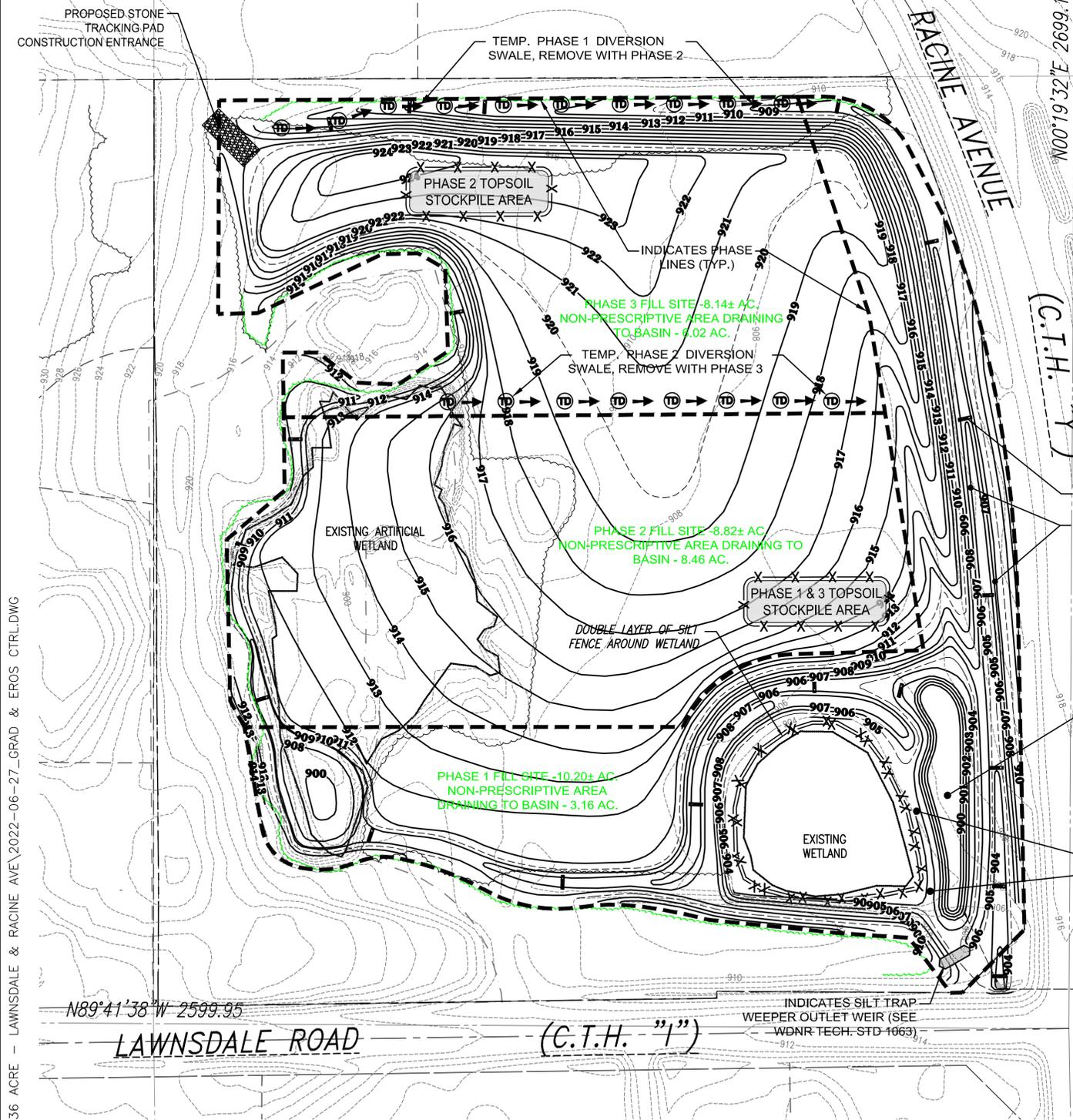


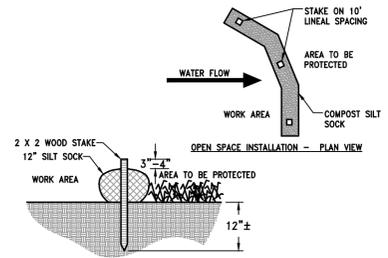
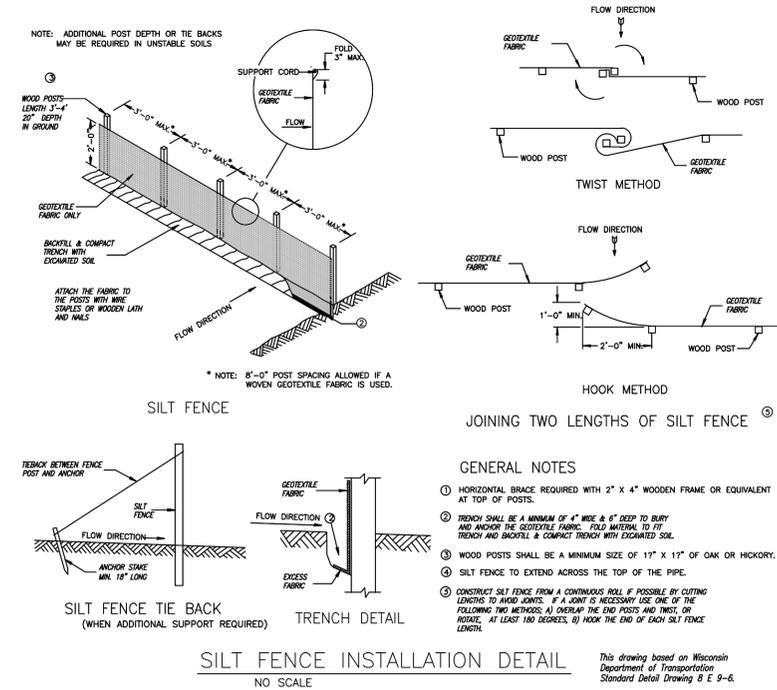
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ALL SWALES AND SLOPES GREATER THAN 4:1 TO BE STABILIZED WITH TOPSOIL, SEED, AND EROSION CONTROL MATTING. (PRESCRIPTIVE AREA)

TEMP. SILT TRAP (FUTURE RAIN GARDEN)  
 $A_{th} = 4.98$  ac.  
 $A_s = 26,394$  sf min.  
 TOP = 906.0  
 BOTTOM = 901.0 MIN.  
 WATER SURFACE = 904.5  
 10' WIDE OVERFLOW:  
 BOT. = 904.5  
 TOP = 906.0  
 (1.5' HIGH STONE WEEPER OVERFLOW)  
 (SEE WDNR TECH. STD 1063)

