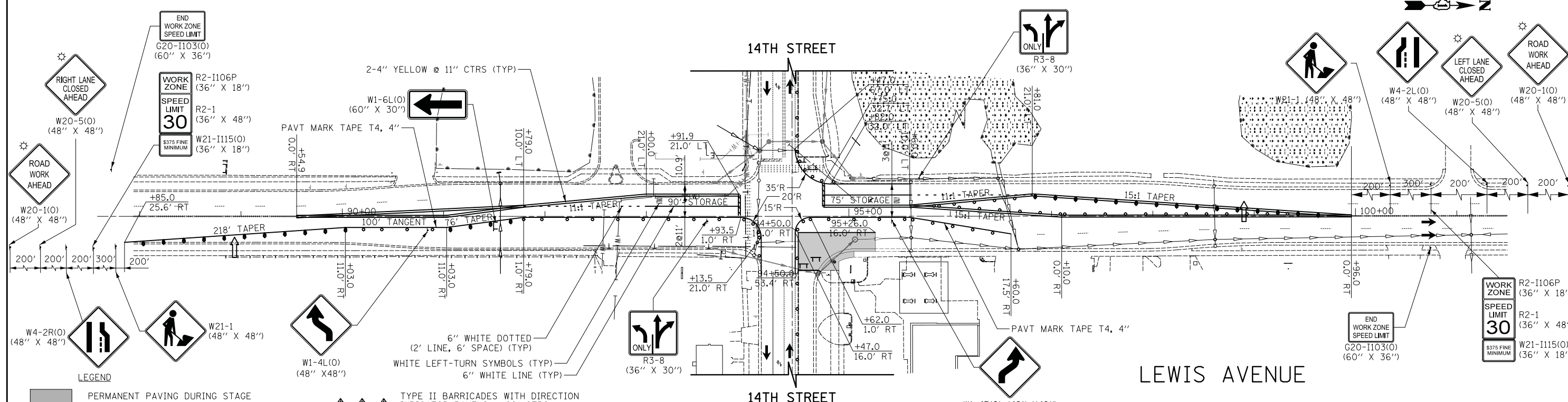
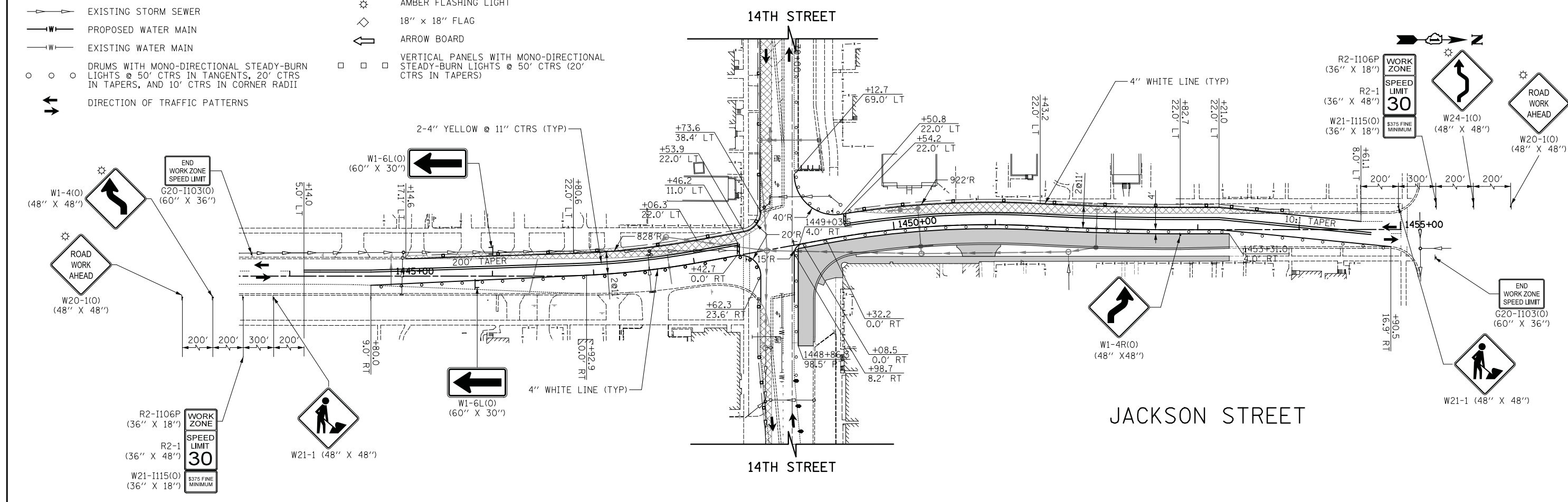


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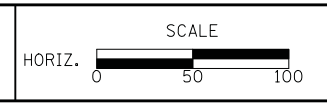
- LEGEND**
- PERMANENT PAVING DURING STAGE
 - TEMPORARY PAVING DURING STAGE
 - PATCHING DURING STAGE
 - PROPOSED STORM SEWER
 - EXISTING STORM SEWER
 - PROPOSED WATER MAIN
 - EXISTING WATER MAIN
 - DRUMS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS IN TANGENTS, 20' CTRS IN TAPERS, AND 10' CTRS IN CORNER RADII
 - DIRECTION OF TRAFFIC PATTERNS
 - TYPE II BARRICADES WITH DIRECTION INDICATOR PANELS @ 20' CTRS
 - TYPE III BARRICADE WITH FLASHING LIGHTS
 - TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
 - AMBER FLASHING LIGHT
 - 18" x 18" FLAG
 - ARROW BOARD
 - VERTICAL PANELS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (20' CTRS IN TAPERS)



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 DEPARTMENT OF TRANSPORTATION**



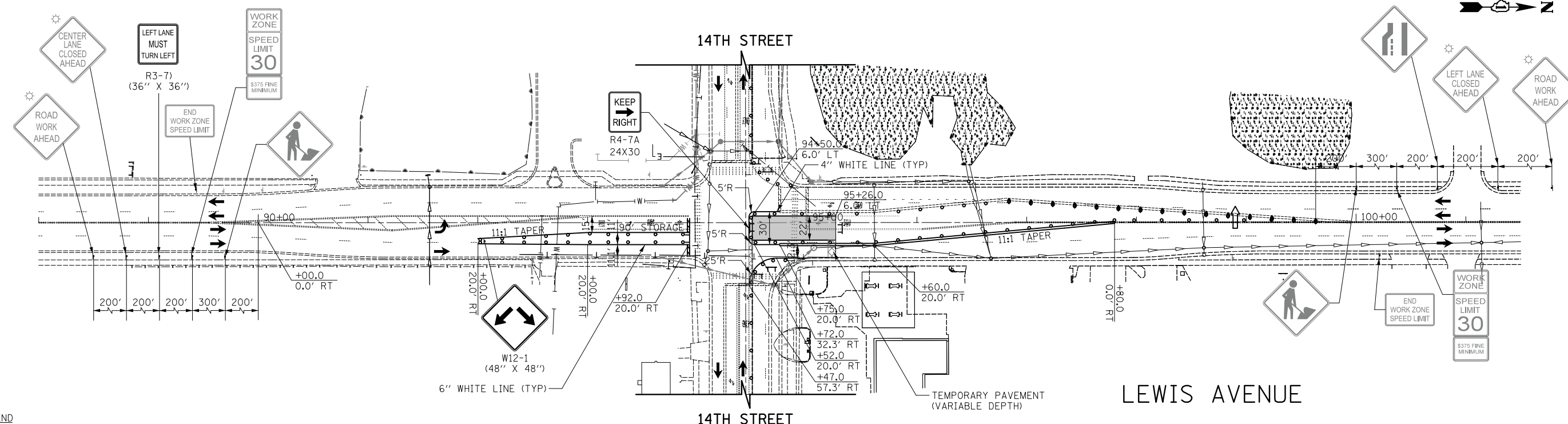
STAGES OF CONSTRUCTION - STAGE IA

SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1228	99-00260-01-WR	LAKE	566	101
CONTRACT NO. 61F33				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

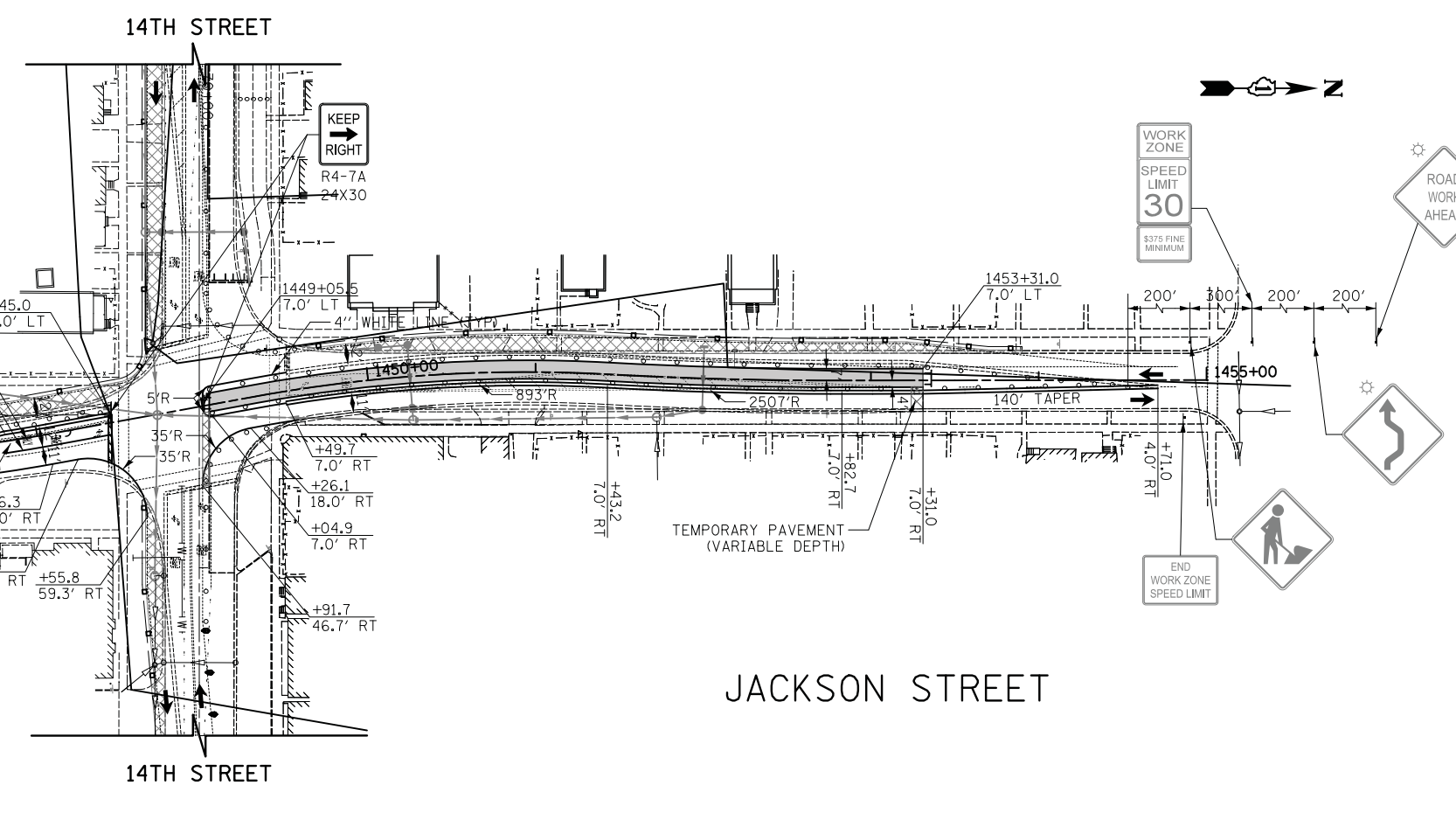
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LEGEND

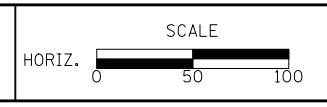
- PERMANENT PAVING DURING STAGE
- TEMPORARY PAVING DURING STAGE
- PATCHING DURING STAGE
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- PROPOSED WATER MAIN
- EXISTING WATER MAIN
- DRUMS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS IN TANGENTS, 20' CTRS IN TAPERS, AND 10' CTRS IN CORNER RADII
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- TYPE II BARRICADES WITH DIRECTION INDICATOR PANELS @ 20' CTRS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
- AMBER FLASHING LIGHT
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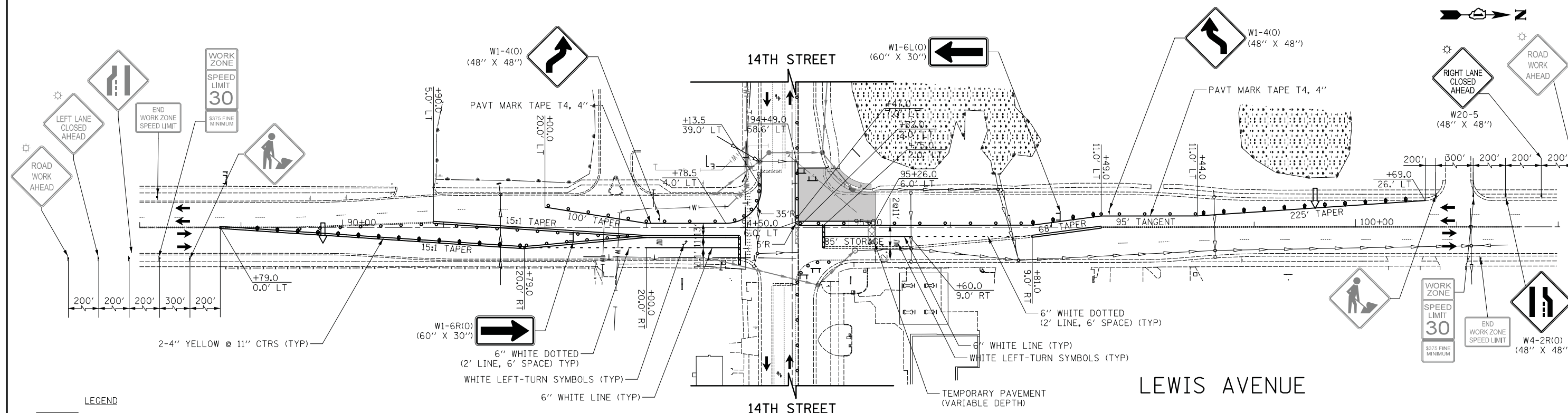


STAGES OF CONSTRUCTION - STAGE IB
 SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1228	99-00260-01-WR	LAKE	566	102
CONTRACT NO. 61F33				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

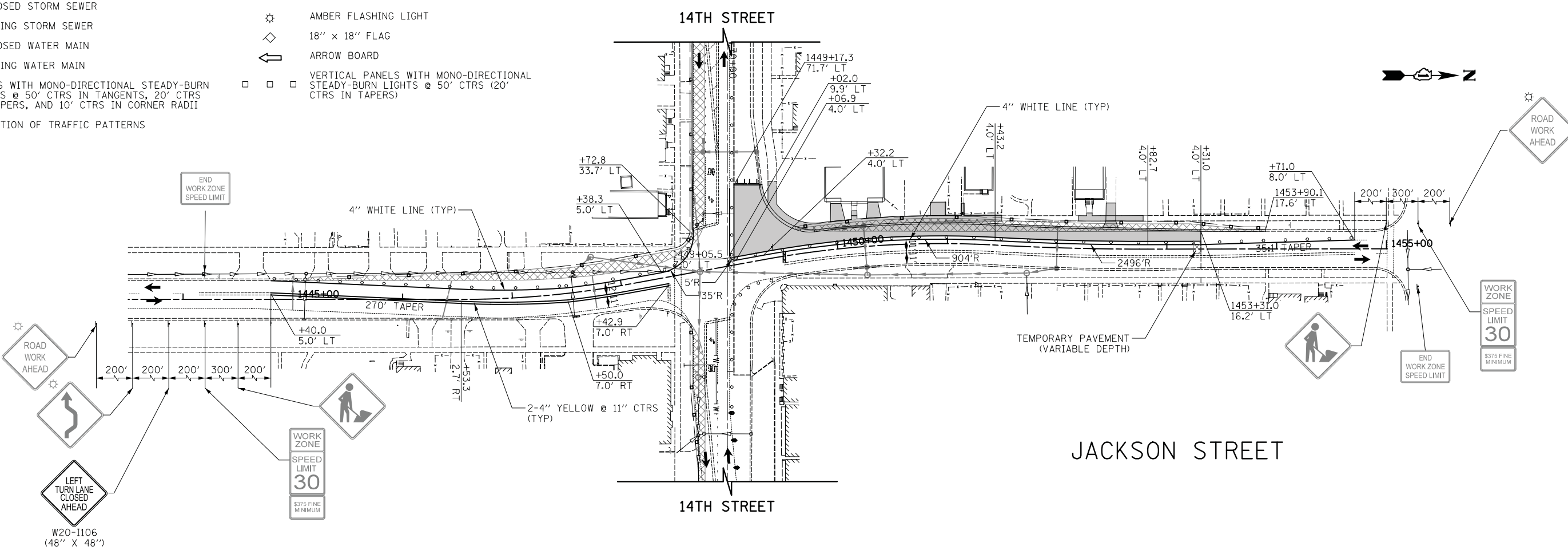
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NO.	

DATE	
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SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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LEGEND

- PERMANENT PAVING DURING STAGE
- TEMPORARY PAVING DURING STAGE
- PATCHING DURING STAGE
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- PROPOSED WATER MAIN
- EXISTING WATER MAIN
- DRUMS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS IN TANGENTS, 20' CTRS IN TAPERS, AND 10' CTRS IN CORNER RADII
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STAGES OF CONSTRUCTION - STAGE IC
 SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1228	99-00260-01-WR	LAKE	566	103
CONTRACT NO. 61F33				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LEGEND

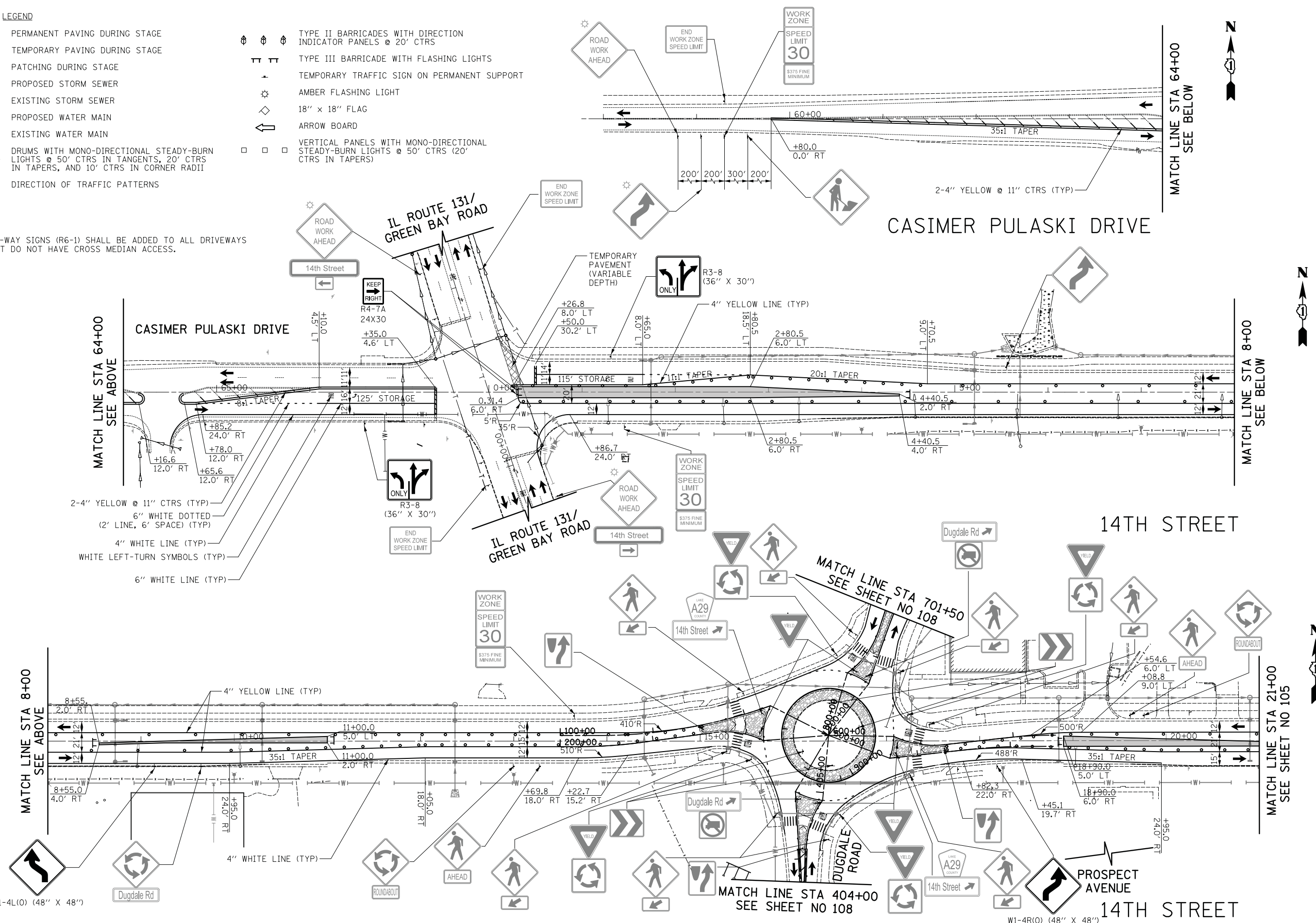
- PERMANENT PAVING DURING STAGE
- TEMPORARY PAVING DURING STAGE
- PATCHING DURING STAGE
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- PROPOSED WATER MAIN
- EXISTING WATER MAIN
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- TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
- AMBER FLASHING LIGHT
- 18" x 18" FLAG
- ARROW BOARD
- VERTICAL PANELS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (20' CTRS IN TAPERS)

NOTE:

1. ONE-WAY SIGNS (R6-1) SHALL BE ADDED TO ALL DRIVEWAYS THAT DO NOT HAVE CROSS MEDIAN ACCESS.

DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
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NOTE BOOK	
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STAGES OF CONSTRUCTION - STAGE ID

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1228	99-00260-01-WR	LAKE	566	104
CONTRACT NO. 61F33				

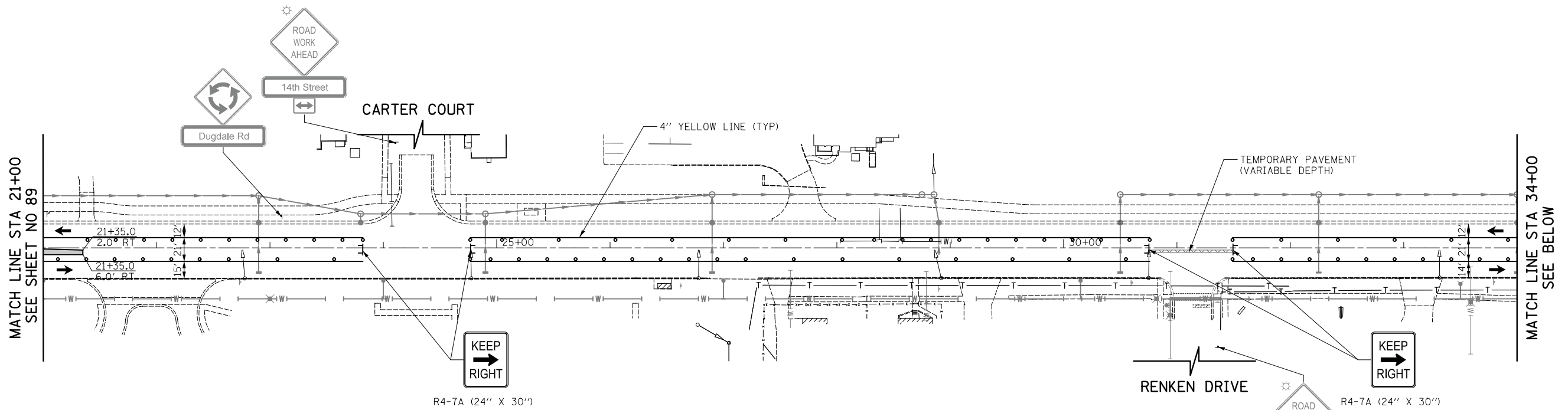
SHEET NO. 1 OF 6 SHEETS STA. 64+53.1 TO STA. 21+00.0

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1228	99-00260-01-WR	LAKE	566	104
CONTRACT NO. 61F33				

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

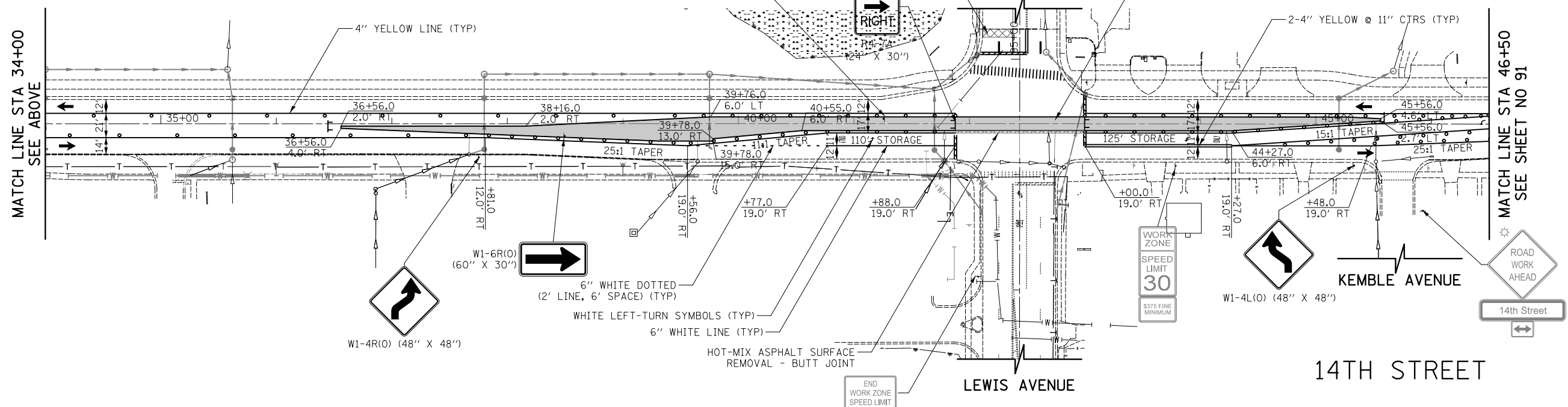
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



LEGEND

- PERMANENT PAVING DURING STAGE
- TEMPORARY PAVING DURING STAGE
- PATCHING DURING STAGE
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- PROPOSED WATER MAIN
- EXISTING WATER MAIN
- DRUMS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS IN TANGENTS, 20' CTRS IN TAPERS, AND 10' CTRS IN CORNER RADII
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- TYPE II BARRICADES WITH DIRECTION INDICATOR PANELS @ 20' CTRS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
- AMBER FLASHING LIGHT
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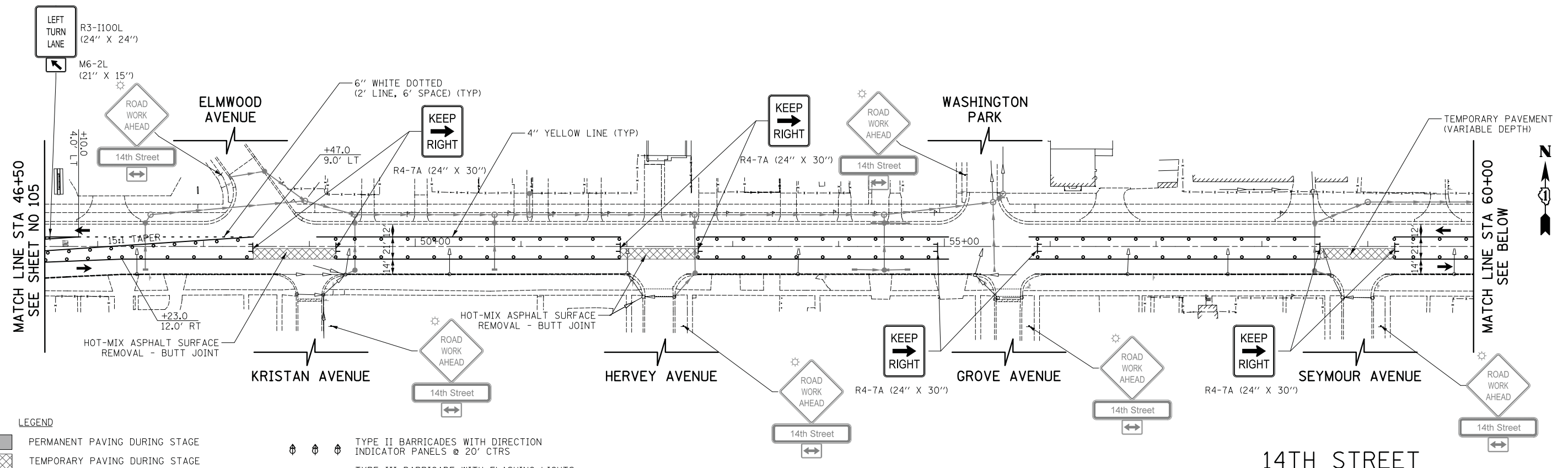
STAGES OF CONSTRUCTION - STAGE ID

SHEET NO. 2 OF 6 SHEETS	STA. 21+00.0 TO STA. 46+50.0
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61F33				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

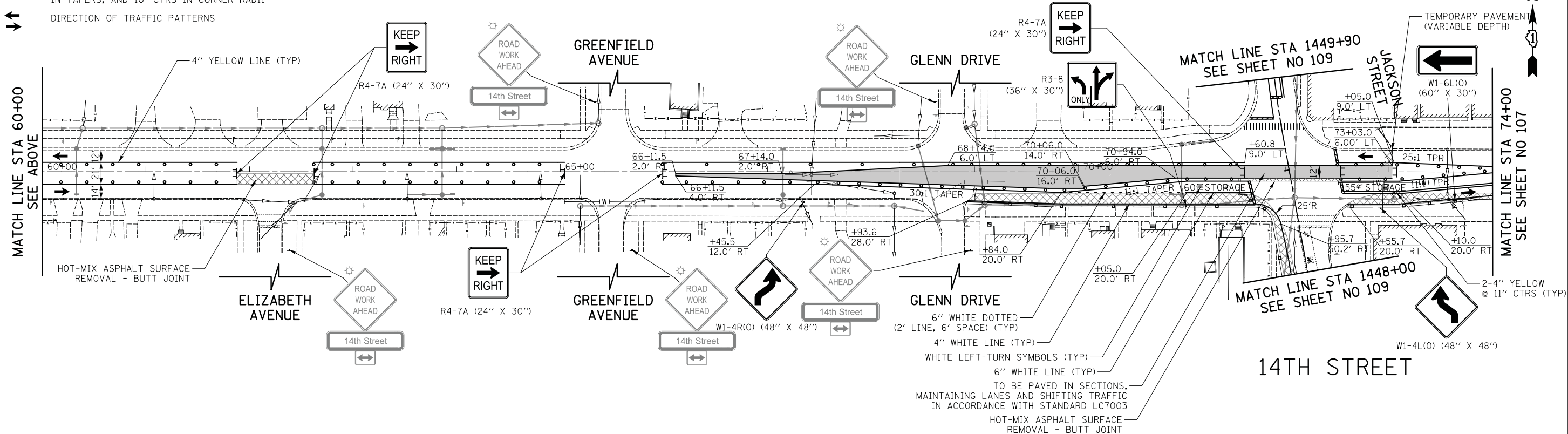
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SURVEYED	
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NOTE BOOK	
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LEGEND

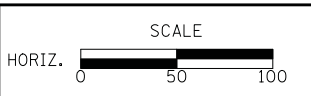
- PERMANENT PAVING DURING STAGE
- TEMPORARY PAVING DURING STAGE
- PATCHING DURING STAGE
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- PROPOSED WATER MAIN
- EXISTING WATER MAIN
- DRUMS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS IN TANGENTS, 20' CTRS IN TAPERS, AND 10' CTRS IN CORNER RADII
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 DEPARTMENT OF TRANSPORTATION**

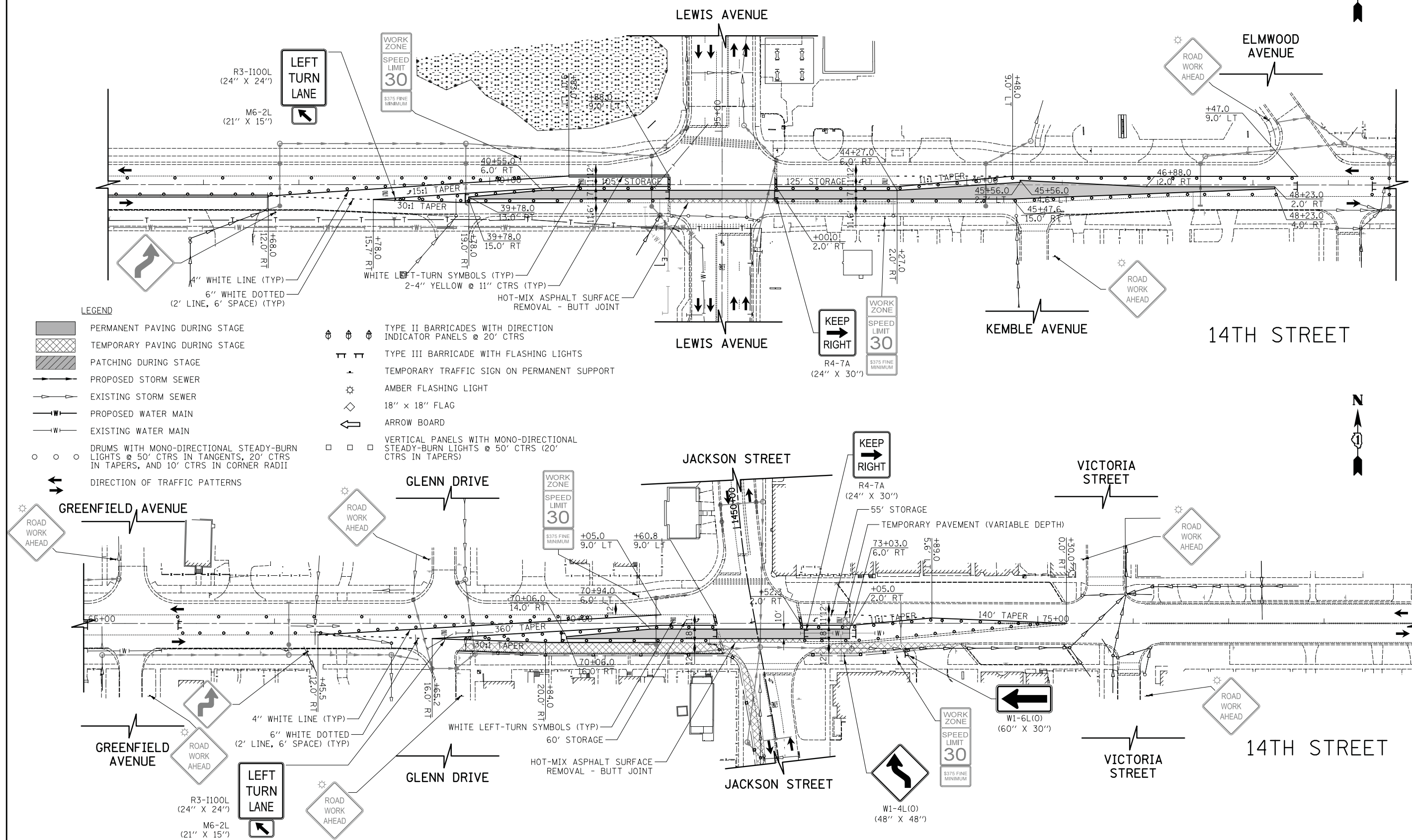


STAGES OF CONSTRUCTION - STAGE ID	
1228	99-00260-01-WR
SHEET NO. 3 OF 6 SHEETS STA. 46+50.0 TO STA. 74+00.0	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1228	99-00260-01-WR	LAKE	566	106
CONTRACT NO. 61F33				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
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PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



LEGEND

- PERMANENT PAVING DURING STAGE
- TEMPORARY PAVING DURING STAGE
- PATCHING DURING STAGE
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- PROPOSED WATER MAIN
- EXISTING WATER MAIN
- DRUMS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS IN TANGENTS, 20' CTRS IN TAPERS, AND 10' CTRS IN CORNER RADII
- DIRECTION OF TRAFFIC PATTERNS
- TYPE II BARRICADES WITH DIRECTION INDICATOR PANELS @ 20' CTRS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
- AMBER FLASHING LIGHT
- 18" x 18" FLAG
- ARROW BOARD
- VERTICAL PANELS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (20' CTRS IN TAPERS)

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STAGES OF CONSTRUCTION - STAGE IE
 SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1228	99-00260-01-WR	LAKE	566	110
CONTRACT NO. 61F33				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
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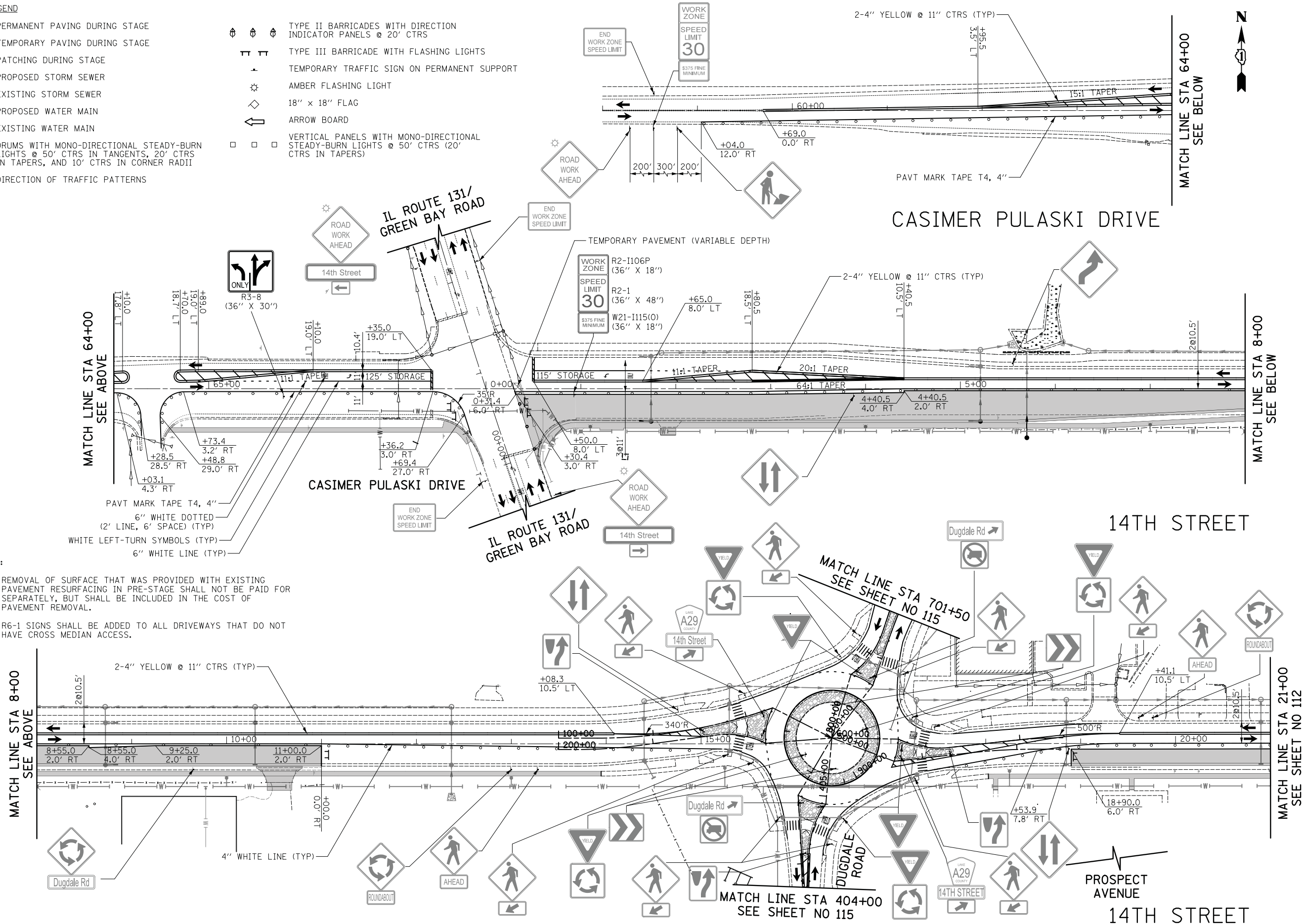
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NOTE BOOK	
AREAS CHECKED	
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LEGEND

- PERMANENT PAVING DURING STAGE
- TEMPORARY PAVING DURING STAGE
- PATCHING DURING STAGE
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- PROPOSED WATER MAIN
- EXISTING WATER MAIN
- DRUMS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS IN TANGENTS, 20' CTRS IN TAPERS, AND 10' CTRS IN CORNER RADII
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- TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
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- 18" x 18" FLAG
- ARROW BOARD
- VERTICAL PANELS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (20' CTRS IN TAPERS)

NOTE:

- REMOVAL OF SURFACE THAT WAS PROVIDED WITH EXISTING PAVEMENT RESURFACING IN PRE-STAGE SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF PAVEMENT REMOVAL.
- R6-1 SIGNS SHALL BE ADDED TO ALL DRIVEWAYS THAT DO NOT HAVE CROSS MEDIAN ACCESS.



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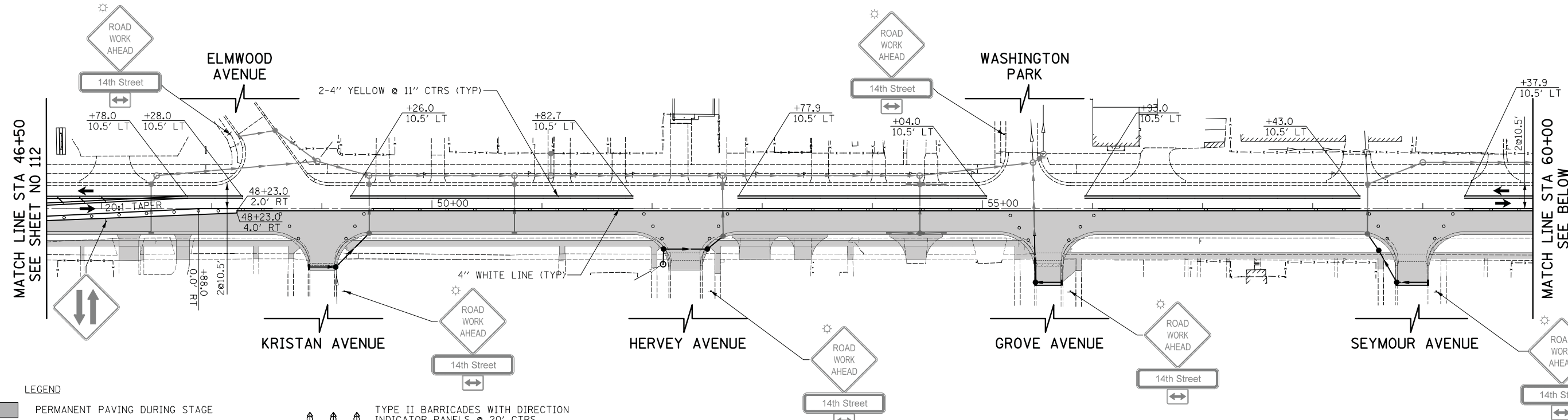


STAGES OF CONSTRUCTION - STAGE II
 SHEET NO. 1 OF 6 SHEETS STA. 64+53.1 TO STA. 21+00.0

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1228	99-00260-01-WR	LAKE	566	111
CONTRACT NO. 61F33				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

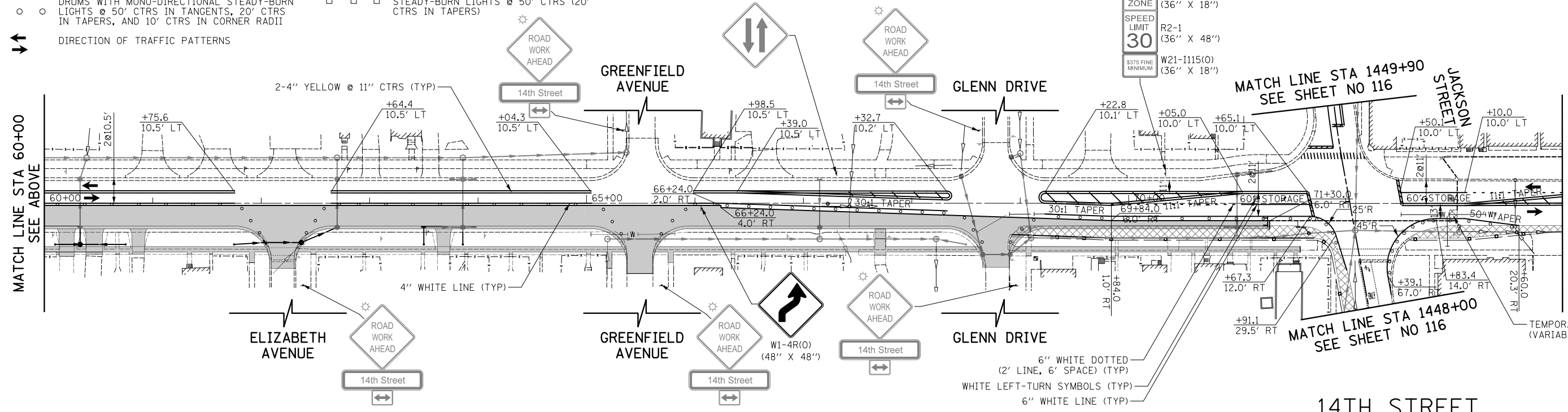
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LEGEND

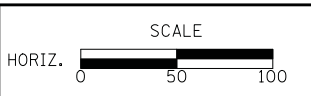
- PERMANENT PAVING DURING STAGE
- TEMPORARY PAVING DURING STAGE
- PATCHING DURING STAGE
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- PROPOSED WATER MAIN
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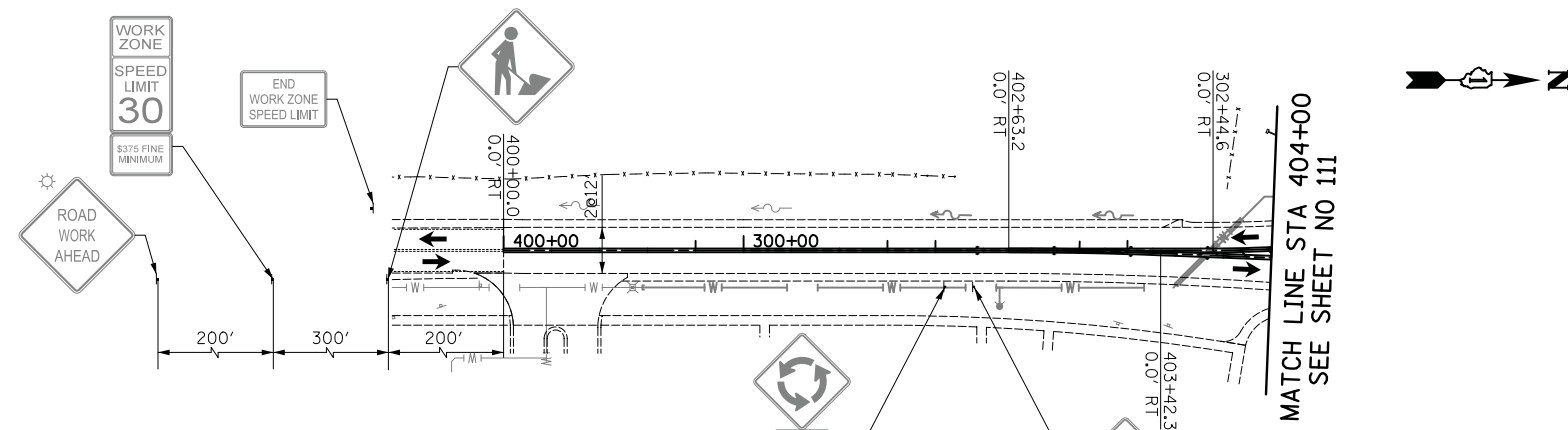
STAGES OF CONSTRUCTION - STAGE II

SHEET NO. 3 OF 6 SHEETS STA. 46+50.0 TO STA. 74+00.0

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61F33				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

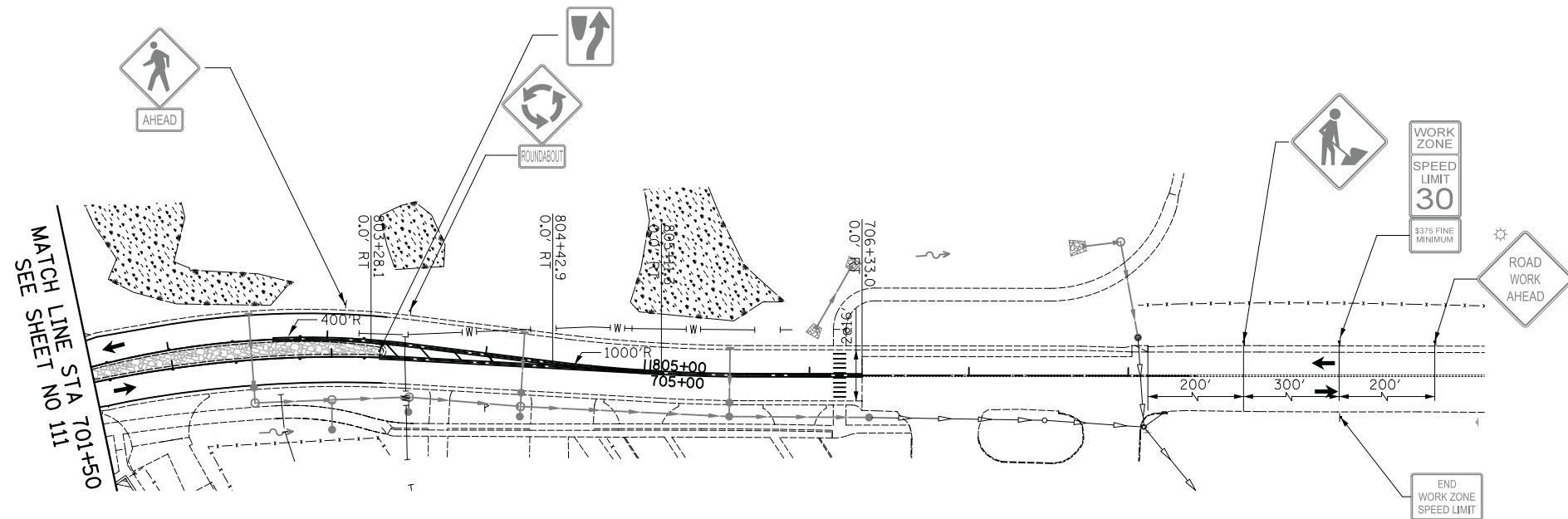
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TEMPLATE	
AREAS CHECKED	
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DUGDALE ROAD

