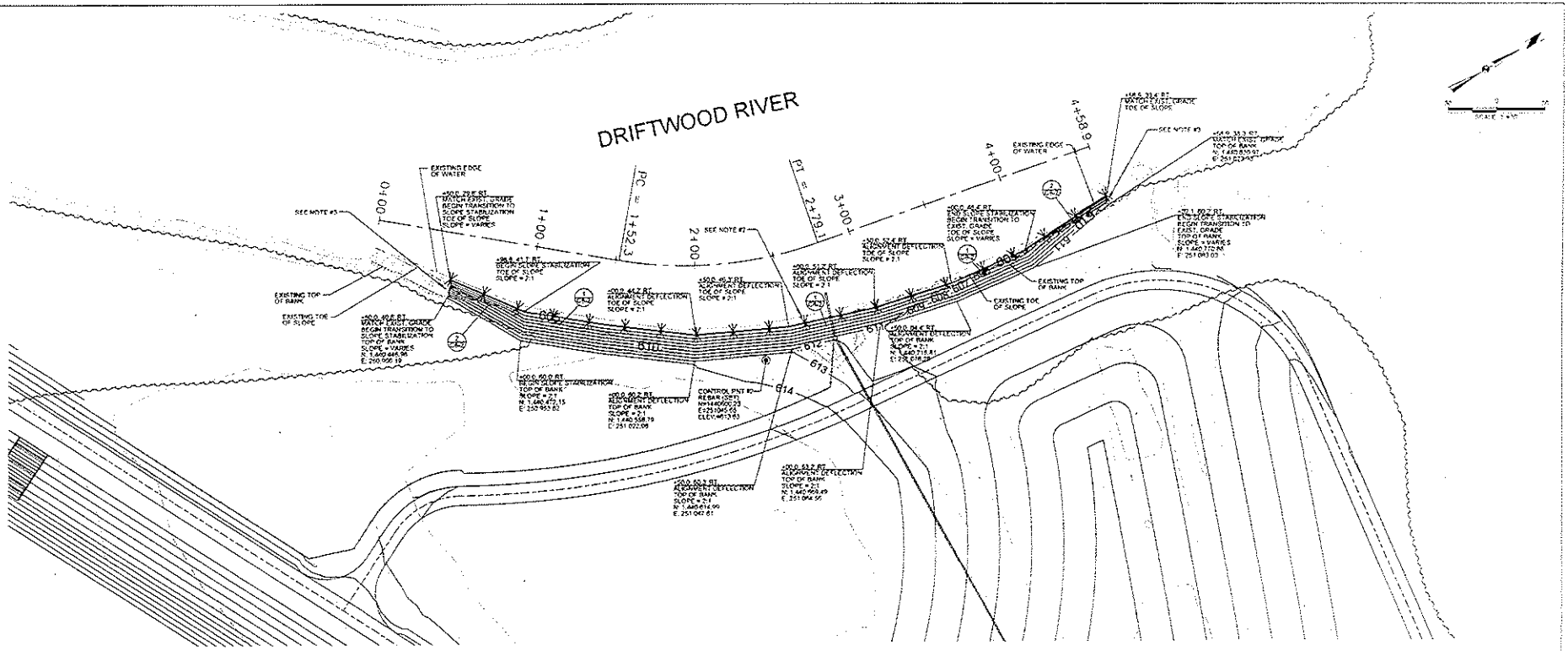
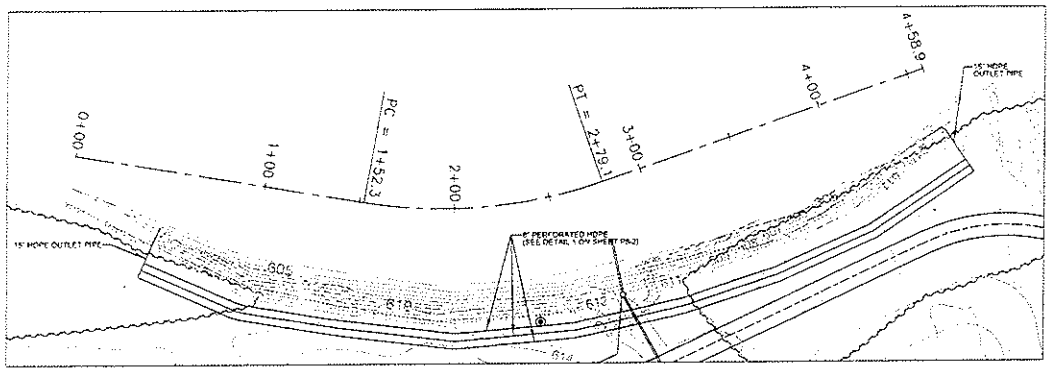




