

**LEGEND**

- EROSION CONTROL NOTICE SIGN
- SEDIMENT FENCE (PRACTICE 3.74)
- EXISTING CONTOUR
- PROPOSED CONTOUR
- TEMPORARY GRAVEL (PRACTICE 3.01-B OR 3.01-C) CONSTRUCTION ENTRANCE / EXIT PAD
- CONCRETE WASHOUT BASIN - LINE DEPRESSION W/ FABRIC & RING PERIMETER GEOTEXTILE W/STRAW BALE STAKED THRU GEOTEXTILE, AND POSTED SIGN "CONCRETE WASHOUT AREA"
- VEGETATIVE FILTER STRIP (PRACTICE 3.73)
- MOTORIZED HEAVY EQUIPMENT PARKING, MAINTENANCE & REFUELING AREA
- SOIL STOCKPILES W/ PERIMETER SILT FENCE (PRACTICE 3.02)
- PERMANENT DIVERSION BERM (PRACTICE 3.22)
- EROSION CONTROL BLANKET (PRACTICE 3.17) (SEE DRAINAGE DETAILS)
- BRIDGE SCOUR RIP RAP PROTECTION (PRACTICE 902) INDIANA DRAINAGE HANDBOOK RIP RAP SLOPE PROTECTION (PRACTICE 3.16) RIP RAP LINED CHANNEL (PRACTICE 3.32) RIP RAP ROCK CHUTE (PRACTICE 3.41) (SEE DRAINAGE DETAILS)
- FABRIC DROP INLET PROTECTION (PRACTICE 3.52) STRAW BALE DROP INLET PROTECTION (PRACTICE 3.54) GRAVEL CURB INLET PROTECTION (PRACTICE 3.61)
- STRAW BALE DAMS (PRACTICE 3.75)
- RIP RAP CHECK DAM (PRACTICE 3.76) (SEE DRAINAGE DETAILS)
- RIP RAP CHECK DAM (PRACTICE 3.25)

Owner: Dennis V. Owens  
1101 N. 4th Avenue  
Evansville, Indiana 47710  
Phone: (812) 423-2334

**NOTE:**  
COPY OF EROSION AND SEDIMENT CONTROL PLAN (INCLUDES THIS DRAWING AND NARRATIVE REPORT) NEEDS TO BE MAINTAINED ON THE SITE AT ALL TIMES DURING CONSTRUCTION

