



**US Army Corps
of Engineers**[®]
New England District
**696 Virginia Road
Concord, MA 01742-2751**

15-DAY PUBLIC NOTICE

Comment Period Begins: May 24, 2011
Comment Period Ends: June 9, 2011
File Number: NAE-2010-1057
In Reply Refer To: Michael Riccio
Phone: (978) 318-8685
E-mail: Michael.S.Riccio@usace.army.mil

The District Engineer has received a permit application from the applicant below to conduct work in waters of the United States as described below.

APPLICANT: Chevron Environmental Management Company/Chevron Land and Development Company

ACTIVITY: Remediation of an approximately 26,000 square foot area of contaminated open water and wetlands in East Providence, Rhode Island. The project includes the construction of an access road, which will result in the fill of approximately 23,500 square feet of wetlands, and also includes the restoration of approximately 23,500 square feet of open water and adjacent wetlands in Squantum Pond in East Providence, Rhode Island.

WATERWAY AND LOCATION OF THE PROPOSED WORK:

This remediation and access road are proposed in unnamed water bodies at 431 Veterans Memorial Parkway in East Providence, Rhode Island. The pond restoration is proposed in Squantum Pond A.P. 209, Block 3, Lot 4 along Veterans Memorial Parkway in East Providence, Rhode Island. The coordinates of the three components of the project are as follows:

Remediation –	41.80575 N	71.38498 W
Access Road –	41.81123 N	71.38951 W
Squantum Pond –	41.79515 N	71.37119 W

AUTHORITY:

Permits are required pursuant to:

- Section 10 of the Rivers and Harbors Act of 1899
 Section 404 of the Clean Water Act
 Section 103 of the Marine Protection, Research and Sanctuaries Act).

The decision whether to issue a permit will be based on an evaluation of the probable impact of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which may reasonably accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are: conservation, economics, aesthetics, general environmental concerns, wetlands, cultural value, fish and wildlife values, flood hazards, flood plain value, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production and, in general, the needs and welfare of the people.

CENAE-R-PEB
FILE NO. NAE-2010-1507

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

SECTION 106 COORDINATION:

Based on his initial review, the District Engineer has determined that the proposed work may impact properties listed in, or eligible for listing in, the National Register of Historic Places. Additional review and consultation to fulfill requirements under Section 106 of the National Historic Preservation Act of 1966, as amended, will be ongoing as part of the permit review process.

ENDANGERED SPECIES CONSULTATION:

The New England District, Army Corps of Engineers has reviewed the list of species protected under the Endangered Species Act of 1973, as amended, which might occur at the project site. It is our preliminary determination that the proposed activity for which authorization is being sought is designed, situated or will be operated/used in such a manner that it is not likely to adversely affect any Federally listed endangered or threatened species or their designated critical habitat. By this Public Notice, we are requesting that the appropriate Federal Agency concur with our determination.

The States of Connecticut, Maine, Massachusetts, New Hampshire and Rhode Island have approved **Coastal Zone Management Programs**. Where applicable the applicant states that any proposed activity will comply with and will be conducted in a manner that is consistent with the approved Coastal Zone Management Program. By this Public Notice, we are requesting the State concurrence or objection to the applicant's consistency statement.

The following authorizations have been applied for, or have been, or will be obtained:

- (X) Permit, License or Assent from State.
- () Permit from Local Wetland Agency or Conservation Commission.
- (X) Water Quality Certification in accordance with Section 401 of the Clean Water Act.

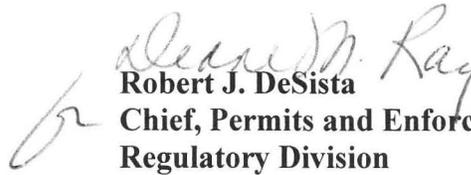
In order to properly evaluate the proposal, we are seeking public comment. Anyone wishing to comment is encouraged to do so. **Comments should be submitted in writing by the above date.** If you have any questions, please contact Michael Riccio at (978) 318-8685, (800) 343-4789 or (800) 362-4367, if calling from within Massachusetts.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for a public hearing shall specifically state the reasons for holding a public hearing. The Corps holds public hearings for the purpose of obtaining public comments when that is the best means for understanding a wide variety of concerns from a diverse segment of the public.

CENAE-R-PEB
FILE NO. NAE-2010-1507

The initial determinations made herein will be reviewed in light of facts submitted in response to this notice. All comments will be considered a matter of public record. Copies of letters of objection will be forwarded to the applicant who will normally be requested to contact objectors directly in an effort to reach an understanding.

THIS NOTICE IS NOT AN AUTHORIZATION TO DO ANY WORK.


Robert J. DeSista
Chief, Permits and Enforcement Branch
Regulatory Division

If you would prefer not to continue receiving Public Notices, please contact Ms. Tina Chaisson at (978) 318-8058 or e-mail her at bettina.m.chaisson@usace.army.mil. You may also check here () and return this portion of the Public Notice to: Bettina Chaisson, Regulatory Division, U.S. Army Corps of Engineers, 696 Virginia Road, Concord, MA 01742-2751.

NAME: _____
ADDRESS: _____

PROPOSED WORK AND PURPOSE:

The Chevron Property at 431 Veterans Memorial Parkway was originally developed as a fuel terminal in the early 20th century. As part of Chevron's on-going remediation efforts, the DEM has determined that a freshwater open water/wetland on site, which is 26,000 square feet in size, is contaminated with Light Non-Aqueous Phase Liquids (LNAPL) and in need of remediation. The resource is highly degraded and will be entirely eliminated in remediating the LNAPLs.

