



Janet T. Mills
GOVERNOR

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0016

Bruce A. Van Note
COMMISSIONER

March 26, 2020
Subject: Highway Reconstruction
State WIN: 023246.00
Location: Waterville
Amendment No. 2

Dear Sir/Ms.:

Please make the following changes to the Bid Documents:

In the Bid Book:

REMOVE pages 12 – 19, Proposal Schedule of Items, 8 pages, dated 3/9/2020, and **REPLACE** with the attached, revised Proposal Schedule of Items, 8 pages, dated 3/27/2020.

REMOVE, page 131, SECTION 02537 – DUCTILE IRON WATER & PIPE FITTINGS, page 1, and **REPLACE** with the attached, revised SECTION 02537 – DUCTILE IRON WATER & PIPE FITTINGS, page 1.

ADD the attached COPPER TUBING SIZED (CTS) POLYETHYLENE TUBING, 2 pages.

ADD the attached WIN 23246.00 - Proposed Gas Main Station Offset and Depth - 5-4-18 IFC, 3 pages.

The following questions have been received:

Question: In going through the bid items for the water line work we've noticed some issues, which are as follows:

The 12"X12" Tee item should be 12"X12"X8" Tee

There should be only 1 Each of the 12 Inch Cap

Need a line item for 8 Inch Ductile Iron Pipe

There are 2 Each of the Blow Off Valve Assembly

We can include the 6" DI pipe and gate valve with the Hydrant Assembly item, which will be fine

Response:

The 12"X12" Tee item should be 12"X12"X8" Tee - See changes to Proposal Schedule of Items

There should be only 1 Each of the 12 Inch Cap - See changes to Proposal Schedule of Items

Need a line item for 8 Inch Ductile Iron Pipe - See changes to Proposal Schedule of Items

There are 2 Each of the Blow Off Valve Assembly - See changes to Proposal Schedule of Items

We can include the 6" DI pipe and gate valve with the Hydrant Assembly item, which will be fine –

The 6-inch diameter pipe from the main is incidental to item 824.3010 Hydrant Assembly

Question: Item 626.43, 30" Diameter, is this supposed to be 30" diameter foundation?

Response: Yes, See changes to Proposal Schedule of Items

Question: Is it supposed to be measured in linear feet?

Response: Yes, see SPECIAL PROVISION 626 – FOUNDATIONS, CONDUIT, AND JUNCTION BOXES FOR HIGHWAY LIGHTING, TRAFFIC SIGNALS, AND HIGHWAY SIGNING.

Question: Item 534.71. Is it really your intent to include all three box culverts under one lump sum item?

Response: Yes, that is the intent.

Question: Can the location, depth and material type of the gas line be provided?

Response: See the attached WIN 23246.00 - Proposed Gas Main Station Offset and Depth - 5-4-18 IFC, 3 pages. The main is an 8" HDPE line. Depth at Locations where a cut is zero is 3'6". Depth at Locations where a cut is planned is 3'6" plus the depth of the cut. Depth in fills is 3' with exception of 3 Large Culvert Crossings at Which Depth is <36".

Question: In the areas of deeper cuts, how is the relocation/lowering of the gas line to be handled?

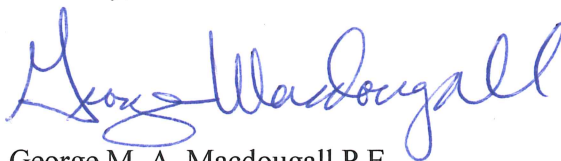
Response: The gas main was installed in consideration for the future cuts. No gas main lowering is anticipated. Upon excavation for Subgrade, The gas main will be at an insufficient depth for traffic or equipment to travel on top of. Additionally, any replacement of Caution Tap or Damage to Tracer Wire shall be coordinated and communicated with SNG. Contractor will be required to replace Caution Tape (provided by SNG) at Approximately 12" Below Grade.

Question: Is the contractor responsible for shoring where the box culverts cross under the gas line or will the gas company be on-site to do this?

Response: Contractor will be responsible to protect the Existing 8" HDPE gas main at the locations of the Box Culverts. SNG will be on site as requested to provide support to contractor.

Consider these changes and information prior to submitting your bid on **April 1, 2020**.

