

CONTRACT NO. 62030

| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
|---------------------|----------|---------------------------|--------------|-----------|
| 337                 | 20 WRS-6 | LAKE                      | 318          | 101       |
| STA. 10+750         |          | TO STA. 11+100            |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |

FINAL SURVEY PLOTTED  
NOTE BOOK TEMPLATE AREAS CHECKED

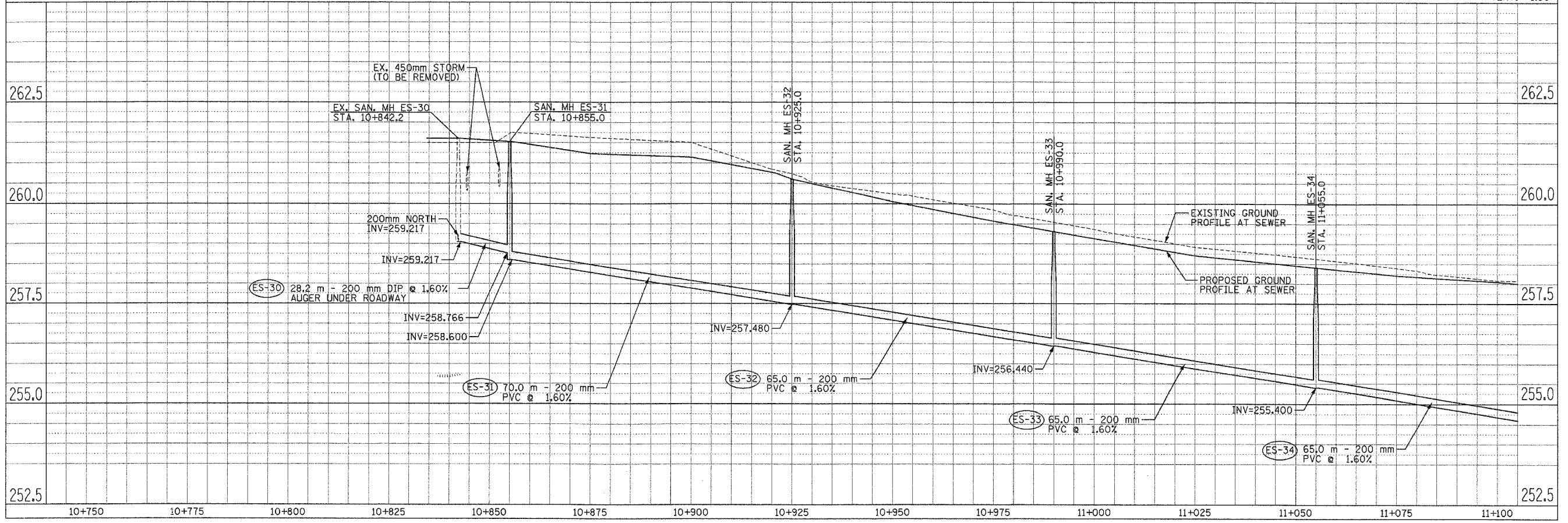
BY: \_\_\_\_\_ DATE: \_\_\_\_\_

**GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.**  
ENGINEERS & SCIENTISTS  
8501 W. Higgins Road, Suite 280  
Chicago, Illinois 60631  
(773) 399-0112

SCALE:  
HORIZ. 1:500  
VERT. 1:50

ORIGINAL SURVEY PLOTTED  
NOTE BOOK TEMPLATE AREAS CHECKED

BY: \_\_\_\_\_ DATE: \_\_\_\_\_



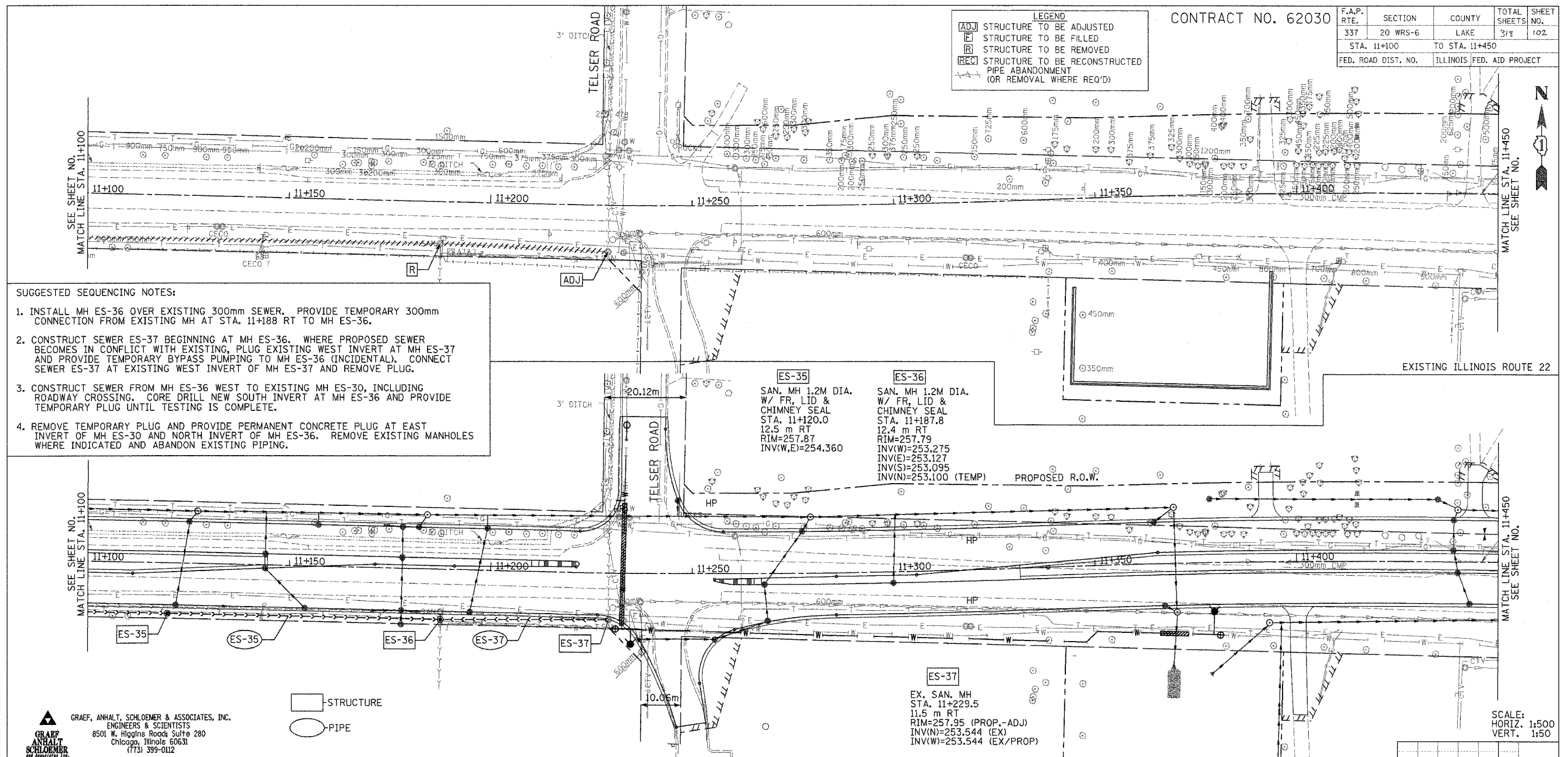
SANITARY SEWER RELOCATION PROFILE IL. RTE. 22 STA. 10+750 TO STA. 11+100

CONTRACT NO. 62030

| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
|---------------------|----------|---------------------------|--------------|-----------|
| 337                 | 20 WRS-6 | LAKE                      | 318          | 102       |
| STA. 11+100         |          | TO STA. 11+450            |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |

**LEGEND**

|     |   |
|-----|---|
| ADJ | STRUCTURE TO BE ADJUSTED                  |
| F   | STRUCTURE TO BE FILLED                    |
| R   | STRUCTURE TO BE REMOVED                   |
| REC | STRUCTURE TO BE RECONSTRUCTED             |
| —   | PIPE ABANDONMENT (OR REMOVAL WHERE REQ'D) |



- SUGGESTED SEQUENCING NOTES:**
1. INSTALL MH ES-36 OVER EXISTING 300mm SEWER. PROVIDE TEMPORARY 300mm CONNECTION FROM EXISTING MH AT STA. 11+188 RT TO MH ES-36.
  2. CONSTRUCT SEWER ES-37 BEGINNING AT MH ES-36. WHERE PROPOSED SEWER BECOMES IN CONFLICT WITH EXISTING, PLUG EXISTING WEST INVERT AT MH ES-37 AND PROVIDE TEMPORARY BYPASS PUMPING TO MH ES-36 (INCIDENTAL). CONNECT SEWER ES-37 AT EXISTING WEST INVERT OF MH ES-37 AND REMOVE PLUG.
  3. CONSTRUCT SEWER FROM MH ES-36 WEST TO EXISTING MH ES-30, INCLUDING ROADWAY CROSSING. CORE DRILL NEW SOUTH INVERT AT MH ES-36 AND PROVIDE TEMPORARY PLUG UNTIL TESTING IS COMPLETE.
  4. REMOVE TEMPORARY PLUG AND PROVIDE PERMANENT CONCRETE PLUG AT EAST INVERT OF MH ES-30 AND NORTH INVERT OF MH ES-36. REMOVE EXISTING MANHOLES WHERE INDICATED AND ABANDON EXISTING PIPING.

**ES-35**  
 SAN. MH 1.2M DIA.  
 W/ FR, LID & CHIMNEY SEAL  
 STA. 11+120.0  
 12.5 m RT  
 RIM=257.87  
 INV(W,E)=254.360

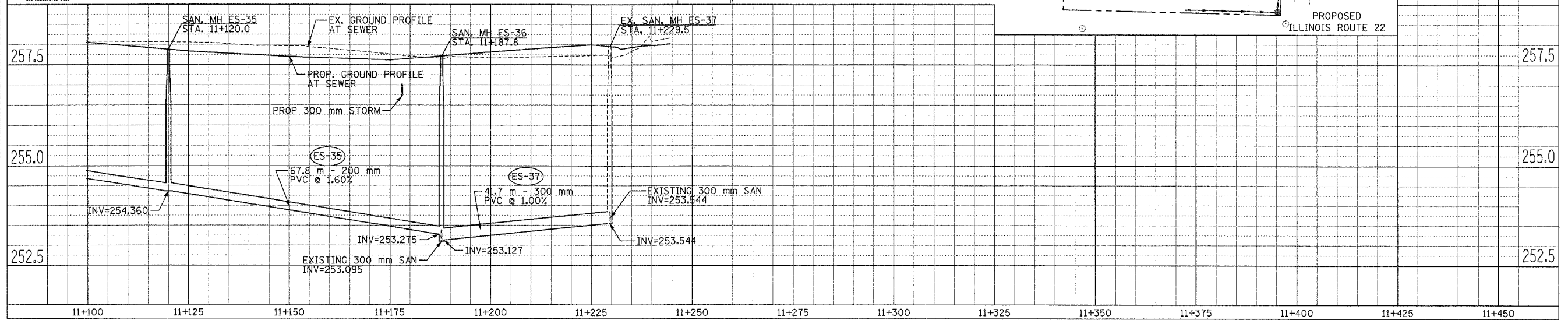
**ES-36**  
 SAN. MH 1.2M DIA.  
 W/ FR, LID & CHIMNEY SEAL  
 STA. 11+187.8  
 12.4 m RT  
 RIM=257.79  
 INV(W)=253.275  
 INV(E)=253.127  
 INV(S)=253.095  
 INV(N)=253.100 (TEMP)

**ES-37**  
 EX. SAN. MH  
 STA. 11+229.5  
 11.5 m RT  
 RIM=257.95 (PROP.-ADJ)  
 INV(N)=253.544 (EX)  
 INV(W)=253.544 (EX/PROP)

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□ STRUCTURE  
 ○ PIPE

SCALE:  
 HORIZ. 1:500  
 VERT. 1:50



FINAL SURVEY PLOTTED  
 NOTE BOOK TEMPLATE AREAS CHECKED

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 NOTE BOOK TEMPLATE AREAS CHECKED

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**SANITARY SEWER RELOCATION IL. RTE. 22 STA. 11+100 TO STA. 11+450**

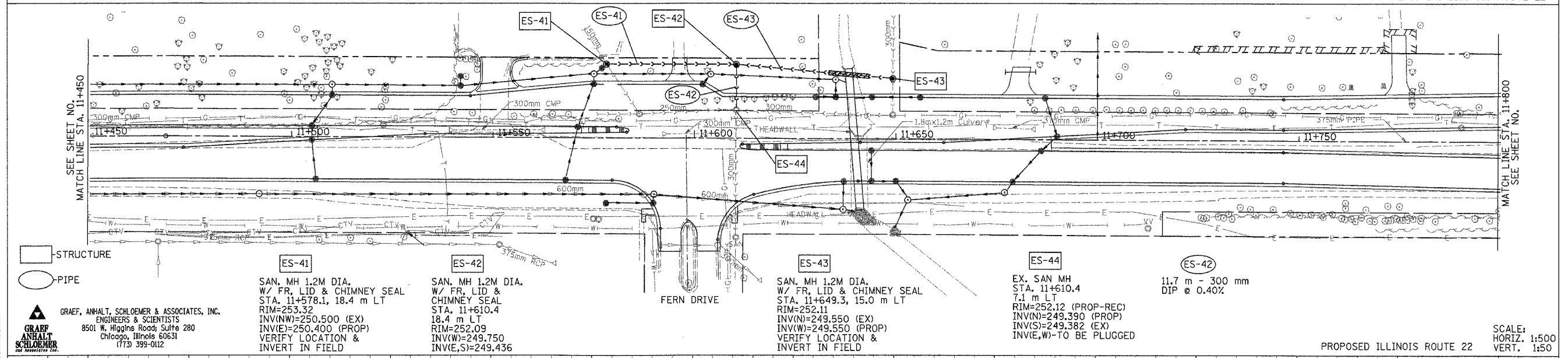
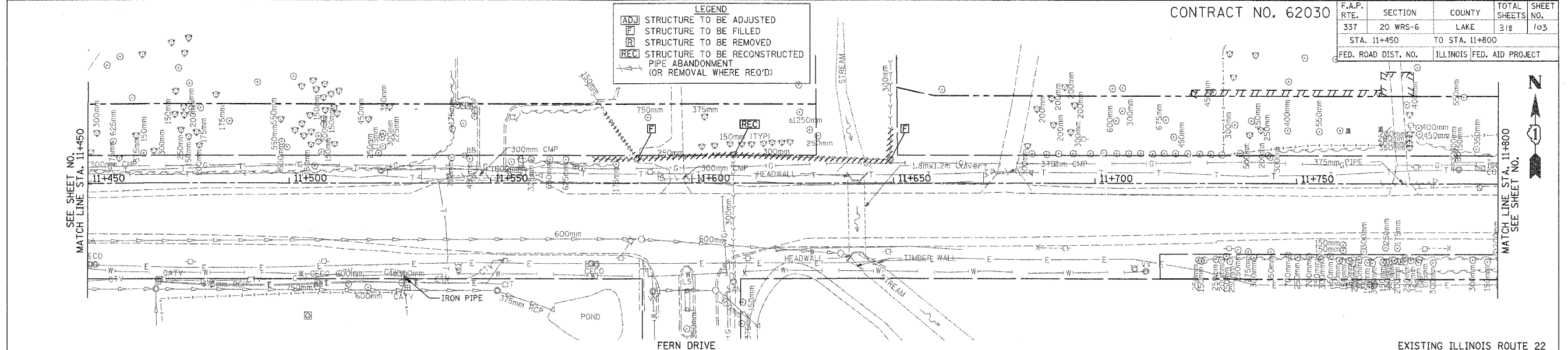
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CONTRACT NO. 62030

| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
|---------------------|----------|---------------------------|--------------|-----------|
| 337                 | 20 WRS-6 | LAKE                      | 318          | 103       |
| STA. 11+450         |          | TO STA. 11+800            |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |

**LEGEND**

- ADJ STRUCTURE TO BE ADJUSTED
- F STRUCTURE TO BE FILLED
- R STRUCTURE TO BE REMOVED
- REC STRUCTURE TO BE RECONSTRUCTED
- PIPE ABANDONMENT (OR REMOVAL WHERE REQ'D)



□ STRUCTURE  
○ PIPE

**ES-41**  
SAN. MH 1.2M DIA.  
W/ FR, LID & CHIMNEY SEAL  
STA. 11+578.1, 18.4 m LT  
RIM=253.32  
INV(NW)=250.500 (EX)  
INV(E)=250.400 (PROP)  
VERIFY LOCATION &  
INVERT IN FIELD

**ES-42**  
SAN. MH 1.2M DIA.  
W/ FR, LID & CHIMNEY SEAL  
STA. 11+610.4  
18.4 m LT  
RIM=252.09  
INV(W)=249.750  
INV(E,S)=249.436

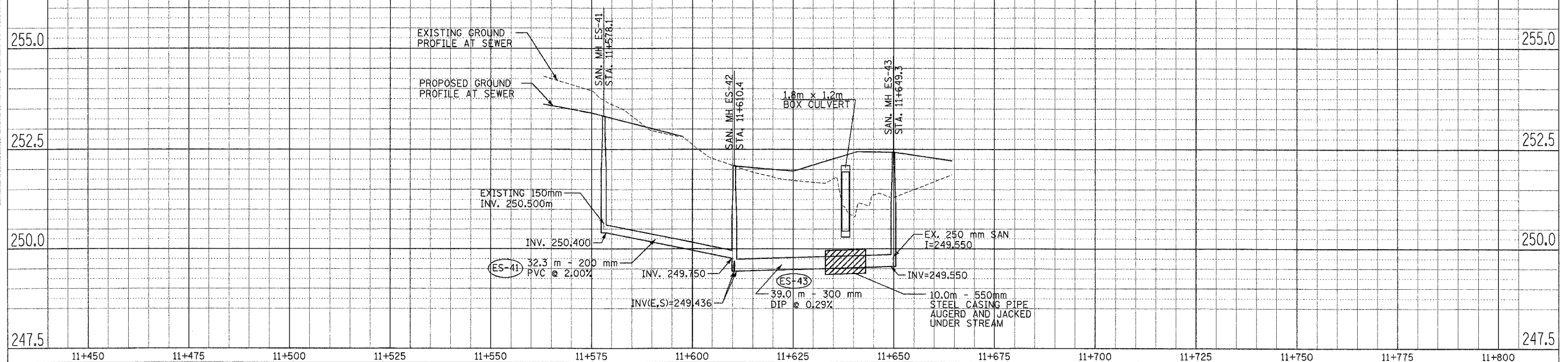
**ES-43**  
SAN. MH 1.2M DIA.  
W/ FR, LID & CHIMNEY SEAL  
STA. 11+649.3, 15.0 m LT  
RIM=252.11  
INV(N)=249.550 (EX)  
INV(W)=249.550 (PROP)  
VERIFY LOCATION &  
INVERT IN FIELD

**ES-44**  
EX. SAN MH  
STA. 11+610.4  
7.1 m LT  
RIM=252.12 (PROP-REC)  
INV(N)=249.390 (PROP)  
INV(S)=249.382 (EX)  
INV(E,W)-TO BE PLUGGED

**ES-42**  
11.7 m - 300 mm  
DIP @ 0.40%

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ENGINEERS & SCIENTISTS  
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PROPOSED ILLINOIS ROUTE 22  
SCALE:  
HORIZ. 1:500  
VERT. 1:50



SANITARY SEWER RELOCATION IL. RTE. 22 STA. 11+450 TO STA. 11+800

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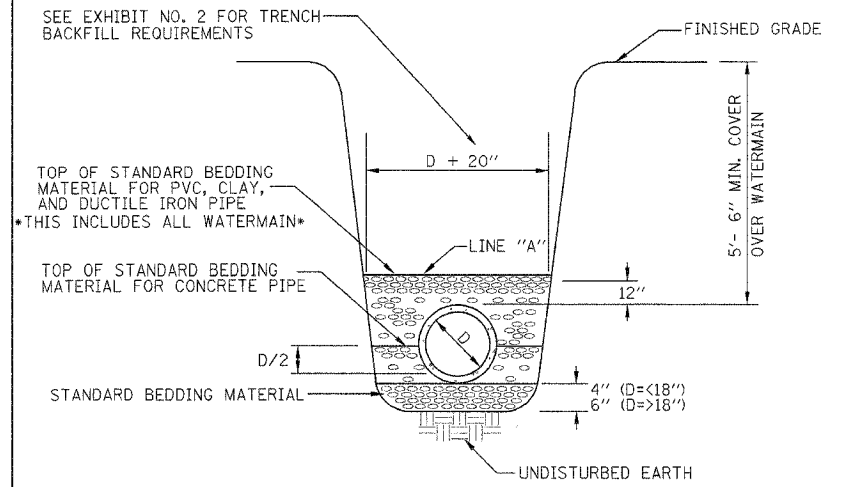
CONVEYED TO THE  
FINAL SURVEY  
NOTE BOOK TEMPLATE  
NO. AREAS CHECKED

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ORIGINAL SURVEYED  
ON TO  
NOTE BOOK TEMPLATE  
NO. AREAS CHECKED

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|---------------------|---------|---------------------------|--------------|-----------|
| F.A. RTE.           | SECTION | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WR-6 | LAKE                      | 318          | 104       |
| STA. TO STA.        |         | ILLINOIS FED. AID PROJECT |              |           |
| FED. ROAD DIST. NO. |         |                           |              |           |

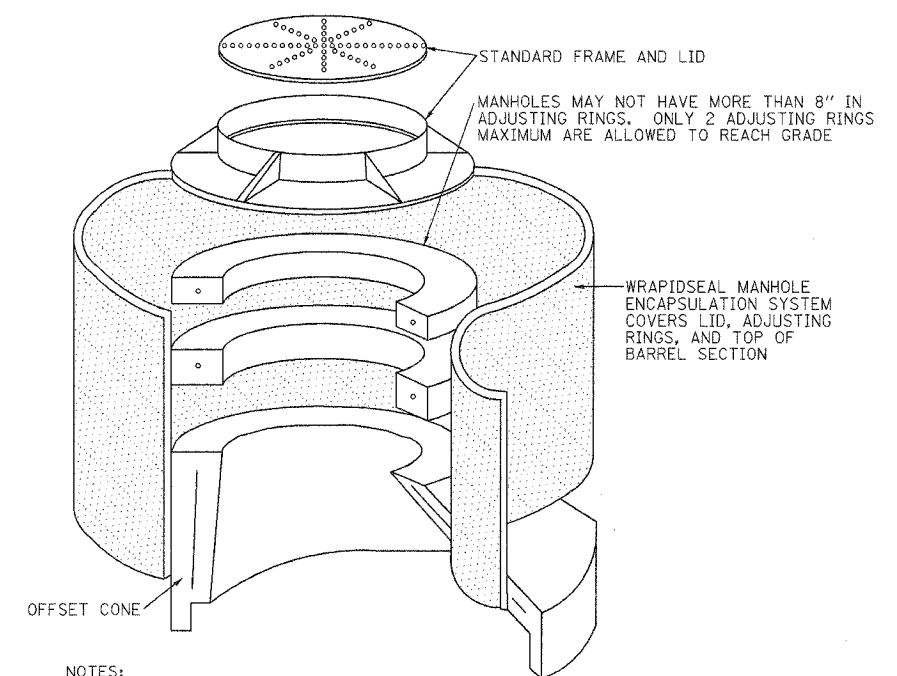
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| FINAL SURVEY PLOTTED             |    |     |
| NOTE BOOK TEMPLATE AREAS CHECKED |    |     |



- NOTES:
1. STANDARD BEDDING MATERIAL FOR NON-PLASTIC PIPE INCLUDING ALL WATERMAIN SHALL BE WELL COMPACTED, WASHED, 1/4" TO 3/4" CRUSHED STONE, ASTM 448, SIZE CA-7.
  2. STANDARD BEDDING MATERIAL FOR PLASTIC PIPE SHALL CONFORM TO ASTM D2321, CLASS II NON-ANGULAR AGGREGATE EXCEPT THE MAXIMUM SIZE SHALL BE 1/2".
  3. SELECT, WELL COMPACTED EXCAVATED MATERIAL SHALL BE PLACED TO LINE "A" IF STANDARD BEDDING MATERIAL IS NOT REQUIRED TO LINE "A".
  4. VOIDS LEFT BY SHEETING SHALL BE FILLED WITH STANDARD BEDDING MATERIAL AS THE SHEETING IS REMOVED.

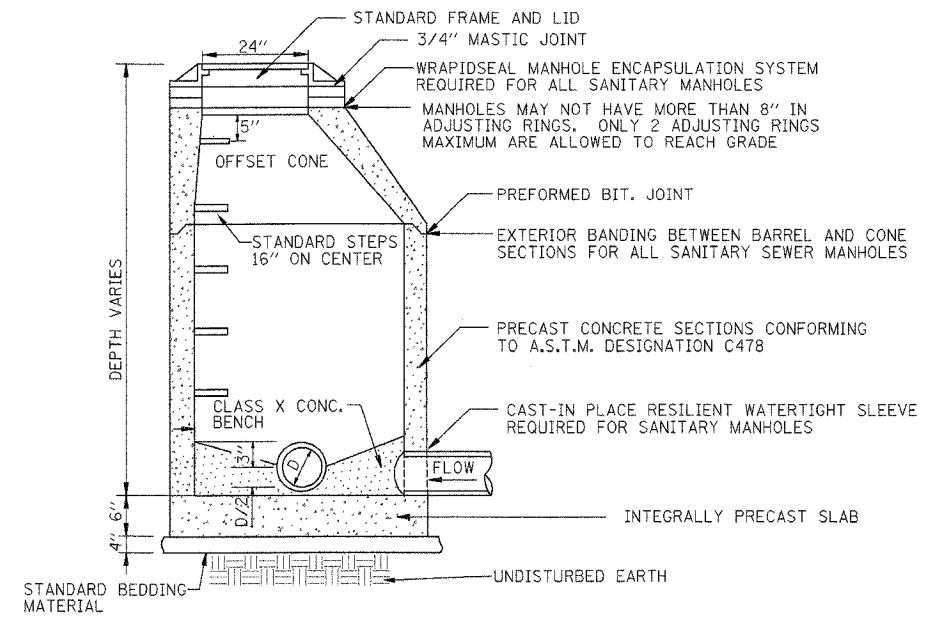
TYPICAL TRENCH AND STANDARD BEDDING

|                                  |    |     |
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| ORIGINAL SURVEY PLOTTED          |    |     |
| NOTE BOOK TEMPLATE AREAS CHECKED |    |     |



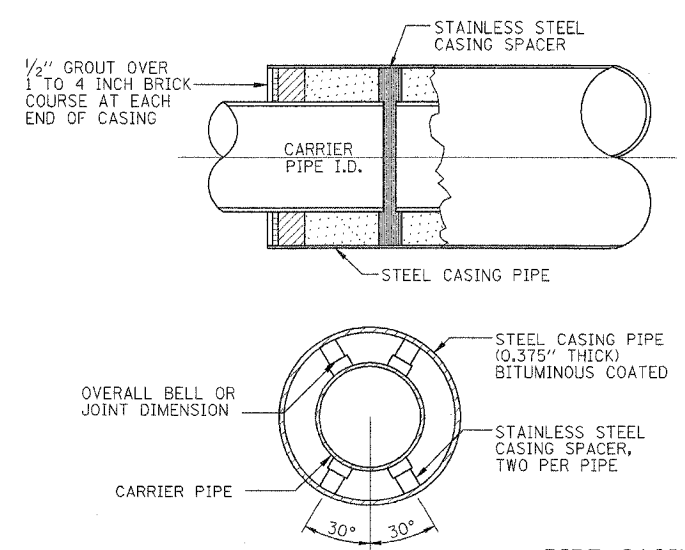
- NOTES:
1. WRAPIDSEAL SHALL BE INSTALLED ON ALL SANITARY SEWER MANHOLES.
  2. WRAPIDSEAL MANHOLE ENCAPSULATION SYSTEMS ARE REQUIRED, ANY OTHER PRODUCTS OR OTHER DESIGN SOLUTIONS SHALL REQUIRE THE APPROVAL OF THE VILLAGE ENGINEER OR DIRECTOR OF PUBLIC WORKS.
  3. WRAPIDSEAL SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES AND INSTRUCTIONS.

WRAPIDSEAL MANHOLE ENCAPSULATION SYSTEM



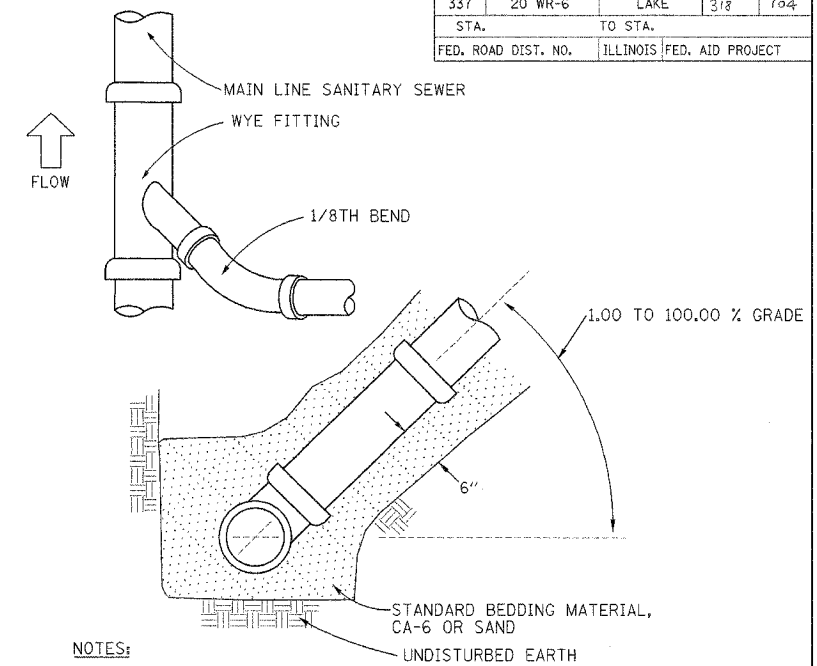
- NOTES:
1. FOR SEWERS 24 INCHES OR LESS IN DIAMETER, USE 48 INCH MANHOLES; FOR SEWERS MORE THAN 24" INCHES IN DIAMETER, USE 60" INCH MANHOLES.
  2. FOR VITRIFIED CLAY PIPE SEWERS, LOCATE A BELL OR SPIGOT AS APPROPRIATE JUST OUTSIDE THE MANHOLE WALL TO PROVIDE A PIVOT POINT FOR ANY DIFFERENT MOVEMENT.
  3. WRAPIDSEAL MANHOLE ENCAPSULATION SYSTEM REQUIRED FOR ALL SANITARY SEWER MANHOLES. (SEE EXHIBIT NO. 4)
  4. WATER TIGHT SEALANT REQUIRED FOR ALL SANITARY SEWER MANHOLES.

SANITARY MANHOLE



PIPE CASING DETAIL

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.  
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Chicago, Illinois 60631  
(773) 399-0112



- NOTES:
1. THIS EXHIBIT IS APPLICABLE TO FOUR (4) OR (6) INCH SANITARY SERVICE CONNECTIONS ONLY. LARGER DIAMETER SANITARY SEWER CONNECTIONS SHALL BE MADE AT MANHOLES ONLY.
  2. THE BEDDING UNDER THE WYE FITTING AND STUB SHALL BE CAREFULLY COMPACTED TO PREVENT THE WYE FITTING FROM ROTATING.
  3. THE SANITARY SERVICE CONNECTION PIPE SHALL BE LAID IN A STRAIGHT LINE AND AT A UNIFORM GRADIENT FROM THE TOP OF THE RISE FROM THE MAIN LINE TO THREE (3) FEET BEYOND THE RIGHT-OF-WAY LINE.
  4. SECURELY PLUG THE END OF THE SERVICE CONNECTION.

SANITARY SERVICE CONNECTION

- NOTES:
1. THE WATER MAIN SHALL BE 'CENTER SPACED' AND RESTRAINED ON TOP AND BOTTOM UTILIZING TWO CASING SPACERS EQUALLY SPACED PER LENGTH OF PIPE.
  2. THE SANITARY SEWER MAIN SHALL BE CLASS 52 DUCTILE IRON PIPE, 'CENTER SPACED' AND RESTRAINED ON TOP AND BOTTOM UTILIZING TWO CASING SPACERS EQUALLY SPACED PER LENGTH OF PIPE.
  3. CASING SPACERS ARE TO BE POWERSEAL MODEL 48-10 STAINLESS STEEL OR APPROVED EQUAL.
  4. CASING IS TO BE SEALED AT BOTH ENDS WITH A MASONRY CAP AND MADE WATER-TIGHT.
  5. WATER MAIN JOINTS WITHIN THE CASING SHALL BE RESTRAINED UTILIZING U.S. PIPE FIELD LOCK GASKETS OR APPROVED EQUAL.

1" = 25mm, 1 Foot = 300mm

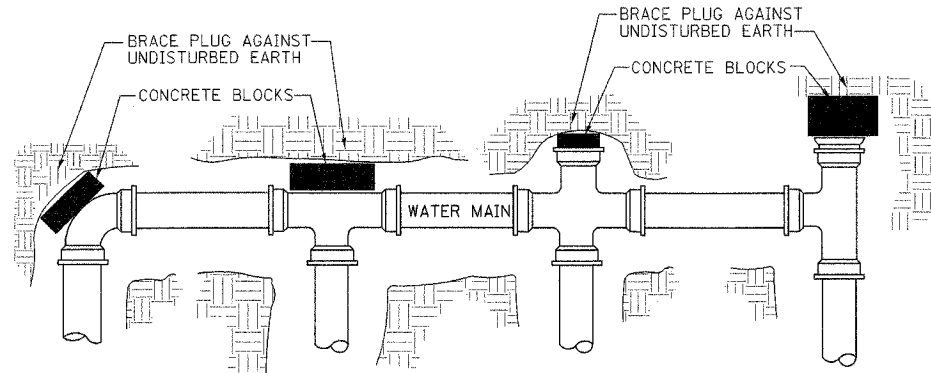
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
E. OF BUESCHING RD TO QUENTIN RD  
DETAILS  
SANITARY SEWER AND WATER MAIN  
RELOCATION  
DRAWN BY: JJJ  
CHECKED BY: WS  
DATE: 03-11-05

CONTRACT NO. 62030

|                     |         |                           |              |           |
|---------------------|---------|---------------------------|--------------|-----------|
| F.A. RTE.           | SECTION | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WR-6 | LAKE                      | 3/8          | 105       |
| STA.                |         | TO STA.                   |              |           |
| FED. ROAD DIST. NO. |         | ILLINOIS FED. AID PROJECT |              |           |

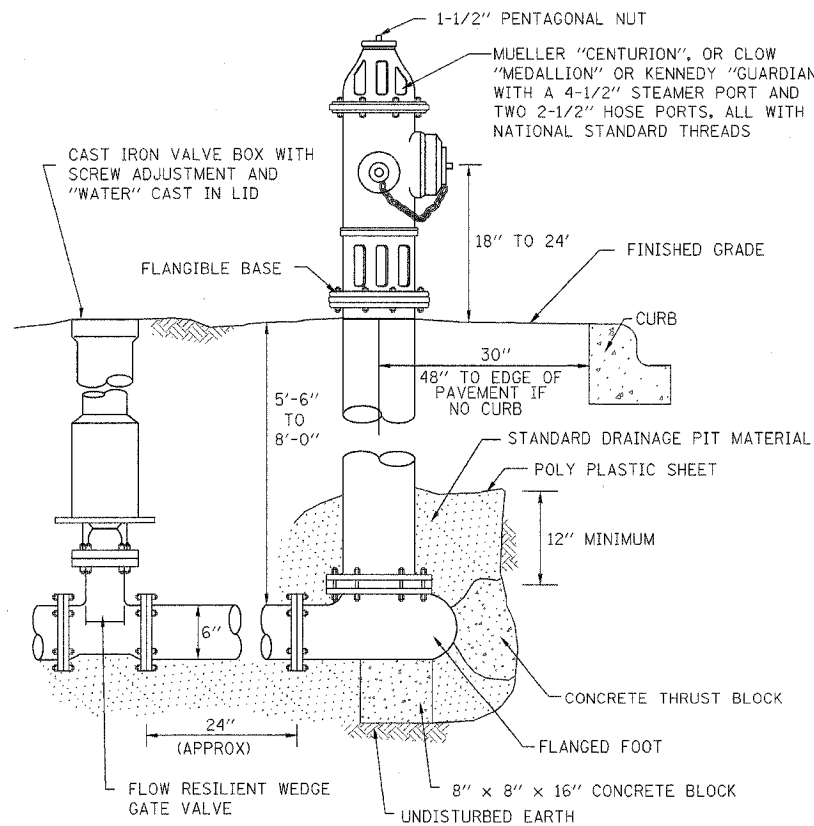
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| AREAS CHECKED |      |
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- NOTES:**
1. PROVIDE THRUST BLOCKING TO PREVENT MOVEMENT OF LINES UNDER PRESSURE AT ALL BENDS, TEES, CAPS, VALVES, HYDRANTS, AND AT POINTS SPECIFIED BY THE ENGINEER.
  2. ALL BLOCKING SHALL BE MADE WITH CONCRETE BLOCKS AGAINST UNDISTURBED VERTICAL EARTH SURFACE.
  3. ALTERNATE METHODS OF RESTRAINING WATER MAIN COMPONENTS SHALL REQUIRE THE APPROVAL OF THE VILLAGE ENGINEER.
  4. NO WOOD IS ALLOWED IN THE THRUST BLOCKS.
  5. MEGALUGS SERIES 1100 OR APPROVED EQUAL ARE REQUIRED AT ALL JOINTS.

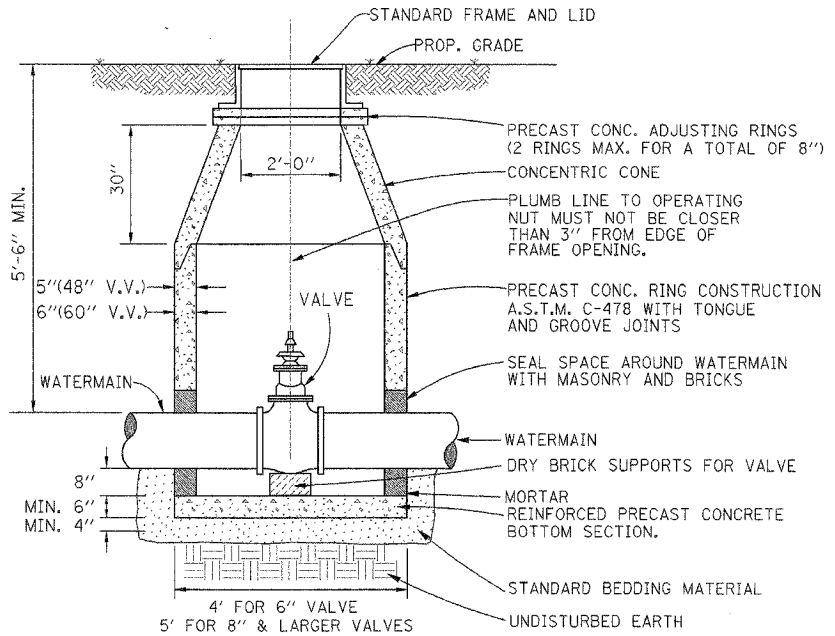
**THRUST BLOCK**

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| BY              | DATE |
| ORIGINAL SURVEY |      |
| PLOTTED         |      |
| NOTE BOOK       |      |
| TEMPLATE        |      |
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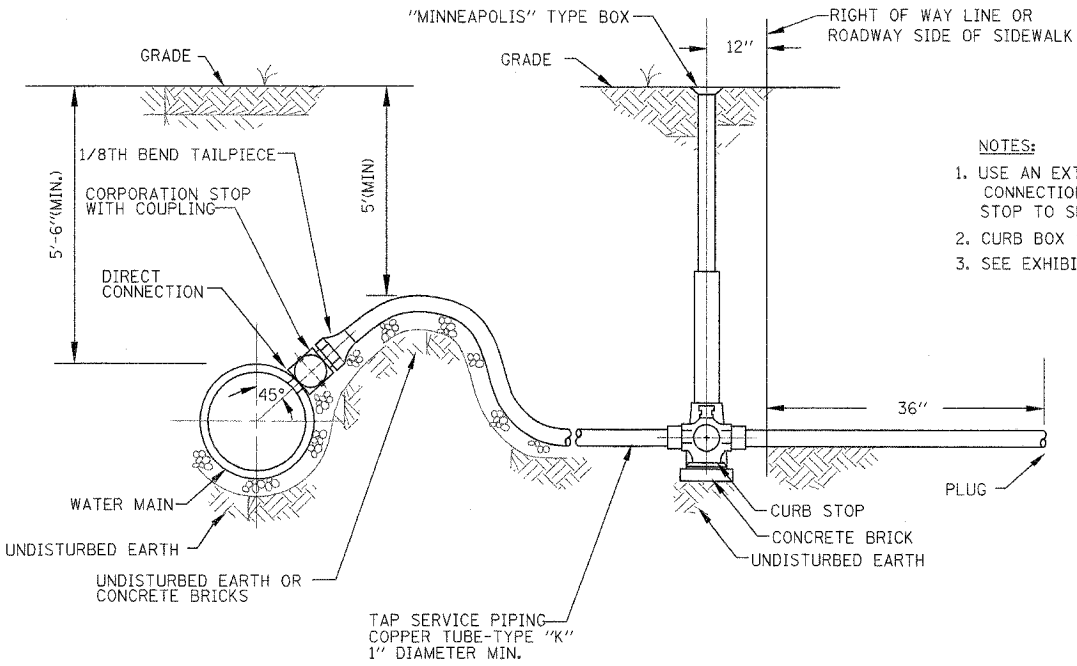
**FIRE HYDRANT**

- NOTES:**
1. STEAMER PORT TO FACE PAVEMENT
  2. PROVIDE 2 FOOT DIAMETER BY 2 FEET DEEP DRAINAGE PIT FILLED WITH 1 INCH WASHED STONE BELOW AND ADJACENT TO HYDRANT
  3. HYDRANT TO BE PAINTED ALKYD ENAMEL SAFETY RED



**VALVE VAULT**

- NOTES:**
1. WATER MAIN 8 INCHES OR MORE IN DIAMETER SHALL REQUIRE A 60 INCH DIAMETER VALVE VAULT; WATER MAIN LESS THAN 8 INCHES IN DIAMETER SHALL REQUIRE A 48 INCH VALVE VAULT
  2. INSTALL MINIMUM 4" OF SELECTED GRANULAR BACKFILL UNDER STRUCTURE BOTTOM SECTION AND FILL ENTIRE EXCAVATION ALL AROUND STRUCTURE UP TO C.L. OF PIPE WITH BEDDING MATERIAL.
  3. PIPE OPENINGS SHALL BE CAST INTO WALL.
  4. STRUCTURE FRAME, ADJUSTING RINGS, AND ALL CONCRETE SECTIONS SHALL BE SET ON AND SEALED WITH BITUMINOUS MASTIC JOINT MATERIAL.
  5. FILL LUG HOLES WITH BITUMINOUS JOINING COMPOUND.
  6. VALVE VAULT BARREL SECTIONS SHALL CONFORM TO A.S.T.M. 478 AS DESCRIBED IN THE STANDARD SPECIFICATIONS FOR SEWER AND WATER MAIN CONSTRUCTION IN ILLINOIS, 5TH EDITION MAY 1996.



**WATER SERVICE CONNECTION**

- NOTES:**
1. USE AN EXTRA TWO FEET OF COPPER WATER SERVICE CONNECTION BETWEEN THE CORPORATION STOP AND THE CURB STOP TO SERVE AS STRAIN RELIEF.
  2. CURB BOX SHALL HAVE A PLUG TYPE LID.
  3. SEE EXHIBIT NO. 13 FOR APPROVED FITTING DESCRIPTIONS.

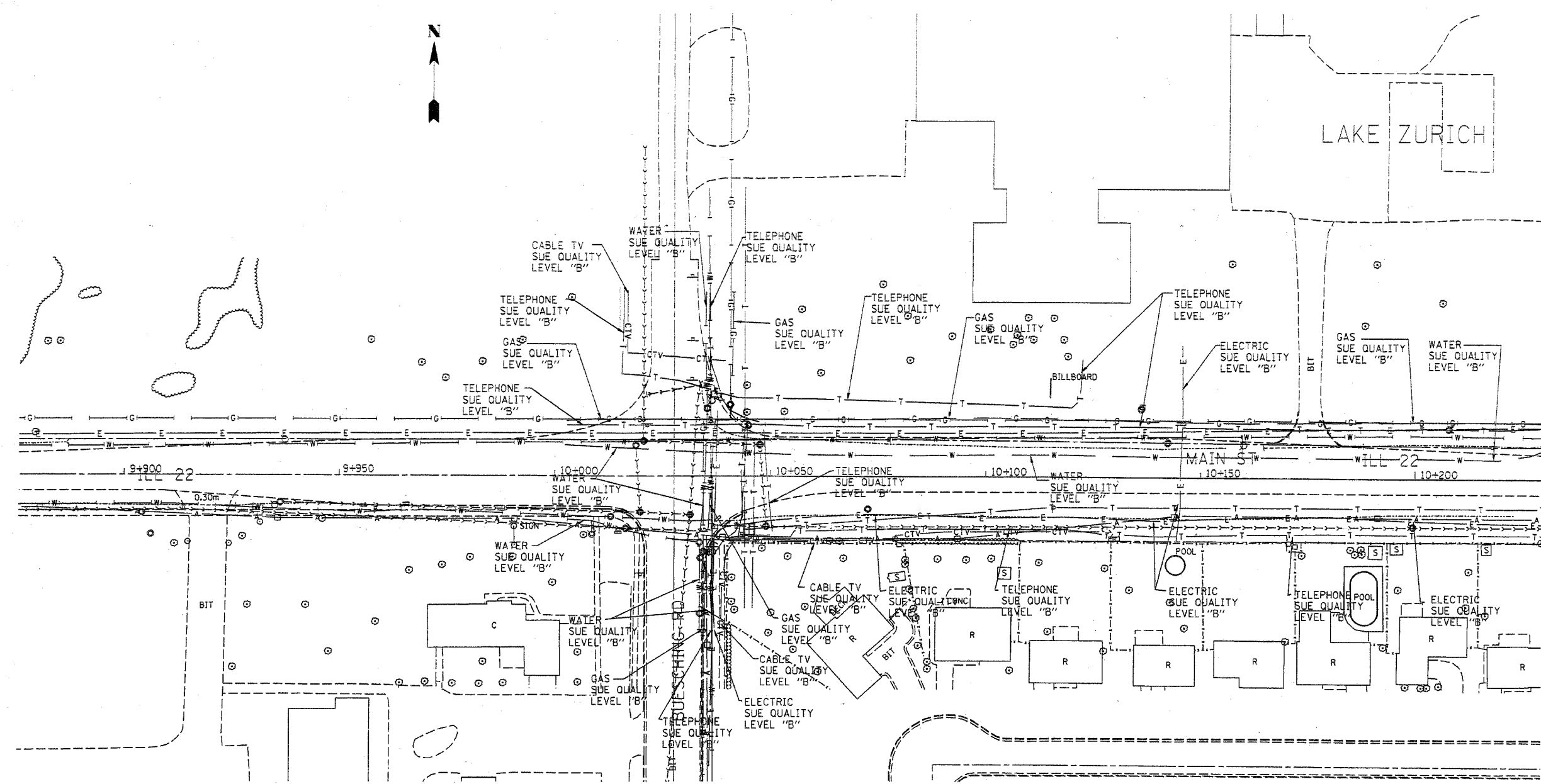
1" = 25mm, 1 Foot = 300mm

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| REVISIONS |      |
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| NAME      | DATE |
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ILLINOIS ROUTE 22  
 E. OF BUESCHING RD TO QUENTIN RD  
 DETAILS  
 SANITARY SEWER AND WATER MAIN  
 RELOCATION  
 DRAWN BY: JJH  
 CHECKED BY: WS  
 DATE: 03-11-05

|                     |         |                           |              |           |
|---------------------|---------|---------------------------|--------------|-----------|
| F.A. RTE.           | SECTION | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 22                  | 20WRS-6 | LAKE                      | 3/8          | 106       |
| STA.                |         | TO STA.                   |              |           |
| FED. ROAD DIST. NO. |         | ILLINOIS FED. AID PROJECT |              |           |




|                     |                  |
|---------------------|------------------|
| — T — T —           | TELEPHONE        |
| — W — W —           | WATER            |
| — G — G —           | GAS              |
| — CTV — CTV — CTV — | CABLE TELEVISION |
| — FO — FO — FO —    | FIBER OPTIC      |
| — E — E —           | ELECTRIC         |

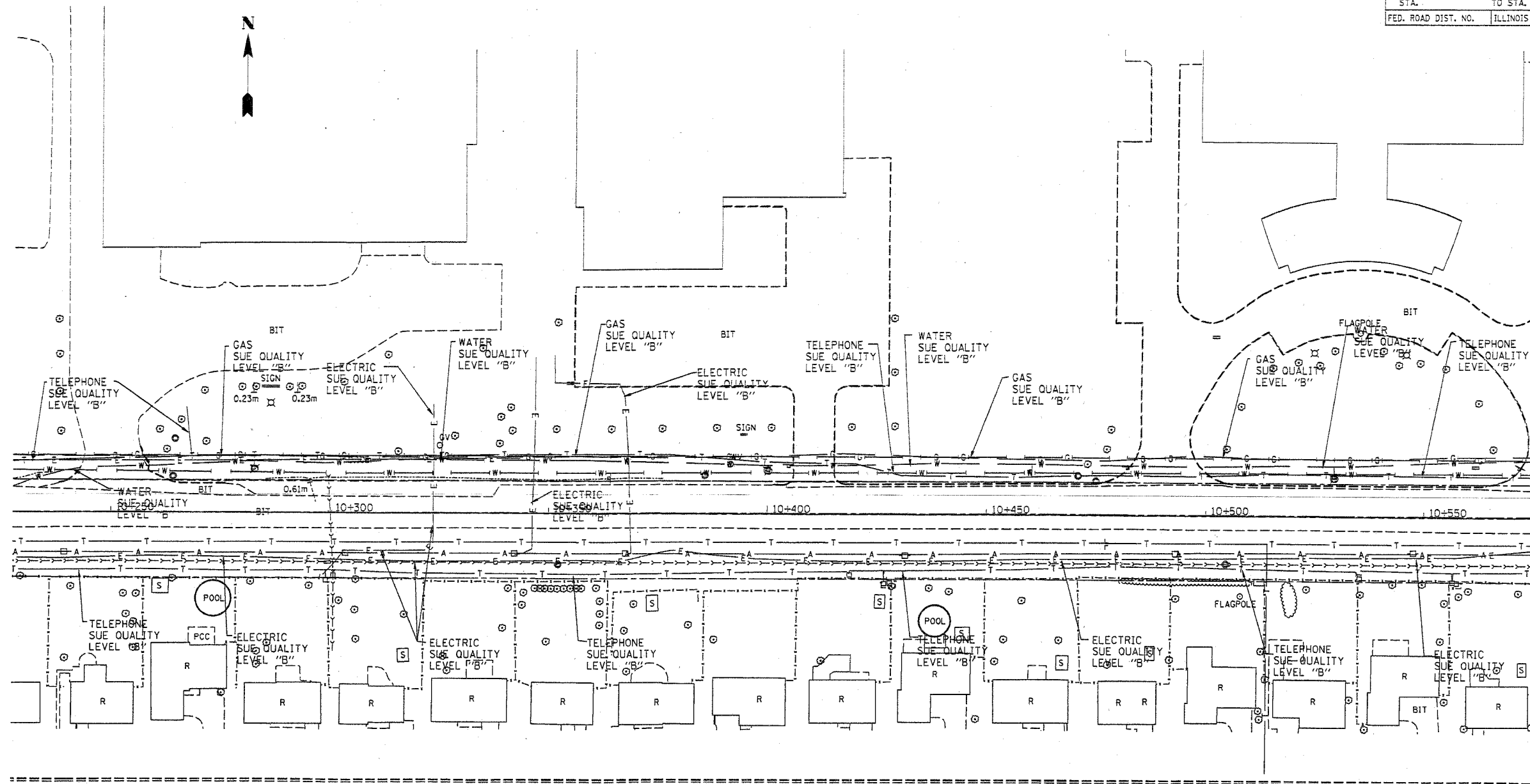
**TBE GROUP, INC.**  
 CIVIL ENGINEERING \* TRANSPORTATION \* ENVIRONMENTAL  
 \* PLANNING \* UTILITY ENGINEERING \* LOCATING  
 SOUTHERN REGION: FL, GA, SC, NC  
 NORTHERN REGION: IL, IN, MI, OH, MD, NJ, NY  
 PA, VA, CANADA  
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA

IL09500126  
 TBE SUE PAGE NO: 1 of 11  
 Signature *Sandoz*  
 SUE Quality Level "A" : Test Holes  
 SUE Quality Level "B" : Designating

Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards as of 4/16/02.  
 All other information shown has been provided to TBE Group, Inc by others.

|   |           |                                |   |
|---|-----------|--------------------------------|---|
| <br>205 W. WACKER DRIVE<br>SUITE 1020<br>CHICAGO, IL 60606<br>(312) 704-1970 | REVISIONS |                                | ILLINOIS DEPARTMENT OF TRANSPORTATION<br><br>SUE Investigation of Underground Utilities<br>IL RT.22 E. of Beusching Rd.<br>to Quetin Rd.<br><br>SCALE : 500<br>SQL "B" DATE : 4/16/02 |
|   | NAME      | DATE                           |   |
|   |           |                                |   |
|   |           |                                |   |
|   |           |                                |   |
|   |           | DRAWN BY : JAC<br>CHECKED BY : |   |

|                     |                           |        |              |           |
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| F.A. RTE.           | SECTION                   | COUNTY | TOTAL SHEETS | SHEET NO. |
| 22                  | 20WRS-6                   | LAKE   | 3/8          | 107       |
| STA.                | TO STA.                   |        |              |           |
| FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT |        |              |           |



|               |                  |
|---------------|------------------|
| — T — T —     | TELEPHONE        |
| — W — W —     | WATER            |
| — G — G —     | GAS              |
| — CTV — CTV — | CABLE TELEVISION |
| — FO — FO —   | FIBER OPTIC      |
| — E — E —     | ELECTRIC         |




**TBE GROUP, INC.**  
 CIVIL ENGINEERING \* TRANSPORTATION \* ENVIRONMENTAL  
 \* PLANNING \* UTILITY ENGINEERING/LOCATING  
 SOUTHERN REGION: FL, GA, SC, NC  
 NORTHERN REGION: IL, IN, MI, OH, MD, NJ, NY  
 PA, VA, CANADA  
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA

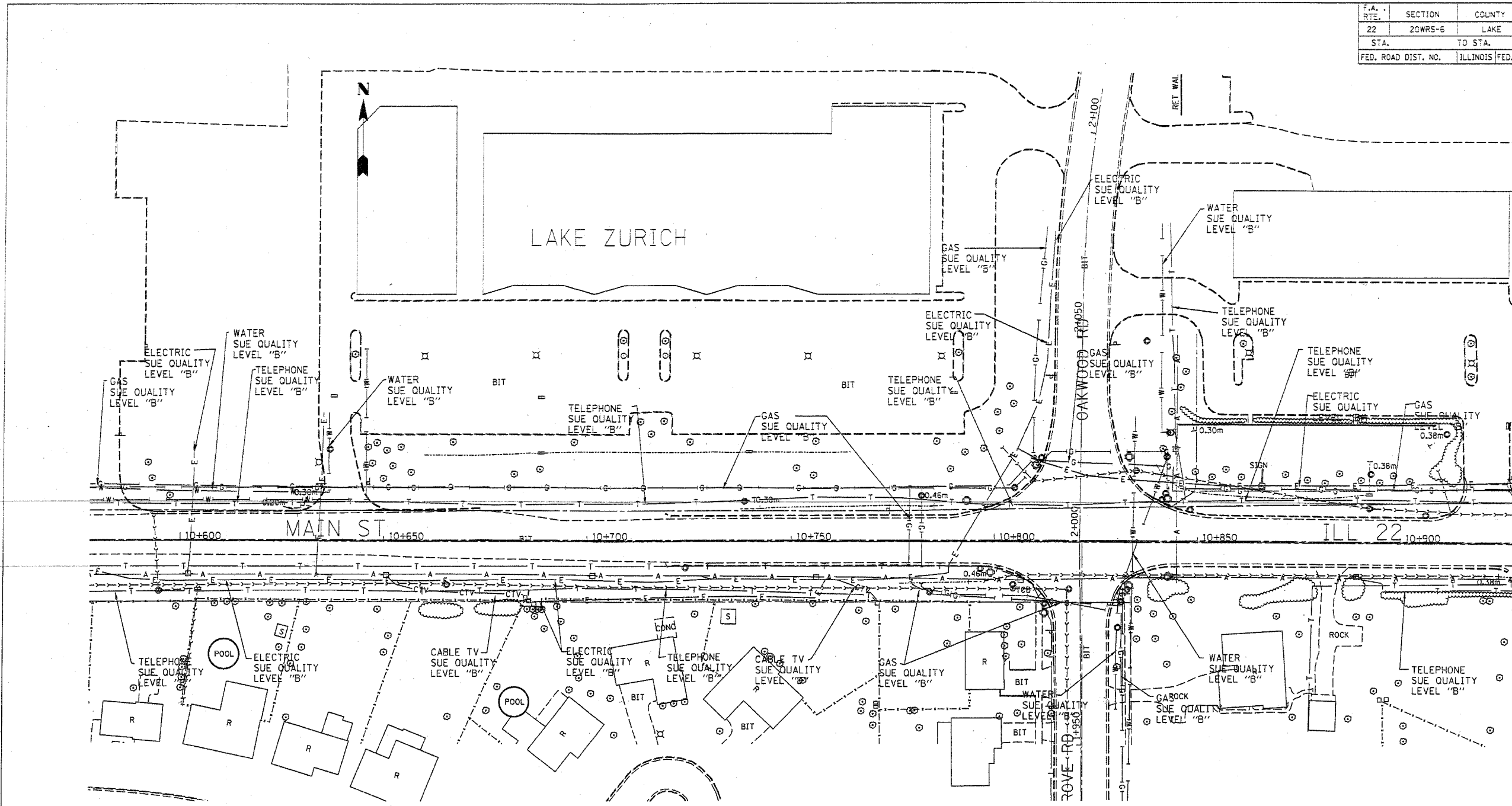
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 Signature *[Handwritten Signature]*

SUE Quality Level "A" : Test Holes  
 SUE Quality Level "B" : Designating

Utilities shown on these plans as depicted in the legend have been investigated by TBE Group, Inc in accordance with SUE Industry Standards as of 4/16/02.  
 All other information shown has been provided to TBE Group, Inc by others.

|   |           |                                |   |
|---|-----------|--------------------------------|---|
| <br>205 W. WACKER DRIVE<br>SUITE 1020<br>CHICAGO, IL 60606<br>(312) 704-1970 | REVISIONS |                                | ILLINOIS DEPARTMENT OF TRANSPORTATION<br><br>SUE Investigation of Underground Utilities<br>IL RT.22 E. of Bausing Rd.<br>to Quetin Rd.<br><br>SCALE : 500<br>SOL "B" DATE : 4/16/02 |
|   | NAME      | DATE                           |   |
|   |           |                                |   |
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|   |           | DRAWN BY : JAC<br>CHECKED BY : |   |

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| F.A. RTE.           | SECTION                   | COUNTY | TOTAL SHEETS | SHEET NO. |
| 22                  | 20WR5-6                   | LAKE   | 318          | 108       |
| STA.                | TO STA.                   |        |              |           |
| FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT |        |              |           |




|               |                  |
|---------------|------------------|
| — T — T —     | TELEPHONE        |
| — W — W —     | WATER            |
| — G — G —     | GAS              |
| — CTV — CTV — | CABLE TELEVISION |
| — FO — FO —   | FIBER OPTIC      |
| — E — E —     | ELECTRIC         |

**TBE GROUP, INC.**  
 CIVIL ENGINEERING \* TRANSPORTATION \* ENVIRONMENTAL  
 \* PLANNING \* UTILITY ENGINEERING/LOCATING  
 SOUTHERN REGION: FL, GA, SC, NC  
 NORTHERN REGION: IL, IN, MI, OH, MD, NJ, NY  
 PA, VA, CANADA  
 WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA

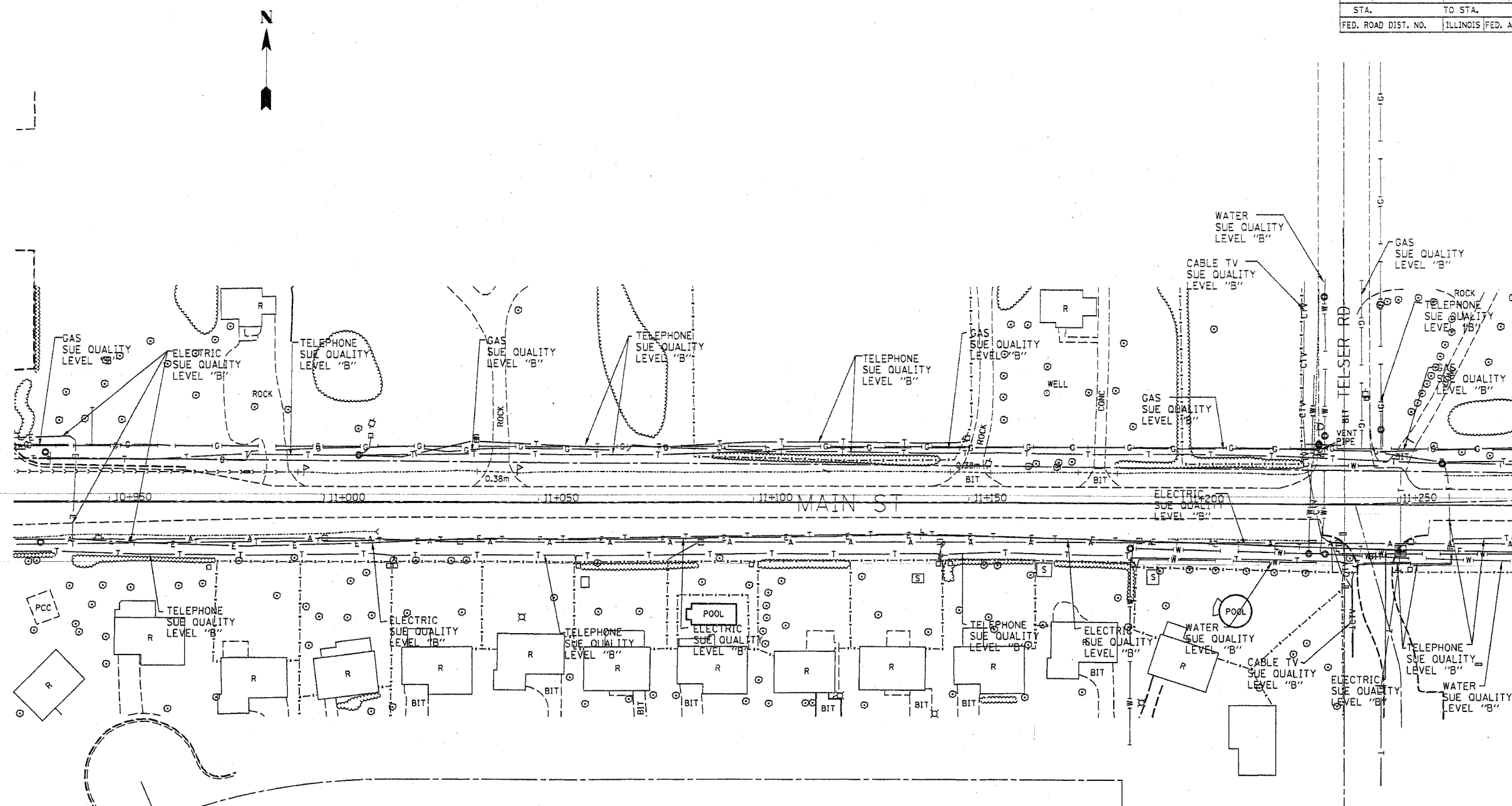
IL09500126  
 TBE SUE PAGE NO: 3 of 11  
 Signature *Sandra Jones*  
 SUE Quality Level "A" : Test Holes  
 SUE Quality Level "B" : Designating

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|   |           |                                |  |
|---|-----------|--------------------------------|--|
| <br>205 W. WACKER DRIVE<br>SUITE 1020<br>CHICAGO, IL 60606<br>(312) 704-1970 | REVISIONS |                                | ILLINOIS DEPARTMENT OF TRANSPORTATION<br><br>SUE Investigation of Underground Utilities<br>IL RT.22 E. of Beusching Rd.<br>to Queen Rd.<br><br>SCALE : 500<br>SOL "B" DATE : 4/16/02 |
|   | NAME      | DATE                           |  |
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|   |           | DRAWN BY : JAC<br>CHECKED BY : |  |



|                     |                           |        |              |           |
|---------------------|---------------------------|--------|--------------|-----------|
| F.A. RTE.           | SECTION                   | COUNTY | TOTAL SHEETS | SHEET NO. |
| 22                  | 20WRS-6                   | LAKE   | 318          | 109       |
| STA.                | TO STA.                   |        |              |           |
| FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT |        |              |           |




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| — T — T —           | TELEPHONE        |
| — W — W —           | WATER            |
| — G — G —           | GAS              |
| — CTV — CTV — CTV — | CABLE TELEVISION |
| — FO — FO — FO —    | FIBER OPTIC      |
| — E — E —           | ELECTRIC         |

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IL09500126  
 TBE SUE PAGE NO: 4 of 11  
 Signature *[Signature]*  
 SUE Quality Level "A" : Test Holes  
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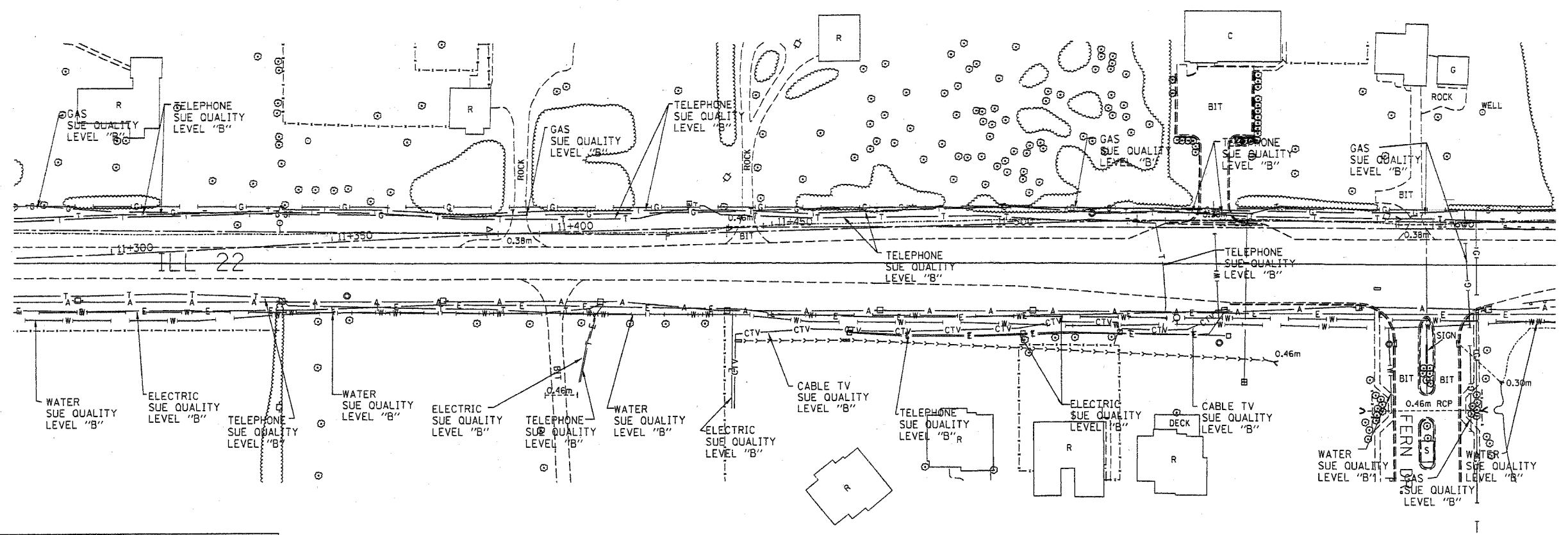
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 205 W. WACKER DRIVE  
 SUITE 1020  
 CHICAGO, IL 60606  
 (312) 704-1970

| REVISIONS |      |
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| NAME      | DATE |
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SUE Investigation of Underground Utilities  
 IL RT.22 E. of Beusching Rd.  
 to Quetin Rd.  
 SCALE : 500  
 SOL "B" DATE : 4/16/02  
 DRAWN BY : JAC  
 CHECKED BY :

|                     |          |                  |              |           |
|---------------------|----------|------------------|--------------|-----------|
| F.A. RTE.           | SECTION  | COUNTY           | TOTAL SHEETS | SHEET NO. |
| 22                  | 20WR5-6  | LAKE             | 3/8          | 110       |
| STA.                | TO STA.  |                  |              |           |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT |              |           |




|               |                  |
|---------------|------------------|
| — T — T —     | TELEPHONE        |
| — W — W —     | WATER            |
| — G — G —     | GAS              |
| — CTV — CTV — | CABLE TELEVISION |
| — FO — FO —   | FIBER OPTIC      |
| — E — E —     | ELECTRIC         |

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ILO9500126  
 TBE SUE PAGE NO: 5 of 11  
 Signature *Sandra Jones*  
 SUE Quality Level "A" : Test Holes  
 SUE Quality Level "B" : Designating

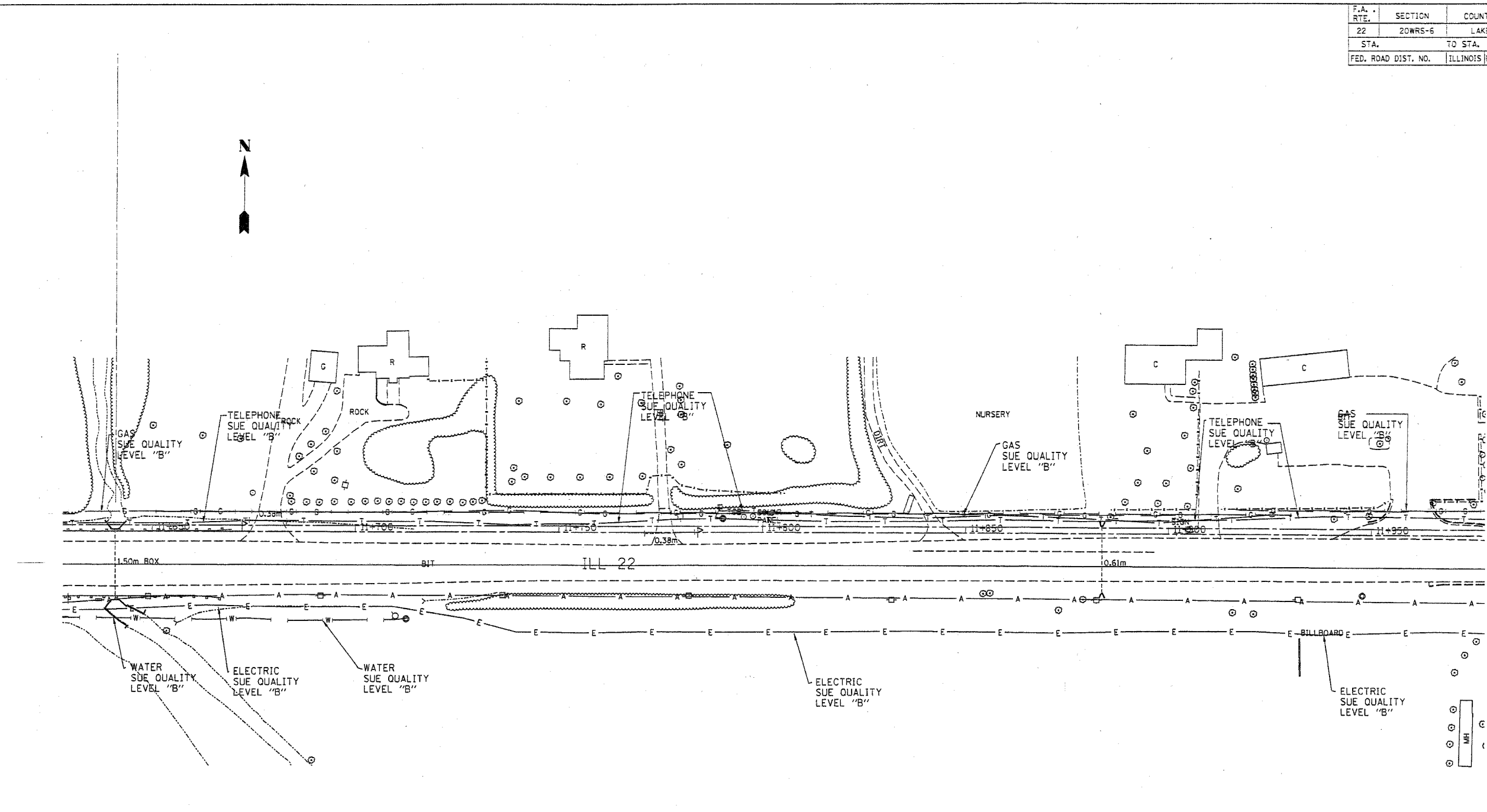
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 205 W. WACKER DRIVE  
 SUITE 1020  
 CHICAGO, IL 60606  
 (312) 704-1970

| REVISIONS |      |
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SUE Investigation of Underground Utilities  
 IL RT.22 E. of Beusching Rd.  
 to Quetin Rd.  
 SCALE : 500  
 SOL "B" DATE : 4/16/02  
 DRAWN BY : JAC  
 CHECKED BY

|                     |                           |        |              |           |
|---------------------|---------------------------|--------|--------------|-----------|
| F.A. RTE.           | SECTION                   | COUNTY | TOTAL SHEETS | SHEET NO. |
| 22                  | 20WRS-6                   | LAKE   | 3/8          | 1/1       |
| STA.                | TO STA.                   |        |              |           |
| FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT |        |              |           |




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| — T — T —     | TELEPHONE        |
| — W — W —     | WATER            |
| — G — G —     | GAS              |
| — CTV — CTV — | CABLE TELEVISION |
| — FO — FO —   | FIBER OPTIC      |
| — E — E —     | ELECTRIC         |

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IL09500126  
 TBE SUE PAGE NO: 6 of 11  
 Signature *S. Adams*  
 SUE Quality Level "A" : Test Holes  
 SUE Quality Level "B" : Designating

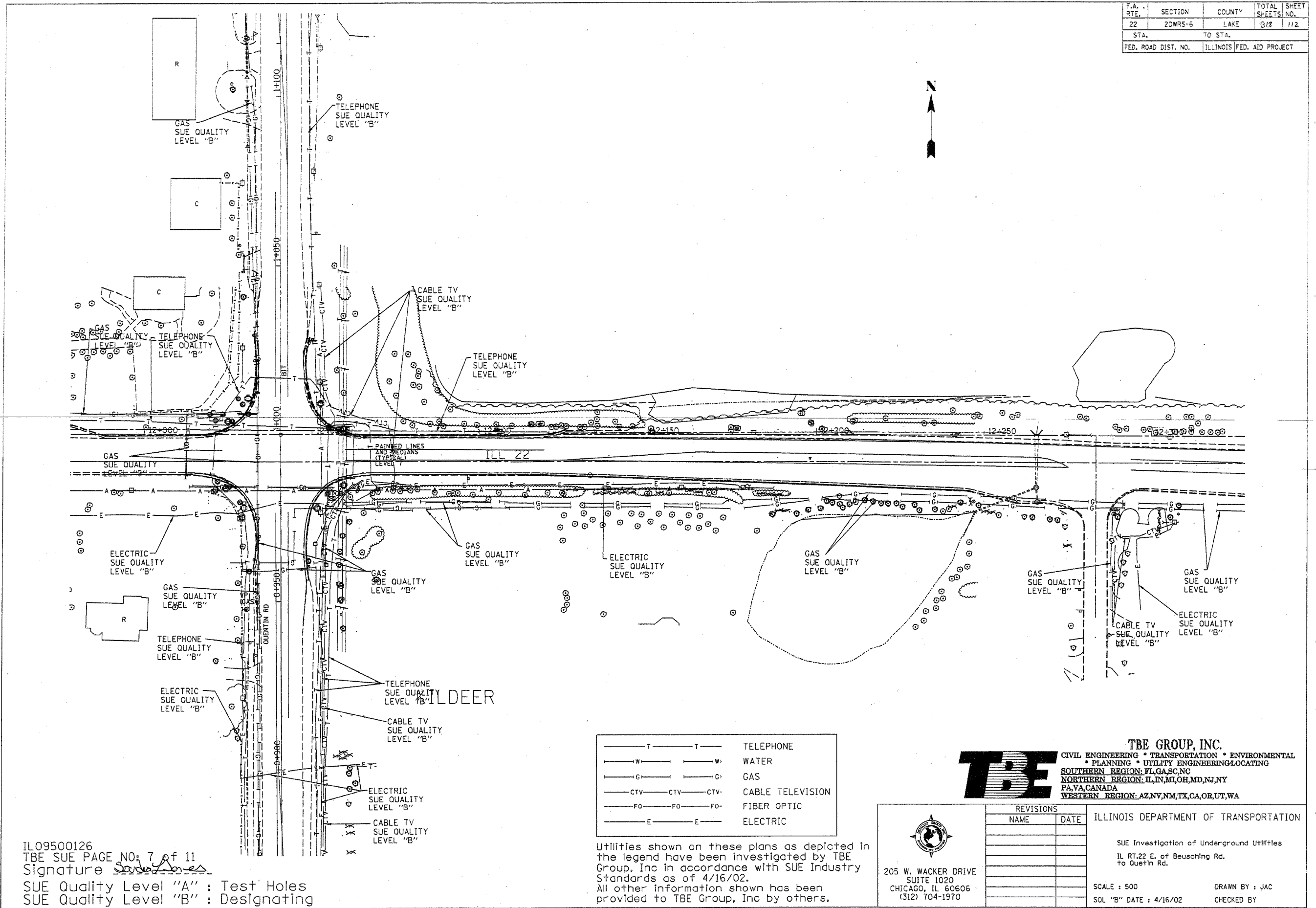
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 CHICAGO, IL 60606  
 (312) 704-1970

| REVISIONS |      |
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SUE Investigation of Underground Utilities  
 IL RT.22 E. of Beusching Rd.  
 to Quetin Rd.  
 SCALE : 500  
 SOL "B" DATE : 4/16/02  
 DRAWN BY : JAC  
 CHECKED BY :

|                     |                           |        |              |           |
|---------------------|---------------------------|--------|--------------|-----------|
| F.A. RTE.           | SECTION                   | COUNTY | TOTAL SHEETS | SHEET NO. |
| 22                  | 20WRS-6                   | LAKE   | 318          | 112       |
| STA.                | TO STA.                   |        |              |           |
| FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT |        |              |           |



ILO9500126  
TBE SUE PAGE NO: 7 of 11  
Signature *Sandra Ames*

SUE Quality Level "A" : Test Holes  
SUE Quality Level "B" : Designating

|                     |                  |
|---------------------|------------------|
| — T — T —           | TELEPHONE        |
| — W — W —           | WATER            |
| — G — G —           | GAS              |
| — CTV — CTV — CTV — | CABLE TELEVISION |
| — FO — FO — FO —    | FIBER OPTIC      |
| — E — E —           | ELECTRIC         |

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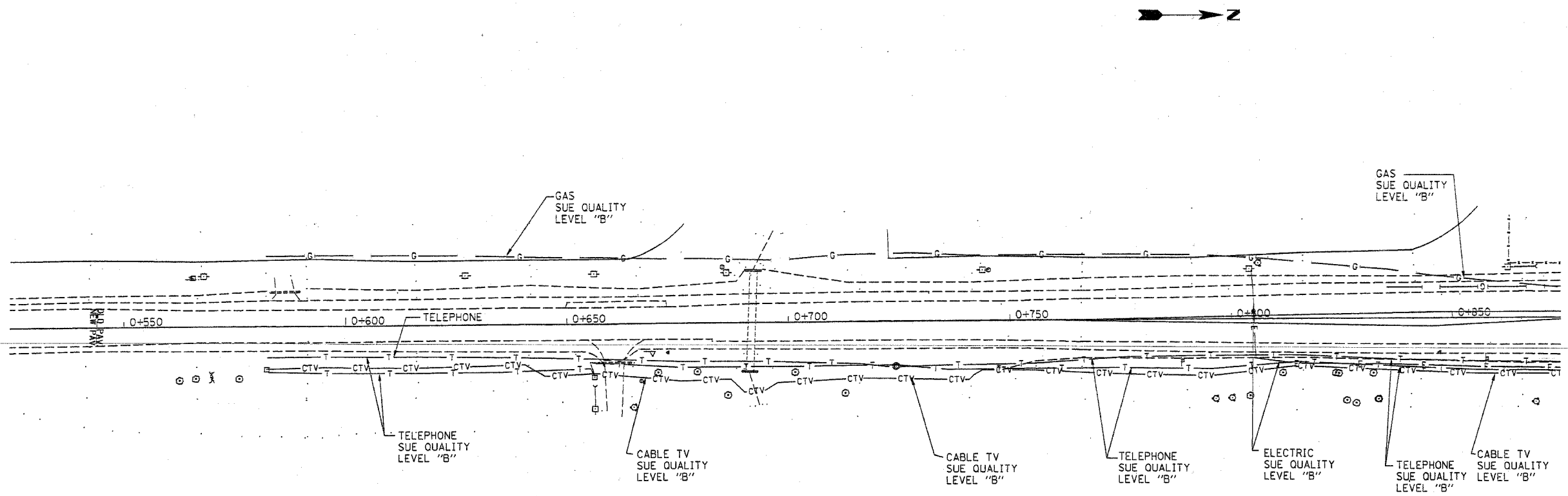
205 W. WACKER DRIVE  
SUITE 1020  
CHICAGO, IL 60606  
(312) 704-1970

