

FA RTE.	SECTION	COUNTY
---	05-P4086-00-PK	COOK
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 63060

DATE	BY
6-18-08	JFG
6-24-08	JFG
7-18-08	JFG
7-25-08	JFG

REVISED PER IDOT COMMENTS
 PER IDOT COMMENTS
 PER IDOT COMMENTS
 PER IDOT COMMENTS

W-T CIVIL ENGINEERING, LLC
 CIVIL AND STRUCTURAL ENGINEERS
 2075 Pratum Avenue
 Hoffman Estates, Illinois 60132
 PH: (224) 293-0333 FAX: (224) 293-0444
 www.wteengineering.com
 IL License No.: 184-003492 Exp: 04/30/09

W-T
 SPRING ROCK PARK
 CENTRAL AVE & 47TH ST
 WESTERN SPRINGS, IL

SOIL EROSION CONTROL DETAILS

DATE:	05/23/08
SCALE:	1" = 50'
DRAWN:	JFG
CHECK:	TOA
JOB:	CE06316
SHEET:	18 OF 26

CONSTRUCTION SEQUENCE

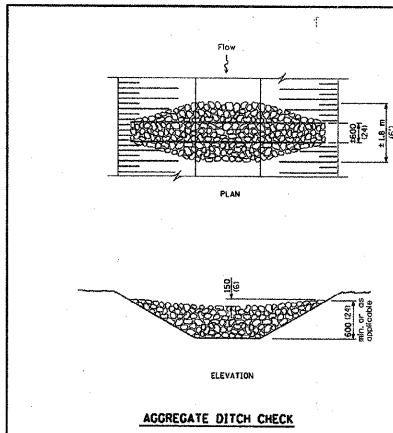
- INSTALLATION OF FILTER FENCE AS DEPICTED ON PLANS AND STORM DRAIN PROTECTION AT EXISTING INLETS PRIOR TO ANY EARTH MOVING OPERATIONS.
- TEMPORARY CONSTRUCTION FENCE
- INSTALLATION OF STABILIZED CONSTRUCTION ENTRANCE.
- DEMOLISH BUILDINGS
- STRIPPING AND STOCK PILING OF TOPSOIL AND ROUGH GRADING. TEMPORARY STABILIZATION WITHIN 15 DAYS.
- CONSTRUCTION OF UNDERGROUND IMPROVEMENTS. AREA NEXT TO RIMS SHALL BE EXCAVATED TO RAISE RIM ABOVE GROUND SURFACE.
- WATER PUMPED OR OTHERWISE DISCHARGED FROM SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.
- PLACEMENT OF SILT FENCE INLET AND DITCH CHECK SEDIMENT TRAPS AT NEW INLETS AND DRAINAGE SHALES.
- FINAL GRADING.
- PERMANENT LANDSCAPE INSTALLATION OR TEMPORARY STABILIZATION SHALL BE PROVIDED WITHIN 15 DAYS OF FINAL GRADING.
- EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND SHALL BE CONTINUALLY MAINTAINED AS FOLLOWS:
 - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
 - DAILY INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED.
 - TEMPORARY COVER SHALL BE CONTINUOUSLY MAINTAINED UNTIL PERMANENT COVER IS ESTABLISHED. LANDSCAPING/SOD IS CONSIDERED TEMPORARY UNTIL IT IS CAPABLE OF SURVIVING SEVERE WEATHER CONDITIONS.
 - INLETS AND DRAINAGEWAYS SHALL BE INSPECTED AND CLEANED PERIODICALLY AND BEFORE MAINTENANCE RESPONSIBILITY EXPIRES.
 - EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED AFTER EACH SIGNIFICANT PRECIPITATION EVENT.

