



TRANSPORTATION CABINET

Frankfort, Kentucky 40622
www.transportation.ky.gov/

Steven L. Beshear
Governor

Michael W. Hancock, P.E.
Secretary

November 14, 2012

CALL NO. 119
CONTRACT ID NO. 121057
ADDENDUM # 2

Subject: Rowan County, KYFH 1251 (004)
Letting November 16, 2012

- (1) Revised - Plan Sheets - R1" (U1 through U8
- (2) Deleted - Plan Sheets - T1 & S1
- (3) Added - Special Note - Page 19(a) of 95
- (4) Revised - Bid Items - Pages 94-95(b) of 95

Proposal revisions are available at <http://transportation.ky.gov/Construction-Procurement/>.

Plan revisions are available at <http://www.lynnimaging.com/kytransportation/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

A handwritten signature in blue ink that reads "Ryan Griffith".

Ryan Griffith
Director
Division of Construction Procurement

RG:ks
Enclosures



An Equal Opportunity Employer M/F/D

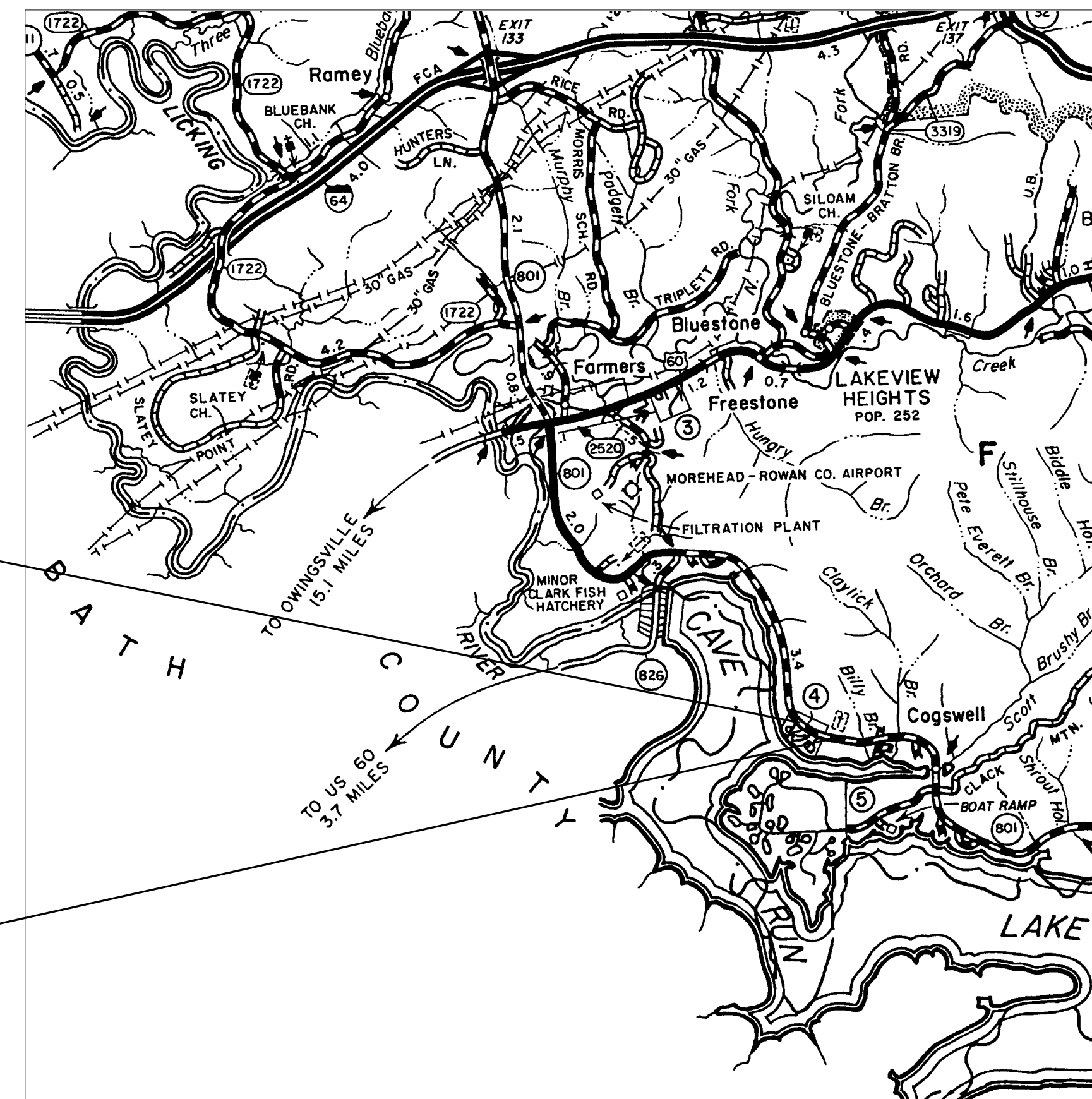
COUNTY OF	ITEM NO.	SHEET NO.
ROWAN	9-187.10	RI

Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS

PLANS OF PROPOSED PROJECT ROWAN COUNTY - KY 801 SCOTT CREEK MARINA KYFH 1251 (004) GRADE, DRAIN AND SURFACING PLANS



THE CONTROL OF ACCESS ON THIS PROJECT SHALL BE BY PERMIT



SCALE IN MILES
LAYOUT MAP

**Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF
ROWAN**

ITEM NO. 9-187.10
PROJECT KYFH 1251 (004)
NUMBER: FD52 103 0801 007-008
LETTING DATE: _____

RECOMMENDED BY: TRAVIS ROGERS, PE DATE: 10/19/2012
PROJECT MANAGER

PLAN APPROVED BY: DATE: 10/24/2012
STATE HIGHWAY ENGINEER

LENGTH 1.700 LIN. FT. 0.321 MILES	LENGTH _____ LIN. FT. _____ MILES	LENGTH _____ LIN. FT. _____ MILES	LENGTH _____ LIN. FT. _____ MILES
ADDED _____ FOR EQUALITIES _____ LIN. FT.	ADDED _____ FOR EQUALITIES _____ LIN. FT.	ADDED _____ FOR EQUALITIES _____ LIN. FT.	ADDED _____ FOR EQUALITIES _____ LIN. FT.
DEDUCTED _____ NOT INCLUDED	DEDUCTED _____ NOT INCLUDED	DEDUCTED _____ NOT INCLUDED	DEDUCTED _____ NOT INCLUDED
RAILROAD CROSSINGS NO. _____ LIN. FT.	RAILROAD CROSSINGS NO. _____ LIN. FT.	RAILROAD CROSSINGS NO. _____ LIN. FT.	RAILROAD CROSSINGS NO. _____ LIN. FT.
BRIDGES _____ LIN. FT.	BRIDGES _____ LIN. FT.	BRIDGES _____ LIN. FT.	BRIDGES _____ LIN. FT.

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
R1	LAYOUT SHEET
R2 - R2b	TYPICAL SECTIONS-SUMMARY OF QUANTITIES
R3 - R6	PLAN AND PROFILE SHEETS
R7	RIGHT OF WAY SUMMARY SHEETS
R7a - R7b	DETAIL SHEETS
R8-R11	TRAFFIC CONTROL SHEETS
R12-R13	EROSION CONTROL SHEETS
R14	COORDINATE CONTROL SHEETS
R15	PIPE DRAINAGE SHEETS
U1-U8	UTILITY RELOCATION PLANS
X1 - X17	CROSS SECTION SHEETS
X18 - X25	DIVERSION CROSS SECTION SHEETS

SHEETS NOT INCLUDED IN TOTAL SHEETS
R2a, R2b, R7a, R7b

STANDARD DRAWINGS

NUMBER	DESCRIPTION
RBI-001-10	RDX-060-03
RBI-002-06	RDX-210-02
RBR-001-11	RDX-220-04
RBR-005-10	RDX-225
RBR-010-05	RDX-230
RBR-015-04	RGS-001-06
RBR-016-04	RGX-001-05
RDD-040-04	RGX-010-03
RDI-001-09	RPM-110-06
RDI-020-08	TTC-150-02
RDI-021	TTC-155-01
RDI-025-04	TTD-110-01
RDI-026	RDH-020-03
RDI-035-01	RDX-001-05
	RDX-002-03

TOTAL 29

DESIGN CRITERIA

CLASS OF HIGHWAY RURAL MAJOR COLLECTOR
TYPE OF TERRAIN ROLLING
DESIGN SPEED 45 MPH
REQUIRED NPSD 360'
REQUIRED PSD _____
LEVEL OF SERVICE _____
ADT PRESENT (2005) 2,124
ADT FUTURE () _____
DHV _____
D % _____
T % _____

GEOGRAPHIC COORDINATES

LATITUDE 38 DEGREES 06 MINUTES 10.39 SECONDS NORTH
LONGITUDE 83 DEGREES 30 MINUTES 34.80 SECONDS WEST

DESIGNED

% RESTRICTED SD _____
LEVEL OF SERVICE _____
MAX. DISTANCE W/O PASSING _____

NO. SETS	DATE

REVIEWED BY _____
DIVISION OF CONSTRUCTION

USER: \$\$\$USER\$\$\$
DATE: \$\$\$DATE\$\$\$
FILE NAME: \$\$\$designsfiles\$specifications\$\$\$
E-SHEET NAME: R00100LS

NO. SETS	DATE
RECORD PLANS	CONSTRUCTION PLANS

REVIEWED BY _____
DIVISION OF CONSTRUCTION

COUNTY OF	ITEM NO.	SHEET NO.
ROWAN	9-187.10	RI

 REVISED 11-13-2012



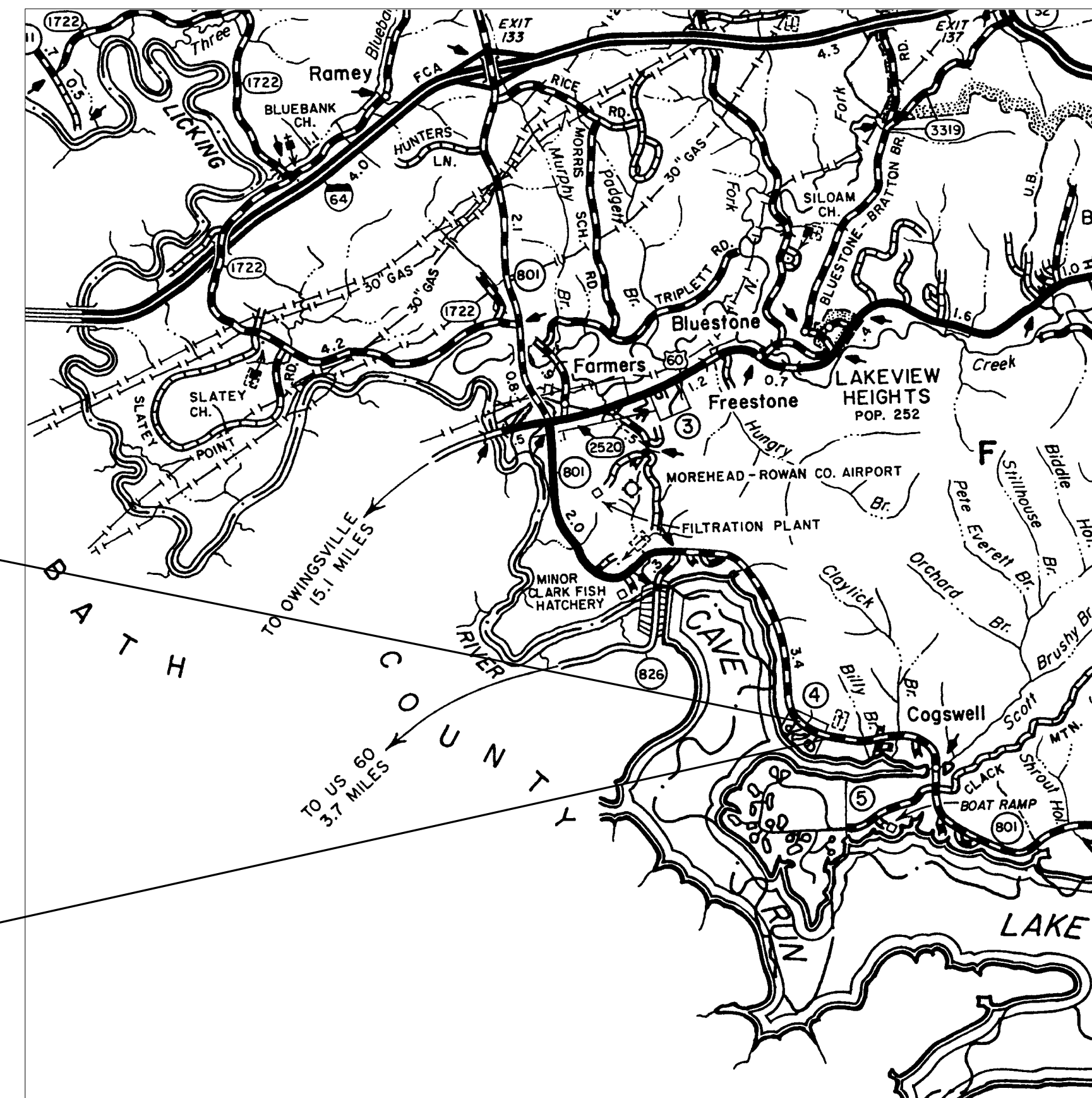
Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS

PLANS OF PROPOSED PROJECT ROWAN COUNTY - KY 801 SCOTT CREEK MARINA KYFH 1251 (004) GRADE, DRAIN AND SURFACING PLANS

SHEET NO.	DESCRIPTION
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STANDARD DRAWINGS		
NUMBER		
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RBR-001-11	RDX-220-04	
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RBR-016-04	RGX-001-05	
RDD-040-04	RGX-010-03	
RDI-001-09	RPM-110-06	
RDI-020-08	TTC-150-02	
RDI-021	TTC-155-01	
RDI-025-04	TTD-110-01	
RDI-026	RDH-020-03	
RDI-035-01	RDX-001-05	
	RDX-002-03	
		TOTAL 29



Sta. 17+50 Begin Construction

Sta. 34+50 End Construction

THE CONTROL OF ACCESS ON THIS PROJECT SHALL BE BY PERMIT

DESIGN CRITERIA	
CLASS OF HIGHWAY	RURAL MAJOR COLLECTOR
TYPE OF TERRAIN	ROLLING
DESIGN SPEED	45 MPH
REQUIRED NPSD	360'
REQUIRED PSD	
LEVEL OF SERVICE	
ADT PRESENT (2005)	2,124
ADT FUTURE ()	
DHV	
D %	
T %	
GEOGRAPHIC COORDINATES	
LATITUDE	38 DEGREES 06 MINUTES 10.39 SECONDS NORTH
LONGITUDE	83 DEGREES 30 MINUTES 34.80 SECONDS WEST
DESIGNED	
% RESTRICTED SD	
LEVEL OF SERVICE	
MAX. DISTANCE W/O PASSING	


LENGTH 1700 LIN. FT. 0.321 MILES	LENGTH _____ LIN. FT. _____ MILES	LENGTH _____ LIN. FT. _____ MILES	LENGTH _____ LIN. FT. _____ MILES
ADDED _____ FOR EQUALITIES _____ LIN. FT.	ADDED _____ FOR EQUALITIES _____ LIN. FT.	ADDED _____ FOR EQUALITIES _____ LIN. FT.	ADDED _____ FOR EQUALITIES _____ LIN. FT.
DEDUCTED _____ NOT INCLUDED	DEDUCTED _____ NOT INCLUDED	DEDUCTED _____ NOT INCLUDED	DEDUCTED _____ NOT INCLUDED
RAILROAD CROSSINGS NO. _____ LIN. FT.	RAILROAD CROSSINGS NO. _____ LIN. FT.	RAILROAD CROSSINGS NO. _____ LIN. FT.	RAILROAD CROSSINGS NO. _____ LIN. FT.
BRIDGES _____ LIN. FT.	BRIDGES _____ LIN. FT.	BRIDGES _____ LIN. FT.	BRIDGES _____ LIN. FT.

0 1 2 3
SCALE IN MILES
LAYOUT MAP

**Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF
ROWAN**

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NUMBER: FD52 103 0801 007-008
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RECOMMENDED BY: TRAVIS ROGERS, PE DATE: 10/19/2012
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USER: \$\$\$USER\$\$\$
DATE: \$\$\$DATE\$\$\$
FILE NAME: \$\$\$designsfiles\$specifications\$\$\$
E-SHEET NAME: R00100LS

**CONSTRUCTION PLANS FOR
WATER LINE RELOCATIONS
FOR
ROWAN COUNTY-KY801 SCOTT CREEK MARINA
KYPFH125-1 (1)**

MOREHEAD UTILITY PLANT BOARD

KENTUCKY TRANSPORTATION CABINET PROJECT

FD52 103 0801 007-008

ITEM NO. 9-187.10

U1

KY 519 UTILITY RELOCATION
 MOREHEAD UTILITY PLANT BOARD
 MOREHEAD KY
 GASTINEAU AND
 ASSOCIATES, Inc.
 104 Berkeley Estates, Nicholasville, KY

TITLE SHEET

NO.	REVISION	CHK'D	APPR.	DATE

ACAD FILE:
 TITLE SHEET
 DRAWN BY:
 KSG
 DATE:
 OCTOBER 2012
 SCALE:
 AS NOTED
 SHEET NO.
 1 OF 8

**CONSTRUCTION PLANS FOR
WATER LINE RELOCATIONS
FOR
ROWAN COUNTY-KY801 SCOTT CREEK MARINA
KYPFH125-1 (1)**

MOREHEAD UTILITY PLANT BOARD

KENTUCKY TRANSPORTATION CABINET PROJECT

FD52 103 0801 007-008

ITEM NO. 9-187.10

KY 519 UTILITY RELOCATION
MOREHEAD UTILITY PLANT BOARD
MOREHEAD KY
GASTINEAU AND ASSOCIATES, Inc.
104 Berkeley Estates, Nicholasville, KY

TITLE SHEET

NO.	REVISION	CHK'D	APPR.	DATE

ACAD FILE:
TITLE SHEET

DRAWN BY:
KSG

DATE:
OCTOBER 2012

SCALE:
AS NOTED

SHEET NO.
1 OF 8

GENERAL NOTES

MOREHEAD UTILITY PLANT BOARD

ROWAN COUNTY-KY801 SCOTT CREEK MARINA

U2

All utilities shown on these plans as well as any other above ground or under ground items or conditions are approximate or estimated from information provided by the OWNER or OTHERS. Individual service lines are not shown. Prior to any excavation or other construction, it shall be the sole responsibility of the CONTRACTOR to contact the necessary utility or appropriate agency and obtain the exact location of their facilities and to determine any other above or under ground conditions that might affect the PROJECT whether shown on the plans or not. The CONTRACTOR shall familiarize himself with all utility requirements of the plans and specifications.

All materials for gas, water, and sewer must be compatible with those in current use by the Morehead Utility Plant Board. The CONTRACTOR shall secure approval of material shop drawings from MUPB's engineer prior to ordering or installing materials.

All fittings shall be D.I. restrained joint. Where water line fittings are indicated on the plans, the CONTRACTOR must install them unless approved otherwise by the engineer. Where changes in direction are indicated but no fittings are listed, the CONTRACTOR must use fittings when the changes cannot be made within the joint deflection limits as specified by the pipe manufacturer.

Crushed stone bedding, backfill and roadway repairs is incidental to the pipe construction and the cost shall be included in the price bid for pipeline construction.

Payment at the unit price bid for tie-ins to existing lines shall be full compensation for all the costs of materials, labor, equipment, overhead and profit.

A No. 12 AWG insulated copper locator wire shall be placed in the trench six inches above all plastic water lines. The insulation shall be blue. The wire shall be looped into all valve boxes with enough slack to allow easy access to the loops.

