

GENERAL SOIL EROSION AND SEDIMENT CONTROL NOTES

- ALL VEGETATIVE AND STRUCTURAL EROSION CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE "ILLINOIS URBAN MANUAL (JUNE, 2013 EDITION)".
- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
- ALL EROSION CONTROL MEASURES SHALL BE IN PLACE BEFORE ANY WORK BEGINS.
- THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES WEEKLY AND AFTER EACH 1/2" RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF SAID MEASURES SHALL BE MADE IMMEDIATELY. ALL MAINTENANCE OF EROSION CONTROL ITEMS IS INCLUDED IN THE COST OF THE ITEM AND NO ADDITIONAL COMPENSATION SHALL BE GIVEN TO THE CONTRACTOR.
- ALL STORM SEWER FACILITIES THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT. MUD AND SEDIMENT DEPOSITS SHALL BE REMOVED FROM THE ROADWAY AT THE END OF EACH WORK DAY BY SHOVELING AND/OR SWEEPING.
- INLET FILTERS SHALL BE PLACED ON ALL CATCH BASINS, INLETS, AND MANHOLES WITH OPEN GRATES IN THE CURB AND GUTTER.
- ALL SLOPES SHALL BE COVERED WITH SOD OR SEED & EROSION CONTROL BLANKET AS SOON AS GRADING AND PLACEMENT OF TOPSOIL HAS BEEN COMPLETED.
- THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED AS DIRECTED BY THE ENGINEER.

PERMIT

- THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE CITY OF BATAVIA. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN TO THE CITY FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK. THE COST OF ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

DEWATERING

- IF DEWATERING THE CONSTRUCTION AREA IS NECESSARY, ALL WATERS SHALL BE FILTERED BY USING FILTER BAGS OR AN ALTERNATIVE MEASURE APPROVED BY THE CITY. ALL FILTER BAGS MUST HAVE SECONDARY CONTAINMENT DEVICES AND SHOULD BE PLACED ON LEVEL GROUND. WATER MUST HAVE SEDIMENT REMOVED BEFORE BEING ALLOWED TO RETURN TO THE ORIGINAL LAKE, CREEK AND/OR DITCH. THE DISCHARGE SHALL BE DESIGNED SO THAT RETURNING WATERS DO NOT CAUSE EROSION. THE CONTRACTOR SHALL SUBMIT A DEWATERING PLAN TO THE CITY THAT INCLUDES THE METHOD, DESIGN, LOCATION, AND MAINTENANCE OF DEWATERING AS PART OF THE IN-STREAM WORK PLAN.

WORKING IN AND NEAR FLOWING WATER

- NO WORK SHALL BE PERFORMED IN FLOWING WATER. WORK IN AND NEAR THE CRITICAL AREAS SHALL BE ISOLATED FROM CONCENTRATED FLOWS OR STREAM FLOW. ONCE WORK IN THIS AREA BEGINS, PRIORITY SHALL BE GIVEN TO THE COMPLETION OF THE WORK AND FINAL STABILIZATION OF ALL DISTURBED AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DIVERTING OR BYPASSING FLOWS AWAY FROM CONSTRUCTION AREAS. THE METHOD OF DEWATERING OR BYPASS SHALL BE SUBMITTED BY THE CONTRACTOR TO THE CITY AS PART OF THE IN-STREAM WORK PLAN.
- THE DEWATERING OR BYPASS SYSTEM SHALL BE DESIGNED TO CONVEY THE ANTICIPATED BASE FLOW OF THE CHANNEL DURING CONSTRUCTION. THE SYSTEM SHALL ALSO BE DESIGNED SO THAT DISCHARGES FROM LARGER STORM EVENTS CAN PASS DOWNSTREAM WITHOUT CREATING SOIL EROSION AND WATER QUALITY ISSUES.
- ALL SYSTEMS TO DIVERT WATER AWAY FROM WORK AREAS SHALL BE INSTALLED PRIOR TO THE START OF WORK. WATER SHALL BE DIVERTED OR BYPASS PUMPED SO THAT FLOWING WATER IS NOT WITHIN EXCAVATION AREAS.
- WORK IN THE WATERWAY SHALL BE TIMED TO TAKE PLACE DURING LOW OR NO-FLOW CONDITIONS.
- THE DIVERSION/ISOLATION OF THE CREEK FLOWS MUST BE CONSTRUCTED FROM NON-ERODIBLE MATERIALS.
- THE WORK SHALL BE PERFORMED IN A MANNER THAT SHALL NOT ALLOW A VIOLATION OF FEDERAL, STATE, OR LOCAL WATER QUALITY STANDARDS.
- EXCAVATED AREAS SHALL BE STABILIZED AS SOON AS THE WORK HAS BEEN COMPLETED.

KANE-DUPAGE SOIL & WATER CONSERVATION DISTRICT NOTES

- THE KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT (KDSWCD) MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
- A COPY OF THE APPROVED EROSION & SEDIMENT CONTROL PLANS AND IN-STREAM WORK PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- KDSWCD MUST BE NOTIFIED AT LEAST 24 HOURS PRIOR TO START OF THE IN-STREAM WORK.
- KDSWCD MUST BE IN AGREEMENT WITH THE OVERALL METHOD OF CREEK DIVERSION/ISOLATION PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS), A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE OWNER FOR REVIEW BY THE KDSWCD.
- THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE KDSWCD.
- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS SET FORTH BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (IEPA).

WINTER SHUTDOWN

- A WINTER SHUTDOWN IS NOT ANTICIPATED FOR THIS PROJECT, BUT IF ONE IS NEEDED, THEN THE CONDITION OF THE CONSTRUCTION SITE FOR WINTER SHUTDOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT SLOPES AND OTHER BARE EARTH AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR PROPER EROSION AND SEDIMENT CONTROL. ALL OPEN AREAS THAT ARE TO REMAIN IDLE THROUGHOUT THE WINTER SHALL RECEIVE TEMPORARY EROSION CONTROL MEASURES INCLUDING TEMPORARY SEEDING, MULCHING AND/OR EROSION CONTROL BLANKET PRIOR TO THE END OF FALL GROWING SEASON. THE AREAS TO BE WORKED BEYOND THE END OF THE GROWING SEASON MUST INCORPORATE SOIL STABILIZATION MEASURES THAT DO NOT RELY ON VEGETATIVE COVER SUCH AS EROSION CONTROL BLANKET AND HEAVY MULCHING. THE TEMPORARY AND PERMANENT SOIL STABILIZATION MEASURES NEEDED FOR WINTER SHUTDOWN WILL BE PAID FOR BY USING THE EROSION CONTROL ITEMS PROVIDED IN THE CONTRACT. ANY ADDITIONAL WORK NOT COVERED IN THE CONTRACT WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

STABILIZING CONSTRUCTION AREAS

- TEMPORARY STABILIZATION OF THE CONSTRUCTION AREA SHALL TAKE PLACE AT THE END OF EACH WORK DAY. THIS SHALL INCLUDE REMOVAL OF ALL EQUIPMENT AND HAZARDOUS MATERIAL WITHIN THE CHANNEL.
- PERMANENT STABILIZATION OF THE CONSTRUCTION AREA SHALL BE COMPLETED AT THE END OF EACH MAJOR STAGE OF WORK.
- ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 14 DAYS OF FINAL GRADING OR WHEN LEFT IDLE FOR MORE THAN 14 DAYS.
- THE COMPLETED SLOPES SHALL BE PERMANENTLY SEEDED WHERE PRACTICAL AS THE EXCAVATION PROCEEDS TO ANOTHER STAGE OF CONSTRUCTION. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY LANDSCAPED AT ONE TIME.

IN-STREAM CONSTRUCTION SEQUENCE

- INSTALL SOIL EROSION AND SEDIMENT CONTROL MEASURES, AND IMPLEMENT APPROVED IN-STREAM WORK PLAN.
- INSTALL PROPOSED WATERMAIN AND UNDERGROUND ELECTRICAL CONDUIT.
- REMOVE EXISTING WATERMAIN AND UNDERGROUND ELECTRICAL CONDUIT.
- REMOVE BRIDGE DECK AS SHOWN IN THE STRUCTURE PLANS.
- INSTALL COFFERDAMS TO CONSTRUCT ABUTMENT AND PIER EXTENSIONS AS SHOWN IN THE STRUCTURE PLANS.
- STABILIZE THE AREA AROUND ABUTMENTS AND PIER WITH RIPRAP AND REMOVE COFFERDAMS.
- POUR THE BRIDGE DECK AND CONSTRUCT REMAINING BRIDGE ITEMS.
- RESTORE AND STABILIZE THE REMAINING IN-STREAM WORK AREA.
- REMOVE IN-STREAM WORK PLAN ITEMS.

NOTE: THE IN-STREAM CONSTRUCTION SEQUENCE ABOVE IS A SUGGESTED SEQUENCE. DEPENDING ON HOW THE CONTRACTOR DEVELOPS AND IMPLEMENTS THE IN-STREAM WORK PLAN, THE CONSTRUCTION SEQUENCE MAY VARY. REGARDLESS, THE IN-STREAM WORK PLAN MUST BE APPROVED BY THE CITY AND KDSWCD, AND THE REPLACEMENT OF THE WATERMAIN AND UNDERGROUND ELECTRICAL CONDUIT MUST BE DONE AT THE BEGINNING.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

