APPENDIX A
Proposed Improvements Exhibits
Proposed Improvements

Install by open trench
1,100’ of 8” STL
High Pressure Main

5’ x 10’ Bore Entry Pit
5’ x 10’ Bore Exit Pit

(3) 7’ x 100’ Culverts

NOT TO SCALE

11/18 | JN 133218

NORTH SHORE PIPELINE REPLACEMENT PROJECT
INITIAL STUDY/MITIGATED NEGATIVE DECLARATION

Proposed Improvements

Exhibit 2-3c
Proposed Improvements

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NORTH SHORE PIPELINE REPLACEMENT PROJECT
INITIAL STUDY/MITIGATED NEGATIVE DECLARATION

PIPELINE LEGEND

PROPOSED HIGH PRESSURE PIPE
PROPOSED GAS PIPE
INSTALLED GAS PIPE
EXISTING H.P. PIPE
EXISTING OUT PIPE
PROPOSED
ABANDONMENT OF PIPE
CABLE
ELECTRIC
FIBER OPTIC
SENSOR
TELEPHONE
WATER
OTHER GAS

Exhibit 2-e
Proposed Improvements

NOT TO SCALE

PIPELINE LEGEND

PROPOSED H.P.
PRESSURE PIPE
PROPOSED GAS PIPE
INSTALLED GAS PIPE
EXISTING DIST. PIPE
EXISTING H.P. PIPE
PROPOSED
ABANDONMENT OF PIPE
PROPOSED HIGH
PRESSURE PIPE

ABANDON 98' OF 6" STL H.P.
FEEDER MAIN
INSTALL BY DIRECTIONAL BORE
50' OF 8" STL (100-0014)
H.P. FEEDER MAIN
ABANDON 79'
OF 2" STL H.P.
FEEDER MAIN

3' x 500' PAVEMENT CUT
W/ T-GRIND ASPHALT
REPAIR REQUIRED
INSTALL BY OPEN TRENCH
500' OF 8" STL (100-0014)
H.P. FEEDER MAIN

5' X 10' BORE EXIT PIT
(3) 7' X 100' CULVERTS
FLOW

SEE WRM325089
FOR REG STATION/INLET
PIPING RE-DESIGN

TIE NEW 2" STL H.P. PIPE TO
EXISTING 1" STL H.P. PIPE
USING (1) 2"X1" REDUCER
(146-321)
INSTALL BY OPEN TRENCH
3' OF 2" STL (100-034)
H.P. FEEDER MAIN
INSTALL 3" BALL VALVE
NON ISOLATION
FID# 13DVE0000677
CID# 13DVE0001234
STOCK ID NO. (158-417)

ABANDON 14'
OF 1" STL H.P.
FEEDER MAIN
ABANDON 7" OF 2" STL H.P.
FEEDER MAIN
ABANDON 14'
OF 2" STL H.P.
FEEDER MAIN
ABANDON 14'
OF 8" STL H.P.
FEEDER MAIN
ABANDON 14'
OF 8" STL H.P.
FEEDER MAIN
ABANDON 14'
OF 8" STL H.P.
FEEDER MAIN

Installment By Directional Bore
80' OF 6" STL (100-0014)
H.P. FEEDER MAIN

SEE WRM325089
FOR REG STATION/INLET
PIPING RE-DESIGN

ABANDON 7" OF 2" STL H.P.
FEEDER MAIN
ABANDON 7" OF 2" STL H.P.
FEEDER MAIN
ABANDON 7" OF 2" STL H.P.
FEEDER MAIN
ABANDON 14'
OF 1" STL H.P.
FEEDER MAIN
ABANDON 79'
OF 2" STL H.P.
FEEDER MAIN
ABANDON 98' OF 6" STL H.P.
FEEDER MAIN

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NORTH SHORE PIPELINE REPLACEMENT PROJECT
INITIAL STUDY/MITIGATED NEGATIVE DECLARATION

Proposed Improvements

Exhibit 2-3e
Exhibit 2-3d
Exhibit 2-3f
Proposed Improvements

PIVPIPELINE LEGEND

PROPOSED HIGH PRESSURE PIPE
PROPOSED GAS PIPE
INSTALLED GAS PIPE
EXISTING DIST. PIPE
EXISTING H.P. PIPE
PROPOSED ABANDONMENT OF PIPE
CABLE
ELECTRIC
FIBER OPTIC
SEWER
TELEPHONE
WATER
OTHER GAS

