREET NAME AND 2" TYPE "C OR B" FOR THE BLOCK # AND RD, ST, LN ETC. ALL LETTERS SHOULD BE UPPER CASE IF POSSIBLE. LETTER SIZE AND TYPE MAY BE CHANGED IN CASE OF LONG STREET NAMES. SIGN SHALL HAVE STREET RANGE BLOCK NUMBERS. SIGN SHALL BE GREEN BACKGROUND WITH WHITE LETTERING. STREET NAME SIGNS SHALL BE REVERSE CUT GREEN EC SHEETING OVER WHITE HIP SHEETING ON FLAT BLADE SUBSTRIGHT. BRACKETS ARE 12 INCH VS-12 CAP AND CROSS OR SIMILAR.



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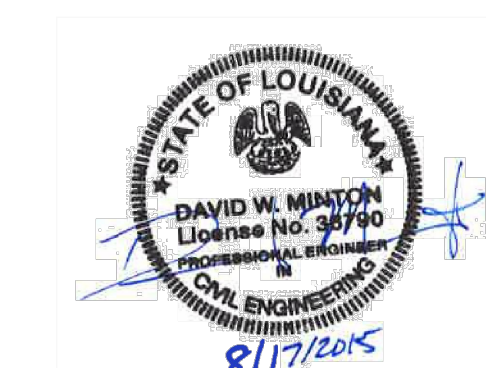
SIGNS LAYOUT

Drawn By:	A.C.J.	11
Project:	2015-09	
Date:	8/17/2015	
Scale:	1" = 120'	

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**LIMITS OF
EXISTING WETLANDS**

Drawn By:	A.C.J.	12
Project:	2015-09	
Date:	8/17/2015	
Scale:	1" = 120'	



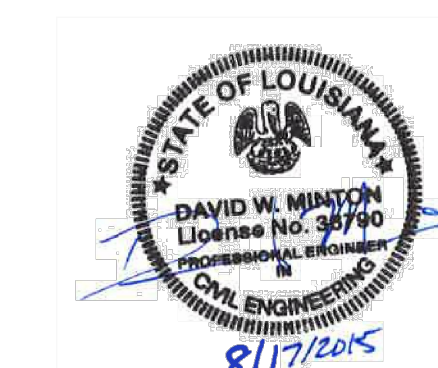
- 1 LIMITS OF EXISTING WETLANDS
- 12 SCALE: 1" = 120'