In order to perform the remediation of contamination on the Chevron/Village on the Waterfront property, the City of East Providence has required that an indirect access route be used that does not call for increased truck traffic along Veterans Memorial Parkway. The proposed access road will follow an existing paved access drive and the connecting railroad easement that extends south and east across much of the subject property. In order to make the railroad line passable by heavy trucks and appropriate road vehicles, four (4) to six (6) inches of stone will be applied to the existing railroad bed to create a passable and stable driving surface approximately 30 feet in width. The edge of a freshwater wetland currently encroaches the area of the proposed access route. The proposed access road will therefore result in the elimination of approximately 23,500 square feet of this wetland. All wetland areas that fall outside the railroad track and/ or easement will remain unimpacted by this project.

The applicant also proposes the restoration of the approximately 23,500 square foot Squantum Pond and adjacent wetlands in Squantum Woods Park, south of the Chevron site. The proposed restoration work includes the removal of accumulated sediment, chemical treatment and mechanical removal of invasive Common Reed from within the pond, and the repair and/ or replacement if needed of the existing overflow weir and outlet control structure.

Please see the attached plans for a detailed description of the proposed activities.

MITIGATION – No mitigation is being proposed as the overall project purpose is the remediation and restoration of contaminated and/or degraded water resources.

**Veterans Memorial Parkway
(Variable Width Public Right of Way)**

Wetland Restoration Planting Notes

(UNHATCHED) OPEN WATER HABITAT—(9,700 SF)

SHRUB WETLAND PLANTINGS—(2,025 SF)

ALL SHRUBS SHALL BE 24"–38" HIGH AFTER PLANTING AND PLANTED 5' ON-CENTER THROUGHOUT. SPECIES TO CONSIST OF THE FOLLOWING:

- SILKY DOGWOOD (CORNUS AMOMUM)
- WINTERBERRY (ILEX VERTICILLATA)
- SPICEBUSH (LINDERA BENZOIN)

BUFFER PLANTINGS (4,250 SF)

ALL SHRUBS SHALL BE 24"–38" HIGH AFTER PLANTING AND PLANTED 5' ON-CENTER THROUGHOUT. SPECIES TO CONSIST OF THE FOLLOWING:

- HIGHBUSH BLUEBERRY (VACCINIUM CORYMBOSUM)
- ARROWWOOD (VIBURNUM DENTATUM)
- SUMMERSWEET (CLETHRA ALNIFOLIA)

AQUATIC BENCH PLANTINGS (7,550 SF)

THE FOLLOWING TRANSPLANTS SHALL BE 2"–4" POTS AND PLANTED 18"–24" ON CENTER THROUGHOUT. SPECIES TO CONSIST OF THE FOLLOWING:

- BLUEFLAG IRIS (IRIS VERSICOLOR)
- BURREED (SPARGANIUM AMERICANUM)
- SOFT-STEM BULRUSH (SERPUS TABERNAEMONTANI)

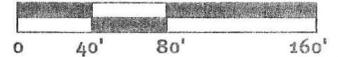
THE FOLLOWING TRANSPLANTS SHALL BE 18"–24" HIGH AFTER PLANTING. PLANTS SHALL BE ESTABLISHED AS 2 OFFSET ROWS PLANTED 5' ON CENTER THROUGHOUT. SPECIES TO CONSIST OF THE FOLLOWING:

- BUTTONBUSH (CEPHALANTHUS OCCIDENTALIS)

Proposed Legend:

MAJOR/MINOR CONTOUR	
EDGE OF WATER	
WETLAND EDGE	
WETLAND FLAG	
PROPOSED TREELINE	
PROPOSED LIMIT OF DISTURBANCE	
PROPOSED LIMIT OF DISTURBANCE WITH SILT FENCE OR HAY BALES INSTALLED	
AP	ASSESSOR'S PLAT
CMP	CORRUGATED METAL PIPE
INV	INVERT
N/F	NOW OR FORMERLY
SF	SQUARE FEET
HDPE	HIGH DENSITY POLYETHYLENE
FES	FLARED END
WF	WETLAND FLAG

Scale: 1"=80'



EXISTING PARKING AREA TO BE USED AS A MOBILIZATION AREA DURING CONSTRUCTION. AREA TO BE RETURNED TO EXISTING CONDITION AT THE END OF CONSTRUCTION

POTENTIAL FUTURE LIGHT POLE

PROPOSED HAY BALES INSTALLED AT EDGE OF PARKING AREA

SITE AP 209 BLOCK 3 LOT 4 CITY OF EAST PROVIDENCE

PROPOSED STONE CHECK DAM AND SEDIMENT TRAP TOP ELEV=45.00

IF REQUIRED, EXISTING BOARDWALK TO BE REMOVED PRIOR TO CONSTRUCTION AND PUT BACK IN PLACE WHEN CONSTRUCTION IS COMPLETE

SEE WETLAND RESTORATION PLANTING NOTES FOR MORE INFORMATION

APPROXIMATELY 2,500 CU. YD. OF SEDIMENTS REMOVED FROM EXISTING POND AND DISPOSED OF AT AN APPROVED SITE

PROPOSED STONE CHECK DAM AND SEDIMENT TRAP TOP ELEV=44.75 DURING RESTORATION, CHECK DAM TO BE COVERED WITH IMPERVIOUS MATERIALS TO FORM POOL TO ALLOW RUNOFF TO BE PUMPED AROUND DENATHEATED POND.

PROPOSED DOWATERING LOCATIONS. SEDIMENTS PLACED HERE TO BE DOWATERED TO BE SURROUNDED BY STAKED HAY BALES AND COVERED BY PLASTIC AT ALL TIMES UNTIL TRANSPORTED OFF-SITE. COMBINED CAPACITY OF BOTH AREAS IS APPROXIMATELY 1,100 CU. YDS. (ASSUMING 2:1 SIDE SLOPES ON PILED SEDIMENTS). SINCE THERE ARE APPROXIMATELY 2,500 CU. YDS. OF SEDIMENT BEING REMOVED FROM THE POND, REMOVAL MUST BE DONE IN STAGES. ADDITIONALLY, SOME OF THE SEDIMENT MAY BE ABLE TO PROPERLY DEWATER WITHIN THE POND ITSELF AFTER THE SLUICE GATE IS RAISED OR REMOVED.