The CONTRACTOR shall use a trench box during all excavations where the trench depth exceeds that permitted by OSHA regulations or where the ditch walls are unstable and the trench sides cannot be flattened due to right of way or structure limitations.

INDEX OF SHEETS

DESCRIPTION	SHEET No.
TITLE SHEET _____	1
INDEX OF SHEETS AND GENERAL NOTES _____	2
QUANTITY SUMMARY _____	3
PLAN SHEETS _____	4-5
PIPELINE PROFILE _____	6
CROSS SECTIONS AT PIPELINE CROSSINGS _____	7
MISCELLANEOUS DETAILS _____	8

SCOTT CREEK MARINA
 KY 801 TURNING LANES
 MOREHEAD UTILITY PLANT BOARD
 GASTINEAU AND
 ASSOCIATES, Inc.
 104 Berkeley Estates, Nicholasville, KY

GENERAL NOTES	NO.	REVISION	CHK'D	APPR.	DATE

ACAD FILE:
NOTES

DRAWN BY:
KSG

DATE:
OCTOBER 2012

SCALE:
AS NOTED

SHEET NO.
2 OF **8**

GENERAL NOTES

MOREHEAD UTILITY PLANT BOARD

ROWAN COUNTY-KY801 SCOTT CREEK MARINA

All utilities shown on these plans as well as any other above ground or under ground items or conditions are approximate or estimated from information provided by the OWNER or OTHERS. Individual service lines are not shown. Prior to any excavation or other construction, it shall be the sole responsibility of the CONTRACTOR to contact the necessary utility or appropriate agency and obtain the exact location of their facilities and to determine any other above or under ground conditions that might affect the PROJECT whether shown on the plans or not. The CONTRACTOR shall familiarize himself with all utility requirements of the plans and specifications.

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SCOTT CREEK MARINA
 KY 801 TURNING LANES
 MOREHEAD UTILITY PLANT BOARD
 GASTINEAU AND ASSOCIATES, Inc.
 104 Berkeley Estates, Nicholasville, KY

GENERAL NOTES	NO.	REVISION	CHK'D	APPR.	DATE

ACAD FILE: _____
 NOTES _____
 DRAWN BY: KSG
 DATE: OCTOBER 2012
 SCALE: AS NOTED
 SHEET NO. 2 OF 8

GENERAL SUMMARY

ITEM CODE	ITEM	UNIT	SHEET # 3	SHEET # 4									TOTAL PROJECT
03389	10" C900 PVC WATER PIPE	LF	157	578									735
03385	6" PVC WATER PIPE	LF		892									892
03383	4" CL 200 PVC	LF		92									92
03526	6" MJ GATE VALVE	EA		1									1
03524	4" MJ GATE VALVE	EA	1	1									2
03522	2" MJ GATE VALVE	EA		1									1
03551	10" TAPPING SLEEVE AND VALVE	EA	1										1
23596EC	6" TAPPING SLEEVE AND VALVE	EA		1									1
21399ED	16" STEEL CASING PIPE, BORE AND JACK	LF		44									44
20211ES706	12" STEEL CASING PIPE, BORE AND JACK	LF		32									32
20211ES706	4" STEEL CASING PIPE, BORE AND JACK	LF		154									154
03442	10"x6" DIMJ TEE	LB	170										170
03442	10" DIMJ 45° BEND	LB	350										350
03442	10"x6" DIMJ REDUCER	LB	190										190
03442	6" DIMJ TEE	LB		150									150
03442	6" DIMJ 90° BEND	LB		150									150
03442	6"x2" DIMJ TEE	LB		150									150
20890ND	10" CUT AND BLOCK	EA	1										1
22012NN	6" CUT AND BLOCK	EA		1									1
22082NN	1" ARI AIR RELEASE VALVE ASSEMBLY	EA	1	2									3
23294EC	TIE-IN DETAIL No. 1	LS		1									1
22866NN	5/8"x3/4" CUSTOMER SERVICE METER	EA		2									2
22866NN	2" CUSTOMER SERVICE METER	EA		1									1
20169EC	2" METER & RECONNECT TO SERVICE LINE	EA		1									1
03361	1" COPPER SERVICE LINE	LF		140									140
03372	2" PE SERVICE LINE	LF		120									120
03437	RECONNECT NEW SERVICE LINE TO METER	EA		2									2
03438	RECONNECT NEW 4" PVC TO EXISTING 4"	EA		1									1
24078EC	4" MASTER METER AND VAULT	EA		1									1
20156EC	FIRE HYDRANTASSEMBLY	EA	1	1									2

U3

SCOTT CREEK MARINA
 KY801 TURNING LANES
 MOREHEAD UTILITY PLANT BOARD
 GASTINEAU AND
 ASSOCIATES, Inc.
 104 Barkley Estates, Nicholasville, KY

NO.	REVISION	CHK'D	APPR.	DATE

ACAD FILE:

DRAWN BY:

DATE:
OCT. 2012

SCALE:

SHEET NO.

GENERAL SUMMARY

REVIS^d REVIS^d 11-13-2012

U3

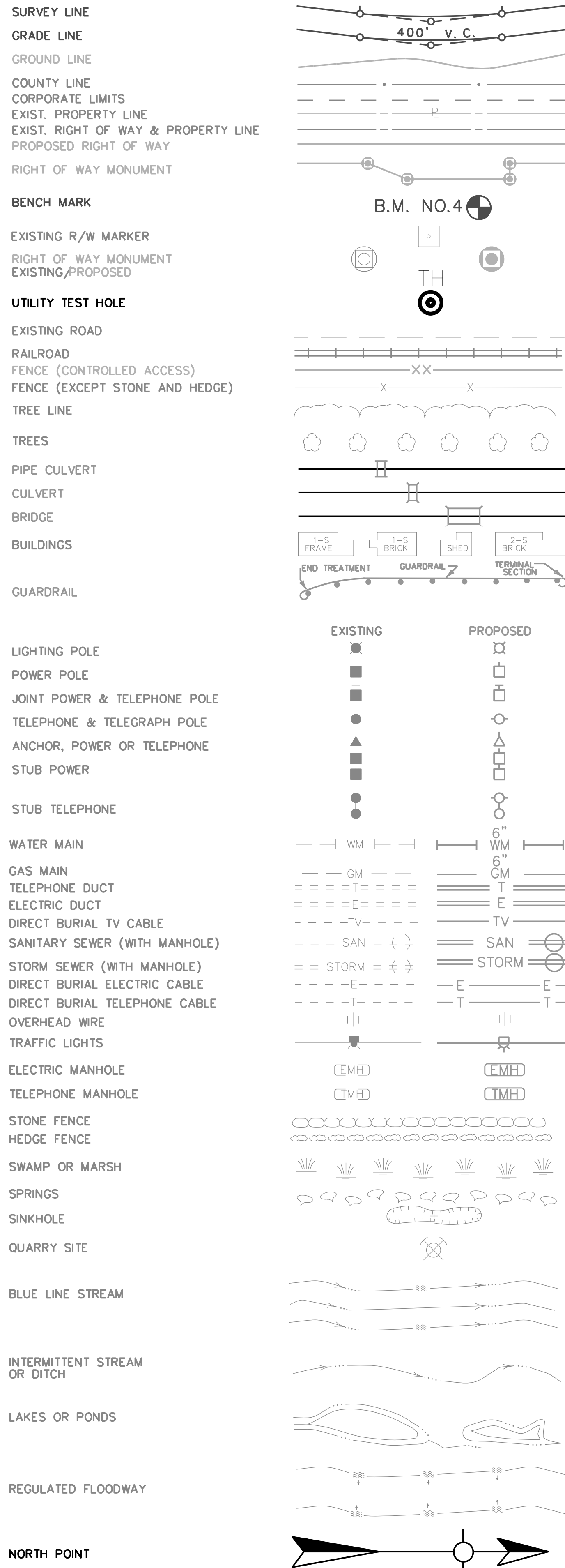
ITEM CODE	ITEM	UNIT	SHEET # 3	SHEET # 4										TOTAL PROJECT
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03385	6" PVC WATER PIPE	LF		892										892
03383	4" CL 200 PVC	LF		92										92
03526	6" MJ GATE VALVE	EA		1										1
03524	4" MJ GATE VALVE	EA	1	1										2
03522	2" MJ GATE VALVE	EA		1										1
03551	10" TAPPING SLEEVE AND VALVE	EA	1											1
23596EC	6" TAPPING SLEEVE AND VALVE	EA		1										1
21399ED	16" STEEL CASING PIPE, BORE AND JACK	LF		44										44
20211ES706	12" STEEL CASING PIPE, BORE AND JACK	LF		32										32
20211ES706	4" STEEL CASING PIPE, BORE AND JACK	LF		154										154
03442	10"x6" DIMJ TEE	LB	170											170
03442	10" DIMJ 45° BEND	LB	350											350
03442	10"x6" DIMJ REDUCER	LB	190											190
03442	6" DIMJ TEE	LB		150										150
03442	6" DIMJ 90° BEND	LB		150										150
03442	6"x2" DIMJ TEE	LB		150										150
20890ND	10" CUT AND BLOCK	EA	1											1
22012NN	6" CUT AND BLOCK	EA		1										1
22082NN	1" ARI AIR RELEASE VALVE ASSEMBLY	EA	1	2										3
23294EC	TIE-IN DETAIL No. 1	LS		1										1
22866NN	5/8"x3/4" CUSTOMER SERVICE METER	EA		2										2
22866NN	2" CUSTOMER SERVICE METER	EA		1										1
20169EC	2" METER & RECONNECT TO SERVICE LINE	EA		1										1
03361	1" COPPER SERVICE LINE	LF		140										140
03372	2" PE SERVICE LINE	LF		120										120
03437	RECONNECT NEW SERVICE LINE TO METER	EA		2										2
03438	RECONNECT NEW 4" PVC TO EXISTING 4"	EA		1										1
24078EC	4" MASTER METER AND VAULT	EA		1										1
20156EC	FIRE HYDRANT ASSEMBLY	EA	1	1										2

SCOTT CREEK MARINA
K-801 TURNING LANES
MOREHEAD UTILITY PLANT BOARD
GASTINEAU AND
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104 Barkley Estates, Nicholasville, KY

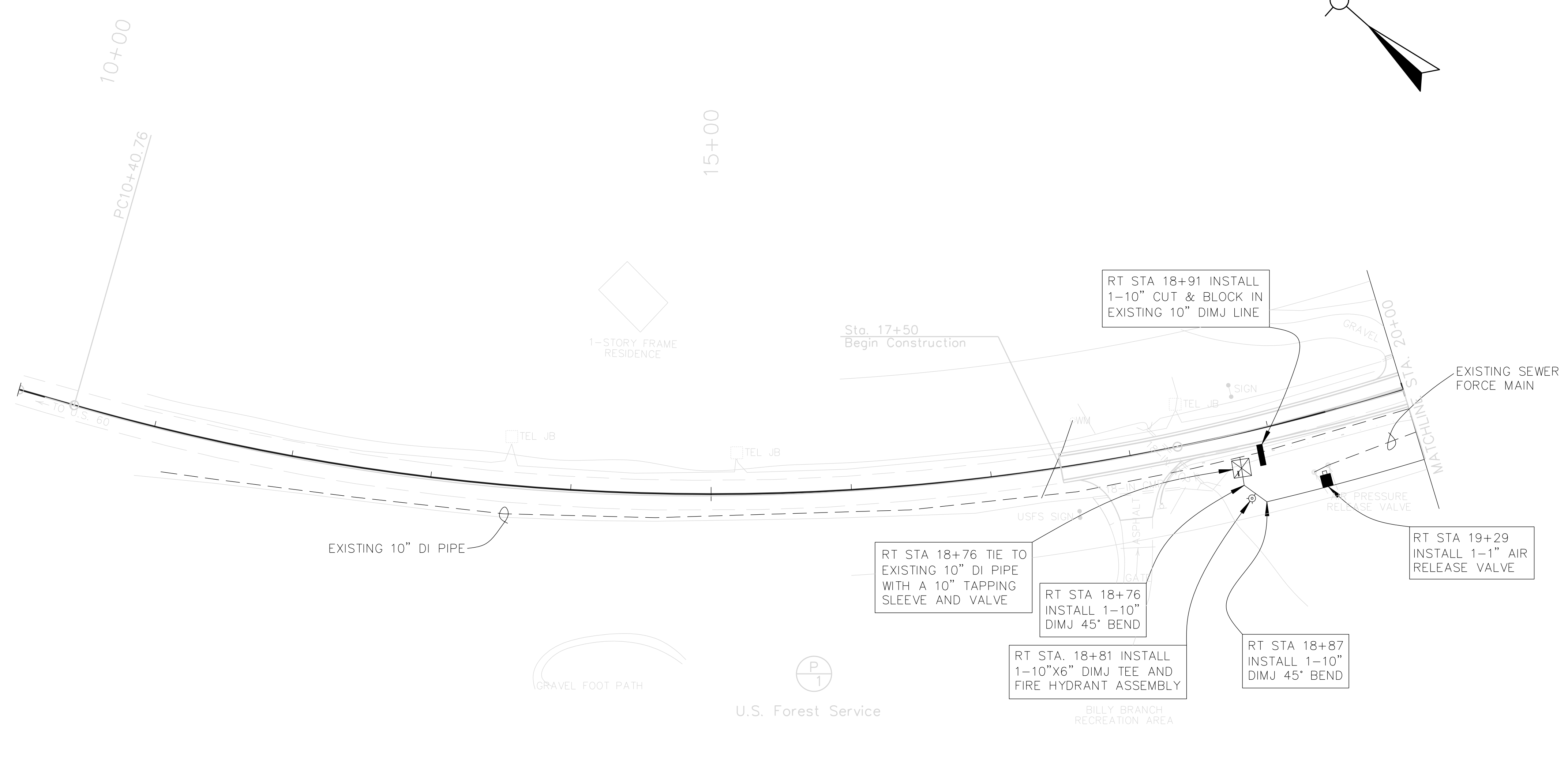
REVISION	NO	CHK'D	APP'R.	DATE

COUNTY OF	ITEM NO.	SHEET NO.
ROWAN	9-187.10	U4

CONVENTIONAL SIGNS



PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____



UTILITY OWNERS

SHEET TOTALS			
ITEM No.	DESCRIPTION	UNIT	QUANTITY
	10" C900 PVC WATER PIPE	LF	157
	10" TAPPING SLEEVE AND VALVE	EA	1
	10"x6" DIMJ TEE	EA	1
	10" DIMJ 45° BEND	EA	2
	10" CUT AND BLOCK	EA	1
	1" ARI AIR RELEASE VALVE ASSEMBLY	EA	1
	FIRE HYDRANT ASSEMBLY	EA	1

PLAN SHEET 4

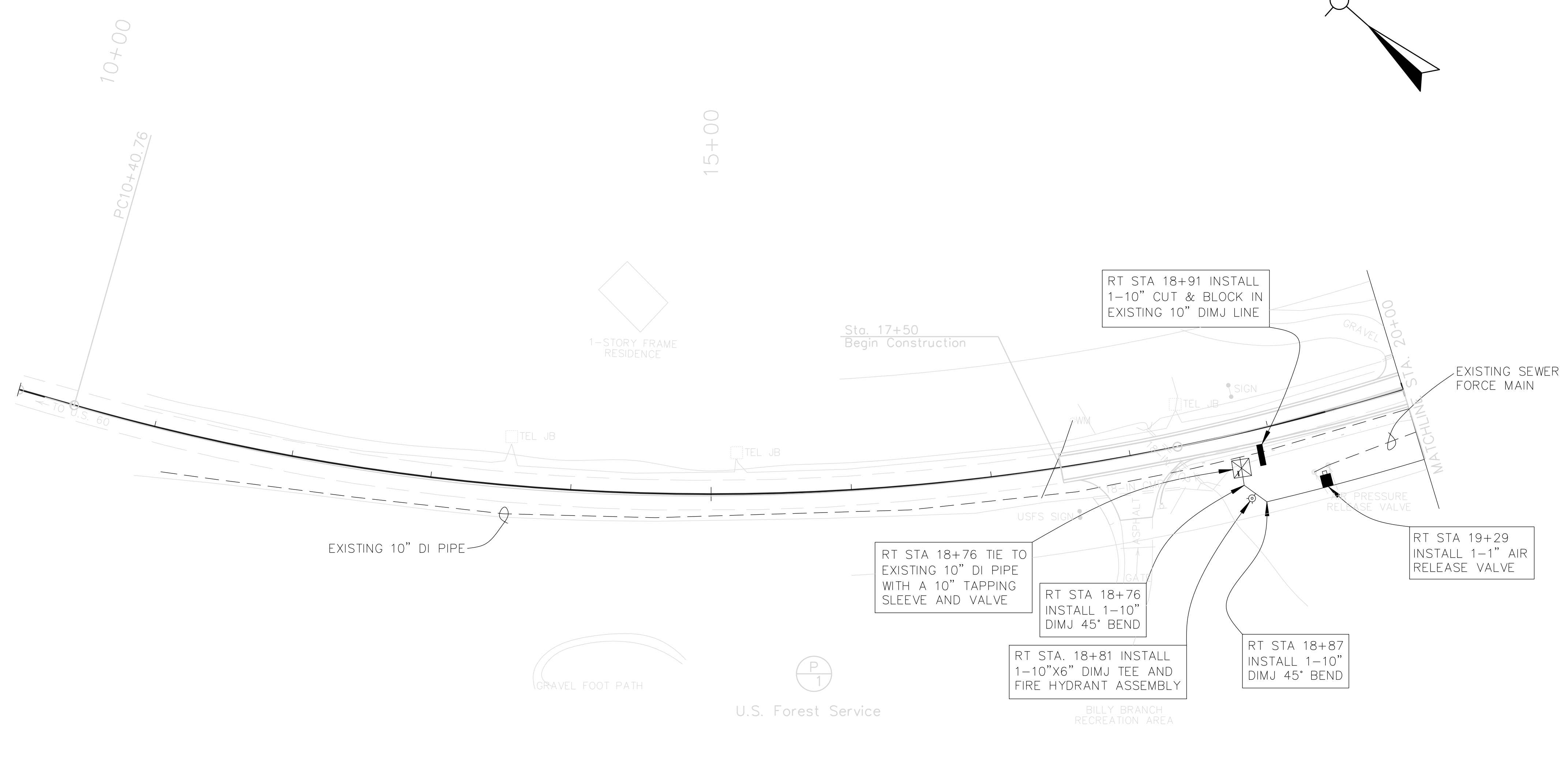
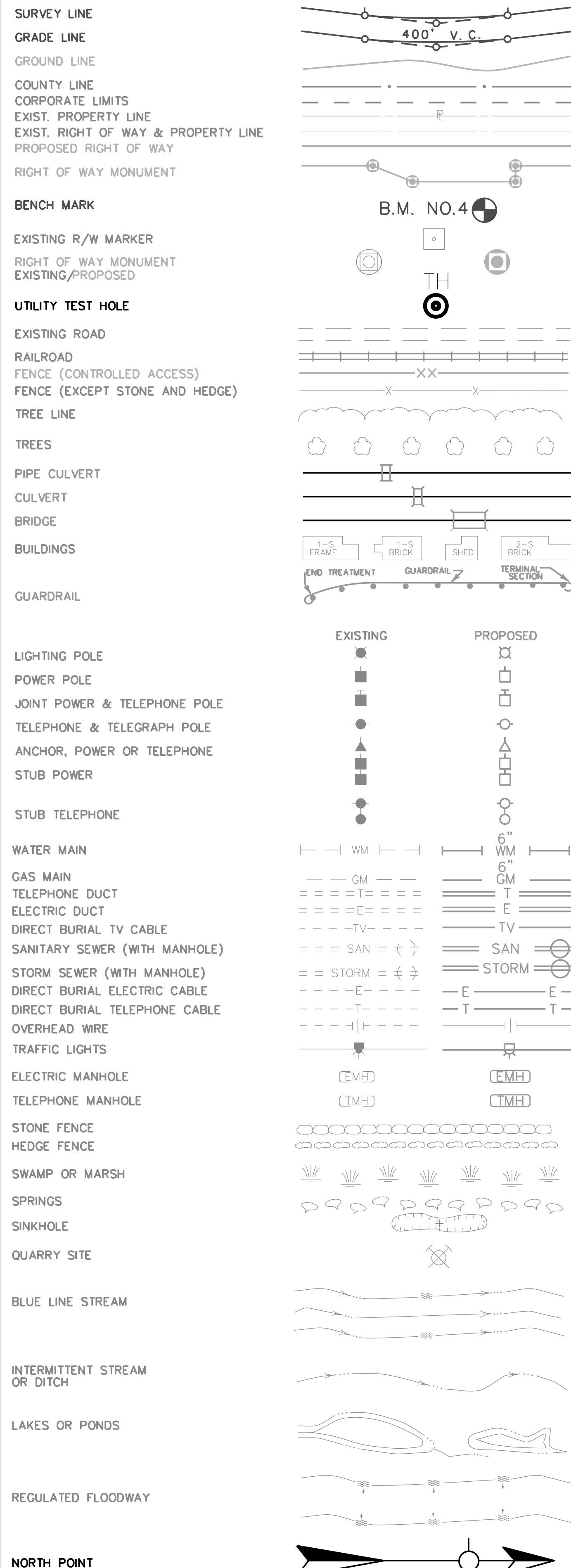
PROJECT SCALE: 1"=50'
 Commonwealth of Kentucky
 DEPARTMENT OF HIGHWAYS
 COUNTY OF
ROWAN
 KYPF H125-1 (1)
 NUMBERS: FD52 103 0801 007-008
 PLAN SHEET
 STA 10+00 TO STA 20+00