TEMPORARILY RAISE BERM TO 906.0 WITH CONSTRUCTION OF SILT TRAP. RETURN BE ELEVATION 904.0 WITH CONSTRUCTION OF RAIN GARDEN SPILLWAY.



**WISCONSIN DEPARTMENT OF NATURAL RESOURCES, CONSERVATION PRACTICE STANDARD:**

1052	- NON-CHANNEL EROSION MAT
1053	- CHANNEL EROSION MAT
1055	- SEDIMENT BALE BARRIER (NON-CHANNEL)
1056	- SILT FENCE
1060	- STORM INLET PROTECTION FOR CONST. SITES
1062	- DITCH CHECK
1057	- STONE TRACKING PAD AND TIRE WASHING
1058	- MULCHING FOR CONSTRUCTION SITES
1059	- TEMPORARY SEEDING
1061	- DE-WATERING
1063	- SEDIMENT TRAP
1064	- SEDIMENT BASIN

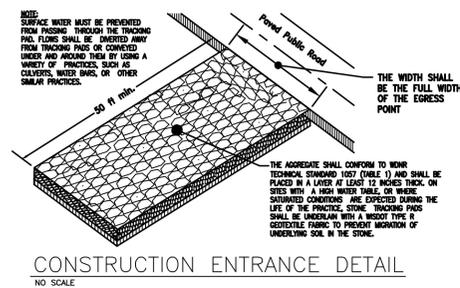
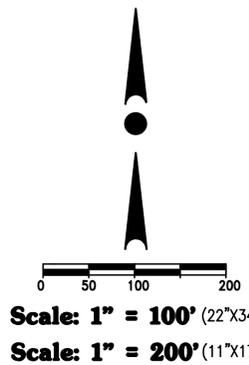
**CONSTRUCTION SEQUENCE PLAN**