DRAINAGE SYSTEM DETAIL
SCALE: 1"=30'

PERMIT PLANS
NOT FOR CONSTRUCTION

NOTES:
1. SEE SHEETS P4-1 THROUGH P4-3 FOR SITE GRADING INFORMATION
2. GENERAL LOCATION OF 8-STREAM MUB PRECAST ARMORING UNIT SEE SHEETS P4-2 THR SPECIFICATION LOCATION
3. PROPOSED STABILIZATION CONTOURS MAY NOT NECESSARY MATCH THE EXISTING CONTOURS AS SHOWN. PROPOSED CONTOURS MATCH ADDITIONAL MORE DETAILED EXISTING SDP INFORMATION NOT SHOWN ON THIS SHEET

CHRISTOPHER B. BURKE ENGINEERING, LTD.
50 Washington Street
Suite 2A
Columbus, Indiana 47201
(812) 376-9252 FAX: (812) 376-9260

BROWNING DAY MULLINS DIERDORF LANDSCAPE ARCHITECTS

PROJECT: COLUMBUS SPORTS COMPLEX BORROW SITE
BARTHOLOMEW COUNTY, INDIANA

NO.	DATE	NATURE OF REVISION

FILE NAME: K:\2007\07-067\Design\Columbus Sports Complex\07-067 P8-1.dwg

DSGN.	DLH
DWN.	TG
CHKD.	DLK
SCALE:	1"=30'
DATE:	10/08/07

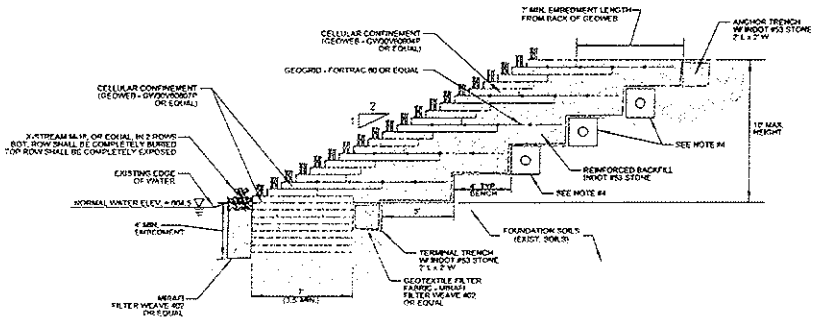
APPROVED:

TITLE: RIVER BANK STABILIZATION PLAN

PROJECT NO. 07-067
SHEET OF
DRAWING NO. P8-1

SEEDING TABLE

Common Name	Scientific Name	Ounces/Acre
Grasses		
Riverbank Turnsock Sedge	*Carex cryptolepis*	2
Gray's Sedge	*Carex grayii*	4
Fox Sedge	*Carex vulpinoidea*	4
Northern Sea Oats	*Chasmanthium latifolium*	48
Canada Wild Rye	*Elymus canadensis*	64
Bottlebrush Grass	*Elymus hystrix*	24
Riverbank Wild Rye	*Elymus riparius*	64
Virginia Wild Rye	*Elymus virginicus*	80
Fowl Manna Grass	*Glyceria striata*	8
Switch Grass	*Panicum virgatum*	8



NOTE 1. GEOWEB CELLULAR CONFINEMENT TO BE INFILLED WITH #53 STONE AS INDICATED, EXCEPT OUTERMOST CELL WHICH SHALL BE INFILLED WITH A BLENDED TO INDOT #8 STONE AND 10 PULVERIZED TOPSOIL AND VEGETATED PER THE REQUIREMENTS OF THE SEEDING TABLE ON THIS SHEET. OUTERMOST CELL SHALL ALSO BE WRAPPED WITH NORTH AMERICAN GREEN C125 EROSION CONTROL BLANKET (CUT IN HALF-ROLL WIDTHS) OR EQUAL.