USER: \$\$\$\$\$\$
 DATE: \$\$\$\$
 FILE NAME: \$\$\$design\$filespecification\$\$\$
 E-SHEET NAME: R00300PL

COUNTY OF	ITEM NO.	SHEET NO.
ROWAN	9-187.10	U4

REVIS  **REVISED 11-13-2012**

CONVENTIONAL SIGNS



SHEET TOTALS			
ITEM No.	DESCRIPTION	UNIT	QUANTITY
	10" C900 PVC WATER PIPE	LF	157
	10" TAPPING SLEEVE AND VALVE	EA	1
	10"x6" DIMJ TEE	EA	1
	10" DIMJ 45° BEND	EA	2
	10" CUT AND BLOCK	EA	1
	1" ARI AIR RELEASE VALVE ASSEMBLY	EA	1
	FIRE HYDRANT ASSEMBLY	EA	1

PLAN SHEET 4

PROJECT SCALE: 1"=50'

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF
ROWAN

KYPF H125-1 (1)
NUMBERS: FD52 103 0801 007-008

PLAN SHEET
STA 10+00 TO STA 20+00

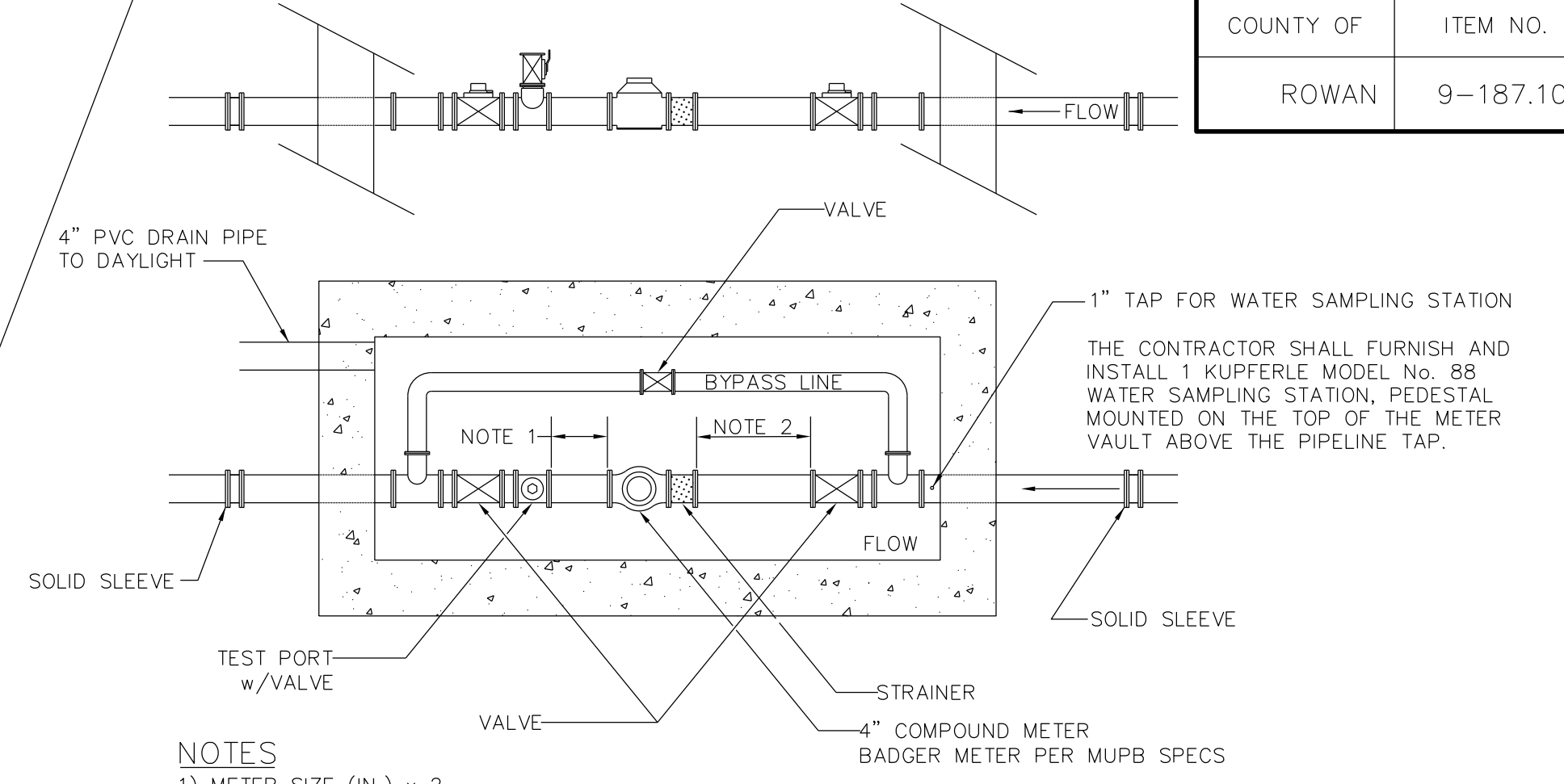
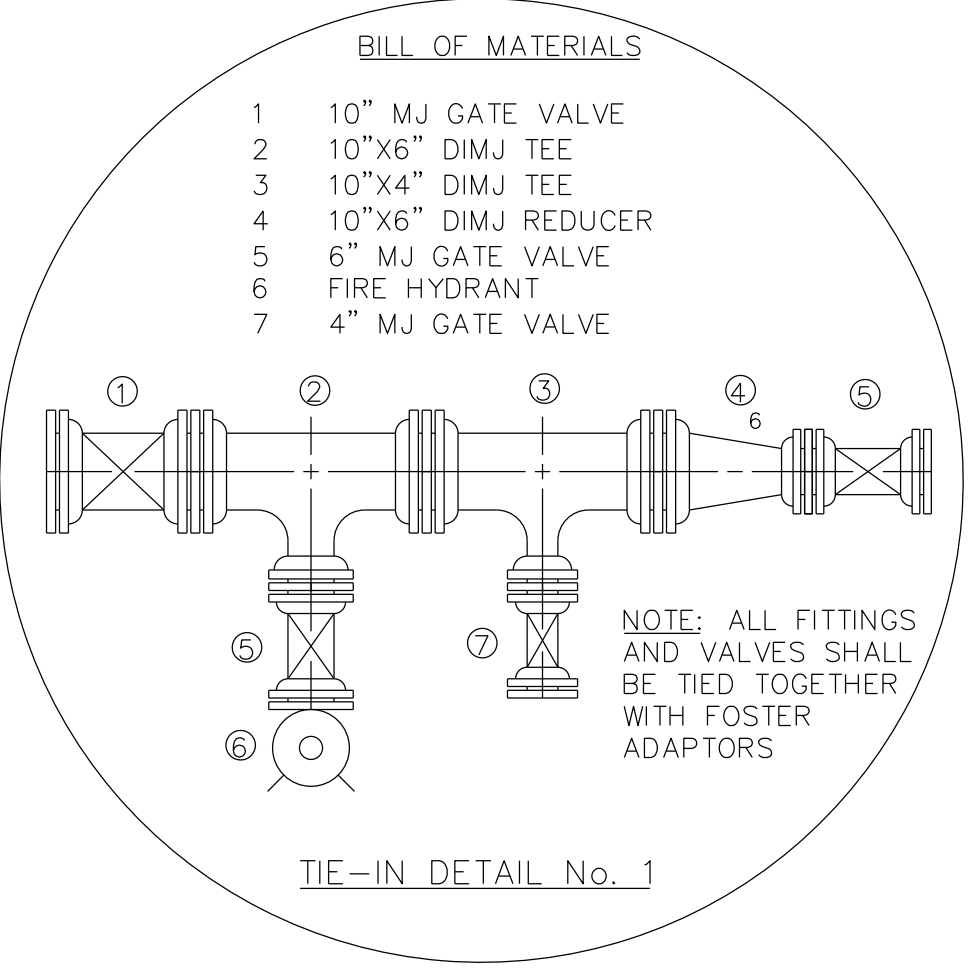
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USER: \$\$\$\$\$\$
DATE: \$\$\$\$
FILE NAME: \$\$\$\$design\$specification\$\$\$
E-SHEET NAME: R00300PL

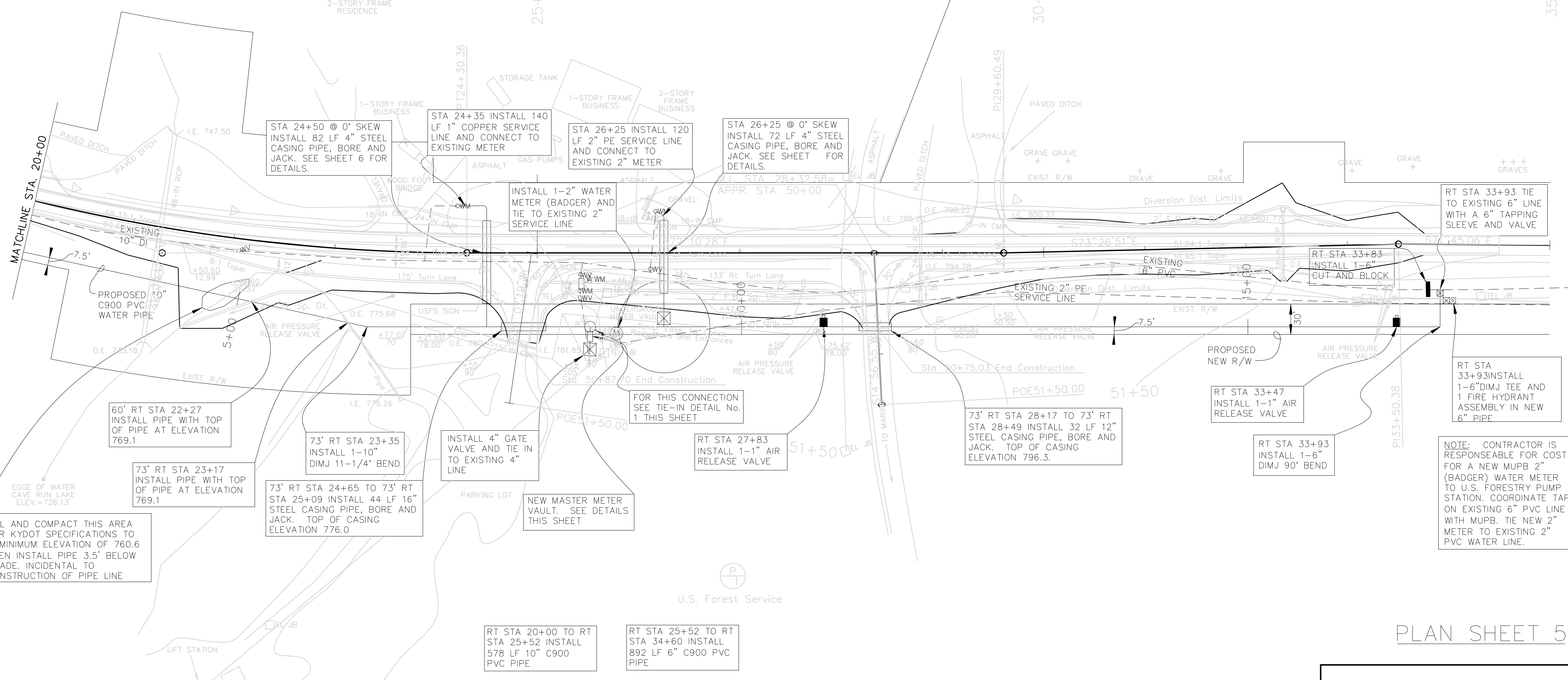
PREPARED BY _____ DATE _____
CHECKED BY _____ DATE _____
APPROVED BY _____ DATE _____

UTILITY OWNERS

SHEET TOTALS			
ITEM No.	DESCRIPTION	UNIT	QUANTITY
10"	C900 PVC WATER PIPE	LF	578
6"	C900 PVC WATER PIPE	LF	892
4"	CL200 PVC WATER PIPE	LF	92
6"	GATE VALVE	EA	1
4"	MJ GATE VALVE	EA	1
2"	GATE VALVE	EA	1
6"	TAPPING SLEEVE AND VALVE	EA	1
16"	STEEL CASING PIPE, BORE AND JACK	LF	44
12"	STEEL CASING PIPE, BORE AND JACK	LF	32
4"	STEEL CASING PIPE, BORE AND JACK	LF	154
6"	DIMJ TEE	EA	1
6"	DIMJ 90° BEND	EA	1
6"x2"	DIMJ TEE	EA	1
6"	CUT AND BLOCK	EA	1
1"	ARI AIR RELEASE VALVE ASSEMBLY	EA	2
TIE-IN	DETAIL No. 1	LS	1
5/8x3/4"	CUSTOMER SERVICE METER	EA	2
2"	CUSTOMER SERVICE METER	EA	1
2"	METER AND RECONNECT TO SER. LINE	LS	1
1"	COPPER SERVICE LINE	LF	140
2"	PE SERVICE LINE	LF	120
RECONNECT	NEW SERVICE LINE TO METER	EA	2
RECONNECT	NEW 4" PVC TO EXISTING 4"	EA	1
4"	MASTER METER AND VAULT	LS	1