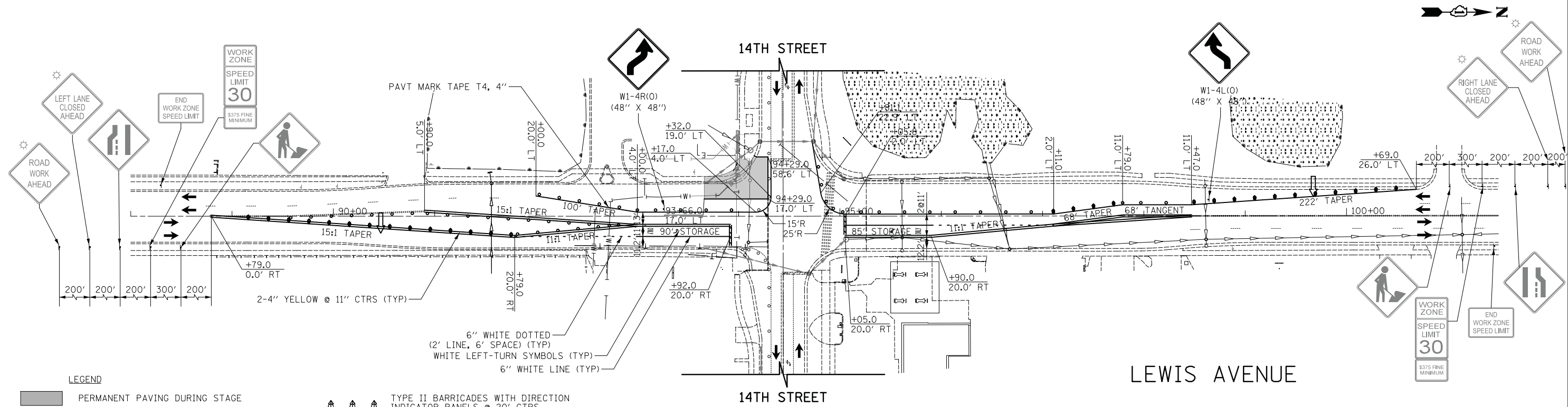
- LEGEND**
- PERMANENT PAVING DURING STAGE
 - TEMPORARY PAVING DURING STAGE
 - PATCHING DURING STAGE
 - PROPOSED STORM SEWER
 - EXISTING STORM SEWER
 - PROPOSED WATER MAIN
 - EXISTING WATER MAIN
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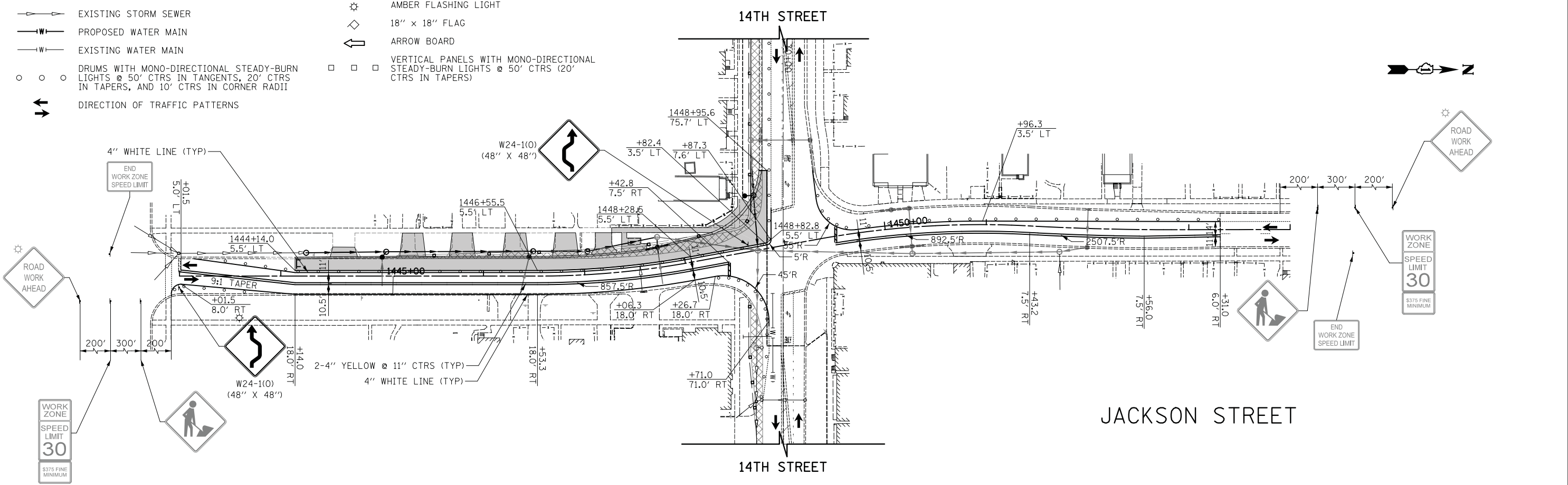
DUGDALE ROAD

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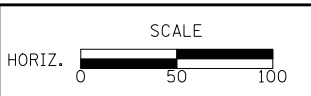
- LEGEND**
- PERMANENT PAVING DURING STAGE
 - TEMPORARY PAVING DURING STAGE
 - PATCHING DURING STAGE
 - PROPOSED STORM SEWER
 - EXISTING STORM SEWER
 - PROPOSED WATER MAIN
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 - DRUMS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS IN TANGENTS, 20' CTRS IN TAPERS, AND 10' CTRS IN CORNER RADII
 - DIRECTION OF TRAFFIC PATTERNS
 - TYPE II BARRICADES WITH DIRECTION INDICATOR PANELS @ 20' CTRS
 - TYPE III BARRICADE WITH FLASHING LIGHTS
 - TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
 - AMBER FLASHING LIGHT
 - 18" x 18" FLAG
 - ARROW BOARD
 - VERTICAL PANELS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS (20' CTRS IN TAPERS)



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 Itasca, Illinois 60143
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CHECKED - JRV	REVISED -
DATE - 11/7/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

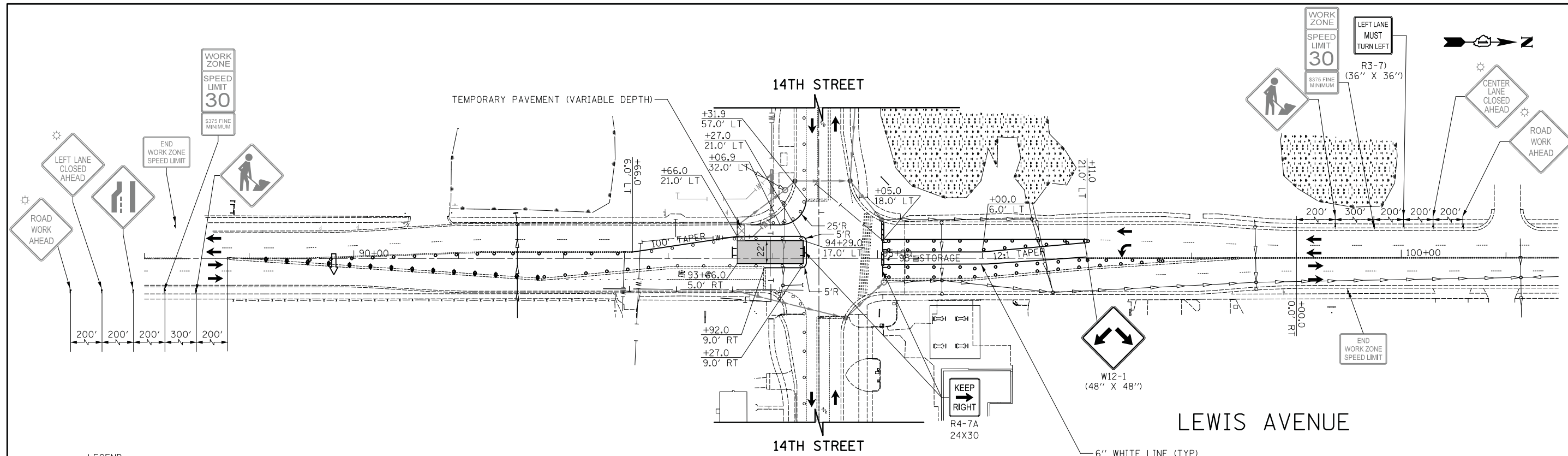


STAGES OF CONSTRUCTION - STAGE IIA
 SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61F33				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

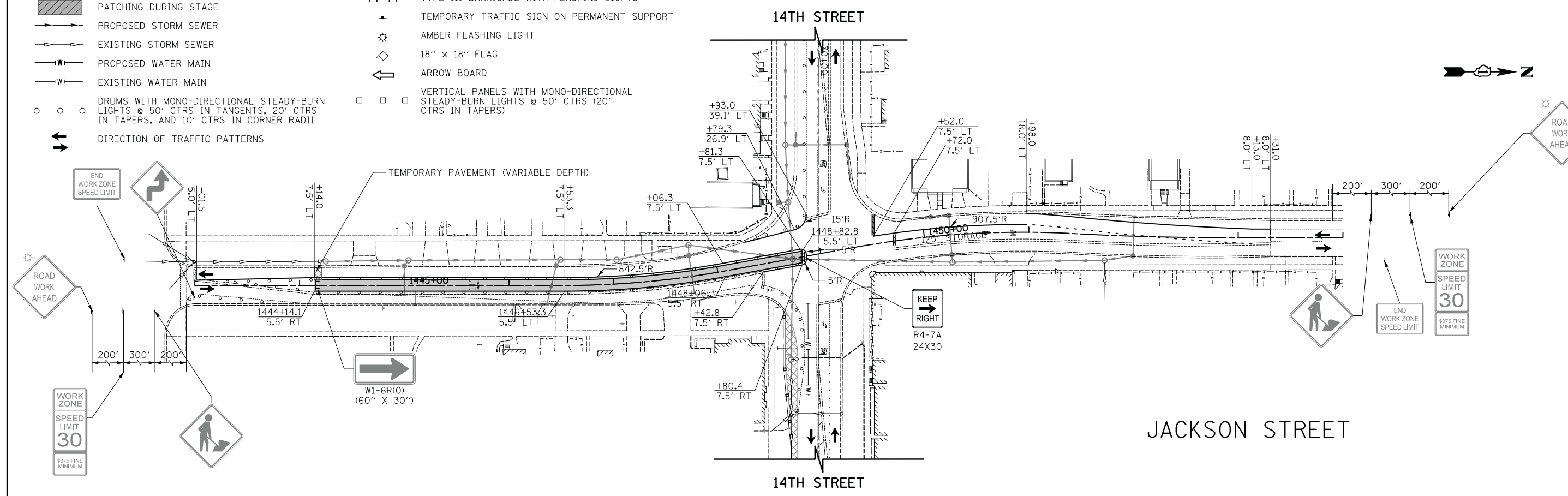
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NOTE BOOK	
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ORIGINAL SURVEY	
NOTE BOOK	
NO.	



LEGEND

- PERMANENT PAVING DURING STAGE
- TEMPORARY PAVING DURING STAGE
- PATCHING DURING STAGE
- PROPOSED STORM SEWER
- EXISTING STORM SEWER
- PROPOSED WATER MAIN
- EXISTING WATER MAIN
- DRUMS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS IN TANGENTS, 20' CTRS IN TAPERS, AND 10' CTRS IN CORNER RADII
- DIRECTION OF TRAFFIC PATTERNS
- TYPE II BARRICADES WITH DIRECTION INDICATOR PANELS @ 20' CTRS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
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- 18" x 18" FLAG
- ARROW BOARD
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DEPARTMENT OF TRANSPORTATION



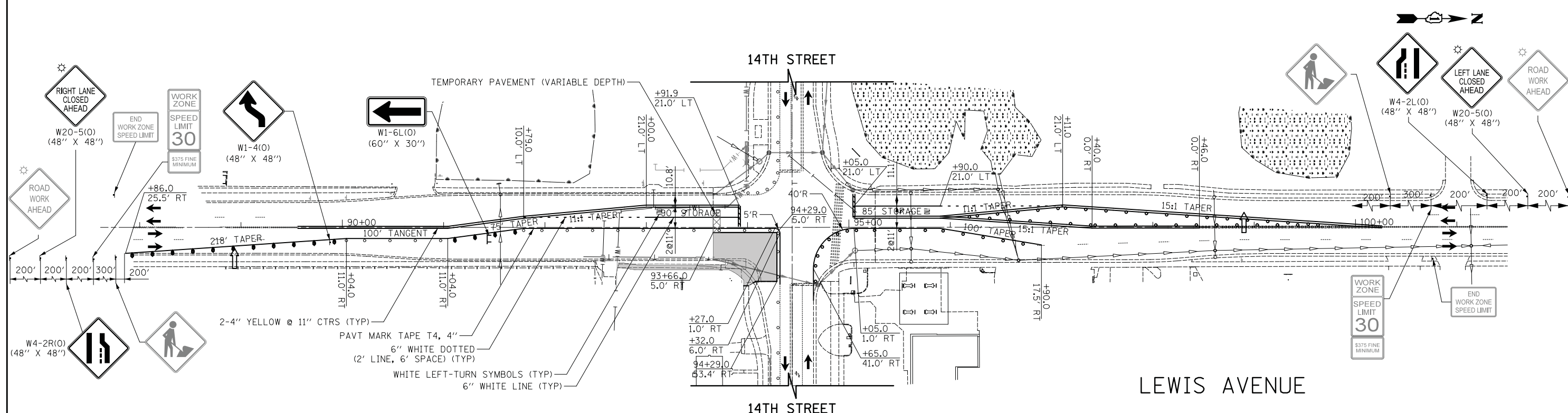
STAGES OF CONSTRUCTION - STAGE IIB

SHEET NO. 1 OF 1 SHEETS STA. TO STA.

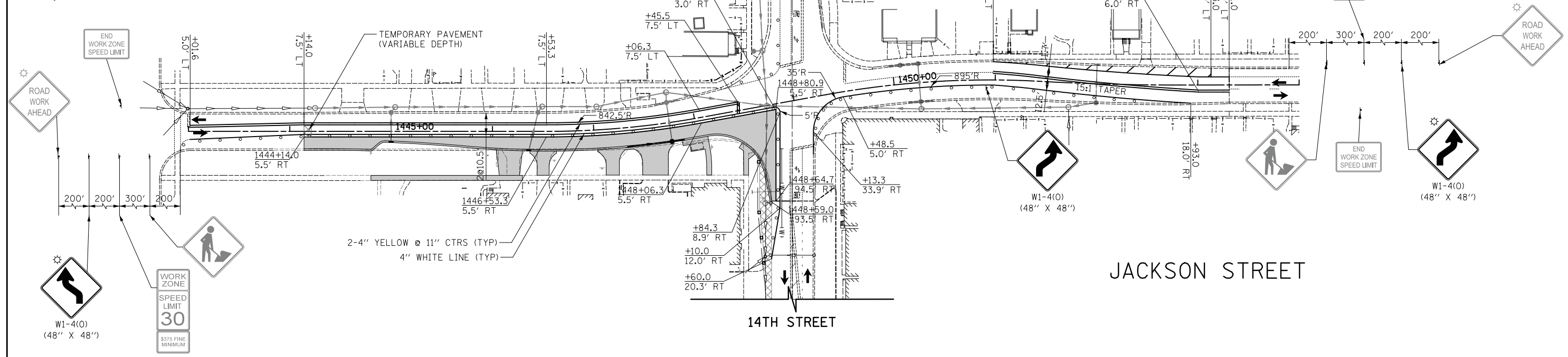
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1228	99-00260-01-WR	LAKE	566	118
CONTRACT NO. 61F33				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

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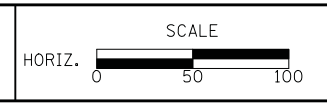
- LEGEND**
- PERMANENT PAVING DURING STAGE
 - TEMPORARY PAVING DURING STAGE
 - PATCHING DURING STAGE
 - PROPOSED STORM SEWER
 - EXISTING STORM SEWER
 - PROPOSED WATER MAIN
 - EXISTING WATER MAIN
 - DRUMS WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS @ 50' CTRS IN TANGENTS, 20' CTRS IN TAPERS, AND 10' CTRS IN CORNER RADII
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DEPARTMENT OF TRANSPORTATION



STAGES OF CONSTRUCTION - STAGE IIC
 SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1228	99-00260-01-WR	LAKE	566	119
CONTRACT NO. 61F33				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

EROSION CONTROL PLAN

LAKE COUNTY

DIVISION OF TRANSPORTATION

SOIL EROSION AND SEDIMENT CONTROL

GENERAL NOTES

- A. Areas or embankments with 2:1 slopes or steeper shall be stabilized with sod or erosion control blanket (special) in combination with seeding.
- B. Any sediment or soil tracked off the site shall be removed by scraping or street sweeping as accumulations warrant and transported to a controlled sediment disposal area. This work will not be paid for separately but shall be included in the contract.
- C. The contractor shall be responsible for returning all existing areas (to remain) affected by construction activities, equipment, or laborers to the original undisturbed conditions. The contractor shall also be responsible for protecting all new work until the completion of the contract.
- D. Perimeter erosion barrier shall be installed at locations specified in the plans at 1 foot outside the toe of slope or inside the right-of-way whichever is closer to the centerline, or as directed by the engineer prior to the start of any earthwork, culvert, or storm sewer construction.
- E. The perimeter erosion barrier shall remain in place until all disturbed areas have been stabilized with vegetation. At this time, the perimeter erosion barrier shall be removed and areas damaged by the perimeter erosion barrier removal shall be included in the pay item of perimeter erosion barrier.
- F. The installation & removal of perimeter erosion barrier shall be paid for under the item of perimeter erosion barrier. Maintenance of perimeter erosion barrier shall be paid for under the item of maintenance of temporary erosion control systems.
- G. Temporary ditch checks shall be constructed according to the standard detail shown on the plans or as directed by the engineer. The ditch checks shall be installed as grading progresses through the project.
- H. All seeded areas shall be covered with erosion control blanket.

THIS PROJECT DISTURBS 21.1 ACRES OF TOTAL LAND AREA. COMPLIANCE WITH THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER PERMIT IS ONLY NECESSARY IF A PROJECT DISTURBS 1.0 OR MORE ACRES OF TOTAL LAND AREA; AN NPDES PERMIT IS REQUIRED FOR THIS PROJECT.

LAKE COUNTY STORMWATER MANAGEMENT COMMISSION

SOIL EROSION AND SEDIMENT CONTROL

CONSTRUCTION NOTES

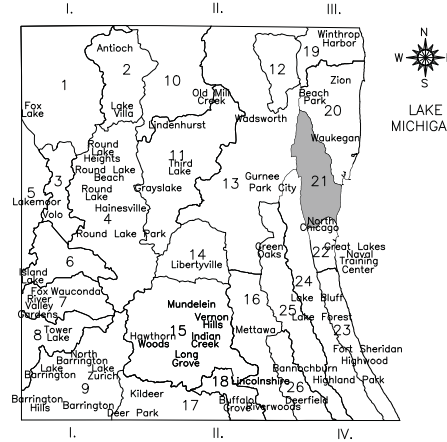
- A. SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
- B. FOR THOSE DEVELOPMENTS THAT REQUIRE A DESIGNATED EROSION CONTROL INSPECTOR (DECI), INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
 - ° UPON COMPLETION OF SEDIMENT AND RUNOFF CONTROL MEASURES (INCLUDING PERIMETER CONTROLS AND DIVERSIONS), PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING.
 - ° AFTER EVERY SEVEN (7) CALENDAR DAYS OR STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
- C. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
- D. A STABILIZED MAT OF CRUSHED STONE MEETING IDOT GRADATION CA-1 UNDERLAIN WITH FILTER FABRIC AND IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL, OR OTHER APPROPRIATE MEASURE(S) AS APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- E. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN.
- F. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR REDISTURBANCE.
- G. ALL STOCKPILES SHALL HAVE APPROPRIATE MEASURES TO PREVENT EROSION. STOCKPILES SHALL NOT BE PLACED IN FLOOD PRONE AREAS OR WETLANDS AND DESIGNATED BUFFERS.
- H. SLOPES STEEPER THAN 3H:1V SHALL BE STABILIZED WITH APPROPRIATE MEASURES AS APPROVED BY THE ENFORCEMENT OFFICER.
- I. APPROPRIATE EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES BETWEEN THE NORMAL WATER LEVEL AND HIGH WATER LEVEL.
- J. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
- K. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DISCHARGES SHALL BE ROUTED THROUGH AN APPROVED ANIONIC POLYMER DEWATERING SYSTEM OR A SIMILAR MEASURE AS APPROVED BY THE ENFORCEMENT OFFICER. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE ENFORCEMENT OFFICER, OR APPROVED REPRESENTATIVE, MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
- L. IF INSTALLED SOIL EROSION AND SEDIMENT CONTROL MEASURES DO NOT MINIMIZE SEDIMENT LEAVING THE DEVELOPMENT SITE, ADDITIONAL MEASURES SUCH AS ANIONIC POLYMERS OR FILTRATION SYSTEMS MAY BE REQUIRED BY THE ENFORCEMENT OFFICER.
- M. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.
- N. ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
- O. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, ENFORCEMENT OFFICER, OR OTHER GOVERNING AGENCY.

NOTE:

1. REFER TO THE LANDSCAPING PLANS FOR PERMANENT SEEDING TYPES.

DRAINAGE BASINS OF LAKE COUNTY

- I. FOX RIVER WATERSHED
 1. Upper Fox River
 2. Sequoit Creek
 3. Fish Lake Drain
 4. Squaw Creek
 5. Lower Fox River
 6. Mutton Creek
 7. Stocum Lake Drain
 8. Tower Lake Drain
 9. Flint Creek
- II. DES PLAINES RIVER WATERSHED
 10. North Mill Creek
 11. Mill Creek
 12. Newport Drainage Ditch
 13. Upper Des Plaines River
 14. Bull Creek
 15. Indian Creek
 16. Lower Des Plaines River
 17. Buffalo Creek
 18. Aptakisic Creek
- III. LAKE MICHIGAN WATERSHED
 19. Kellogg Creek
 20. Dead River
 21. Waukegan River
 22. Pettibone Creek
 23. Bluff/Ravine
- IV. CHICAGO RIVER WATERSHED
 24. Skokie River
 25. Middle Fork
 26. West Fork



ESTIMATED QUANTITIES

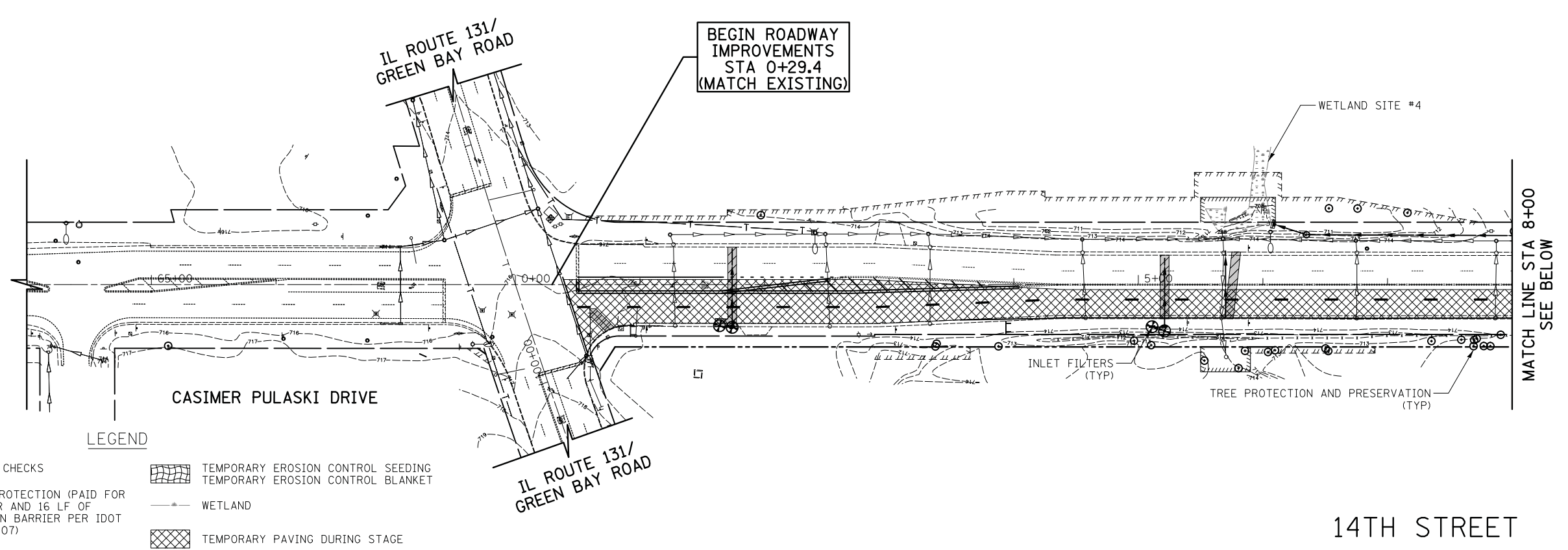
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14,200	FOOT	TEMPORARY FENCE
50	CU YD	EARTH EXCAVATION FOR EROSION CONTROL
3,165	POUND	TEMPORARY EROSION CONTROL SEEDING
28	FOOT	TEMPORARY DITCH CHECKS
10,858	FOOT	PERIMETER EROSION BARRIER
148	EACH	INLET FILTERS
39,440	SQ YD	TEMPORARY EROSION CONTROL BLANKET
70	SQ YD	EROSION CONTROL MAT (AKA - TEMPORARY HEAVY DUTY EROSION CONTROL BLANKET)
19	TON	STONE RIPRAP, CLASS A3
43	SQ YD	FILTER FABRIC
300	EACH	FLOCCULATION LOGS
10	POUND	FLOCCULATION POWDER

DATE		BY	

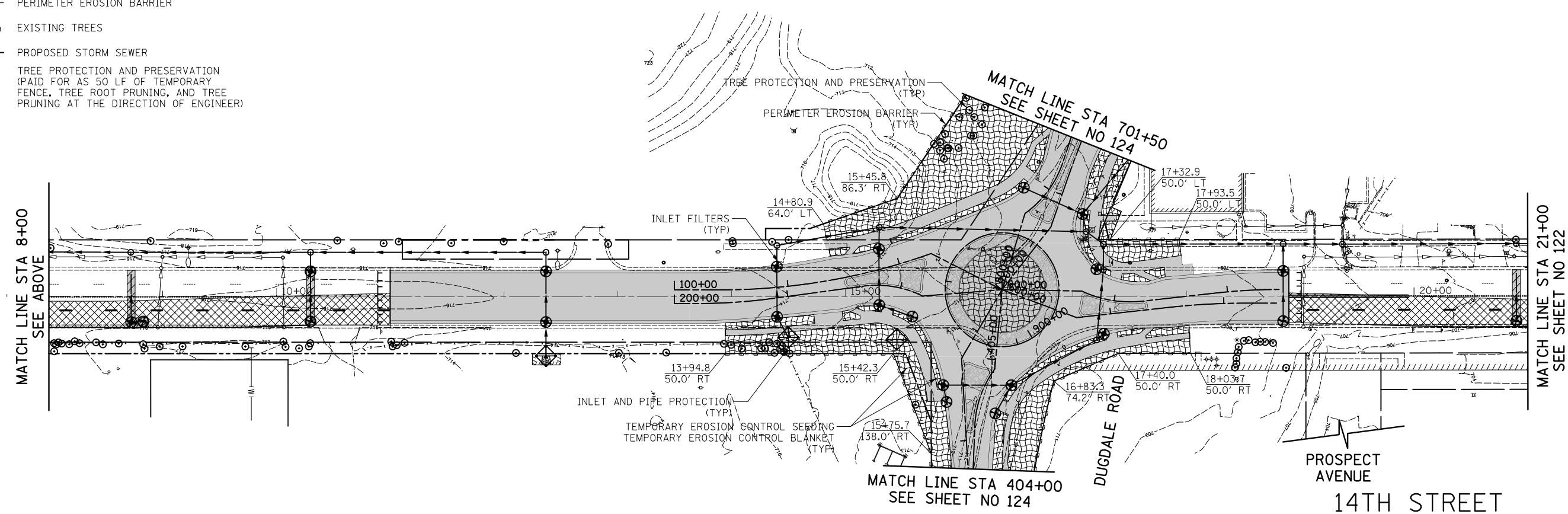
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- LEGEND**
- TEMPORARY DITCH CHECKS
 - INLET AND PIPE PROTECTION (PAID FOR AS 1 INLET FILTER AND 16 LF OF PERIMETER EROSION BARRIER PER IDOT STANDARD 280001-07)
 - INLET FILTERS
 - PERIMETER EROSION BARRIER
 - EXISTING TREES
 - PROPOSED STORM SEWER
 - TREE PROTECTION AND PRESERVATION (PAID FOR AS 50 LF OF TEMPORARY FENCE, TREE ROOT PRUNING, AND TREE PRUNING AT THE DIRECTION OF ENGINEER)
 - TEMPORARY EROSION CONTROL SEEDING
 - TEMPORARY EROSION CONTROL BLANKET
 - WETLAND
 - TEMPORARY PAVING DURING STAGE



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

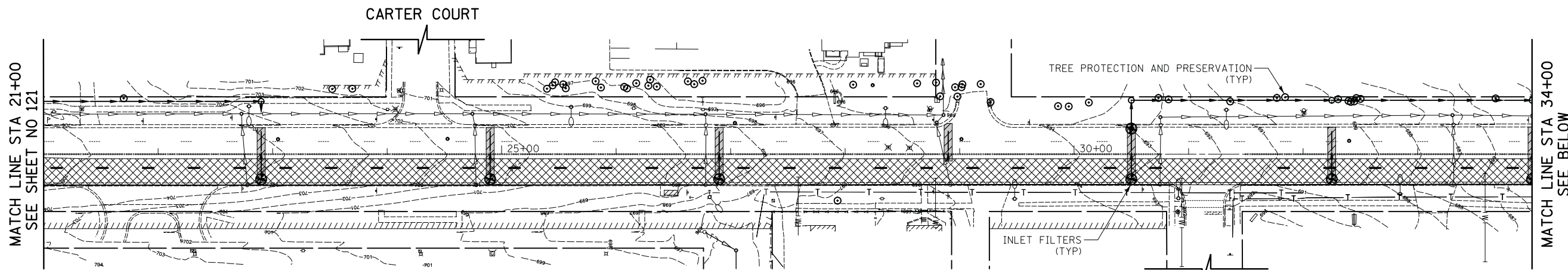


EROSION CONTROL PLANS - PRESTAGE
 SHEET NO. 1 OF 5 SHEETS STA. 64+53.1 TO STA. 21+00.0

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1228	99-00260-01-WR	LAKE	566	121
CONTRACT NO. 61F33				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

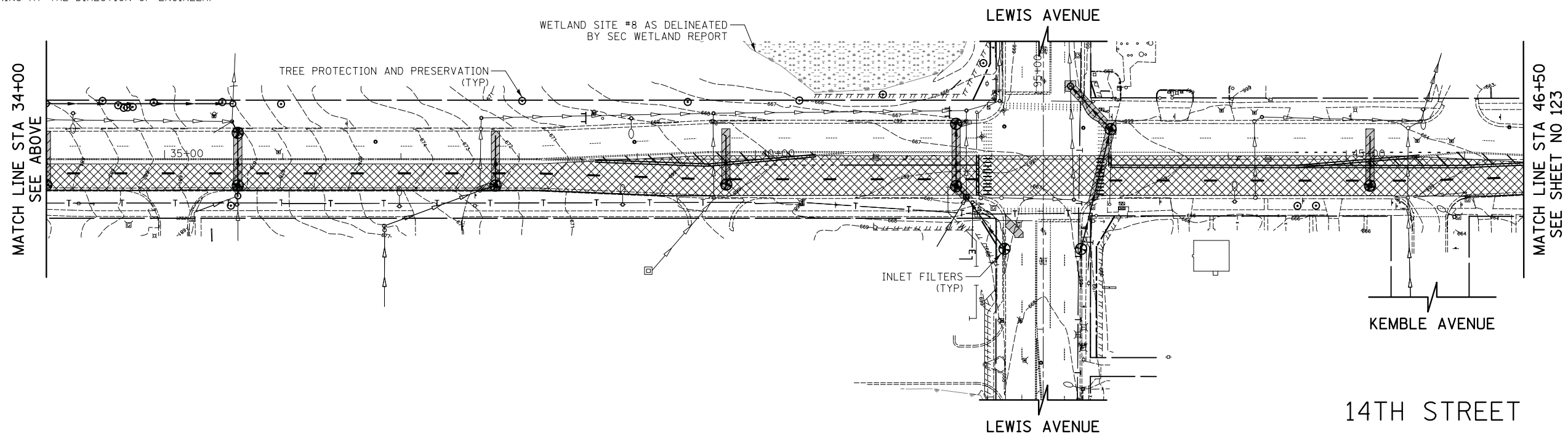
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LEGEND

- TEMPORARY DITCH CHECKS
- INLET AND PIPE PROTECTION (PAID FOR AS 1 INLET FILTER AND 16 LF OF PERIMETER EROSION BARRIER PER IDOT STANDARD 280001-07)
- INLET FILTERS
- PERIMETER EROSION BARRIER
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- TREE PROTECTION AND PRESERVATION (PAID FOR AS 50 LF OF TEMPORARY FENCE, TREE ROOT PRUNING, AND TREE PRUNING AT THE DIRECTION OF ENGINEER)
- TEMPORARY EROSION CONTROL SEEDING
- TEMPORARY EROSION CONTROL BLANKET
- WETLAND
- TEMPORARY PAVING DURING STAGE



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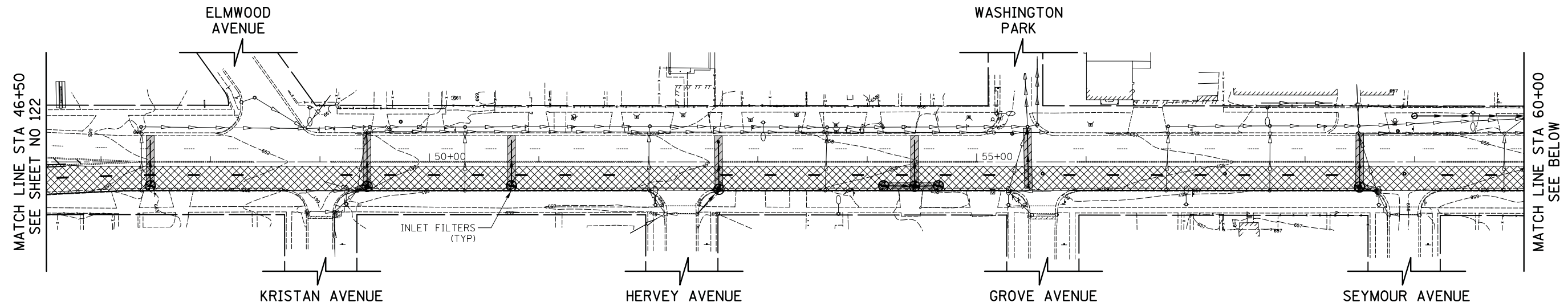
EROSION CONTROL PLANS - PRESTAGE

SHEET NO. 2 OF 5 SHEETS STA. 21+00.0 TO STA. 46+50.0

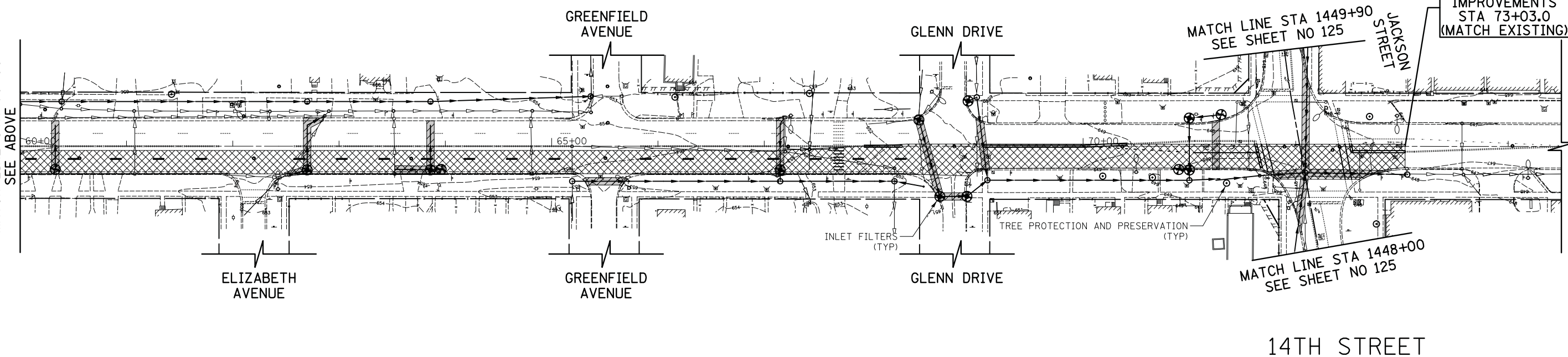
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1228	99-00260-01-WR	LAKE	566	122
CONTRACT NO. 61F33				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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- LEGEND**
- TEMPORARY DITCH CHECKS
 - INLET AND PIPE PROTECTION (PAID FOR AS 1 INLET FILTER AND 16 LF OF PERIMETER EROSION BARRIER PER IDOT STANDARD 280001-07)
 - INLET FILTERS
 - PERIMETER EROSION BARRIER
 - EXISTING TREES
 - PROPOSED STORM SEWER
 - TREE PROTECTION AND PRESERVATION (PAID FOR AS 50 LF OF TEMPORARY FENCE, TREE ROOT PRUNING, AND TREE PRUNING AT THE DIRECTION OF ENGINEER)
 - TEMPORARY EROSION CONTROL SEEDING
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 - WETLAND
 - TEMPORARY PAVING DURING STAGE



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STATE OF ILLINOIS
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EROSION CONTROL PLANS - PRESTAGE

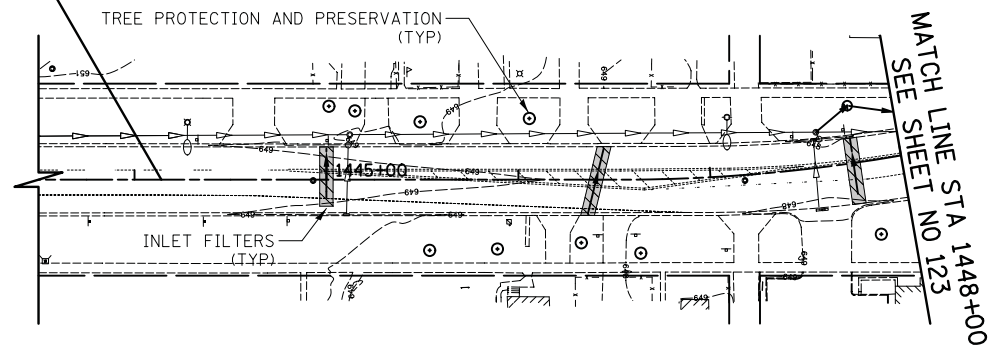
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1228	99-00260-01-WR	LAKE	566	123
CONTRACT NO. 61F33				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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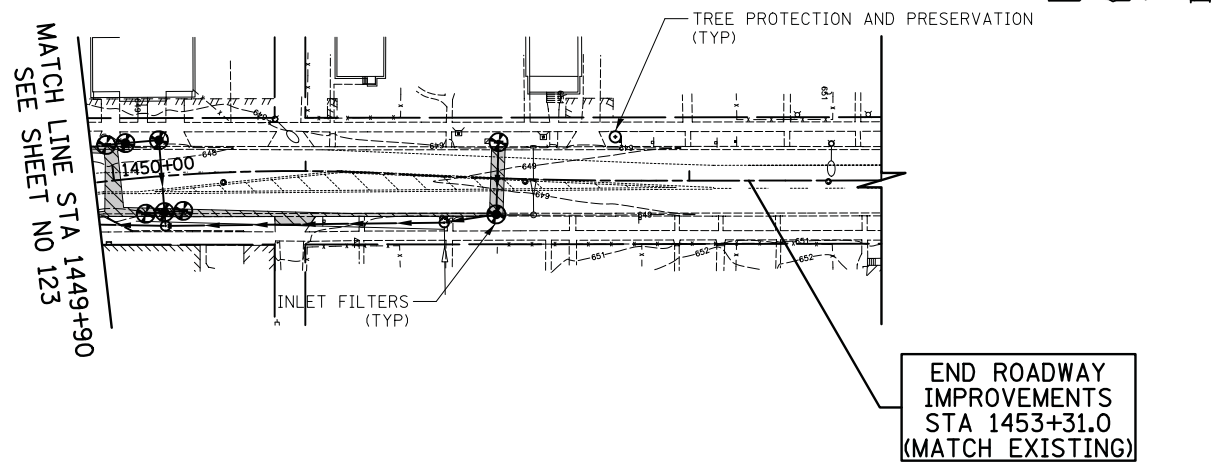
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LEGEND

- TEMPORARY DITCH CHECKS
- INLET AND PIPE PROTECTION (PAID FOR AS 1 INLET FILTER AND 16 LF OF PERIMETER EROSION BARRIER PER IDOT STANDARD 280001-07)
- INLET FILTERS
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- EXISTING TREES
- PROPOSED STORM SEWER
- TREE PROTECTION AND PRESERVATION (PAID FOR AS 50 LF OF TEMPORARY FENCE, TREE ROOT PRUNING, AND TREE PRUNING AT THE DIRECTION OF ENGINEER)
- TEMPORARY EROSION CONTROL SEEDING
- TEMPORARY EROSION CONTROL BLANKET
- WETLAND
- TEMPORARY PAVING DURING STAGE

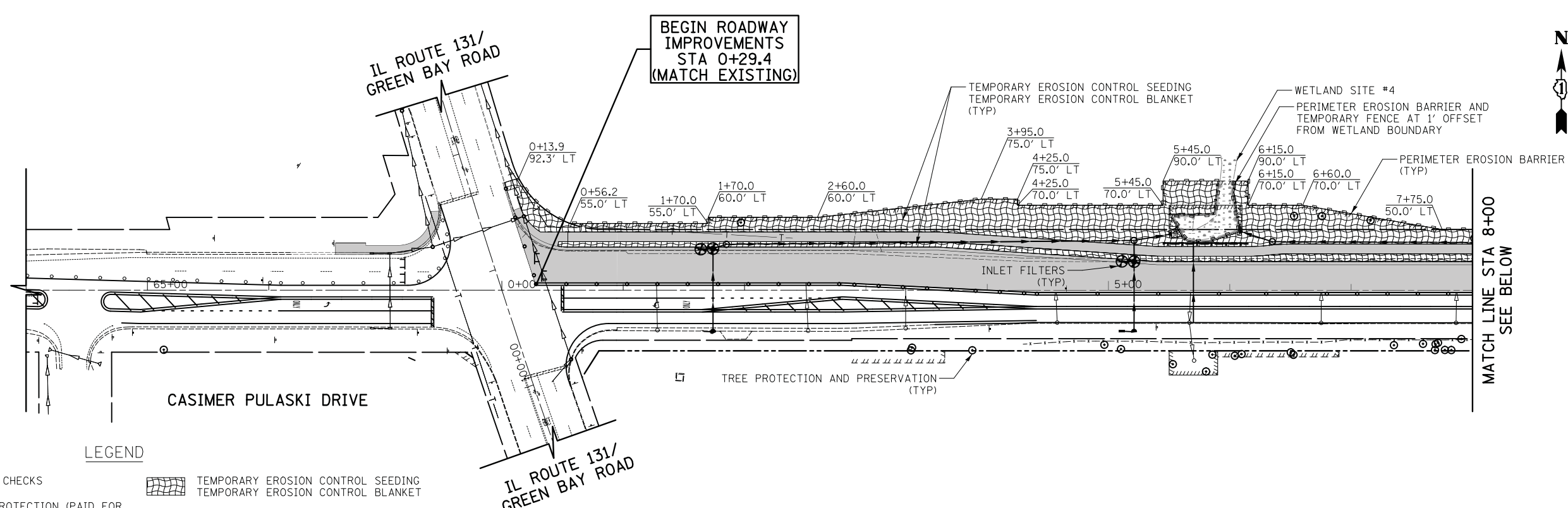
JACKSON STREET



JACKSON STREET

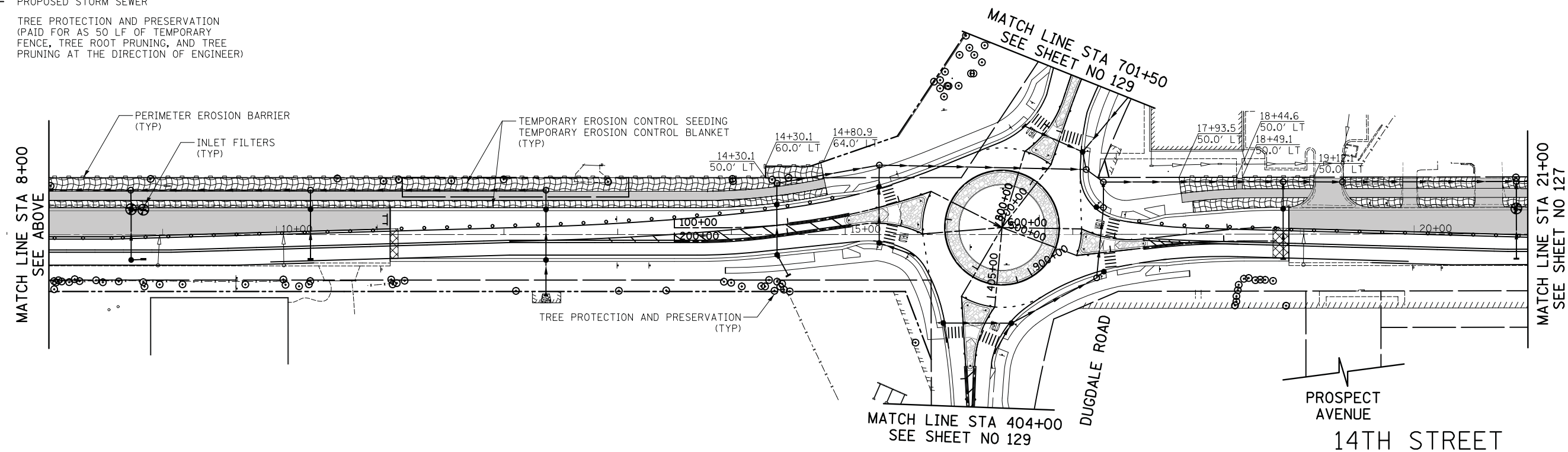
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LEGEND

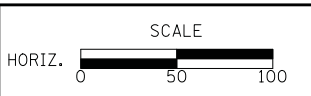
- ⊕ TEMPORARY DITCH CHECKS
- ⊕ INLET AND PIPE PROTECTION (PAID FOR AS 1 INLET FILTER AND 16 LF OF PERIMETER EROSION BARRIER PER IDOT STANDARD 280001-07)
- ⊕ INLET FILTERS
- PERIMETER EROSION BARRIER
- ⊕ EXISTING TREES
- PROPOSED STORM SEWER
- ⊕ TREE PROTECTION AND PRESERVATION (PAID FOR AS 50 LF OF TEMPORARY FENCE, TREE ROOT PRUNING, AND TREE PRUNING AT THE DIRECTION OF ENGINEER)
- ▨ TEMPORARY EROSION CONTROL SEEDING
- ▨ TEMPORARY EROSION CONTROL BLANKET
- WETLAND
- ▨ TEMPORARY PAVING DURING STAGE



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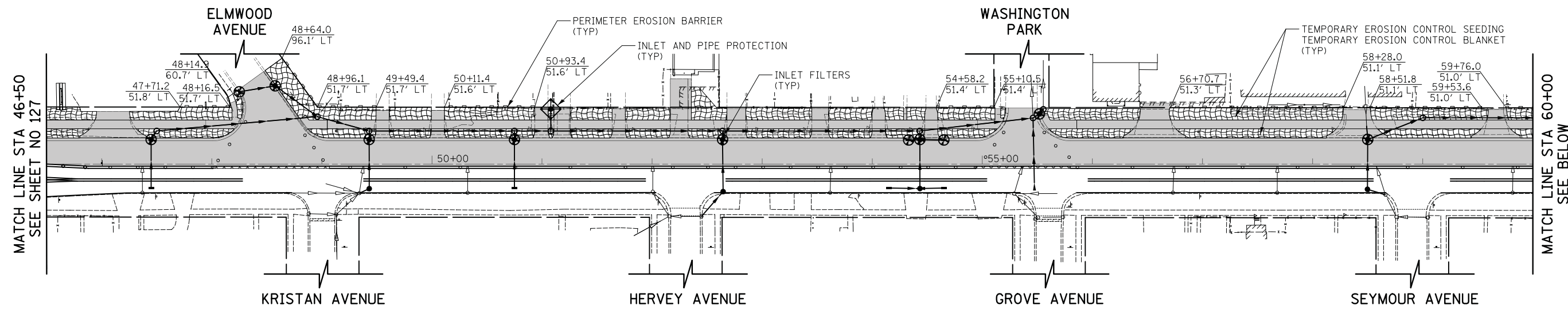


EROSION CONTROL PLANS - STAGE I
 SHEET NO. 1 OF 5 SHEETS STA. 64+53.1 TO STA. 21+00.0

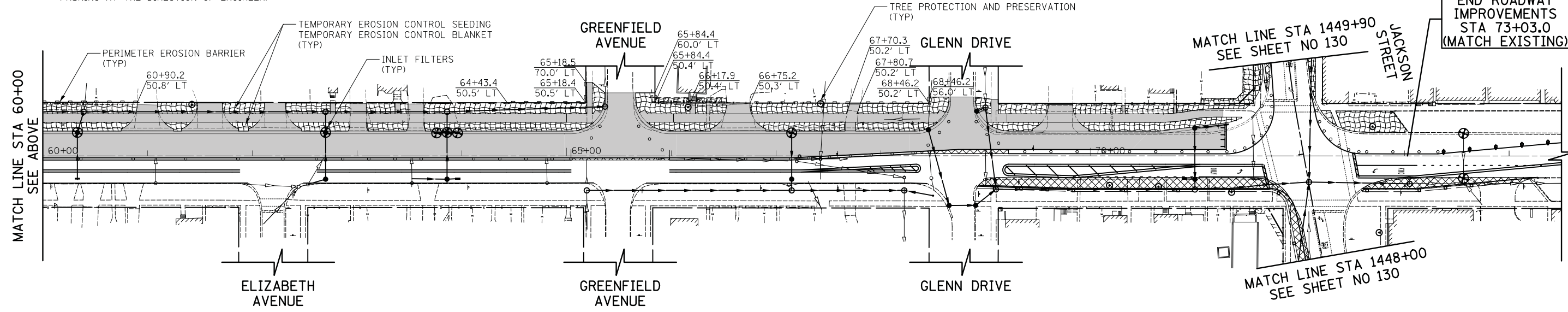
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1228	99-00260-01-WR	LAKE	566	126
				CONTRACT NO. 61F33
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