NOT TO SCALE

NORTH SHORE PIPELINE REPLACEMENT PROJECT
INITIAL STUDY/MITIGATED NEGATIVE DECLARATION

Proposed Improvements

Exhibit 2-3f
Exhibit 2-3e
Exhibit 2-3g
Proposed Improvements

- Install by Directional Bore 50' of 8" STL (100-0041) H.P. Feeder Main
- Install by Open Trench 1,050' of 8" STL (100-0014) H.P. Feeder Main
- 3' x 941' Pavement Cut w/ T-Grind Asphalt Repair Required
- Install by Directional Bore 50' of 8" STL (100-0041) H.P. Feeder Main

NOT TO SCALE

Exhibit 2-3g
**Proposed Improvements**

- **Installation by Open Trench:** 350' of 8" STL (100-0014) H.P. Feeder Main
- **Abandonment:** 1,092' of 6" STL H.P. Feeder Main
- **Installation by Directional Bore:** 700' of 8" STL (100-0041) H.P. Feeder Main

**Pipeline Legend**
- Proposed H.P. Pressure Pipe
- Proposed Gas Pipe
- Installed Gas Pipe
- Existing Dist. Pipe
- Existing H.P. Pipe
- Proposed Abandonment of Pipe
- Pipeline
- Electric
- Fiber Optic
- Sewer
- Telephone
- Water
- Other Gas

*NOT TO SCALE*

**Exhibit 2-3h**

**North Shore Pipeline Replacement Project**

**Initial Study/Mitigated Negative Declaration**
ABANDON 1,182' OF 6" STL FEEDER INSTALL BY OPEN TRENCH
1,100' OF 8" STL HIGH PRESSURE MAIN
3' x 1,022' CUT PAVEMENT W/ T-GRIND ASPHALT
REPAIR REQUIRED

Proposed Improvements

Exhibit 2-3i

PIPELINE LEGEND

PROPOSED H.P. PRESSURE PIPE
PROPOSED GAS PIPE
INSTALLED GAS PIPE
EXISTING DIST. PIPE
EXISTING H.P. PIPE
PROPOSED ABANDONMENT OF PIPE
CABLE
ELECTRIC
FIBER OPTIC
SEWER
TELEPHONE
WATER
OTHER GAS

5' X 10' BORE EX
5' X 10' BORE EN
(3) 7' X 100' CULVERTS
FLOW

NORTH SHORE PIPELINE REPLACEMENT PROJECT
INITIAL STUDY/MITIGATED NEGATIVE DECLARATION

Proposed Improvements

Exhibit 2-3i
Proposed Improvements

3' x 144" CUT PAVEMENT W/T-GRIND ASPHALT REPAIR REQUIRED
INSTALL BY OPEN TRENCH 30' OF 8" STL, HIGH PRESSURE MAIN

INSTALL BY HDD BORE 2' OF 8" STL, HIGH PRESSURE MAIN
INSTALL BY OPEN TRENCH 2' OF 8" STL, HIGH PRESSURE MAIN
INSTALL BY OPEN TRENCH 3' OF 8" STL, HIGH PRESSURE MAIN
INSTALL BY OPEN TRENCH 4' OF 8" STL, HIGH PRESSURE MAIN
INSTALL BY OPEN TRENCH 4' OF 8" STL, HIGH PRESSURE MAIN
INSTALL BY OPEN TRENCH, 3' OF 8" STL, HIGH PRESSURE MAIN
INSTALL BY HDD BORE 3' OF 8" STL, HIGH PRESSURE MAIN

INSTALL 6" REDUCER (140-5084)
INSTALL 8" X 6" REDUCER (140-5084)
INSTALL 8" LINE STOPPER (160-7651)
INSTALL 8" BALL VALVE (160-7651)

TIE NEW 6" STL H.P. PIPING INTO EXISTING 6" STL H.P. PIPING USING (1) 6" SPHERICAL FITTING (160-8186)

TIE NEW 6" STL H.P. PIPING INTO EXISTING 6" STL H.P. PIPING USING (1) 6" SPHERICAL FITTING (160-8186)

6" STL H.P. FEEDER MOP 333# JOB No. G-1-40
6" STL H.P. FEEDER MOP 333# JOB No. 0105421385
6" STL '01 (H.P.) FEEDER MOP 333# JOB No. 0105421385
6" STL '64 (H.P.) FEEDER MOP 333# JOB No. G-1-40

PLAN

Exhibit 2-3l

NOT TO SCALE

NORTH SHORE PIPELINE REPLACEMENT PROJECT
INITIAL STUDY/MITIGATED NEGATIVE DECLARATION

Proposed Improvements

Exhibit 2-3I