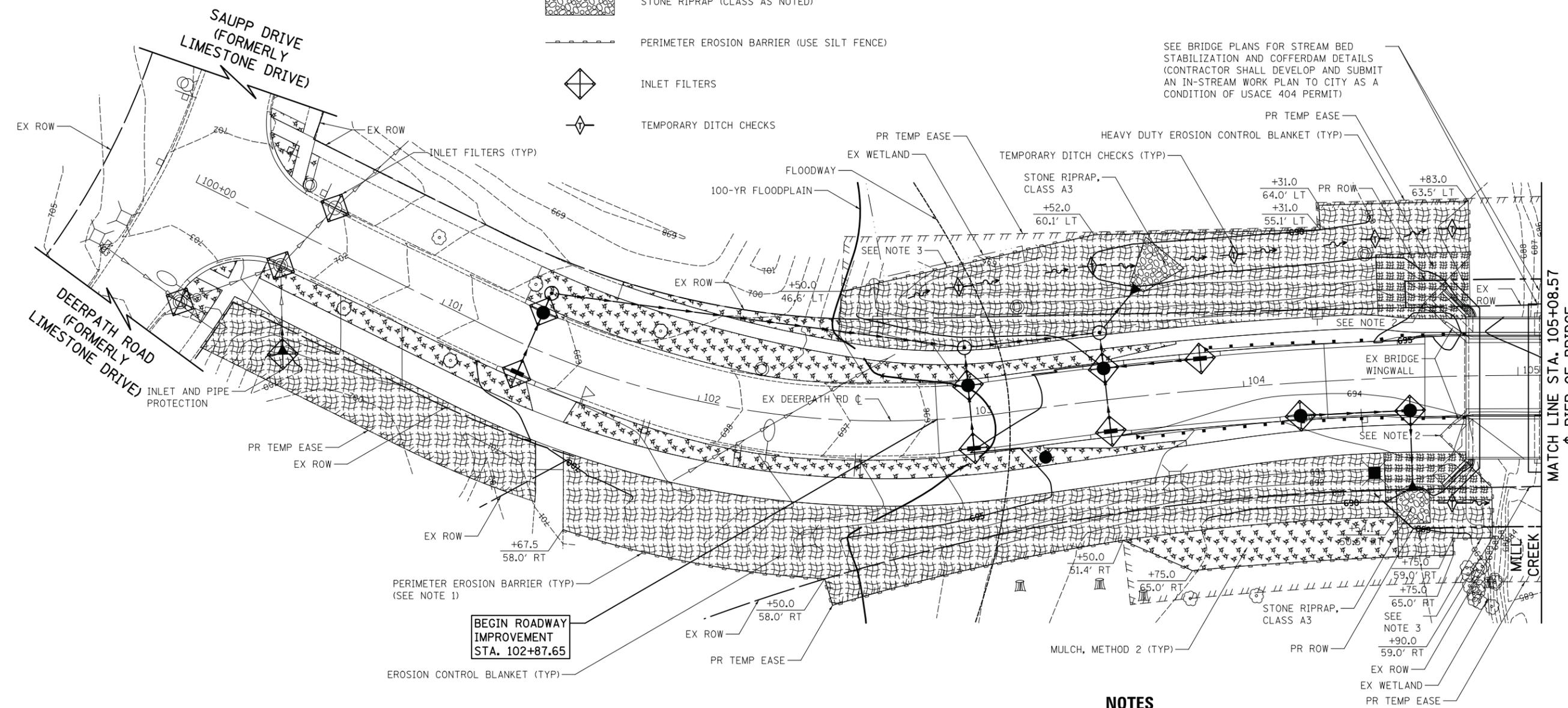
DEERPATH ROAD OVER MILL CREEK
EROSION AND SEDIMENT CONTROL GENERAL NOTES

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2327	07-00068-00-BR	KANE	78	17
CONTRACT NO. 61A88			ILLINOIS FED. AID PROJECT	

LEGEND

-  EROSION CONTROL BLANKET
TEMPORARY EROSION CONTROL SEEDING
-  HEAVY DUTY EROSION CONTROL BLANKET
TEMPORARY EROSION CONTROL SEEDING
-  MULCH, METHOD 2
TEMPORARY EROSION CONTROL SEEDING
-  STONE RIPRAP (CLASS AS NOTED)
-  PERIMETER EROSION BARRIER (USE SILT FENCE)
-  INLET FILTERS
-  TEMPORARY DITCH CHECKS



SEE BRIDGE PLANS FOR STREAM BED STABILIZATION AND COFFERDAM DETAILS (CONTRACTOR SHALL DEVELOP AND SUBMIT AN IN-STREAM WORK PLAN TO CITY AS A CONDITION OF USACE 404 PERMIT)

BEGIN ROADWAY IMPROVEMENT STA. 102+87.65

MATCH LINE STA. 105+08.57
Pier of Bridge
(SEE SHEET NO. 18)

NOTES

1. THE PERIMETER EROSION BARRIER (USE SILT FENCE) SERVES BOTH AS AN EROSION CONTROL MEASURE AND LIMITS OF CONSTRUCTION BARRIER.
2. PRIOR TO BEGINNING OF ANY CONSTRUCTION ACTIVITIES, SILT FENCE MAY BE REQUIRED TO PREVENT UNCONTROLLED SHEET FLOW FROM DIRECTLY DISCHARGING INTO MILL CREEK. AS CONSTRUCTION ACTIVITIES COMMENCE, THE SILT FENCE MAY REQUIRE MODIFICATION, PARTIAL REMOVAL, OR COMPLETE REMOVAL. SILT FENCE SHALL BE PAID FOR AS "PERIMETER EROSION BARRIER" WHICH SHALL INCLUDE ALL MAINTENANCE, MODIFICATIONS, PARTIAL REMOVAL, AND COMPLETE REMOVAL AS STATED IN SECTION 280 OF THE STANDARD SPECIFICATIONS AND IN THE PLANS.
3. TO LIMIT WETLAND IMPACTS, THE CONTRACTOR SHALL NOT GO BEYOND THE SILT FENCE LIMITS OR BEYOND THE OFFSET LIMITS OF 43.0' LT AND 55.0' RT (IN BRIDGE AREA) WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

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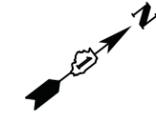
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

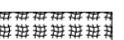
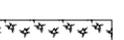
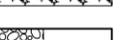
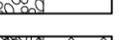
**DEERPETH ROAD OVER MILL CREEK
EROSION AND SEDIMENT CONTROL PLAN**

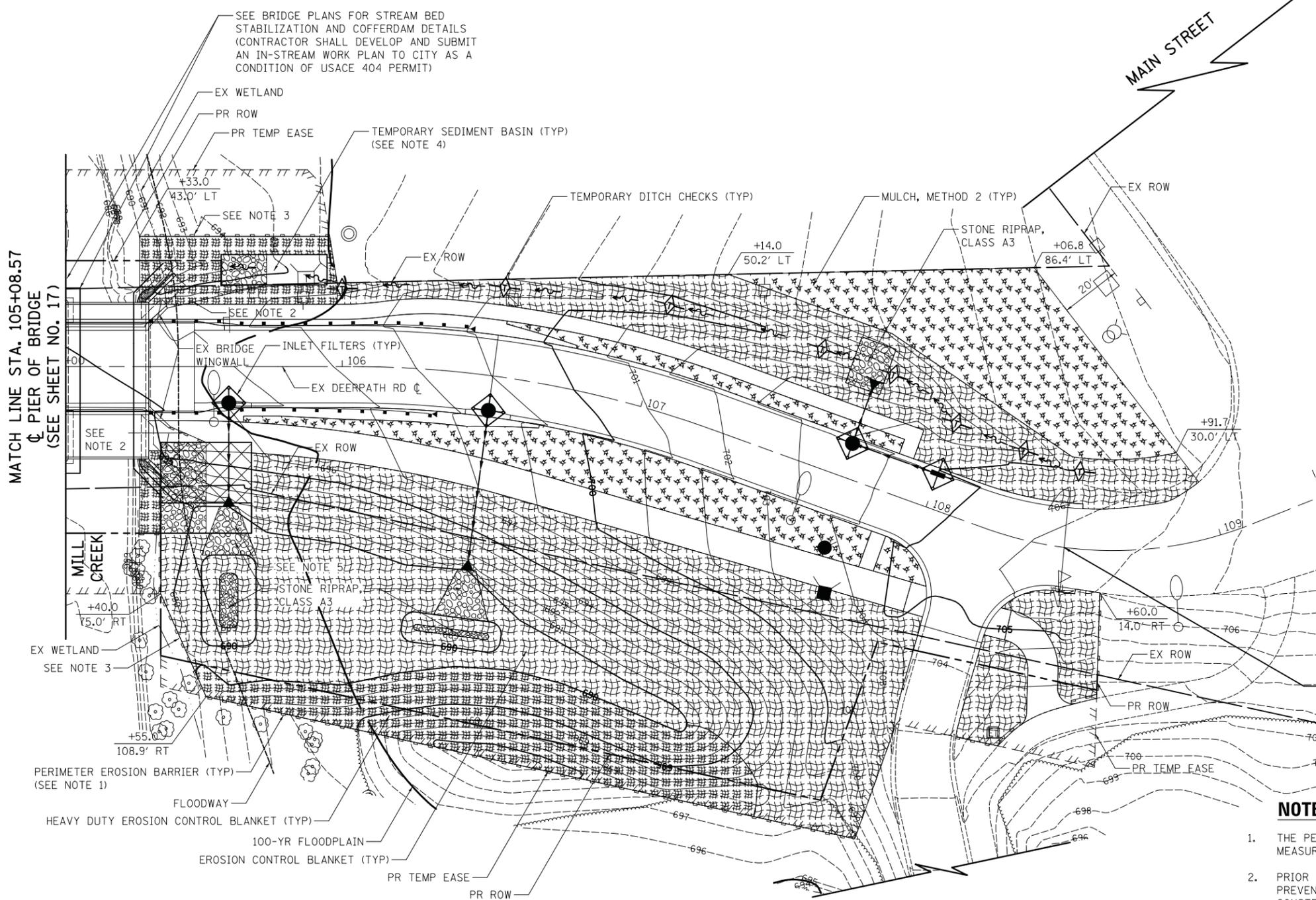
SCALE: 1" = 20' SHEET OF SHEETS STA. 102+87.65 TO STA. 105+08.57

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2327	07-00068-00-BR	KANE	78	18
CONTRACT NO. 61A88			ILLINOIS FED. AID PROJECT	



LEGEND

-  EROSION CONTROL BLANKET
TEMPORARY EROSION CONTROL SEEDING
-  HEAVY DUTY EROSION CONTROL BLANKET
TEMPORARY EROSION CONTROL SEEDING
-  MULCH, METHOD 2
TEMPORARY EROSION CONTROL SEEDING
-  TEMPORARY SEDIMENT BASIN
(SEE NOTE 4)
-  TEMPORARY SEDIMENT BASIN REMOVAL
(SEE NOTE 4)
-  STONE RIPRAP (CLASS AS NOTED)
-  PERIMETER EROSION BARRIER (USE SILT FENCE)
-  INLET FILTERS
-  TEMPORARY DITCH CHECKS