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TEMPLATE	
AREAS CHECKED	
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ORIGINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	
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- LEGEND**
- TEMPORARY DITCH CHECKS
 - INLET AND PIPE PROTECTION (PAID FOR AS 1 INLET FILTER AND 16 LF OF PERIMETER EROSION BARRIER PER IDOT STANDARD 280001-07)
 - INLET FILTERS
 - PERIMETER EROSION BARRIER
 - EXISTING TREES
 - PROPOSED STORM SEWER
 - TREE PROTECTION AND PRESERVATION (PAID FOR AS 50 LF OF TEMPORARY FENCE, TREE ROOT PRUNING, AND TREE PRUNING AT THE DIRECTION OF ENGINEER)
 - TEMPORARY EROSION CONTROL SEEDING
TEMPORARY EROSION CONTROL BLANKET
 - WETLAND
 - TEMPORARY PAVING DURING STAGE



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 Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
 Tel: 630.773.3900 Fax: 630.773.3975
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DATE - 11/7/2018	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

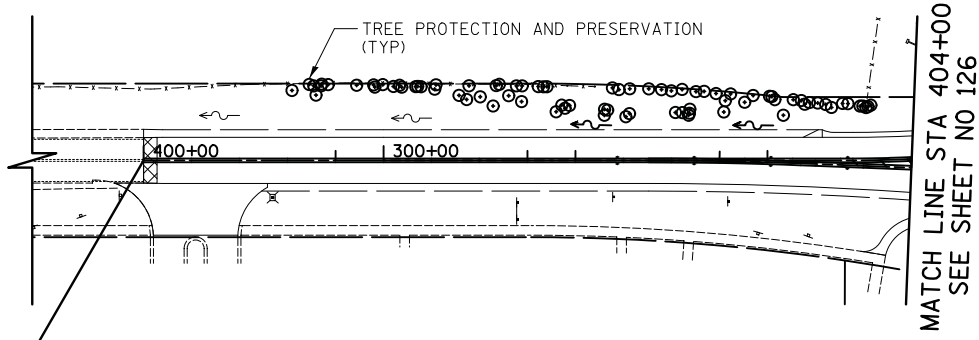


EROSION CONTROL PLANS - STAGE I
 SHEET NO. 3 OF 5 SHEETS STA. 46+50.0 TO STA. 74+00.0

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1228	99-00260-01-WR	LAKE	566	128
				CONTRACT NO. 61F33
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	BY
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	BY
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
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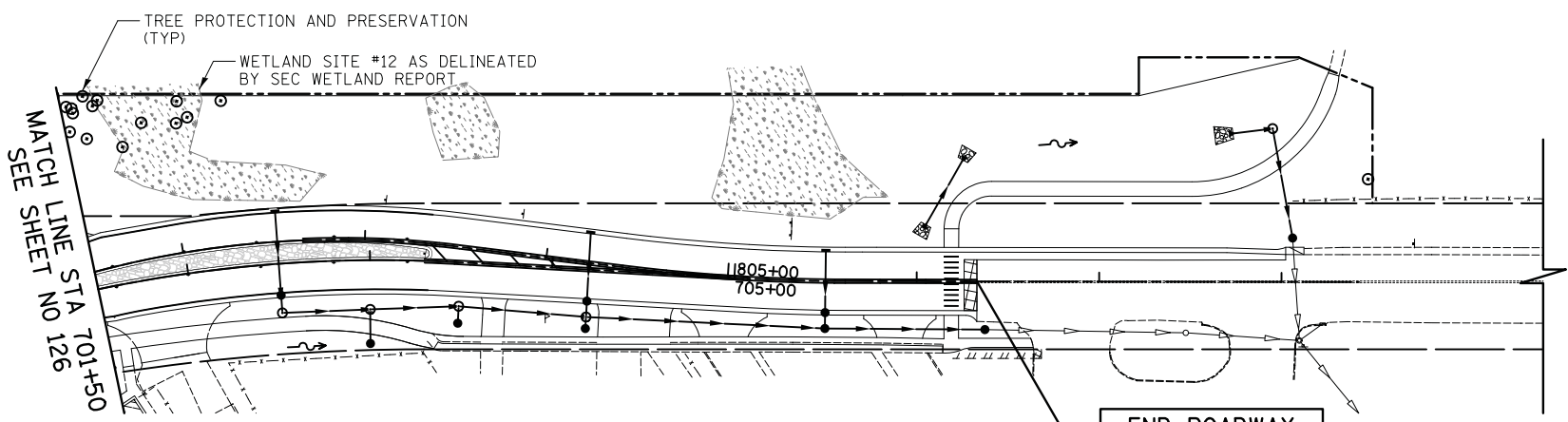
**BEGIN ROADWAY IMPROVEMENTS
STA 400+00.0
(MATCH EXISTING)**

**MATCH LINE STA 404+00
SEE SHEET NO 126**

LEGEND

- ◇ TEMPORARY DITCH CHECKS
- ◇ INLET AND PIPE PROTECTION (PAID FOR AS 1 INLET FILTER AND 16 LF OF PERIMETER EROSION BARRIER PER IDOT STANDARD 280001-07)
- ⊕ INLET FILTERS
- PERIMETER EROSION BARRIER
- ⊙ EXISTING TREES
- PROPOSED STORM SEWER
- ⊙ TREE PROTECTION AND PRESERVATION (PAID FOR AS 50 LF OF TEMPORARY FENCE, TREE ROOT PRUNING, AND TREE PRUNING AT THE DIRECTION OF ENGINEER)
- ▨ TEMPORARY EROSION CONTROL SEEDING
- ▩ TEMPORARY EROSION CONTROL BLANKET
- * WETLAND
- ▧ TEMPORARY PAVING DURING STAGE

DUGDALE ROAD



**END ROADWAY IMPROVEMENTS
STA 706+33.0
(MATCH EXISTING)**

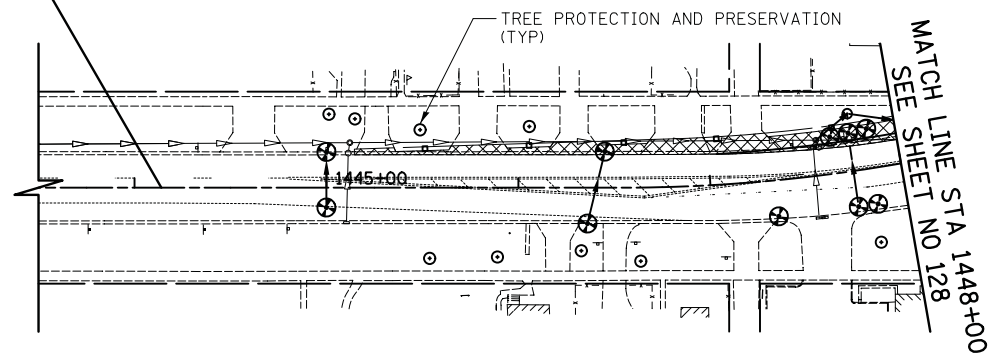
**MATCH LINE STA 701+50
SEE SHEET NO 126**

DUGDALE ROAD

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
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DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
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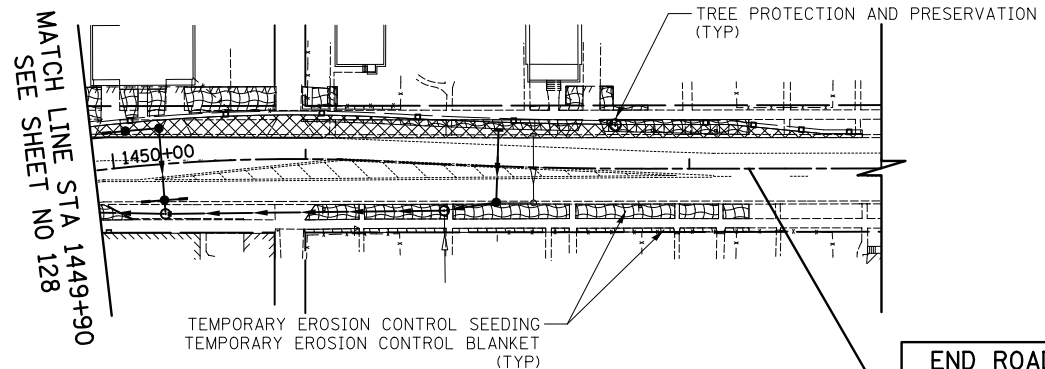
BEGIN ROADWAY IMPROVEMENTS
STA 1444+14.0
(MATCH EXISTING)



LEGEND

- TEMPORARY DITCH CHECKS
- TEMPORARY EROSION CONTROL SEEDING
- TEMPORARY EROSION CONTROL BLANKET
- INLET AND PIPE PROTECTION (PAID FOR AS 1 INLET FILTER AND 16 LF OF PERIMETER EROSION BARRIER PER IDOT STANDARD 280001-07)
- WETLAND
- INLET FILTERS
- TEMPORARY PAVING DURING STAGE
- PERIMETER EROSION BARRIER
- EXISTING TREES
- PROPOSED STORM SEWER
- TREE PROTECTION AND PRESERVATION (PAID FOR AS 50 LF OF TEMPORARY FENCE, TREE ROOT PRUNING, AND TREE PRUNING AT THE DIRECTION OF ENGINEER)

JACKSON STREET



END ROADWAY IMPROVEMENTS
STA 1453+31.0
(MATCH EXISTING)

JACKSON STREET



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Tel: 630.773.3900 Fax: 630.773.3975
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



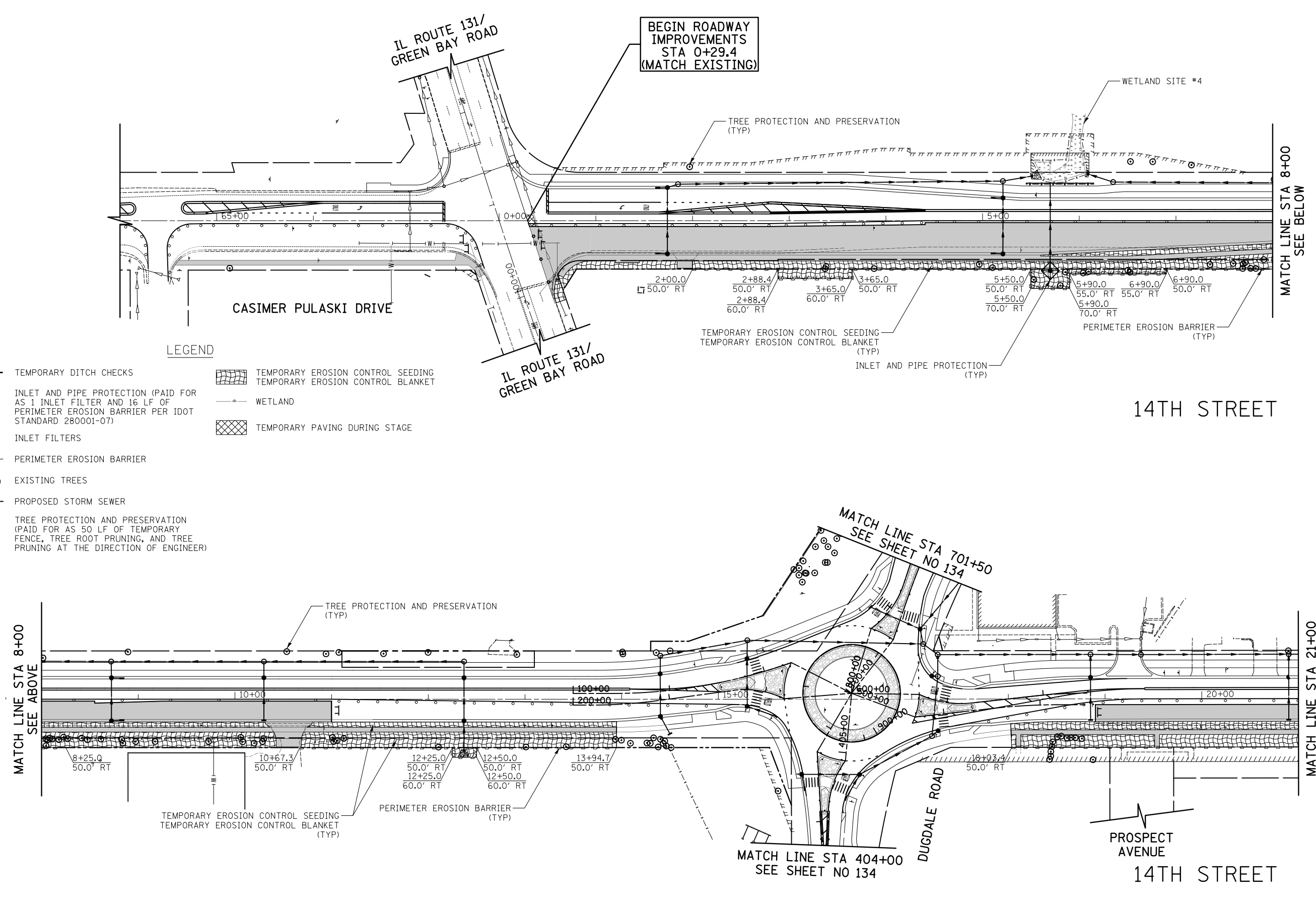
EROSION CONTROL PLANS - STAGE I
SHEET NO. 5 OF 5 SHEETS STA. 1444+14.0 TO STA. 1453+31.0

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1228	99-00260-01-WR	LAKE	566	130
CONTRACT NO. 61F33				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

- LEGEND**
- TEMPORARY DITCH CHECKS
 - INLET AND PIPE PROTECTION (PAID FOR AS 1 INLET FILTER AND 16 LF OF PERIMETER EROSION BARRIER PER IDOT STANDARD 280001-07)
 - INLET FILTERS
 - PERIMETER EROSION BARRIER
 - EXISTING TREES
 - PROPOSED STORM SEWER
 - TREE PROTECTION AND PRESERVATION (PAID FOR AS 50 LF OF TEMPORARY FENCE, TREE ROOT PRUNING, AND TREE PRUNING AT THE DIRECTION OF ENGINEER)
 - TEMPORARY EROSION CONTROL SEEDING
 - TEMPORARY EROSION CONTROL BLANKET
 - WETLAND
 - TEMPORARY PAVING DURING STAGE



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



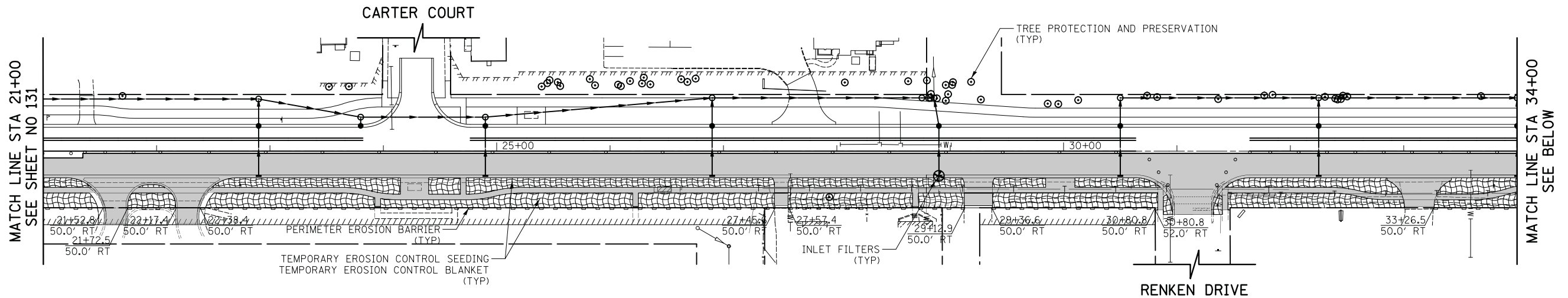
EROSION CONTROL PLANS - STAGE II

SHEET NO. 1 OF 5 SHEETS STA. 64+53.1 TO STA. 21+00.0

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1228	99-00260-01-WR	LAKE	566	131
CONTRACT NO. 61F33				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

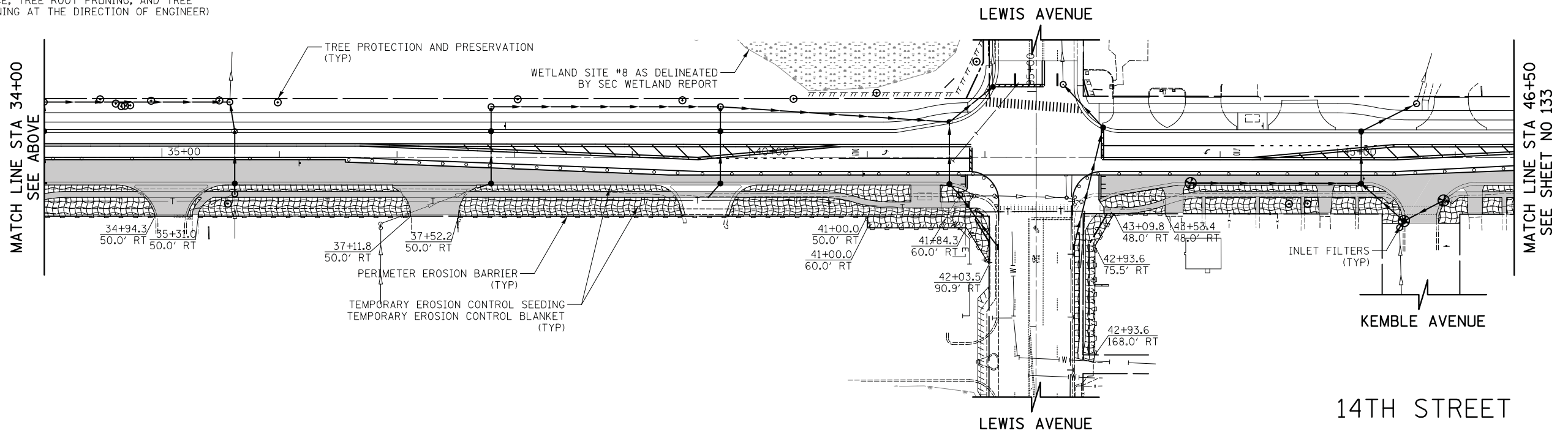
DATE	
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TEMPLATE	
AREAS CHECKED	
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TEMPLATE	
AREAS CHECKED	
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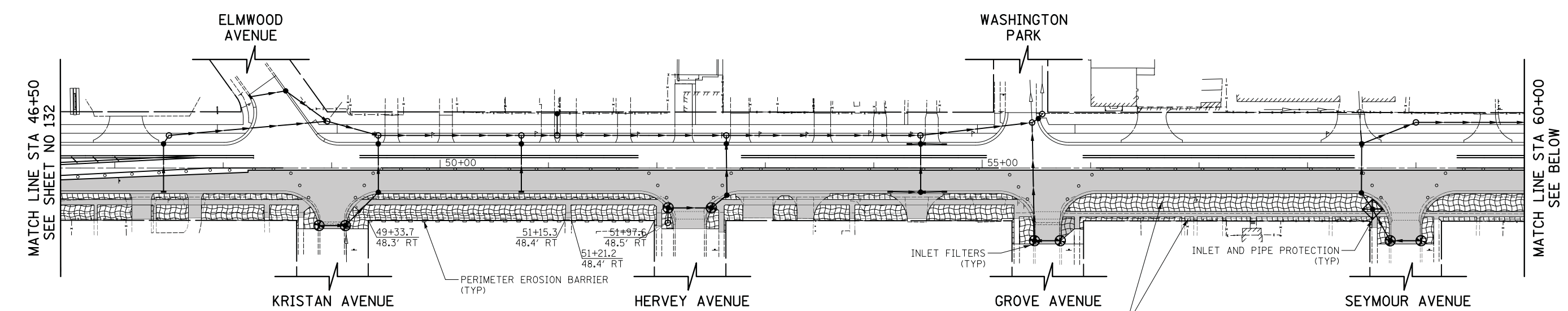
LEGEND

- TEMPORARY DITCH CHECKS
- INLET AND PIPE PROTECTION (PAID FOR AS 1 INLET FILTER AND 16 LF OF PERIMETER EROSION BARRIER PER IDOT STANDARD 280001-07)
- INLET FILTERS
- PERIMETER EROSION BARRIER
- EXISTING TREES
- PROPOSED STORM SEWER
- TREE PROTECTION AND PRESERVATION (PAID FOR AS 50 LF OF TEMPORARY FENCE, TREE ROOT PRUNING, AND TREE PRUNING AT THE DIRECTION OF ENGINEER)
- TEMPORARY EROSION CONTROL SEEDING
- TEMPORARY EROSION CONTROL BLANKET
- WETLAND
- TEMPORARY PAVING DURING STAGE

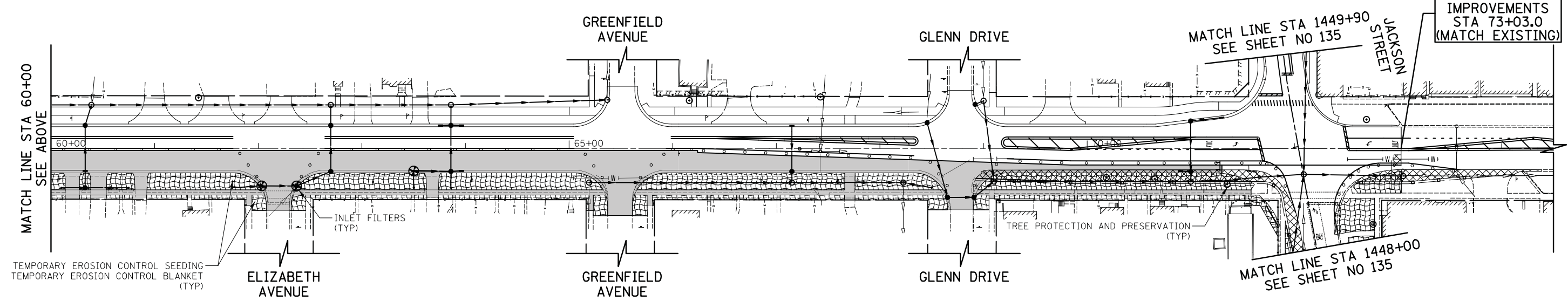


BY	DATE
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TEMPLATE	
AREAS CHECKED	
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BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
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- LEGEND**
- TEMPORARY DITCH CHECKS
 - INLET AND PIPE PROTECTION (PAID FOR AS 1 INLET FILTER AND 16 LF OF PERIMETER EROSION BARRIER PER IDOT STANDARD 280001-07)
 - INLET FILTERS
 - PERIMETER EROSION BARRIER
 - EXISTING TREES
 - PROPOSED STORM SEWER
 - TREE PROTECTION AND PRESERVATION (PAID FOR AS 50 LF OF TEMPORARY FENCE, TREE ROOT PRUNING, AND TREE PRUNING AT THE DIRECTION OF ENGINEER)
 - TEMPORARY EROSION CONTROL SEEDING
 - TEMPORARY EROSION CONTROL BLANKET
 - WETLAND
 - TEMPORARY PAVING DURING STAGE

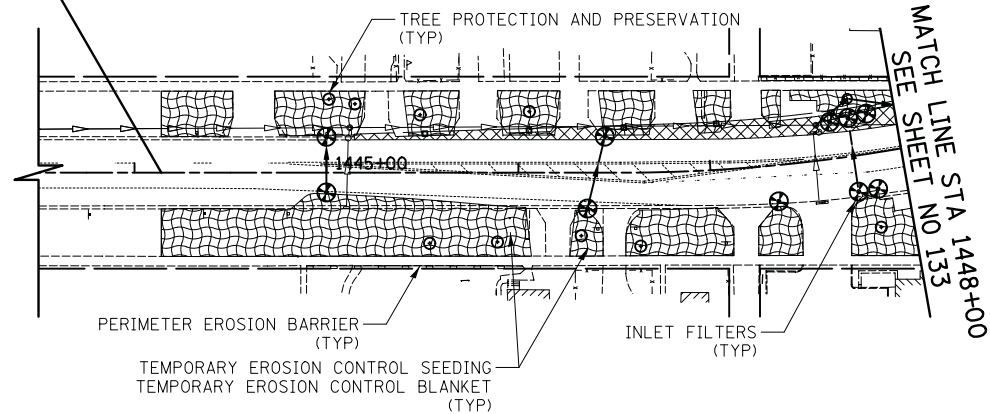


END ROADWAY IMPROVEMENTS STA 73+03.0 (MATCH EXISTING)

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINISH SURVEY	
NOTE BOOK	
NO.	

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

BEGIN ROADWAY IMPROVEMENTS STA 1444+14.0 (MATCH EXISTING)

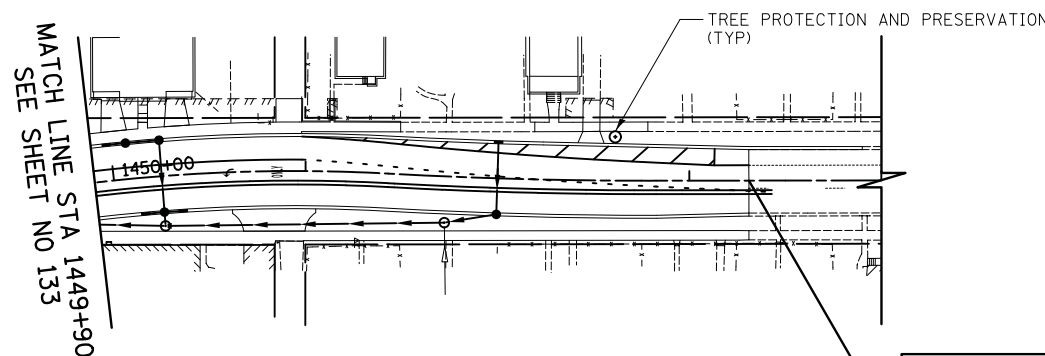


MATCH LINE STA 1448+00 SEE SHEET NO 133

LEGEND

- ◇ TEMPORARY DITCH CHECKS
- ◇ INLET AND PIPE PROTECTION (PAID FOR AS 1 INLET FILTER AND 16 LF OF PERIMETER EROSION BARRIER PER IDOT STANDARD 280001-07)
- ⊕ INLET FILTERS
- PERIMETER EROSION BARRIER
- ⊙ EXISTING TREES
- PROPOSED STORM SEWER
- ⊙ TREE PROTECTION AND PRESERVATION (PAID FOR AS 50 LF OF TEMPORARY FENCE, TREE ROOT PRUNING, AND TREE PRUNING AT THE DIRECTION OF ENGINEER)
- ▨ TEMPORARY EROSION CONTROL SEEDING
- ▨ TEMPORARY EROSION CONTROL BLANKET
- *— WETLAND
- ▩ TEMPORARY PAVING DURING STAGE

JACKSON STREET



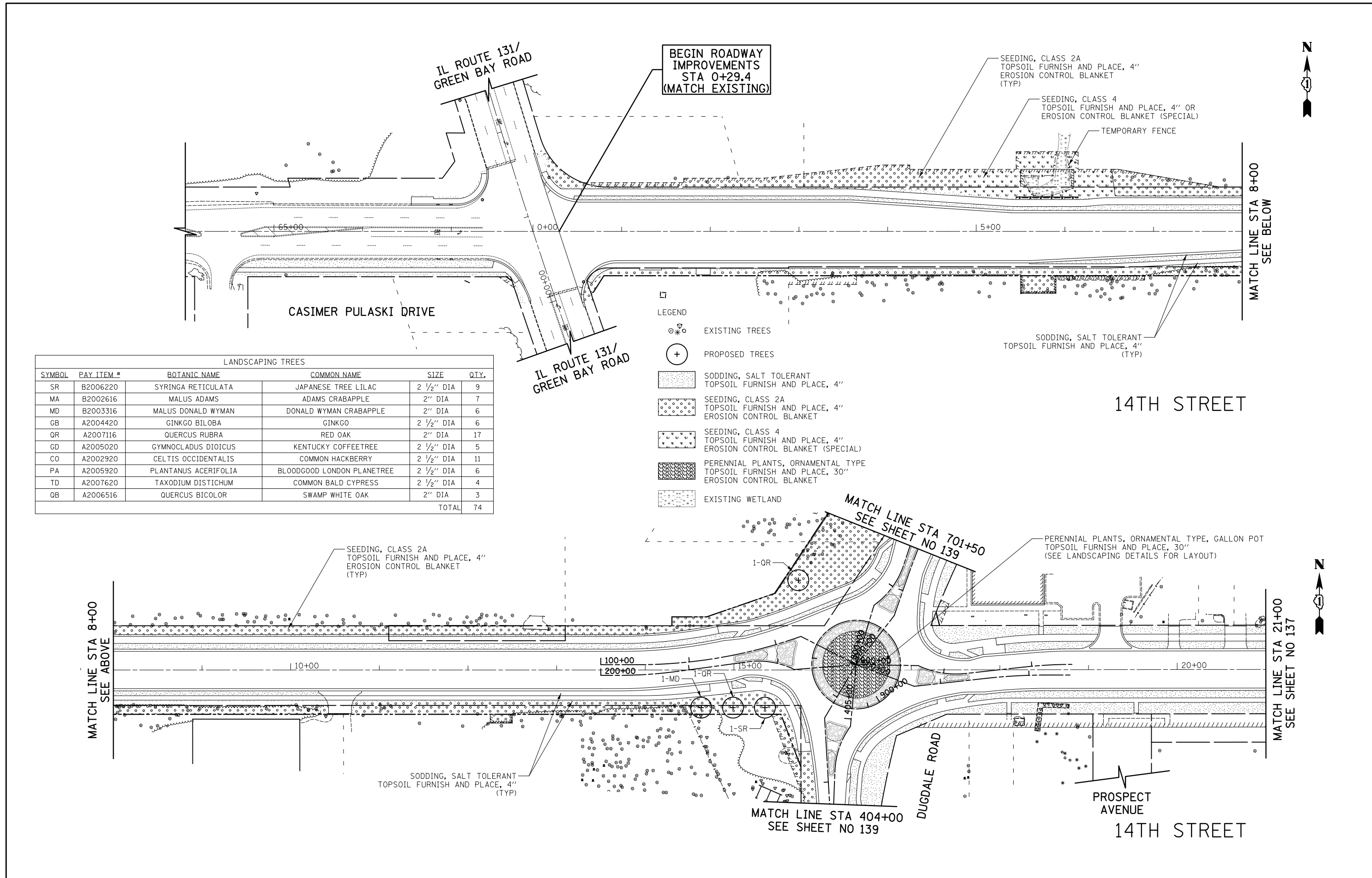
MATCH LINE STA 1449+90 SEE SHEET NO 133

END ROADWAY IMPROVEMENTS STA 1453+31.0 (MATCH EXISTING)

JACKSON STREET

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINISH SURVEY	
NOTE BOOK	
NO.	








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AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
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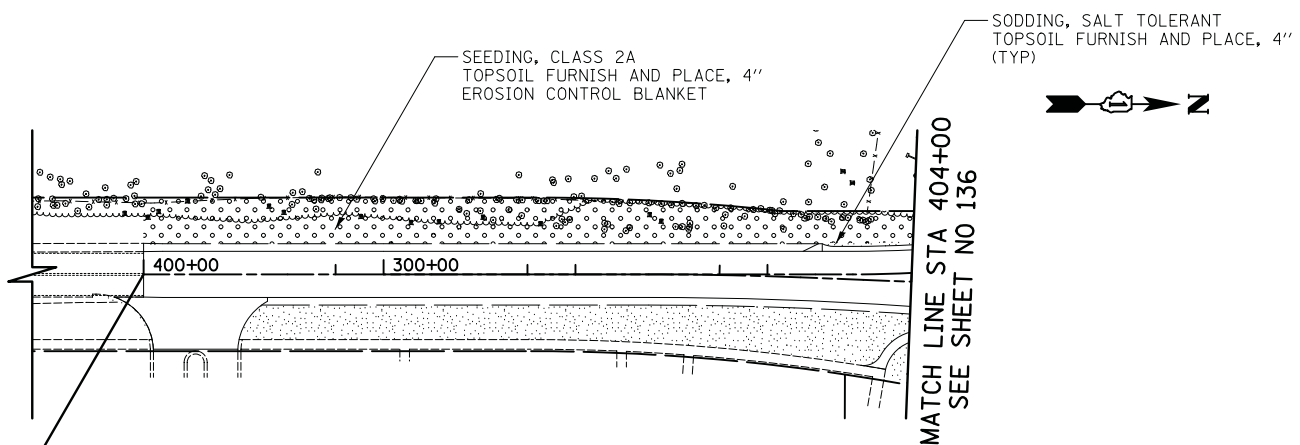
LANDSCAPING TREES					
SYMBOL	PAY ITEM #	BOTANIC NAME	COMMON NAME	SIZE	QTY.
SR	B2006220	SYRINGA RETICULATA	JAPANESE TREE LILAC	2 1/2" DIA	9
MA	B2002616	MALUS ADAMS	ADAMS CRABAPPLE	2" DIA	7
MD	B2003316	MALUS DONALD WYMAN	DONALD WYMAN CRABAPPLE	2" DIA	6
GB	A2004420	GINKGO BILOBA	GINKGO	2 1/2" DIA	6
OR	A2007116	QUERCUS RUBRA	RED OAK	2" DIA	17
GD	A2005020	GYMNOCLADUS DIOICUS	KENTUCKY COFFEETREE	2 1/2" DIA	5
CO	A2002920	CELTIS OCCIDENTALIS	COMMON HACKBERRY	2 1/2" DIA	11
PA	A2005920	PLANTANUS ACERIFOLIA	BLOODGOOD LONDON PLANETREE	2 1/2" DIA	6
TD	A2007620	TAXODIUM DISTICHUM	COMMON BALD CYPRESS	2 1/2" DIA	4
OB	A2006516	QUERCUS BICOLOR	SWAMP WHITE OAK	2" DIA	3
TOTAL					74

- LEGEND**
- ⊗ EXISTING TREES
 - ⊕ PROPOSED TREES
 - [Pattern] SODDING, SALT TOLERANT TOPSOIL FURNISH AND PLACE, 4"
 - [Pattern] SEEDING, CLASS 2A TOPSOIL FURNISH AND PLACE, 4" EROSION CONTROL BLANKET
 - [Pattern] SEEDING, CLASS 4 TOPSOIL FURNISH AND PLACE, 4" EROSION CONTROL BLANKET (SPECIAL)
 - [Pattern] PERENNIAL PLANTS, ORNAMENTAL TYPE TOPSOIL FURNISH AND PLACE, 30" EROSION CONTROL BLANKET
 - [Pattern] EXISTING WETLAND

LEGEND

-  EXISTING TREES
-  PROPOSED TREES
-  SODDING, SALT TOLERANT TOPSOIL FURNISH AND PLACE, 4"
-  SEEDING, CLASS 2A TOPSOIL FURNISH AND PLACE, 4" EROSION CONTROL BLANKET
-  SEEDING, CLASS 4 TOPSOIL FURNISH AND PLACE, 4" EROSION CONTROL BLANKET (SPECIAL)
-  PERENNIAL PLANTS, ORNAMENTAL TYPE TOPSOIL FURNISH AND PLACE, 30" EROSION CONTROL BLANKET
-  EXISTING WETLAND

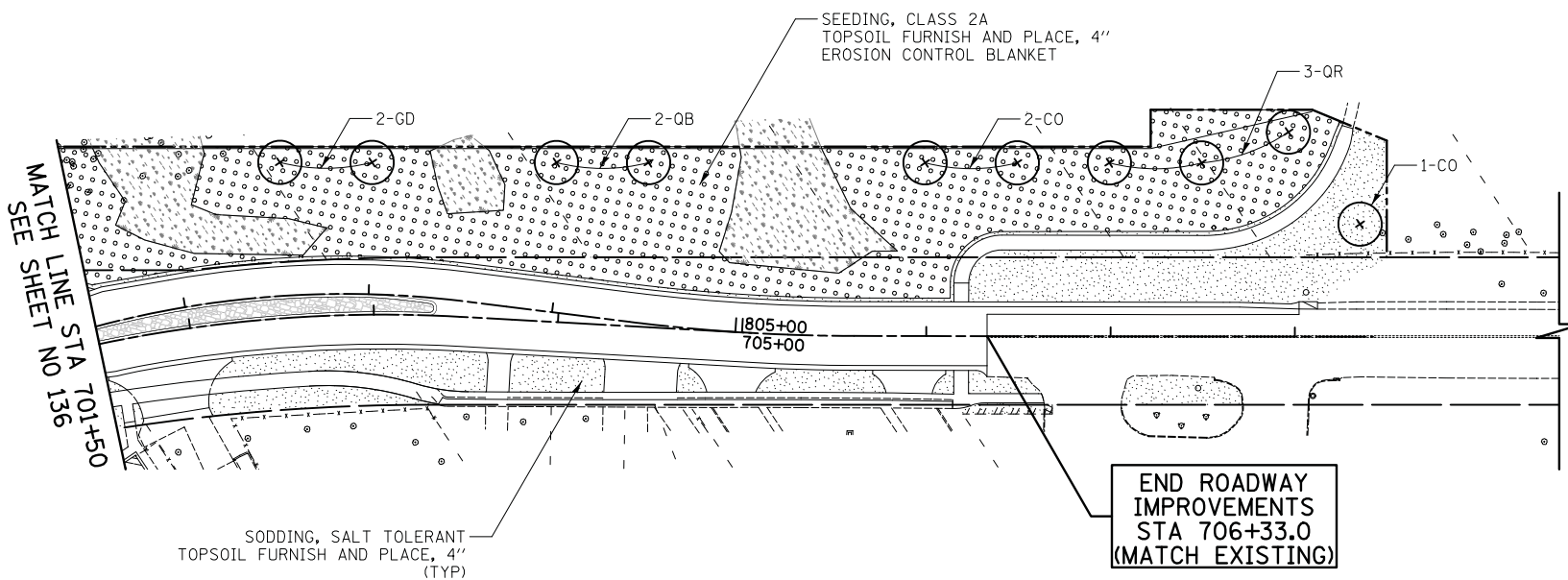
BEGIN ROADWAY IMPROVEMENTS STA 400+00.0 (MATCH EXISTING)



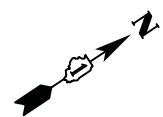
MATCH LINE STA 404+00 SEE SHEET NO 136



DUGDALE ROAD



END ROADWAY IMPROVEMENTS STA 706+33.0 (MATCH EXISTING)



DUGDALE ROAD








DATE	BY	SURVEYED	PLOTTED	TEMPLATE	AREAS CHECKED

DATE	BY	SURVEYED	PLOTTED	TEMPLATE	AREAS CHECKED

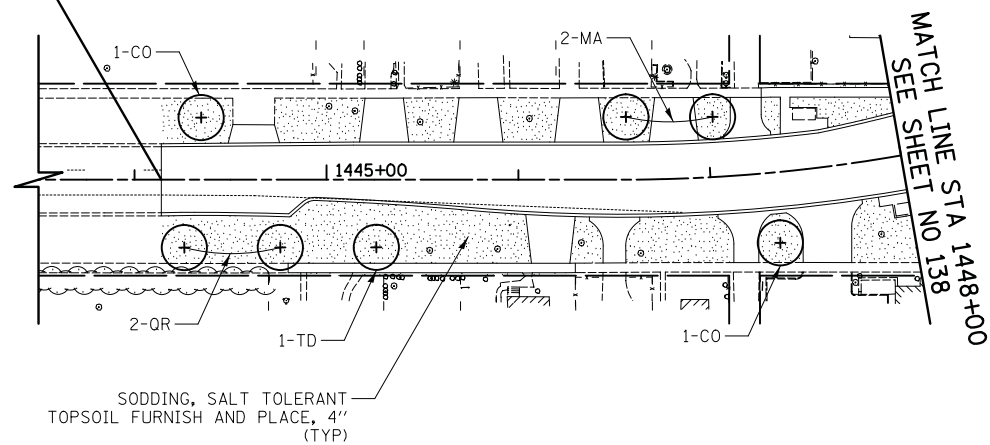
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LEGEND

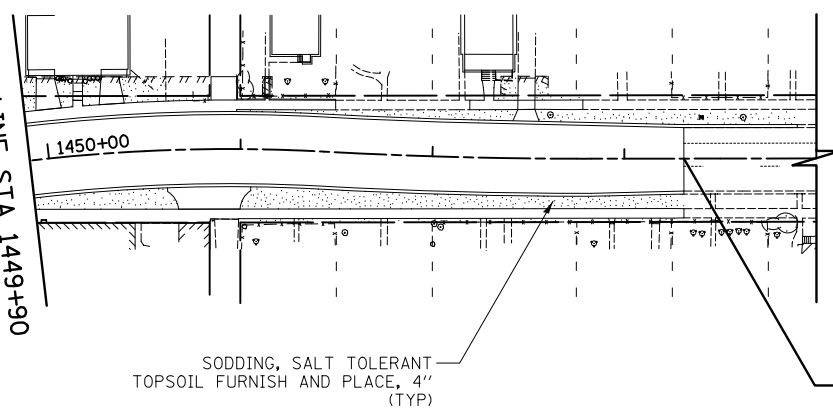
-  EXISTING TREES
-  PROPOSED TREES
-  SODDING, SALT TOLERANT
TOPSOIL FURNISH AND PLACE, 4"
-  SEEDING, CLASS 2A
TOPSOIL FURNISH AND PLACE, 4"
EROSION CONTROL BLANKET
-  SEEDING, CLASS 4
TOPSOIL FURNISH AND PLACE, 4"
EROSION CONTROL BLANKET (SPECIAL)
-  PERENNIAL PLANTS, ORNAMENTAL TYPE
TOPSOIL FURNISH AND PLACE, 30"
EROSION CONTROL BLANKET
-  EXISTING WETLAND

BEGIN ROADWAY
IMPROVEMENTS
STA 1444+14.0
(MATCH EXISTING)



JACKSON STREET

MATCH LINE STA 1449+90
SEE SHEET NO 138

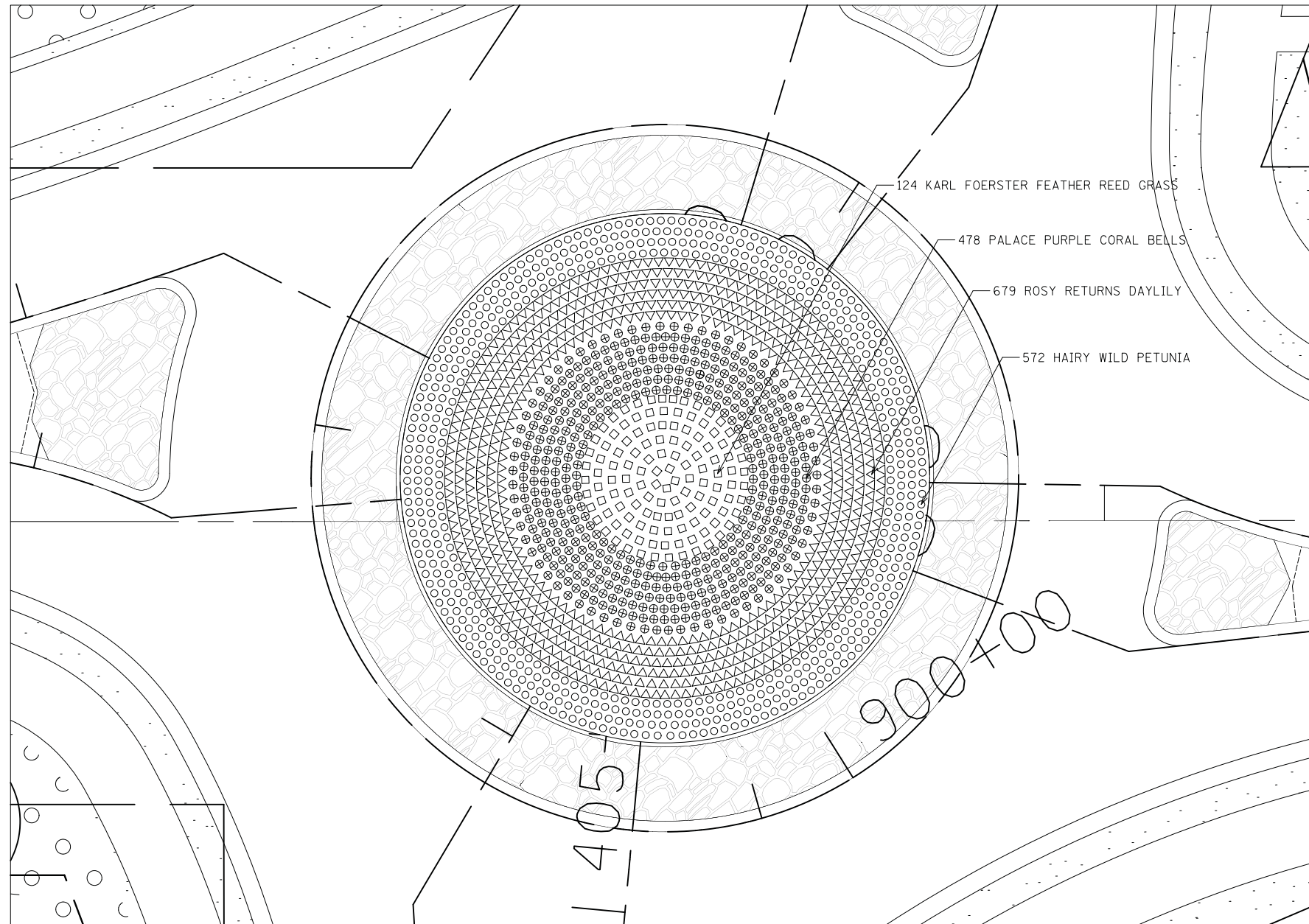


JACKSON STREET

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

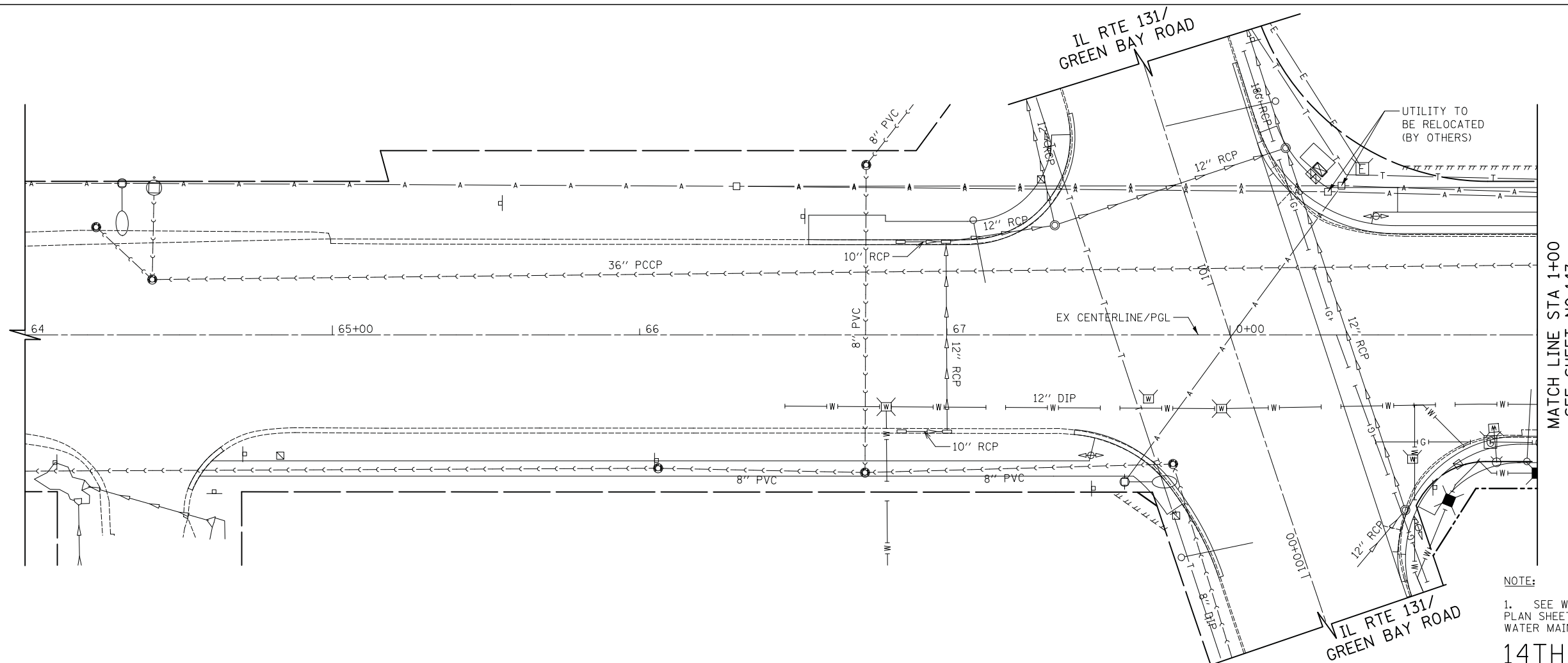
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

ROUNDBABOUT PLANTINGS TABLE						
SYMBOL	BOTANIC NAME	COMMON NAME	SIZE	SPACING	HEIGHT	QUANTITY
(PAID FOR AS PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT)						
	CALAMAGROSTIS ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRASS	1 GAL	2.0 FT	36-48"	124
	HEUCHERA 'PALACE PURPLE'	PALACE PURPLE CORAL BELLS	1 GAL	1.5 FT	12-23"	477
	HEMEROCALLIS 'ROSY RETURNS'	ROSY RETURNS DAYLILY	1 GAL	1.5 FT	12-18"	679
	RUPELLIA HUMILIS	HAIRY WILD PETUNIA	1 GAL	1.5 FT	12"	572
					TOTAL	1852

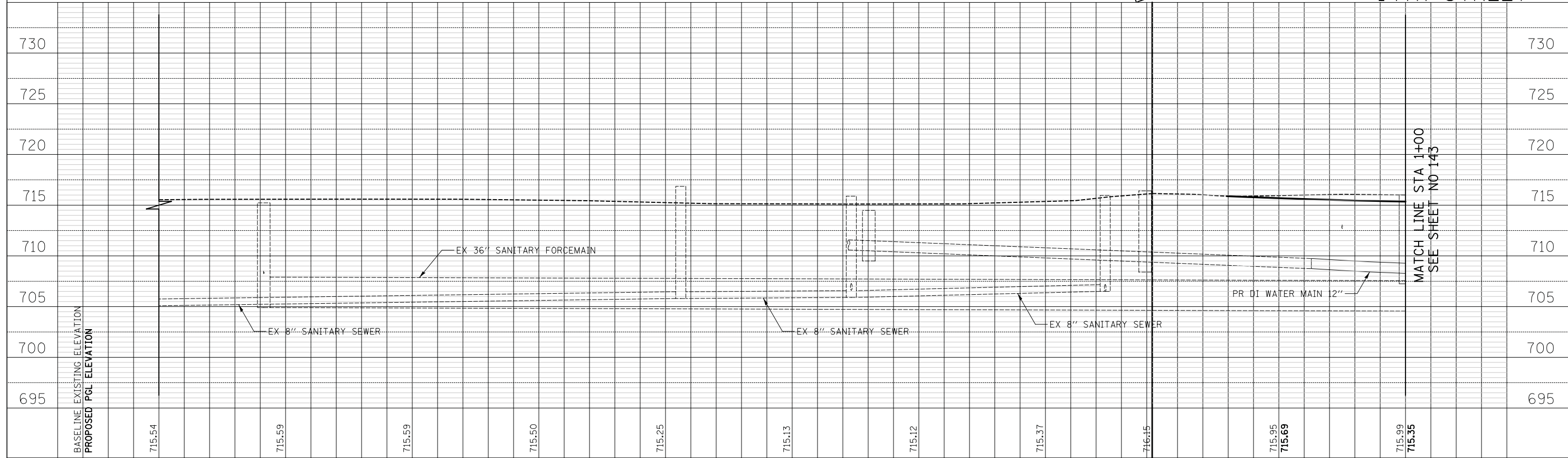


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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
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SURVEYED	
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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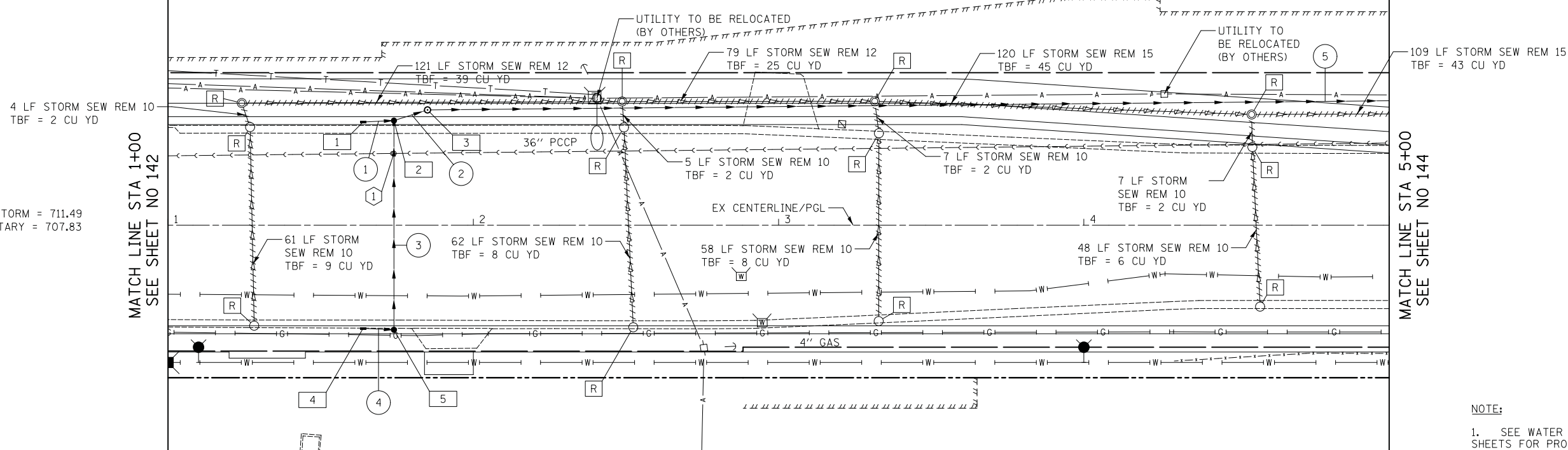
NOTE:
 1. SEE WATER MAIN RELOCATION PLAN SHEETS FOR PROPOSED WATER MAIN DETAILS.





