

STORMWATER POLLUTION PREVENTION PLAN

The following plan is established and incorporated in the project to direct the contractor in the placement of temporary erosion control systems and to provide a storm water pollution prevention plan for compliance under NPDES.

The purpose of this plan is to minimize erosion within the construction site and to limit sediments from leaving the construction site by utilizing proper temporary erosion control systems and providing ground cover within a reasonable amount of time.

Certain erosion control items shall be installed by the contractor at the beginning of construction. Other items shall be installed by the contractor as directed by the engineer on a case by case basis depending on the contractor's sequence of activities, time of year and the expected weather conditions.

The contractor shall install permanent erosion control systems and seeding within a time frame specified herein and as directed by the engineer. Thereby minimizing the area susceptible to erosion and reducing the amount of temporary seeding. The engineer will determine if temporary erosion control systems shown on the plan can be deleted and if any additional temporary erosion control systems, which are not included in the plans, shall be added. The contractor shall perform all work as directed by the engineer and as shown in Standard 280001 of the plans.

Section 280, TEMPORARY EROSION CONTROL, of the STANDARD SPECIFICATIONS additionally supplements this plan.

DESCRIPTION OF INTENDED SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES THAT WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE:

1. Tree removal and excavation of grass and roots in embankment areas.
2. Excavation and construction of roadway embankment, side ditches and entrances.
3. Construction of culverts.
4. Placement, maintenance, removal and proper cleanup of temporary erosion control such as perimeter erosion control barrier, temporary ditch checks, pipe inlet protection, temporary seeding, etc.
5. Final shaping and grading of slopes along the roadway.
6. Placement of permanent erosion control such as riprap outlet protection, seeding, etc.

AREA OF CONSTRUCTION SITE:

The total area of the construction site is estimated to be 17.8 acres of which 16.5 acres will be disturbed by excavation, grading and other activities.

CONTROLS--EROSION CONTROLS AND SEDIMENT CONTROL:

DESCRIPTION OF STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:

1. Disturbance of soils shall be confined to areas within the construction limits. The construction limits for this project shall be the right-of-way. Off right-of-way areas shall not be disturbed or used as staging areas.
2. As soon as reasonable access is available to all locations where water drains away from the construction site, temporary ditch checks, pipe inlet protection and perimeter erosion barriers shall be installed as shown on the plans or as directed by the engineer.

DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION:

1. Areas outside the construction limits shall not be disturbed during construction. Areas outside the construction limits shall not be used for staging, parking of vehicles or construction equipment, storage of materials or other construction related activities.
2. Within the construction limits, areas which may be susceptible to erosion as determined by the engineer shall remain undisturbed until full scale construction is underway to prevent unnecessary soil erosion.
3. Stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 14 days after the construction activity in that portion of the site has temporarily or permanently ceased on all disturbed portions of the site where construction activity will not occur for a period of 21 or more calendar days.
4. As construction proceeds, the contractor shall institute the following as directed by the engineer:
 - * Place temporary erosion controls at locations shown on the plans.
 - * Remove existing drainage structures.
 - * Build necessary embankment at proposed culvert locations.
 - * Excavate through embankment and install proposed culverts.
 - * Continue building up the embankment to the proposed grade while at the same time, placing permanent erosion control such as riprap outlet protection and final shaping of slopes.
5. Excavated areas and embankment shall be permanently seeded in accordance with Item 3 of this section.
6. The resident engineer shall inspect the project daily during construction activities. Inspection shall also be done weekly and after rains of 1/2 inch or greater during periods when there is no construction activity.
7. Sediment collected by the various temporary erosion control systems during construction shall be disposed of on the site on a regular basis as directed by the engineer. The cost of this maintenance shall be included in the unit bid price for the various temporary erosion control pay items.
8. The temporary erosion control systems shall be removed as directed by the engineer after use is no longer needed or no longer functioning. The cost of this removal shall be included in the unit bid price for the various temporary erosion control pay items.

DESCRIPTION OF STRUCTURAL PRACTICES AFTER FINAL GRADING:

1. Temporary erosion control systems shall be left in place with proper maintenance until permanent erosion control is in place and working properly and all proposed grass areas are seeded and established.
2. Once permanent erosion control systems as proposed in the plans are functional and established, temporary items shall be removed, cleaned up and disturbed grass areas shall be reseeded.

MAINTENANCE AFTER CONSTRUCTION:

1. Construction is complete after acceptance by IDOT final inspection. Maintenance up to this date shall be by the contractor.

