



**SOIL CLASSIFICATION**  
 MASSENA EXTREMELY STONY LOAM  
 0-6% SLOPES  
 "K" FACTOR = 0.28  
 CLASSIFIED SLIGHTLY ERODIBLE

**LEGEND:**

- 8" UNDERDRAIN PIPE
- ==== STORM DRAIN PIPE
- ⊕ CATCH BASIN
- FLOW DIRECTION
- EX-57 IDENTIFICATION NUMBER

**LEGEND**

- ⊕ SILT FENCE
- ⊕ LIMITS OF SOIL DISTURBANCE
- ⊕ EROSION MATTING
- PDF PROJECT DEMARCATION FENCE (ALSO TEMPORARY CONSTRUCTION LIMITS)
- BF BARRIER FENCE (ALSO TEMPORARY CONSTRUCTION LIMITS)
- ⊕ INLET PROTECTION DEVICE, FILTER FABRIC
- ⊕ STABILIZED CONSTRUCTION ENTRANCE
- ⊕ CLASS 3 WETLANDS
- UT - UNDERGROUND COMMUNICATIONS
- G - UNDERGROUND GAS

**EXISTING DRAINAGE PIPES**

PIPE NO.	LOCATION	COMMENTS
EX-56	COMSTOCK RD. 3+48 RT - 4+08 RT	30" CGMP, RETAIN
EX-57	COMSTOCK RD. 3+04 RT - 3+39 RT	24" CGMP, REMOVE
EX-58	COMSTOCK RD. 4+94 LT - 5+58 LT	15" CPEP, RETAIN

**CAUTION!**  
 APPROXIMATE LOCATION OF HIGH PRESSURE GAS LINES.

**NEW DRAINAGE STRUCTURES**

STRUCTURE	LOCATION	RIM	COMMENTS
CB-50	COMSTOCK 3+47.1, 27.2' RT	245.50 05	PRECAST REINFORCED CONCRETE CATCH BASIN WITH TYPE 'A' GRATE. CONNECT TO EX-56

**NEW DRAINAGE PIPES**

PIPE NO.	LOCATION	INV. IN	INV. OUT	COMMENTS
P-51	COMSTOCK 3+47.1 RT - KELLOGG 20+85.5 LT	240.74	239.00	18"x39" CPEP W/ END SECTION DAYLIGHTS TO DITCH
P-52	COMSTOCK 2+62.5 RT - 3+47.1 RT	236.04	233.89	30"x95" CPEP (SL) W/END SECTION
U-53	COMSTOCK 3+80.0 LT - 3+87.0 RT	245.00	244.70	8" UNDERDRAIN OUTLET AT U-56
U-54	COMSTOCK 3+69.0 LT - 3+78 RT	245.00	244.70	8" UNDERDRAIN OUTLET AT U-55
U-55	COMSTOCK 3+47.1 RT - 3+87.0 RT	244.70	243.00	8" UNDERDRAIN CARRIER PIPE OUTLET INTO CB-50
U-56	COMSTOCK 3+87.0 RT - 4+07.2 RT	244.70	244.30	8" UNDERDRAIN CARRIER PIPE OUTLET INTO DITCH

- DRAINAGE NOTES:**
- SEE SHEET 3 FOR UNDERDRAIN LOCATION WITHIN RAILROAD BALLAST AT ROADWAY CROSSING. MINIMUM GRADE OF UNDERDRAIN PIPE SHALL BE 1.00%.
  - INSTALL END SECTION AND CONSTRUCT STONE FILL TYPE II OUTLET PROTECTION AT THE OUTLET OF PIPE P-52. SEE DETAIL ON SHEET 2.
  - UNDERDRAIN, UNDERDRAIN CARRIER PIPE AND NECESSARY TRENCH EXCAVATION PAID AS ITEM 900,645 "SPECIAL PROVISION (RECONSTRUCT RAIL-HIGHWAY CROSSING)".

- EPSC NOTES:**
- FOR ADDITIONAL DETAILS, REFER TO THE LOW RISK SITE HANDBOOK FOR EROSION PREVENTION AND SEDIMENT CONTROL.

PROJECT NAME: SWANTON  
 PROJECT NUMBER: STP 2038(16)  
 FILE NAME: ...\\Plot+Files\\IL\\drainage.prf PLOT DATE: 8/31/2011  
 PROJECT LEADER: G. EDWARDS DRAWN BY: KJR  
 DESIGNED BY: KJR CHECKED BY: GAE  
**DRAINAGE PLAN** SHEET II OF 25