- 1 STA. 1+63.9, 33.0' LT
INLETS TA T24F&G
RIM = 714.54
INV = 711.65 (12" E)
- 2 STA. 1+74, 33.0' LT
CB TA 4 DIA T24F&G
RIM = 714.54
INV = 711.61 (12" W)
INV = 711.61 (12" S)
INV = 711.61 (15" E)
- 3 STA. 1+85, 37.8' LT
MAN TA 4 DIA T1F CL
RIM = 715.02
INV = 711.58 (15" E)
INV = 711.58 (15" W)
- 4 STA. 1+63.9, 33.0' RT
INLETS TA T24F&G
RIM = 714.54
INV = 711.98 (12" E)
- 5 STA. 1+74, 33.0' RT
CB TA 4 DIA T24F&G
RIM = 714.54
INV = 711.94 (12" W)
INV = 711.94 (12" N)

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



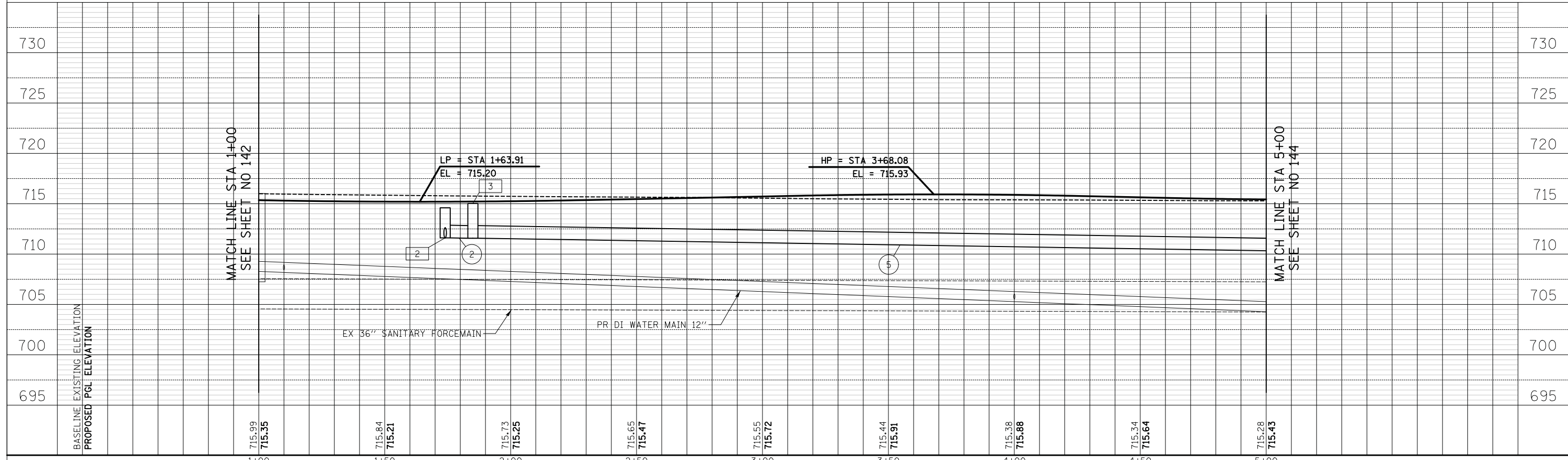
1 BOTTOM STORM = 711.49
TOP SANITARY = 707.83

NOTE:
1. SEE WATER MAIN RELOCATION PLAN SHEETS FOR PROPOSED WATER MAIN DETAILS.

- 1 7' - STORM SEW CL A 1, 12" @ 0.50%
TBF = 1 CU YD
- 2 8' - STORM SEW CL A 1, 15" @ 0.40%
TBF = 1 CU YD
- 3 66' - STORM SEW CL A 1, 12" @ 0.50%
TBF = 2 CU YD
- 4 7' - STORM SEW CL A 1, 12" @ 0.50%
TBF = 1 CU YD
- 5 332' - STORM SEW CL A 2, 15" @ 0.50%
TBF = 95 CU YD

14TH STREET

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



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DESIGNED - PK	REVISED -
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CHECKED - JRV	REVISED -
DATE - 11/7/2018	REVISED -

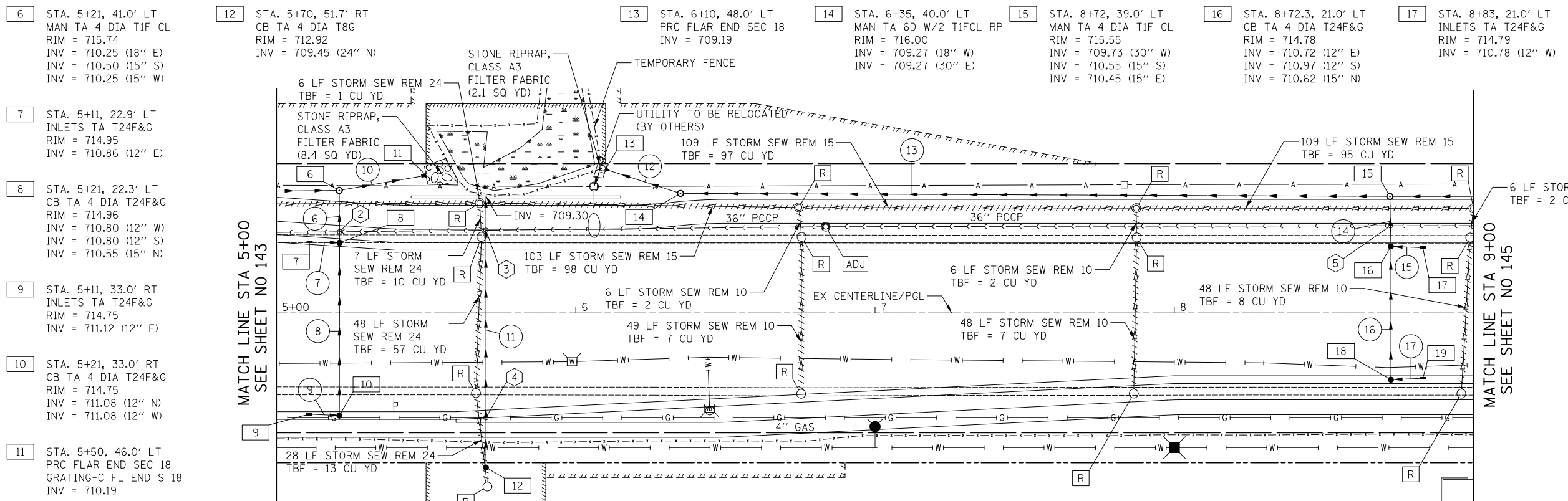
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



DRAINAGE AND UTILITIES

SHEET NO. 2 OF 24 SHEETS STA. 1+00.0 TO STA. 5+00.0

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1228	99-00260-01-WR	LAKE	566	143
CONTRACT NO. 61F33				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- 6 STA. 5+21, 41.0' LT
MAN TA 4 DIA T1F CL
RIM = 715.74
INV = 710.25 (18" E)
INV = 710.50 (15" S)
INV = 710.25 (15" W)
- 7 STA. 5+11, 22.9' LT
INLETS TA T24F&G
RIM = 714.95
INV = 710.86 (12" E)
- 8 STA. 5+21, 22.3' LT
CB TA 4 DIA T24F&G
RIM = 714.96
INV = 710.80 (12" W)
INV = 710.80 (12" S)
INV = 710.55 (15" N)
- 9 STA. 5+11, 33.0' RT
INLETS TA T24F&G
RIM = 714.75
INV = 711.12 (12" E)
- 10 STA. 5+21, 33.0' RT
CB TA 4 DIA T24F&G
RIM = 714.75
INV = 711.08 (12" N)
INV = 711.08 (12" W)
- 11 STA. 5+50, 46.0' LT
PRC FLAR END SEC 18
GRATING-C FL END S 18
INV = 710.19
- 12 STA. 5+70, 51.7' RT
CB TA 4 DIA T8G
RIM = 712.92
INV = 709.45 (24" N)
- 13 STA. 6+10, 48.0' LT
PRC FLAR END SEC 18
INV = 709.19
- 14 STA. 6+35, 40.0' LT
MAN TA 6D W/2 T1FCL RP
RIM = 716.00
INV = 709.27 (18" W)
INV = 709.27 (30" E)
- 15 STA. 8+72, 39.0' LT
MAN TA 4 DIA T1F CL
RIM = 715.55
INV = 709.73 (30" W)
INV = 710.55 (15" S)
INV = 710.45 (15" E)
- 16 STA. 8+72.3, 21.0' LT
CB TA 4 DIA T24F&G
RIM = 714.78
INV = 710.72 (12" E)
INV = 710.97 (12" S)
INV = 710.62 (15" N)
- 17 STA. 8+83, 21.0' LT
INLETS TA T24F&G
RIM = 714.79
INV = 710.78 (12" W)

- 10 21' - STORM SEW CL A 2, 18" @ 0.30%
TBF = 0 CU YD
- 11 89' - STORM SEW WM REQ, 24" @ 0.17%
TBF = 22 CU YD
- 12 17' - STORM SEW CL A 2, 18" @ 0.40%
TBF = 0 CU YD
- 13 232' - STORM SEW CL A 2, 30" @ 0.20%
TBF = 191 CU YD
- 14 12' - STORM SEW CL A 2, 15" @ 0.60%
TBF = 4 CU YD
- 15 7' - STORM SEW CL A 2, 12" @ 0.80%
TBF = 2 CU YD
- 16 42' - STORM SEW CL A 1, 12" @ 0.80%
TBF = 5 CU YD
- 17 7' - STORM SEW CL A 1, 12" @ 0.80%
TBF = 1 CU YD
- 6 13' - STORM SEW CL A 2, 15" @ 0.40%
TBF = 4 CU YD
- 7 7' - STORM SEW CL A 2, 12" @ 0.50%
TBF = 2 CU YD
- 8 55' - STORM SEW CL A 2, 12" @ 0.50%
TBF = 8 CU YD
- 9 7' - STORM SEW CL A 1, 12" @ 0.50%
TBF = 1 CU YD

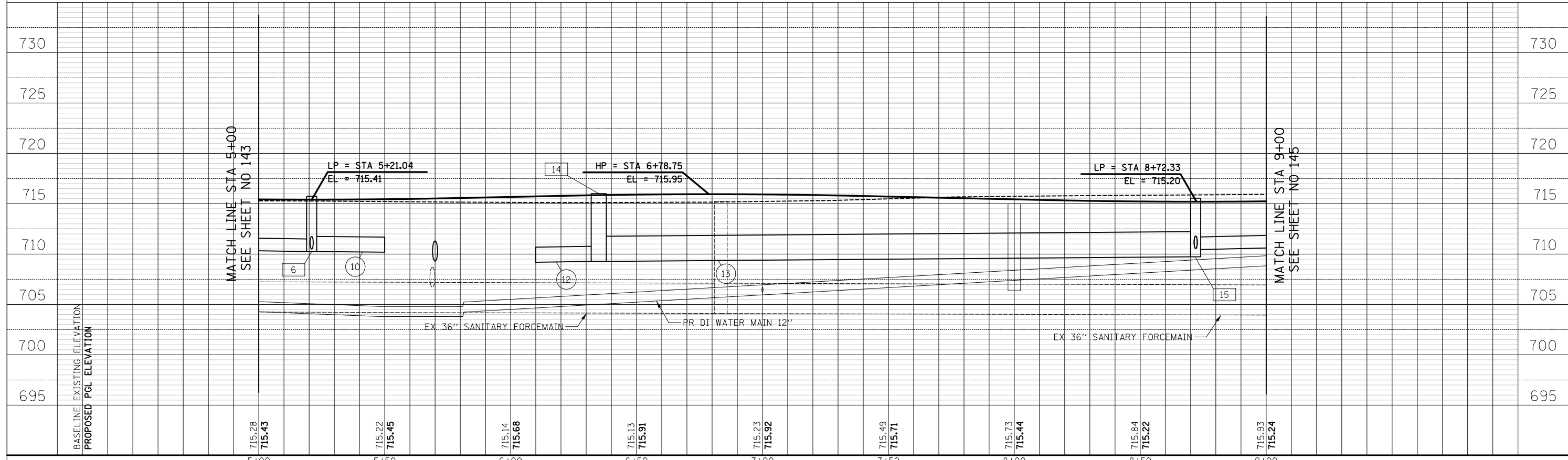
- 2 BOTTOM STORM = 710.55
TOP SANITARY = 707.56
- 3 BOTTOM STORM = 709.07
TOP SANITARY = 706.70
- 4 APPX BOTTOM GAS = 711.53
TOP STORM = 711.68
- 5 BOTTOM STORM = 710.41
TOP SANITARY = 707.29

NOTE:
1. SEE WATER MAIN RELOCATION PLAN SHEETS FOR PROPOSED WATER MAIN DETAILS.

14TH STREET

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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DATE	
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ORIGINAL SURVEY	
SURVEYED	
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TEMPLATE	
NOTE BOOK	
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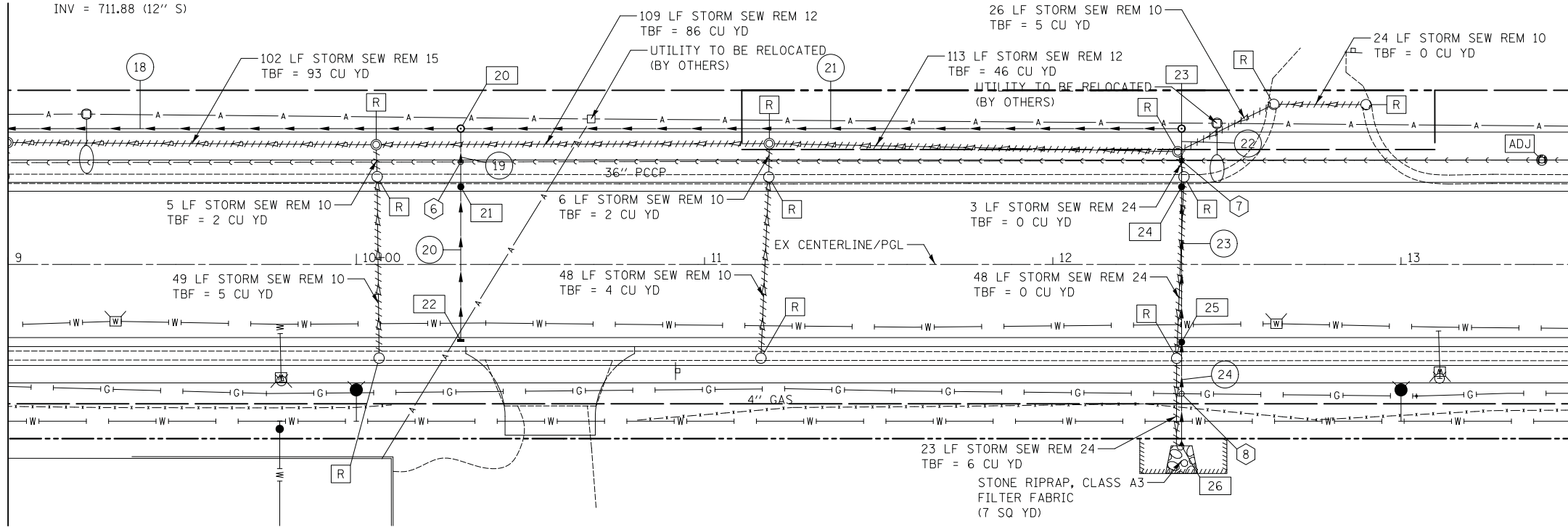
	Two Pierce Place, Suite 1400 Itasca, Illinois 60143 Tel: 630.773.3900 Fax: 630.773.3975 www.civiltechinc.com	DESIGNED - PK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	VERT. 0 5 10 HORIZ. 0 20 40	DRAINAGE AND UTILITIES	F.A.U. R.E. 1228	SECTION 99-00260-01-WR	COUNTY LAKE	TOTAL SHEETS 566	SHEET NO. 144
		CHECKED - JRV	REVISED -				CONTRACT NO. 61F33				
		DATE - 11/7/2018	REVISED -	SHEET NO. 3 OF 24 SHEETS		STA. 5+00.0 TO STA. 9+00.0		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

DATE	
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TEMPLATE	
AREAS CHECKED	
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DATE	
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PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

- 20 STA. 10+30, 39.0' LT
MAN TA 4 DIA T1F CL
RIM = 716.22
INV = 711.38 (15" W)
INV = 711.48 (12" E)
INV = 711.88 (12" S)
- 21 STA. 10+30, 21.0' LT
CB TA 4 DIA T24F&G
RIM = 715.44
INV = 711.98 (12" N)
INV = 712.08 (12" S)
- 22 STA. 10+30, 21.0' RT
INLETS TA T24F&G
RIM = 715.44
INV = 712.41 (12" E)
- 23 STA. 12+37, 39.0' LT
MAN TA 4 DIA T1F CL
RIM = 716.73
INV = 712.60 (12" S)
INV = 712.50 (12" W)
- 24 STA. 12+37, 21.0' LT
CB TA 4 DIA T24F&G
RIM = 715.96
INV = 712.66 (12" N)
INV = 712.76 (12" S)
- 25 STA. 12+37, 21.0' RT
CB TA 4 DIA T24F&G
RIM = 715.96
INV = 712.97 (12" N)
INV = 712.97 (12" S)
- 26 STA. 12+37, 52.0' RT
PRC FLAR END SEC 12
INV = 713.25

MATCH LINE STA 9+00
SEE SHEET NO 144

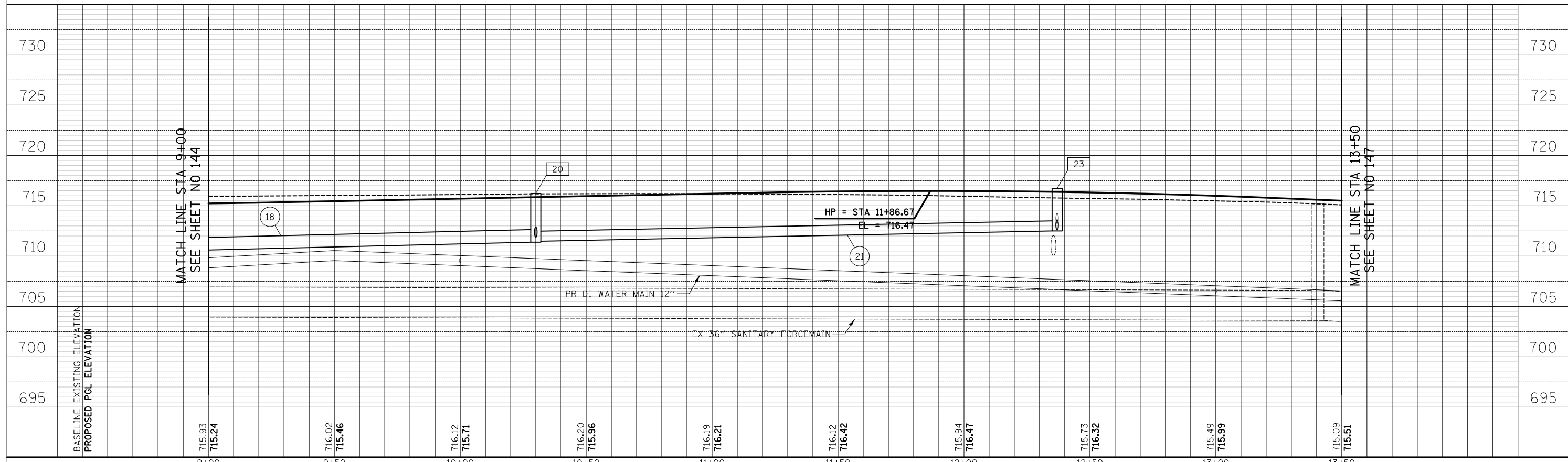


MATCH LINE STA 13+50
SEE SHEET NO 146

- 6 BOTTOM STORM = 711.78
TOP SANITARY = 707.17
- 7 BOTTOM STORM = 712.47
TOP SANITARY = 707.01
- 8 BOTTOM STORM = 712.96
TOP GAS = 712.53

- 18 154' - STORM SEW CL A 2, 15" @ 0.60%
TBF = 58 CU YD
- 19 12' - STORM SEW CL A 1, 12" @ 0.80%
TBF = 3 CU YD
- 20 42' - STORM SEW CL A 1, 12" @ 0.80%
TBF = 3 CU YD
- 21 203' - STORM SEW CL A 2, 12" @ 0.50%
TBF = 63 CU YD
- 22 12' - STORM SEW CL A 1, 12" @ 0.50%
TBF = 3 CU YD
- 23 42' - STORM SEW CL A 1, 12" @ 0.50%
TBF = 3 CU YD
- 24 21' - STORM SEW WM REQ, 12" @ 1.33%
TBF = 2 CU YD

NOTE:
1. SEE WATER MAIN RELOCATION PLAN SHEETS FOR PROPOSED WATER MAIN DETAILS.
14TH STREET

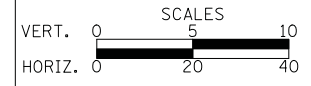


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DEPARTMENT OF TRANSPORTATION



DRAINAGE AND UTILITIES

SHEET NO. 4 OF 24 SHEETS STA. 9+00.0 TO STA. 13+50.0

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1228	99-00260-01-WR	LAKE	566	145
CONTRACT NO. 61F33				

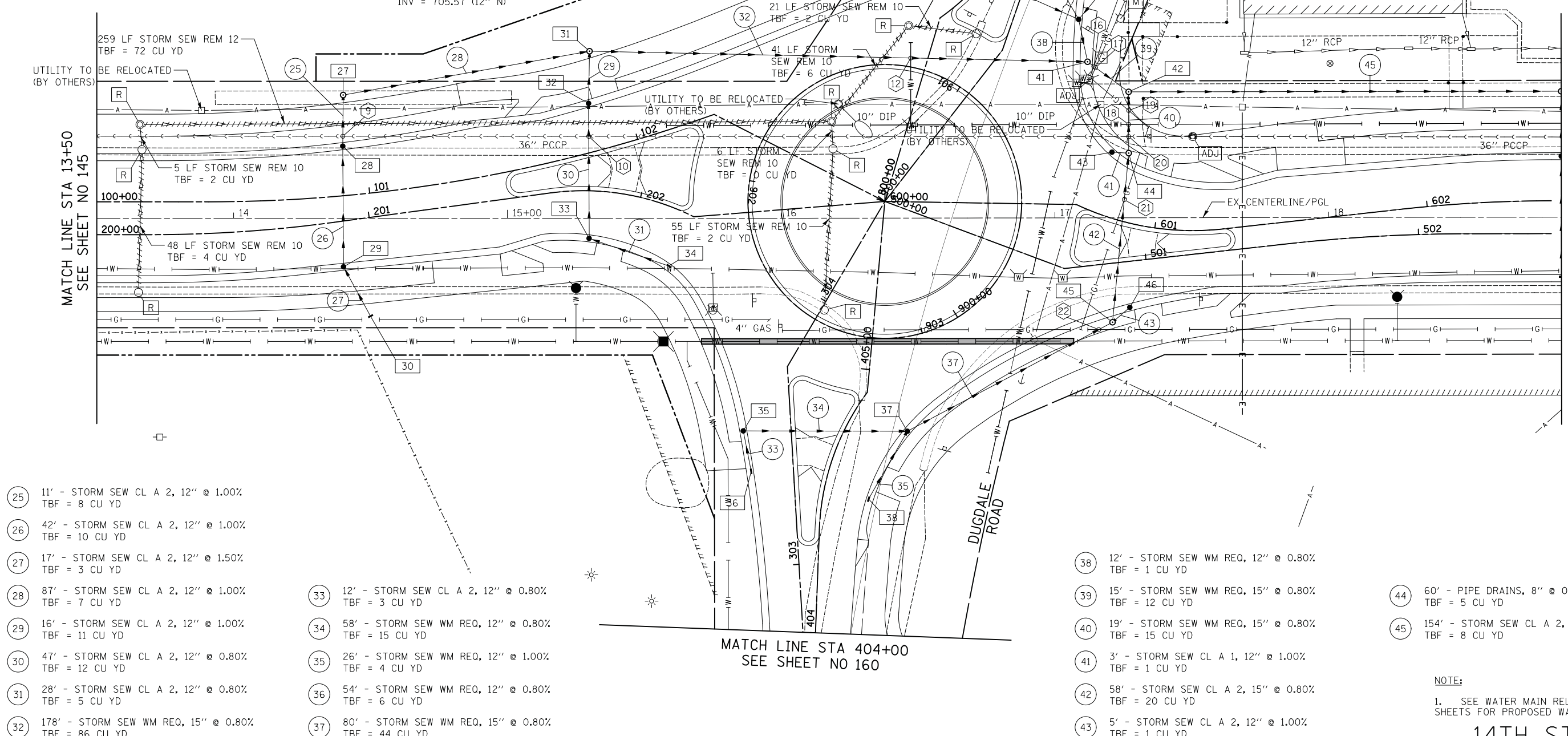
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



- 27 STA. 14+40, 45.0' LT
MAN TA 4 DIA T1F CL
RIM = 714.05
INV = 708.37 (12" E)
INV = 708.47 (12" S)
- 28 STA. 14+40, 25.0' LT
CB TA 4 DIA T24F&G
RIM = 713.57
INV = 708.58 (12" N)
INV = 708.68 (12" S)
- 29 STA. 14+40, 16.5' RT
CB TA 4 DIA T24F&G
RIM = 713.72
INV = 709.10 (12" N)
INV = 709.25 (12" SE)
- 30 STA. 14+50, 35.8' RT
INLETS TA T8G
RIM = 713.94
INV = 709.50 (12" NW)
- 31 STA. 15+30, 61.0' LT
MAN TA 4 DIA T1F CL
RIM = 712.24
INV = 706.50 (12" S)
INV = 707.50 (12" W)
INV = 705.74 (15" E)
- 32 STA. 15+30, 40.7' LT
CB TA 4 DIA T24F&G
RIM = 711.59
INV = 706.66 (12" N)
INV = 706.76 (12" S)
- 33 STA. 15+30, 6.1' RT
CB TA 4 DIA T24F&G
RIM = 711.81
INV = 707.14 (12" N)
INV = 707.24 (12" E)
- 34 STA. 15+59.5, 16.8' RT
INLETS TA T24F&G
RIM = 711.32
INV = 707.46 (12" W)
- 35 STA. 15+87.4, 77.4' RT
CB TA 4 DIA T24F&G
RIM = 711.02
INV = 706.16 (12" E)
INV = 706.26 (12" S)
- 36 STA. 15+89.9, 92.4' RT
INLETS TA T24F&G
RIM = 710.98
INV = 706.36 (12" N)
- 37 STA. 16+45, 77.0' RT
CB TA 4 DIA T24F&G
RIM = 710.85
INV = 705.45 (15" NE)
INV = 705.70 (12" W)
INV = 707.24 (12" S)
- 38 STA. 16+31, 102.3' RT
INLETS TA T24F&G
RIM = 711.04
INV = 707.50 (12" N)
- 39 STA. 16+58, 94.8' LT
INLETS TA T24F&G
RIM = 709.70
INV = 706.20 (12" E)
- 40 STA. 17+07.5, 72.6' LT
CB TA 4 DIA T24F&G
RIM = 709.31
INV = 706.30 (8" NE)
INV = 705.77 (12" W)
INV = 705.67 (12" S)
- 41 STA. 17+12, 57.0' LT
MAN TA 4 DIA T1F CL
RIM = 710.03
INV = 704.32 (15" SE)
INV = 704.32 (15" W)
INV = 705.57 (12" N)
- 42 STA. 17+27, 46.0' LT
MAN TA 4 DIA T1F CL
RIM = 710.39
INV = 704.20 (15" NW)
INV = 704.20 (15" S)
INV = 709.68 (18" E)
- 43 STA. 17+20, 23.0' LT
CB TC T24F&G
RIM = 709.99
INV = 705.97 (12" W)
INV = 704.35 (15" N)
- 44 STA. 17+27, 23.6' LT
MAN TA 4 DIA T1F CL
RIM = 709.99
INV = 705.97 (12" W)
INV = 704.35 (15" N)
- 45 STA. 17+21, 38.1' RT
MAN TA 4 DIA T1F CL
RIM = 710.40
INV = 704.81 (15" N)
INV = 706.45 (12" NE)
INV = 704.81 (15" SW)
- 46 STA. 17+27, 31.5' RT
CB TC T24F&G
RIM = 709.86
INV = 706.50 (12" SW)
- 47 STA. 17+48.8, 120.2' LT
INLETS SPL
RIM = 708.89
INV = 706.90 (8" SW)
- 9 BOTTOM STORM = 708.40
APPX TOP SANITARY = 704.99
- 10 BOTTOM STORM = 706.68
TOP SANITARY = 703.50
- 11 BOTTOM STORM = 705.99
APPX TOP WATER = 704.55
- 12 BOTTOM STORM = 704.62
APPX TOP WATER = 705.43
- 13 BOTTOM STORM = 706.60
APPX TOP WATER = 703.40
- 14 BOTTOM STORM = 706.61
TOP SANITARY = 705.75
- 15 BOTTOM STORM = 706.74
APPX TOP GAS = 706.40
- 16 BOTTOM STORM = 704.12
APPX TOP WATER = 704.58
- 17 APPX BOTTOM GAS = 707.21
TOP STORM = 706.21
- 18 BOTTOM STORM = 704.09
APPX TOP WATER = 704.93
APPX BOTTOM GAS = 707.58
TOP STORM = 705.68
- 19 BOTTOM STORM = 704.13
TOP SANITARY = 700.30
- 20 APPX BOTTOM GAS = 707.57
TOP STORM = 705.92
- 21 APPX BOTTOM GAS = 707.74
TOP STORM = 706.28

DATE	
BY	
FINAL SURVEY PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY PLOTTED	
NOTE BOOK	
AREAS CHECKED	



- 25 11' - STORM SEW CL A 2, 12" @ 1.00%
TBF = 8 CU YD
- 26 42' - STORM SEW CL A 2, 12" @ 1.00%
TBF = 10 CU YD
- 27 17' - STORM SEW CL A 2, 12" @ 1.50%
TBF = 3 CU YD
- 28 87' - STORM SEW CL A 2, 12" @ 1.00%
TBF = 7 CU YD
- 29 16' - STORM SEW CL A 2, 12" @ 1.00%
TBF = 11 CU YD
- 30 47' - STORM SEW CL A 2, 12" @ 0.80%
TBF = 12 CU YD
- 31 28' - STORM SEW CL A 2, 12" @ 0.80%
TBF = 5 CU YD
- 32 178' - STORM SEW WM REQ, 15" @ 0.80%
TBF = 86 CU YD

- 33 12' - STORM SEW CL A 2, 12" @ 0.80%
TBF = 3 CU YD
- 34 58' - STORM SEW WM REQ, 12" @ 0.80%
TBF = 15 CU YD
- 35 26' - STORM SEW WM REQ, 12" @ 1.00%
TBF = 4 CU YD
- 36 54' - STORM SEW WM REQ, 12" @ 0.80%
TBF = 6 CU YD
- 37 80' - STORM SEW WM REQ, 15" @ 0.80%
TBF = 44 CU YD

- 38 12' - STORM SEW WM REQ, 12" @ 0.80%
TBF = 1 CU YD
- 39 15' - STORM SEW WM REQ, 15" @ 0.80%
TBF = 12 CU YD
- 40 19' - STORM SEW WM REQ, 15" @ 0.80%
TBF = 15 CU YD
- 41 3' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 1 CU YD
- 42 58' - STORM SEW CL A 2, 15" @ 0.80%
TBF = 20 CU YD
- 43 5' - STORM SEW CL A 2, 12" @ 1.00%
TBF = 1 CU YD

- 44 60' - PIPE DRAINS, 8" @ 0.80%
TBF = 5 CU YD
- 45 154' - STORM SEW CL A 2, 18" @ 0.80%
TBF = 8 CU YD

NOTE:
1. SEE WATER MAIN RELOCATION PLAN SHEETS FOR PROPOSED WATER MAIN DETAILS.

14TH STREET

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VERT. 0 5 10
HORIZ. 0 20 40

SCALES

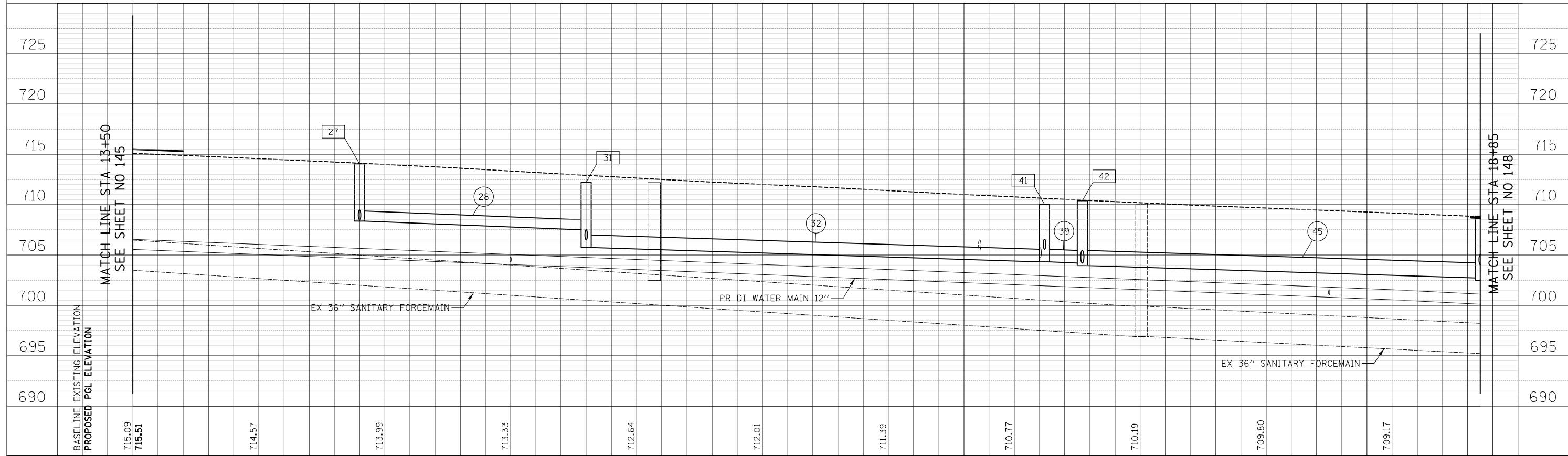
DRAINAGE AND UTILITIES

SHEET NO. 5 OF 24 SHEETS STA. 13+50.0 TO STA. 18+85.0

F.A.U. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1228	99-00260-01-WR	LAKE	566	146
CONTRACT NO. 61F33				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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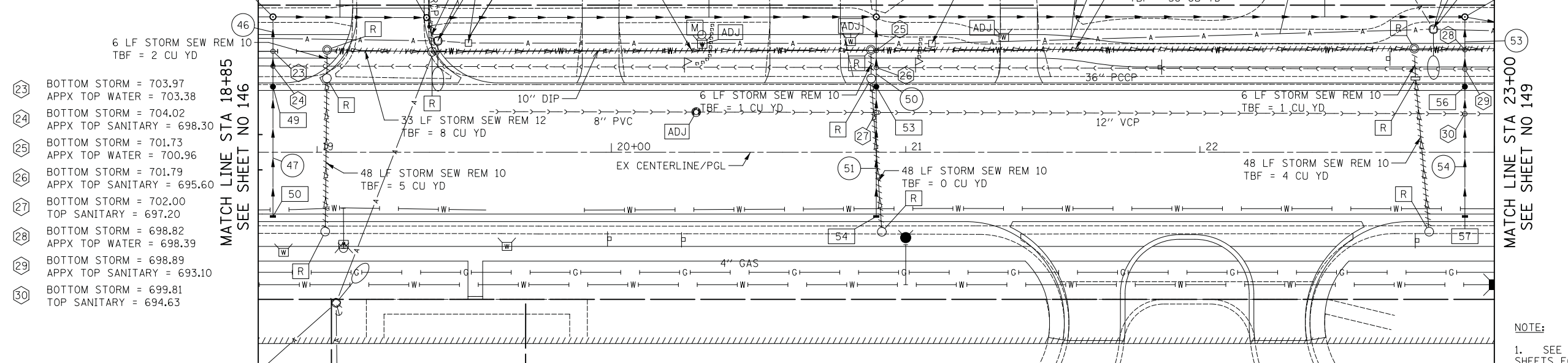


13+50	14+00	14+50	15+00	15+50	16+00	16+50	17+00	17+50	18+00	18+50
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		1228	99-00260-01-WR				LAKE	566	147				
CONTRACT NO. 61F33							SHEET NO. 6 OF 24 SHEETS		STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT													



- 48 STA. 18+85, 46.0' LT
MAN TA 4 DIA T1F CL
RIM = 708.86
INV = 702.47 (18" E)
INV = 704.04 (12" S)
INV = 702.72 (18" W)
- 49 STA. 18+85, 21.0' LT
CB TA 4 DIA T24F&G
RIM = 708.25
INV = 704.33 (12" S)
INV = 704.23 (12" N)
- 50 STA. 18+85, 21.0' RT
INLETS TA T24F&G
RIM = 708.25
INV = 704.75 (12" E)
- 51 STA. 19+36.4, 45.7' LT
MAN TA 4 DIA T1F CL
RIM = 707.77
INV = 701.78 (18" E)
INV = 701.88 (18" W)
INV = 704.56 (EX 12" N)
- 52 STA. 20+90, 46.0' LT
MAN TA 4 DIA T1F CL
RIM = 706.05
INV = 699.90 (18" E)
INV = 701.80 (12" S)
INV = 700.00 (18" W)
- 53 STA. 20+90, 21.0' LT
CB TA 4 DIA T24F&G
RIM = 706.01
INV = 701.99 (12" N)
INV = 702.09 (12" S)
- 54 STA. 20+90, 21.0' RT
INLETS TA T24F&G
RIM = 706.01
INV = 702.51 (12" E)
- 55 STA. 22+90, 46.0' LT
MAN TA 4 DIA T1F CL
RIM = 703.68
INV = 697.45 (18" E)
INV = 699.61 (12" S)
INV = 697.55 (18" W)



- 23 BOTTOM STORM = 703.97
APPX TOP WATER = 703.38
- 24 BOTTOM STORM = 704.02
APPX TOP SANITARY = 698.30
- 25 BOTTOM STORM = 701.73
APPX TOP WATER = 700.96
- 26 BOTTOM STORM = 701.79
APPX TOP SANITARY = 695.60
- 27 BOTTOM STORM = 702.00
TOP SANITARY = 697.20
- 28 BOTTOM STORM = 698.82
APPX TOP WATER = 698.39
- 29 BOTTOM STORM = 698.89
APPX TOP SANITARY = 693.10
- 30 BOTTOM STORM = 699.81
TOP SANITARY = 694.63

- 56 STA. 22+90, 21.0' LT
CB TA 4 DIA T24F&G
RIM = 703.82
INV = 699.80 (12" N)
INV = 699.90 (12" S)
- 57 STA. 22+90, 21.0' RT
INLETS TA T24F&G
RIM = 703.82
INV = 700.32 (12" N)

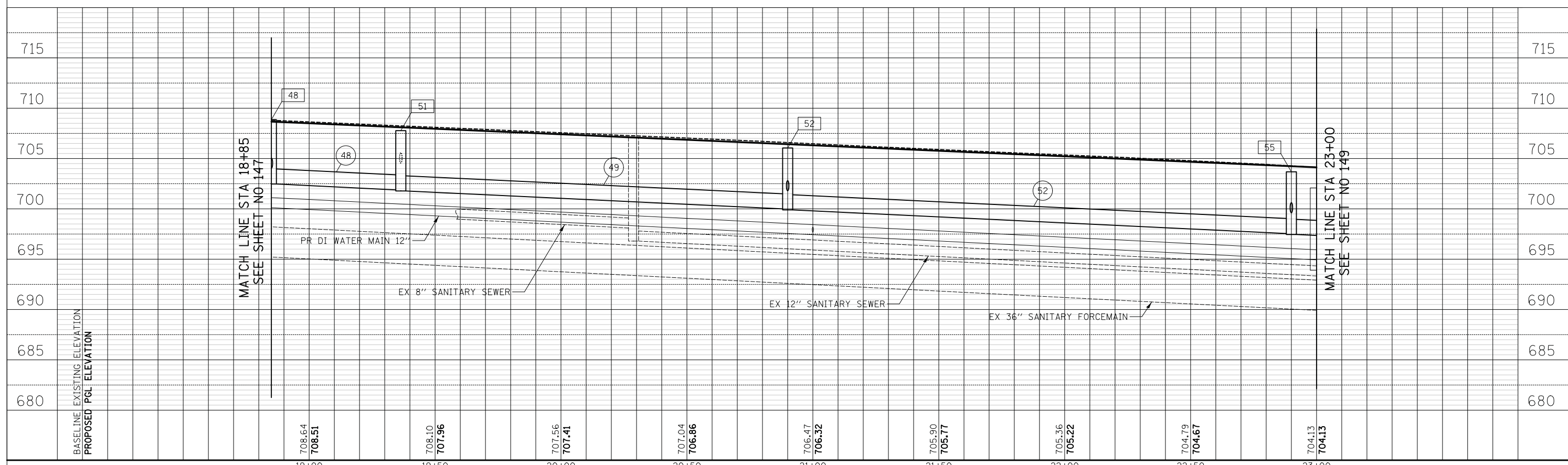
- 46 19' - STORM SEW WM REQ, 12" @ 1.00%
TBF = 4 CU YD
- 47 42' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 6 CU YD
- 48 49' - STORM SEW CL A 2, 18" @ 1.20%
TBF = 11 CU YD
- 49 148' - STORM SEW CL A 2, 18" @ 1.20%
TBF = 34 CU YD
- 50 19' - STORM SEW WM REQ, 12" @ 1.00%
TBF = 4 CU YD
- 51 42' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 6 CU YD
- 52 196' - STORM SEW CL A 2, 18" @ 1.20%
TBF = 13 CU YD
- 53 19' - STORM SEW WM REQ, 12" @ 1.00%
TBF = 4 CU YD
- 54 42' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 6 CU YD

NOTE:
1. SEE WATER MAIN RELOCATION PLAN SHEETS FOR PROPOSED WATER MAIN DETAILS.

14TH STREET

DATE	
BY	
SURVEYED	
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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DATE	
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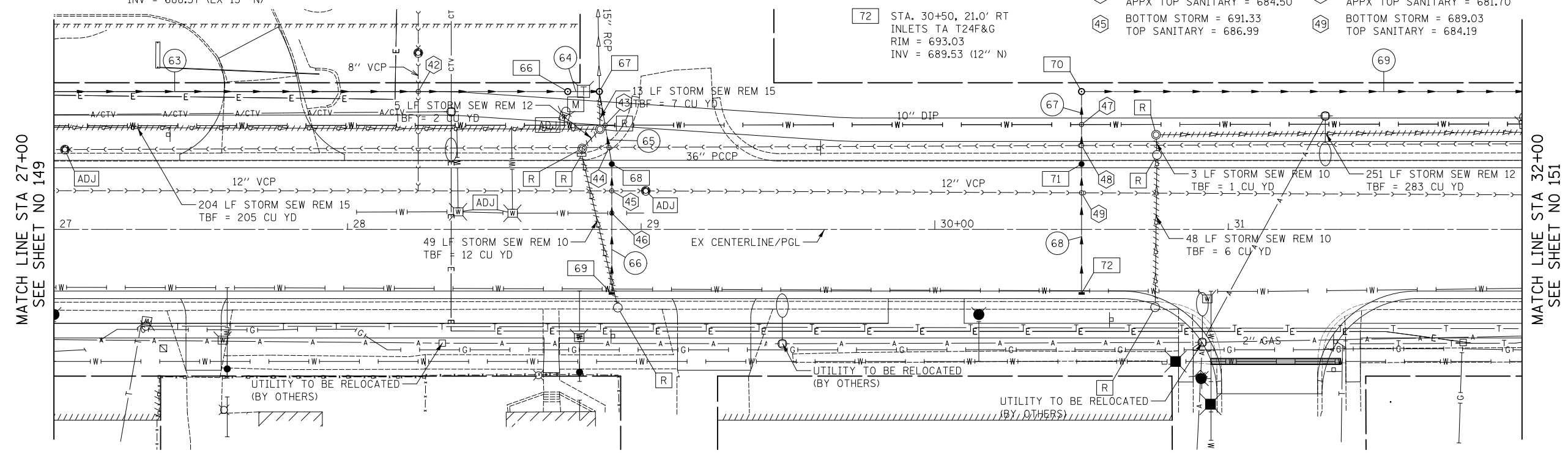
	Two Pierce Place, Suite 1400 Itasca, Illinois 60143 Tel: 630.773.3900 Fax: 630.773.3975 www.civiltechinc.com	DESIGNED - PK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	VERT. 0 5 10 HORIZ. 0 20 40	DRAINAGE AND UTILITIES	F.A.U. R.E. 1228	SECTION 99-00260-01-WR	COUNTY LAKE	TOTAL SHEETS 566	SHEET NO. 148
		DATE - 11/7/2018	REVISED -				SHEET NO. 7 OF 24 SHEETS STA. 18+85.0 TO STA. 23+00.0			CONTRACT NO. 61F33	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
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AREAS CHECKED	
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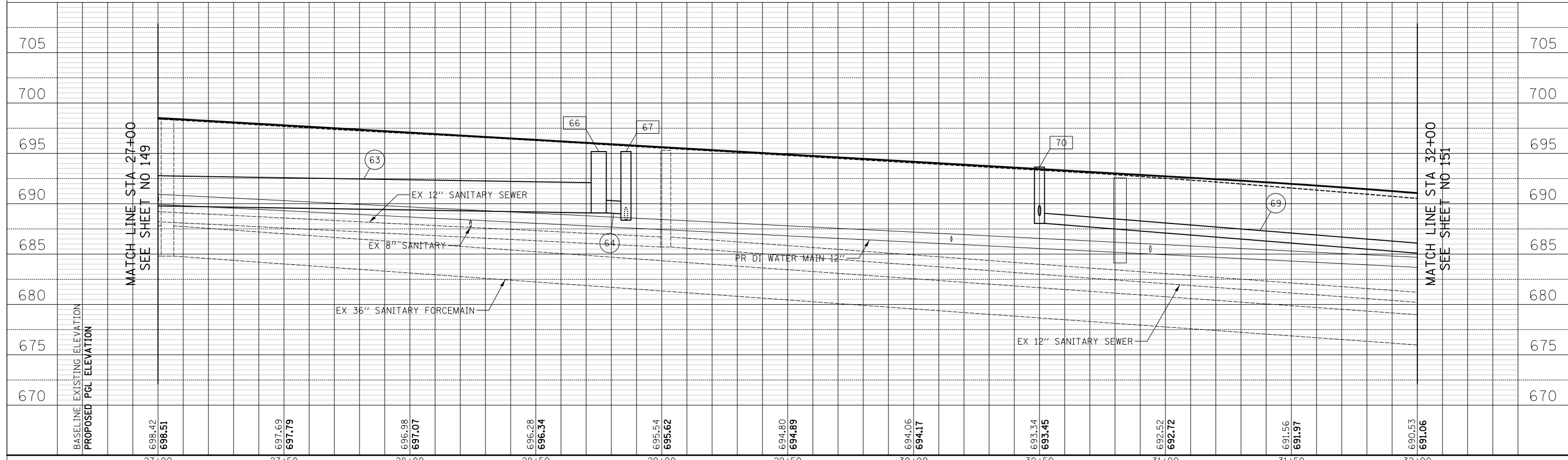
- 66 STA. 28+75, 47.0' LT
MAN TA 6D W/2 TIFCL RP
RIM = 695.18
INV = 689.09 (36" W)
INV = 689.09 (15" E)
- 67 STA. 28+85.8, 47.0' LT
MAN TA 4 DIA T1F CL
RIM = 695.18
INV = 691.12 (12" S)
INV = 689.00 (15" W)
INV = 688.37 (EX 15" N)
- 68 STA. 28+90, 21.0' LT
CB TA 4 DIA T24F&G
RIM = 695.34
INV = 691.32 (12" N)
INV = 691.42 (12" S)
- 69 STA. 28+90, 21.0' RT
INLETS TA T24F&G
RIM = 695.34
INV = 691.84 (12" N)
- 70 STA. 30+50, 47.0' LT
MAN TA 4 DIA T1F CL
RIM = 693.64
INV = 688.05 (12" E)
INV = 688.81 (12" S)
- 71 STA. 30+50, 21.0' LT
CB TA 4 DIA T24F&G
RIM = 693.03
INV = 689.01 (12" N)
INV = 689.11 (12" S)
- 72 STA. 30+50, 21.0' RT
INLETS TA T24F&G
RIM = 693.03
INV = 689.53 (12" N)

- 42 BOTTOM STORM = 688.95
TOP SANITARY = 688.47
- 43 BOTTOM STORM = 691.10
APPX TOP WATER = 690.37
- 44 BOTTOM STORM = 691.22
APPX TOP SANITARY = 684.50
- 45 BOTTOM STORM = 691.33
TOP SANITARY = 686.99
- 46 BOTTOM STORM = 691.57
APPX TOP WATER = 690.08
- 47 BOTTOM STORM = 688.74
APPX TOP WATER = 687.94
- 48 BOTTOM STORM = 688.81
APPX TOP SANITARY = 681.70
- 49 BOTTOM STORM = 689.03
TOP SANITARY = 684.19



- 63 180' - STORM SEW CL A 2, 36" @ 0.40%
TBF = 23 CU YD
- 64 6' - STORM SEW CL A 2, 15" @ 1.50%
TBF = 0 CU YD
- 65 20' - STORM SEW WM REQ, 12" @ 1.00%
TBF = 4 CU YD
- 66 42' - STORM SEW WM REQ, 12" @ 1.00%
TBF = 6 CU YD
- 67 20' - STORM SEW WM REQ, 12" @ 1.00%
TBF = 4 CU YD
- 68 42' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 6 CU YD
- 69 171' - STORM SEW CL A 2, 12" @ 2.00%
TBF = 0 CU YD

NOTE:
1. SEE WATER MAIN RELOCATION PLAN SHEETS FOR PROPOSED WATER MAIN DETAILS.