EXISTING OUTLET WEIR STRUCTURES AND CMP PIPE TO BE EVALUATED BY ENGINEER AFTER POND IS DRAINED. AT THIS TIME IT WILL BE DECIDED IF IT IS NECESSARY TO REPAIR OR REMOVE AND REPLACE THE STRUCTURE. IF REPLACEMENT IS WARRANTED, THE ENGINEER WILL COORDINATE WITH THE CONTRACTOR ON THE DESIGN AND CONSTRUCTION.

SITE AP 209 BLOCK 3 LOT 1 CITY OF ATLANTIC RICHFIELD COMPANY

Public Notice Plan 1

Squantum Woods Freshwater Wetlands Restoration

AP 209 Block 3 Lot 4
East Providence, Rhode Island

Applicant
City of East Providence



DiPrete Engineering

Two Stafford Court, Cranston, RI 02920
tel 401 943 1000 fax 401 464 6006 www.DiPrete-Eng.com

Engineers • Planners • Surveyors

General Notes

1. PRIOR TO ANY WORK, AN ENVIRONMENTAL CONSULTANT WITH EXPERIENCE IN FRESHWATER WETLAND HABITAT RESTORATION SHALL BE DESIGNATED AS THE PROJECT MONITOR.
2. THE PROJECT MONITOR SHALL HOLD A PRECONSTRUCTION MEETING WITH THE CONTRACTOR. THE CRMC SHALL BE NOTIFIED IN ADVANCE OF THE PRECONSTRUCTION MEETING AND HAVE THE OPTION TO ATTEND.
3. THE PROJECT MONITOR SHALL SUBMIT MONTHLY COMPLIANCE REPORTS TO CRMC.
4. THE PROJECT MONITOR SHALL BE RESPONSIBLE FOR THE LAYOUT OF ALL RESTORATIVE PLANTINGS IN EACH OF THE THREE DESIGNATED ZONES (WETLAND, BUFFER AND AQUATIC BENCH PLANTINGS).
5. THE PROJECT MONITOR SHALL ISSUE A SEPARATE REPORT TO THE CRMC UPON COMPLETION OF THE RESTORATIVE PLANTINGS. THIS REPORT SHALL INCLUDE A GRAPHIC DEPICTING PLANT ZONES AND NUMBERS OF INDIVIDUAL PLANTS INSTALLED IN EACH.

Maintenance: Short Term/Long Term

1. THE STONE STABILIZATION PADS AT THE SITE ENTRANCE SHALL BE MAINTAINED BY THE CONTRACTOR. THE MAINTENANCE SHALL INCLUDE TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND OR AS DIRECTED BY THE ENGINEER. ALL SEDIMENTS SPILLED, DROPPED, WASHED, OR TRACKED ON THE PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
2. ALL HAY BALES/SILT FENCE, TEMPORARY TREATMENTS (HAY, STRAW, ETC.), AND TEMPORARY PROTECTION SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION. HAY BALES/SILT FENCE SHALL BE INSPECTED BY THE CONTRACTOR WITHIN 24 HOURS AFTER EACH STORM EVENT OR EVERY 7 DAYS, WHICHEVER COMES FIRST, FOR UNDERMINING AND DETERIORATION. A STORM EVENT SHALL BE DEFINED AS 0.25 INCHES OF RAIN WITHIN A 24-HOUR PERIOD. THE HAY BALES/SILT FENCE SHALL BE REPAIRED OR REPLACED AS WARRANTED. THE CONTRACTOR SHALL CLEAN THE ACCUMULATED SEDIMENT IF HALF OF THE ORIGINAL HEIGHT OF THE HAY BALES/SILT FENCE BECOMES FILLED IN WITH SEDIMENT. THE HAY BALES/SILT FENCE SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED. FOLLOWING CONFIRMATION FROM THE PROJECT ENGINEER THAT AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER HAS BEEN ESTABLISHED THE HAY BALES/SILT FENCE SHALL BE REMOVED.
3. THE CONTRACTOR SHALL MAINTAIN ALL TOPSOIL STOCKPILES AND SEDIMENT BARRIERS THROUGHOUT CONSTRUCTION. EXTREME CARE SHALL BE TAKEN TO ENSURE THAT SEDIMENTS DO NOT SPILL OVER THE SEDIMENT BARRIER. HAY BALES OR SILT FENCE SHALL BE STAKED AROUND THE STOCKPILES.
4. ALL DISTURBED SLOPES EITHER NEWLY CREATED OR CURRENTLY EXPOSED SHALL BE SEEDED, PROTECTED, AND MAINTAINED BY THE CONTRACTOR FOLLOWING FINAL GRADING AND CONSTRUCTION. THE CONTRACTOR SHALL CHECK ALL SEEDED AREAS REGULARLY TO SEE THAT A GOOD STAND OF VEGETATION IS MAINTAINED. THE CONTRACTOR MUST REPAIR OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR AND SHALL DO SO AT NO ADDITIONAL EXPENSE TO THE OWNER.
5. THE CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE AND INSPECTION OF THE POND DURING AND UP TO A YEAR AFTER COMPLETION OF CONSTRUCTION AND ACCEPTANCE BY THE OWNER. THE OWNER IS RESPONSIBLE FOR INSPECTIONS AND MAINTENANCE THEREAFTER.
6. AFTER CONSTRUCTION IS COMPLETE AND THE OWNER TAKES OVER MAINTENANCE RESPONSIBILITIES, CHECK DAMS TO BE CLEANED AND ALL ACCUMULATED SEDIMENTS TO BE REMOVED BIANNUALLY IN SPRING AND FALL. THESE SEDIMENTS WILL BE DISPOSED OF AT THE CITY OF EAST PROVIDENCE'S FORBES STREET FACILITY.
7. A LEGALLY BINDING AND ENFORCEABLE MAINTENANCE AGREEMENT SHALL BE EXECUTED BETWEEN THE OWNER AND THE RESPONSIBLE AUTHORITY TO ENSURE THE FOLLOWING MAINTENANCE SCHEDULES ARE FOLLOWED.
8. THE CONSTRUCTION SUPERINTENDENT SHALL HAVE OVERALL RESPONSIBILITY FOR THE MAINTENANCE PROGRAM DURING THE CONSTRUCTION PHASE AND FOR A PERIOD OF ONE YEAR AFTER CONSTRUCTION. THE SUPERINTENDENT SHALL SEE THAT THE APPROPRIATE WORKERS ARE AWARE OF THE PROVISIONS OF THE PLAN. AFTER ACCEPTANCE OF THE SITE BY THE OWNER, THE OWNER SHALL HAVE OVERALL RESPONSIBILITY FOR IMPLEMENTING THE MAINTENANCE PROGRAM FOR THE STORMWATER MANAGEMENT PLAN.
9. THE RESPONSIBLE PARTY FOR THE MAINTENANCE OF THE POND AND ALL OTHER IMPROVEMENTS IS THE CITY OF EAST PROVIDENCE, 145 TAUNTON AVENUE, EAST PROVIDENCE, RHODE ISLAND 02914.

