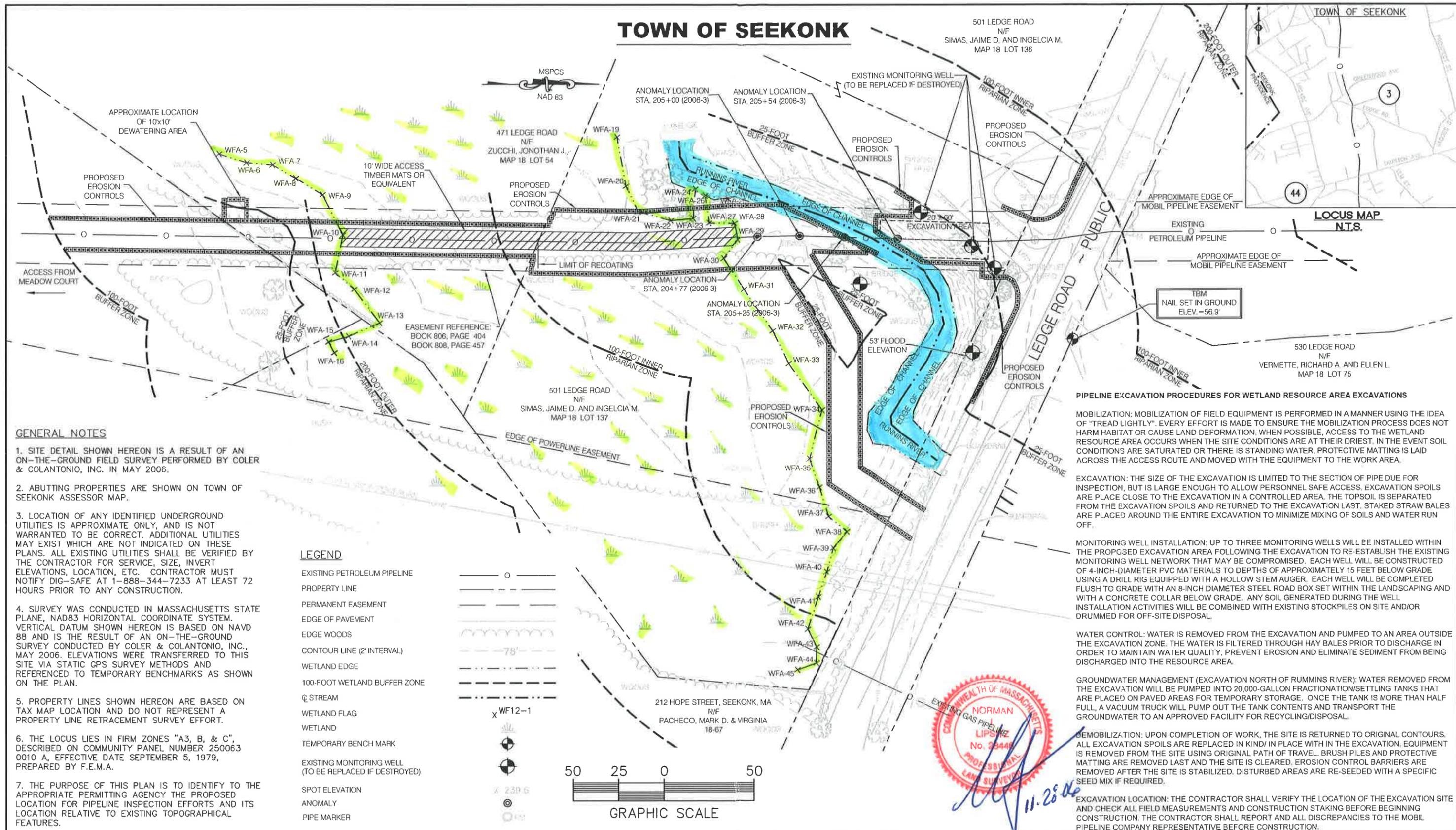


TOWN OF SEEKONK

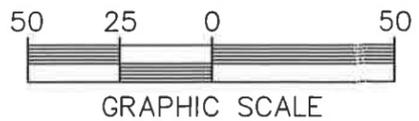


GENERAL NOTES

1. SITE DETAIL SHOWN HEREON IS A RESULT OF AN ON-THE-GROUND FIELD SURVEY PERFORMED BY COLER & COLANTONIO, INC. IN MAY 2006.
2. ABUTTING PROPERTIES ARE SHOWN ON TOWN OF SEEKONK ASSESSOR MAP.
3. LOCATION OF ANY IDENTIFIED UNDERGROUND UTILITIES IS APPROXIMATE ONLY, AND IS NOT WARRANTED TO BE CORRECT. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT INDICATED ON THESE PLANS. ALL EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR FOR SERVICE, SIZE, INVERT ELEVATIONS, LOCATION, ETC. CONTRACTOR MUST NOTIFY DIG-SAFE AT 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO ANY CONSTRUCTION.
4. SURVEY WAS CONDUCTED IN MASSACHUSETTS STATE PLANE, NAD83 HORIZONTAL COORDINATE SYSTEM. VERTICAL DATUM SHOWN HEREON IS BASED ON NAVD 88 AND IS THE RESULT OF AN ON-THE-GROUND SURVEY CONDUCTED BY COLER & COLANTONIO, INC., MAY 2006. ELEVATIONS WERE TRANSFERRED TO THIS SITE VIA STATIC GPS SURVEY METHODS AND REFERENCED TO TEMPORARY BENCHMARKS AS SHOWN ON THE PLAN.
5. PROPERTY LINES SHOWN HEREON ARE BASED ON TAX MAP LOCATION AND DO NOT REPRESENT A PROPERTY LINE RETRACEMENT SURVEY EFFORT.
6. THE LOCUS LIES IN FIRM ZONES "A3, B, & C", DESCRIBED ON COMMUNITY PANEL NUMBER 250063 0010 A, EFFECTIVE DATE SEPTEMBER 5, 1979, PREPARED BY F.E.M.A.