BASELINE EXISTING ELEVATION	698.42	697.69	696.98	696.28	695.54	694.80	694.06	693.34	692.52	691.56	690.53	
PROPOSED PGL ELEVATION	698.51	697.79	697.07	696.34	695.62	694.89	694.17	693.45	692.72	691.97	691.06	
	27+00	27+50	28+00	28+50	29+00	29+50	30+00	30+50	31+00	31+50	32+00	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

VERT. 0 5 10
HORIZ. 0 20 40

DRAINAGE AND UTILITIES

SHEET NO. 9 OF 24 SHEETS STA. 27+00.0 TO STA. 32+00.0

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1228	99-00260-01-WR	LAKE	566	150
CONTRACT NO. 61F33				

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

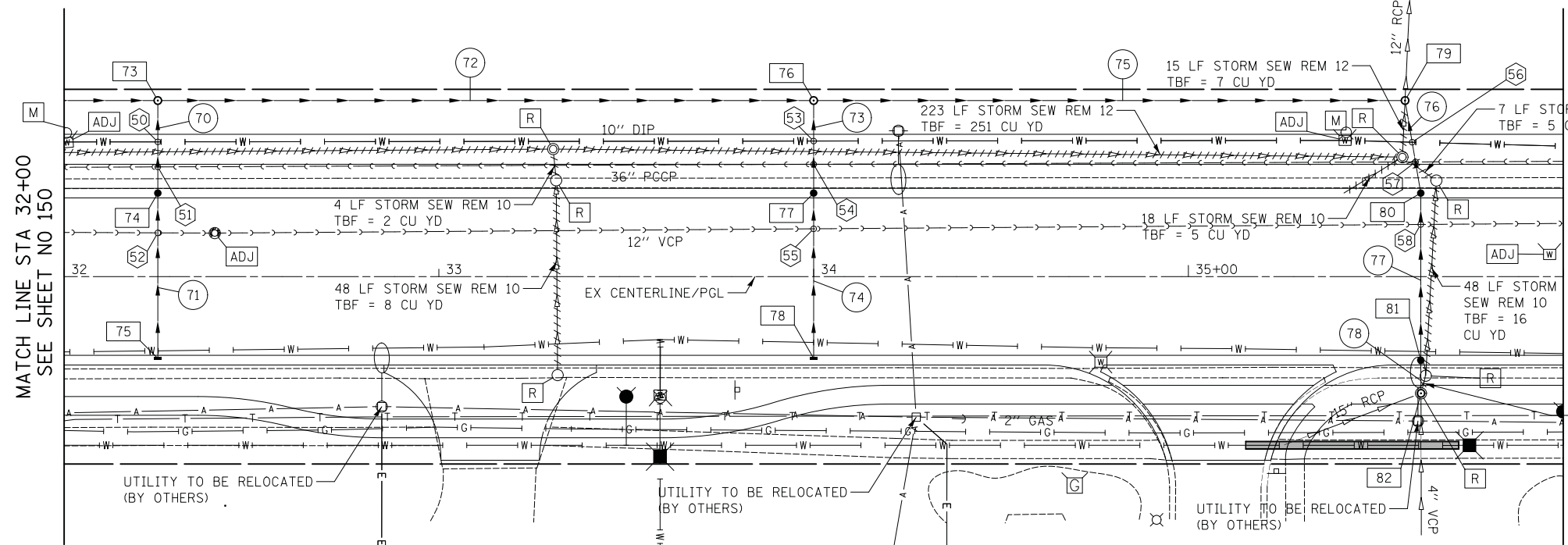


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TEMPLATE	
AREAS CHECKED	
NO.	

- 73 STA. 32+25, 47.0' LT
MAN TA 4 DIA T1F CL
RIM = 690.40
INV = 683.63 (12" E)
INV = 685.90 (12" S)
INV = 684.63 (12" W)
- 74 STA. 32+25, 21.0' LT
CB TA 4 DIA T24F&G
RIM = 690.12
INV = 686.10 (12" N)
INV = 686.20 (12" S)
- 75 STA. 32+25, 21.0' RT
INLETS TA T24F&G
RIM = 686.62
INV = 686.20 (12" N)
- 76 STA. 34+00, 47.0' LT
MAN TA 4 DIA T1F CL
RIM = 685.55
INV = 678.35 (12" E)
INV = 679.35 (12" W)
INV = 681.05 (12" S)
- 77 STA. 34+00, 21.0' LT
CB TA 4 DIA T24F&G
RIM = 685.27
INV = 681.25 (12" N)
INV = 681.35 (12" S)
- 78 STA. 34+00, 21.0' RT
INLETS TA T24F&G
RIM = 685.27
INV = 681.77 (12" N)
- 79 STA. 35+57.8, 47.0' LT
MAN TA 4 DIA T1F CL
RIM = 679.89
INV = 674.50 (12" W)
INV = 675.37 (12" S)
INV = 671.73 (EX 12" N)
- 80 STA. 35+62, 21.0' LT
CB TA 4 DIA T24F&G
RIM = 679.59
INV = 675.57 (12" N)
INV = 675.67 (12" S)
- 81 STA. 35+62, 21.0' RT
CB TA 4 DIA T24F&G
RIM = 679.59
INV = 676.09 (12" N)
INV = 676.19 (12" S)
- 82 STA. 35+62.1, 31.1' RT
MAN TA 4 DIA T1F CL
RIM = 680.22
INV = 676.23 (12" N)
INV = 677.60 (EX 4" S)
INV = 677.00 (EX 15" SW)

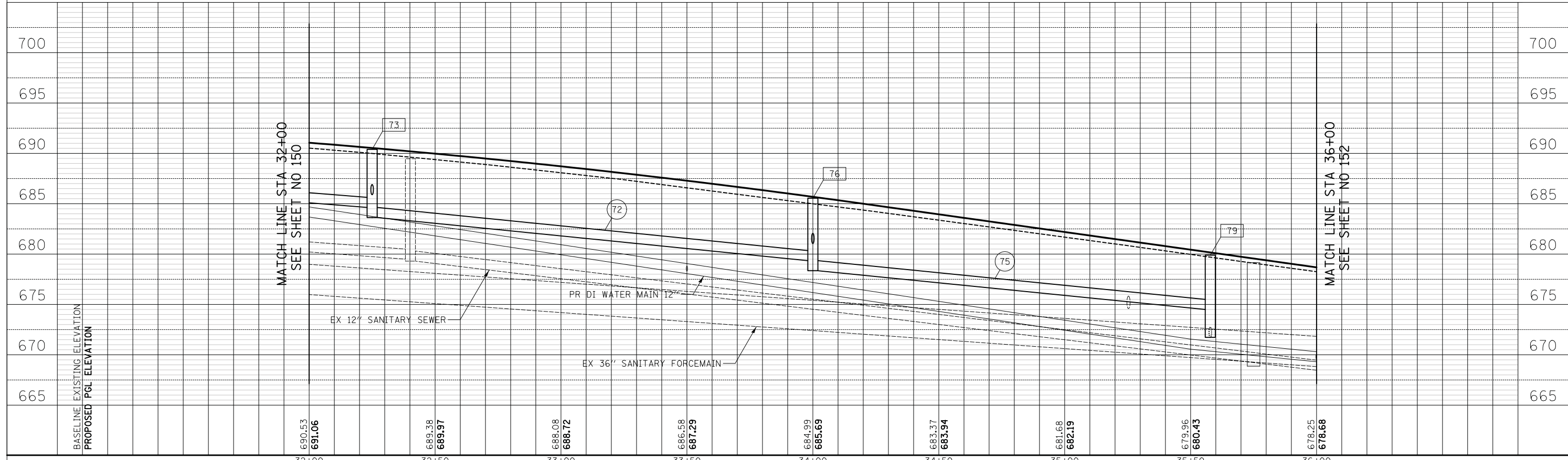
- 50 BOTTOM STORM = 685.82
APPX TOP WATER = 684.11
- 51 BOTTOM STORM = 685.89
APPX TOP SANITARY = 678.50
- 52 BOTTOM STORM = 686.13
TOP SANITARY = 680.91
- 53 BOTTOM STORM = 680.97
APPX TOP WATER = 679.16
- 54 BOTTOM STORM = 681.03
APPX TOP SANITARY = 675.35
- 55 BOTTOM STORM = 681.27
TOP SANITARY = 675.77
- 56 BOTTOM STORM = 675.30
APPX TOP WATER = 673.75
- 57 BOTTOM STORM = 675.35
APPX TOP SANITARY = 672.60
- 58 BOTTOM STORM = 675.74
TOP SANITARY = 670.82



- 70 20' - STORM SEW WM REQ, 12" @ 1.00%
TBF = 4 CU YD
- 71 42' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 6 CU YD
- 72 171' - STORM SEW CL A 2, 12" @ 2.50%
TBF = 0 CU YD
- 73 20' - STORM SEW WM REQ, 12" @ 1.00%
TBF = 4 CU YD
- 74 42' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 6 CU YD
- 75 154' - STORM SEW CL A 2, 12" @ 2.50%
TBF = 0 CU YD
- 76 20' - STORM SEW WM REQ, 12" @ 1.00%
TBF = 4 CU YD
- 77 42' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 6 CU YD
- 78 4' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 1 CU YD

NOTE:
1. SEE WATER MAIN RELOCATION PLAN SHEETS FOR PROPOSED WATER MAIN DETAILS.

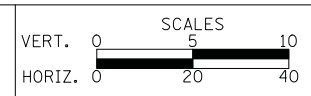
14TH STREET



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DRAINAGE AND UTILITIES
SHEET NO. 10 OF 24 SHEETS
STA. 32+00.0 TO STA. 36+00.0

F.A.U. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1228	99-00260-01-WR	LAKE	566	151
CONTRACT NO. 61F33				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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83 STA. 37+80, 43.0' RT
MAN TA 4 DIA TIF CL
RIM = 672.22
INV = 667.04 (12" E)
INV = 667.51 (12" S)

84 STA. 37+80, 21.0' LT
CB TA 4 DIA T24F&G
RIM = 672.19
INV = 667.77 (12" S)
INV = 667.67 (12" N)

85 STA. 37+80, 21.0' RT
CB TA 4 DIA T24F&G
RIM = 672.19
INV = 668.19 (12" N)
INV = 669.15 (12" SW)

86 STA. 37+66.9, 26.6' RT
REMOV CB - MAIN FLOW
RIM = 672.63
INV = 669.50 (12" NE)
INV = 669.50 (EX 12" SW)

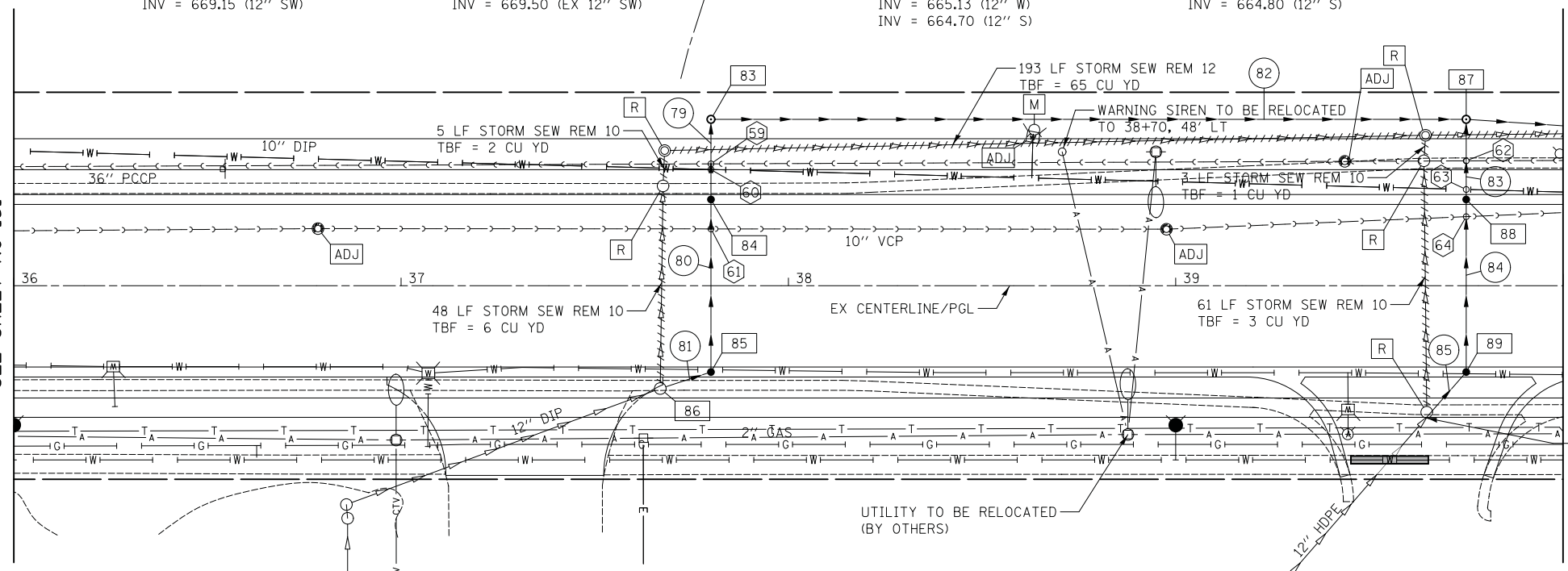
87 STA. 39+75, 43.0' LT
MAN TA 4 DIA TIF CL
RIM = 668.14
INV = 664.70 (15" E)
INV = 665.13 (12" W)
INV = 664.70 (12" S)

88 STA. 39+75, 21.0' LT
CB TA 4 DIA T24F&G
RIM = 668.11
INV = 664.80 (12" N)
INV = 664.80 (12" S)

89 STA. 39+75, 21.0' RT
CB TA 4 DIA T24F&G
RIM = 668.11
INV = 665.05 (12" N)
INV = 665.55 (12" SW)

- 59 BOTTOM STORM = 667.44
APPX TOP SANITARY = 667.00
- 60 BOTTOM STORM = 667.46
APPX TOP WATER = 666.75
- 61 BOTTOM STORM = 667.67
TOP SANITARY = 664.07
- 62 BOTTOM STORM = 664.59
APPX TOP SANITARY = 664.00
- 63 BOTTOM STORM = 664.63
APPX TOP WATER = 662.63
- 64 BOTTOM STORM = 664.65
TOP SANITARY = 659.72

MATCH LINE STA 36+00
SEE SHEET NO 151

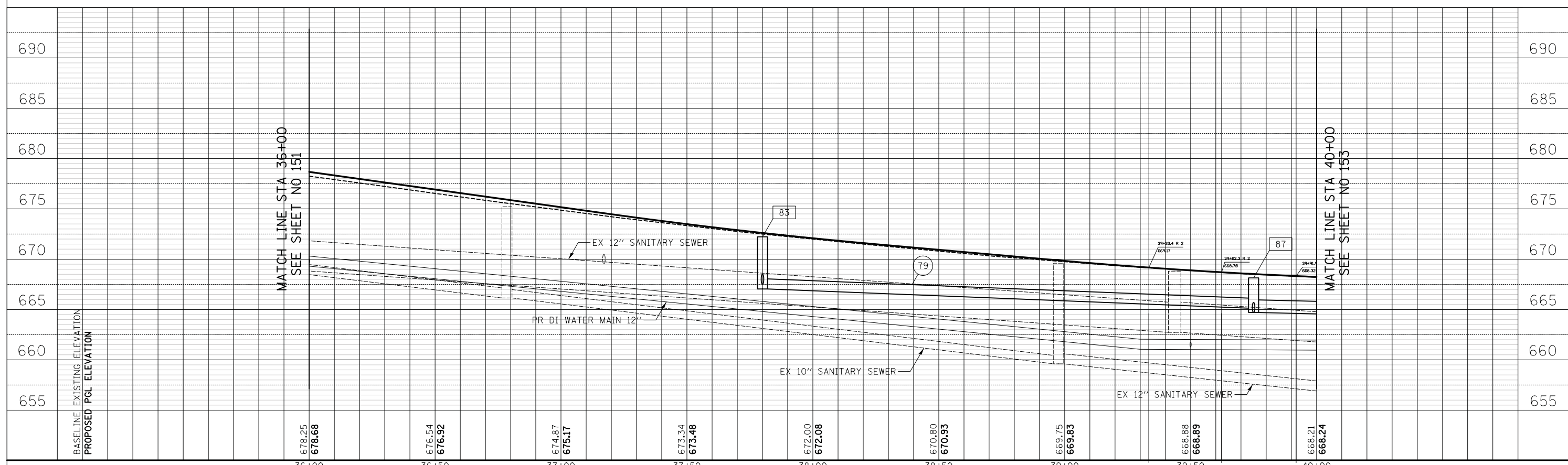


MATCH LINE STA 40+00
SEE SHEET NO 153

- 79 16' - STORM SEW WM REQ, 12" @ 1.00%
TBF = 4 CU YD
- 80 42' - STORM SEW CL A 2, 12" @ 1.00%
TBF = 8 CU YD
- 81 10' - STORM SEW CL A 1, 12" @ 0.50%
TBF = 0 CU YD
- 82 191' - STORM SEW CL A 2, 12" @ 1.00%
TBF = 0 CU YD
- 83 16' - STORM SEW WM REQ, 12" @ 0.60%
TBF = 3 CU YD
- 84 42' - STORM SEW CL A 1, 12" @ 0.60%
TBF = 3 CU YD
- 85 15' - STORM SEW CL A 1, 12" @ 0.44%
TBF = 2 CU YD

NOTE:
1. SEE WATER MAIN RELOCATION PLAN SHEETS FOR PROPOSED WATER MAIN DETAILS.

14TH STREET



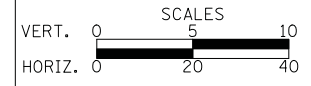
MATCH LINE STA 36+00
SEE SHEET NO 151

MATCH LINE STA 40+00
SEE SHEET NO 153

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DEPARTMENT OF TRANSPORTATION

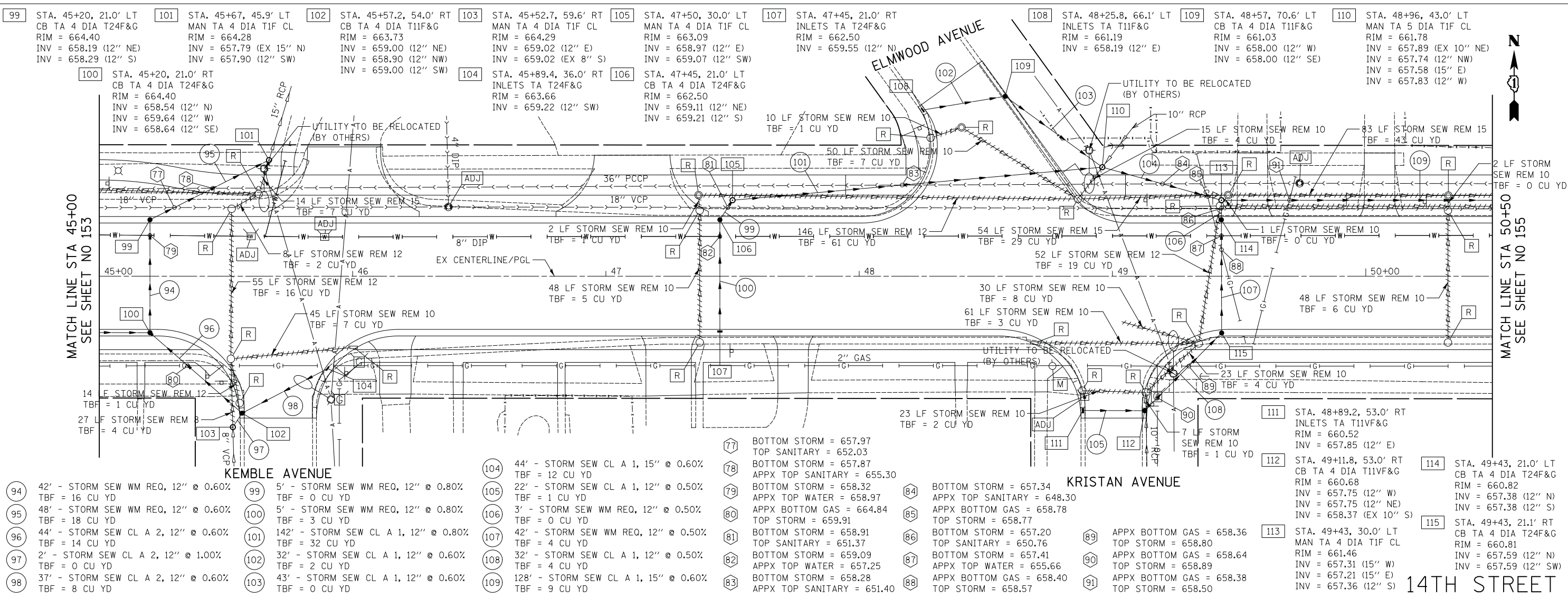


DRAINAGE AND UTILITIES

SHEET NO. 11 OF 24 SHEETS STA. 36+00.0 TO STA. 40+00.0

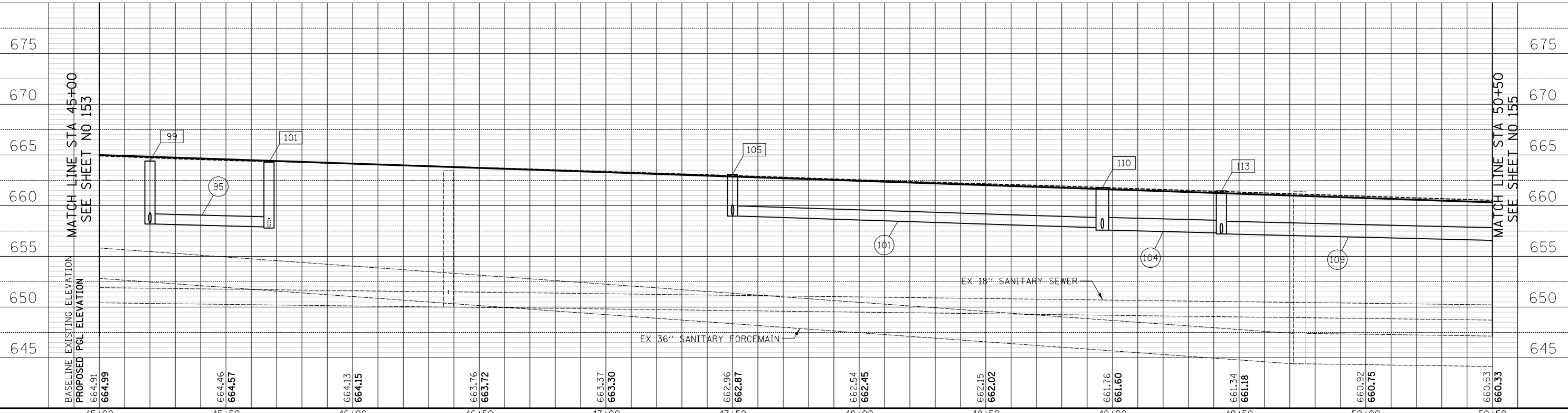
F.A.U. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1228	99-00260-01-WR	LAKE	566	152
CONTRACT NO. 61F33				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DATE	
BY	
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



94	42' - STORM SEW WM REQ, 12" @ 0.60% TBF = 16 CU YD	99	5' - STORM SEW WM REQ, 12" @ 0.80% TBF = 0 CU YD	104	44' - STORM SEW CL A 1, 15" @ 0.60% TBF = 12 CU YD	77	BOTTOM STORM = 657.97 TOP SANITARY = 652.03	84	BOTTOM STORM = 657.34 APPX TOP SANITARY = 648.30	111	STA. 48+89.2, 53.0' RT INLETS TA T11VF&G RIM = 660.52 INV = 657.85 (12" E)
95	48' - STORM SEW WM REQ, 12" @ 0.60% TBF = 18 CU YD	100	5' - STORM SEW WM REQ, 12" @ 0.80% TBF = 3 CU YD	105	22' - STORM SEW CL A 1, 12" @ 0.50% TBF = 1 CU YD	78	BOTTOM STORM = 657.87 APPX TOP SANITARY = 655.30	85	APPX BOTTOM GAS = 658.78 TOP STORM = 658.77	112	STA. 49+11.8, 53.0' RT CB TA 4 DIA T11VF&G RIM = 660.68 INV = 657.75 (12" W)
96	44' - STORM SEW CL A 2, 12" @ 0.60% TBF = 14 CU YD	101	142' - STORM SEW CL A 1, 12" @ 0.80% TBF = 32 CU YD	106	3' - STORM SEW WM REQ, 12" @ 0.50% TBF = 0 CU YD	79	BOTTOM STORM = 658.32 APPX TOP WATER = 658.97	86	BOTTOM STORM = 657.20 TOP SANITARY = 650.76	113	STA. 49+43, 30.0' LT MAN TA 4 DIA T1F CL RIM = 661.46 INV = 657.31 (15" W)
97	2' - STORM SEW CL A 2, 12" @ 1.00% TBF = 0 CU YD	102	32' - STORM SEW CL A 1, 12" @ 0.60% TBF = 2 CU YD	107	42' - STORM SEW WM REQ, 12" @ 0.50% TBF = 4 CU YD	80	BOTTOM STORM = 659.91 TOP STORM = 659.91	87	BOTTOM STORM = 657.41 APPX TOP WATER = 655.66	114	STA. 49+43, 21.1' RT CB TA 4 DIA T24F&G RIM = 660.81 INV = 657.59 (12" N)
98	37' - STORM SEW CL A 2, 12" @ 0.60% TBF = 8 CU YD	103	43' - STORM SEW CL A 1, 12" @ 0.60% TBF = 0 CU YD	108	32' - STORM SEW CL A 1, 12" @ 0.50% TBF = 4 CU YD	81	BOTTOM STORM = 658.91 TOP SANITARY = 651.37	88	APPX BOTTOM GAS = 658.40 TOP STORM = 658.57	115	STA. 49+43, 21.1' RT CB TA 4 DIA T24F&G RIM = 660.81 INV = 657.59 (12" N)
				109	128' - STORM SEW CL A 1, 15" @ 0.60% TBF = 9 CU YD	82	BOTTOM STORM = 659.09 APPX TOP WATER = 657.25	89	APPX BOTTOM GAS = 658.36 TOP STORM = 658.80		
						83	BOTTOM STORM = 658.28 APPX TOP SANITARY = 651.40	90	APPX BOTTOM GAS = 658.64 TOP STORM = 658.89		
								91	APPX BOTTOM GAS = 658.38 TOP STORM = 658.50		

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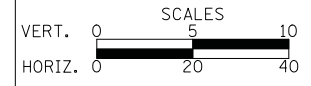


BASELINE EXISTING ELEVATION	PROPOSED PGL ELEVATION	45+00	45+50	46+00	46+50	47+00	47+50	48+00	48+50	49+00	49+50	50+00	50+50
		664.91	664.99	664.46	664.57	664.13	664.15	663.76	663.72	663.37	663.30	662.96	662.87

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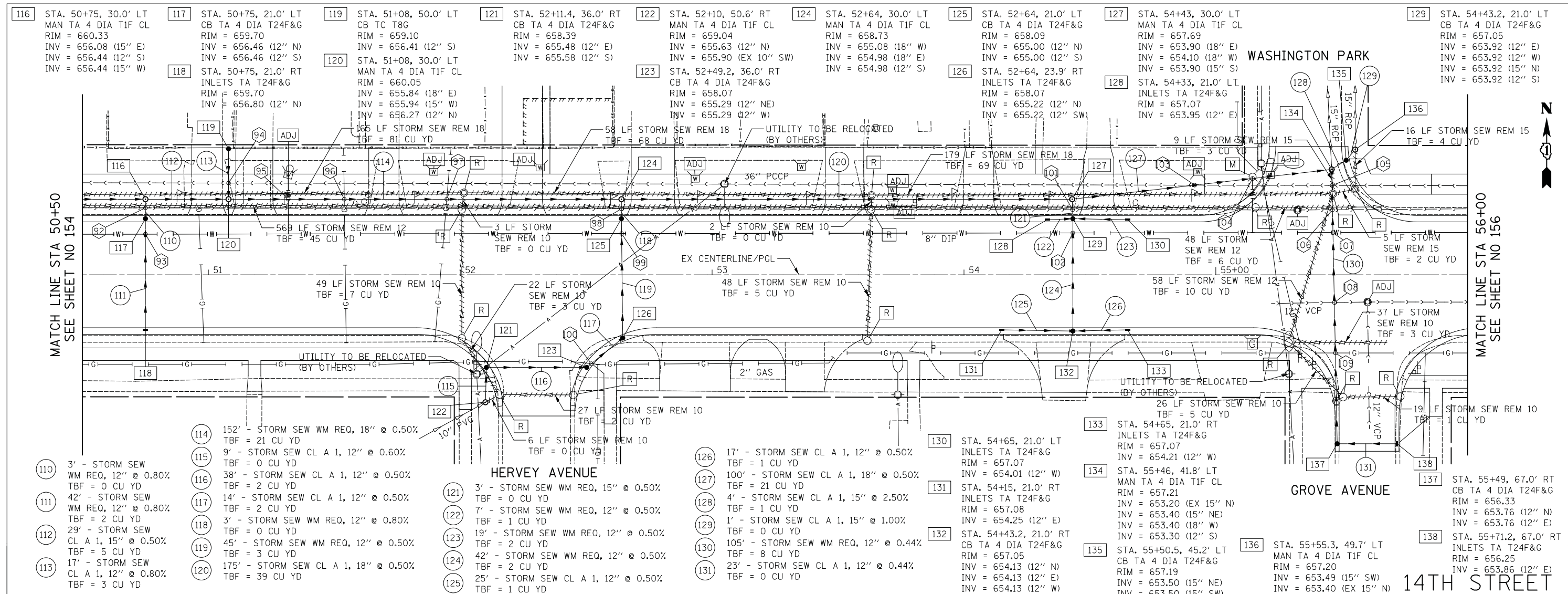


DRAINAGE AND UTILITIES
 SHEET NO. 13 OF 24 SHEETS
 STA. 45+00.0 TO STA. 50+50.0

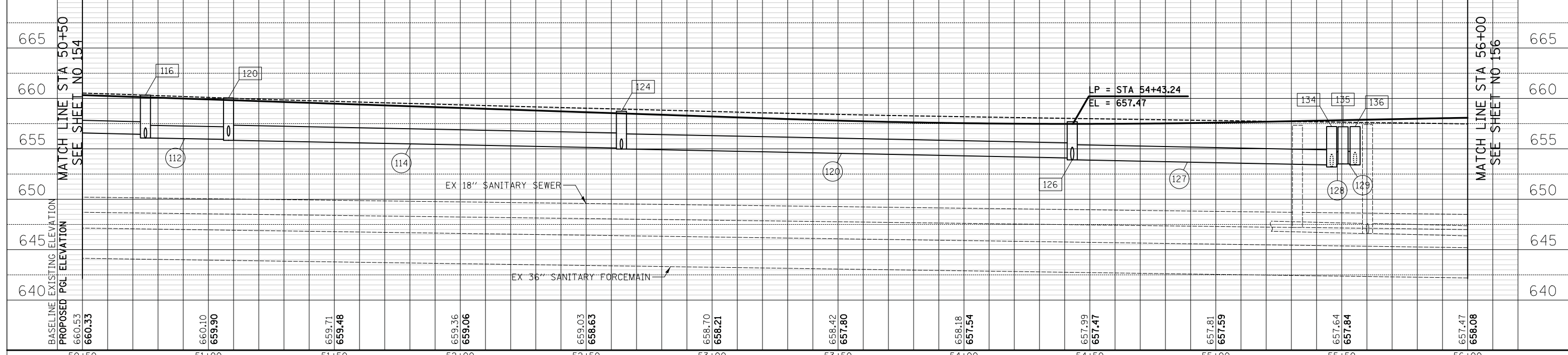
F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1228	99-00260-01-WR	LAKE	566	154
CONTRACT NO. 61F33				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

DATE	
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PLOTTED	
TEMPLATE	
AREAS CHECKED	
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DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
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92	BOTTOM STORM = 656.28 TOP SANITARY = 650.34	94	BOTTOM STORM = 656.14 APPX TOP SANITARY = 646.90	96	APPX BOTTOM GAS = 658.83 TOP STORM = 657.25	98	BOTTOM STORM = 654.82 TOP SANITARY = 649.75	100	APPX BOTTOM GAS = 656.36 TOP STORM = 656.45	102	BOTTOM STORM = 653.78 APPX TOP WATER = 652.28	104	BOTTOM STORM = 653.35 APPX TOP WATER = 651.97	106	BOTTOM STORM = 653.19 TOP SANITARY = 648.87	108	BOTTOM STORM = 653.35 APPX TOP SANITARY = 647.76
93	BOTTOM STORM = 656.31 APPX TOP WATER = 654.55	95	BOTTOM STORM = 655.61 APPX TOP WATER = 654.39	97	APPX BOTTOM GAS = 656.67 TOP STORM = 657.05	99	BOTTOM STORM = 655.19 APPX TOP WATER = 653.20	101	BOTTOM STORM = 653.72 TOP SANITARY = 649.18	103	BOTTOM STORM = 653.46 APPX TOP SANITARY = 645.60	105	BOTTOM STORM = 653.15 APPX TOP SANITARY = 645.40	107	BOTTOM STORM = 653.23 APPX TOP WATER = 651.89	109	APPX BOTTOM GAS = 645.01 TOP STORM = 645.78

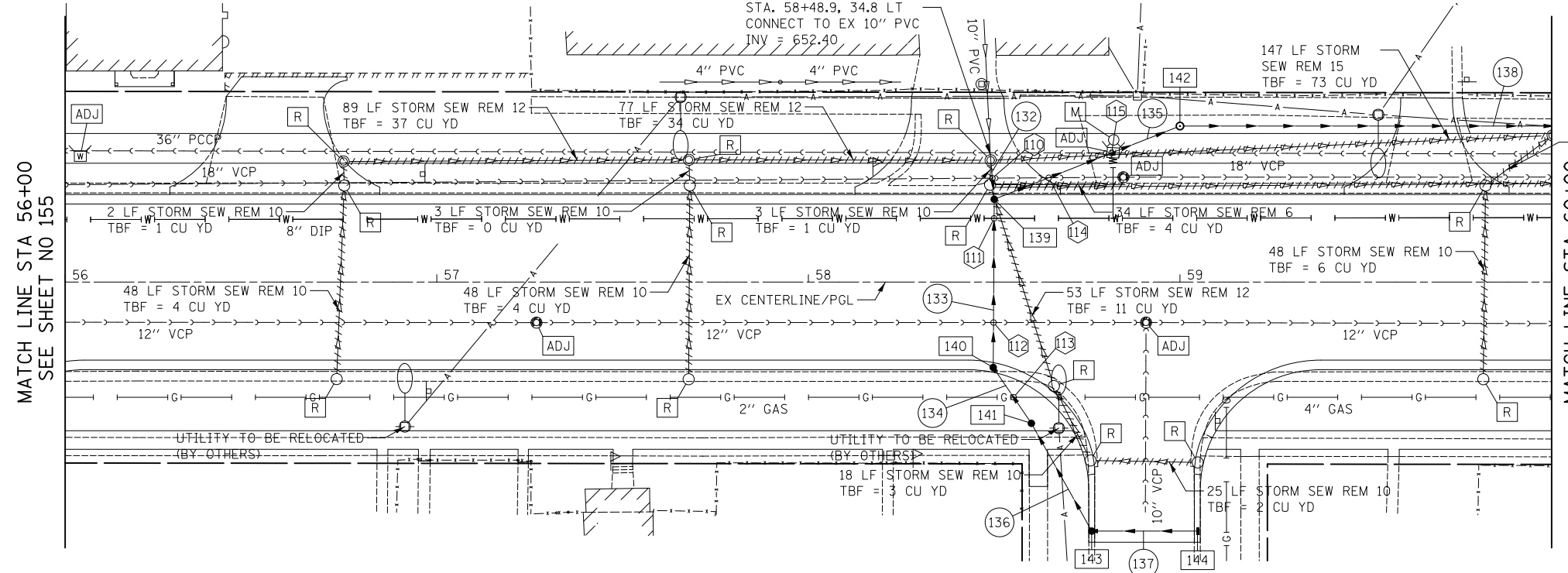


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	SHEET NO. 14 OF 24 SHEETS STA. 50+50.0 TO STA. 56+00.0					CONTRACT NO. 61F33 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

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AREAS CHECKED	
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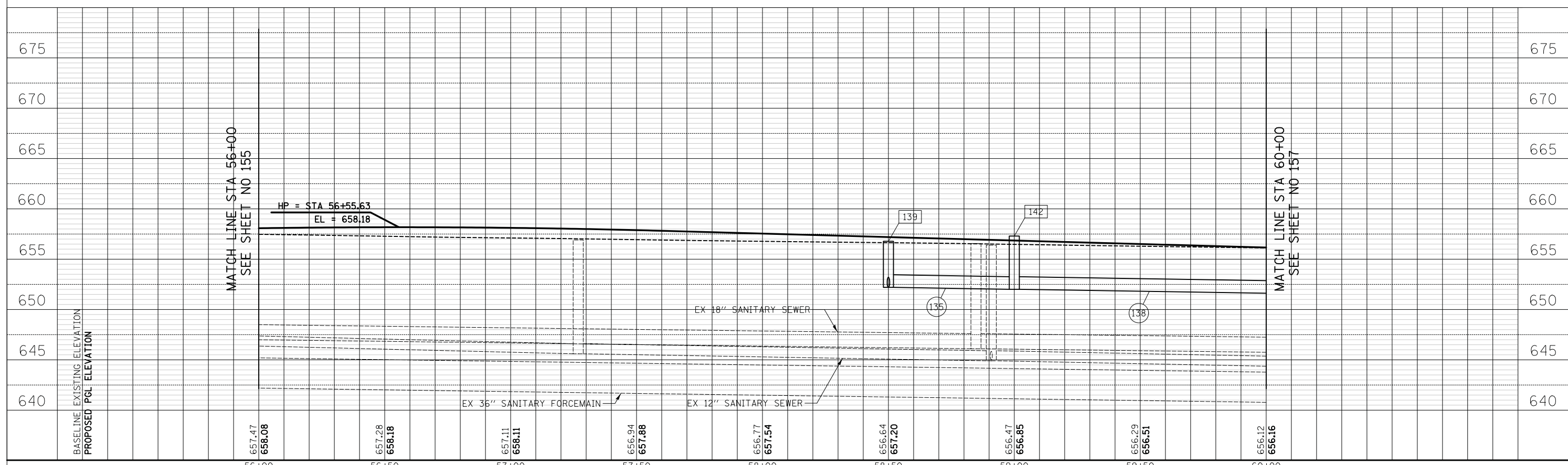
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139 STA. 58+50, 21.0' LT CB TA 4 DIA T24F&G RIM = 656.78 INV = 652.30 (10" N) INV = 652.20 (15" E) INV = 652.20 (12" S)	140 STA. 58+50, 21.7' RT CB TA 4 DIA T24F&G RIM = 656.77 INV = 652.42 (12" N) INV = 652.42 (12" SE)	141 STA. 58+60, 38.0' RT CB TA 4 DIA T8G RIM = 656.46 INV = 652.49 (12" NW) INV = 652.49 (12" SE)	142 STA. 59+00, 42.0' LT MAN TA 4 DIA T1F CL RIM = 657.30 INV = 652.01 (15" E) INV = 652.01 (15" W)	143 STA. 58+77, 67.0' RT CB TA 4 DIA T11F&G RIM = 655.67 INV = 652.63 (12" E) INV = 652.63 (12" NW)	144 STA. 59+03.9, 67.0' RT INLETS TA T11F&G RIM = 655.54 INV = 652.76 (12" W)
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110	BOTTOM STORM = 652.18 TOP SANITARY = 647.91
111	BOTTOM STORM = 652.05 APPX TOP WATER = 650.89
112	BOTTOM STORM = 652.19 TOP SANITARY = 646.24
113	APPX BOTTOM GAS = 653.97 TOP STORM = 653.62
114	BOTTOM STORM = 651.96 TOP SANITARY = 647.87
115	BOTTOM STORM = 651.89 APPX TOP SANITARY = 644.20

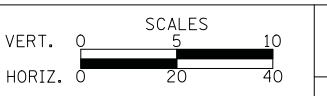
132 10' - STORM SEW WM REQ, 10" @ 1.00% TBF = 3 CU YD	134 14' - STORM SEW CL A 1, 12" @ 0.50% TBF = 1 CU YD	136 29' - STORM SEW CL A 1, 12" @ 0.50% TBF = 3 CU YD	138 135' - STORM SEW CL A 2, 15" @ 0.40% TBF = 53 CU YD
133 43' - STORM SEW WM REQ, 12" @ 0.50% TBF = 9 CU YD	135 50' - STORM SEW WM REQ, 15" @ 0.38% TBF = 12 CU YD	137 27' - STORM SEW CL A 1, 12" @ 0.50% TBF = 2 CU YD	



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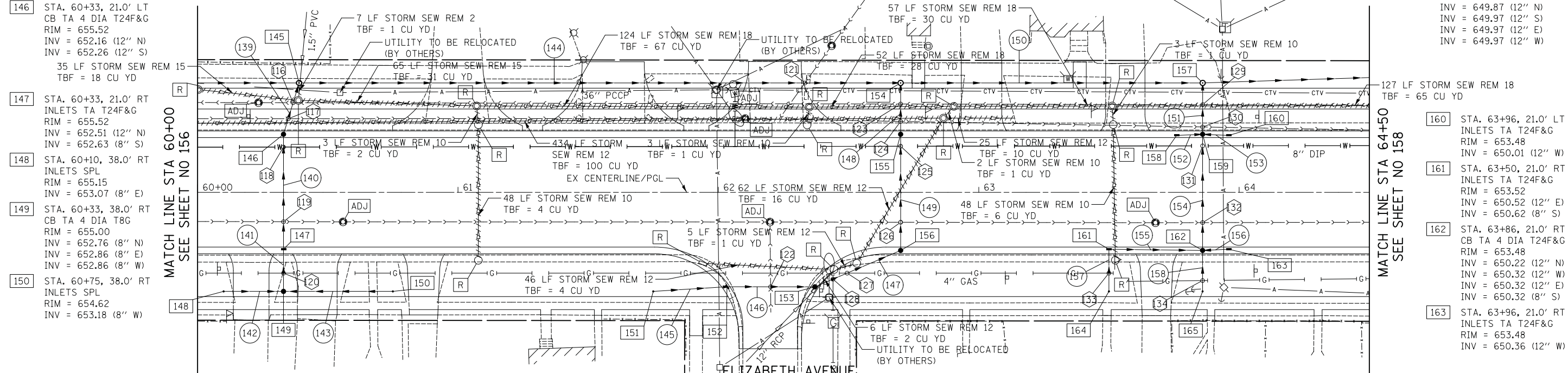
DRAINAGE AND UTILITIES
SHEET NO. 15 OF 24 SHEETS STA. 56+00.0 TO STA. 60+00.0

F.A.U. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1228	99-00260-01-WR	LAKE	566	156
CONTRACT NO. 61F33				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



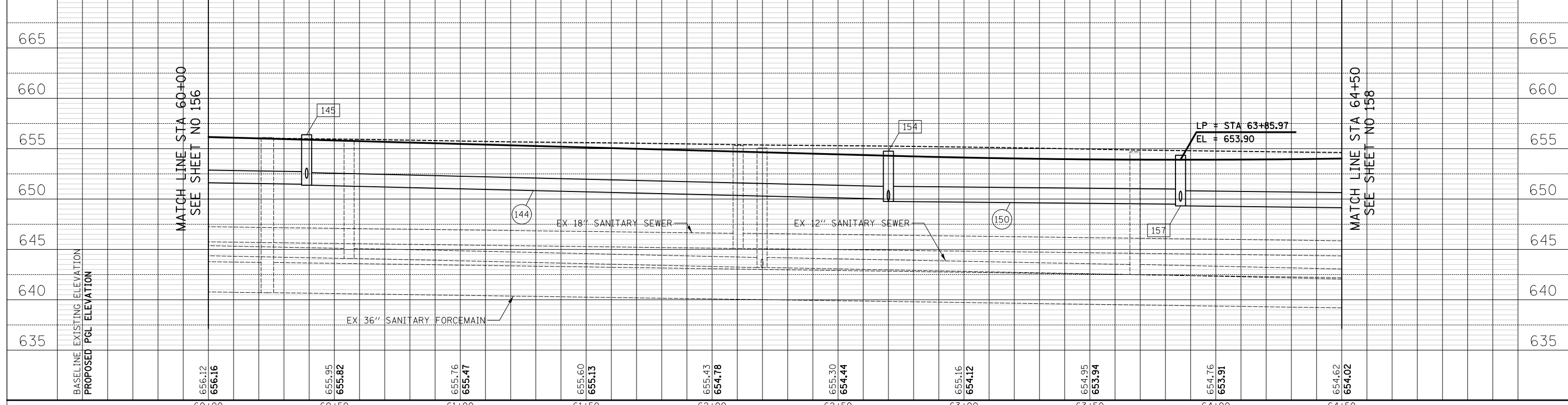
- 145 STA. 60+39, 42.0' LT MAN TA 4 DIA TIF CL RIM = 656.38 INV = 652.06 (12" S) INV = 651.47 (15" W) INV = 651.37 (15" E) INV = 654.80 (EX 1 1/2" N)
- 151 STA. 61+75, 38.0' RT INLETS SPL RIM = 653.82 INV = 650.83 (8" E)
- 152 STA. 62+04.1, 35.7' RT INLETS TA T24F&G RIM = 654.11 INV = 650.56 (12" E) INV = 650.66 (8" W)
- 153 STA. 62+36, 35.5' RT CB TA 4 DIA T24F&G RIM = 653.90 INV = 650.40 (12" W) INV = 650.30 (12" NE) INV = 650.30 (EX 12" SW)
- 154 STA. 62+70, 42.0' LT MAN TA 4 DIA TIF CL RIM = 654.75 INV = 649.76 (18" E) INV = 650.01 (15" W) INV = 649.86 (12" S)
- 155 STA. 62+70, 21.0' LT CB TA 4 DIA T24F&G RIM = 653.88 INV = 649.93 (12" N) INV = 649.93 (12" S)
- 156 STA. 62+70, 21.0' RT CB TA 4 DIA T24F&G RIM = 653.88 INV = 650.14 (12" N) INV = 650.14 (12" SW)
- 157 STA. 63+86, 42.0' LT MAN TA 4 DIA TIF CL RIM = 654.35 INV = 649.32 (18" E) INV = 649.49 (18" W) INV = 649.78 (12" S)
- 158 STA. 63+76, 21.0' LT INLETS TA T24F&G RIM = 653.48 INV = 650.01 (12" E) INV = 650.01 (12" N) INV = 649.87 (12" W) INV = 649.97 (12" S) INV = 649.97 (12" E) INV = 649.97 (12" W)
- 159 STA. 63+86, 21.0' LT CB TA 4 DIA T24F&G RIM = 653.48 INV = 649.87 (12" N) INV = 649.97 (12" S) INV = 649.97 (12" E) INV = 649.97 (12" W)

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ORIGINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED	
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- 139 16' - STORM SEW WM REQ, 12" @ 0.60% TBF = 4 CU YD
- 140 42' - STORM SEW WM REQ, 12" @ 0.60% TBF = 3 CU YD
- 141 13' - PIPE DRAINS, 8" @ 1.00% TBF = 1 CU YD
- 142 21' - PIPE DRAINS, 8" @ 1.00% TBF = 2 CU YD
- 143 40' - PIPE DRAINS, 8" @ 1.00% TBF = 3 CU YD
- 144 227' - STORM SEW CL A 2, 15" @ 0.60% TBF = 83 CU YD
- 145 27' - PIPE DRAINS, 8" @ 1.00% TBF = 1 CU YD
- 146 32' - STORM SEW CL A 1, 12" @ 0.50% TBF = 4 CU YD
- 147 31' - STORM SEW CL A 1, 12" @ 0.50% TBF = 0 CU YD
- 148 15' - STORM SEW WM REQ, 12" @ 0.50% TBF = 4 CU YD
- 149 42' - STORM SEW WM REQ, 12" @ 0.50% TBF = 6 CU YD
- 150 112' - STORM SEW CL A 2, 18" @ 0.30% TBF = 43 CU YD
- 151 15' - STORM SEW WM REQ, 12" @ 0.60% TBF = 4 CU YD
- 152 7' - STORM SEW WM REQ, 12" @ 0.60% TBF = 1 CU YD
- 153 7' - STORM SEW WM REQ, 12" @ 0.60% TBF = 1 CU YD
- 154 42' - STORM SEW WM REQ, 12" @ 0.60% TBF = 4 CU YD
- 155 33' - STORM SEW CL A 1, 12" @ 0.60% TBF = 2 CU YD
- 156 7' - STORM SEW CL A 1, 12" @ 0.60% TBF = 1 CU YD
- 157 15' - PIPE DRAINS, 8" @ 1.00% TBF = 1 CU YD
- 158 13' - PIPE DRAINS, 8" @ 1.00% TBF = 1 CU YD
- 164 STA. 63+50, 38.0' RT INLETS SPL RIM = 653.36 INV = 650.77 (8" N)
- 165 STA. 63+86, 38.0' RT INLETS SPL RIM = 653.20 INV = 650.45 (8" N)

