



GENERAL EROSION CONTROL NOTES:

1. EROSION CONTROL MEASURES AS INDICATED IN THE EROSION CONTROL PLAN, AND AS DIRECTED BY THE ENGINEER SHALL BE INSTALLED ON THE PROJECT SITE PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODIBLE CONDITIONS. EROSION CONTROL DEVICES SHALL BE IN PLACE AND APPROVED BY THE ENGINEER AS TO PROPER PLACEMENT AND INSTALLATION PRIOR TO BEGINNING OTHER WORK. EROSION CONTROL PROTECTION FOR CONTRACTOR BORROW PITS, EQUIPMENT STORAGE SITES, PLANT SITES, HAUL ROADS AND OTHER SITES SHALL BE INSTALLED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES AT EACH SITE.
2. THE ENGINEER WILL DIRECT SEEDING OR OTHER METHODS TO LIMIT THE SURFACE AREA OF ERODIBLE EARTH MATERIAL EXPOSED BY CLEARING AND GRUBBING, EXCAVATION, BORROW AND EMBANKMENT OPERATIONS, AND TO DIRECT THE CONTRACTOR TO PROVIDE IMMEDIATE PERMANENT OR TEMPORARY EROSION CONTROL MEASURES. THE CONTRACTOR SHALL INCORPORATE ALL PERMANENT EROSION CONTROL FEATURES INTO THE PROJECT AT THE EARLIEST PRACTICABLE TIME TO MINIMIZE THE NEED FOR TEMPORARY CONTROLS. COMPLETED SLOPES SHALL BE SEEDDED AND MULCHED AS THE EXCAVATION PROCEEDS TO THE EXTENT CONSIDERED DESIRABLE AND PRACTICAL. PERMANENT SEEDING SHALL BE USED WHENEVER POSSIBLE. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDDED AT ONE TIME. WHEREVER POSSIBLE PERMANENTLY SEEDDED AREAS SHALL BE AVOIDED WHEN PERFORMING ADJACENT WORK. SEEDING DONE OUTSIDE THE SPECIFIED SEEDING DATES SHALL BE APPROVED BY THE ENGINEERING IN WRITING.
3. TEMPORARY EROSION CONTROL SYSTEMS:
 - A. TEMPORARY DITCH CHECKS: THIS SYSTEM CONSISTS OF THE CONSTRUCTION OF TEMPORARY DITCH CHECKS TO PREVENT SILTATION, EROSION OR SCOUR OF VARIOUS DITCHES AND DRAINAGEWAYS. THE DITCH CHECKS SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD DRAWINGS, AND, WHERE APPROPRIATE, THE MANUFACTURERS' SPECIFICATIONS. THEY SHALL ALSO BE SPACED SO THAT THE LOW POINT IN THE CENTER OF THE DITCH CHECK IS AT APPROXIMATELY THE SAME ELEVATION AS THE GROUND LINE AT THE DITCH CHECK IMMEDIATELY UPSTREAM.
HAY OR STRAW BALES SHALL BE INSTALLED IN A BACKFILLED TRENCH 3 INCHES DEEP. WHERE MORE THAN ONE ROW IS USED, THE BALES SHALL BE STAGGERED TO COVER JOINTS. WHERE BALES ARE TO BE STAKED, A MINIMUM OF TWO STAKES PER BALE SHALL BE USED. THE BALES SHALL BE PLACED SO THAT THE BALES TIES ARE NOT IN CONTACT WITH THE GROUND. THIS WORK MAY BE CONSTRUCTED OF HAY OR STRAW BALES.
 - B. PERIMETER EROSION BARRIER: THIS SYSTEM CONSISTS OF A CONTINUOUS BARRIER ADJACENT TO AN AREA OF CONSTRUCTION TO INTERCEPT SHEET FLOW OF WATER BORNE SILT AND SEDIMENT, AND PREVENT IT FROM LEAVING THE AREA OF CONSTRUCTION. THE BARRIER SHALL BE CONSTRUCTED ACCORDING TO MANUFACTURERS' SPECIFICATIONS WHERE APPROPRIATE.