 = EXISTING WETLANDS

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PUMP STATION

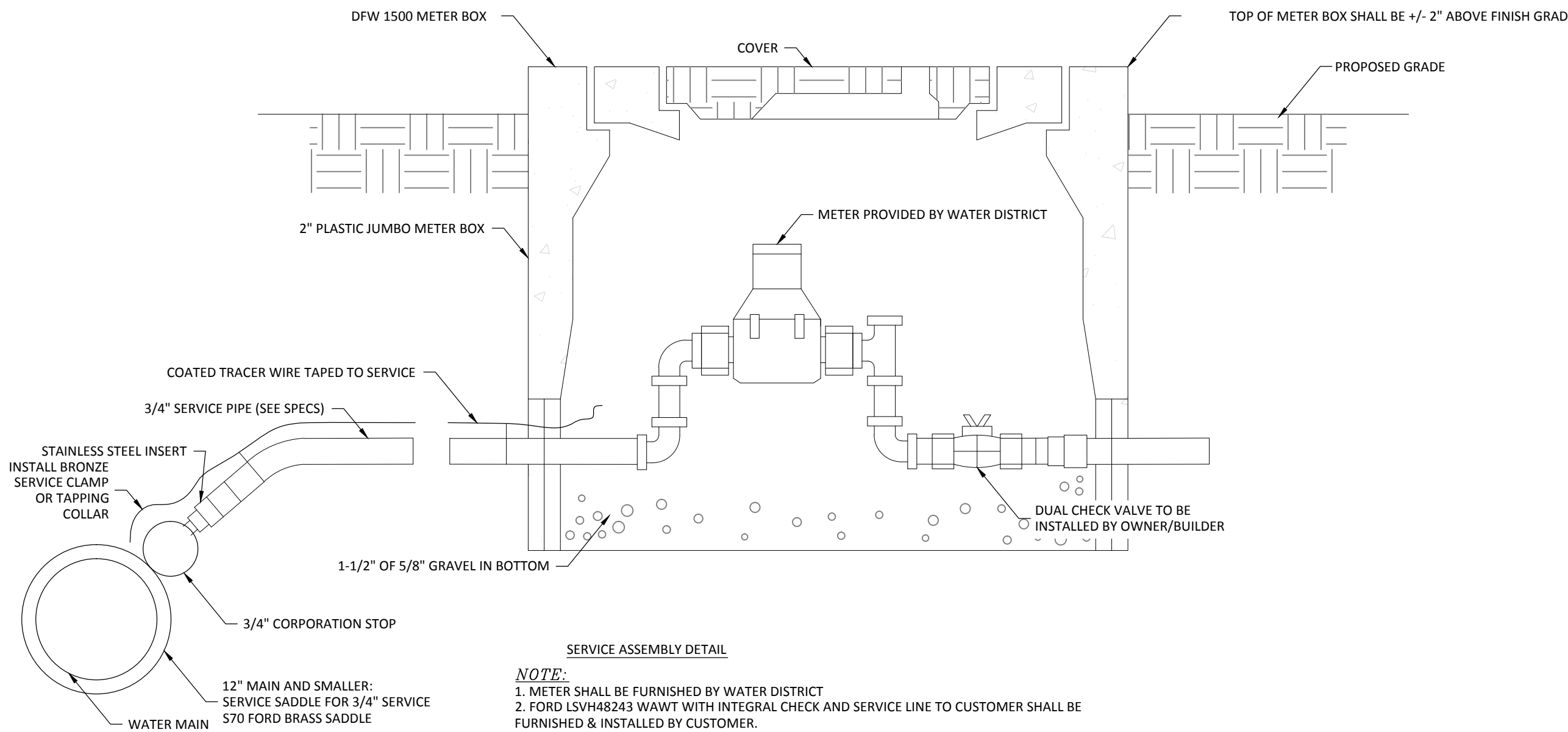
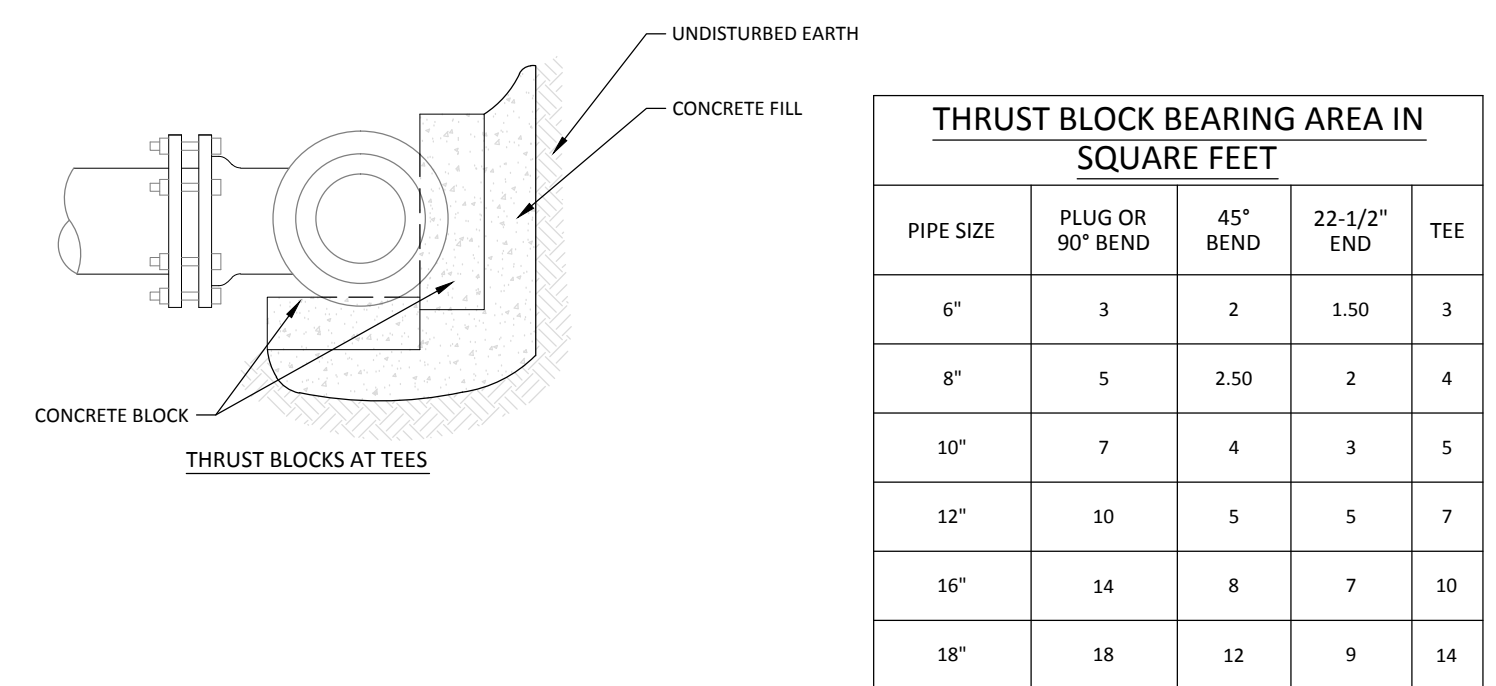
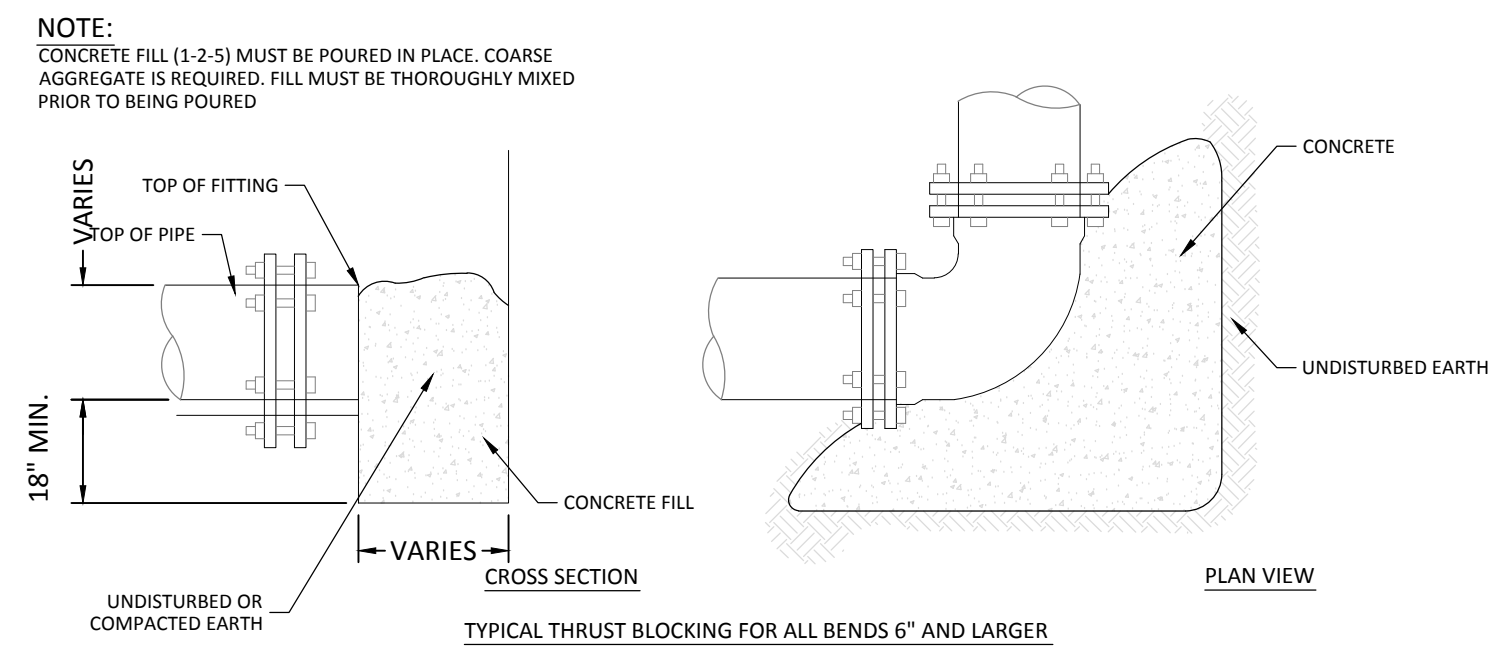
