

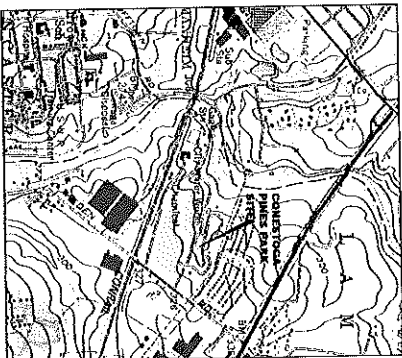
# CONESTOGA PINES PARK

CITY OF LANCASTER  
 LANCASTER COUNTY, PA  
 W.O. NO. 007339.056.004

FINAL PLANS  
 MAY 2013

LIST OF DRAWINGS:

DRAWING NO.	TITLE
-	COVER SHEET/LIST OF DRAWINGS
C-1	SITE PLAN AND EROSION AND SEDIMENT CONTROL PLAN
C-2	ENLARGED SITE PLAN AND EROSION AND SEDIMENT CONTROL PLAN
C-3	ENLARGED PLAN OF SPRING AREA
C-4	DETAILS AND NOTES
C-5	EROSION AND SEDIMENT CONTROL DETAILS
C-6	EROSION AND SEDIMENT CONTROL NOTES
C-7	CONCRETE DIFFUSER BOX
C-8	EARTHWORKS SPECIFICATIONS
M-1	DIFFUSER SYSTEM
E-1	ELECTRICAL DETAILS



MADE FROM UNITED STATES GEOLOGICAL SURVEY (USGS)  
 LANCASTER, PA QUADRANGLE, REV. 1985.

LOCATION MAP

1" = 2,000'

**FINAL PLANS**

DATE: 05/15/13  
 DRAWN BY: J. J. JONES  
 CHECKED BY: J. J. JONES  
 PROJECT NO.: 007339.056.004



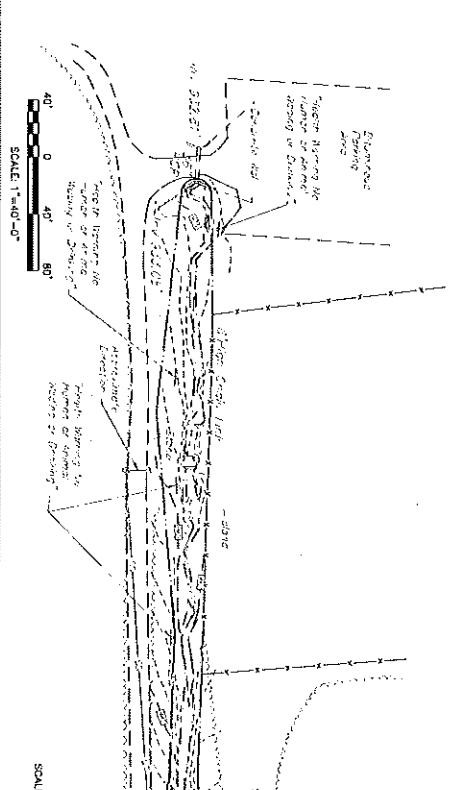
**FINAL PLANS**

NO.	DATE	BY	CHKD.	DESCRIPTION
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9	1/19/11	DAK	DAK	ISSUED FOR PERMITS
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WESTON  
ENGINEERING, INC.

