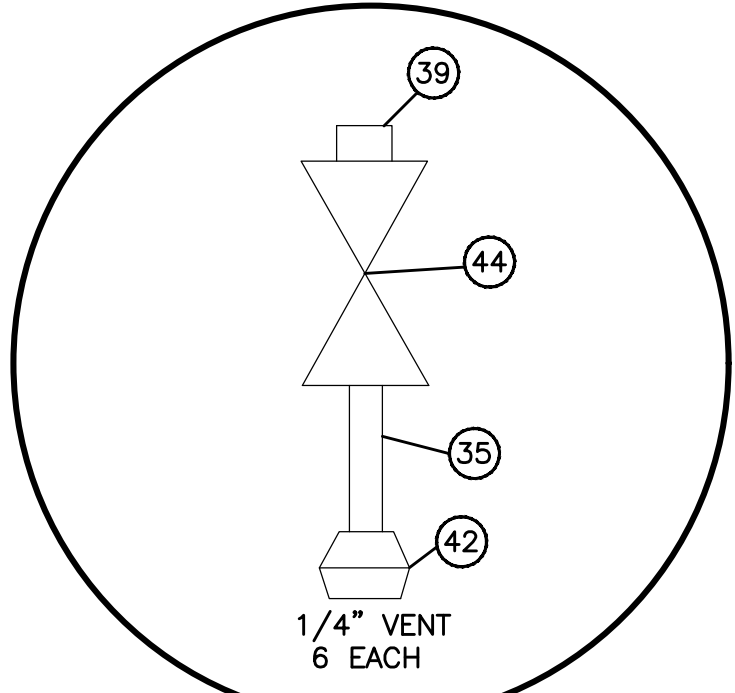
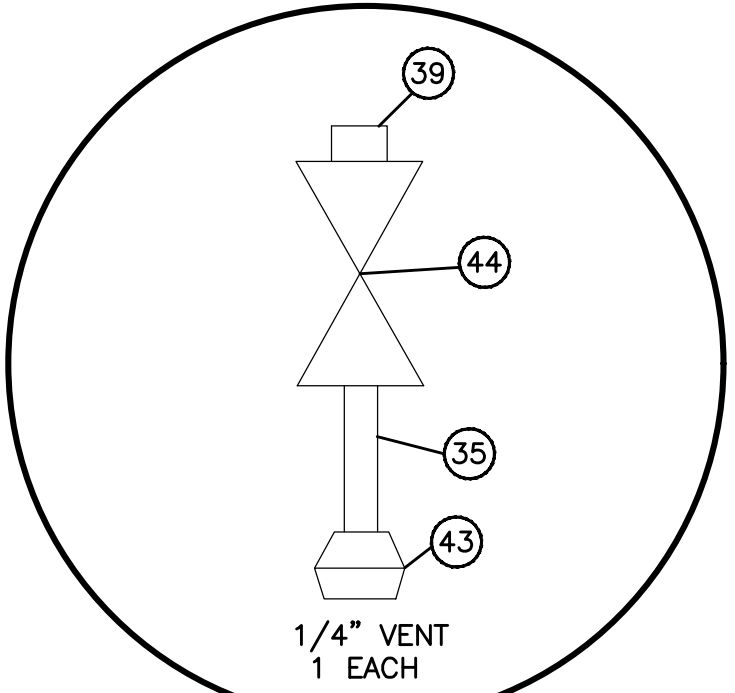


C:\USERS\MATT SMITH\DESKTOP\4TH AVE DESIGN\INSERT & STATION.DWG

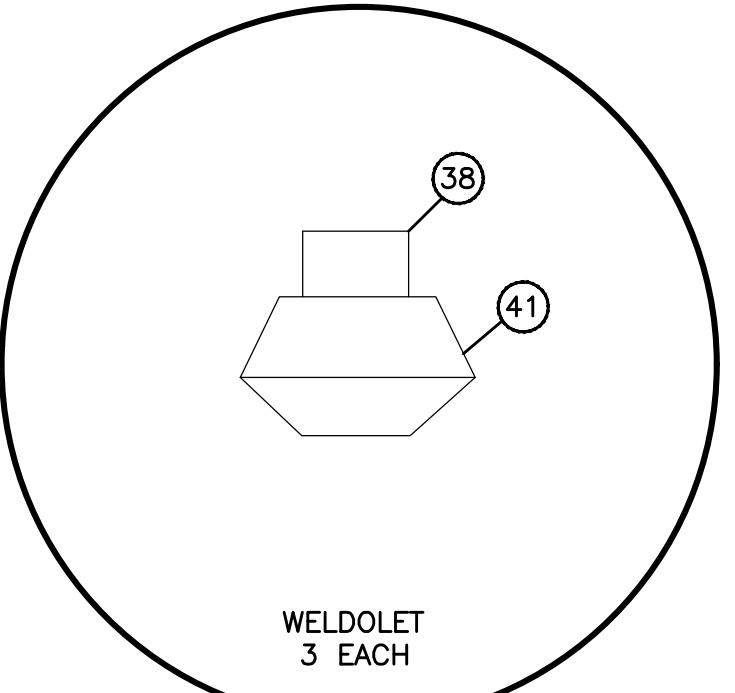
MATERIAL LIST			
PROJECT NAME			
Item	Qty	Description	PART I.D.
30	4	ELL WELD 90 LR 4" 0.237W GRB SA234WPB	
31	1	FILTER GAS 4" 150 PSI	
32	2	FLANGE WN 4" ANSI 150 FF .237W B16.5 SA105 GRB	
33	10	FLANGE WN 4" ANSI 150 RF .237W B16.5 SA105 GRB	
34	2	FLANGE WN 2" ANSI 150 RF .218W B16.5 SA105 GRB	
35	7	NIPPLE PIPE 1/4 X 3" XS A106 GRB SMLS TBE	
36	6'	PIPE STL 2-3/8 .218W API5L X42 BARE	
37	20'	PIPE STL 4-1/2 .237W API5L X42 BARE	
38	3	PLUG PIPE STL 1" HEX HD 2000-6000# SA105	
39	7	PLUG PIPE STL 1/4" HEX HD 2000-6000# SA 105	
40	2	REDUCER PLA 6" X 4" SDR13.5, PE-2406 BF	
41	3	THREDOLET 1" 3000# SA105, FITS 4" TO 5" PIPE	
42	6	THREDOLET 1/4" X 3" TO 36" STANDARD PIPE	
43	1	THREDOLET 1/4" X 2" STANDARD PIPE	
44	7	VALVE BALL SCREW 1/4 600# WOG BRONZE MINSTD PORT w/HANDLE	
45	1	VALVE GATE FLANGED 2 150 ANSI 275#WOG RF STEEL NRS	
46	2	VALVE GATE FLANGED 4 ANSI 275# WOG RF NRS	
47	1	16M ROTARY METER w/INSTRUMENT DRIVE AND CORRECTOR	
48	2	TEE WELD 4" X 2" .237W X .218W GRB SA234WPB	
49	12'	4" PLASTIC PIPE, PE-2406, SDR 13.5	
50	2	4" S-711 COUPLER	
51	2	4" STIFFNER	