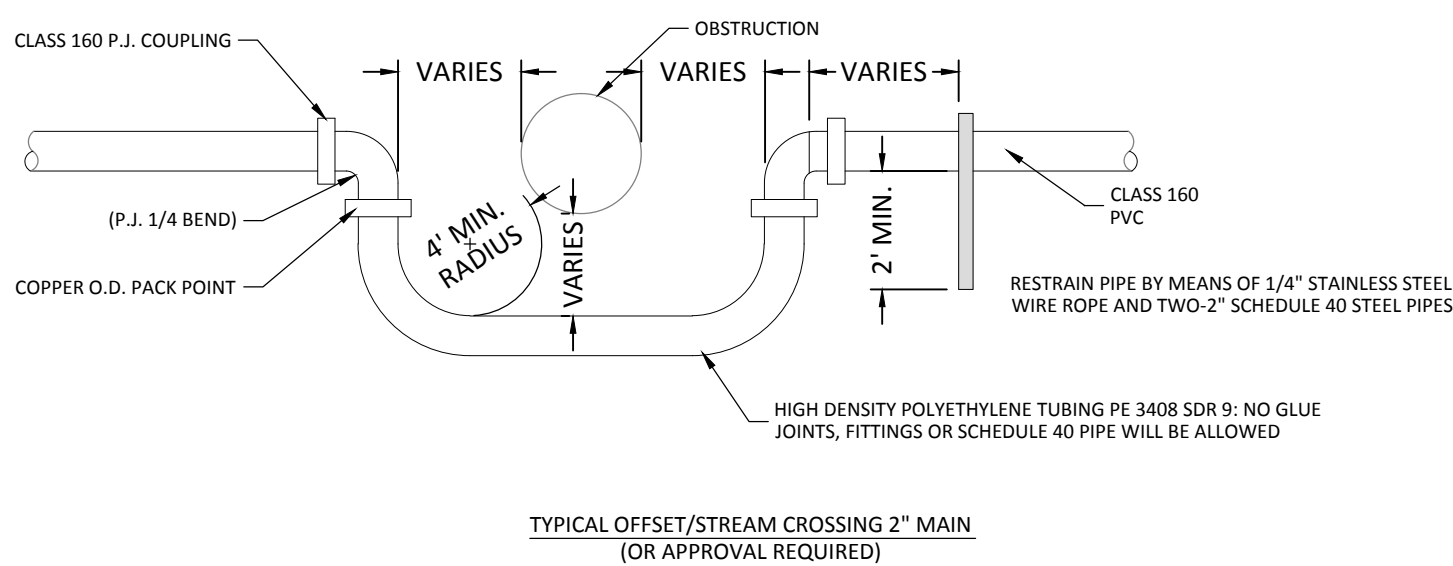
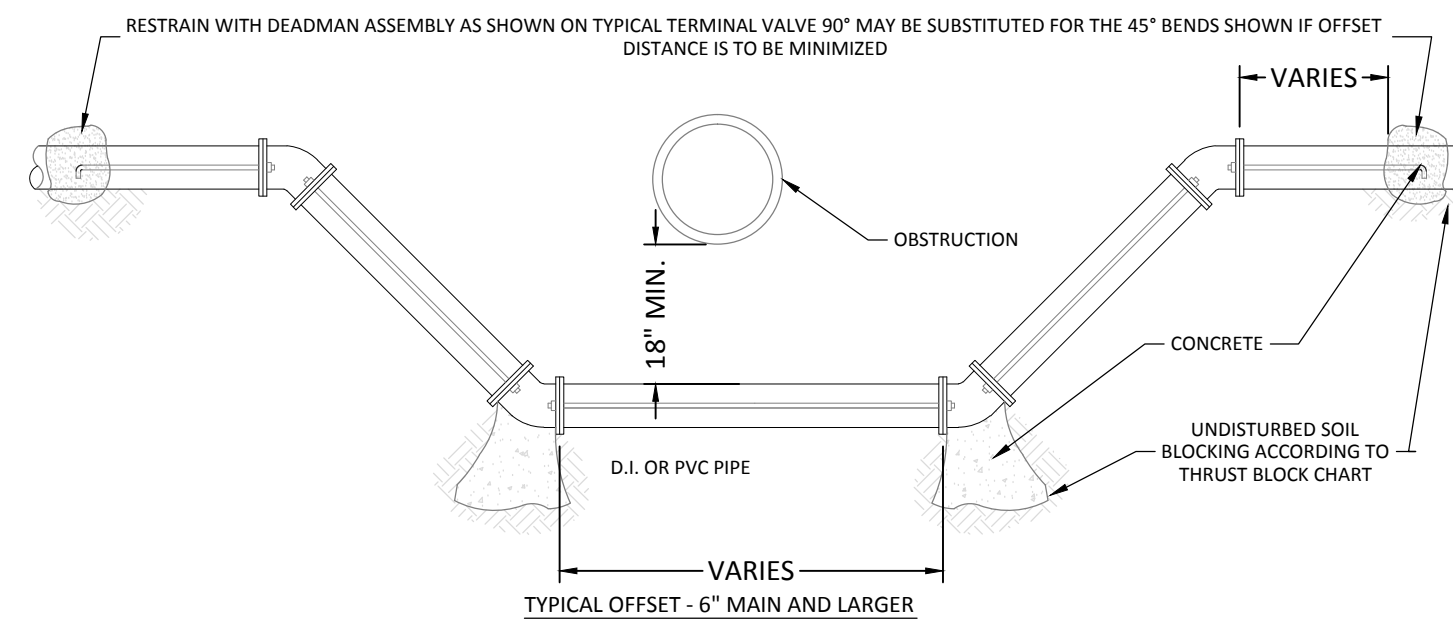
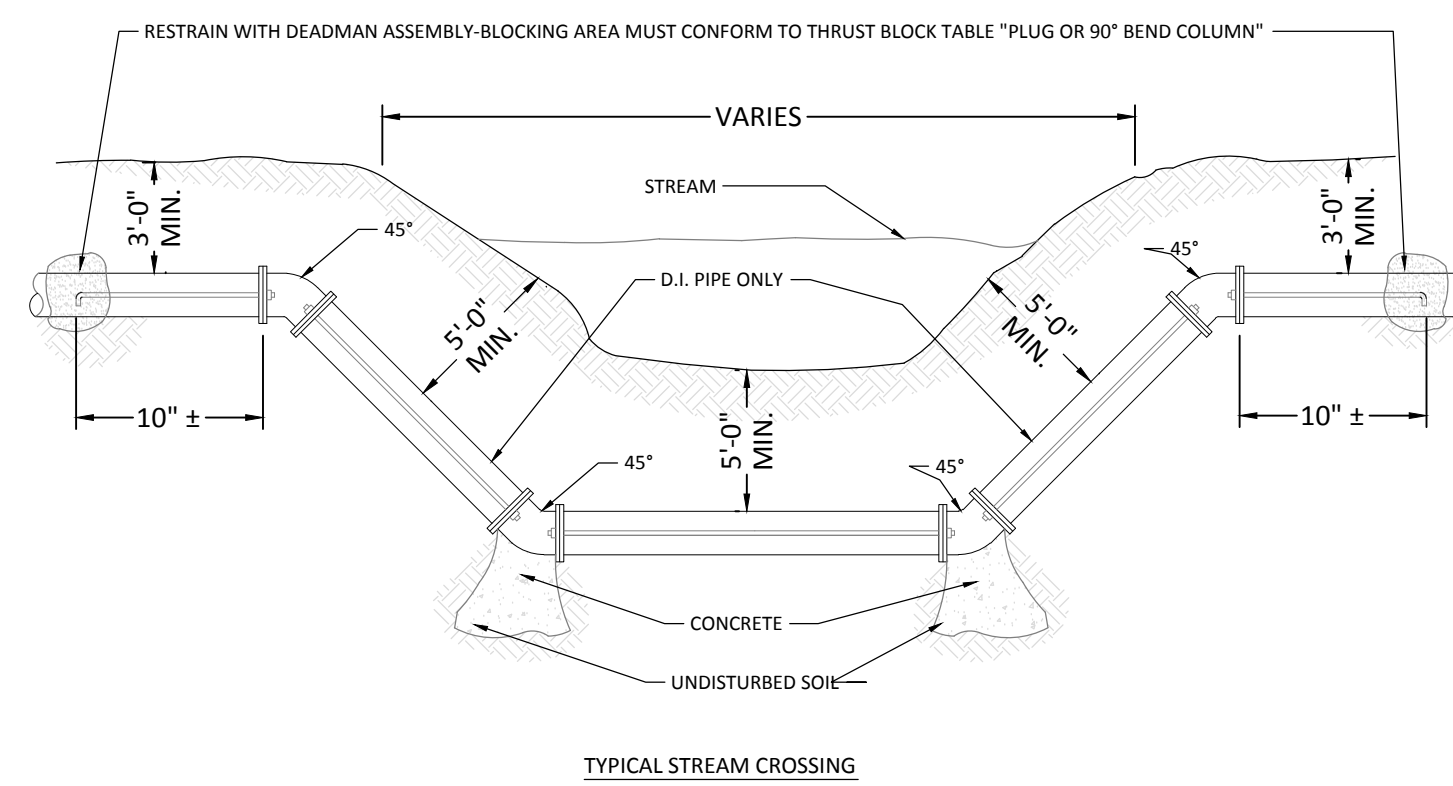
Drawn By:	A.C.J.	13
Project:	2015-09	
Date:	8/17/2015	
Scale:	1" = 120'	