**NOTES**

1. THE OWNER SHALL POST A NOTICE NEAR ENTRANCE OF THE PROJECT SITE. THE NOTICE MUST BE MAINTAINED IN A LEGIBLE CONDITION AND CONTAIN THE FOLLOWING INFORMATION:  
(A) COPY OF THE NOI LETTER AND THE NPDES PERMIT NUMBER  
(B) NAME, COMPANY NAME, TELEPHONE NUMBER, & ADDRESS OF THE PROJECT SITE OWNER  
(C) LOCATION OF THE CONSTRUCTION PLAN IF THE PLAN IS NOT STORED ON-SITE.
2. ALL DETAILS AND PRACTICE STANDARDS ARE SHOWN IN THE INDIANA HANDBOOK FOR EROSION CONTROL IN DEVELOPING AREAS. THE CONTRACTOR MUST OBTAIN AND HAVE A COPY OF THIS HANDBOOK ON SITE DURING ALL EARTHWORK ACTIVITIES.
3. CONSTRUCT TEMPORARY GRAVEL CONSTRUCTION ENTRANCE / EXIT PAD BEFORE COMMENCING CONSTRUCTION ACTIVITIES. (SEE PRACTICE 3.01-B OR 3.01-C)
4. ALL DISTURBED AREAS TO HAVE SEEDING, FERTILIZER AND MULCHING UPON COMPLETION OF FINAL GRADING. (REFER TO PRACTICE 3.12 FOR SEEDING SPECIFICATIONS)
5. LIMITS OF CONSTRUCTION TO BE MARKED USING COLOR-CODED FLAGGING DURING CONSTRUCTION.
6. BULK CLEARING OF SEDIMENT FROM PAVEMENT BY FLUSHING WITH WATER SHALL NOT BE PERMITTED.
7. THE EROSION CONTROL PLANS ARE GENERAL GUIDELINES FOR THE CONTRACTOR TO FOLLOW. THE CONTRACTOR IS STILL REQUIRED TO KEEP ALL SEDIMENT OFF PUBLIC ROADS AND MUST FOLLOW ALL OTHER GUIDELINES AS SPECIFIED IN THE INDIANA HANDBOOK FOR EROSION CONTROL IN DEVELOPING AREAS. CONTRACTOR MUST POST AND PROVIDE ENGINEER WITH ANY CHANGES TO THE SEDIMENT CONTROL PLAN AS CONSTRUCTION PROGRESSES. IF CONTRACTOR NEEDS TO ACCESS THE SITE FROM OTHER LOCATIONS HE MUST PROVIDE A TEMPORARY GRAVEL CONSTRUCTION ENTRANCE / EXIT PAD AS SPECIFIED IN THE INDIANA HANDBOOK FOR EROSION CONTROL IN DEVELOPING AREAS.
7. IF ANY EROSION CONTROL MEASURE IS NOT SUFFICIENT THE CONTRACTOR SHALL ADD ADDITIONAL CONTROL MEASURES AND THEN MODIFY THE PLAN TO INCLUDE THOSE MEASURES.
9. GRASS-LINED CHANNELS TO BE CONSTRUCTED TO HAVE 3:1 MAX. SLOPES AND A GRADE RESTRICTED TO SLOPES 5% OR LESS (REFER TO PRACTICE 3.31).
10. ALL UNVEGETATED AREA LEFT INACTIVE FOR FIFTEEN (15) DAYS OR MORE SHALL BE TEMPORARILY OR PERMANENTLY STABILIZED WITH MEASURES APPROPRIATE FOR SEASON TO MINIMIZE EROSION POTENTIAL.
11. STRAW BALE FILTERS AND/OR SILT FENCE MAY BE REQUIRED AT LOCATIONS OTHER THAN THOSE INDICATED ON THIS PLAN. THE CONTRACTOR SHALL INSTALL SUCH FILTERS AS NEEDED TO INSURE THAT RUNOFF FROM DISTURBED AREAS DOES NOT LEAVE THE SITE WITHOUT BEING TREATED.
12. FLOW AND EROSION CONTROL FOR DITCHES: SLOPES OF 0% TO 0.8% SHALL HAVE A CONCRETE FIBROUS TO PRESERVE A SMOOTH FLOW LINE. SLOPES OF 0.8% TO 1% SHALL BE SEEDED AND MULCHED. SLOPES OF 1% TO 4% SHALL BE SCORED OR STABILIZED WITH AN EROSION CONTROL MAT. SLOPES OF 4% OR GREATER SHALL HAVE STAKED SOO. SLOPES OVER 6% REQUIRE RIP RAP OR OTHER APPROVED STABILIZATION. DITCH SLOPES OVER 2% SHALL HAVE EROSION CONTROL MAT ON THE SIDE BANKS.
13. TOPSOIL SHALL BE STOCKPILED AND STRATEGICALLY LOCATED THROUGHOUT THE SITE. SILT FENCE SHALL BE TEMPORARILY INSTALLED AROUND ALL STOCKPILES TO PREVENT RUNOFF.
14. PROTECT ALL INLETS IN PAVED ROADWAYS WITH SANDBAG CURB INLET SEDIMENT BARRIER (PRACTICE 3.64)
15. ALL DISTURBED AREAS WITHIN FLOODWAY LIMITS TO HAVE SEEDING, FERTILIZER, AND MULCHING (REFER TO PRACTICE 3.13 FOR DORMANT AND FROST SEEDING SPECIFICATIONS UNTIL TEMPERATURES EXCEED 50 DEGREES FAHRENHEIT, THEN REFER TO PRACTICE 3.11 TEMPORARY SEEDING). THE OWNER/DEVELOPER SHALL PERFORM INSPECTIONS TO OBSERVE IF EROSION/SEDIMENT CONTROL MEASURES (ESCM) ARE OPERATING CORRECTLY. REPAIRS TO ESCM TO BE DONE WITHIN 24 HOURS OF INSPECTION.