NO.	DATE	BY	CHKD.	DESCRIPTION
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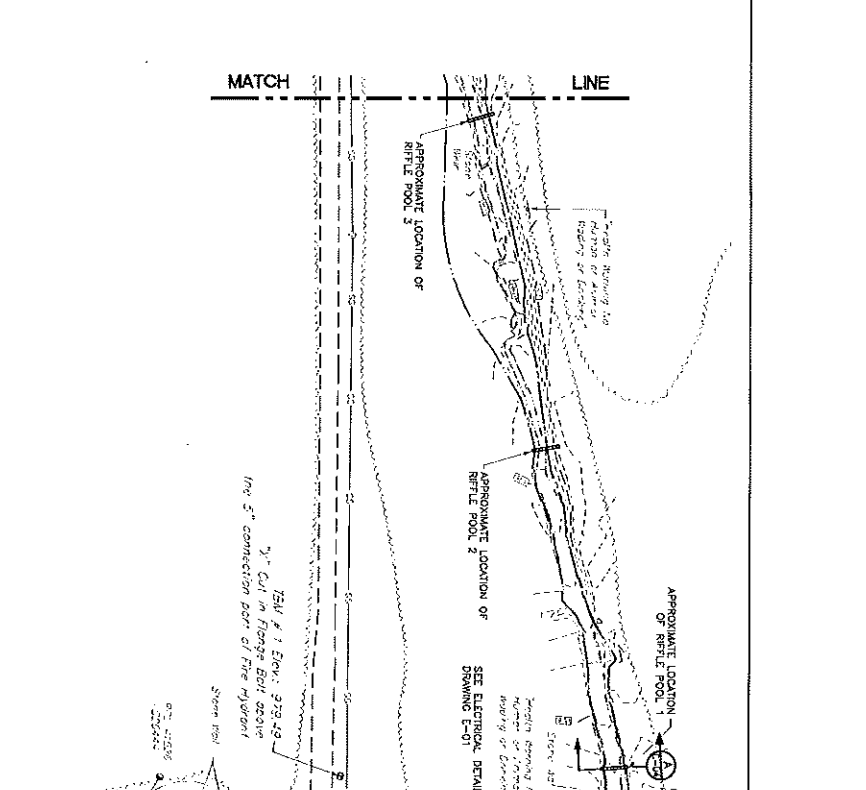
PLAN  
SCALE: 1"=40'-0"

**NOTES:**  
 1. SANITARY BY DAWG ENGINEERING, INC. NOV. - DEC. 2003 AND NOV. 2010.  
 2. THE VERTICAL DETAIL IS BASED ON ASSUMED DATA.  
 3. HORIZONTAL DETAIL IS BASED ON ASSUMED DATA.  
 4. THE PROJECT UNITS ARE US. SURVEY FEET.  
 5. UTILITIES ARE PLOTTED FROM FIELD EVIDENCE.  
 DAWG ENGINEERING, INC. HAS NOT SANITARY THE UNDERGROUND UTILITIES.

**LEGEND**

---	PROPOSED DIRECT-BURY ELECTRIC
---	TREE LINE
---	EDGE OF WATER
---	FENCE LINE
---	STORM PIPE
---	EXISTING 1" CONTOUR
---	OVERHEAD ELECTRIC LINE
---	SANITARY SEWER LINE
---	APPROX. WETLAND BOUNDARY
---	ELECTRIC POLE
---	STORM SEWER INLET
---	SANITARY SEWER MANHOLE
---	BENCH MARK
---	SIGN
---	CONFIDENTIAL TREE
---	SPOT ELEVATION
---	STANDARDIZED CONSTRUCTION ENTRANCE
---	LIMIT OF DISTURBANCE
---	COMPOSITE FILTER SOCK

**FINAL PLANS**



PLAN  
SCALE: 1"=40'-0"