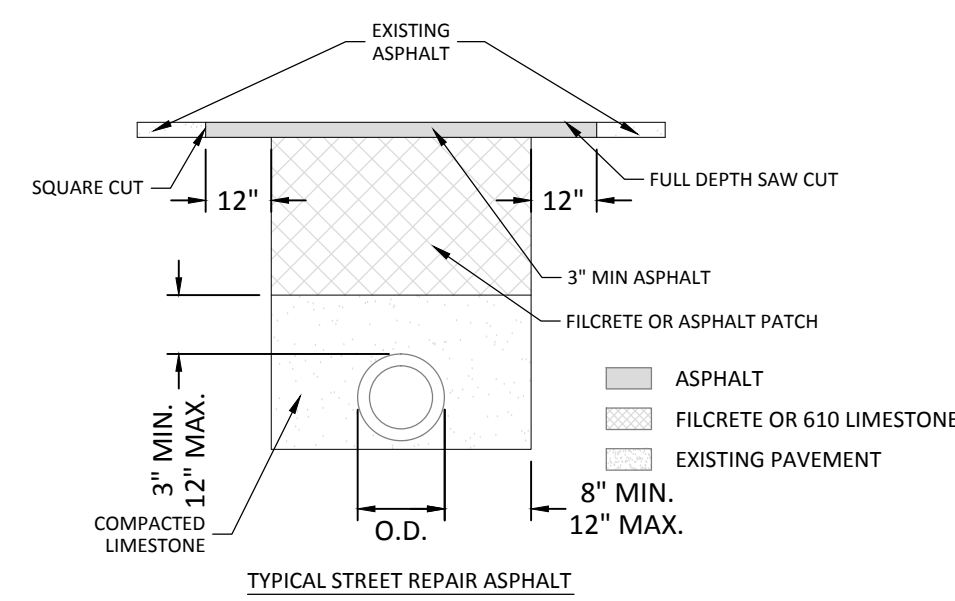
1 PUMP STATION
13 SCALE: 1" = 120'