Sequence of Construction and Staging of Land Disturbing Activities

1. CONTRACTOR IS RESPONSIBLE FOR SOIL EROSION AND SEDIMENT CONTROL (SE & SC) ONSITE. SEQUENCE OF CONSTRUCTION PROVIDED MAY BE MODIFIED AS FIELD CONDITIONS WARRANT WITH PRIOR APPROVAL FROM THE CITY OF EAST PROVIDENCE OR THEIR REPRESENTATIVE.
2. CONSTRUCTION TO BEGIN IN THE LATE SUMMER OF 2011 OR UPON RECEIPT OF ALL NECESSARY APPROVALS.
3. INSTALL CONSTRUCTION ENTRANCE.
4. SURVEY AND STAKE THE LIMIT OF DISTURBANCE.
5. PLACE SEDIMENTATION BARRIERS (HAY BALES OR SILT FENCE) WHERE SHOWN ON PLAN. IN NO CASE IS THE LIMIT OF WORK TO EXTEND BEYOND THE DELINEATION SHOWN ON THE PLAN.
6. INSTALL SOUTHERNMOST RIP RAP CHECK DAM TO CREATE SEDIMENTATION TRAP. COVER CHECK DAM WITH PLASTIC OR OTHER IMPERMEABLE BARRIER TO CREATE PONDING AREA FOR ANY FLOW IN THE STREAM TO COLLECT PONDING WATER TO BE PUMPED FROM THIS AREA TO THE STREAM DOWNSTREAM OF THE OUTLET WEIR STRUCTURE TO DEWATER POND. THIS WATER SHALL BE PUMPED INTO A SILT SACK PRIOR TO DISCHARGE INTO THE STREAM.
7. RAISE SLUICE GATE TO ALLOW WATER TO DRAIN FROM POND. IF SLUICE GATE IS INOPERABLE, SLUICE GATE IS TO BE REMOVED TO ALLOW WATER TO EXIT THE POND. IF REMOVED, THE SLUICE GATE IS TO BE REPLACED WITH ONE OF EQUAL DESIGN AND EFFICIENCY.
8. EXCAVATE AND REMOVE SEDIMENTS FROM POND TO GRADES SHOWN ON PLANS. SEDIMENTS TO BE DEWATERED ON SITE IN THE POND OR IN DEWATERING AREAS SHOWN ON PLANS. NO SEDIMENTS TO BE STORED ANYWHERE OTHER THAN SPECIFIC DEWATERING AREAS SHOWN ON THE PLANS. IF SEDIMENT DEWATERING AREAS ARE AT CAPACITY, SEDIMENT REMOVAL FROM THE POND TO CEASE UNTIL SEDIMENTS IN DEWATERING AREAS HAVE BEEN REMOVED TO PROVIDE SPACE FOR NEW SEDIMENTS. AFTER BEING DEWATERED, SEDIMENTS TO BE REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH RIDEM REGULATIONS AT THE CITY OF EAST PROVIDENCE'S FORBES STREET FACILITY.
9. EVALUATE EXISTING WEIR AND OUTLET STRUCTURE TO DETERMINE IF IT IS TO BE REPAIRED OR REMOVED AND REPLACED. IF THE OUTLET STRUCTURE MUST BE REPLACED, A STRUCTURE WITH A SIMILAR STAGE DISCHARGE CURVE WILL BE INSTALLED.
10. INSTALL RIP RAP CHECK DAM SEDIMENTATION TRAPS LOCATED NEAR WETLAND FLAGS A-10 AND A-11 AS DETAILED ON PLANS.
11. PLANT AQUATIC BENCH IN ACCORDANCE TO WETLAND RESTORATION PLANTING NOTES BELOW.
12. CLOSE SLUICE GATE, OR IF REMOVED REPLACE WITH ONE OF EQUAL DESIGN AND EFFICIENCY.
13. REMOVE PLASTIC OR OTHER IMPERMEABLE COVERING FROM SOUTHERNMOST RIP RAP CHECK DAM SEDIMENTATION TRAP.
14. FINISH PERMANENT STABILIZATION. ALL DISTURBED AREAS OUTSIDE OF POND TO BE LOAMED AND SEEDED.
15. REMOVE ALL TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES FOLLOWING VEGETATIVE ESTABLISHMENT OF ALL DISTURBED AREAS.

