| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| 337 | 19R-1 | LAKE | 800 | 275 |
| STA. | | TO STA. | | |
| FED. ROAD DIST. NO. | | ILLINOIS | FED. AID PROJECT | |

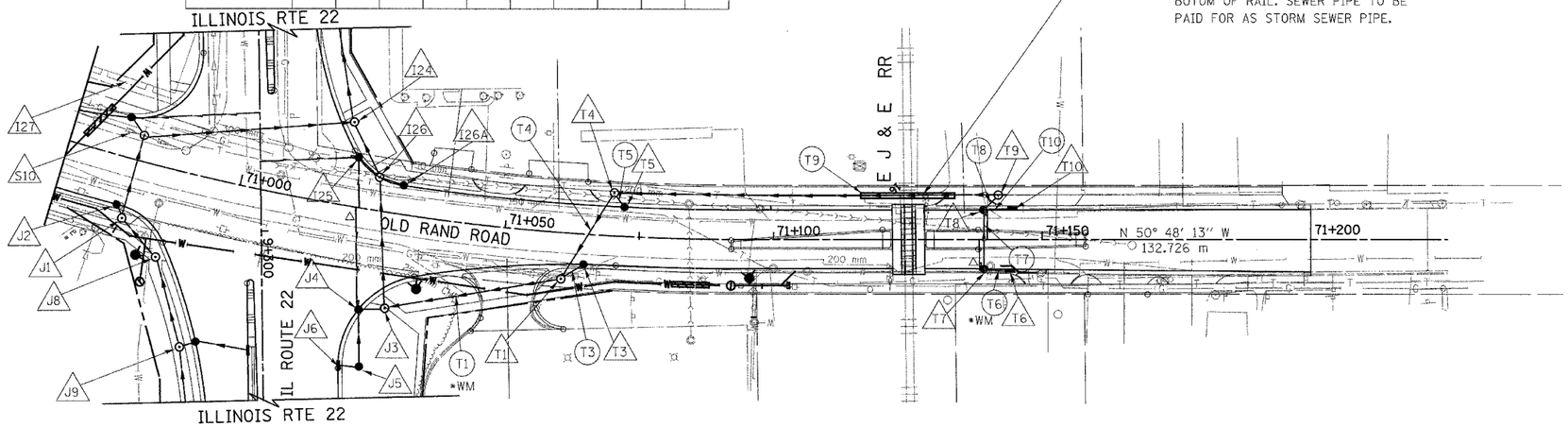
60997

| | *WM | | *WM | | | *WM | | | | *WM |
|---|---|---|---|---|---|---|---|---|---|---|
| PIPE NO. | T1 | | T3 | T4 | T5 | T7 | T8 | T9 | T10 | T6 |
| SIZE (mm) | 375 | | 300 | 375 | 300 | 300 | 300 | 375 | 300 | 300 |
| LENGTH (m) | 31.8 | | 3.8 | 17.6 | 2.1 | 9.6 | 1.6 | 70.8 | 4.1 | 4.1 |
| TYPE | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| T.B.F. (CU. M.) | | | 0.30 | 1.40 | 0.20 | 0.40 | 0.20 | | 0.30 | 0.30 |