SEDIMENTATION AND EROSION CONTROL SPECIFICATIONS

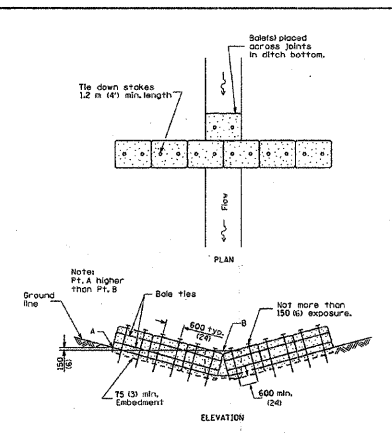
- HAY OR STRAW DITCH CHECKS SHALL BE INSTALLED AT 50' INTERVALS ON ALL SHALES. DITCH CHECKS SHALL BE MAINTAINED UNTIL DRAINAGE AREA TRIBUTARY TO DITCH CHECKS HAS LIVE AND GROWING GRASS OR GROUND COVER. AFTER LIVE AND GROWING GRASS OR GROUND COVER HAS BEEN ESTABLISHED, DITCH CHECKS SHALL BE REMOVED.
- STACKED HAY OR STRAW BALES SHALL BE INSTALLED AROUND EACH INLET OR CATCH BASIN THAT HAS A TYPE B GRATE. THESE SHALL BE MAINTAINED UNTIL DRAINAGE AREA TRIBUTARY HAS GROWING GRASS OR GROUND COVER.
- STREETS ADJACENT TO THE SITE SHALL BE KEPT FREE OF DIRT, MUD AND DEBRIS.
- MINIMIZE BARE EARTH SURFACES DURING CONSTRUCTION.
- ALL DISTURBED AREAS SHALL BE SEED OR SODDED AS SOON AS IS PRACTICABLE.
- WHENEVER DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIALS IS DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, OR DITCHES SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THIS LOOSE MATERIAL SHALL BE REMOVED.
- ALL SEDIMENT WILL BE PREVENTED FROM ENTERING ANY EXISTING STORM DRAINAGE SYSTEMS BY THE USE OF SAND BAGS, INTERCEPTOR DICES OR OTHER APPROVED FUNCTIONAL METHODS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT RESULTING FROM THIS PROJECT FROM STORM SEWERS AND DRAINAGE STRUCTURES.
- CONSTRUCTION ACCESS POINTS TO THE SITE SHALL BE PROTECTED IN SUCH A MANNER AS TO PREVENT TRACKING OF MUD OR SOIL ONTO PUBLIC THROUGHWAYS. AT THE END OF EACH DAY THE CONTRACTOR SHALL CLEAN UP ALL MUD OR SOIL WHICH HAS BEEN TRACKED ONTO PUBLIC STREETS OR AS REQUIRED BY VILLAGE OFFICIALS.

SEDIMENT AND EROSION CONTROL REQUIREMENTS

- SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE LAND IS OTHERWISE DISTURBED ON THE SITE.
- STOCKPILE OF SOIL SHALL NOT BE LOCATED IN SPECIAL MANAGEMENT AREAS.
- IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS, THEN SEDIMENT AND EROSION CONTROL SHALL BE PROVIDED FOR SUCH STOCKPILE.
- IF THE VOLUME, VELOCITY, SEDIMENT LOAD, OR PEAK FLOW RATES OF STORMWATER RUNOFF ARE TEMPORARILY INCREASED DURING CONSTRUCTION, THEN PROPERTIES AND SPECIAL MANAGEMENT AREAS DOWNSTREAM FROM SUCH DEVELOPMENT SITES SHALL BE PROTECTED FROM EROSION.
- STORM SEWER INLETS SHALL BE PROTECTED WITH SEDIMENT TRAPPING OR FILTER CONTROL DEVICES DURING CONSTRUCTION.
- THE SURFACE OF STRIPPED AREAS SHALL BE PERMANENTLY OR TEMPORARILY PROTECTED FROM SOIL EROSION WITHIN 15 DAYS AFTER FINAL GRADE IS REACHED. STRIPPED AREAS THAT WILL REMAIN UNDISTURBED FOR MORE THAN 15 DAYS AFTER INITIAL DISTURBANCE SHALL BE PROTECTED FROM EROSION. TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED CONTINUOUSLY UNTIL PERMANENT COVER IS ESTABLISHED.
- WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED. ACCEPTABLE METHODS INCLUDE, BUT ARE NOT LIMITED TO: INLET PROTECTION, STILLING BASINS, FILTER FENCE AND VEGETATED SHALES.
- GRAVEL ROADS, ACCESS DRIVES, PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH, AND VEHICLE WASH DOWN FACILITIES IF NECESSARY, SHALL BE PROVIDED TO PREVENT THE DEPOSIT OF 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.
- ALL CONTROL MEASURES NECESSARY TO MEET THE REQUIREMENTS OF THIS ORDINANCE OR THE TOWN OF WESTERN SPRINGS SHALL BE KEPT OPERATIONAL AND MAINTAINED CONTINUOUSLY THROUGHOUT THE PERIOD OF LAND DISTURBANCE UNTIL PERMANENT SEDIMENT AND EROSION CONTROL MEASURES ARE OPERATIONAL.