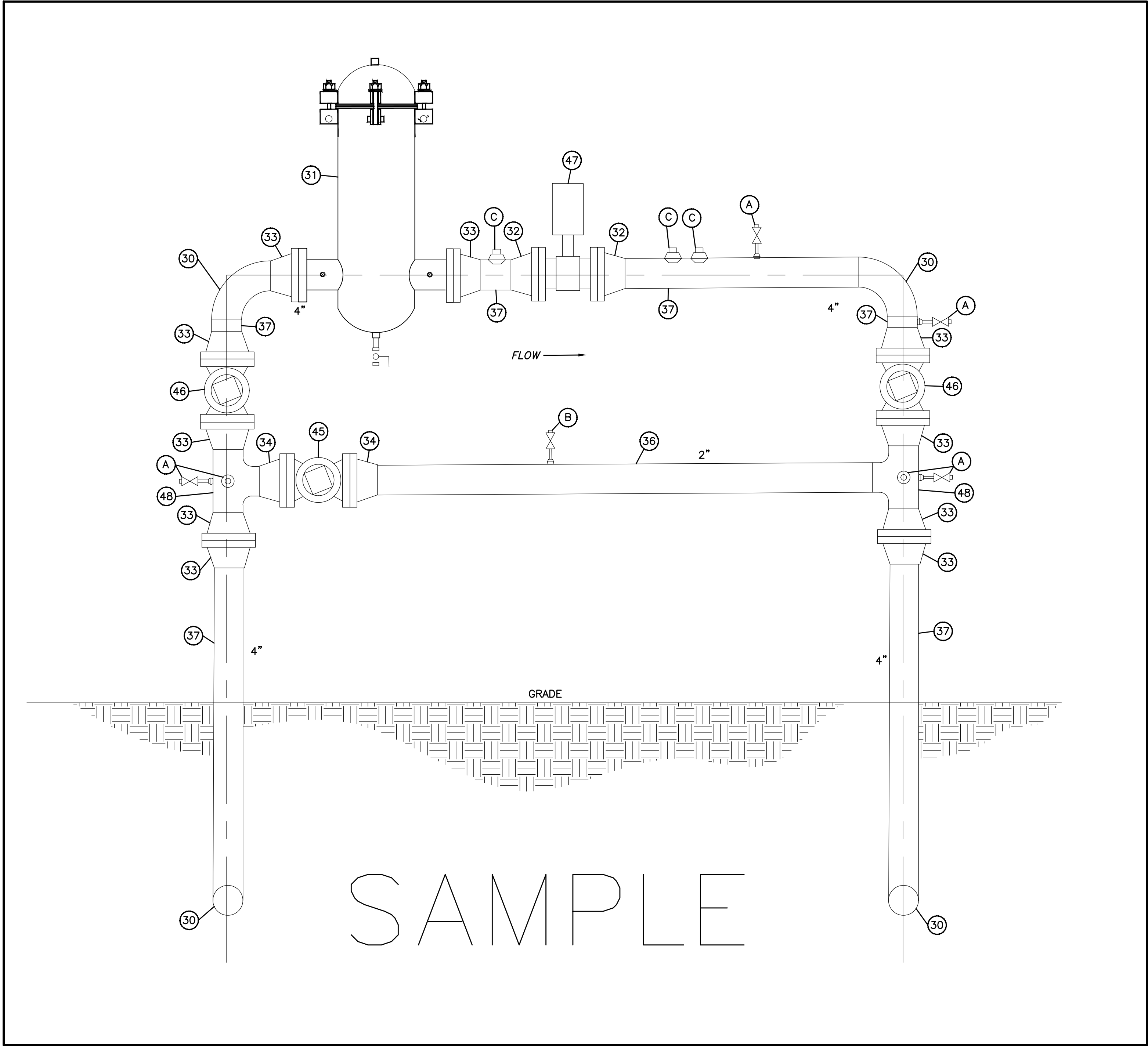
DETAIL A
(N.T.S.)



DETAIL B
(N.T.S.)



DETAIL C
(N.T.S.)



SECTION X-X
(N.T.S.)

- NOTES:
- LOCATION OF EXISTING UNDERGROUND UTILITIES IS BASED ON XXXXXXXXXXXXXXXXXXXX RECORDS AND INFORMATION SUPPLIED BY OTHER UTILITIES VIA THE PENNSYLVANIA ONE CALL SYSTEM. KEYSTONE SURVEY & MAPPING, INC. DOES NOT WARRANT OR GUARANTEE THE ACCURACY OF THE INFORMATION SHOWN. IT IS THE CONTRACTORS' RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO THE START OF EXCAVATION.