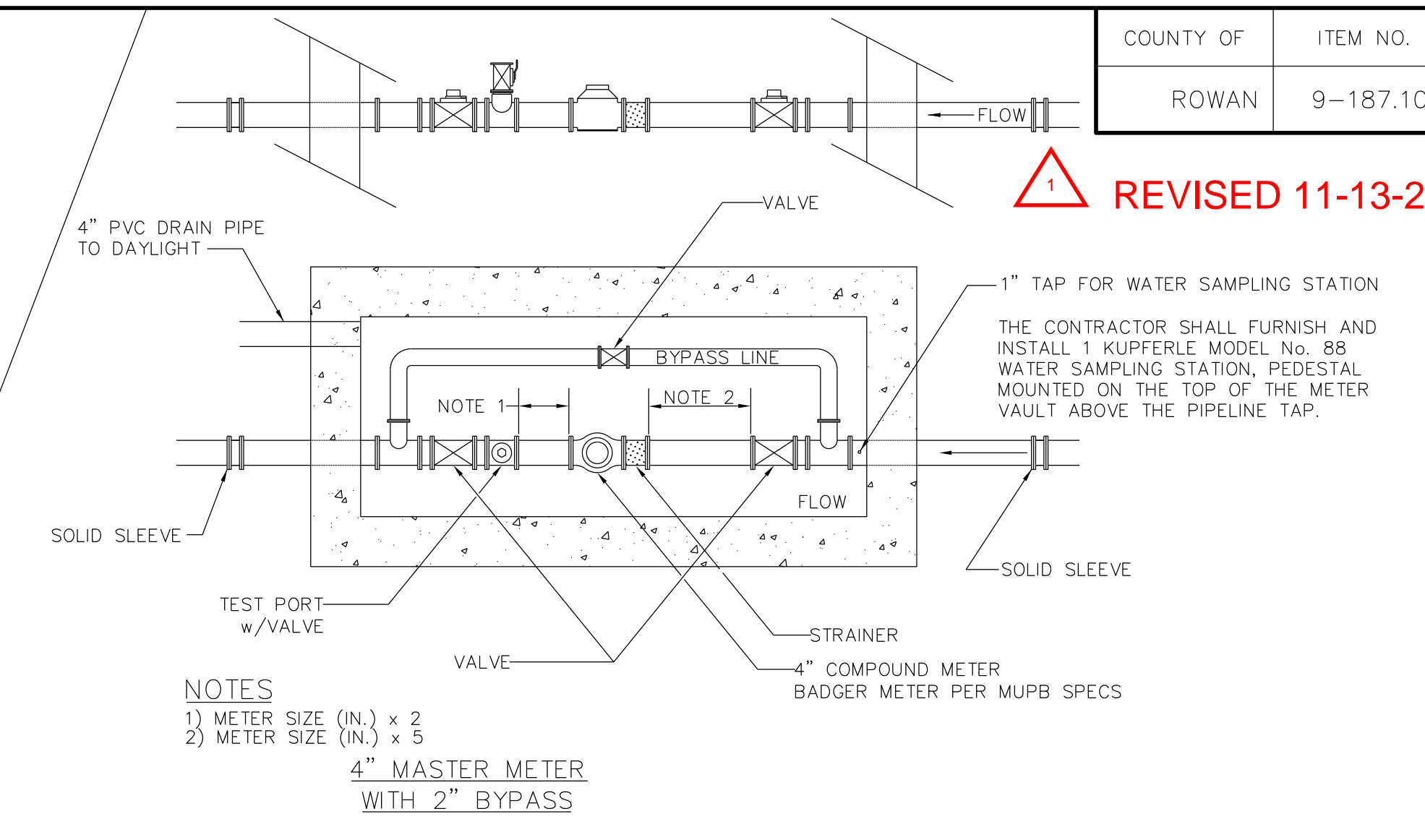
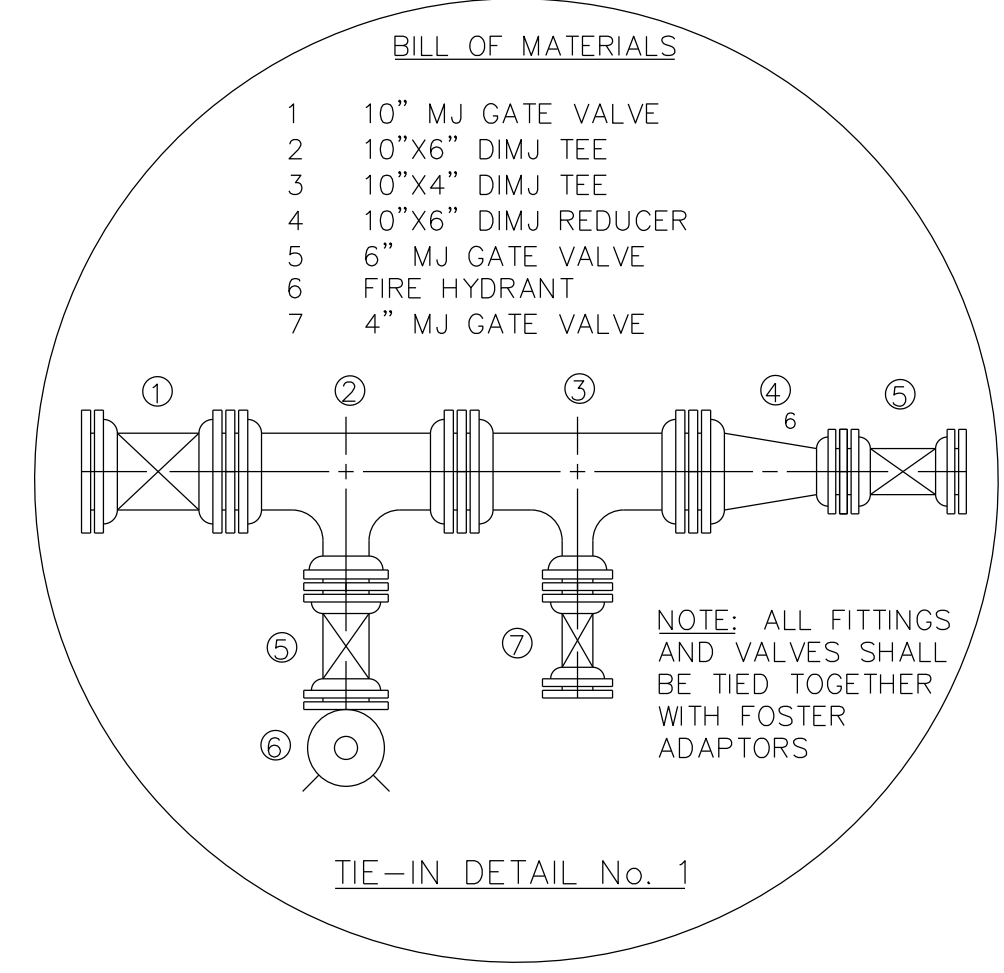
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 CHECKED BY _____ DATE _____
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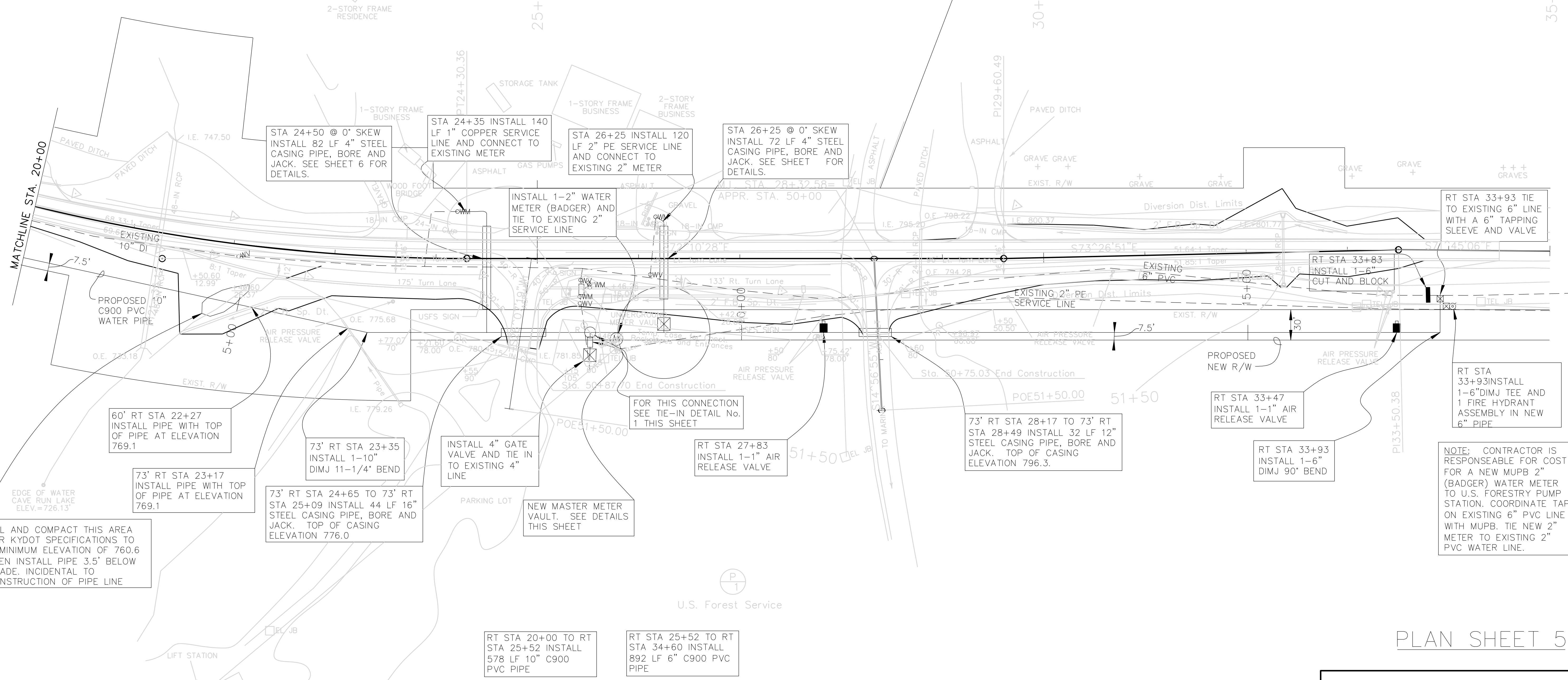
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 E-SHEET NAME: R00500PL

REVISION 11-13-2012

SHEET TOTALS			
ITEM No.	DESCRIPTION	UNIT	QUANTITY
10"	C900 PVC WATER PIPE	LF	578
6"	C900 PVC WATER PIPE	LF	892
4"	CL200 PVC WATER PIPE	LF	92
6"	GATE VALVE	EA	1
4"	MJ GATE VALVE	EA	1
2"	GATE VALVE	EA	1
6"	TAPPING SLEEVE AND VALVE	EA	1
16"	STEEL CASING PIPE, BORE AND JACK	LF	44
12"	STEEL CASING PIPE, BORE AND JACK	LF	32
4"	STEEL CASING PIPE, BORE AND JACK	LF	154
6"	DIMJ TEE	EA	1
6"	DIMJ 90° BEND	EA	1
6"x2"	DIMJ TEE	EA	1
6"	CUT AND BLOCK	EA	1
1"	ARI AIR RELEASE VALVE ASSEMBLY	EA	2
TIE-IN	DETAIL No. 1	LS	1
5/8x3/4"	CUSTOMER SERVICE METER	EA	2
2"	CUSTOMER SERVICE METER	EA	1
2"	METER AND RECONNECT TO SER. LINE	LS	1
1"	COPPER SERVICE LINE	LF	140
2"	PE SERVICE LINE	LF	120
RECONNECT	NEW SERVICE LINE TO METER	EA	2
RECONNECT	NEW 4" PVC TO EXISTING 4"	EA	1
4"	MASTER METER AND VAULT	LS	1



PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____



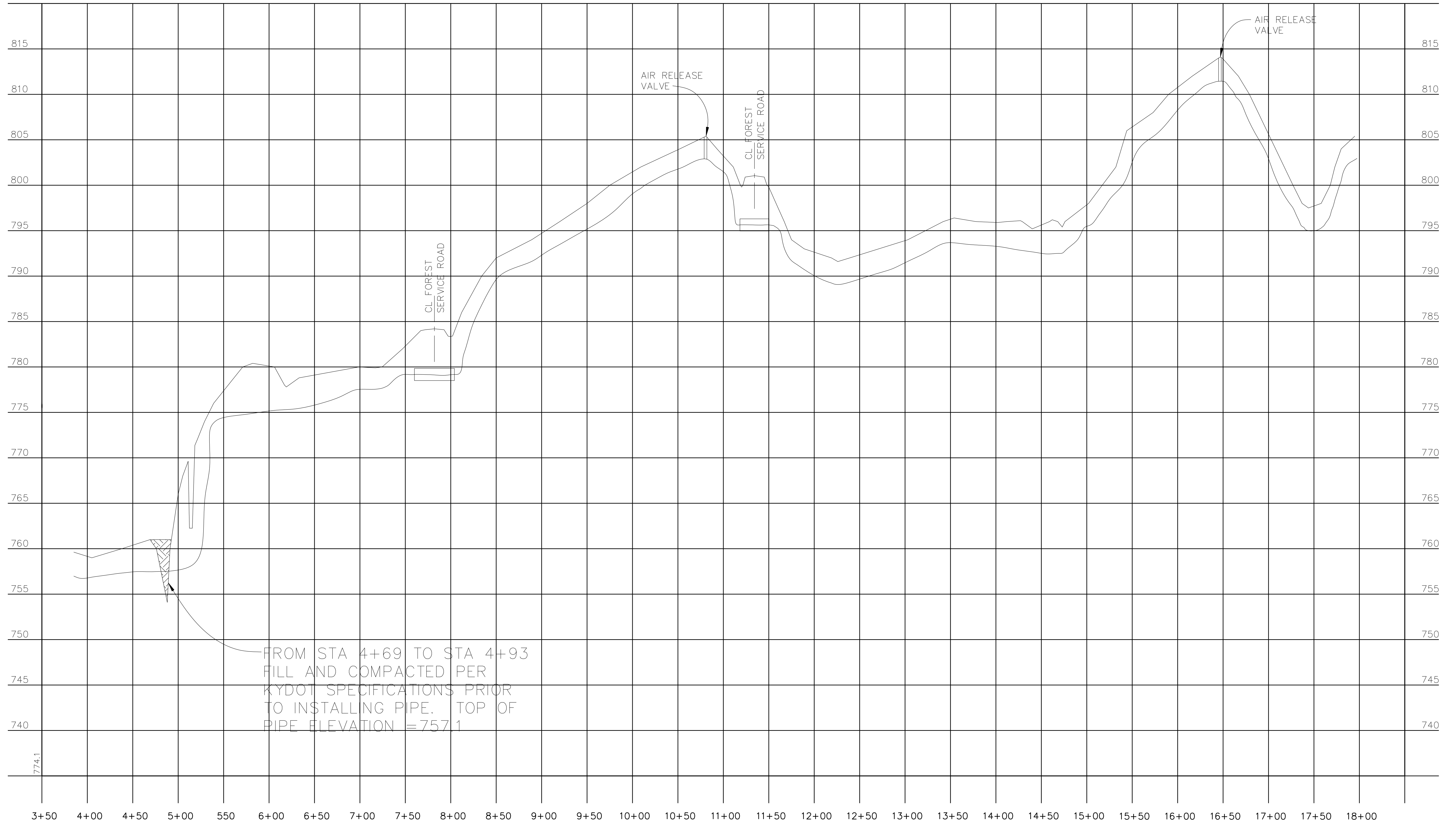
PLAN SHEET 5

SCALE: 1"=50'

PLAN SHEET STA. 20+00 TO STA. 35+00

USER: \$\$\$\$\$\$
 DATE: \$\$\$\$
 FILE NAME: \$\$\$\$design\$specification\$\$\$
 E-SHEET NAME: R00500PL

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____



USER: \$\$\$USER\$\$\$
 DATE: \$\$\$DATE\$\$\$
 FILE NAME: \$\$\$design\$file\$specification\$\$\$
 E-SHEET NAME:R00600PR

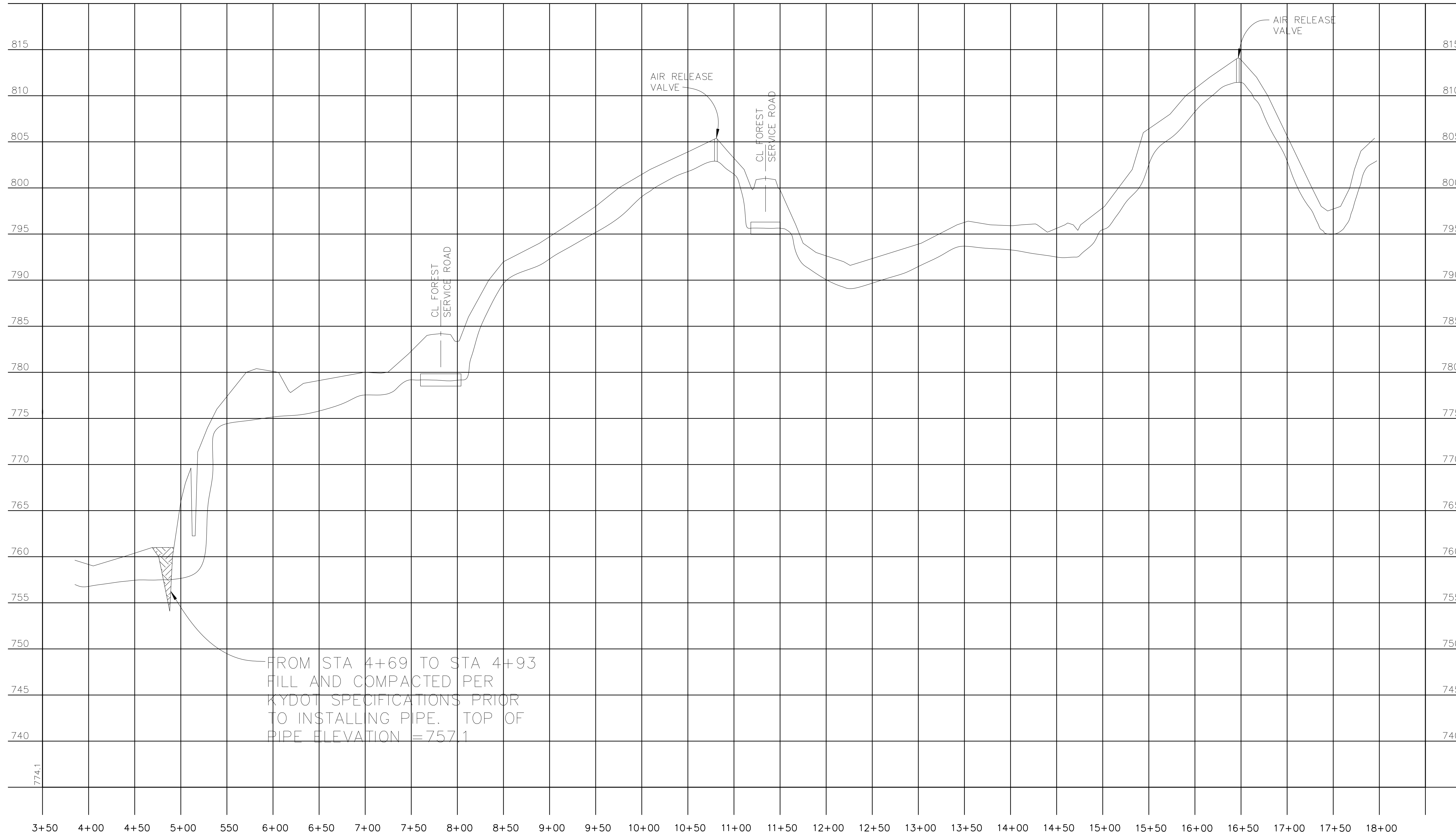
SCALE: 1"= 50' HORIZ.
 5' VERT.

Pipeline Profile

COUNTY OF	ITEM NO.	SHEET NO.
ROWAN	9-187.10	U6

REVISION 4
REVISED 11-13-2012

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____



REVISION 1

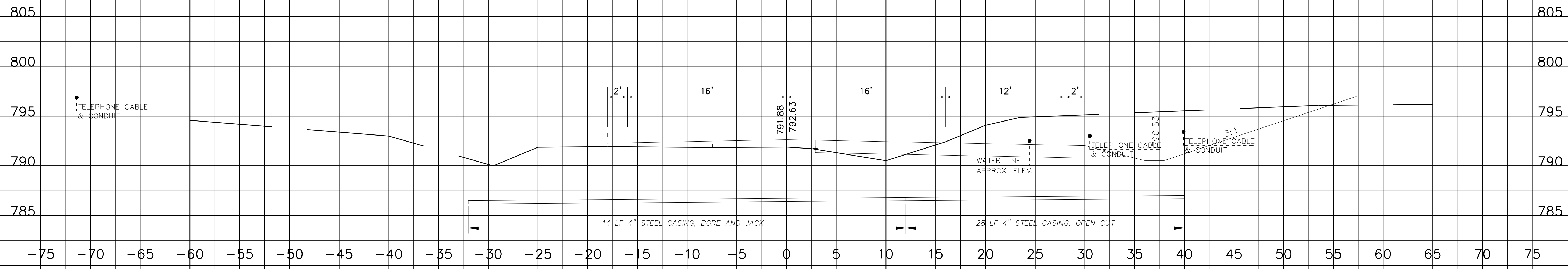
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SCALE: 1"= 50' HORIZ.
 5' VERT.

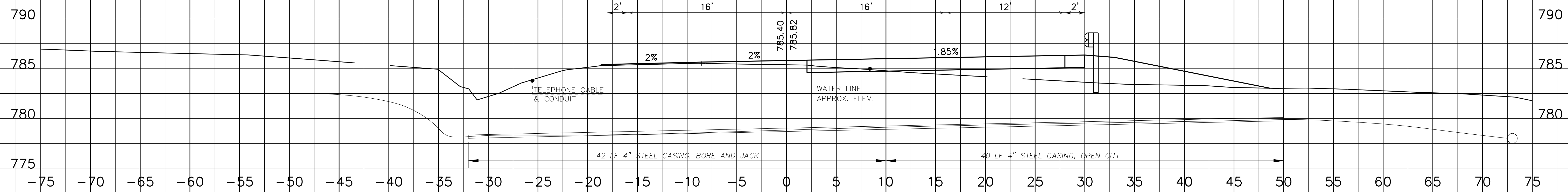
Pipeline Profile

COUNTY OF	ITEM NO.	SHEET NO.
ROWAN	9-187.10	U7

PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____



26+25



24+50

SCALE: 1" = 5' HORIZONTAL
1" = 5' VERTICAL

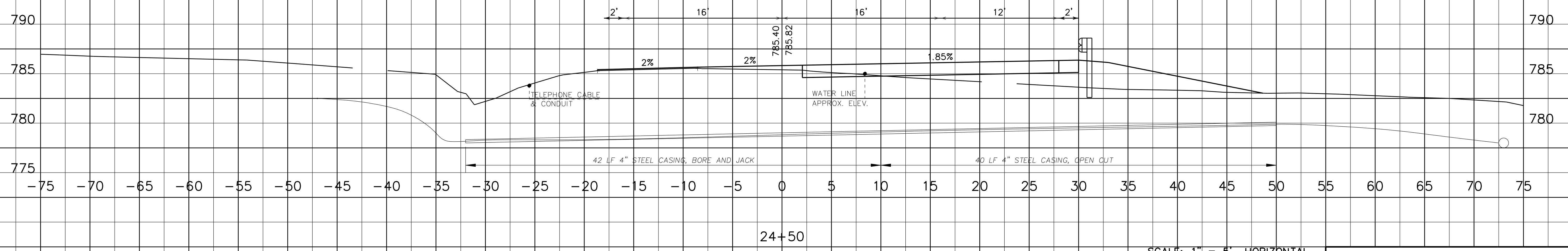
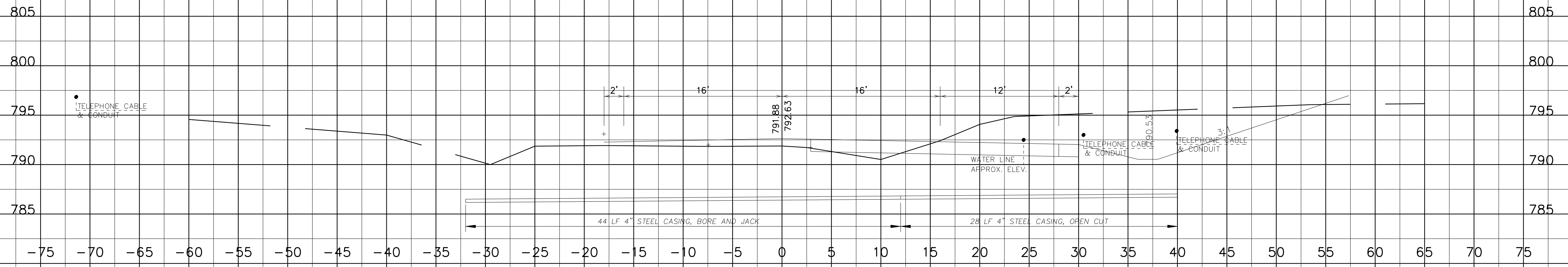
Pipeline X-Sections