- PUMP STATION NOTES:**
- PUMP SYSTEM SHALL BE LO-LIFT 8" PUMP ASSEMBLY. PUMP SHALL BE CONTROLLED UTILIZING A TWO (2) FLOAT SYSTEM WITH "ON" FLOAT TO BE SET ONE (1) FOOT ABOVE MARSH ELEVATION AND "OFF" FLOAT TO BE SET AT MARSH ELEVATION. FLOATS TO BE INSTALLED NO LESS THAN THREE (3) FEET FROM THE INLET STRUCTURE. ALL DISCHARGE PIPE TO BE STEEL COATED WITH TWO (2) COATS OF CARBOLINE COAL TAR EPOXY O.A.E. STEEL PIPE MAY TRANSITION TO CLASS 160 PVC ONCE BELOW WALKWAY THROUGH A FLANGED MECHANICAL JOINT UTILIZING NO LESS THAN EIGHT (8) 3/4" DIAMETER STAINLESS STEEL BOLTS, WASHERS, AND LOCK NUTS.
 - ALL DISCHARGE PIPE STRAPS TO BE 2" X 1/4" THK. HDG STEEL SECURED WITH 1/2" X 4" HDG LAG SCREWS. STRAPS TO BE INSTALLED AT EVERY JOIST.
 - TRACER WIRE TO BE INSTALLED FOR ALL DISCHARGE PIPE THAT IS TO BE BURIED BELOW GROUND.
 - TEN (10) TONS OF 55 LB CLASS RIP RAP ON A WOVEN GEOTEXTILE FABRIC SHALL BE PLACED AT THE OUTLET OF THE DISCHARGE PIPE TO MINIMIZE EROSION. DISCHARGE TO EXTEND APPROXIMATELY 600 LF FROM THE PUMP STATION TO THE NORTH THROUGH THE PARK AREAS ULTIMATELY PUMPING INTO THE MARSH AREAS NORTH OF THE DEVELOPMENT.
 - ALL ELECTRICAL WORK TO BE COORDINATED WITH JDEC TO ENSURE COMPLIANCE.
 - SEE SHEET 15 AND ARCHITECTURAL DRAWINGS FOR PUMP STATION DETAILS.