7. THE PURPOSE OF THIS PLAN IS TO IDENTIFY TO THE APPROPRIATE PERMITTING AGENCY THE PROPOSED LOCATION FOR PIPELINE INSPECTION EFFORTS AND ITS LOCATION RELATIVE TO EXISTING TOPOGRAPHICAL FEATURES.

LEGEND

- EXISTING PETROLEUM PIPELINE
- PROPERTY LINE
- PERMANENT EASEMENT
- EDGE OF PAVEMENT
- EDGE WOODS
- CONTOUR LINE (2' INTERVAL)
- WETLAND EDGE
- 100-FOOT WETLAND BUFFER ZONE
- STREAM
- WETLAND FLAG
- WETLAND
- TEMPORARY BENCH MARK
- EXISTING MONITORING WELL (TO BE REPLACED IF DESTROYED)
- SPOT ELEVATION
- ANOMALY
- PIPE MARKER



PIPELINE EXCAVATION PROCEDURES FOR WETLAND RESOURCE AREA EXCAVATIONS

MOBILIZATION: MOBILIZATION OF FIELD EQUIPMENT IS PERFORMED IN A MANNER USING THE IDEA OF "TREAD LIGHTLY". EVERY EFFORT IS MADE TO ENSURE THE MOBILIZATION PROCESS DOES NOT HARM HABITAT OR CAUSE LAND DEFORMATION. WHEN POSSIBLE, ACCESS TO THE WETLAND RESOURCE AREA OCCURS WHEN THE SITE CONDITIONS ARE AT THEIR DRIEST. IN THE EVENT SOIL CONDITIONS ARE SATURATED OR THERE IS STANDING WATER, PROTECTIVE MATTING IS LAID ACROSS THE ACCESS ROUTE AND MOVED WITH THE EQUIPMENT TO THE WORK AREA.

EXCAVATION: THE SIZE OF THE EXCAVATION IS LIMITED TO THE SECTION OF PIPE DUE FOR INSPECTION, BUT IS LARGE ENOUGH TO ALLOW PERSONNEL SAFE ACCESS. EXCAVATION SPOILS ARE PLACED CLOSE TO THE EXCAVATION IN A CONTROLLED AREA. THE TOPSOIL IS SEPARATED FROM THE EXCAVATION SPOILS AND RETURNED TO THE EXCAVATION LAST. STAKED STRAW BALES ARE PLACED AROUND THE ENTIRE EXCAVATION TO MINIMIZE MIXING OF SOILS AND WATER RUN OFF.

