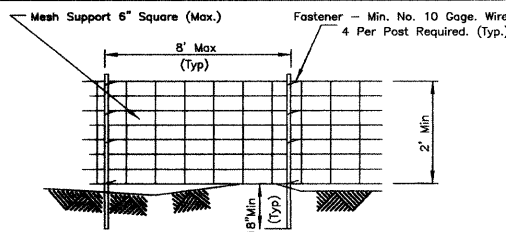


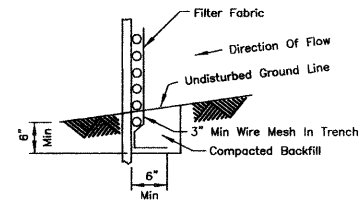
F. A. U. SEC.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1600	06-00008-00-87	WILL	73	40
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	CMM-0001 (873)	

CONTRACT #63440

SILT FENCE WITH WIRE SUPPORT PLAN



ELEVATION



FABRIC ANCHOR DETAIL

- NOTES:
1. Wires of mesh support shall be min. gage no. 12.
 2. 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.
 3. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class with equivalent opening size of at least 30 for nonwoven and 50 for woven.
 4. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

REFERENCE	STANDARD DWG. NO.
Project _____	IL-620W
Designed _____	SHEET 1 OF 2
Checked _____	DATE 3-3-85
Approved _____	



GENERAL NOTES

THE CONTRACTOR WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATIONS TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. SEDIMENTATION MUST NOT BE TRANSPORTED OFF THE CONSTRUCTION AREA. THE CONTRACTORS ATTENTION IS CALLED TO THE STANDARD SPECIFICATIONS FOR TEMPORARY EROSION CONTROL.

PERMANENT DRAINAGE FEATURES SHALL BE CONSTRUCTED AS SOON AS POSSIBLE.

SOIL EROSION CONTROL NOTES

THE CONTRACTOR SHALL BE REQUIRED TO IMPLEMENT AND MAINTAIN EROSION CONTROL MEASURES PRIOR TO EXISTING VEGETATION.

THE CONSTRUCTION LIMITS SHALL BE STAKED BY THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION. THE CONSTRUCTION LIMITS MAY BE ADJUSTED BY THE ENGINEER AND NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR CHANGED CONSTRUCTION LIMITS.

ROCK CHECK DAMS SHALL BE INSTALLED AT THE INLET AND OUTLET OF THE PROPOSED ROADWAY CULVERTS. (REFERENCE STANDARD IL-605CA) WHERE PRACTICAL, NO RUNOFF FROM STRIPPED AREAS WILL LEAVE THE SITE OTHER THAN THROUGH ROCK CHECK DAMS. THE CONTRACTOR WILL ADJUST HIS OPERATIONS AND THE IMPLEMENTATION OF EROSION CONTROL MEASURES ACCORDINGLY.

ROCK CHECK DAM INSTALLATIONS SHALL BE USED WHERE DIRECTED BY THE ENGINEER. ALL INSTALLATIONS SHALL BE INSPECTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF A RAINFALL OF 0.5 INCHES OR MORE AND BE REPLACED A MINIMUM OF EVERY 90 DAYS OR AS DIRECTED BY THE ENGINEER. SEDIMENT SHALL BE REMOVED ONCE IT HAS ACCUMULATED TO ONE-HALF THE HEIGHT OF THE ROCK CHECK DAM. (ILLINOIS URBAN MANUAL STANDARD 905)

ALL DRAINAGE STRUCTURES WITH OPEN GRATES IN THE PARKWAY SHALL HAVE INLET AND PIPE PROTECTION INSTALLED AROUND THE FRAME. (REFERENCE STANDARD IL-563) INSTALLATIONS SHALL BE INSPECTED AFTER EVERY RUNOFF PRODUCING RAIN AND SEDIMENT SHALL BE REMOVED ONCE IT HAS ACCUMULATED TO ONE-HALF THE HEIGHT OF THE BARRIER. (ILLINOIS URBAN MANUAL STANDARD 863)

PERIMETER EROSION BARRIER SHALL BE INSTALLED AS DIRECTED BY THE ENGINEER. (REFERENCE STANDARD IL-620) SEDIMENT SHALL BE REMOVED AFTER EACH RAINFALL AND ONCE IT HAS ACCUMULATED TO ONE-HALF THE HEIGHT OF THE BARRIER. (ILLINOIS URBAN MANUAL STANDARD 920)