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\* PLANNING \* UTILITY ENGINEERING/LOCATING  
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PA, VA, CANADA  
WESTERN REGION: AZ, NV, NM, TX, CA, OR, UT, WA

| REVISIONS |      |
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
SUE Investigation of Underground Utilities  
IL RT.22 E. of Beusching Rd.  
to Quetin Rd.  
SCALE : 500  
SOL "B" DATE : 4/16/02  
DRAWN BY : JAC  
CHECKED BY :

|                     |         |                           |              |           |
|---------------------|---------|---------------------------|--------------|-----------|
| F.A. RTE.           | SECTION | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 22                  | 20WRS-B | LAKE                      | 318          | 113       |
| STA.                |         | TO STA.                   |              |           |
| FED. ROAD DIST. NO. |         | ILLINOIS FED. AID PROJECT |              |           |




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|-------------------|------------------|
| — T — T —         | TELEPHONE        |
| — W — W —         | WATER            |
| — G — G —         | GAS              |
| — CTV — CTV — CTV | CABLE TELEVISION |
| — FO — FO — FO    | FIBER OPTIC      |
| — E — E —         | ELECTRIC         |

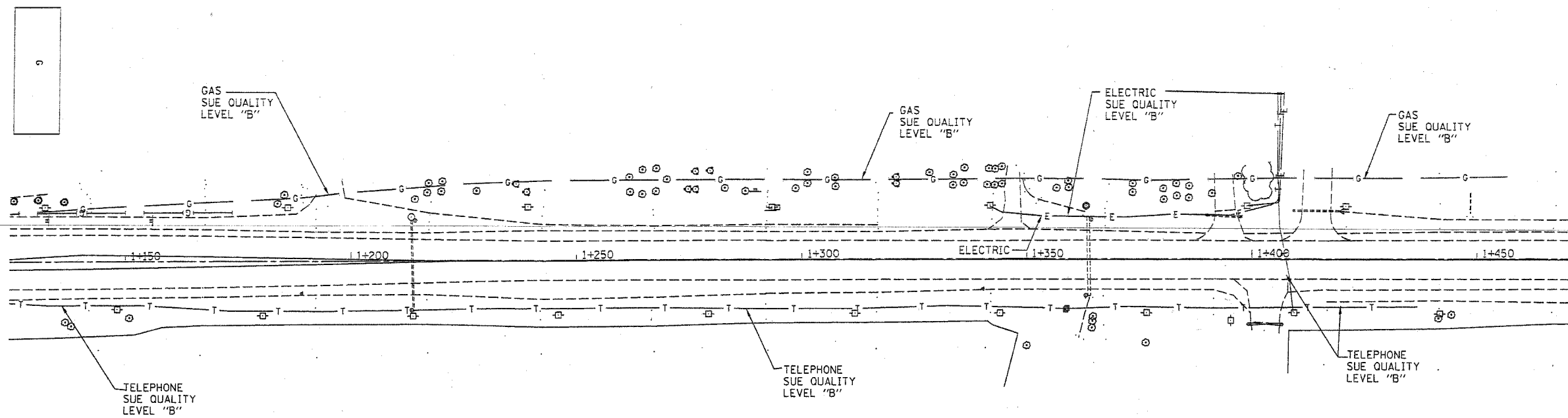
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IL09500126  
 TBE SUE PAGE NO: 8 of 11  
 Signature *[Signature]*  
 SUE Quality Level "A" : Test Holes  
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|   | NAME      | DATE                           |   |
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|   |           | DRAWN BY : JAC<br>CHECKED BY : |   |

|                     |         |                           |              |           |
|---------------------|---------|---------------------------|--------------|-----------|
| F.A. RTE.           | SECTION | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 22                  | 20WRS-6 | LAKE                      | 318          | 114       |
| STA.                |         | TO STA.                   |              |           |
| FED. ROAD DIST. NO. |         | ILLINOIS FED. AID PROJECT |              |           |



|                     |                  |
|---------------------|------------------|
| — T — T —           | TELEPHONE        |
| — W — W —           | WATER            |
| — G — G —           | GAS              |
| — CTV — CTV — CTV — | CABLE TELEVISION |
| — FO — FO — FO —    | FIBER OPTIC      |
| — E — E —           | ELECTRIC         |

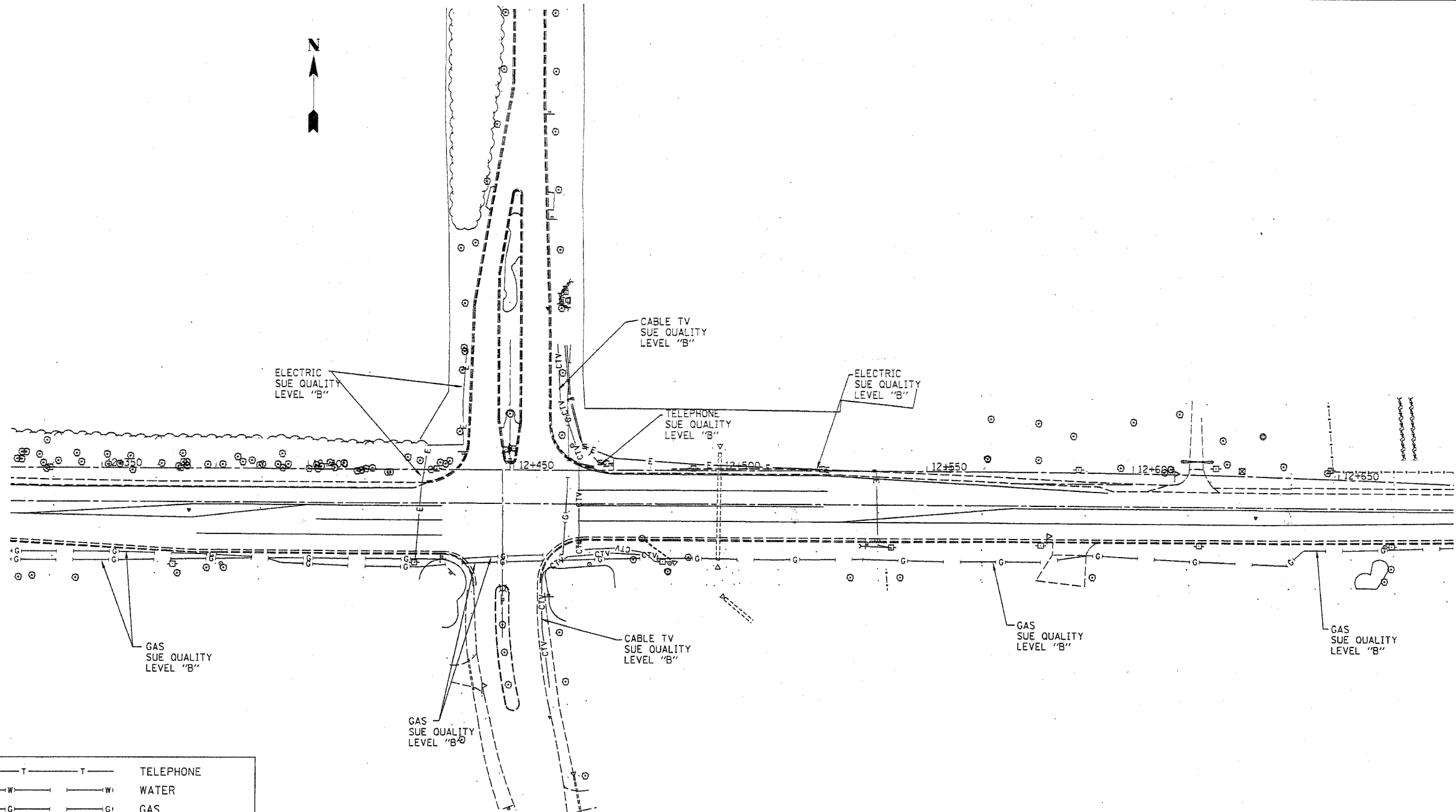
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| <br>205 W. WACKER DRIVE<br>SUITE 1020<br>CHICAGO, IL 60606<br>(312) 704-1970 | REVISIONS |                | ILLINOIS DEPARTMENT OF TRANSPORTATION<br><br>SUE Investigation of Underground Utilities<br>IL RT.22 E. of Beusching Rd.<br>To Quetin Rd.<br><br>SCALE : 500<br>SQL "B" DATE : 4/16/02 |
|  | NAME      | DATE           |   |
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|  |           | DRAWN BY : JAC |   |
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|                     |         |                           |              |           |
|---------------------|---------|---------------------------|--------------|-----------|
| F.A. RTE.           | SECTION | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 22                  | 20WRS-6 | LAKE                      | 3/8          | 115       |
| STA.                |         | TO STA.                   |              |           |
| FED. ROAD DIST. NO. |         | ILLINOIS FED. AID PROJECT |              |           |




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| — T — T —           | TELEPHONE        |
| — W — W —           | WATER            |
| — G — G —           | GAS              |
| — CTV — CTV — CTV — | CABLE TELEVISION |
| — FO — FO — FO —    | FIBER OPTIC      |
| — E — E —           | ELECTRIC         |

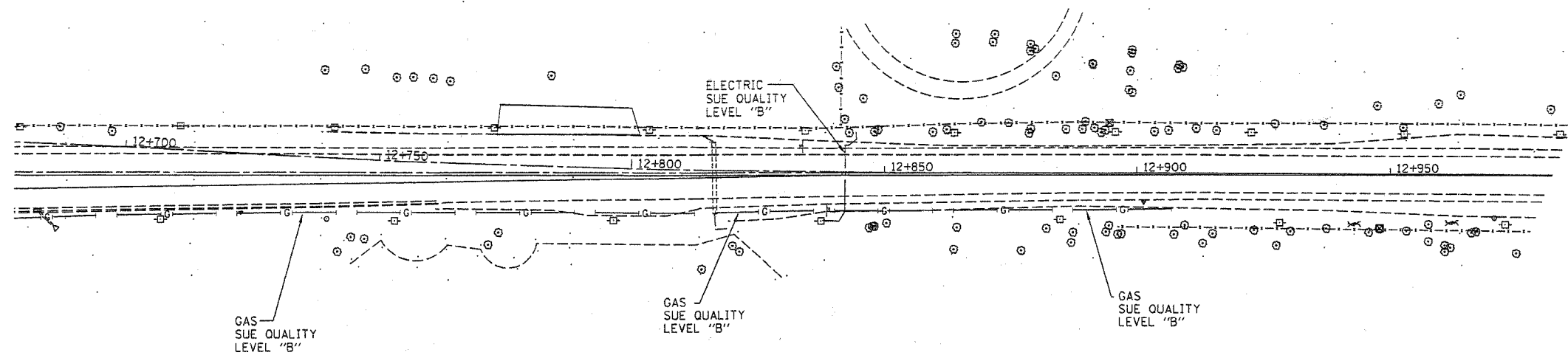
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|   | NAME      | DATE                           |   |
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| F.A. RTE.           | SECTION | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 22                  | 20WRS-6 | LAKE                      | 318          | 116       |
| STA.                |         | TO STA.                   |              |           |
| FED. ROAD DIST. NO. |         | ILLINOIS FED. AID PROJECT |              |           |




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| — T — T —           | TELEPHONE        |
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| — G — G —           | GAS              |
| — CTV — CTV — CTV — | CABLE TELEVISION |
| — FO — FO — FO —    | FIBER OPTIC      |
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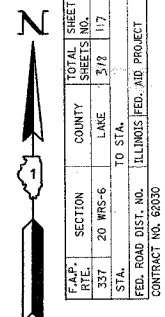
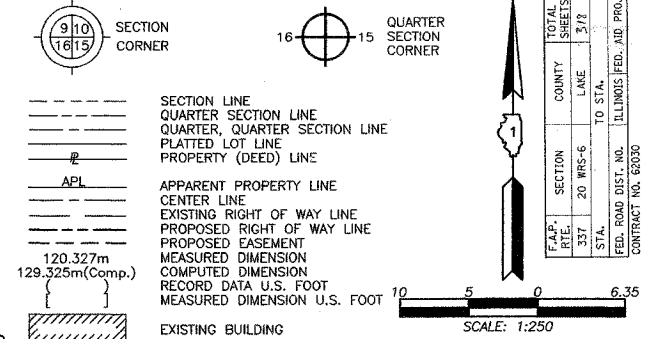
  
 205 W. WACKER DRIVE  
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 CHICAGO, IL 60606  
 (312) 704-1970

| REVISIONS |      |
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SUE Investigation of Underground Utilities  
 IL RT.22 E. of Beusching Rd.  
 to Quetin Rd.  
 SCALE : 500  
 SOL "B" DATE : 4/16/02  
 DRAWN BY : JAC  
 CHECKED BY

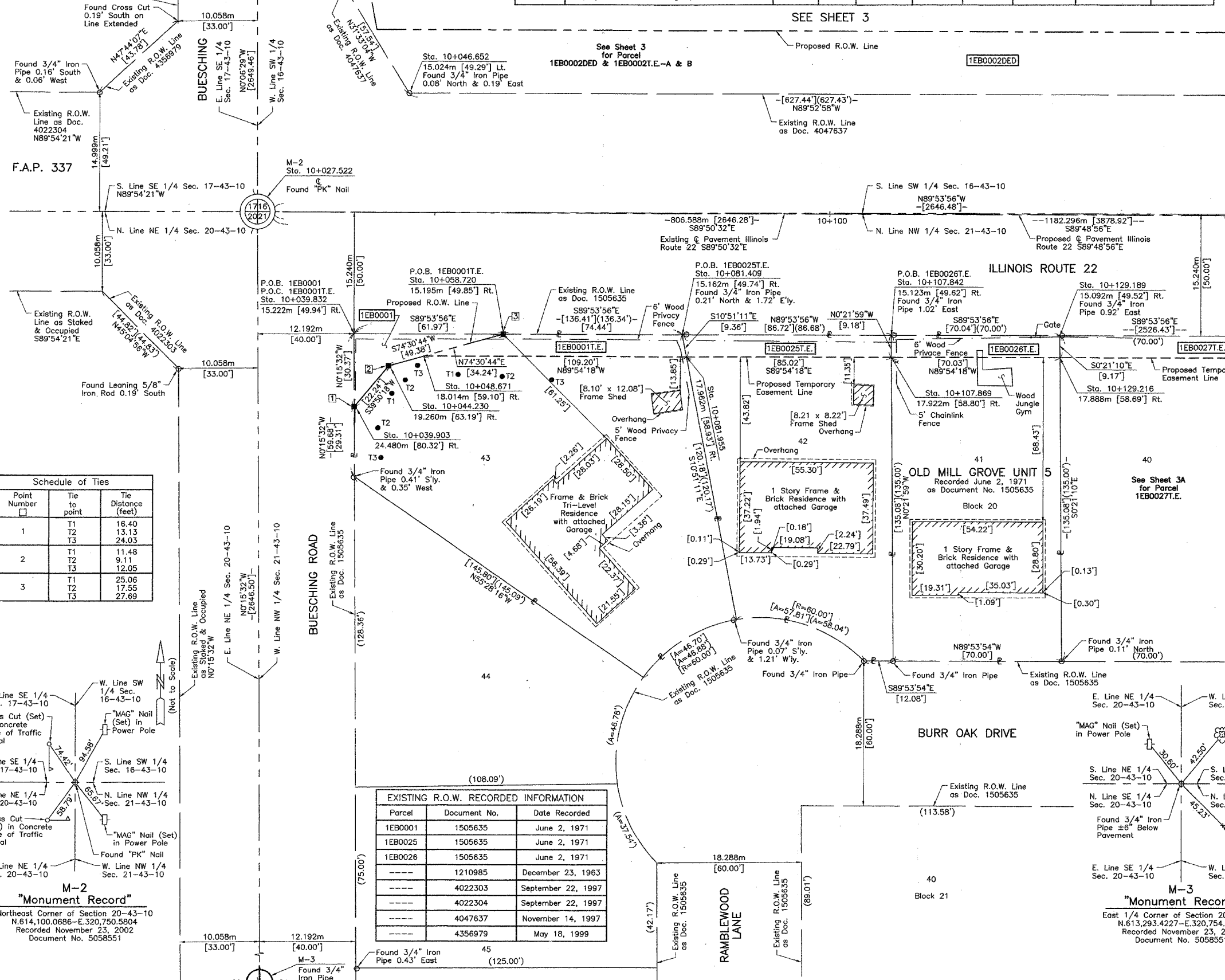


LEGEND



| PARCEL NUMBER          | OWNER   | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA ACRES | EASEMENT PURPOSE | PERMANENT INDEX NUMBER | PROPERTY ACQUIRED BY |
|------------------------|---|----------------------|------------------|-------------------------------|----------------------|---------------------|------------------|------------------------|----------------------|
| 1EB0001<br>1EB0001T.E. | Sennett T. Paige and Patricia Sue Paige, his wife, as Joint Tenants   | 0.360                | 0.014            | N/A                           | 0.346                | 0.019               | Grading          | 14-21-101-010          |                      |
| 1EB0025T.E.            | Steven C. Gillen and Kamala A. Gillen, Husband and Wife, as tenants by the entirety, not as joint tenants or tenants in common. | 0.214                | N/A              | N/A                           | 0.214                | 0.018               | Grading          | 14-21-101-011          |                      |
| 1EB0026T.E.            | Jacquelyn E. Pathmann, also known as Jacquelyn Pathmann, a single person  | 0.217                | N/A              | N/A                           | 0.217                | 0.015               | Grading          | 14-21-101-012          |                      |

THE LANDINGS OF LAKE ZURICH  
Recorded May 18, 1999  
as Document No. 4356979



Schedule of Ties

| Point Number | Tie to point | Tie Distance (feet) |
|--------------|--------------|---------------------|
| 1            | T1           | 16.40               |
|              | T2           | 13.13               |
|              | T3           | 24.03               |
| 2            | T1           | 11.48               |
|              | T2           | 9.11                |
|              | T3           | 12.05               |
| 3            | T1           | 25.06               |
|              | T2           | 17.55               |
|              | T3           | 27.69               |

EXISTING R.O.W. RECORDED INFORMATION

| Parcel  | Document No. | Date Recorded      |
|---------|--------------|--------------------|
| 1EB0001 | 1505635      | June 2, 1971       |
| 1EB0025 | 1505635      | June 2, 1971       |
| 1EB0026 | 1505635      | June 2, 1971       |
| ----    | 1210985      | December 23, 1963  |
| ----    | 4022303      | September 22, 1997 |
| ----    | 4022304      | September 22, 1997 |
| ----    | 4047637      | November 14, 1997  |
| ----    | 4356979      | May 18, 1999       |

SEE SHEET 3  
SEE SHEET 3A



DATED AT LAKE VILLA, ILLINOIS THIS 26th DAY OF November 2002 A.D.  
 Christian H. Jorgensen - PRESIDENT  
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2787  
 LICENSE EXPIRATION DATE, NOVEMBER 30, 2002

NOTE: COORDINATES ARE GROUND VALUES AND CAN BE CONVERTED TO GRID VALUES BY MULTIPLYING THE PUBLISHED GROUND COORDINATES BY AN AVERAGE COMBINED SCALE FACTOR OF 0.9999454, AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

COORDINATE TABLE

| STATION    | OFFSET      | NORTH        | EAST         |
|------------|-------------|--------------|--------------|
| 10+037.427 | 29.940m Lt. | 614,129.9761 | 320,760.5825 |
| 10+039.832 | 15.222m Rt. | 614,084.8069 | 320,762.8415 |
| 10+039.903 | 24.480m Rt. | 614,075.5488 | 320,762.8834 |
| 10+044.230 | 19.260m Rt. | 614,080.7549 | 320,767.2288 |
| 10+046.652 | 15.024m Lt. | 614,115.0305 | 320,769.7595 |
| 10+048.671 | 18.014m Rt. | 614,081.9866 | 320,771.6719 |
| 10+058.720 | 15.195m Rt. | 614,084.7736 | 320,781.7298 |
| 10+081.409 | 15.162m Rt. | 614,084.7336 | 320,804.4189 |
| 10+081.955 | 17.962m Rt. | 614,081.9314 | 320,804.9561 |
| 10+107.842 | 15.123m Rt. | 614,084.6870 | 320,830.8523 |
| 10+107.869 | 17.922m Rt. | 614,081.8884 | 320,830.8702 |
| 10+129.189 | 15.092m Rt. | 614,084.6494 | 320,852.1991 |
| 10+129.216 | 17.888m Rt. | 614,081.8530 | 320,852.2184 |

JORGENSEN & ASSOCIATES, INC.  
 120 PARK AVENUE  
 LAKE VILLA, ILLINOIS 60046  
 (847) 356-3371

PLAT OF HIGHWAYS  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 F.A.P. 337 (ILLINOIS ROUTE 22)  
 SECTION LAKE COUNTY  
 PROJECT JOB NO. R-91-009-01  
 STATION 10+027.522 TO STATION 10+150  
 SCALE: 1:250/1"=6.35 SHEET 2 OF 26

BUREAU OF LAND ACQUISITION  
 201 WEST CENTER COURT  
 SCHAUMBURG, ILLINOIS 60196

| ROW PLAT | DATE | BY | MADE | CHECKED | LINKED | NOTED | BOOK | NO. |
|----------|------|----|------|---------|--------|-------|------|-----|
|          |      |    |      |         |        |       |      |     |

M-2 "Monument Record"  
 Northeast Corner of Section 20-43-10  
 N.614,100.0686-E.320,750.5804  
 Recorded November 23, 2002  
 Document No. 5058551

M-3 "Monument Record"  
 East 1/4 Corner of Section 20-43-10  
 N.613,293.4227-E.320,754.2239  
 Recorded November 23, 2002  
 Document No. 5058551

REVISION DATE February 27, 2003  
 October 21, 2002

Ownership Parcels 1EB0001, 1EB0025 & 1EB0026  
 REVISION Added Parcels 1EB0001T.E., 1EB0025T.E. & 1EB0026T.E. MADE BY

PART OF THE SW 1/4 OF SEC. 16, PART OF THE SE 1/4 OF SEC. 17, PART OF THE NE 1/4 OF SEC. 20 AND PART OF THE NW 1/4 OF SEC. 21, TWP. 43 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

| PARCEL NUMBER | OWNER   | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA ACRES | EASEMENT PURPOSE                               | PERMANENT INDEX NUMBER | PROPERTY ACQUIRED BY |
|---------------|---|----------------------|------------------|-------------------------------|----------------------|---------------------|--|------------------------|----------------------|
| 1EB0002DED    | Chicago Title and Trust Company, as Trustee under Trust Agreement dated November 22, 1994 and known as Illinois Land Trust Number 1100100 | 9.239                | *0.335           | N/A                           | 9.239                | A=0.037<br>B=0.075  | Driveway Construction<br>Driveway Construction | 14-16-300-020          |                      |

**LEGEND**

SECTION CORNER 16 15 QUARTER SECTION CORNER

SECTION LINE  
QUARTER SECTION LINE  
QUARTER QUARTER SECTION LINE  
PLATTED LOT LINE  
PROPERTY (DEED) LINE

APL APPARENT PROPERTY LINE  
CENTER LINE  
EXISTING RIGHT OF WAY LINE  
PROPOSED RIGHT OF WAY LINE  
PROPOSED EASEMENT  
MEASURED DIMENSION  
COMPUTED DIMENSION  
RECORD DATA U.S. FOOT  
MEASURED DIMENSION U.S. FOOT

EXISTING BUILDING

Bearings are referenced to the Illinois State Plane Coordinate System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

○ IRON PIPE OR ROD FOUND      ⊕ "MAG" NAIL SET  
+ CUT CROSS FOUND OR SET      ● 5/8" REBAR SET

● T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.  
● T2  
● T3

● BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.  
● BT2  
● BT3

■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

⊙ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

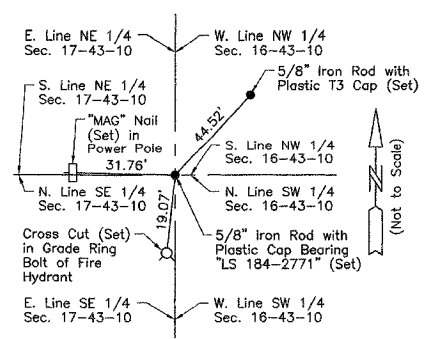
□ RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS }  
                                  }SS  
COUNTY OF LAKE }  
                                  }SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 16, TOWNSHIP 43N., RANGE 10E. AND SECTION 21, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 26th DAY OF November 2022 A.D.

*Christian H. Jorgensen* PRESIDENT  
2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS LAKE VILLA, ILLINOIS



**EXISTING R.O.W. RECORDED INFORMATION**

| Parcel     | Document No. | Date Recorded      |
|------------|--------------|--------------------|
| 1EB0002DED | 4047637      | November 14, 1997  |
| -----      | 1210985      | December 23, 1963  |
| -----      | 1505635      | June 2, 1971       |
| -----      | 4022303      | September 22, 1997 |
| -----      | 4022304      | September 22, 1997 |
| -----      | 4356979      | May 18, 1999       |

**Schedule of Ties**

| Point Number | Tie to point | Tie Distance (feet) |
|--------------|--------------|---------------------|
| 1            | T1           | 87.38               |
|              | T2           | 50.52               |
|              | T3           | 11.00               |
| 2            | T1           | 19.19               |
|              | T2           | 47.52               |
|              | T3           | 98.30               |
| 3            | T1           | 45.53               |
|              | T2           | 18.51               |
|              | T3           | 44.03               |
| 4            | T1           | 50.25               |
|              | T2           | 82.12               |
|              | T3           | 47.50               |

**THE LANDINGS OF LAKE ZURICH**  
Recorded May 18, 1999  
as Document No. 4356979

**F.A.P. 337**

**COORDINATE TABLE**

| STATION    | OFFSET      | NORTH        | EAST         |
|------------|-------------|--------------|--------------|
| 10+181.921 | 43.500m Lt. | 614,143.0715 | 320,905.1190 |
| 10+181.950 | 20.000m Lt. | 614,119.5716 | 320,905.0724 |
| 10+237.872 | 20.000m Lt. | 614,119.3916 | 320,960.9940 |
| 10+237.896 | 15.247m Lt. | 614,114.6389 | 320,981.0030 |

**COORDINATE TABLE**

| STATION    | OFFSET      | NORTH        | EAST         |
|------------|-------------|--------------|--------------|
| 10+027.522 | €           | 614,100.0686 | 320,750.5804 |
| 10+037.165 | 81.369m Lt. | 614,181.4061 | 320,760.4856 |
| 10+037.257 | 63.369m Lt. | 614,163.4059 | 320,760.5195 |
| 10+037.320 | 50.920m Lt. | 614,150.9568 | 320,760.5430 |
| 10+037.427 | 29.940m Lt. | 614,129.9761 | 320,760.5825 |
| 10+039.832 | 15.222m Rt. | 614,084.8069 | 320,762.8415 |
| 10+042.660 | 23.000m Lt. | 614,123.0197 | 320,765.7928 |
| 10+045.622 | 81.412m Lt. | 614,181.4220 | 320,768.9426 |
| 10+045.626 | 63.412m Lt. | 614,163.4217 | 320,768.8885 |
| 10+046.652 | 15.024m Lt. | 614,115.0305 | 320,769.7595 |
| 10+150.000 | 23.000m Lt. | 614,122.6744 | 320,873.1322 |
| 10+168.921 | 43.500m Lt. | 614,143.1134 | 320,892.1191 |
| 10+168.949 | 20.726m Lt. | 614,120.3395 | 320,892.0738 |
| 10+175.000 | 20.000m Lt. | 614,119.5939 | 320,898.1224 |

**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
F.A.P. 337 (ILLINOIS ROUTE 22)

SECTION LAKE COUNTY  
PROJECT JOB NO. R-91-009-01  
STATION 10+027.522 TO STATION 10+250  
SCALE: 1:500/1"=12.7 SHEET 3 OF 26

**BUREAU OF LAND ACQUISITION**  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196

| BY | DATE | MADE | CHECKED | INKED | NO |
|----|------|------|---------|-------|----|
|    |      |      |         |       |    |

PART OF THE SW 1/4 OF SEC. 16 AND PART OF THE NW 1/4 OF SEC. 21, TWP. 43 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

| EXISTING R.O.W. RECORDED INFORMATION |              |                   |
|--------------------------------------|--------------|-------------------|
| Parcel                               | Document No. | Date Recorded     |
| 1EB0027                              | 1505635      | June 2, 1971      |
| 1EB0028                              | 1505635      | June 2, 1971      |
| 1EB0029                              | 1505635      | June 2, 1971      |
| 1EB0030                              | 1505635      | June 2, 1971      |
| ---                                  | 1505635      | June 2, 1971      |
| ---                                  | 4047637      | November 14, 1997 |

**LEGEND**

SECTION CORNER 16 15 QUARTER SECTION CORNER

SECTION LINE  
 QUARTER SECTION LINE  
 QUARTER, QUARTER SECTION LINE  
 PLATTED LOT LINE  
 PROPERTY (DEED) LINE

APL APPARENT PROPERTY LINE  
 CENTER LINE  
 EXISTING RIGHT OF WAY LINE  
 PROPOSED RIGHT OF WAY LINE  
 PROPOSED EASEMENT  
 MEASURED DIMENSION  
 COMPUTED DIMENSION  
 RECORD DATA U.S. FOOT  
 MEASURED DIMENSION U.S. FOOT

EXISTING BUILDING

Bearings are referenced to the Illinois State Plane Coordinate System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

SCALE: 1:250

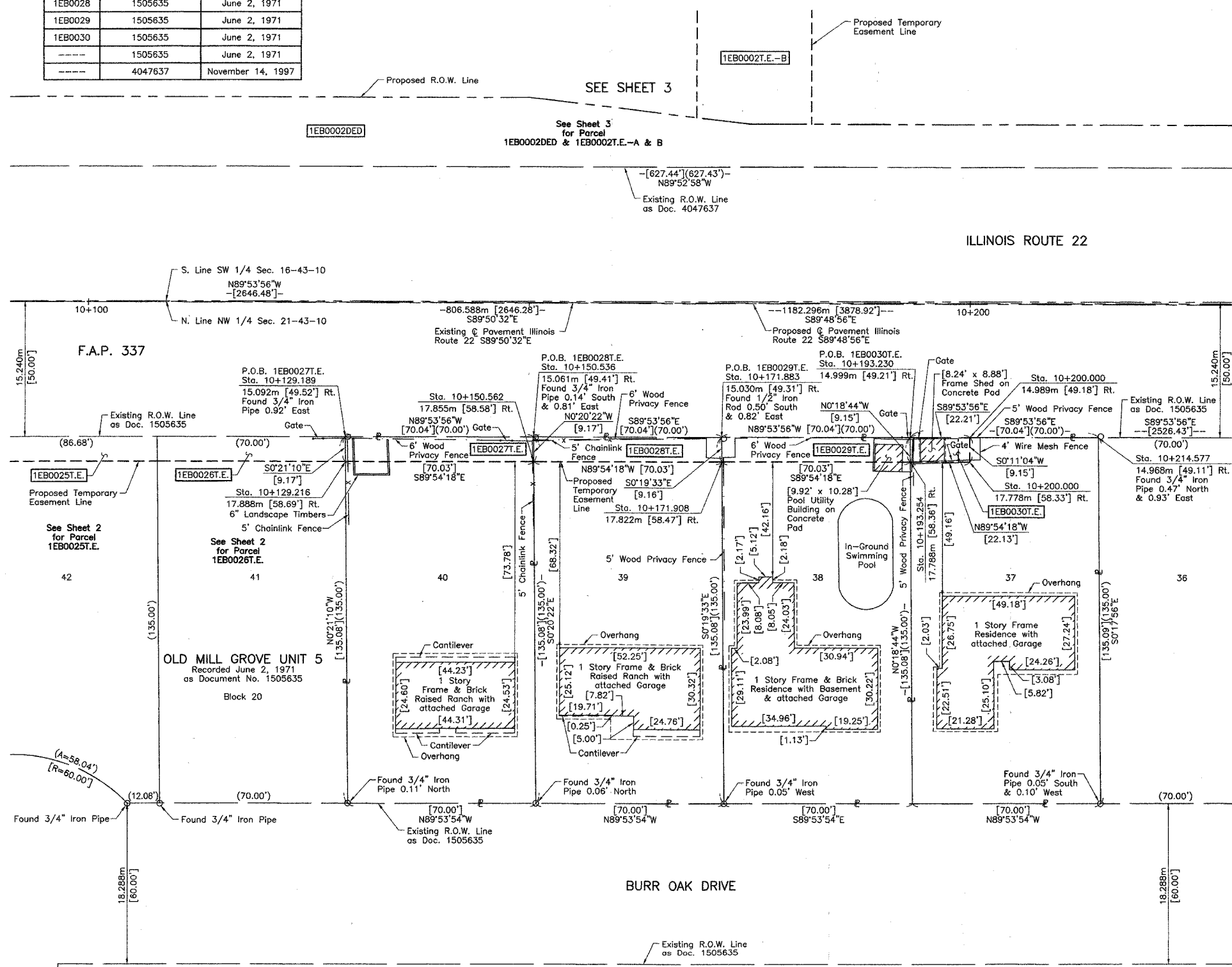
120.327m  
129.325m(Comp.)

0 5 10 0 6.35

SEE SHEET 3

SEE SHEET 2

SEE SHEET 3



- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS }  
 COUNTY OF LAKE }  
 THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 16, TOWNSHIP 43N., RANGE 10E. AND SECTION 21, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 26th DAY OF November 2022 A.D.

*Christian H. Jorgensen* PRESIDENT  
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797  
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2002

NOTE: COORDINATES ARE GROUND VALUES AND CAN BE CONVERTED TO GRID VALUES BY MULTIPLYING THE PUBLISHED GROUND COORDINATES BY AN AVERAGE COMBINED SCALE FACTOR OF 0.9999454, AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

| COORDINATE TABLE |             |              |              |
|------------------|-------------|--------------|--------------|
| STATION          | OFFSET      | NORTH        | EAST         |
| 10+129.189       | 15.092m Rt. | 614,084.6494 | 320,852.1991 |
| 10+129.216       | 17.888m Rt. | 614,081.8530 | 320,852.2164 |
| 10+150.536       | 15.061m Rt. | 614,084.6118 | 320,873.5459 |
| 10+150.562       | 17.855m Rt. | 614,081.8177 | 320,873.5625 |
| 10+171.883       | 15.030m Rt. | 614,084.5741 | 320,894.8927 |
| 10+171.908       | 17.822m Rt. | 614,081.7823 | 320,894.9086 |
| 10+193.230       | 14.999m Rt. | 614,084.5365 | 320,916.2395 |
| 10+193.254       | 17.788m Rt. | 614,081.7469 | 320,916.2547 |
| 10+200.000       | 14.989m Rt. | 614,084.5246 | 320,923.0097 |
| 10+200.000       | 17.778m Rt. | 614,081.7357 | 320,923.0008 |
| 10+214.577       | 14.968m Rt. | 614,084.4989 | 320,937.5863 |

JORGENSEN & ASSOCIATES, INC.  
 120 PARK AVENUE  
 LAKE VILLA, ILLINOIS 60046 SHEET 1 IS A COVER  
 (847) 356-3371 SHEET AND IS NOT RECORDED.

**PLAT OF HIGHWAYS**  
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
 F.A.P. 337 (ILLINOIS ROUTE 22)

SECTION LAKE COUNTY  
 PROJECT JOB NO. R-91-009-01  
 STATION 10+100 TO STATION 10+250  
 SCALE: 1:250/1"=6.35 SHEET 3A OF 26

**BUREAU OF LAND ACQUISITION**  
 201 WEST CENTER COURT  
 SCHAUMBURG, ILLINOIS 60196

| ROW      | DATE | BY | MADE | CHECKED | INKED | NO |
|----------|------|----|------|---------|-------|----|
| PLAT     |      |    |      |         |       |    |
| NOTEBOOK |      |    |      |         |       |    |

| PARCEL NUMBER | OWNER  | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA ACRES | EASEMENT AREA SQUARE FEET | EASEMENT PURPOSE | PERMANENT INDEX NUMBER | PROPERTY ACQUIRED BY |
|---------------|--|----------------------|------------------|-------------------------------|----------------------|---------------------|---------------------------|------------------|------------------------|----------------------|
| 1EB0027.E.    | David J. Wagner and Diane A. Wagner, his wife, not in Tenancy in Common, but in Joint Tenancy    | 0.217                | N/A              | N/A                           | 0.217                | 0.015               | N/A                       | Grading          | 14-21-101-013          |                      |
| 1EB0028.E.    | Jeff Jackson   | 0.217                | N/A              | N/A                           | 0.217                | 0.015               | N/A                       | Grading          | 14-21-101-014          |                      |
| 1EB0029.E.    | Tom Tischer and Sabina Tischer, husband and wife, not in Tenancy in Common, but in Joint Tenancy | 0.217                | N/A              | N/A                           | 0.217                | 0.015               | N/A                       | Grading          | 14-21-101-015          |                      |
| 1EB0030.E.    | Raymond J. Bogdan and Audrey J. Bogdan, his wife, as joint tenants                               | 0.217                | N/A              | N/A                           | 0.217                | 0.005               | 203                       | Grading          | 14-21-101-016          |                      |

May 1, 2003  
 REVISION DATE February 27, 2003

REVISION Ownership Parcel 1EB0030  
 Ownership Parcel 1EB0028

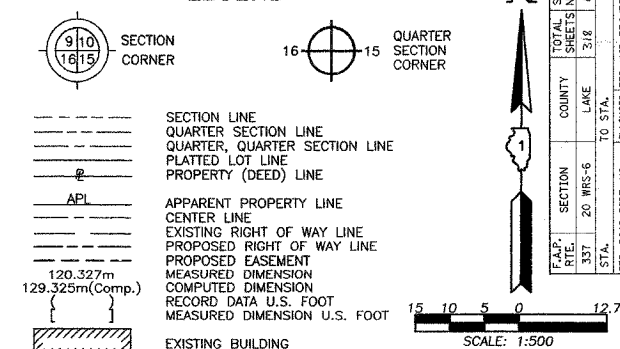
MADE BY

PART OF THE SW 1/4 OF SEC. 16 AND PART OF THE NW 1/4 OF SEC. 21, TWP. 43 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

| PARCEL NUMBER | OWNER  | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA ACRES | EASEMENT PURPOSE | PERMANENT INDEX NUMBER | PROPERTY ACQUIRED BY |
|---------------|--|----------------------|------------------|-------------------------------|----------------------|---------------------|------------------|------------------------|----------------------|
| 1EB0003DED    | Dycast, Inc., formerly known as DC Acquisition Corp., a Delaware Corporation | 5.193                | *0.224           | N/A                           | 5.193                | N/A                 | N/A              | 14-16-300-031          |                      |
| 1EB0004       | Main 330, LLC, an Illinois limited liability company                         | 4.112                | 0.404            | 0.205                         | 3.708                | N/A                 | N/A              | 14-16-300-015          |                      |

\* Area of Proposed Dedication

LEGEND



Bearings are referenced to the Illinois State Plane Coordinate System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

| Parcel  | Document No. | Date Recorded     |
|---------|--------------|-------------------|
| 1EB0003 | 97 ED 17     | *July 7, 1998     |
| -----   | 1505635      | June 2, 1971      |
| -----   | 4047637      | November 14, 1997 |

\* Date Filed

| Point Number | Tie to point | Tie Distance (feet) |
|--------------|--------------|---------------------|
| 1            | T1           | 34.88               |
|              | T2           | 16.25               |
|              | T3           | 31.45               |

| DATE | BY | MADE | CHECKED | INKED | NOTEBOOK NO. |
|------|----|------|---------|-------|--------------|
|      |    |      |         |       |              |



NOTE: COORDINATES ARE GROUND VALUES AND CAN BE CONVERTED TO GRID VALUES BY MULTIPLYING THE PUBLISHED GROUND COORDINATES BY AN AVERAGE COMBINED SCALE FACTOR OF 0.9999454, AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

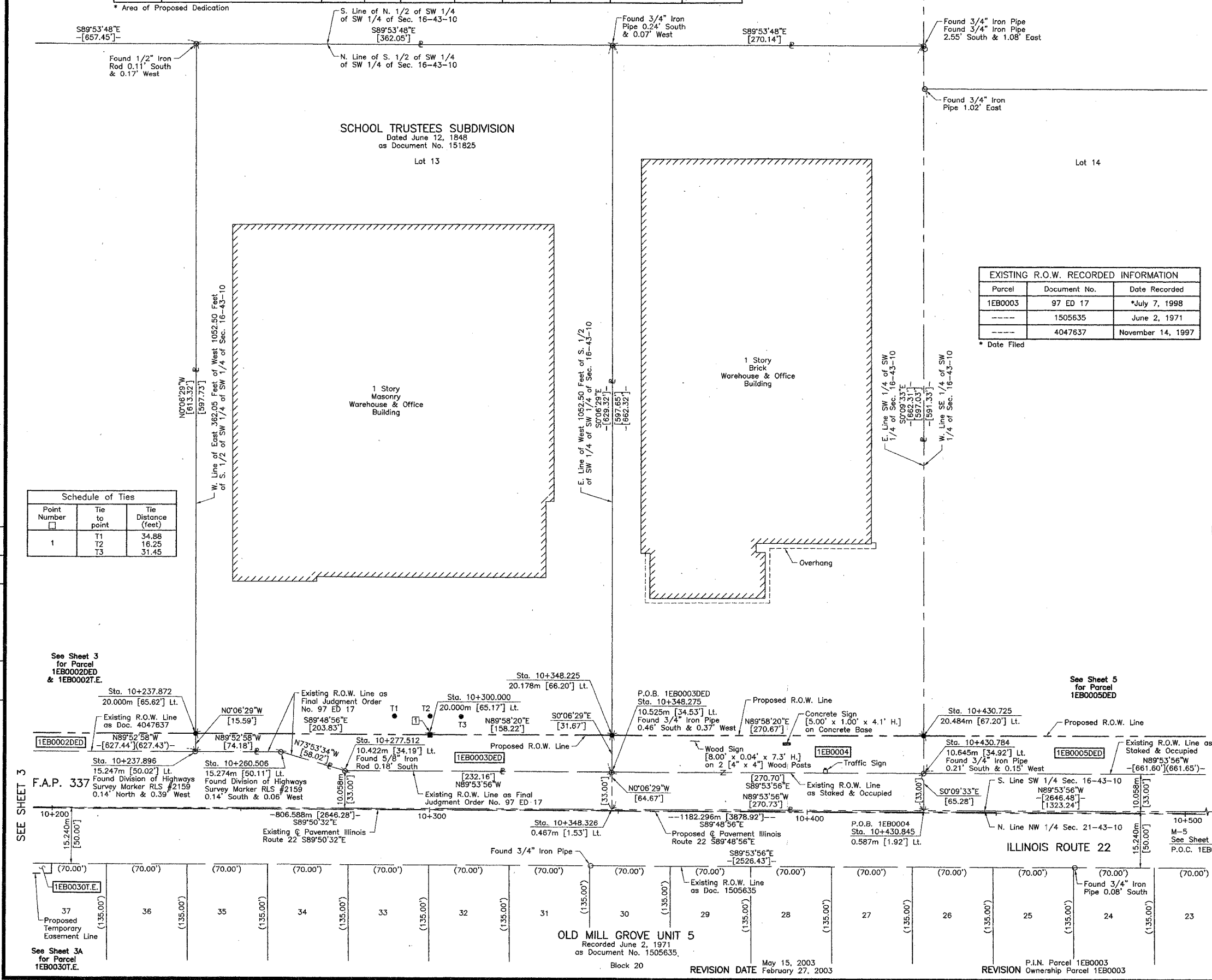
| STATION    | OFFSET      | NORTH        | EAST         |
|------------|-------------|--------------|--------------|
| 10+237.872 | 20.000m Lt. | 614,119.3916 | 320,960.9940 |
| 10+237.896 | 15.247m Lt. | 614,114.6389 | 320,961.0030 |
| 10+260.506 | 15.274m Lt. | 614,114.5926 | 320,983.6130 |
| 10+277.512 | 10.422m Lt. | 614,109.6863 | 321,000.6033 |
| 10+300.000 | 20.000m Lt. | 614,119.1917 | 321,023.1218 |
| 10+348.225 | 20.178m Lt. | 614,119.2150 | 321,071.3476 |
| 10+348.275 | 10.525m Lt. | 614,109.5616 | 321,071.3658 |
| 10+348.326 | 0.467m Lt.  | 614,099.5031 | 321,071.3847 |
| 10+430.725 | 20.484m Lt. | 614,119.2548 | 321,153.8481 |
| 10+430.784 | 10.645m Lt. | 614,109.4161 | 321,153.8755 |
| 10+430.845 | 0.587m Lt.  | 614,099.3576 | 321,153.9034 |

JORGENSEN & ASSOCIATES, INC.  
120 PARK AVENUE  
LAKE VILLA, ILLINOIS 60046  
(847) 356-3371

**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
F.A.P. 337 (ILLINOIS ROUTE 22)

SECTION LAKE COUNTY  
PROJECT JOB NO. R-91-009-01  
STATION 10+200 TO STATION 10+500  
SCALE: 1:500/1"=12.7 SHEET 4 OF 26

BUREAU OF LAND ACQUISITION  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196

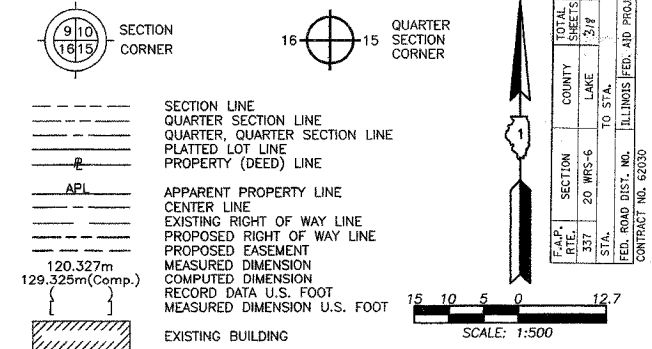


PART OF THE SW 1/4 OF SEC. 16 AND PART OF THE NW 1/4 OF SEC. 21, TWP. 43 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

| PARCEL NUMBER | OWNER                    | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA ACRES | EASEMENT PURPOSE | PERMANENT INDEX NUMBER | PROPERTY ACQUIRED BY |
|---------------|--------------------------|----------------------|------------------|-------------------------------|----------------------|---------------------|------------------|------------------------|----------------------|
| 1EB0005DED    | Kavo America Corporation | 8.979                | *0.502           | N/A                           | 8.979                | N/A                 | N/A              | 14-16-300-028          |                      |

\* Area of Proposed Dedication

LEGEND



- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

EXISTING R.O.W. RECORDED INFORMATION

| Parcel | Document No. | Date Recorded    |
|--------|--------------|------------------|
| ---    | 1505635      | June 2, 1971     |
| ---    | 1582331      | October 10, 1972 |

LAKE ZURICH BUSINESS CENTER  
Recorded June 9, 1987  
as Document No. 2576236

Schedule of Ties

| Point Number | Tie to point | Tie Distance (feet) |
|--------------|--------------|---------------------|
| 1            | T1           | 52.19               |
|              | T2           | 17.57               |
|              | T3           | 44.08               |

T1 & T2 to Point No. 1 are a Cross Cut (Set) in Concrete Curb.



THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 16, TOWNSHIP 43N., RANGE 10E. AND SECTION 21, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 25<sup>th</sup> DAY OF November 2002 A.D.

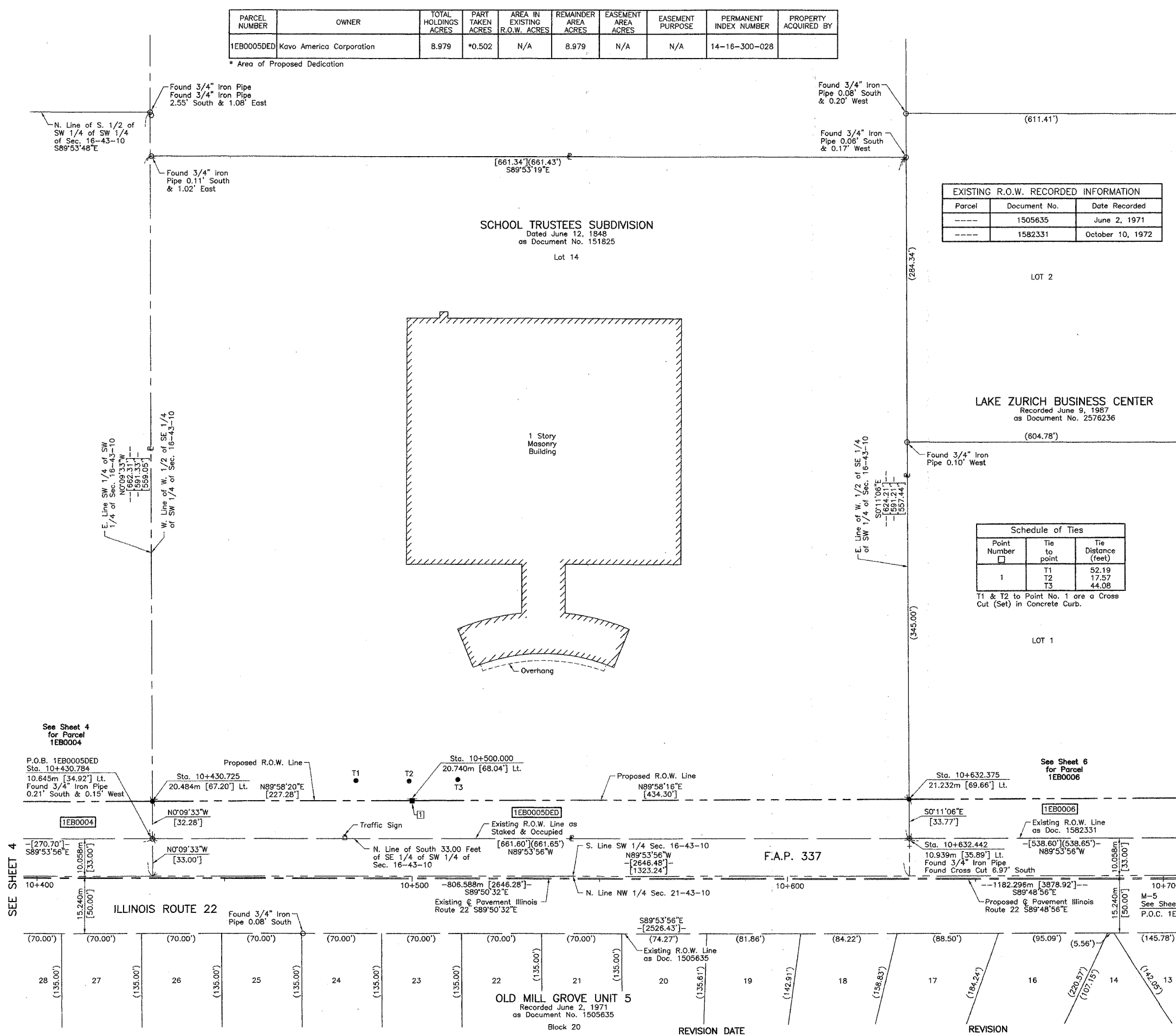
*Christian H. Jorgensen* PRESIDENT  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797  
LICENSE EXPIRATION DATE: NOVEMBER 30, 2002

NOTE: COORDINATES ARE GROUND VALUES AND CAN BE CONVERTED TO GRID VALUES BY MULTIPLYING THE PUBLISHED GROUND COORDINATES BY AN AVERAGE COMBINED SCALE FACTOR OF 0.9999454, AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

COORDINATE TABLE

| STATION    | OFFSET      | NORTH        | EAST         |
|------------|-------------|--------------|--------------|
| 10+430.725 | 20.484m Lt. | 614,119.2548 | 321,153.8481 |
| 10+430.784 | 10.645m Lt. | 614,109.4161 | 321,153.8755 |
| 10+500.000 | 20.740m Lt. | 614,119.2882 | 321,223.1231 |
| 10+632.375 | 21.232m Lt. | 614,119.3547 | 321,355.4992 |
| 10+632.442 | 10.939m Lt. | 614,109.0607 | 321,355.5325 |

| ROW PLAT | MADE | CHECKED | INKED | DATE |
|----------|------|---------|-------|------|
|          |      |         |       |      |



SEE SHEET 4

SEE SHEET 6

JORGENSEN & ASSOCIATES, INC.  
120 PARK AVENUE  
LAKE VILLA, ILLINOIS 60046  
(847) 356-3371

PLAT OF HIGHWAYS  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
F.A.P. 337 (ILLINOIS ROUTE 22)

SECTION LAKE COUNTY  
PROJECT JOB NO. R-91-009-01  
STATION 10+400 TO STATION 10+700  
SCALE: 1:500/1"=12.7' SHEET 5 OF 26

BUREAU OF LAND ACQUISITION  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196

| PARCEL NUMBER | OWNER  | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA ACRES | EASEMENT PURPOSE | PERMANENT INDEX NUMBER | PROPERTY ACQUIRED BY |
|---------------|--|----------------------|------------------|-------------------------------|----------------------|---------------------|------------------|------------------------|----------------------|
| 1E80006       | CWA Investment Company, L.L.C.,<br>an Illinois Limited Liability Company | 4.629                | 0.485            | N/A                           | 4.144                | N/A                 | N/A              | 14-16-301-002          |                      |

| Point Number | Tie to point   | Tie Distance (feet)     |
|--------------|----------------|-------------------------|
| 1            | T1<br>T2<br>T3 | 30.15<br>15.55<br>31.58 |
| 2            | T1<br>T2<br>T3 | 11.38<br>32.87<br>52.14 |
| 3            | T1<br>T2<br>T3 | 54.22<br>37.84<br>11.43 |

| Parcel  | Document No. | Date Recorded    |
|---------|--------------|------------------|
| 1E80006 | 1582331      | October 10, 1972 |
| 1E80006 | 2412779      | January 13, 1986 |
| ---     | 249453       | December 2, 1924 |
| ---     | 280128       | June 4, 1926     |
| ---     | 1479016      | October 28, 1970 |
| ---     | 1505635      | June 2, 1971     |
| ---     | 1582331      | October 10, 1972 |

All Ties to No. 1 are a Cross Cut (Set) in Concrete Curb.  
T1 & T2 to Point Nos. 2 & 3 are a Cross Cut (Set) in Concrete Curb.

**SCHOOL TRUSTEES SUBDIVISION**  
Dated June 12, 1848  
as Document No. 151825  
Lot 14

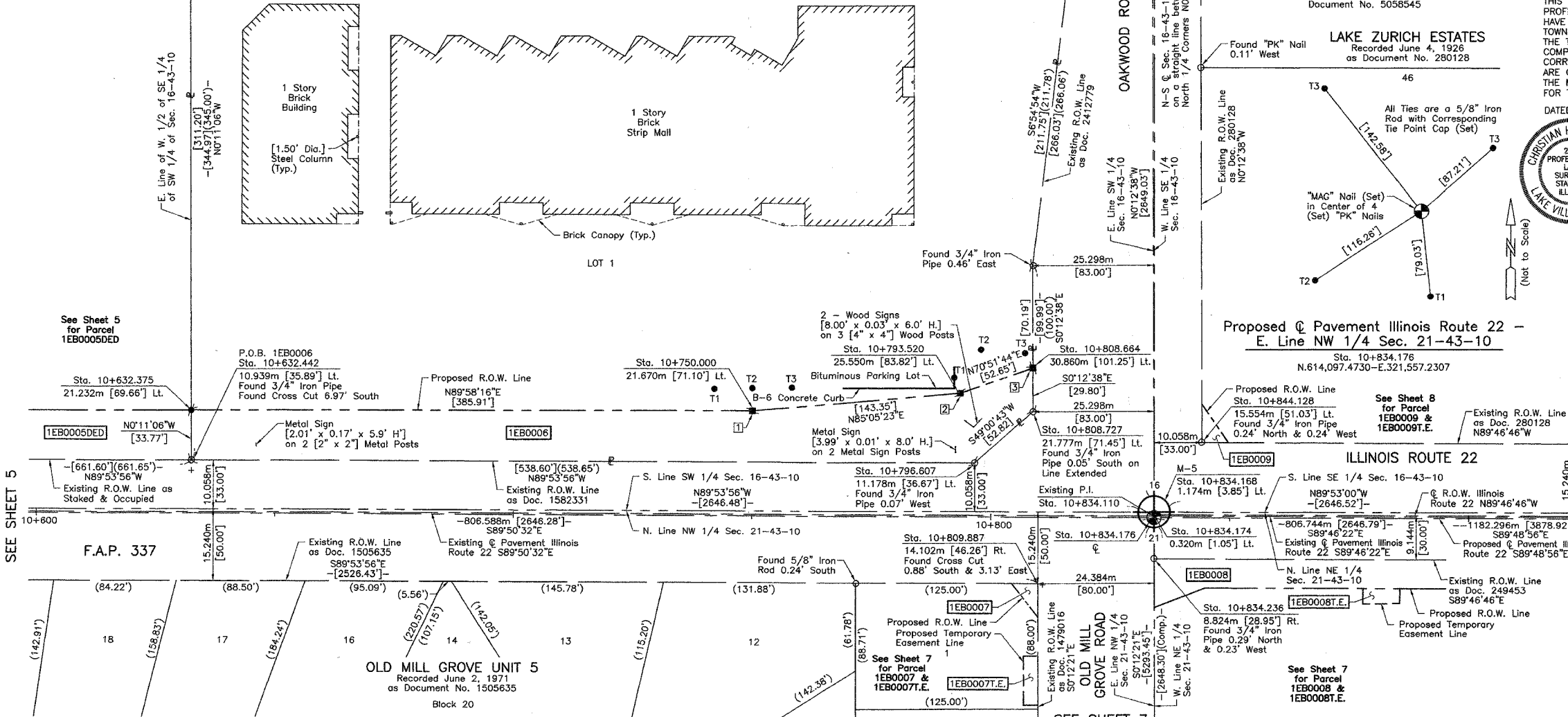
**"Monument Record"**  
South 1/4 Corner of Section 16-43-10  
N.614,098.6467-E.321,557.2264  
Recorded November 23, 2002  
Document No. 5058549

**LAKE ZURICH BUSINESS CENTER**  
Recorded June 9, 1987  
as Document No. 2576236

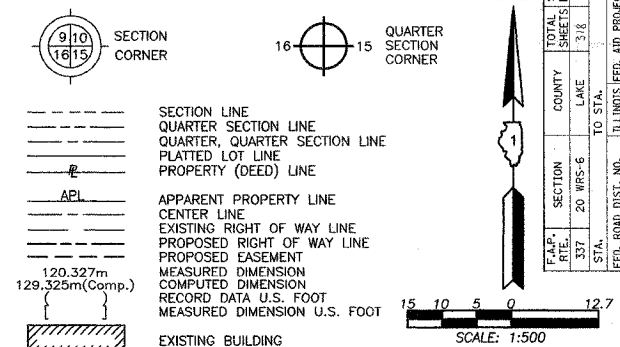
**"Monument Record"**  
Center of Section 16-43-10  
N.614,906.0670-E.321,554.2585  
Recorded November 23, 2002  
Document No. 5058549

**"Monument Record"**  
South 1/4 of Section 9-43-10  
N.615,713.5661-E.321,551.6048  
Recorded November 23, 2002  
Document No. 5058545

**LAKE ZURICH ESTATES**  
Recorded June 4, 1926  
as Document No. 280128



**LEGEND**



Bearings are referenced to the Illinois State Plane Coordinate System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- T1
- T2
- T3
- BT1
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS }  
COUNTY OF LAKE }

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 16, TOWNSHIP 43N., RANGE 10E. AND SECTION 21, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF. THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 25<sup>TH</sup> DAY OF November 20, 2002 A.D.



NOTE: COORDINATES ARE GROUND VALUES AND CAN BE CONVERTED TO GRID VALUES BY MULTIPLYING THE PUBLISHED GROUND COORDINATES BY AN AVERAGE COMBINED SCALE FACTOR OF 0.9999454, AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

| STATION    | OFFSET      | NORTH        | EAST         |
|------------|-------------|--------------|--------------|
| 10+632.375 | 21.232m Lt. | 614,119.3547 | 321,355.4992 |
| 10+632.442 | 10.939m Lt. | 614,109.0607 | 321,355.5325 |
| 10+750.000 | 21.670m Lt. | 614,119.4138 | 321,473.1248 |
| 10+793.520 | 25.550m Lt. | 614,123.1537 | 321,516.6571 |
| 10+796.607 | 11.178m Lt. | 614,108.7713 | 321,519.6982 |
| 10+808.664 | 30.860m Lt. | 614,128.4150 | 321,531.8184 |
| 10+808.727 | 21.777m Lt. | 614,119.3318 | 321,531.8518 |
| 10+809.887 | 14.102m Rt. | 614,083.4496 | 321,532.8969 |
| 10+834.174 | 0.320m Lt.  | 614,097.7933 | 321,557.2295 |
| 10+834.236 | 8.824m Rt.  | 614,088.6486 | 321,557.2624 |
| 10+844.128 | 15.554m Lt. | 614,112.9945 | 321,567.2322 |

JORGENSEN & ASSOCIATES, INC.  
120 PARK AVENUE  
LAKE VILLA, ILLINOIS 60046  
(847) 366-3371

**PLAT OF HIGHWAYS**  
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
F.A.P. 337 (ILLINOIS ROUTE 22)  
SECTION 10+600  
PROJECT LAKE COUNTY  
JOB NO. R-91-009-01  
STATION 10+600 TO STATION 10+900  
SCALE: 1:500/1"=12.7 SHEET 6 OF 26

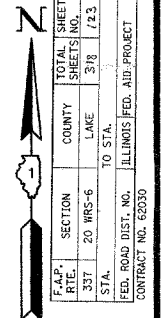
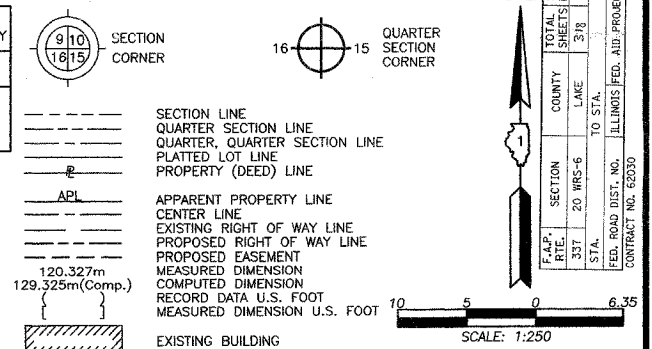
**BUREAU OF LAND ACQUISITION**  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196

LAKE ZURICH BUSINESS CENTER  
Recorded June 9, 1987  
as Document No. 2576236

SEE SHEET 6

| PARCEL NUMBER | OWNER  | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | SQUARE FEET | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA SQUARE FEET | EASEMENT PURPOSE | PERMANENT INDEX NUMBER | PROPERTY ACQUIRED BY |
|---------------|--|----------------------|------------------|-------------|-------------------------------|----------------------|---------------------------|------------------|------------------------|----------------------|
| 1EB0007       | Eddie Bailey and Teresa Bailey in joint tenancy  | 0.254                | 0.005            | 209         | N/A                           | 0.249                | 0.008                     | 339              | 14-21-101-047          |                      |
| 1EB0008       | Harris Bank Barrington, N.A., as Trustee under the provisions of a Trust Agreement, dated the 4th day of April, 1998 and known as Trust Number 11-5449 | 1.000                | 0.249            | N/A         | 0.151                         | 0.751                | 0.006                     | 264              | 14-21-200-001          |                      |

LEGEND



Bearings are referenced to the Illinois State Plane Coordinate System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

○ IRON PIPE OR ROD FOUND OR SET  
+ CUT CROSS FOUND OR SET  
● T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD PLUSH WITH GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.  
● T2 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.  
■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.  
■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK TYPICAL SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.  
● PERMANENT SURVEY MARKER, I.D.O.T. STD 2135 (TO BE SET BY OTHERS)  
□ RIGHT OF WAY STAKING PROPOSED TO BE SET

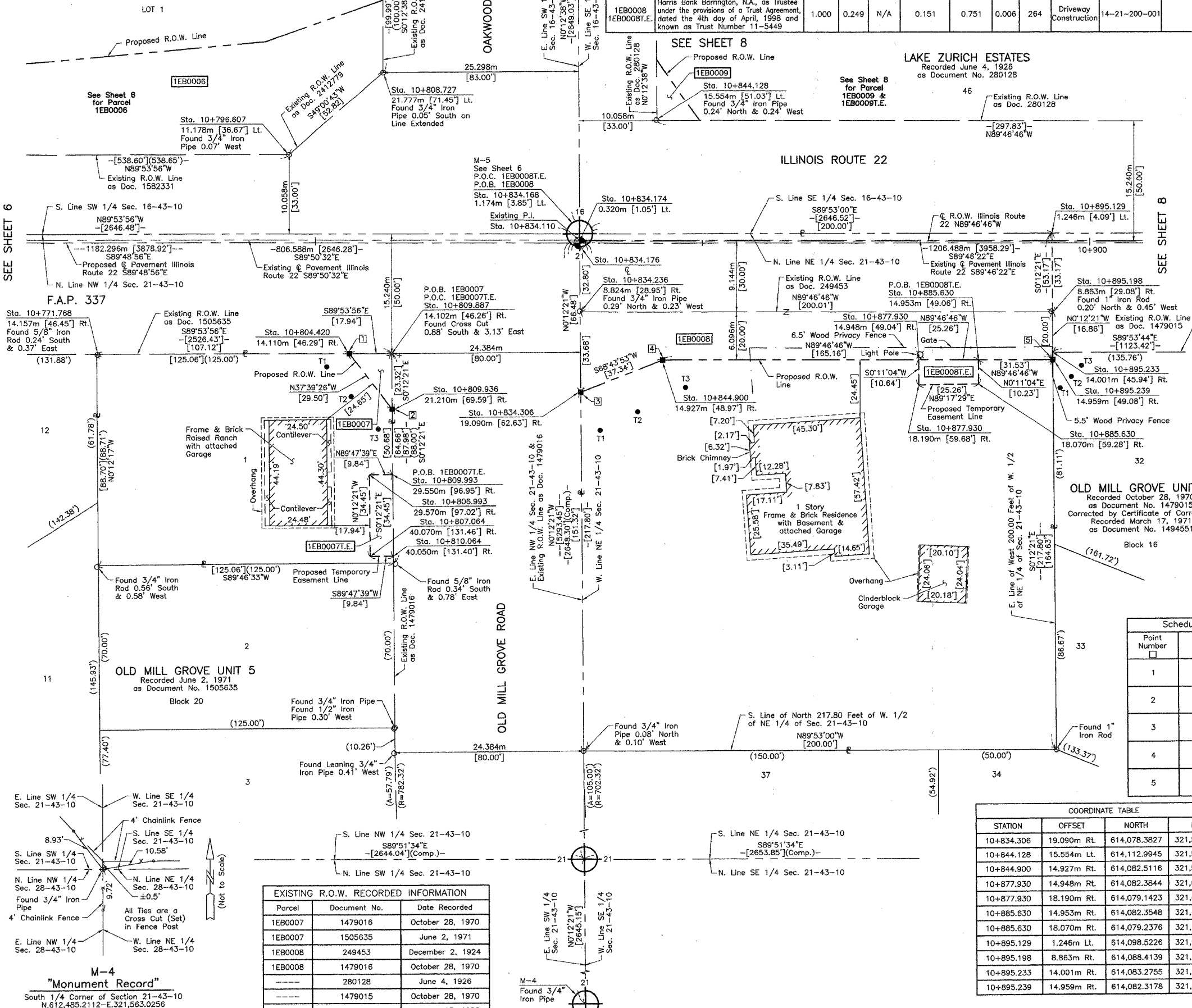
STATE OF ILLINOIS }  
COUNTY OF LAKE }SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 16, TOWNSHIP 43N, RANGE 10E AND SECTION 21, TOWNSHIP 43N, RANGE 10E, OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 25th DAY OF November 2002 A.D.

CHRISTIAN H. JORGENSEN  
PRESIDENT  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797  
LICENSE EXPIRATION DATE: NOVEMBER 30, 2002

NOTE: COORDINATES ARE GROUND VALUES AND CAN BE CONVERTED TO GRID VALUES BY MULTIPLYING THE PUBLISHED GROUND COORDINATES BY AN AVERAGE COMBINED SCALE FACTOR OF 0.9999454, AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.



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

Schedule of Ties

| Point Number | Tie to point | Tie Distance (feet) |
|--------------|--------------|---------------------|
| 1            | T1           | 11.09               |
|              | T2           | 18.02               |
|              | T3           | 33.93               |
| 2            | T1           | 32.88               |
|              | T2           | 18.13               |
|              | T3           | 10.25               |
| 3            | T1           | 17.93               |
|              | T2           | 25.41               |
|              | T3           | 44.45               |
| 4            | T1           | 39.74               |
|              | T2           | 24.22               |
|              | T3           | 15.08               |
| 5            | T1           | 12.24               |
|              | T2           | 10.58               |
|              | T3           | 12.32               |

COORDINATE TABLE

| STATION    | OFFSET      | NORTH        | EAST         |
|------------|-------------|--------------|--------------|
| 10+771.788 | 14.157m Rt. | 614,083.5167 | 321,494.7776 |
| 10+796.607 | 11.178m Lt. | 614,108.7713 | 321,519.6982 |
| 10+804.420 | 14.110m Rt. | 614,083.4592 | 321,527.4294 |
| 10+806.993 | 29.570m Rt. | 614,067.9902 | 321,529.9524 |
| 10+807.064 | 40.070m Rt. | 614,057.4903 | 321,529.9902 |
| 10+808.727 | 21.777m Lt. | 614,119.3318 | 321,531.8518 |
| 10+809.887 | 14.102m Rt. | 614,083.4496 | 321,532.8969 |
| 10+809.936 | 21.210m Rt. | 614,076.3411 | 321,532.9224 |
| 10+809.993 | 29.550m Rt. | 614,068.0010 | 321,532.9524 |
| 10+810.064 | 40.050m Rt. | 614,057.5010 | 321,532.9901 |
| 10+834.168 | 1.174m Lt.  | 614,098.6467 | 321,557.2264 |
| 10+834.174 | 0.320m Lt.  | 614,097.7933 | 321,557.2295 |
| 10+834.236 | 8.824m Rt.  | 614,088.6486 | 321,557.2307 |

COORDINATE TABLE

| STATION    | OFFSET      | NORTH        | EAST         |
|------------|-------------|--------------|--------------|
| 10+834.306 | 19.090m Rt. | 614,078.3827 | 321,557.2993 |
| 10+844.128 | 15.554m Lt. | 614,112.9945 | 321,567.2322 |
| 10+844.900 | 14.927m Rt. | 614,082.5118 | 321,567.9066 |
| 10+877.930 | 14.948m Rt. | 614,082.3844 | 321,600.9364 |
| 10+877.930 | 18.190m Rt. | 614,079.1423 | 321,600.9259 |
| 10+885.630 | 14.953m Rt. | 614,082.3548 | 321,608.6363 |
| 10+885.630 | 18.070m Rt. | 614,079.2376 | 321,608.6263 |
| 10+895.129 | 1.246m Lt.  | 614,098.5226 | 321,618.1874 |
| 10+895.198 | 8.863m Rt.  | 614,088.4139 | 321,618.2237 |
| 10+895.233 | 14.001m Rt. | 614,083.2755 | 321,618.2422 |
| 10+895.239 | 14.959m Rt. | 614,082.3178 | 321,618.2456 |

EXISTING R.O.W. RECORDED INFORMATION

| Parcel  | Document No. | Date Recorded    |
|---------|--------------|------------------|
| 1EB0007 | 1479016      | October 28, 1970 |
| 1EB0007 | 1505635      | June 2, 1971     |
| 1EB0008 | 249453       | December 2, 1924 |
| 1EB0008 | 1479016      | October 28, 1970 |
| -----   | 280128       | June 4, 1926     |
| -----   | 1479015      | October 28, 1970 |
| -----   | 2412779      | January 13, 1986 |

M-4  
"Monument Record"  
South 1/4 Corner of Section 21-43-10  
N.612.485.2112-E.321.563.0256  
Recorded November 23, 2002  
Document No. 5058552

JORGENSEN & ASSOCIATES, INC.  
120 PARK AVENUE  
LAKE VILLA, ILLINOIS 60046  
(847) 356-3371  
SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
F.A.P. 337 (ILLINOIS ROUTE 22)  
SECTION 16 LAKE COUNTY  
PROJECT JOB NO. R-91-009-01  
STATION 10+750 TO STATION 10+900  
SCALE: 1:250/1"=6.35 SHEET 7 OF 26

BUREAU OF LAND ACQUISITION  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196

PART OF THE S. 1/2 OF SEC. 16 AND PART OF THE N. 1/2 OF SEC. 21, TWP. 43 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

Schedule of Ties table with columns: Point Number, Tie to point, Tie Distance (feet)

Parcel Information table with columns: PARCEL NUMBER, OWNER, TOTAL HOLDINGS ACRES, PART TAKEN ACRES, AREA IN EXISTING R.O.W. ACRES, REMAINDER AREA ACRES, EASEMENT AREA ACRES, EASEMENT PURPOSE, PERMANENT INDEX NUMBER, PROPERTY ACQUIRED BY

LEGEND, SECTION CORNER, QUARTER SECTION CORNER, SCALE: 1:250, and various line styles for SECTION LINE, QUARTER SECTION LINE, etc.

LAKE ZURICH BUSINESS CENTER Recorded June 9, 1987 as Document No. 2576236

LAKE ZURICH ESTATES Recorded June 4, 1928 as Document No. 280128

COORDINATE TABLE with columns: STATION, OFFSET, NORTH, EAST

EXISTING R.O.W. RECORDED INFORMATION table with columns: Parcel, Document No., Date Recorded

- IRON PIPE OR ROD FOUND, CUT CROSS FOUND OR SET, THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, STAKING OF PROPOSED RIGHT OF WAY, STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, PERMANENT SURVEY MARKER, RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS, COUNTY OF LAKE, THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 16, TOWNSHIP 43N., RANGE 10E. AND SECTION 21, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.



DATED AT LAKE VILLA, ILLINOIS THIS 25th DAY OF November 2002 A.D. Christian H. Jorgensen, PRESIDENT, ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797 LICENSE EXPIRATION DATE: NOVEMBER 30, 2002

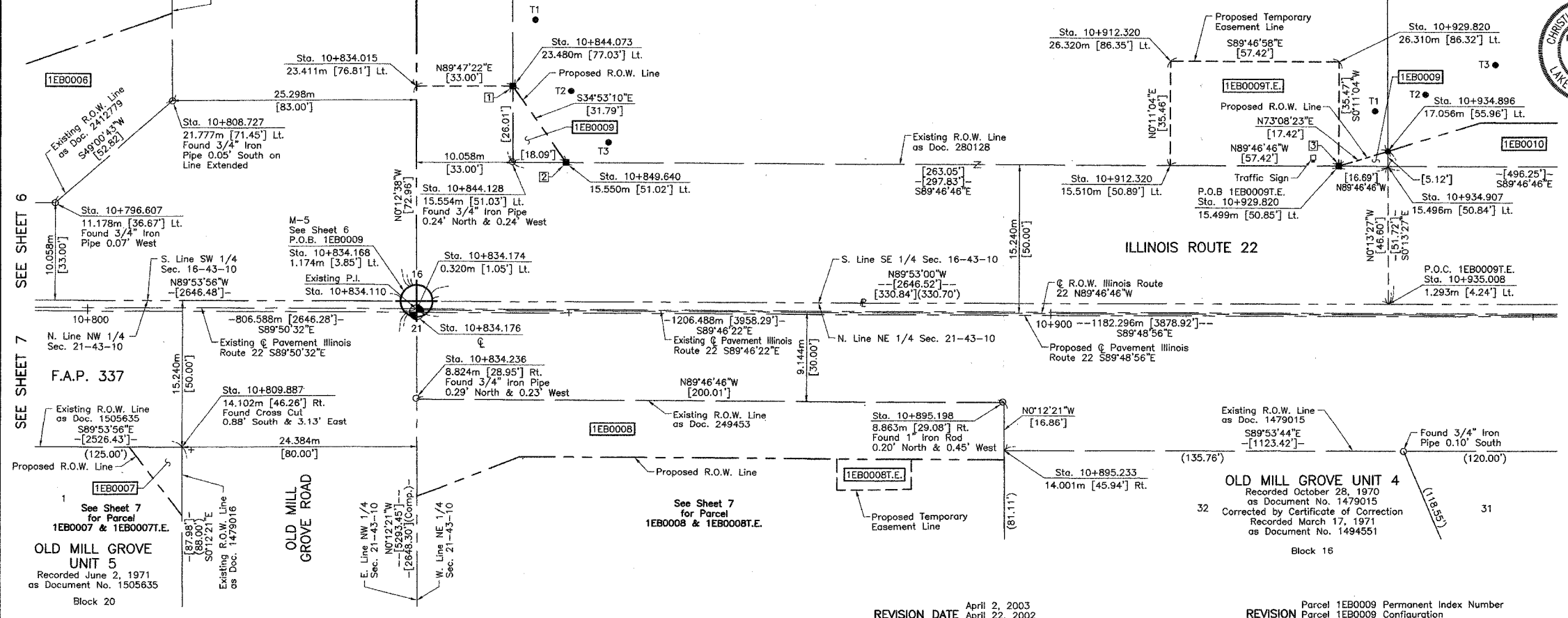
COORDINATE TABLE with columns: STATION, OFFSET, NORTH, EAST

JORGENSEN & ASSOCIATES, INC. 120 PARK AVENUE LAKE VILLA, ILLINOIS 60046 (847) 356-3371 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.P. 337 (ILLINOIS ROUTE 22) SECTION LAKE COUNTY PROJECT JOB NO. R-91-009-01 STATION 10+800 TO STATION 10+950 SCALE: 1:250/1"=6.35 SHEET 8 OF 26

BUREAU OF LAND ACQUISITION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196

Table with columns: BY, DATE, MADE, CHECKED, NOTEBOOK, NO.



REVISION DATE April 2, 2003 April 22, 2002

REVISION Parcel 1EB0009 Permanent Index Number Parcel 1EB0009 Configuration

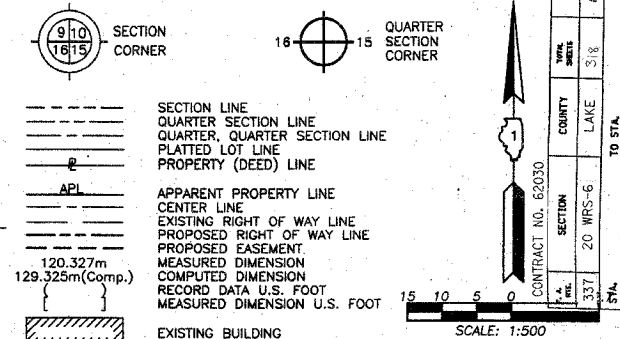
MADE BY



PART OF THE SE 1/4 OF SEC. 16 AND PART OF THE NE 1/4 OF SEC. 21, TWP. 43 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

| PARCEL NUMBER | OWNER  | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA ACRES | EASEMENT PURPOSE | PERMANENT INDEX NUMBER         | PROPERTY ACQUIRED BY |
|---------------|--|----------------------|------------------|-------------------------------|----------------------|---------------------|------------------|--------------------------------|----------------------|
| 1EB0010       | LaSalle Bank National Association formerly known as State Bank of Lake Zurich, as Trustee, under a Trust Agreement dated the 19th day of April, 1989 and known as Trust Number 89-0019 | 7.544                | 0.692            | 0.526                         | 6.852                | N/A                 | N/A              | 14-16-402-006<br>14-16-402-007 |                      |

LEGEND



EXISTING R.O.W. RECORDED INFORMATION

| Parcel  | Document No. | Date Recorded    |
|---------|--------------|------------------|
| 1EB0010 | 280128       | June 4, 1926     |
| ----    | 280128       | June 4, 1926     |
| ----    | 1479015      | October 28, 1970 |
| ----    | 4595721      | October 16, 2000 |

Schedule of Ties

| Point Number | Tie to point | Tie Distance (feet) |
|--------------|--------------|---------------------|
| 1            | T1           | 36.10               |
|              | T2           | 21.13               |
|              | T3           | 20.43               |
| 2            | T1           | 30.51               |
|              | T2           | 8.82                |
|              | T3           | 25.05               |
| 3            | T1           | 38.30               |
|              | T2           | 23.91               |
|              | T3           | 32.89               |

LAKE ZURICH ESTATES  
Recorded June 4, 1926  
as Document No. 280128

Proposed  $\odot$  Pavement  
Illinois Route 22  
Curve #23  
P.I. = Sta. 11+274.097  
 $\Delta$  = 3'40.53"  
R = 2000.109m [6562.02']  
T = 64.279m [210.89']  
L = 128.514m [421.63']  
E = 1.033m [3.39']  
P.C. = Sta. 11+209.818  
P.R.C. = Sta. 11+338.332

Bearings are referenced to the Illinois State Plane Coordinate System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

STATE OF ILLINOIS }  
COUNTY OF LAKE }SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, TOWNSHIP 43N., RANGE 10E. AND SECTION 21, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 25<sup>th</sup> DAY OF November 20 2022 A.D.