RIPRAP

CENTER LOCATION BY STATION	REASON RIPRAP REQUIRED	LOCATION LT OR RT LT AND RT	TONS STONE DUMPED RIPRAP, CL A4
6+40	30" EQ AR CULVERT	LT	13
42+44	TWIN 30" EQ AR CULVERT	LT	16
47+00	FIELD DITCH	RT	13
53+82	30" EQ AR CULVERT	LT	13
69+06	TWIN 30" EQ AR CULVERT	LT	16
69+90	FIELD DITCH	RT	13
80+35	FIELD DITCH	RT	13
80+80	36" EQ AR CULVERT	LT	16
	TOTAL		113

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00111-01-FP	WAYNE	21	21
FAS ROUTE 2817		ILLINOIS PROJECT SR-2817(101)	

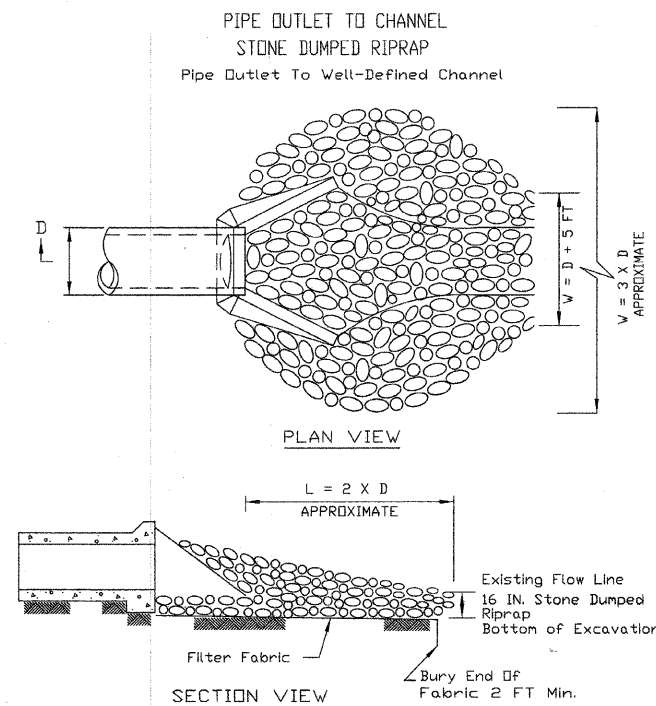
CONTRACT NO. 95416

STRAW BALE DITCH CHECKS

LOCATION BY STATION	LEFT DITCH	RIGHT DITCH	TOTAL
0+50	1	-	1
3+00	1	1	2
5+00	1	1	2
6+60	1	1	2
10+16	-	1	1
14+50	1	1	2
18+50	1	1	2
22+50	1	1	2
25+50	1	1	2
32+50	1	1	2
35+00	1	-	1
42+30	1	1	2
42+55	1	1	2
46+25	1	1	2
50+00	1	1	2
51+75	1	-	1
53+32	-	1	1
53+62	-	1	1
54+00	-	1	1
56+40	1	1	2
59+00	1	1	2
64+83	-	1	1
68+60	1	1	2
69+40	1	1	2
71+06	-	1	1
73+00	1	1	2
75+00	1	1	2
79+00	-	1	1
80+65	1	1	2
80+85	1	1	2
82+00	1	-	1
84+70	1	-	1
85+75	-	1	1
87+40	-	1	1
TOTAL			54

INLET & PIPE PROTECTION

CENTER LOCATION BY STATION	LOCATION LT OR RT	PRIVATE (PE) FIELD (FE) ACROSS ROAD (AR) SIDE ROAD (SR)	DESCRIPTION	INLET & PIPE PROTECTION REQUIRED
9+95	LT	FE	40' X 18" DIA CMP	YES
13+34.5	RT	FE	40' X 18" DIA CMP	YES
26+30	RT	FE	40' X 18" DIA CMP	YES
27+00	RT	FE	40' X 18" DIA CMP	YES
27+60	LT	PE	40' X 18" DIA CMP	YES
28+30	LT	PE	44' X 18" DIA CMP	YES
34+20	RT	FE	46' X 15" DIA CMP	YES
40+15	LT	FE	60' X 15" DIA CMP	YES
40+15	RT	FE	60' X 15" DIA CMP	YES
59+70	LT	FE	40' X 15" DIA CMP	YES
65+10	LT	FE	48' X 15" DIA CMP	YES
70+84	LT	FE(WOODS)	40' X 18" DIA CMP	YES
79+25	LT	PE	44' X 15" DIA CMP	YES
81+70	RT	FE	40' X 18" DIA CMP	YES
87+05	LT	FE	40' X 15" DIA CMP	YES
26+73	LT	SR	52' X 18" DIA CMP	YES
53+49	LT	SR	56' X 36" EQ DIA RCCP	YES
		TOTALS		17



NOTES:

1. The filter fabric shall meet the requirements in Standard Specification for Road and Bridge Construction Art. 1080.03.
2. The rock riprap shall meet the IDOT requirements for the following gradation: A4.
3. The riprap shall be placed according to construction specifications in Standard Specifications for Road and Bridge Construction Section 281 Stone Dumped Riprap.