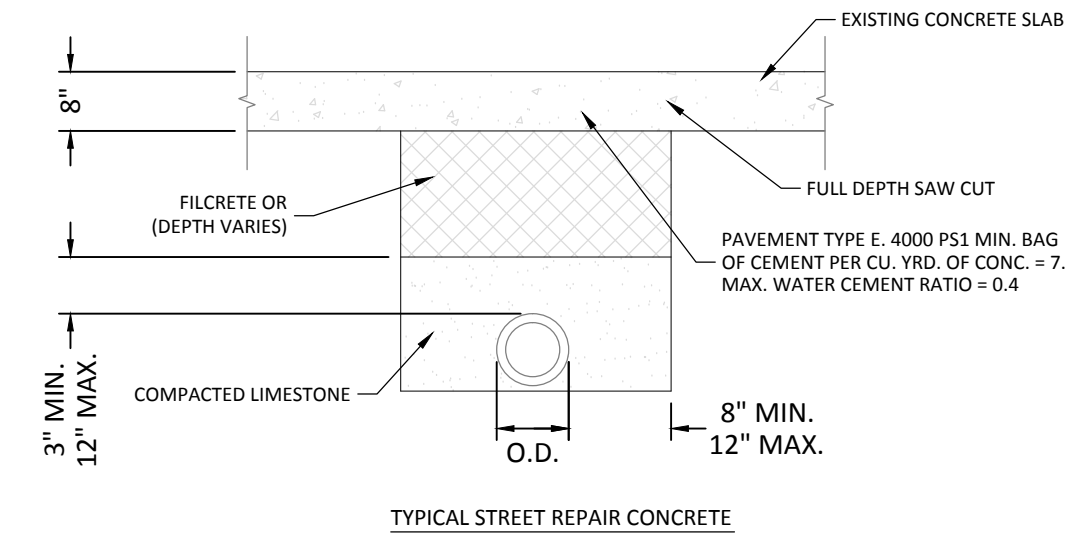
NOTE:
RESTRAIN 6", 8" PIPE BY MEANS OF TWO ZINC COATED ALL THREAD RODS. RESTRAIN 10" AND LARGER PIPE BY MEANS OF FOUR ZINC COATED ALL THREAD RODS.