Sincerely,



George M. A. Macdougall P.E.
Contracts & Specifications Engineer

3/27/2020

Maine Department of Transportation

Proposal Schedule of Items

Page 1 of 8

Proposal ID: 023246.00

Project(s): 023246.00

SECTION: 1 Highway Items

Alt Set ID:

Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0010	201.11 CLEARING	3.000 AC	_____	_____	_____	_____
0020	201.23 REMOVING SINGLE TREE TOP ONLY	7.000 EA	_____	_____	_____	_____
0030	201.24 REMOVING STUMP	7.000 EA	_____	_____	_____	_____
0040	202.202 REMOVING PAVEMENT SURFACE	1,200.000 SY	_____	_____	_____	_____
0050	202.203 PAVEMENT BUTT JOINTS	375.000 SY	_____	_____	_____	_____
0060	203.20 COMMON EXCAVATION	33,226.000 CY	_____	_____	_____	_____
0070	203.25 GRANULAR BORROW	1,750.000 CY	_____	_____	_____	_____
0080	203.33 SPECIAL FILL	240.000 CY	_____	_____	_____	_____
0090	206.07 STRUCTURAL ROCK EXCAVATION - DRAINAGE AND MINOR STRUCTURES	20.000 CY	_____	_____	_____	_____
0100	304.10 AGGREGATE SUBBASE COURSE - GRAVEL	20,600.000 CY	_____	_____	_____	_____
0110	403.2081 12.5 MM POLYMER MODIFIED HOT MIX ASPHALT	1,940.000 T	_____	_____	_____	_____
0120	403.209 HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	60.000 T	_____	_____	_____	_____

3/27/2020

Maine Department of Transportation

Proposal Schedule of Items

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Proposal ID: 023246.00

Project(s): 023246.00

SECTION: 1 Highway Items

Alt Set ID:

Alt Mbr ID:

Contractor: _____

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0130	403.211 HOT MIX ASPHALT (SHIMMING)	50.000 T	_____	 _____	_____	 _____
0140	403.213 HOT MIX ASPHALT 12.5 MM BASE	3,600.000 T	_____	 _____	_____	 _____
0150	409.15 BITUMINOUS TACK COAT - APPLIED	1,225.000 G	_____	 _____	_____	 _____
0160	508.13 SHEET WATERPROOFING MEMBRANE	LUMP SUM	_____	 LUMP SUM	_____	 _____
0170	511.07 COFFERDAM: 329+55 LT	LUMP SUM	_____	 LUMP SUM	_____	 _____
0180	511.07 COFFERDAM: 329+93 RT	LUMP SUM	_____	 LUMP SUM	_____	 _____
0190	511.07 COFFERDAM: 346+82 RT	LUMP SUM	_____	 LUMP SUM	_____	 _____
0200	511.07 COFFERDAM: 346+94 LT	LUMP SUM	_____	 LUMP SUM	_____	 _____
0210	511.07 COFFERDAM: 357+48 RT	LUMP SUM	_____	 LUMP SUM	_____	 _____
0220	511.07 COFFERDAM: 357+94 LT	LUMP SUM	_____	 LUMP SUM	_____	 _____
0230	534.71 PRECAST CONCRETE BOX CULVERT	LUMP SUM	_____	 LUMP SUM	_____	 _____
0240	603.16 15 INCH CULVERT PIPE OPTION I	511.000 LF	_____	 _____	_____	 _____
0250	603.175 18 INCH REINFORCED CONCRETE PIPE CLASS III	65.000 LF	_____	 _____	_____	 _____