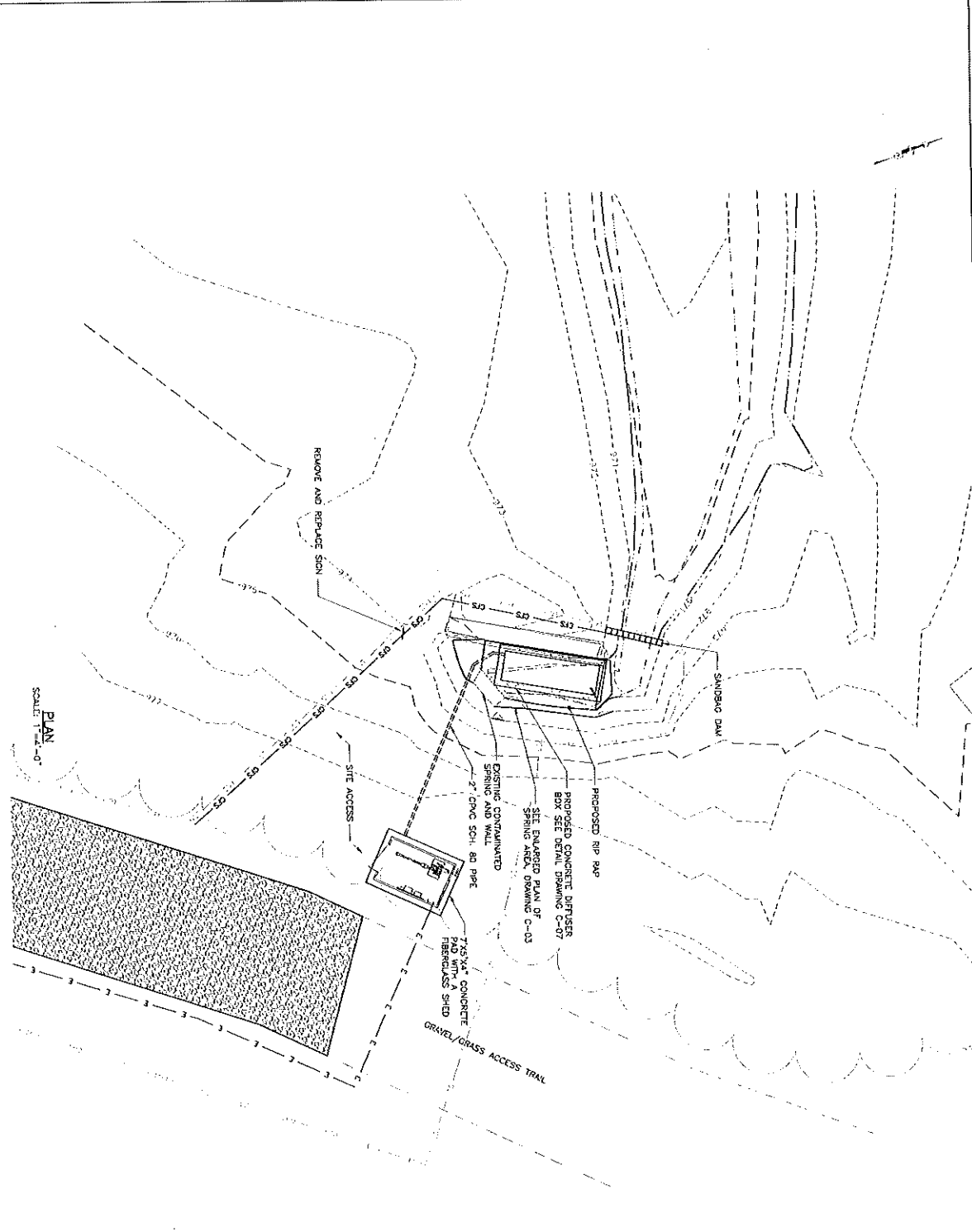
**NOTES:**  
 1. FIELD LOCATE RITTE POOLS AT LOCATIONS WHERE THE MARKING HEIGHT OF POOL STRUCTURE MAY BE ADVISED.  
 2. FIELD RAIN DIRECT BURIED CHIEF AS DIRECTED BY WESTON.

**LEGEND**

---	PROPOSED DIRECT-BURY ELECTRIC
---	TREE LINE
---	EDGE OF WATER
---	FENCE LINE
---	STORM PIPE
---	EXISTING 1" CONTOUR
---	OVERHEAD ELECTRIC LINE
---	SANITARY SEWER LINE
---	APPROX. WETLAND BOUNDARY
---	ELECTRIC POLE
---	STORM SEWER INLET
---	SANITARY SEWER MANHOLE
---	BENCH MARK
---	SIGN
---	CONFIDENTIAL TREE
---	SPOT ELEVATION
---	STANDARDIZED CONSTRUCTION ENTRANCE
---	LIMIT OF DISTURBANCE
---	COMPOSITE FILTER SOCK

**FINAL PLANS**

NO.	DATE	BY	CHKD.	REVISION
0				FINAL PLAN
1				REVISION



PLAN  
SCALE 1"=4'-0"

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 LANCASTER COUNTY  
**WESTON**  
 WEST DIRECTOR

PROJECT: K. WIGGIE 1/25/12  
 DESIGNED BY: R. MADRICH 9/29/12  
 DRAWN BY: R. MADRICH 10/23/12  
 CHECKED BY: B. BENTLEY 1/29/13

- NOTES
1. SEE DRAWING C-04 FOR DETAILS.
  2. SEE DRAWING C-05 FOR EROSION AND SEDIMENT CONTROL DETAILS.
  3. SEE DRAWING C-06 FOR EROSION AND SEDIMENT CONTROL NOTES.