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166 STA. 65+38, 46.5' LT MAN TA 4 DIA T1F CL RIM = 653.32 INV = 648.70 (EX 18" N) INV = 648.89 (18" W)

167 STA. 65+19.3, 33.0' RT MAN TA 7 DIA T1F CL RIM = 653.65 INV = 647.70 (48" E) INV = 648.30 (EX 12" S)

168 STA. 67+15, 21.0' LT INLETS TA T24F&G RIM = 653.06 INV = 649.56 (12" S)

169 STA. 67+15, 21.0' RT CB TA 4 DIA T24F&G RIM = 653.06 INV = 649.14 (12" N) INV = 649.04 (12" S)

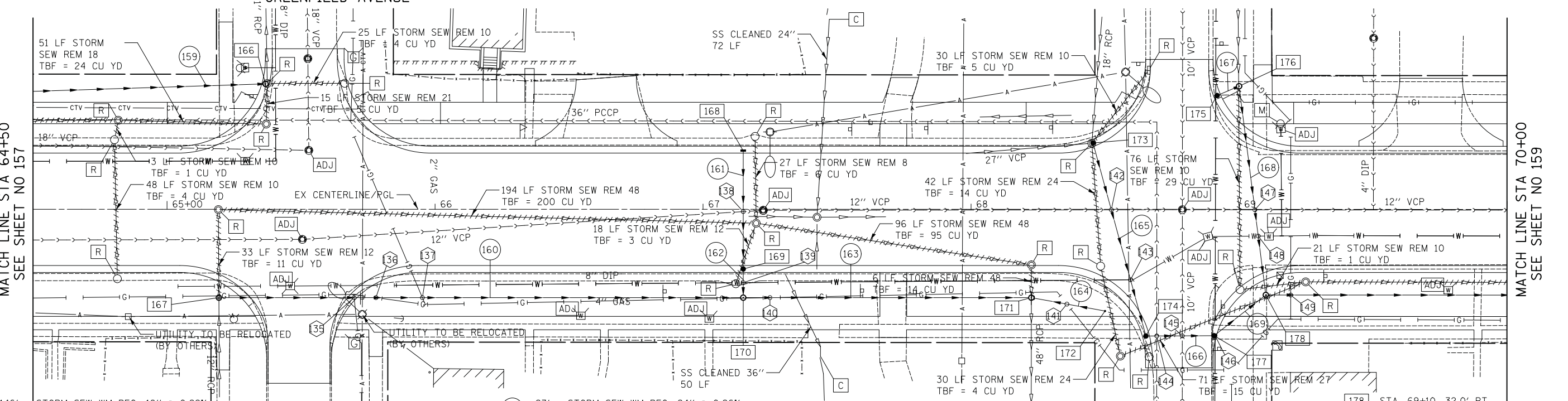
170 STA. 67+15, 33.0' RT MAN TA 7 DIA T1F CL RIM = 653.44 INV = 648.99 (12" N) INV = 647.10 (48" W) INV = 646.40 (48" E)

171 STA. 68+22.5, 33.0' RT MAN TA 9 DIA T1F CL RIM = 651.93 INV = 645.85 (48" W) INV = 645.74 (EX 48" S) INV = 647.77 (8" E)

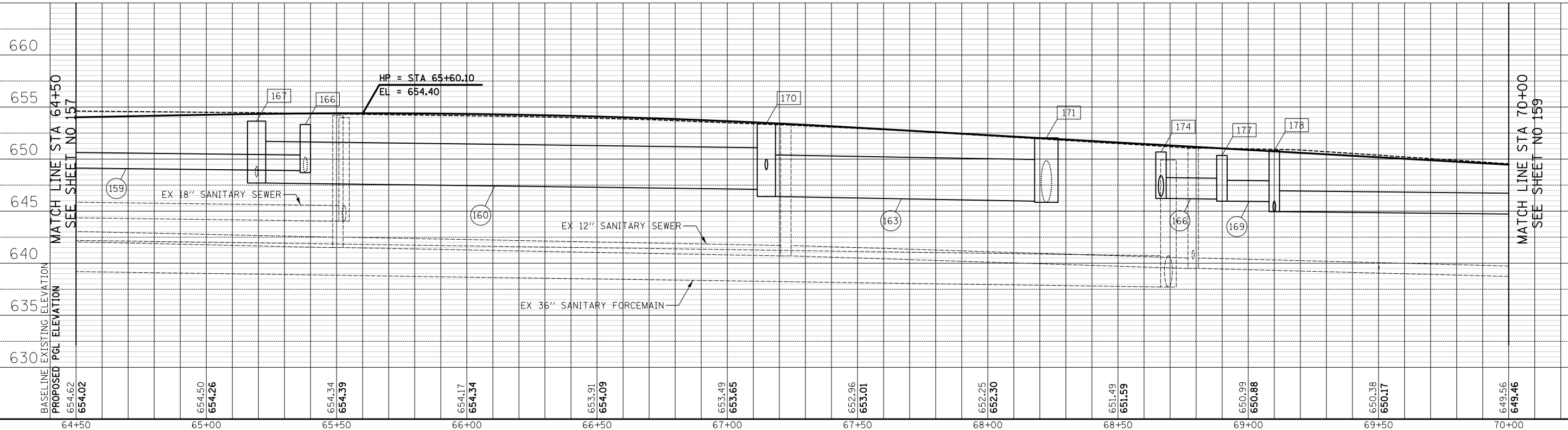
172 STA. 68+50, 38.0' RT INLETS SPL RIM = 651.24 INV = 648.00 (8" W)

173 STA. 68+46, 23.6' LT CB TA 5 DIA T24F&G RIM = 651.20 INV = 646.80 (EX 18" N) INV = 646.70 (EX 27" W) INV = 646.60 (24" S)

174 STA. 68+66.5, 47.0' LT CB TA 4 DIA T24F&G RIM = 650.68 INV = 646.22 (24" E) INV = 646.42 (24" N)



159	146' - STORM SEW WM REQ, 18" @ 0.29% TBF = 4 CU YD	166	23' - STORM SEW WM REQ, 24" @ 0.26% TBF = 4 CU YD	175	STA. 68+90.6, 42.0' LT CB TA 4 DIA T11F&G RIM = 650.39 INV = 647.00 (12" W)	176	STA. 69+00, 46.0' LT MAN TA 4 DIA T1F CL RIM = 651.10 INV = 645.28 (12" S) INV = 646.96 (12" W) INV = 645.29 (EX 10" N)	177	STA. 68+89.9, 47.0' RT CB TA 4 DIA T11VF&G RIM = 650.35 INV = 645.96 (24" NE) INV = 646.16 (24" W)	178	STA. 69+10, 32.0' RT MAN TA 4 DIA T1F CL RIM = 650.83 INV = 644.95 (12" N) INV = 644.95 (24" E) INV = 645.92 (24" SW)
160	189' - STORM SEW WM REQ, 48" @ 0.32% TBF = 19 CU YD	167	4' - STORM SEW WM REQ, 12" @ 1.00% TBF = 1 CU YD	176	STA. 69+00, 46.0' LT MAN TA 4 DIA T1F CL RIM = 651.10 INV = 645.28 (12" S) INV = 646.96 (12" W) INV = 645.29 (EX 10" N)	177	STA. 68+89.9, 47.0' RT CB TA 4 DIA T11VF&G RIM = 650.35 INV = 645.96 (24" NE) INV = 646.16 (24" W)	178	STA. 69+10, 32.0' RT MAN TA 4 DIA T1F CL RIM = 650.83 INV = 644.95 (12" N) INV = 644.95 (24" E) INV = 645.92 (24" SW)		
161	42' - STORM SEW CL A 1, 12" @ 1.00% TBF = 6 CU YD	168	75' - STORM SEW WM REQ, 12" @ 0.44% TBF = 31 CU YD	176	STA. 69+00, 46.0' LT MAN TA 4 DIA T1F CL RIM = 651.10 INV = 645.28 (12" S) INV = 646.96 (12" W) INV = 645.29 (EX 10" N)	177	STA. 68+89.9, 47.0' RT CB TA 4 DIA T11VF&G RIM = 650.35 INV = 645.96 (24" NE) INV = 646.16 (24" W)	178	STA. 69+10, 32.0' RT MAN TA 4 DIA T1F CL RIM = 650.83 INV = 644.95 (12" N) INV = 644.95 (24" E) INV = 645.92 (24" SW)		
162	5' - STORM SEW WM REQ, 12" @ 1.00% TBF = 0 CU YD	169	15' - STORM SEW WM REQ, 24" @ 0.27% TBF = 3 CU YD	176	STA. 69+00, 46.0' LT MAN TA 4 DIA T1F CL RIM = 651.10 INV = 645.28 (12" S) INV = 646.96 (12" W) INV = 645.29 (EX 10" N)	177	STA. 68+89.9, 47.0' RT CB TA 4 DIA T11VF&G RIM = 650.35 INV = 645.96 (24" NE) INV = 646.16 (24" W)	178	STA. 69+10, 32.0' RT MAN TA 4 DIA T1F CL RIM = 650.83 INV = 644.95 (12" N) INV = 644.95 (24" E) INV = 645.92 (24" SW)		
139	APPX BOTTOM GAS = 650.36 TOP STORM = 651.97	141	APPX BOTTOM GAS = 649.07 TOP STORM = 648.69	143	BOTTOM STORM = 646.23 APPX TOP WATER = 645.62	145	BOTTOM STORM = 645.94 TOP SANITARY = 641.51	147	BOTTOM STORM = 644.92 TOP SANITARY = 640.50	149	APPX BOTTOM GAS = 647.75 TOP STORM = 647.18
136	APPX BOTTOM GAS = 650.66 TOP STORM = 651.94	140	APPX BOTTOM GAS = 650.42 TOP STORM = 650.78	144	BOTTOM STORM = 646.29 TOP SANITARY = 640.86	146	BOTTOM STRUCTURE = 643.46 APPX TOP WATER = 645.31	148	BOTTOM STORM = 644.88 APPX TOP WATER = 645.25		
137	APPX BOTTOM GAS = 650.66 TOP STORM = 651.88	140	APPX BOTTOM GAS = 650.42 TOP STORM = 650.78	144	BOTTOM STORM = 646.29 TOP SANITARY = 640.86	146	BOTTOM STRUCTURE = 643.46 APPX TOP WATER = 645.31	148	BOTTOM STORM = 644.88 APPX TOP WATER = 645.25		
139	BOTTOM STORM = 648.85 APPX TOP WATER = 647.46	140	APPX BOTTOM GAS = 650.42 TOP STORM = 650.78	144	BOTTOM STORM = 646.29 TOP SANITARY = 640.86	146	BOTTOM STRUCTURE = 643.46 APPX TOP WATER = 645.31	148	BOTTOM STORM = 644.88 APPX TOP WATER = 645.25		



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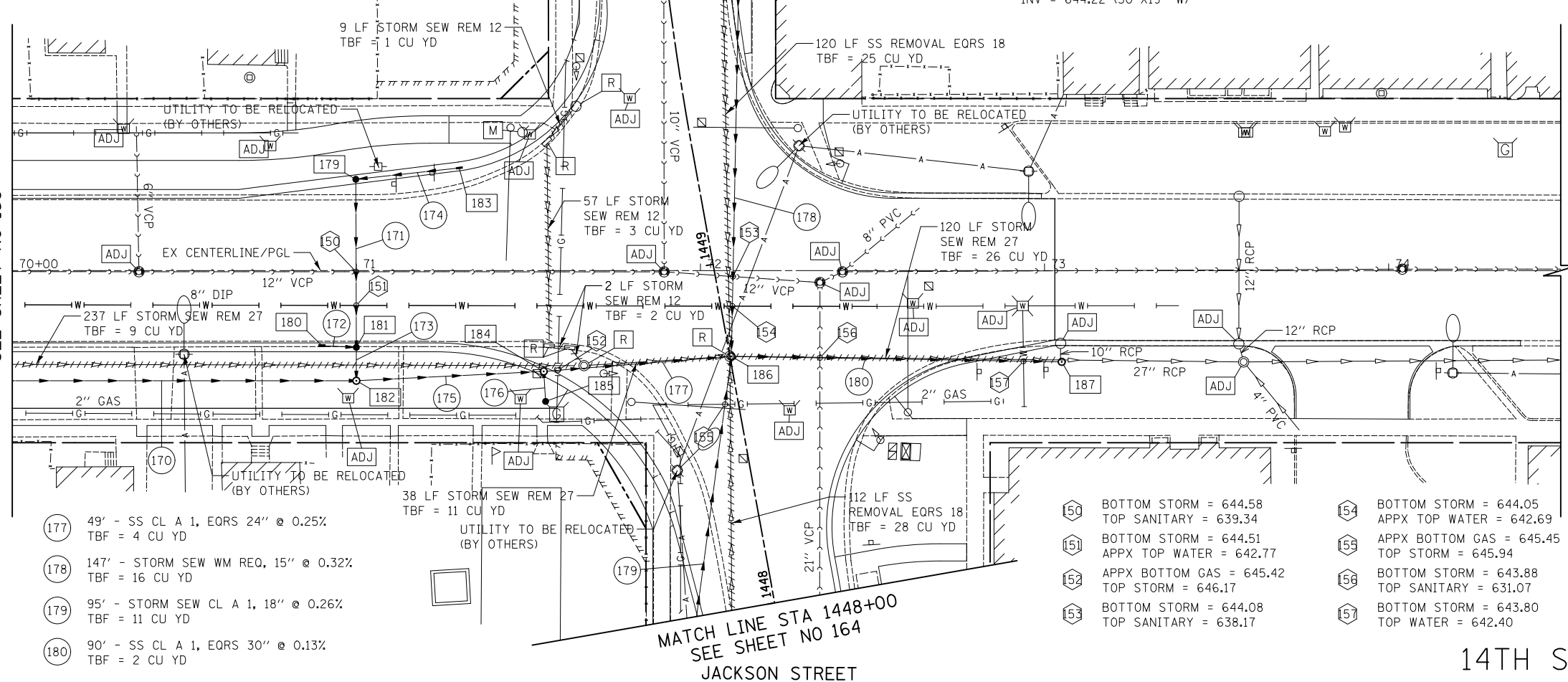


- 179 STA. 71+00, 25.2' LT
CB TA 4 DIA T24F&G
RIM = 647.96
INV = 644.93 (12" E)
INV = 644.93 (12" S)
- 180 STA. 70+90, 21.0' RT
INLETS TA T24F&G
RIM = 648.06
INV = 644.65 (12" E)
- 181 STA. 71+00, 21.0' RT
CB TA 4 DIA T24F&G
RIM = 648.02
INV = 644.61 (12" N)
INV = 644.61 (12" S)
INV = 644.61 (12" W)
- 182 STA. 71+00, 32.0' RT
MAN TA 4 DIA T1F CL
RIM = 648.63
INV = 644.57 (12" N)
INV = 644.47 (24" E)
INV = 644.47 (24" W)
- 183 STA. 71+30, 29.0' LT
INLETS TA T24F&G
RIM = 647.93
INV = 645.09 (12" W)
- 184 STA. 71+55, 28.1' RT
MAN TA 5 DIA T1F CL
RIM = 648.00
INV = 644.34 (24" W)
INV = 644.34 (30"X19" E)
INV = 645.15 (12" S)
- 185 STA. 71+55, 38.0' RT
CB TC T8G
RIM = 648.26
INV = 645.19 (12" N)
- 186 STA. 72+09, 24.9' RT
MAN TA 7 DIA T1F CL
RIM = 648.28
INV = 644.20 (15" N)
INV = 644.20 (38"X24" E)
INV = 644.20 (18" S)
INV = 644.22 (30"X19" W)
- 187 STA. 73+05, 26.5' RT
MAN TA 5 DIA T1F CL
RIM = 647.89
INV = 645.00 (10" N)
INV = 644.08 (38"X24" W)
INV = 644.16 (EX 27" E)

MATCH LINE STA 70+00
SEE SHEET NO 158

MATCH LINE STA 1449+90
SEE SHEET NO 165

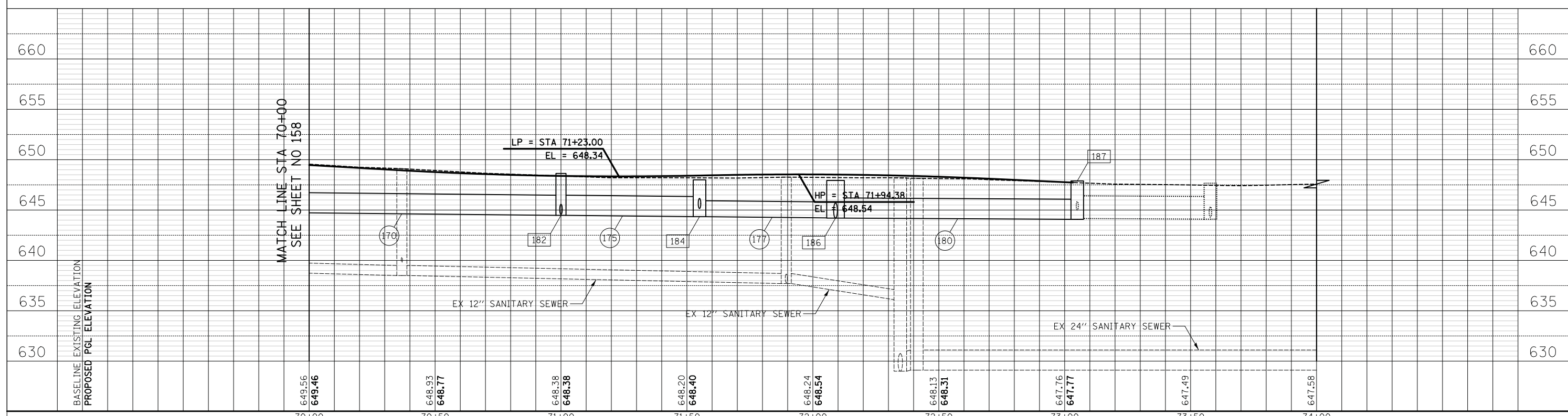
MATCH LINE STA 1448+00
SEE SHEET NO 164



- 170 186' - STORM SEW CL A 2, 24" @ 0.25%
TBF = 0 CU YD
- 171 46' - STORM SEW WM REQ, 12" @ 0.70%
TBF = 4 CU YD
- 172 7' - STORM SEW CL A 1, 12" @ 0.60%
TBF = 1 CU YD
- 173 5' - STORM SEW CL A 2, 12" @ 0.80%
TBF = 0 CU YD
- 174 27' - STORM SEW CL A 1, 12" @ 0.60%
TBF = 2 CU YD
- 175 50' - STORM SEW CL A 1, 24" @ 0.25%
TBF = 1 CU YD
- 176 4' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 0 CU YD
- 177 49' - SS CL A 1, EQRS 24" @ 0.25%
TBF = 4 CU YD
- 178 147' - STORM SEW WM REQ, 15" @ 0.32%
TBF = 16 CU YD
- 179 95' - STORM SEW CL A 1, 18" @ 0.26%
TBF = 11 CU YD
- 180 90' - SS CL A 1, EQRS 30" @ 0.13%
TBF = 2 CU YD

- 50 BOTTOM STORM = 644.58
TOP SANITARY = 639.34
- 51 BOTTOM STORM = 644.51
APPX TOP WATER = 642.77
- 52 APPX BOTTOM GAS = 645.42
TOP STORM = 646.17
- 53 BOTTOM STORM = 644.08
TOP SANITARY = 638.17
- 54 BOTTOM STORM = 644.05
APPX TOP WATER = 642.69
- 55 APPX BOTTOM GAS = 645.45
TOP STORM = 645.94
- 56 BOTTOM STORM = 643.88
TOP SANITARY = 631.07
- 57 BOTTOM STORM = 643.80
TOP WATER = 642.40

14TH STREET



DESIGNED - PK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	VERT. 0 5 10 HORIZ. 0 20 40	DRAINAGE AND UTILITIES	F.A.U. R.T.E. 1228	SECTION 99-00260-01-WR	COUNTY LAKE	TOTAL SHEETS 566	SHEET NO. 159		
DRAWN - PK	REVISED -				SHEET NO. 18 OF 24 SHEETS			STA. 70+00.0 TO STA. 74+00.0			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT
CHECKED - JRV	REVISED -				CONTRACT NO. 61F33						
DATE - 11/7/2018	REVISED -										

CIVILTECH
 Two Pierce Place, Suite 1400
 Itasca, Illinois 60143
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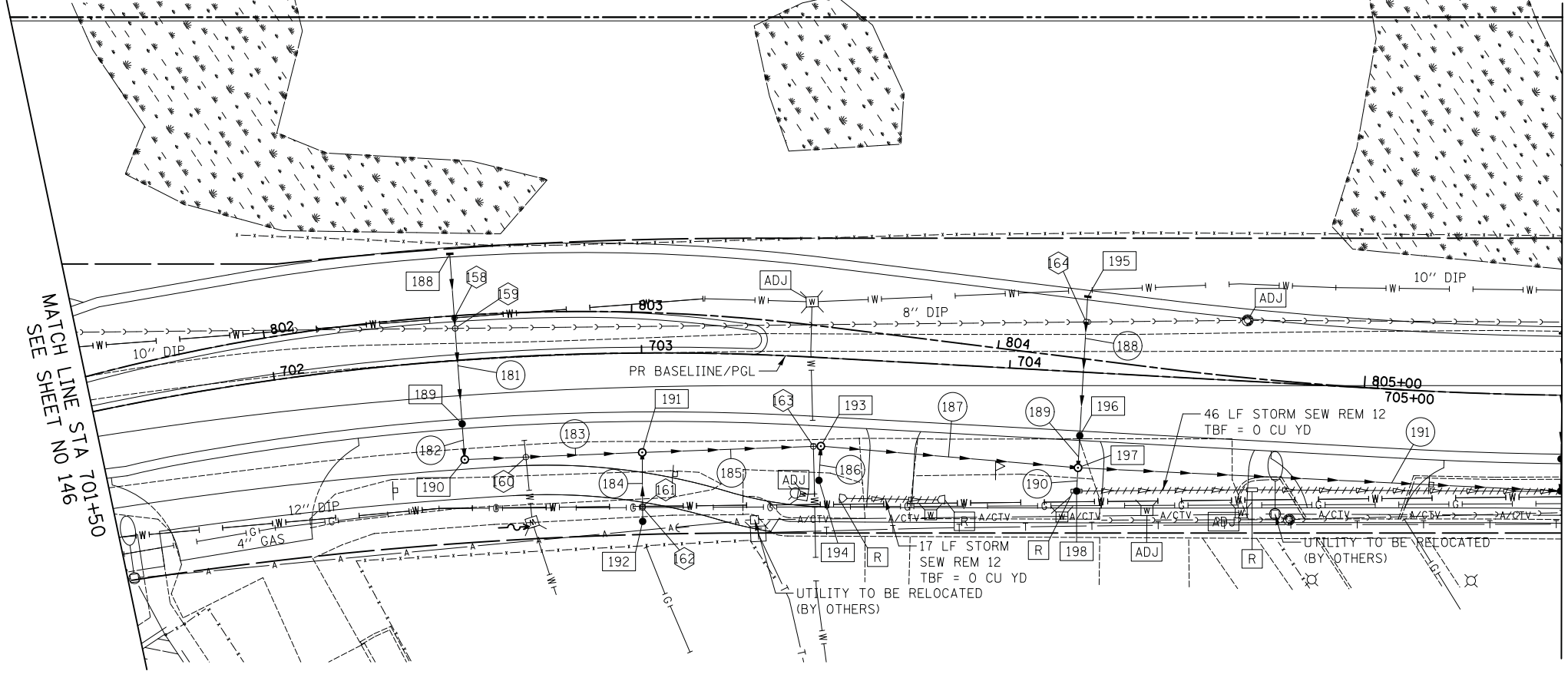
- 188 STA. 702+50, 28.1' LT
INLETS TA T24F&G
RIM = 706.23
INV = 701.90 (12" SE)
- 189 STA. 702+50, 16.0' RT
CB TA 4 DIA T24F&G
RIM = 706.12
INV = 701.46 (12" NW)
INV = 701.36 (12" SE)
- 190 STA. 702+50, 27.0' RT
MAN TA 4 DIA T1F CL
RIM = 706.90
INV = 701.22 (12" NE)
INV = 701.32 (12" NW)

- 58 BOTTOM STORM = 701.57
APPX TOP WATER = 700.43
- 59 BOTTOM STORM = 701.54
TOP SANITARY = 697.34
- 60 BOTTOM STORM = 700.88
APPX TOP WATER = 700.28
- 61 BOTTOM STORM = 700.81
APPX TOP WATER = 698.43
- 62 APPX BOTTOM GAS = 701.15
TOP STORM = 701.98
- 63 BOTTOM STORM = 699.15
APPX TOP WATER = 698.66
- 64 BOTTOM STORM = 698.27
TOP SANITARY = 693.25

- 191 STA. 703+00, 27.0' RT
MAN TA 4 DIA T1F CL
RIM = 705.82
INV = 700.69 (12" SW)
INV = 700.84 (12" SE)
INV = 699.69 (15" NE)

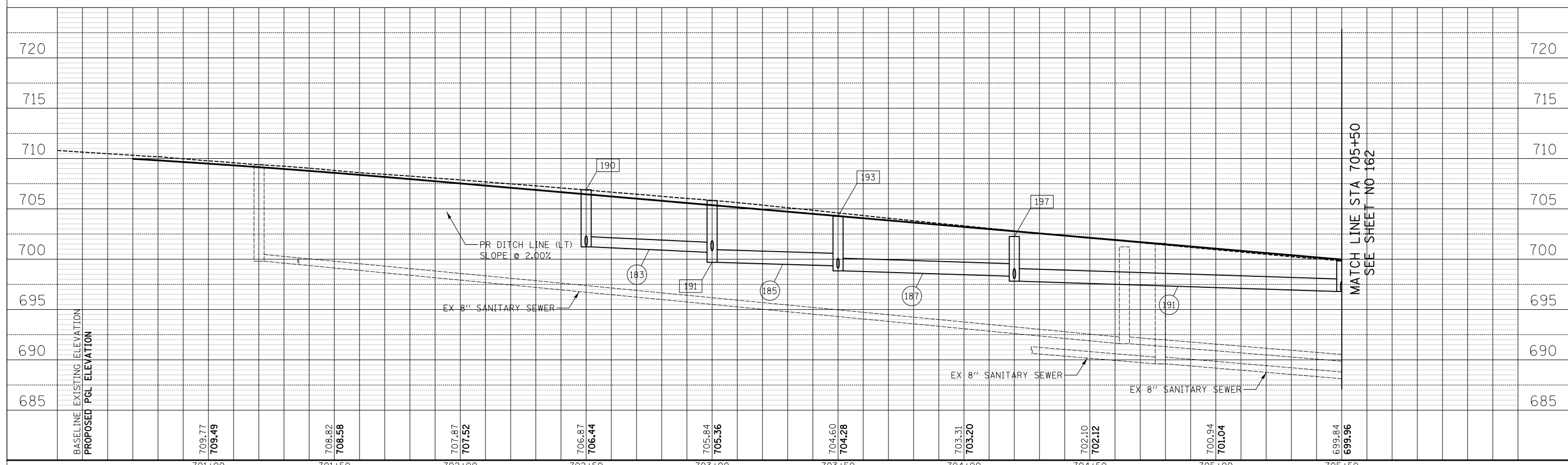
- 192 STA. 703+00, 45.7' RT
CB TC T8C
RIM = 704.48
INV = 701.00 (12" NW)
- 193 STA. 703+50, 24.0' RT
MAN TA 4 DIA T1F CL
RIM = 704.52
INV = 698.84 (15" NE)
INV = 699.34 (15" SW)
INV = 699.09 (12" SE)
- 194 STA. 703+50, 33.3' RT
CB TC T8C
RIM = 702.21
INV = 699.15 (12" NW)
- 195 STA. 704+20, 19.7' LT
INLETS TA T24F&G
RIM = 702.51
INV = 698.48 (12" SE)
- 196 STA. 704+20, 16.0' RT
CB TA 4 DIA T24F&G
RIM = 702.45
INV = 698.19 (12" NW)
INV = 698.09 (12" SE)
- 197 STA. 704+20, 26.0' RT
MAN TA 4 DIA T1F CL
RIM = 702.26
INV = 698.06 (12" NW)
INV = 697.81 (15" NE)
INV = 698.31 (15" SW)
INV = 698.06 (12" SE)
- 198 STA. 704+20, 32.3' RT
CB TC T8C
RIM = 701.18
INV = 698.09 (12" NW)

- 181 44' - STORM SEW WM REQ, 12" @ 1.00%
TBF = 10 CU YD
- 182 5' - STORM SEW CL A 2, 12" @ 1.00%
TBF = 0 CU YD
- 183 44' - STORM SEW WM REQ, 12" @ 1.20%
TBF = 0 CU YD
- 184 16' - STORM SEW WM REQ, 12" @ 1.00%
TBF = 4 CU YD
- 185 44' - STORM SEW WM REQ, 15" @ 0.75%
TBF = 0 CU YD
- 186 6' - STORM SEW WM REQ, 12" @ 1.00%
TBF = 0 CU YD
- 187 66' - STORM SEW CL A 2, 15" @ 0.80%
TBF = 6 CU YD
- 188 36' - STORM SEW CL A 2, 12" @ 0.80%
TBF = 7 CU YD
- 189 4' - STORM SEW CL A 2, 12" @ 0.80%
TBF = 0 CU YD
- 190 3' - STORM SEW CL A 2, 12" @ 1.00%
TBF = 0 CU YD
- 191 127' - STORM SEW WM REQ, 15" @ 0.80%
TBF = 22 CU YD



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ORIGINAL SURVEY	
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NOTE BOOK	
AREAS CHECKED	
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701+00	701+50	702+00	702+50	703+00	703+50	704+00	704+50	705+00	705+50
709.77 709.49	708.82 708.56	707.87 707.52	706.87 706.44	705.84 705.36	704.60 704.28	703.31 703.20	702.10 702.12	700.94 701.04	699.84 699.96

CIVILTECH
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DESIGNED - PK
DRAWN - PK
CHECKED - JRV
DATE - 11/7/2018

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

VERT. 0 5 10
HORIZ. 0 20 40

SCALES
DRAINAGE AND UTILITIES
SHEET NO. 20 OF 24 SHEETS STA. 701+50.0 TO STA. 705+50.0

F.A.U. R.E. 1228 SECTION 99-00260-01-WR COUNTY LAKE TOTAL SHEETS 566 SHEET NO. 161 CONTRACT NO. 61F33
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

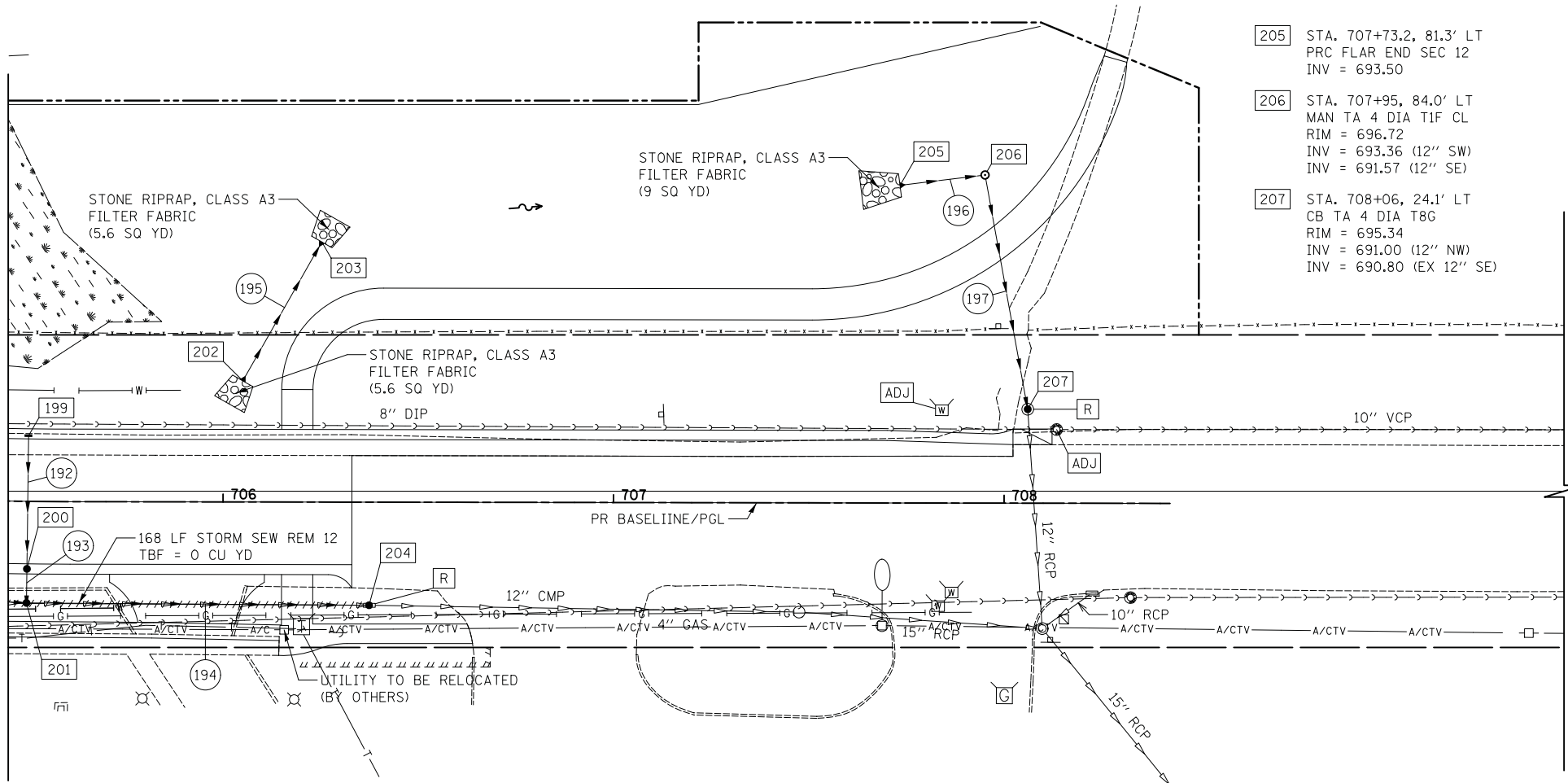
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PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

- 199 STA. 705+50, 16.0' LT
INLETS TA T24F&G
RIM = 699.64
INV = 696.97 (12" SE)
- 200 STA. 705+50, 16.0' RT
CB TA 4 DIA T24F&G
RIM = 699.64
INV = 696.81 (12" SE)
INV = 696.81 (12" NW)
- 201 STA. 705+50, 26.0' RT
CB TA 4 DIA T8G
RIM = 699.82
INV = 696.79 (18"X12" NE)
INV = 696.79 (15" SW)
INV = 696.79 (12" NW)
- 202 STA. 706+05, 31.0' LT
PRC FLAR END SEC 12
INV = 697.40
- 203 STA. 706+25.2, 66.6' LT
PRC FLAR END SEC 12
INV = 697.00
- 204 STA. 706+37.4, 26.4' RT
CB TA 4 DIA T8G
RIM = 697.90
INV = 695.70 (EX 12" NE)
INV = 695.70 (18"X12" SW)

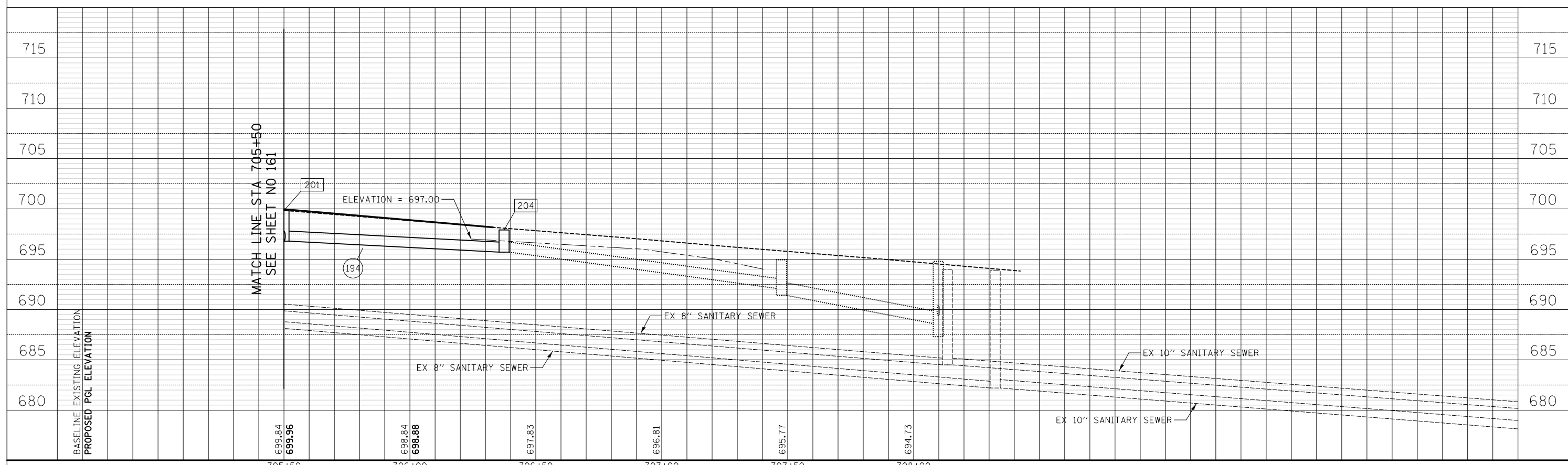
- 205 STA. 707+73.2, 81.3' LT
PRC FLAR END SEC 12
INV = 693.50
- 206 STA. 707+95, 84.0' LT
MAN TA 4 DIA T1F CL
RIM = 696.72
INV = 693.36 (12" SW)
INV = 691.57 (12" SE)
- 207 STA. 708+06, 24.1' LT
CB TA 4 DIA T8G
RIM = 695.34
INV = 691.00 (12" NW)
INV = 690.80 (EX 12" SE)

MATCH LINE STA 705+50
SEE SHEET NO 161



- 192 32' - STORM SEW CL A 1, 12" @ 0.50%
TBF = 1 CU YD
- 193 4' - STORM SEW WM REQ, 12" @ 0.50%
TBF = 0 CU YD
- 194 84' - SS CL A 1, EQRS 15 @ 1.30%
TBF = 5 CU YD
- 195 29' - STORM SEW CL A 1, 12" @ 1.38%
TBF = 0 CU YD
- 196 14' - STORM SEW CL A 1, 12" @ 1.00%
TBF = 0 CU YD
- 197 57' - STORM SEW CL A 2, 12" @ 1.00%
TBF = 5 CU YD

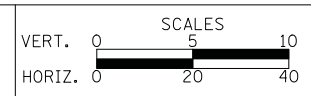
DUGDALE ROAD



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DATE - 11/7/2018	REVISED -

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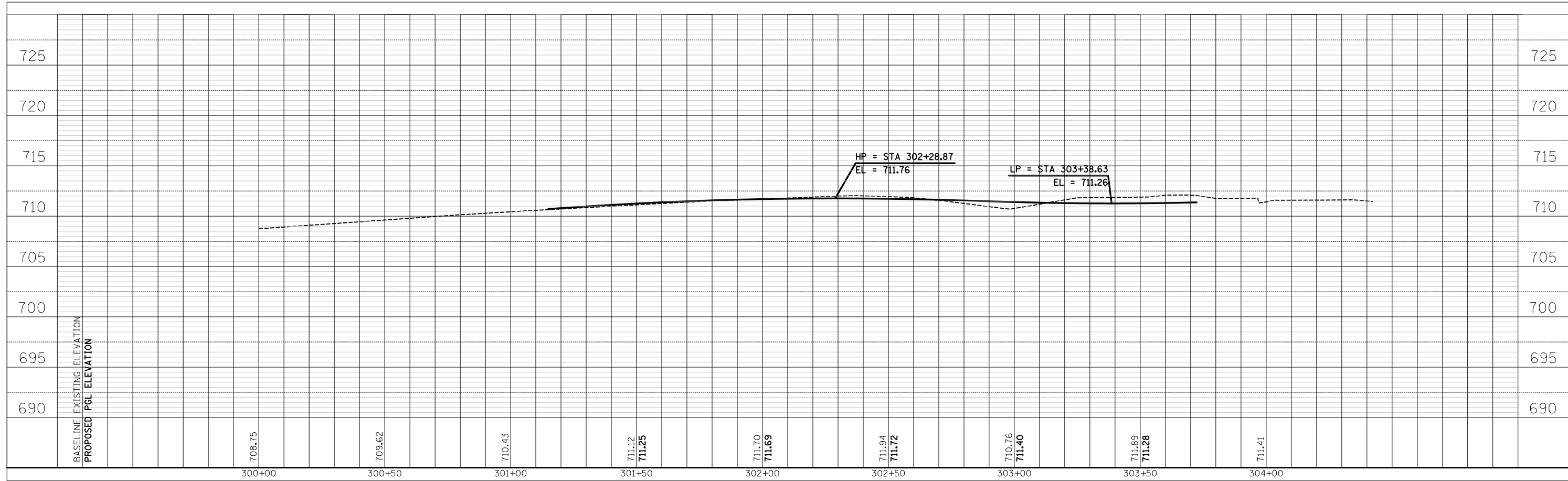


DRAINAGE AND UTILITIES

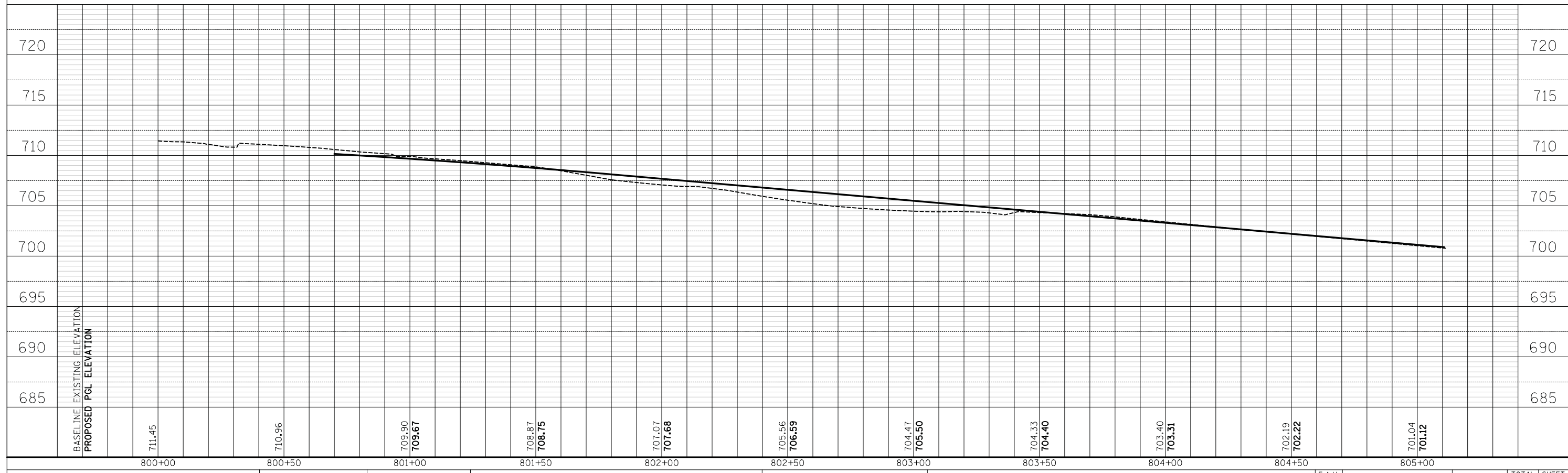
SHEET NO. 21 OF 24 SHEETS STA. 705+50.0 TO STA. 67+00.0

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1228	99-00260-01-WR	LAKE	566	162
CONTRACT NO. 61F33				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



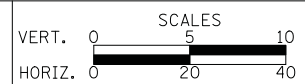
ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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 DEPARTMENT OF TRANSPORTATION**



DRAINAGE AND UTILITIES

SHEET NO. 22 OF 24 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1228	99-00260-01-WR	LAKE	566	163
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61F33	

[208] STA. 1444+25, 23.0' LT
 MAN TA 4 DIA T1F CL
 RIM = 649.91
 INV = 645.88 (15" N)
 INV = 645.94 (EX 15" S)

[209] STA. 1445+04, 24.0' LT
 MAN TA 4 DIA T1F CL
 RIM = 649.57
 INV = 645.58 (15" N)
 INV = 645.58 (15" S)
 INV = 645.83 (12" E)

[210] STA. 1445+00, 17.9' LT
 CB TA 4 DIA T11VF&G
 RIM = 648.99
 INV = 645.84 (12" W)
 INV = 645.94 (12" E)

[211] STA. 1445+00, 9.5' RT
 INLETS TA T11VF&G
 RIM = 649.16
 INV = 646.08 (12" W)

[212] STA. 1446+49, 24.5' LT
 MAN TA 4 DIA T1F CL
 RIM = 648.65
 INV = 645.01 (15" N)
 INV = 645.01 (12" E)

[213] STA. 1446+45, 18.0' LT
 CB TA 4 DIA T11VF&G
 RIM = 648.09
 INV = 645.02 (12" E)
 INV = 645.02 (12" W)

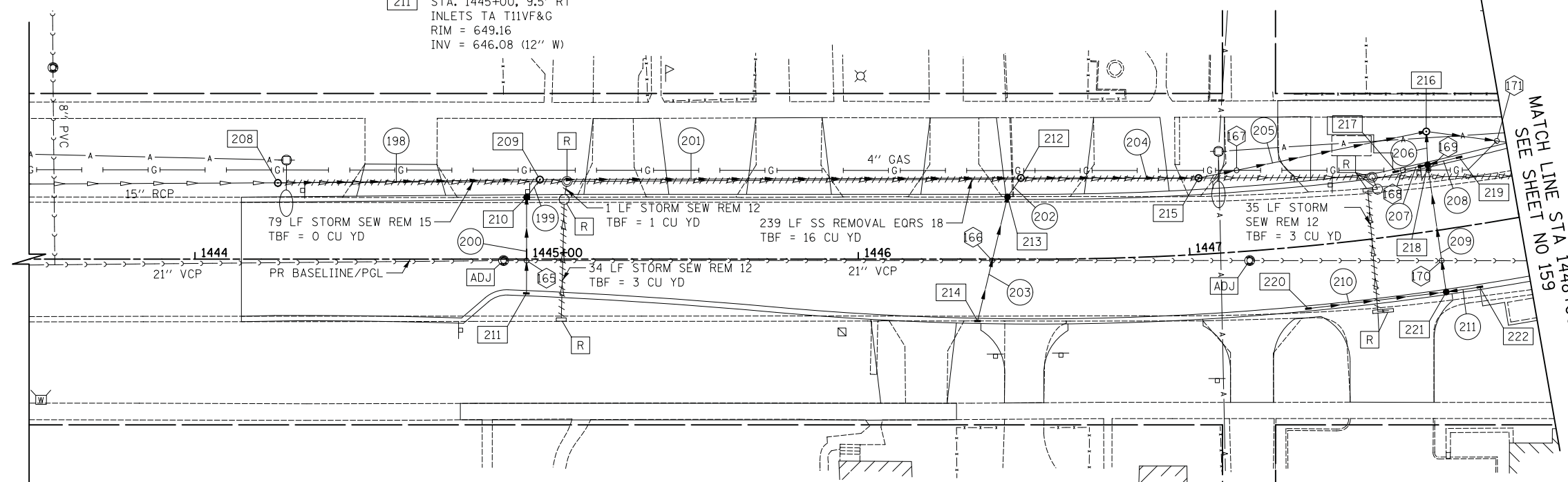
[214] STA. 1446+36, 17.8' RT
 INLETS TA T11VF&G
 RIM = 648.20
 INV = 645.21 (12" W)

[215] STA. 1447+04, 23.0' LT
 MAN TA 4 DIA T1F CL
 RIM = 648.06
 INV = 644.81 (15" N)
 INV = 644.81 (15" S)

[216] STA. 1447+76, 30.0' LT
 MAN TA 4 DIA T1F CL
 RIM = 648.32
 INV = 644.45 (12" E)
 INV = 644.45 (18" N)
 INV = 644.55 (15" S)

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[217] STA. 1447+65, 18.5' LT
 INLETS TA T11VF&G
 RIM = 647.43
 INV = 644.50 (12" N)

[218] STA. 1447+75, 19.2' LT
 CB TA 4 DIA T11F&G
 RIM = 647.43
 INV = 644.47 (12" W)
 INV = 644.47 (12" E)
 INV = 644.47 (12" N)

[219] STA. 1447+85, 20.0' LT
 INLETS TA T11VF&G
 RIM = 647.46
 INV = 644.50 (12" S)

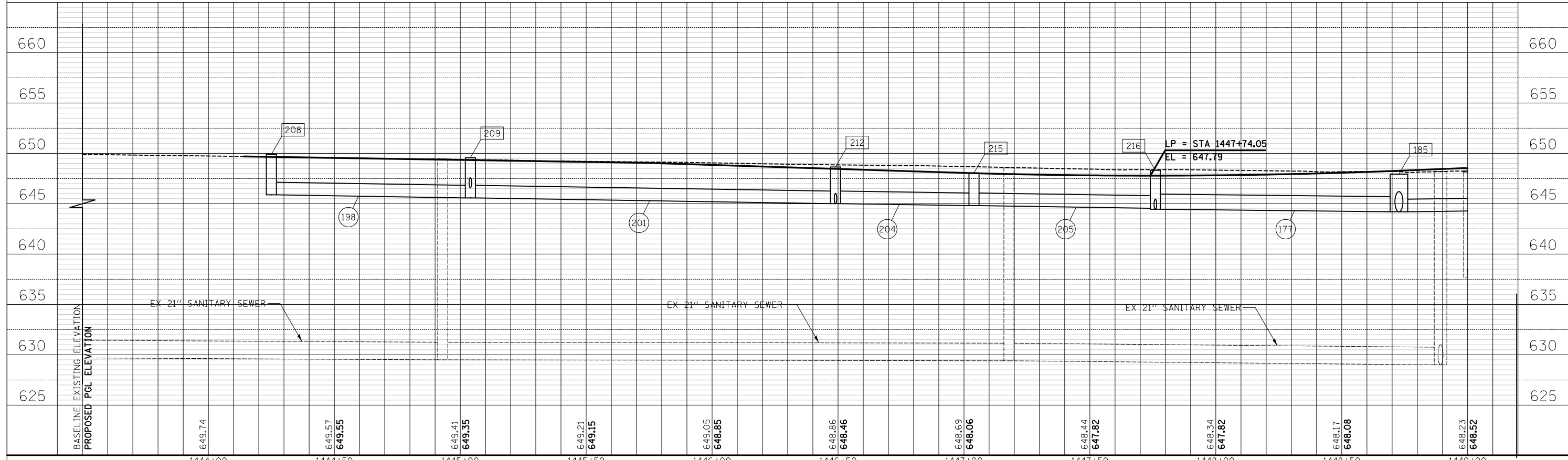
[220] STA. 1447+34, 18.0' RT
 INLETS TA T11VF&G
 RIM = 647.51
 INV = 644.80 (12" N)