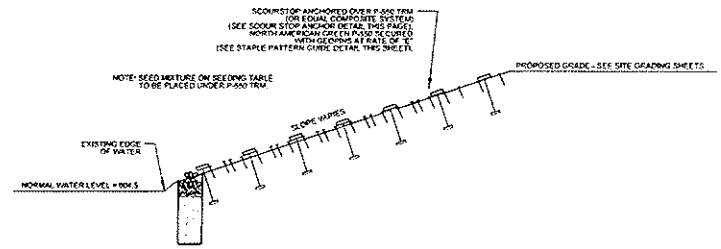
2. ALL SPECIFIED MATERIALS, OR THEIR APPROVED EQUALS, SHALL BE INSTALLED PER THE RECOMMENDATIONS AND REQUIREMENTS OF THE MANUFACTURER.

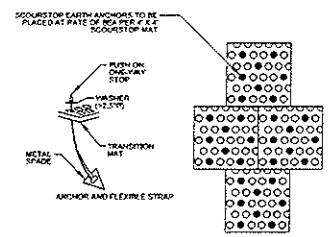
3. ALL AGGREGATE SPECIFIED IN THIS DETAIL SHALL MEET THE INDOT REQUIREMENTS FOR EACH MATERIAL. CONTRACTOR SHALL REFER TO THE PROJECT SPECIFICATIONS FOR REQUIRED SUBMITTALS PRIOR TO THE ACCEPTANCE OF ANY AGGREGATE MATERIALS.

4. INSTALL 8" PERFORATED HDPE IN A 2'x2' TRENCH BACKFILLED WITH INDOT #8 STONE. TRENCH SHALL BE INDEPENDENTLY WRAPPED WITH GEOTEXTILE FILTER FABRIC (MIRAFI FILTER WEAVE 402 OR EQUAL). HDPE PIPE SHALL BE WRAPPED WITH FILTER FABRIC PER PIPE MANUFACTURER'S RECOMMENDATIONS.

REINFORCED SOIL SLOPE STABILIZATION TYPICAL SECTION

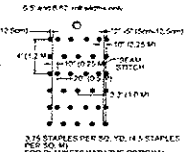
1 / C6-1 Not to Scale





SCOURSTOP ANCHORING DETAIL

NOTE: WHEN USING PERMANENT WHAT TURF REINFORCEMENT MAT UTILIZE 10' GEORING AT RATE EQUAL TO PATTERN "E" WITH ADDITIONAL PINS AS REQUIRED BY PROJECT ENGINEER AND/OR SITE CONDITIONS TO ENSURE INTIMATE CONTACT BETWEEN THE SOIL SURFACE AND TRM.



STAPLE PATTERN "E" GUIDE

TRANSITION AREA SLOPE TREATMENT TYPICAL SECTION

2 / C6-1 Not to Scale

PERMIT PLANS
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BROWNING DAY MULLINS DIERDORF LANDSCAPE ARCHITECTS

PROJECT: COLUMBUS SPORTS COMPLEX BORROW SITE

BARTHOLOMEW COUNTY, INDIANA

NO.	DATE	NATURE OF REVISION	CHKD.

