

T HANGAR TAXILANE

TAXIWAY C

**NOTE**

1. SEE DRAINAGE SCHEDULE SHEET FOR INFORMATION PERTAINING TO THE PIPES AND STRUCTURES ON THIS SHEET.
2. SHOULD THE ELEVATIONS OF THE EXISTING UNDERDRAIN CONFLICT WITH THOSE OF THE PROPOSED LINE 1, THE CONTRACTOR SHALL INSTALL A COLLECTION STRUCTURE AT THE INTERSECTION. AN ADDITIONAL COLLECTION STRUCTURE HAS BEEN INCLUDED IN THE PLAN QUANTITIES FOR THIS PURPOSE.
3. UNDERDRAIN PIPE SHALL BE INSTALLED AT A CONSTANT OFFSET AS SHOWN ON THE UNDERDRAIN DETAILS. PIPE OFFSETS WILL VARY WHEN CONNECTING TO CLEANOUTS AND COLLECTION STRUCTURES, BUT SHALL IMMEDIATELY TAPER BACK TO THE STANDARD OFFSET.

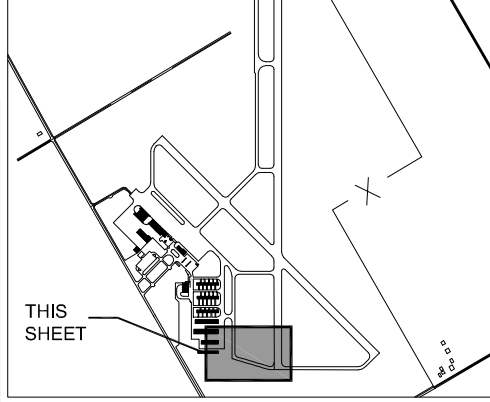
**UNDERDRAIN STRUCTURE SCHEDULE**

| STRUCTURE | TYPE                 | STATION | OFFSET   | RIM ELEV | INVERT ELEV. |
|-----------|----------------------|---------|----------|----------|--------------|
| CO-1      | CLEANOUT TYPE 1      | 20+39   | 26' RT   | 651.70'  | 648.70'      |
| CS-1      | COLLECTION STRUCTURE | 15+63   | 30' RT   | 647.70'  | 644.70'      |
| CO-2      | CLEANOUT TYPE 1      | 13+15   | 49.2' RT | 650.25'  | 647.66'      |
| CO-3      | CLEANOUT TYPE 1      | 13+02   | 25.4 LT  | 650.22'  | 647.86'      |

**UNDERDRAIN PIPE SCHEDULE**

| LINE   | UPSTREAM STRUCTURE | DOWNSTREAM STRUCTURE | UPSTREAM INVERT | DOWNSTREAM INVERT | LENGTH (FT.) | SLOPE | PIPE              |
|--------|--------------------|----------------------|-----------------|-------------------|--------------|-------|-------------------|
| LINE-1 | CO-1               | CS-1                 | 648.70'         | 644.70'           | 400'         | 1.00% | 4" PERFORATED     |
| LINE-2 | CO-2               | CS-1                 | 647.66'         | 644.70'           | 251'         | 1.18% | 4" PERFORATED     |
| LINE-3 | CS-1               | IN-1                 | 644.70'         | 644.41'           | 58'          | 0.50% | 4" NON-PERFORATED |
| LINE-4 | CO-3               | IN-1                 | 647.86'         | 646.27'           | 244'         | 0.65% | 4" PERFORATED     |

**KEYMAP**



FILE: GRAEDRAIN01.dwg  
 UPDATE BY: Andrew Bodine  
 PLOT DATE: 3/6/2013 2:28 PM

Keymap  
 Base-Combined  
 1204201-C-UPDR  
 DNVBase\_StatePlane

**VE048**

REVISIONS

| NUMBER | BY | DATE |
|--------|----|------|
|        |    |      |
|        |    |      |
|        |    |      |

0 1 2  
 THIS BAR IS EQUAL TO 2" AT FULL SCALE (34X22).