*Christian H. Jorgensen* PRESIDENT  
2797 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797  
LICENSE EXPIRATION DATE: NOVEMBER 30, 2002

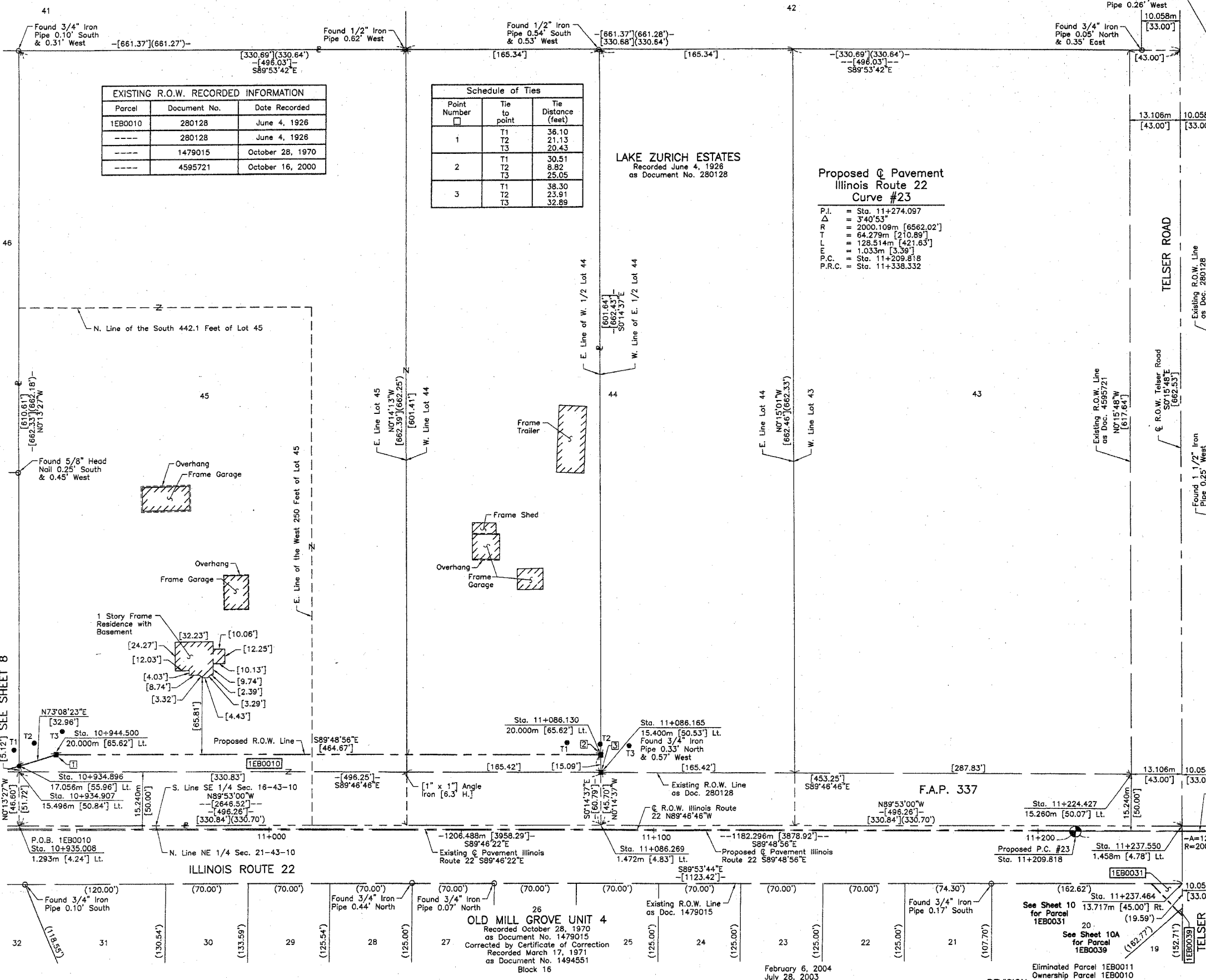
NOTE: COORDINATES ARE GROUND VALUES AND CAN BE CONVERTED TO GRID VALUES BY MULTIPLYING THE PUBLISHED GROUND COORDINATES BY AN AVERAGE COMBINED SCALE FACTOR OF 0.9999454, AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

COORDINATE TABLE

| STATION    | OFFSET      | NORTH        | EAST         |
|------------|-------------|--------------|--------------|
| 10+934.896 | 17.056m Lt. | 614,114.2044 | 321,658.0050 |
| 10+934.907 | 15.496m Lt. | 614,112.6450 | 321,658.0111 |
| 10+935.008 | 1.293m Lt.  | 614,098.4414 | 321,658.0667 |
| 10+944.500 | 20.000m Lt. | 614,117.1179 | 321,667.6185 |
| 11+086.130 | 20.000m Lt. | 614,116.6622 | 321,809.2482 |
| 11+086.165 | 15.400m Lt. | 614,112.0626 | 321,809.2678 |
| 11+086.269 | 1.472m Lt.  | 614,098.1334 | 321,809.3270 |
| 11+224.427 | 15.260m Lt. | 614,111.5309 | 321,947.4178 |
| 11+237.464 | 13.717m Rt. | 614,082.6504 | 321,960.6623 |
| 11+237.550 | 1.458m Lt.  | 614,097.8254 | 321,960.5873 |
| 11+247.435 | 15.539m Rt. | 614,080.9597 | 321,970.7292 |
| 11+247.767 | 14.940m Lt. | 614,111.4406 | 321,970.5833 |



| ROW PLAT | DATE |
|----------|------|
| MADE     |      |
| CHECKED  |      |
| LINKED   |      |
| NO       |      |



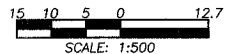
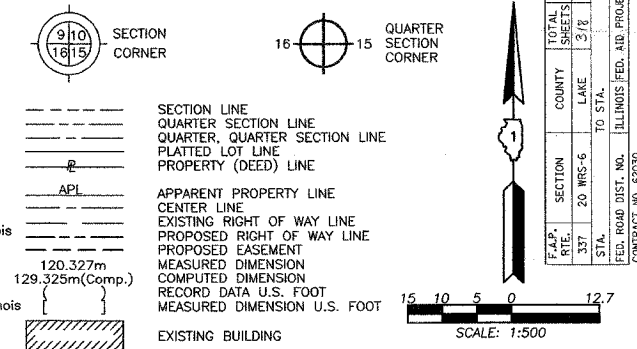
JORGENSEN & ASSOCIATES, INC.  
120 PARK AVENUE  
LAKE VILLA, ILLINOIS 60046  
(847) 356-3371

PLAT OF HIGHWAYS  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
F.A.P. 337 (ILLINOIS ROUTE 22)  
SECTION LAKE COUNTY  
PROJECT JOB NO. R-91-009-01  
STATION 10+950 TO STATION 11+250  
SCALE: 1:500/1"=12.7 SHEET 9 OF 26

BUREAU OF LAND ACQUISITION  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196

PART OF THE SE 1/4 OF SEC. 16 AND PART OF THE NE 1/4 OF SEC. 21, TWP. 43 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

LEGEND



Bearings are referenced to the Illinois State Plane Coordinate System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

○ IRON PIPE OR ROD FOUND    ⊕ "MAG" NAIL SET  
+ CUT CROSS FOUND OR SET    ● 5/8" REBAR SET

T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.  
T2  
T3

BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.  
BT2  
BT3

■ STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

● PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS }  
COUNTY OF LAKE }SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 16, TOWNSHIP 43N., RANGE 10E. AND SECTION 21, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 25<sup>th</sup> DAY OF November 2002 A.D.



NOTE: COORDINATES ARE GROUND VALUES AND CAN BE CONVERTED TO GRID VALUES BY MULTIPLYING THE PUBLISHED GROUND COORDINATES BY AN AVERAGE COMBINED SCALE FACTOR OF 0.9999454, AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

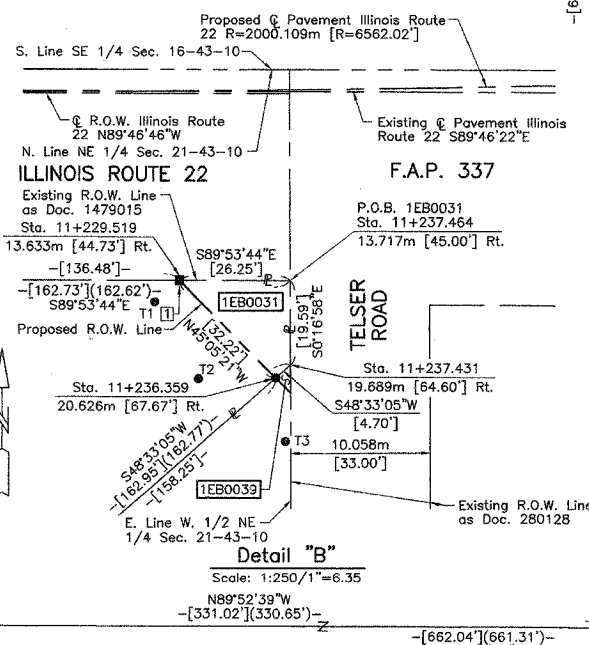
| STATION    | OFFSET      | NORTH        | EAST         |
|------------|-------------|--------------|--------------|
| 11+188.054 | 13.594m Rt. | 614,082.7410 | 321,911.0628 |
| 11+224.427 | 15.260m Lt. | 614,111.5309 | 321,947.4178 |
| 11+229.519 | 13.633m Rt. | 614,082.6650 | 321,952.6623 |
| 11+236.359 | 20.626m Rt. | 614,075.7305 | 321,959.6184 |
| 11+237.431 | 19.689m Rt. | 614,076.6784 | 321,960.6918 |
| 11+237.464 | 13.717m Rt. | 614,082.6504 | 321,960.6623 |
| 11+237.541 | 0.127m Rt.  | 614,096.2403 | 321,960.5952 |
| 11+237.550 | 1.458m Lt.  | 614,097.8254 | 321,960.5873 |
| 11+247.185 | 39.496m Rt. | 614,057.0019 | 321,970.8474 |
| 11+247.435 | 15.539m Rt. | 614,080.9597 | 321,970.7292 |
| 11+247.767 | 14.940m Lt. | 614,111.4406 | 321,970.5833 |
| 11+255.981 | 38.118m Rt. | 614,058.5380 | 321,979.7882 |
| 11+262.298 | 15.888m Rt. | 614,080.9006 | 321,985.7124 |

Proposed @ Pavement Illinois Route 22 Curve #23  
P.I. = Sta. 11+274.097  
Δ = 3°40'53"  
R = 2000.109m [6562.02']  
T = 64.279m [210.89']  
L = 128.514m [421.63']  
E.C. = 1.033m [3.39']  
P.C. = Sta. 11+209.818  
P.R.C. = Sta. 11+338.332

Proposed @ Pavement Illinois Route 22 Curve #24  
P.I. = Sta. 11+403.577  
Δ = 3°44'12"  
R = 2000.109m [6562.02']  
T = 65.245m [214.06']  
L = 130.444m [427.97']  
E.C. = 1.064m [3.49']  
P.C. = Sta. 11+338.332  
P.T. = Sta. 11+468.776

| STATION    | OFFSET      | NORTH        | EAST         |
|------------|-------------|--------------|--------------|
| 11+337.352 | 19.353m Rt. | 614,080.6013 | 322,061.5023 |
| 11+338.291 | 2.360m Rt.  | 614,097.6201 | 322,061.4123 |
| 11+340.060 | 49.610m Rt. | 614,050.5628 | 322,066.0171 |
| 11+342.000 | 19.650m Rt. | 614,080.5830 | 322,066.1330 |
| 11+395.400 | 52.320m Rt. | 614,050.3540 | 322,120.0129 |
| 11+396.510 | 22.324m Rt. | 614,080.3698 | 322,120.1352 |
| 11+395.884 | 39.358m Rt. | 614,063.3245 | 322,120.0658 |
| 11+403.255 | 39.590m Rt. | 614,063.3124 | 322,127.2952 |
| 11+411.370 | 22.797m Rt. | 614,080.3118 | 322,134.8350 |
| 11+439.184 | 23.388m Rt. | 614,080.2032 | 322,162.3343 |
| 11+439.270 | 6.177m Rt.  | 614,097.4148 | 322,162.2373 |

| Parcel  | Document No. | Date Recorded    |
|---------|--------------|------------------|
| 1EB0012 | 280128       | June 4, 1926     |
| 1EB0015 | 280128       | June 4, 1926     |
| 1EB0031 | 280128       | June 4, 1926     |
| 1EB0031 | 1479015      | October 28, 1970 |
| -----   | 280128       | June 4, 1926     |
| -----   | 1479015      | October 28, 1970 |
| -----   | 2552499      | April 6, 1987    |
| -----   | 4595721      | October 16, 2000 |



| PARCEL NUMBER          | OWNER   | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | SQUARE FEET | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA ACRES | EASEMENT PURPOSE      | PERMANENT INDEX NUMBER | PROPERTY ACQUIRED BY |
|------------------------|---|----------------------|------------------|-------------|-------------------------------|----------------------|---------------------|-----------------------|------------------------|----------------------|
| 1EB0012T.E.            | Ela Township, a body politic and corporate of the County of Lake, State of Illinois                     | 10.064               | N/A              | N/A         | N/A                           | 10.064               | 0.068               | Driveway Construction | 14-21-202-001          |                      |
| 1EB0015<br>1EB0015T.E. | Bank of Waukegan, as Trustee under Trust Agreement dated April 25, 1997 known as Trust Agreement 204197 | 5.031                | 0.827            | N/A         | 0.426                         | 4.204                | 0.046               | Driveway Construction | 14-21-202-002          |                      |
| 1EB0031                | Roberto Arreola-Canchola, married to Gloria Arreola   | 0.314                | 0.008            | 333         | N/A                           | 0.306                | N/A                 | N/A                   | 14-21-201-018          |                      |

| BY | DATE | MADE | CHECKED | LINKED | NO |
|----|------|------|---------|--------|----|
|    |      |      |         |        |    |
|    |      |      |         |        |    |
|    |      |      |         |        |    |
|    |      |      |         |        |    |
|    |      |      |         |        |    |

| Point Number | Tie to point | Tie Distance (feet) |
|--------------|--------------|---------------------|
| 1            | T1           | 7.62                |
|              | T2           | 23.35               |
|              | T3           | 45.51               |
| 2            | T1           | 4.99                |
|              | T2           | 5.26                |
|              | T3           | 6.98                |
| 3            | T1           | 15.67               |
|              | T2           | 11.19               |
|              | T3           | 12.83               |
| 4            | T1           | 17.16               |
|              | T2           | 12.57               |
|              | T3           | 18.92               |
| 5            | T1           | 53.24               |
|              | T2           | 43.16               |
|              | T3           | 53.28               |

T1, T2 & T3 to Point No. 4 are a "MAG" Nail (Set) in Bituminous Drive.

April 7, 2003  
REVISION DATE October 23, 2002  
April 23, 2002

West R.O.W. Line Telsler Road  
Revised Parcels 1EB0012T.E. & 1EB0015T.E., Created 1EB0031  
Parcel 1EB0015 Configuration

MADE BY

PLAT OF HIGHWAYS  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
F.A.P. 337 (ILLINOIS ROUTE 22)

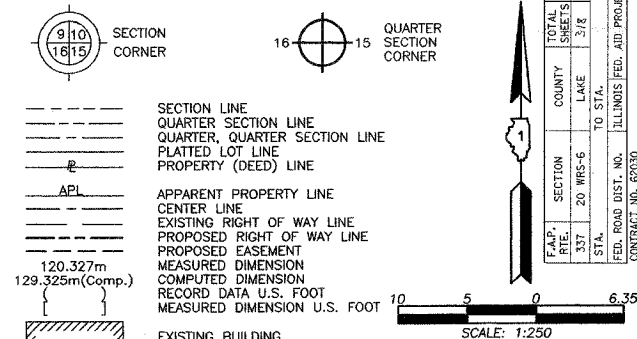
SECTION LAKE COUNTY  
PROJECT JOB NO. R-91-009-01  
STATION 11+200 TO STATION 11+450  
SCALE: 1:500/1"=12.7 SHEET 10 OF 26

BUREAU OF LAND ACQUISITION  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196

LAKE ZURICH ESTATES  
Recorded June 4, 1926  
as Document No. 280128

LAKE ZURICH ESTATES  
Recorded June 4, 1926  
as Document No. 280128

LEGEND



Bearings are referenced to the Illinois State Plane Coordinate System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS }  
COUNTY OF LAKE }SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 16, TOWNSHIP 43N., RANGE 10E. AND SECTION 21, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 22nd DAY OF November 2002.



Christian H. Jorgensen - PRESIDENT  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797  
LICENSE EXPIRATION/DATE: NOVEMBER 30, 2002

NOTE: COORDINATES ARE GROUND VALUES AND CAN BE CONVERTED TO GRID VALUES BY MULTIPLYING THE PUBLISHED GROUND COORDINATES BY AN AVERAGE COMBINED SCALE FACTOR OF 0.9999454, AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

| COORDINATE TABLE |             |              |              |
|------------------|-------------|--------------|--------------|
| STATION          | OFFSET      | NORTH        | EAST         |
| 11+224.427       | 15.260m Lt. | 614,111.5309 | 321,947.4178 |
| 11+236.359       | 20.626m Rt. | 614,075.7305 | 321,959.6184 |
| 11+237.420       | 21.717m Rt. | 614,074.6505 | 321,960.7018 |
| 11+237.431       | 19.689m Rt. | 614,076.6784 | 321,960.6918 |
| 11+237.464       | 13.717m Rt. | 614,082.6504 | 321,960.6623 |
| 11+237.541       | 0.127m Rt.  | 614,096.2403 | 321,960.5952 |
| 11+237.550       | 1.458m Lt.  | 614,097.8254 | 321,960.5873 |
| 11+247.435       | 15.539m Rt. | 614,080.9597 | 321,970.7292 |
| 11+247.767       | 14.940m Lt. | 614,111.4406 | 321,970.5833 |

Proposed Q Pavement  
Illinois Route 22  
Curve #23

|        |                        |
|--------|------------------------|
| P.I.   | = Sta. 11+274.097      |
| Δ      | = 3°40'53"             |
| R      | = 2000.109m [6562.02'] |
| T      | = 64.279m [210.89']    |
| L      | = 128.514m [421.63']   |
| E      | = 1.033m [3.39']       |
| P.C.   | = Sta. 11+209.818      |
| P.R.C. | = Sta. 11+338.332      |

| EXISTING R.O.W. RECORDED INFORMATION |              |                  |
|--------------------------------------|--------------|------------------|
| Parcel                               | Document No. | Date Recorded    |
| 1EB0039                              | 280128       | June 4, 1926     |
| 1EB0039                              | 1479015      | October 28, 1970 |
| -----                                | 280128       | June 4, 1926     |
| -----                                | 1479015      | October 28, 1970 |
| -----                                | 4595721      | October 16, 2000 |

| Schedule of Ties |              |                     |
|------------------|--------------|---------------------|
| Point Number     | Tie to point | Tie Distance (feet) |
| 1                | T1           | 38.74               |
|                  | T2           | 22.16               |
|                  | T3           | 11.69               |

| PARCEL NUMBER | OWNER  | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | SQUARE FEET | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA ACRES | EASEMENT PURPOSE | PERMANENT INDEX NUMBER | PROPERTY ACQUIRED BY |
|---------------|--|----------------------|------------------|-------------|-------------------------------|----------------------|---------------------|------------------|------------------------|----------------------|
| 1EB0039       | David C. Johnson and Rosemary J. Johnson, his wife, not in Tenancy in Common, but in Joint Tenancy | 0.268                | 0.001            | 12          | N/A                           | 0.267                | N/A                 | N/A              | 14-21-201-019          |                      |

JORGENSEN & ASSOCIATES, INC.  
120 PARK AVENUE  
LAKE VILLA, ILLINOIS 60046  
(847) 356-3371

SHEET 1 IS A COVER  
SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
F.A.P. 337 (ILLINOIS ROUTE 22)

SECTION 11+200  
PROJECT TO STATION 11+300  
SCALE: 1:250/1"=6.35 SHEET 10A OF 26

BUREAU OF LAND ACQUISITION  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196

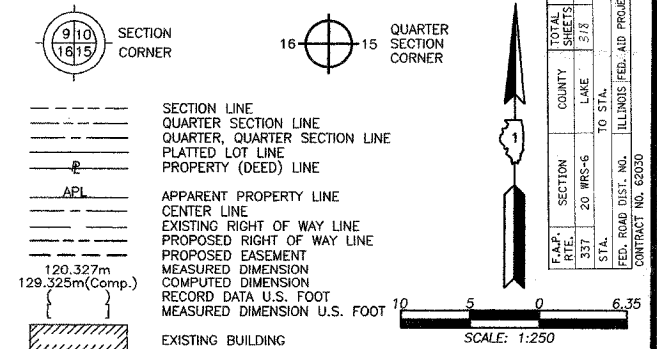
| ROW PLAT     | DATE | BY |
|--------------|------|----|
| MADE         |      |    |
| CHECKED      |      |    |
| LINKED       |      |    |
| NOTEBOOK NO. |      |    |

PART OF THE SE 1/4 OF SEC. 16 AND PART OF THE NE 1/4 OF SEC. 21, TWP. 43 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

| EXISTING R.O.W. RECORDED INFORMATION |              |                  |
|--------------------------------------|--------------|------------------|
| Parcel                               | Document No. | Date Recorded    |
| 1EB0013                              | 280128       | June 4, 1926     |
| ----                                 | 280128       | June 4, 1926     |
| ----                                 | 1479015      | October 28, 1970 |

| PARCEL NUMBER | OWNER  | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA ACRES | EASEMENT PURPOSE | PERMANENT INDEX NUMBER | PROPERTY ACQUIRED BY |
|---------------|--|----------------------|------------------|-------------------------------|----------------------|---------------------|------------------|------------------------|----------------------|
| 1EB0013       | Kenneth Dee Staples and Margaret L. Staples, husband and wife, not as Tenants in Common and not as Joint Tenants, but as Tenants by the Entirety | 2.012                | 0.524            | 0.356                         | 1.488                | N/A                 | N/A              | 14-16-403-005          |                      |

LEGEND



- O IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- M STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS }  
 COUNTY OF LAKE }  
 THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 16, TOWNSHIP 43N., RANGE 10E. AND SECTION 21, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.  
 DATED AT LAKE VILLA, ILLINOIS THIS 22nd DAY OF November 2002 A.D.

*Christ H. Jorgensen* PRESIDENT  
 2787 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS  
 LICENSE EXPIRATION DATE NOVEMBER 30, 2002  
 NOTE: COORDINATES ARE GROUND VALUES AND CAN BE CONVERTED TO GRID VALUES BY MULTIPLYING THE PUBLISHED GROUND COORDINATES BY AN AVERAGE COMBINED SCALE FACTOR OF 0.9999454, AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

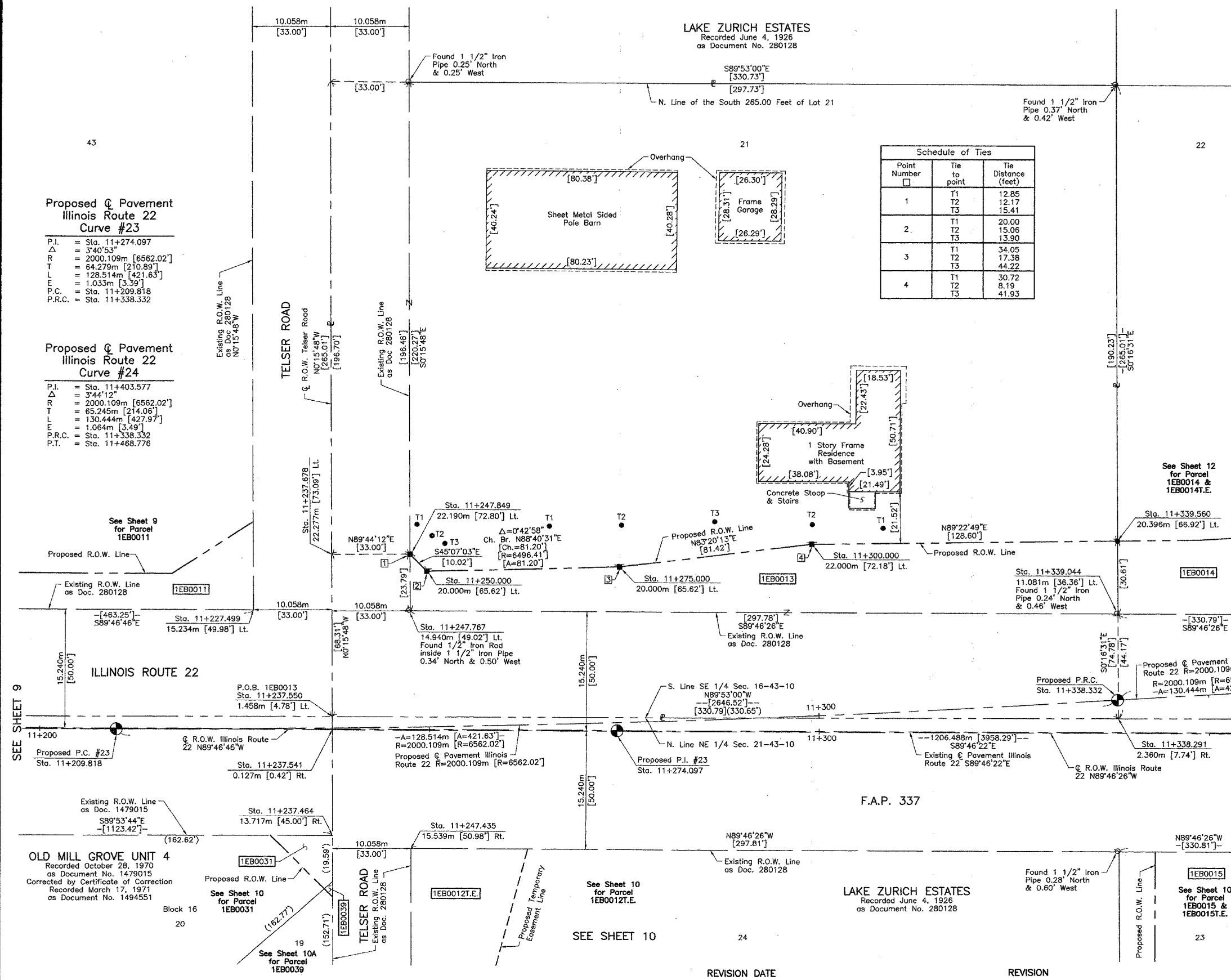
| COORDINATE TABLE |             |              |              |
|------------------|-------------|--------------|--------------|
| STATION          | OFFSET      | NORTH        | EAST         |
| 11+227.499       | 15.234m Lt. | 614,111.5190 | 321,950.4658 |
| 11+237.464       | 13.717m Rt. | 614,082.6504 | 321,960.6623 |
| 11+237.541       | 0.127m Rt.  | 614,096.2403 | 321,960.5952 |
| 11+237.550       | 1.458m Lt.  | 614,097.8254 | 321,960.5873 |
| 11+237.678       | 22.277m Lt. | 614,118.6445 | 321,960.4916 |
| 11+247.435       | 15.539m Rt. | 614,080.9597 | 321,970.7292 |
| 11+247.767       | 14.940m Lt. | 614,111.4406 | 321,970.5833 |
| 11+247.849       | 22.190m Lt. | 614,118.6908 | 321,970.5499 |
| 11+250.000       | 20.000m Lt. | 614,116.5358 | 321,972.7137 |
| 11+275.000       | 20.000m Lt. | 614,117.1080 | 321,997.4570 |
| 11+300.000       | 22.000m Lt. | 614,119.9877 | 322,022.1074 |
| 11+338.291       | 2.360m Rt.  | 614,097.6201 | 322,061.4123 |
| 11+339.044       | 11.081m Lt. | 614,111.0822 | 322,061.3476 |
| 11+339.560       | 20.396m Lt. | 614,120.4117 | 322,061.3028 |

JORGENSEN & ASSOCIATES, INC.  
 120 PARK AVENUE  
 LAKE VILLA, ILLINOIS 60046  
 (847) 356-3371

PLAT OF HIGHWAYS  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 F.A.P. 337 (ILLINOIS ROUTE 22)  
 SECTION LAKE COUNTY  
 PROJECT JOB NO. R-91-009-01  
 STATION 11+200 TO STATION 11+350  
 SCALE: 1:250/1"=6.35 SHEET 11 OF 26

BUREAU OF LAND ACQUISITION  
 201 WEST CENTER COURT  
 SCHAUMBURG, ILLINOIS 60196

| BY | DATE |
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| Schedule of Ties |              |                     |
|------------------|--------------|---------------------|
| Point Number     | Tie to point | Tie Distance (feet) |
| 1                | T1           | 12.85               |
|                  | T2           | 12.17               |
|                  | T3           | 15.41               |
| 2                | T1           | 20.00               |
|                  | T2           | 15.06               |
|                  | T3           | 13.90               |
| 3                | T1           | 34.05               |
|                  | T2           | 17.38               |
|                  | T3           | 44.22               |
| 4                | T1           | 30.72               |
|                  | T2           | 8.19                |
|                  | T3           | 41.93               |

PART OF THE SE 1/4 OF SEC. 16 AND PART OF THE NE 1/4 OF SEC. 21, TWP. 43 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

LAKE ZURICH ESTATES  
Recorded June 4, 1926  
as Document No. 280128

LAKE ZURICH ESTATES  
Recorded June 4, 1926  
as Document No. 280128

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA U.S. FOOT
- MEASURED DIMENSION U.S. FOOT
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- T1 T2 T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 BT2 BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS }  
COUNTY OF LAKE }  
THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 16, TOWNSHIP 43N., RANGE 10E. AND SECTION 21, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.  
DATED AT LAKE VILLA, ILLINOIS THIS 22nd DAY OF November 2002 A.D.

CHRISTIAN H. JORGENSEN  
2797 PROFESSIONAL LAND SURVEYOR  
STATE OF ILLINOIS  
LAKE VILLA, ILLINOIS  
PRESIDENT  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797  
LICENSE EXPIRATION DATE: NOVEMBER 30, 2002  
NOTE: COORDINATES ARE GROUND VALUES AND CAN BE CONVERTED TO GRID VALUES BY MULTIPLYING THE PUBLISHED GROUND COORDINATES BY AN AVERAGE COMBINED SCALE FACTOR OF 0.9999454, AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

EXISTING R.O.W. RECORDED INFORMATION

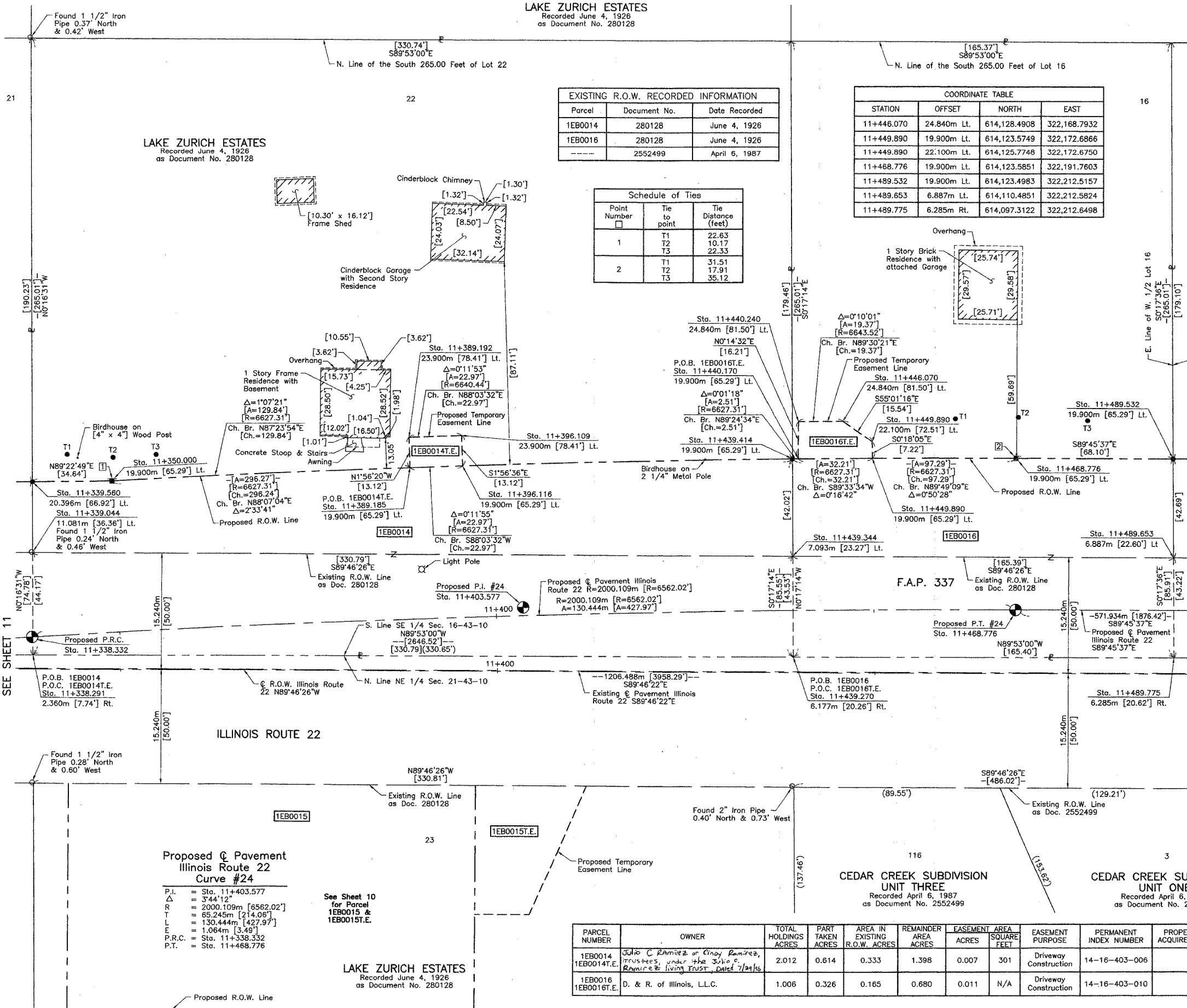
| Parcel  | Document No. | Date Recorded |
|---------|--------------|---------------|
| 1EB0014 | 280128       | June 4, 1926  |
| 1EB0016 | 280128       | June 4, 1926  |
| ---     | 2552499      | April 6, 1987 |

COORDINATE TABLE

| STATION    | OFFSET      | NORTH        | EAST         |
|------------|-------------|--------------|--------------|
| 11+446.070 | 24.840m Lt. | 614,128.4908 | 322,168.7932 |
| 11+449.890 | 19.900m Lt. | 614,123.5749 | 322,172.6866 |
| 11+449.890 | 22.100m Lt. | 614,125.7748 | 322,172.6750 |
| 11+468.776 | 19.900m Lt. | 614,123.5851 | 322,191.7603 |
| 11+489.532 | 19.900m Lt. | 614,123.4983 | 322,212.5157 |
| 11+489.653 | 6.887m Lt.  | 614,110.4851 | 322,212.5824 |
| 11+489.775 | 6.285m Rt.  | 614,097.3122 | 322,212.6498 |

Schedule of Ties

| Point Number | Tie to point   | Tie Distance (feet)     |
|--------------|----------------|-------------------------|
| 1            | T1<br>T2<br>T3 | 22.63<br>10.17<br>22.33 |
| 2            | T1<br>T2<br>T3 | 31.51<br>17.91<br>35.12 |



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

COORDINATE TABLE

| STATION    | OFFSET      | NORTH        | EAST         |
|------------|-------------|--------------|--------------|
| 11+338.291 | 2.360m Rt.  | 614,097.6201 | 322,061.4123 |
| 11+339.044 | 11.081m Lt. | 614,111.0822 | 322,061.3476 |
| 11+339.560 | 20.396m Lt. | 614,120.4117 | 322,061.3028 |
| 11+350.000 | 19.900m Lt. | 614,120.5258 | 322,071.8593 |
| 11+389.185 | 19.900m Lt. | 614,122.3221 | 322,111.3928 |
| 11+389.192 | 23.900m Lt. | 614,126.3199 | 322,111.2574 |
| 11+396.109 | 23.900m Lt. | 614,126.5570 | 322,118.2531 |
| 11+396.116 | 19.900m Lt. | 614,122.5592 | 322,118.3887 |
| 11+439.270 | 6.177m Rt.  | 614,097.4148 | 322,162.2373 |
| 11+439.344 | 7.093m Lt.  | 614,110.6841 | 322,162.1708 |
| 11+439.414 | 19.900m Lt. | 614,123.4915 | 322,162.1065 |
| 11+440.170 | 19.900m Lt. | 614,123.4994 | 322,162.8702 |
| 11+440.240 | 24.840m Lt. | 614,128.4398 | 322,162.8911 |

Proposed Pavement Illinois Route 22 Curve #24  
P.I. = Sta. 11+403.577  
Δ = 3°44'12"  
R = 2000.109m [6562.02']  
T = 85.245m [279.68']  
L = 130.444m [427.97']  
E = 1.064m [3.49']  
P.R.C. = Sta. 11+338.332  
P.T. = Sta. 11+468.776

| PARCEL NUMBER          | OWNER   | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA SQUARE FEET | EASEMENT PURPOSE | PERMANENT INDEX NUMBER | PROPERTY ACQUIRED BY  |
|------------------------|---|----------------------|------------------|-------------------------------|----------------------|---------------------------|------------------|------------------------|-----------------------|
| 1EB0014<br>1EB0014T.E. | Julio C Ramirez or Cindy Ramirez, Trustees, under the Julio Ramirez Living Trust, dated 7/28/02 | 2.012                | 0.614            | 0.333                         | 1.398                | 0.007                     | 301              | 14-16-403-006          | Driveway Construction |
| 1EB0016<br>1EB0016T.E. | D. & R. of Illinois, L.L.C.   | 1.006                | 0.326            | 0.165                         | 0.680                | 0.011                     | N/A              | 14-16-403-010          | Driveway Construction |

JORGENSEN & ASSOCIATES, INC.  
120 PARK AVENUE LAKE VILLA, ILLINOIS 60046  
(847) 356-3371  
SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
F.A.P. 337 (ILLINOIS ROUTE 22)  
SECTION 16 LAKE COUNTY  
PROJECT JOB NO. R-91-009-01  
STATION 11+300 TO STATION 11+500  
SCALE: 1:250/1"=6.35 SHEET 12 OF 26

BUREAU OF LAND ACQUISITION  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196  
AS DOCUMENT NO.

REVISION DATE October 24, 2002

REVISION Added Parcel 1EB0014T.E.

MADE BY

PART OF THE SE 1/4 OF SEC. 16 AND PART OF THE NE 1/4 OF SEC. 21, TWP. 43 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

Schedule of Ties

| Point Number | Tie to point | Tie Distance (feet) |
|--------------|--------------|---------------------|
| 1            | T1           | 8.25                |
|              | T2           | 11.95               |
|              | T3           | 14.27               |

EXISTING R.O.W. RECORDED INFORMATION

| Parcel  | Document No. | Date Recorded |
|---------|--------------|---------------|
| 1EB0017 | 280128       | June 4, 1926  |
| 1EB0018 | 280128       | June 4, 1926  |
| ---     | 280128       | June 4, 1926  |
| ---     | 2552499      | April 6, 1987 |

| PARCEL NUMBER | OWNER   | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA ACRES | EASEMENT PURPOSE | PERMANENT INDEX NUMBER         | PROPERTY ACQUIRED BY |
|---------------|---|----------------------|------------------|-------------------------------|----------------------|---------------------|------------------|--------------------------------|----------------------|
| 1EB0017       | Andrew B. Cox and Geri A. Cox, his wife, as joint tenants | 1.920                | 0.620            | 0.311                         | 1.300                | N/A                 | N/A              | 14-16-403-008<br>14-16-403-011 |                      |
| 1EB0018       | Robert A. Mussen, a bachelor                              | 1.099                | 0.353            | 0.208                         | 0.746                | N/A                 | N/A              | 14-16-403-009                  |                      |

**LEGEND**

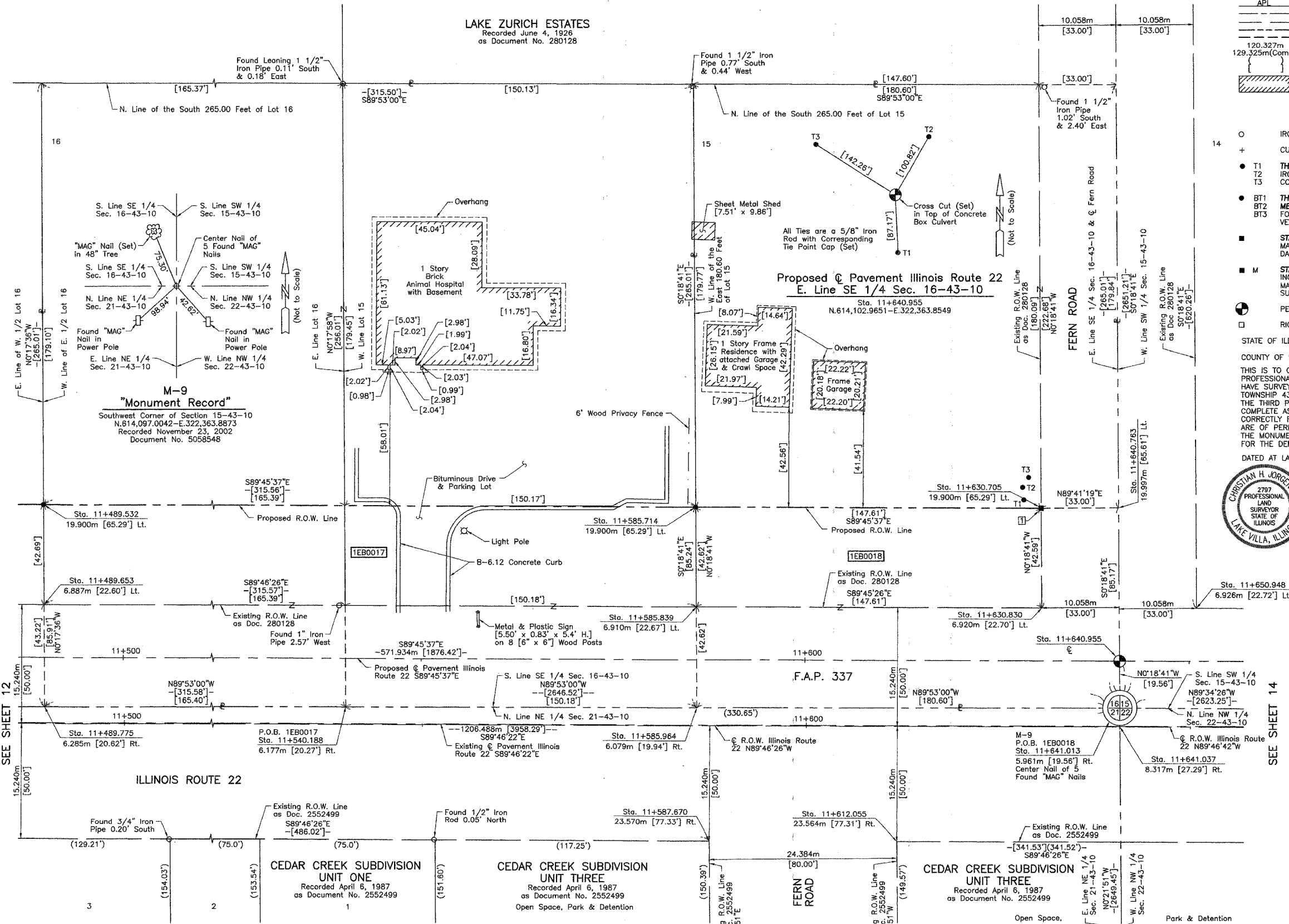
- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA U.S. FOOT
- MEASURED DIMENSION U.S. FOOT

Scale: 1:250

Bearings are referenced to the Illinois State Plane Coordinate System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

**LAKE ZURICH ESTATES**  
Recorded June 4, 1926  
as Document No. 280128



THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 16, TOWNSHIP 43N., RANGE 10E. AND SECTION 21, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 25<sup>th</sup> DAY OF November 2002 A.D.

Christian H. Jorgensen, PRESIDENT  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797  
LICENSE EXPIRATION DATE: NOVEMBER 30, 2002

NOTE: COORDINATES ARE GROUND VALUES AND CAN BE CONVERTED TO GRID VALUES BY MULTIPLYING THE PUBLISHED GROUND COORDINATES BY AN AVERAGE COMBINED SCALE FACTOR OF 0.9999454, AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

COORDINATE TABLE

| STATION    | OFFSET      | NORTH        | EAST         |
|------------|-------------|--------------|--------------|
| 11+489.532 | 19.900m Lt. | 614,123.4983 | 322,212.5157 |
| 11+489.653 | 6.887m Lt.  | 614,110.4851 | 322,212.5824 |
| 11+489.775 | 6.285m Rt.  | 614,097.3122 | 322,212.6498 |
| 11+540.188 | 6.177m Rt.  | 614,097.2095 | 322,263.0623 |
| 11+585.714 | 19.900m Lt. | 614,123.0960 | 322,308.6977 |
| 11+585.839 | 6.910m Lt.  | 614,110.1053 | 322,308.7683 |
| 11+585.964 | 6.079m Rt.  | 614,097.1163 | 322,308.8389 |
| 11+587.670 | 23.570m Rt. | 614,079.6183 | 322,310.4710 |
| 11+612.055 | 23.564m Rt. | 614,079.5220 | 322,334.8562 |
| 11+630.705 | 19.900m Lt. | 614,122.9078 | 322,353.6880 |
| 11+630.830 | 6.920m Lt.  | 614,109.9276 | 322,353.7585 |
| 11+641.037 | 8.317m Rt.  | 614,094.6481 | 322,363.9023 |
| 11+650.948 | 6.926m Lt.  | 614,109.8490 | 322,373.8761 |

JORGENSEN & ASSOCIATES, INC.  
120 PARK AVENUE  
LAKE VILLA, ILLINOIS 60046  
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

**PLAT OF HIGHWAYS**  
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
F.A.P. 337 (ILLINOIS ROUTE 22)

SECTION 16 LAKE COUNTY  
PROJECT JOB NO. R-91-009-01  
STATION 11+450 TO STATION 11+650  
SCALE: 1:250/1"=6.35 SHEET 13 OF 26

**BUREAU OF LAND ACQUISITION**  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196

| DATE | BY | MADE | CHECKED | INKED | NO. |
|------|----|------|---------|-------|-----|
|      |    |      |         |       |     |

PART OF THE SW 1/4 OF SEC. 15, PART OF THE SE 1/4 OF SEC. 16, PART OF THE NE 1/4 OF SEC. 21 AND PART OF THE NW 1/4 OF SEC. 22, TWP. 43 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

**LEGEND**

SECTION CORNER  
QUARTER SECTION CORNER

SECTION LINE  
QUARTER SECTION LINE  
PROPOSED RIGHT OF WAY LINE  
PROPERTY (DEED) LINE

APL  
APPARENT PROPERTY LINE  
CENTER LINE  
EXISTING RIGHT OF WAY LINE  
PROPOSED EASEMENT  
MEASURED DIMENSION  
COMPUTED DIMENSION  
RECORD DATA U.S. FOOT  
MEASURED DIMENSION U.S. FOOT

EXISTING BUILDING

Bearings are referenced to the Illinois State Plane Coordinate System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

IRON PIPE OR ROD FOUND  
CUT CROSS FOUND OR SET  
THESE STAKES REFERRED TO SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.  
THESE STAKES, IN CULTIVATED AREAS, REFERRED TO SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.  
STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.  
STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.  
PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)  
RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS }  
COUNTY OF LAKE }

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 15, TOWNSHIP 43N., RANGE 10E. AND SECTION 22, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.  
DATED AT LAKE VILLA, ILLINOIS THIS 25th DAY OF November 2002 A.D.

CHRISTIAN H. JORGENSEN  
2797 PROFESSIONAL LAND SURVEYOR  
STATE OF ILLINOIS  
LAKE VILLA, ILLINOIS  
PRESIDENT  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797  
LICENSE EXPIRATION DATE: NOVEMBER 30, 2002

NOTE: COORDINATES ARE GROUND VALUES AND CAN BE CONVERTED TO GRID VALUES BY MULTIPLYING THE PUBLISHED GROUND COORDINATES BY AN AVERAGE COMBINED SCALE FACTOR OF 0.9999454, AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

| PARCEL NUMBER | OWNER   | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA ACRES | EASEMENT SQUARE FEET | EASEMENT PURPOSE | PERMANENT INDEX NUMBER | PROPERTY ACQUIRED BY |
|---------------|---|----------------------|------------------|-------------------------------|----------------------|---------------------|----------------------|------------------|------------------------|----------------------|
| 1EB0019       | Timothy W. Henry or Gabriele C. Henry, as Trustees, under a Trust Agreement dated June 16, 1999 and known as The Timothy W. Henry and Gabriele C. Henry Trust   | 4.577                | 0.645            | 0.338                         | 3.932                | 0.003               | 137                  | Grading          | 14-15-302-002          |                      |
| 1EB0020       | An undivided 1/2 interest to Eric Nielsen, as Trustee, of the Eric Nielsen Revocable Trust, dated May 3, 1993, as amended on March 17, 2000 and an undivided 1/2 interest to Ruth Nielsen, as Trustee, of the Ruth Nielsen Revocable Trust, dated March 3, 1993, as amended on March 17, 2000, as tenants in common | 4.567                | 0.644            | 0.303                         | 3.923                | 0.026               | N/A                  | Grading          | 14-15-302-004          |                      |

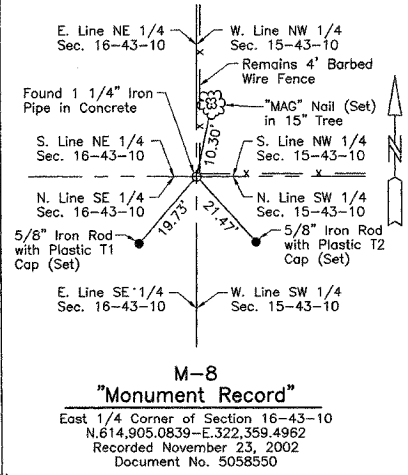
**LAKE ZURICH COMMERCE CENTER**  
Recorded April 5, 1999  
as Document No. 4331924  
Corrected by Certificate of Correction  
Recorded May 13, 1999  
as Document No. 4354501

**EXISTING R.O.W. RECORDED INFORMATION**

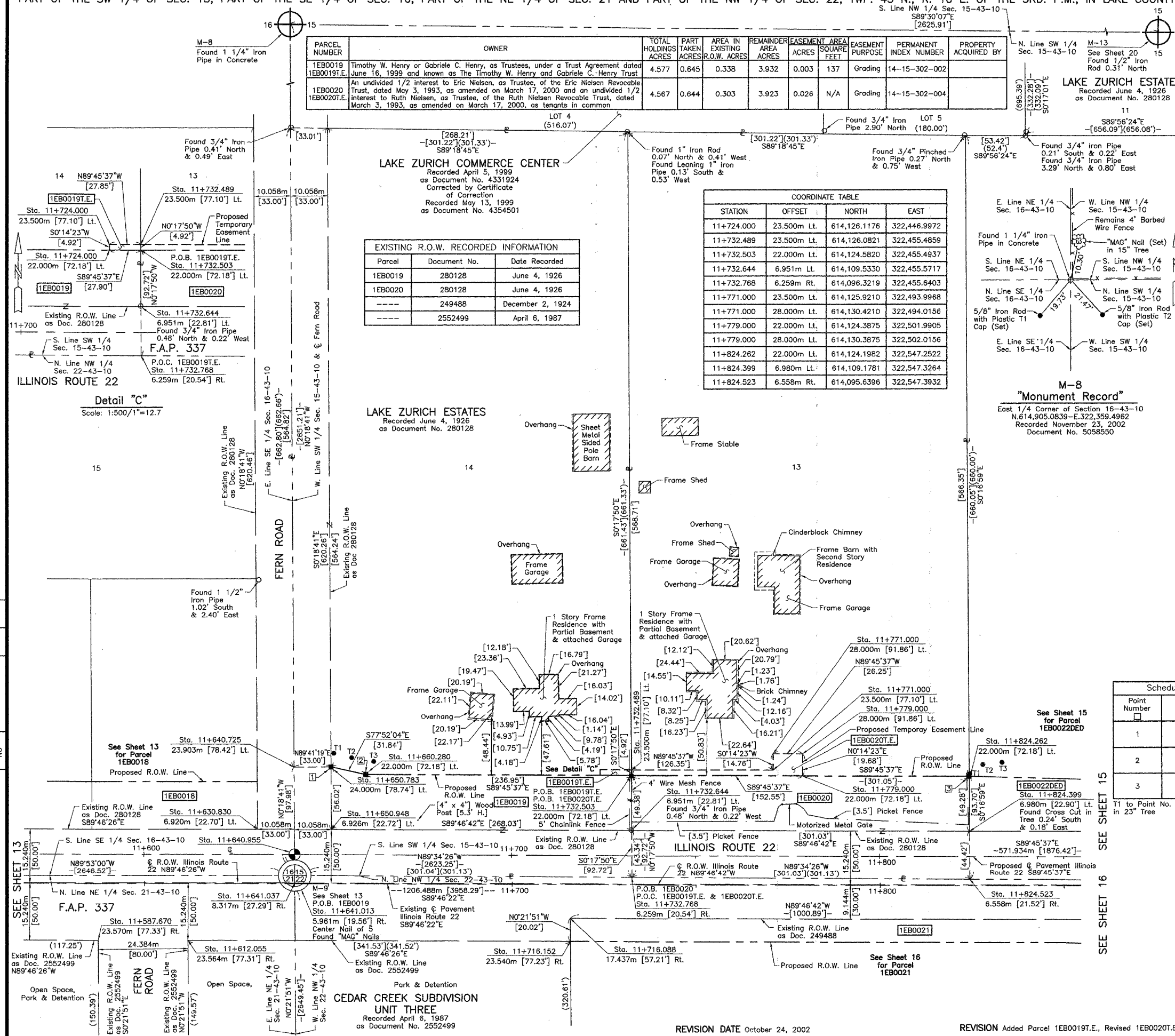
| Parcel  | Document No. | Date Recorded    |
|---------|--------------|------------------|
| 1EB0019 | 280128       | June 4, 1926     |
| 1EB0020 | 280128       | June 4, 1926     |
| ----    | 249488       | December 2, 1924 |
| ----    | 2552499      | April 6, 1987    |

**COORDINATE TABLE**

| STATION    | OFFSET      | NORTH        | EAST         |
|------------|-------------|--------------|--------------|
| 11+724.000 | 23.500m Lt. | 614,126.1176 | 322,446.9972 |
| 11+732.489 | 23.500m Lt. | 614,126.0821 | 322,455.4859 |
| 11+732.503 | 22.000m Lt. | 614,124.5820 | 322,455.4937 |
| 11+732.644 | 6.951m Lt.  | 614,109.5330 | 322,455.5717 |
| 11+732.768 | 6.259m Rt.  | 614,096.3219 | 322,455.6403 |
| 11+771.000 | 23.500m Lt. | 614,125.9210 | 322,493.9968 |
| 11+771.000 | 28.000m Lt. | 614,130.4210 | 322,494.0156 |
| 11+779.000 | 22.000m Lt. | 614,124.3875 | 322,501.9905 |
| 11+779.000 | 28.000m Lt. | 614,130.3875 | 322,502.0156 |
| 11+824.262 | 22.000m Lt. | 614,124.1982 | 322,547.2522 |
| 11+824.399 | 6.980m Lt.  | 614,109.1781 | 322,547.3264 |
| 11+824.523 | 6.558m Rt.  | 614,095.6396 | 322,547.3932 |



**Detail "C"**  
Scale: 1:500/1"=12.7



**Schedule of Ties**

| Point Number | Tie to point | Tie Distance (feet) |
|--------------|--------------|---------------------|
| 1            | T1           | 12.48               |
|              | T2           | 20.28               |
|              | T3           | 38.45               |
| 2            | T1           | 34.33               |
|              | T2           | 19.65               |
|              | T3           | 13.56               |
| 3            | T1           | 2.19                |
|              | T2           | 15.99               |
|              | T3           | 31.74               |

T1 to Point No. 3 is a "MAG" Nail (Set) in 23" Tree

**COORDINATE TABLE**

| STATION    | OFFSET      | NORTH        | EAST         |
|------------|-------------|--------------|--------------|
| 11+587.670 | 23.570m Rt. | 614,079.6183 | 322,310.4710 |
| 11+612.055 | 23.564m Rt. | 614,079.5220 | 322,334.8562 |
| 11+630.830 | 6.920m Lt.  | 614,109.9276 | 322,353.7585 |
| 11+640.725 | 23.903m Lt. | 614,126.8692 | 322,363.7250 |
| 11+640.955 | 6.920m Lt.  | 614,102.9651 | 322,363.8549 |
| 11+641.013 | 5.961m Rt.  | 614,097.0042 | 322,363.8873 |
| 11+641.037 | 8.317m Rt.  | 614,094.6481 | 322,363.9023 |
| 11+650.783 | 24.000m Lt. | 614,126.9238 | 322,373.7853 |
| 11+650.948 | 6.926m Lt.  | 614,109.8490 | 322,373.8761 |
| 11+660.280 | 22.000m Lt. | 614,124.8841 | 322,383.2715 |
| 11+716.088 | 17.437m Rt. | 614,085.2139 | 322,438.9142 |
| 11+716.152 | 23.540m Rt. | 614,079.1110 | 322,438.9530 |
| 11+724.000 | 22.000m Lt. | 614,124.6176 | 322,446.9909 |

JORGENSEN & ASSOCIATES, INC.  
122 PARK AVENUE  
LAKE VILLA, ILLINOIS 60046  
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

**PLAT OF HIGHWAYS**  
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
F.A.P. 337 (ILLINOIS ROUTE 22)

SECTION LAKE COUNTY  
PROJECT JOB NO. R-91-009-01  
STATION 11+600 TO STATION 11+850  
SCALE: 1:500/1"=12.7 SHEET 14 OF 26

**BUREAU OF LAND ACQUISITION**  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196

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

| ROW PLAT | MADE | CHECKED | LINKED | NO |
|----------|------|---------|--------|----|
|          |      |         |        |    |
|          |      |         |        |    |
|          |      |         |        |    |
|          |      |         |        |    |

LAKE ZURICH COMMERCE CENTER

Recorded April 5, 1999 as Document No. 4331924 Corrected by Certificate of Correction Recorded May 13, 1999 as Document No. 4354501

LAKE ZURICH ESTATES

Recorded June 4, 1926 as Document No. 280128

Found 3/4" Pinched Iron Pipe 0.27' North & 0.75' West  
Found 3/4" Iron Pipe 0.21' South & 0.22' East  
Found 3/4" Iron Pipe 3.29' North & 0.80' East  
N. Line of the South 660.00 Feet of W. 1/2 of SW 1/4 Sec. 15-43-10 as Staked & Occupied

COORDINATE TABLE with columns: STATION, OFFSET, NORTH, EAST. Rows include stationing from 1+195.377 to 12+040.787.

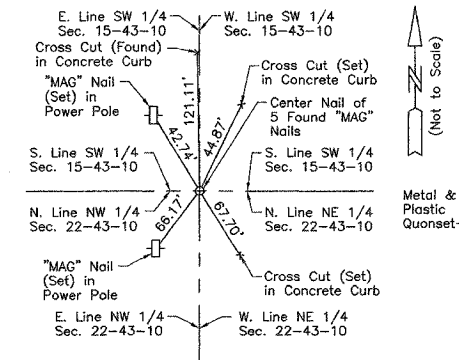
EXISTING R.O.W. RECORDED INFORMATION with columns: Parcel, Document No., Date Recorded. Rows include parcels 1EB0022DED, 1EB0023DED, etc.

Schedule of Ties with columns: Point Number, Tie to point, Tie Distance (feet). Rows include ties 1 through 6.

LEGEND section containing symbols for SECTION CORNER, QUARTER SECTION CORNER, SECTION LINE, QUARTER SECTION LINE, APPARENT PROPERTY LINE, etc.

LAKE ZURICH ESTATES

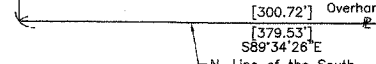
Recorded June 4, 1926 as Document No. 280128



Frame Gazebo Detail



Detail 'D'



THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 15, TOWNSHIP 43N., RANGE 10E. AND SECTION 22, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF...

NOTE: COORDINATES ARE GROUND VALUES AND CAN BE CONVERTED TO GRID VALUES BY MULTIPLYING THE PUBLISHED GROUND COORDINATES BY AN AVERAGE COMBINED SCALE FACTOR OF 0.9999454, AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

COORDINATE TABLE with columns: STATION, OFFSET, NORTH, EAST. Rows include stationing from 0+975.240 to 1+195.303.

Table with columns: PARCEL NUMBER, OWNER, TOTAL HOLDINGS ACRES, PART TAKEN ACRES, AREA IN EXISTING R.O.W. ACRES, REMAINDER AREA ACRES, EASEMENT AREA ACRES, EASEMENT PURPOSE, PERMANENT INDEX NUMBER, PROPERTY ACQUIRED BY.

REVISION DATE October 24, 2002

REVISION Added Parcel 1EB0023T.E.

MADE BY

PLAT OF HIGHWAYS STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.P. 337 (ILLINOIS ROUTE 22) SECTION PROJECT LAKE COUNTY JOB NO. R-91-009-01 STATION 0+950 TO STATION 1+200 STATION 11+800 TO STATION 12+100 SCALE: 1:500/1"=12.7 SHEET 15 OF 26 BUREAU OF LAND ACQUISITION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196





PART OF THE SW 1/4 OF SEC. 15, TWP. 43 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

| PARCEL NUMBER | OWNER   | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA ACRES | EASEMENT PURPOSE | PERMANENT INDEX NUMBER         | PROPERTY ACQUIRED BY |
|---------------|---|----------------------|------------------|-------------------------------|----------------------|---------------------|------------------|--------------------------------|----------------------|
| 1EB0024       | Hook's Nursery, Inc., an Illinois corporation | 9.980                | 0.678            | 0.607                         | 9.302                | N/A                 | N/A              | 14-15-302-005<br>14-15-302-006 |                      |

| Point Number | Tie to point | Tie Distance (feet) |
|--------------|--------------|---------------------|
| 1            | T1           | 27.46               |
|              | T2           | 15.25               |
|              | T3           | 25.84               |
| 2            | T1           | 28.11               |
|              | T2           | 12.44               |
|              | T3           | 27.14               |

| Parcel  | Document No. | Date Recorded  |
|---------|--------------|----------------|
| 1EB0024 | 280128       | June 4, 1926   |
| 1EB0024 | 726292       | May 2, 1951    |
| ----    | 726251       | May 2, 1951    |
| ----    | 4677745      | April 20, 2001 |

LAKE ZURICH COMMERCE CENTER  
 Recorded April 5, 1999  
 as Document No. 4331924  
 Corrected by Certificate  
 of Correction  
 Recorded May 13, 1999  
 as Document No. 4354501

LAKE ZURICH ESTATES  
 Recorded June 4, 1926  
 as Document No. 280128

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA U.S. FOOT
- MEASURED DIMENSION U.S. FOOT
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS }  
 COUNTY OF LAKE }  
 THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 15, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.  
 DATED AT LAKE VILLA, ILLINOIS THIS 21<sup>ST</sup> DAY OF November 2002 A.D.

CHRISTIAN H. JORGENSEN  
 2797 PROFESSIONAL LAND SURVEYOR  
 STATE OF ILLINOIS  
 LAKE VILLA, ILLINOIS  
 PRESIDENT  
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797  
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2002

NOTE: COORDINATES ARE GROUND VALUES AND CAN BE CONVERTED TO GRID VALUES BY MULTIPLYING THE PUBLISHED GROUND COORDINATES BY AN AVERAGE COMBINED SCALE FACTOR OF 0.9999454, AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

| STATION   | OFFSET      | NORTH        | EAST         |
|-----------|-------------|--------------|--------------|
| 1+195.303 | 0.025m Rt.  | 614,296.5941 | 322,762.6592 |
| 1+195.377 | 12.167m Lt. | 614,296.6069 | 322,750.4670 |
| 1+195.424 | 20.000m Lt. | 614,296.6151 | 322,742.6341 |
| 1+215.000 | 20.000m Lt. | 614,316.1909 | 322,742.5367 |
| 1+250.000 | 12.165m Lt. | 614,351.2294 | 322,750.1971 |
| 1+387.594 | 12.160m Lt. | 614,488.8219 | 322,749.5174 |
| 1+396.582 | 0.032m Rt.  | 614,497.8698 | 322,761.6649 |
| 1+396.739 | 12.160m Lt. | 614,497.9666 | 322,749.4723 |

JORGENSEN & ASSOCIATES, INC.  
 120 PARK AVENUE  
 LAKE VILLA, ILLINOIS 60046  
 (847) 356-3371  
 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 F.A.P. 337 (ILLINOIS ROUTE 22)  
 SECTION LAKE COUNTY  
 PROJECT JOB NO. R-91-009-01  
 STATION 1+150 TO STATION 1+550.000  
 SCALE: 1:500/1"=12.7 SHEET 17 OF 26

BUREAU OF LAND ACQUISITION  
 201 WEST CENTER COURT  
 SCHAUMBURG, ILLINOIS 60196

| ROW      | DATE | BY | MADE  | DATE | BY |
|----------|------|----|-------|------|----|
| PLAT     |      |    | NOTED |      |    |
| NOTEBOOK |      |    | LIVED |      |    |
| NO       |      |    |       |      |    |

LAKE ZURICH ESTATES  
 Recorded June 4, 1926  
 as Document No. 280128

See Sheet 15 for Parcel 1EB0023DED & 1EB0023T.E.

See Sheet 20 for Parcel 1EB0036 & 1EB0036T.E.

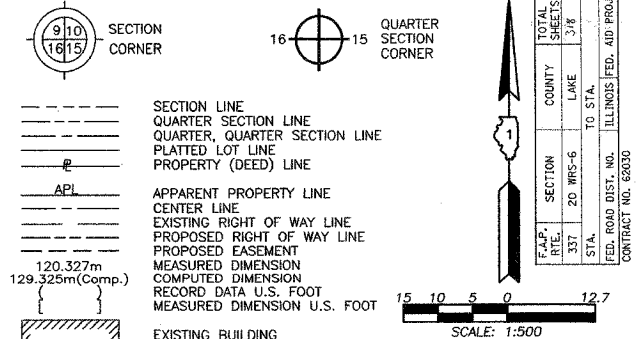
REVISION DATE April 23, 2002

REVISION Parcel 1EB0024 Configuration

MADE BY

PART OF THE NW 1/4 OF SEC. 22, TWP. 43 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.  
SEE SHEET 16 SEE SHEET 19

LEGEND



Schedule of Ties

| Point Number | Tie to point | Tie Distance (feet) |
|--------------|--------------|---------------------|
| 1            | T1           | 21.57               |
|              | T2           | 5.26                |
|              | T3           | 27.20               |

COORDINATE TABLE

| STATION   | OFFSET      | NORTH        | EAST         |
|-----------|-------------|--------------|--------------|
| 0+792.916 | 15.249m Rt. | 613,894.3053 | 322,780.0998 |
| 0+800.000 | 15.249m Rt. | 613,901.3893 | 322,780.0572 |
| 0+840.152 | 15.252m Rt. | 613,941.5406 | 322,779.8161 |
| 0+840.156 | 17.464m Rt. | 613,941.5578 | 322,782.0282 |

- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENT. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENT BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS )  
COUNTY OF LAKE )  
THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 22, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.  
DATED AT LAKE VILLA, ILLINOIS THIS 21<sup>ST</sup> DAY OF November 2022 A.D.



NOTE: COORDINATES ARE GROUND VALUES AND CAN BE CONVERTED TO GRID VALUES BY MULTIPLYING THE PUBLISHED GROUND COORDINATES BY AN AVERAGE COMBINED SCALE FACTOR OF 0.9999454, AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

COORDINATE TABLE

| STATION   | OFFSET      | NORTH        | EAST         |
|-----------|-------------|--------------|--------------|
| 0+656.031 | 19.015m Rt. | 613,757.4461 | 322,784.6973 |
| 0+656.082 | 15.240m Rt. | 613,757.4742 | 322,780.9216 |
| 0+656.124 | 12.192m Rt. | 613,757.4969 | 322,777.8734 |
| 0+656.288 | 0.000m Lt.  | 613,757.5876 | 322,765.6807 |
| 0+665.002 | 12.192m Rt. | 613,766.3752 | 322,777.8201 |
| 0+665.002 | 19.000m Rt. | 613,766.4166 | 322,784.6276 |
| 0+683.768 | 12.194m Rt. | 613,785.1409 | 322,777.7074 |
| 0+683.768 | 17.192m Rt. | 613,785.1712 | 322,782.7056 |
| 0+698.768 | 12.195m Rt. | 613,800.1406 | 322,777.6173 |
| 0+698.768 | 17.192m Rt. | 613,800.1710 | 322,782.6146 |
| 0+720.081 | 15.244m Rt. | 613,821.4717 | 322,780.5373 |
| 0+720.122 | 12.196m Rt. | 613,821.4944 | 322,777.4891 |
| 0+720.287 | 0.004m Rt.  | 613,821.5850 | 322,765.2963 |

JORGENSEN & ASSOCIATES, INC.  
120 PARK AVENUE  
LAKE VILLA, ILLINOIS 60046  
(847) 356-3371

PLAT OF HIGHWAYS  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
F.A.P. 337 (ILLINOIS ROUTE 22)  
SECTION LAKE COUNTY  
PROJECT JOB NO. R-91-009-01  
STATION 0+600 TO STATION 0+850  
SCALE: 1:500/1"=12.7' SHEET 18 OF 26

BUREAU OF LAND ACQUISITION  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196

| PARCEL NUMBER                  | OWNER   | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA ACRES | EASEMENT PURPOSE                       | PERMANENT INDEX NUMBER | PROPERTY ACQUIRED BY |
|--------------------------------|---|----------------------|------------------|-------------------------------|----------------------|---------------------|--|------------------------|----------------------|
| 1EB0032T.E.-A<br>1EB0032T.E.-B | American National Bank and Trust Company of Chicago, as Trustee of Trust Agreement dated December 23, 1983 and known as Trust No. 60005 | 1.783                | N/A              | N/A                           | 1.783                | A=0.015<br>B=0.019  | Driveway Construction Grading Purposes | 14-22-100-004          |                      |
| 1EB0033                        | Robert A. Cronberg, Jr. and Deborah K. Cronberg, Husband and Wife, as Tenants by the Entirety   | 0.985                | 0.011            | N/A                           | 0.974                | N/A                 | N/A                                    | 14-22-101-007          |                      |

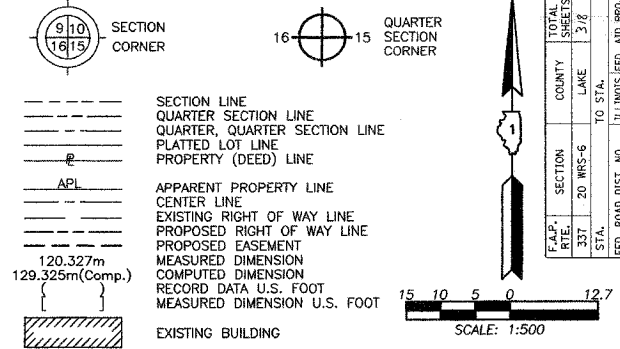
EXISTING R.O.W. RECORDED INFORMATION

| Parcel  | Document No. | Date Recorded  |
|---------|--------------|----------------|
| 1EB0032 | 726294       | May 2, 1951    |
| 1EB0033 | 1822961      | March 4, 1977  |
| -----   | 726295       | May 2, 1951    |
| -----   | 1822961      | March 4, 1977  |
| -----   | 2706938      | August 2, 1988 |

| ROW PLAT     | DATE | BY |
|--------------|------|----|
| MADE         |      |    |
| RECORDED     |      |    |
| INDEXED      |      |    |
| NOTEBOOK NO. |      |    |

PART OF THE SW 1/4 OF SEC. 15 AND PART OF THE NW 1/4 OF SEC. 22, TWP. 43 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.  
SEE SHEET 15 SEE SHEET 20

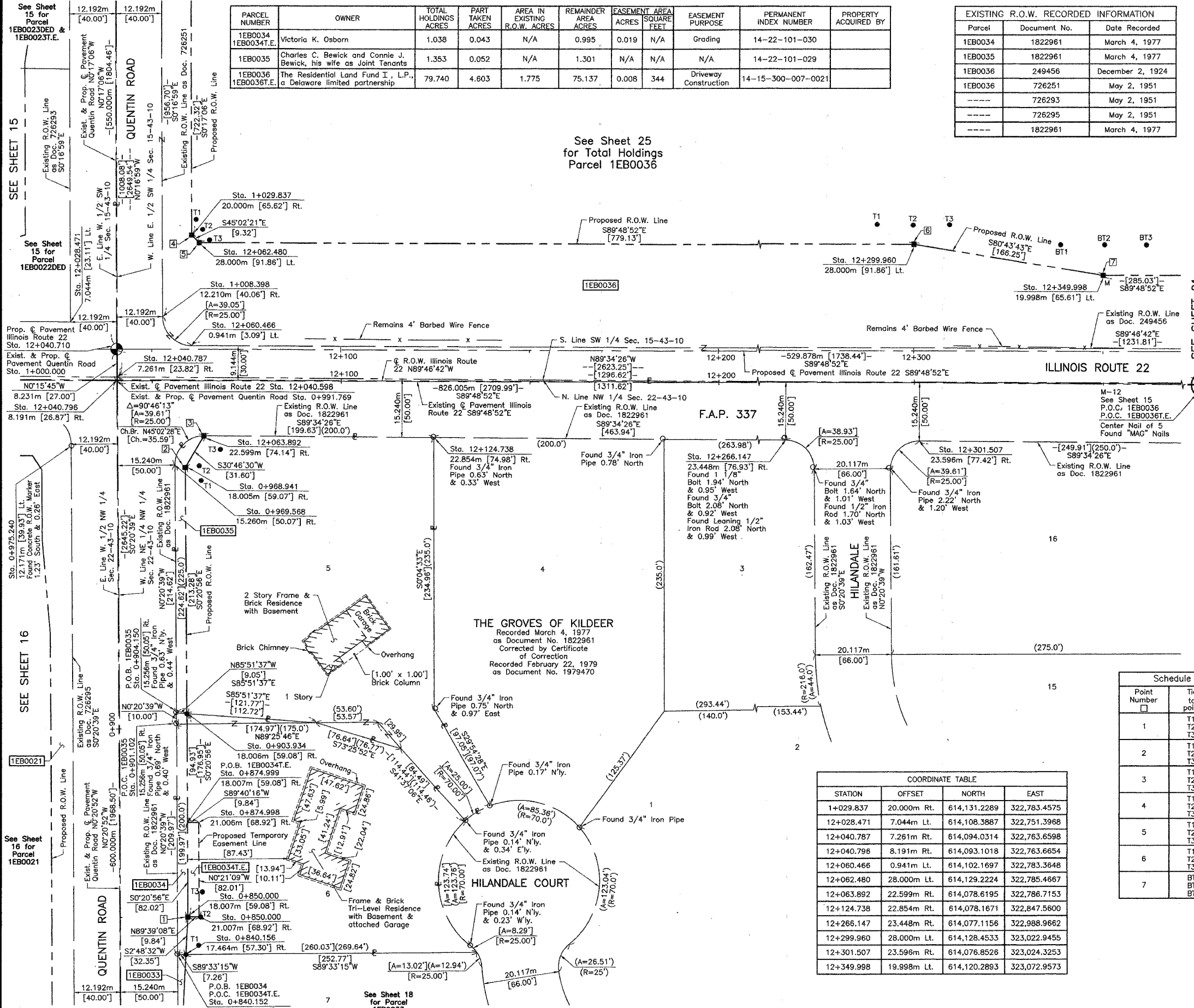
LEGEND



| PARCEL NUMBER         | OWNER   | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA ACRES | EASEMENT SQUARE FEET | EASEMENT PURPOSE      | PERMANENT INDEX NUMBER | PROPERTY ACQUIRED BY |
|-----------------------|---|----------------------|------------------|-------------------------------|----------------------|---------------------|----------------------|-----------------------|------------------------|----------------------|
| 1EB0034<br>1EB0034T.E | Victoria K. Osborn  | 1.038                | 0.043            | N/A                           | 0.995                | 0.019               | N/A                  | Grading               | 14-22-101-030          |                      |
| 1EB0035               | Charles C. Bewick and Connie J. Bewick, his wife as Joint Tenants | 1.353                | 0.052            | N/A                           | 1.301                | N/A                 | N/A                  | N/A                   | 14-22-101-029          |                      |
| 1EB0036<br>1EB0036T.E | The Residential Land Fund I, L.P., a Delaware limited partnership | 79.740               | 4.603            | 1.775                         | 75.137               | 0.008               | 344                  | Driveway Construction | 14-15-300-007-0021     |                      |

| EXISTING R.O.W. RECORDED INFORMATION |              |                  |
|--------------------------------------|--------------|------------------|
| Parcel                               | Document No. | Date Recorded    |
| 1EB0034                              | 1822961      | March 4, 1977    |
| 1EB0035                              | 1822961      | March 4, 1977    |
| 1EB0036                              | 249456       | December 2, 1924 |
| 1EB0036                              | 726251       | May 2, 1951      |
|                                      | 726293       | May 2, 1951      |
|                                      | 726295       | May 2, 1951      |
|                                      | 1822961      | March 4, 1977    |

See Sheet 25 for Total Holdings Parcel 1EB0036



Bearings are referenced to the Illinois State Plane Coordinate System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

○ IRON PIPE OR ROD FOUND      ⊕ "MAG" NAIL SET  
 + CUT CROSS FOUND OR SET      ● 5/8" REBAR SET

● T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

● BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

□ RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS }  
 COUNTY OF LAKE }SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 15, TOWNSHIP 43N., RANGE 10E., AND SECTION 22, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF. THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 21st DAY OF November 2002 A.D.



NOTE: COORDINATES ARE GROUND VALUES AND CAN BE CONVERTED TO GRID VALUES BY MULTIPLYING THE PUBLISHED GROUND COORDINATES BY AN AVERAGE COMBINED SCALE FACTOR OF 0.9999454, AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

| COORDINATE TABLE |             |              |              |
|------------------|-------------|--------------|--------------|
| STATION          | OFFSET      | NORTH        | EAST         |
| 0+840.152        | 15.252m Rt. | 613,941.5406 | 322,779.8161 |
| 0+840.156        | 17.464m Rt. | 613,941.5578 | 322,782.0282 |
| 0+850.000        | 18.007m Rt. | 613,951.4051 | 322,782.5113 |
| 0+850.000        | 21.007m Rt. | 613,951.4233 | 322,785.5113 |
| 0+874.998        | 21.006m Rt. | 613,976.4209 | 322,785.3575 |
| 0+874.999        | 18.007m Rt. | 613,976.4037 | 322,782.3591 |
| 0+901.102        | 15.256m Rt. | 614,002.4892 | 322,779.4500 |
| 0+903.934        | 18.006m Rt. | 614,005.3380 | 322,782.1829 |
| 0+904.150        | 15.256m Rt. | 614,005.5372 | 322,779.4317 |
| 0+968.941        | 18.005m Rt. | 614,070.3440 | 322,781.7870 |
| 0+969.568        | 15.260m Rt. | 614,070.9540 | 322,779.0388 |
| 0+975.240        | 12.171m Lt. | 614,076.4596 | 322,751.5732 |
| 1+008.398        | 12.210m Rt. | 614,109.7520 | 322,775.7744 |

| Schedule of Ties |              |                     |
|------------------|--------------|---------------------|
| Point Number     | Tie to point | Tie Distance (feet) |
| 1                | T1           | 26.01               |
|                  | T2           | 11.51               |
|                  | T3           | 25.04               |
| 2                | T1           | 17.94               |
|                  | T2           | 12.19               |
|                  | T3           | 34.16               |
| 3                | T1           | 38.79               |
|                  | T2           | 26.06               |
|                  | T3           | 18.47               |
| 4                | T1           | 14.21               |
|                  | T2           | 10.74               |
|                  | T3           | 16.08               |
| 5                | T1           | 20.45               |
|                  | T2           | 11.92               |
|                  | T3           | 9.22                |
| 6                | T1           | 36.33               |
|                  | T2           | 16.69               |
|                  | T3           | 35.31               |
| 7                | BT1          | 45.34               |
|                  | BT2          | 26.43               |
|                  | BT3          | 45.74               |

| COORDINATE TABLE |             |              |              |
|------------------|-------------|--------------|--------------|
| STATION          | OFFSET      | NORTH        | EAST         |
| 1+029.837        | 20.000m Rt. | 614,131.2289 | 322,783.4575 |
| 12+028.471       | 7.044m Lt.  | 614,108.3887 | 322,751.3968 |
| 12+040.787       | 7.261m Rt.  | 614,094.0314 | 322,763.6598 |
| 12+060.466       | 0.941m Lt.  | 614,102.1697 | 322,783.3648 |
| 12+063.892       | 22.599m Rt. | 614,078.6195 | 322,786.7153 |
| 12+124.738       | 22.854m Rt. | 614,078.1671 | 322,847.5600 |
| 12+266.147       | 23.448m Rt. | 614,077.1156 | 322,988.9662 |
| 12+299.960       | 28.000m Lt. | 614,128.4533 | 323,022.9455 |
| 12+301.507       | 23.596m Rt. | 614,076.8526 | 323,024.3253 |
| 12+349.998       | 19.998m Lt. | 614,120.2893 | 323,072.9573 |

JORGENSEN & ASSOCIATES, INC.  
 120 PARK AVENUE  
 LAKE VILLA, ILLINOIS 60046 SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.  
 (847) 356-3371

**PLAT OF HIGHWAYS**  
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
 F.A.P. 337 (ILLINOIS ROUTE 22)

SECTION LAKE COUNTY  
 PROJECT JOB NO. R-91-009-01  
 STATION 0+850 TO STATION 1+100  
 STATION 12+000 TO STATION 12+350  
 SCALE: 1:500/1"=12.7 SHEET 19 OF 26

**BUREAU OF LAND ACQUISITION**  
 201 WEST CENTER COURT  
 SCHAUMBURG, ILLINOIS 60196

PART OF THE SW 1/4 OF SEC. 15, TWP. 43 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

S. Line NW 1/4 Sec. 15-43-10  
-[2625.91']-  
[1312.86']  
S89°30'07"E  
N. Line SW 1/4 Sec. 15-43-10

**LEGEND**

SECTION CORNER  
QUARTER SECTION CORNER

SECTION LINE  
QUARTER SECTION LINE  
PLATTED LOT LINE  
PROPERTY (DEED) LINE

APL  
APPARENT PROPERTY LINE  
CENTER LINE  
EXISTING RIGHT OF WAY LINE  
PROPOSED RIGHT OF WAY LINE  
EASEMENT  
MEASURED DIMENSION  
COMPUTED DIMENSION  
RECORD DATA U.S. FOOT  
MEASURED DIMENSION U.S. FOOT

EXISTING BUILDING

Bearings are referenced to the Illinois State Plane Coordinate System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

IRON PIPE OR ROD FOUND  
CUT CROSS FOUND OR SET

"MAG" NAIL SET  
5/8" REBAR SET

T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

M STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK THE POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS }  
COUNTY OF LAKE }

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 15, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 25<sup>TH</sup> DAY OF November 2002 A.D.

