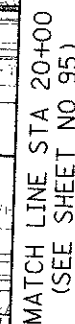
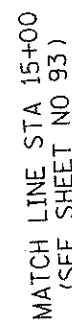


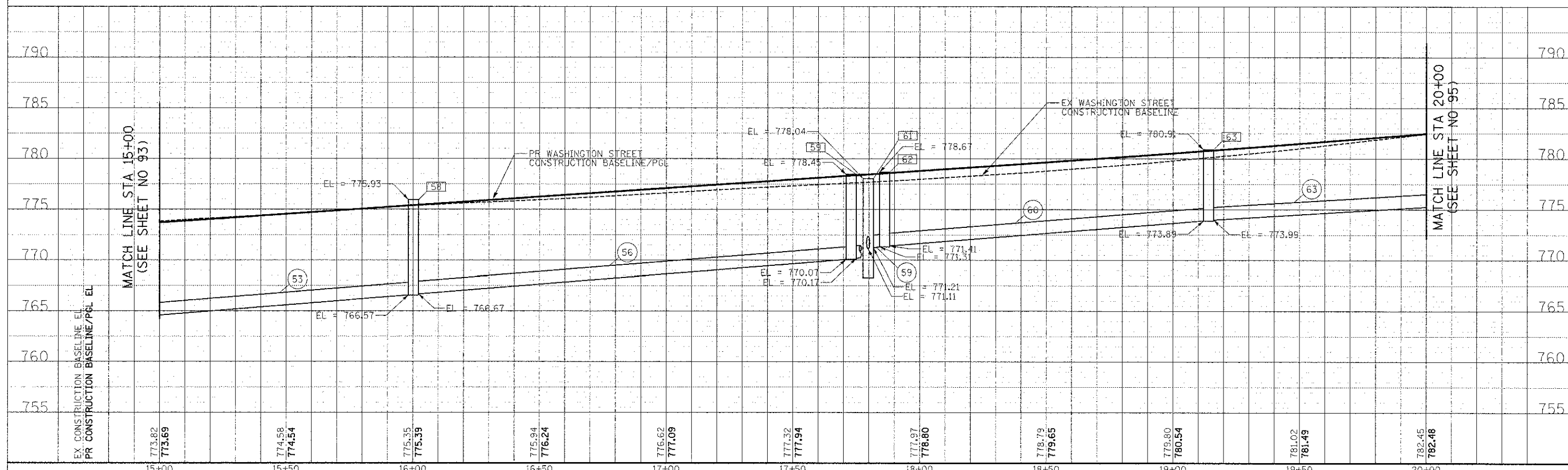
1. VERIFY WHETHER THE AIR RELIEF VALVE VAULT HAS AN ECCENTRIC OR CONCENTRIC CONE TO DETERMINE IF THE CONE CAN BE ROTATED TO AVOID THE CURB. THE CONE SECTION MAY BE REPLACED TO AN ECCENTRIC TYPE IF IT'S CURRENTLY A CONCENTRIC TYPE AS LONG AS THE ADJUSTMENTS DO NOT CONFLICT WITH THE ABILITY TO ACCESS THE AIR RELIEF VALVE FROM THE TOP OF THE STRUCTURE AS IT NEEDS TO BE ACCESSIBLE FOR MAINTENANCE. VALVE VAULT SHALL BE PROVIDED WITH ADJUSTING RINGS NO LESS THAN TWO INCH HIGH AND NO MORE THAN A TOTAL OF TEN INCHES HIGH.



|     |               |    |      |
|-----|---------------|----|------|
| NO. | SUMMER        | BY | DATE |
|     | PLOTTED       |    |      |
|     | TEMPLATE      |    |      |
|     | AHEAD         |    |      |
|     | AREAS CHECKED |    |      |