Grading and Utility Notes:

1. THE CONTRACTOR IS RESPONSIBLE FOR ALL SOIL EROSION AND SEDIMENT CONTROL ONSITE. THE CONTRACTOR IS TO NOTIFY THE DESIGN ENGINEER, THE DIRECTOR OF PUBLIC WORKS, THE CITY ENGINEER, AND RI DEPT. OF ENVIRONMENTAL MANAGEMENT AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR IS TO NOTIFY DIG SAFE PRIOR TO THE START OF CONSTRUCTION.
2. CONTRACTOR TO OBTAIN ALL FEDERAL, STATE, AND MUNICIPAL APPROVALS PRIOR TO THE START OF CONSTRUCTION.
3. ALL WORK PERFORMED HEREIN SHALL BE GOVERNED BY THE CITY OF EAST PROVIDENCE STANDARD SPECIFICATIONS AND DETAILS.
4. SEQUENCE OF CONSTRUCTION PROVIDED MAY BE MODIFIED AS FIELD CONDITIONS WARRANT WITH PRIOR APPROVAL FROM THE OWNER OR OWNER'S REPRESENTATIVE AND IF NEEDED THE CRMC.
5. ALL CUT AND FILL ASSOCIATED WITH THE POSSIBLE OUTLET STRUCTURE REMOVAL ARE TO BE DONE UNDER THE DIRECTION OF A GEOTECHNICAL ENGINEER WITH TESTING AND CERTIFICATION TO BE PROVIDED TO THE APPLICANT AT THE COMPLETION OF THE PROJECT. DIPRETE ENGINEERING ASSOCIATES, INC. IS NOT PROVIDING THE FILL SPECIFICATION, GEOTECHNICAL ENGINEERING, STRUCTURAL ENGINEERING SERVICES, OR SUPERVISION AS PART OF THESE DRAWINGS.
6. ALL LOAM IN DISTURBED AREAS TO BE STOCKPILED FOR FUTURE USE.
7. ALL EXCESS SOIL, TREES, ROCKS, BOULDERS, AND OTHER REFUSE, SHALL BE DISCARDED OFF SITE IN AN ACCEPTABLE MANNER AT AN APPROVED LOCATION. STUMPS SHALL BE GROUND ONSITE OR REMOVED.
8. NO STUMP DUMPS ARE PROPOSED ONSITE.
9. ALL EXISTING TREES ON SITE TO BE PROTECTED TO THE MAXIMUM EXTENT POSSIBLE DURING CONSTRUCTION.
10. ALL SEDIMENTS REMOVED FROM THE POND ARE TO BE PROPERLY DISTURBED OF IN ACCORDANCE WITH ALL RIDEM AND CRMC REGULATIONS AT AN APPROVED OFFSITE LOCATION.

Phragmites Management Notes

1. COMMON REED (PHRAGMITES AUSTRALIS) SHALL BE CHEMICALLY TREATED IN MID TO LATE AUGUST USING A GLYPHOSATE BASED HERBICIDE.
2. DEAD STEMS WILL BE CUT 6-8 WEEKS AFTER TREATMENT. CUT STEMS TO BE CUT AND MULCHED IN PLACE USING A LOW GROUND PRESSURE ARGO TRACK VEHICLE EQUIPPED WITH A MULCHING MOWER DECK.
3. POND RESTORATION SHALL BEGIN ONLY AFTER TREATMENT OF THE PHRAGMITES HAS OCCURRED ALONG WITH THE 6-8 WEEK HERBICIDE TRANSLLOCATION PERIOD.
4. IT IS ANTICIPATED THAT FOLLOW UP SPOT TREATMENTS SHALL BE NEEDED FOR AT LEAST TWO SUBSEQUENT GROWING SEASONS.