Maine Department of Transportation

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			Dollars	Cents	Dollars	Cents
0260	603.179 18 INCH CULVERT PIPE OPTION III	48.000 LF	_____	 _____	_____	 _____
0270	603.55 CONCRETE PIPE TIES	6.000 GP	_____	 _____	_____	 _____
0280	603.7418 REMOVE & RELAY 18 INCH CONCRETE PIPE	12.000 LF	_____	 _____	_____	 _____
0290	605.09 6 INCH UNDERDRAIN TYPE B	670.000 LF	_____	 _____	_____	 _____
0300	605.10 6 INCH UNDERDRAIN OUTLET	197.000 LF	_____	 _____	_____	 _____
0310	606.1301 31" W-BM GR, MID-WAY SPLICE-SGL FACED	1,803.125 LF	_____	 _____	_____	 _____
0320	606.1303 31" W-BM GR, MID-WAY SPLICE-15' RAD AND LESS	25.000 LF	_____	 _____	_____	 _____
0330	606.1305 31" W-BM GR, MID-WAY SPLICE FLARED TERMINAL	13.000 EA	_____	 _____	_____	 _____
0340	606.1722 BRIDGE TRANSITION - TYPE 2	4.000 EA	_____	 _____	_____	 _____
0350	606.265 TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	1.000 EA	_____	 _____	_____	 _____
0360	606.353 REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	28.000 EA	_____	 _____	_____	 _____
0370	606.356 UNDERDRAIN DELINEATOR POST	4.000 EA	_____	 _____	_____	 _____

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			Dollars	Cents	Dollars	Cents
0380	607.25 REMOVE AND RESET CHAIN LINK FENCE	120.000 LF	_____	 _____	_____	 _____
0390	609.31 CURB TYPE 3	140.000 LF	_____	 _____	_____	 _____
0400	610.08 PLAIN RIPRAP	105.000 CY	_____	 _____	_____	 _____
0410	610.212 STREAMBED ROCK FEATURES	240.000 CY	_____	 _____	_____	 _____
0420	613.319 EROSION CONTROL BLANKET	3,675.000 SY	_____	 _____	_____	 _____
0430	615.07 LOAM	2,130.000 CY	_____	 _____	_____	 _____
0440	618.13 SEEDING METHOD NUMBER 1	100.000 UN	_____	 _____	_____	 _____
0450	618.14 SEEDING METHOD NUMBER 2	150.000 UN	_____	 _____	_____	 _____
0460	619.12 MULCH	250.000 UN	_____	 _____	_____	 _____
0470	620.58 EROSION CONTROL GEOTEXTILE	75.000 SY	_____	 _____	_____	 _____
0480	626.43 30 INCH DIAMETER FOUNDATION	17.000 LF	_____	 _____	_____	 _____
0490	627.733 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	20,110.000 LF	_____	 _____	_____	 _____

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			Dollars	Cents	Dollars	Cents
0500	627.75 WHITE OR YELLOW PAVEMENT & CURB MARKING	155.000 SF	_____	 _____	_____	 _____
0510	627.78 TEMPORARY 4 INCH PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	32,600.000 LF	_____	 _____	_____	 _____
0520	629.05 HAND LABOR, STRAIGHT TIME	25.000 HR	_____	 _____	_____	 _____
0530	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	25.000 HR	_____	 _____	_____	 _____
0540	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	50.000 HR	_____	 _____	_____	 _____
0550	631.18 CHAIN SAW RENTAL (INCLUDING OPERATOR)	10.000 HR	_____	 _____	_____	 _____
0560	631.20 STUMP CHIPPER (INCLUDING OPERATOR)	10.000 HR	_____	 _____	_____	 _____
0570	634.208 REMOVE AND RESET LIGHT STANDARDS	2.000 EA	_____	 _____	_____	 _____
0580	639.19 FIELD OFFICE TYPE B	1.000 EA	_____	 _____	_____	 _____
0590	643.72 TEMPORARY TRAFFIC SIGNAL Trafton Rd. (Areas)	LUMP SUM	_____	 LUMP SUM	_____	 _____

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			Dollars	Cents	Dollars	Cents
0600	645.106 DEMOUNT REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	28.000 EA	_____	 _____	_____	 _____
0610	645.116 REINSTALL REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	28.000 EA	_____	 _____	_____	 _____
0620	652.312 TYPE III BARRICADE	6.000 EA	_____	 _____	_____	 _____
0630	652.33 DRUM	100.000 EA	_____	 _____	_____	 _____
0640	652.34 CONE	200.000 EA	_____	 _____	_____	 _____
0650	652.35 CONSTRUCTION SIGNS	800.000 SF	_____	 _____	_____	 _____
0660	652.36 MAINTENANCE OF TRAFFIC CONTROL DEVICES	280.000 CD	_____	 _____	_____	 _____
0670	652.38 FLAGGER	7,500.000 HR	_____	 _____	_____	 _____
0680	652.41 PORTABLE CHANGEABLE MESSAGE SIGN	4.000 EA	_____	 _____	_____	 _____
0690	652.61 STAGED CONSTRUCTION AND TRAFFIC CONTROL	LUMP SUM	LUMP SUM	 LUMP SUM	_____	 _____
0700	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP SUM	LUMP SUM	 LUMP SUM	_____	 _____