- PHASE 1**
- INSTALL TRACKING PAD AT SITE ACCESS POINT.
  - CLEAR AND GRUB SITE.
  - STRIP TOPSOIL FROM PHASE 1, BEGINNING FIRST WITH SILT TRAP AREA.
  - CONSTRUCT SILT TRAP, FUTURE RAIN GARDEN.
  - BEGIN MASS GRADING OF THE SITE. MASS GRADING MAY ONLY OCCUR/CONTINUE AFTER EROSION CONTROL MEASURES ARE INSTALLED/CONSTRUCTED (SILT TRAP, SWALES, DITCH CHECKS, ETC).
  - INSTALL TEMPORARY DIVERSION SWALES, PER PLAN.
  - ROUGH GRADE SITE. NOTE THAT ROUGH GRADING MAY OCCUR CONCURRENT WITH CONSTRUCTION OF THE DIVERSION SWALES.
  - 7.1 DISTURBED SLOPES OF DIVERSION SWALES AND SILT TRAP TO BE RESTORED IMMEDIATELY (WITHIN 7 DAYS OF DISTURBANCE) WITH TOPSOIL, SEED AND EROSION MATTING.
  - FINISH GRADE THE PHASE 1 SITE. NOTE.
  - STABILIZE FINISHED PHASE 1 GRADES WITH TOPSOIL, SEED AND MULCH. PROVIDE TOPSOIL, SEED AND BLANKET TO ALL SWALES AND SLOPES OVER 4:1 SLOPE.
  - REMOVE ALL SEDIMENT FROM SILT TRAP AND STABILIZE DISTURBED AREA.
- PHASE 2**
- CLEAR AND GRUB SITE.
  - STRIP TOPSOIL FROM PHASE 2, BEGINNING FIRST WITH SILT TRAP AREA.
  - REMOVE TEMPORARY DIVERSION SWALES AS INDICATED ON PLAN.
  - BEGIN MASS GRADING OF THE SITE. MASS GRADING MAY ONLY OCCUR/CONTINUE AFTER EROSION CONTROL MEASURES ARE INSTALLED/CONSTRUCTED (SILT TRAP, SWALES, DITCH CHECKS, ETC).
  - FINISH GRADE THE PHASE 2 SITE. NOTE.
  - STABILIZE FINISHED PHASE 2 GRADES WITH TOPSOIL, SEED AND MULCH. PROVIDE TOPSOIL, SEED AND BLANKET TO ALL SWALES AND SLOPES OVER 4:1 SLOPE.
  - REMOVE SILT TRAP AND COMPLETE BIO-FILTRATION BASIN BY REMOVING ALL ACCUMULATED SEDIMENT AND RESTORING ALL DISTURBED SLOPES, PER PLAN. SEED, MULCH AND STABILIZE SLOPES, AS NECESSARY.
  - REMOVE ALL ACCUMULATED SEDIMENT FROM PERMANENT PERIMETER SWALES AND STABILIZE DISTURBED AREAS WITH SEED AND BLANKET, AS NECESSARY.
  - LATE SEASON (AFTER OCTOBER 15) STABILIZATION NOTES:
  - 26.1. ALL AREAS THAT WILL REMAIN DISTURBED AFTER OCTOBER 15 MUST BE TEMPORARY SEEDED AS OF THAT DATE.
  - 26.2. ANY FINAL SITE STABILIZATION THAT OCCURS AFTER OCTOBER 15 MAY REQUIRE CONTRACTOR TO COVER DISTURBED AREAS WITH THE ANIONIC FORM OF POLYACRYLAMIDE (PAM), PER WDNR TECHNICAL STANDARD 1050 AND WisDOT PAL LIST. CONTRACTOR SHALL COORDINATE WITH VILLAGE ENGINEER AND WDNR FOR LATE SEASON STABILIZATION REQUIREMENTS.