MONITORING WELL INSTALLATION: UP TO THREE MONITORING WELLS WILL BE INSTALLED WITHIN THE PROPOSED EXCAVATION AREA FOLLOWING THE EXCAVATION TO RE-ESTABLISH THE EXISTING MONITORING WELL NETWORK THAT MAY BE COMPROMISED. EACH WELL WILL BE CONSTRUCTED OF 4-INCH-DIAMETER PVC MATERIALS TO DEPTHS OF APPROXIMATELY 15 FEET BELOW GRADE USING A DRILL RIG EQUIPPED WITH A HOLLOW STEM AUGER. EACH WELL WILL BE COMPLETED FLUSH TO GRADE WITH AN 8-INCH DIAMETER STEEL ROAD BOX SET WITHIN THE LANDSCAPING AND WITH A CONCRETE COLLAR BELOW GRADE. ANY SOIL GENERATED DURING THE WELL INSTALLATION ACTIVITIES WILL BE COMBINED WITH EXISTING STOCKPILES ON SITE AND/OR DRUMMED FOR OFF-SITE DISPOSAL.

WATER CONTROL: WATER IS REMOVED FROM THE EXCAVATION AND PUMPED TO AN AREA OUTSIDE THE EXCAVATION ZONE. THE WATER IS FILTERED THROUGH HAY BALES PRIOR TO DISCHARGE IN ORDER TO MAINTAIN WATER QUALITY, PREVENT EROSION AND ELIMINATE SEDIMENT FROM BEING DISCHARGED INTO THE RESOURCE AREA.

GROUNDWATER MANAGEMENT (EXCAVATION NORTH OF RUMMINS RIVER): WATER REMOVED FROM THE EXCAVATION WILL BE PUMPED INTO 20,000-GALLON FRACTIONATION/SETTLING TANKS THAT ARE PLACED ON PAVED AREAS FOR TEMPORARY STORAGE. ONCE THE TANK IS MORE THAN HALF FULL, A VACUUM TRUCK WILL PUMP OUT THE TANK CONTENTS AND TRANSPORT THE GROUNDWATER TO AN APPROVED FACILITY FOR RECYCLING/DISPOSAL.

DEMOLITION: UPON COMPLETION OF WORK, THE SITE IS RETURNED TO ORIGINAL CONTOURS. ALL EXCAVATION SPOILS ARE REPLACED IN KIND/IN PLACE WITHIN THE EXCAVATION. EQUIPMENT IS REMOVED FROM THE SITE USING ORIGINAL PATH OF TRAVEL. BRUSH PILES AND PROTECTIVE MATTING ARE REMOVED LAST AND THE SITE IS CLEARED. EROSION CONTROL BARRIERS ARE REMOVED AFTER THE SITE IS STABILIZED. DISTURBED AREAS ARE RE-SEEDING WITH A SPECIFIC SEED MIX IF REQUIRED.

EXCAVATION LOCATION: THE CONTRACTOR SHALL VERIFY THE LOCATION OF THE EXCAVATION SITE AND CHECK ALL FIELD MEASUREMENTS AND CONSTRUCTION STAKING BEFORE BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL REPORT AND ALL DISCREPANCIES TO THE MOBIL PIPELINE COMPANY REPRESENTATIVE BEFORE CONSTRUCTION.

REVISIONS	
DATE	COMMENTS

ExxonMobil
Pipeline

EXXONMOBIL PIPELINE COMPANY
STATION: 205+54 (2006-3)
WETLAND SITE SPECIFIC

DRAWN	AMP	DATE	11/06
CHECKED	JEO	DATE	11/06
SCALE: AS NOTED			

69-606

E. PROVIDENCE - SPRINGFIELD PRODUCTS
E. PROVIDENCE - SPRINGFIELD S-243-1-2
PIPELINE RECONDITIONING PROGRAM
TLC: S243-1.2-L001

PREPARED BY

COLER & COLANTONIO
ENGINEERS AND SCIENTISTS

ANOMALY 2006-3
S243-1.2-L001-001