NOTES

1. THE PERIMETER EROSION BARRIER (USE SILT FENCE) SERVES BOTH AS AN EROSION CONTROL MEASURE AND LIMITS OF CONSTRUCTION BARRIER.
2. PRIOR TO BEGINNING OF ANY CONSTRUCTION ACTIVITIES, SILT FENCE MAY BE REQUIRED TO PREVENT UNCONTROLLED SHEET FLOW FROM DIRECTLY DISCHARGING INTO MILL CREEK. AS CONSTRUCTION ACTIVITIES COMMENCE, THE SILT FENCE MAY REQUIRE MODIFICATION, PARTIAL REMOVAL, OR COMPLETE REMOVAL. SILT FENCE SHALL BE PAID FOR AS "PERIMETER EROSION BARRIER" WHICH SHALL INCLUDE ALL MAINTENANCE, MODIFICATIONS, PARTIAL REMOVAL, AND COMPLETE REMOVAL AS STATED IN SECTION 280 OF THE STANDARD SPECIFICATIONS AND IN THE PLANS.
3. TO LIMIT WETLAND IMPACTS, THE CONTRACTOR SHALL NOT GO BEYOND THE SILT FENCE LIMITS OR BEYOND THE OFFSET LIMITS OF 43.0' LT AND 55.0' RT (IN BRIDGE AREA) WITHOUT PRIOR APPROVAL FROM THE ENGINEER.
4. THE TEMPORARY SEDIMENT BASIN WILL BE CONSTRUCTED PRIOR TO BEGINNING OF ANY CONSTRUCTION ACTIVITIES. THE BASIN WILL INTERCEPT EXISTING DITCH FLOW AND PROPOSED DITCH FLOW THROUGHOUT ALL THE STAGES OF CONSTRUCTION. ALL DITCH RUNOFF MUST PASS THROUGH THE BASIN PRIOR TO DISCHARGING INTO MILL CREEK. THE INSTALLATION, MAINTENANCE, MODIFICATION, AND REMOVAL OF TEMPORARY SEDIMENT BASIN WILL BE PAID FOR ONLY ONCE AS "TEMPORARY SEDIMENT BASIN", AS SPECIFIED IN THE SPECIAL PROVISIONS.
5. THE STONE RIPRAP AT THIS LOCATION WILL NOT BE CONSTRUCTED UNTIL THE TEMPORARY SEDIMENT BASIN IS COMPLETELY REMOVED.

MATCH LINE STA. 105+08.57
C PIER OF BRIDGE
(SEE SHEET NO. 17)

END ROADWAY
IMPROVEMENT
STA. 108+47.69

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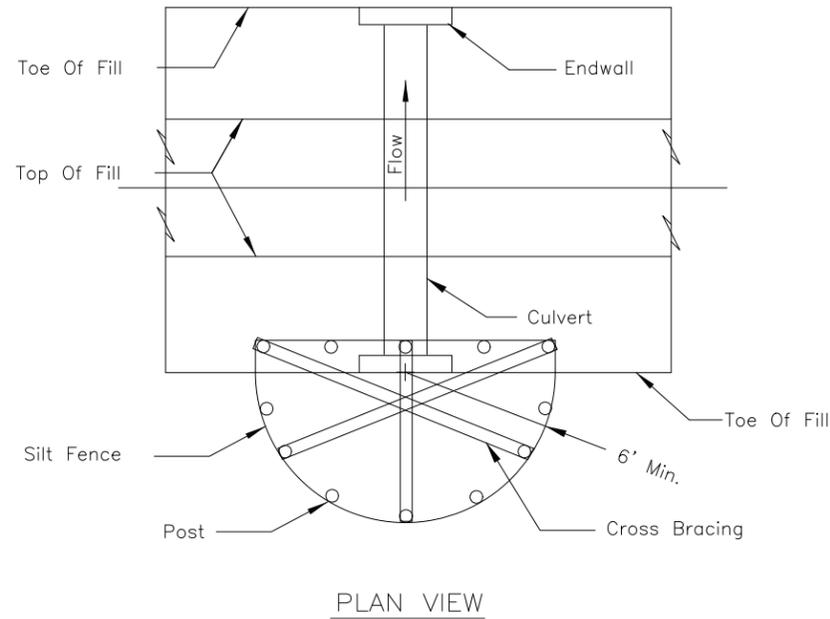
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PLOT DATE = 10/10/2015	DATE - 10/12/15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DEERPETH ROAD OVER MILL CREEK EROSION AND SEDIMENT CONTROL PLAN	
SCALE: 1" = 20'	SHEET OF SHEETS STA. 105+08.57 TO STA. 108+47.69

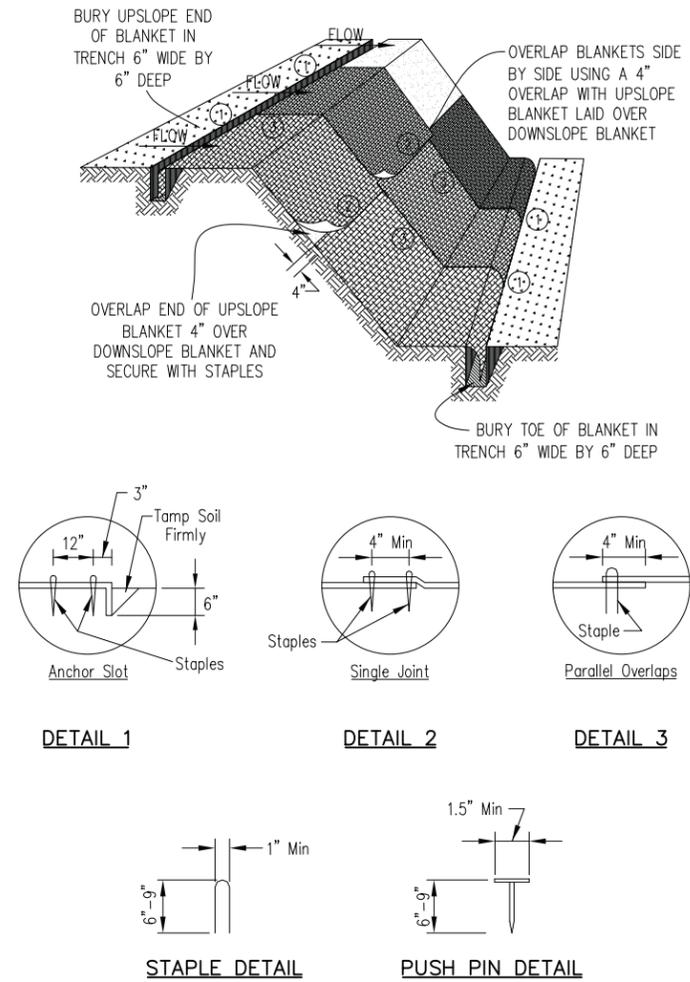
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2327	07-00068-00-BR	KANE	78	19
CONTRACT NO. 61A88			ILLINOIS FED. AID PROJECT	

CULVERT INLET PROTECTION - SILT FENCE



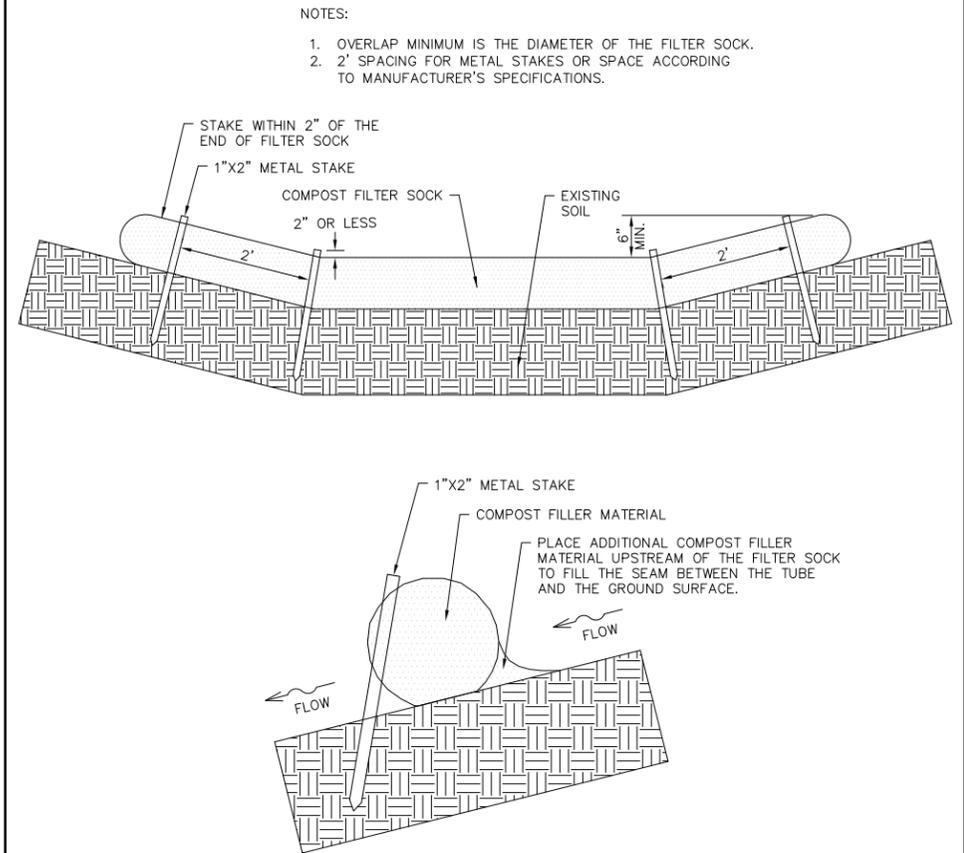
- NOTES:
- The silt fence shall meet the requirements as shown on standard drawing IL-620 SILT FENCE except the maximum post spacing shall be 3 feet and the tops of posts shall be cross braced.
 - Sediment shall be removed when the sediment has accumulated to one-half the height of the silt fence.
 - The maximum drainage area to the culvert being protected is 1 acre.

EROSION CONTROL BLANKET INSTALLATION DETAILS



- NOTES:
- Staples shall be placed in a diamond pattern at 2 per s.y. for stiched blankets. Non-stiched shall use 4 staples per s.y. of material. This equates to 200 staples with stiched blanket and 400 stapels with non-stiched blanket per 100 s.y. of material.
 - Staple or push pin lengths shall be selected based on soil type and conditions (minimum staple length is 6").
 - Erosion control material shall be placed in contact with the soil over a prepared seedbed.
 - All anchor slots shall be stapled at approximately 12" intervals.