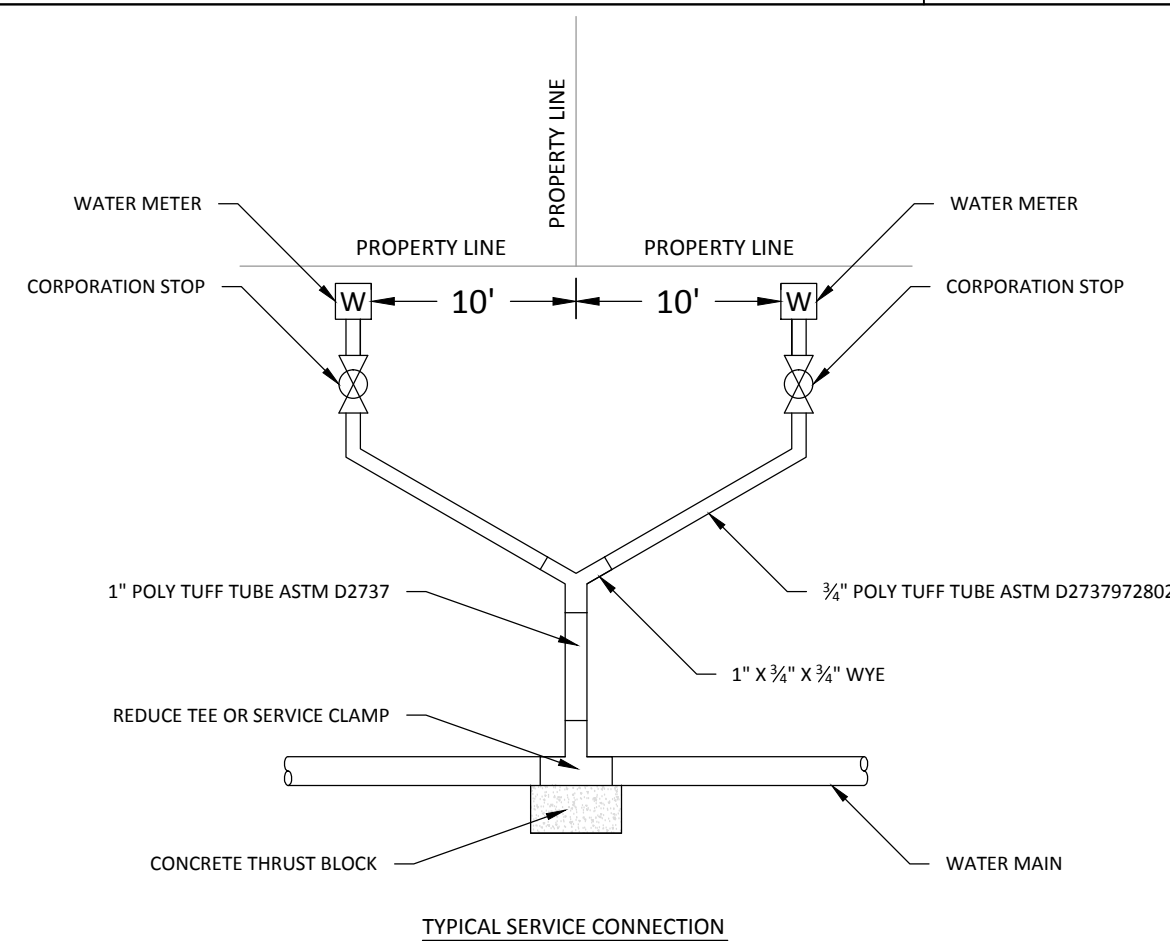
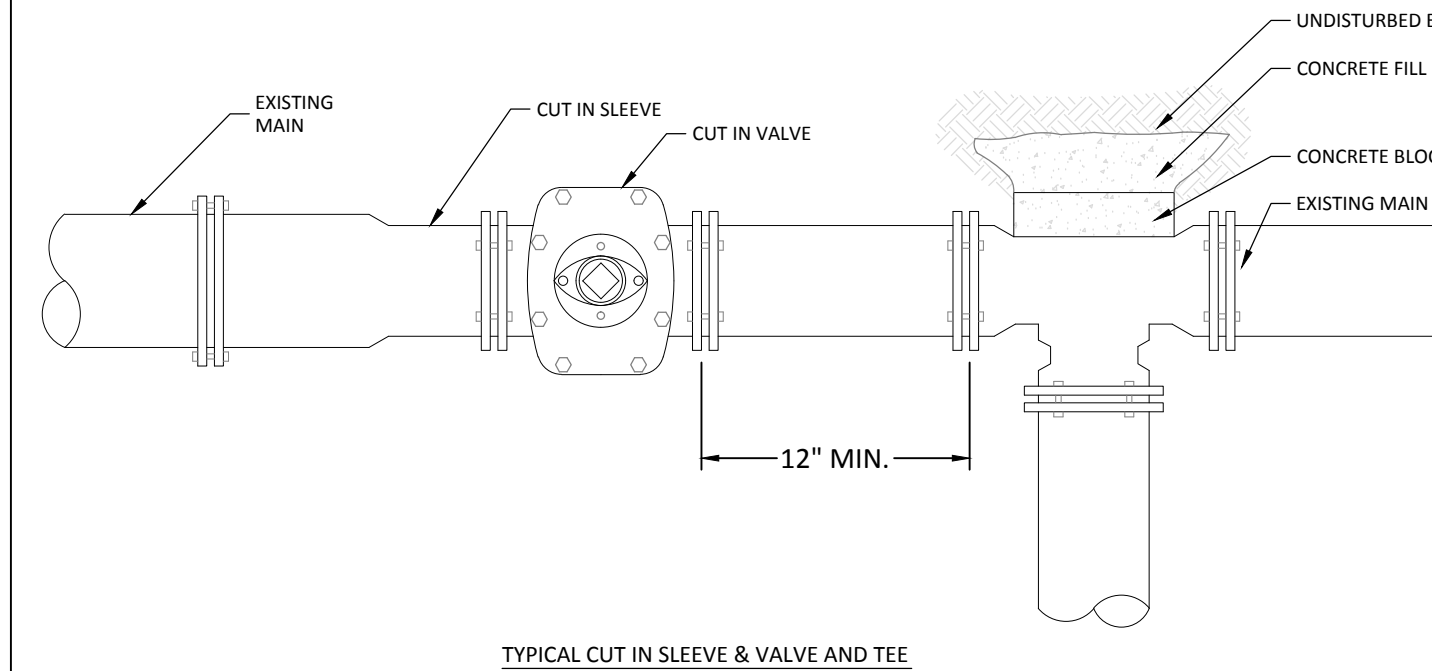
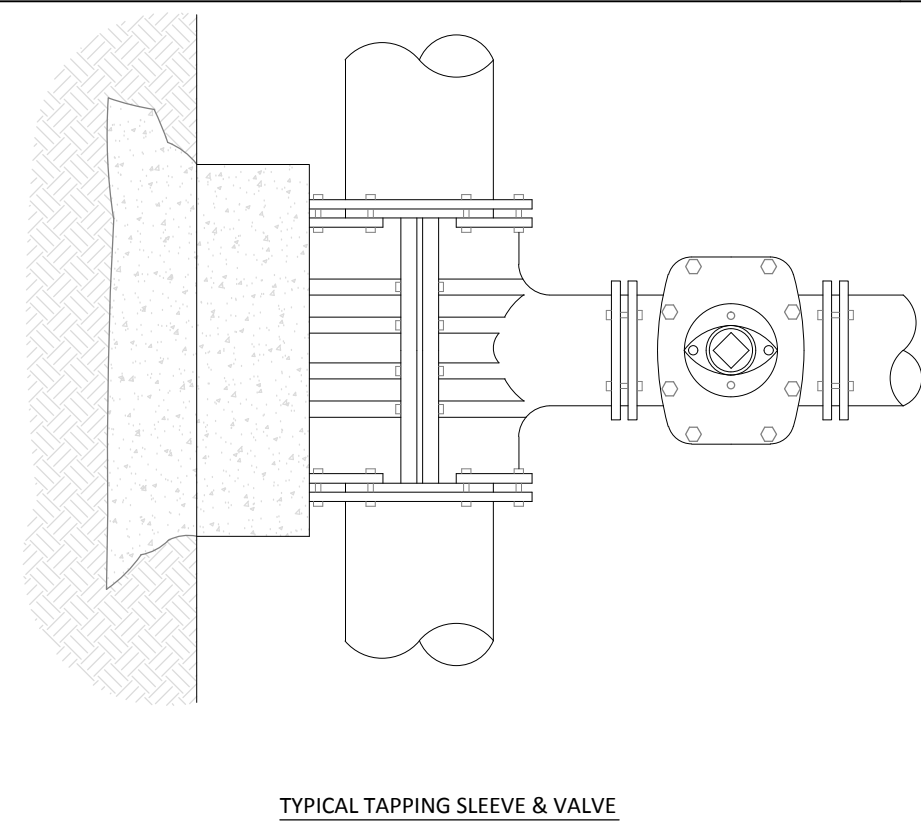
NOTE:
1. METER SHALL BE FURNISHED BY WATER DISTRICT
2. FORD LSVH48243 WAWT WITH INTEGRAL CHECK AND SERVICE LINE TO CUSTOMER SHALL BE FURNISHED & INSTALLED BY CUSTOMER.