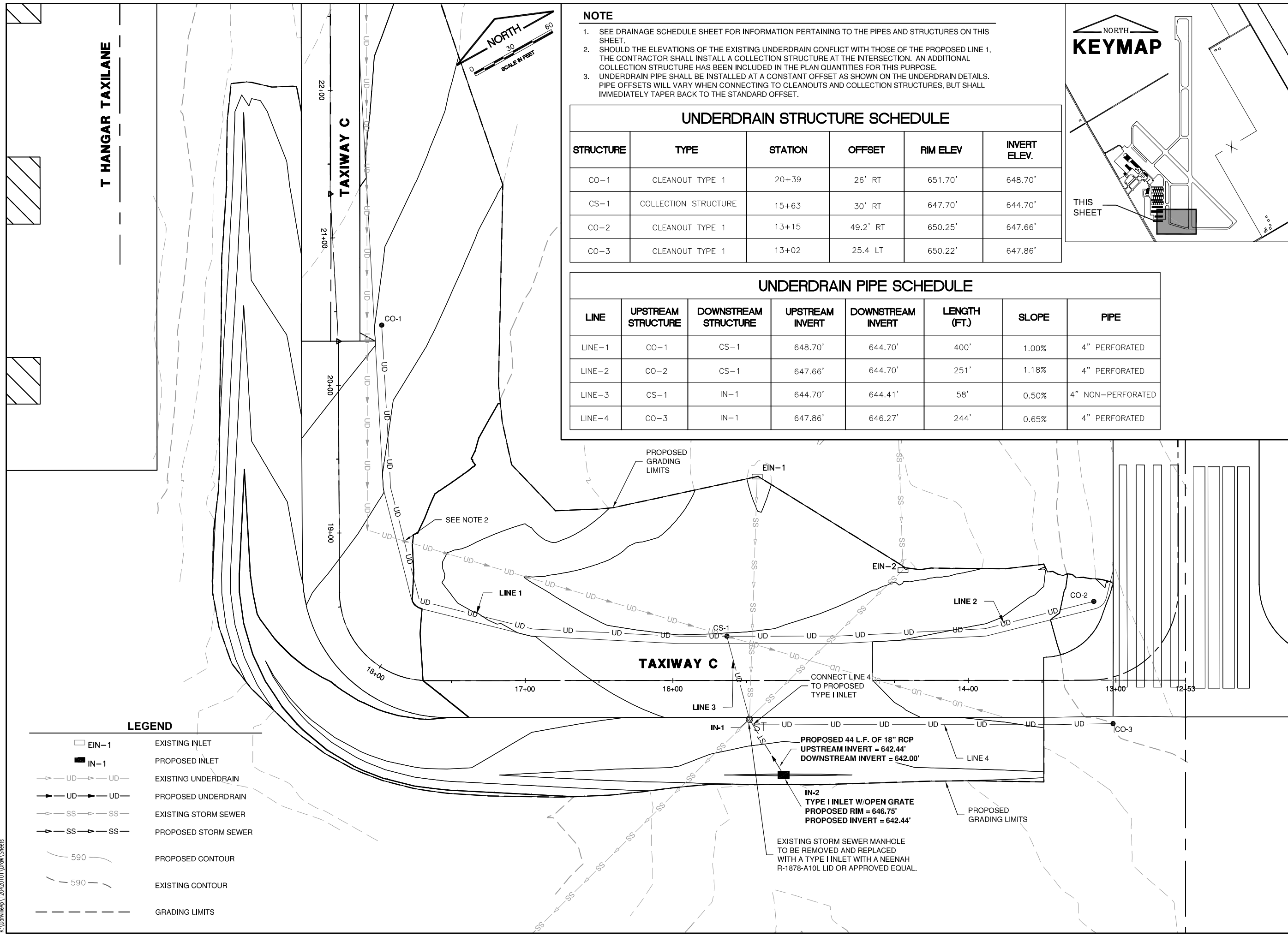
VERMILION REGIONAL AIRPORT  
 VERMILION REGIONAL AIRPORT AUTHORITY  
 DANVILLE, ILLINOIS

RELOCATE TAXIWAY C AND WIDEN FILLETS  
 GRADING & DRAINAGE PLAN

**LEGEND**

- EIN-1 EXISTING INLET
- IN-1 PROPOSED INLET
- UD — EXISTING UNDERDRAIN
- UD — PROPOSED UNDERDRAIN
- SS — EXISTING STORM SEWER
- SS — PROPOSED STORM SEWER
- 590 — PROPOSED CONTOUR
- 590 — EXISTING CONTOUR
- GRADING LIMITS

TAXIWAY C



PROPOSED 44 L.F. OF 18" RCP  
 UPSTREAM INVERT = 642.44'  
 DOWNSTREAM INVERT = 642.00'

IN-2  
 TYPE I INLET W/OPEN GRATE  
 PROPOSED RIM = 646.75'  
 PROPOSED INVERT = 642.44'

EXISTING STORM SEWER MANHOLE  
 TO BE REMOVED AND REPLACED  
 WITH A TYPE I INLET WITH A NEENAH  
 R-1878-A10L LID OR APPROVED EQUAL.

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 DRAWN BY: CMT  
 CHECKED BY: CET  
 APPROVED BY: CET  
 DATE: MARCH 1, 2013  
 JOB No: 120420100

IL PROJ. NO. DNV-4229  
 SBG PROJ. NO. 3-17-0032-B14  
 SHEET 13 OF 27 SHEETS