**LEGEND**

- PROPOSED DIRECT-BURIED ELECTRIC
- TREE LINE
- EDGE OF WATER
- COMPOSITE FILTER SOCK
- EXISTING 1" CONTOUR
- EXISTING 5' CONTOUR
- LIMIT OF DISTURBANCE
- SPOT ELEVATION
- STABILIZED CONSTRUCTION ENTRANCE

SCALE 1"=4'-0"

**FINAL PLANS**

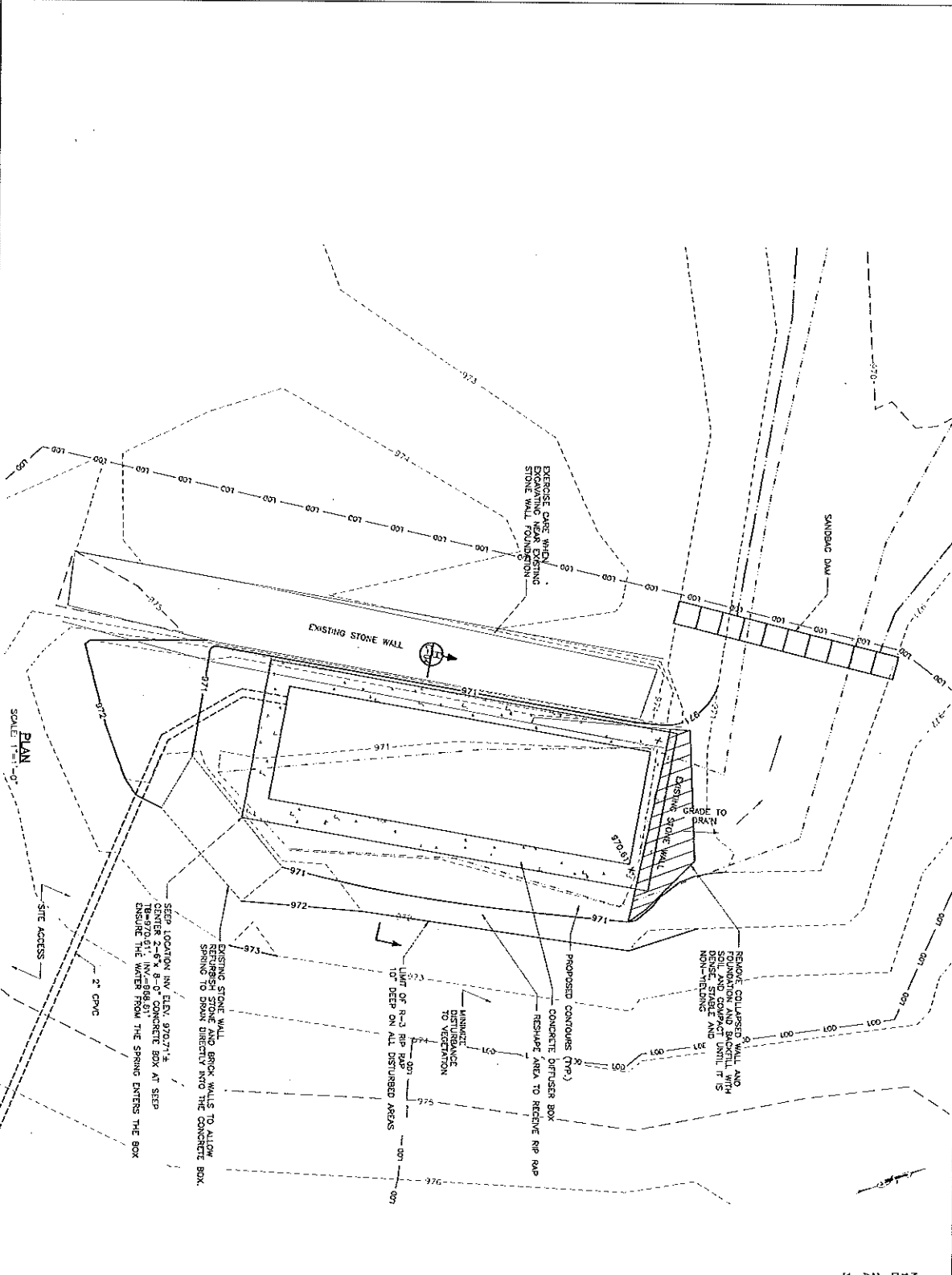
ENLARGED SITE PLAN AND EROSION AND SEDIMENT CONTROL PLAN

DATE	BY	CHKD.	NO.
1/19/11			1
1/19/11			2
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1/19/11			11