**CONTRACTOR IS REQUIRED TO CONTACT DIGGERS HOTLINE TOLL FREE TO OBTAIN LOCATION OF UNDERGROUND UTILITIES PRIOR TO COMMENCING THE WORK. WISCONSIN STATUTE 182.0715 REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.**

**CALL DIGGERS HOTLINE 1-800-242-8511**

**NOTE:**  
 EXISTING UNDERGROUND UTILITY INFORMATION WAS OBTAINED FROM AVAILABLE RECORDS. THE ENGINEER MAKES NO GUARANTEE AS TO THE ACCURACY OF THIS INFORMATION. VERIFICATION TO THE SATISFACTION OF THE CONTRACTOR OF ALL UNDERGROUND UTILITIES, WHETHER OR NOT SHOWN ON THE PLANS, SHALL BE ASSUMED AS A CONDITION OF THE CONTRACT. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN LOCATION OF UTILITIES IN THE FIELD AND LOCATIONS SHOWN ON THE PLANS.



**LEGEND:**

--- 850 ---	- EXISTING CONTOUR
--- 900 ---	- PROPOSED CONTOUR
X X	- PROPOSED SILT FENCE
○	- PROPOSED INLET PROTECTION
■	- PROPOSED TRACKING PAD
TD →	- PROPOSED DIVERSION SWALE
— —	- PROPOSED DITCH CHECK

**WISCONSIN PROFESSIONAL ENGINEER**  
 PAUL J. JENSWOLD  
 E-34365  
 MILWAUKEE, WI

**TRIO**  
 CIVIL ENGINEERING

4100 N. CALHOUN RD.  
 BROOKFIELD, WI 53005  
 PHONE: (262) 790-1480  
 FAX: (262) 790-1481  
 EMAIL: jpd@trioeng.com

**PROJECT:**  
**KOHLER PIT**  
 FILL SITE  
 CITY OF NEW BERLIN, WISCONSIN  
 BY: KOHLER PIT, INC.  
 20640 W KOHLER CT  
 NEW BERLIN, WI 53146

**REVISION HISTORY**

DATE	DESCRIPTION
2/3/22	NITIAL SUBMITTAL
05/26/22	per VILLAGE REVIEW
07/01/22	GRADING REVISIONS

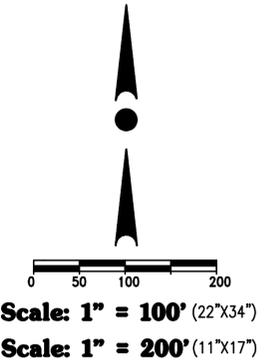
**DATE:**  
 JULY 1, 2022

**JOB NUMBER:**  
 07007

**DESCRIPTION:**  
 EROSION CONTROL PLAN

**SHEET**  
 C1.2

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**Scale: 1" = 100'** (22"x34")  
**Scale: 1" = 200'** (11"x17")

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**WISCONSIN**  
 PAUL J. JENSWOLD  
 E-34365  
 MILWAUKEE, WI  
 PROFESSIONAL ENGINEER