AGGREGATE DITCH CHECK



ROLLED EXCELSIOR OR STRAW BALES FOR DITCH CHECK

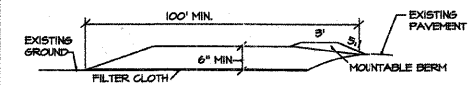
GENERAL NOTES

The dimensions and installation methods for ditch checks shall be the same as specified for erosion barriers and filter cloth outlet protection unless otherwise specified.

All dimensions are in millimeters (inches) unless otherwise shown.

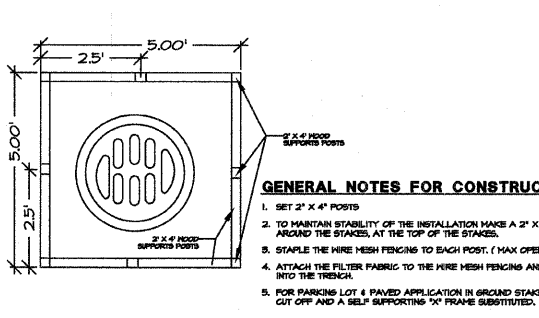
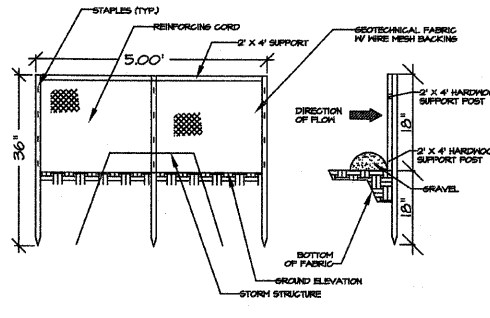
DATE	REVISIONS
11-02	Rev. ditch ck details
11-02	Excelsior perimeter erosion barrier detail
11-02	Excelsior ditch check detail
11-02	Rev. filter fence sys. 3
11-02	Inst. 8. Silty prot. detail