TEMPORARY DITCH CHECK



- NOTES:
- END OF FILTER SOCK SHALL BE TURNED AT LEAST 6" UPSLOPE.
 - RECOMMENDED STAKES ARE 1-1/8" WIDE X 1-1/8" THICK X 30" LONG.
 - STAKES SHALL NOT EXTEND ABOVE THE FILTER SOCK MORE THAN 2".
 - SPACING: THE TOE OF THE UPSTREAM DITCH FILTER SHALL CREATE A HORIZONTAL LINE WITH THE TOP OF THE DOWNSTREAM DITCH FILTER.
 - PLACE A COMPOST BERM UPSTREAM OF THE FILTER SOCK, A 3" DEEP TRENCH IS REQUIRED. THE COMPOST FILTER SOCK SHALL BE IN FIRM CONTACT WITH THE SOIL.
 - UNDER NO CIRCUMSTANCES SHALL THE COMPOST FILTER SOCK BE ALLOWED TO BRIDGE OVER SURFACE IRREGULARITIES. REMOVE OR REGRADE THE GROUND SURFACE IN THE VICINITY OF THE FILTER SOCK PLACEMENT TO PRECLUDE ANY FLOW UNDER THE DEVICE.
 - DOWNSTREAM DITCH FILTER SHALL BE IN PLACE BEFORE THE UPSTREAM DITCH FILTER IS REMOVED OR RESET.

REFERENCE	Project _____
	Designed _____ Date _____
	Checked _____ Date _____
	Approved _____ Date _____



STANDARD DWG. NO.	IL-508SF
SHEET	1 OF 1
DATE	1-29-99

REFERENCE	Project _____
	Designed _____ Date _____
	Checked _____ Date _____
	Approved _____ Date _____



STANDARD DWG. NO.	IUM-530
SHEET	1 OF 1
DATE	11-01-2008

REFERENCE	Project _____
	Designed _____ Date _____
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IUM-514
SHEET 1 OF 1

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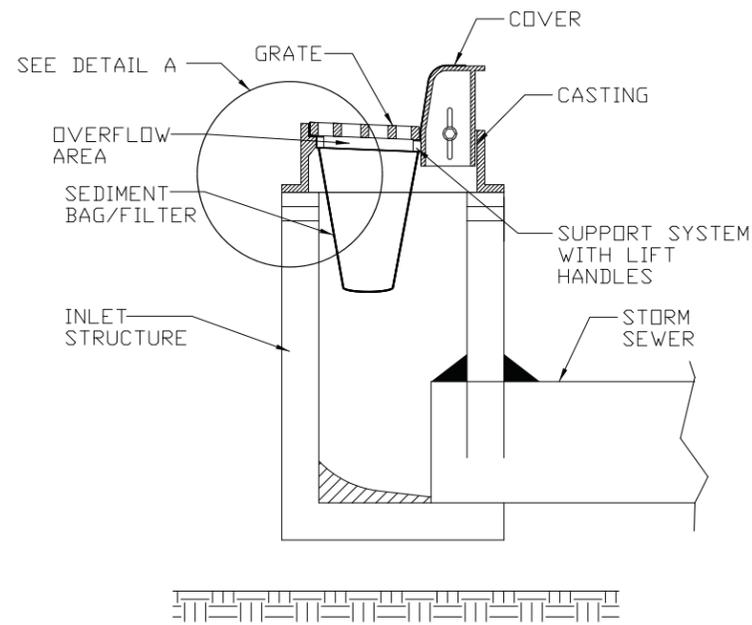
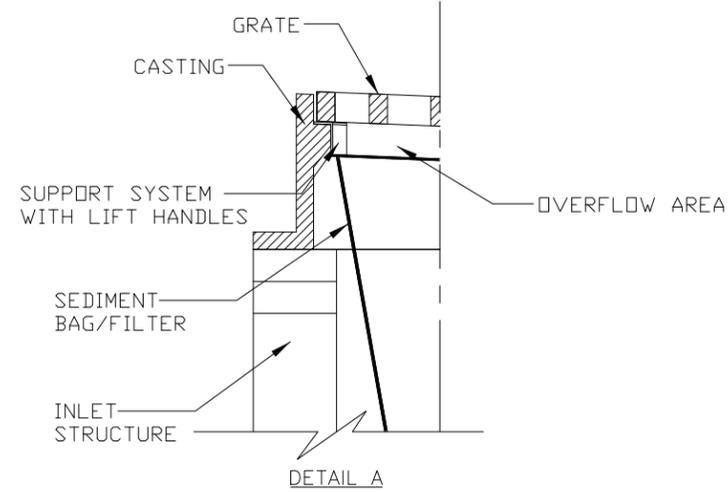
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

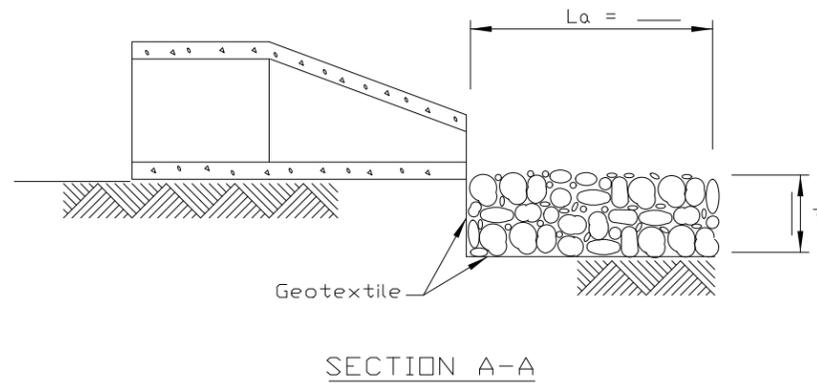
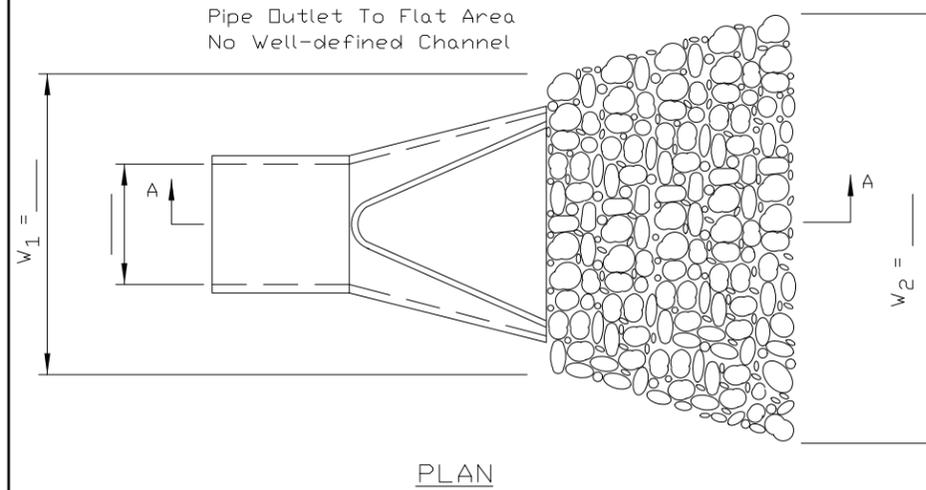
DEERPATH ROAD OVER MILL CREEK EROSION AND SEDIMENT CONTROL DETAILS			
SCALE: N.T.S.	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2327	07-00068-00-BR	KANE	78	20
CONTRACT NO. 61A88				
ILLINOIS FED. AID PROJECT				

INLET PROTECTION - PAVED AREAS
DROP-IN PROTECTION

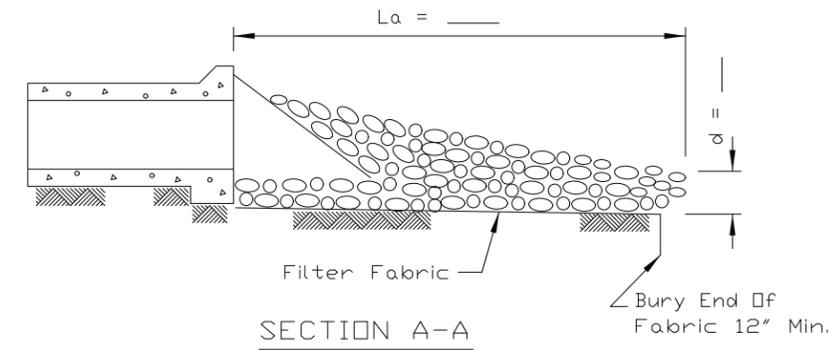
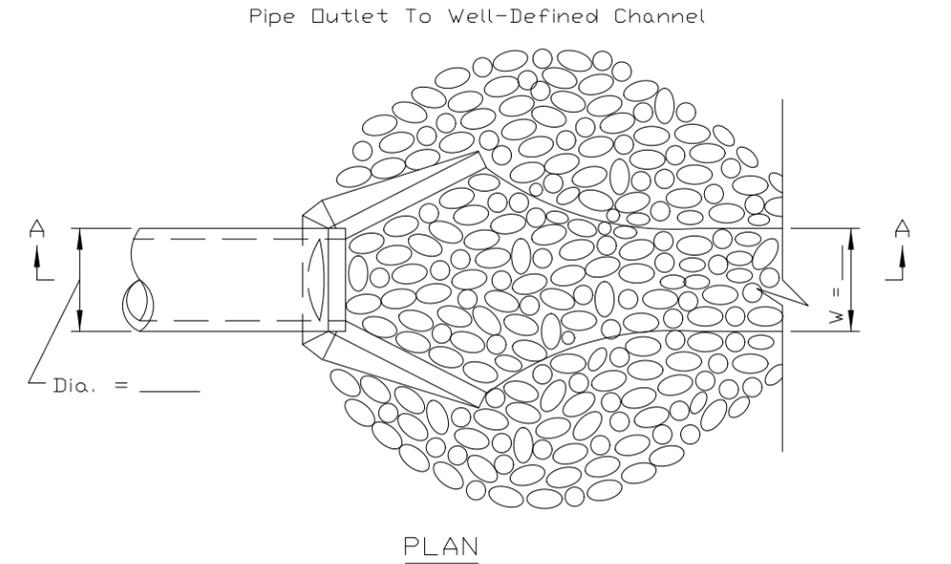


PIPE OUTLET TO FLAT AREA



- NOTES:
1. The filter fabric shall meet the requirements in material specifications 592 GEOTEXTILE Table 1 or 2, class I, II or III.
 2. The rock riprap shall meet the IDOT requirements for the following gradation: RR _____, Quality _____.
 3. The riprap shall be placed according to construction specification 61 LOOSE ROCK RIPRAP. The rock may be equipment placed.