SILT FILTER FENCE SHALL BE SUPPORTED ON POSTS AT LEAST 6 FEET IN LENGTH, AND SPACED ON 6 FOOT CENTERS. THE BOTTOM OF THE FABRIC SHALL BE INSTALLED IN A BACKFILLED TRENCH 6 INCHES DEEP, AND SECURELY ATTACHED TO THE POST BY A METHOD APPROVED BY THE ENGINEER. EROSION CONTROL FENCE MAY BE SPECIFIED TO PROVIDE ADDITIONAL SUPPORT FOR THIS INSTALLATION.
 - C. INLET AND PIPE PROTECTION: THIS SYSTEM CONSISTS OF PLACEMENT OF PROTECTION SURROUNDING INLETS, PIPE INLETS OR OUTFALLS, AND IN SIMILAR LOCATIONS AS REQUIRED TO INTERCEPT WATER BORNE SILT AND SEDIMENT AND PREVENT IT FROM ENTERING THE DRAINAGE SYSTEM OR EXITING THE CONSTRUCTION AREA. THE PROTECTION SHALL BE CONSTRUCTED ACCORDING TO THE MANUFACTURERS' SPECIFICATIONS WHERE APPROPRIATE.
 - D. TEMPORARY EROSION CONTROL SEEDING: THIS SYSTEM CONSISTS OF SEEDING ALL ERODIBLE/BARE AREAS EVERY SEVEN DAYS TO MINIMIZE THE AMOUNT OF EXPOSED SURFACE AREA WITHIN CONTRACT LIMITS. SEED SHALL BE ACCORDING TO ARTICLE 1081.04 AND SHALL CONSIST OF OATS FROM MARCH 1 TO JULY 31 AND WINTER WHEAT FROM AUGUST 1 TO NOVEMBER 15. SEED BED PREPARATION SHALL NOT BE REQUIRED IF THE SOIL IS IN A LOOSE CONDITION. LIGHT DISKING SHALL BE DONE IF THE SOIL IS HARD PACKED OR CAKED. FERTILIZER NUTRIENTS WILL NOT BE REQUIRED. THE SEED SHALL BE APPLIED BY HAND BROADCASTING OR AS DIRECTED BY THE ENGINEER, TO ACHIEVE A REASONABLY UNIFORM COVERAGE AT A RATE OF 100 LB/ACRE. SEED SHALL BE APPLIED TO ALL BARE AREAS WITHIN CONTRACT LIMITS EVERY SEVEN DAYS, REGARDLESS OF WEATHER CONDITIONS OR PROGRESS OF THE WORK, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE ENGINEER MAY REQUIRE THAT CRITICAL LOCATIONS BE SEEDDED IMMEDIATELY, THE CONTRACTOR SHALL SEED THESE AREAS WITHIN 48 HOURS OF SUCH DIRECTIVE.
4. MAINTENANCE: THE TEMPORARY EROSION CONTROL SYSTEMS INSTALLED BY THE CONTRACTOR SHALL BE PROPERLY MAINTAINED AS DIRECTED BY THE ENGINEER TO CONTROL SILTATION AT ALL TIMES DURING THE LIFE OF THE CONTRACT. THIS WORK SHALL INCLUDE REPAIR OF THE VARIOUS SYSTEMS, REMOVAL OF TRAPPED SEDIMENT AND CLEANING OF ANY SILT FILTER FABRIC. ACCUMULATED SILT IN SEDIMENT BASINS SHALL BE REMOVED AT ANY TIME THE BASIN BECOMES 75 PERCENT FILLED.
5. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT CERTIFICATION STATEMENT (NPDES ATTACHMENT 6). FULL COMPLIANCE WITH ALL TERMS OF THE NPDES PERMIT MUST BE STRICTLY ADHERED TO.
6. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION.
7. COPIES OF THE EROSION AND SEDIMENT CONTROL PLAN (ESCP), STORM WATER POLLUTION PREVENTION PLAN (SWPP), AND NPDES PERMIT FORMS SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