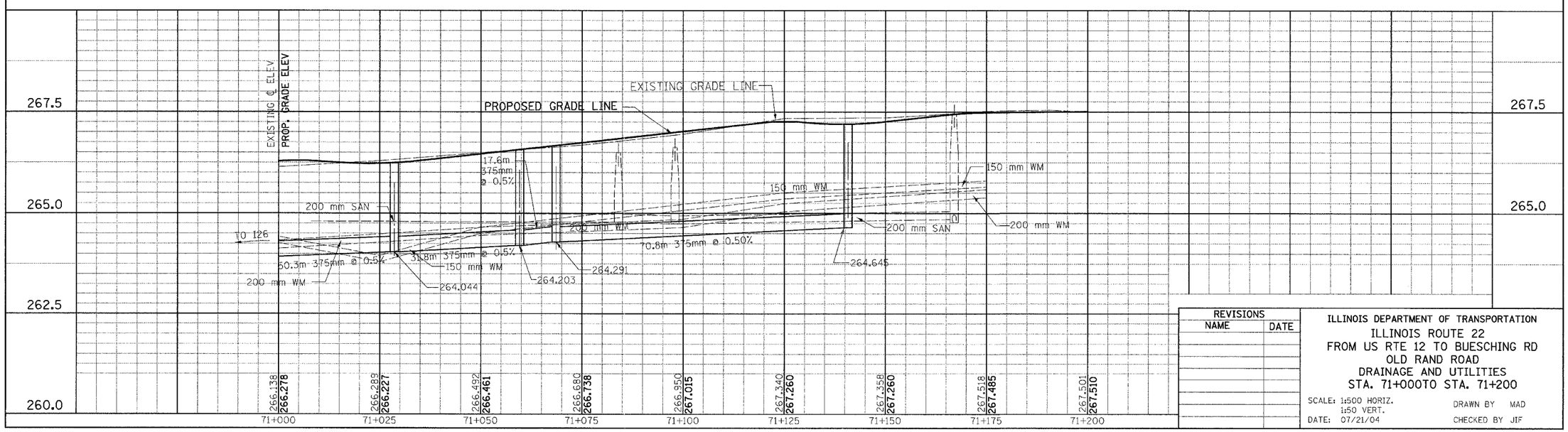
* WATER MAIN REQUIREMENTS

△ PIPE UNDERDRAIN 100 MM

** STORM SEWER PIPE (IN 900 MM, 20 M-LONG JACKED CASING UNDER RAIL ROAD ACCORDING TO SECTION 4.13 OF AREMA MANUAL) PROVIDE 1.7 M MINIMUM COVER FROM TOP OF CASING TO BOTOM OF RAIL. SEWER PIPE TO BE PAID FOR AS STORM SEWER PIPE.




| STR. NO. | T1 | | T3 | T4 | T5 | T6 | T7 | T8 | T9 | T10 |
|---|---|---|---|---|---|---|---|---|---|---|
| STA. | 71+061.0 | | 71+065.0 | 71+070.0 | 71+072.0 | 71+144.0 | 71+139.1 | 71+139.1 | 71+142.0 | 71+144.0 |
| OFF. (m) | 8.50 RT | | 5.56 RT | 8.00 LT | 5.40 LT | 5.4 RT | 5.40 LT | 5.40 RT | 8.3 LT | 5.40 LT |
| TYPE | MH-A | | CB-A | MH-A | CB-A | INL-A | CB-A | CB-A | MH-A | CB-A |
| DIA. (m) | 1.2 | | 1.2 | 1.2 | 1.2 | 0.6 | 1.2 | 1.2 | 1.2 | 1.2 |
| F&G | T-1-CL | | T-24 | T-1-CL | T-24 | T-24 | T-24 | T-24 | T-1-CL | T-24 |
| RIM EL. | 266.650 | | 266.358 | 266.600 | 266.596 | 267.114 | 267.101 | 267.101 | 267.350 | 267.114 |
| INV. N | 265.400 | | | 265.600 | | | | 265.954 | | |
| INV. S | | | | | 265.650 | | 266.050 | 265.954 | 265.936 | |
| INV. E | 264.203 | | 265.450 | 264.291 | | 266.100 | | | 264.645 | 266.100 |
| INV. W | 264.203 | | | 264.291 | | | 266.050 | 265.954 | | |




| REVISIONS | |
|---|---|
| NAME | DATE |

ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 22
FROM US RTE 12 TO BUESCHING RD
OLD RAND ROAD
DRAINAGE AND UTILITIES
STA. 71+000TO STA. 71+200

SCALE: 1:500 HORIZ.
1:50 VERT.
DATE: 07/21/04

DRAWN BY MAD
CHECKED BY JIF

FINAL SURVEY — SURVEYED / PLOTTED / NOTE BOOK / TEMPLATE / AREAS / AREAS CHECKED — BY — DATE — NO.

ORIGINAL SURVEY — SURVEYED / PLOTTED / NOTE BOOK / TEMPLATE / AREAS / AREAS CHECKED — BY — DATE — NO.