CHRISTIAN H. JORGENSEN  
2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS  
LAKE VILLA, ILLINOIS

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797  
LICENSE EXPIRATION DATE: NOVEMBER 30, 2002

NOTE: COORDINATES ARE GROUND VALUES AND CAN BE CONVERTED TO GRID VALUES BY MULTIPLYING THE PUBLISHED GROUND COORDINATES BY AN AVERAGE COMBINED SCALE FACTOR OF 0.9999454, AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

| STATION   | OFFSET      | NORTH        | EAST         |
|-----------|-------------|--------------|--------------|
| 1+115.506 | 20.000m Rt. | 614,216.8972 | 322,783.0312 |
| 1+115.506 | 24.000m Rt. | 614,216.9170 | 322,787.0312 |
| 1+123.506 | 20.000m Rt. | 614,224.8970 | 322,782.9914 |
| 1+123.506 | 24.000m Rt. | 614,224.9170 | 322,786.9914 |
| 1+250.000 | 20.000m Rt. | 614,351.3895 | 322,782.3620 |
| 1+300.000 | 0.028m Rt.  | 614,401.2899 | 322,762.1420 |
| 1+300.000 | 12.220m Rt. | 614,401.3502 | 322,774.3339 |

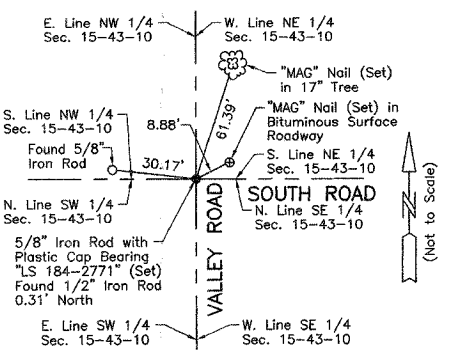
| PARCEL NUMBER | OWNER   | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA SQUARE FEET | EASEMENT PURPOSE | PERMANENT INDEX NUMBER | PROPERTY ACQUIRED BY |
|---------------|---|----------------------|------------------|-------------------------------|----------------------|---------------------------|------------------|------------------------|----------------------|
| 1EB0036       | The Residential Land Fund I, L.P., a Delaware limited partnership | 79.740               | 4.603            | 1.775                         | 75.137               | 0.008                     | 344              | 14-15-300-007-0021     |                      |

**Schedule of Ties**

| Point Number | Tie to point | Tie Distance (feet) |
|--------------|--------------|---------------------|
| 1            | BT1          | 38.84               |
|              | BT2          | 17.62               |
|              | BT3          | 37.30               |
| 2            | T1           | 17.77               |
|              | T2           | 6.77                |
|              | T3           | 19.04               |

**EXISTING R.O.W. RECORDED INFORMATION**

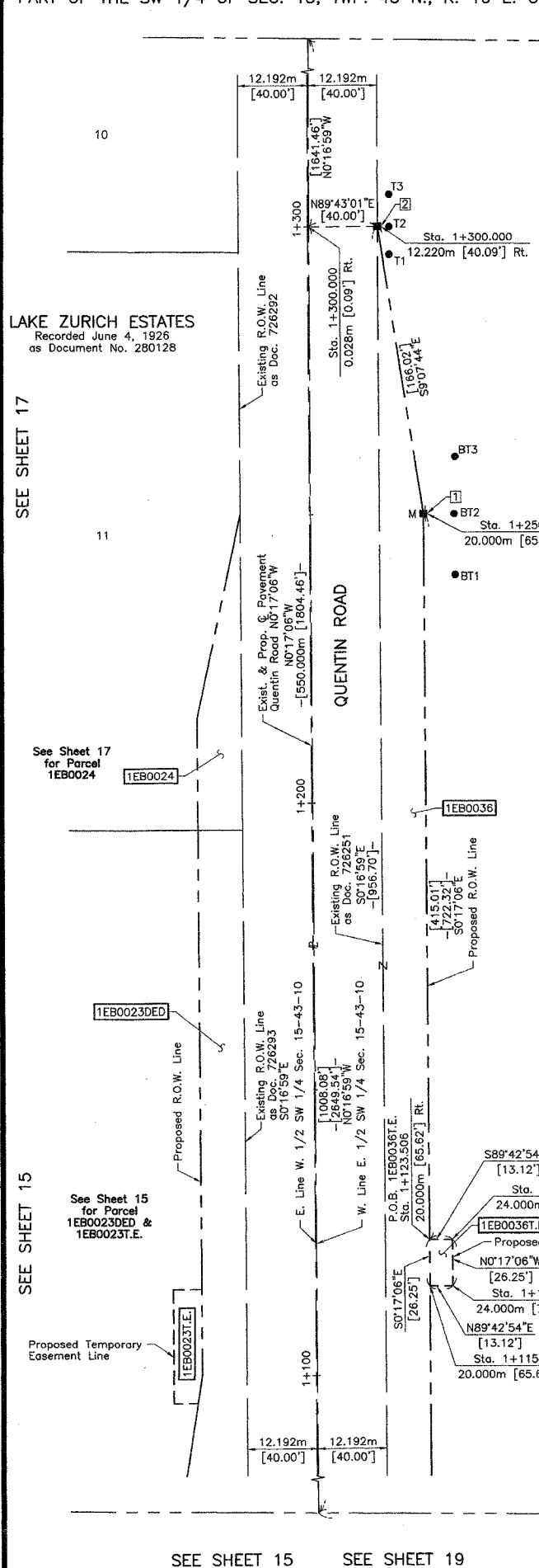
| Parcel  | Document No. | Date Recorded    |
|---------|--------------|------------------|
| 1EB0036 | 249456       | December 2, 1924 |
| 1EB0036 | 726251       | May 2, 1951      |
| 1EB0036 | 3013443      | April 30, 1991   |
| ---     | 726292       | May 2, 1951      |
| ---     | 726293       | May 2, 1951      |



**M-13 "Monument Record"**  
Center of Section 15-43-10  
N.614,896.1249-E.323,159.8448  
Recorded November 23, 2002  
Document No. 5058547

See Sheet 25 for Total Holdings Parcel 1EB0036

| ROW PLAT | MADE | CHECKED | DATE |
|----------|------|---------|------|
|          |      |         |      |
|          |      |         |      |
|          |      |         |      |
|          |      |         |      |



**BEACON HILL SUBDIVISION UNIT 1**  
Recorded April 30, 1991 as Document No. 3013443  
Corrected by Certificates of Correction  
Recorded August 7, 1991 as Document No. 3048950 & Recorded November 15, 1991 as Document No. 3083994

JORGENSEN & ASSOCIATES, INC.  
120 PARK AVENUE  
LAKE VILLA, ILLINOIS 60046  
(847) 358-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
F.A.P. 337 (ILLINOIS ROUTE 22)

SECTION LAKE COUNTY  
PROJECT JOB NO. R-91-009-01  
STATION 1+100 TO STATION 1+300  
SCALE: 1:500/1"=12.7' SHEET 20 OF 26

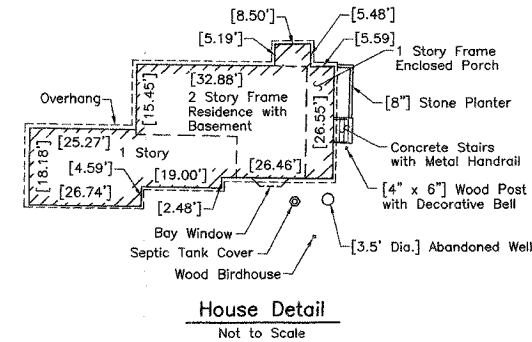
**BUREAU OF LAND ACQUISITION**  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196

| EXISTING R.O.W. RECORDED INFORMATION |              |                  |
|--------------------------------------|--------------|------------------|
| Parcel                               | Document No. | Date Recorded    |
| 1EB0036                              | 249456       | December 2, 1924 |
| 1EB0036                              | 3013443      | April 30, 1991   |
| 1EB0037                              | 249457       | December 2, 1924 |
| 1EB0037                              | 3005571      | April 5, 1991    |
| 1EB0037                              | 3013443      | April 30, 1991   |
| ----                                 | 1822961      | March 4, 1977    |
| ----                                 | 2821575      | August 17, 1989  |
| ----                                 | 3388019      | August 25, 1993  |

| PARCEL NUMBER          | OWNER  | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA ACRES | EASEMENT PURPOSE | PERMANENT INDEX NUMBER                  | PROPERTY ACQUIRED BY |
|------------------------|--|----------------------|------------------|-------------------------------|----------------------|---------------------|------------------|---|----------------------|
| 1EB0036<br>1EB0036T.E. | The Residential Land Fund I, L.P., a Delaware limited partnership  | 79.740               | 4.603            | 1.775                         | 75.137               | 0.008               | 344              | 14-15-300-007-0021                      |                      |
| 1EB0037<br>1EB0037T.E. | C. William Haberstroh as Trustee of the C. William Haberstroh Revocable Living Trust under Declaration of Trust dated June 1, 1989 | 19.993               | 2.477            | 1.054                         | 17.516               | 0.186               | N/A              | 14-15-400-009-0010<br>14-15-400-009-011 |                      |

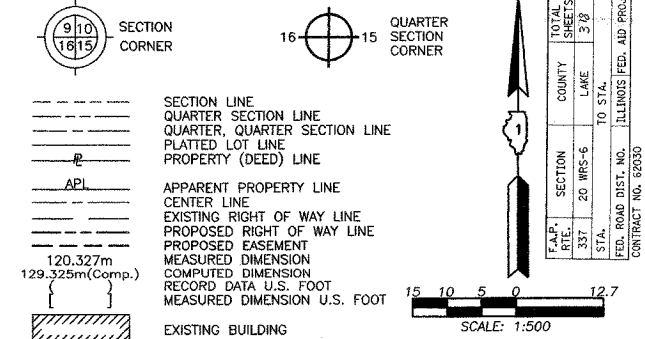
**BEACON HILL SUBDIVISION UNIT 1**  
Recorded April 30, 1991 as Document No. 3013443  
Corrected by Certificate of Correction  
Recorded August 7, 1991 as Document No. 3048950 and Recorded November 15, 1991 as Document No. 3083994

| Schedule of Ties |              |                     |
|------------------|--------------|---------------------|
| Point Number     | Tie to point | Tie Distance (feet) |
| 1                | BT1          | 45.34               |
|                  | BT2          | 26.43               |
|                  | BT3          | 45.74               |
| 2                | T1           | 11.30               |
|                  | T2           | 9.85                |
|                  | T3           | 11.83               |
| 3                | T1           | 14.90               |
|                  | T2           | 13.02               |
|                  | T3           | 15.11               |
| 4                | T1           | 15.69               |
|                  | T2           | 13.74               |
|                  | T3           | 19.27               |



| COORDINATE TABLE |             |              |              |
|------------------|-------------|--------------|--------------|
| STATION          | OFFSET      | NORTH        | EAST         |
| 12+474.433       | 23.677m Rt. | 614,076.2113 | 323,197.2506 |
| 12+539.824       | 5.289m Lt.  | 614,104.9662 | 323,262.7345 |
| 12+539.859       | 0.717m Lt.  | 614,100.3941 | 323,262.7548 |
| 12+541.005       | 17.570m Rt. | 614,082.1026 | 323,263.8417 |
| 12+541.060       | 23.666m Rt. | 614,076.0064 | 323,263.8767 |
| 12+570.588       | 19.998m Lt. | 614,119.5750 | 323,293.5465 |
| 12+575.000       | 19.998m Lt. | 614,119.5569 | 323,297.9912 |
| 12+589.802       | 30.010m Lt. | 614,129.4536 | 323,313.0077 |
| 12+609.132       | 36.973m Lt. | 614,136.1412 | 323,332.6770 |
| 12+609.164       | 29.977m Lt. | 614,129.1458 | 323,332.5857 |
| 12+624.530       | 37.000m Lt. | 614,135.8467 | 323,348.2858 |
| 12+642.047       | 16.603m Rt. | 614,081.7933 | 323,364.4294 |
| 12+642.266       | 22.695m Rt. | 614,075.6971 | 323,364.4643 |
| 12+650.000       | 19.998m Lt. | 614,118.1248 | 323,373.5376 |

See Sheet 25 for Total Holdings Parcel 1EB0037 & 1EB0037T.E.



- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS }  
COUNTY OF LAKE }  
THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 15, TOWNSHIP 43N., RANGE 10E. AND SECTION 22, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.  
DATED AT LAKE VILLA, ILLINOIS THIS 21<sup>ST</sup> DAY OF November 20, 2002 A.D.

CHRISTIAN H. JORGENSEN - PRESIDENT  
2797 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS  
LICENSE EXPIRATION DATE NOVEMBER 30, 2002

NOTE: COORDINATES ARE GROUND VALUES AND CAN BE CONVERTED TO GRID VALUES BY MULTIPLYING THE PUBLISHED GROUND COORDINATES BY AN AVERAGE COMBINED SCALE FACTOR OF 0.9999454, AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

| COORDINATE TABLE |             |              |              |
|------------------|-------------|--------------|--------------|
| STATION          | OFFSET      | NORTH        | EAST         |
| 12+349.998       | 19.998m Lt. | 614,120.2893 | 323,072.9573 |
| 12+377.677       | 23.643m Rt. | 614,076.5587 | 323,100.4952 |
| 12+377.680       | 23.916m Rt. | 614,076.2862 | 323,100.4968 |
| 12+423.681       | 23.672m Rt. | 614,076.3808 | 323,146.4985 |
| 12+435.875       | 6.761m Lt.  | 614,106.7745 | 323,158.7908 |
| 12+435.921       | 0.704m Lt.  | 614,100.7174 | 323,158.8178 |
| 12+435.995       | 8.920m Rt.  | 614,091.0926 | 323,158.8605 |
| 12+436.876       | 19.998m Lt. | 614,120.0080 | 323,159.8351 |
| 12+440.564       | 8.443m Rt.  | 614,091.5554 | 323,163.4302 |
| 12+440.567       | 8.940m Rt.  | 614,091.0586 | 323,163.4324 |
| 12+466.559       | 19.998m Lt. | 614,119.9118 | 323,189.5173 |
| 12+466.672       | 5.277m Lt.  | 614,105.1911 | 323,189.5827 |
| 12+466.782       | 9.043m Rt.  | 614,090.8701 | 323,189.6464 |

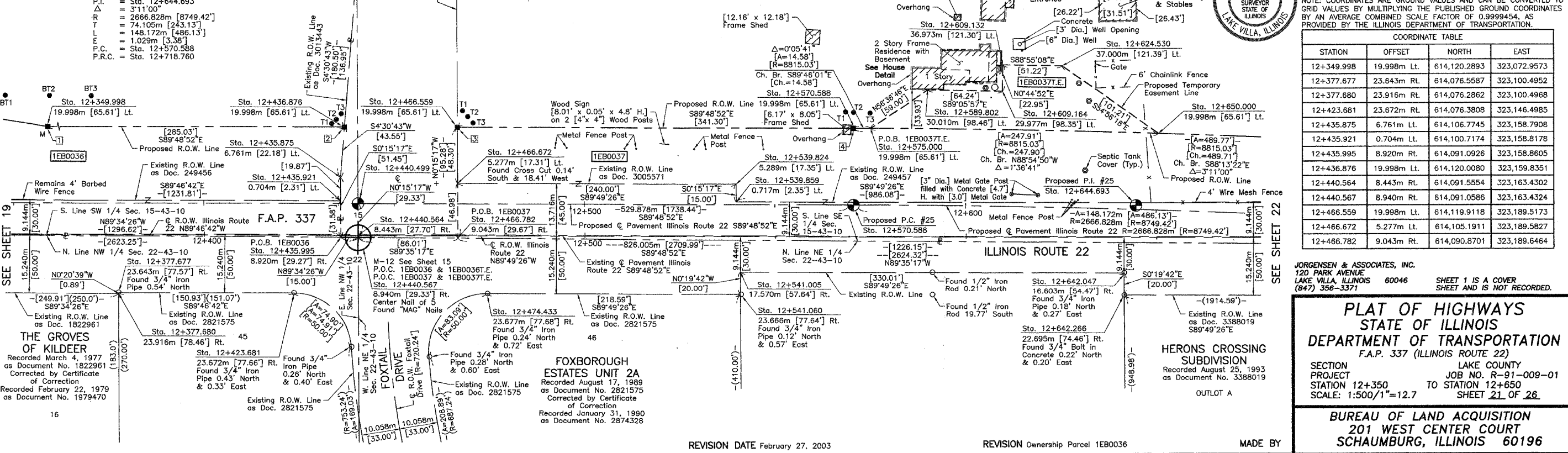
JORGENSEN & ASSOCIATES, INC.  
120 PARK AVENUE  
LAKE VILLA, ILLINOIS 60046  
(847) 356-3371

**PLAT OF HIGHWAYS STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.P. 337 (ILLINOIS ROUTE 22)**

SECTION 15 LAKE COUNTY  
PROJECT JOB NO. R-91-009-01  
STATION 12+350 TO STATION 12+650  
SCALE: 1:500/1"=12.7 SHEET 21 OF 26

BUREAU OF LAND ACQUISITION  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196

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



**BEACON HILL SUBDIVISION UNIT 1**  
 Recorded April 30, 1991  
 as Document No. 3013443  
 Corrected by Certificates  
 of Correction  
 Recorded August 7, 1991  
 as Document No. 3048950 &  
 Recorded November 15, 1991  
 as Document No. 3083994  
 OUTLOT E

| Proposed Pavement Illinois Route 22 Curve #25 |                        | Proposed Pavement Illinois Route 22 Curve #26 |                        |
|---|------------------------|---|------------------------|
| P.I.  | = Sta. 12+644.893      | P.I.  | = Sta. 12+792.865      |
| Δ   | = 3°11'00"             | Δ   | = 3°11'00"             |
| R   | = 2666.828m [8749.42'] | R   | = 2666.828m [8749.42'] |
| T   | = 74.105m [243.13']    | T   | = 74.105m [243.13']    |
| L   | = 148.172m [486.13']   | L   | = 148.172m [486.13']   |
| P.C.  | = Sta. 12+570.588      | P.C.  | = Sta. 12+718.760      |
| P.R.C.  | = Sta. 12+718.760      | P.T.  | = Sta. 12+866.932      |

S. Line NE 1/4 Sec. 15-43-10  
 -[2619.99']-  
 -[1309.99']-  
 S89°30'07"E  
 N. Line SE 1/4 Sec. 15-43-10

**LEGEND**

SECTION CORNER  
 QUARTER SECTION CORNER

SECTION LINE  
 QUARTER SECTION LINE  
 QUARTER, QUARTER SECTION LINE  
 PLATTED LOT LINE  
 PROPERTY (DEED) LINE

APL  
 APPARENT PROPERTY LINE  
 CENTER LINE  
 EXISTING RIGHT OF WAY LINE  
 PROPOSED RIGHT OF WAY LINE  
 PROPOSED EASEMENT  
 MEASURED DIMENSION  
 COMPUTED DIMENSION  
 RECORD DATA U.S. FOOT  
 MEASURED DIMENSION U.S. FOOT

EXISTING BUILDING

Bearings are referenced to the Illinois State Plane Coordinate System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

○ IRON PIPE OR ROD FOUND  
 ⊕ "MAG" NAIL SET  
 + CUT CROSS FOUND OR SET  
 ● 5/8" REBAR SET

● T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.  
 ● T2  
 ● T3

● BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.  
 ● BT2  
 ● BT3

■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

⊙ PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET

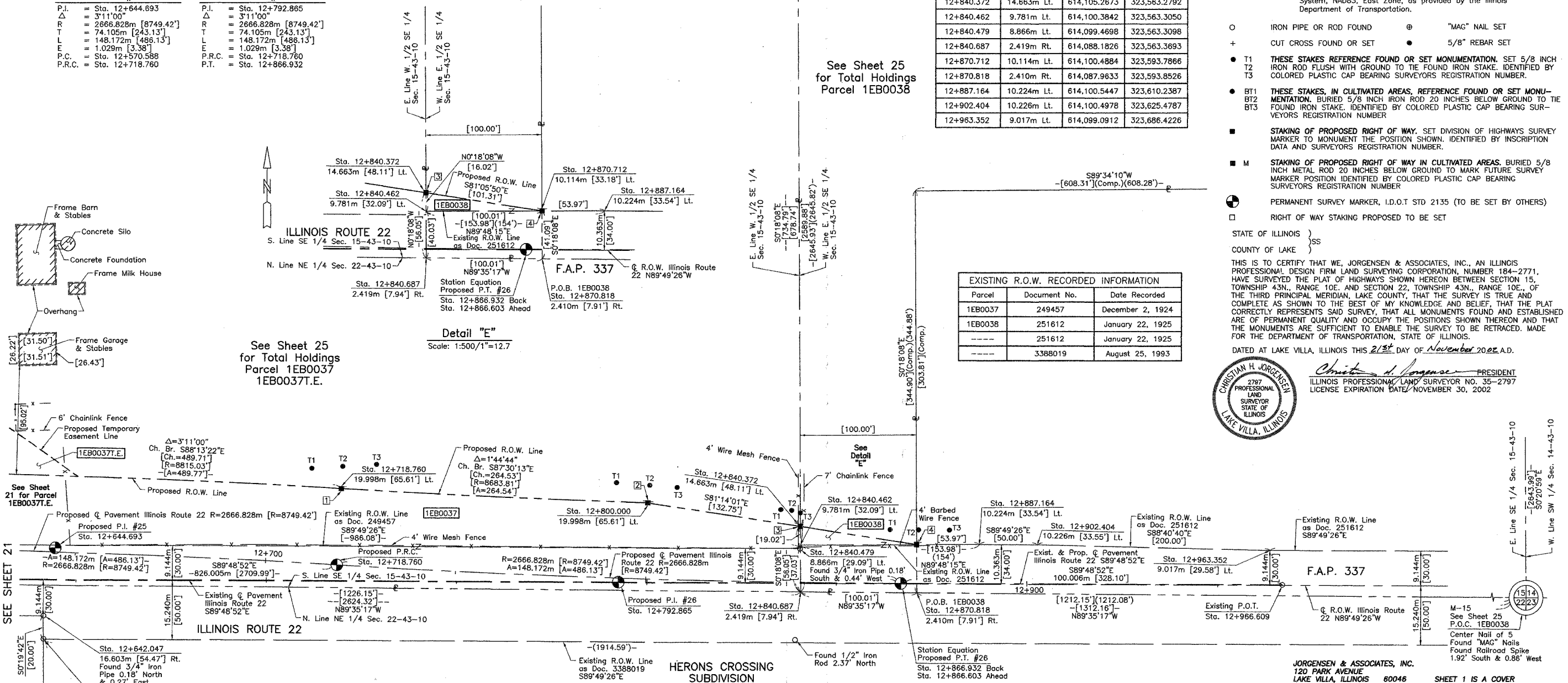
STATE OF ILLINOIS }  
 COUNTY OF LAKE }  
 THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 15, TOWNSHIP 43N., RANGE 10E. AND SECTION 22, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 23<sup>RD</sup> DAY OF November 2002 A.D.

*Christian H. Jorgensen* PRESIDENT  
 2797 PROFESSIONAL LAND SURVEYOR  
 STATE OF ILLINOIS  
 LAKE VILLA, ILLINOIS  
 LICENSE EXPIRATION DATE/NOVEMBER 30, 2002

NOTE: COORDINATES ARE GROUND VALUES AND CAN BE CONVERTED TO GRID VALUES BY MULTIPLYING THE PUBLISHED GRID COORDINATES BY AN AVERAGE COMBINED SCALE FACTOR OF 0.9999454, AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

| STATION    | OFFSET      | NORTH        | EAST         |
|------------|-------------|--------------|--------------|
| 12+642.047 | 16.603m Rt. | 614,081.7933 | 323,364.4294 |
| 12+642.266 | 22.695m Rt. | 614,075.6971 | 323,364.4643 |
| 12+718.760 | 19.998m Lt. | 614,114.9457 | 323,442.7384 |
| 12+800.000 | 19.998m Lt. | 614,111.4340 | 323,523.2895 |
| 12+840.372 | 14.663m Lt. | 614,105.2673 | 323,563.2792 |
| 12+840.462 | 9.781m Lt.  | 614,100.3842 | 323,563.3050 |
| 12+840.479 | 8.866m Lt.  | 614,099.4698 | 323,563.3098 |
| 12+840.687 | 2.419m Rt.  | 614,088.1826 | 323,563.3693 |
| 12+870.712 | 10.114m Lt. | 614,100.4884 | 323,593.7866 |
| 12+870.818 | 2.410m Rt.  | 614,087.9633 | 323,593.8526 |
| 12+887.164 | 10.224m Lt. | 614,100.5447 | 323,610.2387 |
| 12+902.404 | 10.226m Lt. | 614,100.4978 | 323,625.4787 |
| 12+963.352 | 9.017m Lt.  | 614,099.0912 | 323,686.4226 |



EXISTING R.O.W. RECORDED INFORMATION

| Parcel  | Document No. | Date Recorded    |
|---------|--------------|------------------|
| 1EB0037 | 249457       | December 2, 1924 |
| 1EB0038 | 251612       | January 22, 1925 |
| ---     | 251612       | January 22, 1925 |
| ---     | 3388019      | August 25, 1993  |

Schedule of Ties

| Point Number | Tie to point | Tie Distance (feet) |
|--------------|--------------|---------------------|
| 1            | T1           | 31.01               |
|              | T2           | 19.33               |
|              | T3           | 36.92               |
| 2            | T1           | 32.05               |
|              | T2           | 15.10               |
|              | T3           | 28.39               |
| 3            | T1           | 22.14               |
|              | T2           | 15.63               |
|              | T3           | 11.68               |
| 4            | T1           | 26.36               |
|              | T2           | 12.92               |
|              | T3           | 31.01               |

| PARCEL NUMBER          | OWNER  | TOTAL HOLDINGS ACRES | PART TAKEN ACRES | AREA IN EXISTING R.O.W. ACRES | REMAINDER AREA ACRES | EASEMENT AREA ACRES | EASEMENT PURPOSE      | PERMANENT INDEX NUMBER                  | PROPERTY ACQUIRED BY |
|------------------------|--|----------------------|------------------|-------------------------------|----------------------|---------------------|-----------------------|---|----------------------|
| 1EB0037<br>1EB0037T.E. | C. William Haberstroh as Trustee of the C. William Haberstroh Revocable Living Trust under Declaration of Trust dated June 1, 1989 | 19.993               | 2.477            | 1.054                         | 17.516               | 0.186               | Construction Purposes | 14-15-400-009-0010<br>14-15-400-009-011 |                      |
| 1EB0038                | The Residential Land Fund I, L.P., a Delaware limited partnership  | 93.788               | 0.112            | 0.093                         | 93.676               | N/A                 | N/A                   | 14-15-400-002(pt)                       |                      |

**PLAT OF HIGHWAYS**  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 F.A.P. 337 (ILLINOIS ROUTE 22)

SECTION LAKE COUNTY  
 PROJECT JOB NO. R-91-009-01  
 STATION 12+650 TO STATION 12+966.609  
 SCALE: 1:500/1"=12.7 SHEET 22 OF 26

BUREAU OF LAND ACQUISITION  
 201 WEST CENTER COURT  
 SCHAUMBURG, ILLINOIS 60196

| DATE | BY | MADE | CHECKED | BOOKED | NO. |
|------|----|------|---------|--------|-----|
|      |    |      |         |        |     |

LEGEND

SECTION CORNER 9 10 16 15  
 QUARTER SECTION CORNER 16 15

SECTION LINE  
 QUARTER SECTION LINE  
 QUARTER, QUARTER SECTION LINE  
 PLATTED LOT LINE  
 PROPERTY (DEED) LINE

APL  
 APPARENT PROPERTY LINE  
 CENTER LINE  
 EXISTING RIGHT OF WAY LINE  
 PROPOSED RIGHT OF WAY LINE  
 PROPOSED EASEMENT  
 MEASURED DIMENSION  
 COMPUTED DIMENSION  
 RECORD DATA U.S. FOOT  
 MEASURED DIMENSION U.S. FOOT

EXISTING BUILDING

SCALE: 1:1000

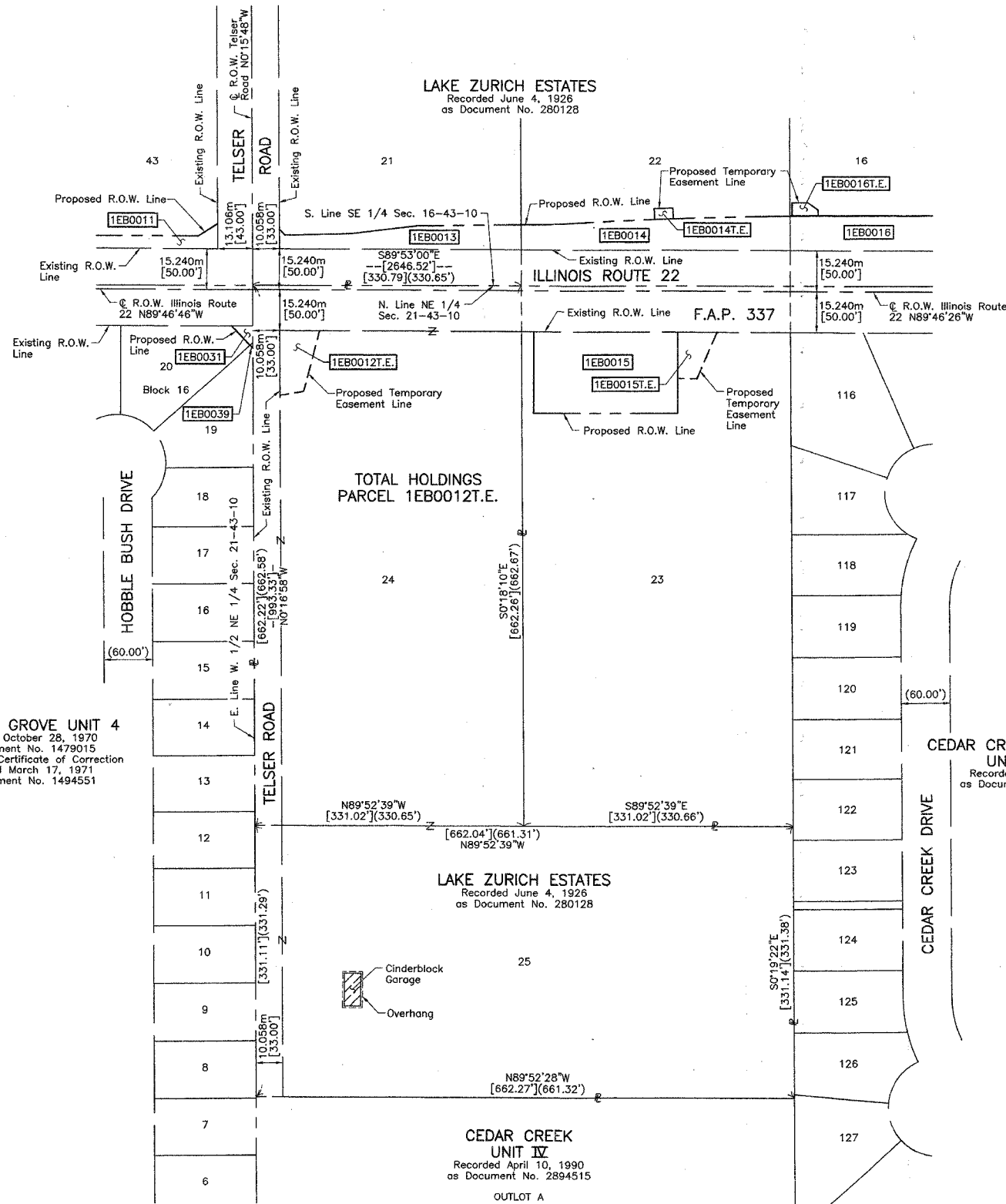
Bearings are referenced to the Illinois State Plane Coordinate System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

120.327m  
 129.325m(Comp.)

SCALE: 1:1000

30 20 10 0 25.4

|                           |       |
|---------------------------|-------|
| SECTION                   | 9 10  |
| COUNTY                    | LAKE  |
| RANGE                     | 10 E. |
| TOWNSHIP                  | 43 N. |
| SHEET NO.                 | 1-40  |
| TOTAL SHEETS              | 3/8   |
| ILLINOIS FED. AID PROJECT |       |
| CONTRACT NO.              | 80390 |



OLD MILL GROVE UNIT 4  
 Recorded October 28, 1970  
 as Document No. 1479015  
 Corrected by Certificate of Correction  
 Recorded March 17, 1971  
 as Document No. 1494551

CEDAR CREEK SUBDIVISION  
 UNIT THREE  
 Recorded April 6, 1987  
 as Document No. 2552499

LAKE ZURICH ESTATES  
 Recorded June 4, 1926  
 as Document No. 280128

CEDAR CREEK  
 UNIT IV  
 Recorded April 10, 1990  
 as Document No. 2894515  
 OUTLOT A



DATED AT LAKE VILLA, ILLINOIS THIS 21<sup>ST</sup> DAY OF November 20, 2022 A.D.  
 Christian H. Jorgensen PRESIDENT  
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2787  
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2002

JORGENSEN & ASSOCIATES, INC.  
 120 PARK AVENUE  
 LAKE VILLA, ILLINOIS 60046  
 (847) 356-3371

SHEET 1 IS A COVER  
 SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 F.A.P. 337 (ILLINOIS ROUTE 22)

SECTION LAKE COUNTY  
 PROJECT JOB NO. R-91-009-01  
 STATION NONE TO STATION  
 SCALE: 1:1000/1"=25.4 SHEET 23 OF 26

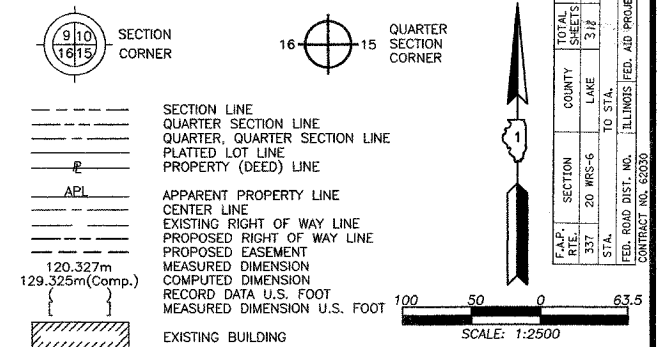
BUREAU OF LAND ACQUISITION  
 201 WEST CENTER COURT  
 SCHAUMBURG, ILLINOIS 60196

|             |      |
|-------------|------|
| ROW PLAT    | DATE |
| MADE        |      |
| CHECKED     |      |
| IN          |      |
| NOTEBOOK NO |      |



PART OF THE SW 1/4 OF SEC. 15 AND PART OF THE NW 1/4 OF SEC. 22, TWP. 43 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

LEGEND



Bearings are referenced to the Illinois State Plane Coordinate System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

○ IRON PIPE OR ROD FOUND      ⊕ "MAG" NAIL SET  
 + CUT CROSS FOUND OR SET      ● 5/8" REBAR SET

● T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS' REGISTRATION NUMBER.

● BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS' REGISTRATION NUMBER.

■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS' REGISTRATION NUMBER.

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⊙ PERMANENT SURVEY MARKER, I.D.O.T. STD 2135 (TO BE SET BY OTHERS)

□ RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS }  
 COUNTY OF LAKE }  
 SS

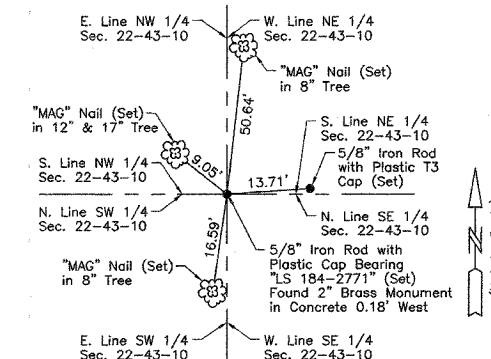
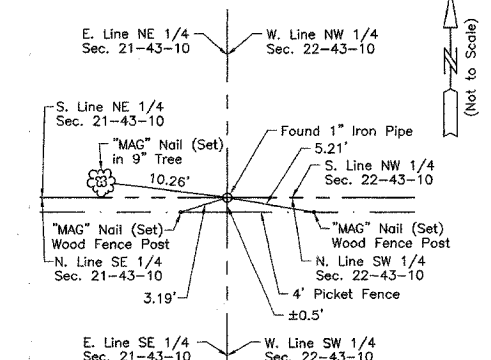
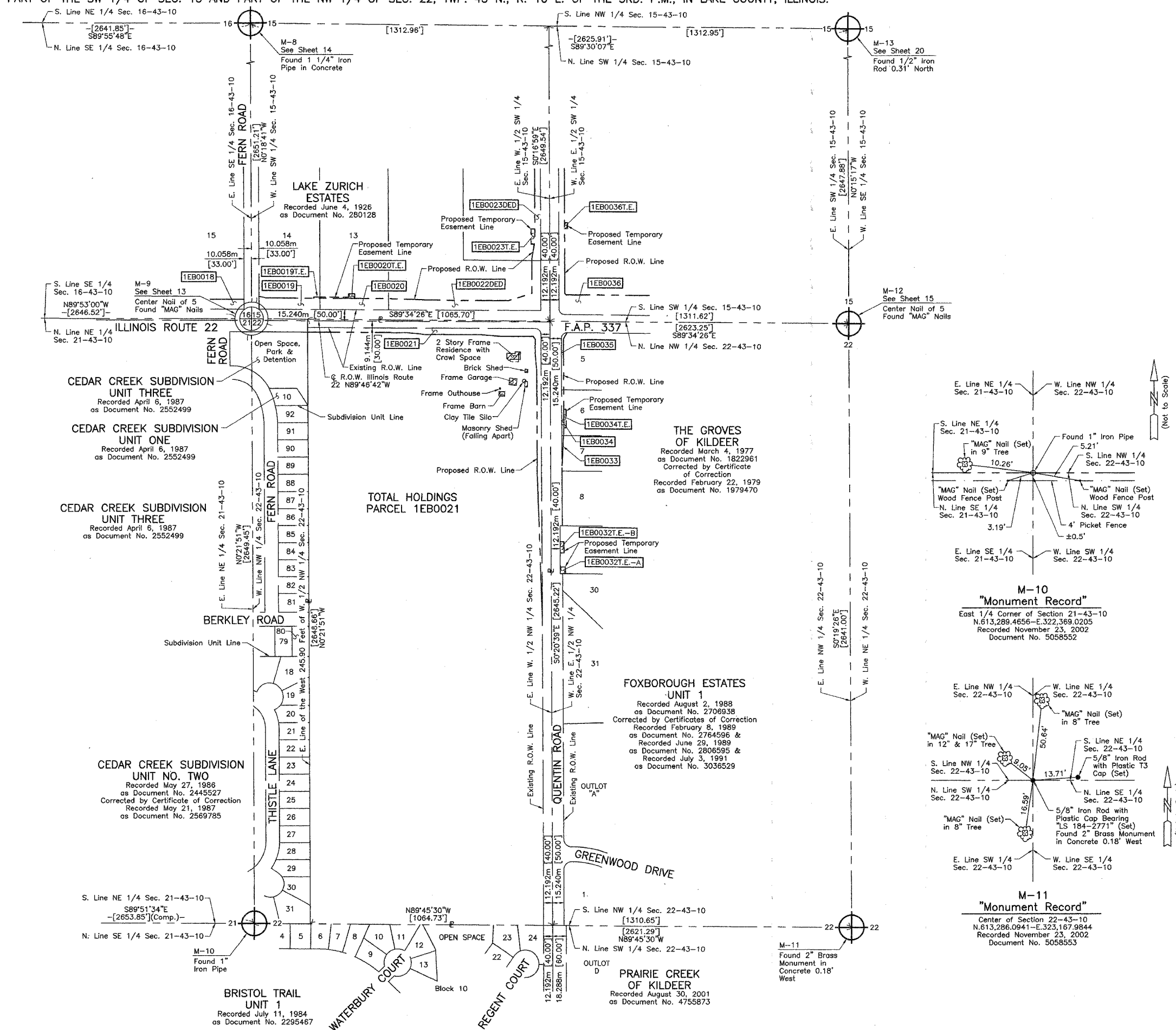
THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 15, TOWNSHIP 43N., RANGE 10E. AND SECTION 22, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 25th DAY OF November 2002 A.D.

*Christian H. Jorgensen* PRESIDENT  
 2787 PROFESSIONAL LAND SURVEYOR NO. 35-2797  
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2002

NOTE: COORDINATES ARE GROUND VALUES AND CAN BE CONVERTED TO GRID VALUES BY MULTIPLYING THE PUBLISHED GROUND COORDINATES BY AN AVERAGE COMBINED SCALE FACTOR OF 0.9999454, AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

|          |              |
|----------|--------------|
| BY       | DATE         |
|          |              |
| MADE     | CHECKED      |
|          |              |
| ROW PLAT | NOTEBOOK NO. |
|          |              |



JORGENSEN & ASSOCIATES, INC.  
 120 PARK AVENUE LAKE VILLA, ILLINOIS 60046 (847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

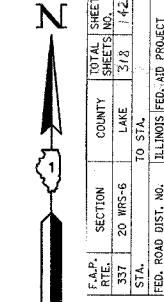
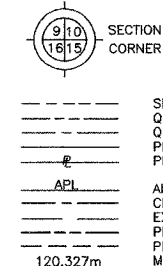
**PLAT OF HIGHWAYS**  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 F.A.P. 337 (ILLINOIS ROUTE 22)

SECTION LAKE COUNTY  
 PROJECT JOB NO. R-91-009-01  
 STATION NONE TO STATION SHEET 24 OF 26  
 SCALE: 1:2500/1"=63.5'

BUREAU OF LAND ACQUISITION  
 201 WEST CENTER COURT  
 SCHAUMBURG, ILLINOIS 60196

PART OF THE S. 1/2 OF SEC. 15, TWP. 43 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

# LEGEND



|            |                            |              |       |         |    |         |    |
|------------|----------------------------|--------------|-------|---------|----|---------|----|
| F.A.P. NO. | 337                        | SECTION      | 20    | TWP.    | 43 | RANGE   | 10 |
|            | 337                        |              | 20    |         | 43 |         | 10 |
| SHEET NO.  | 142                        | COUNTY       | LAKE  | SECTION | 15 | TO STA. |    |
| PROJECT    | ILLINOIS FEED. AND PROJECT | CONTRACT NO. | 82030 |         |    |         |    |

Scale: 1:2500

Bearings are referenced to the Illinois State Plane Coordinate System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

- IRON PIPE OR ROD FOUND     ● "MAG" NAIL SET
- + CUT CROSS FOUND OR SET     ● 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS }  
 COUNTY OF LAKE } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 15, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 25th DAY OF November 2002 A.D.



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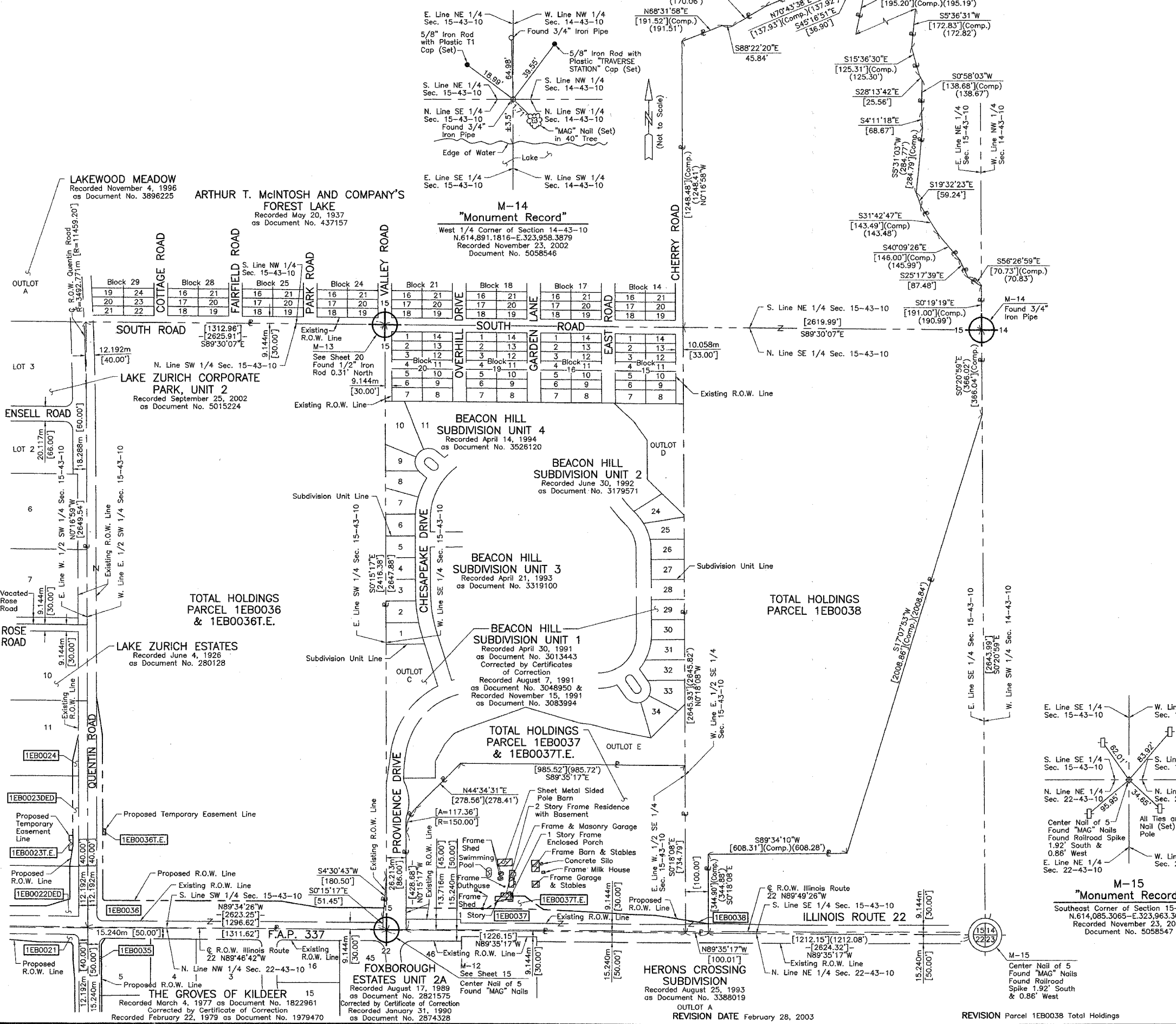
JORGENSEN & ASSOCIATES, INC.  
120 PARK AVENUE  
LAKE VILLA, ILLINOIS 60046  
(847) 356-3371

**PLAT OF HIGHWAYS**  
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
 F.A.P. 337 (ILLINOIS ROUTE 22)

SECTION \_\_\_\_\_ LAKE COUNTY  
 PROJECT \_\_\_\_\_ JOB NO. R-91-009-01  
 STATION NONE TO STATION  
 SCALE: 1:2500/1"=63.5 SHEET 25 OF 26

**BUREAU OF LAND ACQUISITION**  
 201 WEST CENTER COURT  
 SCHAUMBURG, ILLINOIS 60196

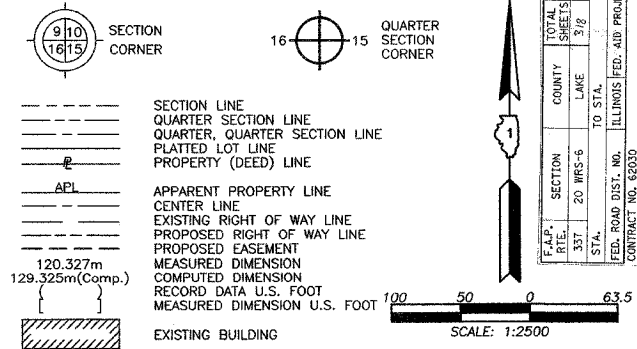
AS DOCUMENT NO. \_\_\_\_\_



| BY       | DATE | MADE | CHECKED | LINKED | NOTED | NO. |
|----------|------|------|---------|--------|-------|-----|
|          |      |      |         |        |       |     |
| ROW PLAT |      |      |         |        |       |     |
| NOTEBOOK |      |      |         |        |       |     |

PART OF THE S. 1/2 OF SEC. 15, PART OF THE SE 1/4 OF SEC. 16, PART OF THE N. 1/2 OF SEC. 21 AND PART OF THE NW 1/4 OF SEC. 22, TWP. 43 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

LEGEND



Bearings are referenced to the Illinois State Plane Coordinate System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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- PERMANENT SURVEY MARKER, I.D.O.T. STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS }  
COUNTY OF LAKE }SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 15, TOWNSHIP 43N., RANGE 10E. AND SECTION 21, TOWNSHIP 43N., RANGE 10E., OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 21<sup>ST</sup> DAY OF November 2022 A.D.

NOTE: COORDINATES ARE GROUND VALUES AND CAN BE CONVERTED TO GRID VALUES BY MULTIPLYING THE PUBLISHED GROUND COORDINATES BY AN AVERAGE COMBINED SCALE FACTOR OF 0.9999454, AS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

CHRISTIAN H. JORGENSEN  
2797 PROFESSIONAL LAND SURVEYOR  
STATE OF ILLINOIS  
LAKE VILLA, ILLINOIS

CHRISTIAN H. JORGENSEN  
PRESIDENT  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797  
LICENSE EXPIRATION DATE: NOVEMBER 30, 2022

Existing P.O.T. Quentin Road  
Sta. 0+391.769  
N.613,493.0735-E.322,767.2869

JORGENSEN & ASSOCIATES, INC.  
120 PARK AVENUE  
LAKE VILLA, ILLINOIS 60046  
(847) 356-3371

PLAT OF HIGHWAYS  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
F.A.P. 337 (ILLINOIS ROUTE 22)

SECTION LAKE COUNTY  
PROJECT JOB NO. R-91-009-01  
STATION 0+391.769 TO STATION 1+550.000  
STATION 10+027.522 TO STATION 12+966.609  
SCALE: 1:2500/1"=63.5 SHEET 26 OF 26

BUREAU OF LAND ACQUISITION  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196

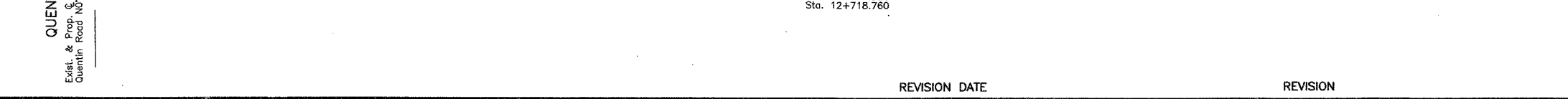
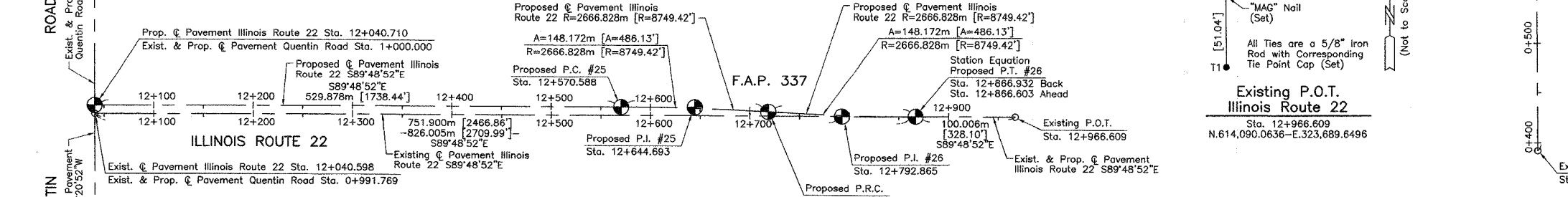
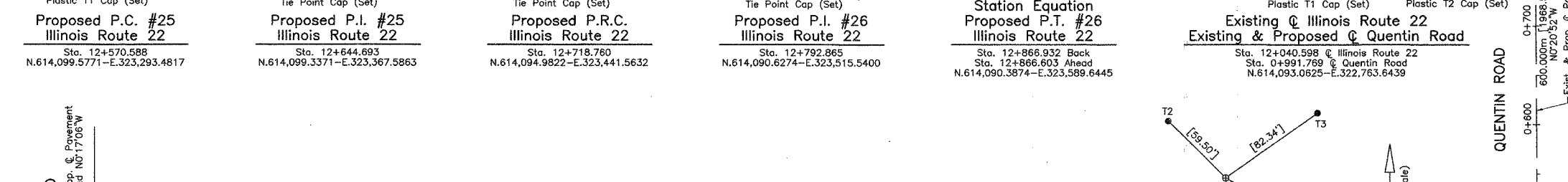
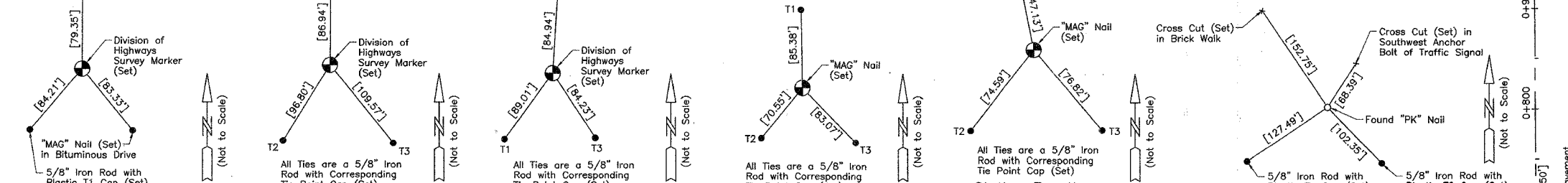
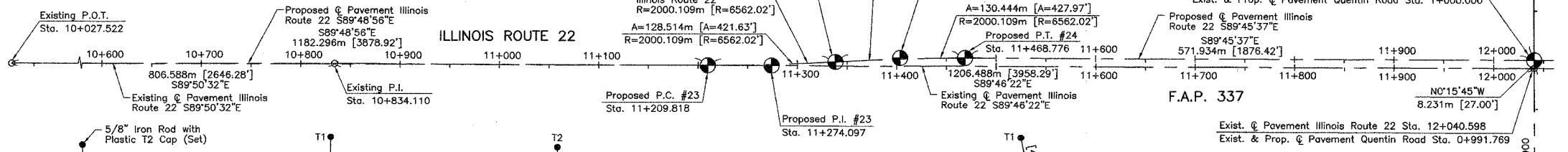
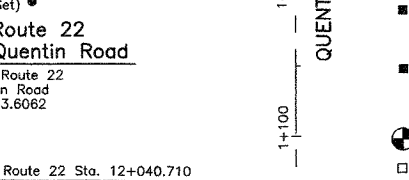
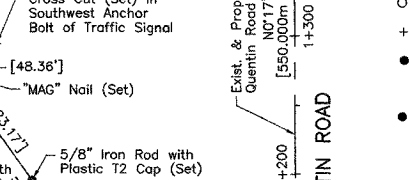
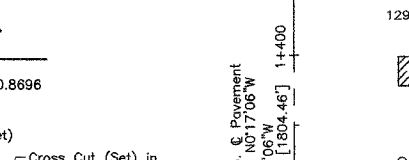
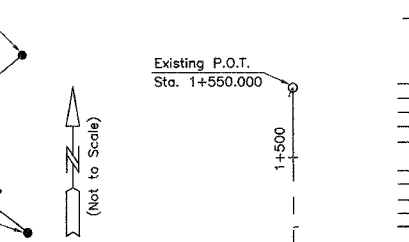
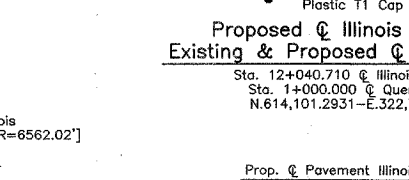
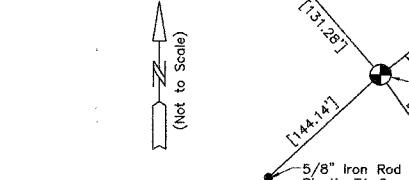
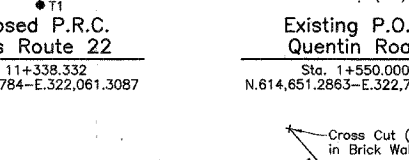
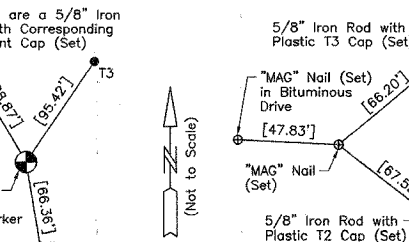
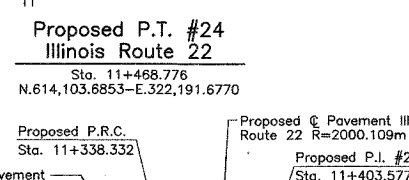
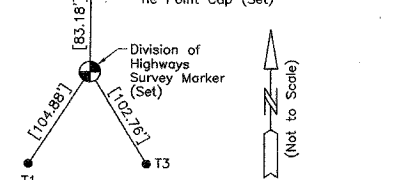
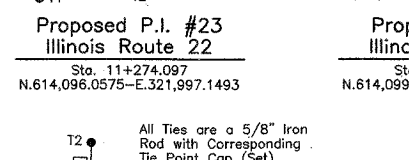
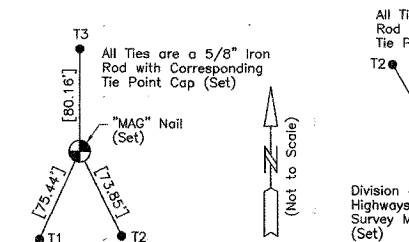
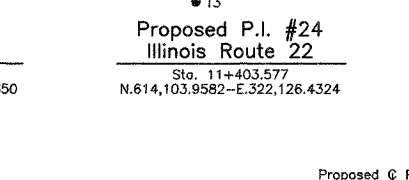
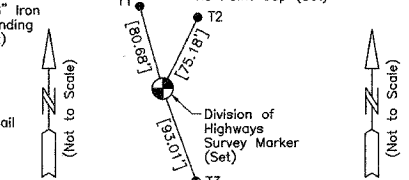
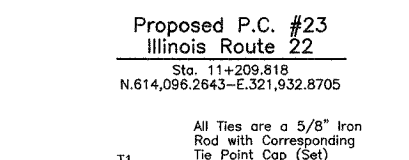
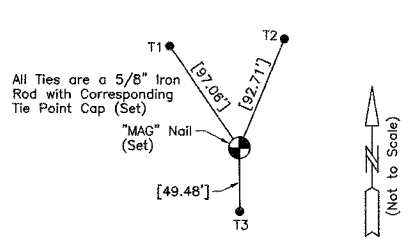
AS DOCUMENT NO.

Proposed Pavement Illinois Route 22 Curve #23  
P.I. = Sta. 11+274.097  
Δ = 3°40'53"  
R = 2000.109m [6562.02']  
T = 64.279m [210.89']  
L = 128.514m [421.63']  
E = 1.033m [3.39']  
P.C. = Sta. 11+209.818  
P.R.C. = Sta. 11+338.332

Proposed Pavement Illinois Route 22 Curve #25  
P.I. = Sta. 12+644.693  
Δ = 3°11'00"  
R = 2666.828m [8749.42']  
T = 74.105m [243.13']  
L = 148.172m [486.13']  
E = 1.029m [3.38']  
P.C. = Sta. 12+570.588  
P.R.C. = Sta. 12+718.760

Proposed Pavement Illinois Route 22 Curve #24  
P.I. = Sta. 11+403.577  
Δ = 3°44'12"  
R = 2000.109m [6562.02']  
T = 65.245m [214.06']  
L = 130.444m [427.97']  
E = 1.064m [3.49']  
P.C. = Sta. 11+338.332  
P.T. = Sta. 11+468.776

Proposed Pavement Illinois Route 22 Curve #26  
P.I. = Sta. 12+792.865  
Δ = 3°11'00"  
R = 2666.828m [8749.42']  
T = 74.105m [243.13']  
L = 148.172m [486.13']  
E = 1.029m [3.38']  
P.R.C. = Sta. 12+718.760  
P.T. = Sta. 12+866.932

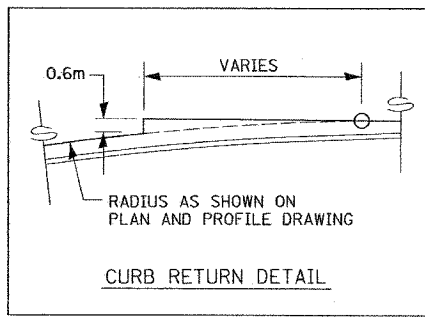
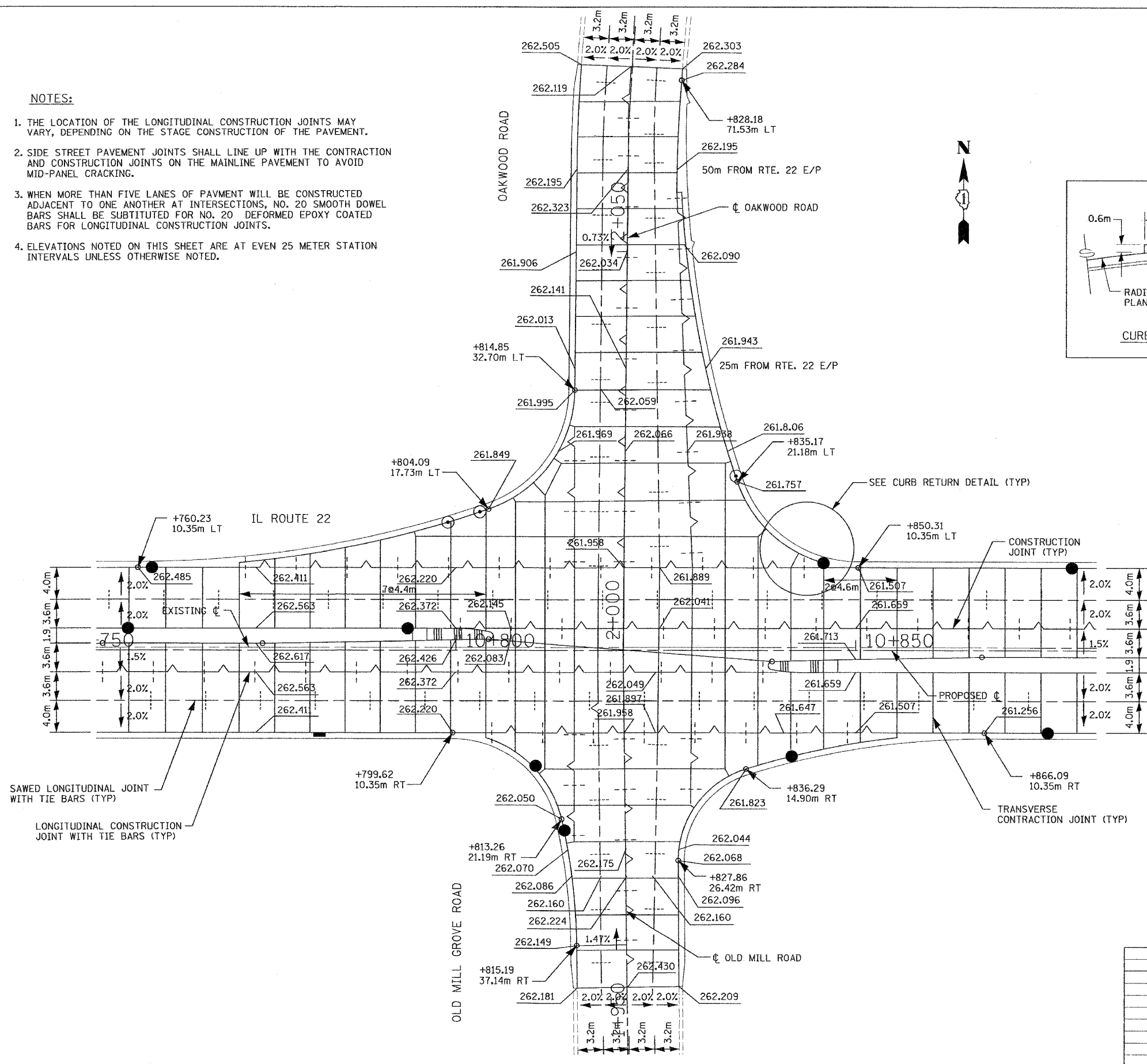


ROUTE F.A.P. 337 (ILLINOIS ROUTE 22) SECTION COUNTY LAKE JOB NO. R-91-009-01 RECORDING: RECORDED ON

|                     |          |                           |              |           |
|---------------------|----------|---------------------------|--------------|-----------|
| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE                      | 318          | 144       |
| STA.                | TO STA.  |                           |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 62030  |          |                           |              |           |

**NOTES:**

1. THE LOCATION OF THE LONGITUDINAL CONSTRUCTION JOINTS MAY VARY, DEPENDING ON THE STAGE CONSTRUCTION OF THE PAVEMENT.
2. SIDE STREET PAVEMENT JOINTS SHALL LINE UP WITH THE CONTRACTION AND CONSTRUCTION JOINTS ON THE MAINLINE PAVEMENT TO AVOID MID-PANEL CRACKING.
3. WHEN MORE THAN FIVE LANES OF PAVEMENT WILL BE CONSTRUCTED ADJACENT TO ONE ANOTHER AT INTERSECTIONS, NO. 20 SMOOTH DOWEL BARS SHALL BE SUBSTITUTED FOR NO. 20 DEFORMED EPOXY COATED BARS FOR LONGITUDINAL CONSTRUCTION JOINTS.
4. ELEVATIONS NOTED ON THIS SHEET ARE AT EVEN 25 METER STATION INTERVALS UNLESS OTHERWISE NOTED.



SAWED LONGITUDINAL JOINT WITH TIE BARS (TYP)

LONGITUDINAL CONSTRUCTION JOINT WITH TIE BARS (TYP)

TRANSVERSE CONTRACTION JOINT (TYP)

SEE CURB RETURN DETAIL (TYP)

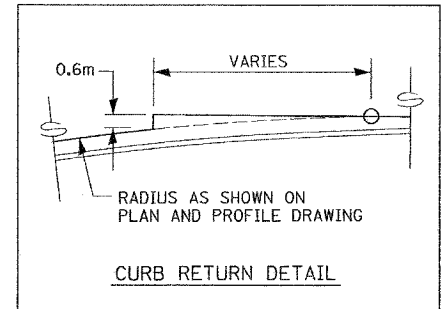
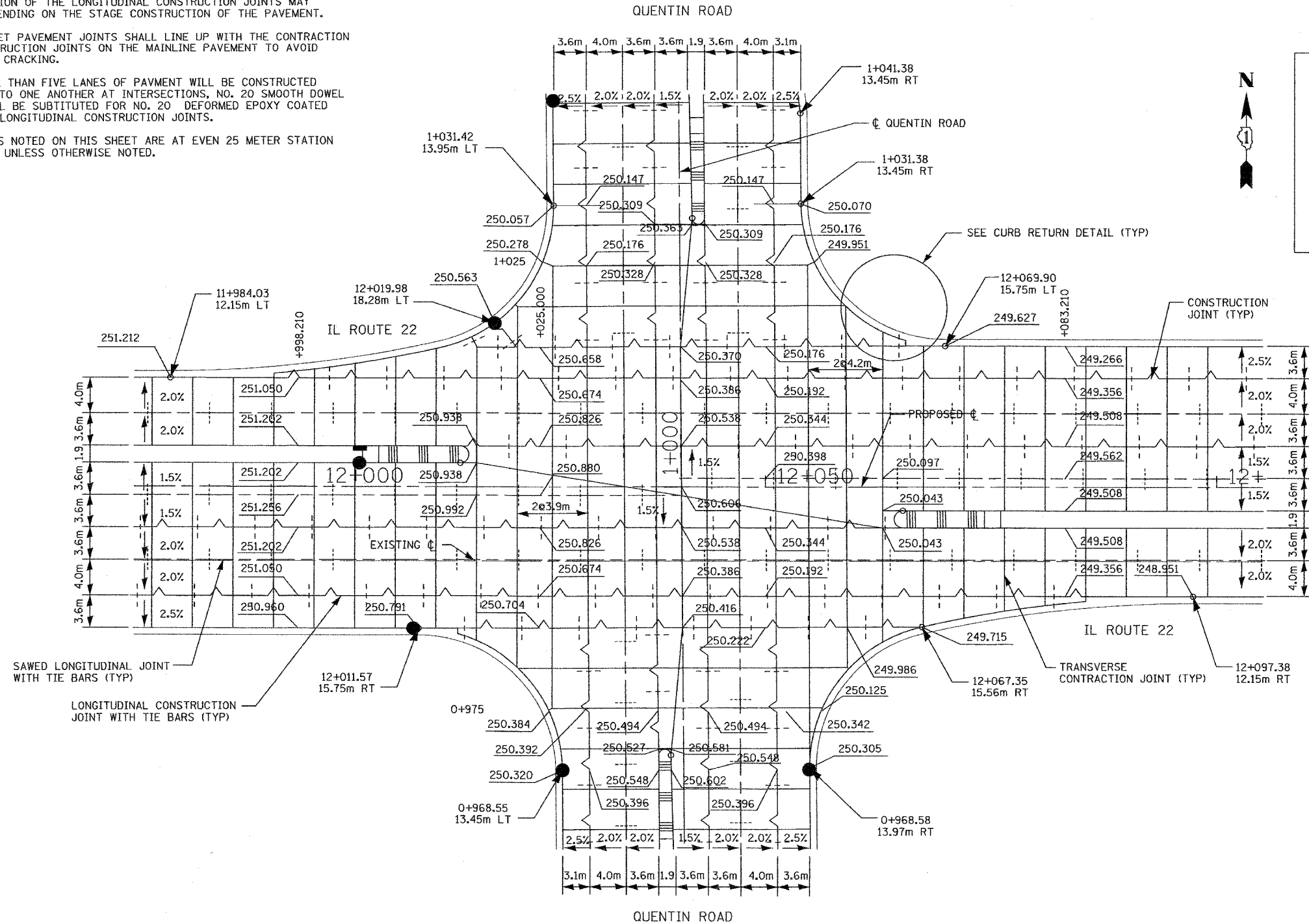
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ILLINOIS ROUTE 22  
 INTERSECTION PAVEMENT JOINT  
 LOCATION AND ELEVATIONS  
 ILLINOIS ROUTE 22  
 AT OAKWOOD ROAD/OLD MILL GROVE ROAD  
 SCALE IN METERS  
 HORIZ. (1:250) 5 0 5  
 DATE 03/11/05 DRAWN BY SMP  
 CHECKED BY BOH

|                     |                           |        |              |           |
|---------------------|---------------------------|--------|--------------|-----------|
| F.A.P. RTE.         | SECTION                   | COUNTY | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6                  | LAKE   | 318          | 145       |
| STA.                | TO STA.                   |        |              |           |
| FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT |        |              |           |
| CONTRACT NO. 62030  |                           |        |              |           |

**NOTES:**

1. THE LOCATION OF THE LONGITUDINAL CONSTRUCTION JOINTS MAY VARY, DEPENDING ON THE STAGE CONSTRUCTION OF THE PAVEMENT.
2. SIDE STREET PAVEMENT JOINTS SHALL LINE UP WITH THE CONTRACTION AND CONSTRUCTION JOINTS ON THE MAINLINE PAVEMENT TO AVOID MID-PANEL CRACKING.
3. WHEN MORE THAN FIVE LANES OF PAVEMENT WILL BE CONSTRUCTED ADJACENT TO ONE ANOTHER AT INTERSECTIONS, NO. 20 SMOOTH DOWEL BARS SHALL BE SUBSTITUTED FOR NO. 20 DEFORMED EPOXY COATED BARS FOR LONGITUDINAL CONSTRUCTION JOINTS.
4. ELEVATIONS NOTED ON THIS SHEET ARE AT EVEN 25 METER STATION INTERVALS UNLESS OTHERWISE NOTED.



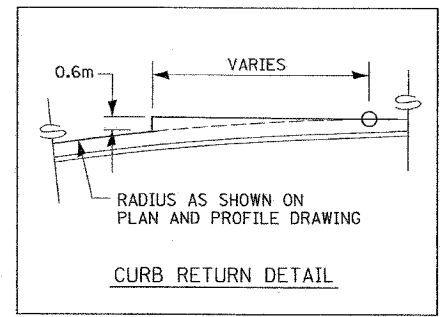
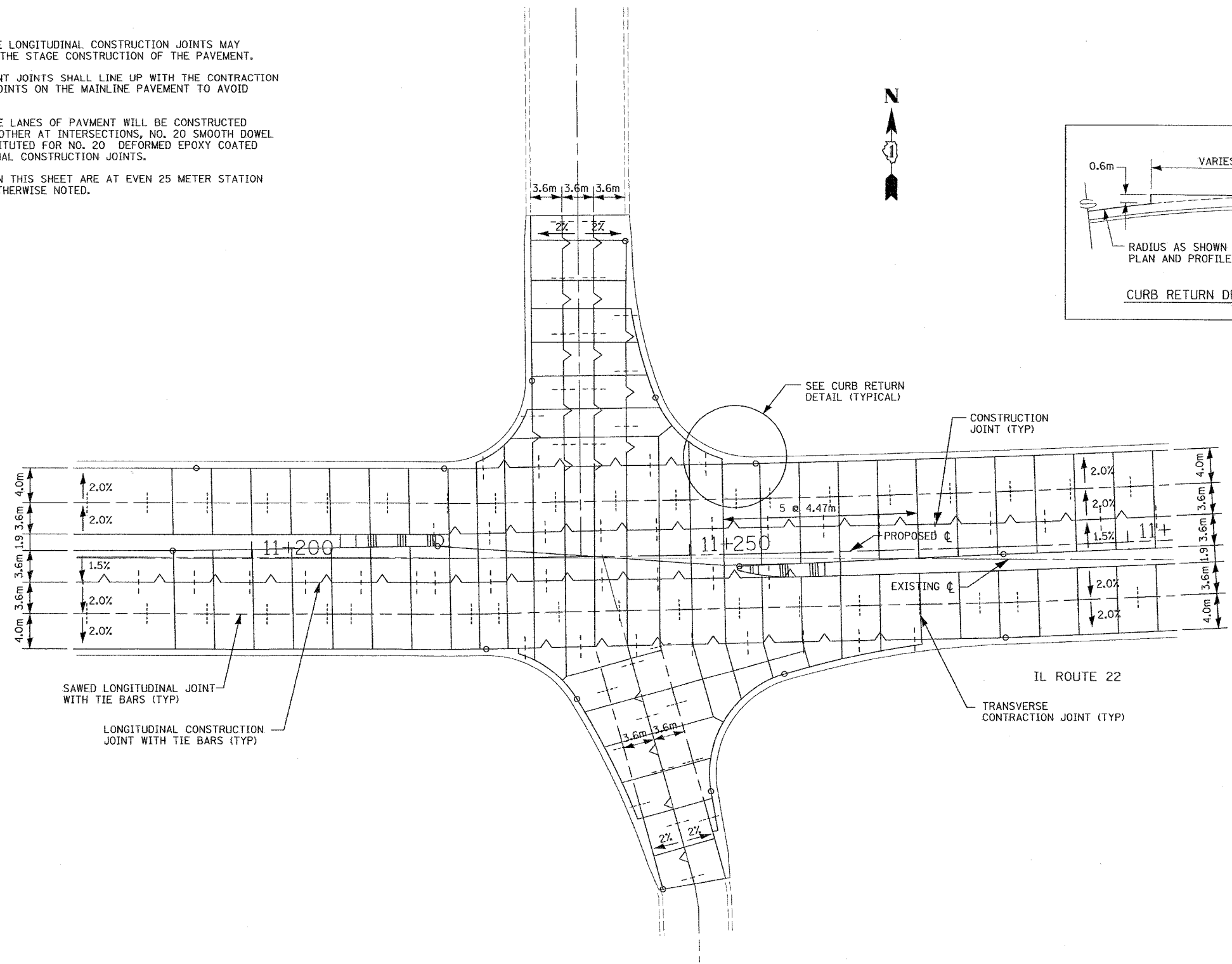
| REVISIONS |      | ILLINOIS DEPARTMENT OF TRANSPORTATION<br>ILLINOIS ROUTE 22<br>INTERSECTION PAVEMENT JOINT<br>LOCATION AND ELEVATIONS<br>ILLINOIS ROUTE 22<br>AT QUENTIN ROAD<br>SCALE IN METERS<br>HORIZ. (1:250) | DRAWN BY SMP<br>DATE 03/11/05 |
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| NAME      | DATE |   |                               |
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| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE                      | 3/8          | 146       |
| STA.                |          | TO STA.                   |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 62030  |          |                           |              |           |

**NOTES:**

1. THE LOCATION OF THE LONGITUDINAL CONSTRUCTION JOINTS MAY VARY, DEPENDING ON THE STAGE CONSTRUCTION OF THE PAVEMENT.
2. SIDE STREET PAVEMENT JOINTS SHALL LINE UP WITH THE CONTRACTION AND CONSTRUCTION JOINTS ON THE MAINLINE PAVEMENT TO AVOID MID-PANEL CRACKING.
3. WHEN MORE THAN FIVE LANES OF PAVMENT WILL BE CONSTRUCTED ADJACENT TO ONE ANOTHER AT INTERSECTIONS, NO. 20 SMOOTH DOWEL BARS SHALL BE SUBSTITUTED FOR NO. 20 DEFORMED EPOXY COATED BARS FOR LONGITUDINAL CONSTRUCTION JOINTS.
4. ELEVATIONS NOTED ON THIS SHEET ARE AT EVEN 25 METER STATION INTERVALS UNLESS OTHERWISE NOTED.