NO.	REV.	DATE	BY	CHKD.	DESCRIPTION
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2					ISSUED FOR CONSTRUCTION

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION	
CONESTOGA PINES PARK	
PROJECT NO.	PAEDP CO-4232925004
PROJECT NAME	ENLARGED PLAN OF SPRING AREA
DATE	7/19/11
SCALE	1"=1'-0"
PROJECT LOCATION	CONESTOGA PINES PARK
PROJECT NUMBER	00729.056.004
PROJECT SHEET	C-03
PROJECT TOTAL SHEETS	11

DESIGNED BY	DATE	SCALE	SHEET NO.	TOTAL SHEETS
D. PRASCHNER	7/19/11	1"=1'-0"	C-03	11
CHECKED BY	DATE	SCALE	SHEET NO.	TOTAL SHEETS



**FINAL PLANS**

ENLARGED PLAN OF SPRING AREA

SCALE: 1"=1'-0"

**LEGEND**

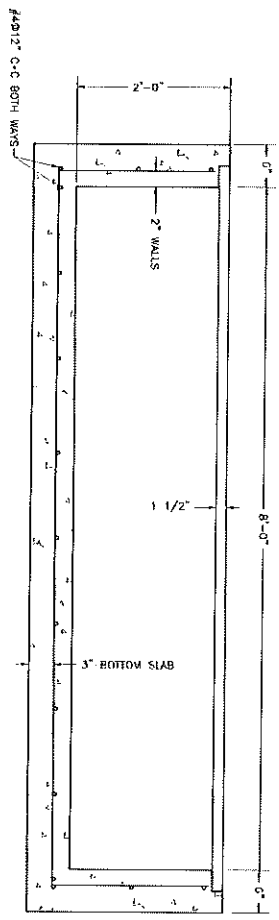
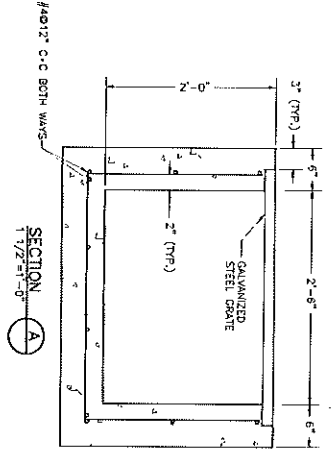
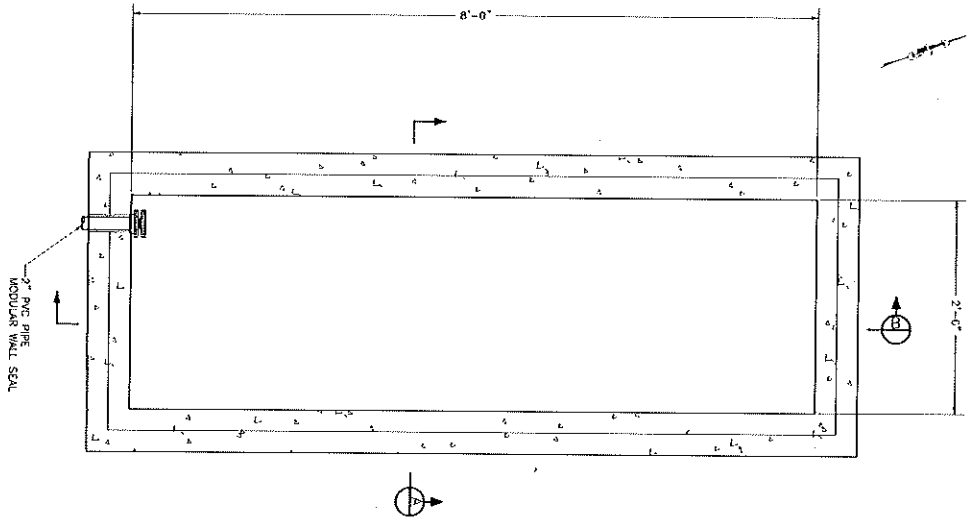
	TREE LINE
	EDGE OF WATER
	EXISTING 1' CONTOUR
	EXISTING 5' CONTOUR
	LIMIT OF DISTURBANCE
	SPOT ELEVATION

- NOTES**
1. EXCAVATED SOILS SHALL BE TESTED PRIOR TO OFF-SITE DISPOSAL OR REUSE.
  2. CONTAMINATED WATER FROM THE SPRING SHALL BE DIVERTED AND DISPOSED AT THE SITE OR BE TREATED ON-SITE.
  3. SEE DRAWING C-06 FOR SEQUENCE OF CONSTRUCTION.