**TRIO**  
 DESIGN • LAND SURVEYING  
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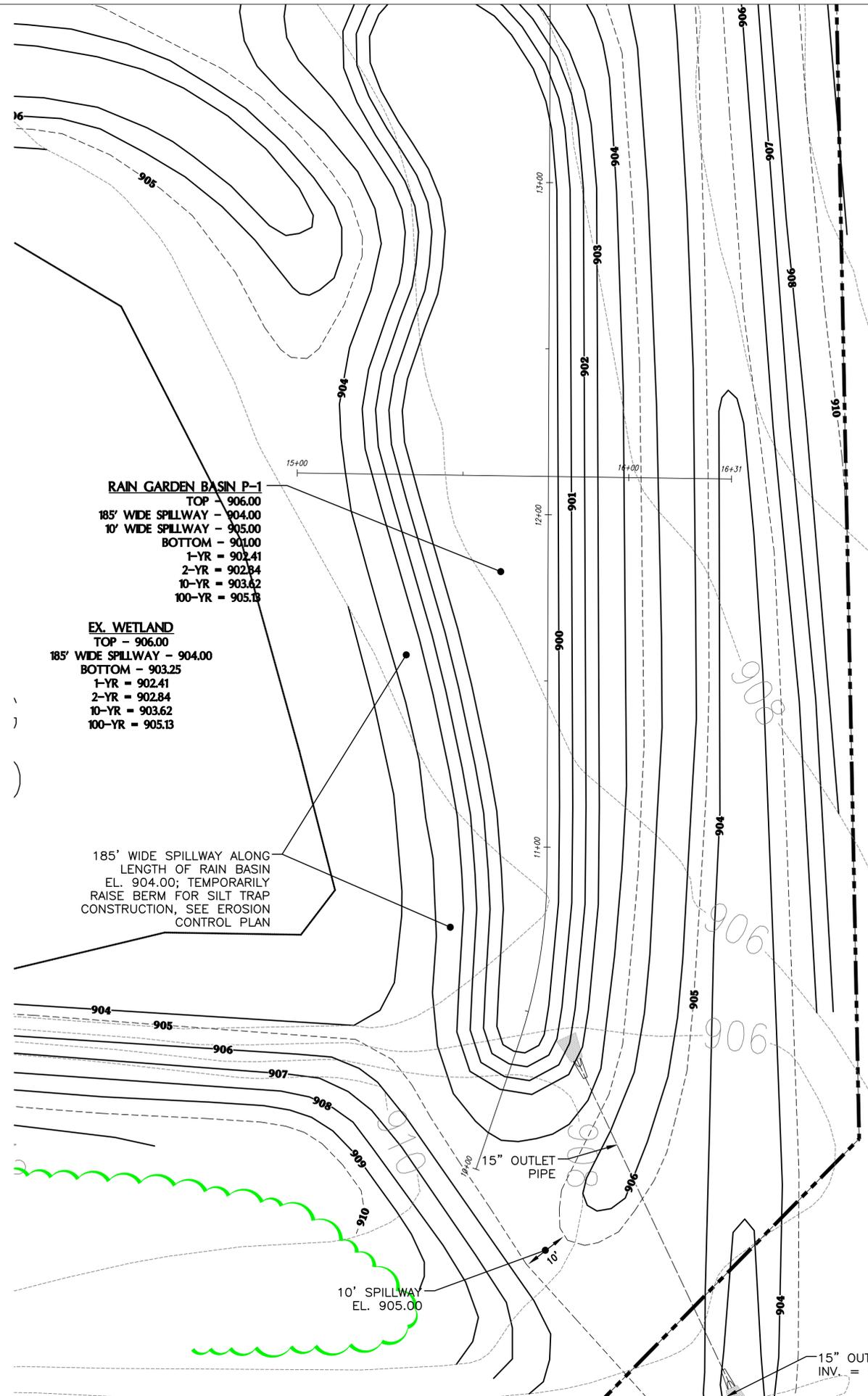
**DATE:**  
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**DESCRIPTION:**  
 INTERIM  
 GRADING PLAN