EXISTING VEGETATED AREA PER AUGUST 2000 AERIAL PHOTO WITHIN FLOODWAY LIMITS AREA= 2.093 ACRES  
ALONG EASTERN UNNAMED TRIBUTARY AREA= 0.629 ACRES  
PROPOSED VEGETATED AREA PER PLAN AREA= 4.094 ACRES

**CHANNEL SEED MIX**  
TEMPERATURE RETENTION BASIN FLOOR SEEDING SEEDING RATE: 20 POUNDS PER ACRE

SCIENTIFIC NAME	COMMON NAME
20% AGROSTIS ALBA	REDDOP
20% AGROSTIS STOLONIFERA	CREeping BENTGRASS
20% ELYMUS VIRGINICUS	VIRGINIA WILD RYE
20% CAREX VULPINOIDEA	FOX SEDGE
20% PULICINELLA DISTANS	ALKALI GRASS

**SOUTH PROPERTY SEED MIX**  
TENBERGE LDW MAINTENANCE MIX SEED 250 POUNDS PER ACRE

40% BIGHORN SHEEP FESCUE	FESTUCA OVINA
40% DISCOVERY HARD FESCUE	FESTUCA OVINA
20% SHADOW II CHEWINGS FESCUE	FESTUCA OVINA

**Mitigation Plant Table (Trees)**  
Use 5 of Listed Species, Plant Size Minimum 2-inch Dia @ Breast Height. Two species species to be Oak, no species should represent more than 30% of all species planted. Plants to be Installed Every 10-Footer Center to Center Each Row

Common Name	Scientific Name	Common Name	Scientific Name
American Hazelnut	Corylus Americana	American Hazelnut	Corylus Americana
Smooth Hydrangea	Hydrangea Arborescens	Smooth Hydrangea	Hydrangea Arborescens
Rosa Carolina	Carolina Rose	Rosa Carolina	Carolina Rose
American Bladdernut	Staphelia Trifolia	American Bladdernut	Staphelia Trifolia
Mapleleaf Viburnum	Viburnum Acerfolium	Mapleleaf Viburnum	Viburnum Acerfolium
Dwarf Chinquapin Oak	Quercus Prinosides	Dwarf Chinquapin Oak	Quercus Prinosides
Blackhaw	Viburnum Prunifolium	Blackhaw	Viburnum Prunifolium
Southern Blackhaw	Viburnum RudiFolium	Southern Blackhaw	Viburnum RudiFolium