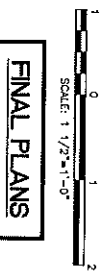








SECTION B  
1 1/2" x 1'-0"



**FINAL PLANS**

- CONCRETE AND ACCESSORIES:**
- 1.0 CONCRETE & REINFORCEMENT STEEL.
  - 1.1 CONSTRUCTION SHALL CONFORM TO AMERICAN CONCRETE INSTITUTE (ACI) BUILDING CODE 318-08.
  - 1.2 REINFORCING BARS SHALL BE TYPE I/III AS PER ASTM A630.
  - 1.3 CONCRETE FOR THIS BOX SHALL BE TYPE I/III AS PER ASTM C150.
  - 1.3.1 CONCRETE STRENGTH SHALL BE A MINIMUM OF 3000 P.S.I. (28 DAY COMPRESSIVE STRENGTH).
  - 1.3.2 MAXIMUM WATER CEMENT RATIO 0.50 (lbw/lbw).
  - 1.3.3 MINIMUM AIR CONTENT SHALL BE 5.0% (BY WEIGHT).
  - 1.3.4 ALL CONCRETE SHALL BE AIR ENTRAINED, AND SHALL HAVE AN AIR CONTENT OF 6% +/- 1%.
  - 1.4 REINFORCEMENT SHALL BE NEW DEFORMED STEEL BARS HAVING A MINIMUM SPECIFICATION 4845, GRADE 60, AND SUPPLIED WITH LATEST ASTM SPECIFICATION (COVER) FOR REINFORCEMENT SHALL BE AS FOLLOWS:
    - 1.3.1 CAST AGAINST EARTH: 3 INCHES
    - 1.3.2 EXPOSED TO WEATHER OR IN CONTACT WITH EARTH: 2 INCHES
  - 1.5 AT SPICES, BARS ARE TO BE LAPPED IN ACCORDANCE WITH ACI 318-08.
  - 1.7 CONCRETE SHALL BE WET CURED FOR A MINIMUM OF SEVEN (7) DAYS. (THE USE OF LIQUID MEMBRANE-FORMING COMPOUND IS PERMITTED).
  - 1.8 THE CONCRETE SHALL BE PROTECTED FROM FREEZING, WIND, RAIN, SLEET, AND WEAATHER, OR HOT WEATHER SHALL MEET THE MINIMUM REQUIREMENTS OF ACI 318-08.
- 2.0 BEDDING**
- 2.1 PLACE CONCRETE ON EXISTING BEDROCK AND USE MASHTO #57 STONE TO LEVEL THE BOX.
- 3.0 GRATE**
- 3.1 GRATE - GALVANIZED STEEL - 4 DIAMOND PLANK 12 CAL. 9 1/2" WIDE GRP STRUT BY MANHOLE OR APPROVED EQUIVALENT
  - 3.2 SECURE GRATING TO DIFFUSER BOX ADEQUATELY TO PREVENT THEFT OR WANDULISM