[221] STA. 1447+75, 18.0' RT
 CB TA 4 DIA T11F&G
 RIM = 647.43
 INV = 644.63 (12" S)
 INV = 644.63 (12" N)
 INV = 644.63 (12" W)

[222] STA. 1447+85, 18.0' RT
 INLETS TA T11VF&G
 RIM = 647.46
 INV = 644.66 (12" S)

- [198] 75' - STORM SEW CL A 1, 15" @ 0.40%
TBF = 8 CU YD
- [199] 2' - STORM SEW CL A 1, 12" @ 0.50%
TBF = 1 CU YD
- [200] 27' - STORM SEW CL A 1, 12" @ 0.50%
TBF = 2 CU YD
- [201] 141' - STORM SEW CL A 1, 15" @ 0.40%
TBF = 22 CU YD
- [202] 2' - STORM SEW CL A 1, 12" @ 0.50%
TBF = 1 CU YD
- [203] 37' - STORM SEW CL A 1, 12" @ 0.50%
TBF = 2 CU YD
- [204] 50' - STORM SEW CL A 1, 15" @ 0.40%
TBF = 3 CU YD
- [205] 66' - STORM SEW CL A 1, 15" @ 0.40%
TBF = 11 CU YD
- [206] 5' - STORM SEW CL A 1, 12" @ 0.44%
TBF = 0 CU YD
- [207] 7' - STORM SEW CL A 1, 12" @ 0.44%
TBF = 1 CU YD
- [208] 7' - STORM SEW CL A 1, 12" @ 0.44%
TBF = 1 CU YD
- [209] 37' - STORM SEW CL A 1, 12" @ 0.44%
TBF = 1 CU YD
- [210] 39' - STORM SEW CL A 1, 12" @ 0.44%
TBF = 5 CU YD
- [211] 7' - STORM SEW CL A 1, 12" @ 0.44%
TBF = 1 CU YD
- [69] BOTTOM STORM = 646.03
TOP SANITARY = 631.25
- [68] APPX BOTTOM GAS = 645.45
TOP STORM = 645.67
- [67] BOTTOM STORM = 644.95
TOP SANITARY = 631.20
- [66] APPX BOTTOM GAS = 645.40
TOP STORM = 646.41
- [70] BOTTOM STORM = 644.43
TOP SANITARY = 631.14
- [69] APPX BOTTOM GAS = 645.55
TOP STORM = 645.65
- [71] APPX BOTTOM GAS = 645.81
TOP STORM = 646.12

JACKSON STREET

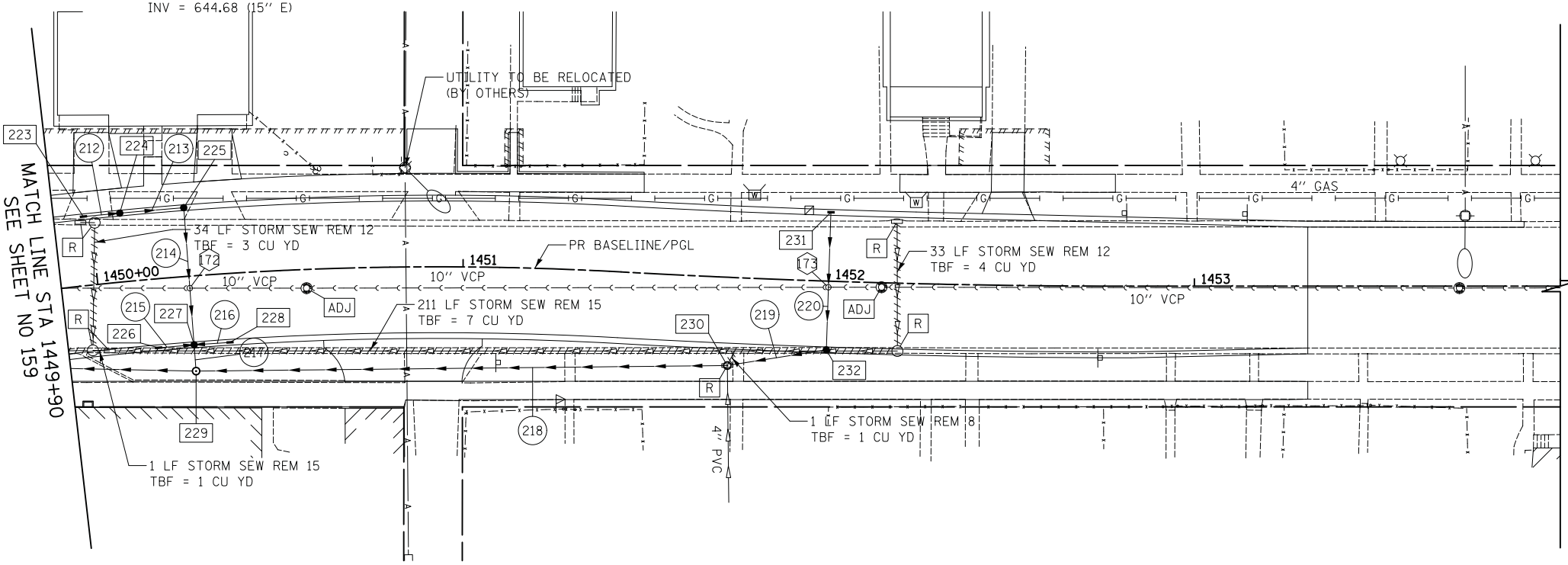


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- 223 STA. 1449+98, 18.0' LT
INLETS TA T11VF&G
RIM = 648.11
INV = 645.05 (12" N)
- 224 STA. 1450+07.8, 18.0' LT
CB TA 4 DIA T11F&G
RIM = 648.11
INV = 645.01 (12" N)
INV = 645.01 (12" S)
- 225 STA. 1450+25, 18.0' LT
CB TA 4 DIA T11VF&G
RIM = 648.12
INV = 644.93 (12" S)
INV = 644.93 (12" E)
- 226 STA. 1450+15, 18.0' RT
INLETS TA T11VF&G
RIM = 648.03
INV = 644.97 (12" N)
- 227 STA. 1450+25, 18.0' RT
CB TA 4 DIA T11F&G
RIM = 648.01
INV = 644.68 (12" W)
INV = 644.93 (12" N)
INV = 644.93 (12" S)
INV = 644.68 (15" E)
- 228 STA. 1450+35, 18.0' RT
INLETS TA T11VF&G
RIM = 648.05
INV = 644.97 (12" S)
- 229 STA. 1450+25, 26.0' RT
MAN TA 4 DIA T1F CL
RIM = 648.46
INV = 644.80 (12" N)
INV = 644.67 (15" S)
INV = 644.67 (15" W)
- 230 STA. 1451+73.3, 24.1' RT
MAN TA 4 DIA T1F CL
RIM = 649.22
INV = 645.50 (12" N)
INV = 645.50 (12" S)
INV = 648.20 (EX 4" E)
- 231 STA. 1452+00, 18.0' LT
INLETS TA T11VF&G
RIM = 648.69
INV = 645.80 (12" E)
- 232 STA. 1452+00, 18.0' RT
CB TA 4 DIA T11VF&G
RIM = 648.69
INV = 645.62 (12" W)
INV = 645.62 (12" S)

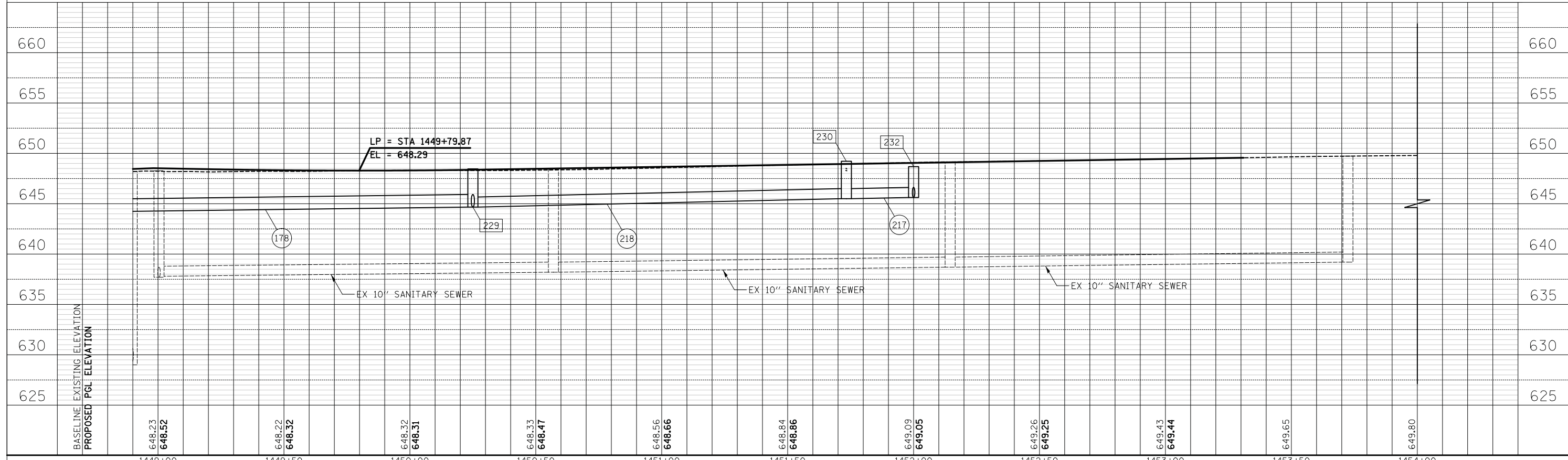
- 212 7' - STORM SEW CL A 1, 12" @ 0.60%
TBF = 1 CU YD
- 213 14' - STORM SEW CL A 1, 12" @ 0.60%
TBF = 1 CU YD
- 214 36' - STORM SEW CL A 1, 12" @ 0.70%
TBF = 3 CU YD
- 215 7' - STORM SEW CL A 1, 12" @ 0.60%
TBF = 1 CU YD
- 216 7' - STORM SEW CL A 1, 12" @ 0.60%
TBF = 1 CU YD
- 217 2' - STORM SEW CL A 1, 15" @ 0.50%
TBF = 0 CU YD
- 218 141' - STORM SEW CL A 1, 12" @ 0.50%
TBF = 39 CU YD
- 219 23' - STORM SEW CL A 1, 12" @ 0.50%
TBF = 0 CU YD
- 220 36' - STORM SEW CL A 1, 12" @ 0.50%
TBF = 2 CU YD



7' BOTTOM STORM = 644.61
TOP SANITARY = 638.96

7' BOTTOM STORM = 645.53
TOP SANITARY = 639.49

JACKSON STREET



1449+00	1449+50	1450+00	1450+50	1451+00	1451+50	1452+00	1452+50	1453+00	1453+50	1454+00
648.23 648.52	648.22 648.32	648.32 648.31	648.33 648.47	648.56 648.66	648.84 648.86	649.09 649.05	649.26 649.25	649.43 649.44	649.65	649.80

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VERT. 0 5 10
HORIZ. 0 20 40

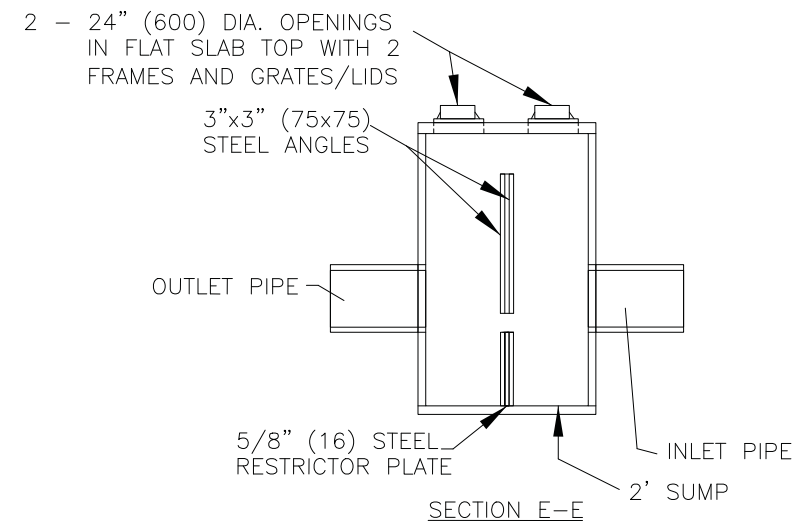
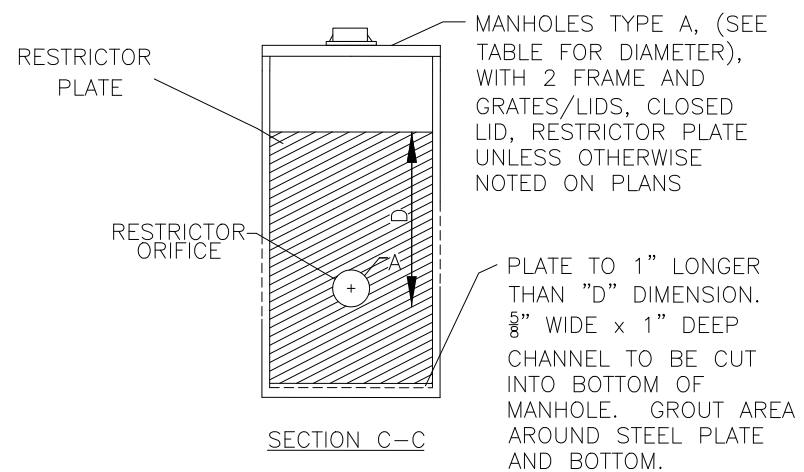
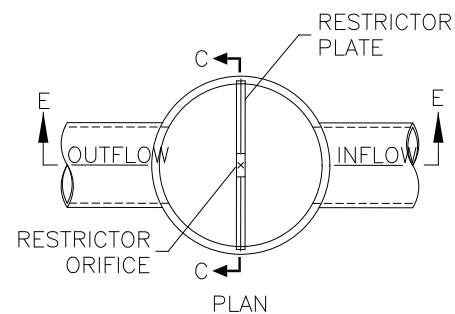
DRAINAGE AND UTILITIES

SHEET NO. 24 OF 24 SHEETS STA. 1449+90.0 TO STA. 1454+00.0

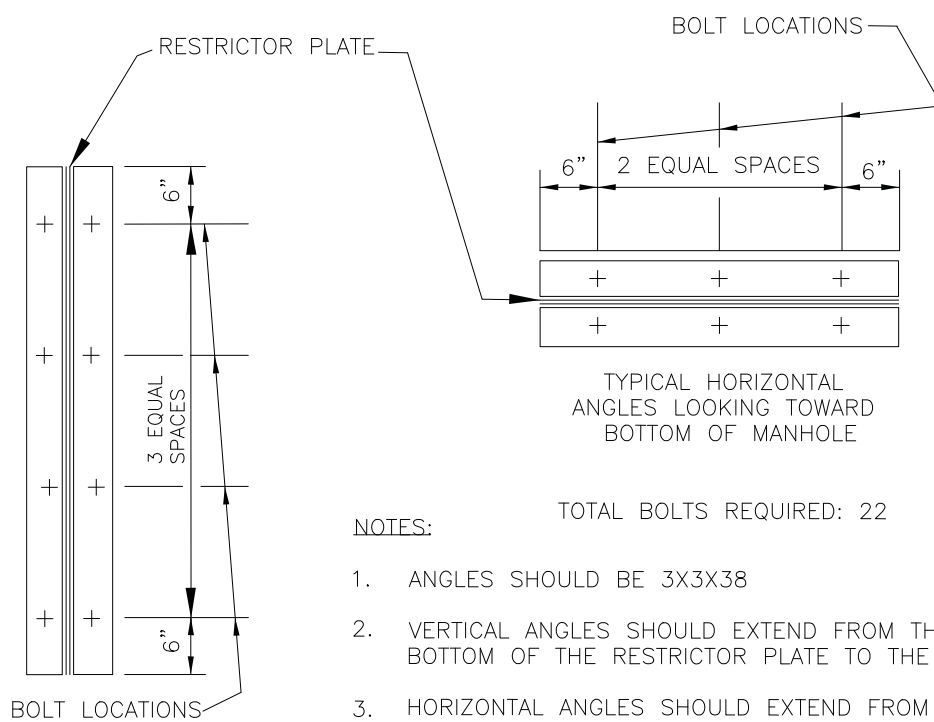
F.A.U. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1228	99-00260-01-WR	LAKE	566	165
CONTRACT NO. 61F33				

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

STRUCTURE	DIAMETER "A"	INVERT "A"	DIMENSION "D"	TOP OF RESTRICTOR PLATE ELEV.	RIM ELEV.	MANHOLE DIAMETER
19	1.50'	709.27'	3.98'	713.25'	716.00'	6'
66	1.25'	689.09'	4.19'	693.28'	695.18'	6'



DRAINAGE STRUCTURE RESTRICTORS
(NOT TO SCALE)

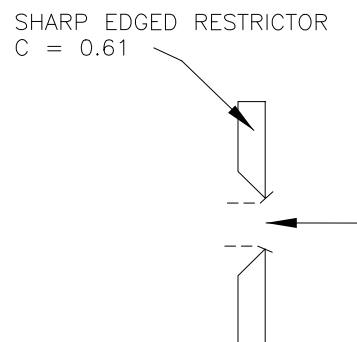


NOTES:

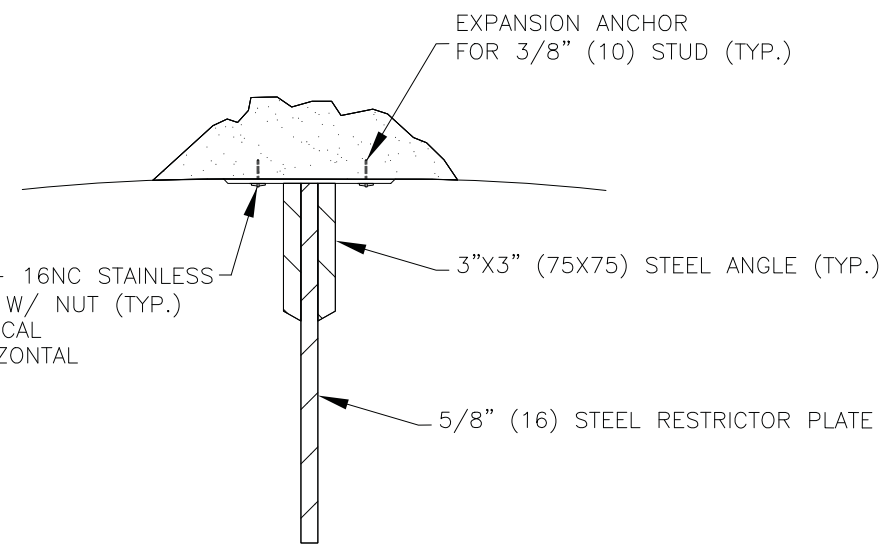
1. ANGLES SHOULD BE 3X3X38
2. VERTICAL ANGLES SHOULD EXTEND FROM THE BOTTOM OF THE RESTRICTOR PLATE TO THE TOP.
3. HORIZONTAL ANGLES SHOULD EXTEND FROM VERTICAL ANGLE TO VERTICAL ANGLE.

TYPICAL VERTICAL ANGLES LOOKING TOWARD MANHOLE WALL

STEEL ANGLE BOLTING DETAILS
(NOT TO SCALE)



RESTRICTOR TYPE
(NOT TO SCALE)



ANGLE FASTENER DETAIL
(NOT TO SCALE)

NOTES:

1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
3. BASIS OF PAYMENT: "MANHOLES, TYPE A, 6'-DIAMETER, WITH 2 TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE".

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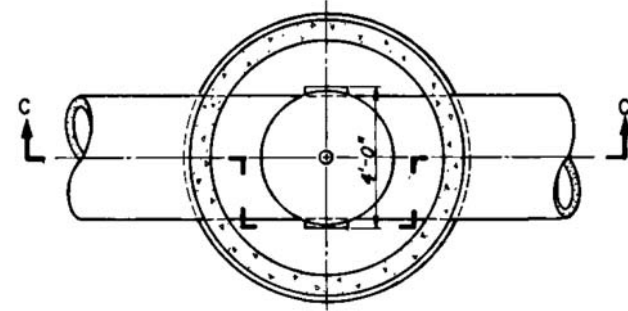
DRAINAGE AND UTILITIES

SHEET NO. 1 OF 2 SHEETS STA. TO STA.

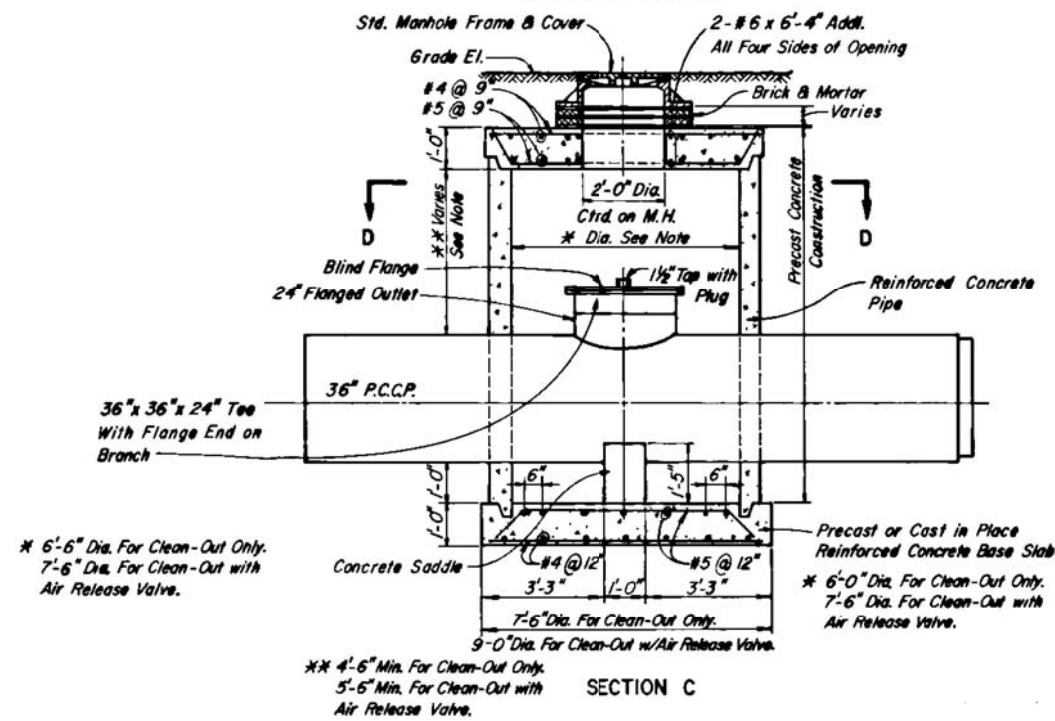
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1228	99-00260-01-WR	LAKE	566	166
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61F33	

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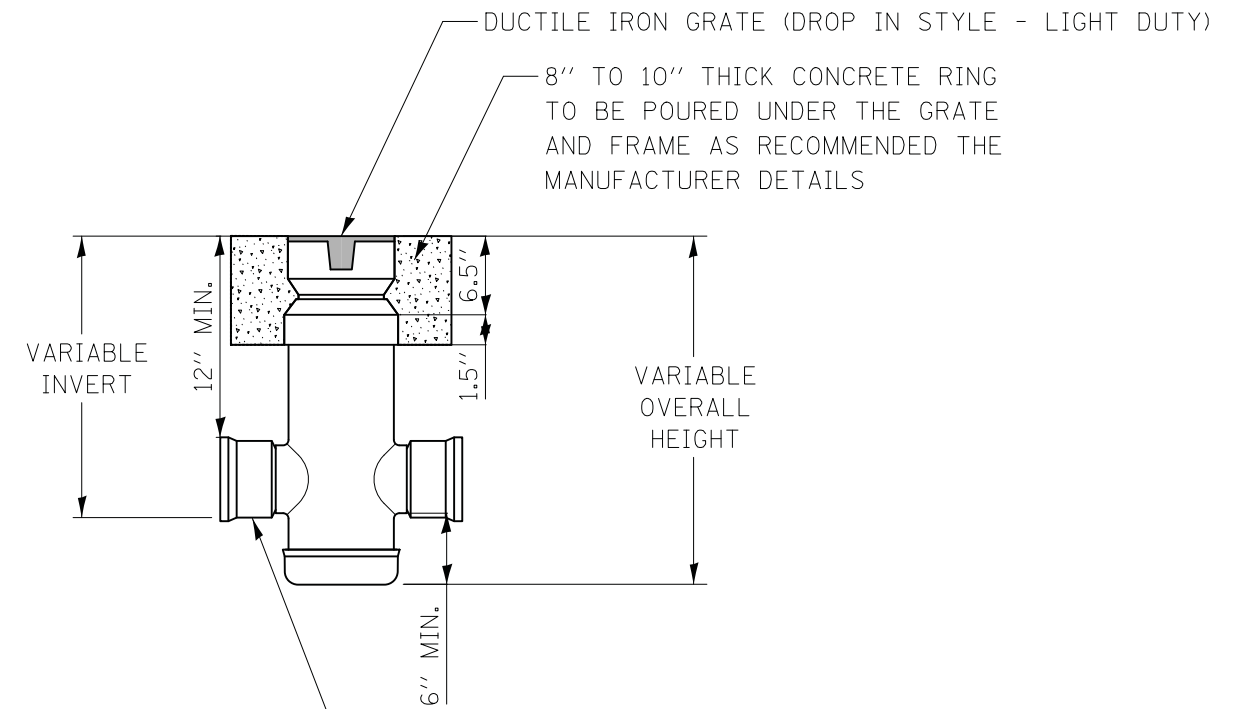
SECTIONAL PLAN D



NORTH SHORE SANITARY MANHOLE

(DETAIL INCLUDED FOR CONTRACTOR'S REFERENCE ONLY,
ADJUSTMENT COST INCLUDED IN THE COST OF
"SANITARY MANHOLES TO BE ADJUSTED")

8" CUSTOM DRAIN BASIN



VARIOUS TYPES OF INLET & OUTLET ADAPTERS AVAILABLE.
PIPE DRAINS, 8", PVC SEWER (EX: SDR 35), PVC DWV (EX: SCHE 40), PVC C900/C905, CORRUGATED & RIBBED PVC

NOTES:

GRATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.

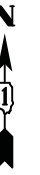
CUSTOM DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS.

DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE & SDR 35 PVC.

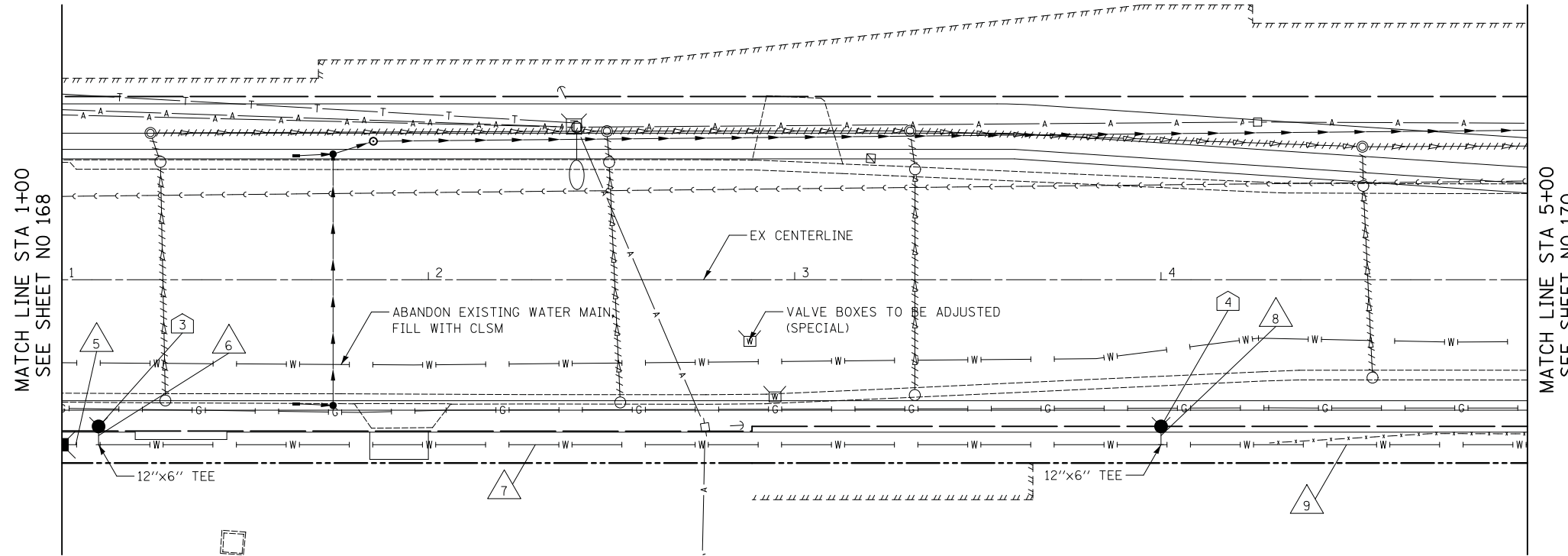
DIMENSIONS ARE FOR REFERENCE ONLY. ACTUAL DIMENSIONS MAY VARY.

INLETS, SPECIAL DETAIL

- 3 STA. 1+10, 40.0' RT
FIRE HYD W/ AUX V & VB
- 4 STA. 4+00, 40.0' RT
FIRE HYD W/ AUX V & VB



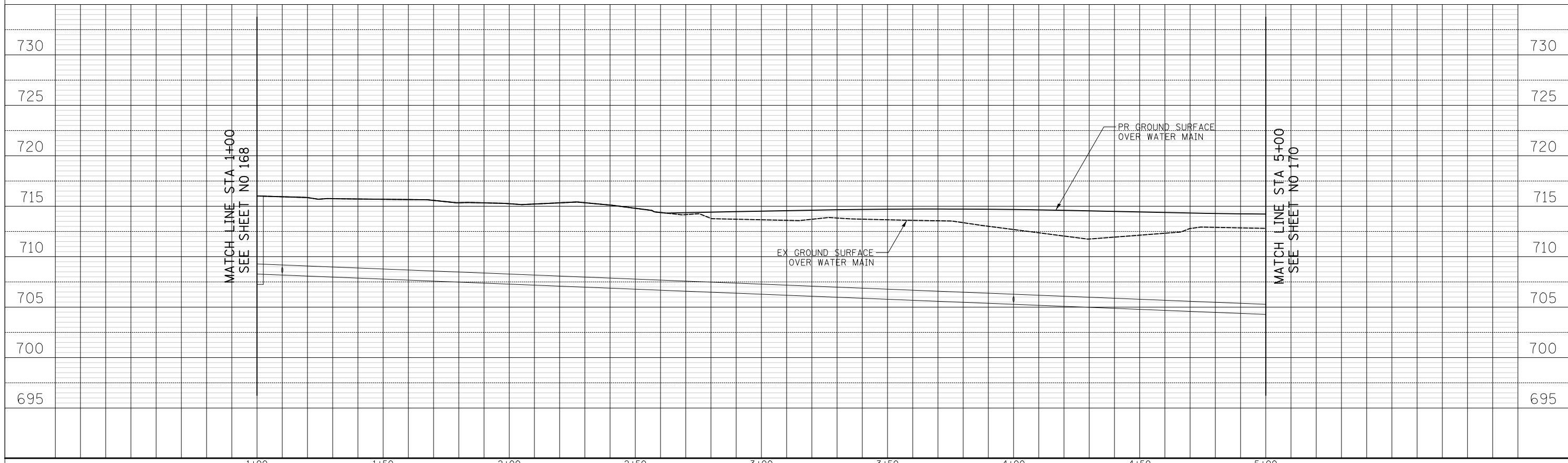
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- 5 10' - DI WATER MAIN 12"
TBF = 0 CU YD
- 6 5' - DI WATER MAIN 6"
TBF = 2 CU YD
- 7 290' - DI WATER MAIN 12"
TBF = 15 CU YD
- 8 5' - DI WATER MAIN 6"
TBF = 2 CU YD
- 9 300' - DI WATER MAIN 12"
TBF = 0 CU YD

14TH STREET

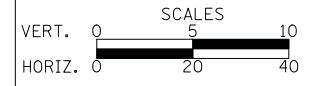
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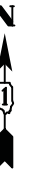
WATER MAIN PLAN AND PROFILE

SHEET NO. 2 OF 13 SHEETS STA. 1+00.0 TO STA. 5+00.0

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1228	99-00260-01-WR	LAKE	566	169
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61F33	

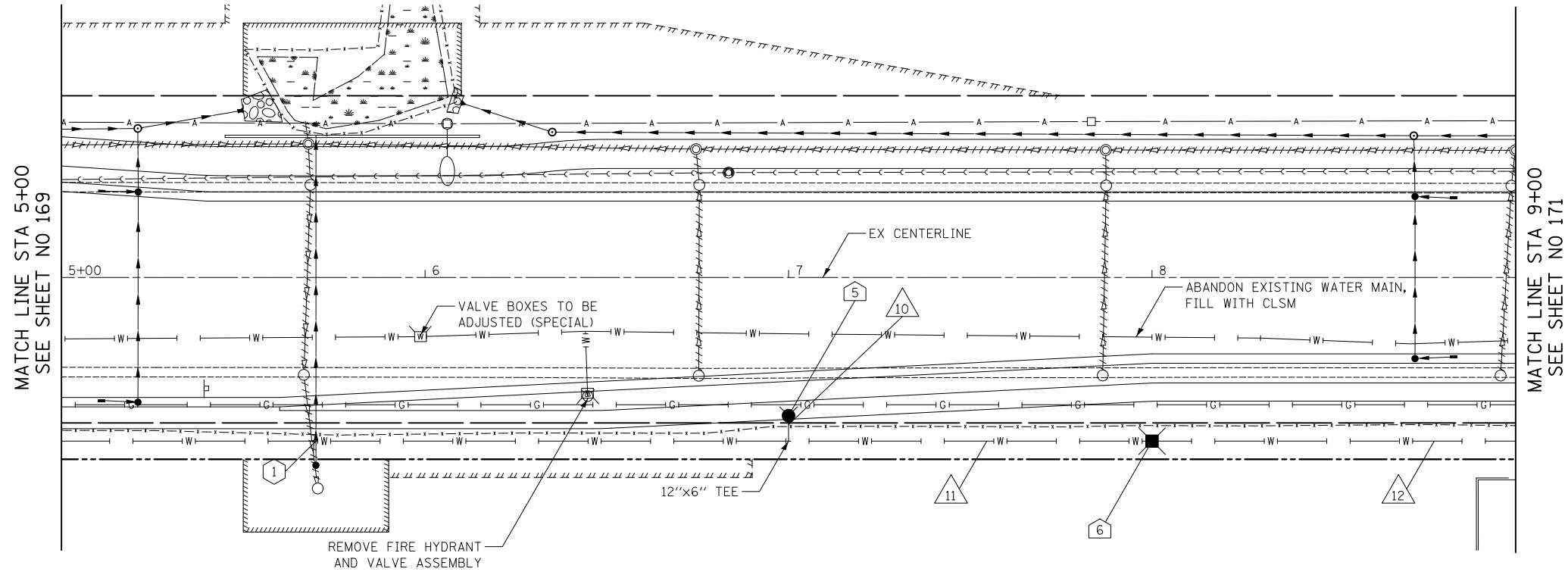
- 5 STA. 7+00, 38.0' RT
FIRE HYD W/ AUX V & VB
- 6 STA. 8+00, 45.0' RT
VV TA 5 DIA TIF CL
WATER VALVES 12"
RIM = 714.99

1 BOTTOM STORM = 709.19
TOP WATERMAIN = 704.80



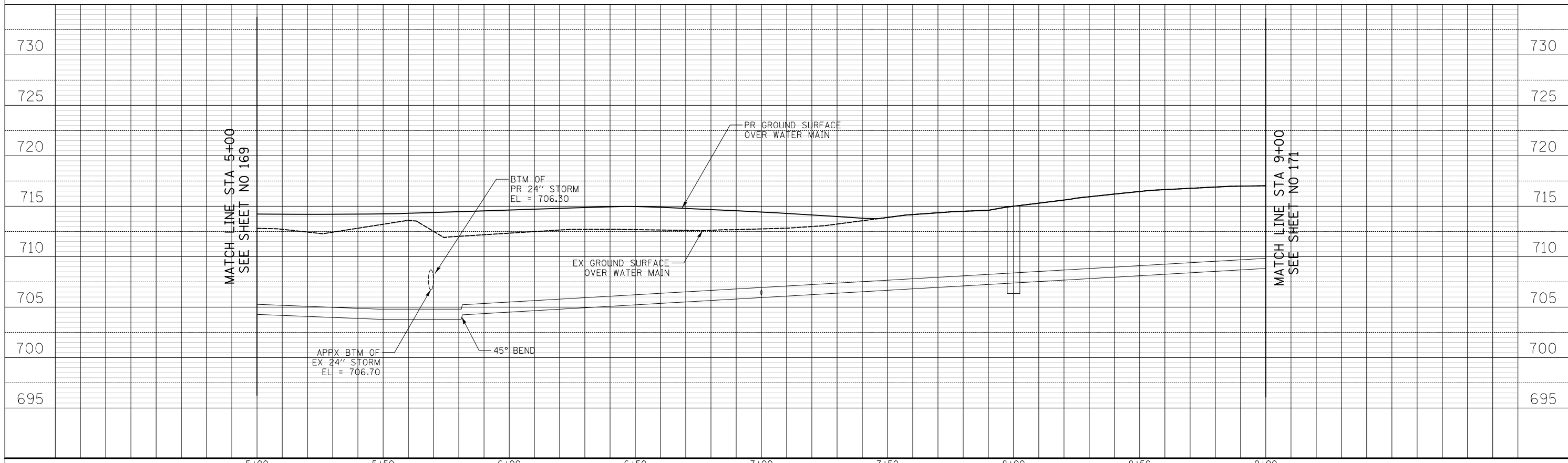
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NOTE BOOK	
AREAS CHECKED	
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- 10 7' - DI WATER MAIN 6"
TBF = 3 CU YD
- 11 100' - DI WATER MAIN 12"
TBF = 0 CU YD
- 12 200' - DI WATER MAIN 12"
TBF = 0 CU YD

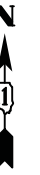
14TH STREET



<p>Two Pierce Place, Suite 1400 Itasca, Illinois 60143 Tel: 630.773.3900 Fax: 630.773.3975 www.civiltechinc.com</p>	DESIGNED - PK DRAWN - PK CHECKED - JRV DATE - 11/7/2018	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	VERT. 0 5 10 HORIZ. 0 20 40	WATER MAIN PLAN AND PROFILE	F.A.U. R.T.E. 1228 SECTION 99-00260-01-WR COUNTY LAKE TOTAL SHEETS 566 SHEET NO. 170 CONTRACT NO. 61F33
				SHEET NO. 3 OF 13 SHEETS STA. 5+00.0 TO STA. 9+00.0		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

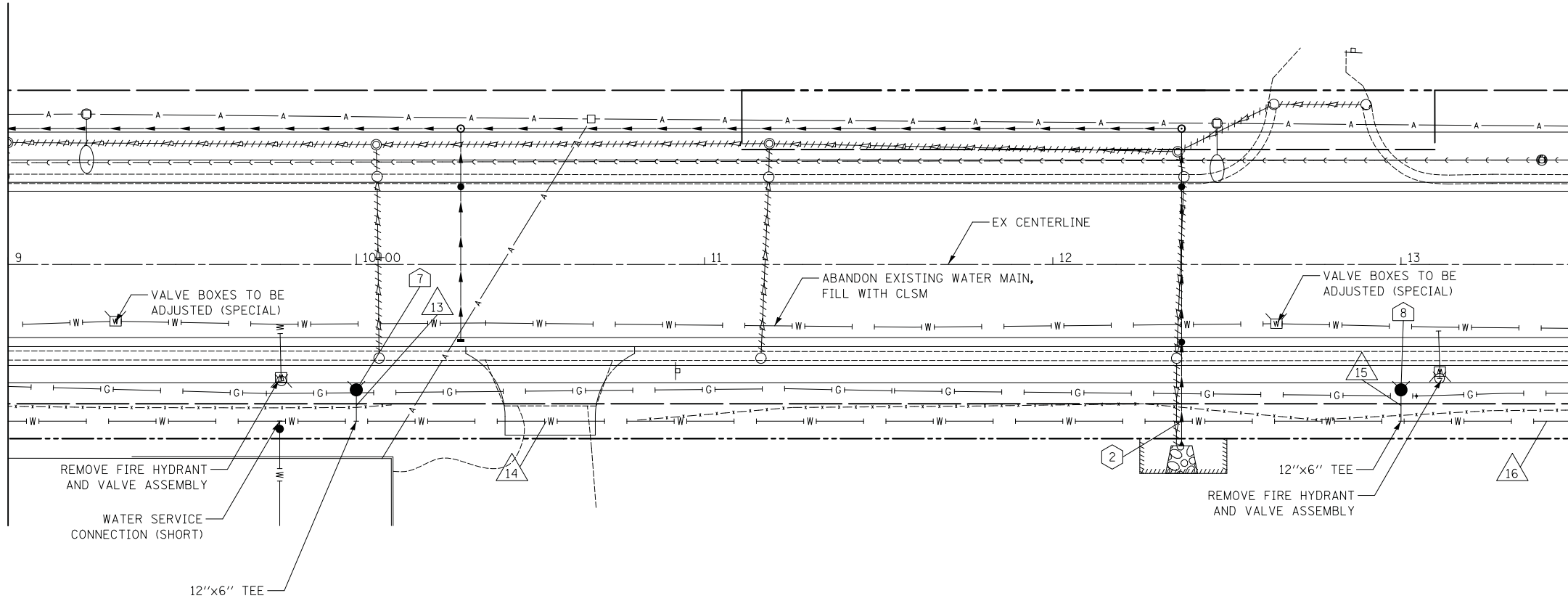
- 7 STA. 10+00, 36.0' RT
FIRE HYD W/ AUX V & VB
- 8 STA. 13+00, 36.0' RT
FIRE HYD W/ AUX V & VB

2 BOTTOM STORM = 713.24
TOP WATERMAIN = 707.54



DATE	
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

MATCH LINE STA 9+00
SEE SHEET NO 170



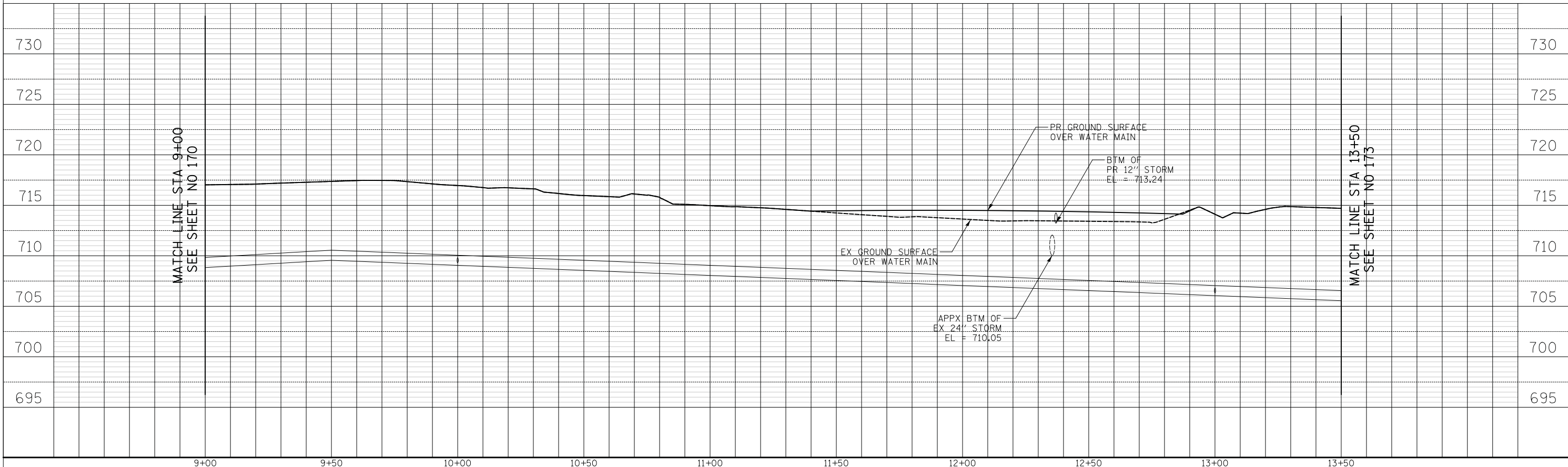
MATCH LINE STA 13+50
SEE SHEET NO 172

- 13 9' - DI WATER MAIN 6"
TBF = 3 CU YD
- 14 300' - DI WATER MAIN 12"
TBF = 23 CU YD
- 15 9' - DI WATER MAIN 6"
TBF = 3 CU YD
- 16 225' - DI WATER MAIN 12"
TBF = 0 CU YD

14TH STREET

DATE	
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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MATCH LINE STA 9+00
SEE SHEET NO 170



MATCH LINE STA 13+50
SEE SHEET NO 172

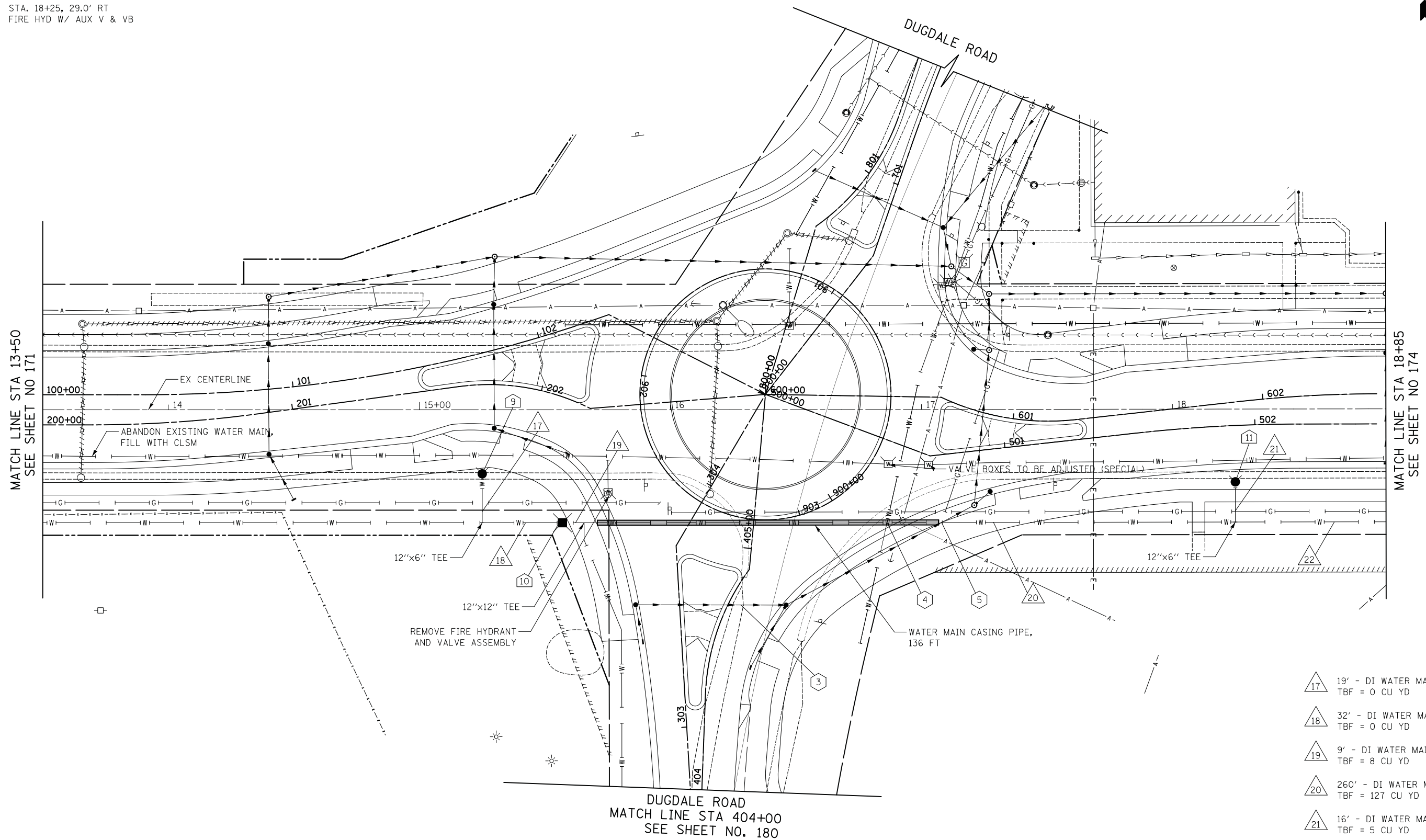
- 9 STA. 15+25, 25.5' RT
FIRE HYD W/ AUX V & VB
- 10 STA. 15+57, 45.0' RT
VV TA 5 DIA T1F CL
WATER VALVES 12"
RIM = 712.88
- 11 STA. 18+25, 29.0' RT
FIRE HYD W/ AUX V & VB

- 3 BOTTOM STORM = 705.68
TOP WATERMAIN = 704.10
- 4 BOTTOM EX WM = 705.50
TOP WATERMAIN = 703.25
- 5 BOTTOM STORM = 704.72
TOP WATERMAIN = 703.05



DATE	
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SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



- 17 19' - DI WATER MAIN 6"
TBF = 0 CU YD
- 18 32' - DI WATER MAIN 12"
TBF = 0 CU YD
- 19 9' - DI WATER MAIN 12"
TBF = 8 CU YD
- 20 260' - DI WATER MAIN 12"
TBF = 127 CU YD
- 21 16' - DI WATER MAIN 6"
TBF = 5 CU YD
- 22 275' - DI WATER MAIN 12"
TBF = 7 CU YD

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DATE - 11/7/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