Public Notice Plan 2

Squantum Woods Freshwater Wetlands Restoration

AP 209 Bloc 3 Lot 4
East Providence, Rhode Island

Applicant

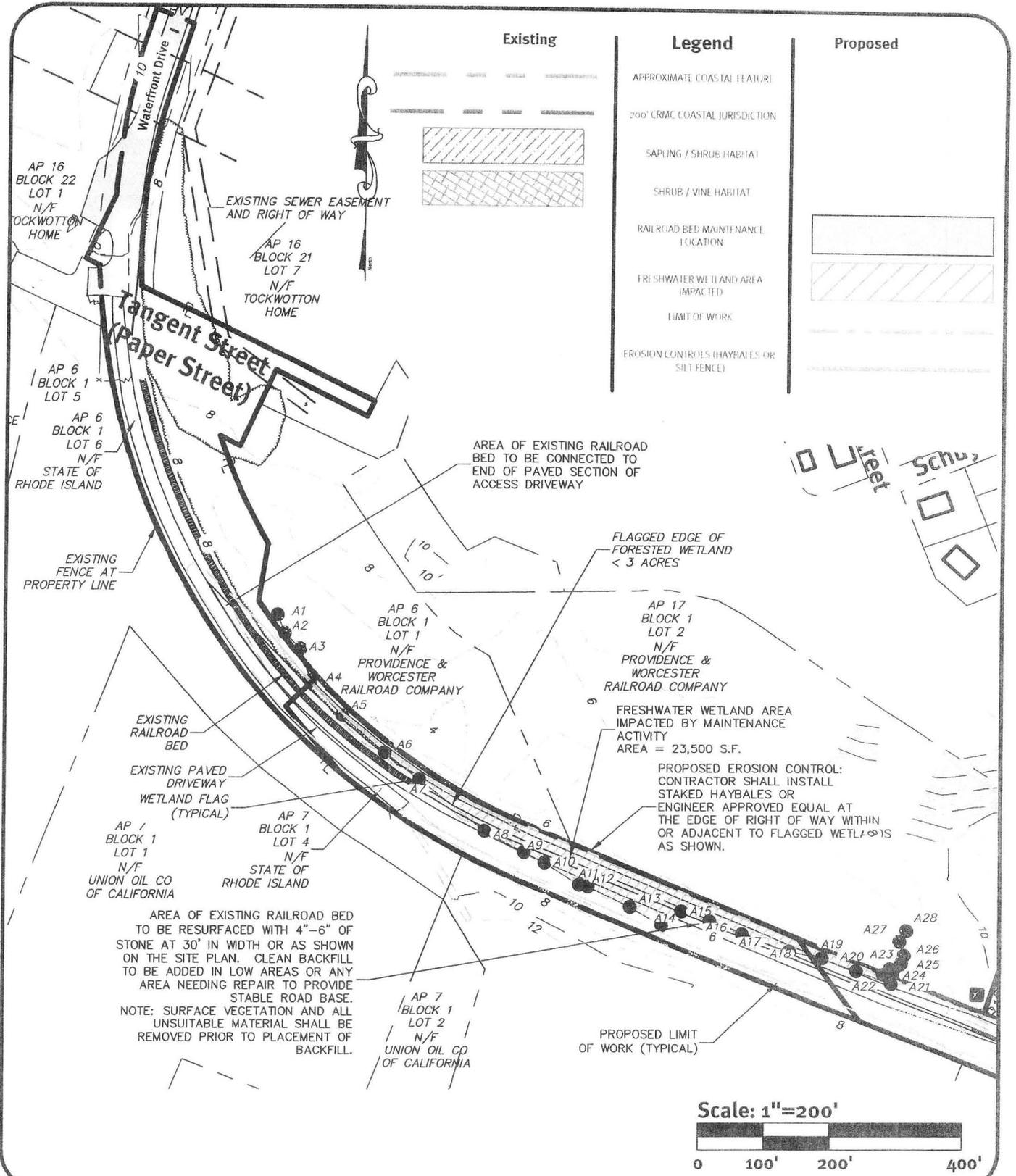
City of East Providence



DiPrete Engineering

Two Stafford Court Cranston, RI 02920
Tel 401-943-1000 Fax 401-464-6006 www.DiPrete-Eng.com

Engineers • Planners • Surveyors



Wetland Remediation Exhibit 1
Former Fuel Terminal (Chevron Facility #6517863)