SAWED LONGITUDINAL JOINT WITH TIE BARS (TYP)  
LONGITUDINAL CONSTRUCTION JOINT WITH TIE BARS (TYP)

SEE CURB RETURN DETAIL (TYPICAL)  
CONSTRUCTION JOINT (TYP)

PROPOSED  $\phi$   
EXISTING  $\phi$

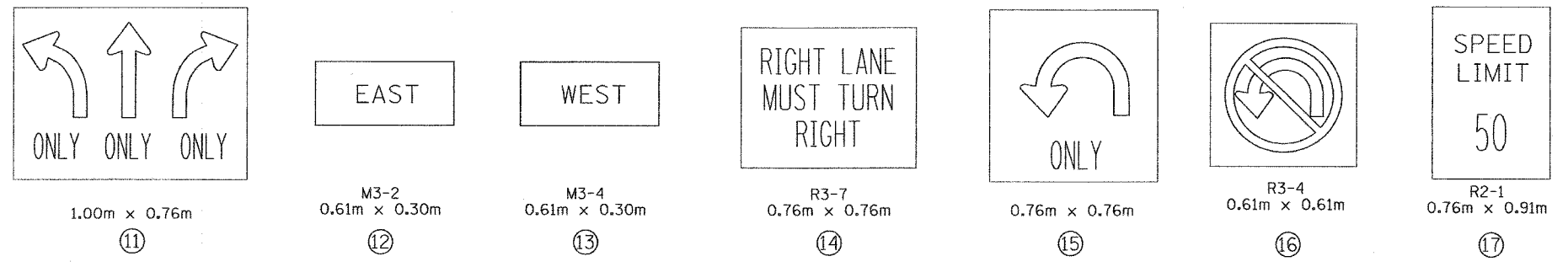
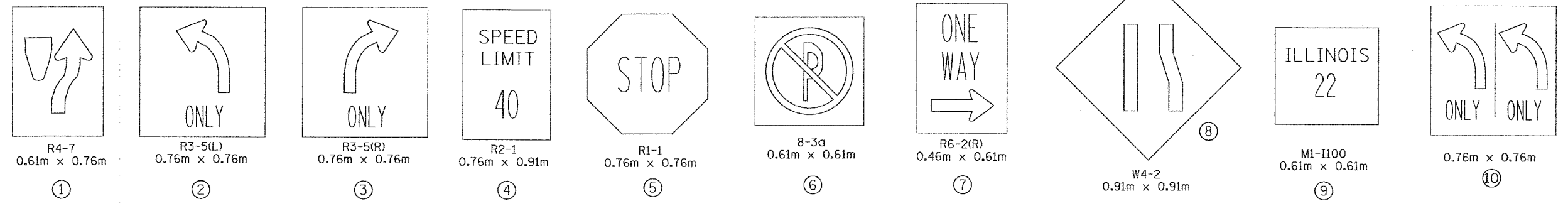
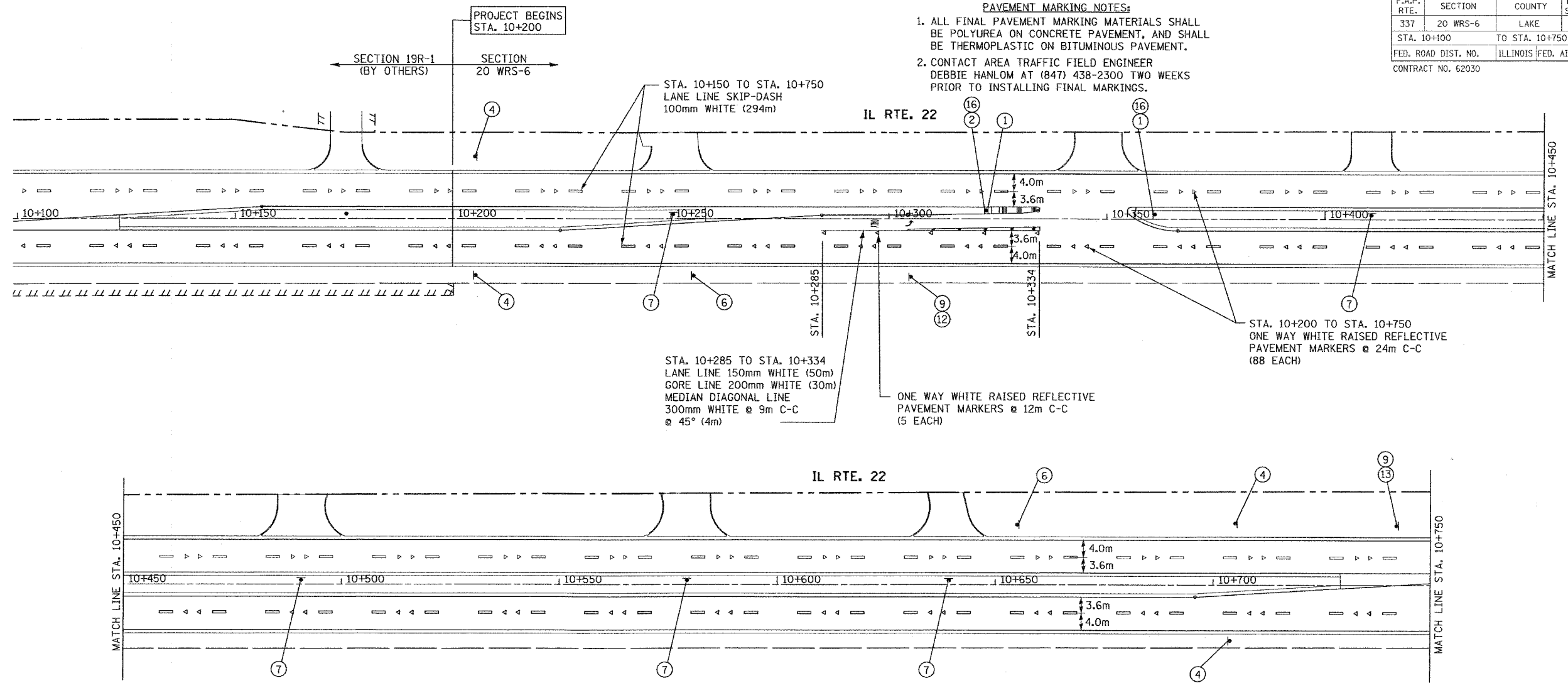
IL ROUTE 22  
TRANSVERSE CONTRACTION JOINT (TYP)

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ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
TYPICAL INTERSECTION  
PAVEMENT JOINT LOCATIONS  
ILLINOIS ROUTE 22  
SCALE IN METERS  
HORIZ. (1:250) DRAWN BY SMP  
DATE 03/11/05 CHECKED BY BDH

| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
|---------------------|----------|---------------------------|--------------|-----------|
| 337                 | 20 WRS-6 | LAKE                      | 38           | 147       |
| STA. 10+100         |          | TO STA. 10+750            |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 62030  |          |                           |              |           |

**PAVEMENT MARKING NOTES:**  
 1. ALL FINAL PAVEMENT MARKING MATERIALS SHALL BE POLYUREA ON CONCRETE PAVEMENT, AND SHALL BE THERMOPLASTIC ON BITUMINOUS PAVEMENT.  
 2. CONTACT AREA TRAFFIC FIELD ENGINEER DEBBIE HANLON AT (847) 438-2300 TWO WEEKS PRIOR TO INSTALLING FINAL MARKINGS.



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ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22

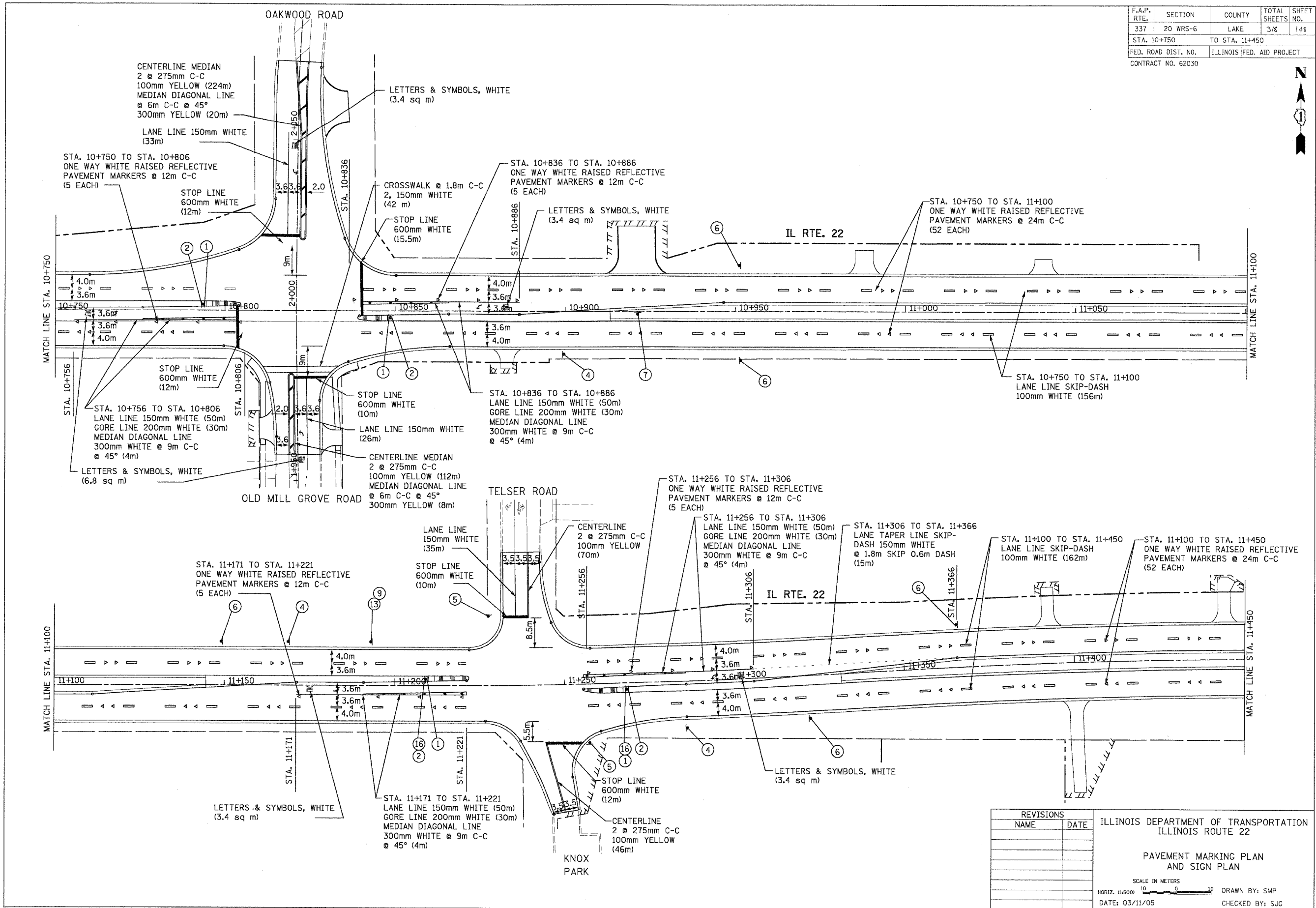
PAVEMENT MARKING PLAN  
AND SIGN PLAN

SCALE IN METERS  
HORIZ. (1:500) 0 10 20

DATE: 03/11/05

DRAWN BY: SMP  
CHECKED BY: SJG

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| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE                      | 3/8          | 1/8       |
| STA. 10+750         |          | TO STA. 11+450            |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 62030  |          |                           |              |           |

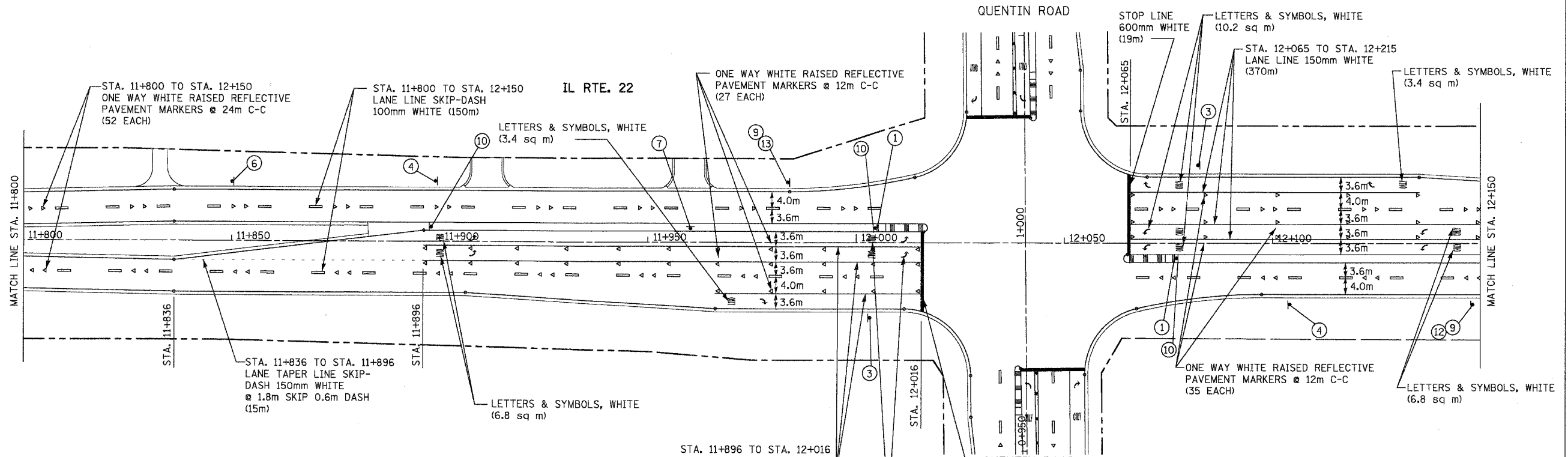
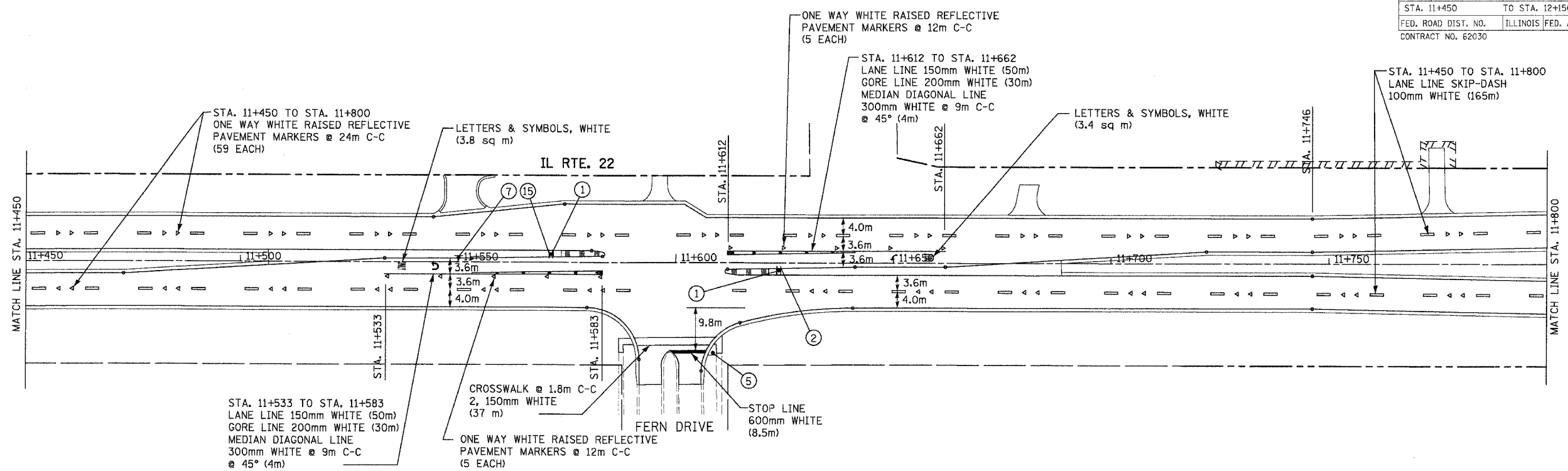
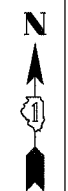


| REVISIONS |      | ILLINOIS DEPARTMENT OF TRANSPORTATION<br>ILLINOIS ROUTE 22 |
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| NAME      | DATE |  |
|           |      | PAVEMENT MARKING PLAN<br>AND SIGN PLAN                     |
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SCALE IN METERS  
 HORIZ. 1:500 DRAWN BY: SMP  
 DATE: 03/11/05 CHECKED BY: SJC

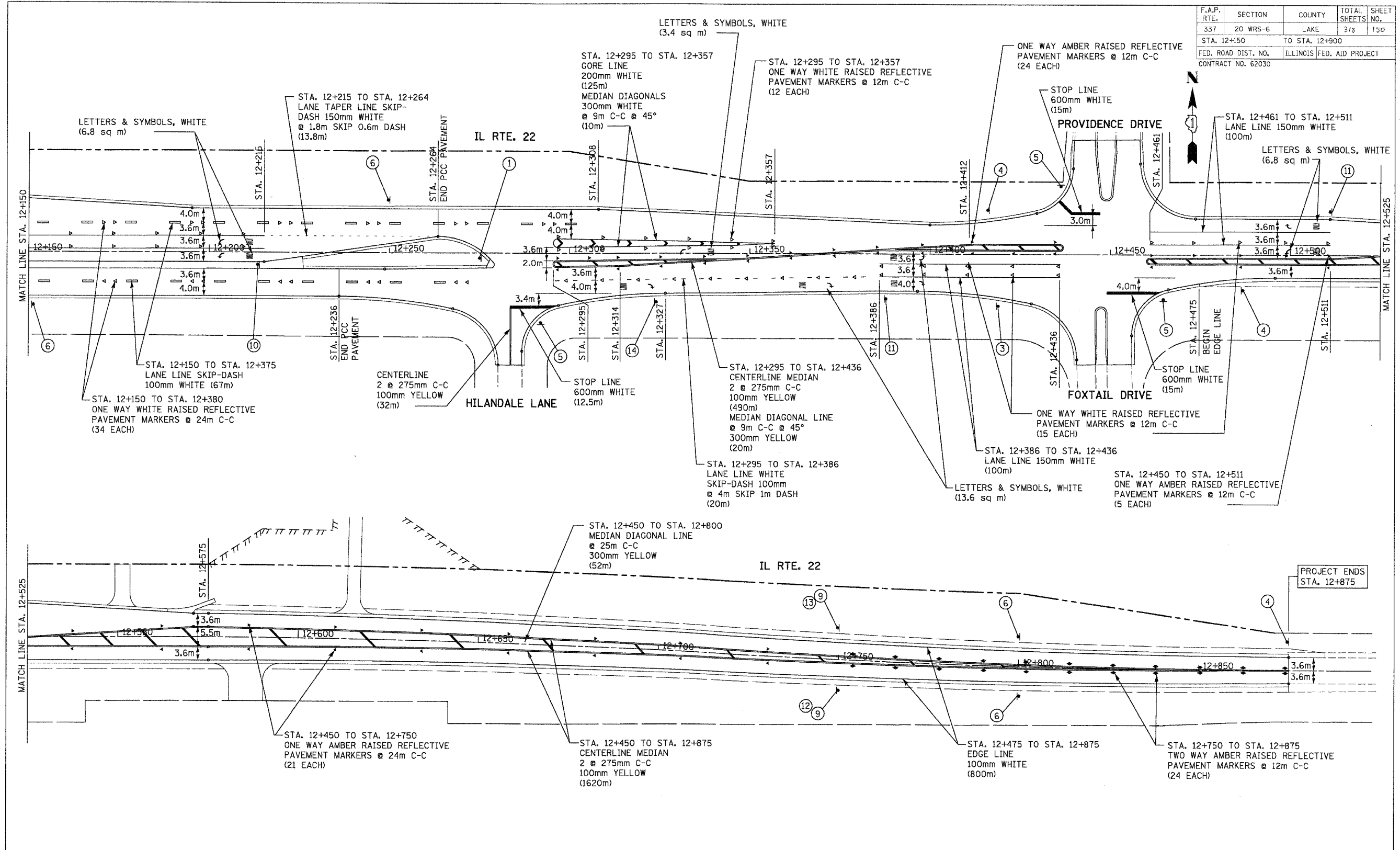


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| F.A.P. RTE.         | SECTION  | COUNTY           | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE             | 313          | 147       |
| STA. 11+450         |          | TO STA. 12+150   |              |           |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT |              |           |
| CONTRACT NO. 62030  |          |                  |              |           |



| REVISIONS |      | ILLINOIS DEPARTMENT OF TRANSPORTATION<br>ILLINOIS ROUTE 22<br>PAVEMENT MARKING PLAN<br>AND SIGN PLAN |
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| NAME      | DATE |  |
|           |      | SCALE IN METERS<br>HORIZ. 1:15000<br>DATE: 03/11/05<br>DRAWN BY: SMP<br>CHECKED BY: JSG              |
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| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
|---------------------|----------|---------------------------|--------------|-----------|
| 337                 | 20 WRS-6 | LAKE                      | 3/3          | 150       |
| STA. 12+150         |          | TO STA. 12+900            |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |
|                     |          | CONTRACT NO. 62030        |              |           |



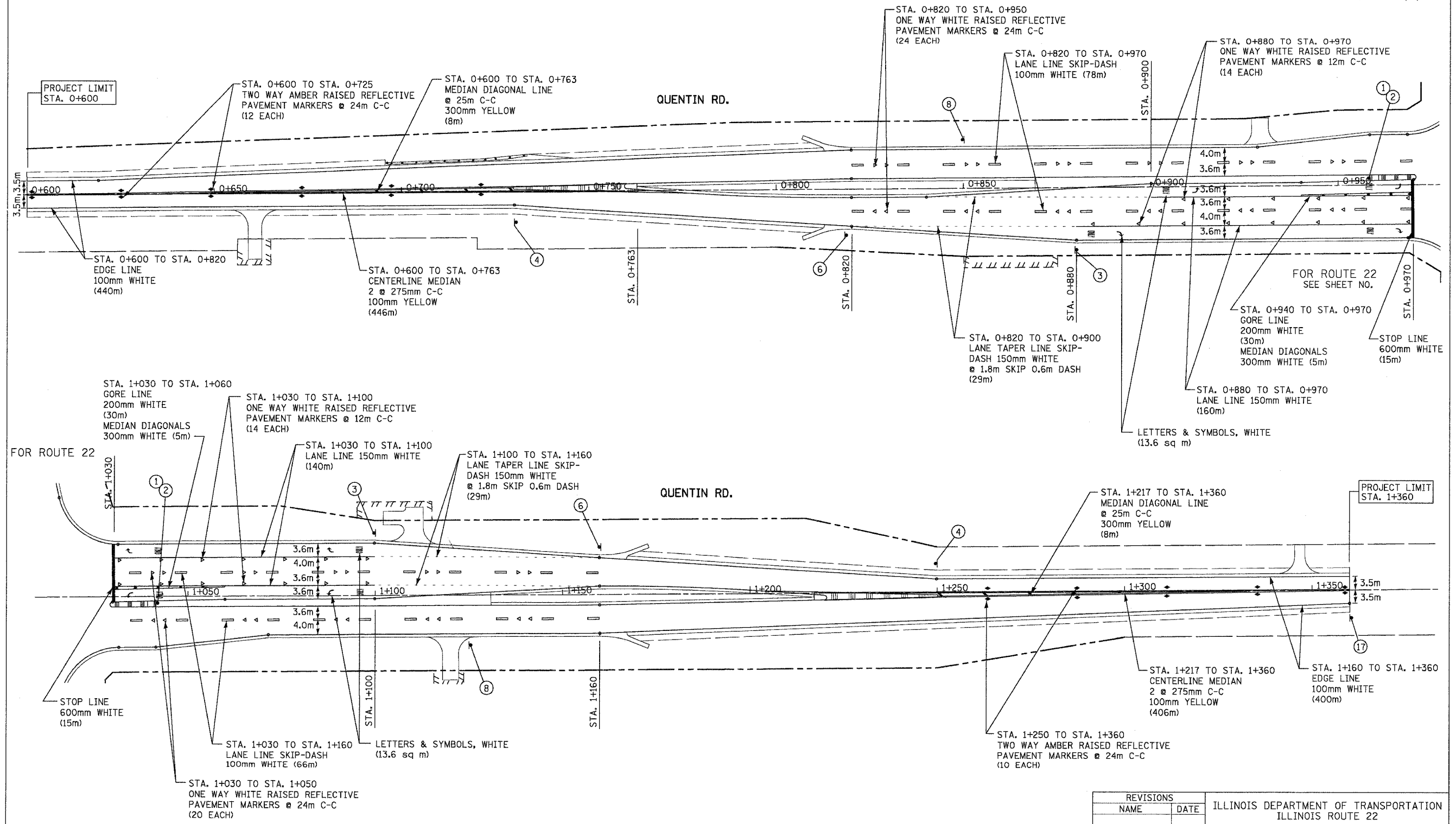
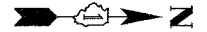
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22

PAVEMENT MARKING PLAN  
AND SIGN PLAN

SCALE IN METERS  
HORIZ. (1:500) DRAWN BY: SMP  
DATE: 03/11/05 CHECKED BY: SJG

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|---------------------|----------|---------------------------|--------------|-----------|
| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE                      | 3/8          | 1/1       |
| STA. 0+600          |          | TO STA. 1+375             |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 62030  |          |                           |              |           |

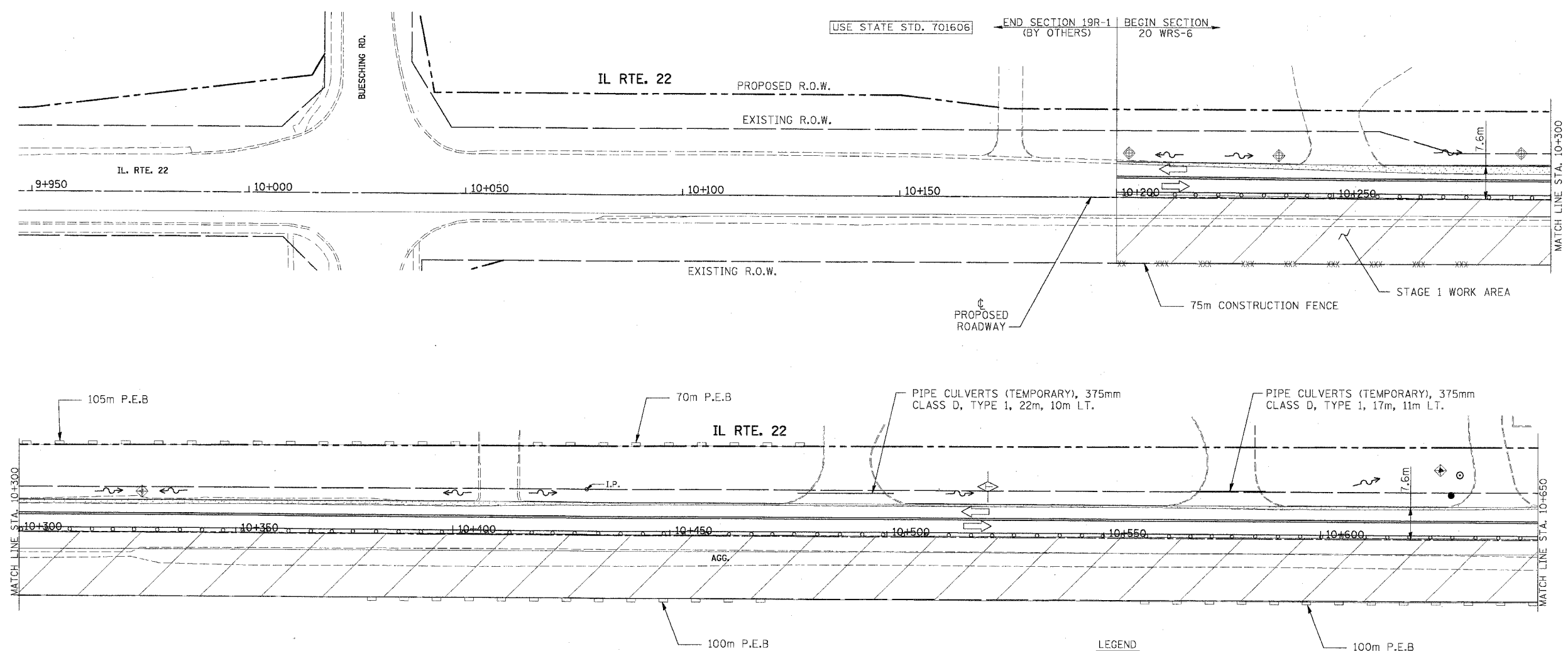


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ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
PAVEMENT MARKING PLAN  
AND SIGN PLAN  
QUENTIN ROAD

SCALE IN METERS  
HORIZ. (1:500) 0 10 20  
DATE: 03/11/05  
DRAWN BY: SMP  
CHECKED BY: SJG

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|---------------------|----------|---------------------------|--------------|-----------|
| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE                      | 318          | 152       |
| STA. 9+950          |          | TO STA. 10+650            |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 62030  |          |                           |              |           |



**TEMPORARY EROSION CONTROL NOTES**

1. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE LAND IS OTHERWISE DISTURBED ON THE SITE.
2. IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN 3 DAYS, THEN SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSTALLED DURING CONSTRUCTION.
3. STORM SEWER INLETS SHALL BE PROTECTED WITH SEDIMENT TRAPPING OR FILTER CONTROL DEVICES DURING CONSTRUCTION.
4. THE QUANTITIES SHOWN FOR INLET & PIPE PROTECTION AND TEMPORARY DITCH CHECKS ARE SUFFICIENT FOR ONE (1) SETUP AND THREE (3) REPLACEMENTS.
5. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES IN SERVICEABLE CONDITION AT ALL TIMES. EROSION CONTROL MEASURES WILL BE INSPECTED WITHIN 24 HOURS OF ANY STORM EXCEEDING 0.5 INCHES OF PRECIPITATION.
6. ALL CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORM WATER PERMIT FOR THIS PROJECT.

7. AS WORK PROGRESSES, ALL SLOPES 1:3 OR GREATER SHALL RECEIVE TEMPORARY EROSION CONTROL SEEDING AND EROSION CONTROL BLANKET IMMEDIATELY. ALL FLATTER AREAS THAT DO NOT HAVE A COVER OF VEGETATION, AND WHERE NO FURTHER WORK IS TO OCCUR FOR ONE MONTH OR MORE, SHALL BE TEMPORARILY SEEDED WITHIN SEVEN (7) CALENDAR DAYS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. A SUFFICIENT QUANTITY OF TEMPORARY EROSION CONTROL SEEDING IS INCLUDED TO COVER THE LIMITS OF PERMANENT LANDSCAPING.
8. TEMPORARY DITCH CHECKS SHALL BE PLACED IMMEDIATELY AFTER DITCH GRADING (OR CLEANING AND REGRADING) IS COMPLETED.
9. ALL PROPOSED OPEN LID DRAINAGE STRUCTURES SHALL BE PROTECTED AS DIRECTED BY THE ENGINEER WITH INLET FILTERS, AND THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "INLET FILTERS". ALL OPEN END CULVERTS SHALL BE PROTECTED AS DIRECTED BY THE ENGINEER, WHICH WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "INLET AND PIPE PROTECTION".
10. WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.
11. ANY SOIL, MUD OR DEBRIS WASHED, TRACKED, OR DEPOSITED ONTO THE STREET SHALL BE REMOVED PRIOR TO THE END OF THE WORK DAY.

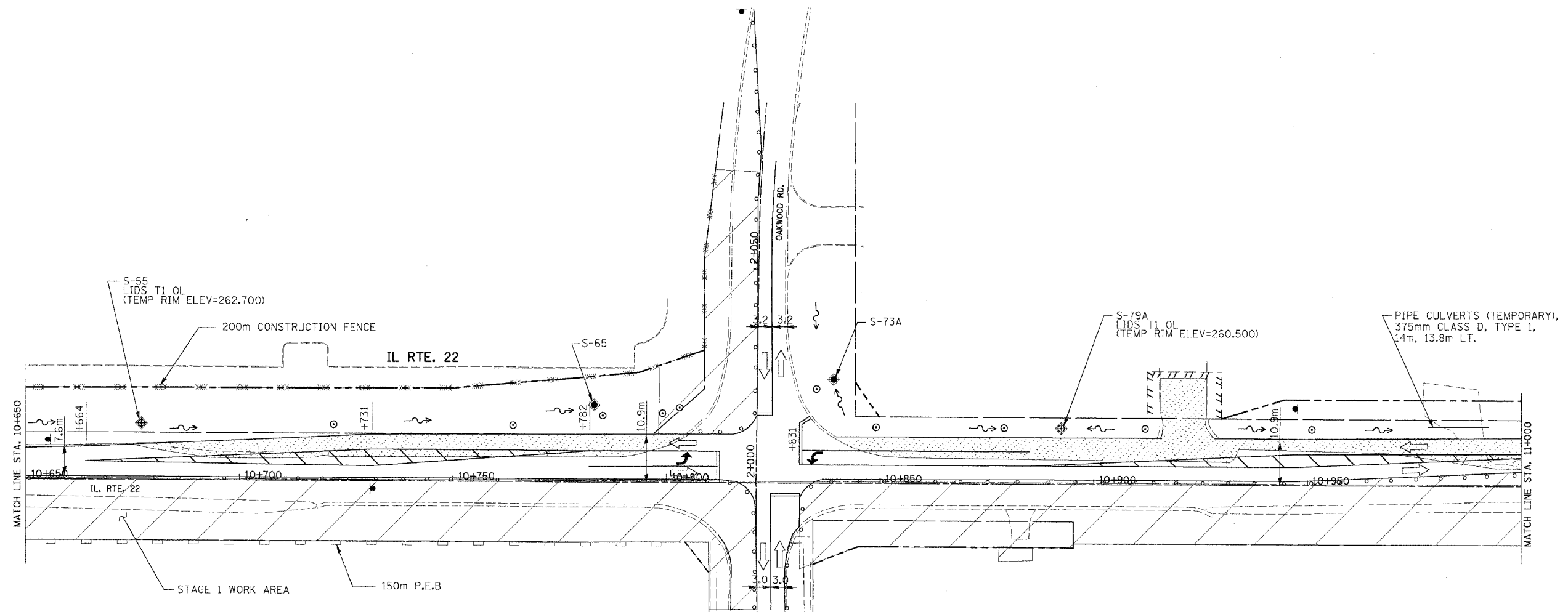
**LEGEND**

- PERIMETER EROSION BARRIER (P.E.B.)
- CONSTRUCTION FENCE
- TEMPORARY EROSION CONTROL SEEDING
- INLET FILTERS
- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECKS
- SEDIMENT BASIN
- EROSION CONTROL BLANKET
- TEMPORARY PAVEMENT
- CONSTRUCTION AREA
- DRAINAGE STRUCTURES

| REVISIONS |      |
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
STORMWATER POLLUTION PREVENTION PLAN  
STAGE 1  
STA. 9+950 TO STA. 10+650  
SCALE IN METERS  
HORIZ. (1:500) DRAWN BY: BCD  
DATE: 3/11/05 CHECKED BY: MGJ

|                     |          |                           |              |           |
|---------------------|----------|---------------------------|--------------|-----------|
| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE                      | 318          | 153       |
| STA. 10+650         |          | TO STA. 11+000            |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 62030  |          |                           |              |           |

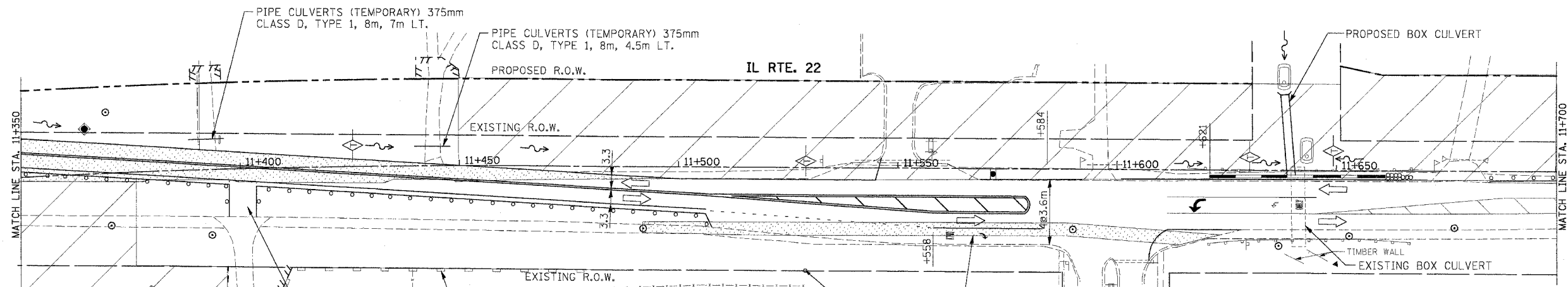
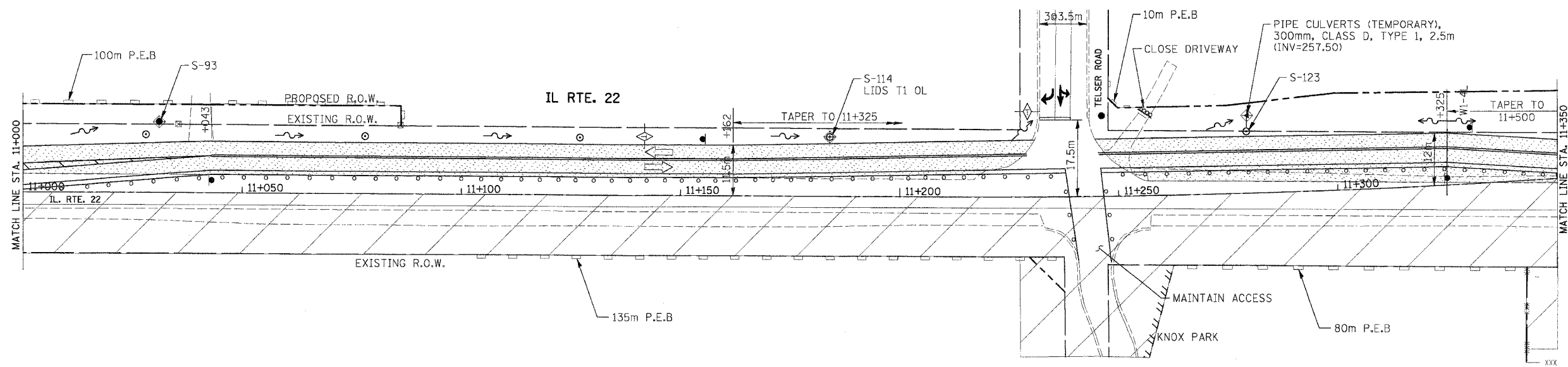


- LEGEND**
- PERIMETER EROSION BARRIER (P.E.B.)
  - CONSTRUCTION FENCE
  - TEMPORARY EROSION CONTROL SEEDING
  - INLET FILTERS
  - INLET AND PIPE PROTECTION
  - TEMPORARY DITCH CHECKS
  - SEDIMENT BASIN
  - EROSION CONTROL BLANKET
  - TEMPORARY PAVEMENT
  - CONSTRUCTION AREA
  - DRAINAGE STRUCTURES

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ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ILLINOIS ROUTE 22  
 STORMWATER POLLUTION PREVENTION PLAN  
 STAGE I  
 STA. 10+650 TO STA. 11+000  
 SCALE IN METERS  
 HORIZ. (1:500) DRAWN BY: BCD  
 DATE: 03/11/05 CHECKED BY: MCJ

|                     |          |                           |              |           |
|---------------------|----------|---------------------------|--------------|-----------|
| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE                      | 318          | 154       |
| STA. 11+000         |          | TO STA. 11+700            |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 62030  |          |                           |              |           |

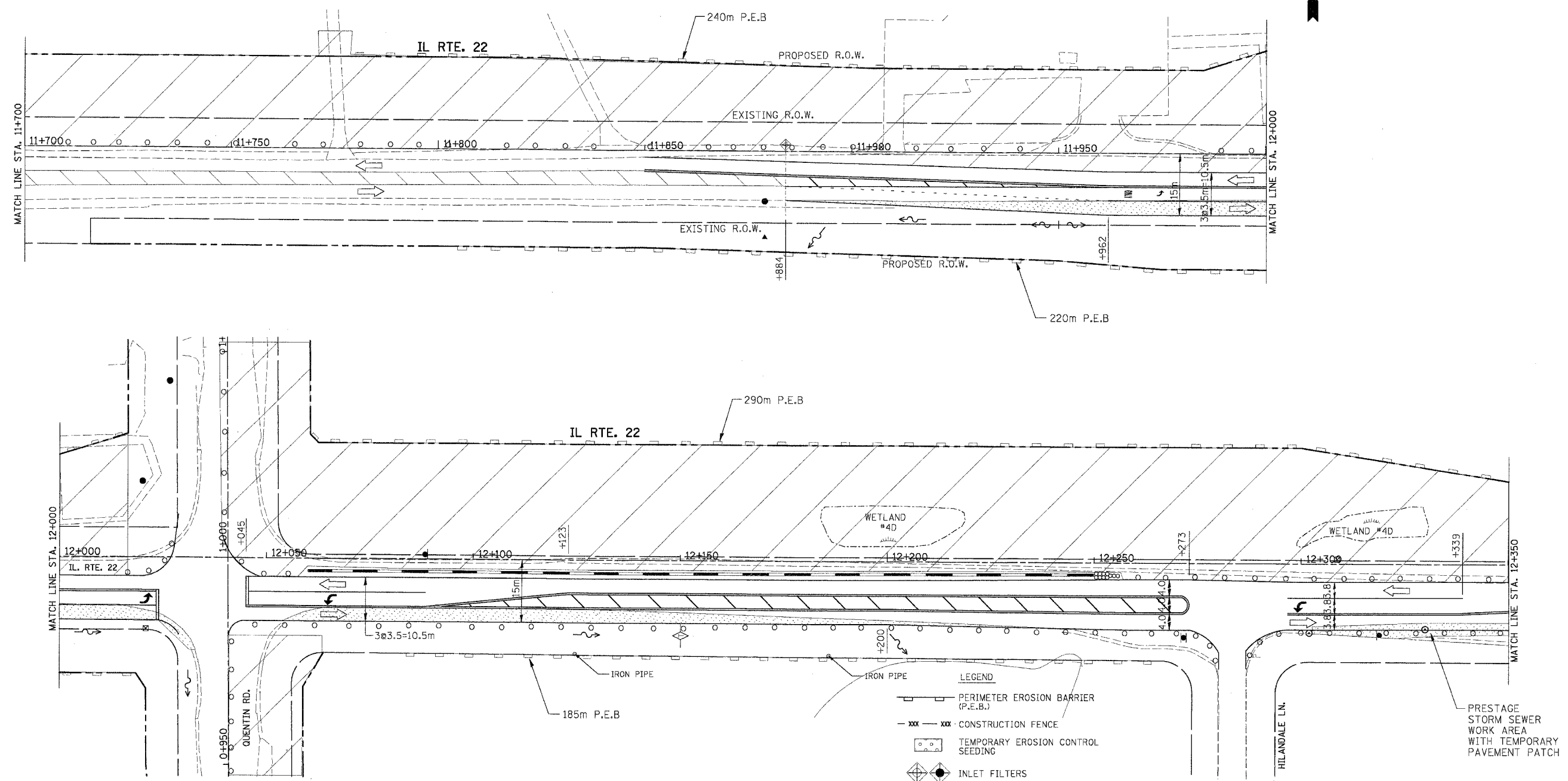


- LEGEND**
- PERIMETER EROSION BARRIER (P.E.B.)
  - CONSTRUCTION FENCE
  - TEMPORARY EROSION CONTROL SEEDING
  - INLET FILTERS
  - INLET AND PIPE PROTECTION
  - TEMPORARY DITCH CHECKS
  - SEDIMENT BASIN
  - EROSION CONTROL BLANKET
  - TEMPORARY PAVEMENT
  - CONSTRUCTION AREA
  - DRAINAGE STRUCTURES

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ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ILLINOIS ROUTE 22  
 STORMWATER POLLUTION PREVENTION PLAN  
 STAGE I  
 STA. 11+000 TO STA. 11+700  
 SCALE IN METERS  
 HORIZ. (1:500) DRAWN BY: SMP  
 DATE: 03/11/05 CHECKED BY: MGJ

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|---------------------|----------|---------------------------|--------------|-----------|
| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE                      | 318          | 155       |
| STA. 11+700         |          | TO STA. 12+350            |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 62030  |          |                           |              |           |

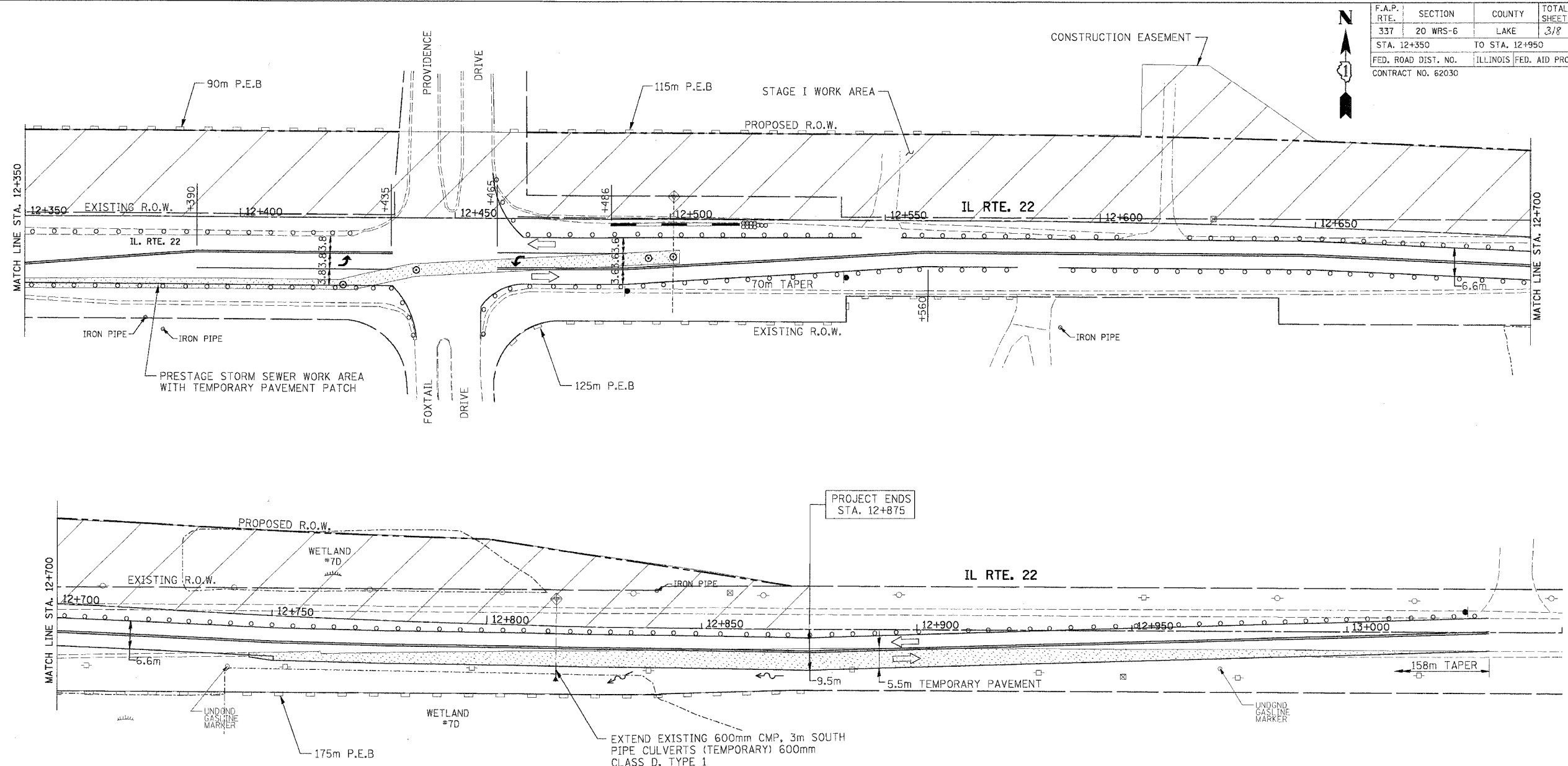


- LEGEND**
- PERIMETER EROSION BARRIER (P.E.B.)
  - CONSTRUCTION FENCE
  - TEMPORARY EROSION CONTROL SEEDING
  - INLET FILTERS
  - INLET AND PIPE PROTECTION
  - TEMPORARY DITCH CHECKS
  - SEDIMENT BASIN
  - EROSION CONTROL BLANKET
  - TEMPORARY PAVEMENT
  - CONSTRUCTION AREA
  - DRAINAGE STRUCTURES

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ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ILLINOIS ROUTE 22  
 STORMWATER POLLUTION PREVENTION PLAN  
 STAGE I  
 STA. 11+700 TO STA. 12+350  
 SCALE IN METERS  
 HORIZ. (1:500) DRAWN BY: SMP  
 DATE: 03/11/05 CHECKED BY: MGJ

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| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE                      | 318          | 156       |
| STA. 12+350         |          | TO STA. 12+950            |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 62030  |          |                           |              |           |



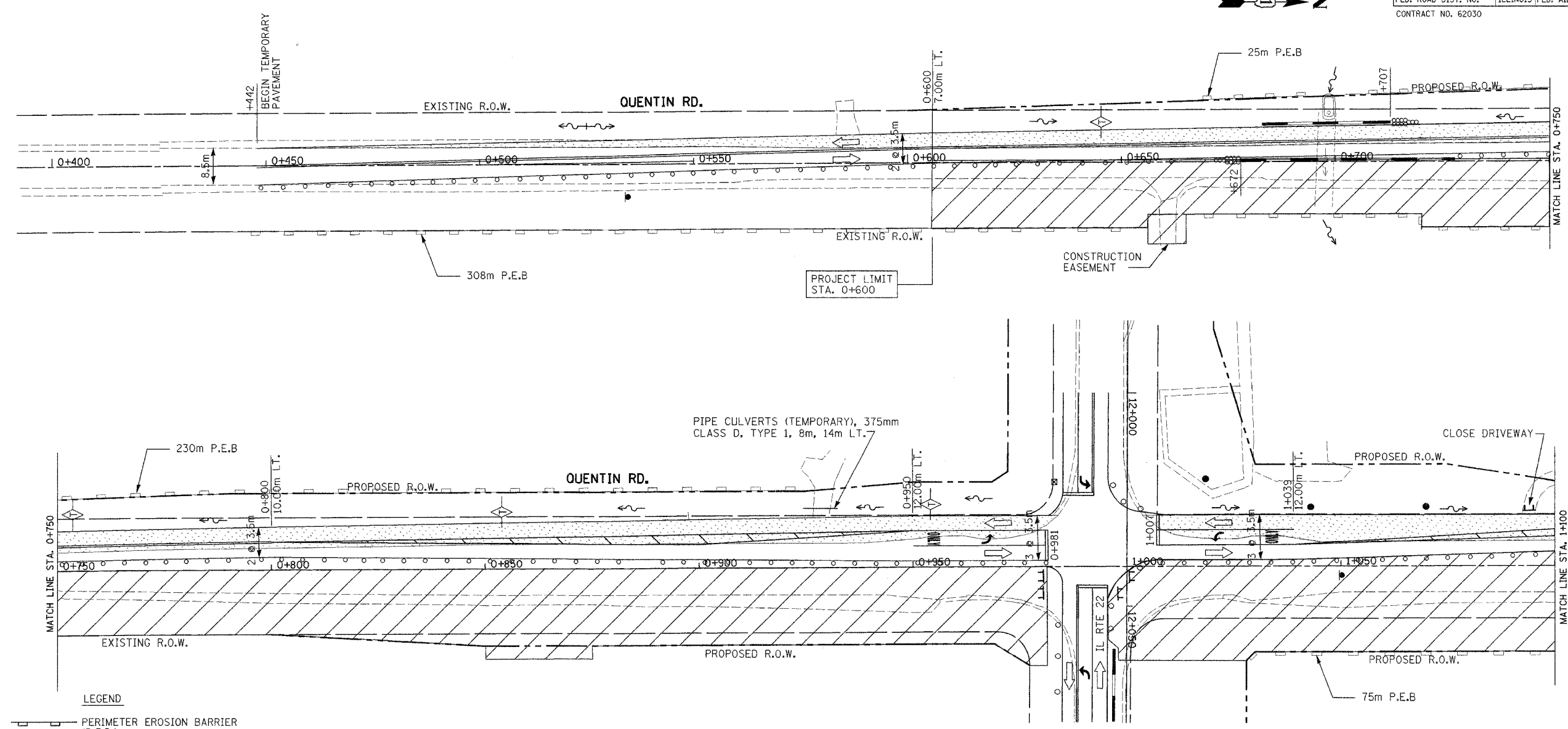
- LEGEND**
- PERIMETER EROSION BARRIER (P.E.B.)
  - CONSTRUCTION FENCE
  - TEMPORARY EROSION CONTROL SEEDING
  - INLET FILTERS
  - INLET AND PIPE PROTECTION
  - TEMPORARY DITCH CHECKS
  - SEDIMENT BASIN
  - EROSION CONTROL BLANKET
  - TEMPORARY PAVEMENT
  - CONSTRUCTION AREA
  - DRAINAGE STRUCTURES

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ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ILLINOIS ROUTE 22  
 STORMWATER POLLUTION PREVENTION PLAN  
 STAGE I  
 STA. 12+350 TO STA. 13+000  
 SCALE IN METERS  
 HORIZ. (1:500) DRAWN BY: SMP  
 DATE: 03/11/05 CHECKED BY: MGJ



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| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE                      | 318          | 157       |
| STA. 0+400          |          | TO STA. 1+100             |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 62030  |          |                           |              |           |



- LEGEND**
- PERIMETER EROSION BARRIER (P.E.B.)
  - xxx - xxx - CONSTRUCTION FENCE
  - TEMPORARY EROSION CONTROL SEEDING
  - INLET FILTERS
  - INLET AND PIPE PROTECTION
  - TEMPORARY DITCH CHECKS
  - SEDIMENT BASIN
  - EROSION CONTROL BLANKET
  - TEMPORARY PAVEMENT
  - CONSTRUCTION AREA
  - DRAINAGE STRUCTURES

**TEMPORARY EROSION CONTROL NOTES**

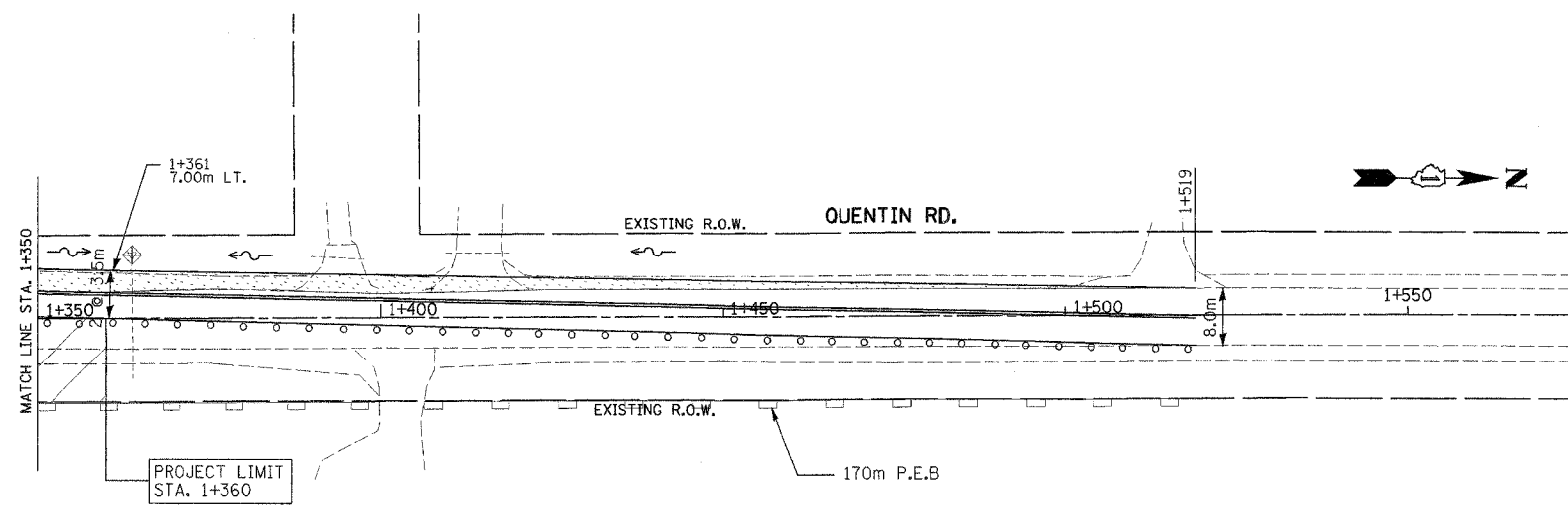
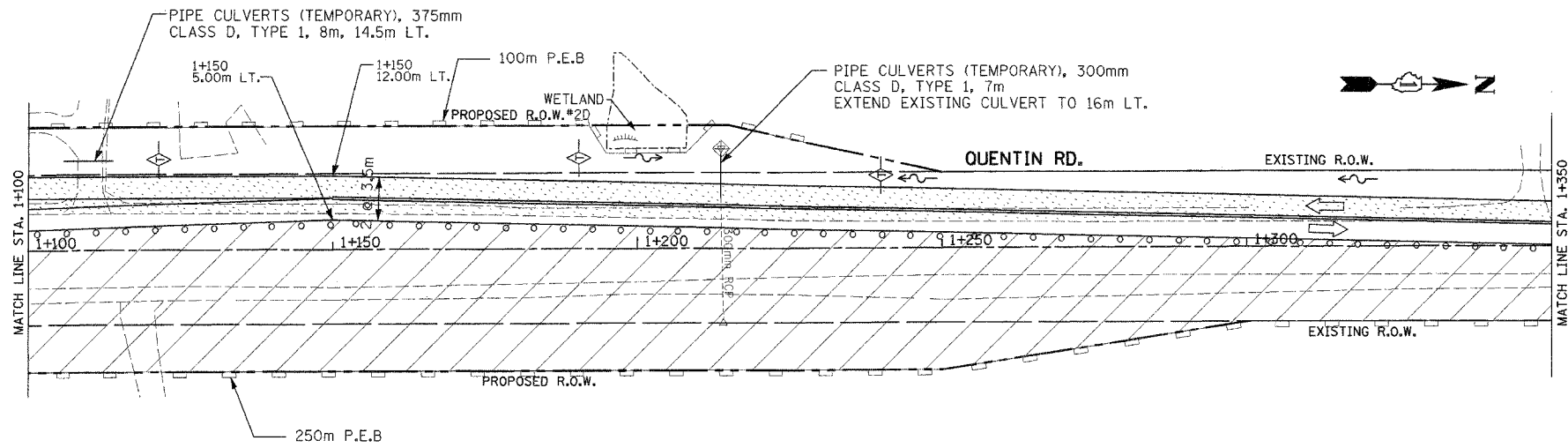
1. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE LAND IS OTHERWISE DISTURBED ON THE SITE.
2. IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN 3 DAYS, THEN SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSTALLED DURING CONSTRUCTION.
3. STORM SEWER INLETS SHALL BE PROTECTED WITH SEDIMENT TRAPPING OR FILTER CONTROL DEVICES DURING CONSTRUCTION.
4. THE QUANTITIES SHOWN FOR INLET & PIPE PROTECTION AND TEMPORARY DITCH CHECKS ARE SUFFICIENT FOR ONE (1) SETUP AND THREE (3) REPLACEMENTS.
5. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES IN SERVICEABLE CONDITION AT ALL TIMES. EROSION CONTROL MEASURES WILL BE INSPECTED WITHIN 24 HOURS OF ANY STORM EXCEEDING 0.5 INCHES OF PRECIPITATION.
6. ALL CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORM WATER PERMIT FOR THIS PROJECT.
7. AS WORK PROGRESSES, ALL SLOPES 1:3 OR GREATER SHALL RECEIVE TEMPORARY EROSION CONTROL SEEDING AND EROSION CONTROL BLANKET IMMEDIATELY. ALL FLATTER AREAS THAT DO NOT HAVE A COVER OF VEGETATION, AND WHERE NO FURTHER WORK IS TO OCCUR FOR ONE MONTH OR MORE, SHALL BE TEMPORARILY SEEDING WITHIN SEVEN (7) CALENDAR DAYS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. A SUFFICIENT QUANTITY OF TEMPORARY EROSION CONTROL SEEDING IS INCLUDED TO COVER THE LIMITS OF PERMANENT LANDSCAPING.
8. TEMPORARY DITCH CHECKS SHALL BE PLACED IMMEDIATELY AFTER DITCH GRADING (OR CLEANING AND REGRADING) IS COMPLETED.
9. ALL PROPOSED OPEN LID DRAINAGE STRUCTURES SHALL BE PROTECTED AS DIRECTED BY THE ENGINEER WITH INLET FILTERS, AND THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "INLET FILTERS". ALL OPEN END CULVERTS SHALL BE PROTECTED AS DIRECTED BY THE ENGINEER, WHICH WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "INLET AND PIPE PROTECTION".
10. WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.
11. ANY SOIL, MUD OR DEBRIS WASHED, TRACKED, OR DEPOSITED ONTO THE STREET SHALL BE REMOVED PRIOR TO THE END OF THE WORK DAY.

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ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
STORMWATER POLLUTION PREVENTION PLAN  
STAGE I  
STA. 0+400 TO STA. 1+100

SCALE IN METERS  
HORIZ. (1:5000) 0 10 20  
DATE: 03/11/05 DRAWN BY: SMP  
CHECKED BY: MGJ

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|---------------------|----------|---------------------------|--------------|-----------|
| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE                      | 3/8          | 1/58      |
| STA. 1+100          |          | TO STA. 1+450             |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 62030  |          |                           |              |           |

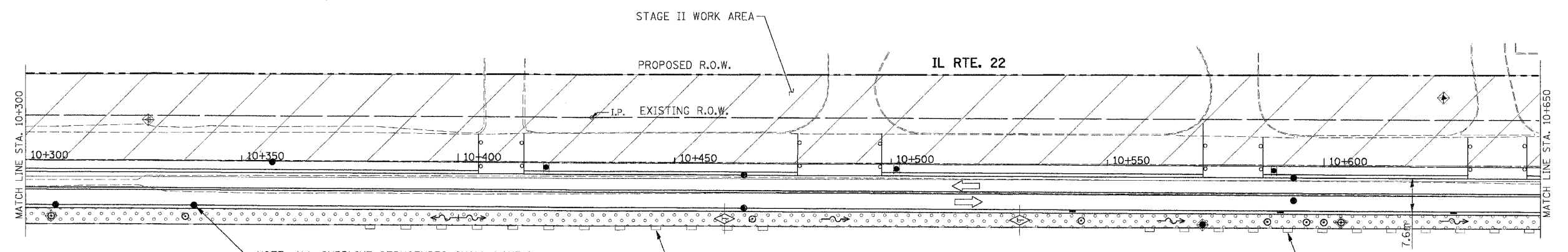
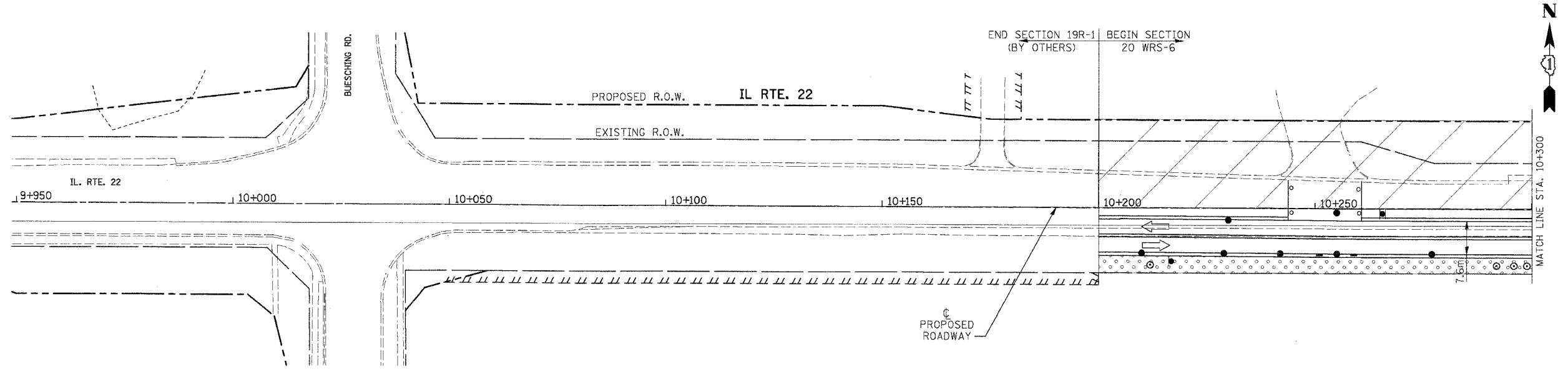


- LEGEND**
- PERIMETER EROSION BARRIER (P.E.B.)
  - CONSTRUCTION FENCE
  - TEMPORARY EROSION CONTROL SEEDING
  - INLET FILTERS
  - INLET AND PIPE PROTECTION
  - TEMPORARY DITCH CHECKS
  - SEDIMENT BASIN
  - EROSION CONTROL BLANKET
  - TEMPORARY PAVEMENT
  - CONSTRUCTION AREA
  - DRAINAGE STRUCTURES

| REVISIONS |      | ILLINOIS DEPARTMENT OF TRANSPORTATION<br>ILLINOIS ROUTE 22<br>STORMWATER POLLUTION PREVENTION PLAN<br>STAGE I<br>STA. 1+100 TO STA. 1+550 |
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SCALE IN METERS  
HORIZ. (1:500) DRAWN BY: SMP  
DATE: 03/11/05 CHECKED BY: MGJ

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|---------------------|----------|---------------------------|--------------|-----------|
| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE                      | 3/8          | 1/59      |
| STA. 9+950          |          | TO STA. 10+650            |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 62030  |          |                           |              |           |



- LEGEND**
- PERIMETER EROSION BARRIER (P.E.B.)
  - CONSTRUCTION FENCE
  - TEMPORARY EROSION CONTROL SEEDING
  - INLET FILTERS
  - INLET AND PIPE PROTECTION
  - TEMPORARY DITCH CHECKS
  - SEDIMENT BASIN
  - EROSION CONTROL BLANKET
  - TEMPORARY PAVEMENT
  - CONSTRUCTION AREA
  - DRAINAGE STRUCTURES

NOTE: ALL CURBLINE STRUCTURES SHALL HAVE INLET FILTERS

100m P.E.B.

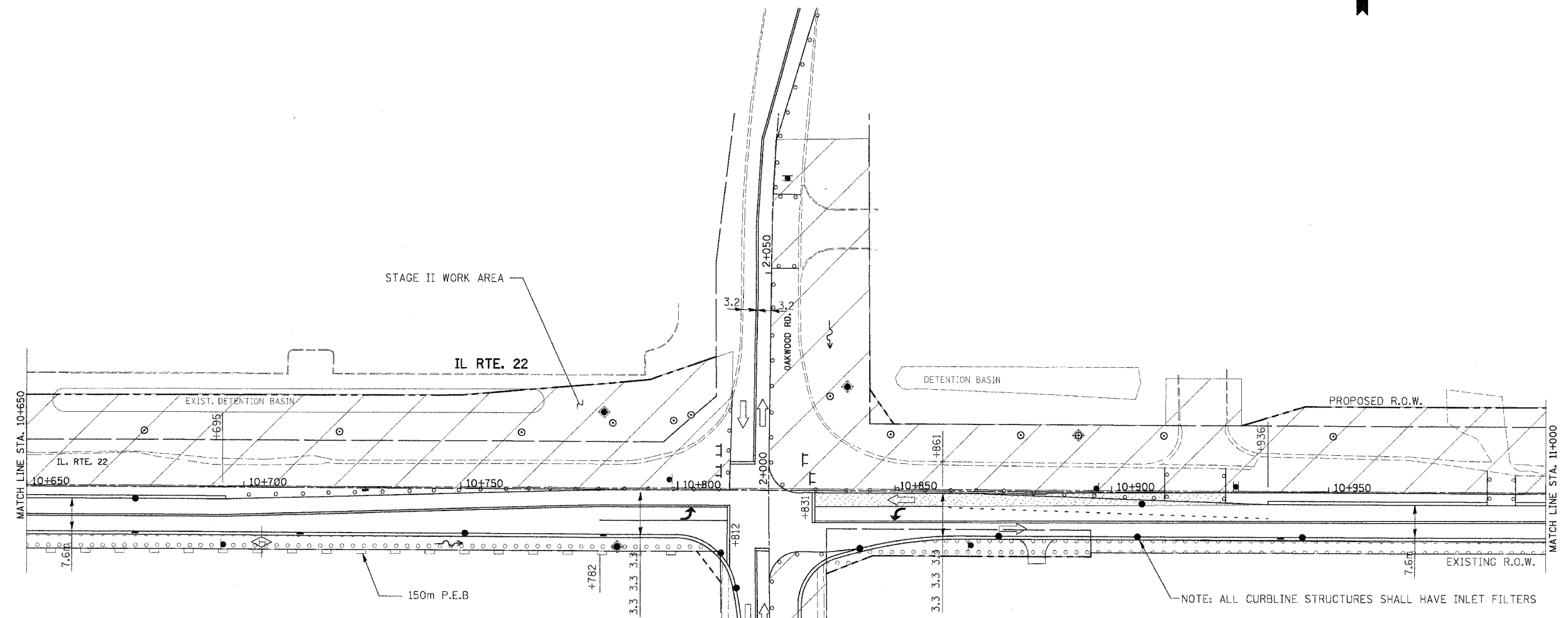
**TEMPORARY EROSION CONTROL NOTES**

1. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE LAND IS OTHERWISE DISTURBED ON THE SITE.
2. IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN 3 DAYS, THEN SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSTALLED DURING CONSTRUCTION.
3. STORM SEWER INLETS SHALL BE PROTECTED WITH SEDIMENT TRAPPING OR FILTER CONTROL DEVICES DURING CONSTRUCTION.
4. THE QUANTITIES SHOWN FOR INLET & PIPE PROTECTION AND TEMPORARY DITCH CHECKS ARE SUFFICIENT FOR ONE (1) SETUP AND THREE (3) REPLACEMENTS.
5. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES IN SERVICEABLE CONDITION AT ALL TIMES. EROSION CONTROL MEASURES WILL BE INSPECTED WITHIN 24 HOURS OF ANY STORM EXCEEDING 0.5 INCHES OF PRECIPITATION.
6. ALL CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORM WATER PERMIT FOR THIS PROJECT.
7. AS WORK PROGRESSES, ALL SLOPES 1:3 OR GREATER SHALL RECEIVE TEMPORARY EROSION CONTROL SEEDING AND EROSION CONTROL BLANKET IMMEDIATELY. ALL FLATTER AREAS THAT DO NOT HAVE A COVER OF VEGETATION, AND WHERE NO FURTHER WORK IS TO OCCUR FOR ONE MONTH OR MORE, SHALL BE TEMPORARILY SEEDING WITHIN SEVEN (7) CALENDAR DAYS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. A SUFFICIENT QUANTITY OF TEMPORARY EROSION CONTROL SEEDING IS INCLUDED TO COVER THE LIMITS OF PERMANENT LANDSCAPING.
8. TEMPORARY DITCH CHECKS SHALL BE PLACED IMMEDIATELY AFTER DITCH GRADING (OR CLEANING AND REGRADING) IS COMPLETED.
9. ALL PROPOSED OPEN LID DRAINAGE STRUCTURES SHALL BE PROTECTED AS DIRECTED BY THE ENGINEER WITH INLET FILTERS, AND THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "INLET FILTERS". ALL OPEN END CULVERTS SHALL BE PROTECTED AS DIRECTED BY THE ENGINEER, WHICH WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "INLET AND PIPE PROTECTION".
10. WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.
11. ANY SOIL, MUD OR DEBRIS WASHED, TRACKED, OR DEPOSITED ONTO THE STREET SHALL BE REMOVED PRIOR TO THE END OF THE WORK DAY.

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ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ILLINOIS ROUTE 22  
 STORMWATER POLLUTION PREVENTION PLAN  
 STAGE II  
 STA. 9+950 TO STA. 10+650  
 SCALE IN METERS  
 HORIZ. (1:500) DRAWN BY: SMP  
 DATE: 03/11/05 CHECKED BY: SJG

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|---------------------|----------|---------------------------|--------------|-----------|
| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE                      | 3/8          | 160       |
| STA. 10+650         |          | TO STA. 11+000            |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 62030  |          |                           |              |           |



NOTE: ALL CURBLINE STRUCTURES SHALL HAVE INLET FILTERS

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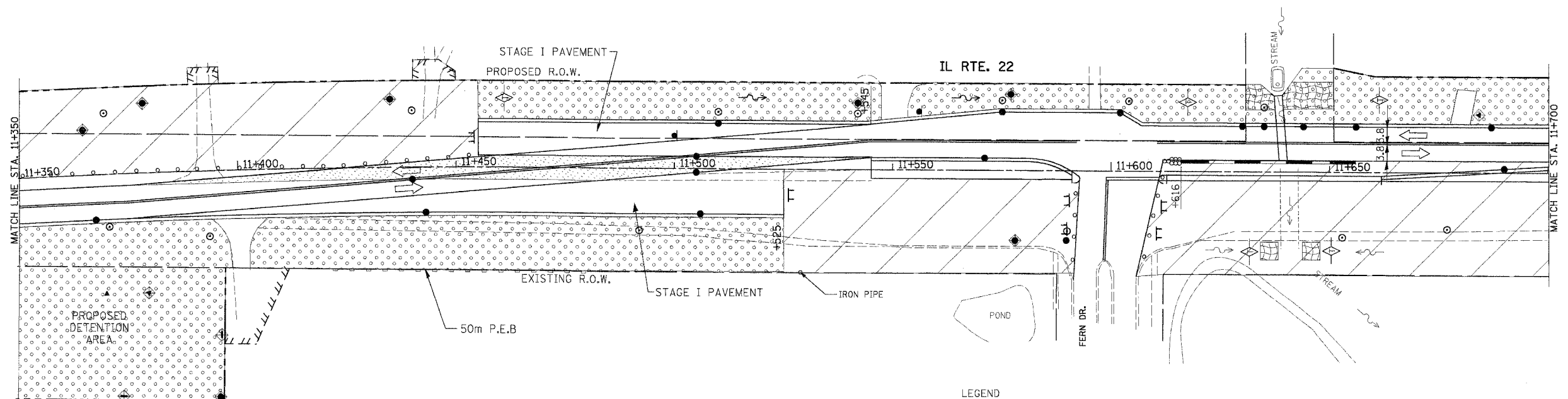
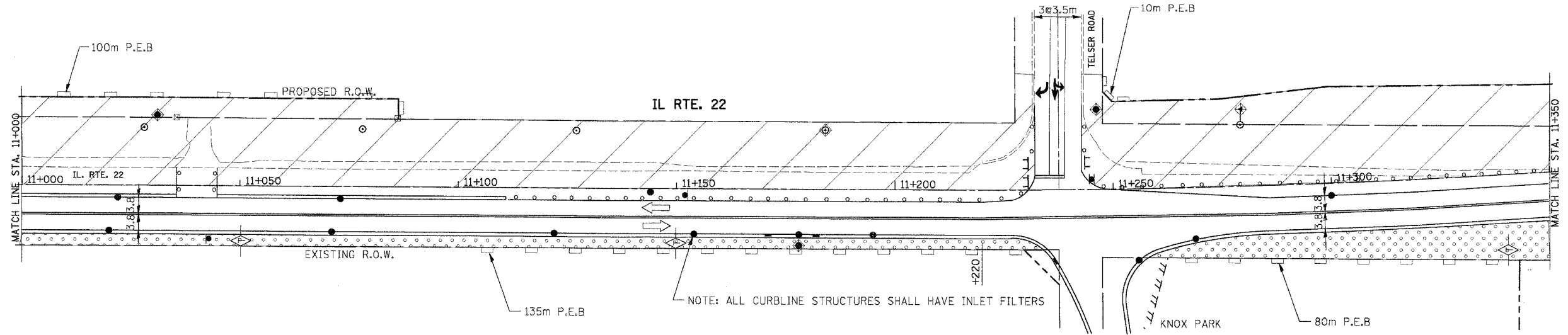
- PERIMETER EROSION BARRIER (P.E.B.)
- CONSTRUCTION FENCE
- TEMPORARY EROSION CONTROL SEEDING
- INLET FILTERS
- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECKS
- SEDIMENT BASIN
- EROSION CONTROL BLANKET
- TEMPORARY PAVEMENT
- CONSTRUCTION AREA
- DRAINAGE STRUCTURES

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ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ILLINOIS ROUTE 22  
 STORMWATER POLLUTION PREVENTION PLAN  
 STAGE II  
 STA. 10+650 TO STA. 11+000

SCALE IN METERS  
 HORIZ. (1:500) DRAWN BY: SWP  
 DATE: 03/11/05 CHECKED BY: SJG

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| F.A.P. RTE.         | SECTION                   | COUNTY | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6                  | LAKE   | 3/8          | 1/61      |
| STA. 11+000         | TO STA. 11+700            |        |              |           |
| FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT |        |              |           |
| CONTRACT NO. 62030  |                           |        |              |           |



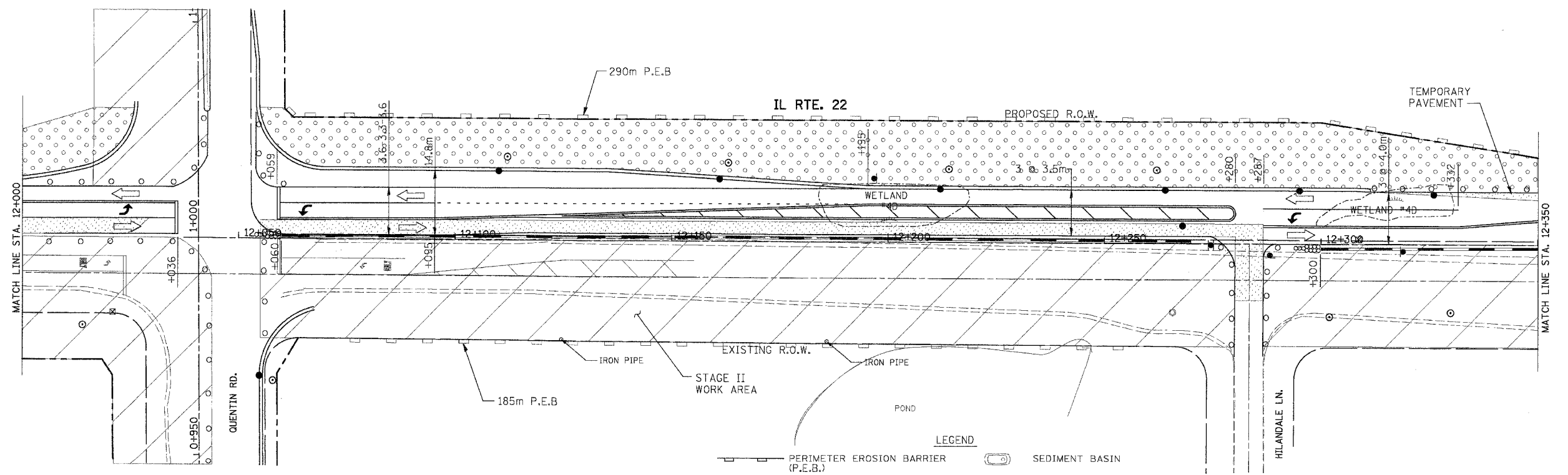
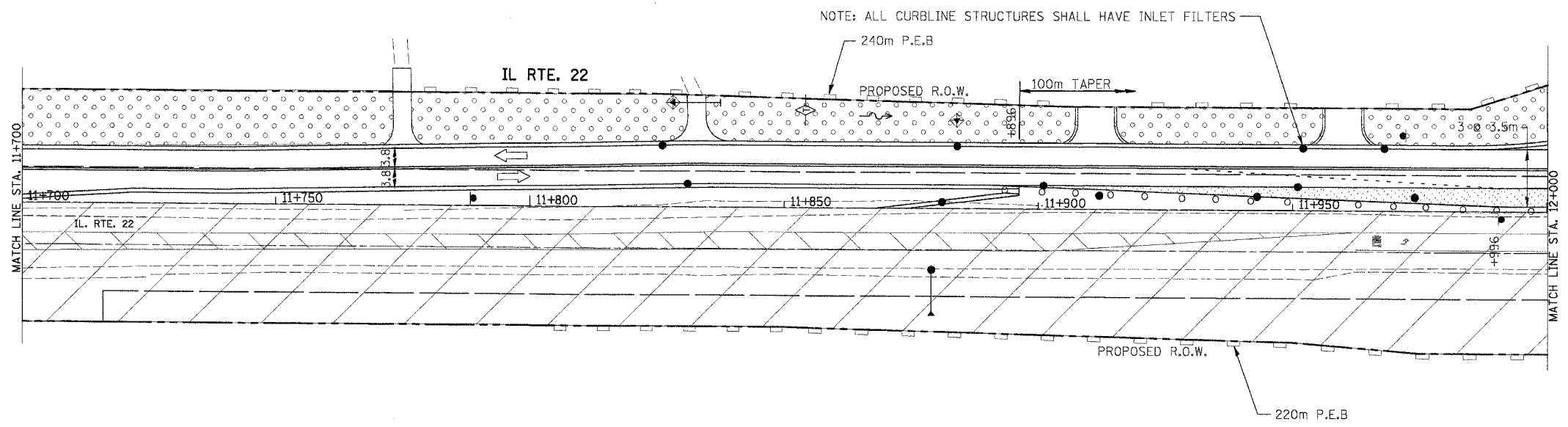
**LEGEND**

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|  | PERIMETER EROSION BARRIER (P.E.B.) |  | SEDIMENT BASIN          |
|  | CONSTRUCTION FENCE                 |  | EROSION CONTROL BLANKET |
|  | TEMPORARY EROSION CONTROL SEEDING  |  | TEMPORARY PAVEMENT      |
|  | INLET FILTERS                      |  | CONSTRUCTION AREA       |
|  | INLET AND PIPE PROTECTION          |  | DRAINAGE STRUCTURES     |
|  | TEMPORARY DITCH CHECKS             |  |                         |

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ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
STORMWATER POLLUTION PREVENTION PLAN  
STAGE II  
STA. 11+000 TO STA. 11+700  
SCALE IN METERS  
HORIZ. (1:500) 0 10 20  
DATE: 03/11/05  
DRAWN BY: SMP  
CHECKED BY: SJG

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| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE                      | 318          | 162       |
| STA. 11+700         |          | TO STA. 12+350            |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 62030  |          |                           |              |           |

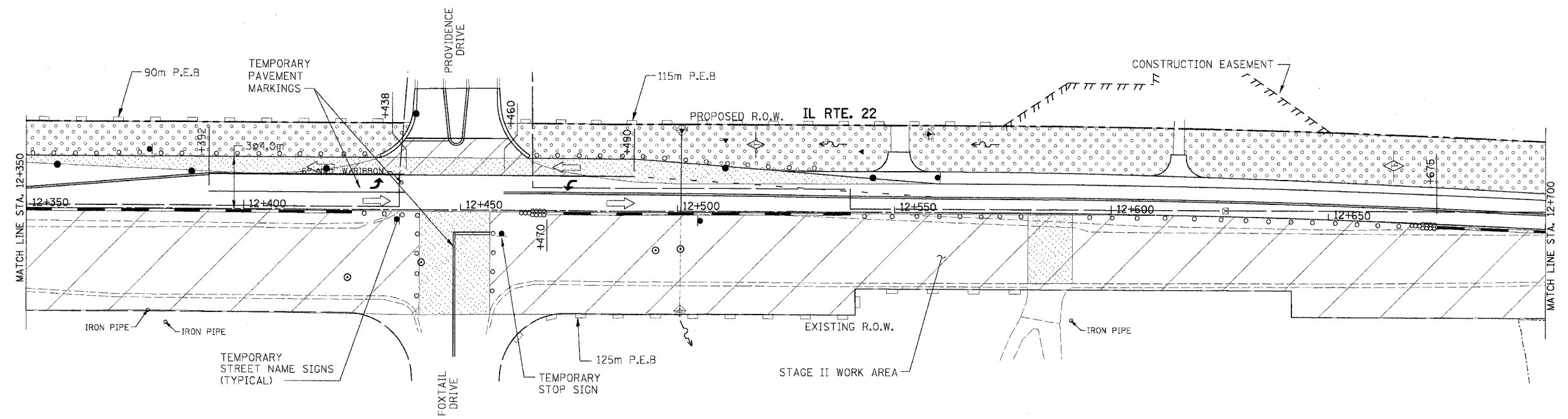


- LEGEND**
- PERIMETER EROSION BARRIER (P.E.B.)
  - CONSTRUCTION FENCE
  - TEMPORARY EROSION CONTROL SEEDING
  - INLET FILTERS
  - INLET AND PIPE PROTECTION
  - TEMPORARY DITCH CHECKS
  - SEDIMENT BASIN
  - EROSION CONTROL BLANKET
  - TEMPORARY PAVEMENT
  - CONSTRUCTION AREA
  - DRAINAGE STRUCTURES

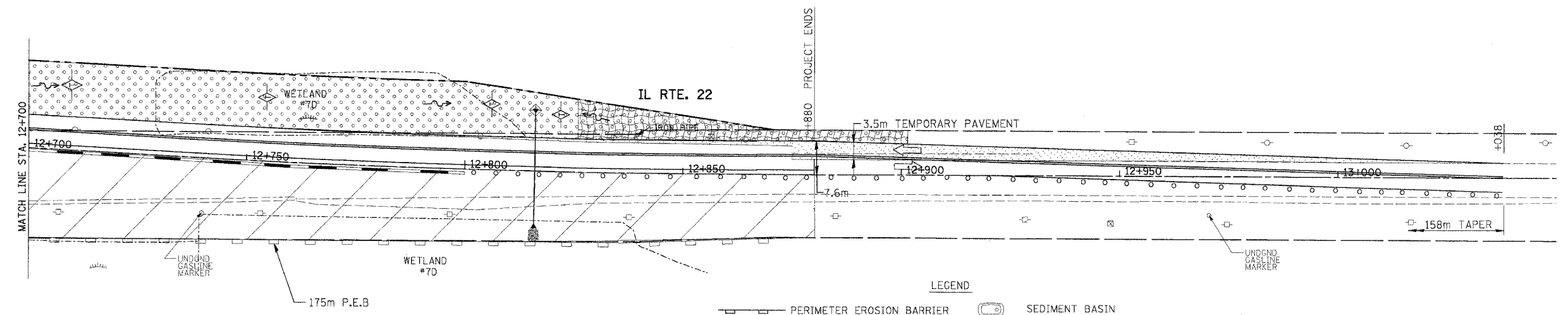
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ILLINOIS ROUTE 22  
 STORMWATER POLLUTION PREVENTION PLAN  
 STAGE II  
 STA. 11+700 TO STA. 12+350  
 SCALE IN METERS  
 HORIZ. (1:500) DRAWN BY: SMP  
 DATE: 03/11/05 CHECKED BY: SJG

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|---------------------|----------|----------------|------------------|-----------|
| F.A.P. RTE.         | SECTION  | COUNTY         | TOTAL SHEETS     | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE           | 3/8              | 1/3       |
| STA. 12+350         |          | TO STA. 12+950 |                  |           |
| FED. ROAD DIST. NO. |          | ILLINOIS       | FED. AID PROJECT |           |
| CONTRACT NO. 62030  |          |                |                  |           |



NOTE: ALL CURBLINE STRUCTURES SHALL HAVE INLET FILTERS

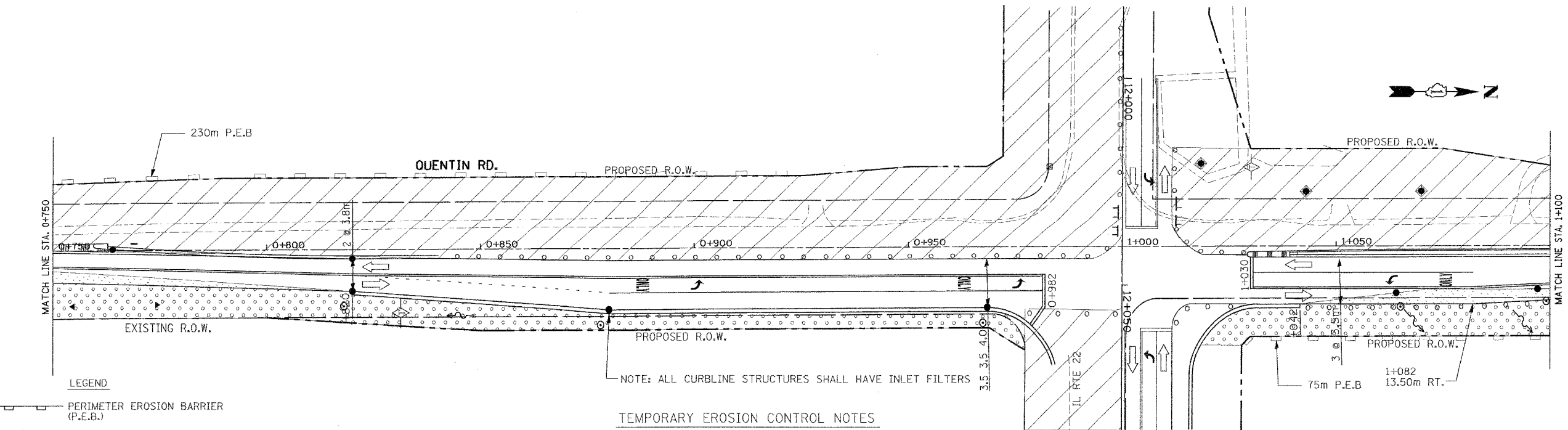
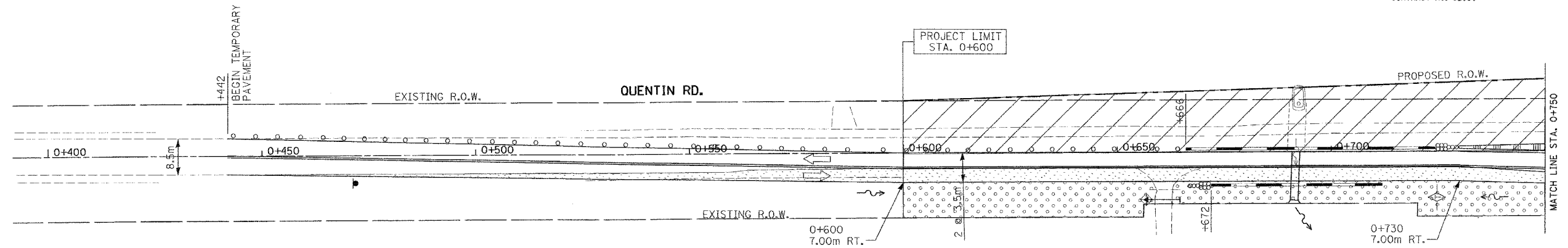


- LEGEND**
- PERIMETER EROSION BARRIER (P.E.B.)
  - CONSTRUCTION FENCE
  - TEMPORARY EROSION CONTROL SEEDING
  - INLET FILTERS
  - INLET AND PIPE PROTECTION
  - TEMPORARY DITCH CHECKS
  - SEDIMENT BASIN
  - EROSION CONTROL BLANKET
  - TEMPORARY PAVEMENT
  - CONSTRUCTION AREA
  - DRAINAGE STRUCTURES

| REVISIONS |      |
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ILLINOIS ROUTE 22  
 STORMWATER POLLUTION PREVENTION PLAN  
 STAGE II  
 STA. 12+350 TO STA. 13+000  
 SCALE IN METERS  
 HORIZ. 1:500  
 DATE: 03/11/05  
 DRAWN BY: SMP  
 CHECKED BY: SJG

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|---------------------|----------|---------------------------|--------------|-----------|
| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE                      | 318          | 164       |
| STA. 0+400          |          | TO STA. 1+100             |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 62030  |          |                           |              |           |



- LEGEND**
- PERIMETER EROSION BARRIER (P.E.B.)
  - CONSTRUCTION FENCE
  - TEMPORARY EROSION CONTROL SEEDING
  - INLET FILTERS
  - INLET AND PIPE PROTECTION
  - TEMPORARY DITCH CHECKS
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  - EROSION CONTROL BLANKET
  - TEMPORARY PAVEMENT
  - CONSTRUCTION AREA
  - DRAINAGE STRUCTURES

- TEMPORARY EROSION CONTROL NOTES**
- SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE LAND IS OTHERWISE DISTURBED ON THE SITE.
  - IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN 3 DAYS, THEN SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSTALLED DURING CONSTRUCTION.
  - STORM SEWER INLETS SHALL BE PROTECTED WITH SEDIMENT TRAPPING OR FILTER CONTROL DEVICES DURING CONSTRUCTION.
  - THE QUANTITIES SHOWN FOR INLET & PIPE PROTECTION AND TEMPORARY DITCH CHECKS ARE SUFFICIENT FOR ONE (1) SETUP AND THREE (3) REPLACEMENTS.
  - THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES IN SERVICEABLE CONDITION AT ALL TIMES. EROSION CONTROL MEASURES WILL BE INSPECTED WITHIN 24 HOURS OF ANY STORM EXCEEDING 0.5 INCHES OF PRECIPITATION.
  - ALL CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORM WATER PERMIT FOR THIS PROJECT.