LEGEND

	EXISTING GAS MAIN
	PROPOSED GAS MAIN
	ABANDONED GAS MAIN
	EXISTING ROADWAY
	EXISTING CENTERLINE
	EXISTING BUILDING
	PROPERTY LINE
	EXISTING GUIDERAIL
	EXISTING CULVERT
	VALVE
	COUPLING
	TEE
	REDUCER
	VERTICLE 90° ELBOW
	90° ELBOW
	SERVICE
	ANODE
	MARKER BALL
	STORM DRAIN
	UTILITY POLE
	SANITARY MANHOLE
	WATER BOX
	FIRE HYDRANT
	LOCATOR BOX W/WIRE
	LINE MARKER

SERVICE NOTIFICATION NO.:	MAP SQUARE:
MAINLINE NOTIFICATION NO.:	MAP ID NO.:
MAINLINE WORK ORDER NO.:	MUNICIPALITY:
SERVICE WORK ORDER NO.:	COUNTY:
CONSTRUCTION MEASURE NO.:	



Know what's below.
Call before you dig.

PENNSYLVANIA ONE CALL SYSTEM, INC.

CALL "PENNSYLVANIA ONE CALL SYSTEM, INC." AT 1-800-242-1776 OR 811 AT LEAST 3 BUSINESS DAYS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDER GROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. THE EXCAVATOR IS RESPONSIBLE FOR COMPLIANCE WITH REQUIREMENTS OF LOCAL CODES AND REGULATIONS.

NOT TO SCALE

PLAN VIEW

SCALE IN FEET

0 0 0

REVISIONS		
NO.	DESCRIPTION	DATE
A	SAMPLE PROJECT	--/--/---



KEYSTONE SURVEYING & MAPPING INC.