431 Veterans Memorial Parkway
 East Providence, Rhode Island

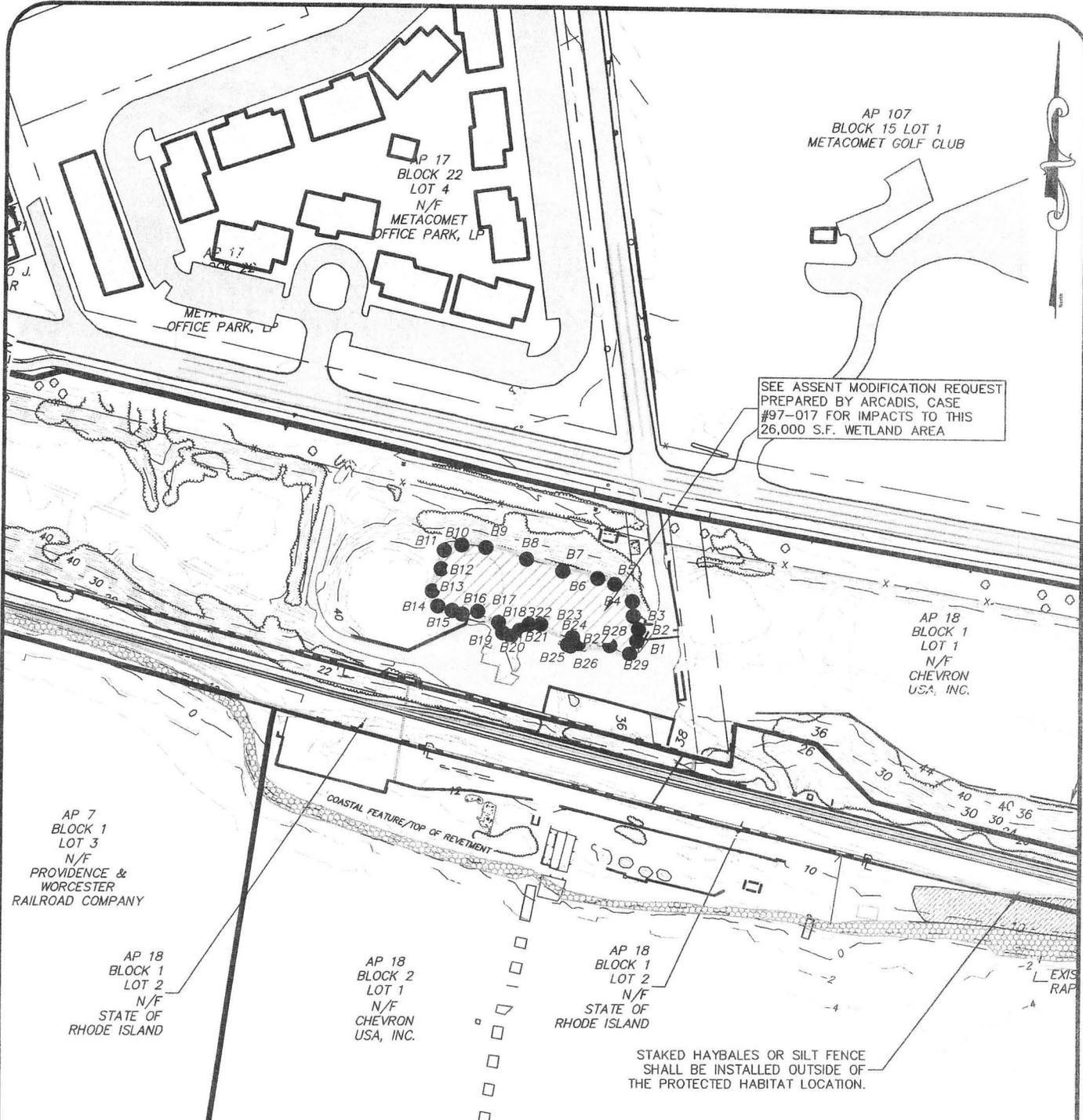
Date: 5/10/11
 Drawn by: BDC

Client
Chevron Environmental Management Company

DiPrete Engineering

Two Station Court, Cranston, Rhode Island 02910
 Tel: 401-943-0000 Fax: 401-943-0000 www.DiPrete-Eng.com

Engineers • Planners • Surveyors



SEE ASSENT MODIFICATION REQUEST
 PREPARED BY ARCADIS, CASE
 #97-017 FOR IMPACTS TO THIS
 26,000 S.F. WETLAND AREA

AP 7
 BLOCK 1
 LOT 3
 N/F
 PROVIDENCE &
 WORCESTER
 RAILROAD COMPANY

AP 18
 BLOCK 1
 LOT 2
 N/F
 STATE OF
 RHODE ISLAND

AP 18
 BLOCK 2
 LOT 1
 N/F
 CHEVRON
 USA, INC.

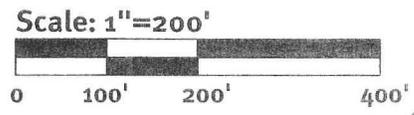
AP 18
 BLOCK 1
 LOT 2
 N/F
 STATE OF
 RHODE ISLAND

AP 107
 BLOCK 15 LOT 1
 METACOMET GOLF CLUB

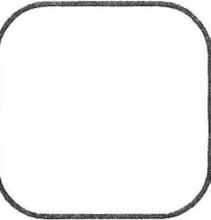
AP 17
 BLOCK 22
 LOT 4
 N/F
 METACOMET
 OFFICE PARK, LP

STAKED HAYBALES OR SILT FENCE
 SHALL BE INSTALLED OUTSIDE OF
 THE PROTECTED HABITAT LOCATION.

NOTES:
 1. AREAS IDENTIFIED AS "EXISTING SAPLING/SHRUB HABITAT"
 AND "EXISTING SHRUB/VINE HABITAT" TO BE PROTECTED FROM
 DISTURBANCE BY ORANGE SAFETY/CONSTRUCTION FENCING.
 2. ALL VEGETATION OUTSIDE OF THE ABOVE HABITATS WITHIN
 THE STATE RIGHT OF WAY IS PROPOSED TO BE CLEARED.



Wetland Remediation Exhibit 2
Former Fuel Terminal (Chevron
Facility #6517863)
 431 Veterans Memorial Parkway
 East Providence, Rhode Island
 Date: 5/10/11
 Drawn by: BDC
 Client
Chevron Environmental Management Company



DiPrete Engineering
 Two Station Court, Cranston, RI 02906-9904, New Providence, RI 02882
 401-942-1100, 401-942-6000, www.diprete.com
Engineers • Planners • Surveyors

GENERAL NOTES

- EXISTING CONDITIONS DATA SHOWN ON SHEETS 1-3 WAS PREPARED BY DIPRETE ENGINEERING AND IS A COMPILATION OF AERIAL AND GROUND SURVEY PERFORMED BETWEEN MARCH 2003 AND JANUARY 2010.
- AERIAL MAPPING BY COL-EAST, NORTH ADAMS, MA. HORIZONTAL DATUM IS RHODE ISLAND NORTH AMERICAN DATUM OF 1983 (NAD '83) AND VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88).
- THE BATHYMETRIC CONTOURS SOUTH OF THE EXISTING PIER SHOWN ON SHEET 2 OF 3 WAS THE RESULT OF FIELD SURVEY PERFORMED BY DIPRETE ENGINEERING IN JANUARY 2010. THE BATHYMETRIC CONTOURS NORTH OF THE EXISTING PIER SHOWN ON SHEET 2 OF 3 WAS DIGITIZED FROM A PLAN ENTITLED "EXISTING CONDITIONS & DEMOLITION PLAN" PREPARED BY GZA GEOENVIRONMENTAL INC. DATED NOVEMBER 2009, WHICH REFERENCES HYDROGRAPHIC SURVEY BY TG&B MARINE SERVICES, INC. ON JULY 8, 2009.
- THE SITE IS LOCATED IN FEMA ZONES AE, VE, X AND X SHADED. REFERENCE FEMA FLOOD INSURANCE RATE MAPS 44007C0309G AND 44007C0317G, MAP REVISED MARCH 2, 2009.

ZONE AE - AREAS OF SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD. BASE FLOOD ELEVATIONS DETERMINED TO BE 16 AND 17.

ZONE VE - AREAS OF COASTAL FLOOD WITH VELOCITY HAZARD (WAVE ACTION). BASE FLOOD ELEVATION DETERMINED TO BE 18.

ZONE X AND ZONE X SHADED - THIS SITE IS LOCATED IN FEMA ZONE X AND ZONE X SHADED. ZONE X ARE AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN. ZONE X (SHADED) ARE AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD.