- AS WORK PROGRESSES, ALL SLOPES 1:3 OR GREATER SHALL RECEIVE TEMPORARY EROSION CONTROL SEEDING AND EROSION CONTROL BLANKET IMMEDIATELY. ALL FLATTER AREAS THAT DO NOT HAVE A COVER OF VEGETATION, AND WHERE NO FURTHER WORK IS TO OCCUR FOR ONE MONTH OR MORE, SHALL BE TEMPORARILY SEEDED WITHIN SEVEN (7) CALENDAR DAYS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. A SUFFICIENT QUANTITY OF TEMPORARY EROSION CONTROL SEEDING IS INCLUDED TO COVER THE LIMITS OF PERMANENT LANDSCAPING.
- TEMPORARY DITCH CHECKS SHALL BE PLACED IMMEDIATELY AFTER DITCH GRADING (OR CLEANING AND REGRADING) IS COMPLETED.
- ALL PROPOSED OPEN LID DRAINAGE STRUCTURES SHALL BE PROTECTED AS DIRECTED BY THE ENGINEER WITH INLET FILTERS, AND THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "INLET FILTERS". ALL OPEN END CULVERTS SHALL BE PROTECTED AS DIRECTED BY THE ENGINEER, WHICH WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "INLET AND PIPE PROTECTION".
- WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.
- ANY SOIL, MUD OR DEBRIS WASHED, TRACKED, OR DEPOSITED ONTO THE STREET SHALL BE REMOVED PRIOR TO THE END OF THE WORK DAY.

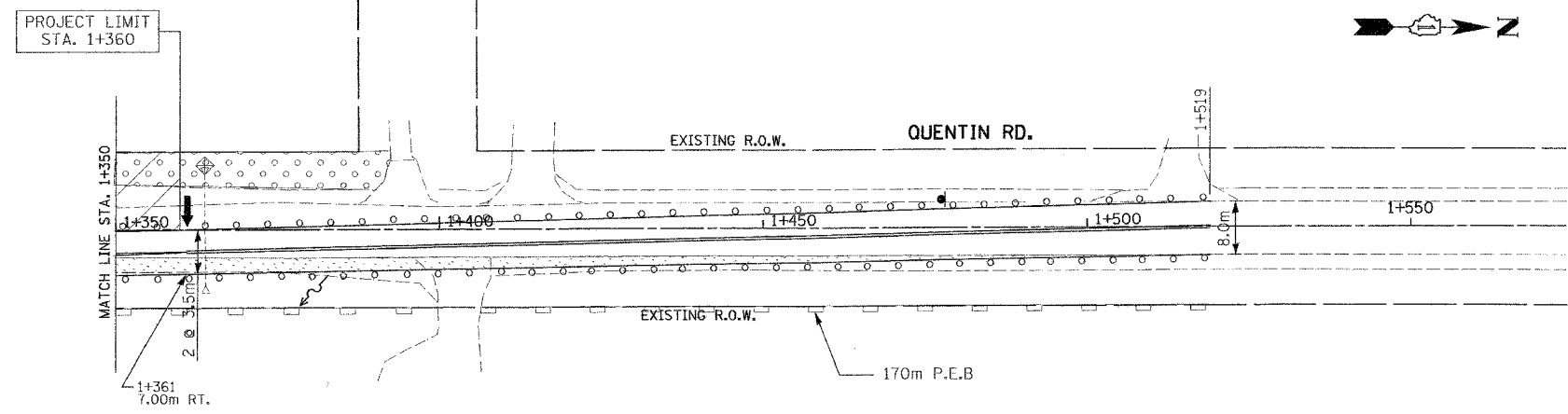
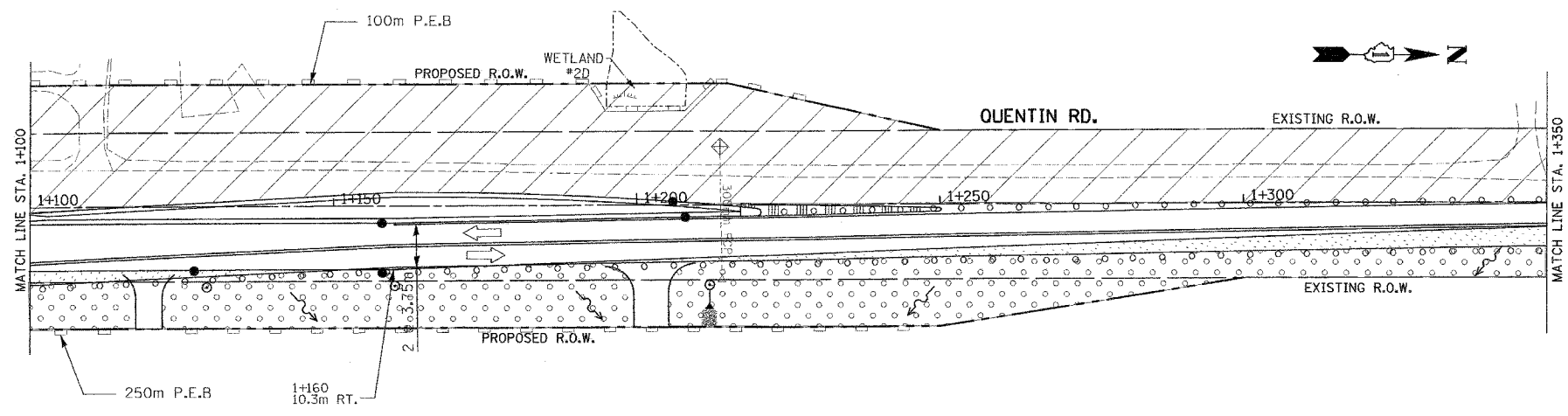
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
STORMWATER POLLUTION PREVENTION PLAN  
STAGE II  
STA. 0+400 TO STA. 1+100

SCALE IN METERS  
HORIZ. 1:5000 10 0 10  
DATE: 03/11/05 DRAWN BY: SMP  
CHECKED BY: MGJ



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|---------------------|----------|---------------------------|--------------|-----------|
| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE                      | 318          | 165       |
| STA. 1+100          |          | TO STA. 1+450             |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 62030  |          |                           |              |           |



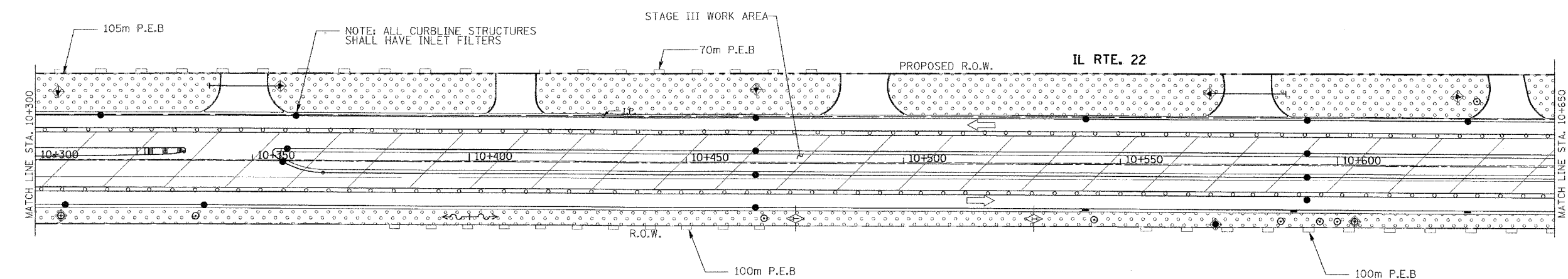
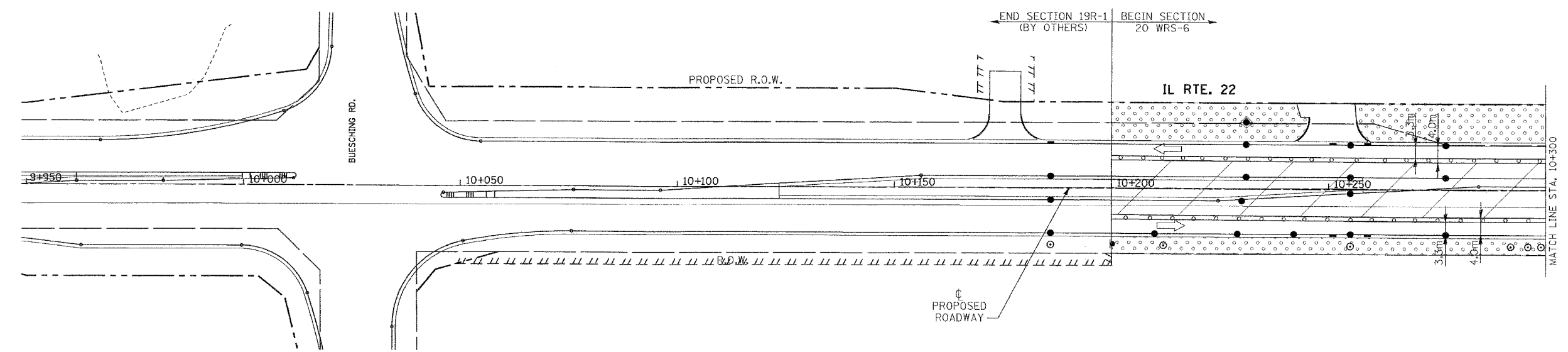
- LEGEND
- PERIMETER EROSION BARRIER (P.E.B.)
  - CONSTRUCTION FENCE
  - TEMPORARY EROSION CONTROL SEEDING
  - INLET FILTERS
  - INLET AND PIPE PROTECTION
  - TEMPORARY DITCH CHECKS
  - SEDIMENT BASIN
  - EROSION CONTROL BLANKET
  - TEMPORARY PAVEMENT
  - CONSTRUCTION AREA
  - DRAINAGE STRUCTURES

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ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ILLINOIS ROUTE 22  
 STORMWATER POLLUTION PREVENTION PLAN  
 STAGE II  
 STA. 1+100 TO STA. 1+550

SCALE IN METERS  
 HORIZ. (1:500) DRAWN BY: SMP  
 DATE: 03/11/05 CHECKED BY: MGJ

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|---------------------|----------|---------------------------|--------------|-----------|
| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE                      | 318          | 166       |
| STA. 9+950          |          | TO STA. 10+650            |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 62030  |          |                           |              |           |



**LEGEND**

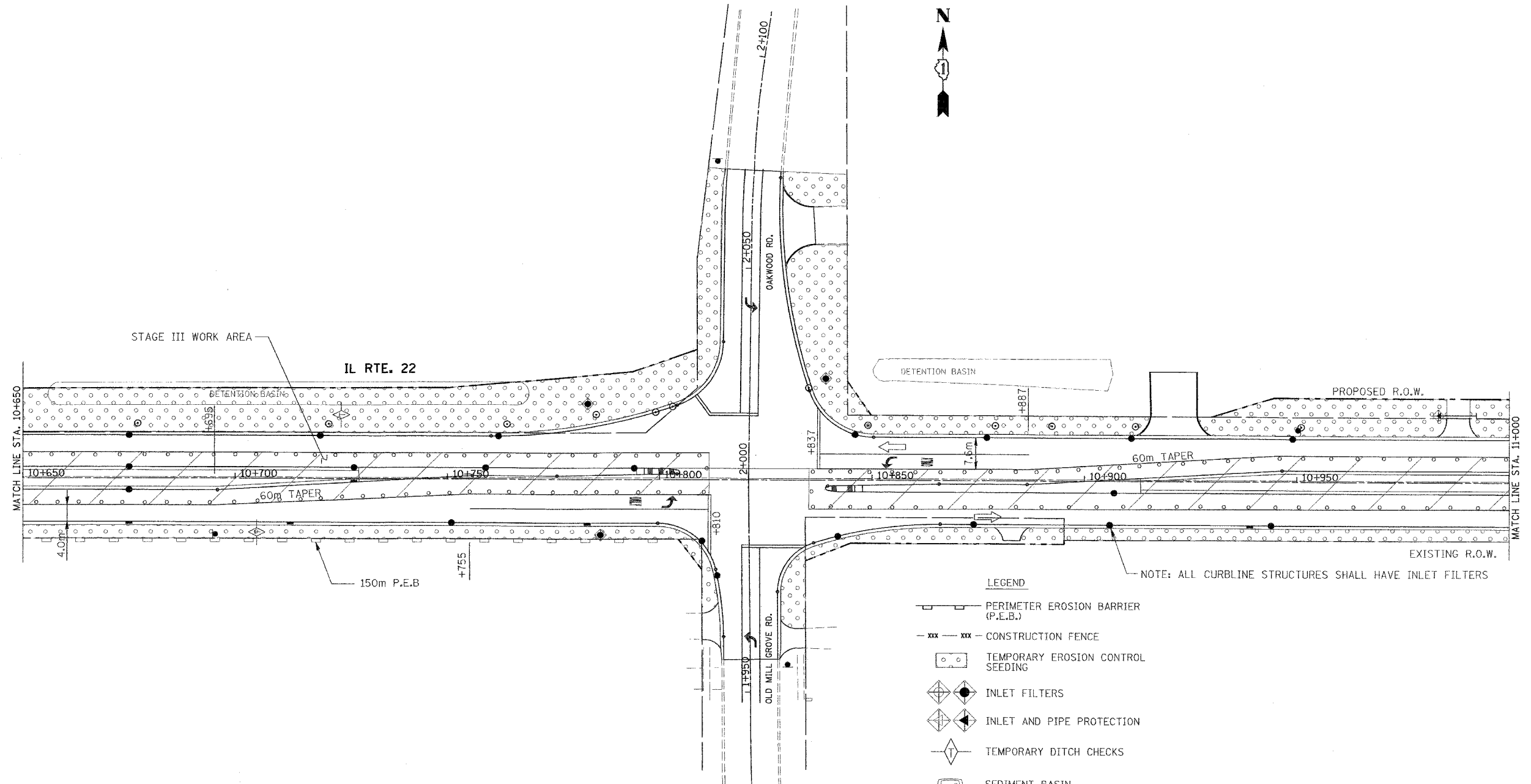
- PERIMETER EROSION BARRIER (P.E.B.)
- CONSTRUCTION FENCE
- TEMPORARY EROSION CONTROL SEEDING
- INLET FILTERS
- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECKS
- SEDIMENT BASIN
- EROSION CONTROL BLANKET
- TEMPORARY PAVEMENT
- CONSTRUCTION AREA
- DRAINAGE STRUCTURES

**TEMPORARY EROSION CONTROL NOTES**

1. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE LAND IS OTHERWISE DISTURBED ON THE SITE.
2. IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN 3 DAYS, THEN SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSTALLED DURING CONSTRUCTION.
3. STORM SEWER INLETS SHALL BE PROTECTED WITH SEDIMENT TRAPPING OR FILTER CONTROL DEVICES DURING CONSTRUCTION.
4. THE QUANTITIES SHOWN FOR INLET & PIPE PROTECTION AND TEMPORARY DITCH CHECKS ARE SUFFICIENT FOR ONE (1) SETUP AND THREE (3) REPLACEMENTS.
5. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES IN SERVICEABLE CONDITION AT ALL TIMES. EROSION CONTROL MEASURES WILL BE INSPECTED WITHIN 24 HOURS OF ANY STORM EXCEEDING 0.5 INCHES OF PRECIPITATION.
6. ALL CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORM WATER PERMIT FOR THIS PROJECT.
7. AS WORK PROGRESSES, ALL SLOPES 1:3 OR GREATER SHALL RECEIVE TEMPORARY EROSION CONTROL SEEDING AND EROSION CONTROL BLANKET IMMEDIATELY. ALL FLATTER AREAS THAT DO NOT HAVE A COVER OF VEGETATION, AND WHERE NO FURTHER WORK IS TO OCCUR FOR ONE MONTH OR MORE, SHALL BE TEMPORARILY SEEDED WITHIN SEVEN (7) CALENDAR DAYS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. A SUFFICIENT QUANTITY OF TEMPORARY EROSION CONTROL SEEDING IS INCLUDED TO COVER THE LIMITS OF PERMANENT LANDSCAPING.
8. TEMPORARY DITCH CHECKS SHALL BE PLACED IMMEDIATELY AFTER DITCH GRADING (OR CLEANING AND REGRADING) IS COMPLETED.
9. ALL PROPOSED OPEN LID DRAINAGE STRUCTURES SHALL BE PROTECTED AS DIRECTED BY THE ENGINEER WITH INLET FILTERS, AND THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "INLET FILTERS". ALL OPEN END CULVERTS SHALL BE PROTECTED AS DIRECTED BY THE ENGINEER, WHICH WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "INLET AND PIPE PROTECTION".
10. WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.
11. ANY SOIL, MUD OR DEBRIS WASHED, TRACKED, OR DEPOSITED ONTO THE STREET SHALL BE REMOVED PRIOR TO THE END OF THE WORK DAY.

| REVISIONS |      | ILLINOIS DEPARTMENT OF TRANSPORTATION<br>ILLINOIS ROUTE 22<br>STORMWATER POLLUTION PREVENTION PLAN<br>STAGE III<br>STA. 9+950 TO STA. 10+650 |
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| NAME      | DATE |  |
|           |      | SCALE IN METERS<br>HORIZ. (1:500)  DRAWN BY: SMP   |
|           |      | DATE: 03/11/05 CHECKED BY: MGJ   |

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| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE                      | 318          | 167       |
| STA. 10+650         |          | TO STA. 11+000            |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 62030  |          |                           |              |           |



- LEGEND**
- PERIMETER EROSION BARRIER (P.E.B.)
  - CONSTRUCTION FENCE
  - TEMPORARY EROSION CONTROL SEEDING
  - INLET FILTERS
  - INLET AND PIPE PROTECTION
  - TEMPORARY DITCH CHECKS
  - SEDIMENT BASIN
  - EROSION CONTROL BLANKET
  - TEMPORARY PAVEMENT
  - CONSTRUCTION AREA
  - DRAINAGE STRUCTURES

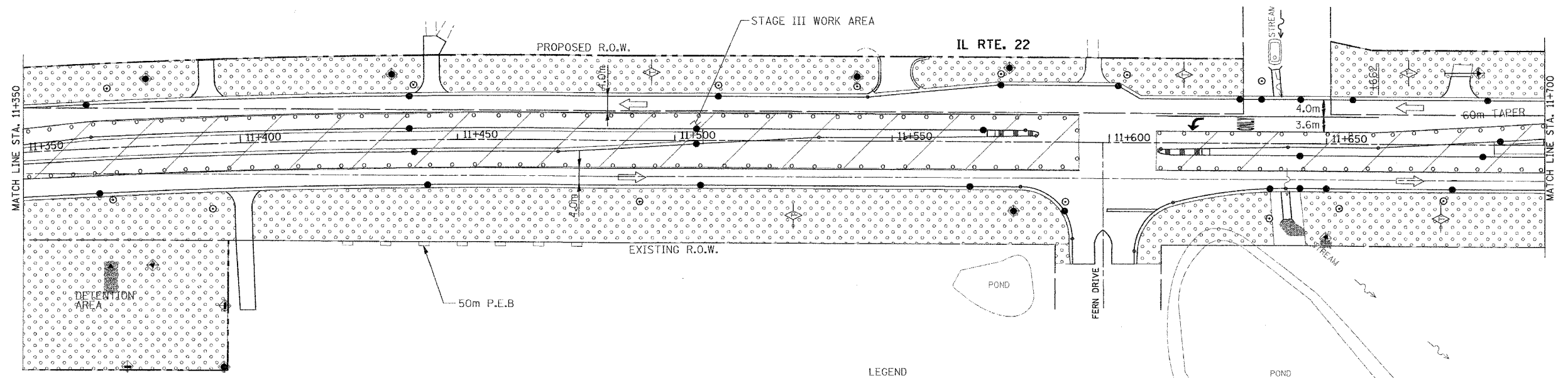
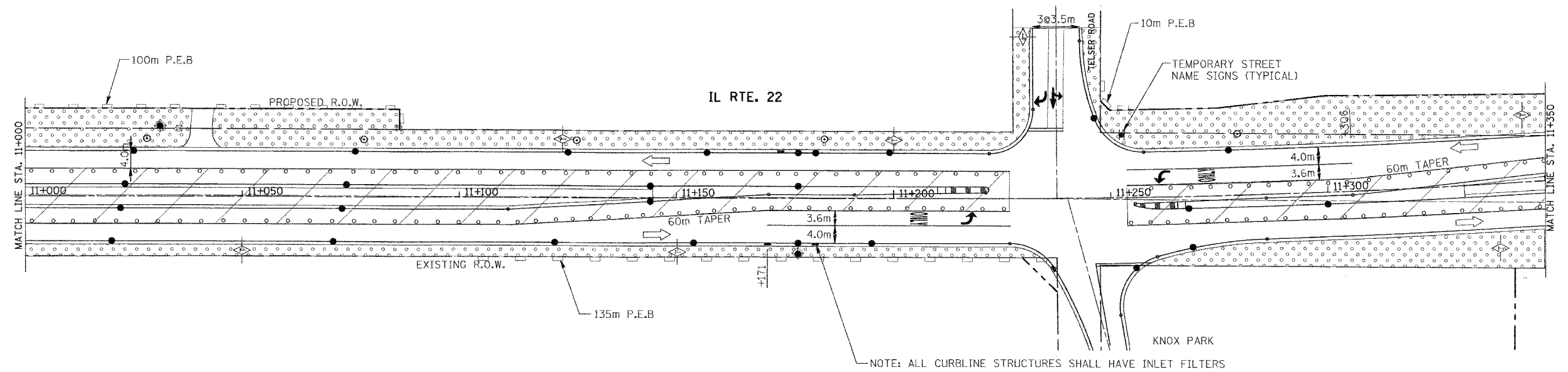
NOTE: ALL CURBLINE STRUCTURES SHALL HAVE INLET FILTERS

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ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
STORMWATER POLLUTION PREVENTION PLAN  
STAGE III  
STA. 10+650 TO STA. 11+000

SCALE IN METERS  
HORIZ. (1:5000) DRAWN BY: SMP  
DATE: 03/11/05 CHECKED BY: MGJ

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| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE                      | 3/8          | 168       |
| STA. 11+000         |          | TO STA. 11+700            |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 62030  |          |                           |              |           |

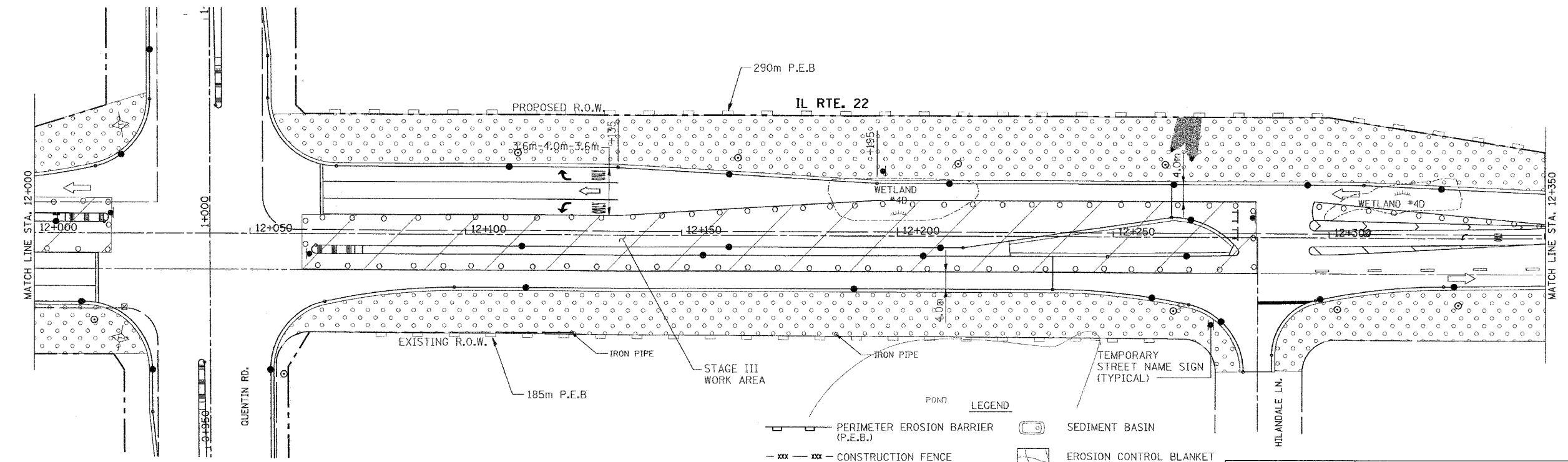
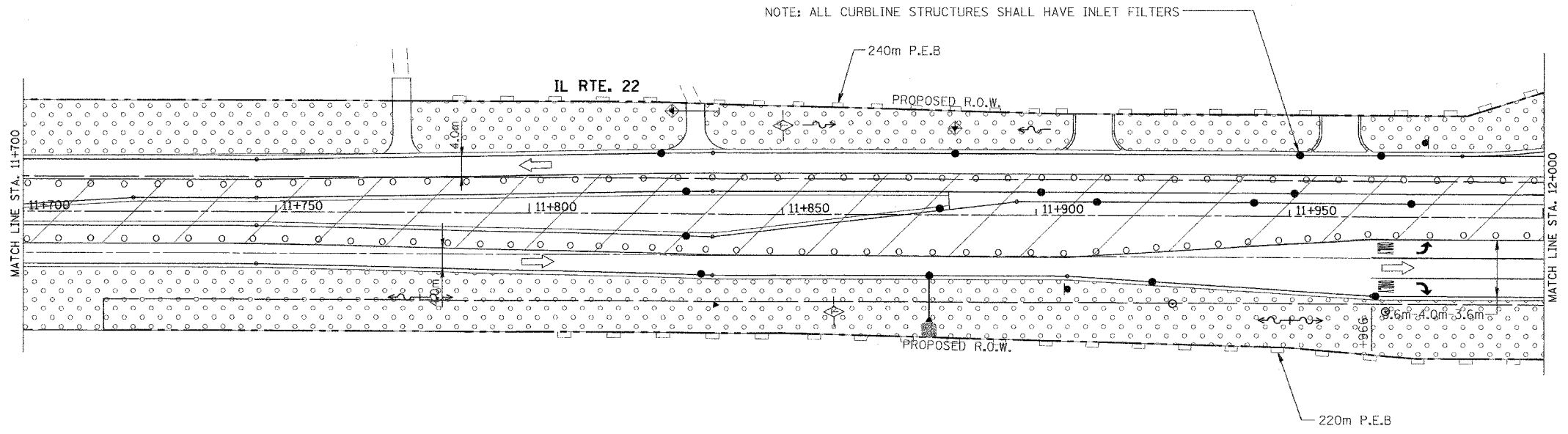


- LEGEND**
- PERIMETER EROSION BARRIER (P.E.B.)
  - CONSTRUCTION FENCE
  - TEMPORARY EROSION CONTROL SEEDING
  - INLET FILTERS
  - INLET AND PIPE PROTECTION
  - TEMPORARY DITCH CHECKS
  - SEDIMENT BASIN
  - EROSION CONTROL BLANKET
  - TEMPORARY PAVEMENT
  - CONSTRUCTION AREA
  - DRAINAGE STRUCTURES

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ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ILLINOIS ROUTE 22  
 STORMWATER POLLUTION PREVENTION PLAN  
 STAGE III  
 STA. 11+000 TO STA. 11+700  
 SCALE IN METERS  
 HORIZ. (1:500) DRAWN BY: SMP  
 DATE: 03/11/05 CHECKED BY: MGJ

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| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE                      | 318          | 169       |
| STA. 11+700         |          | TO STA. 12+350            |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 62030  |          |                           |              |           |



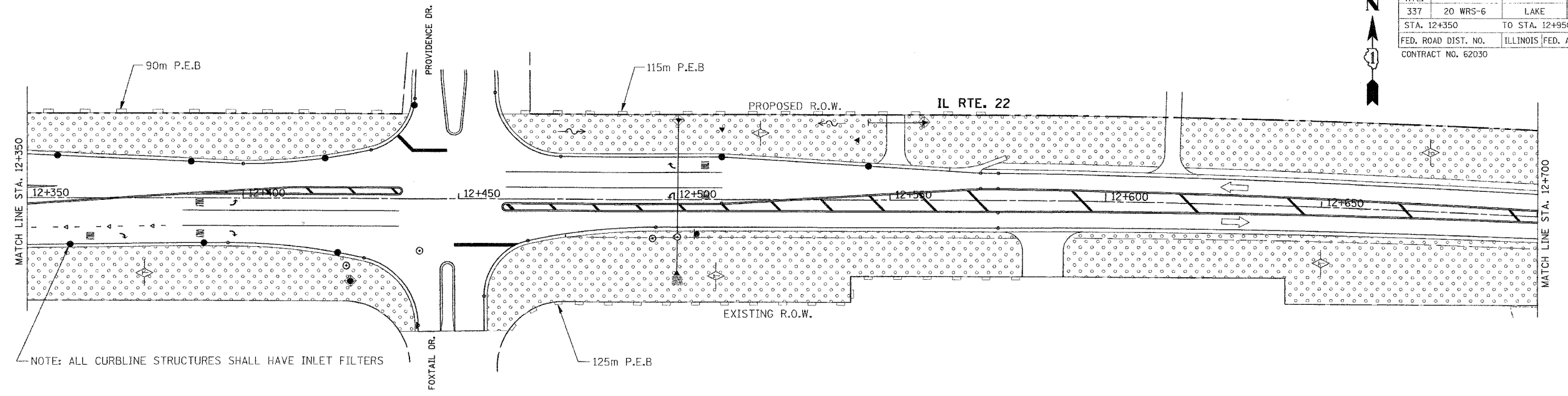
- LEGEND
- PERIMETER EROSION BARRIER (P.E.B.)
  - CONSTRUCTION FENCE
  - TEMPORARY EROSION CONTROL SEEDING
  - INLET FILTERS
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  - CONSTRUCTION AREA
  - DRAINAGE STRUCTURES

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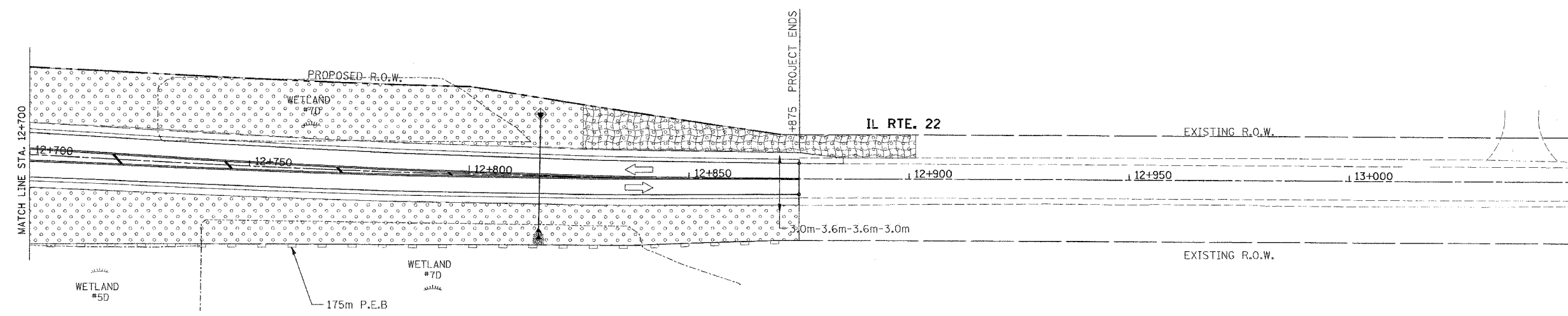
ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
STORMWATER POLLUTION PREVENTION PLAN  
STAGE III  
STA. 11+700 TO STA. 12+350

SCALE IN METERS  
HORIZ. (1:500) DRAWN BY: SMP  
DATE: 03/11/05 CHECKED BY: MGJ

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| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE                      | 3/8          | 170       |
| STA. 12+350         |          | TO STA. 12+950            |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 62030  |          |                           |              |           |



NOTE: ALL CURBLINE STRUCTURES SHALL HAVE INLET FILTERS



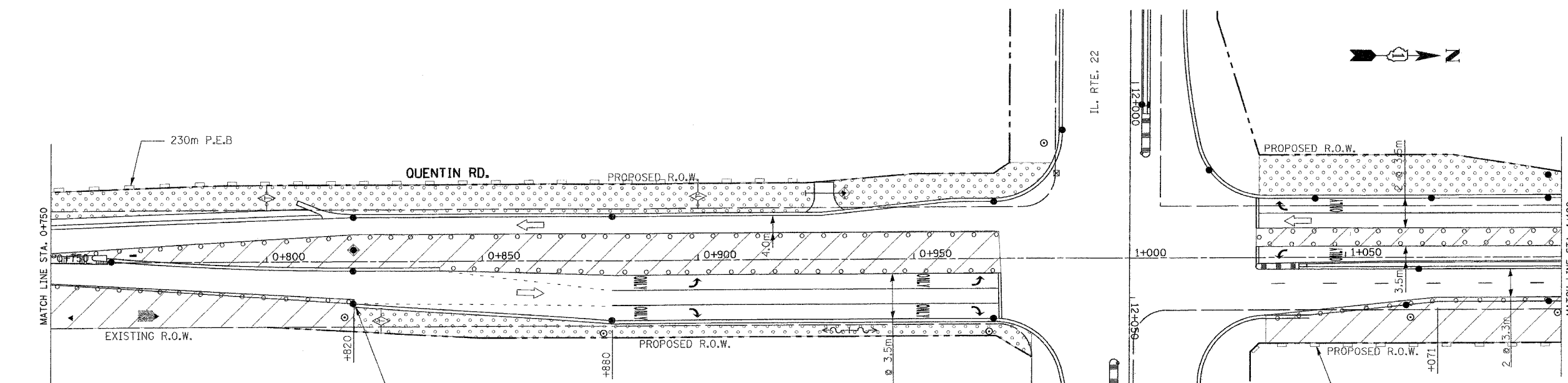
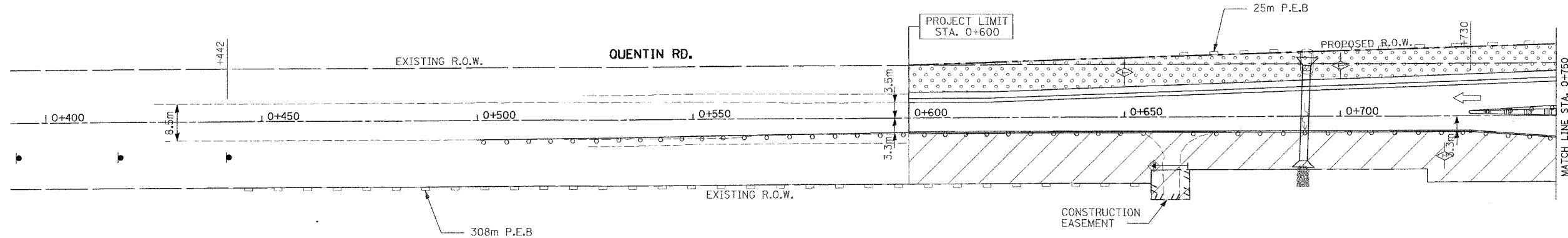
LEGEND

- PERIMETER EROSION BARRIER (P.E.B.)
- CONSTRUCTION FENCE
- TEMPORARY EROSION CONTROL SEEDING
- INLET FILTERS
- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECKS
- SEDIMENT BASIN
- EROSION CONTROL BLANKET
- TEMPORARY PAVEMENT
- CONSTRUCTION AREA
- DRAINAGE STRUCTURES

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ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
STORMWATER POLLUTION PREVENTION PLAN  
STAGE III  
STA. 12+350 TO STA. 13+000  
SCALE IN METERS  
HORIZ. 1:5000 DRAWN BY: SMP  
DATE: 03/11/05 CHECKED BY: MGJ

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|---------------------|----------|---------------------------|--------------|-----------|
| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE                      | 3/8          | 1/71      |
| STA. 0+400          |          | TO STA. 1+100             |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 62030  |          |                           |              |           |



**LEGEND**

- PERIMETER EROSION BARRIER (P.E.B.)
- CONSTRUCTION FENCE
- TEMPORARY EROSION CONTROL SEEDING
- INLET FILTERS
- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECKS
- SEDIMENT BASIN
- EROSION CONTROL BLANKET
- TEMPORARY PAVEMENT
- CONSTRUCTION AREA
- DRAINAGE STRUCTURES

NOTE: ALL CURBLINE STRUCTURES SHALL HAVE INLET FILTERS

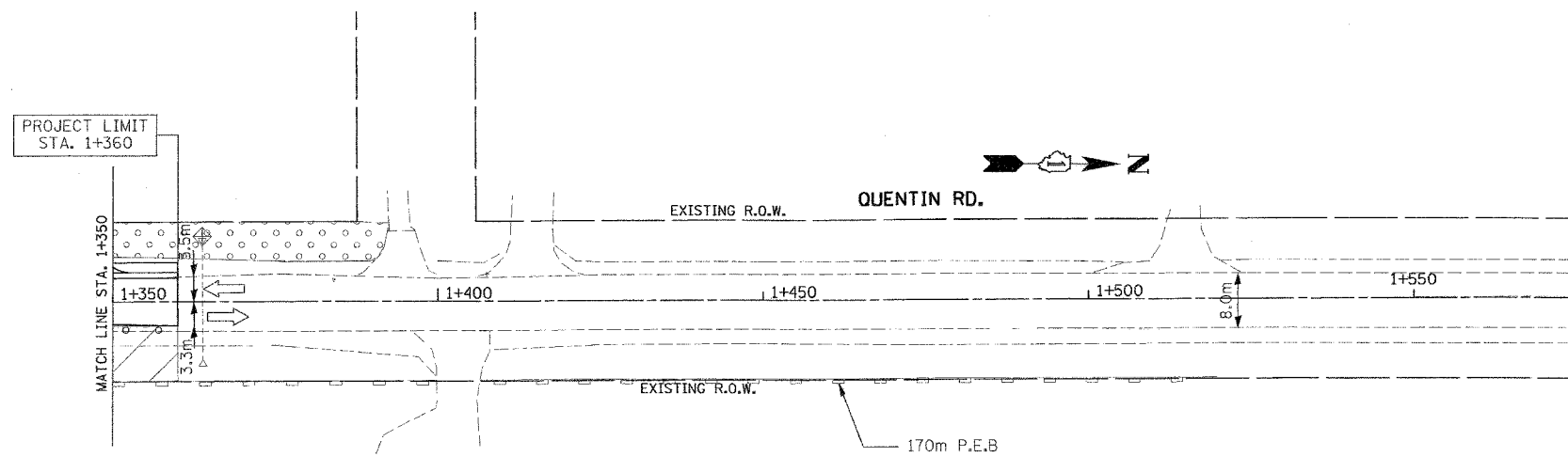
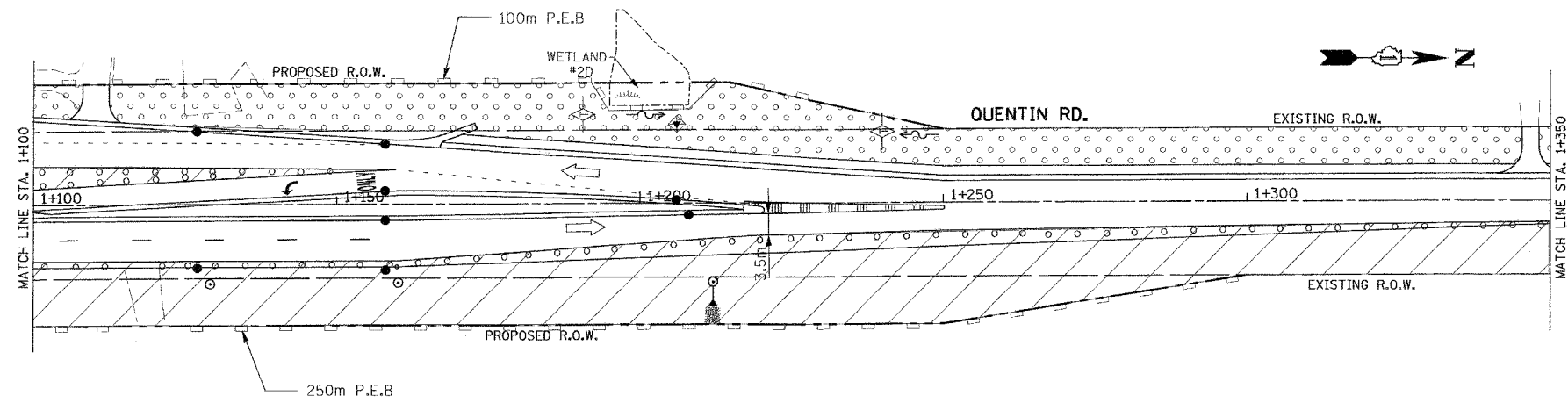
**TEMPORARY EROSION CONTROL NOTES**

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ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
STORMWATER POLLUTION PREVENTION PLAN  
STAGE III  
STA. 0+400 TO STA. 1+100  
SCALE IN METERS  
HORIZ. (1:5000) DRAWN BY: SMP  
DATE: 03/11/05 CHECKED BY: MGJ

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| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS 6 | LAKE                      | 318          | 172       |
| STA. 1+100          |          | TO STA. 1+450             |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 62030  |          |                           |              |           |

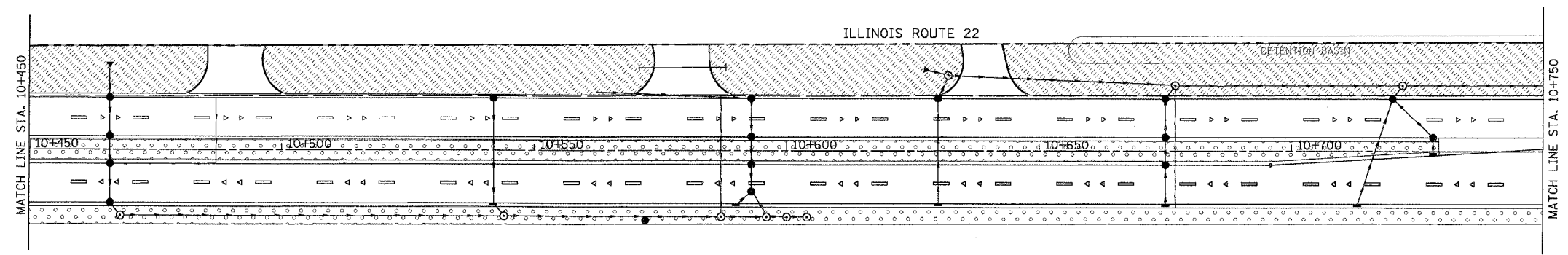
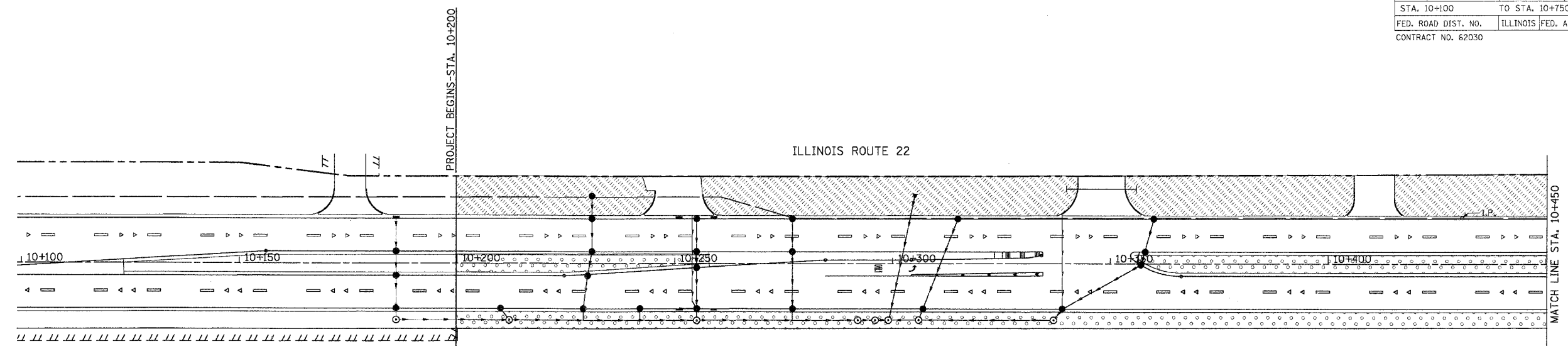
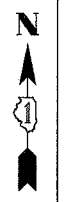


- LEGEND**
- PERIMETER EROSION BARRIER (P.E.B.)
  - CONSTRUCTION FENCE
  - TEMPORARY EROSION CONTROL SEEDING
  - INLET FILTERS
  - INLET AND PIPE PROTECTION
  - TEMPORARY DITCH CHECKS
  - SEDIMENT BASIN
  - EROSION CONTROL BLANKET
  - TEMPORARY PAVEMENT
  - CONSTRUCTION AREA
  - DRAINAGE STRUCTURES

| REVISIONS |      | ILLINOIS DEPARTMENT OF TRANSPORTATION<br>ILLINOIS ROUTE 22<br>STORMWATER POLLUTION PREVENTION PLAN<br>STAGE III<br>STA. 1+100 TO STA. 1+550 |
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| NAME      | DATE |   |
|           |      | SCALE IN METERS<br>HORIZ. (1:500)  DRAWN BY: SMP<br>DATE: 03/11/05 CHECKED BY: MGJ  |
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| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE                      | 318          | 173       |
| STA. 10+100         |          | TO STA. 10+750            |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 62030  |          |                           |              |           |



- LEGEND
- SODDING
  - SEEDING CLASS 2A
  - SEEDING CLASS 4
  - SEEDING CLASS 4B

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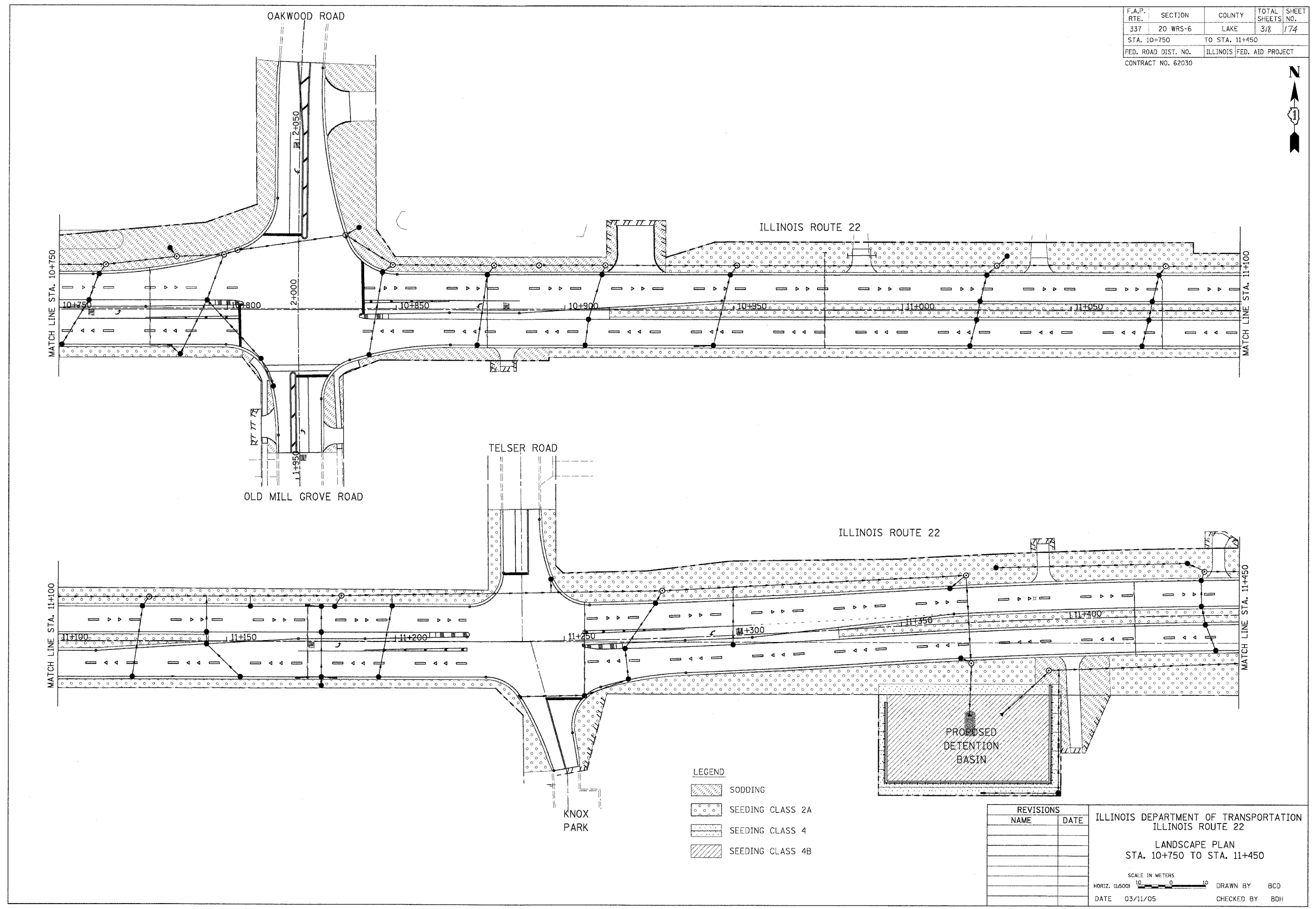
ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22





LANDSCAPE PLAN  
STA. 10+100 TO STA. 10+750

SCALE IN METERS  
HORIZ. (1:500)

DATE 03/11/05      DRAWN BY BCD  
CHECKED BY BDH

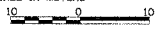
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| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE                      | 318          | 174       |
| STA. 10+750         |          | TO STA. 11+450            |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 62030  |          |                           |              |           |



- LEGEND**
-  SODDING
  -  SEEDING CLASS 2A
  -  SEEDING CLASS 4
  -  SEEDING CLASS 4B

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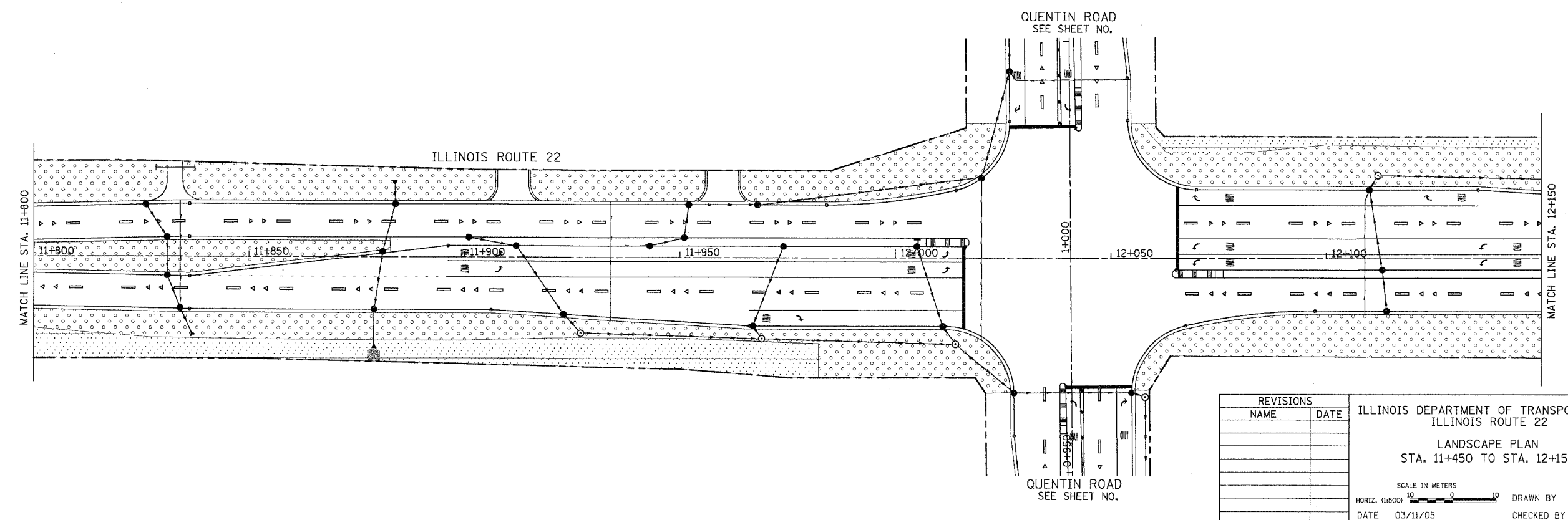
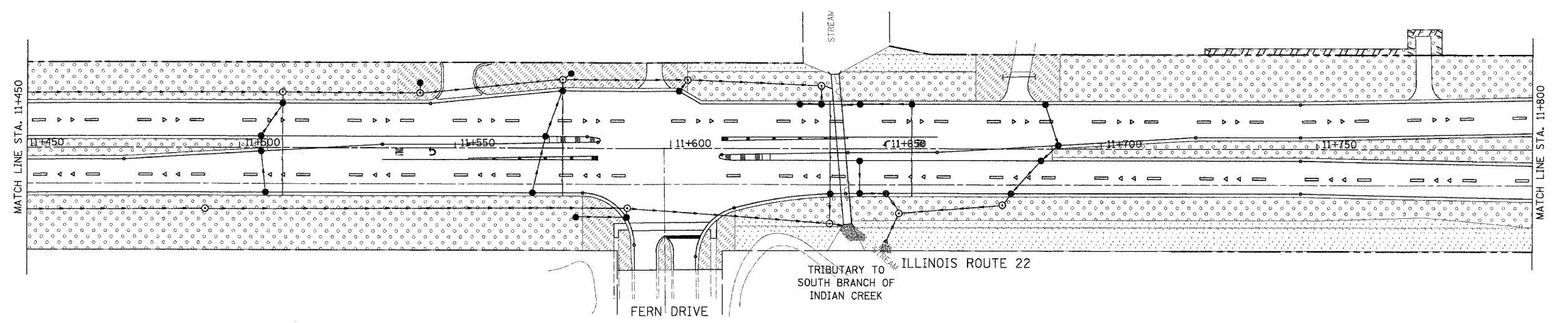
ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
LANDSCAPE PLAN  
STA. 10+750 TO STA. 11+450

SCALE IN METERS  
HORIZ. (1:500)  DRAWN BY BCD  
DATE 03/11/05 CHECKED BY BDH

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|---------------------|----------|---------------------------|--------------|-----------|
| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE                      | 3/8          | 1/75      |
| STA. 11+450         |          | TO STA. 12+150            |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 62030  |          |                           |              |           |



- LEGEND
- SODDING
  - SEEDING CLASS 2A
  - SEEDING CLASS 4
  - SEEDING CLASS 4B

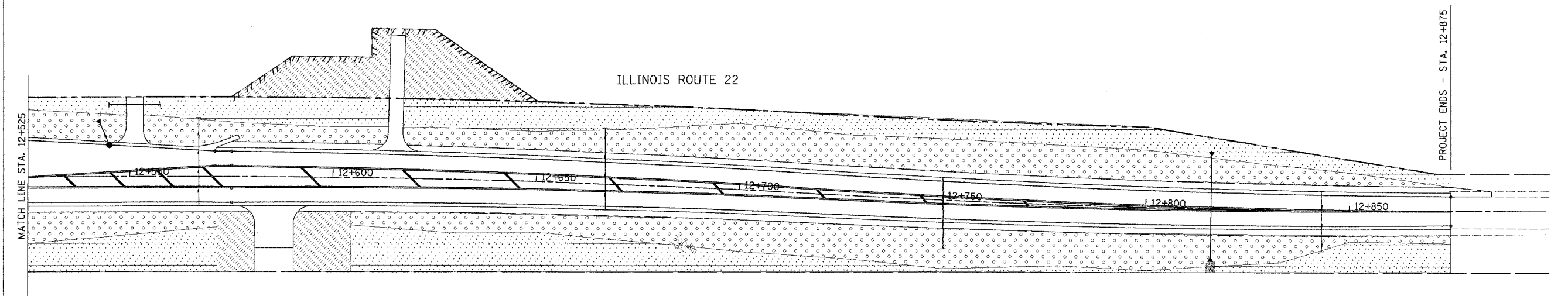
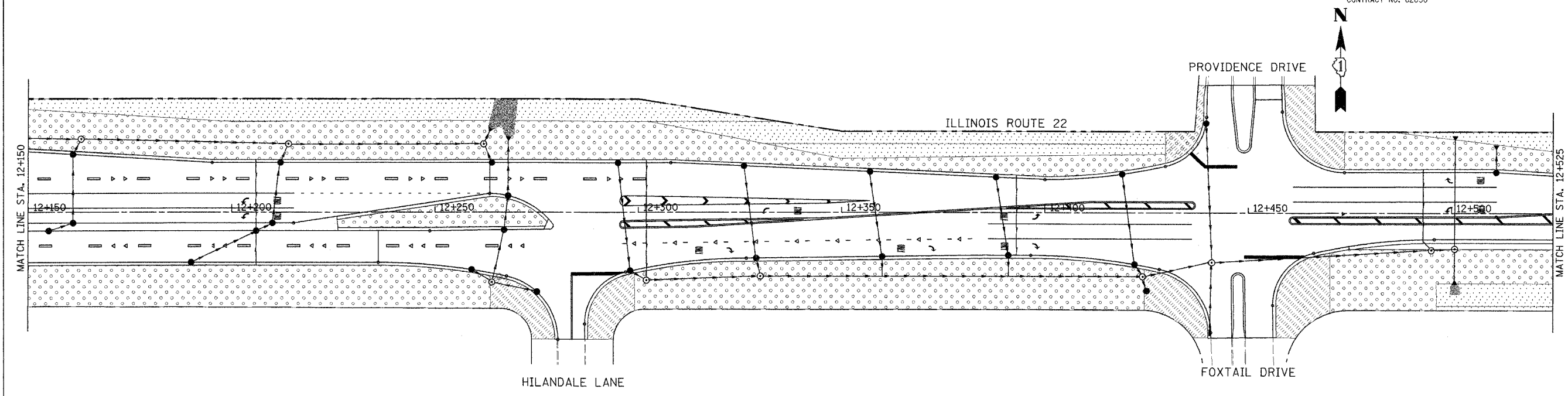






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ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
LANDSCAPE PLAN  
STA. 11+450 TO STA. 12+150

SCALE IN METERS  
HORIZ. (1:5000) DRAWN BY BCD  
DATE 03/11/05 CHECKED BY BDH


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|---------------------|----------|---------------------------|--------------|-----------|
| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE                      | 3/8          | 176       |
| STA. 12+150         |          | TO STA. 12+900            |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 62030  |          |                           |              |           |



- LEGEND
-  SODDING
  -  SEEDING CLASS 2A
  -  SEEDING CLASS 4
  -  SEEDING CLASS 4B

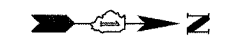
| REVISIONS |      |
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22  
LANDSCAPE PLAN  
STA. 12+150 TO STA. 12+875

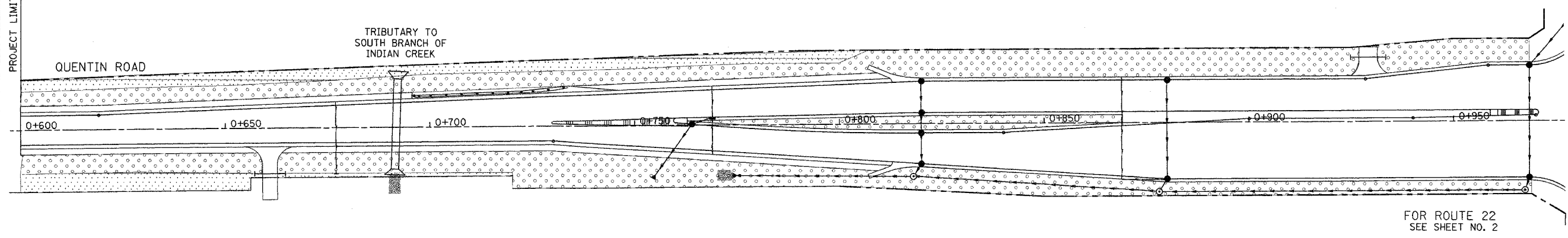
SCALE IN METERS  
HORIZ. (1:500) 

DATE 03/11/05 DRAWN BY BCD  
CHECKED BY BDH

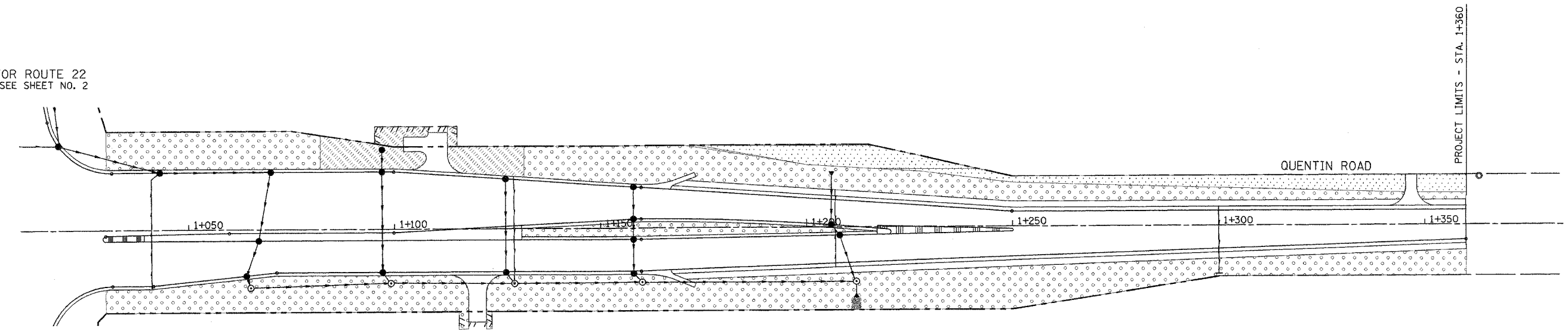
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|---------------------|----------|---------------------------|--------------|-----------|
| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE                      | 318          | 177       |
| STA. 0+600          |          | TO STA. 1+375             |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 62030  |          |                           |              |           |



PROJECT LIMITS - STA. 0+600



FOR ROUTE 22  
SEE SHEET NO. 2



- LEGEND
- SODDING
  - SEEDING CLASS 2A
  - SEEDING CLASS 4
  - SEEDING CLASS 4B

| REVISIONS |      |
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| NAME      | DATE |
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22

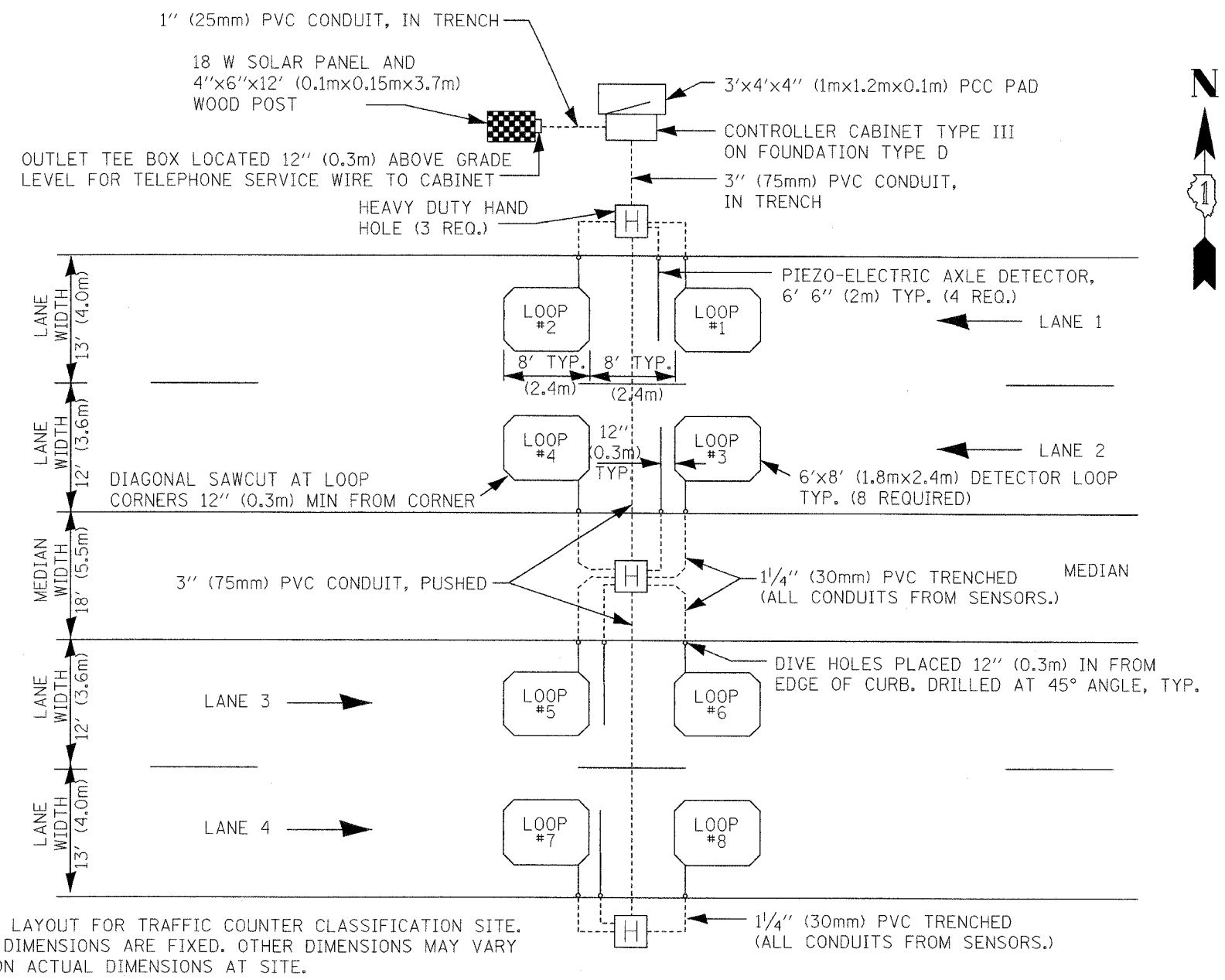
LANDSCAPE PLAN  
STA. 0+600 TO STA. 1+360

SCALE IN METERS  
HORIZ. (1:500) DRAWN BY BCD  
DATE 03/11/05 CHECKED BY BDH

|                     |          |                           |              |           |
|---------------------|----------|---------------------------|--------------|-----------|
| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE                      | 3/8          | 1/78      |
| STA.                |          | TO STA.                   |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 62030  |          |                           |              |           |

SUMMARY OF QUANTITIES

| Code     | Item   | Unit  | Quantity |
|----------|--|-------|----------|
|          | SALVAGE, STORE AND RE-INSTALL CABINET, MODEM AND SOLAR PANEL | Each  | 1        |
| 81400200 | HEAVY DUTY HANDHOLE  | Each  | 3        |
| MX032391 | ELECTRIC CABLE IN CONDUIT, CONOGA-30003                      | Meter | 168      |
| MX030341 | PIEZO AXLE SENSOR, CLASS II                                  | Meter | 8        |
| MX030169 | PIEZO ELECTRIC SENSOR CABLE IN CONDUIT                       | Meter | 83       |
| M8150200 | TRENCH AND BACKFILL FOR ELECTRICAL WORK                      | Meter | 24       |
| M8100240 | CONDUIT IN TRENCH, 30mm PVC                                  | Meter | 30       |
| M8100280 | CONDUIT IN TRENCH, 75mm PVC                                  | Meter | 2        |
| M8101470 | CONDUIT PUSHED, 75mm PVC                                     | Meter | 26       |
| M8780200 | FOUNDATION TYPE D  | Meter | 1.2      |
| M8860100 | DETECTOR LOOP TYPE I   | Meter | 77       |



TYPICAL LAYOUT FOR TRAFFIC COUNTER CLASSIFICATION SITE. SENSOR DIMENSIONS ARE FIXED. OTHER DIMENSIONS MAY VARY BASED ON ACTUAL DIMENSIONS AT SITE.

LAYOUT FOR ATR SITE #1520  
IL RTE. 22 WEST OF QUENTIN  
STA. 11+796, 13.5m LEFT

| REVISIONS |      | ILLINOIS DEPARTMENT OF TRANSPORTATION<br>ILLINOIS ROUTE 22 |                |
|-----------|------|--|----------------|
| NAME      | DATE |  |                |
|           |      | TRAFFIC COUNTER REPLACEMENT                                |                |
|           |      |  |                |
|           |      |  |                |
|           |      |  |                |
|           |      |  |                |
|           |      | SCALE NTS  | DRAWN BY SMP   |
|           |      | DATE 03/11/05  | CHECKED BY BDH |

NOTES FOR TEMPORARY TRAFFIC SIGNALS

- 1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12".
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL.

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE STATE AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE STATE'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

1 EACH CONTROLLER AND CABINET, COMPLETE

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

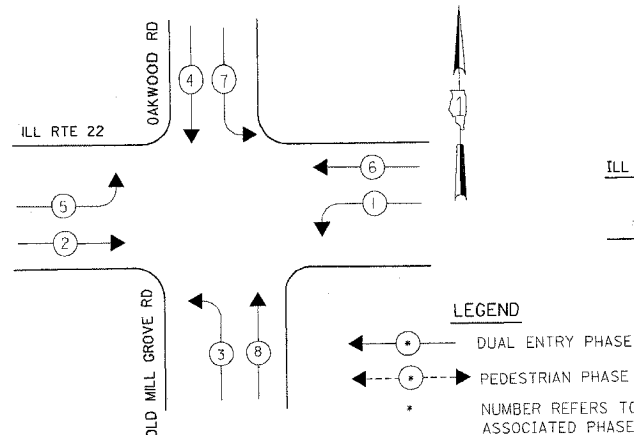
Table with 4 columns: Quantity, Unit, Description, and Value. Lists items to be removed such as signal heads, backplates, posts, and steel mast arm assemblies.

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: VILLAGE OF LAKE ZURICH

2 EACH LIGHT DETECTOR (MODEL: 521)

CONTROLLER SEQUENCE



EMERGENCY VEHICLE PREEMPTION SEQUENCE

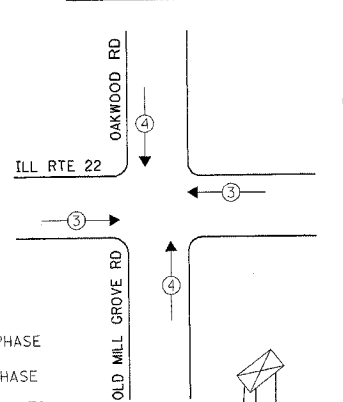
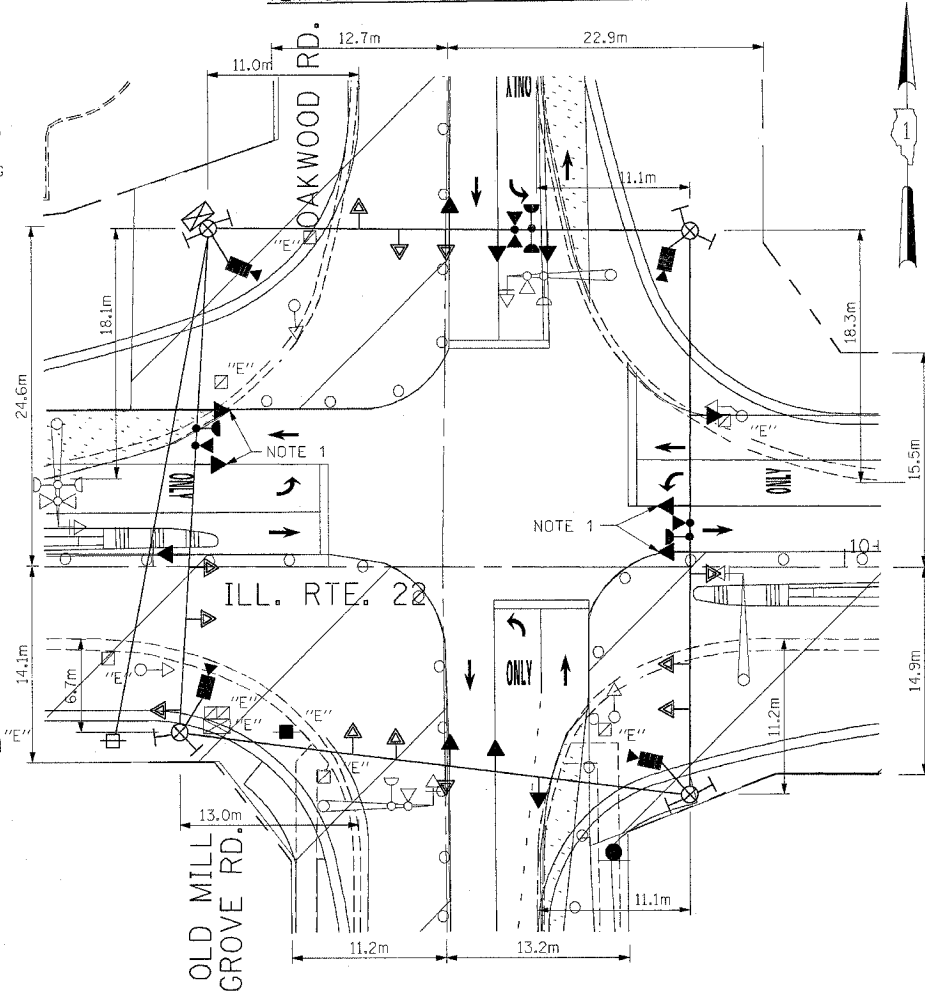


Table titled 'PROPOSED EMERGENCY VEHICLE PREEMPTORS' showing preemption for movements 3 and 4.