7500 BROOKTREE ROAD, SUITE 212

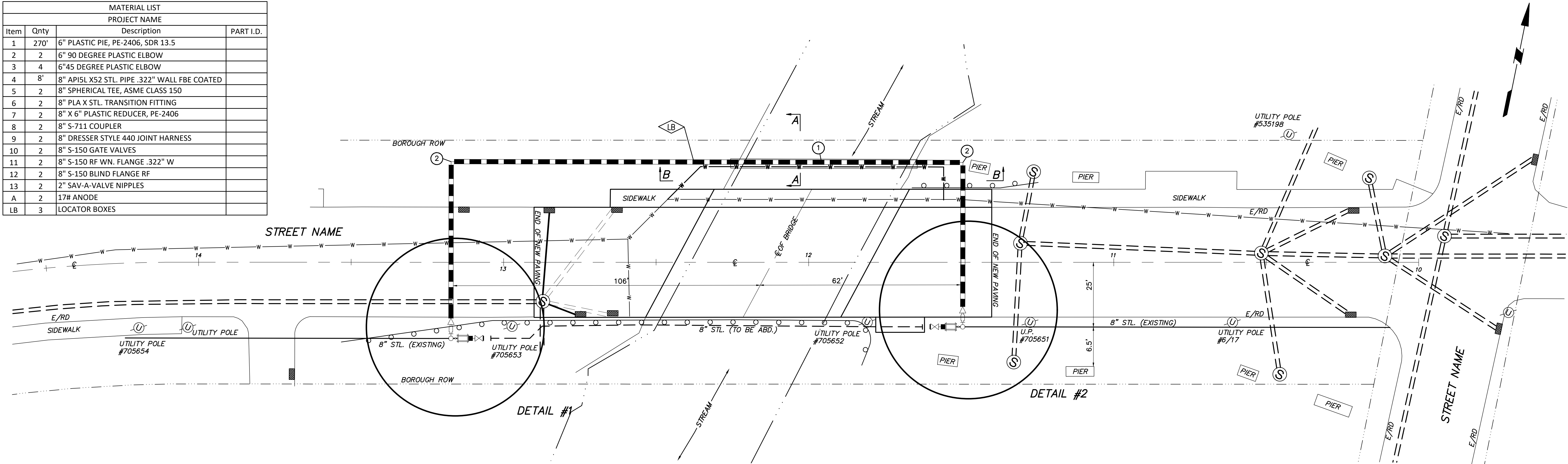
WEXFORD, PA 15090

OFFICE (724) 934-6350

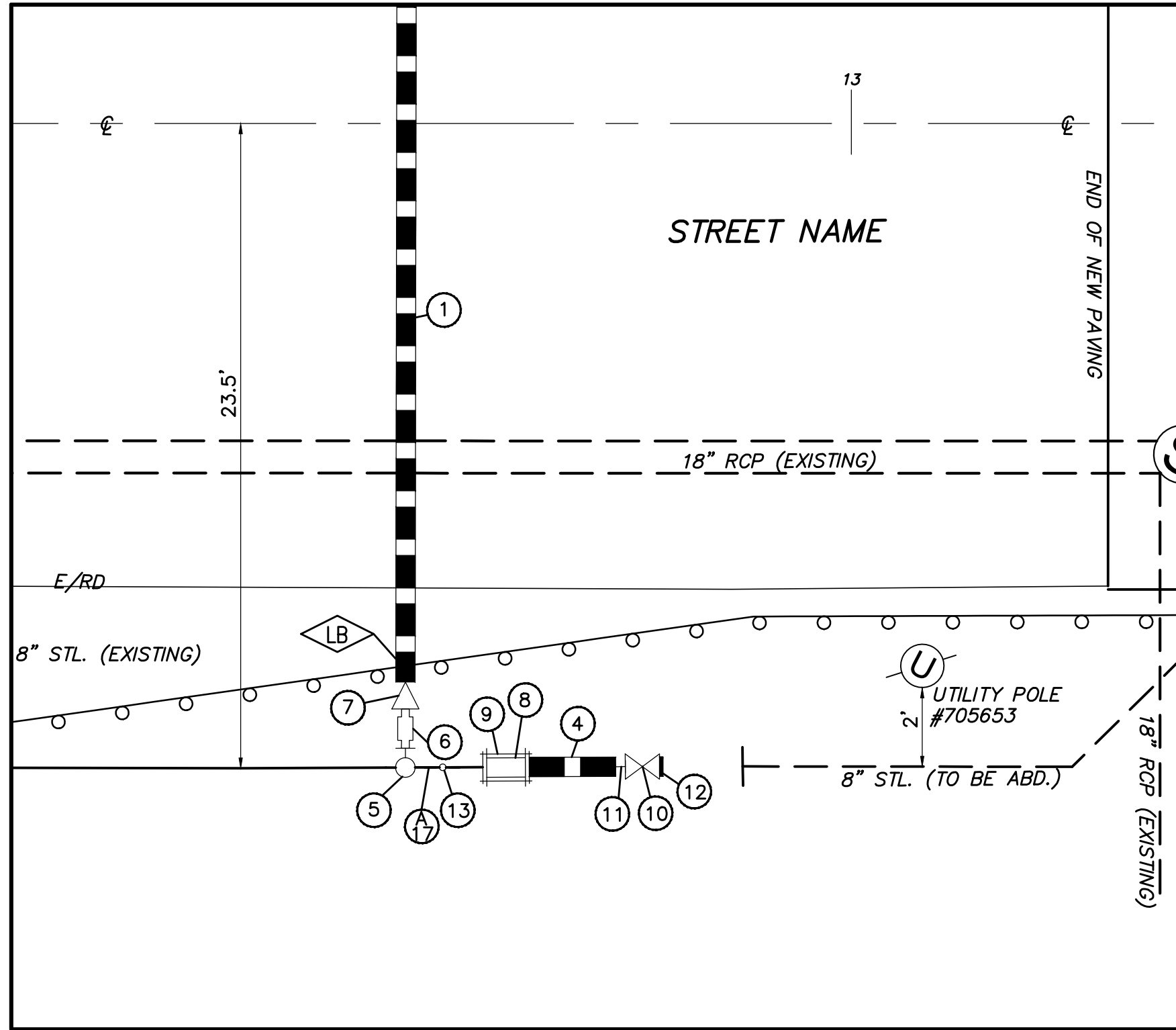
CLIENT
NAME

PROJECT:	SAMPLE PROJECT 60 PSIG PRESSURE 16C ROTARY METER	KSM REFERENCE ID.: SAMPLE
		DATE: ____/____/____
DRAWING TITLE:	METERING STATION	DRN. BY: XXX
		CHECKED BY: XXX
		4 OF 4

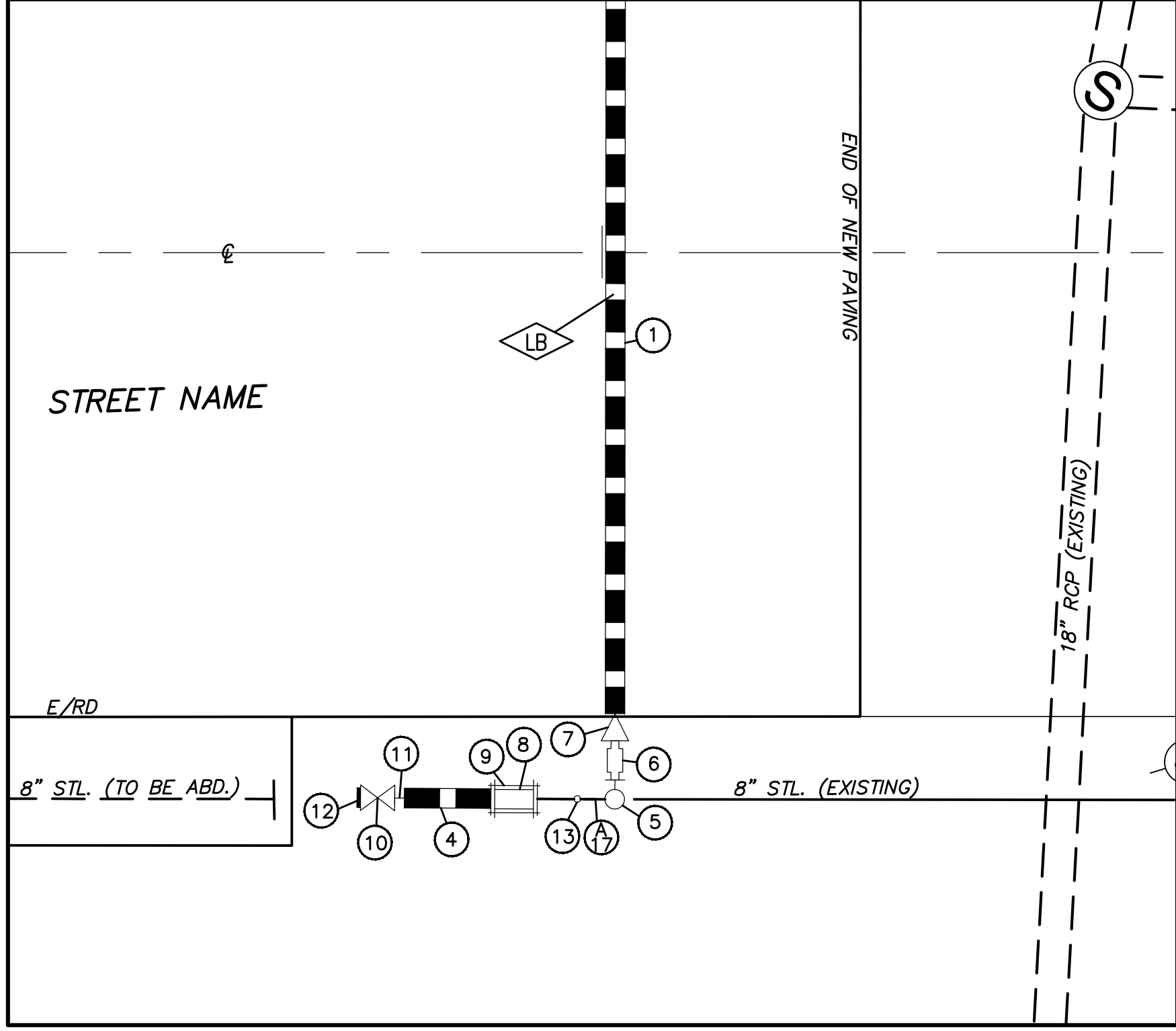
MATERIAL LIST			
PROJECT NAME			
Item	Qty	Description	PART I.D.
1	270'	6" PLASTIC PIPE, PE-2406, SDR 13.5	
2	2	6" 90 DEGREE PLASTIC ELBOW	
3	4	6"45 DEGREE PLASTIC ELBOW	
4	8'	8" APISL X52 STL. PIPE .322" WALL FBE COATED	
5	2	8" SPHERICAL TEE, ASME CLASS 150	
6	2	8" PLA X STL. TRANSITION FITTING	
7	2	8" X 6" PLASTIC REDUCER, PE-2406	
8	2	8" S-711 COUPLER	
9	2	8" DRESSER STYLE 440 JOINT HARNESS	
10	2	8" S-150 GATE VALVES	
11	2	8" S-150 RF WN. FLANGE .322" W	
12	2	8" S-150 BLIND FLANGE RF	
13	2	2" SAV-A-VALVE NIPPLES	
A	2	17# ANODE	
LB	3	LOCATOR BOXES	