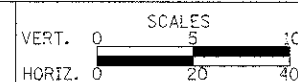
- |                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>[56] STA 16+00.0, 20.5' RT<br/>INLETS TA T11V F&amp;G<br/>RIM = 774.98<br/>INV = 771.94 (12" N)</p> <p>[57] STA 16+00.0, 20.5' LT<br/>CB TA 4 DIA T11V F&amp;G<br/>RIM = 774.98<br/>INV = 771.77 (12" S)<br/>INV = 768.69 (12" N)<br/>(WITH HALF TRAP)</p> <p>[58] STA 16+00.0, 30.0' LT<br/>MAN TA 4 DIA T1F CL<br/>RIM = 775.93<br/>INV = 768.57 (12" S)<br/>INV = 766.67 (15" E)<br/>INV = 766.57 (15" W)</p> | <p>[59] STA 17+73.0, 26.0' LT<br/>MAN TA 4 DIA T1F CL<br/>RIM = 778.45<br/>INV = 770.17 (15" SE)<br/>INV = 770.07 (15" W)</p> <p>[60] STA 17+79.7, 20.5' LT<br/>CB TA 4 DIA T11V F&amp;G<br/>RIM = 778.04<br/>INV = 770.37 (15" S)<br/>INV = 770.27 (15" NW)<br/>(WITH HALF TRAP)</p> <p>[61] STA 17+79.7, 20.5' RT<br/>CB TA 4 DIA T11V F&amp;G<br/>RIM = 778.04<br/>INV = 771.21 (15" SE)<br/>INV = 771.11 (15" N)</p> <p>[62] STA 17+86.1, 26.1' RT<br/>MAN TA 4 DIA T1F CL<br/>RIM = 778.67<br/>INV = 771.41 (15" E)<br/>INV = 771.31 (15" NW)</p> <p>[63] STA 19+14.0, 26.0' RT<br/>MAN TA 4 DIA T1F CL<br/>RIM = 780.31<br/>INV = 773.99 (15" E)<br/>INV = 775.16 (12" NE)<br/>INV = 773.89 (15" W)</p> | <p>[64] STA 19+20.0, 20.5' RT<br/>CB TA 4 DIA T11V F&amp;G<br/>RIM = 780.50<br/>INV = 775.84 (12" N)<br/>INV = 775.24 (12" SW)</p> <p>[65] STA 19+20.0, 20.5' LT<br/>CB TA 4 DIA T11V F&amp;G<br/>RIM = 780.50<br/>INV = 776.22 (12" S)</p> | <p>25' STORM SEWER R/W 12'<br/>TRENCH BACKFILL = 3 CU YD</p> <p>10' ACP FOREMAIN</p> <p>CATALPA DRIVE</p> <p>[54] 38' STORM SEW WM REQ 12" @ 0.44%<br/>TRENCH BACKFILL = 7 CU YD</p> <p>[55] 6' STORM SEW WM REQ 12" @ 2.00%<br/>TRENCH BACKFILL = 5 CU YD</p> <p>[56] 170' STORM SEW WM REQ 15" @ 2.00%<br/>TRENCH BACKFILL = 126 CU YD</p> <p>[57] 5' STORM SEW WM REQ 15" @ 2.00%<br/>TRENCH BACKFILL = 5 CU YD</p> <p>[58] 37' STORM SEW WM REQ 15" @ 2.00%<br/>TRENCH BACKFILL = 29 CU YD</p> <p>[59] 5' STORM SEW CL A 1, 15" @ 2.00%<br/>TRENCH BACKFILL = 4 CU YD</p> <p>[60] 124' STORM SEW CL A 1, 15" @ 2.00%<br/>TRENCH BACKFILL = 93 CU YD</p> <p>[61] 4' STORM SEW CL A 1, 12" @ 2.00%<br/>TRENCH BACKFILL = 2 CU YD</p> <p>[62] 38' STORM SEW WM REQ 12" @ 1.00%<br/>TRENCH BACKFILL = 7 CU YD</p> <p>[63] 159' STORM SEW WM REQ 15" @ 1.50%<br/>TRENCH BACKFILL = 121 CU YD</p> |
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|                   |                     |
|-------------------|---------------------|
| DESIGNED - PK     | REVISED - 4/10/2013 |
| DRAWN - JRR       | REVISED -           |
| CHECKED - RTM     | REVISED -           |
| DATE - 12/17/2012 | REVISED -           |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



## DRAINAGE AND UTILITIES

|                          |            |               |
|--------------------------|------------|---------------|
| SHEET NO. 4 OF 15 SHEETS | STA. 15+00 | TO STA. 20+00 |
|--------------------------|------------|---------------|

|                                                 |                |        |                 |              |
|-------------------------------------------------|----------------|--------|-----------------|--------------|
| F.A.I.<br>RTE.                                  | SECTION        | COUNTY | TOTAL<br>SHEETS | SHEET<br>NO. |
| 0187                                            | 05-00121-07-WR | LAKE   | 223             | 94           |
| CONTRACT NO. 63765                              |                |        |                 |              |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT |                |        |                 |              |