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 E-SHEET NAME:

COUNTY OF	ITEM NO.	SHEET NO.
ROWAN	9-187.10	U7

REVIS 11-13-2012

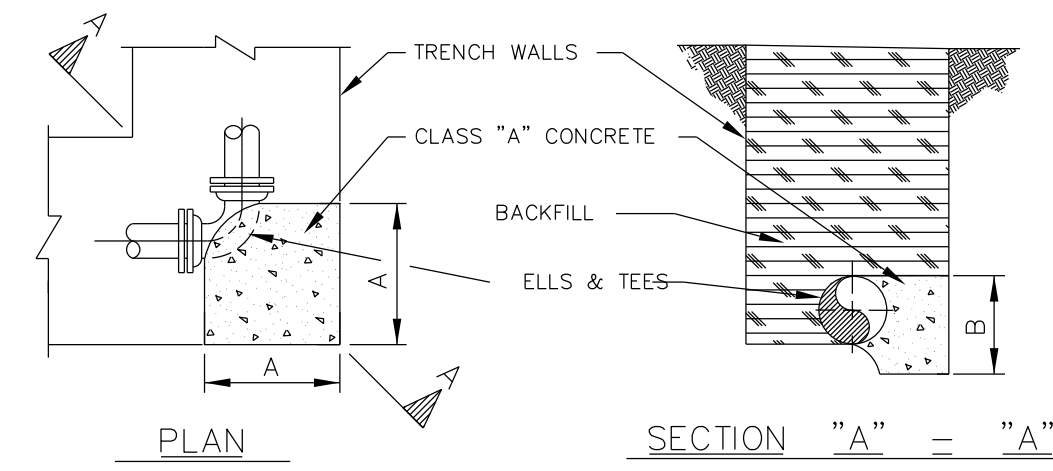
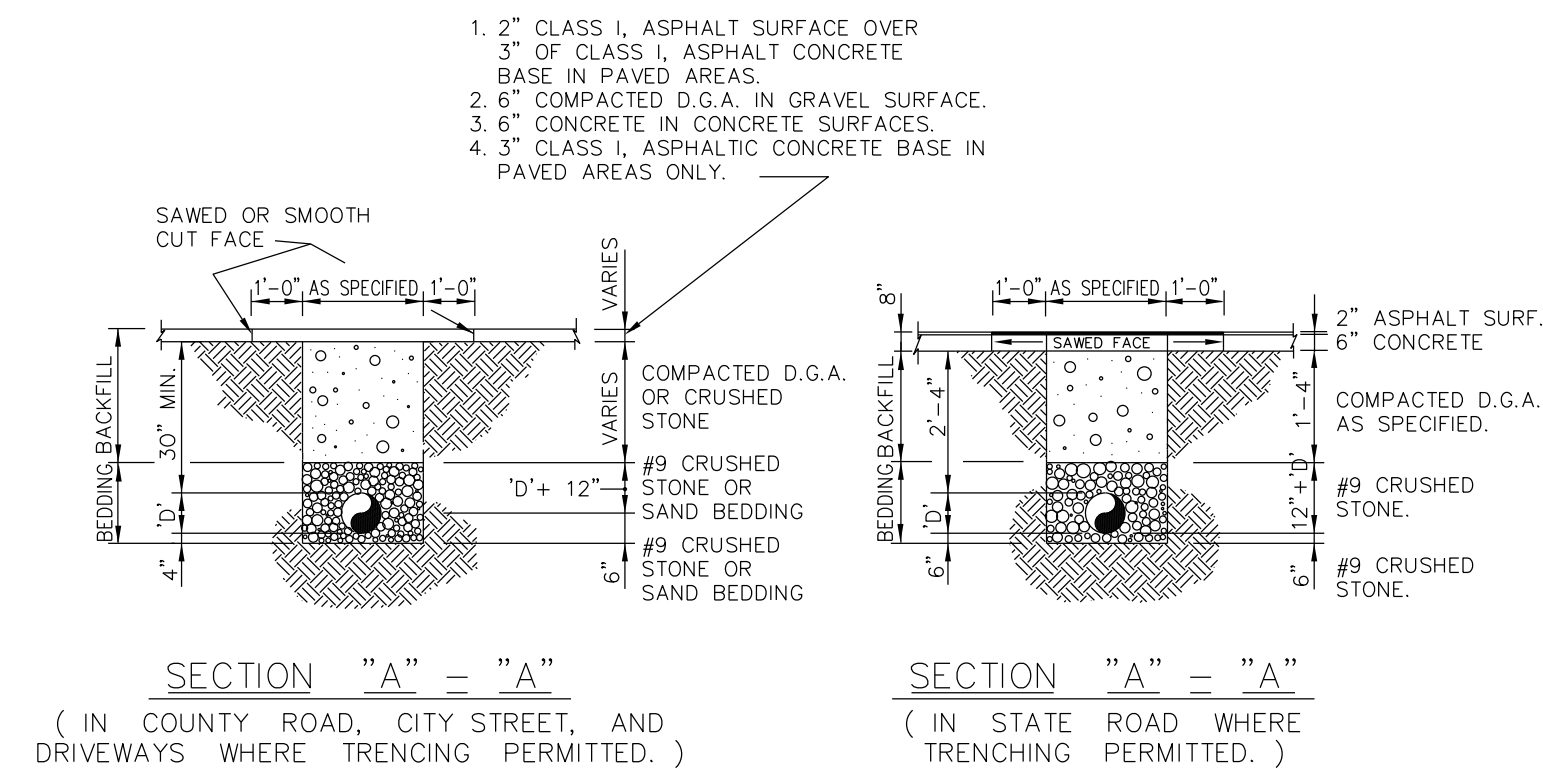
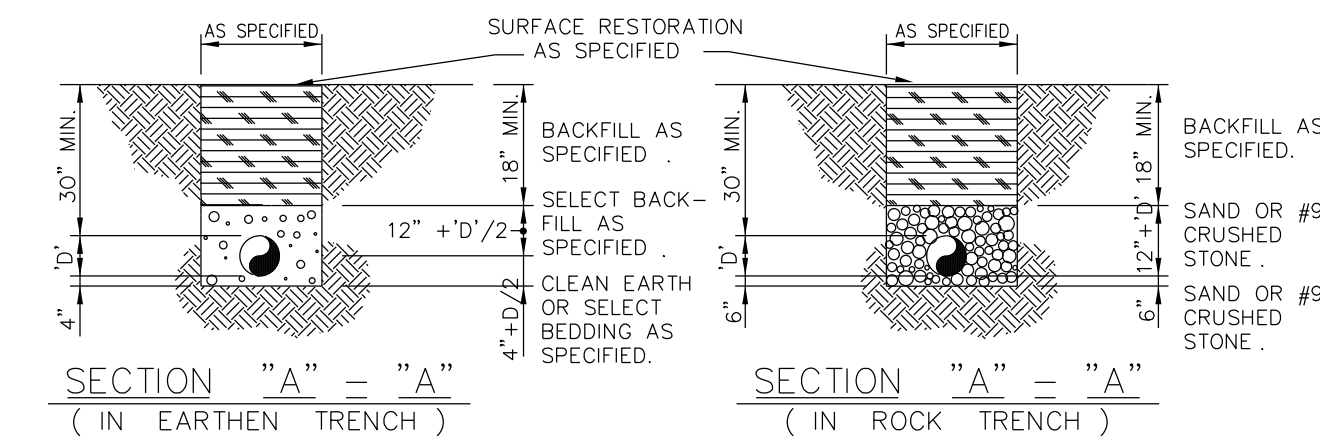
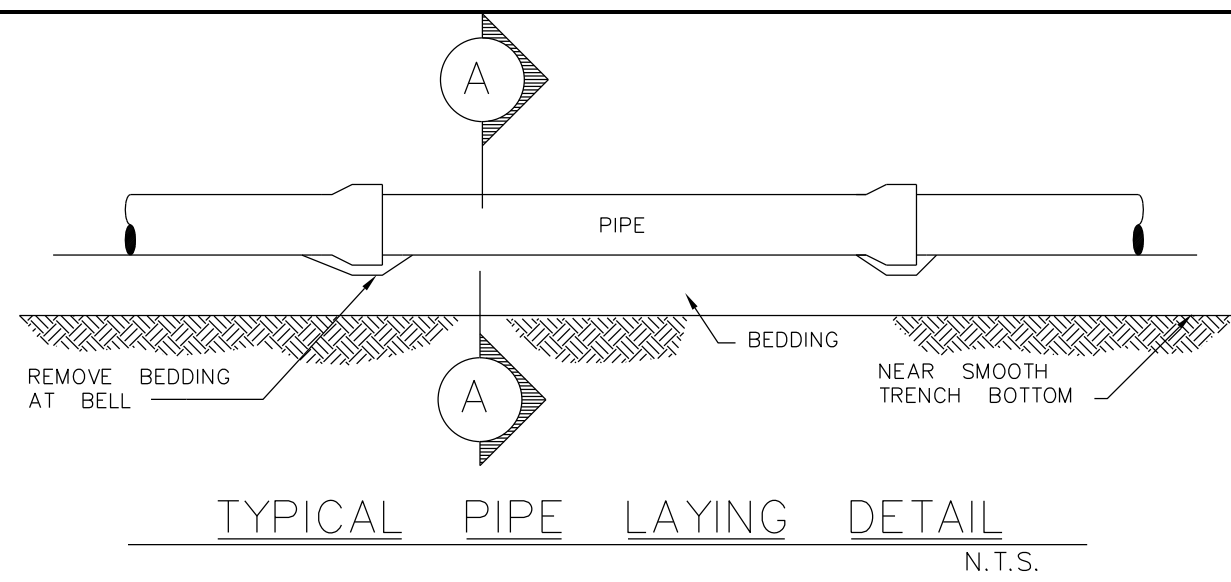
PREPARED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 APPROVED BY _____ DATE _____



SCALE: 1" = 5' HORIZONTAL
 1" = 5' VERTICAL

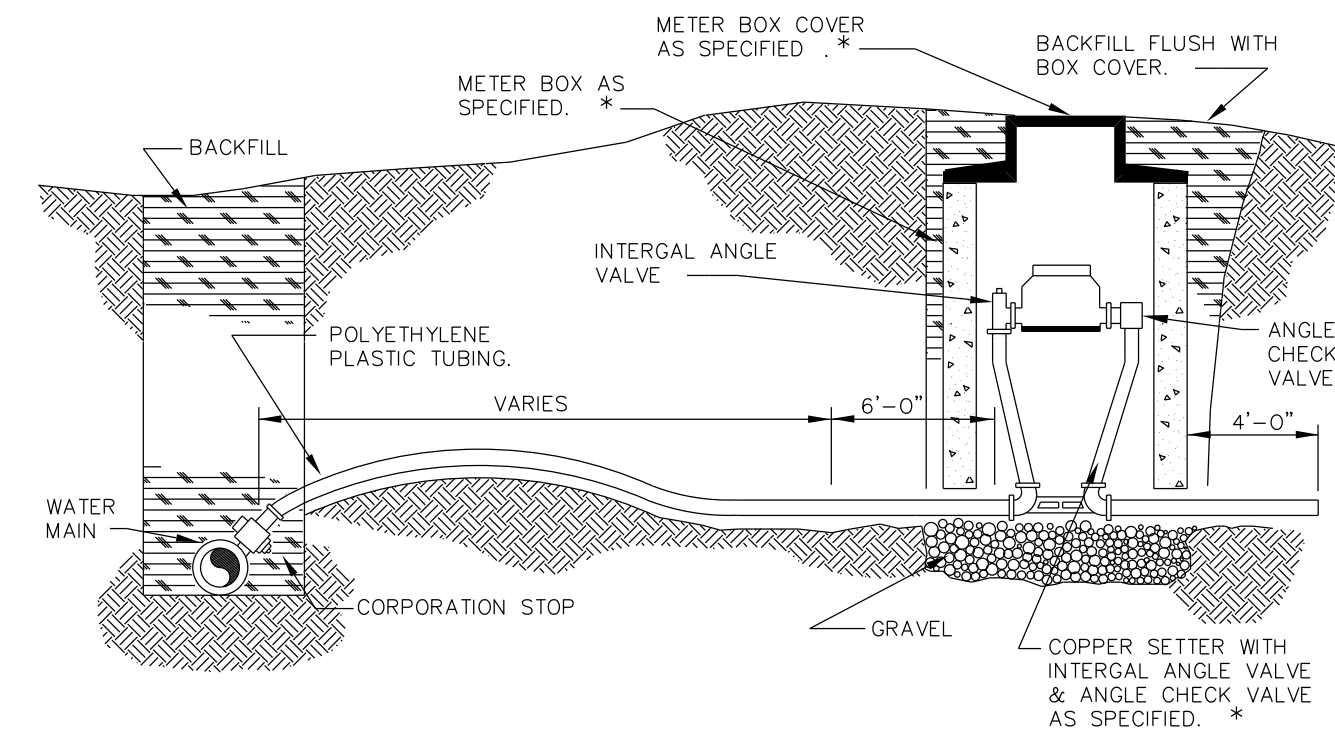
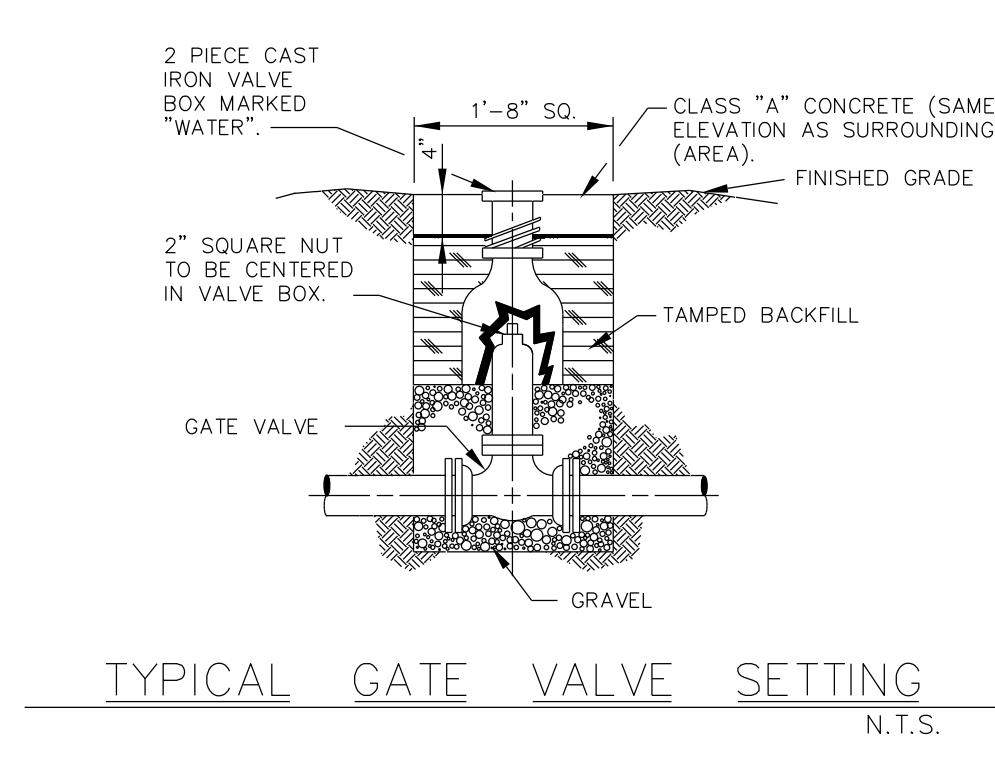
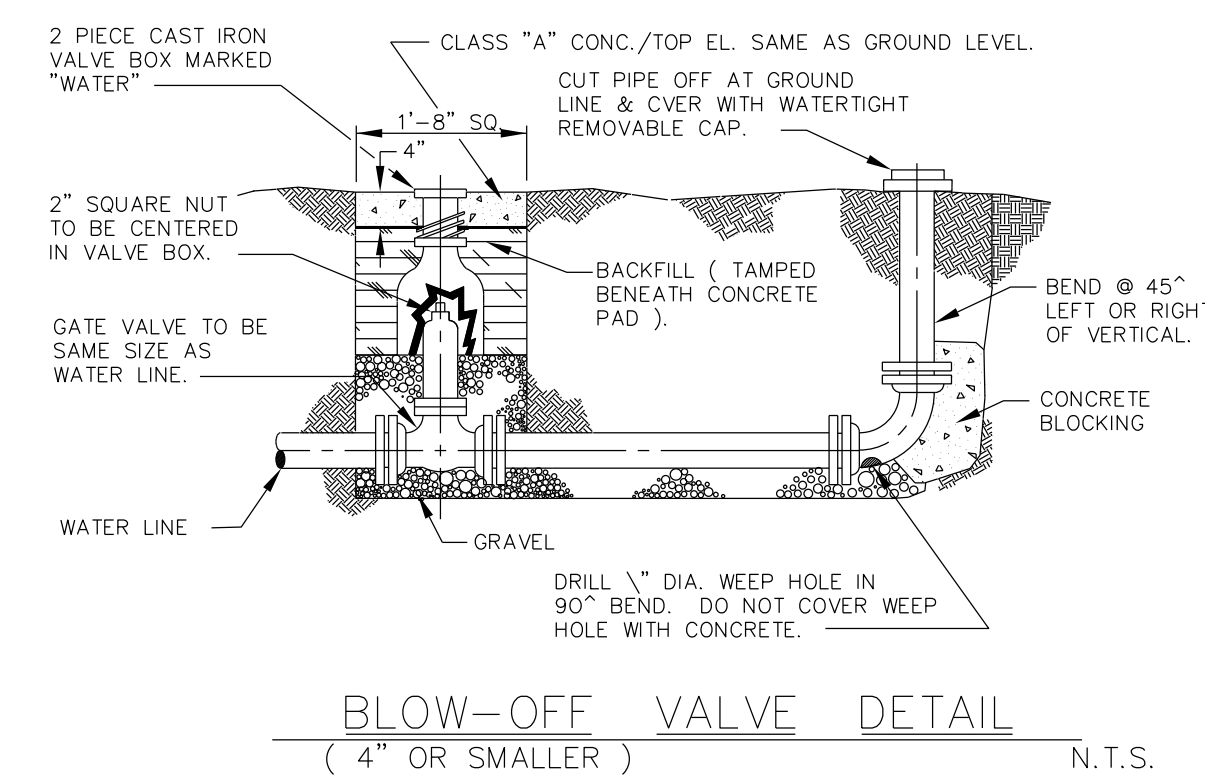
Pipeline X-Sections

USER: \$\$\$USER\$\$\$
 DATE: \$\$\$DATE\$\$\$
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 E-SHEET NAME:

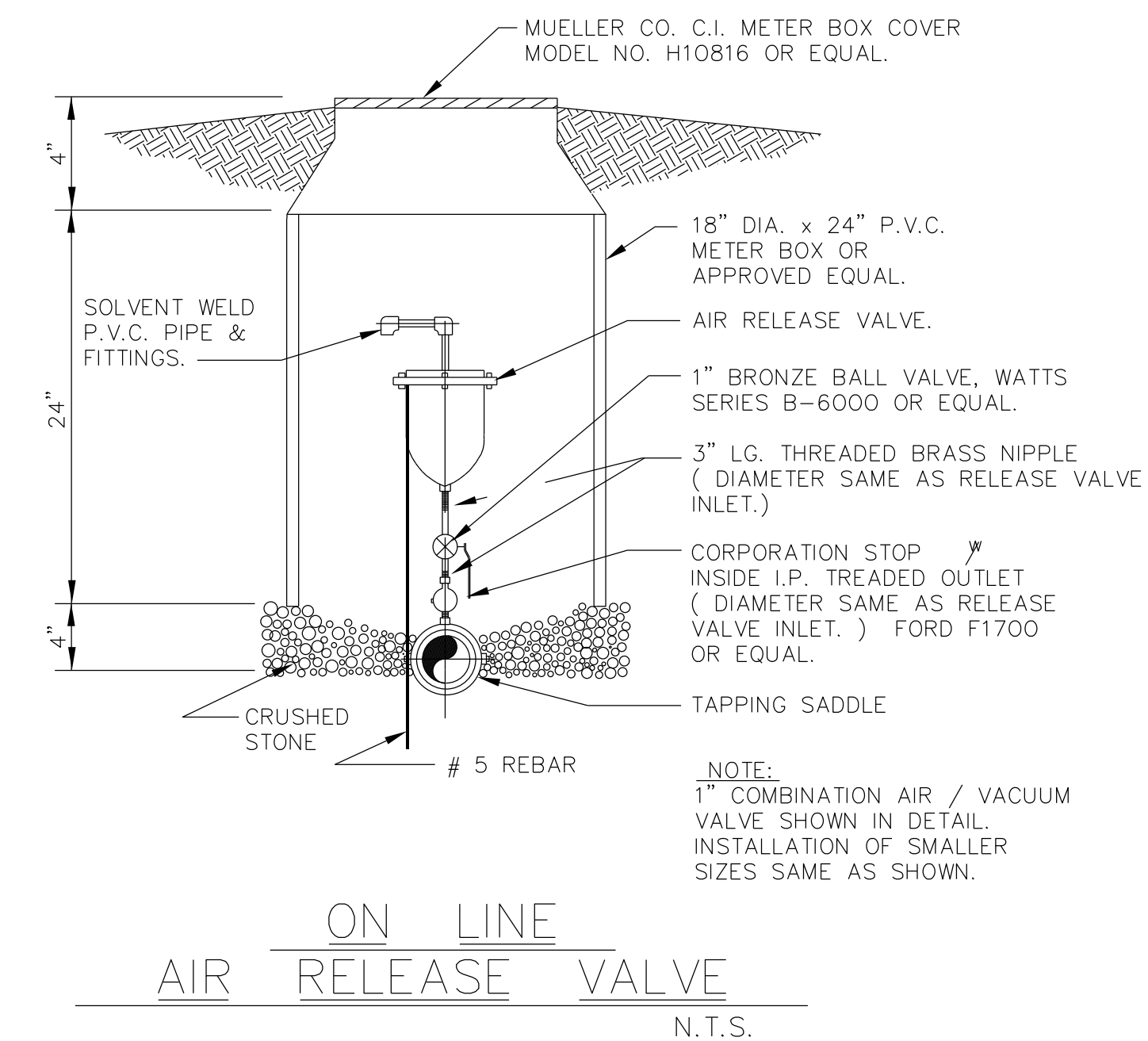
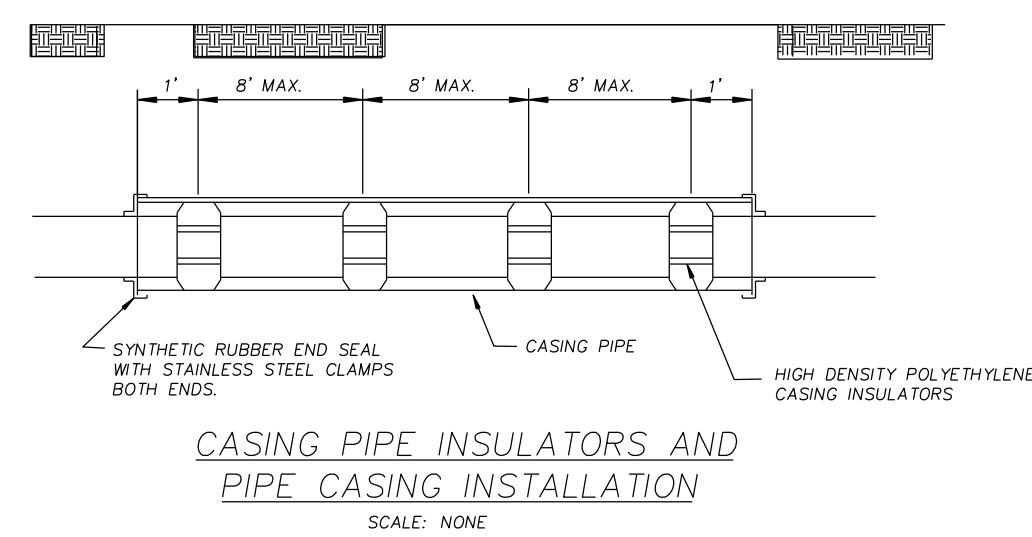
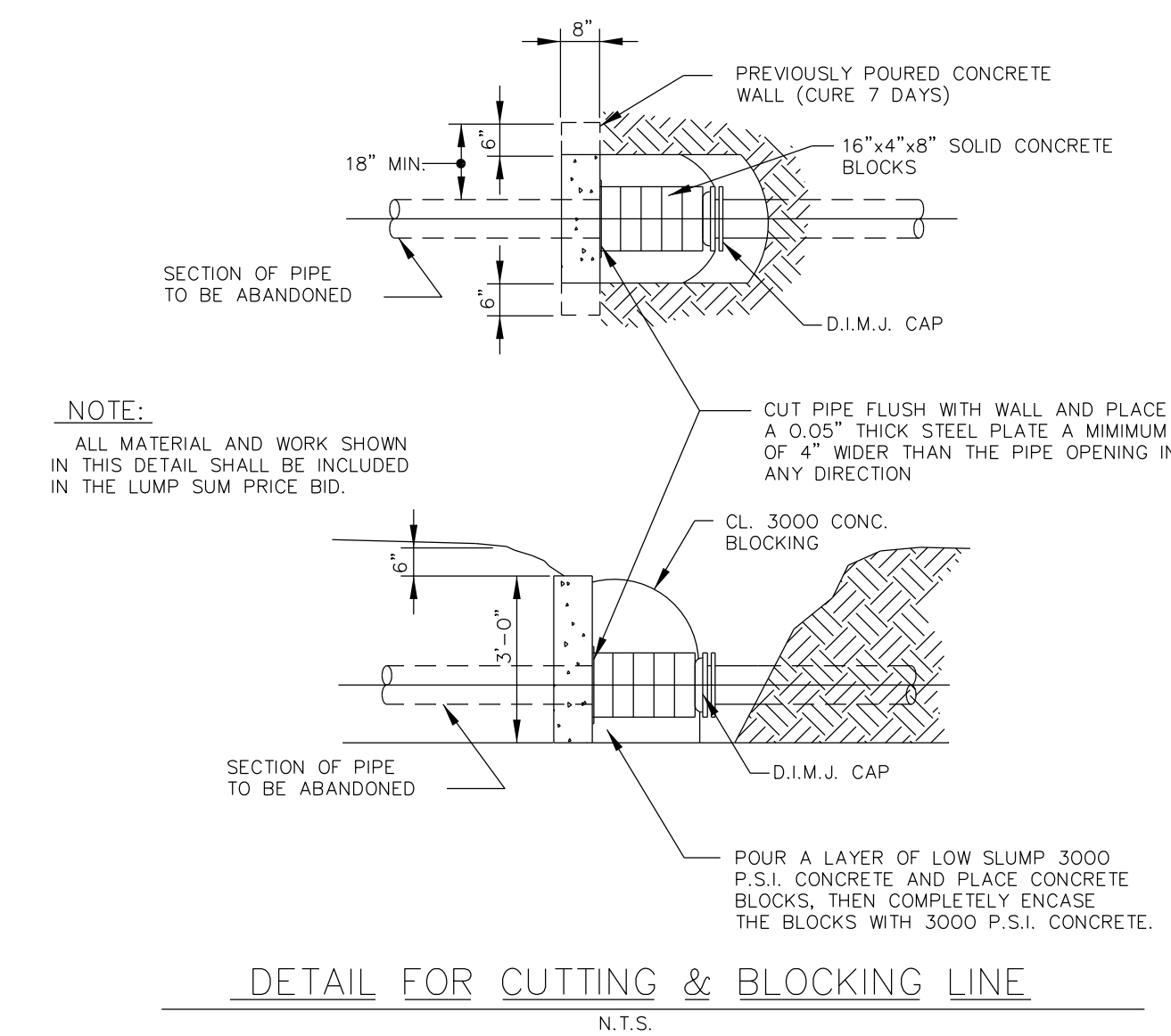
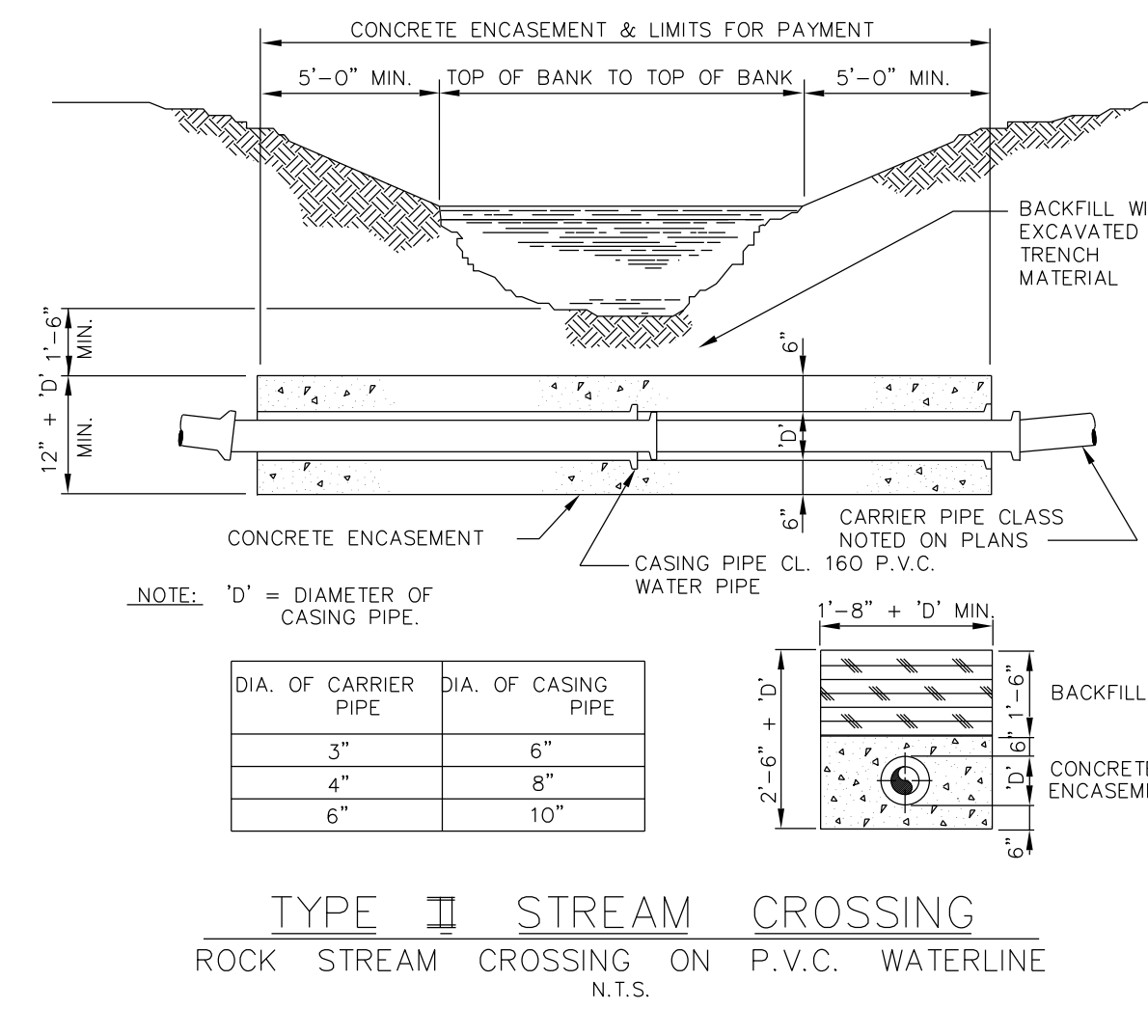
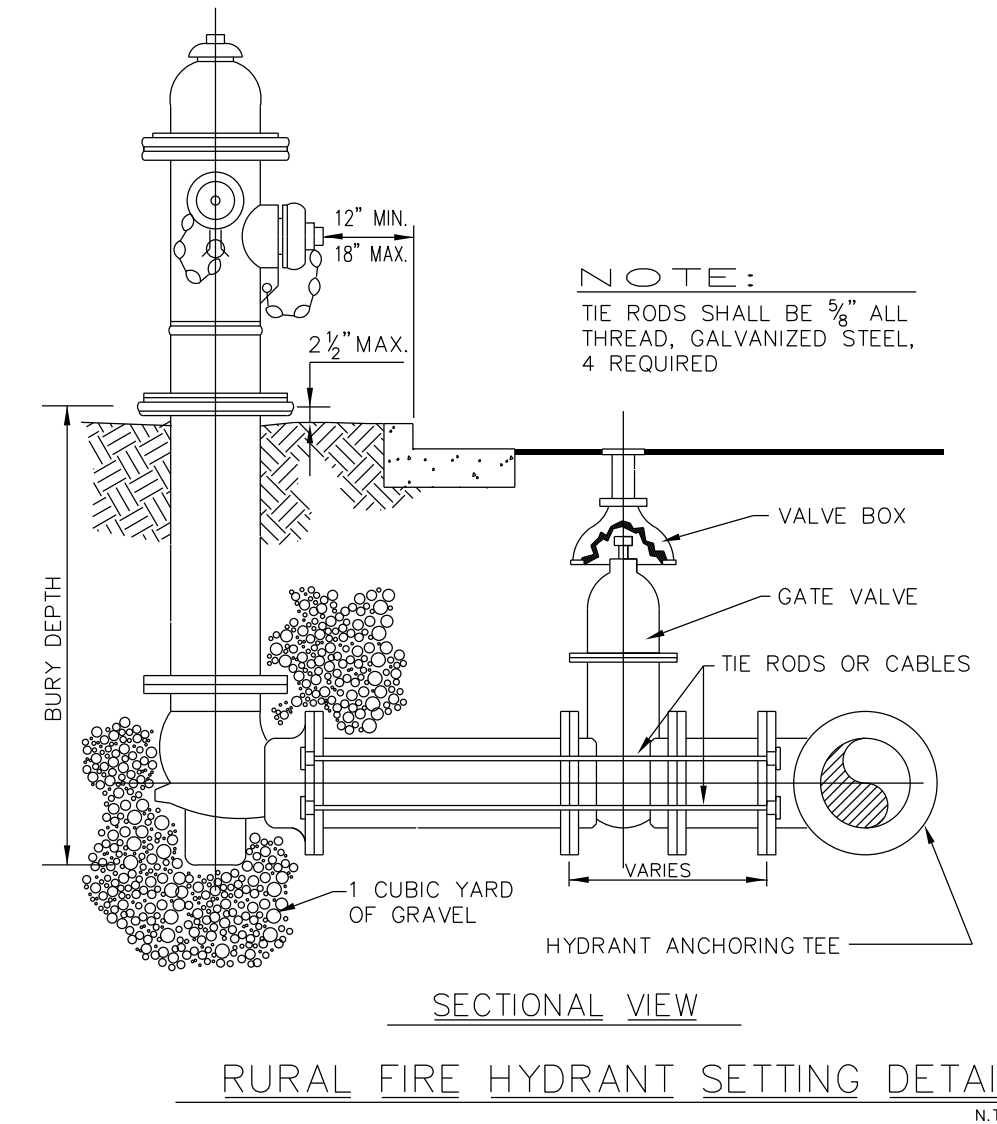


THRUST BLOCK SCHEDULE									
PIPE SIZE	90° BEND		45° BEND		22 1/2° BEND		11 1/4° BEND		TEE
	A	B	A	B	A	B	A	B	
4"	2'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	2'-0"	1'-4"
6"	2'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	2'-0"	1'-4"
8"	3'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	2'-0"	2'-0"
10"	3'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	2'-0"	2'-0"
12"	3'-0"	2'-0"	2'-0"	2'-0"	2'-0"	2'-0"	1'-0"	2'-0"	3'-0"

THRUST BLOCK DETAIL
N.T.S.



* WHEN INDIVIDUAL P.R.V.'s ARE REQUIRED A TANDUM COPPER SETTER AS SPECIFIED SHALL BE USED. METER BOX SHALL BE OF SUFFICIENT SIZE TO ACCOMMODATE P.R.V. & METER.