LEGEND: DUAL ENTRY PHASE, PEDESTRIAN PHASE, NUMBER REFERS TO ASSOCIATED PHASE

TEMPORARY PHASE DESIGNATION DIAGRAM



TEMPORARY TRAFFIC SIGNAL INSTALLATION

SCALE IN METERS: HORIZ. (1:250)

TEMPORARY CABLE PLAN

NOT TO SCALE

ILL. RTE. 22

OAKWOOD RD.

OLD MILL GROVE RD.

FOR TEMPORARY TRAFFIC SIGNAL LEGEND, EXISTING EQUIPMENT TO BE REMOVED LEGEND, AND TEMPORARY CABLE DIAGRAM LEGEND PLEASE REFER TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION DRAWING FOR STAGE III CONSTRUCTION.

Table with 5 columns: TYPE, NO LAMPS, WATTAGE (INCAND., LED), %OPERATION, TOTAL WATTAGE. Includes a summary row for ENERGY COSTS TO: TOTAL = 1636.00.

NOTE 1: THE GREEN AND YELLOW LEFT TURN ARROW INDICATIONS ARE TO BE DISCONNECTED AND BAGGED PRIOR TO THE CONNECTION AND UNBAGGING OF THE PROTECTED LEFT TURN INDICATIONS FOR ILLINOIS ROUTE 22 FOR STAGE III CONSTRUCTION.

NOTE 2: ALL VIDEO DETECTION ZONES ARE TO BE DETERMINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCIDENTAL TO THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.

CONSTRUCTION NOTE

1. THE EXISTING LIGHT DETECTOR (MODEL: 521) ON EXISTING TRAFFIC SIGNAL MAST ARM IN THE N-W CORNER OF THE INTERSECTION SHALL BE RELOCATED TO THE PROPOSED TRAFFIC SIGNAL.

NOTE: SIGNAL HEAD PLACEMENT TO BE USED IN CONSTRUCTION STAGE 2 ARE SHOWN AS SECONDARY SIGNAL HEAD LOCATIONS.

Table with 2 columns: NAME, DATE. Used for recording revisions.

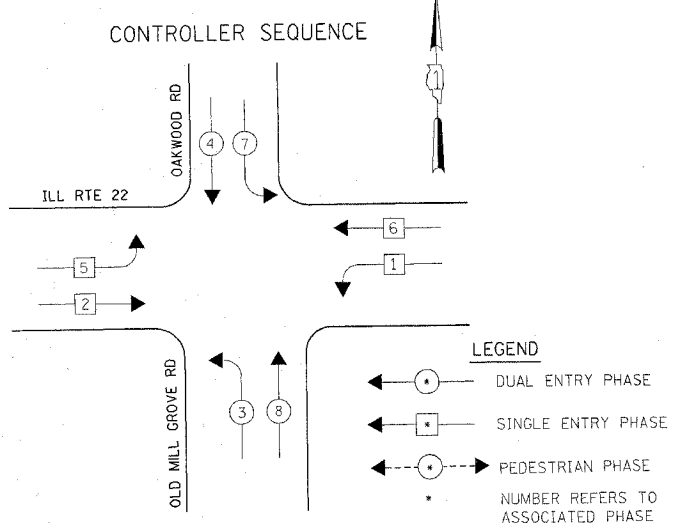
ILLINOIS DEPARTMENT OF TRANSPORTATION TEMPORARY TRAFFIC SIGNAL INSTALLATION FOR CONSTRUCTION STAGE I AND II ILLINOIS ROUTE 22 AT OAKWOOD ROAD-OLD MILL GROVE ROAD

SCALE: AS NOTED DATE: MARCH 11, 2005

DRAWN BY: FAO DESIGNED BY: BC/PKG CHECKED BY: PKG/RMM

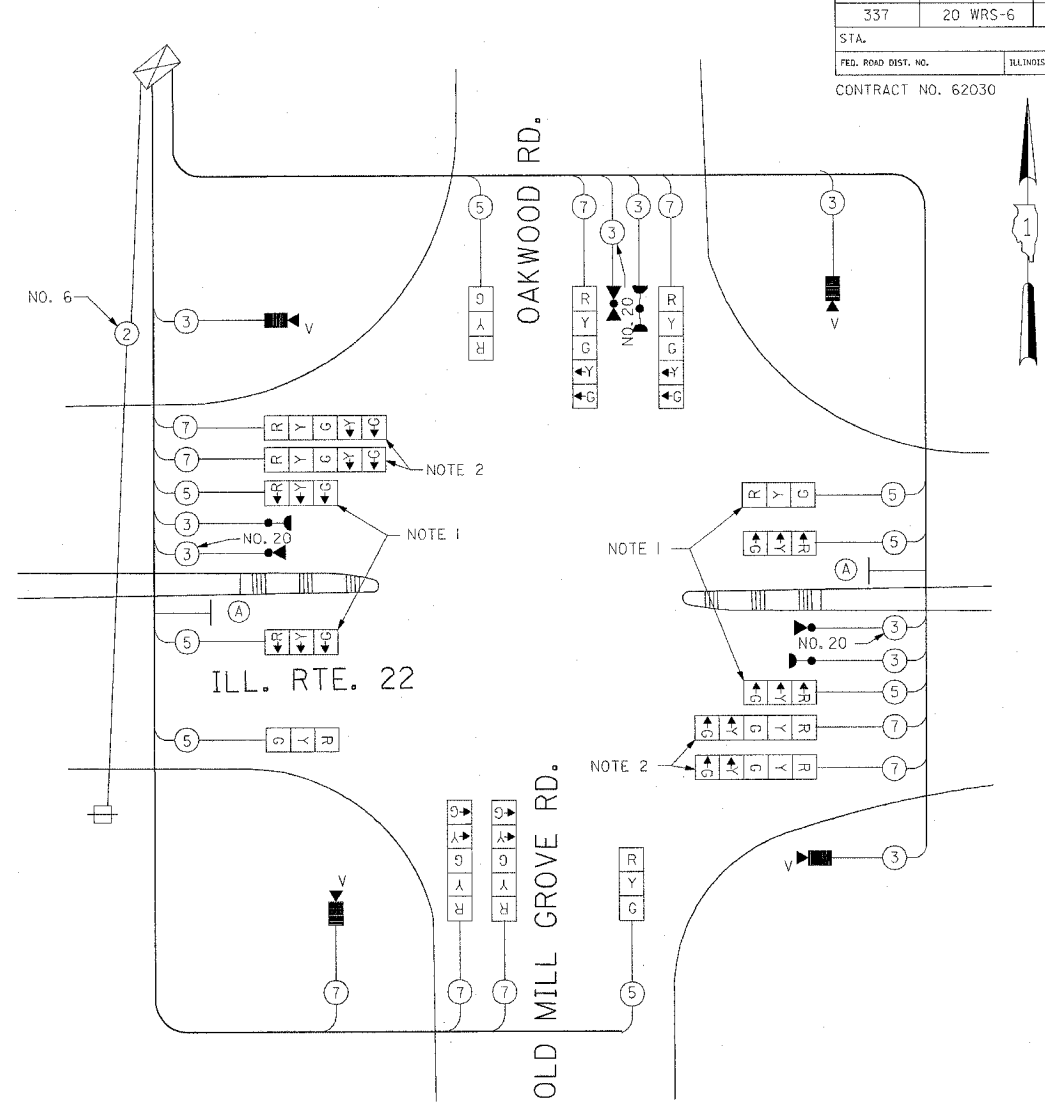
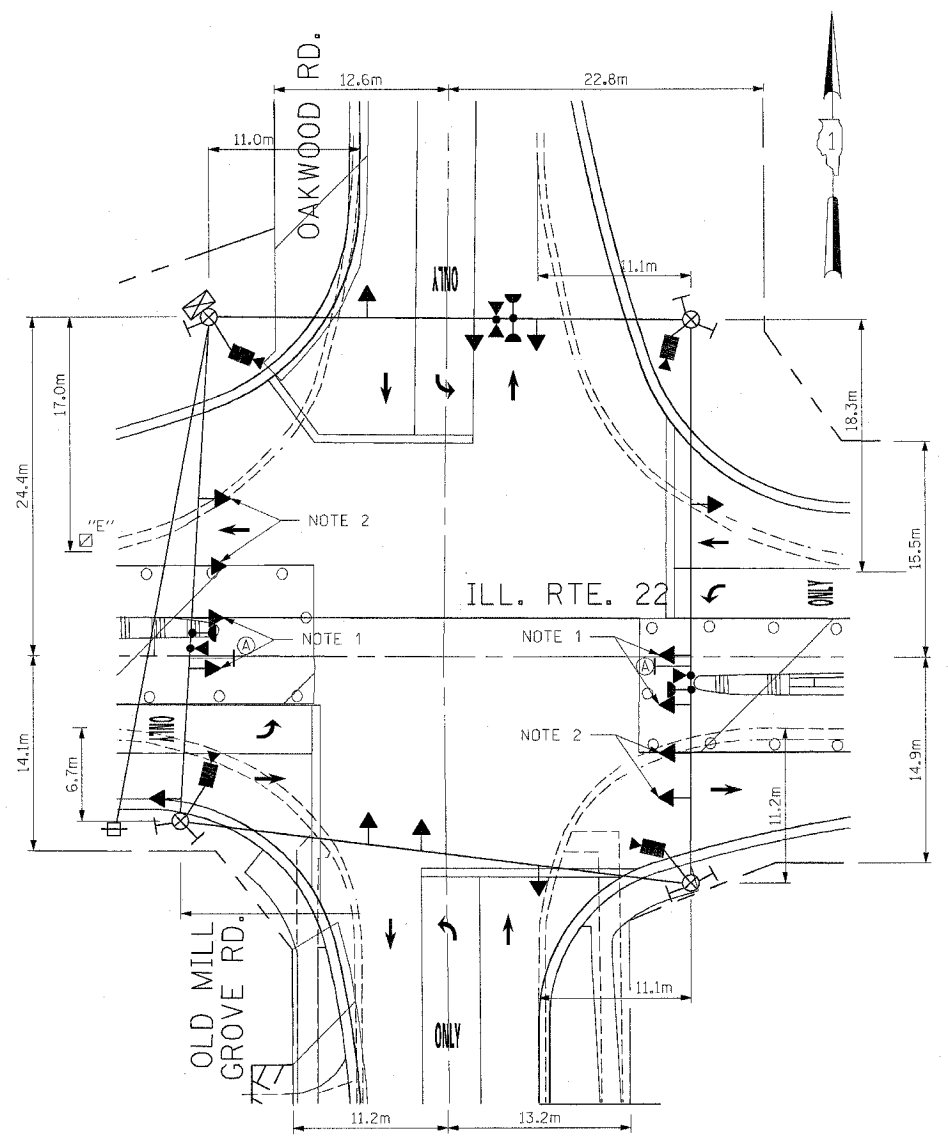
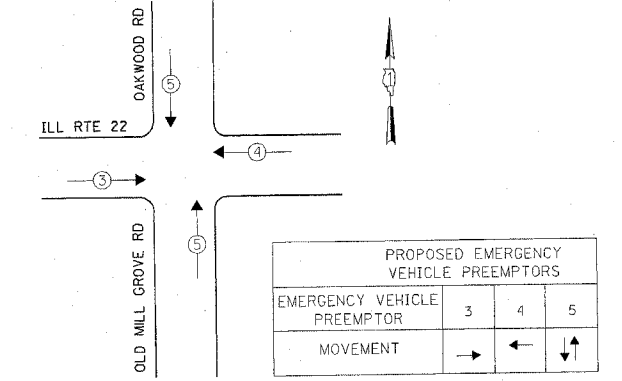
179-oak-traffic.pdf: 13:27:05 04/04/2005

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| F.A.P. RTE.         | SECTION  | COUNTY   | TOTAL SHEETS      | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE     | 318               | 180       |
| STA.                |          | TO STA.  |                   |           |
| FED. ROAD DIST. NO. |          | ILLINOIS | FED. AID PROJECT: |           |
| CONTRACT NO. 62030  |          |          |                   |           |



**TEMPORARY PHASE DESIGNATION DIAGRAM FOR CONSTRUCTION STAGE III**

**EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**NOTE 1:** THE PROPOSED PROTECTED LEFT TURN SIGNAL HEADS ARE NOT TO BE INSTALLED AT THE TIME THE TEMPORARY SIGNAL IS CONSTRUCTED. THESE SIGNAL HEADS ARE TO BE INSTALLED ONE WEEK PRIOR TO THE OPENING OF THE CONSTRUCTION STAGE III LANE CONFIGURATION. THE HEADS ARE TO BE BAGGED UNTIL THEY ARE PLACED IN OPERATION. WITH APPROVAL FROM THE ENGINEER THE CONTRACTOR MAY, HOWEVER, INSTALL AND BAG THESE SIGNAL HEADS AT THE TIME THE TEMPORARY TRAFFIC SIGNAL INSTALLATION IS CONSTRUCTED.

**NOTE 2:** THE GREEN AND YELLOW LEFT TURN ARROW INDICATIONS ARE TO BE BAGGED AND DISCONNECTED PRIOR TO THE CONNECTION AND UNBAGGING OF THE PROTECTED LEFT TURN SIGNAL INDICATIONS FOR ILLINOIS ROUTE 22.

**EXISTING EQUIPMENT TO BE REMOVED LEGEND**

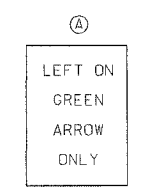
- EXISTING SIGNAL TO BE REMOVED
- EXISTING SERVICE INSTALLATION TO BE REMOVED
- EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
- EXISTING MAST ARM POLE AND FOUNDATION TO BE REMOVED
- EXISTING CONTROLLER AND FOUNDATION TO BE REMOVED
- EXISTING HANDHOLE TO BE REMOVED
- EXISTING DOUBLE HANDHOLE TO BE REMOVED
- PEDESTRIAN SIGNAL TO BE REMOVED
- EXISTING PEDESTRIAN PUSH-BUTTON TO BE REMOVED
- EMERGENCY VEHICLE LIGHT DETECTOR TO BE REMOVED
- CONFIRMATION BEACON TO BE REMOVED
- EXISTING HEAVY DUTY HANDHOLE TO BE REMOVED
- EXISTING STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED

**TEMPORARY TRAFFIC SIGNAL LEGEND**

- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED ORIGINAL LOCATION
- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED SECONDARY LOCATION
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY PEDESTRIAN SIGNAL HEAD, BRACKET MOUNTED
- VIDEO CAMERA ASSEMBLY
- PEDESTRIAN PUSHBUTTON DETECTOR
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- VEHICLE DETECTOR, INDUCTION LOOP
- COMMON TRENCH
- UNIT DUCT
- G.S. CONDUIT IN GROUND
- HANDHOLE
- HEAVY DUTY HANDHOLE

**TEMPORARY CABLE DIAGRAM LEGEND**

- TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300mm)
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SERVICE INSTALLATION
- INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED.
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- VEHICLE DETECTOR, INDUCTION LOOP
- PEDESTRIAN PUSHBUTTON DETECTOR
- 12" (300mm) PEDESTRIAN SIGNAL SECTION
- VIDEO CAMERA ASSEMBLY



**CONSTRUCTION NOTE**

1. THE EXISTING LIGHT DETECTOR (MODEL: 521) ON TRAFFIC SIGNAL MAST ARM IN THE N-W CORNER OF THE INTERSECTION SHALL BE RELOCATED TO THE PROPOSED TRAFFIC SIGNAL INSTALLATION.

| I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS |          |         |     |             | TOTAL WATTAGE   |
|--|----------|---------|-----|-------------|-----------------|
| TYPE   | NO LAMPS | WATTAGE |     | % OPERATION |                 |
|  |          | INCAND. | LED |             |                 |
| SIGNAL (RED)   | 16       | 135     | 17  | 0.50        | 1080.00         |
| (YELLOW)   | 16       | 135     | 25  | 0.25        | 540.00          |
| ARROW (GREEN)  | 16       | 135     | 15  | 0.25        | 540.00          |
| ARROW  | 8        | 135     | 12  | 1.00        | 308.00          |
| PED. SIGNAL  | 1        | 90      | 25  | 1.00        | 100.00          |
| CONTROLLER   | 1        | 100     | 100 | 0.05        |                 |
| ILLUM. SIGN  |          |         |     |             |                 |
| FLASHER  |          |         |     | 0.50        |                 |
| ENERGY COSTS TO:   |          |         |     |             | TOTAL = 2368.00 |

ILLINOIS DEPARTMENT OF TRANSPORTATION  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: JOAN COOK  
PHONE: (847) 816-5461  
COMPANY: LIBERTYVILLE OFFICE

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

**TEMPORARY TRAFFIC SIGNAL INSTALLATION FOR CONSTRUCTION STAGE III ILLINOIS ROUTE 22 AT OAKWOOD ROAD-OLD MILL GROVE ROAD**

SCALE: AS NOTED  
DATE: MARCH 11, 2005

DRAWN BY: EAO  
DESIGNED BY: BC/PKG  
CHECKED BY: PKG/RMM

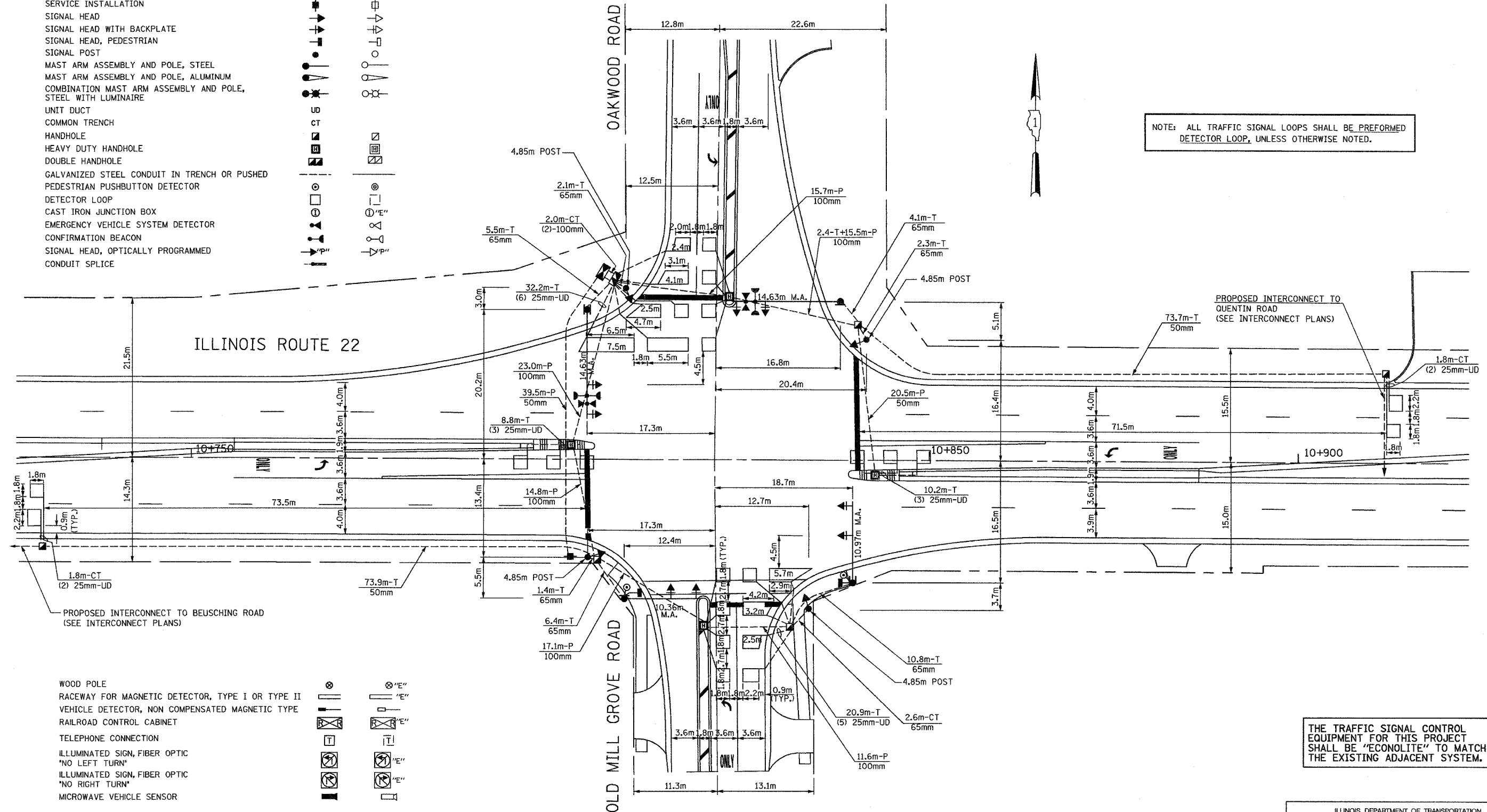
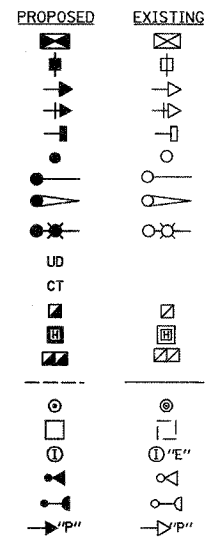


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| F.A.P. RTE.         | SECTION  | COUNTY           | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE             | 318          | 181       |
| STA.                | TO STA.  |                  |              |           |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT |              |           |

CONTRACT NO. 62030

**TRAFFIC SIGNAL LEGEND**

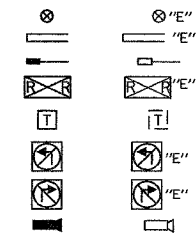
- CONTROLLER
- SERVICE INSTALLATION
- SIGNAL HEAD
- SIGNAL HEAD WITH BACKPLATE
- SIGNAL HEAD, PEDESTRIAN
- SIGNAL POST
- MAST ARM ASSEMBLY AND POLE, STEEL
- MAST ARM ASSEMBLY AND POLE, ALUMINUM
- COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE
- UNIT DUCT
- COMMON TRENCH
- HANDHOLE
- HEAVY DUTY HANDHOLE
- DOUBLE HANDHOLE
- GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED
- PEDESTRIAN PUSHBUTTON DETECTOR
- DETECTOR LOOP
- CAST IRON JUNCTION BOX
- EMERGENCY VEHICLE SYSTEM DETECTOR
- CONFIRMATION BEACON
- SIGNAL HEAD, OPTICALLY PROGRAMMED
- CONDUIT SPLICE



NOTE: ALL TRAFFIC SIGNAL LOOPS SHALL BE PERFORMED DETECTOR LOOP, UNLESS OTHERWISE NOTED.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

- WOOD POLE
- RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II
- VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE
- RAILROAD CONTROL CABINET
- TELEPHONE CONNECTION
- ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"
- ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"
- MICROWAVE VEHICLE SENSOR



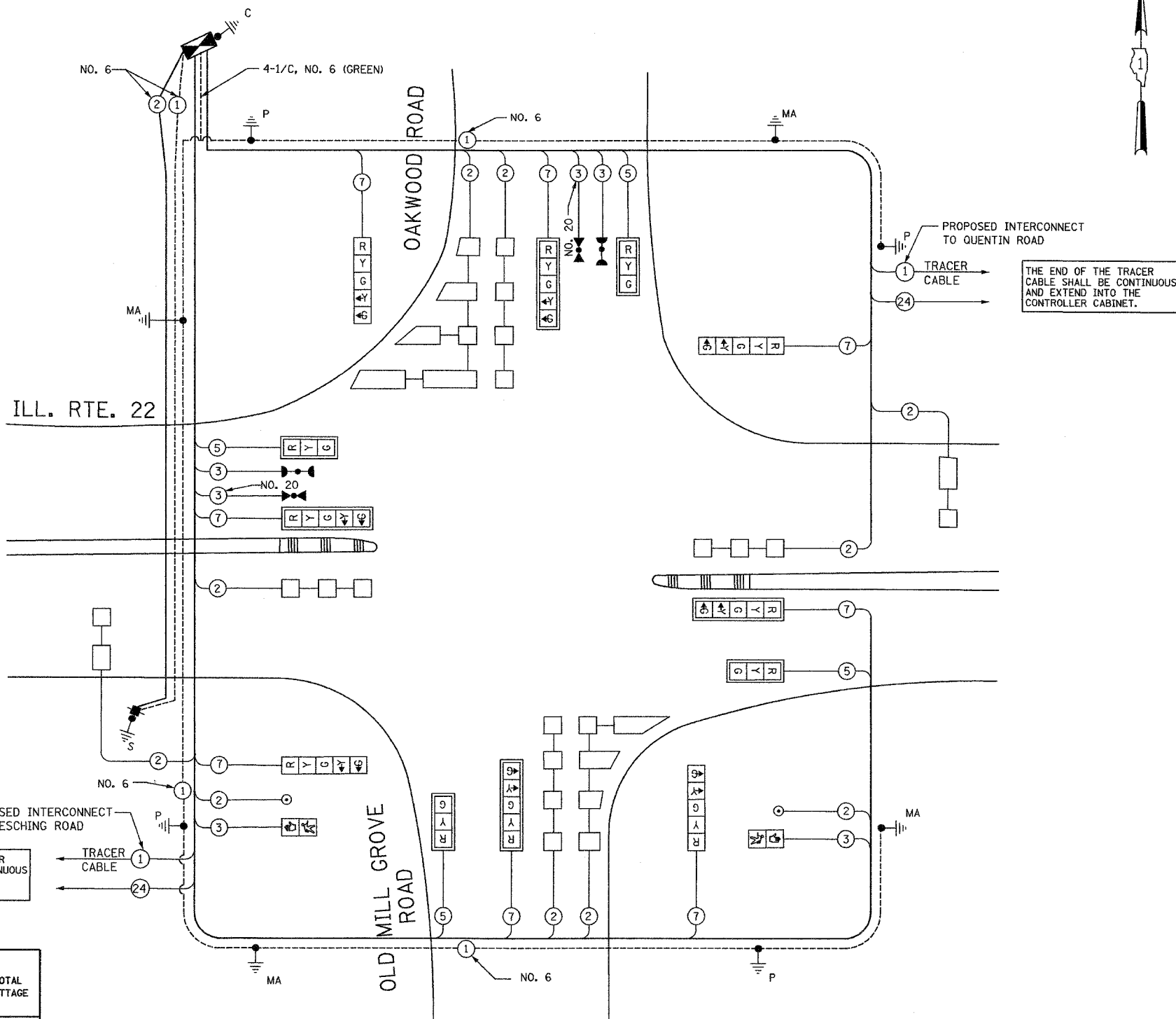
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| NAME      | DATE |
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
**TRAFFIC SIGNAL MODERNIZATION**  
 ILLINOIS ROUTE 22  
 AT OAKWOOD ROAD-OLD MILL GROVE ROAD  
 SCALE IN METERS  
 HORIZ. (1:250) 0 5  
 DATE: MARCH 11, 2005  
 DRAWN BY: EAO  
 DESIGNED BY: BC/PKG  
 CHECKED BY: PKG/RMM

**GANDHI AND ASSOCIATES, INC.**  
 ENGINEERS AND PLANNERS  
 6035 N. NORTHWEST HIGHWAY  
 SUITE 306  
 CHICAGO, ILLINOIS 60631 TEL: (773) 774-5980

|                     |          |          |                   |           |
|---------------------|----------|----------|-------------------|-----------|
| F.A.P. RTE.         | SECTION  | COUNTY   | TOTAL SHEETS      | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE     | 318               | 182       |
| STA.                |          | TO STA.  |                   |           |
| FED. ROAD DIST. NO. |          | ILLINOIS | FED. AID PROJECT: |           |

CONTRACT NO. 62030



### CABLE PLAN LEGEND

| EXISTING | PROPOSED |
|----------|----------|
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| I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS |          |         |     |            | TOTAL WATTAGE |
|--|----------|---------|-----|------------|---------------|
| TYPE   | NO LAMPS | WATTAGE |     | %OPERATION |               |
| SIGNAL (RED)   |          | 135     | 17  | 0.50       |               |
| (YELLOW)   | 12       | 135     | 25  | 0.25       | 102.0         |
| (GREEN)  | 12       | 135     | 15  | 0.25       | 75.0          |
| ARROW  | 12       | 135     | 12  | 0.10       | 45.0          |
| PED. SIGNAL  | 16       | 90      | 25  | 1.00       | 18.2          |
| CONTROLLER   | 2        | 100     | 100 | 1.00       | 50            |
| ILLUM. SIGN  | 1        |         |     | 0.05       | 100           |
| FLASHER  |          |         |     | 0.50       |               |
| TOTAL =  |          |         |     |            | 391.2         |

| FOUNDATION (DEPTH) | FT. (m)  | CABLE SLACK      | FT. (m)   | VERTICAL          | FT. (m)    |
|--------------------|----------|------------------|-----------|-------------------|------------|
| TYPE A-POST        | 4 (1.2)  | HANDHOLE         | 6.5 (2.0) | ALL FOUNDATIONS   | 3.5 (1.0)  |
| D-CONTROLLER       | 4 (1.2)  | DOUBLE HANDHOLE  | 13 (4.0)  | MAST ARM (L) POLE | 20'+L-2'   |
| E-M.ARM POLE       |          | SIGNAL POST      | 2 (1.0)   | (6m+L-0.6m)=      |            |
| 24" (600mm)        | 10 (3.0) | CONTROLLER CAB.  | 1 (0.5)   | BRACKET MOUNTED   | 13 (4.0)   |
| 30" (750mm)        | 15 (4.6) | FIBER OPTIC      | 13 (4.0)  | PED. PUSHBUTTON   | 4 (1.2)    |
|                    |          | ELECTRIC SERVICE | 1 (0.5)   | ELECTRIC SERVICE  | 13.5 (4.1) |
|                    |          | GROUND CABLE     | 1 (0.5)   | SERVICE TO GROUND | 13.5 (4.1) |
|                    |          |                  |           | POST MOUNTED      | 6 (1.8)    |

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

ENERGY COSTS TO:  
ILLINOIS DEPARTMENT OF TRANSPORTATION  
201 WEST CENTER COURT  
SCHALMBURG, ILLINOIS 60196-1096  
ENERGY SUPPLY CONTACT: JOAN COOK  
PHONE: (847) 816-5461  
COMPANY: LIBERTYVILLE OFFICE

**GO** GANDHI AND ASSOCIATES, INC.  
ENGINEERS AND PLANNERS  
6035 N. NORTHWEST HIGHWAY  
SUITE 306  
CHICAGO, ILLINOIS 60631 TEL. (773) 774-5980

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

ILLINOIS DEPARTMENT OF TRANSPORTATION  
CABLE PLAN  
ILLINOIS ROUTE 22  
AT OAKWOOD ROAD-OLD MILL GROVE ROAD  
SCALE: NONE  
DATE: MARCH 11, 2005  
DRAWN BY: JK  
DESIGNED BY: BB  
CHECKED BY: PKG

CABLE PLAN  
NOT TO SCALE

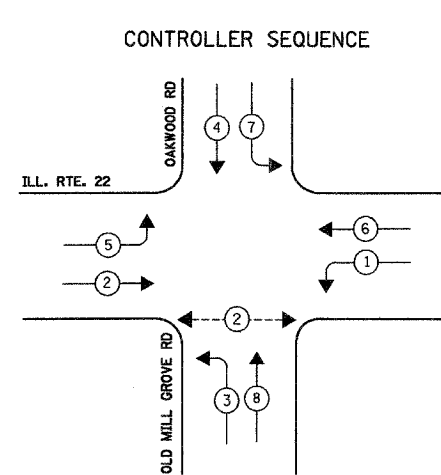
|                     |          |          |                  |           |
|---------------------|----------|----------|------------------|-----------|
| F.A.P. RTE.         | SECTION  | COUNTY   | TOTAL SHEETS     | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE     | 318              | 183       |
| STA.                |          | TO STA.  |                  |           |
| FED. ROAD DIST. NO. |          | ILLINOIS | FED. AID PROJECT |           |

CONTRACT NO. 62030

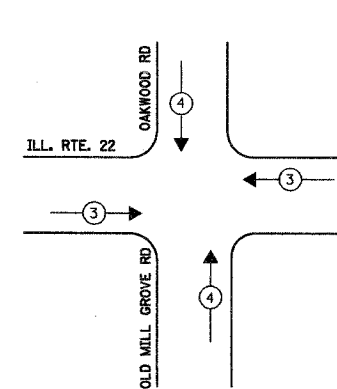
**SCHEDULE OF QUANTITIES**

| QUANTITY | UNIT  | ITEM   |
|----------|-------|--|
| 5        | EACH  | HANDHOLE   |
| 4        | EACH  | HEAVY-DUTY HANDHOLE  |
| 1        | EACH  | DOUBLE HANDHOLE  |
| 1        | EACH  | FULL - ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL            |
| 1        | EACH  | TRANSCEIVER - FIBER OPTIC  |
| 8        | EACH  | TRAFFIC SIGNAL BACKPLATE   |
| 8        | EACH  | INDUCTIVE LOOP DETECTOR  |
| • 1      | EACH  | LIGHT DETECTOR   |
| 2        | EACH  | PEDESTRIAN PUSH-BUTTON   |
| 1        | EACH  | TEMPORARY TRAFFIC SIGNAL INSTALLATION                              |
| • 1      | EACH  | RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT |
| • 1      | EACH  | RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT  |
| 1        | EACH  | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT                           |
| 9        | EACH  | REMOVE EXISTING HANDHOLE   |
| 9        | EACH  | REMOVE EXISTING CONCRETE FOUNDATION                                |
| 2.94     | SQ M  | SIGN PANEL - TYPE 1  |
| 2.78     | SQ M  | SIGN PANEL - TYPE 2  |
| 147.6    | METER | CONDUIT IN TRENCH, 50MM DIA., GALVANIZED STEEL                     |
| 35.2     | METER | CONDUIT IN TRENCH, 65MM DIA., GALVANIZED STEEL                     |
| 6.4      | METER | CONDUIT IN TRENCH, 100MM DIA., GALVANIZED STEEL                    |
| 51.4     | METER | CONDUIT PUSHED, 50MM DIA., GALVANIZED STEEL                        |
| 97.7     | METER | CONDUIT PUSHED, 100MM DIA., GALVANIZED STEEL                       |
| 260.3    | METER | TRENCH AND BACKFILL FOR ELECTRICAL WORK                            |
| 151.3    | METER | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C                        |
| 260.2    | METER | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C                        |
| 272.9    | METER | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C                        |
| 645.0    | METER | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C                        |
| 530.8    | METER | ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR                  |
| 45.8     | METER | ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C                       |
| 4        | EACH  | TRAFFIC SIGNAL POST, GALVANIZED STEEL 4.85 M                       |
| 1        | EACH  | STEEL MAST ARM ASSEMBLY AND POLE 10.36M                            |
| 1        | EACH  | STEEL MAST ARM ASSEMBLY AND POLE 10.97M                            |
| 2        | EACH  | STEEL MAST ARM ASSEMBLY AND POLE 14.63M                            |
| 4.8      | METER | CONCRETE FOUNDATION, TYPE A  |
| 1.2      | METER | CONCRETE FOUNDATION, TYPE D  |
| 8.2      | METER | CONCRETE FOUNDATION, TYPE E 750MM DIAMETER                         |
| 8.0      | METER | CONCRETE FOUNDATION, TYPE E 900MM DIAMETER                         |
| 216.4    | METER | ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6 1C (GREEN)              |
| • 102.9  | METER | ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED            |
| 318.6    | METER | PERFORMED DETECTOR LOOP  |
| 1        | EACH  | SERVICE INSTALLATION, POLE MOUNT                                   |
| 4        | EACH  | SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED           |
| 4        | EACH  | SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, BRACKET MOUNTED            |
| 4        | EACH  | SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED           |
| 2        | EACH  | PEDESTRIAN SIGNAL HEAD, L.E.D. 1-FACE, BRACKET MOUNTED             |

• 100% COST TO VILLAGE OF LAKE ZURICH

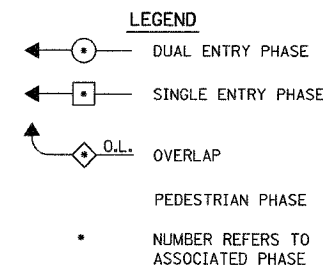


**EMERGENCY VEHICLE PREEMPTION SEQUENCE**



| PROPOSED EMERGENCY VEHICLE PREEMPTORS |   |   |
|---------------------------------------|---|---|
| EMERGENCY VEHICLE PREEMPTOR           | 3 | 4 |
| MOVEMENT                              | ← | ↓ |

**PHASE DESIGNATION DIAGRAM**

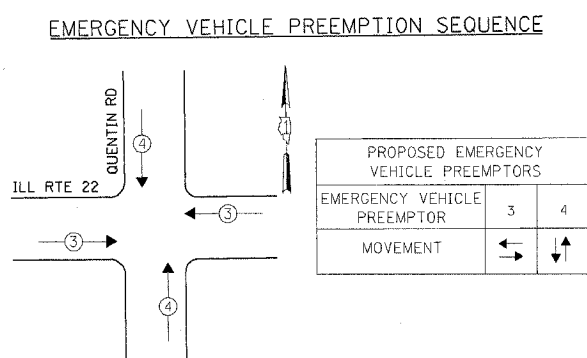
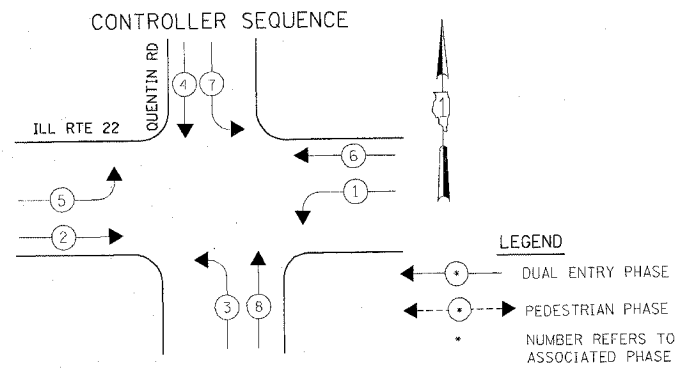


THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 PHASE DESIGNATION DIAGRAM  
 EMERGENCY VEHICLE PREEMPTION SEQUENCE  
 SCHEDULE OF QUANTITIES  
 ILLINOIS ROUTE 22  
 AT OAKWOOD ROAD-OLD MILL GROVE ROAD  
 SCALE: NONE  
 DATE: MARCH 11, 2005  
 DRAWN BY: EAO  
 DESIGNED BY: BC/PKG  
 CHECKED BY: PKG/RMM

|                     |          |                   |              |           |
|---------------------|----------|-------------------|--------------|-----------|
| F.A.P. RTE.         | SECTION  | COUNTY            | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE              | 318          | 184       |
| STA.                | TO STA.  |                   |              |           |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT: |              |           |
| CONTRACT NO. 62030  |          |                   |              |           |

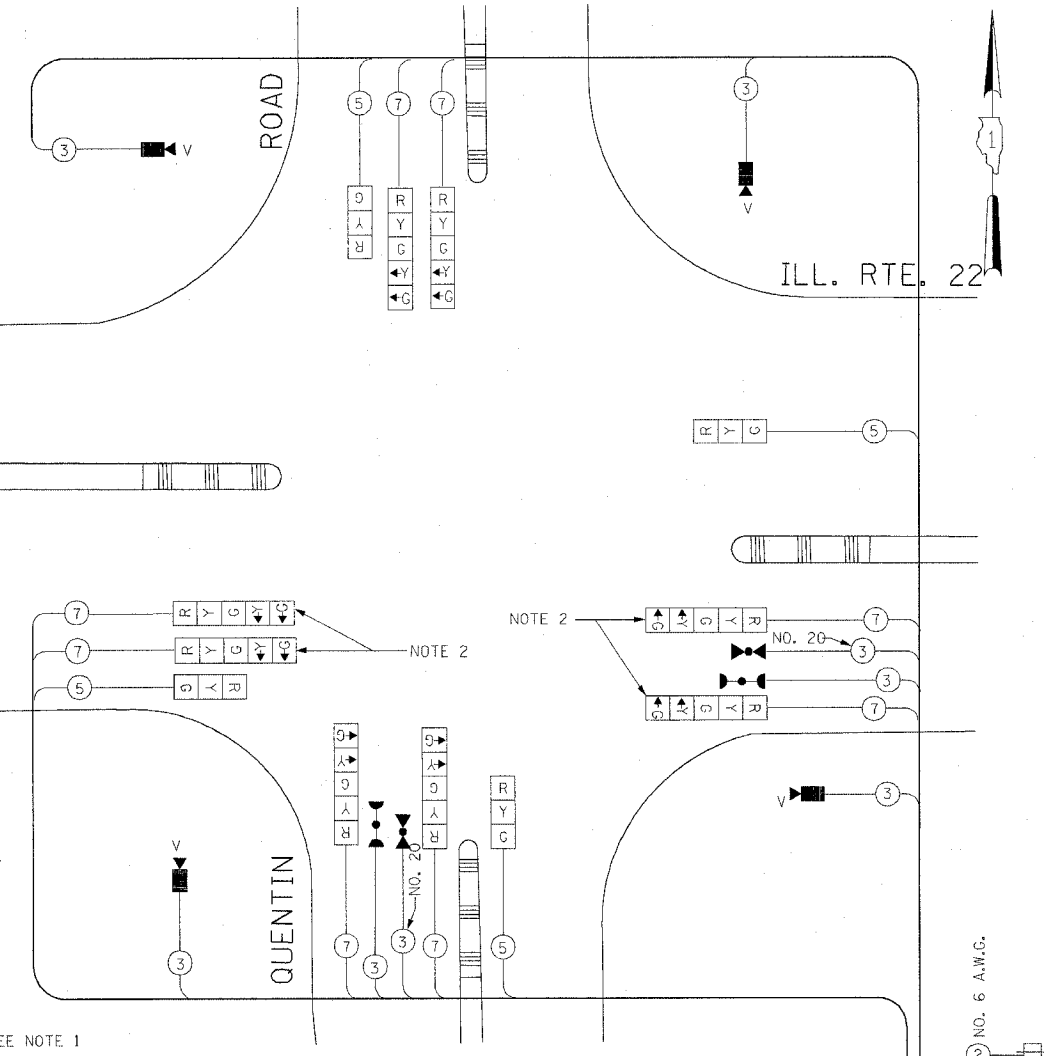
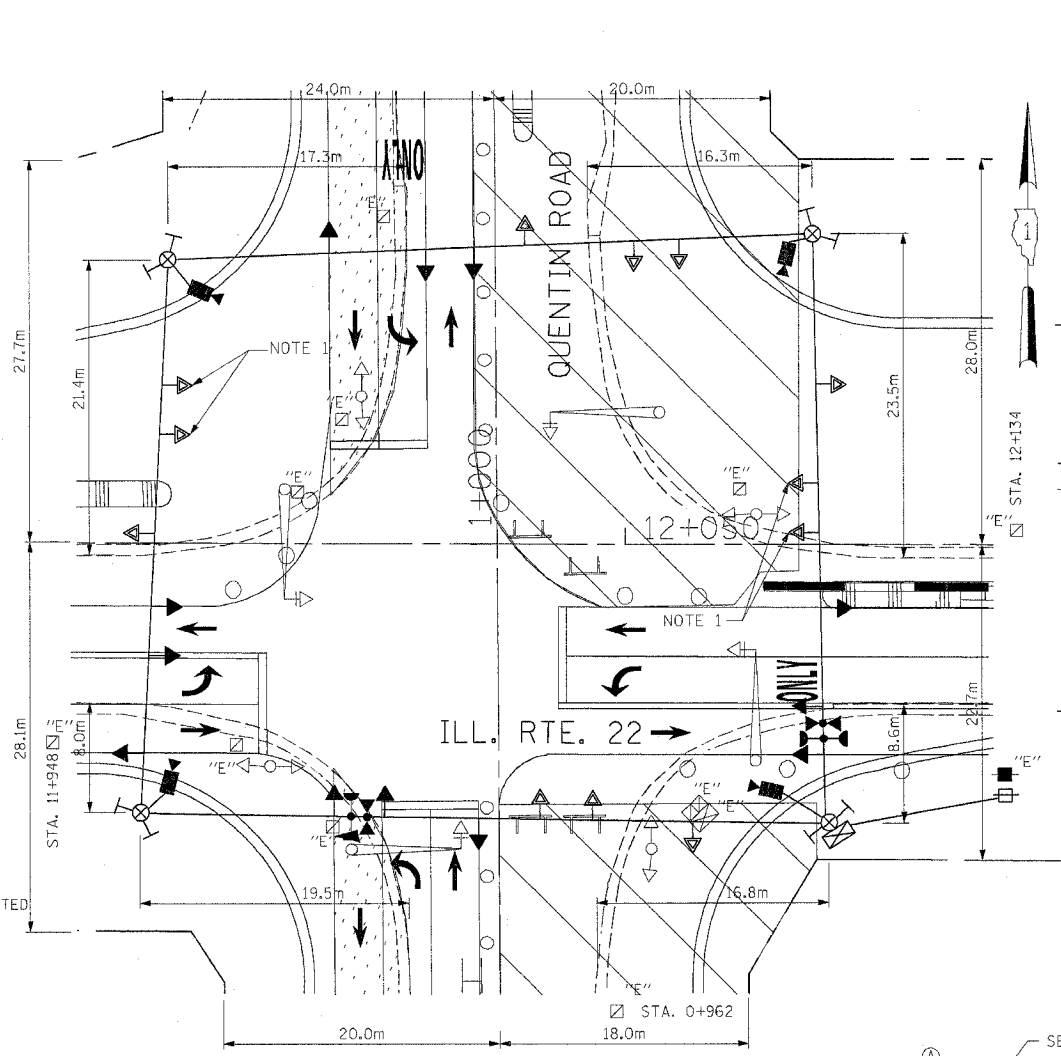


TEMPORARY PHASE DESIGNATION DIAGRAM

NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1. INSTALLED IN A NEMA TS1 OR TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12". HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON. IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.

- THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE STATE AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE STATE'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.
- 1 EACH CONTROLLER AND CABINET, COMPLETE
- THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.
- 3 EACH SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED
  - 1 EACH SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED
  - 3 EACH SIGNAL HEAD, 2-FACE, 3 SECTION, BRACKET MOUNTED
  - 1 EACH SIGNAL HEAD, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
  - 4 EACH TRAFFIC SIGNAL BACKPLATE
  - 3 EACH TRAFFIC SIGNAL POST, 4.25 METER
  - 1 EACH TRAFFIC SIGNAL POST, 4.85 METER
  - 2 EACH ALUMINUM MAST ARM ASSEMBLY AND POLE, 6.09 METER
  - 2 EACH ALUMINUM MAST ARM ASSEMBLY AND POLE, 7.62 METER
  - 1 EACH SERVICE INSTALLATION



| I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS |          |         |     |            | TOTAL WATTAGE   |
|--|----------|---------|-----|------------|-----------------|
| TYPE   | NO LAMPS | WATTAGE |     | %OPERATION |                 |
|  |          | INCAND. | LED |            |                 |
| SIGNAL (RED)   | 12       | 135     | 17  | 0.50       | 810.00          |
| (YELLOW)   | 12       | 135     | 25  | 0.25       | 405.00          |
| (GREEN)  | 12       | 135     | 15  | 0.25       | 405.00          |
| ARROW  | 16       | 135     | 12  | 0.10       | 216.00          |
| PED. SIGNAL  |          | 90      | 25  | 1.00       |                 |
| CONTROLLER   | 1        | 100     | 100 | 1.00       | 100.00          |
| ILLUM. SIGN  |          |         |     | 0.05       |                 |
| FLASHER  |          |         |     | 0.50       |                 |
| ENERGY COSTS TO:   |          |         |     |            | TOTAL = 1936.00 |

ILLINOIS DEPARTMENT OF TRANSPORTATION  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: JOAN COOK  
PHONE: (847) 816-5461  
COMPANY: LIBERTYVILLE OFFICE

TEMPORARY TRAFFIC SIGNAL INSTALLATION  
SCALE IN METERS  
HORIZ. (1:250)

SEE NOTE 1  
LEFT ON GREEN ARROW ONLY  
R10-5  
24" X 30"

FOR TEMPORARY TRAFFIC SIGNAL LEGEND, EXISTING EQUIPMENT TO BE REMOVED LEGEND AND TEMPORARY CABLE DIAGRAM LEGEND PLEASE LOOK AT THE TEMPORARY TRAFFIC SIGNAL INSTALLATION FOR STAGE 3 SHEET.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION FOR CONSTRUCTION STAGES I AND II ILLINOIS ROUTE 22 AT QUENTIN ROAD

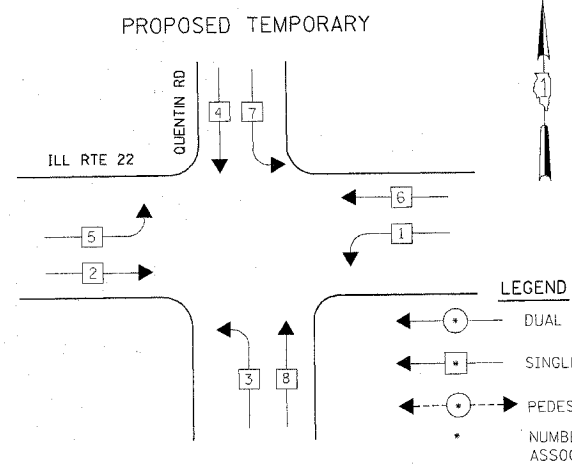
SCALE: AS NOTED  
DATE: MARCH 11, 2005

DRAWN BY: EAO  
DESIGNED BY: BC/PKG  
CHECKED BY: PKG/RMM

- NOTE 1: THE GREEN AND YELLOW LEFT TURN ARROW INDICATIONS ARE TO BE DISCONNECTED AND BAGGED FOR ILLINOIS ROUTE 22 FOR STAGE III CONSTRUCTION.
- NOTE 2: ALL VIDEO DETECTION ZONES ARE TO BE DETERMINED DURING EACH STAGE OF CONSTRUCTION AND ARE INCIDENTAL TO THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.

|                     |          |                   |              |           |
|---------------------|----------|-------------------|--------------|-----------|
| F.A.P. RTE.         | SECTION  | COUNTY            | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE              | 318          | 185       |
| STA.                | TO STA.  |                   |              |           |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT: |              |           |

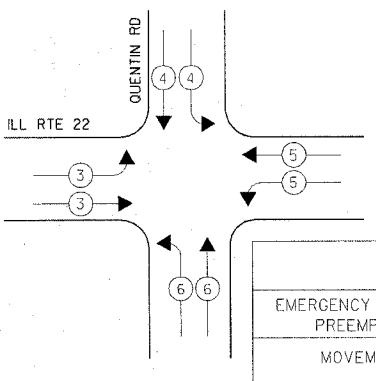
CONTRACT NO. 62030



- LEGEND**
- ◉ DUAL ENTRY PHASE
  - ◻ SINGLE ENTRY PHASE
  - ◉ PEDESTRIAN PHASE
  - NUMBER REFERS TO ASSOCIATED PHASE

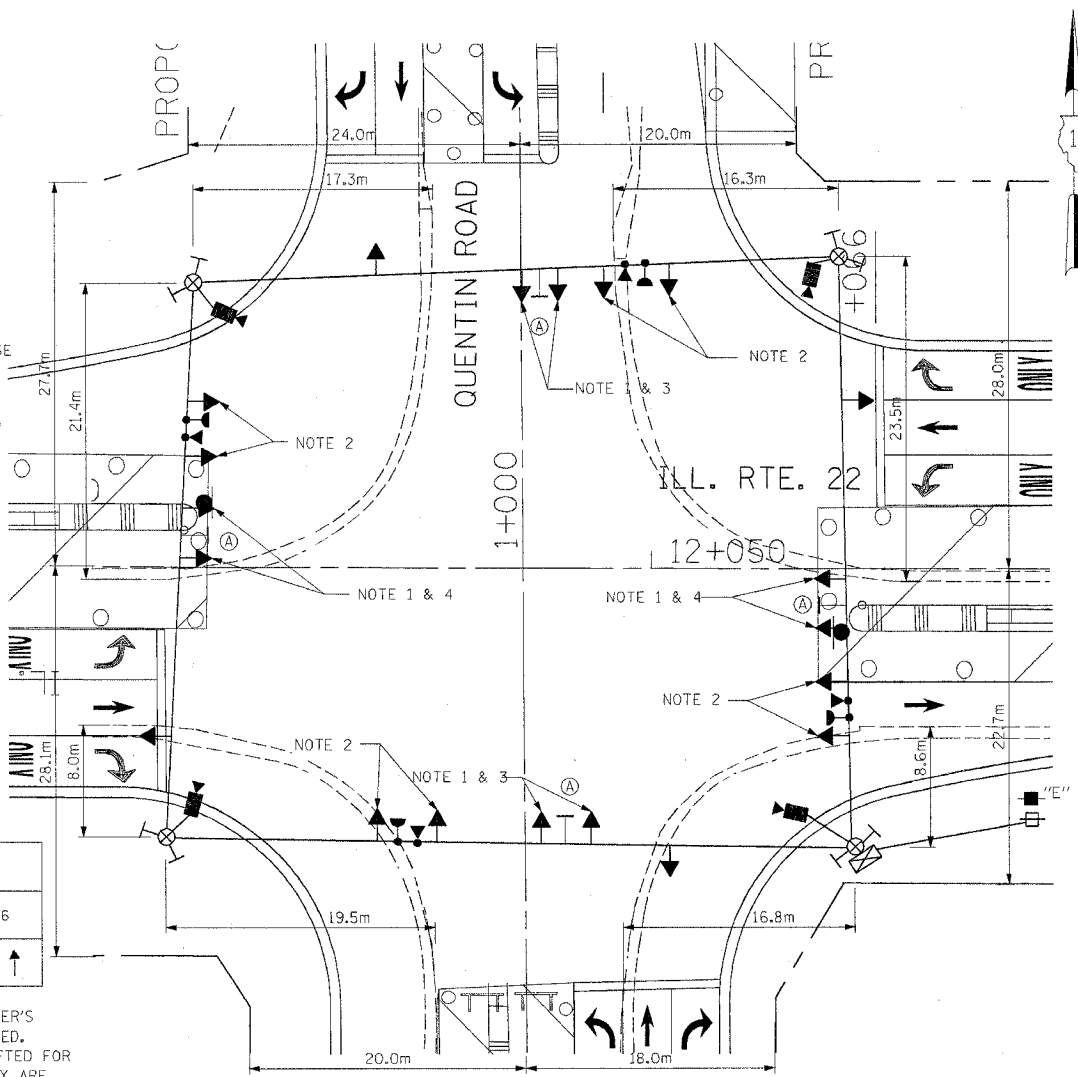
TEMPORARY PHASE DESIGNATION DIAGRAM FOR CONSTRUCTION STAGE III

EMERGENCY VEHICLE PREEMPTION SEQUENCE



| PROPOSED EMERGENCY VEHICLE PREEMPTORS |   |   |   |   |
|---------------------------------------|---|---|---|---|
| EMERGENCY VEHICLE PREEMPTOR           | 3 | 4 | 5 | 6 |
| MOVEMENT                              | → | ↓ | ← | ↑ |

- NOTE 1** THE PROPOSED PROTECTED LEFT TURN SIGNAL HEADS MAY BE, WITH ENGINEER'S APPROVAL, INSTALLED AT THE TIME THE TEMPORARY SIGNAL IS CONSTRUCTED. THESE SIGNAL HEADS WILL NOT BE NEEDED UNTIL TRAFFIC LANES ARE SHIFTED FOR STAGE III CONSTRUCTION. THE SIGNAL HEADS SHALL BE BAGGED UNTIL THEY ARE PLACED IN OPERATION.
- NOTE 2** THE GREEN AND YELLOW LEFT TURN ARROW INDICATIONS SHALL BE BAGGED AND DISCONNECTED PRIOR TO THE CONNECTION AND UNBAGGING OF THE PROTECTED LEFT TURN SIGNAL INDICATIONS FOR ILLINOIS ROUTE 22 AND QUENTIN ROAD FOR STAGE III CONSTRUCTION.
- NOTE 3** AT THE COMPLETION OF STAGE III CONSTRUCTION, AFTER ALL THE PROPOSED ROADWAY GEOMETRICS ARE IN PLACE PRIOR TO NEW PERMANENT SIGNAL BECOMES OPERATIONAL, THE PROTECTED LEFT TURN SIGNAL HEADS FOR QUENTIN ROAD SHALL BE REMOVED AND THE LEFT TURN ARROW INDICATION SECTIONS IN THE 5-SECTION SIGNAL HEADS SHALL BE UNBAGGED AND PLACED BACK IN OPERATION. (FOR QUENTIN ROAD ONLY.)
- NOTE 4** THE PROTECTED LEFT TURN SIGNAL HEADS FOR ILLINOIS ROUTE 22 SHALL REMAIN IN OPERATION AFTER STAGE III CONSTRUCTION WHEN ALL THE PROPOSED ROADWAY GEOMETRICS ARE IN PLACE. PRIOR TO NEW PERMANENT SIGNAL INSTALLATION IS PLACED IN OPERATION.



TEMPORARY TRAFFIC SIGNAL INSTALLATION

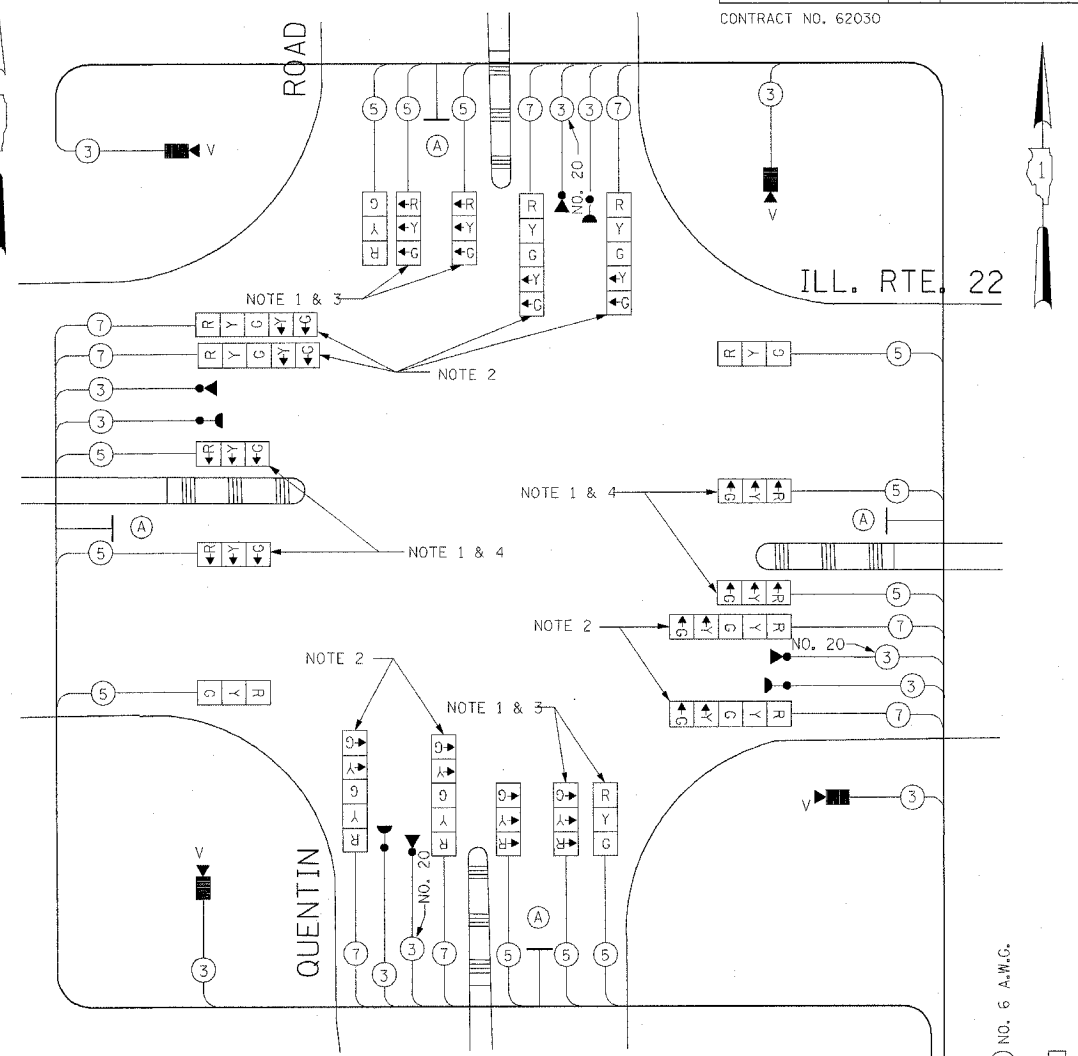
SCALE IN METERS  
HORIZ. (1:250) 5 0 5

**EXISTING EQUIPMENT TO BE REMOVED LEGEND**

- ◁ EXISTING SIGNAL TO BE REMOVED
- "E" EXISTING SERVICE INSTALLATION TO BE REMOVED
- EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
- ⊙ EXISTING MAST ARM POLE AND FOUNDATION TO BE REMOVED
- ⊠ "E" EXISTING CONTROLLER AND FOUNDATION TO BE REMOVED
- ⊠ "E" EXISTING HANDHOLE TO BE REMOVED
- ⊠ "E" EXISTING DOUBLE HANDHOLE TO BE REMOVED
- PEDESTRIAN SIGNAL TO BE REMOVED
- ⊙ EXISTING PEDESTRIAN PUSH-BUTTON TO BE REMOVED
- ⊙ EMERGENCY VEHICLE LIGHT DETECTOR TO BE REMOVED
- ⊙ CONFIRMATION BEACON TO BE REMOVED
- ⊠ "E" EXISTING HEAVY DUTY HANDHOLE TO BE REMOVED
- EXISTING STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED

**TEMPORARY TRAFFIC SIGNAL LEGEND**

- ◁ TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED ORIGINAL LOCATION
- ◁ TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED SECONDARY LOCATION
- ⊗ TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM
- ⊠ TEMPORARY CONTROLLER CABINET
- ⊠ TEMPORARY SERVICE INSTALLATION
- ⊠ TEMPORARY PEDESTRIAN SIGNAL HEAD, BRACKET MOUNTED
- ⊠ VIDEO CAMERA ASSEMBLY
- ⊙ PEDESTRIAN PUSHBUTTON DETECTOR
- ⊙ EMERGENCY VEHICLE LIGHT DETECTOR
- ⊙ CONFIRMATION BEACON
- ⊙ VEHICLE DETECTOR, INDUCTION LOOP
- CT COMMON TRENCH
- UD UNIT DUCT
- ⊠ G.S. CONDUIT IN GROUND
- ⊠ HANDHOLE
- ⊠ HEAVY DUTY HANDHOLE

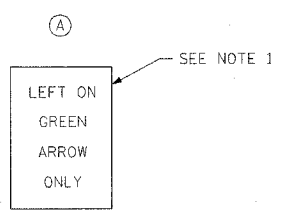


TEMPORARY CABLE PLAN

NOT TO SCALE

**TEMPORARY CABLE DIAGRAM LEGEND**

- ⊠ TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300mm)
- ⊠ TEMPORARY CONTROLLER CABINET
- ⊠ TEMPORARY SERVICE INSTALLATION
- ⊙ INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED.
- ⊙ EMERGENCY VEHICLE LIGHT DETECTOR
- ⊙ CONFIRMATION BEACON
- ⊙ VEHICLE DETECTOR, INDUCTION LOOP
- ⊙ PEDESTRIAN PUSHBUTTON DETECTOR
- ⊙ 12" (300mm) PEDESTRIAN SIGNAL SECTION
- ⊠ VIDEO CAMERA ASSEMBLY



R10-5  
24" X 30"

| I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS                              |          |         |     |            |               |
|---|----------|---------|-----|------------|---------------|
| TYPE  | NO LAMPS | WATTAGE |     | %OPERATION | TOTAL WATTAGE |
|   |          | INCAND. | LED |            |               |
| SIGNAL (RED)  | 20       | 135     | 17  | 0.50       | 1350.00       |
| (YELLOW)  | 20       | 135     | 25  | 0.25       | 675.00        |
| ARROW (GREEN)   | 20       | 135     | 15  | 0.25       | 675.00        |
| ARROW   |          | 135     | 12  | 1.00       |               |
| PED. SIGNAL   |          | 90      | 25  | 1.00       |               |
| CONTROLLER  | 1        | 100     | 100 | 1.00       | 100.00        |
| ILLUM. SIGN   |          |         |     | 0.05       |               |
| FLASHER   |          |         |     | 0.50       |               |
| ENERGY COSTS TO:  |          |         |     |            | TOTAL =       |
| ILLINOIS DEPARTMENT OF TRANSPORTATION<br>201 WEST CENTER COURT<br>SCHALMBURG, ILLINOIS 60196-1096 |          |         |     |            | 28000.00      |
| ENERGY SUPPLY CONTACT: JOAN COOK  |          |         |     |            |               |
| PHONE: (847) 816-5461   |          |         |     |            |               |
| COMPANY: LIBERTYVILLE OFFICE  |          |         |     |            |               |

| REVISIONS |      |
|-----------|------|
| NAME      | DATE |
|           |      |
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ILLINOIS DEPARTMENT OF TRANSPORTATION

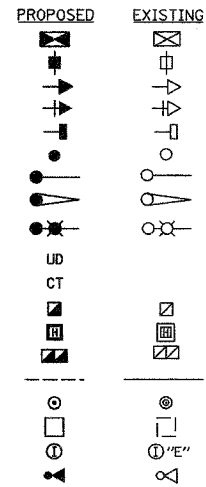
**TEMPORARY TRAFFIC SIGNAL INSTALLATION FOR CONSTRUCTION STAGE III ILLINOIS ROUTE 22 AT QUENTIN ROAD**

SCALE: AS NOTED  
DATE: MARCH 11, 2005

DRAWN BY: EAO  
DESIGNED BY: BC/PKG  
CHECKED BY: PKG/RMM

**TRAFFIC SIGNAL LEGEND**

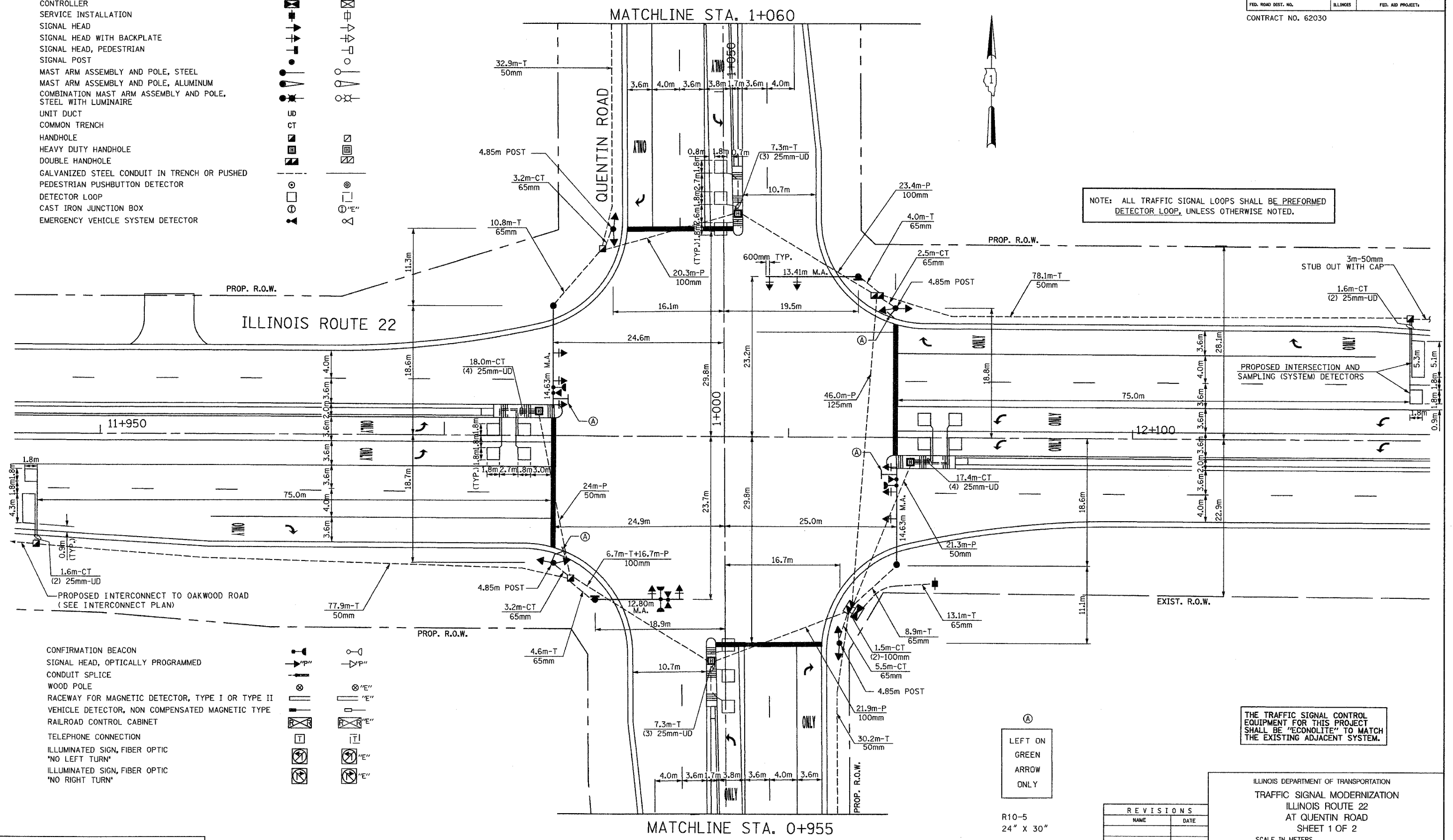
- CONTROLLER
- SERVICE INSTALLATION
- SIGNAL HEAD
- SIGNAL HEAD WITH BACKPLATE
- SIGNAL HEAD, PEDESTRIAN
- SIGNAL POST
- MAST ARM ASSEMBLY AND POLE, STEEL
- MAST ARM ASSEMBLY AND POLE, ALUMINUM
- COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE
- UNIT DUCT
- COMMON TRENCH
- HANDHOLE
- HEAVY DUTY HANDHOLE
- DOUBLE HANDHOLE
- GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED
- PEDESTRIAN PUSHBUTTON DETECTOR
- DETECTOR LOOP
- CAST IRON JUNCTION BOX
- EMERGENCY VEHICLE SYSTEM DETECTOR



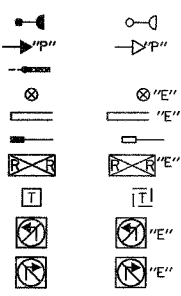
|                     |          |                  |              |           |
|---------------------|----------|------------------|--------------|-----------|
| F.A.P. RTE.         | SECTION  | COUNTY           | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE             | 318          | 186       |
| STA.                | TO STA.  |                  |              |           |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT |              |           |

CONTRACT NO. 62030

NOTE: ALL TRAFFIC SIGNAL LOOPS SHALL BE PREFORMED DETECTOR LOOP, UNLESS OTHERWISE NOTED.