**SHEET**  
**C1.0**

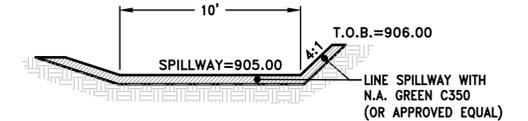
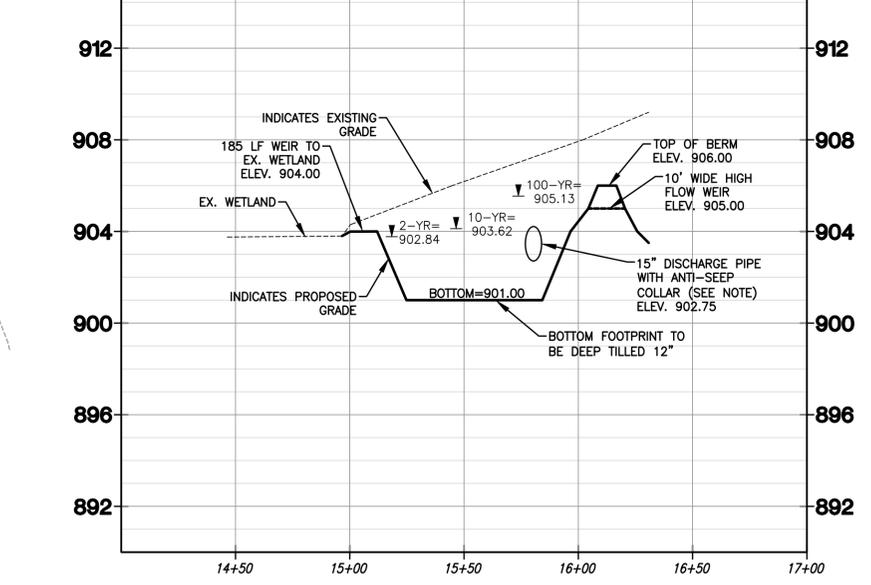
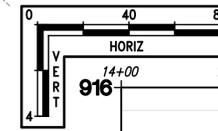
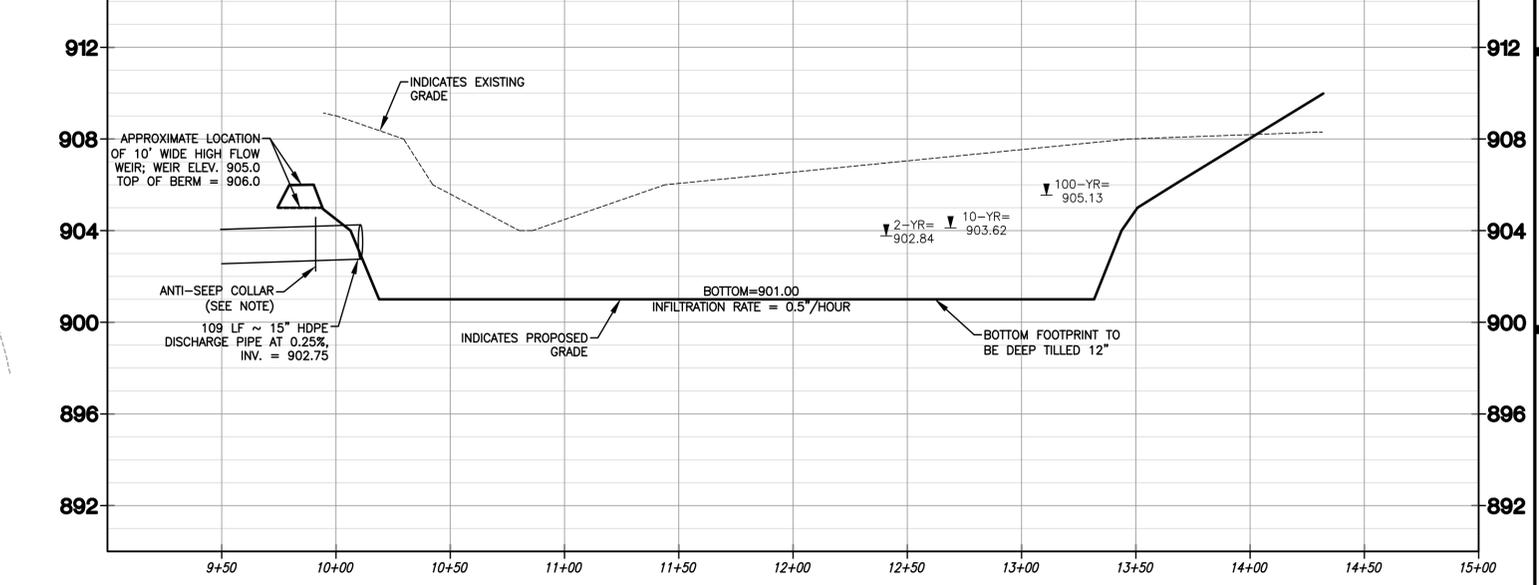
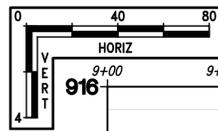
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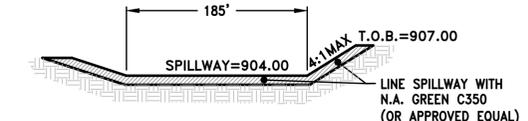
**RAIN GARDEN BASIN P-1**  
 TOP - 906.00  
 185' WIDE SPILLWAY - 904.00  
 10' WIDE SPILLWAY - 905.00  
 BOTTOM - 901.00  
 1-YR = 902.41  
 2-YR = 902.84  
 10-YR = 903.62  
 100-YR = 905.13