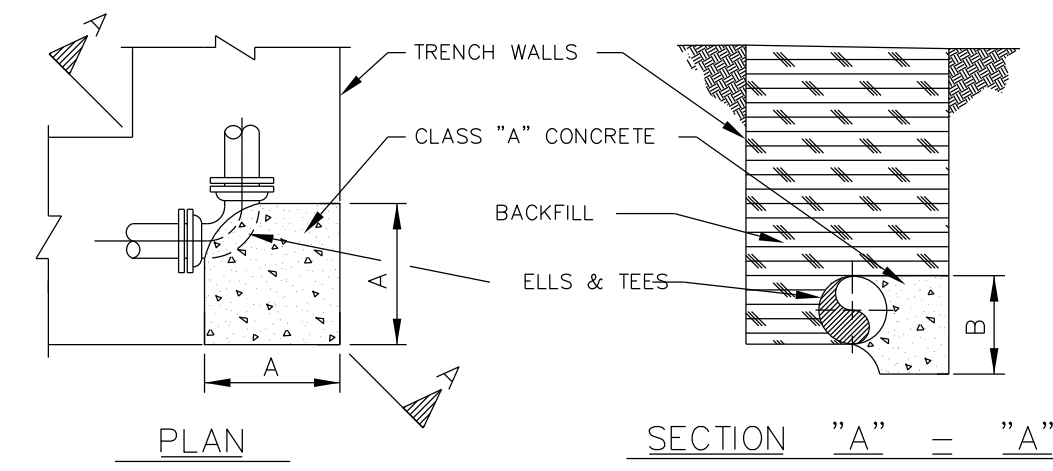
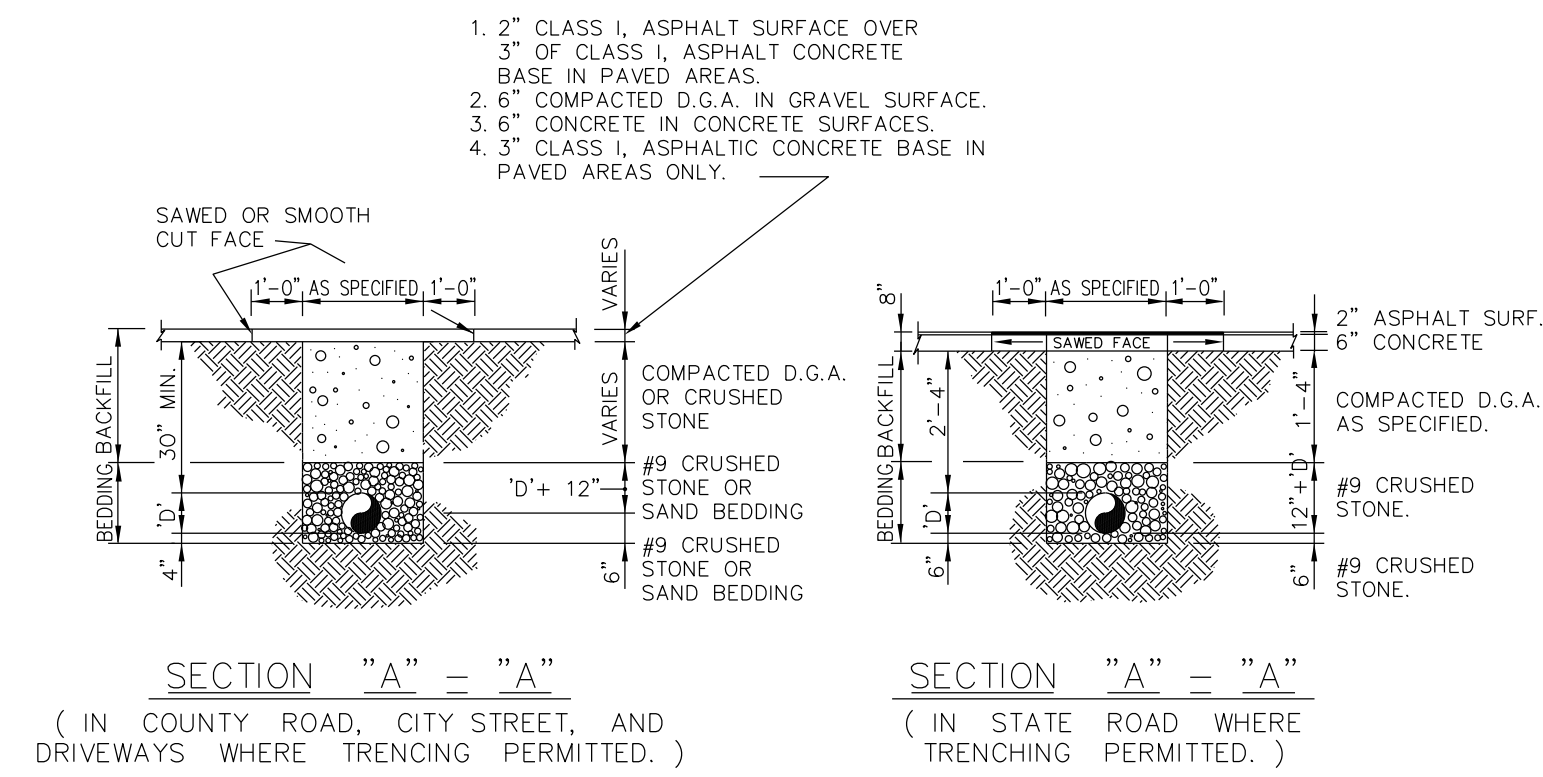
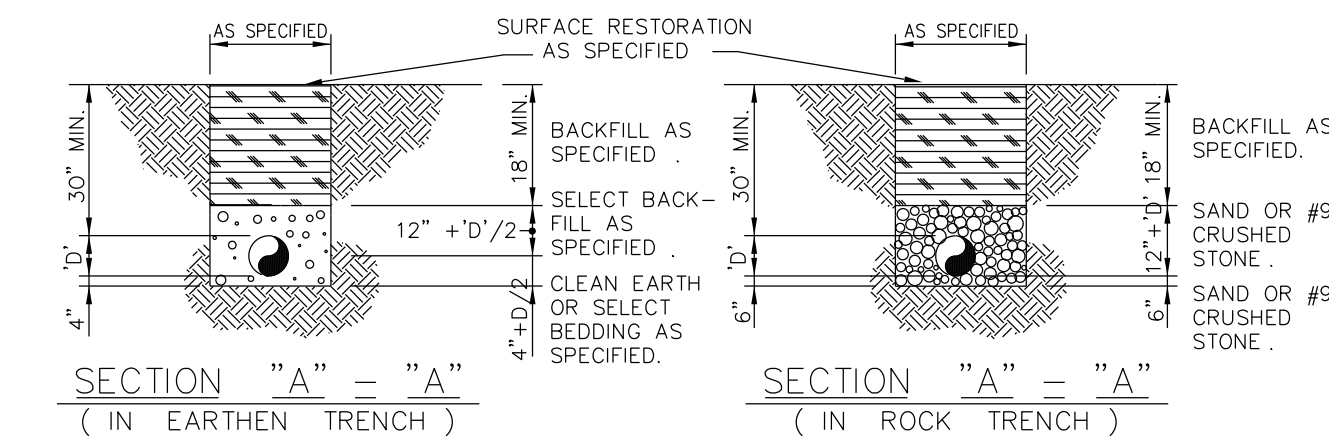
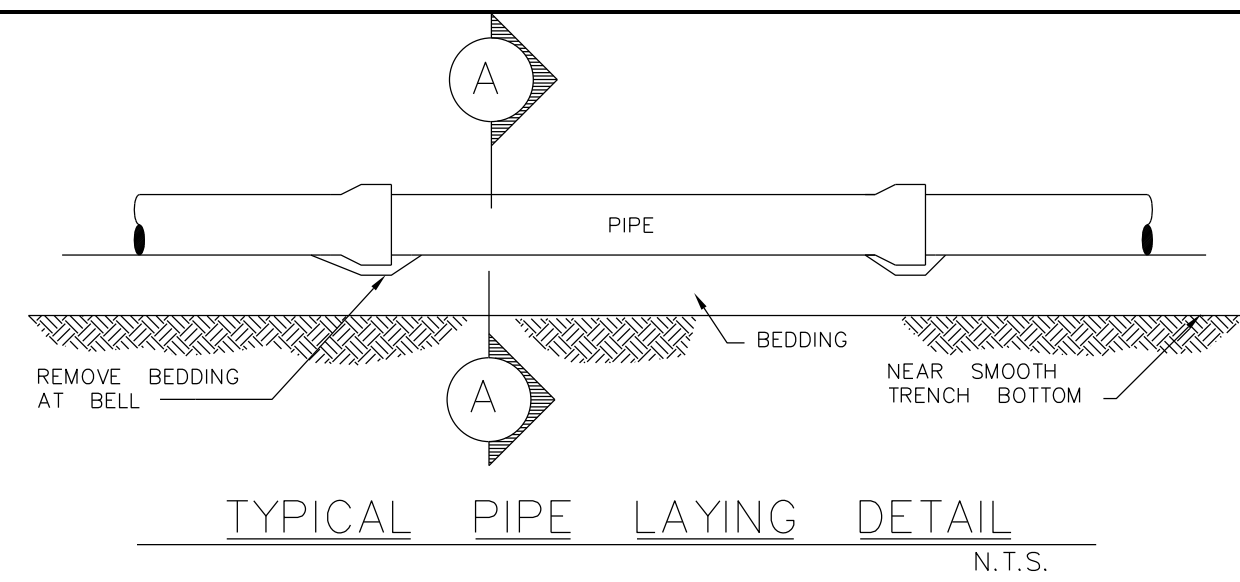


SCOTT CREEK MARINA
KY 801 TURNING LANES
MOREHEAD UTILITY PLANT BOARD
GASTINEAU AND ASSOCIATES, Inc.
104 Berkeley Estates, Nicholasville, KY

NO.	REVISION	CHK'D	APPR.	DATE					
					NO.	NO.	NO.	NO.	NO.

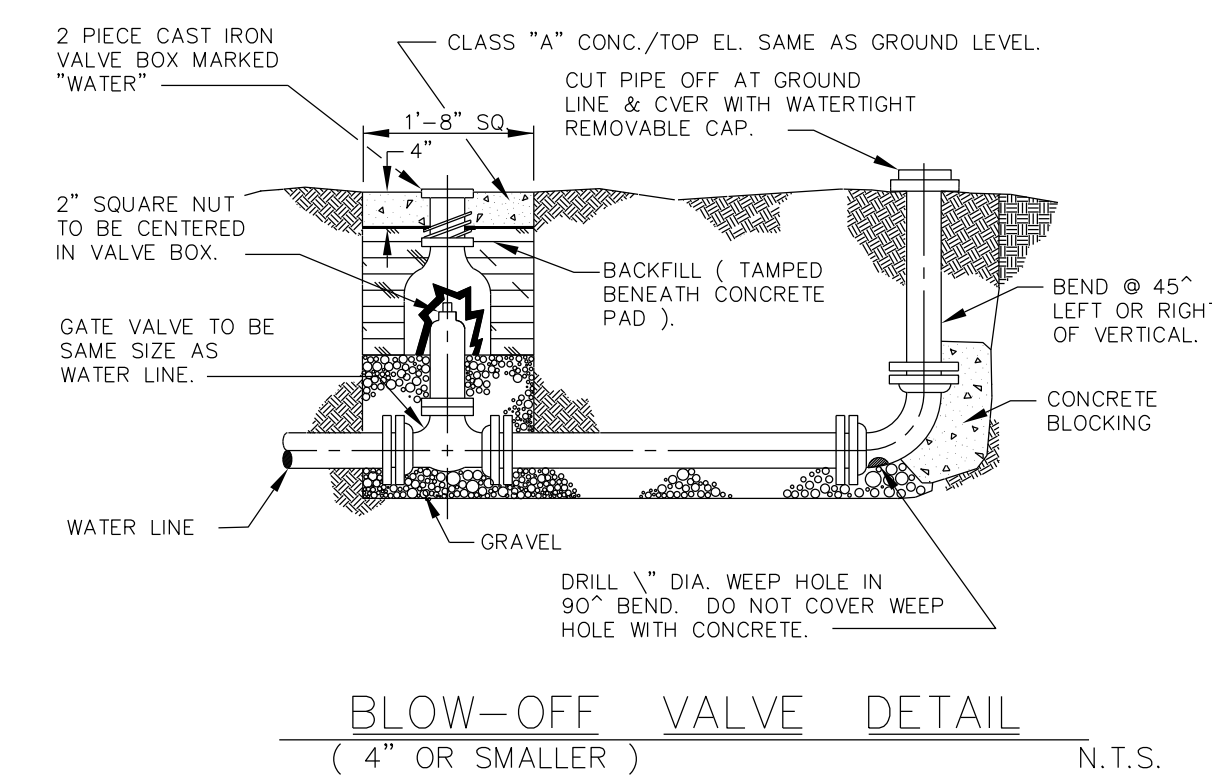
MISCELLANEOUS DETAILS

ACAD FILE: DETAILS
DRAWN BY: KSG
DATE: OCTOBER 2012
SCALE: AS NOTED
SHEET NO. 8 OF 8

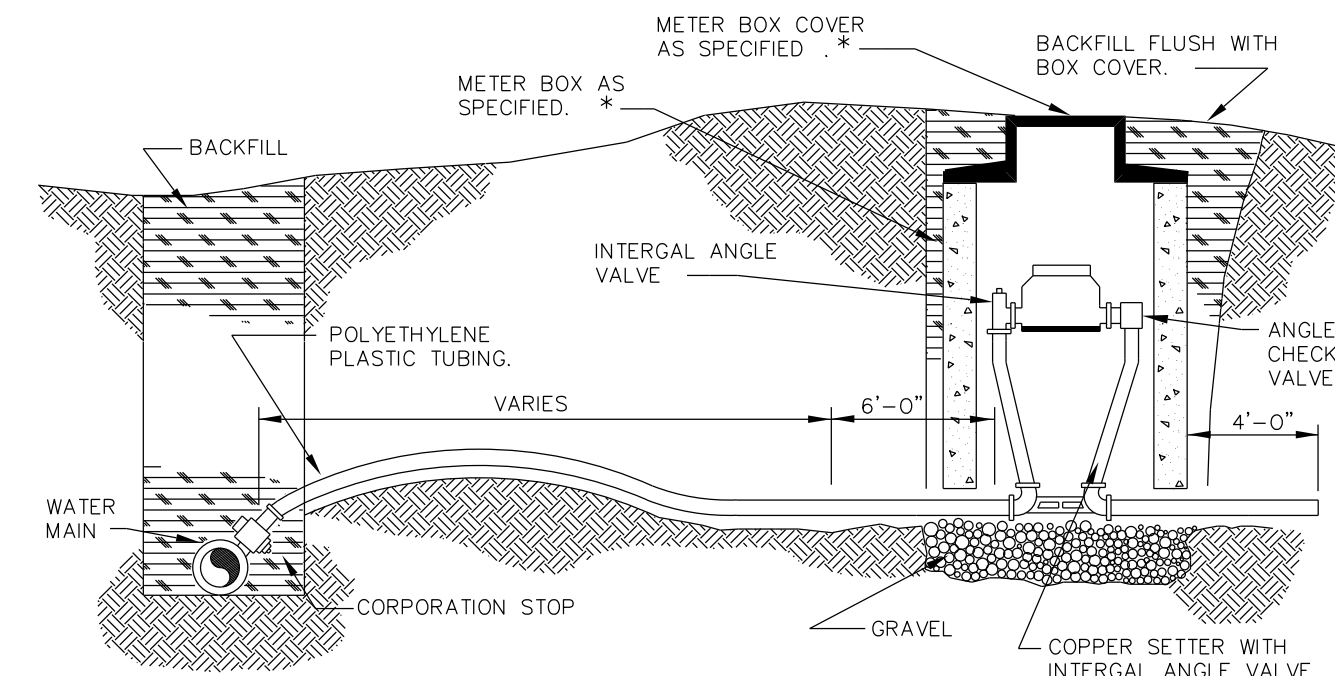


THRUST BLOCK SCHEDULE									
PIPE SIZE	90° BEND		45° BEND		22½° BEND		1½" BEND		TEE
	A	B	A	B	A	B	A	B	
4"	2'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	2'-0"	1'-4"
6"	2'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	2'-0"	1'-4"
8"	3'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	2'-0"	1'-4"
10"	3'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	2'-0"	1'-4"
12"	3'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	2'-0"	1'-4"

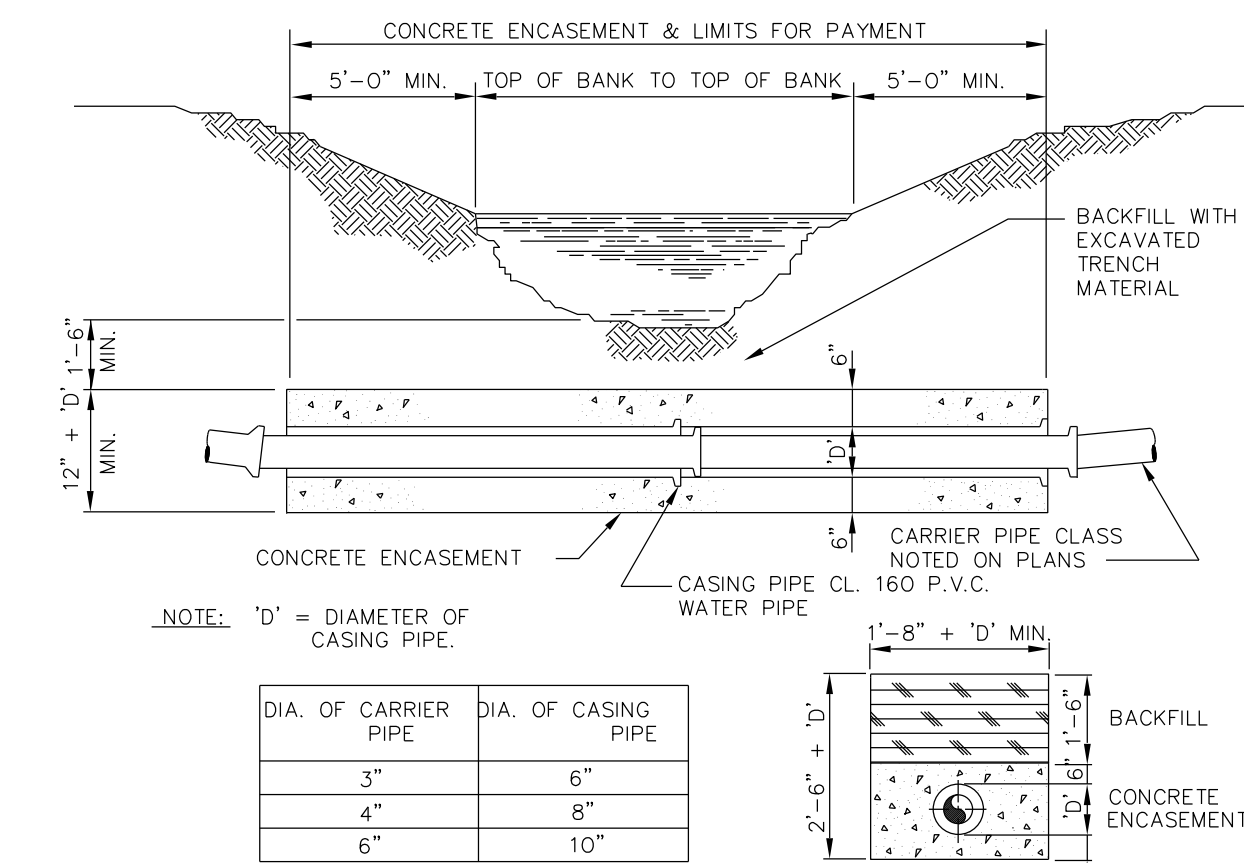
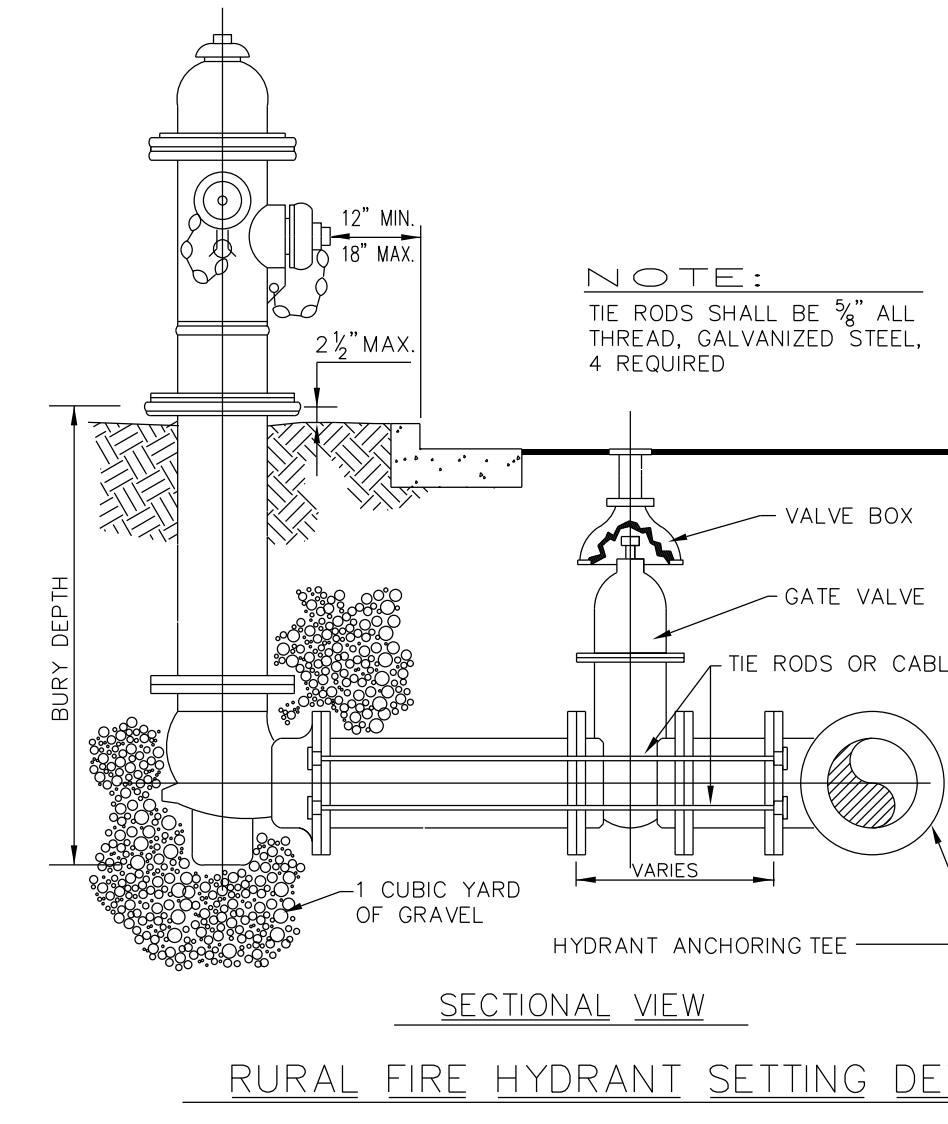
THRUST BLOCK DETAIL
N.T.S.



