



BEGIN IMPROVEMENT
SECTION 05-00218-01-WR
STA. 91+82

100 FT. PERIMETER EROSION BARRIER
10 SQ. Y.D. TURF REINFORCEMENT MAT
15 SQ.YD. EROSION CONTROL BLANKET

75 FT. PERIMETER EROSION BARRIER

100 FT. PERIMETER EROSION BARRIER

MATCH LINE STA 100+00

REVISIONS

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DESIGN FIRM # 184-000992



EROSION CONTROL NOTES

1. EROSION CONTROL ITEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 280 OF THE I.D.O.T. STANDARD SPECIFICATIONS.
2. THIS PLAN SHOWS GENERAL LAYOUT OF EROSION CONTROL ITEMS. THE CONTRACTOR IS RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL AND THEREFORE SHALL MONITOR THE SITE AND REPAIR, MAINTAIN OR MODIFY THE EROSION AND SEDIMENT CONTROL MEASURES AS NEEDED TO COMPLY WITH REGULATIONS.
3. THE CONTRACTOR FOR THIS PROJECT SHALL COMPLY WITH THE ILLINOIS E.P.A. NPDES PERMIT NO. ILR10 FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES.
4. THIS EROSION CONTROL PLAN SUPPLEMENTS THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED FOR THIS PROJECT AND INCLUDED IN THE SPECIFICATIONS.
5. THE CONTRACTOR IS REQUIRED TO RETAIN A COPY OF THE SWPPP ON SITE AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.
6. CONSTRUCTION AND DRIVEWAY ENTRANCES SHALL BE STABILIZED WITH CRUSHED STONE TO PREVENT SEDIMENT FROM BEING TRACKED ONTO PUBLIC ROADWAYS. THIS WORK SHALL BE PAID FOR PER TON FOR AGGREGATE FOR TEMPORARY ACCESS.
7. PERIMETER EROSION BARRIER SHALL BE PLACED ALONG THE UPSLOPE EDGE OF RIPRAP IF BARE SOIL EXISTS AT THE TIME RIPRAP IS PLACED.
8. TEMPORARY SEEDING AND MULCH SHALL BE COMPLETED IN ACCORDANCE WITH THE SWPPP.
9. CONTRACTOR SHALL INSTALL TEMPORARY DITCH CHECKS IN THE FLOW PATHS OF CONCENTRATED STORM WATERS WHERE THERE IS A POTENTIAL FOR EROSION DUE TO CONSTRUCTION SITE ACTIVITIES. DITCH CHECKS PROVIDED SHALL BE PER ARTICLE 280.04 OR OTHER DITCH CHECK MATERIALS ACCEPTABLE TO THE ENGINEER. STRAW BALES, HAY BALES, PERIMETER EROSION BARRIER, AND SILT FENCES WILL NOT BE PERMITTED FOR TEMPORARY DITCH CHECKS. SPACING OF DITCH CHECKS SHALL DEPEND ON THE HEIGHT OF THE DITCH CHECK AND THE SLOPE OF THE DITCH, ACCORDING TO THE FOLLOWING FORMULA:
$$\text{DITCH CHECK SPACING (FT.)} = \frac{\text{HEIGHT (FT.)}}{\text{SLOPE (FT./FT.)}}$$

THIS SPACING WILL RESULT IN THE TOP ELEVATION OF THE DITCH CHECK BEING EQUAL TO THE DITCH FLOW LINE ELEVATION AT THE NEXT UPSTREAM DITCH CHECK.
10. AN ESTIMATED 66 FT. OF TEMPORARY DITCH CHECKS HAVE BEEN CALCULATED FOR USE BY THE RESIDENT ENGINEER. THE ACTUAL AMOUNT SHALL BE DETERMINED BY THE ENGINEER.
11. THE CONTRACTOR SHALL PROVIDE TEMPORARY INLET AND PIPE PROTECTION AT ALL STORM SEWER PIPE AND INLET STRUCTURES AS REQUIRED TO INTERCEPT WATER BORNE SILT AND SEDIMENT AND PREVENT IT FROM ENTERING STORM SEWER SYSTEMS. THIS ITEM MAY CONSIST OF EMBEDDED HAY OR STRAW BALES, SILT FILTER FENCE, SAND BAGS OR OTHER APPROVED METHODS.
12. THE CONTRACTOR MAY USE TEMPORARY SEDIMENT BASINS AS ADDITIONAL EROSION CONTROL MEASURES AT CONCENTRATED FLOW LOCATIONS. A TEMPORARY SEDIMENT BASIN CONSISTS OF AN EXCAVATED BASIN WITH A PERIMETER EROSION BARRIER (SILT FILTER FENCE OR HIGH FLOW SILT FILTER FENCE) ON THE DOWNSTREAM SIDE.

| EROSION CONTROL BLANKET SCHEDULE | | |
|--|-----------------------------------|------------------------|
| LOCATION | EROSION CONTROL BLANKET (SQ. YD.) | TURF REINFORCEMENT MAT |
| 99+83.34 LT. | 15 | 10 |
| 110+25.00 LT. | 197 | 0 |
| 119+75.00 LT. | 232 | 0 |
| OTHER AREAS AS NEEDED & DIRECTED BY THE ENGINEER | 200 | 0 |
| TOTAL | 644 | 10 |

EROSION CONTROL LEGEND

- PERIMETER EROSION BARRIER - SILT FILTER FENCE OR OTHER AS APPROVED BY ENGINEER (1,937 FT.)
- INLET AND PIPE PROTECTION (62 EACH)
- EROSION CONTROL BLANKET
- TEMPORARY DITCH CHECK (66 FT.)
- SEDIMENT BASIN (1 EACH)

CITY OF ALTON, ILLINOIS
SECTION 05-00218-01-WR
FOSTERBURG ROAD - PHASE 2
EROSION CONTROL PLAN

DWG. NO.
FBR_PHS_PVMT_EROSION.dwg
REF. BK. PG.
JOB NO. 206612
DSN. BY: DEG
DWN. BY: CDP
CHK. BY: DEG
DATE: JAN. 2011
SCALE: 1" = 50' H.
SHEET 18 OF 55