PIPE OUTLET TO CHANNEL



- NOTES:
1. The filter fabric shall meet the requirements in material specification 592 GEOTEXTILE Table 1 or 2, Class I, II or III.
 2. The rock riprap shall meet the IDOT requirements for the following gradation _____.
 3. The riprap shall be placed according to construction specification 61 LOOSE ROCK RIPRAP. The rock may be equipment placed.

REFERENCE
Project _____
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____



STANDARD DWG. NO.
IUM-561D
SHEET 1 OF 1
DATE 01-11-11

REFERENCE
Project _____
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____



STANDARD DWG. NO.
IL-610
SHEET 1 OF 1
DATE 9-15-93

REFERENCE
Project _____
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____



STANDARD DWG. NO.
IL-611
SHEET 1 OF 1
DATE 8-18-94

RIPRAP SCHEDULE										
STRUCTURE NUMBER	LOCATION		PIPE SIZE (IN)	CLASS	THICKNESS (IN)	APRON LENGTH (FT)	UPSTREAM WIDTH (FT)	DOWNSTREAM WIDTH (FT)	RIPRAP QUANTITY (SQ YD)	FILTER FABRIC QUANTITY (SQ YD)
	STATION	OFFSET								
11	103+65.0	44.5 LT	24	A3	15	16	6	18	22	22
14	104+60.3	41.1 RT	24	A3	15	12	12	12	16	16
16	105+62.5	46.2 RT	24	A3	15	16	6	18	22	22
18	106+50.0	64.6 RT	24	A3	15	16	6	18	22	22
21	107+70.0	33.7 LT	12	A3	15	16	12	12	22	22
-	SEE COMP STORAGE PLAN		A3	A3	15	AREA BASED ON CONTOUR AREA			12	12
-	SEE COMP STORAGE PLAN		A3	A3	15	AREA BASED ON CONTOUR AREA			6	6

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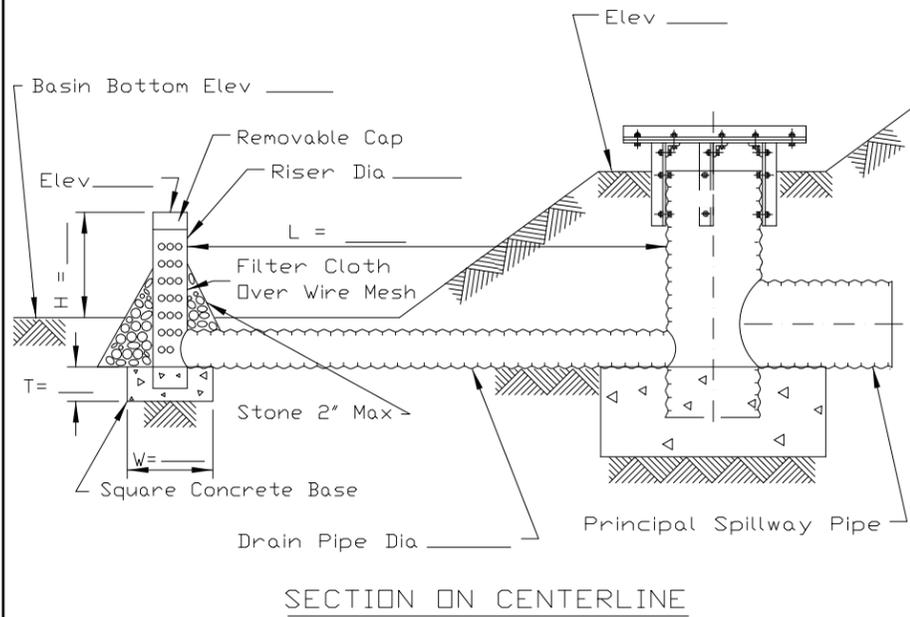
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CHECKED - DNM
DATE - 10/12/15

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DEERPATH ROAD OVER MILL CREEK
EROSION AND SEDIMENT CONTROL DETAILS
SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
2327 07-00068-00-BR KANE 78 21
CONTRACT NO. 61A88
ILLINOIS FED. AID PROJECT

SEDIMENT BASIN DEWATERING DEVICE

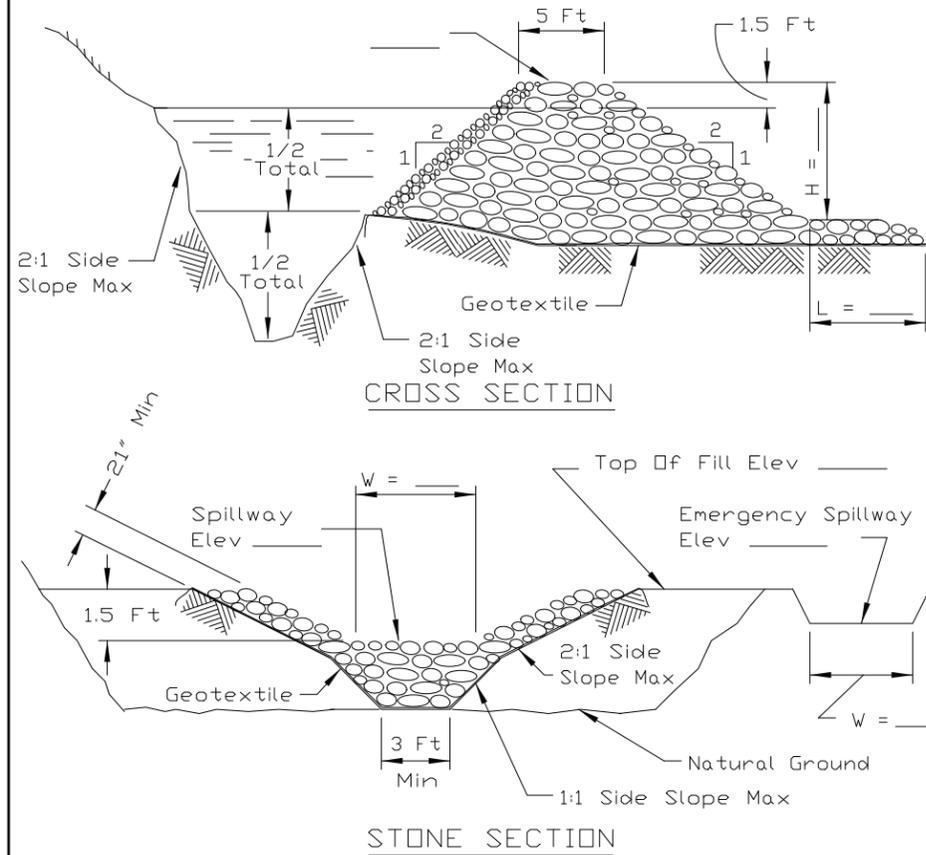


SECTION ON CENTERLINE

NOTES:

1. Slotted inlets shall be fabricated from corrugated metal or smooth steel.
2. Slots shall be cut cleanly and deburred. Ends of slots may be round or square.
3. Gravel filter, if used, shall be pit run sand and gravel with a maximum particle diameter of 2".
4. Fabricated or standard elbow; fabricated or standard tee with the pipe or plug in upstream end; or standard tee with one end embedded in concrete.
5. Thirty 1" diameter holes per foot of riser may be substituted for the 1"x 4" slots for 6" diameter risers.
6. Drain pipe shall be the same material and gauge as the principle spillway pipe.
7. Slot spacing and size shall be as shown on standard drawing IL-580.
8. Coupling bands shall be as shown on standard drawing IL-580.

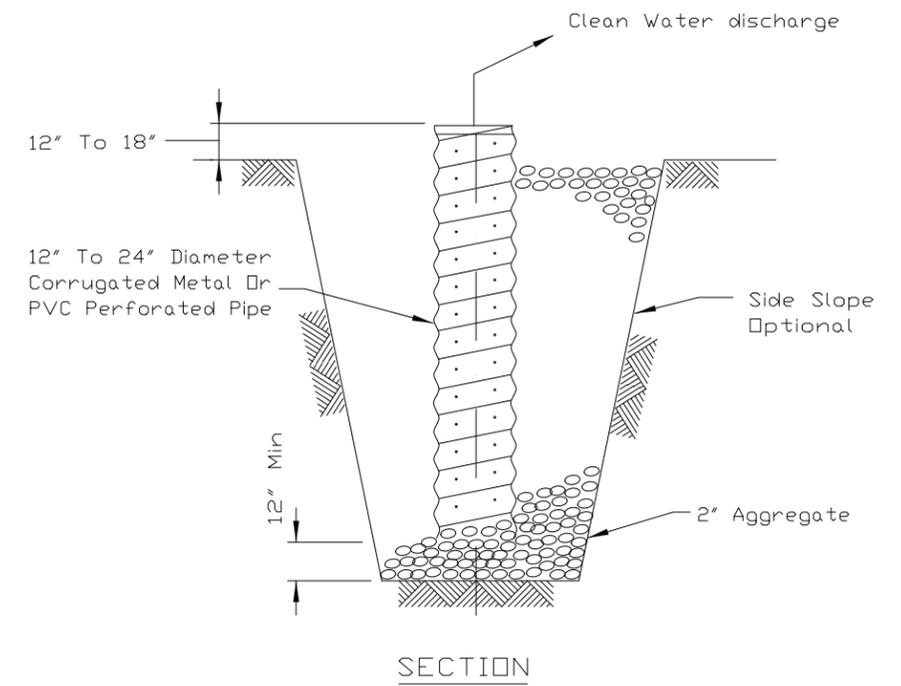
TEMPORARY SEDIMENT TRAP



NOTES:

1. If the sediment pool is formed or enlarged the side slope will be 2:1 or flatter.
2. The fill shall be constructed using IDOT RR-4 stone size. A 1' layer of IDOT CA-2 should be placed on the inside face to reduce the flow rate.
3. The rock will be placed according to construction specification 25 ROCKFILL. Placement will be by Method 1 and compaction will be class III.
4. The geotextile shall meet the requirements in material specification 592 GEOTEXTILE table 1 or 2, class I, II or IV.