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Contractor: _____

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			Dollars	Cents	Dollars	Cents
0710	659.10 MOBILIZATION	LUMP SUM				
0720	822.34 8 INCH CLASS 52 DUCTILE IRON PIPE	14.000 LF				
0730	822.36 12 INCH DUCTILE IRON PIPE	1,550.000 LF				
0740	823.31 12 INCH GATE VALVE	4.000 EA				
0750	823.3134 12" X 12" TEE - (12" X 12" X 8")	1.000 EA				
0760	823.3135 12"X 12" X 6" SWIVEL TEE	2.000 EA				
0770	823.316 12 INCH CAP	1.000 EA				
0780	823.325 8 INCH GATE VALVE	1.000 EA				
0790	823.3257 8" CAP	1.000 EA				
0800	823.34 BLOW OFF VALVE ASSEMBLY - 2" w/ box	2.000 EA				
0810	824.3010 HYDRANT ASSEMBLY	2.000 EA				
0820	825.32 2 INCH CORPORATION	1.000 EA				
0830	825.322 2" CURB STOP	1.000 EA				

3/27/2020

Maine Department of Transportation

Proposal Schedule of Items

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Alt Set ID:

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price		Bid Amount	
			Dollars	Cents	Dollars	Cents
0840	825.422 2" PLASTIC SERVICE	14.000 LF	_____	_____	_____	_____
0850	827.302 UNSUITABLE SOIL EXCAVATION - BELOW GRADE	50.000 CY	_____	_____	_____	_____
0860	827.332 2" TRYMER 2000 XP	60.000 LF	_____	_____	_____	_____
Section: 1			Total:		_____	_____
			Total Bid:		_____	_____

SECTION 02537 - DUCTILE IRON WATER PIPE & FITTINGS

PART 1: GENERAL

1.1 SECTION INCLUDES:

- A. Pipe and fittings for water lines including domestic water lines.
- B. Water main valves, shut-offs and fire hydrants.
- C. The Contractor shall maintain emergency repair materials on-site during the duration of the contract to allow repairs to occur on a timely basis to limit disruptions to customers. The emergency repair materials shall be on-site prior to the start of any water main work.
- D. Dispose of all demolition and construction debris offsite in accordance with local requirements and Maine Department of Environmental Protection (MDEP) regulations.

1.2 UNIT PRICES:

- A. The following items shall be incidental to the water main construction project: clearing, test pits.
- B. Pipe (by the linear foot). Includes purchase of materials and all necessary accessories for a complete installation, transport of material to site, traffic control, clearing and grubbing, saw cuts, excavation, hand trimming excavation, dewatering, bedding, concrete thrust restraints, backfill and compaction, connection to building service and to municipal utility water source, flushing, coordinating with the District and providing support personnel for pressure testing and disinfection and all other labor, equipment, and tools necessary to complete the work. Length of pipe (in linear feet) shall be measured from end to end of each pipe section, excluding the lengths of bends and fittings.
 - a. Pay Item: 822.34 8" class 52 DI Water Main, Pay Unit: Linear Foot
 - b. Pay Item: 822.36 12" DI Water Main, Pay Unit: Linear Foot
- C. Fittings (Including bends, tees, valves, caps, plugs, reducers, and sleeves): By (each). Includes purchase of materials and all necessary accessories for a complete installation, transport of materials to site, traffic control, clearing and grubbing, saw cuts, excavation, hand trimming excavation, dewatering, bedding, concrete thrust restraints, joint restraints, foster adaptors, backfill and compaction, connection to building service piping, and to municipal utility water source, coordinating with the District and providing support personnel for pressure testing and disinfection and all other labor, equipment, and tools necessary to complete the work.
 - a. Pay Item: 823.31, 12" Gate Valve, Pay Unit: Each
 - b. Pay Item: 823.3134, 12"x12"x8" Tee, Pay Unit: Each
 - c. Pay Item: 823.3135, 12"x12"x6" Swivel Tee, Pay Unit: Each
 - d. Pay Item: 823.316, 12" Cap, Pay Unit: Each
 - e. Pay Item: 823.325, 8" Gate Valve, Pay Unit: Each
 - f. Pay Item: 823.3257, 8" Cap, Pay Unit: Each
 - g. Pay Item: 823.34, 2" Blow Off and Valve box, Pay Unit: Each
- D. Hydrants (Including valves, and hydrant assembly): By (each). Includes purchase of materials and all necessary accessories for a complete installation, transport of materials to site, traffic control, clearing and grubbing, saw cuts, excavation, hand trimming excavation, dewatering, bedding, concrete thrust