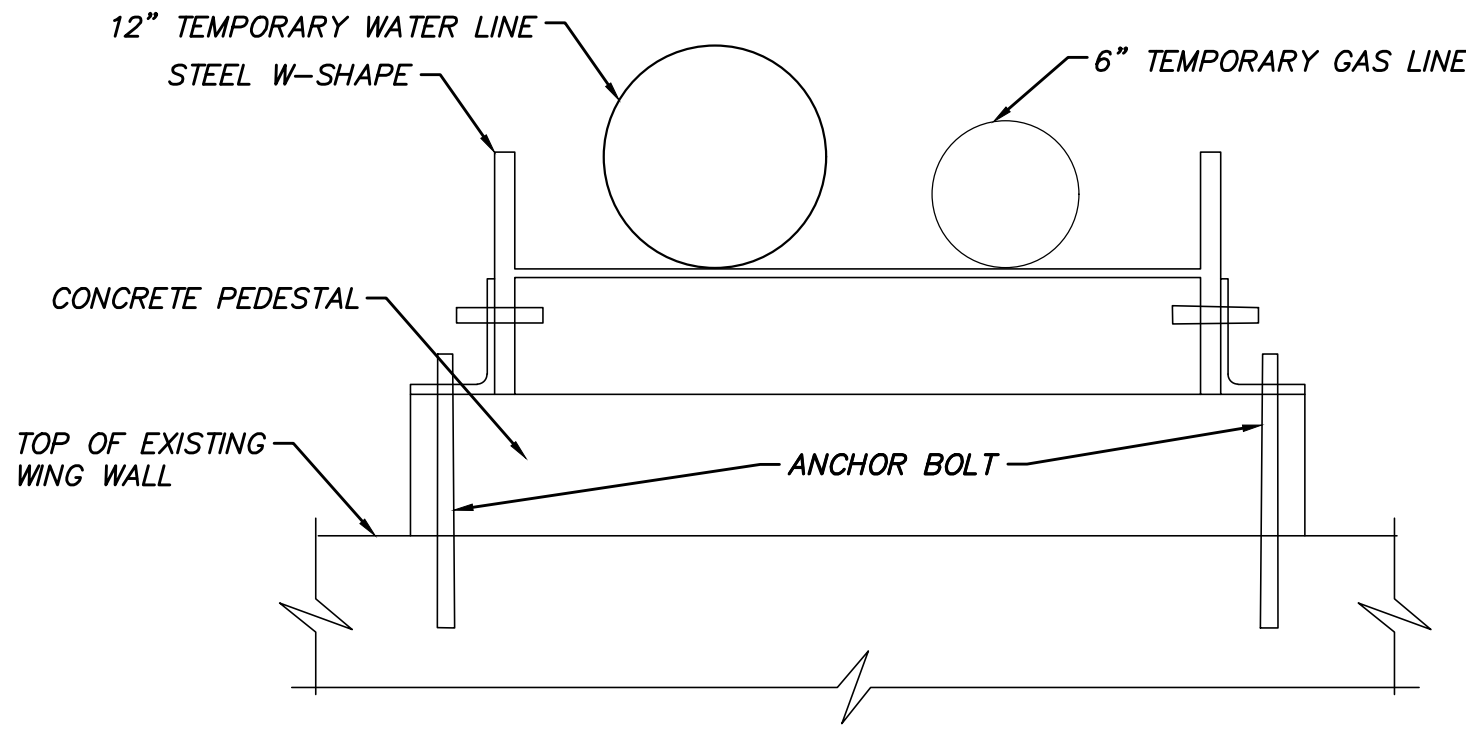
SAMPLE



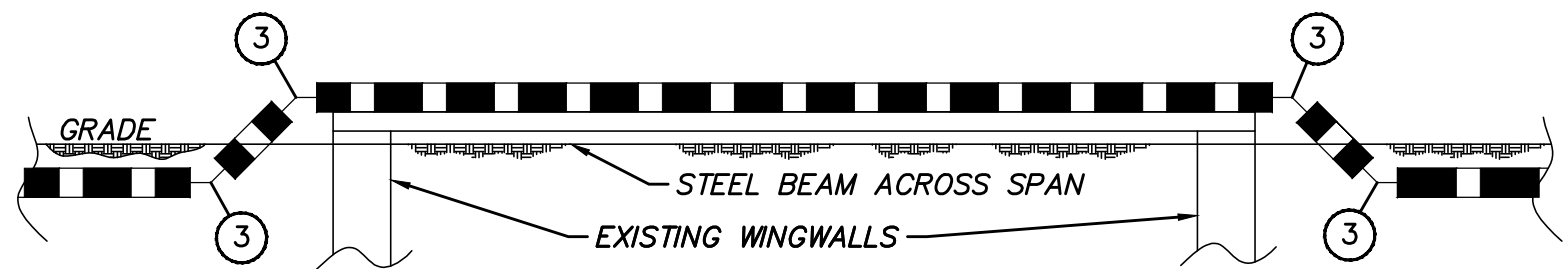
DETAIL #1
(1" = 5')



DETAIL #2
(1" = 5')



SECTION A-A
(N.T.S.)



SECTION B-B
(N.T.S.)

- WELD 3-WAY SPHERICAL TEES AND INSTALL TEMP. PIPE.
- INSTALL 8" GATES AND BLIND PLATES AT TIE-IN POINTS AS SHOWN.
- INSTALL PERMANENT PIPE UNDER BRIDGE DECK, REMOVE BLIND FLANGE ON GATE AND TIE-IN.
- RE-SET STOPPERS TO CUT-OFF TEMP. BY-PASS AND CAP.

NOTES:
1. LOCATION OF EXISTING UNDERGROUND UTILITIES IS BASED ON XXXXXXXXXXX RECORDS AND INFORMATION SUPPLIED BY OTHER UTILITIES VIA THE PENNSYLVANIA ONE CALL SYSTEM. KEYSTONE SURVEY & MAPPING, INC. DOES NOT WARRANT OR GUARANTEE THE ACCURACY OF THE INFORMATION SHOWN. IT IS THE CONTRACTORS' RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO THE START OF EXCAVATION.

LEGEND

	EXISTING GAS MAIN		PROPOSED GAS MAIN
	ABANDONED GAS MAIN		EXISTING ROADWAY
	EXISTING CENTERLINE		EXISTING BUILDING
	PROPERTY LINE		EXISTING GUIDERAIL
	EXISTING CULVERT		EXISTING CULVERT
	VALVE		STORM DRAIN
	COUPLING		UTILITY POLE
	TEE		SANITARY MANHOLE
	REDUCER		WATER BOX
	VERTICLE 90° ELBOW		FIRE HYDRANT
	90° ELBOW		LOCATOR BOX W/WIRE
	SERVICE		LINE MARKER
	ANODE		
	MARKER BALL		

SERVICE NOTIFICATION NO.: XXX_XXXX	MAP SQUARE: XXX_XXXX
MAINLINE NOTIFICATION NO.: XXX_XXXX	MAP ID NO.: XXX_XXXX
MAINLINE WORK ORDER NO.: XXX_XXXX	MUNICIPALITY: XXXXXXXXXXXXXXX
SERVICE WORK ORDER NO.: XXX_XXXX	COUNTY: XXX_XXXX
CONSTRUCTION MEASURE NO.:	



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REVISIONS		
NO.	DESCRIPTION	DATE
A	SAMPLE	7/7/

1" = 15' UNLESS OTHERWISE NOTED

PLAN VIEW

SCALE IN FEET

0 15 30



KEYSTONE SURVEYING & MAPPING INC.