TEMPORARY EROSION CONTROL SYSTEMS
 STANDARD 280001-02



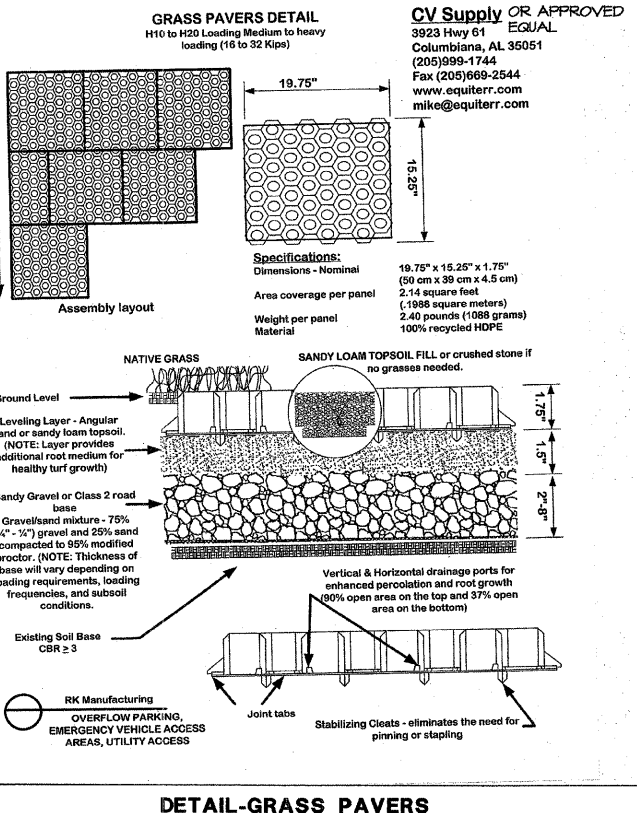
- LENGTH - AS REQUIRED, BUT NOT LESS THAN 100 FEET EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.
- THICKNESS - NOT LESS THAN 6 INCHES.
- WIDTH - TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS AND EGRESS OCCURS.
- FILTER CLOTH - WILL BE REPLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY, MUST BE REMOVED IMMEDIATELY.
- WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

DETAIL-CONSTRUCTION ENTRANCE
 NOT TO SCALE

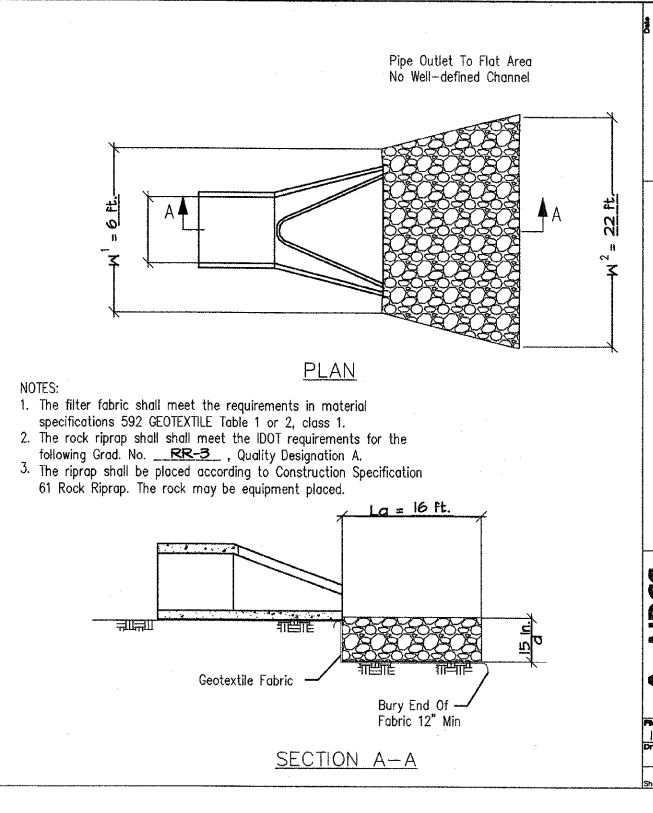


- GENERAL NOTES FOR CONSTRUCTION**
- SET 2" X 4" POSTS
 - TO MAINTAIN STABILITY OF THE INSTALLATION MAKE A 2" X 4" FRAME AROUND THE STAPLES, AT THE TOP OF THE STAPLES.
 - STAPLE THE WIRE MESH FENCING TO EACH POST. (MAX OPENING IN MESH 6")
 - ATTACH THE FILTER FABRIC TO THE WIRE MESH FENCING AND EXTEND IT INTO THE TRENCH.
 - FOR PARKING LOTS A PAVED APPLICATION IN GRASS STAPLES SHOULD BE CUT OFF AND A SELF SUPPORTING 'X' FRAME SUBSTITUTED.

DETAIL-SILT FENCE INLET PROTECTION
 NOT TO SCALE



DETAIL-GRASS PAVERS



DATE: 5/23/08
 DRAWN: JFG
 CHECKED: TOA
 APPROVED: [Signature]

Scale: 1" = 50'

1 of 1