COPPER TUBING SIZED (CTS) POLYETHYLENE TUBING

Copper Tubing Sized (CTS) shall be 200 psi rated water service tubing conforming to AWWA C-901. Tubing shall be installed with stainless steel stiffeners with compatible brass fittings. Tubing shall only be used as directed by the ENGINEER or as called out on the Plans. All tubing shall have a 12 gauge tracing wire installed with the pipe and be incidental to the installation. Payment shall be made for each linear furnished and installed.

SERVICE BRASS

All required underground service brass shall conform to AWWA standard C-800 (latest revision) and pack joint end connections consisting of Buna-N beveled gasket. Service brass shall be as manufactured by the Ford Meter Box Company, Inc. or an approved equal. All brass used shall be certified "Lead Free".

WATER SERVICES

Reconnection of existing water services to newly installed main shall be initiated after the satisfactory installation, pressure testing, and disinfection of the new main. **No corporations shall be installed on the main until it has been tested to the satisfaction of the District.** Connection of the newly installed copper tubing to the existing copper and brass services shall be done expeditiously as possible as to minimize excavation laterally from the main. The arrangement of fittings, number and size of taps for services larger than one-inch shall be approved by the district.

Corporation inlets shall have AWWA taper (CC) and outlets shall be compression pack joint. Corporations shall be directly tapped into the main. Corporations for individual house services shall be 1". Corporations shall be manufactured by the Ford Meter Box Company, Inc. or an approved equal. Only ball corporations shall be used. Payment for corporations shall be made as each furnished and installed.

Saddles shall be used on 1-1/2" and 2" Services. Saddles shall have a ® fusion bonded epoxy finish or be nylon coated on its ductile iron body. All saddles shall have a double strap of 301 Stainless Steel per ASTM A240. Gaskets on any saddle shall be Buta-N, per ASTM A2000. The cost of the saddle and installation shall be included in the corporation installation cost when used. Any saddle and accessories shall be pre-approved before installation.

Curb stops shall be ball valves as manufactured by the Ford Meter Box Company, Inc. or an approved equal. Curb stops shall have copper packed joints on inlets and outlets and have no drains. Curb stops for individual house services shall be 1".

Curb boxes shall be cast iron extension type with an arch pattern base. Curb box covers shall come complete with a "rope" thread brass pentagon plug and marked "WATER". The service boxes shall be installed with a 1/2" x 36" stainless steel service box rod.

Curbs stops and boxes shall be installed at the right-of-way limit. Curb boxes shall be installed plumb with the box lid installed flush with the finish grade. Curb stops and boxes shall be supported as to not put any pressure on the service line. If support is placed under the curb stop, it shall be with dimension lumber. Rocks and pavement shall not be acceptable. If a service box is installed within a paved area, it shall be installed in a 24-inch valve box top section with a cover. Payment shall be made as each furnished and installed. Furnishing and installing the valve box top section and cover shall be incidental to the cost of the curb stop. Payment for curb stops shall be made for each curb stop, box, heavy foot piece (if needed), and rod installed as a unit furnished and installed.

Installation shall follow the general AWWA standards and the manufacturer's latest recommendations. Copper tubing shall be bedded with 8" of select excavated material (maximum one inch (1") stone size).