7500 BROOKTREE ROAD, SUITE 212

WEXFORD, PA 15090

OFFICE (724) 934-6350

CLIENT NAME

PROJECT: SAMPLE PROJECT

INSTALL 270' OF 6" PLASTIC PIPE

ABANDON 140' OF 8" STL. PIPE

DRAWING TITLE: TEMPORARY BRIDGE CROSSING

KSM REFERENCE ID.: SAMPLE

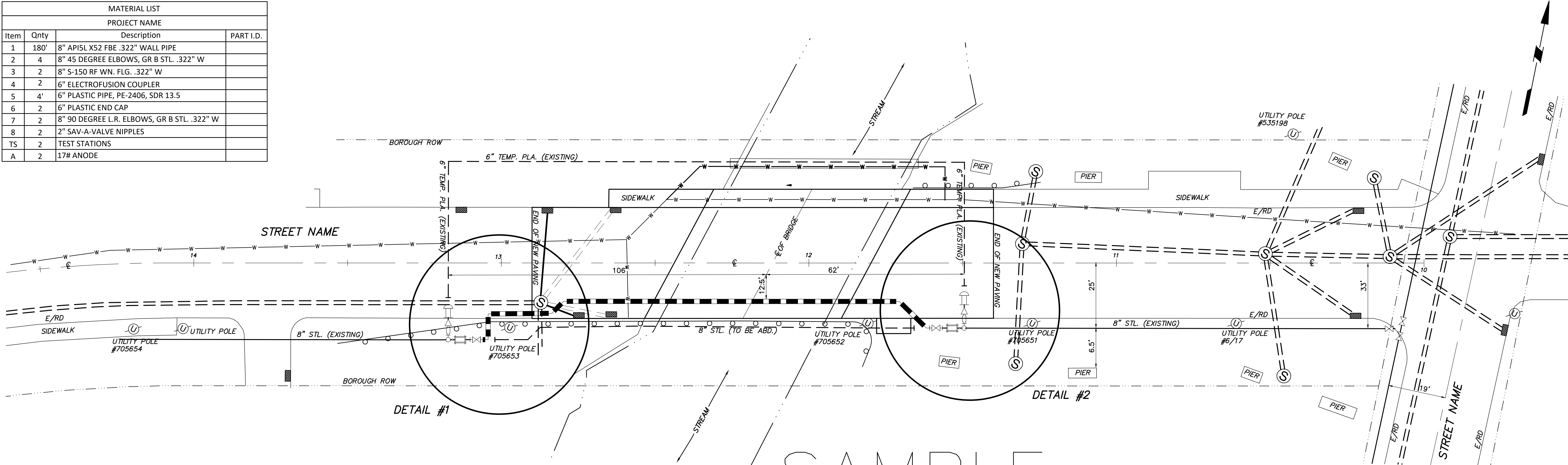
DATE: 7/7/

DRN. BY: XXX

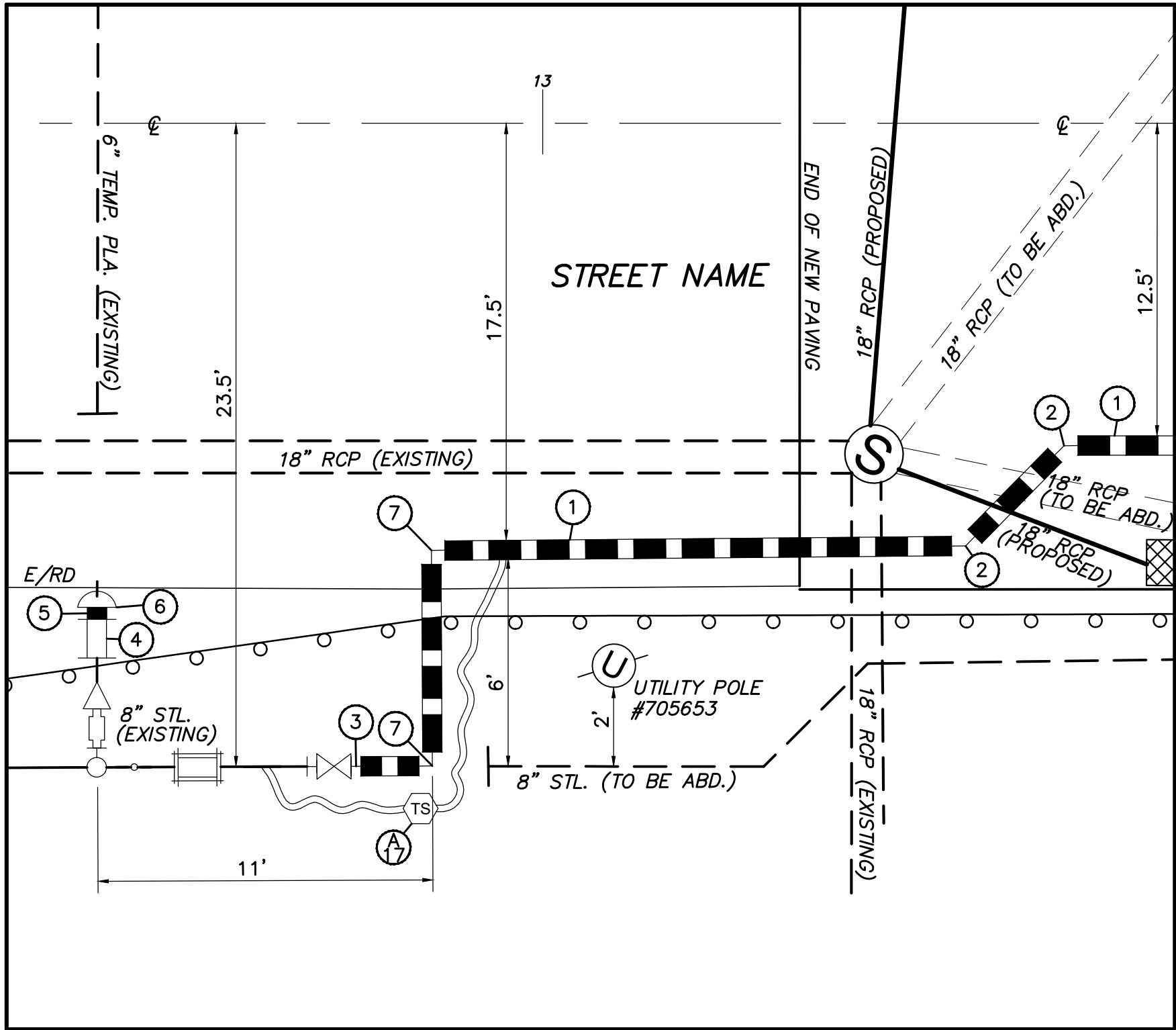
CHECKED BY: XXX

1 OF 4

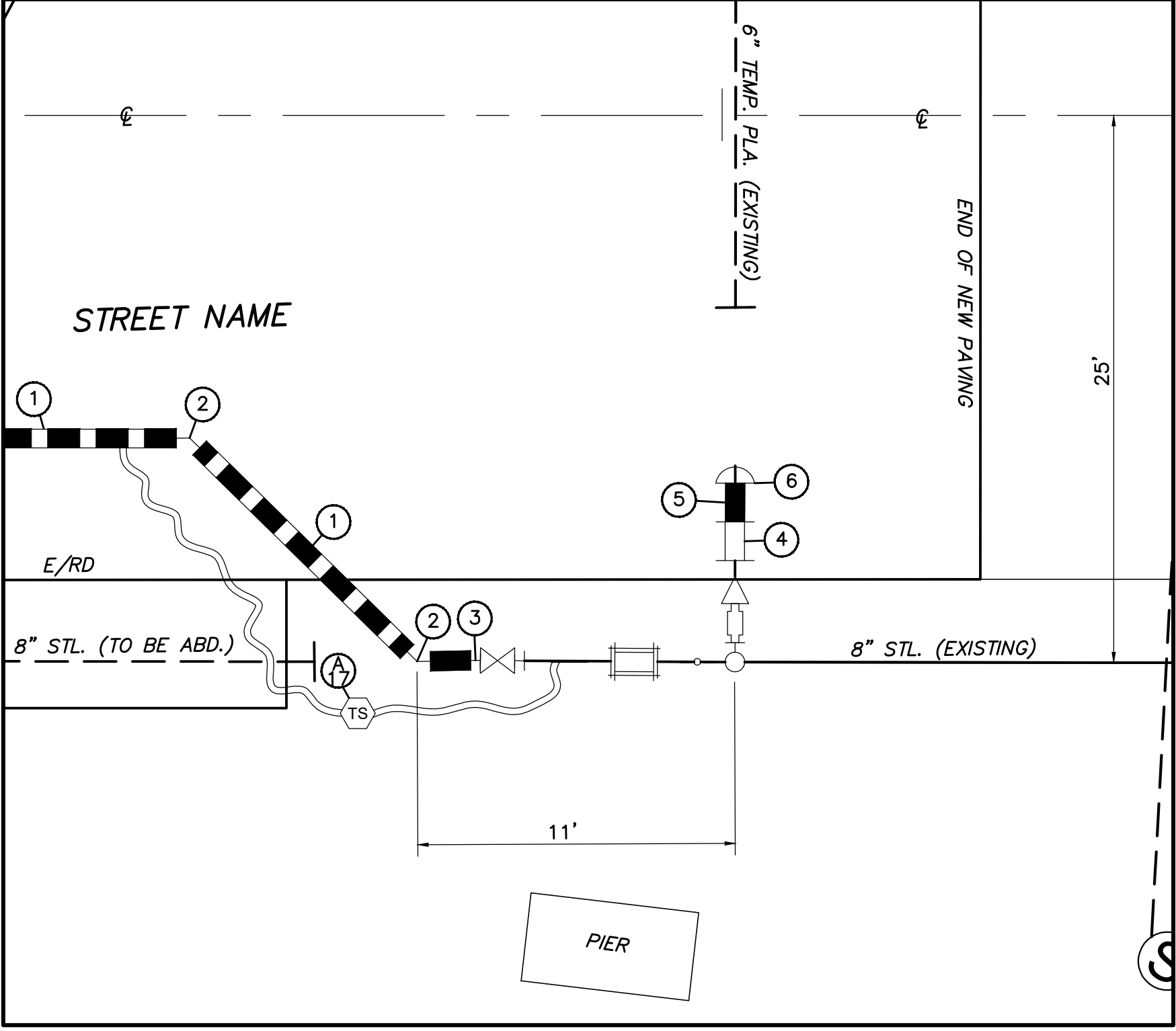
MATERIAL LIST			
PROJECT NAME			
Item	Qty	Description	PART I.D.
1	180'	8" API5L X52 FBE .322" WALL PIPE	
2	4	8" 45 DEGREE ELBOWS, GR B STL. .322" W	
3	2	8" S-150 RF WN. FLG. .322" W	
4	2	6" ELECTROFUSION COUPLER	
5	4'	6" PLASTIC PIPE, PE-2406, SDR 13.5	
6	2	6" PLASTIC END CAP	
7	2	8" 90 DEGREE L.R. ELBOWS, GR B STL. .322" W	
8	2	2" SAV-A VALVE NIPPLES	
TS	2	TEST STATIONS	
A	2	17# ANODE	



SAMPLE



DETAIL #1
(1" = 5')



DETAIL #2
(1" = 5')

- NOTES:
1. LOCATION OF EXISTING UNDERGROUND UTILITIES IS BASED ON XXXXXXXXXXXX RECORDS AND INFORMATION SUPPLIED BY OTHER UTILITIES VIA THE PENNSYLVANIA ONE CALL SYSTEM. KEYSTONE SURVEY & MAPPING, INC. DOES NOT WARRANT OR GUARANTEE THE ACCURACY OF THE INFORMATION SHOWN. IT IS THE CONTRACTORS' RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO THE START OF EXCAVATION.