- CONFIRMATION BEACON
- SIGNAL HEAD, OPTICALLY PROGRAMMED
- CONDUIT SPLICE
- WOOD POLE
- RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II
- VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE
- RAILROAD CONTROL CABINET
- TELEPHONE CONNECTION
- ILLUMINATED SIGN, FIBER OPTIC 'NO LEFT TURN'
- ILLUMINATED SIGN, FIBER OPTIC 'NO RIGHT TURN'



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

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 TRAFFIC SIGNAL MODERNIZATION  
 ILLINOIS ROUTE 22  
 AT QUENTIN ROAD  
 SHEET 1 OF 2

SCALE IN METERS  
 HORIZ. (1:250) 0 5 10

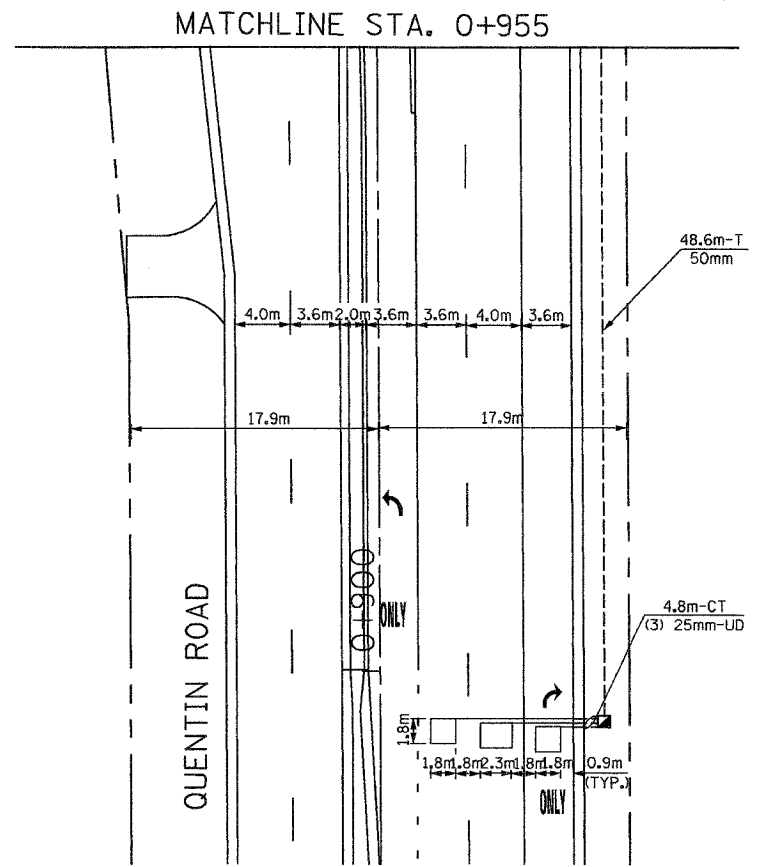
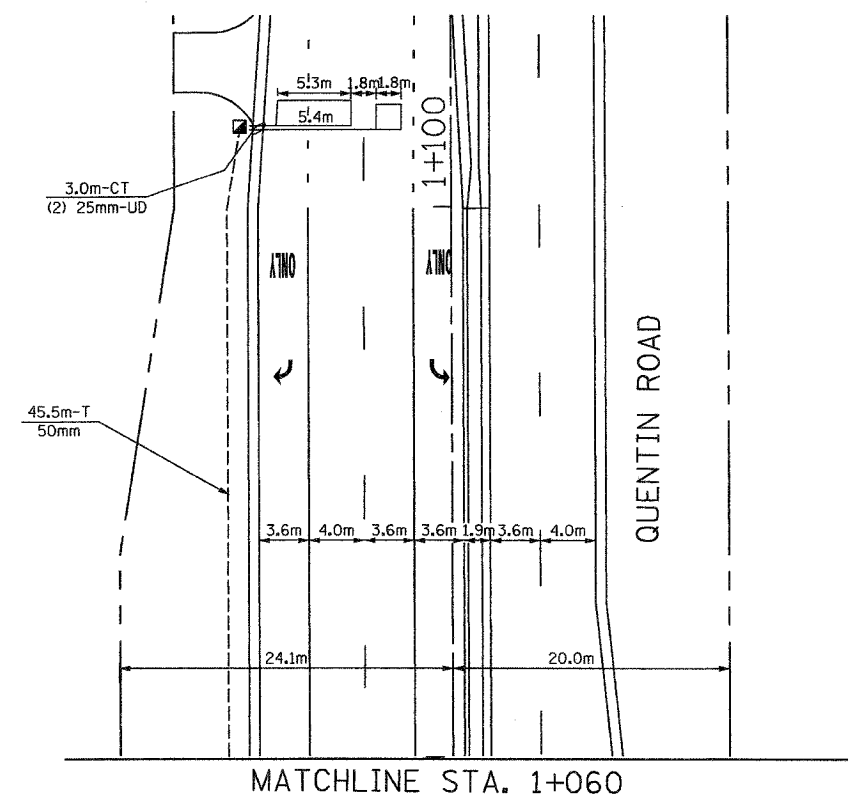
DATE: MARCH 11, 2005

DRAWN BY: EAO  
 DESIGNED BY: BC/PKG  
 CHECKED BY: PKG/RMM

**GANDHI AND ASSOCIATES, INC.**  
 ENGINEERS AND PLANNERS  
 6035 N. NORTHWEST HIGHWAY  
 SUITE 306  
 CHICAGO, ILLINOIS 60631 TEL: (773) 774-5900

|                     |          |                  |              |           |
|---------------------|----------|------------------|--------------|-----------|
| F.A.P. RTE.         | SECTION  | COUNTY           | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE             | 3/8          | 187       |
| STA.                | TO STA.  |                  |              |           |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT |              |           |

CONTRACT NO. 62030



**TRAFFIC SIGNAL LEGEND**

|  | PROPOSED | EXISTING |
|--|----------|----------|
| CONTROLLER   |          |          |
| SERVICE INSTALLATION   |          |          |
| SIGNAL HEAD  |          |          |
| SIGNAL HEAD WITH BACKPLATE                                   |          |          |
| SIGNAL HEAD, PEDESTRIAN                                      |          |          |
| SIGNAL POST  |          |          |
| MAST ARM ASSEMBLY AND POLE, STEEL                            |          |          |
| MAST ARM ASSEMBLY AND POLE, ALUMINUM                         |          |          |
| COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE |          |          |
| UNIT DUCT  |          |          |
| COMMON TRENCH  |          |          |
| HANDHOLE   |          |          |
| HEAVY DUTY HANDHOLE  |          |          |
| DOUBLE HANDHOLE  |          |          |
| GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED                 |          |          |
| PEDESTRIAN PUSHBUTTON DETECTOR                               |          |          |
| DETECTOR LOOP  |          |          |
| CAST IRON JUNCTION BOX                                       |          |          |
| EMERGENCY VEHICLE SYSTEM DETECTOR                            |          |          |
| CONFIRMATION BEACON  |          |          |
| SIGNAL HEAD, OPTICALLY PROGRAMMED                            |          |          |
| CONDUIT SPLICE   |          |          |
| WOOD POLE  |          |          |
| RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II             |          |          |
| VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE              |          |          |
| RAILROAD CONTROL CABINET                                     |          |          |
| TELEPHONE CONNECTION   |          |          |
| ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"                 |          |          |
| ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"                |          |          |

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

**GA** GANDHI AND ASSOCIATES, INC.  
ENGINEERS AND PLANNERS  
6035 N. NORTHWEST HIGHWAY  
SUITE 306  
CHICAGO, ILLINOIS 60631 TEL. (773) 774-5980

| REVISIONS |      |
|-----------|------|
| NAME      | DATE |
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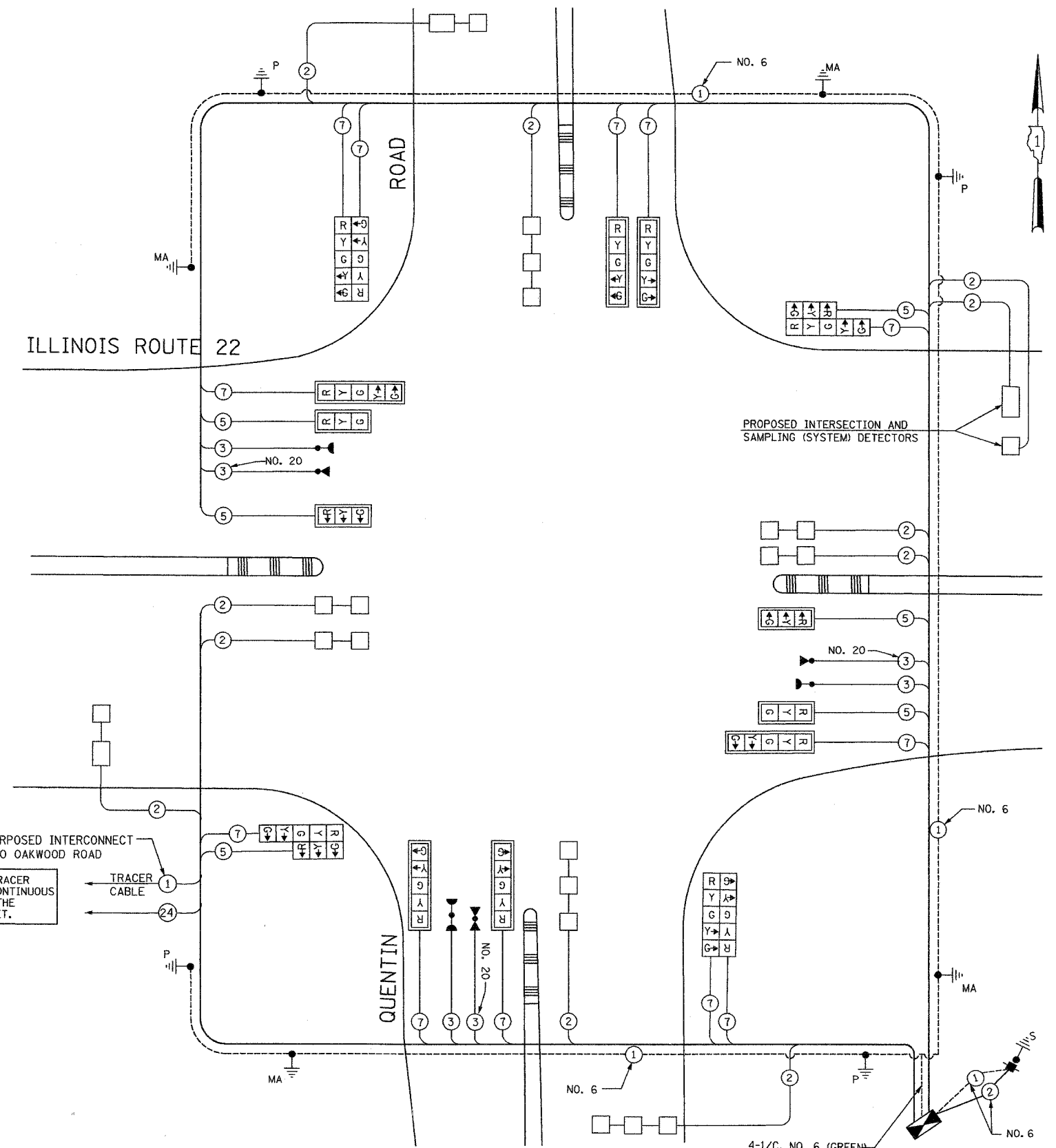
ILLINOIS DEPARTMENT OF TRANSPORTATION  
TRAFFIC SIGNAL MODERNIZATION  
ILLINOIS ROUTE 22  
AT QUENTIN ROAD  
SHEET 2 OF 2  
SCALE IN METERS  
HORIZ. (1:250) 0 5 5  
DATE: MARCH 11, 2005  
DRAWN BY: EAO  
DESIGNED BY: BC/PKG  
CHECKED BY: PKG/RMM

|                     |          |          |                  |           |
|---------------------|----------|----------|------------------|-----------|
| F.A.P. RTE.         | SECTION  | COUNTY   | TOTAL SHEETS     | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE     | 318              | 188       |
| STA.                |          | TO STA.  |                  |           |
| FED. ROAD DIST. NO. |          | ILLINOIS | FED. AID PROJECT |           |

CONTRACT NO. 62030

**CABLE PLAN LEGEND**

- |                 |                 |   |
|-----------------|-----------------|---|
| <b>EXISTING</b> | <b>PROPOSED</b> |   |
|                 |                 | 8" (200mm) TRAFFIC SIGNAL SECTION   |
|                 |                 | 12" (300mm) TRAFFIC SIGNAL SECTION  |
|                 |                 | 12" (300mm) PEDESTRIAN SIGNAL SECTION   |
|                 |                 | 12" (300mm) PEDESTRIAN SIGNAL SECTION   |
|                 |                 | CONTROLLER CABINET  |
|                 |                 | SERVICE INSTALLATION  |
|                 |                 | TELEPHONE INSTALLATION  |
|                 |                 | VEHICLE DETECTOR, INDUCTION LOOP  |
|                 |                 | MAGNETIC DETECTOR   |
|                 |                 | EMERGENCY VEHICLE LIGHT DETECTOR  |
|                 |                 | CONFIRMATION BEACON   |
|                 |                 | PUSH-BUTTON DETECTOR  |
|                 |                 | 2 DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED. |
|                 |                 | 1 GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)  |
|                 |                 | 24 FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F & SM12F  |
|                 |                 | SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.  |
|                 |                 | RAILROAD CONTROL CABINET  |
|                 |                 | ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"  |
|                 |                 | ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"   |
|                 |                 | H/C GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C)  |
|                 |                 | P GROUND ROD AT POST (P) OR MAST ARM POLE (MA)  |
|                 |                 | S GROUND ROD AT ELECTRIC SERVICE INSTALLATION   |



THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

| I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS                             |          |         |            |      | TOTAL WATTAGE |
|--|----------|---------|------------|------|---------------|
| TYPE   | NO LAMPS | WATTAGE | %OPERATION |      |               |
|  |          | INCAND. | LED        |      |               |
| SIGNAL (RED)   | 18       | 135     | 17         | 0.50 | 153.0         |
| (YELLOW)   | 18       | 135     | 25         | 0.25 | 112.5         |
| (GREEN)  | 18       | 135     | 15         | 0.25 | 67.5          |
| ARROW  | 24       | 135     | 12         | 0.10 | 28.8          |
| PED. SIGNAL  |          | 90      | 25         | 1.00 |               |
| CONTROLLER   | 1        | 100     | 100        | 1.00 | 100.0         |
| ILLUM. SIGN  |          |         |            | 0.05 |               |
| FLASHER  |          |         |            | 0.50 |               |
| ENERGY COSTS TO:   |          |         |            |      | TOTAL = 461.8 |
| ILLINOIS DEPARTMENT OF TRANSPORTATION<br>201 WEST CENTER COURT<br>SCHAMBURG, ILLINOIS 60196-1096 |          |         |            |      |               |
| ENERGY SUPPLY CONTACT: JOAN COOK   |          |         |            |      |               |
| PHONE: (847) 816-5461  |          |         |            |      |               |
| COMPANY: LIBERTYVILLE OFFICE   |          |         |            |      |               |

| FOUNDATION (DEPTH) | FT. (m)  | CABLE SLACK      | FT. (m)   | VERTICAL          | FT. (m)    |
|--------------------|----------|------------------|-----------|-------------------|------------|
| TYPE A-POST        | 4 (1.2)  | HANDHOLE         | 6.5 (2.0) | ALL FOUNDATIONS   | 3.5 (1.0)  |
| D-CONTROLLER       | 4 (1.2)  | DOUBLE HANDHOLE  | 13 (4.0)  | MAST ARM (L) POLE | 20'-H-2"   |
| E-M.ARM POLE       |          | SIGNAL POST      | 2 (1.0)   | (6mH-0.6m)=       |            |
| 24" (600mm)        | 10 (3.0) | CONTROLLER CAB.  | 1 (0.5)   | BRACKET MOUNTED   | 13 (4.0)   |
| 30" (750mm)        | 15 (4.6) | FIBER OPTIC      | 13 (4.0)  | PED. PUSHBUTTON   | 4 (1.2)    |
|                    |          | ELECTRIC SERVICE | 1 (0.5)   | ELECTRIC SERVICE  | 13.5 (4.1) |
|                    |          | GROUND CABLE     | 1 (0.5)   | SERVICE TO GROUND | 13.5 (4.1) |
|                    |          |                  |           | POST MOUNTED      | 6 (1.8)    |

**CABLE PLAN**  
NOT TO SCALE

**GO** GANDHI AND ASSOCIATES, INC.  
ENGINEERS AND PLANNERS  
6035 N. NORTHWEST HIGHWAY  
SUITE 306  
CHICAGO, ILLINOIS 60631 TEL. (773) 774-5990

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

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CABLE PLAN**  
ILLINOIS ROUTE 22  
AT QUENTIN ROAD  
SCALE: NONE  
DATE: MARCH 11, 2005  
DRAWN BY: JK  
DESIGNED BY: BB  
CHECKED BY: PKG



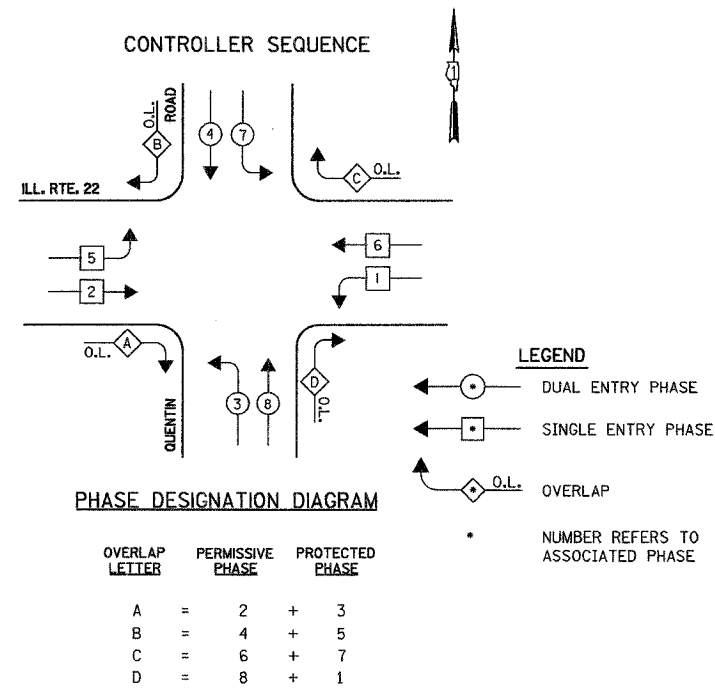
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|---------------------|----------|------------------|--------------|----------|
| F.A.P. RTE.         | SECTION  | COUNTY           | TOTAL SHEETS | SHEET NO |
| 337                 | 20 WRS-6 | LAKE             | 3/8          | 181      |
| STA.                |          | TO STA.          |              |          |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT |              |          |

CONTRACT NO. 62030

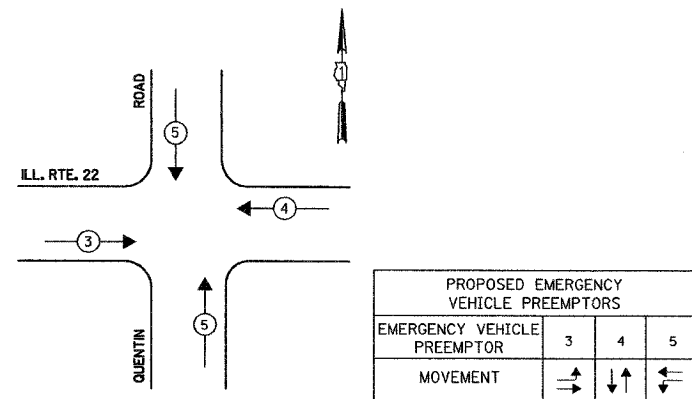
**SCHEDULE OF QUANTITIES**

| QUANTITY | UNIT  | ITEM  |
|----------|-------|---|
| 6        | EACH  | HANDHOLE  |
| 4        | EACH  | HEAVY-DUTY HANDHOLE   |
| 2        | EACH  | DOUBLE HANDHOLE   |
| 1        | EACH  | FULL - ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL               |
| 1        | EACH  | TRANSCEIVER - FIBER OPTIC   |
| 10       | EACH  | TRAFFIC SIGNAL BACKPLATE  |
| 11       | EACH  | INDUCTIVE LOOP DETECTOR   |
| * 1      | EACH  | LIGHT DETECTOR  |
| 1        | EACH  | TEMPORARY TRAFFIC SIGNAL INSTALLATION                                 |
| * 2      | EACH  | RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT    |
| * 1      | EACH  | RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT     |
| 1        | EACH  | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT                              |
| 10       | EACH  | REMOVE EXISTING HANDHOLE  |
| 7        | EACH  | REMOVE EXISTING CONCRETE FOUNDATION                                   |
| 4.29     | SO M. | SIGN PANEL - TYPE 1   |
| 302.4    | METER | CONDUIT IN TRENCH, 50MM DIA., GALVANIZED STEEL                        |
| 66.4     | METER | CONDUIT IN TRENCH, 65MM DIA., GALVANIZED STEEL                        |
| 9.7      | METER | CONDUIT IN TRENCH, 100MM DIA., GALVANIZED STEEL                       |
| 45.3     | METER | CONDUIT PUSHED, 50MM DIA., GALVANIZED STEEL                           |
| 82.7     | METER | CONDUIT PUSHED, 100MM DIA., GALVANIZED STEEL                          |
| 46.0     | METER | CONDUIT PUSHED, 125MM DIA., GALVANIZED STEEL                          |
| 376.6    | METER | TRENCH AND BACKFILL FOR ELECTRICAL WORK                               |
| 252.0    | METER | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C                           |
| 465.7    | METER | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C                           |
| 878.3    | METER | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C                           |
| 1021.8   | METER | ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR                     |
| 41.6     | METER | ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C                          |
| 4        | EACH  | TRAFFIC SIGNAL POST, GALVANIZED STEEL 4.85 M                          |
| 1        | EACH  | STEEL MAST ARM ASSEMBLY AND POLE 12.80M                               |
| 1        | EACH  | STEEL MAST ARM ASSEMBLY AND POLE 13.41M                               |
| 2        | EACH  | STEEL MAST ARM ASSEMBLY AND POLE 14.63M                               |
| 4.8      | METER | CONCRETE FOUNDATION, TYPE A   |
| 1.2      | METER | CONCRETE FOUNDATION, TYPE D   |
| 8.2      | METER | CONCRETE FOUNDATION, TYPE E 750MM DIAMETER                            |
| 9.2      | METER | CONCRETE FOUNDATION, TYPE E 900MM DIAMETER                            |
| 233.2    | METER | ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6 1C (GREEN)                 |
| * 252.0  | METER | ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED               |
| 244.8    | METER | PREFORMED DETECTOR LOOP   |
| 1        | EACH  | SERVICE INSTALLATION, POLE MOUNT                                      |
| 4        | EACH  | SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED              |
| 6        | EACH  | SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED              |
| 2        | EACH  | SIGNAL HEAD, L.E.D., 2-FACE, 5-SECTION, BRACKET MOUNTED               |
| 2        | EACH  | SIGNAL HEAD, L.E.D., 2-FACE, 1-3-SECTION, 1-5 SECTION BRACKET MOUNTED |

\* 100% COST TO VILLAGE OF LAKE ZURICH



**EMERGENCY VEHICLE PREEMPTION SEQUENCE**



THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

**GA** GANDHI AND ASSOCIATES, INC.  
ENGINEERS AND PLANNERS  
6035 N. NORTHWEST HIGHWAY  
SUITE 306  
CHICAGO, ILLINOIS 60631 TEL. (773) 774-5980

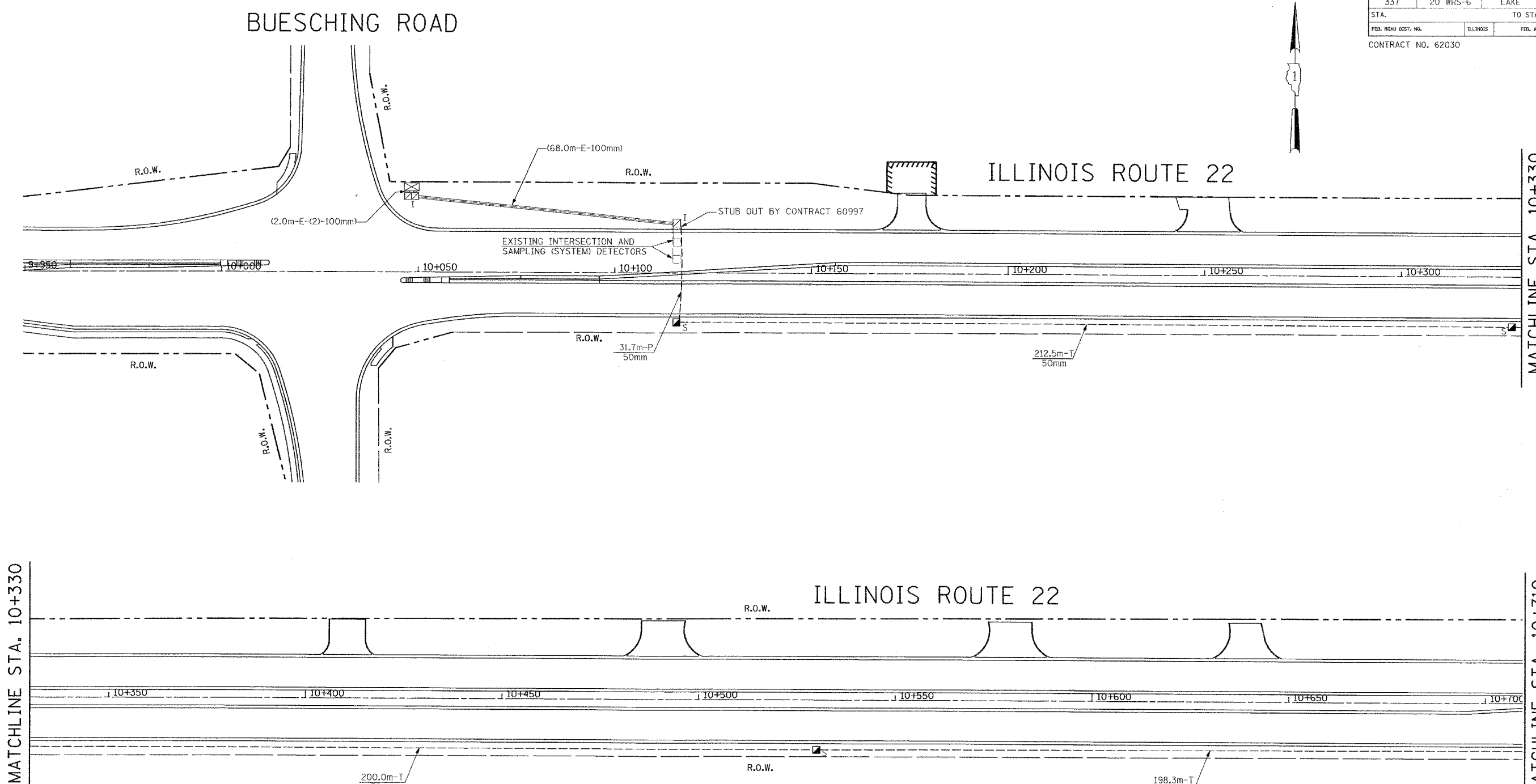
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| NAME      | DATE |
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
PHASE DESIGNATION DIAGRAM  
EMERGENCY VEHICLE PREEMPTION SEQUENCE  
SCHEDULE OF QUANTITIES  
ILLINOIS ROUTE 22  
AT QUENTIN ROAD

SCALE: NONE  
DATE: MARCH 11, 2005  
DRAWN BY: EAO  
DESIGNED BY: BC/PKG  
CHECKED BY: PKG/RMM

|                     |          |          |                   |           |
|---------------------|----------|----------|-------------------|-----------|
| F.A.P. RTE.         | SECTION  | COUNTY   | TOTAL SHEETS      | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE     | 318               | 190       |
| STA.                |          | TO STA.  |                   |           |
| FED. ROAD DIST. NO. |          | ILLINOIS | FED. AID PROJECTS |           |

CONTRACT NO. 62030



**INTERCONNECT PLAN LEGEND**

|  | PROPOSED | EXISTING |
|--|----------|----------|
| CONTROLLER                                   |          |          |
| HANDHOLE                                     |          |          |
| HEAVY DUTY HANDHOLE                          |          |          |
| DOUBLE HANDHOLE                              |          |          |
| GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED |          |          |
| DETECTOR LOOP                                |          |          |
| COMMON TRENCH                                |          |          |
| UNIT DUCT                                    |          |          |
| SYSTEM                                       |          |          |
| INTERSECTION                                 |          |          |
| TELEPHONE CONNECTION                         |          |          |
| SERVICE INSTALLATION                         |          |          |

**SCHEDULE OF INTERCONNECT QUANTITIES**

| QUANTITY | UNIT  | ITEM  |
|----------|-------|---|
| 1496.6   | METER | CONDUIT IN TRENCH, 50MM DIA., GALVANIZED STEEL            |
| 170.3    | METER | CONDUIT PUSHED, 50MM DIA., GALVANIZED STEEL               |
| 9        | EACH  | HANDHOLE  |
| 1        | EACH  | MODIFY EXISTING CONTROLLER                                |
| 2142.0   | METER | ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1C               |
| 2158.0   | METER | FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F & SM12F |
| 1496.6   | METER | TRENCH AND BACKFILL FOR ELECTRICAL WORK                   |
| 1        | EACH  | MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION       |
| 1        | L SUM | RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM                         |

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

THE PAY ITEMS FOR " MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION" AND "MODIFY EXISTING CONTROLLER" ARE FOR THE INTERSECTION OF BUESCHING ROAD, AND MIGHT NOT BE USED IF THE CONTRACT CONTAINING BEUSCHING ROAD INTERSECTION SIGNAL IS UNDER CONSTRUCTION SIMULTANEOUSLY WITH THIS CONTRACT (#62030)

MASTER CONTROLLER LOCATION AND TELEPHONE FOR THIS "SYSTEM" IS LOCATED AT US RTE 12 AT ILL RTE 22.

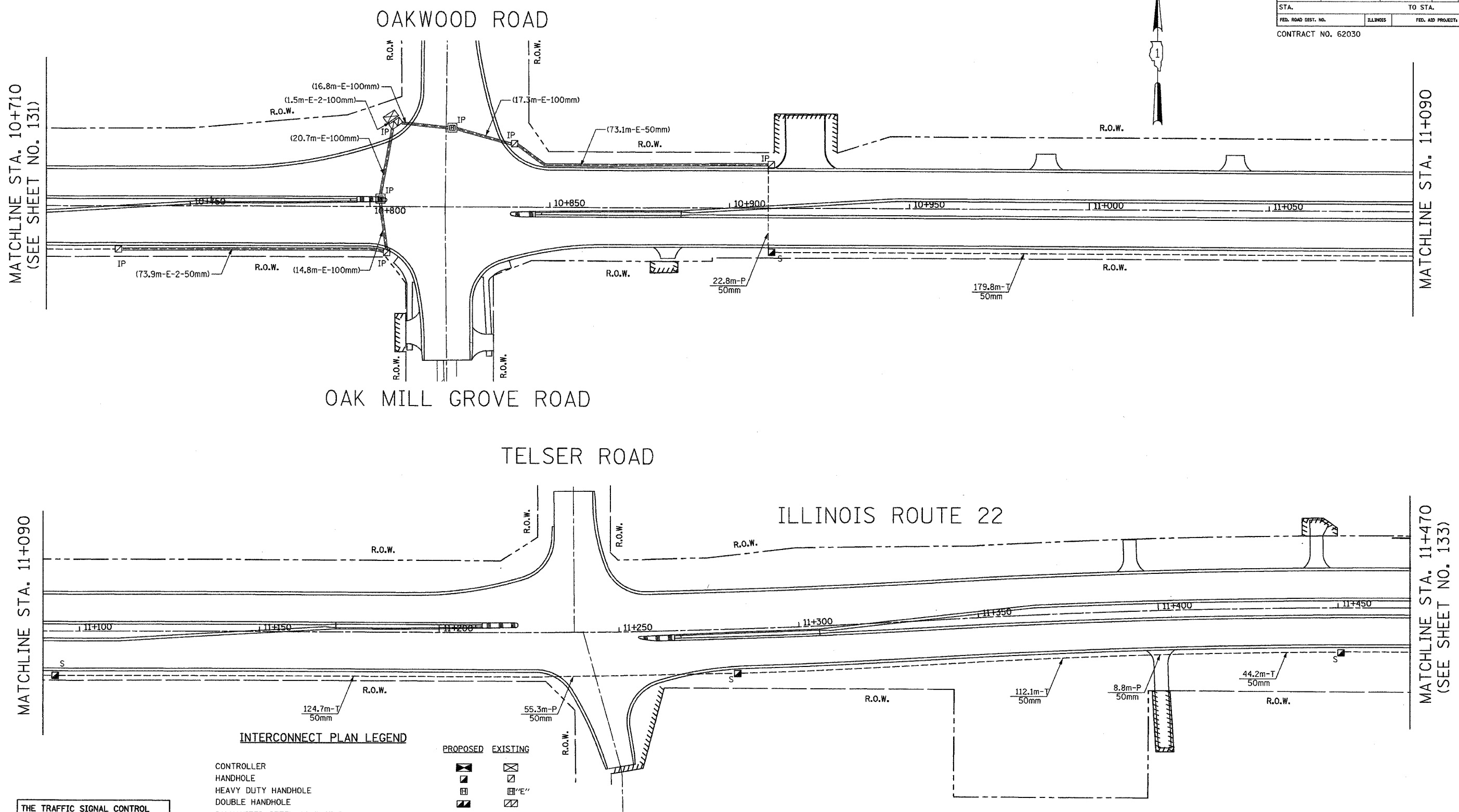
**GO** GANDHI AND ASSOCIATES, INC.  
ENGINEERS AND PLANNERS  
6035 N. NORTHWEST HIGHWAY  
SUITE 306  
CHICAGO, ILLINOIS 60631 TEL. (773) 774-5990

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

ILLINOIS DEPARTMENT OF TRANSPORTATION  
INTERCONNECT PLAN  
ILLINOIS ROUTE 22  
BUESCHING ROAD TO QUENTIN ROAD  
(SHEET 1 OF 3)  
SCALE IN METERS  
HORIZ. (1:500)   
DATE: MARCH 11, 2005  
DRAWN BY: EAO  
DESIGNED BY: BC/PKC  
CHECKED BY: PKG/RMM

|                     |          |                   |              |           |
|---------------------|----------|-------------------|--------------|-----------|
| F.A.P. RTE.         | SECTION  | COUNTY            | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE              | 3/8          | 191       |
| STA.                | TO STA.  |                   |              |           |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECTS |              |           |

CONTRACT NO. 62030



**INTERCONNECT PLAN LEGEND**

- CONTROLLER
- HANDHOLE
- HEAVY DUTY HANDHOLE
- DOUBLE HANDHOLE
- GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED
- DETECTOR LOOP
- COMMON TRENCH
- UNIT DUCT
- SYSTEM
- INTERSECTION
- TELEPHONE CONNECTION
- SERVICE INSTALLATION

| PROPOSED | EXISTING |
|----------|----------|
|          |          |
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THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

MASTER CONTROLLER LOCATION AND TELEPHONE FOR THIS "SYSTEM" IS LOCATED AT US RTE 12 AT ILL RTE 22.

| REVISIONS |      |
|-----------|------|
| NAME      | DATE |
|           |      |
|           |      |
|           |      |
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
 INTERCONNECT PLAN  
 ILLINOIS ROUTE 22  
 BUESCHING ROAD TO QUENTIN ROAD  
 (SHEET 2 OF 3)

SCALE IN METERS  
 HORIZ. 1:500

DATE: MARCH 11, 2005

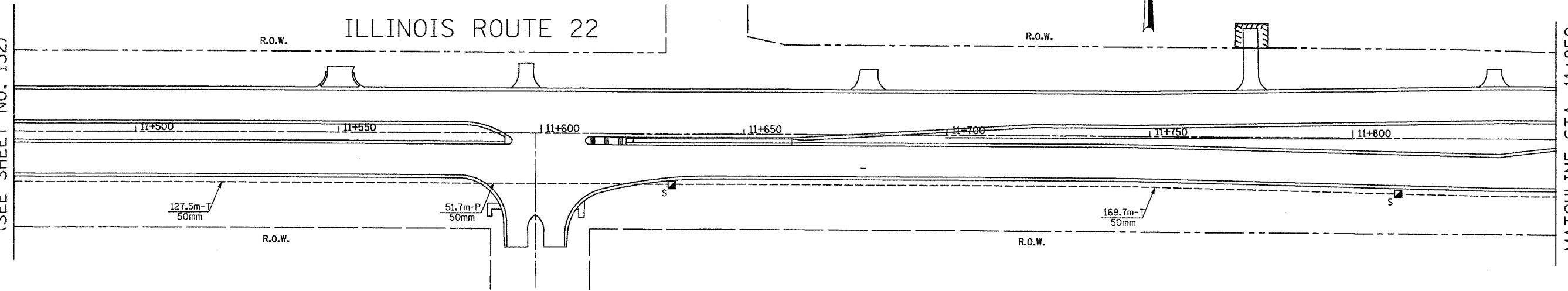
DRAWN BY: EAO  
 DESIGNED BY: BC/PKG  
 CHECKED BY: PKG/RMM

|                     |          |                  |              |           |
|---------------------|----------|------------------|--------------|-----------|
| F.A.P. RTE.         | SECTION  | COUNTY           | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE             | 3/8          | 1/2       |
| STA.                | TO STA.  |                  |              |           |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT |              |           |

CONTRACT NO. 62030

MATCHLINE STA. 11+470  
(SEE SHEET NO. 132)

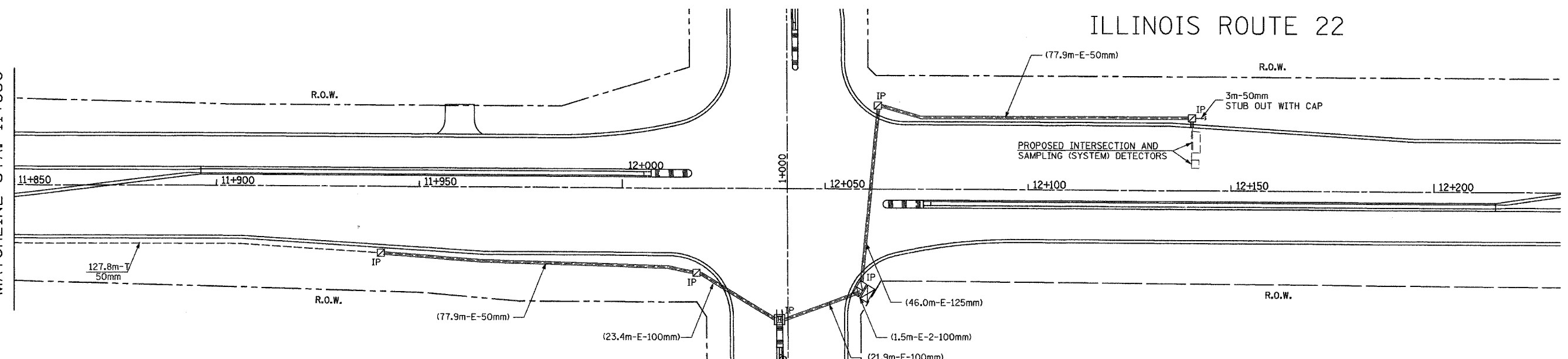
MATCHLINE STA. 11+850



QUENTIN ROAD

ILLINOIS ROUTE 22

MATCHLINE STA. 11+850



INTERCONNECT PLAN LEGEND

|  |          |          |
|--|----------|----------|
| CONTROLLER                                   | PROPOSED | EXISTING |
| HANDHOLE                                     | ☒        | ☒        |
| HEAVY DUTY HANDHOLE                          | ☒        | ☒        |
| DOUBLE HANDHOLE                              | ☒        | ☒        |
| GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED | —        | —        |
| DETECTOR LOOP                                | □        | □        |
| COMMON TRENCH                                | CT       |          |
| UNIT DUCT                                    | UD       |          |
| SYSTEM                                       | S        |          |
| INTERSECTION                                 | IP       | I        |
| TELEPHONE CONNECTION                         | ☒        | ☒        |
| SERVICE INSTALLATION                         | ☒        | ☒        |

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

MASTER CONTROLLER LOCATION AND TELEPHONE FOR THIS "SYSTEM" IS LOCATED AT US RTE 12 AT ILL RTE 22.

| REVISIONS |      |
|-----------|------|
| NAME      | DATE |
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
 INTERCONNECT PLAN  
 ILLINOIS ROUTE 22  
 BUESCHING ROAD TO QUENTIN ROAD  
 (SHEET 3 OF 3)

SCALE IN METERS  
 HORIZ. (1:500) 0 10





























DATE: MARCH 11, 2005

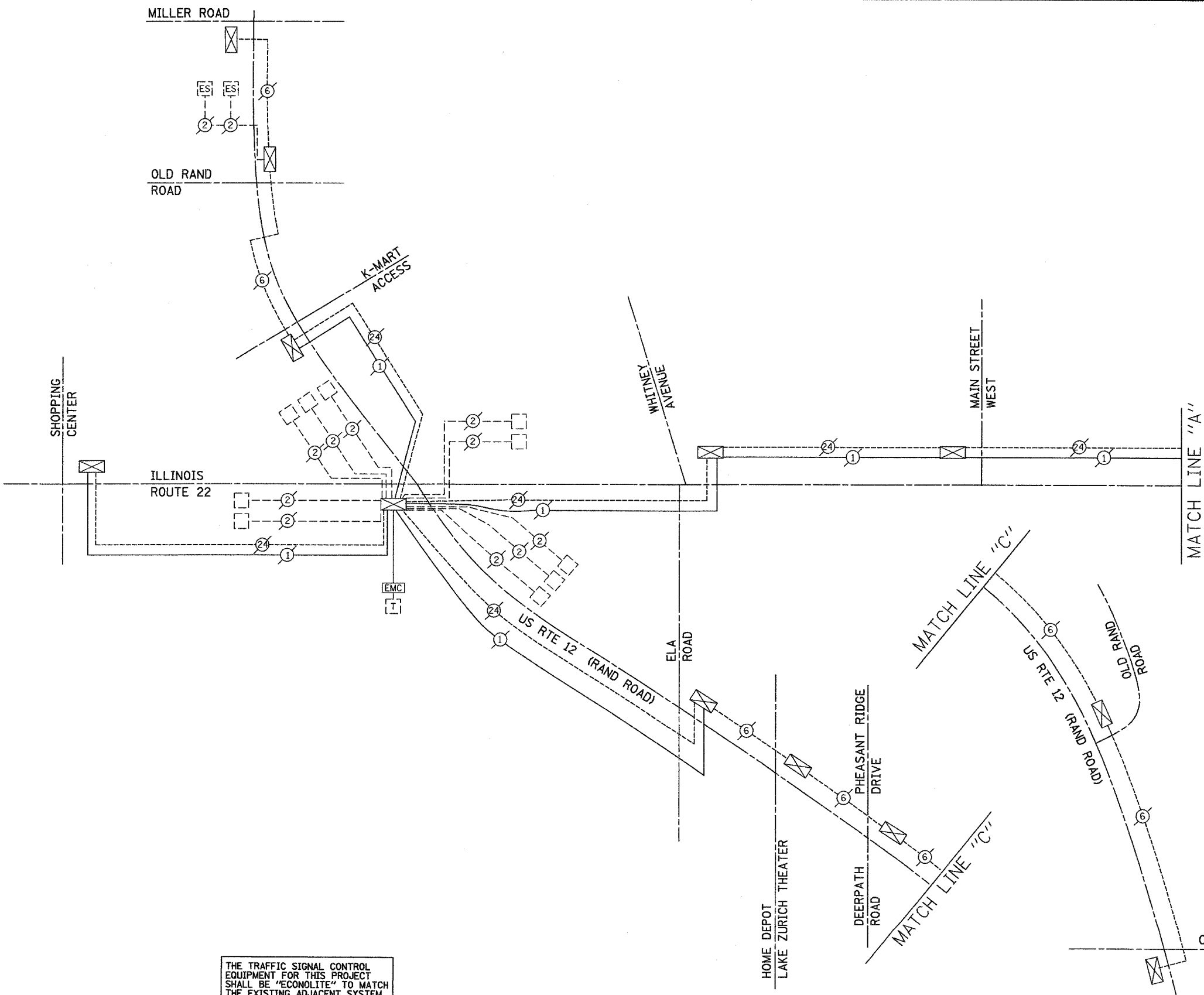
DRAWN BY: EAO  
 DESIGNED BY: BC/PKG  
 CHECKED BY: PKG/RMM

|                     |          |          |                  |           |
|---------------------|----------|----------|------------------|-----------|
| F.A.P. RTE.         | SECTION  | COUNTY   | TOTAL SHEETS     | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE     | 316              | 193       |
| STA.                |          | TO STA.  |                  |           |
| FED. ROAD DIST. NO. |          | ILLINOIS | FED. AID PROJECT |           |

CONTRACT NO. 62030

**INTERCONNECT SCHEMATIC LEGEND**

-  EXISTING INTERSECTION CONTROLLER
-  PROPOSED INTERSECTION CONTROLLER
-  EXISTING MASTER CONTROLLER
-  PROPOSED MASTER CONTROLLER
-  MASTER MASTER CONTROLLER
-  EXISTING INTERSECTION & SAMPLING (SYSTEM) DETECTORS
-  PROPOSED INTERSECTION & SAMPLING (SYSTEM) DETECTORS
-  EXISTING INTERSECTION LOOP DETECTORS AND PROPOSED SAMPLING (SYSTEM) DETECTORS
-  EXISTING SAMPLING (SYSTEM) DETECTORS
-  PROPOSED SAMPLING (SYSTEM) DETECTORS
-  EXISTING SAMPLING (SYSTEM) DETECTORS, PROPOSED INTERSECTION & SAMPLING (SYSTEM) DETECTORS.
-  EXISTING SAMPLING (SYSTEM) DETECTORS, PROPOSED SAMPLING (SYSTEM) DETECTORS.
-  EXISTING PREFORMED INTERSECTION & SAMPLING (SYSTEM) DETECTORS
-  PROPOSED PREFORMED INTERSECTION & SAMPLING (SYSTEM) DETECTORS
-  EXISTING SAMPLING (SYSTEM) PREFORMED DETECTORS.
-  PROPOSED SAMPLING (SYSTEM) PREFORMED DETECTORS.
-  EXISTING FIBER OPTIC CABLE IN CONDUIT NO. 62.5/245 MM24F & SM24F
-  PROPOSED FIBER OPTIC CABLE IN CONDUIT NO. 62.5/245 MM24F & SM24F
-  EXISTING INTERCONNECT CABLE - NO. 62.5/245 24F FIBER OPTIC CABLE
-  PROPOSED INTERCONNECT CABLE - NO. 62.5/245 24F FIBER OPTIC CABLE
-  EXISTING INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED
-  PROPOSED INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED
-  EXISTING LOOP DETECTOR CABLE - 2/C TWISTED, SHIELDED
-  PROPOSED LOOP DETECTOR CABLE - 2/C TWISTED, SHIELDED
-  EXISTING ELECTRIC CABLE 1/C (AS SPECIFIED)
-  PROPOSED ELECTRIC CABLE, 1/C (AS SPECIFIED)
-  EXISTING TELEPHONE CONNECTION
-  PROPOSED TELEPHONE CONNECTION



THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

**GA** GANDHI AND ASSOCIATES, INC.  
ENGINEERS AND PLANNERS  
6035 N. NORTHWEST HIGHWAY  
SUITE 306  
CHICAGO, ILLINOIS 60631 TEL. (773) 774-5980

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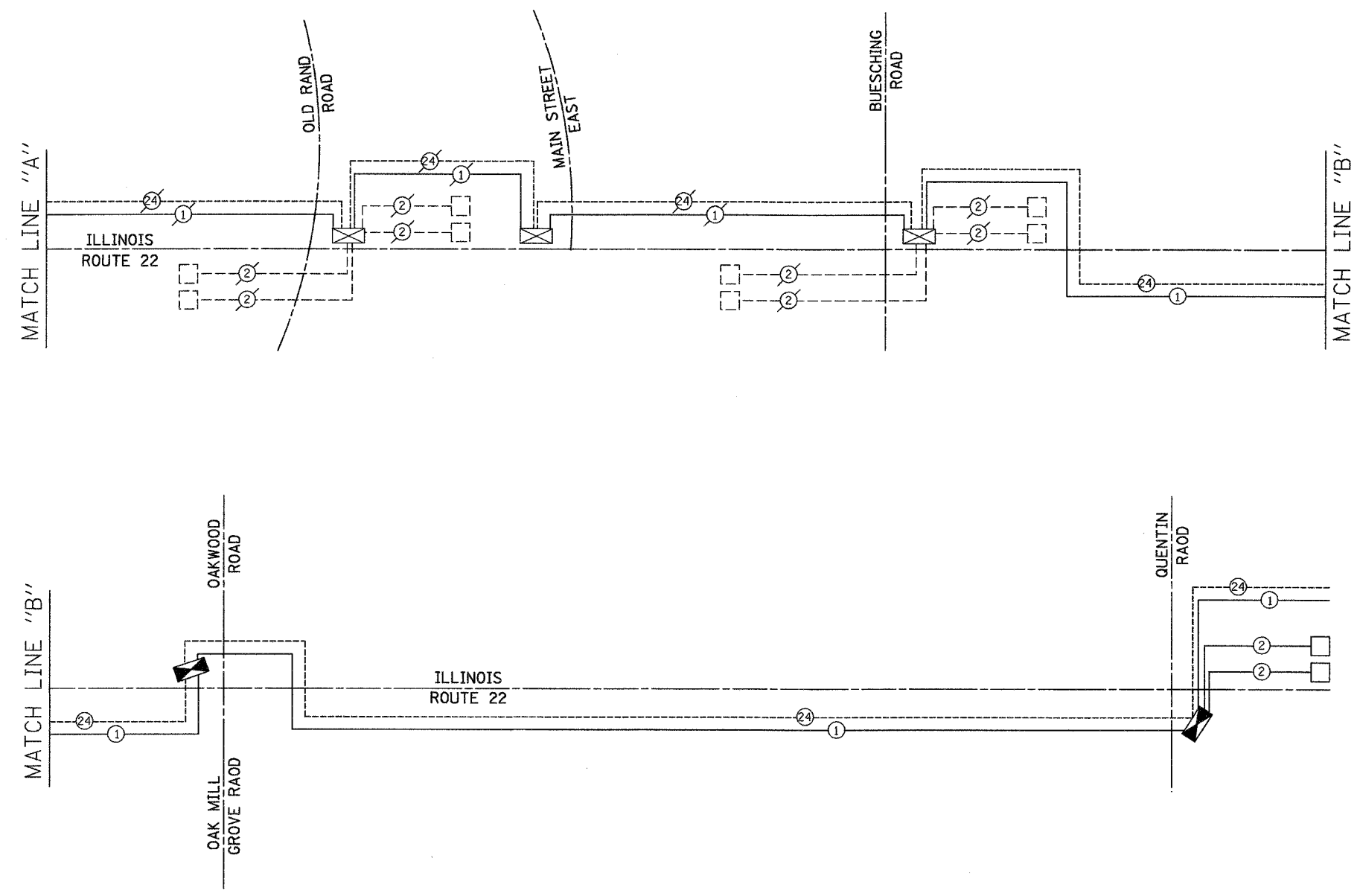
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**INTERCONNECT SCHEMATIC**  
ILLINOIS ROUTE 22  
SHOPPING CENTER TO QUENTIN ROAD  
(SHEET 1 OF 2)

SCALE: N.T.S.  
DATE: MARCH 11, 2005

DRAWN BY: EAO  
DESIGNED BY: BCG/PKG  
CHECKED BY: PKG/RMM

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|---------------------|----------|------------------|--------------|----------|
| F.A.P. RTE.         | SECTION  | COUNTY           | TOTAL SHEETS | SHEET NO |
| 337                 | 20 WRS-6 | LAKE             | 318          | 194      |
| STA.                | TO STA.  |                  |              |          |
| FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT |              |          |

CONTRACT NO. 62030



**INTERCONNECT SCHEMATIC LEGEND**

- EXISTING INTERSECTION CONTROLLER
- PROPOSED INTERSECTION CONTROLLER
- EXISTING MASTER CONTROLLER
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- EXISTING LOOP DETECTOR CABLE - 2/C TWISTED, SHIELDED
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- EXISTING ELECTRIC CABLE 1/C (AS SPECIFIED)
- PROPOSED ELECTRIC CABLE, 1/C (AS SPECIFIED)
- EXISTING TELEPHONE CONNECTION
- PROPOSED TELEPHONE CONNECTION



THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

| REVISIONS |      |
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| NAME      | DATE |
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
**INTERCONNECT SCHEMATIC**  
 ILLINOIS ROUTE 22  
 SHOPPING CENTER TO QUENTIN ROAD  
 (SHEET 2 OF 2)

SCALE: N.T.S.  
 DATE: MARCH 11, 2005

DRAWN BY: EAO  
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 CHECKED BY: PKG/RMM

**GA** GANDHI AND ASSOCIATES, INC.  
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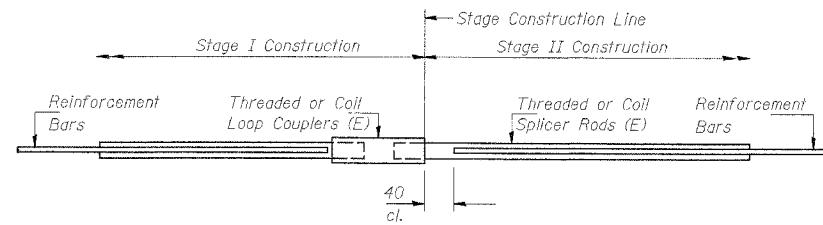






STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

|                     |          |                           |              |           |
|---------------------|----------|---------------------------|--------------|-----------|
| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE                      | 318          | 197       |
| STA.                |          | TO STA.                   |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 62030  |          |                           |              |           |



**BAR SPLICER ASSEMBLY DETAIL**

| Bar Size | No. Assemblies Required | Location    |
|----------|-------------------------|-------------|
| #13      | 14                      | Bottom Slab |
| #16      | 9                       | Top Slab    |
| #16      | 15                      | Side Walls  |
|          |                         |             |
|          |                         |             |

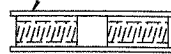
The diameter of this part is the same as the diameter of the bar spliced.

**ROLLED THREAD DOWEL BAR**



**\*\* ONE PIECE**

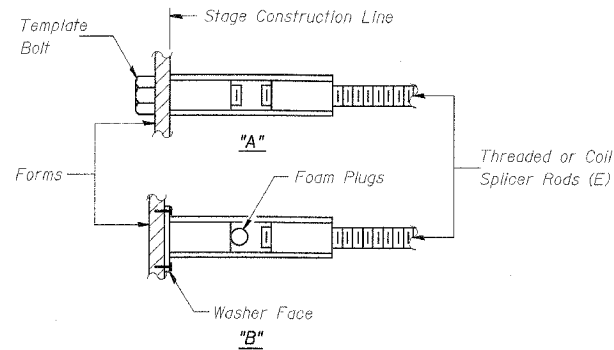
Wire Connector



**WELDED SECTIONS**

**BAR SPLICER ASSEMBLY ALTERNATIVES**

\*\* Heavy Hex Nuts conforming to ASTM A 563M, Grade C, D or DH may be used.



**INSTALLATION AND SETTING METHODS**

"A" : Set bar splicer assembly by means of a template bolt.

"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.

**NOTES**

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.

Splicer rods shall be of minimum 400 MPa yield strength, threaded or coiled full length.

All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.

Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

- ① Minimum Capacity (Tension in kN) =  $1.25 \times 10^{-3} \times f_y \times A_f$
- ② Minimum \*Pull-out Strength (Tension in kN) =  $1.25 \times 10^{-3} \times f_{s\text{allow}} \times A_f$

Where  $f_y$  = Yield strength of lapped reinforcement bars in MPa.

$f_{s\text{allow}}$  = Allowable tensile stress in lapped reinforcement bars in MPa (Service Load)

$A_f$  = Tensile stress area of lapped reinforcement bars ( $\text{mm}^2$ ).

\* = 28 day concrete

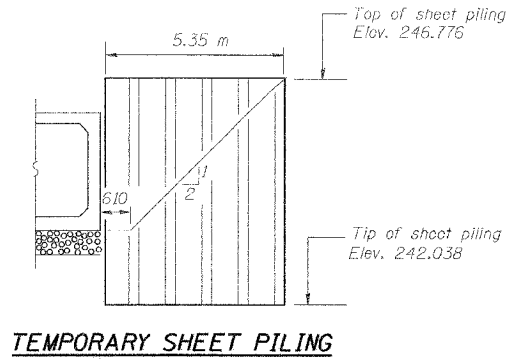
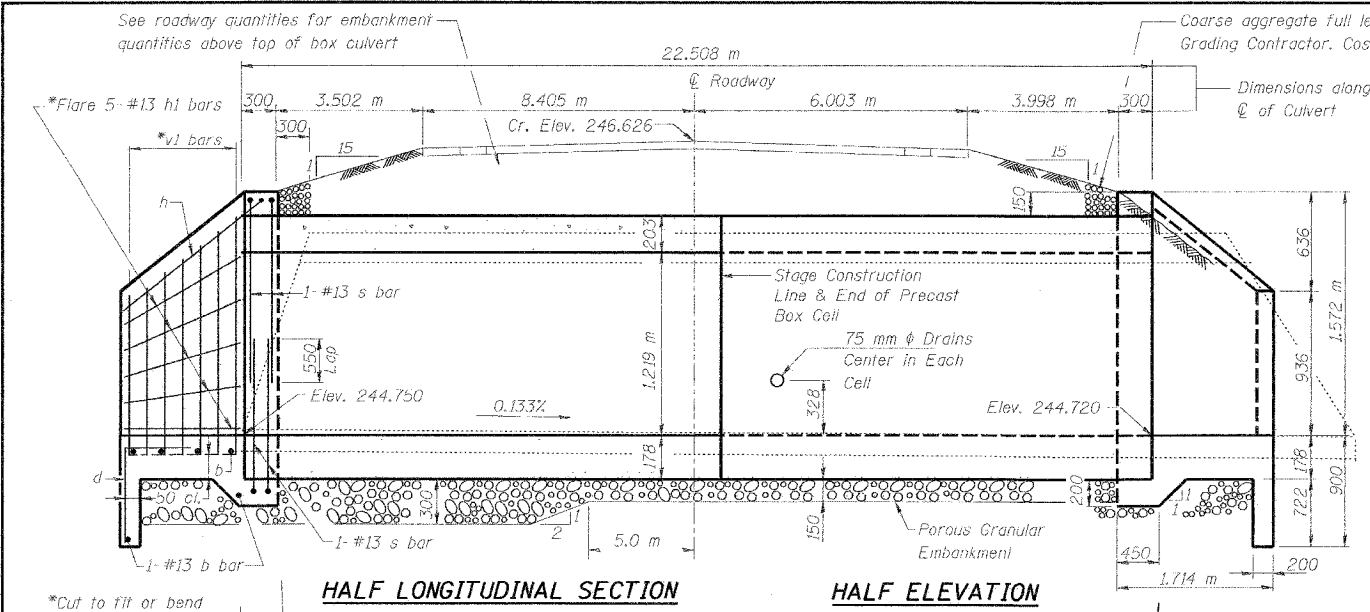
| Bar Size to be Spliced | Splicer Rod or Dowel Bar Length | Strength Requirements      |                                     |
|------------------------|---------------------------------|----------------------------|-------------------------------------|
|                        |                                 | Min. Capacity kN - tension | Min. Pull-Out Strength kN - tension |
| #13                    | 510 mm                          | 67                         | 27                                  |
| #16                    | 610 mm                          | 102                        | 41                                  |
|                        |                                 |                            |                                     |

Bar splicer assemblies shall be according to Section 508 of the Standard Specifications, except as noted. The furnishing and installation of bar splicer assemblies will be measured and paid for at the contract unit price each for "BAR SPLICERS."

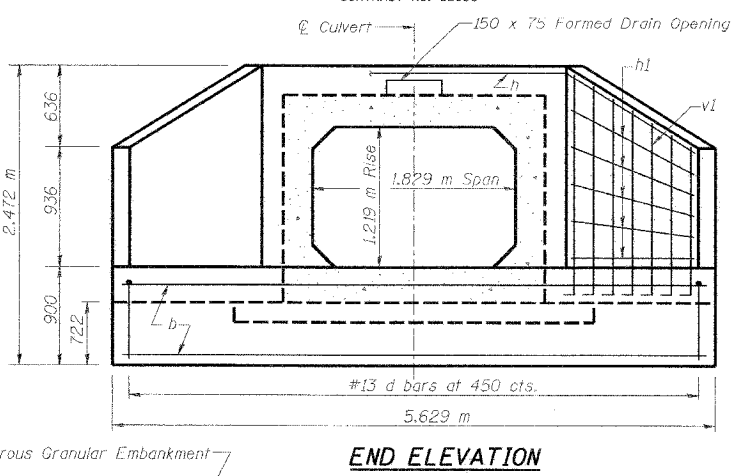
All dimensions are in millimeters (mm) except as noted.

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| NAME      | DATE |
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|---------------------|---------------------------|--------|--------------|-----------|
| F.A.P. RTE.         | SECTION                   | COUNTY | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6                  | LAKE   | 3/8          | 1/8       |
| STA.                | TO STA.                   |        |              |           |
| FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT |        |              |           |
| CONTRACT NO. 62030  |                           |        |              |           |



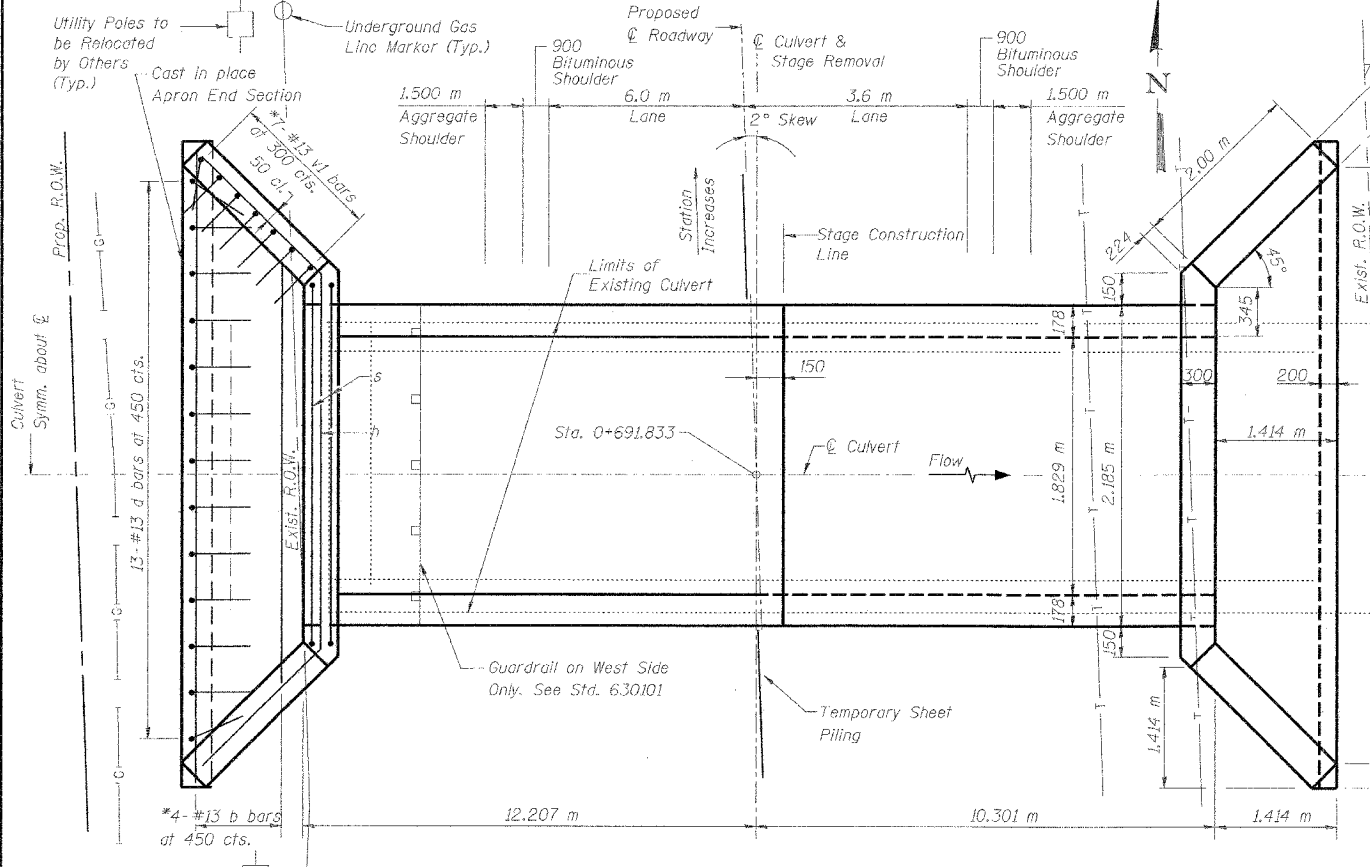
**TEMPORARY SHEET PILING**  
 Minimum section modulus of temporary sheet piling shall be  $171 \times 10^3 \text{ mm}^3$  per meter of wall. Minimum Embedment = 2.369 m. See Specifications for Temporary Sheet Piling.



**BILL OF MATERIAL**

| Bar   | No.   | Size | Length(m) | Shape |
|---|-------|------|-----------|-------|
| b   | 12    | #13  | 5.53      |       |
| d   | 26    | #13  | 1.60      |       |
| h   | 2     | #13  | 6.84      |       |
| h1  | 20    | #13  | 2.13      |       |
| s   | 8     | #13  | 4.84      |       |
| v1  | 28    | #13  | 1.87      |       |
| Pipe Culvert Removal                        |       | m    | 23.3      |       |
| Precast Concrete Box Culvert, 1.8 m x 1.2 m |       | m    | 22.5      |       |
| Box Culvert End Section                     | Each  |      | 2         |       |
| Temporary Sheet Piling                      | Sq. m |      | 51.0      |       |
| Porous Granular Embankment                  | Cu. m |      | 187.7     |       |

\*\*Concrete Class SI = 7.0 m<sup>3</sup> and Reinforcement Bars = 250 kg for 2 end sections

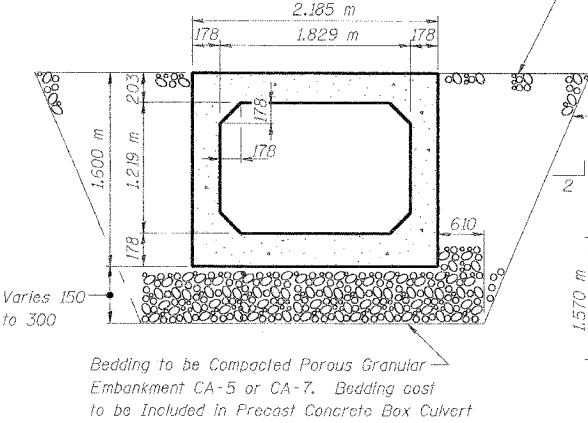


**SHOWING REINFORCEMENT**

**SHOWING OUTLINES**

**PLAN**

- \*\*\*NOTES:  
 1. Headwater taken at u/s face of structure.  
 2. Natural water surface interpolated and taken at u/s face of structure.  
 3. All elevations shown are on IDOT road survey elevations.



**SECTION THRU BARREL**

(Precast)  
 AASHTO Designation: M273M  
 ASTM Designation: C850M

**DESIGN STRESSES**

AASHTO 1996 with 1997-2000, & 2002 Interims

**MS18 LOADING**

Allow 2.4 kN/m<sup>2</sup> for future wearing surface

**DESIGN STRESSES**

FIELD UNITS: f'c = 24 MPa, fy = 420 MPa (Reinforcement)  
 PRECAST UNITS: f'c = 35 MPa, fy = 420 MPa (Welded Wire Fabric)

**WATERWAY INFORMATION**

| Drainage Area = 168 HA |           | Existing Low Grade Elev. = 246.40 |       | Proposed Low Grade Elev. = 246.84 |          |       |                     |        |        |
|------------------------|-----------|-----------------------------------|-------|-----------------------------------|----------|-------|---------------------|--------|--------|
| Flood                  | Freq. Yr. | Opening m <sup>2</sup>            |       | Nat. H.W.L.                       | Head - m |       | Headwater Elev. *** |        |        |
|                        |           | Exist.                            | Prop. |                                   | Exist.   | Prop. | Exist.              | Prop.  |        |
| Design                 | 50        | 4.0                               | 1.35  | 1.73                              | 245.58   | 0.15  | 0.06                | 245.73 | 245.64 |
| Base                   | 100       | 5.3                               | 1.41  | 1.84                              | 245.76   | 0.76  | 0.46                | 246.52 | 246.22 |
|                        | 500       | 9.5                               | 1.48  | 2.12                              | 245.91   | 0.73  | 0.98                | 246.64 | 246.89 |

| REVISIONS |      |
|-----------|------|
| NAME      | DATE |
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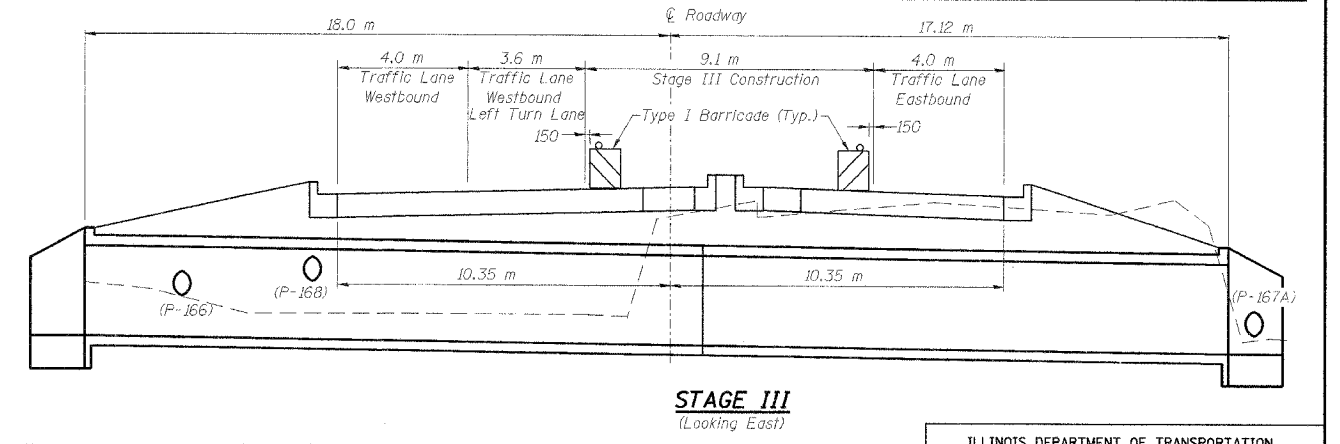
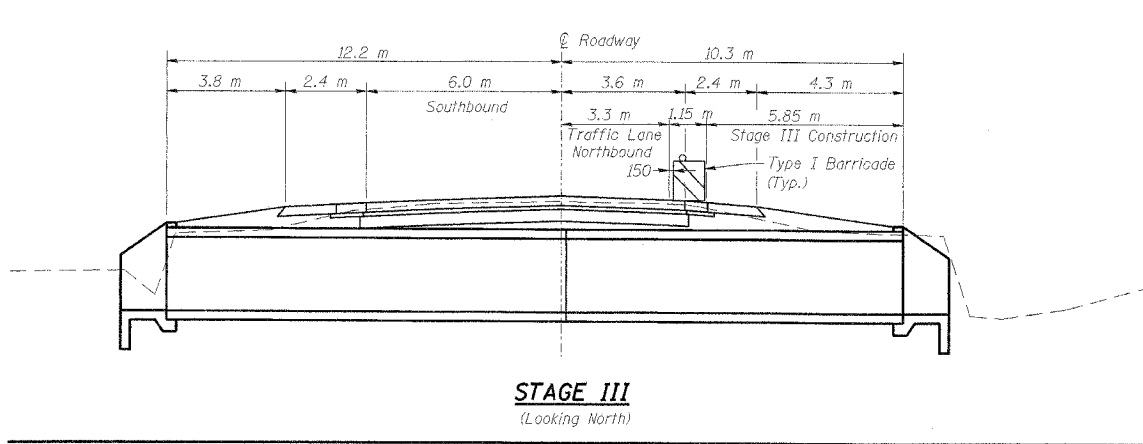
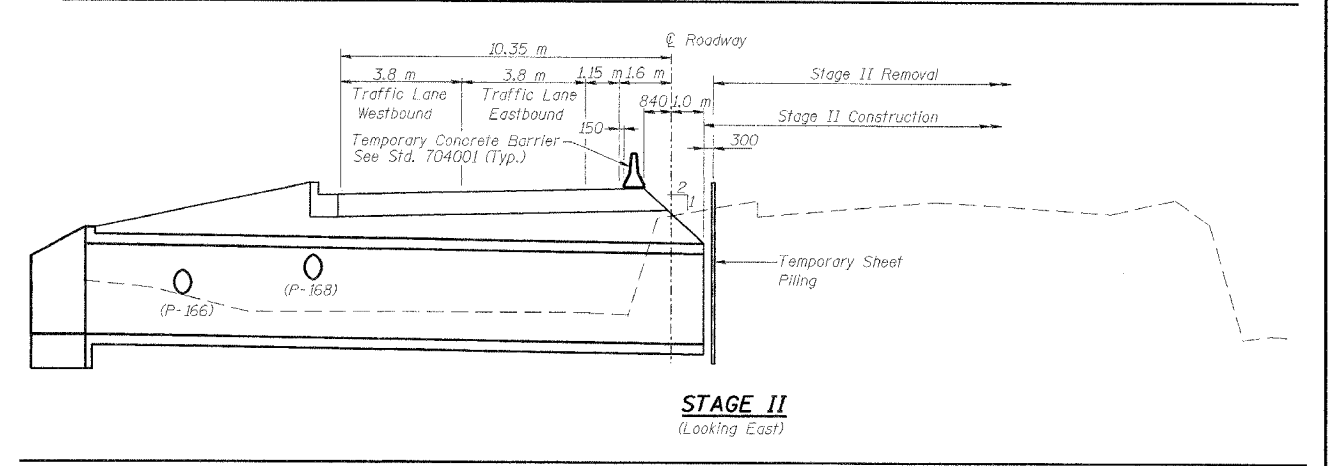
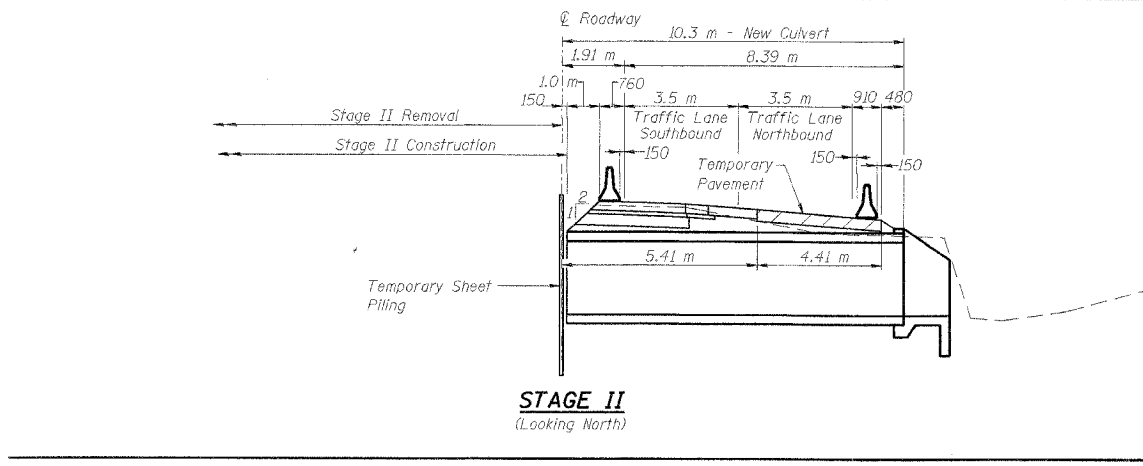
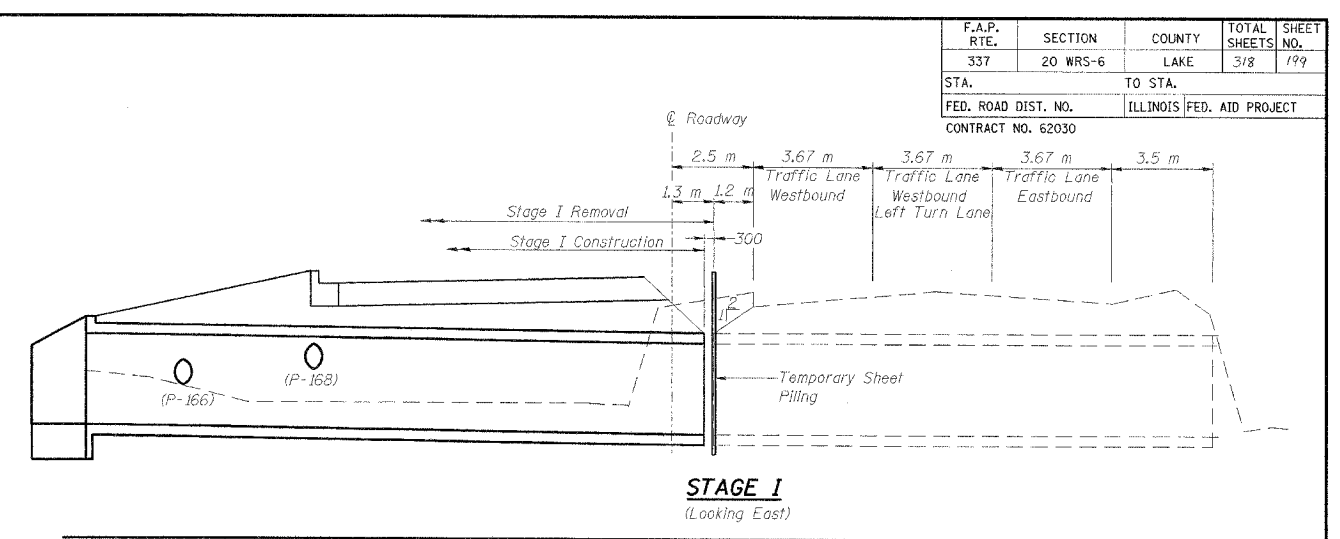
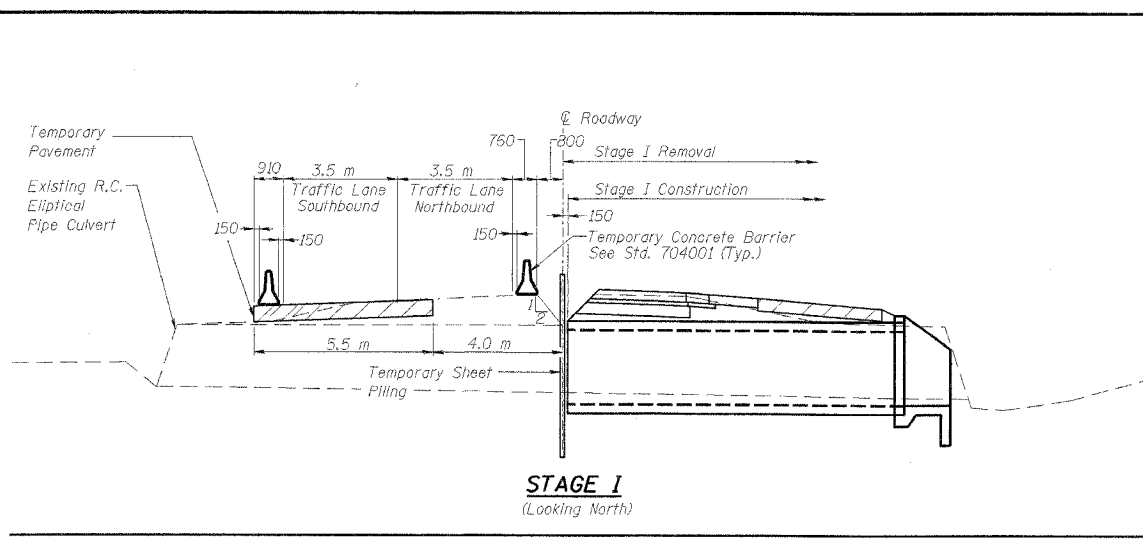
ILLINOIS DEPARTMENT OF TRANSPORTATION

**QUENTIN ROAD BOX CULVERT STATION 0+691.833**

DRAWN BY DF  
 CHECKED BY CB

DATE 3/11/05

|                     |          |                           |              |           |
|---------------------|----------|---------------------------|--------------|-----------|
| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE                      | 3/8          | 1/9       |
| STA.                |          | TO STA.                   |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |
| CONTRACT NO. 62030  |          |                           |              |           |



Note: See culvert drawings for plan view of the Temporary Sheet Piling. The sheet piling does not close the box culvert opening. The Contractor is responsible for diverting the water flow, as required, per Section 540.04 of the Standard Specifications.

**QUENTIN ROAD  
BOX CULVERT  
STATION 0+691.833**

Note: See culvert drawings for plan view of the Temporary Sheet Piling. The sheet piling does not close the box culvert opening. The Contractor is responsible for diverting the water flow, as required, per Section 540.04 of the Standard Specifications.

**IL ROUTE 22  
BOX CULVERT  
STATION II+640.961**

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

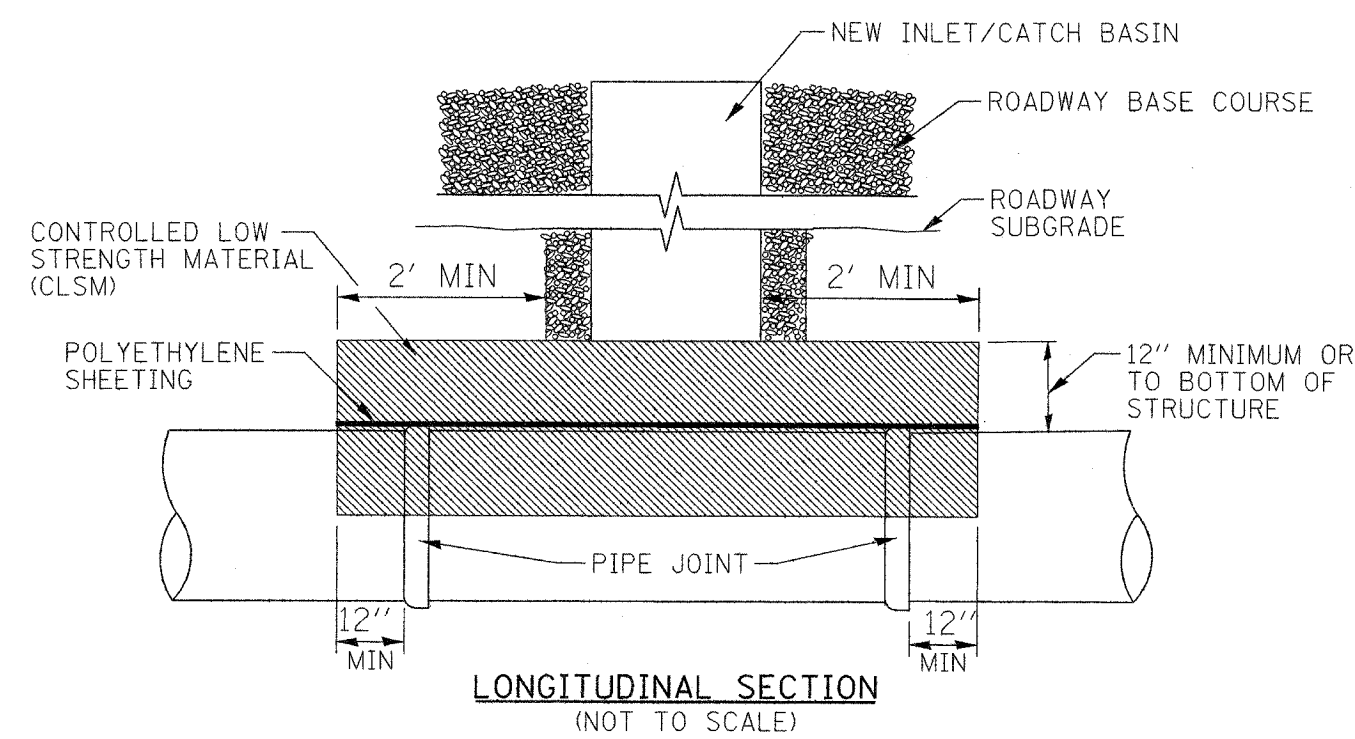
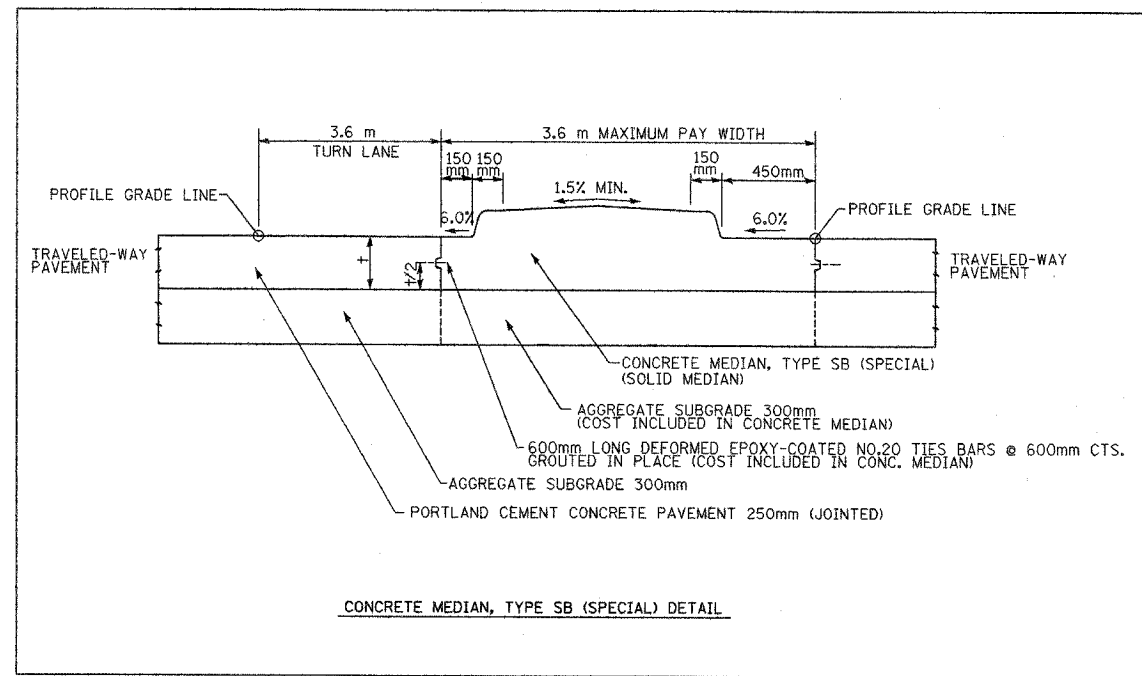
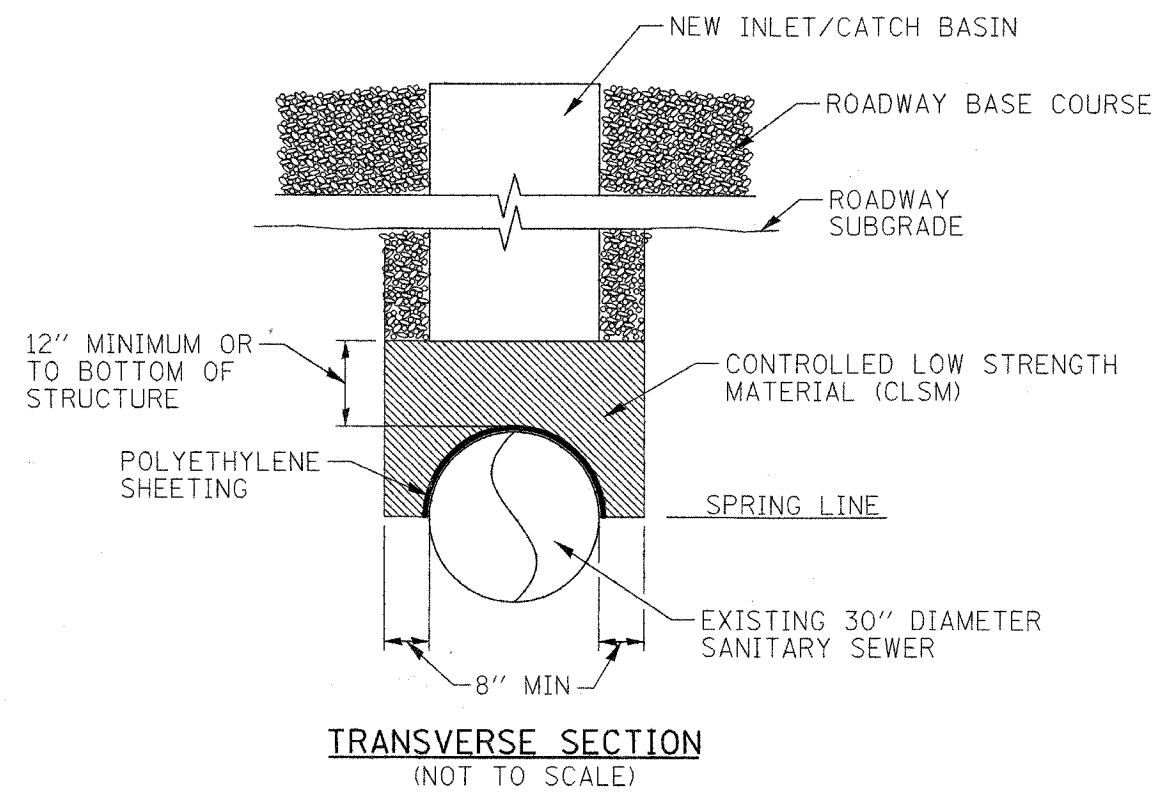
ILLINOIS DEPARTMENT OF TRANSPORTATION

**BOX CULVERT  
STAGING**

DRAWN BY DF  
CHECKED BY CB

DATE 3/11/05

|                     |                           |        |              |           |
|---------------------|---------------------------|--------|--------------|-----------|
| F.A.P. RTE.         | SECTION                   | COUNTY | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6                  | LAKE   | 3/8          | 200       |
| STA.                | TO STA.                   |        |              |           |
| FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT |        |              |           |
| CONTRACT NO. 62030  |                           |        |              |           |



**SANITARY SEWER PIPE PROTECTION**

| REVISIONS     |      | ILLINOIS DEPARTMENT OF TRANSPORTATION<br>ILLINOIS ROUTE 22 |
|---------------|------|--|
| NAME          | DATE |  |
|               |      | CONSTRUCTION DETAILS                                       |
|               |      |  |
|               |      |  |
|               |      |  |
|               |      |  |
|               |      |  |
| SCALE NTS     |      | DRAWN BY SMP   |
| DATE 03/11/05 |      | CHECKED BY BDH   |