SUMP PIT PLAN



NOTES:

1. Pit dimensions are optional.
2. The standpipe will be constructed by perforating a 12"-24" diameter corrugated metal or PVC pipe.
3. A base of 2" aggregate will be placed in the pit to a minimum depth of 12". After installing the standpipe, the pit surrounding the standpipe will then be backfilled with 2" aggregate.
4. The standpipe will extend 12" to 18" above the lip of the pit.
5. If discharge will be pumped directly to a storm drainage system, the standpipe will be wrapped with filter fabric before installation.
6. If desired, 1/4"-1/2" hardware cloth may be placed around the standpipe prior to attaching the filter fabric. This will increase the rate of water seepage into the pipe.

REFERENCE	Project _____
	Designed _____ Date _____
	Checked _____ Date _____
	Approved _____ Date _____



STANDARD DWG. NO.	IL-615
SHEET	1 OF 1
DATE	9-22-93

REFERENCE	Project _____
	Designed _____ Date _____
	Checked _____ Date _____
	Approved _____ Date _____



STANDARD DWG. NO.	IL-660
SHEET	1 OF 1
DATE	11-20-01

REFERENCE	Project _____
	Designed _____ Date _____
	Checked _____ Date _____
	Approved _____ Date _____



STANDARD DWG. NO.	IL-650
SHEET	1 OF 1
DATE	8-11-94

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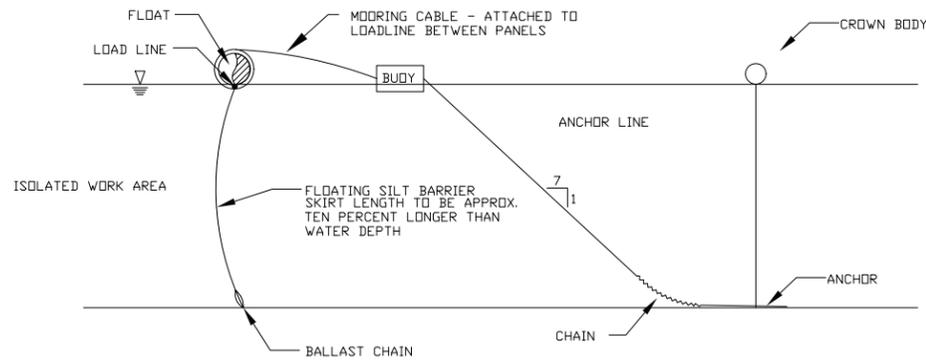
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PLOT DATE = 10/10/2015	CHECKED - DNM	REVISED -
	DATE - 10/12/15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

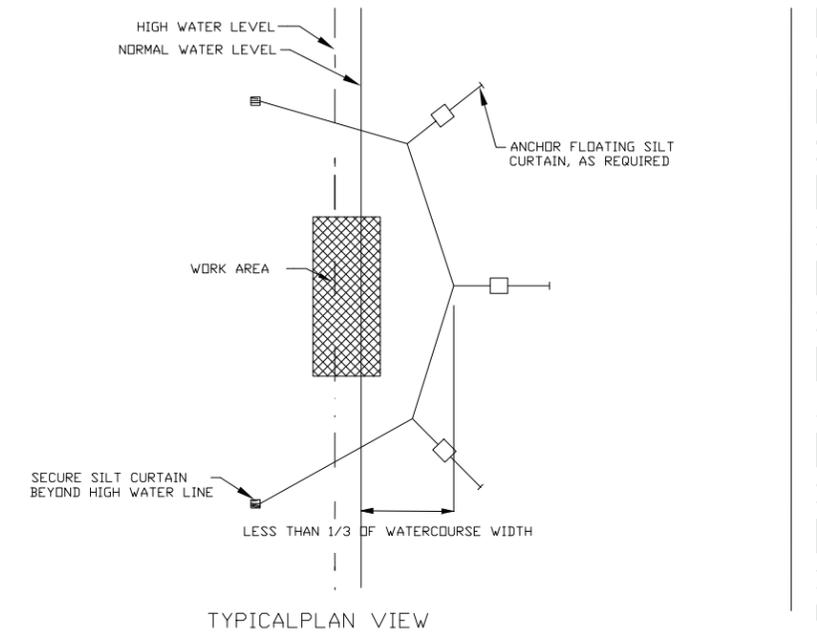
DEERPATH ROAD OVER MILL CREEK EROSION AND SEDIMENT CONTROL DETAILS			
SCALE: N.T.S.	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2327	07-00068-00-BR	KANE	78	22
CONTRACT NO. 61A88			ILLINOIS FED. AID PROJECT	

FLOATING SILT CURTAIN - TYPICAL LAYOUT



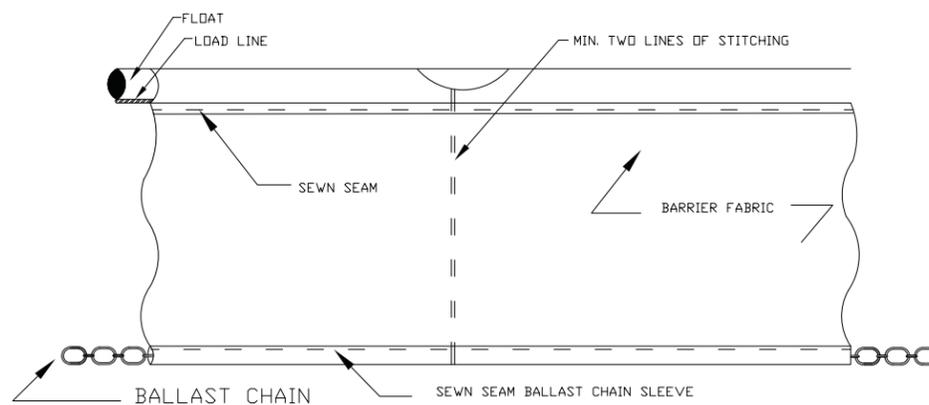
TYPICAL COMPONENTS / ANCHORAGE SYSTEM



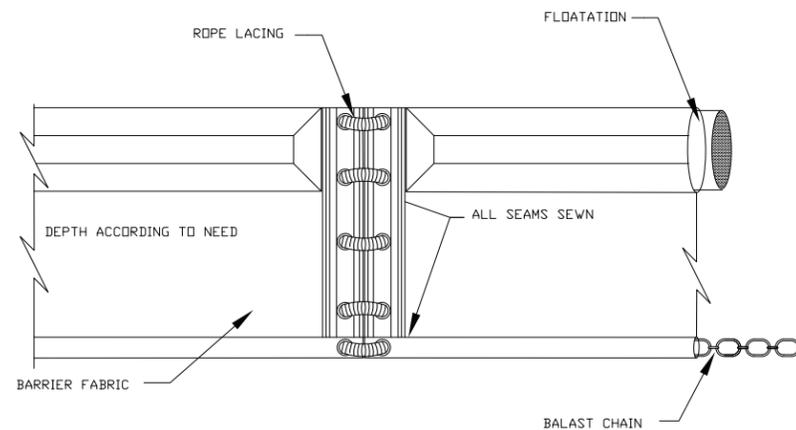
TYPICAL PLAN VIEW

Maximum flow for waterbody shall be less than 5fps.
 Isolated work area shall not exceed more than 1/3 stream width.
 Silt curtain shall be placed parallel to stream flow.

FLOATING SILT CURTAIN - PANEL CONNECTORS

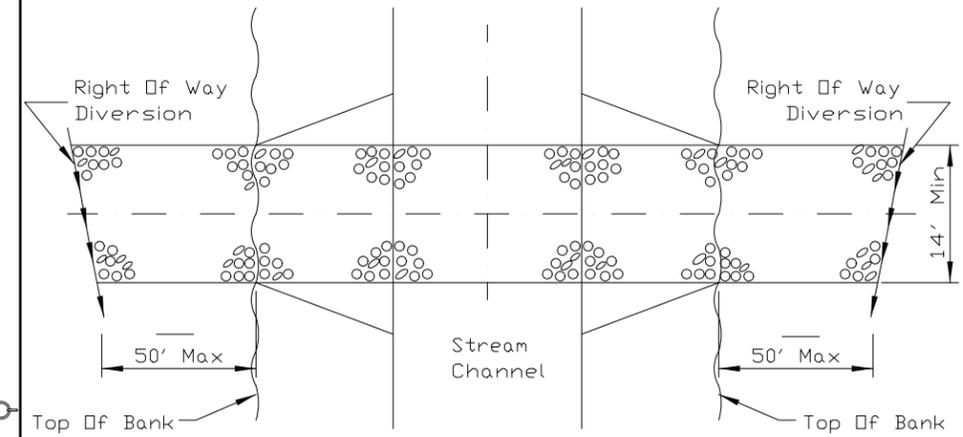


SEWN SEAM

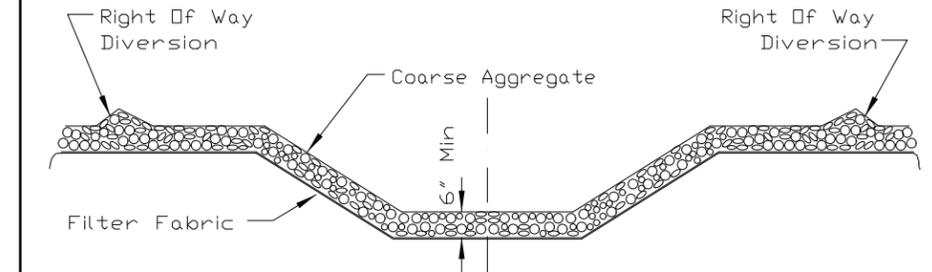


GROMMETED HOLES WITH ROPE LACING

TEMPORARY STREAM CROSSING PLAN



PLAN VIEW



SECTION

NOTES:

1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table 1 or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method I.
3. The stream crossing shall be made as perpendicular to the centerline of the stream as possible.
4. The crossing shall be removed immediately when no longer needed and the stream channel restored to its original cross section.