LEGEND

- EXISTING GAS MAIN
- PROPOSED GAS MAIN
- ABANDONED GAS MAIN
- EXISTING ROADWAY
- EXISTING CENTERLINE
- EXISTING BUILDING
- PROPERTY LINE
- EXISTING GUIDERAIL
- EXISTING CULVERT
- VALVE
- COUPLING
- TEE
- REDUCER
- VERTICLE 90° ELBOW
- 90° ELBOW
- SERVICE
- ANODE
- MARKER BALL
- STORM DRAIN
- UTILITY POLE
- SANITARY MANHOLE
- WATER BOX
- FIRE HYDRANT
- LOCATOR BOX W/WIRE
- LINE MARKER

C:\USERS\MATT SMITH\DESKTOP\4TH AVE DESIGN\BRIDGE & TEMP. LINE.DWG

SERVICE NOTIFICATION NO.:	MAP SQUARE:
MAINLINE NOTIFICATION NO.:	MAP ID NO.:
MAINLINE WORK ORDER NO.:	MUNICIPALITY:
SERVICE WORK ORDER NO.:	COUNTY:
CONSTRUCTION MEASURE NO.:	



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1" = 15' UNLESS OTHERWISE NOTED
PLAN VIEW
SCALE IN FEET
0 15 30

REVISIONS		
NO.	DESCRIPTION	DATE
A	SAMPLE PROJECT	7/7/



KEYSTONE SURVEYING & MAPPING INC.
7500 BROOKTREE ROAD, SUITE 212
WEXFORD, PA 15090
OFFICE (724) 934-6350

CLIENT
NAME

PROJECT:	SAMPLE PROJECT INSTALL 160' OF 8" STEEL PIPE ABANDON 6" PLASTIC PIPE	KSM REFERENCE ID.: SAMPLE
DRAWING TITLE:	BRIDGE PIPE REINSTALLATION	DATE: DRN. BY: CHECKED BY: 2 OF 4