FILE NAME: R:\PROJECTS\Columbus Sports Complex\Borrow Site\C6\CONT\XXX_P8-2.dwg

DWN.		DLK
CHKD.		TO
CHKD.		DLK
SCALE:		AS NOTED
DATE:		10/20/2010

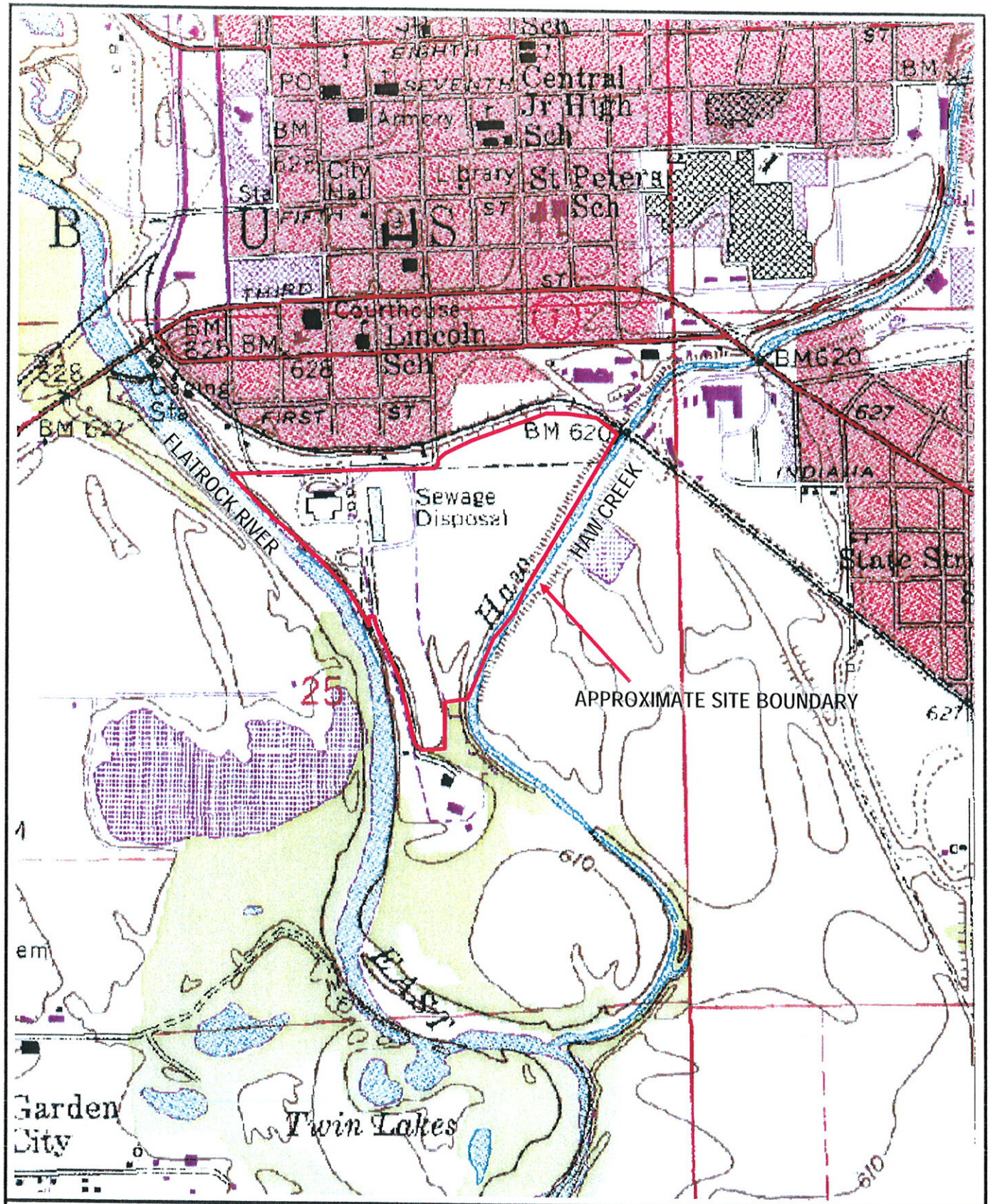
CERTIFIED:

TITLE: RIVERBANK STABILIZATION TYPICAL SECTIONS

PROJECT NO. 07-0630

SHEET OF

DRAWING NO. P8-2



WILLIAMS CREEK CONSULTING

919 North East Street
Indianapolis, IN 46202
Tel: 317-423-0690
Fax: 317-423-0696

N

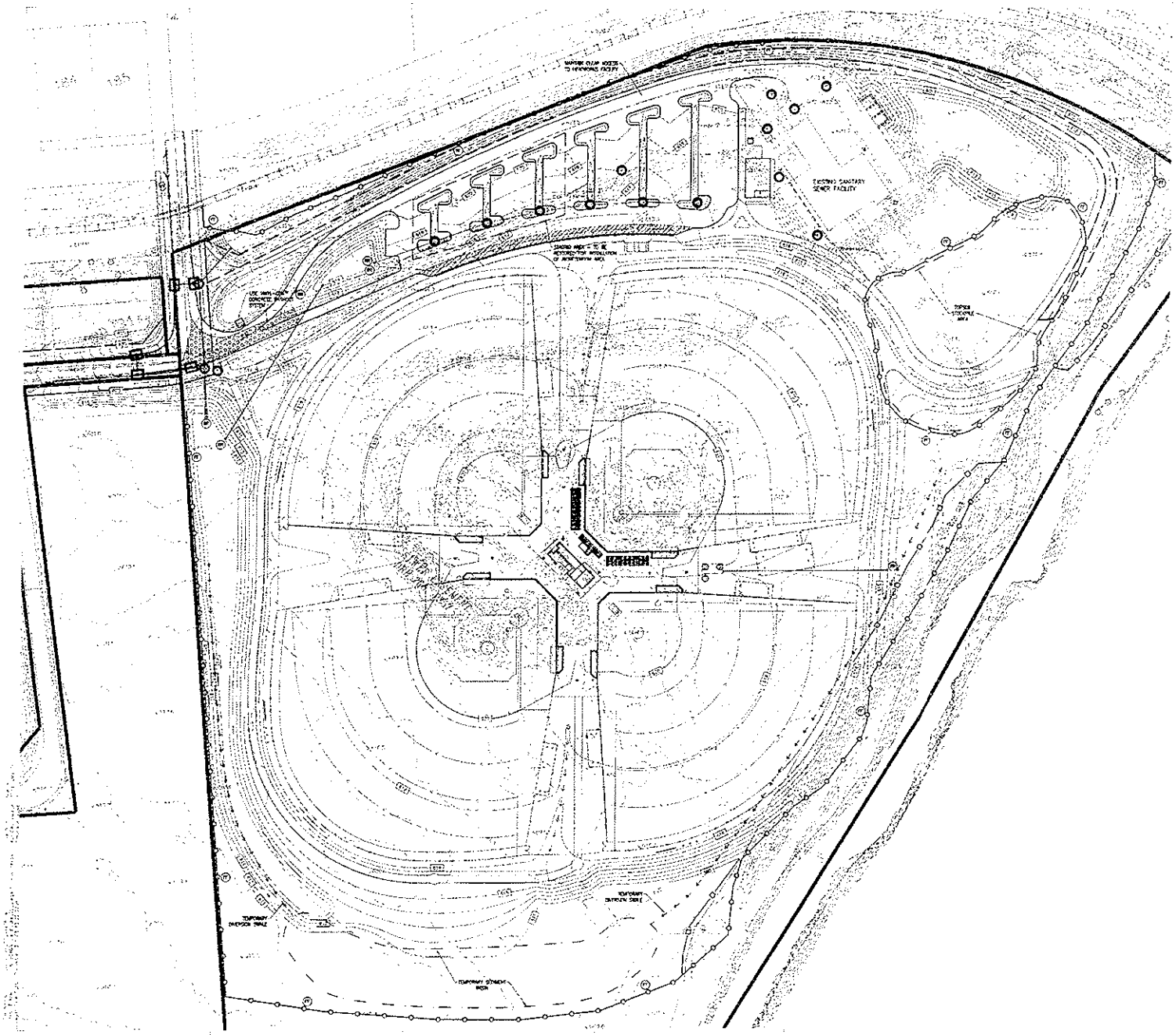
1" ≈ 1,000'

FIGURE 1
USGS Topographic Map
Columbus Quadrangle
Columbus Outdoor Sports Venue
Bartholomew County, Indiana

Prepared for:
RATIO Architects

Project No.
01.0370.A.2

Date:
August 2010



NORTH

LEGEND

PROPOSED GRADE DRAIN
PROPOSED CONTOUR
EXISTING CONTOUR
PROPOSED STORM SEWER
PROPOSED STORM STRUCTURE
PROPOSED DRAINAGE TRENCH
PROPOSED INLET PROTECTION
PROPOSED SILT FENCE
PROPOSED DIVERSION SWALE
PROPOSED DIVERSION SWALE
PROPOSED INLET PROTECTION
PROPOSED SILT FENCE
PROPOSED DIVERSION SWALE
PROPOSED DIVERSION SWALE
PROPOSED INLET PROTECTION
SILT FENCE
SILT FENCE
NORTH

811
Know what's below.
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COLUMBUS OUTDOOR SPORTS VENUE

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107 South Pennsylvania Street
Indianapolis, Indiana 46204
(317) 633-4040

MEP Engineer
John Oberlies Consulting Engineers Inc.
10 S. New Jersey St. Suite 320
Indianapolis, Indiana 46204
(317) 636-3741

Structural Engineer
Lawson Elser Engineering Consultants
350 East Carmel Drive, Suite 150
Carmel, Indiana 46032
(317) 574-5499

Civil Engineer
Strand Associates, Inc.
629 Washington Street
Columbus, Indiana 47201
(812) 372-0911

Williams Creek Consulting
Rebecca Building
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(317) 423-0290

Irrigation Consultant
LandTech Irrigation
8420 Zionsville Road
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1422 Sadler Circle West Drive
Indianapolis, Indiana 46239
(317) 356-1185

BID DOCUMENTS

SHEET ISSUE Sep 24, 2010
REISSUE

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10038.000

RATIO

SHEET TITLE
SWPPP PLAN

SHEET NUMBER
C-104