TYPICAL GATE VALVE SETTING
N.T.S.

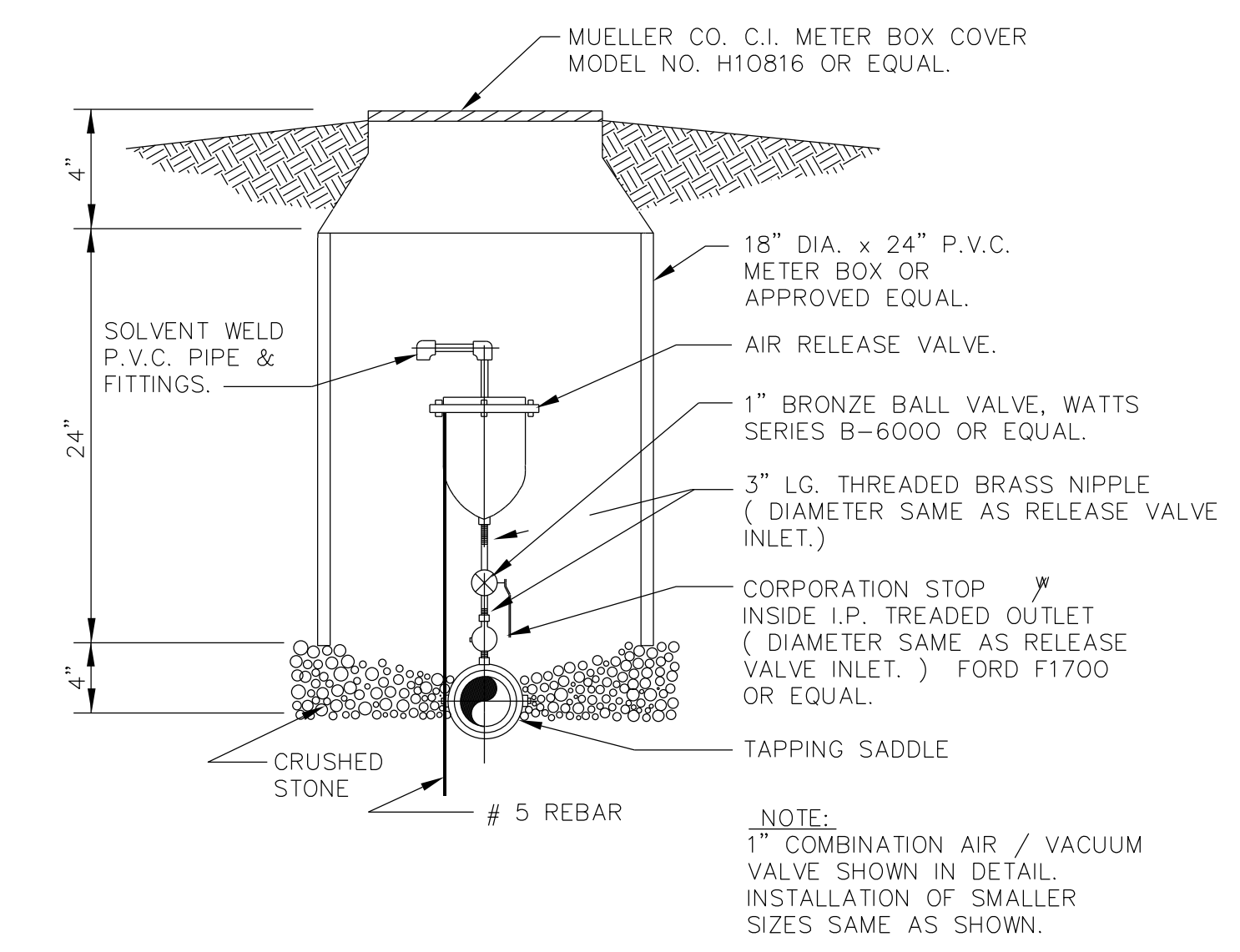
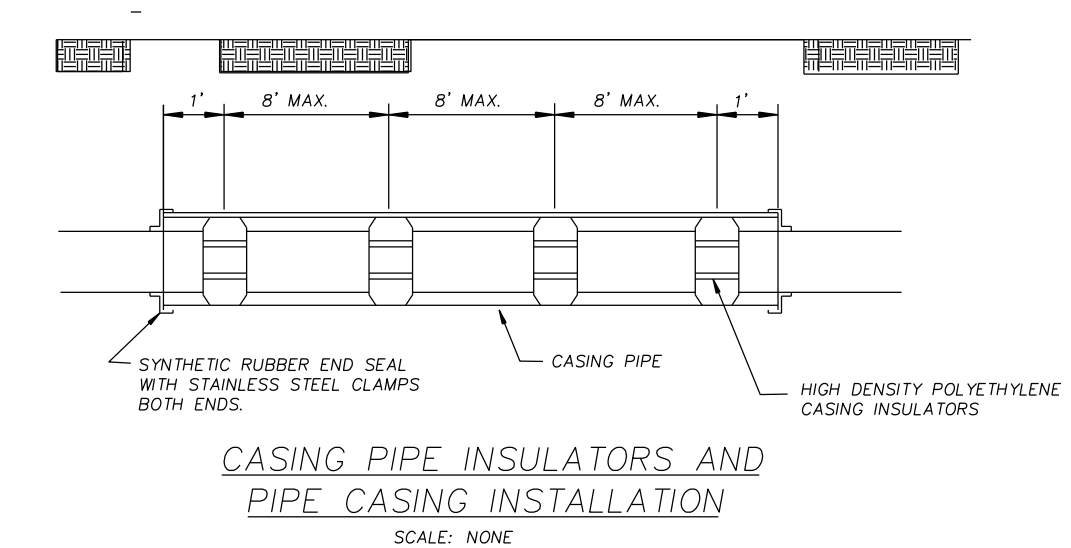
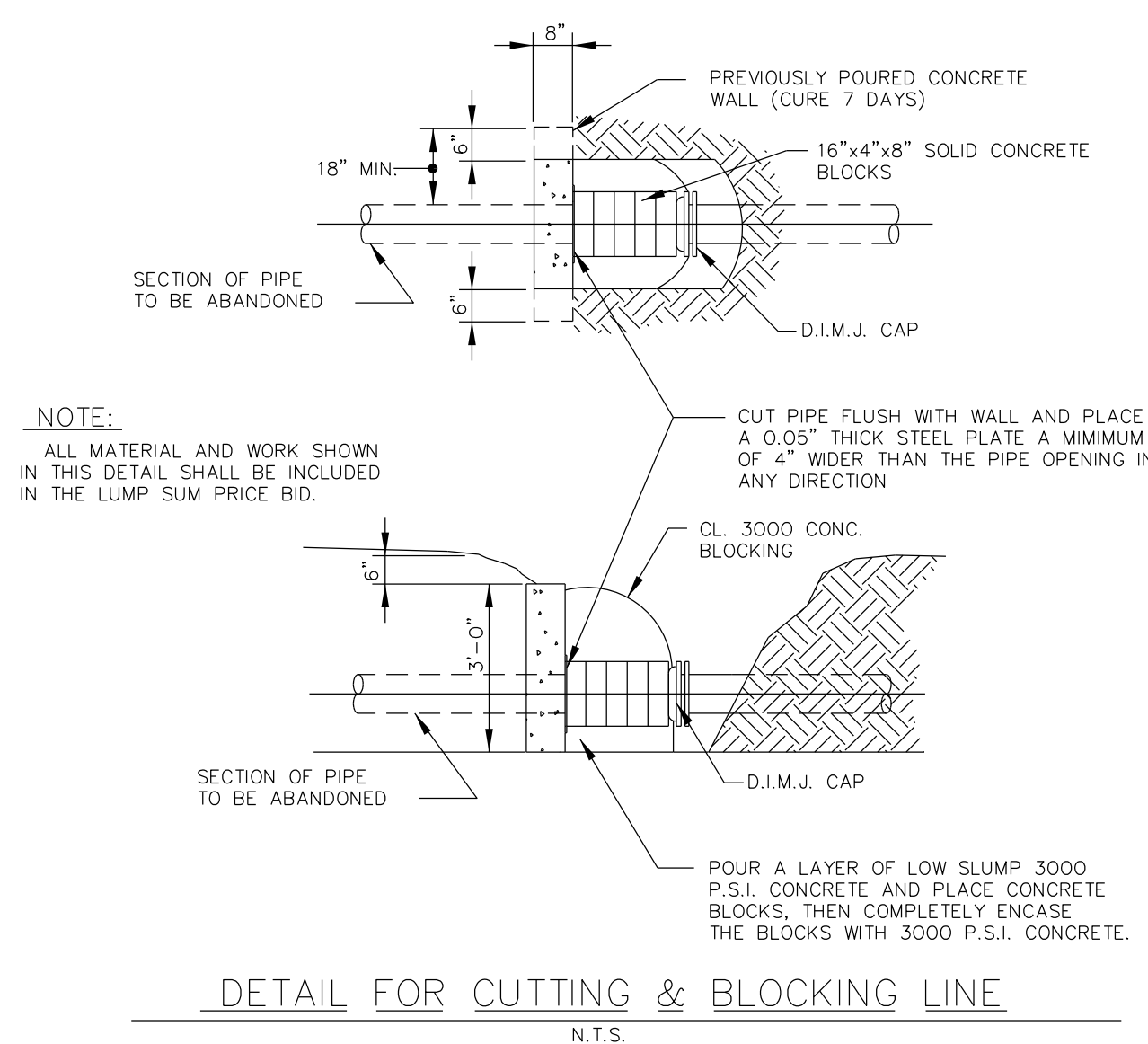


* WHEN INDIVIDUAL P.R.V.'s ARE REQUIRED A TANDUM COPPER SETTER AS SPECIFIED SHALL BE USED. METER BOX SHALL BE OF SUFFICIENT SIZE TO ACCOMMODATE P.R.V. & METER.



DIA. OF CARRIER PIPE	DIA. OF CASING PIPE
3"	6"
4"	8"
6"	10"

TYPE II STREAM CROSSING
ROCK STREAM CROSSING ON P.V.C. WATERLINE
N.T.S.



SCOTT CREEK MARINA
KY 801 TURNING LANES
MOREHEAD UTILITY PLANT BOARD
GASTINEAU AND ASSOCIATES, Inc.
104 Berkeley Estates, Nicholasville, KY

NO.	REVISION	CHK'D	APPR.	DATE

MISCELLANEOUS DETAILS

ACAD FILE: DETAILS
DRAWN BY: KSG
DATE: OCTOBER 2012
SCALE: AS NOTED
SHEET NO. 8 OF 8

SPECIAL NOTE FOR UTILITY SUBCONTRACTORS

The prime contractor must use one of the below listed utility subcontractors to perform the utility relocation included in this contract:

G&W Construction Company, Inc.
6730 Flemingsburg Road
Morehead, KY 40351

Thompson Brothers
3477 Ringos Mills Road
Hillsboro, KY 41049

Kenney, Inc.
105 Paris Road
Mt. Sterling, KY 40353

Packs'. Inc.
75 Baldrige Road
Morehead, KY 40351

Emmitt Caskey, Inc.
1716 Stamper Branch
Emerson, KY 41135

PROPOSAL BID ITEMS

Report Date 11/14/12

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0010	00001		DGA BASE	1,413.00	TON		\$	
0020	00003		CRUSHED STONE BASE	350.00	TON		\$	
0030	00190		LEVELING & WEDGING PG64-22	461.00	TON		\$	
0040	00221		CL2 ASPH BASE 0.75D PG64-22	1,568.00	TON		\$	
0050	00301		CL2 ASPH SURF 0.38D PG64-22	584.00	TON		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0060	01982		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	8.00	EACH		\$	
0070	02014		BARRICADE-TYPE III	6.00	EACH		\$	
0080	02159		TEMP DITCH	1,703.00	LF		\$	
0090	02200		ROADWAY EXCAVATION	3,575.00	CUYD		\$	
0100	02242		WATER	16.00	MGAL		\$	
0110	02351		GUARDRAIL-STEEL W BEAM-S FACE	672.00	LF		\$	
0120	02360		GUARDRAIL TERMINAL SECTION NO 1	2.00	EACH		\$	
0130	02483		CHANNEL LINING CLASS II	158.00	TON		\$	
0140	02545		CLEARING AND GRUBBING 6.42 ACRES	1.00	LS		\$	
0150	02562		SIGNS	25.00	SQFT		\$	
0160	02585		EDGE KEY	170.00	LF		\$	
0170	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0180	02651		DIVERSIONS (BY-PASS DETOURS)	1.00	LS		\$	
0190	02696		SHOULDER RUMBLE STRIPS-SAWED	3,400.00	LF		\$	
0200	02701		TEMP SILT FENCE	1,703.00	LF		\$	
0210	02703		SILT TRAP TYPE A	6.00	EACH		\$	
0220	02704		SILT TRAP TYPE B	6.00	EACH		\$	
0230	02705		SILT TRAP TYPE C	6.00	EACH		\$	
0240	02706		CLEAN SILT TRAP TYPE A	18.00	EACH		\$	
0250	02707		CLEAN SILT TRAP TYPE B	18.00	EACH		\$	
0260	02708		CLEAN SILT TRAP TYPE C	18.00	EACH		\$	
0270	02709		CLEAN TEMP SILT FENCE	5,109.00	LF		\$	
0280	02726		STAKING	1.00	LS		\$	
0290	05950		EROSION CONTROL BLANKET	1,101.00	SQYD		\$	
0300	05952		TEMP MULCH	5,316.00	SQYD		\$	
0310	05953		TEMP SEEDING AND PROTECTION	532.00	SQYD		\$	
0320	05966		TOPDRESSING FERTILIZER	1.61	TON		\$	
0330	05985		SEEDING AND PROTECTION	7,546.00	SQYD		\$	
0340	06510		PAVE STRIPING-TEMP PAINT-4 IN	13,600.00	LF		\$	
0350	06514		PAVE STRIPING-PERM PAINT-4 IN	8,650.00	LF		\$	
0360	06568		PAVE MARKING-THERMO STOP BAR-24IN (REVISED: 10-31-12)	35.00	LF		\$	
0370	06574		PAVE MARKING-THERMO CURV ARROW	15.00	EACH		\$	
0380	21289ED		LONGITUDINAL EDGE KEY	1,700.00	LF		\$	
0390	24037EC		USFS SIGNRELOCATE	2.00	EACH		\$	

PROPOSAL BID ITEMS

Report Date 11/14/12

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0400	00462		CULVERT PIPE-18 IN(REVISED: 10-31-12)	28.00	LF		\$	
0410	00464		CULVERT PIPE-24 IN(REVISED: 10-31-12)	52.00	LF		\$	
0420	01643		JUNCTION BOX-24 IN(ADDED: 10-31-12)	1.00	EACH		\$	
0430	02599		FABRIC-GEOTEXTILE TYPE IV	500.00	SQYD		\$	
0440	02600		FABRIC GEOTEXTILE TY IV FOR PIPE	192.00	SQYD		\$	
0450	08100		CONCRETE-CLASS A(REVISED: 10-31-12)	4.56	CUYD		\$	
0460	08150		STEEL REINFORCEMENT(REVISED: 10-31-12)	32.00	LB		\$	
0470	23131ER701		PIPELINE VIDEO INSPECTION	52.00	LF		\$	

PROPOSAL BID ITEMS

Report Date 11/14/12

Section: 0004 - WATERLINE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0480	03361		COPPER PIPE-1 IN(ADDED: 11-14-12)	140.00	LF		\$	
0490	03372		PLASTIC PIPE-2 IN2" PE SERVICE LINE; (ADDED: 11-14-12)	120.00	LF		\$	
0500	03383		PVC PIPE-4 IN(ADDED: 11-14-12)	92.00	LF		\$	
0510	03385		PVC PIPE-6 IN(ADDED: 11-14-12)	892.00	LF		\$	
0520	03389		PVC PIPE-10 IN(ADDED: 11-14-12)	735.00	LF		\$	
0530	03437		RECONNECT SERVICERECONNECT NEW SERVICE LINE TO METER; (ADDED: 11-14-12)	2.00	EACH		\$	
0540	03438		RECONNECT TO MAINRECONNECT NEW 4" PVC TO EXIST. 4"; (ADDED: 11-14-12)	1.00	EACH		\$	
0550	03442		DUCTILE IRON FITTINGS10"X6" DIMJ TEE; (ADDED: 11-14-12)	170.00	LB		\$	
0560	03442		DUCTILE IRON FITTINGS10" DIMJ 45 BEND; (ADDED: 11-14-12)	350.00	LB		\$	
0570	03442		DUCTILE IRON FITTINGS6" DIMJ TEE; (ADDED: 11-14-12)	150.00	LB		\$	
0580	03442		DUCTILE IRON FITTINGS10"X6" DIMJ REDUCER; (ADDED: 11-14-12)	190.00	LB		\$	
0590	03442		DUCTILE IRON FITTINGS6" DIMJ 90 BEND; (ADDED: 11-14-12)	150.00	LB		\$	
0600	03442		DUCTILE IRON FITTINGS6"X2" DIMJ TEE; (ADDED: 11-14-12)	150.00	LB		\$	
0610	03522		GATE VALVE-2 IN(ADDED: 11-14-12)	1.00	EACH		\$	
0620	03524		GATE VALVE-4 IN(ADDED: 11-14-12)	2.00	EACH		\$	
0630	03526		GATE VALVE-6 IN(ADDED: 11-14-12)	1.00	EACH		\$	
0640	03551		TAPPING SLEEVE & VALVE10 INCH; (ADDED: 11-14-12)	1.00	EACH		\$	
0650	20156EC		FIRE HYDRANT ASSEMBLY(ADDED: 11-14-12)	2.00	EACH		\$	
0660	20169EC		RECONNECT METER2" RECONNECT TO SERVICE LINE; (ADDED: 11-14-12)	1.00	EACH		\$	
0670	20211ES706		BORE & JACK PIPE12 IN. STEEL ENCASEMENT; (ADDED: 11-14-12)	32.00	LF		\$	
0680	20211ES706		BORE & JACK PIPE4 IN. STEEL ENCASEMENT; (ADDED: 11-14-12)	154.00	LF		\$	
0690	20890ND		CUT AND CAP 10 IN(ADDED: 11-14-12)	1.00	EACH		\$	
0700	21399ED		BORE AND JACK PIPE-16 INSTEEL ENCASEMENT; (ADDED: 11-14-12)	44.00	LF		\$	
0710	22012NN		CUT AND CAP WATERLINE6"; (ADDED: 11-14-12)	1.00	EACH		\$	
0720	22082NN		AIR RELEASE VALVE ASSEMBLY(ADDED: 11-14-12)	3.00	EACH		\$	
0730	22866NN		WATER METER5/8"X3/4" CUSTOMER SERVICE METER; (ADDED: 11-14-12)	2.00	EACH		\$	
0740	22866NN		WATER METER2" CUSTOMER SERVICE METER; (ADDED: 11-14-12)	2.00	EACH		\$	
0750	23294EC		TIE-TIE-IN DETAIL; (ADDED: 11-14-12)	1.00	LS		\$	
0760	23596EC		TAPPING SLEEVE AND VALVE-6 IN(ADDED: 11-14-12)	1.00	EACH		\$	
0770	24078EC		WATER MASTER METER AND PIT(ADDED: 11-14-12)	1.00	EACH		\$	

PROPOSAL BID ITEMS

Report Date 11/14/12

Section: 0005 - DEMOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0780	02569		DEMOBILIZATION	1.00	LS		\$	