ALL SOD SHALL BE INSTALLED AS DIRECTED BY THE ENGINEER. SOD SHALL BE WATERED EVERY WEEK TO TWO WEEKS AND FERTILIZER APPLIED AS DIRECTED BY THE ENGINEER. (ILLINOIS URBAN MANUAL STANDARD 925)

SEEDING SHALL BE INSTALLED AS DIRECTED BY THE ENGINEER. SEEDING SHALL BE CLASS 4A, A PERENNIAL RYEGRASS, AND PERFORMED BETWEEN APRIL 1 AND JUNE 1 IF PERFORMED IN THE SPRING OR AUGUST 1 AND SEPTEMBER 1 IF PERFORMED IN THE FALL. SEEDING SHALL BE PERFORMED AT A RATE OF 43 LBS/ACRE. (ILLINOIS URBAN MANUAL STANDARD 880)

THE SOIL AND WATER CONSERVATION DISTRICT IS RESPONSIBLE FOR CONDUCTING SITE VISITS AND VERIFYING THAT THE PRACTICES ARE WORKING PROPERLY AND DETERMINE IF ADDITIONAL PRACTICES ARE NEEDED FOR BETTER SOIL EROSION AND SEDIMENT CONTROL. IF ADDITIONAL PRACTICES ARE DEEMED NECESSARY BY THE SWCD THE CONTRACTOR WILL IMPLEMENT THE PRACTICES OF THE ILLINOIS URBAN MANUAL IN A TIMELY MANNER.

ROCK QUANTITIES IN TONS - PER ROCK CHECK

DEPTH (IN.)	ROCK CHECK WIDTH - 2/3 TW - IN FEET										
	10	12	14	16	18	20	22	24	26	28	30
15	1.5	1.8	2.1	2.4	2.7	3.0	3.3	3.8	3.9	4.1	4.4
18	1.8	2.1	2.5	2.8	3.2	3.8	3.9	4.3	4.8	5.0	5.3
24	2.4	2.8	3.3	3.8	4.3	4.7	5.2	5.7	6.2	6.8	7.1

NOTES:
QUANTITIES BASED ON 2 FOOT WIDE TRENCH AND 1.6 TONS/CU. YD. (DIVIDE QUANTITIES BY 2 FOR 12 INCH TRENCH WIDTHS.)

ROCK CHECK SPACING

WATERWAY GRADE %	MAXIMUM SPACING FT.
0-1.5	100
1.5-3	75
> 3	50

ROCK GRADATION - IDOT RRS

SIZE	PERCENT PASSING BY WEIGHT
50 LB.	100
10 LB.	30-70
1 LB.	0-15

SOIL EROSION AND SEDIMENTATION CONTROL-NOTES

1. GENERAL

- THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE PROVISIONS OF THE VILLAGE OF HOMER GLEN CODE, THE ILLINOIS PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL, AND IEPA STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENTATION CONTROL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND MAINTENANCE OF ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES.
- SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE LAND IS OTHERWISE DISTURBED ON THE SITE.
- SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLotation BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEANUP FUEL OR CHEMICAL SPILLS AND LEAKS.
- DUST ON THE SITE SHALL BE CONTROLLED, THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATION IS PROHIBITED.
- SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- REPAIR ANY SILTATION OR EROSION DAMAGE TO ADJOINING SURFACES AND DRAINAGE WAYS RESULTING FROM LAND DEVELOPING OR DISTURBING ACTIVITIES.
- RIP RAP SHALL CONSIST OF AGGREGATE MATERIALS AND GEOTEXTILE FABRIC PLACED IN ACCORDANCE WITH STANDARD SPECIFICATION SECTION 02300. CONTRACTOR SHALL PLACE RIP RAP A MINIMUM OF TWO (2) FEET IN VERTICAL RISE UP THE SIDE SLOPES AND SHOWN ON THE PLANS.
- CONSTRUCT TEMPORARY SITE ACCESS POINTS USING AN AGGREGATE SURFACE FOR VEHICLE WASHING. DO NOT TRACK OR SPILL DIRT ONTO ADJACENT ROADWAYS. IF DIRT IS DEPOSITED ON PUBLIC OR PRIVATE PAVEMENTS, REMOVE THE DIRT IMMEDIATELY. ALL PAVEMENT TO BE THOROUGHLY CLEANED AT THE END OF EACH DAY BY METHOD OTHER THAN FLUSHING WITH WATER.