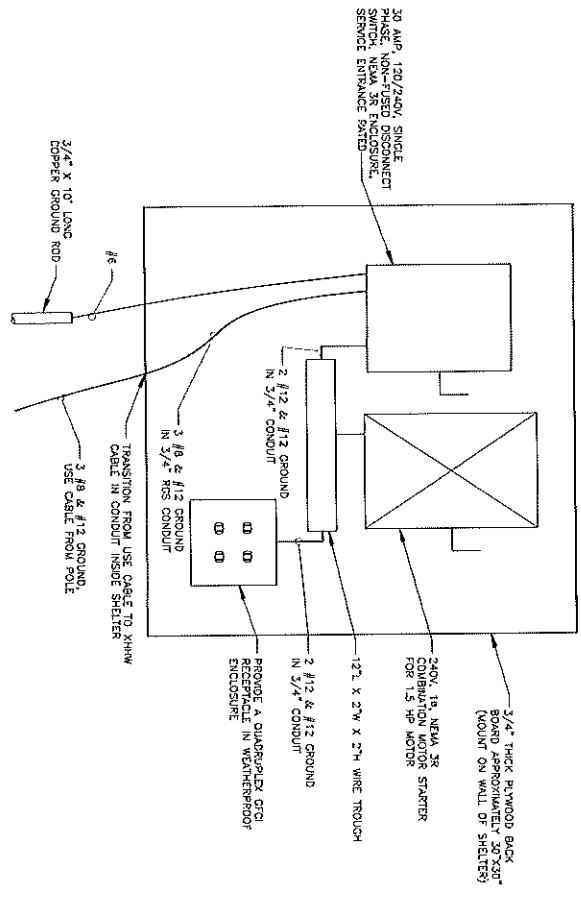
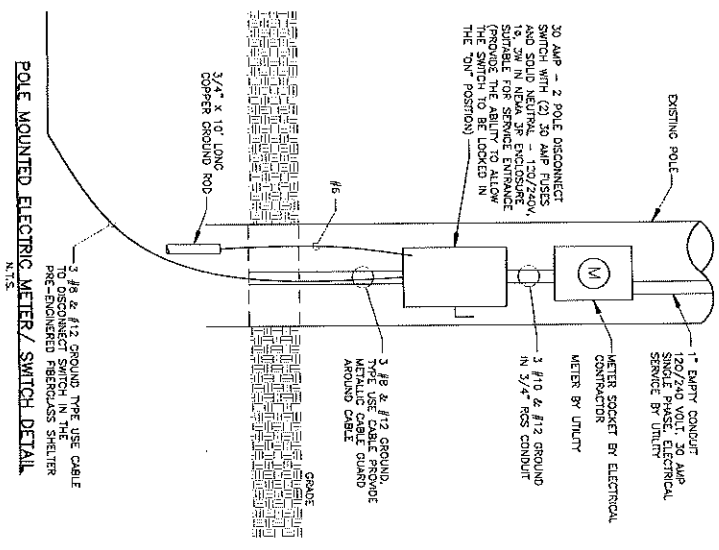
PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION CONESTOGA PINES PARK		PROJECT NO. 03130255008	DATE 02/20/13
PROJECT OWNER WEST CHESTER		DESIGNER WEST CHESTER	DATE 02/20/13
PROJECT MANAGER		DESIGNER	DATE 02/20/13
PROJECT ENGINEER		DESIGNER	DATE 02/20/13
PROJECT ARCHITECT		DESIGNER	DATE 02/20/13
PROJECT ELECTRICAL		DESIGNER	DATE 02/20/13
PROJECT MECHANICAL		DESIGNER	DATE 02/20/13
PROJECT CIVIL		DESIGNER	DATE 02/20/13
PROJECT LANDSCAPE		DESIGNER	DATE 02/20/13
PROJECT STRUCTURAL		DESIGNER	DATE 02/20/13
PROJECT TRAFFIC		DESIGNER	DATE 02/20/13
PROJECT UTILITIES		DESIGNER	DATE 02/20/13
PROJECT WATER		DESIGNER	DATE 02/20/13
PROJECT WASTE		DESIGNER	DATE 02/20/13
PROJECT SPECIALTIES		DESIGNER	DATE 02/20/13
PROJECT OTHER		DESIGNER	DATE 02/20/13

CONCRETE DIFFUSER BOX		DATE 1/18/11	DATE 02/20/13
DESIGNER	DATE 1/18/11	DATE 02/20/13	DATE 02/20/13
PROJECT NO.	03130255008	DATE 02/20/13	DATE 02/20/13
PROJECT NAME	CONESTOGA PINES PARK	DATE 02/20/13	DATE 02/20/13
PROJECT LOCATION	CONESTOGA PINES PARK	DATE 02/20/13	DATE 02/20/13
PROJECT DRAWING NO.	C-07	DATE 02/20/13	DATE 02/20/13
PROJECT SHEET NO.	B	DATE 02/20/13	DATE 02/20/13









- NOTES:
1. THE BLOWER SHALL BE CONTROLLED (ON-OFF) VIA A MERCURY FLOAT LEVEL SWITCH. PROVIDE N.O. AUXILIARY CONTACTS IN MOTOR STARTER FOR CONNECTION TO LEVEL SWITCH.
  2. THE LEVEL SWITCH SHALL BE PLACED INTO THE RECEPTACLE PROVIDED IN THE SHELTER.

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PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 COMMONWEALTH FINES PARK  
 PENNSYLVANIA  
 PROJECT NO. 00759256004



**FINAL PLANS**

ELECTRICAL DETAILS

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