DUE TO SITE TOPOGRAPHY, FOR CLARITY ONLY FEMA ZONES AE AND VE ARE SHOWN (ZONE X NOT SHOWN).
- CRMC PRELIMINARY DETERMINATION ACCEPTED BY CRMC UNDER APPLICATION NO D2006-09-014 ON 10-17-06.
- EDGE OF THE COASTAL FEATURE DELINEATED AND FIELD LOCATED BY NATURAL RESOURCE SERVICES, INC.
- EDGE OF FORESTED WETLAND EDGES (FLAGS A1-A28 AND FLAGS B1-B29) DELINEATED BY NATURAL RESOURCE SERVICES, INC. ON 10-8-08 AND SURVEYED BY DIPRETE ENGINEERING USING GPS SUBMETER TECHNOLOGY ON 10-10-08.
- UTILITY INFORMATION SHOWN IS BASED ON FIELD SURVEY, VISIBLE INFORMATION, DRAWINGS BY OTHERS AND PLANS OF RECORD. THE LOCATIONS OF UNDERGROUND PIPES AND CONDUITS HAVE BEEN DETERMINED FROM AFOREMENTIONED RECORD PLANS AND ARE APPROXIMATE ONLY. PRIOR TO CONSTRUCTION, THE PROPER UTILITY ENGINEERING DEPARTMENTS SHALL BE CONTACTED AND THE ACTUAL LOCATION OF SUBSURFACE STRUCTURES SHALL BE DETERMINED IN THE FIELD. CALL TOLL FREE THE DIG SAFE CENTER AT 1-888-344-7233, 72 HOURS PRIOR TO EXCAVATION. ANY DAMAGE TO UTILITIES WHICH ARE SHOWN ON THE PLANS OR DETAILED BY DIG SAFE SHALL BE THE SITE CONTRACTOR'S RESPONSIBILITY. CONTRACTOR TO VERIFY ALL UTILITIES PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL SOIL EROSION AND SEDIMENT CONTROL ONSITE. SEQUENCE OF CONSTRUCTION PROVIDED MAY BE MODIFIED AS FIELD CONDITIONS WARRANT WITH PRIOR APPROVAL FROM CHEVRON OR THEIR REPRESENTATIVE.
- THE CONTRACTOR SHALL PERFORM WORK AND APPLY EROSION CONTROL IN ACCORDANCE WITH THE ARCADIS SITE STORM WATER PROTECTION PLAN (SWPPP) DATED AUGUST 14, 2009 OR OTHERWISE AMENDED OR REVISED. THE CONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH THE "PRELIMINARY REMEDIAL MEASURES WORK PLAN" PREPARED BY ARCADIS, DATED JULY 2008 AS AMENDED OR REVISED.
- ALL EXCESS SOIL, TREES, ROCKS, BOULDERS (IF NOT REUSED ON SITE), AND OTHER REFUSE, SHALL BE HANDLED IN ACCORDANCE WITH SITE PERMITS AND AT THE DIRECTION OF CHEVRON OR THEIR REPRESENTATIVE.
- ONGOING SITE TESTING AND REMEDIAL WORK WILL BE OCCURRING DURING MAINTENANCE ACTIVITIES. THE SITE CONTRACTORS SHALL COORDINATE WITH THE REPRESENTATIVE IN CHARGE OF THE REMEDIAL WORK TO AVOID CONFLICTS.
- FRESHWATER WETLANDS TO BE LOST DUE TO MAINTENANCE ACTIVITIES:
TOTAL WETLANDS = 23,500 S.F.
MITIGATION FOR WETLAND IMPACTS IS PROVIDED WITHIN THE SQUANTUM WOODS POND RESTORATION APPLICATION #2011-01-031.

SEQUENCE OF CONSTRUCTION AND STAGING OF LAND DISTURBING ACTIVITIES

- CONTRACTOR IS RESPONSIBLE FOR SOIL EROSION AND SEDIMENT CONTROL (SE & SC) ONSITE. SEQUENCE OF CONSTRUCTION PROVIDED MAY BE MODIFIED AS FIELD CONDITIONS WARRANT WITH PRIOR APPROVAL FROM THE OWNER OR OWNER'S REPRESENTATIVE.
- MAINTENANCE ACTIVITIES TO BEGIN IN EARLY SPRING OF 2010 OR UPON RECEIPT OF ALL NECESSARY APPROVALS AND BASED ON THE SITE REMEDIATION SCHEDULE.
- DISPOSAL OF ANY MATERIALS FROM THE SITE MUST BE DONE IN ACCORDANCE WITH APPLICABLE REGULATIONS.
- SURVEY AND STAKE CENTERLINE OF THE PROPOSED RAILROAD BED UPGRADE AND LIMIT OF EROSION CONTROLS. PLACE EROSION CONTROLS (HAY BALES OR SILT FENCE) AS SHOWN ON THE PLANS AND STAKED OUT IN THE FIELD. IN NO CASE IS THE LIMIT OF WORK TO EXTEND BEYOND THE EROSION CONTROLS.
- REMOVE UNSUITABLE MATERIAL PRIOR TO RAIL BED WORK AND REMOVE VEGETATION WITHIN THE RIGHT OF WAY.
- PLACE COMPACTED GRAVEL FOUNDATION AND ROUGH GRADE THE ACCESS ROAD AS DEPICTED ON THE PLANS.
- REMOVE ALL TEMPORARY EROSION CONTROL MEASURES FOLLOWING COMPLETION OF MAINTENANCE ACTIVITIES AND STABILIZATION OF ALL DISTURBED AREAS.

Wetland Remediation Exhibit 3 Former Fuel Terminal (Chevron Facility #6517863)

431 Veterans Memorial Parkway
East Providence, Rhode Island

Date: 5/10/11
Drawn by: BDC

Client
Chevron Environmental Management Company



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Engineers • Planners • Surveyors