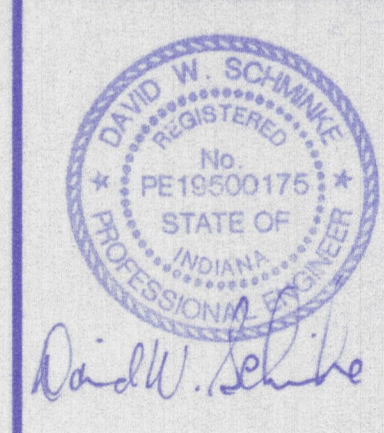
**Kohls Lot Plant Table**

Code Name	Quantity	Scientific Name	Common Name	Planting Size	Plant Spacing
IMCC	20	Ilex Meserriana 'China Girl'	China Girl Holly	3-5 gallon	Scale From Plan
JCDG	51	Juniperus chinensis 'Dai Gold'	Dai Gold Juniper	24-30" B+B or Container	Scale From Plan
JHAY	105	Juniperus horizontalis 'Andorra Youngstown'	Youngstown Andorra Juniper	24-30" B+B or Container	Scale From Plan
HSD	473	Hemerocallis Stella De Dro	Stella De Dro Daylily	1-2 Gallon	2'0" O.C.
MXCB	3	Malus x 'Coral Burst'	Coral Burst Crabapple	2 1/2'-Cal	Locate as per plan
MXP	5	Malus x 'PrairieFire'	PrairieFire Crabapple	3'-Cal	Locate as per plan
MXSS	8	Malus x 'Spring Snow'	Spring Snow Crabapple	3'-Cal	Locate as per plan
PAHN	240	Pennisetum alopecuroides 'Hameln'	Hamm Dwarf Fountain Grass	2-3 gallon	Scale From Plan
SPBG	129	Spiraea bumalda 'GoldFlame'	Goldflame Spirea	3-5 gallon	Scale From Plan
SRIS	14	Syringa reticulata 'Ivory Silk'	Ivory Silk Tree Lilac	3'-Cal	Locate as per plan
TDGR	55	Thuja occidentalis 'Green Rocket'	Green Rocket Arborvitae	6-8' B+B	8' O.C.
UPF	15	Ulmus x parvifolia 'Frontier'	Frontier Elm	3'-Cal	Locate as per plan
VFR	97	Vegeta Florida 'Rumba'	Rumba Weigela	2-3 gallon	Scale From Plan

**Morley and Associates, Inc.**  
Consulting Engineers/Surveyors/Architects  
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Evansville, Indiana 47713  
(812) 464-9586

Written dimensions on these drawings shall have precedence over scale dimensions. Contractors shall verify and be responsible for the accuracy of all dimensions shown on these drawings. The engineer, architect, or surveyor shall not be held responsible for the accuracy of dimensions shown on these drawings.

No.	By	Date	Description



**Project:** Carpenter Creek Pavilion  
Evansville, Indiana

**Sheet Title:** Storm Water Pollution Prevention Plan/Mitigation Plan

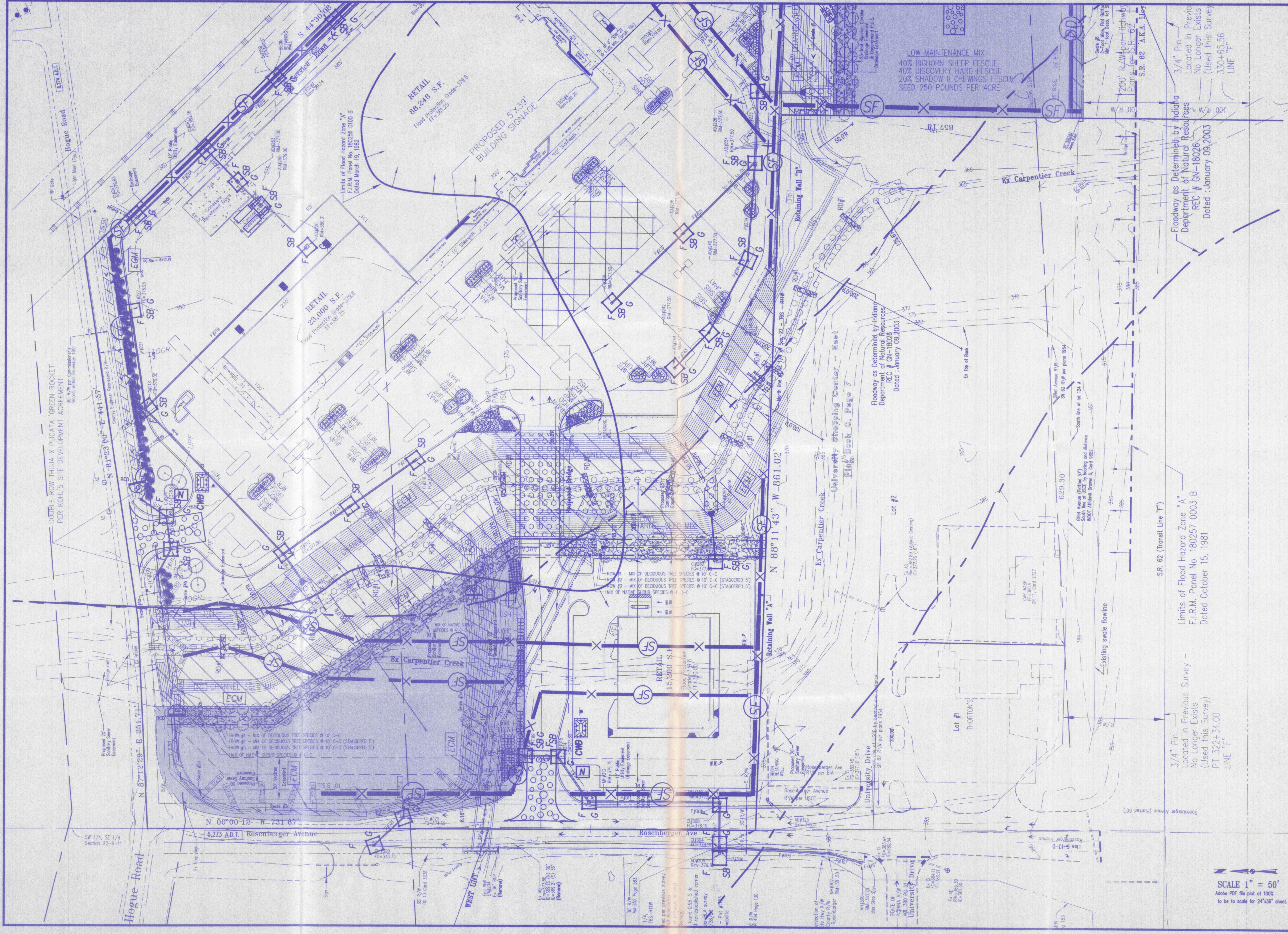
**Scale:** 1"=50'