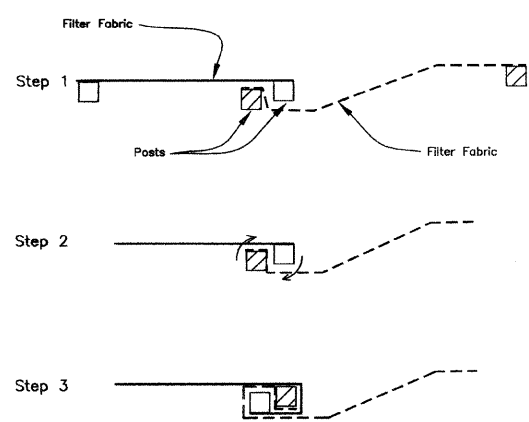
2. IMPLEMENTATION

- BEFORE STARTING SITE GRADING WORK, SILT FENCES SHALL BE INSTALLED AS SHOWN ON THE PLANS. IF DIRECTED BY THE MUNICIPAL ENGINEER, THE CONTRACTOR SHALL INSTALL ADDITIONAL SILT FENCES WHERE NEEDED.
- GRAVELED ROADS, ACCESS DRIVES, PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH, AND VEHICLE WASH DOWN FACILITIES, IF NECESSARY, SHALL BE PROVIDED TO PREVENT SOIL FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. ANY SOIL REACHING A PUBLIC OR PRIVATE ROADWAY SHALL BE REMOVED BEFORE THE END OF EACH WORKDAY.
- ANY PUBLIC AND/OR PRIVATE ROADS THAT ARE ADJACENT TO THE SITE AND USED FOR INGRESS AND EGRESS, SHALL BE MONITORED AND SWEEPED WHEN DIRTY AT THE DIRECTION OF THE VILLAGE OF HOMER GLEN ENGINEER.
- STAKED STRAW BALES SHALL BE INSTALLED AND MAINTAINED AROUND INTAKE STRUCTURES (I.E. INLETS, CATCH BASINS) AS SHOWN ON THE PLAN. THE CONTRACTOR, AT HIS OPTION, MAY USE SILT FENCES INSTEAD OF STRAW BALES.
- IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN 10 DAYS, SEDIMENT AND EROSION CONTROL SHALL BE PROVIDED AROUND SUCH STOCKPILE. IF MORE THAN 2 MONTHS, THEN IT IS REQUIRED THAT THE STOCKPILE BE SEEDDED SO AS TO MINIMIZE SOIL EROSION BY BOTH WIND AND WATER.

3. INSPECTION AND MAINTENANCE

- THE TEMPORARY EROSION CONTROL MEASURES SHALL BE IN PLACE AND WORK EFFECTIVELY UNTIL ALL THE PERMANENT EROSION CONTROL ITEMS ARE FULLY FUNCTIONAL.
- THE CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES WEEKLY AND AFTER ANY STORM EVENT IN EXCESS OF 1/2". ANY DEFICIENCIES SHALL BE CORRECTED IMMEDIATELY.
- AT THE COMPLETION OF THE PROJECT, ALL STORM SEWER PIPES AND STRUCTURES SHALL BE CLEANED AND FREE OF DIRT AND DEBRIS. THE SEDIMENTATION SHALL BE REMOVED FROM THE STORM SEWER SYSTEM AND SHALL NOT BE WASHED OUT IN THE STORM SEWER SYSTEM.

SILT FENCE



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. Drive both posts a minimum of 18 inches into the ground and bury the flap.

REFERENCE	STANDARD DWG. NO.
Project _____	IL-620(W)
Designed _____	SHEET 2 OF 2
Checked _____	DATE 1-29-99
Approved _____	



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

HOMER GLEN GMAQ COMMUNITY BIKE TRAIL AND EAST EXTENSION

EROSION CONTROL NOTES & DETAILS

SCALE: VERT. N/A
HORIZ. N/A

DATE: FEBRUARY 2, 2010

DRAWN BY: JJB
CHECKED BY: BDB

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ILLINOIS DESIGN FIRM REGISTRATION NO. 154021128

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