NOTES:
1. HOT MIX ASPHALT TO BE COMPACTED TO 100% DENSITY. MINIMUM THREE INCHES (3") THICK.
2. FILCRETE MIX AND INSTALLATION SHALL MEET LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGE 2006 EDITION.
3. 610 LIMESTONE MUST BE COMPACTED IN 12" LIFTS TO 95% DENSITY FOR EACH LIFT. A VIBRATORY COMPACTOR WILL BE REQUIRED.
4. TACK COAT TO BE APPLIED PRIOR TO ASPHALT LAYING.
5. ALL PAVEMENT STRIPING AND/OR RAISED PAVEMENT REFLECTORS DESTROYED SHALL BE REPLACED. MATERIAL AND INSTALLATIONS SHALL MEET LA-DOTD STANDARD SPECIFICATIONS FOR THESE ITEMS.



NOTES:
1. CONCRETE SHALL BE TYPE I PORTLAND CEMENT CONCRETE, ASTM DESIGNATION C-150. WATER WILL BE TESTED AS OUTLINED IN STANDARD METHOD T-26 AASHTO. AGGREGATES SHALL MEET LA DOTD SPECIFICATIONS. MIX SHALL BE: 1 PART CEMENT, 2 PARTS FA, 3 PARTS CA, BY VOLUME. MINIMUM CEMENT CONTENT PER CUBIC YARD OF CONCRETE SHALL BE NOT LESS THAN 5.8 SACKS PER CUBIC YARD. MAXIMUM WATER CONTENT SHALL BE NOT MORE THAN 6 GALLONS PER SACK.
2. ALL ENDS OF PAVEMENT SLAB NOT SUPPORTED BY DOWEL BARS EMBEDDED IN ADJOINING CONCRETE OR DIRECTLY SUPPORTED BY A BEARING ON ADJOINING STRUCTURES SHALL BE THICKENED AS REQUIRED ON PLANS.
3. CONCRETE TEST CYLINDER SHALL BE MADE BY THE CONTRACTOR OR TESTING LABORATORY AT THE CONTRACTOR'S EXPENSE. TWO SETS OF 4 CYLINDERS FOR EACH POUR OVER 25 CUBIC YARDS SHALL BE SUPPLIED. ONE SET OF 4 SHALL BE SUPPLIED FOR POURS LESS THAN 25 CUBIC YARDS. CYLINDERS SHALL BE TESTED FOR COMPRESSIVE STRENGTH AT 7 DAYS AND AT 28 DAYS. THE LABORATORY SHALL FURNISH PROMPTLY TO THE CONTRACTOR AND THE ENGINEER WRITTEN REPORTS COVERING THE RESULTS OF ALL TESTS AND INSPECTIONS MADE.
4. AN APPROVED MECHANICAL VIBRATOR WILL BE REQUIRED.
5. ALL PAVEMENT STRIPING AND/OR RAISED PAVEMENT REFLECTIONS DESTROYED SHALL BE REPLACED. MATERIAL AND INSTALLATION SHALL MEET LA DOTD SPECIFICATIONS.



REQUIREMENTS:

- ALL FIRE HYDRANTS AND VALVE BOXES SHALL BE INSTALLED TO MATCH THE FINISHED ELEVATION GRADE.
- ALL FITTINGS, VALVE AND FIRE HYDRANTS MUST BE SUPPORTED THROUGHOUT BY CONCRETE BLOCKING.
- BOLTS MUST BE OPERABLE (FREE OF CONCRETE)
- ALL FITTINGS, VALVES AND FIRE HYDRANTS, PIPE AND SERVICE TUBING MUST CONFORM TO THE CURRENT LOCAL, STATE, AND GOVERNMENT SPECIFICATIONS.
- RESTRAIN FITTINGS TO CASINGS.
- ALL INSTALLATIONS STANDARDS/METHODS NOT SPECIFICALLY STATED IN THE CURRENT LOCAL, STATE, OR GOVERNMENT SPECIFICATIONS MUST ADHERE TO THE STANDARD OF JURISDICTION (AWWA, NFPA, MANUFACTURER'S STANDARDS).
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALL FITTINGS REQUIRED FOR PIPING, INLETS, ETC. TO COMPLETE PIPING SYSTEM INCLUDING VALVES, FLANGES, UNIONS, ETC.

GENERAL NOTES:

NO VALVE SHALL BE OPERATED TO ALLOW WATER TO BE TRANSMITTED FROM A LOCAL, STATE, OR GOVERNMENT SOURCE WITHOUT THE DIRECT SUPERVISION OF THE GOVERNING AUTHORITY. VIOLATORS WILL BE PROSECUTED.
DEAD END MAINS MUST BE RESTRAINED BY MEANS A CONCRETE DEADMAN SYSTEM.

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WATER DISTRIBUTION DETAILS

Drawn By:	A.C.J.	Sheet	14
Project:	2015-09		
Date:	8/17/2015		
Scale:	N.T.S.		