- a. Pay Item: 825.32, 2" INCH CORPORATION, Pay Unit: Each
- b. Pay Item: 825.322, 2" CURB STOP, Pay Unit: Each
- c. Pay Item: 825.422, 2" PLASTIC SERVICE, Pay Unit: L.F.

WIN 23246.00

Proposed Gas Main Station Offset and Depth

5-4-18 IFC

<u>CL Station</u>	<u>Horizontal Offset From MDOT proposed CL (Right)</u>	<u>Horizontal Offset From MDOT proposed CL (Left)</u>	<u>Depth to top of pipe from current grade (")</u>	
302+50		-13	36	
303+00		-13	36	
303+50		-13	36	
304+00		-13	36	
304+50		-13	36	
305+00		-13	36	
305+50		-14	36	
306+00	32	-14	36	
306+50	32		36	
307+00	32		36	
307+50	37		36	
308+00	46		36	
308+50	40		36	
309+00	35		36	
309+50	36		36	
316+00	37		36	
316+50	35		36	
317+00	32		36	
317+50	32		36	
318+00	34		36	
318+50	34		36	
319+00	32		36	
319+25		-12	36	
319+50		-12	36	
320+00		-11	36	
320+50		-11	36	
321+00		-12	40	
321+50		-12	40	
322+00		-12	42	
322+50		-12	36	
323+00		-12	36	
323+50		-13	36	
324+00		-13	36	
324+50		-13.5	42	
325+00		-13.5	54	
325+50		-14	66	
326+00		-14	60	
326+50		-14	36	
327+00		-14	36	
327+50		-14	36	
328+00		-13	36	
328+50		-13	36	
329+00		-11	36	

WIN 23246.00

Proposed Gas Main Station Offset and Depth

5-4-18 IFC

<u>CL Station</u>	<u>Horizontal Offset From MDOT proposed CL (Right)</u>	<u>Horizontal Offset From MDOT proposed CL (Left)</u>	<u>Depth to top of pipe from current grade ("</u>	
329+75		-11	24	Coordinate With MDOT during Culvert Install
329+50		-12	36	
330+00		-12	36	
330+50		-12	36	
331+00		-12	36	
331+50		-12	36	
332+00		-12	36	
332+50		-12	36	
333+00		-12	36	
333+50		-12	36	
334+00		-12	36	
334+50		-13	36	
335+00		-14	36	
335+50		-15	36	
336+00		-15	36	
336+50		-15	40	
337+00		-15	40	
337+50		-15	42	
338+00		-15	42	
338+50		-15	36	
339+00		-15	36	
339+50		-15	36	
340+00		-15	36	
340+50		-15	36	
341+00		-15	36	
341+50		-16	48	
342+00		-14	66	
342+50		-10	78	
343+00		-8	90	
343+50	HDD	-8	96	
344+00		-8	102	
344+50		-8	84	
345+00		-8	66	
345+50		-8	42	
346+00		-5.5	36	
346+50		-4	36	
346+88		-4	28	Coordinate With MDOT during Culvert Install
347+00		-4	36	
347+50		0	36	
347+50		-20	36	
348+00		-17	36	
348+50		-15	42	

WIN 23246.00

Proposed Gas Main Station Offset and Depth

5-4-18 IFC

<u>CL Station</u>	<u>Horizontal Offset From MDOT proposed CL (Right)</u>	<u>Horizontal Offset From MDOT proposed CL (Left)</u>	<u>Depth to top of pipe from current grade ("</u>	
349+00		-15	42	
349+50		-15	42	
350+00		-15	42	
350+50		-15	42	
351+00		-15	42	
351+50		-15.5	36	
352+00		-15	48	
352+50		-15	42	
353+00		-15	42	
353+50		-15	42	
354+00		-15	42	
354+50		-15	42	
355+00		-15	36	
355+50		-15	36	
356+00		-15	36	
356+50		-15	36	
357+00		-14	36	
357+50		-12	36	
357+72		-12	30	Coordinate With MDOT during Culvert Install
358+00		-12	36	
358+50		-12	36	
359+00		-12	36	
359+50		-12	36	
360+00		-15	36	
360+50		-15	36	
361+00		-14	36	
361+50		-14	36	
362+00		-14	36	
362+50		-14	36	
363+00		-14	42	Existing Gas- tie in