**EX. WETLAND**  
 TOP - 906.00  
 185' WIDE SPILLWAY - 904.00  
 BOTTOM - 903.25  
 1-YR = 902.41  
 2-YR = 902.84  
 10-YR = 903.62  
 100-YR = 905.13

185' WIDE SPILLWAY ALONG LENGTH OF RAIN BASIN EL. 904.00; TEMPORARILY RAISE BERM FOR SILT TRAP CONSTRUCTION, SEE EROSION CONTROL PLAN



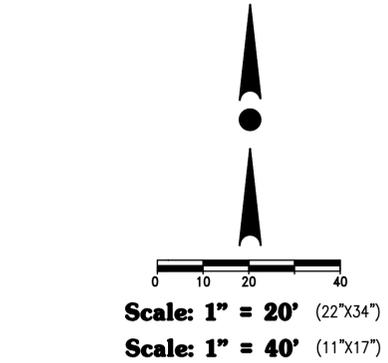
10' OVERFLOW SPILLWAY DETAIL  
 NO SCALE



185' OVERFLOW SPILLWAY DETAIL  
 NO SCALE

- RAIN GARDEN BASIN CONSTRUCTION GENERAL NOTES**
1. TRACKED EQUIPMENT AND LOW WEIGHT VEHICLES SHALL BE USED TO CONSTRUCT RAIN GARDEN.
  2. RAIN GARDEN SHALL BE CONSTRUCTED IN A MANNER THAT MINIMIZES SOIL COMPACTION.
  3. IF NOT OTHERWISE SPECIFIED ON LANDSCAPE PLAN, RAIN GARDEN SHALL BE STABILIZED WITH STORM WATER BIOFILTRATION SEED MIX, BY AGRECOL NATIVE NURSERY.
  4. ALL RAIN GARDEN SLOPES 4:1 OR GREATER SHALL BE PROVIDED WITH CLASS I, TYPE A EROSION MATTING.
  5. CONTRACTOR TO COORDINATE SOIL TESTS, WHICH SHOULD BE COMPLETED PRIOR TO RAIN GARDEN CONSTRUCTION TO ENSURE THAT A MIN. INFILTRATION RATE OF THE NATIVE SOILS IS OBTAINED. OVER-EXCAVATING OF NATIVE SOILS AND BACKFILLING WITH ENGINEERED SOIL MAY BE REQUIRED PER THE RESULTS OF THE SOIL TESTING. ENGINEERED SOIL SHALL BE 75% GRANULAR SOILS & 25% COMPOST, BASED ON VOLUME. A QUALIFIED SOILS PROFESSIONAL SHALL BE ON-SITE TO VERIFY THAT APPROPRIATE DEPTHS ARE REACHED TO HELP ENSURE THE RAIN GARDEN FUNCTIONS PROPERLY.

**TWO-PIECE ANTI-SEEP COLLAR NOTES:**  
 - ANTI-SEEP COLLAR MATERIAL SHALL MATCH OUTLET PIPE MATERIAL.  
 - ANTI-SEEP COLLARS SHALL BE 1/4" POLYETHYLENE SHEETS WITH COLLAR FOR PIPE; DIMENSIONS SHALL BE AS NOTED ON THE DETAIL.  
 - INSTALL ANTI-SEEP COLLARS PER MANUFACTURER SPECIFICATIONS.



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 POND PLAN

**SHEET**  
**C1.1**