**Designed By:** J. Kipling  
**Job Number:** 5429-40

**Drawn By:** J. Kipling  
**Date:** 06/21/04

**Checked By:** [Name]  
**Filename:** 54295W3P.dwg

**Sheet Number:** C-13



SCALE 1" = 50'  
 Adobe PDF file plot at 100%  
 to be scale for 24"x36" sheet.

3/4" Pin  
 Located in Previous Survey  
 No Longer Exists  
 (Used this Survey)  
 PT 322+34.00  
 LINE "F"

Limits of Flood Hazard Zone "A"  
 F.I.R.M. Panel No. 180257 0003 B  
 Dated October 15, 1981

Floodway as Determined by Indiana  
 Department of Natural Resources  
 REC # GN-18026  
 Dated : January 09, 2003

LOW MAINTENANCE MIX  
 40% BIGHORN SHEEP FESCUE  
 40% DISCOVERY HARD FESCUE  
 20% SHADOW II CHEWINGS FESCUE  
 SEED 250 POUNDS PER ACRE

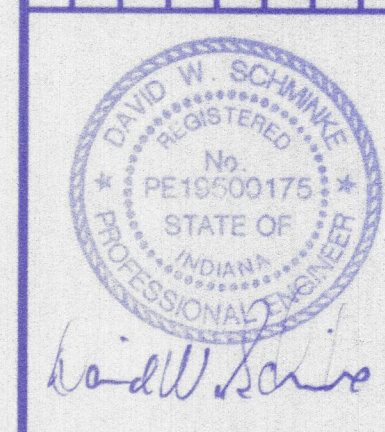
Project: Carpentier Creek Pavillion  
 Evansville, Indiana

Sheet Title: Storm Water Pollution Prevention Plan/Mitigation Plan

Scale: 1"=50'

Designed By:	J. Kipling	Job Number:	5429-4D
Drawn By:	J. Kipling	Date:	06/21/04
Checked By:		Filename:	5429SW3P.dwg

Sheet Number: C-14



No.	By	Date	Description

**Morley and Associates, Inc.**  
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