REFERENCE Project _____		STANDARD DWG. NO. IUM-617A
Designed _____ Date _____		SHEET 1 OF 1
Checked _____ Date _____		DATE 1-06-2012
Approved _____ Date _____		

REFERENCE Project _____		STANDARD DWG. NO. IUM-617B
Designed _____ Date _____		SHEET 1 OF 1
Checked _____ Date _____		DATE 1-6-2012
Approved _____ Date _____		

REFERENCE Project _____		STANDARD DWG. NO. IL-675
Designed _____ Date _____		SHEET 1 OF 1
Checked _____ Date _____		DATE 4-1-94
Approved _____ Date _____		

NOTE: AS STATED ON THE BRIDGE GENERAL PLAN AND ELEVATION SHEET, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN TO THE CITY AS A CONDITION OF THE US ARMY CORPS OF ENGINEERS 404 PERMIT. THE EROSION CONTROL DETAILS SHOWN ABOVE SHOULD BE CONSIDERED, BUT NOT LIMITED TO, BY THE CONTRACTOR IN DEVELOPING THE IN-STREAM WORK PLAN. THE IMPLEMENTATION OF EROSION AND SEDIMENT CONTROL MEASURES IN THE IN-STREAM WORK PLAN (DEFINED AS THE BRIDGE AREA BETWEEN STA. 104 + 83 AND STA. 105 + 33) WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

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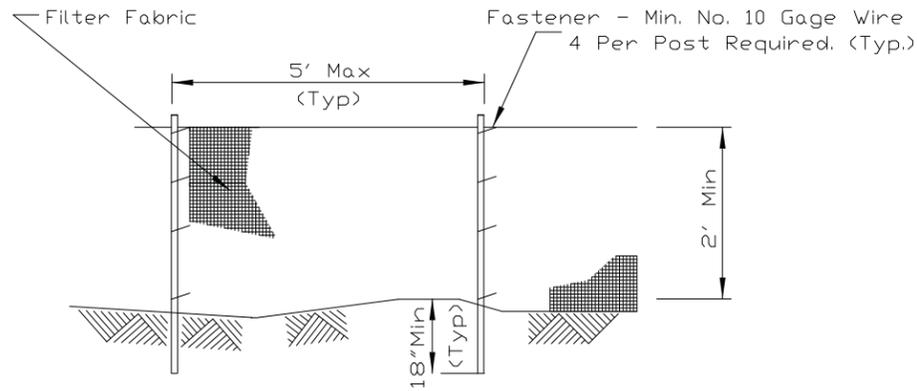
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	DATE - 10/12/15	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

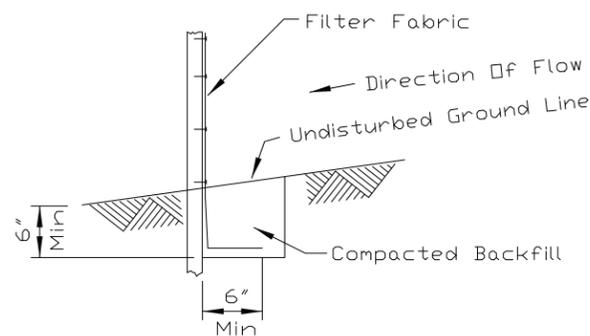
DEERPETH ROAD OVER MILL CREEK EROSION AND SEDIMENT CONTROL DETAILS			
SCALE: N.T.S.	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE. 2327	SECTION 07-00068-00-BR	COUNTY KANE	TOTAL SHEETS 78	SHEET NO. 23
CONTRACT NO. 61A88				ILLINOIS FED. AID PROJECT

SILT FENCE PLAN



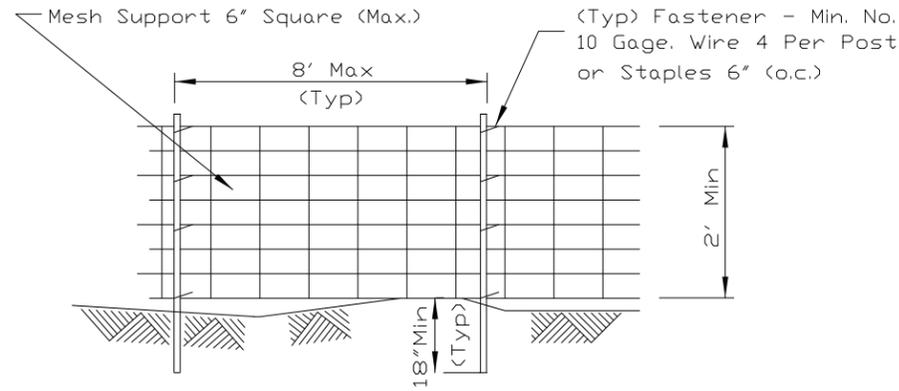
ELEVATION



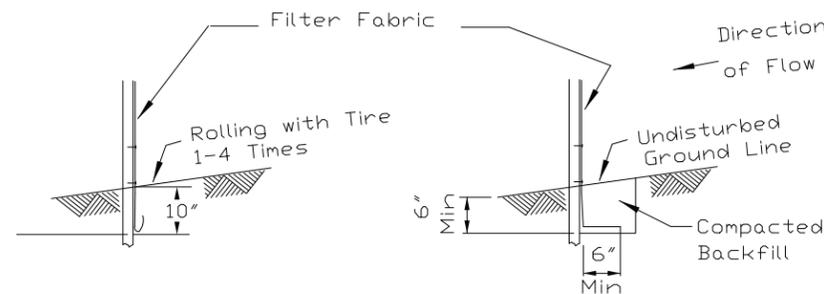
FABRIC ANCHOR DETAIL

- NOTES:
1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
 2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 30 for nonwoven and 40 for woven.
 3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

SILT FENCE WITH WIRE SUPPORT PLAN



ELEVATION

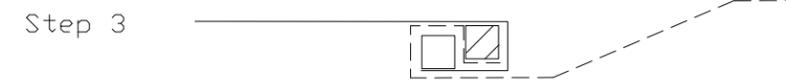
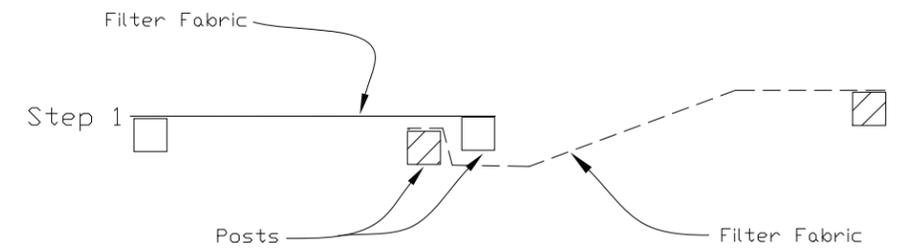


FABRIC ANCHOR DETAIL

STATIC SLICE INSTALLATION TRENCH INSTALLATION

- NOTES:
1. Silt Fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization. Silt fence shall be placed on the flattest area available.
 2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 30 for nonwoven and 40 for woven.
 3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

SILT FENCE - SPLICING TWO FENCES



ATTACHING TWO SILT FENCES

- NOTES:
1. Place the end post of the second fence inside the end post of the first fence.
 2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
 3. Cut the fabric near the bottom of the stakes to accommodate the 6" flap.
 4. Drive both posts a minimum of 18 inches into the ground and bury the flap.
 5. Compact backfill (particularly at splices) completely to prevent stormwater piping.

REFERENCE	
Project	_____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____



STANDARD DWG. NO.	IUM-620
SHEET	1 OF 1
DATE	3-16-2012

REFERENCE	
Project	_____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____



STANDARD DWG. NO.	IUM-620A(W)
SHEET	1 OF 1
DATE	3-16-2012

REFERENCE	
Project	_____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____



STANDARD DWG. NO.	IUM-620B(W)
SHEET	1 OF 1
DATE	3-16-2012

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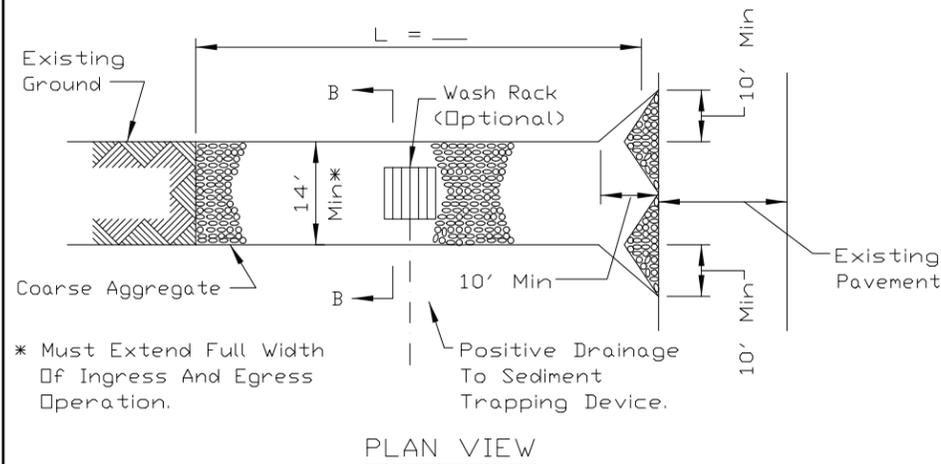
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DEERPATH ROAD OVER MILL CREEK EROSION AND SEDIMENT CONTROL DETAILS			
SCALE: N.T.S.	SHEET	OF	SHEETS
STA.	TO	STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2327	07-00068-00-BR	KANE	78	24
CONTRACT NO. 61A88				
ILLINOIS FED. AID PROJECT				

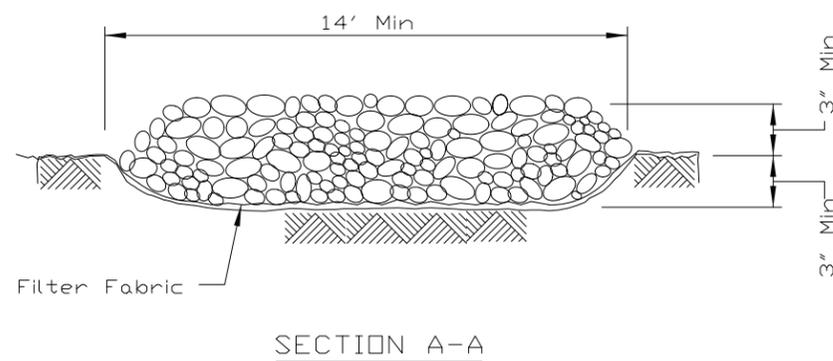
STABILIZED CONSTRUCTION ENTRANCE PLAN

STABILIZED CONSTRUCTION ENTRANCE PLAN

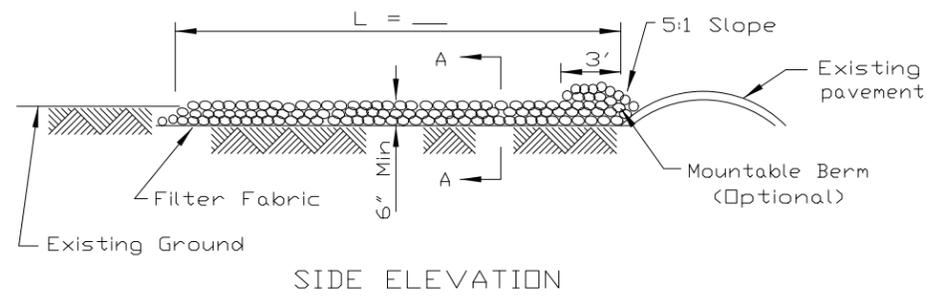


* Must Extend Full Width Of Ingress And Egress Operation.