DRAINAGE SUMMARY NOTES:

EXISTING CONDITIONS: THE EXISTING SITE GENERALLY DRAINS IN A NORTHWESTERLY & SOUTHERLY DITCH FLOW. AGRICULTURAL AND ROADWAY AREAS.
PROPOSED SITE IMPROVEMENTS: PROPOSED SITE IMPROVEMENTS WILL NOT CHANGE THE EXISTING GENERAL SITE DRAINAGE PATTERN. SITE INLETS WHICH CAPTURE A MAJORITY OF THE SITE RUNOFF ARE TO BE FITTED WITH INLET BASKETS IN ORDER TO FILTER SEDIMENT MATERIALS FROM STORMWATER. AREAS OF PROPOSED EARTH DISTURBANCE DURING CONSTRUCTION SHALL BE PROTECTED WITH SILT FENCE.

GENERAL CONSTRUCTION NOTES:

1. UNDERGROUND WATER, GAS, TELEPHONE, SEWER, AND ELECTRICAL UTILITY INFORMATION SHOWN ON THIS PLAN WAS COMPILED FROM PREVIOUS SITE PLANS, UTILITY COMPANY MAPS, AND FIELD LOCATION OF VISIBLE STRUCTURES SUCH AS MANHOLES, VALVES, JUNCTION BOXES, ET CETERA. IN ALL CASES, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ANY UNDERGROUND UTILITIES THAT MAY AFFECT HIS WORK PRIOR TO ANY ON-SITE CONSTRUCTION. THE J.U.L.I.E. TELEPHONE NUMBER IS 1-800-892-0123.
 2. ITEMS OF SITE CONSTRUCTION SHALL BE GOVERNED BY THE APPLICABLE PROVISIONS OF "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1 2002, BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL STATE AND LOCAL ORDINANCES AND SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO INITIATING CONSTRUCTION.
- ▲ INSTALL HAY OR STRAW BALE TEMPORARY DITCH CHECKS AS REQUIRED AND SPACED AS NEEDED.
 ▲ PROVIDE INLET & PIPE PROTECTION TO PREVENT SILT AND SEDIMENT FROM LEAVING THE CONSTRUCTION AREA.
 ▲ INSTALL TEMPORARY SILT FILTER FENCE AS AN EROSION BARRIER AS REQUIRED IN ACCORDANCE WITH IDOT STANDARD 280001-02.

EROSION AND SEDIMENT CONTROL QUANTITIES

TEMPORARY EROSION CONTROL SEEDING	LBS
ENTIRE PROJECT	TOTAL 400
TEMPORARY DITCH CHECKS	
U.S. 150	EACH
38+00 RT. & LT.	2
C.H. 32	
33+80 RT. & LT.	2
	TOTAL 4
PERIMETER EROSION CONTROL BARRIER	
U.S. 150	FEET
35+30 LT. TO 39+00 LT.	480
C.H. 32	
33+80 RT. TO U.S. 150 41+00 RT.	470
	TOTAL 950
INLET AND PIPE PROTECTION	
U.S. 150	EACH
32+00 LT. (MANHOLE WITH TYPE B GRATE)	
32+00 LT. (INLET)	
32+00 RT. (INLET)	
34+80 LT. (MANHOLE WITH TYPE B GRATE)	
34+80 LT. (INLET)	
34+80 RT. (INLET)	
36+08 LT. (DETENTION POND OUTLET)	
37+67 LT. (PIPE)	
C.H. 32	
35+18 RT. (PIPE)	1
LOGISTICS PARKWAY	
01+38 RT. & LT. (INLETS)	2
	TOTAL 11

EROSION CONTROL LEGEND

- PERIMETER EROSION BARRIER
- ◇ TEMPORARY DITCH CHECK
- ⊠ INLET & PIPE PROTECTION
- FLOW DIRECTION
- EXISTING PIPE CULVERT
- PROPOSED PIPE CULVERT

EROSION & SEDIMENT CONTROL PLAN
SCALE: 1" = 50'

REVISIONS 04/03/2006 JNH

DRAWN: JNH	CHECKED: KJC	APPROVED: KJC	FILE NAME: 240215/EROSION_CONT.DWG
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EROSION & SEDIMENT CONTROL PLAN
PLANS FOR PROPOSED
INTERSECTION CONSTRUCTION
US ROUTE 150, LOGISTICS PARKWAY & KNOX COUNTY HWY. 32
GALESBURG, ILLINOIS

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