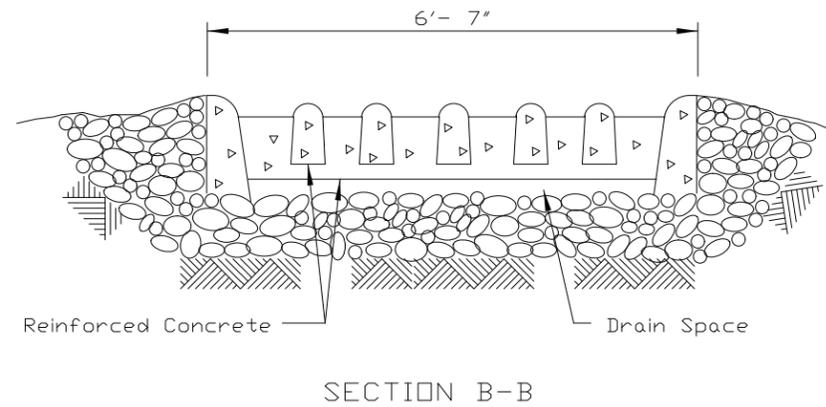
PLAN VIEW



SECTION A-A



SIDE ELEVATION



SECTION B-B

NOTES:

1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
3. Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
4. If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE	Project _____
	Designed _____ Date _____
	Checked _____ Date _____
	Approved _____ Date _____



STANDARD DWG. NO.	IL-630
SHEET	1 OF 2
DATE	8-18-94

REFERENCE	Project _____
	Designed _____ Date _____
	Checked _____ Date _____
	Approved _____ Date _____



STANDARD DWG. NO.	IL-630
SHEET	2 OF 2
DATE	8-18-94

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	DATE - 10/12/15	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DEERPATH ROAD OVER MILL CREEK
EROSION AND SEDIMENT CONTROL DETAILS**

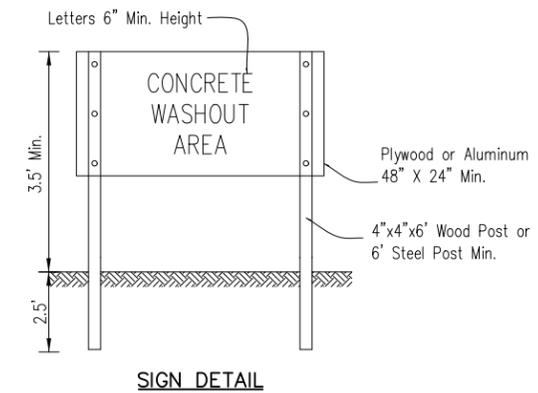
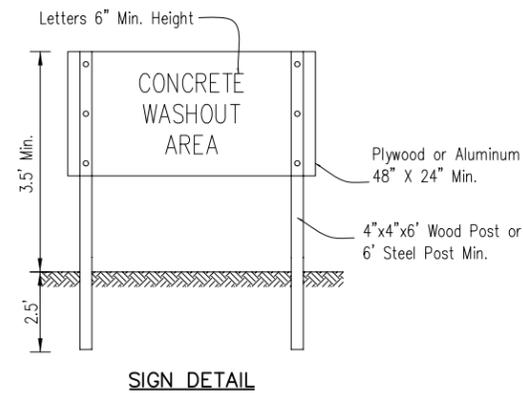
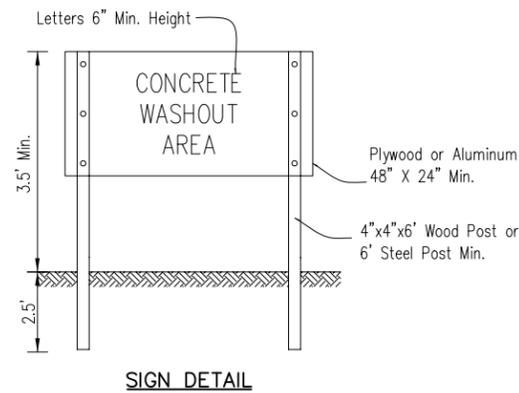
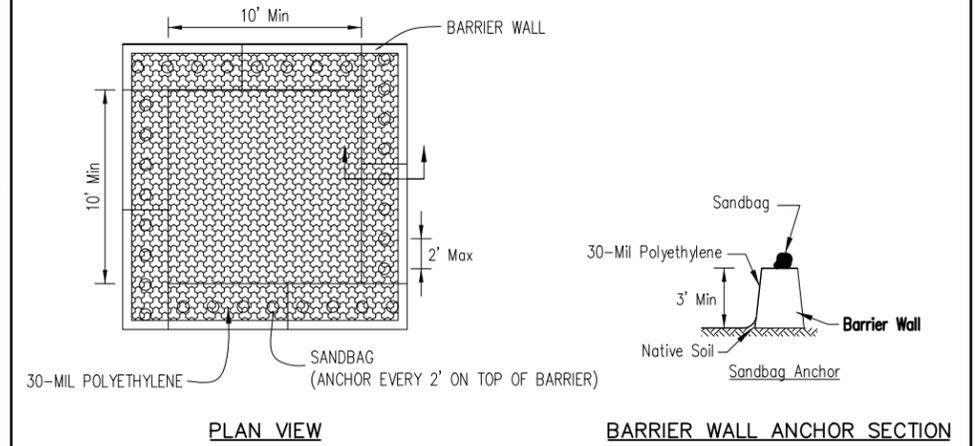
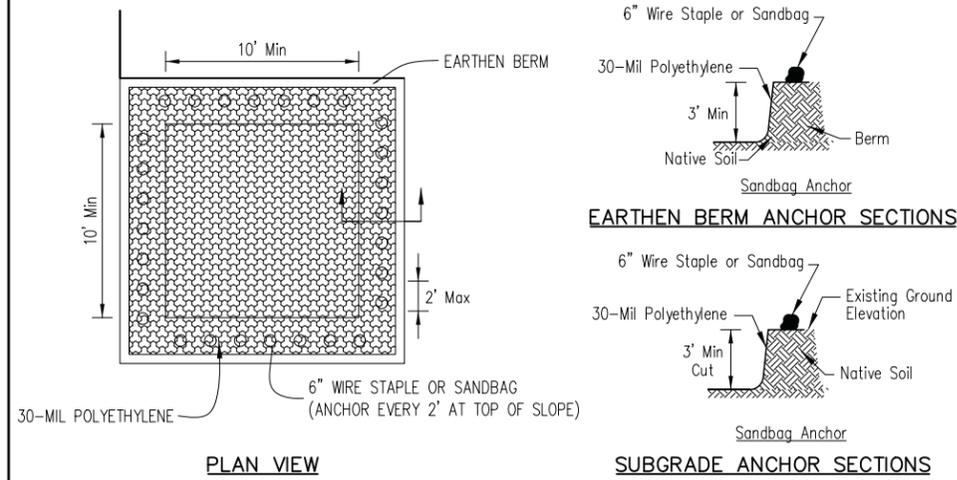
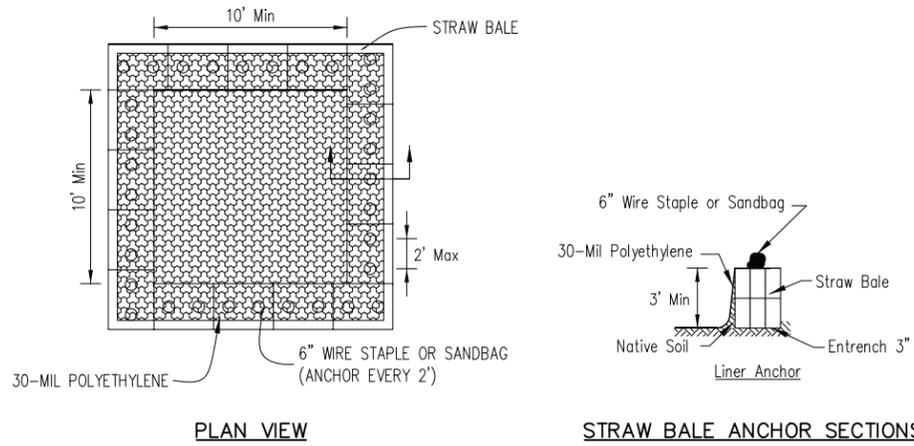
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2327	07-00068-00-BR	KANE	78	25
CONTRACT NO. 61A88			ILLINOIS FED. AID PROJECT	

TEMPORARY CONCRETE WASHOUT FACILITY - STRAW BALE

TEMPORARY CONCRETE WASHOUT FACILITY - EARTHEN TYPE

TEMPORARY CONCRETE WASHOUT FACILITY - BARRIER WALL



NOTES:

1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardened concrete and/or slurry and returning the facilities to a functional condition.
2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.
3. Each straw bale is to be staked in place using (2) 2"x2"x4' wooden stakes.

NOTES:

1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardened concrete and/or slurry and returning the facilities to a functional condition.
2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.

NOTES:

1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardened concrete and/or slurry and returning the facilities to a functional condition.
2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.

REFERENCE Project _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____



STANDARD DWG. NO. IUM-654SB
 SHEET 1 OF 3
 DATE 6-1-2008

REFERENCE Project _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____



STANDARD DWG. NO. IUM-654ET
 SHEET 2 OF 3
 DATE 6-1-2008

REFERENCE Project _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____



STANDARD DWG. NO. IUM-654BW
 SHEET 3 OF 3
 DATE 6-1-2008

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PLOT DATE = 10/10/2015	CHECKED - DNM	REVISED -
	DATE - 10/12/15	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DEERPATH ROAD OVER MILL CREEK
 EROSION AND SEDIMENT CONTROL DETAILS
 SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2327	07-00068-00-BR	KANE	78	26
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A88	