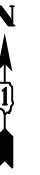
VERT.	0	5	10
HORIZ.	0	20	40

WATER MAIN PLAN AND PROFILE

SHEET NO. 5 OF 13 SHEETS STA. 13+50.0 TO STA. 18+85.0

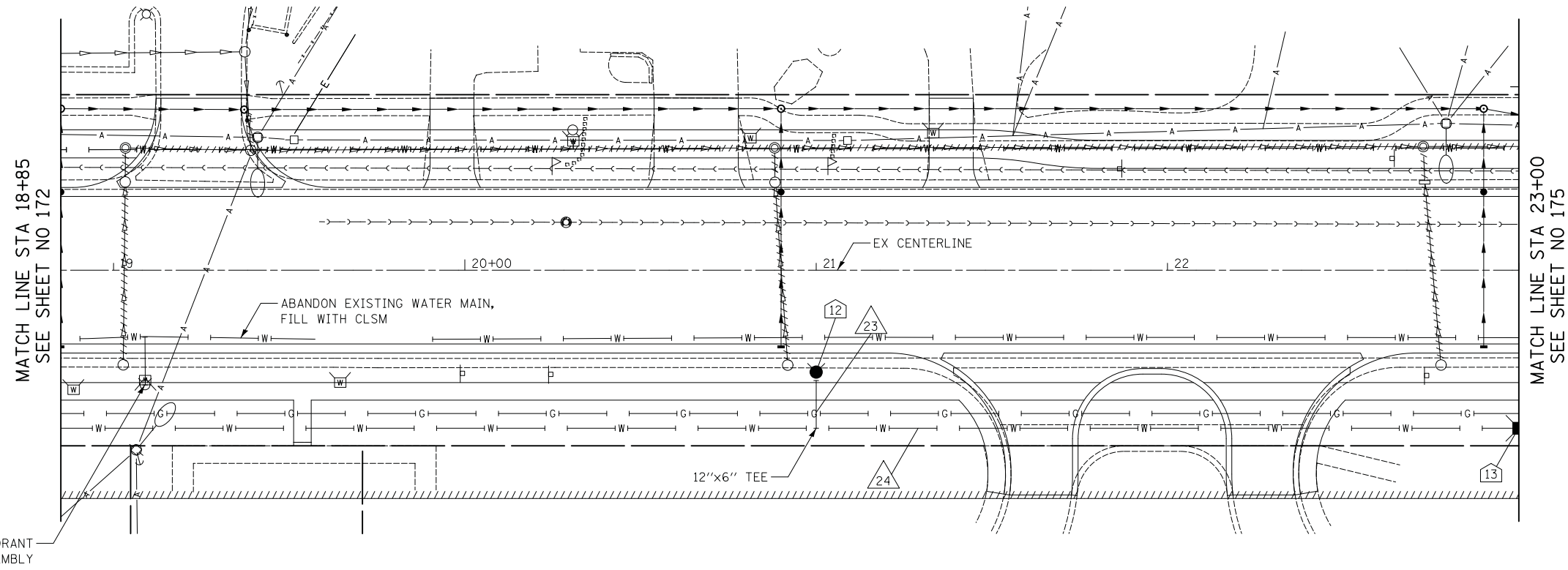
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1228	99-00260-01-WR	LAKE	566	172
CONTRACT NO. 61F33				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

- 12 STA. 21+00, 29.0' RT
FIRE HYD W/ AUX V & VB
- 13 STA. 23+00, 45.0' RT
VV TA 5 DIA TIF CL
WATER VALVES 12"
RIM = 702.09



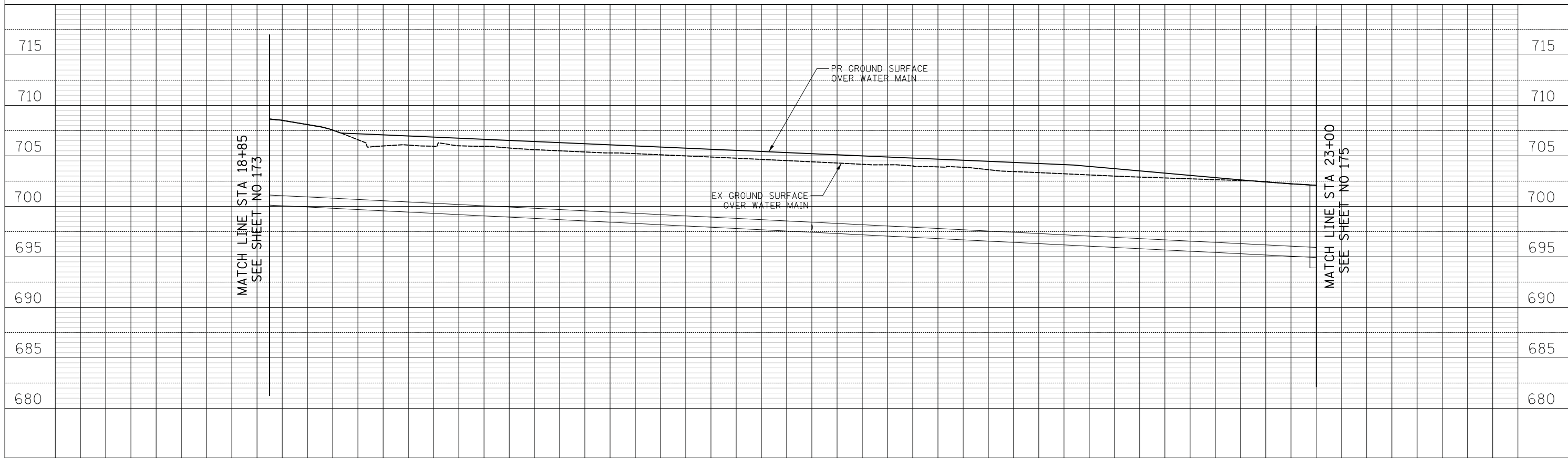
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TEMPLATE	
AREAS CHECKED	
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DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	



- 23 16' - DI WATER MAIN 6"
TBF = 5 CU YD
- 24 200' - DI WATER MAIN 12"
TBF = 65 CU YD

14TH STREET



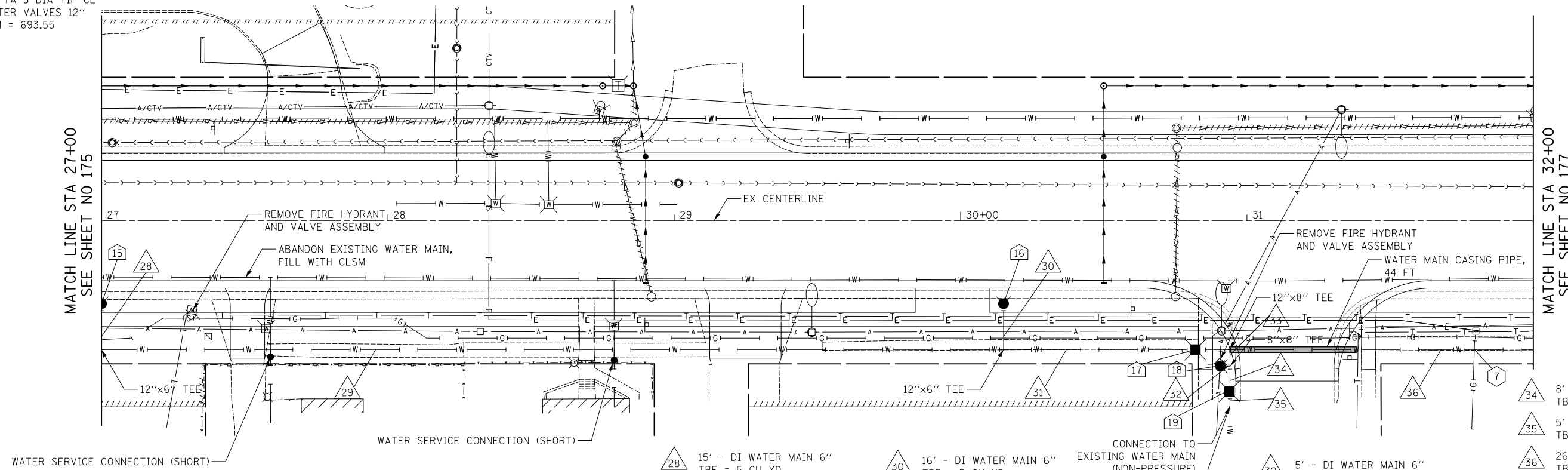
- 15 STA. 27+00, 29.0' RT
FIRE HYD W/ AUX V & VB
- 16 STA. 30+15, 29.0' RT
FIRE HYD W/ AUX V & VB
- 17 STA. 30+82, 45.0' RT
VV TA 5 DIA T1F CL
WATER VALVES 12"
RIM = 693.55
- 18 STA. 30+91, 50.8' RT
FIRE HYD W/ AUX V & VB
- 19 STA. 30+94, 59.5' RT
VV TA 5 DIA T1F CL
WATER VALVES 8"
RIM = 692.19

7 BOTTOM EX GAS = 688.90
TOP WATERMAIN = 684.94



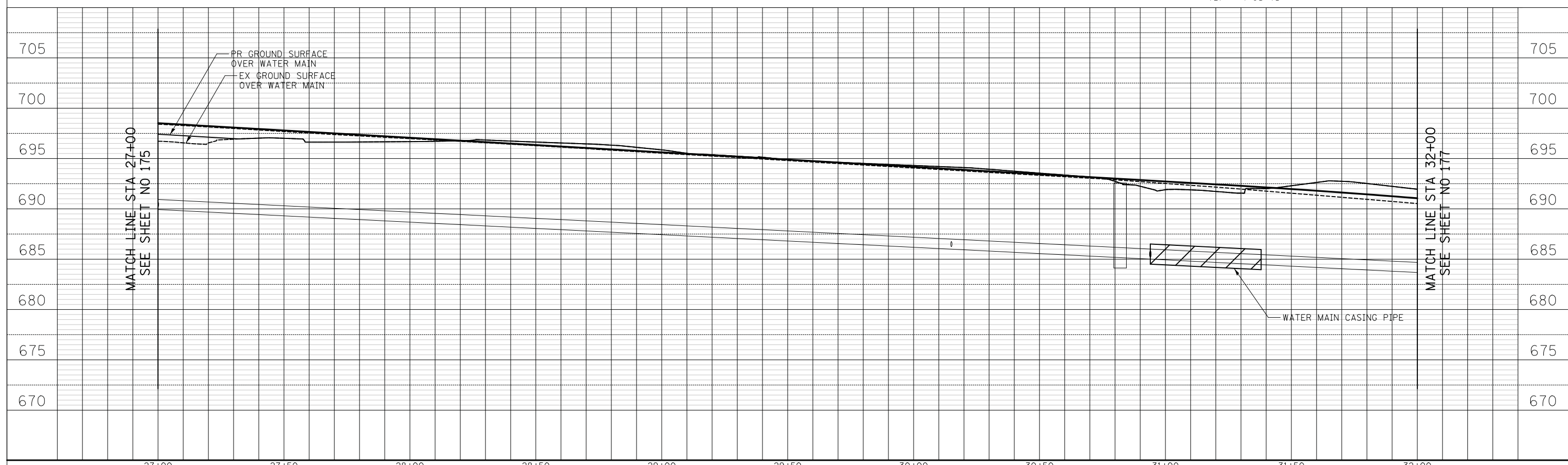
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NOTE BOOK	
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BY	
SURVEYED	
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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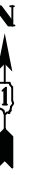
- 28 15' - DI WATER MAIN 6" TBF = 5 CU YD
- 29 315' - DI WATER MAIN 12" TBF = 38 CU YD
- 30 16' - DI WATER MAIN 6" TBF = 5 CU YD
- 31 67' - DI WATER MAIN 12" TBF = 0 CU YD
- 32 5' - DI WATER MAIN 6" TBF = 4 CU YD
- 33 6' - DI WATER MAIN 8" TBF = 4 CU YD
- 34 8' - DI WATER MAIN 8" TBF = 5 CU YD
- 35 5' - DI WATER MAIN 8" TBF = 4 CU YD
- 36 268' - DI WATER MAIN 12" TBF = 83 CU YD

14TH STREET

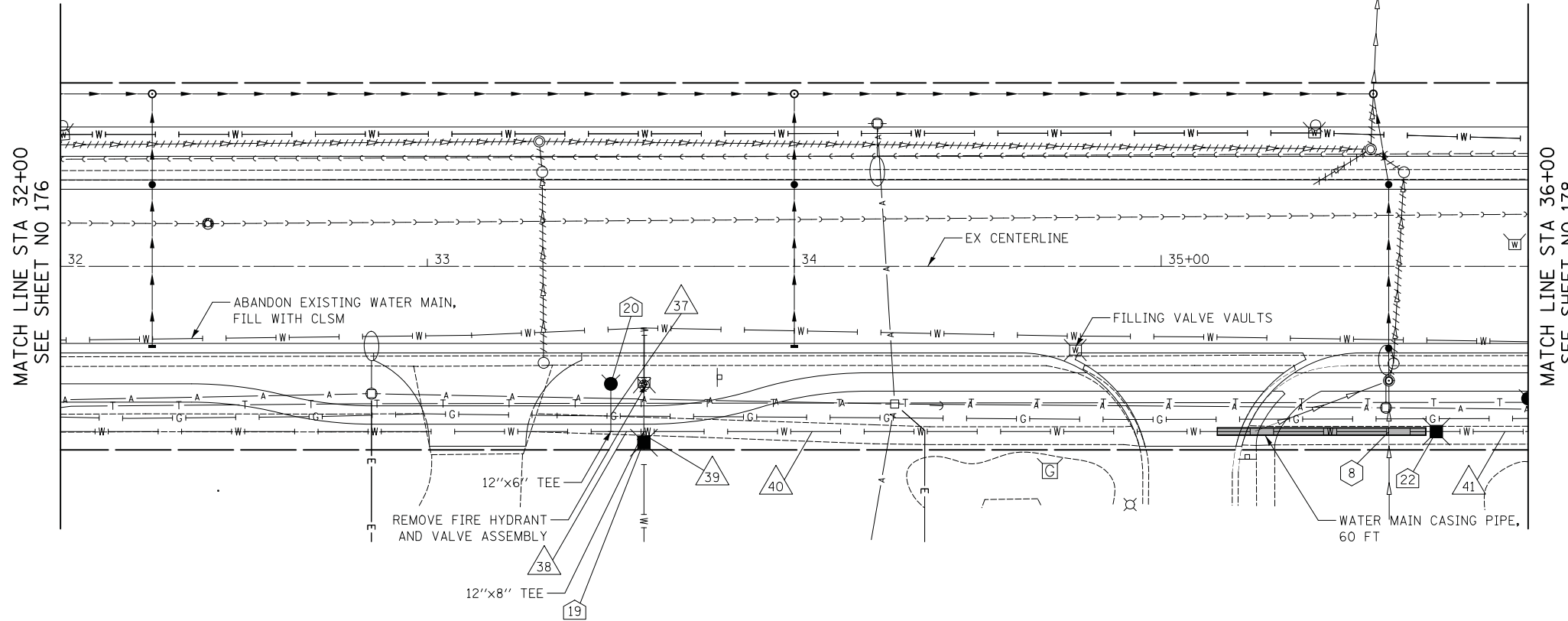


- 20 STA. 33+50, 32.0' RT
FIRE HYD W/ AUX V & VB
- 19 STA. 33+59, 45.0' RT
VV TA 5 DIA T1F CL
WATER VALVES 8"
RIM = 687.54
- 22 STA. 35+75, 45.0' RT
VV TA 5 DIA T1F CL
WATER VALVES 12"
RIM = 679.95

8 BOTTOM STORM = 677.60
TOP WATERMAIN = 671.25



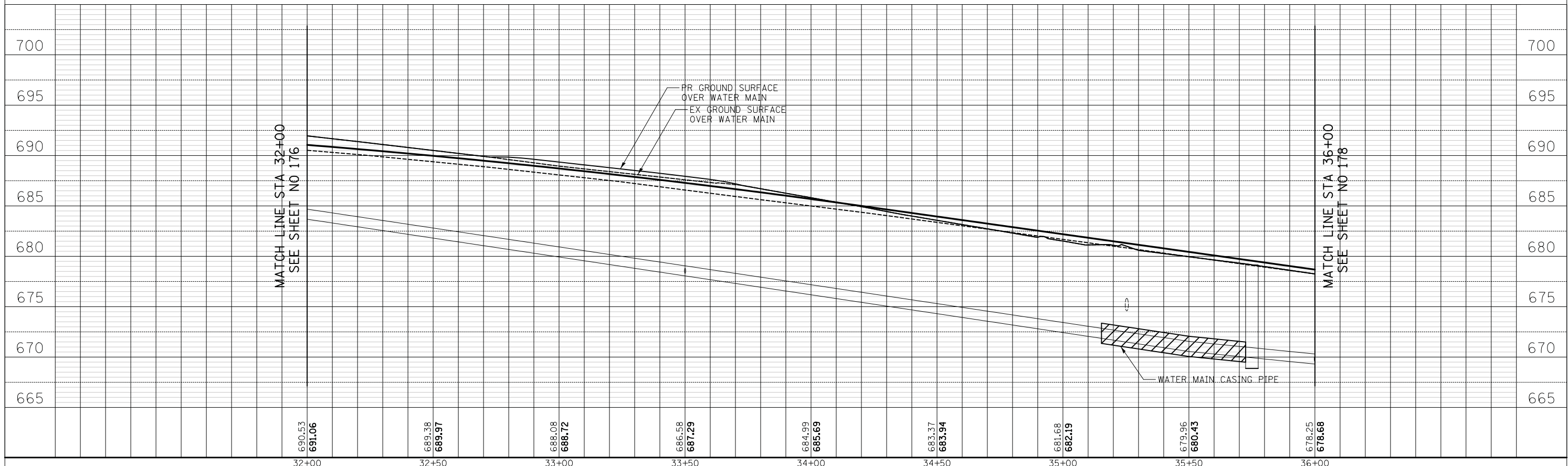
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



- 37 13' - DI WATER MAIN 6"
TBF = 5 CU YD
- 38 9' - DI WATER MAIN 12"
TBF = 6 CU YD
- 39 5' - DI WATER MAIN 8"
TBF = 0 CU YD
- 40 216' - DI WATER MAIN 12"
TBF = 33 CU YD
- 41 25' - DI WATER MAIN 12"
TBF = 0 CU YD

14TH STREET

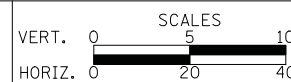
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DEPARTMENT OF TRANSPORTATION



WATER MAIN PLAN AND PROFILE

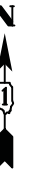
SHEET NO. 10 OF 13 SHEETS STA. 32+00.0 TO STA. 36+00.0

F.A.U. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1228	99-00260-01-WR	LAKE	566	177
CONTRACT NO. 61F33				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

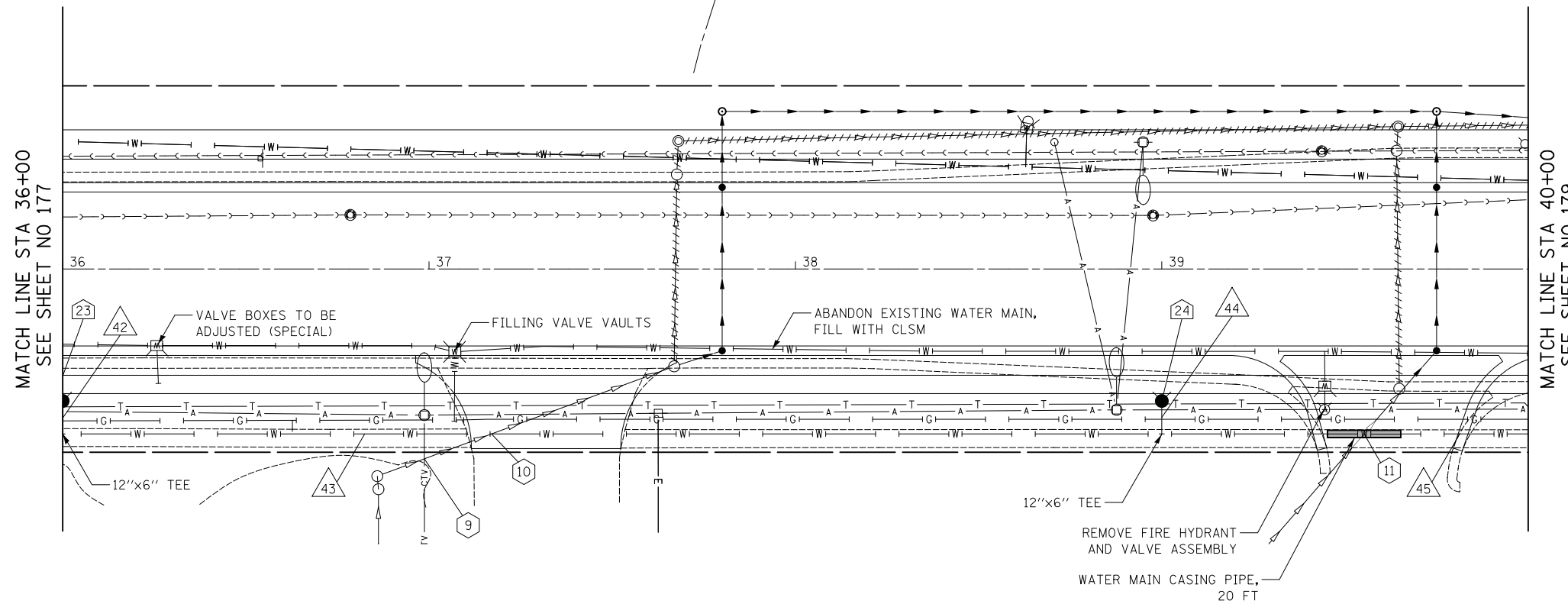
23 STA. 36+00, 36.0' RT
FIRE HYD W/ AUX V & VB

24 STA. 39+50, 36.0' RT
FIRE HYD W/ AUX V & VB

9 BOTTOM CABLE = 671.21
TOP WATERMAIN = 667.80
10 BOTTOM EX 12" DI STORM = 670.37
TOP WATERMAIN = 667.38
11 BOTTOM STORM = 665.20
TOP WATERMAIN = 662.10



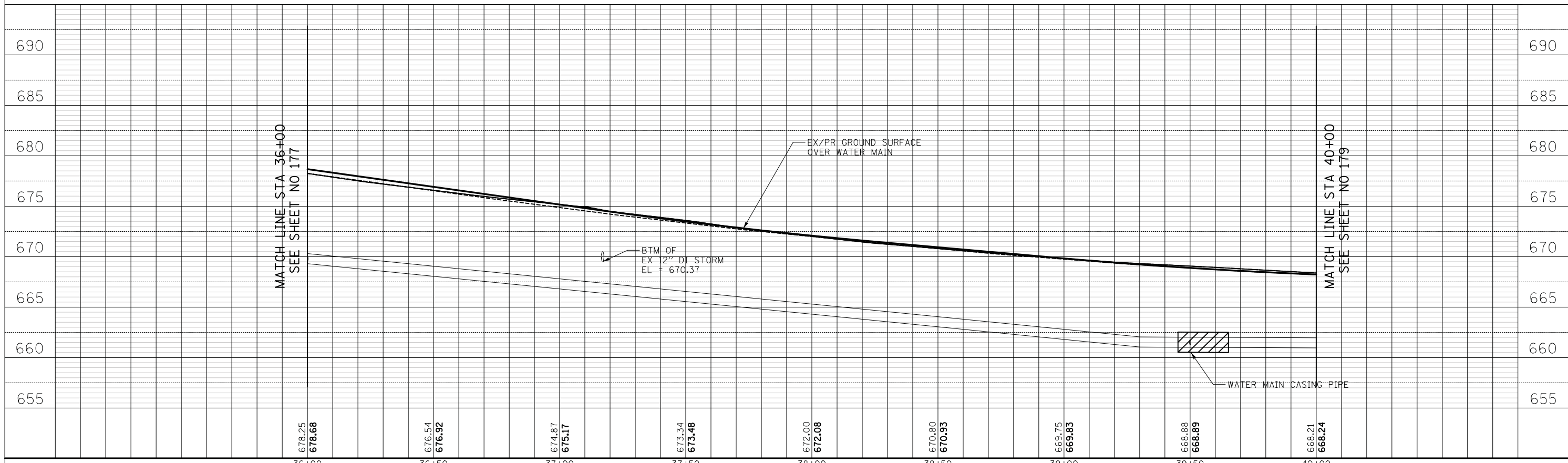
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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- 42 9' - DI WATER MAIN 6"
TBF = 0 CU YD
- 43 300' - DI WATER MAIN 12"
TBF = 36 CU YD
- 44 9' - DI WATER MAIN 6"
TBF = 0 CU YD
- 45 280' - DI WATER MAIN 12"
TBF = 82 CU YD

14TH STREET

DATE	
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NOTE BOOK	
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MATCH LINE STA 36+00
SEE SHEET NO 177

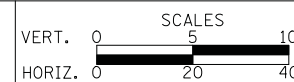
MATCH LINE STA 40+00
SEE SHEET NO 179

678.25 678.66	676.54 676.92	674.87 675.17	673.34 673.48	672.00 672.08	670.80 670.93	669.75 669.83	668.88 668.89	668.21 668.24
36+00	36+50	37+00	37+50	38+00	38+50	39+00	39+50	40+00

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DATE - 11/7/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



WATER MAIN PLAN AND PROFILE

SHEET NO. 11 OF 13 SHEETS STA. 36+00.0 TO STA. 40+00.0

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1228	99-00260-01-WR	LAKE	566	178
CONTRACT NO. 61F33				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

25 STA. 41+80, 45.0' RT
 VV TA 5 DIA T1F CL
 WATER VALVES 12"
 RIM = 667.74

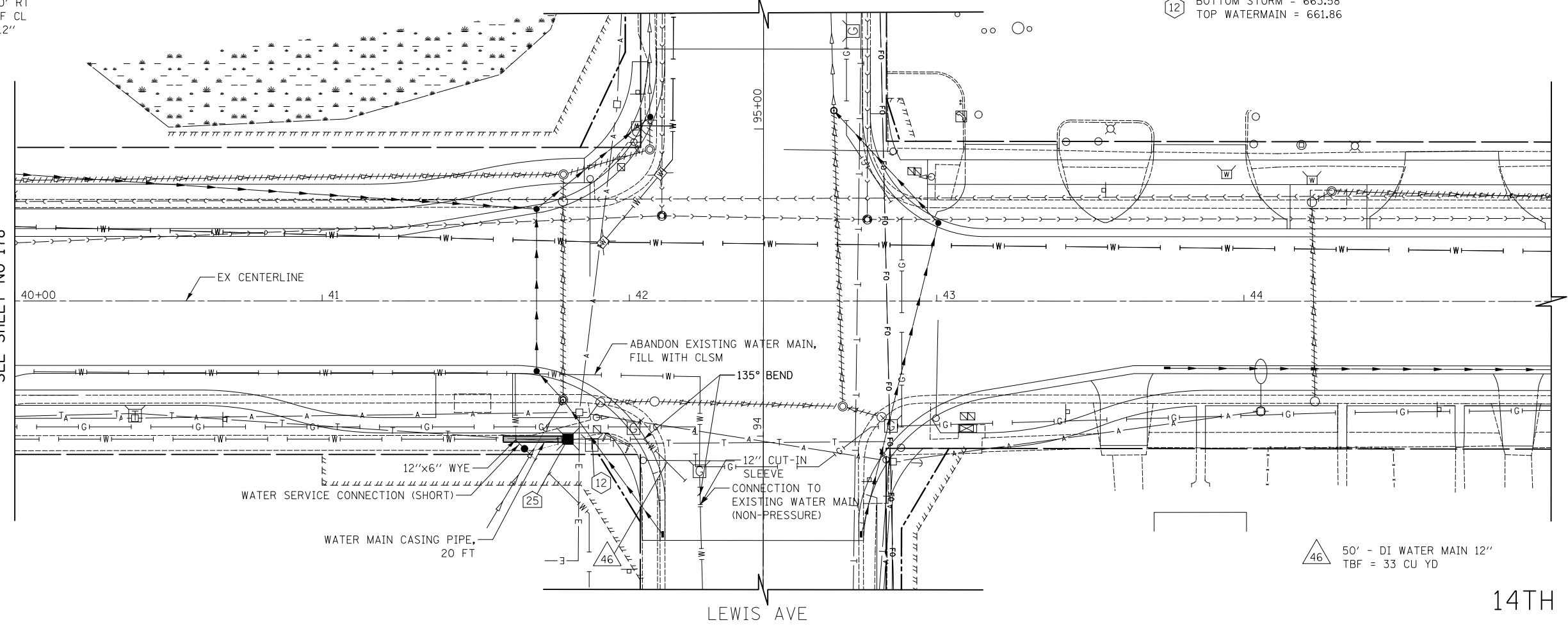
12 BOTTOM STORM = 663.58
 TOP WATERMAIN = 661.86



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NOTE BOOK	
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NOTE BOOK	
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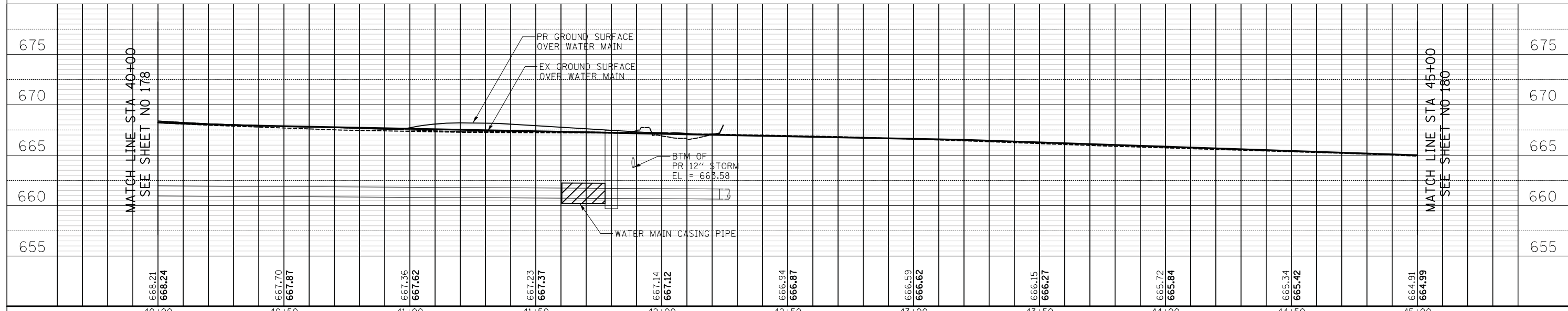
MATCH LINE STA 40+00
 SEE SHEET NO 178



46 50' - DI WATER MAIN 12"
 TBF = 33 CU YD

MATCH LINE STA 40+00
 SEE SHEET NO 178

MATCH LINE STA 45+00
 SEE SHEET NO 180

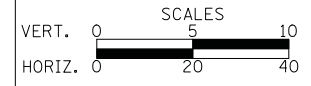


668.21 668.24	667.70 667.87	667.36 667.62	667.23 667.37	667.14 667.12	666.94 666.87	666.59 666.62	666.15 666.27	665.72 665.84	665.34 665.42	664.91 664.99
40+00	40+50	41+00	41+50	42+00	42+50	43+00	43+50	44+00	44+50	45+00

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DATE - 11/7/2018	REVISED -

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DEPARTMENT OF TRANSPORTATION

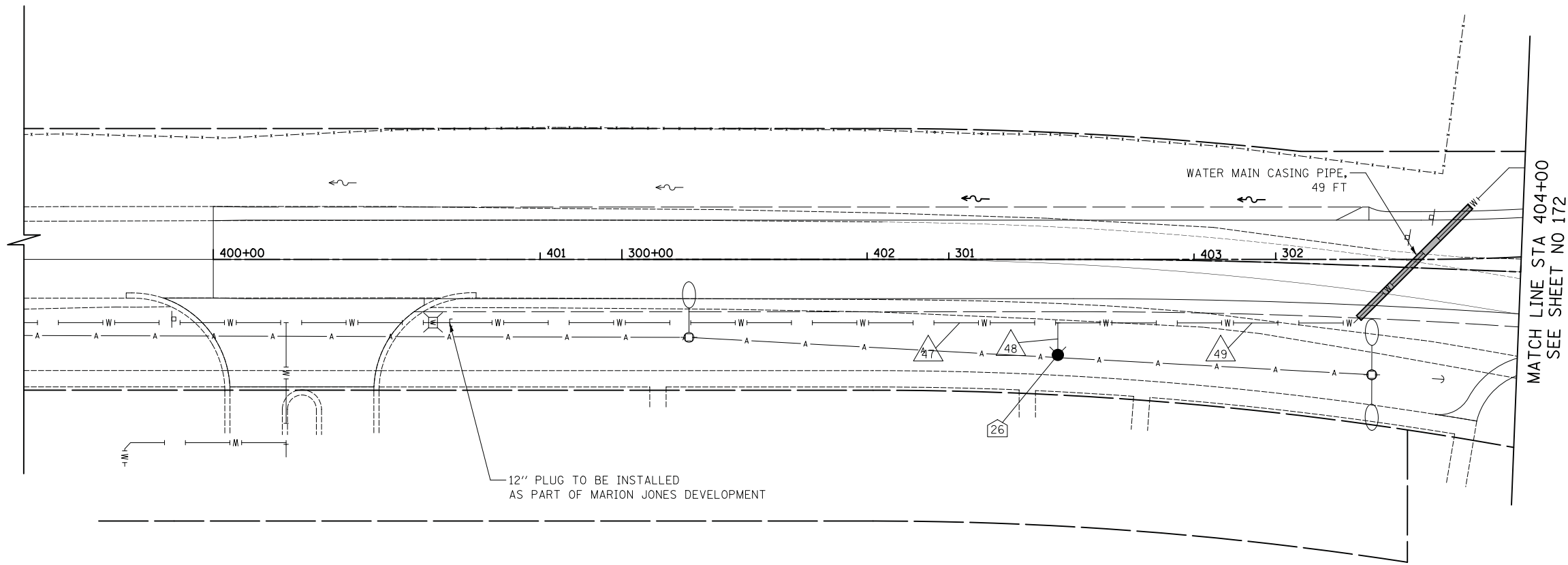
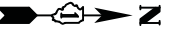


WATER MAIN PLAN AND PROFILE

SHEET NO. 12 OF 13 SHEETS STA. 40+00.0 TO STA. 45+00.0

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1228	99-00260-01-WR	LAKE	566	179
CONTRACT NO. 61F33				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

26 STA. 402+58, 29.2' RT
FIRE HYD W/ AUX V & VB

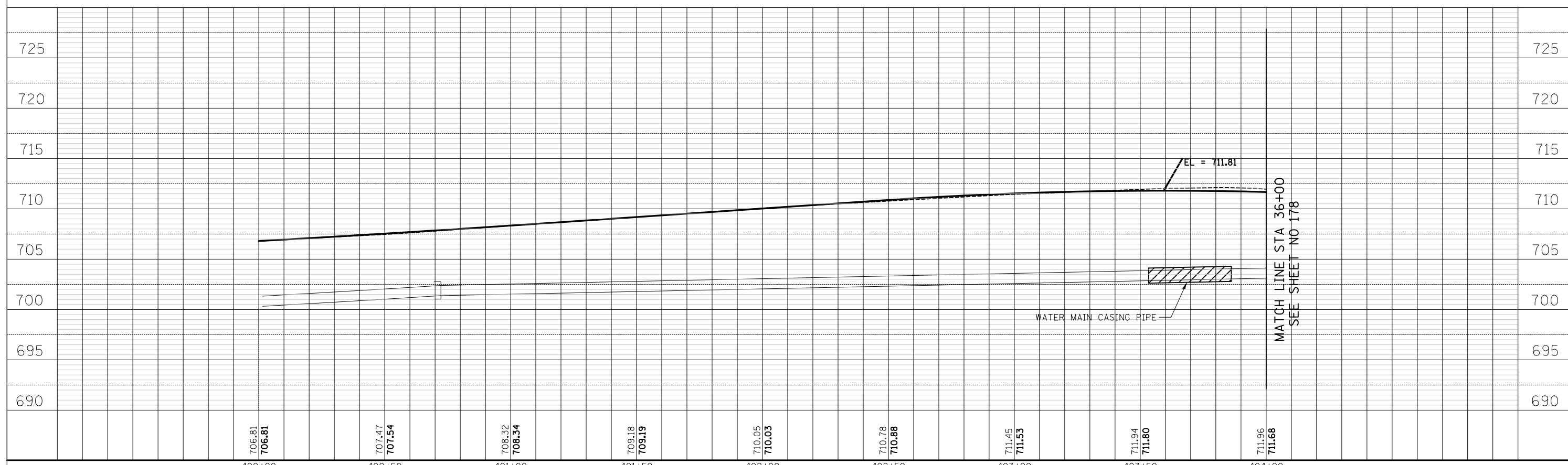


- 47 186' - DI WATER MAIN 12"
TBF = 121 CU YD
- 48 9' - DI WATER MAIN 6"
TBF = 0 CU YD
- 49 271' - DI WATER MAIN 12"
TBF = 130 CU YD

DUGDALE ROAD

DATE	
BY	
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ORIGINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	
DESIGNED - PK	
DRAWN - PK	
CHECKED - JRV	
DATE - 11/7/2018	

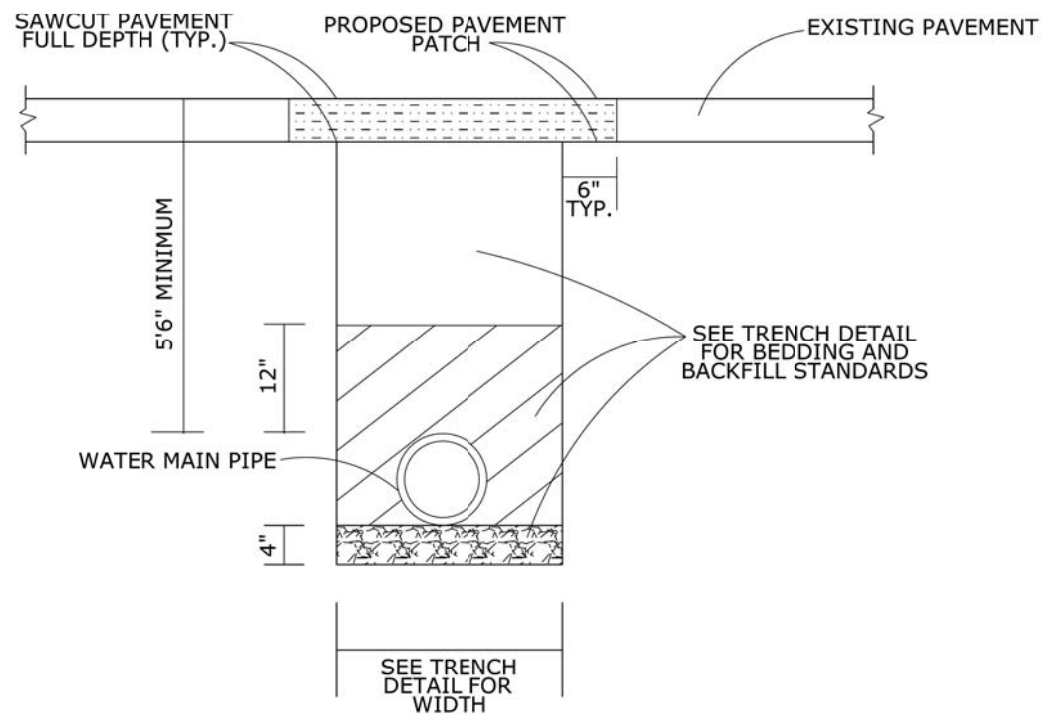
DATE	
BY	
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ORIGINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	
DESIGNED - PK	
DRAWN - PK	
CHECKED - JRV	
DATE - 11/7/2018	



<p>Two Pierce Place, Suite 1400 Itasca, Illinois 60143 Tel: 630.773.3900 Fax: 630.773.3975 www.civiltechinc.com</p>	DESIGNED - PK DRAWN - PK CHECKED - JRV DATE - 11/7/2018	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	VERT. 0 5 10 HORIZ. 0 20 40	WATER MAIN PLAN AND PROFILE	SHEET NO. 13 OF 13 SHEETS STA. 400+00.0 TO STA. 404+00.0	F.A.U. RTE. 1228 SECTION 99-00260-01-WR COUNTY LAKE TOTAL SHEETS 566 SHEET NO. 180 CONTRACT NO. 61F33 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT
	MATCH LINE STA 404+00 SEE SHEET NO 172 (top) / MATCH LINE STA 36+00 SEE SHEET NO 178 (right)						

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



NOTES :

1. WATERMAIN SHALL BE INSTALLED AT A MINIMUM DEPTH OF 5'6" TO THE TOP OF PIPE.
2. WATER MAIN SHALL BE A MINIMUM OF 8" DIAMETER.
3. WATER MAINS SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE (DIP) CONFORMING TO ANSI A21.51 (AWWA C151).
4. ALL PIPE JOINTS SHALL BE 'PUSH-ON' TYPE JOINTS CONFORMING TO ANSI A21.10 (AWWA C110).
5. GATE VALVES MUST BE INSTALLED AT EACH BRANCH MAIN CONNECTION AND ELSEWHERE, AS REQUIRED, TO ALLOW ADEQUATE ISOLATION OF INDIVIDUAL SECTIONS FOR MAINTENANCE.
6. ALL TESTING SHALL BE COMPLETED IN ACCORDANCE WITH SECTION 41-2.12 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION.
7. ANY EXISTING PAVEMENT DISTURBED BY A WATER MAIN INSTALLATION SHALL BE SAWCUT FULL DEPTH AND BE REPLACED WITH 2" SURFACE COURSE AND 2" BINDER COURSE.
8. PLAN AND PROFILE VIEWS SHALL BE PROVIDED FOR ALL WATER MAINS.
9. FIRE HYDRANTS SHALL BE PLACED AT A MAXIMUM OF 300 FEET APART.
10. 90 DEGREE BENDS ARE NOT ALLOWED.
11. THE CONTRACTOR SHALL NOTIFY THE WATER SUPERINTENDENT 48 HOURS PRIOR TO INSTALLATION.
12. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION.

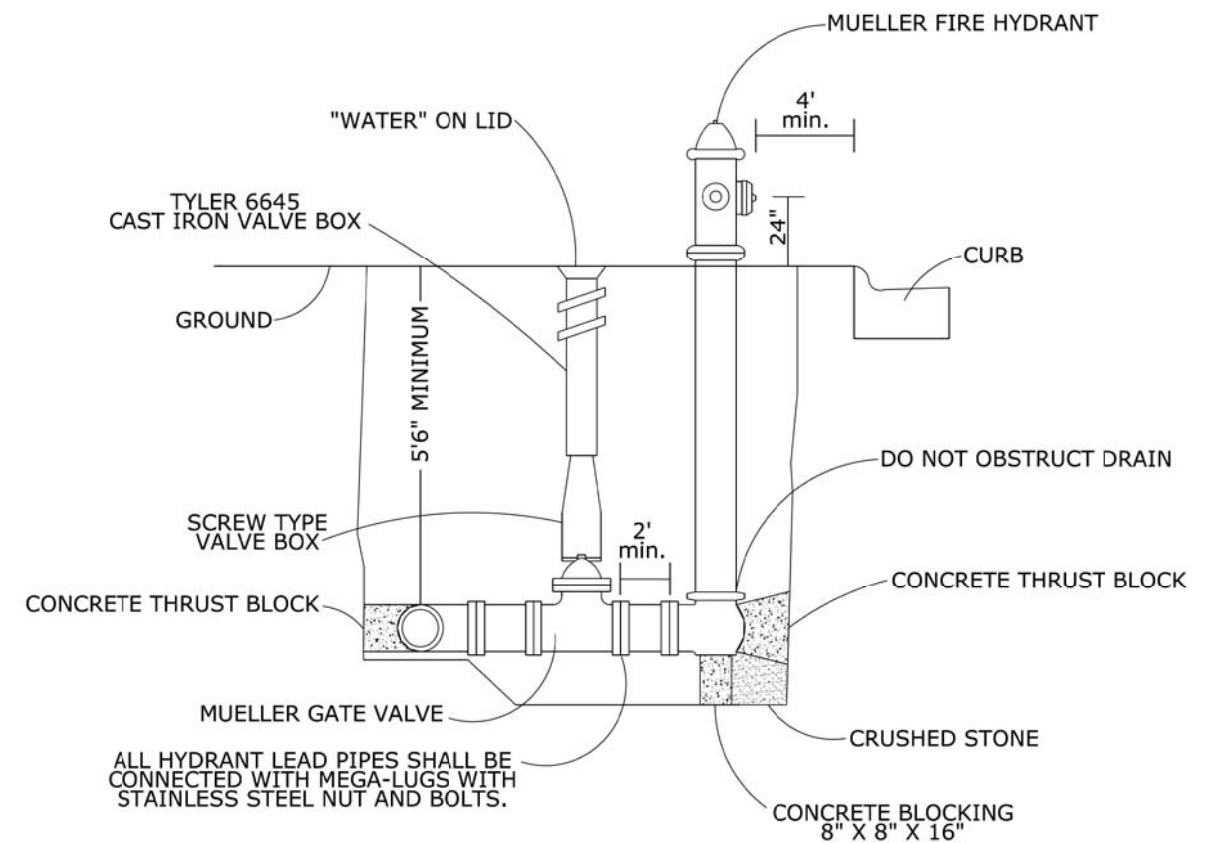
WATER MAIN CONSTRUCTION

WM-1



CITY OF NORTH CHICAGO
1850 LEWIS AVENUE
NORTH CHICAGO, ILLINOIS 60064
TEL : 847-596-8691

CONSTRUCTION STANDARD Last Revised 10-22-12



NOTES :

1. FIRE SERVICE TO PRIVATE PROPERTIES SHALL BE SEPARATE FROM DOMESTIC SERVICE. EACH SERVICE MUST BE METERED SEPARATELY. SEE STANDARDS WM-4 OR WM-8.
2. SPACING OF FIRE HYDRANTS SHALL NOT EXCEED 300 LINEAL FEET.
3. THE CONTRACTOR SHALL NOTIFY THE WATER SUPERINTENDENT 48 HOURS PRIOR TO INSTALLATION.
4. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION.
5. STEAMER PORT SHALL FACE PAVEMENT.
6. HYDRANT SHALL BE PAINTED FIRE RED.

FIRE HYDRANT

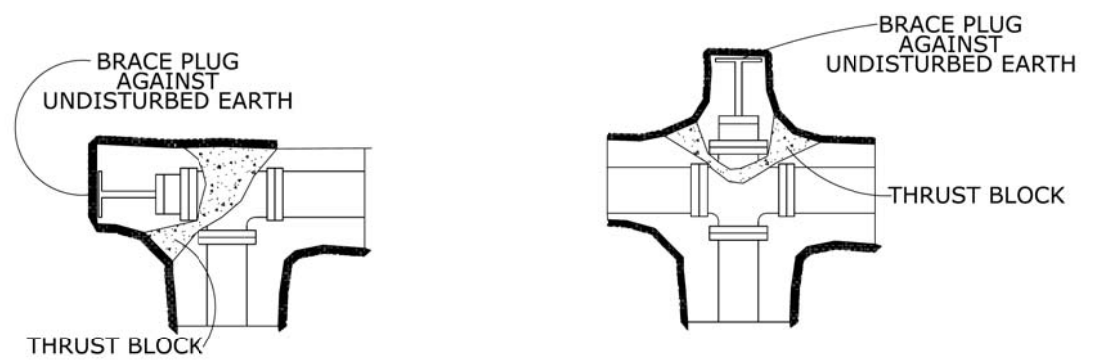
WM-2

CITY OF NORTH CHICAGO
1850 LEWIS AVENUE
NORTH CHICAGO, ILLINOIS 60064
TEL : 847-596-8691

CONSTRUCTION STANDARD Last Revised 10-5-12

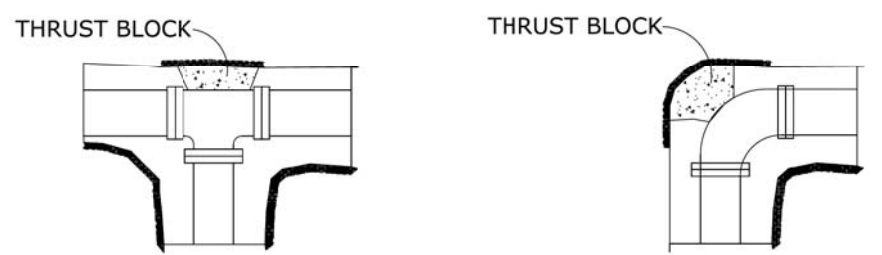
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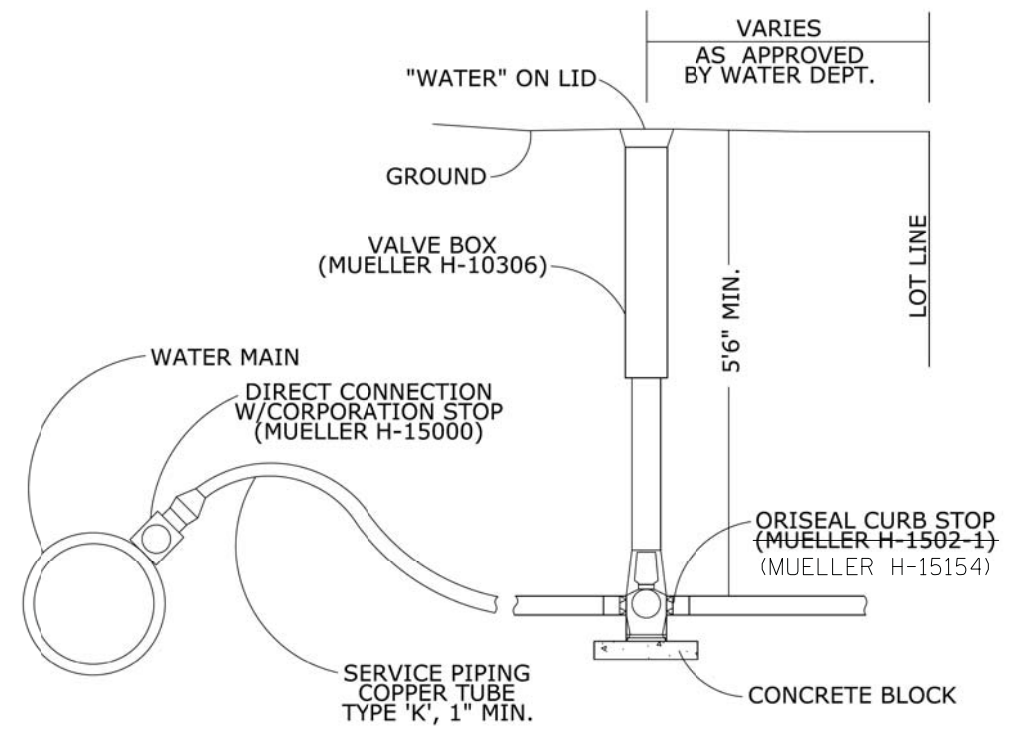
ELBOW

- NOTES :**
1. THRUST BLOCKS REQUIRED AT ALL BENDS REQUIRING FITTINGS.
 2. ALL BLOCKS TO BE 3,000 PSI CONCRETE. JOINTS SHALL BE KEPT CLEAR OF CONCRETE BLOCKING.
 3. THE CONTRACTOR SHALL NOTIFY THE WATER SUPERINTENDENT 48 HOURS PRIOR TO INSTALLATION.
 4. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION.

THRUST BLOCKING WM-3



CITY OF NORTH CHICAGO
 1850 LEWIS AVENUE
 NORTH CHICAGO, ILLINOIS 60064
 TEL : 847-596-8691
 CONSTRUCTION STANDARD Last Revised 10-22-12



- NOTES :**
1. DOMESTIC SERVICES TO BE SEPARATE FROM FIRE SERVICE AND METERED SEPARATELY.
 2. ALL TAPS 2" AND SMALLER SHALL BE COMPLETED BY THE CITY WATER DEPARTMENT. TAPS LARGER THAN 2" SHALL BE COMPLETED BY A QUALIFIED CONTRACTOR, INSPECTED BY THE CITY.
 3. THE CONTRACTOR SHALL NOTIFY THE WATER SUPERINTENDENT 48 HOURS PRIOR TO INSTALLATION.
 4. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION.

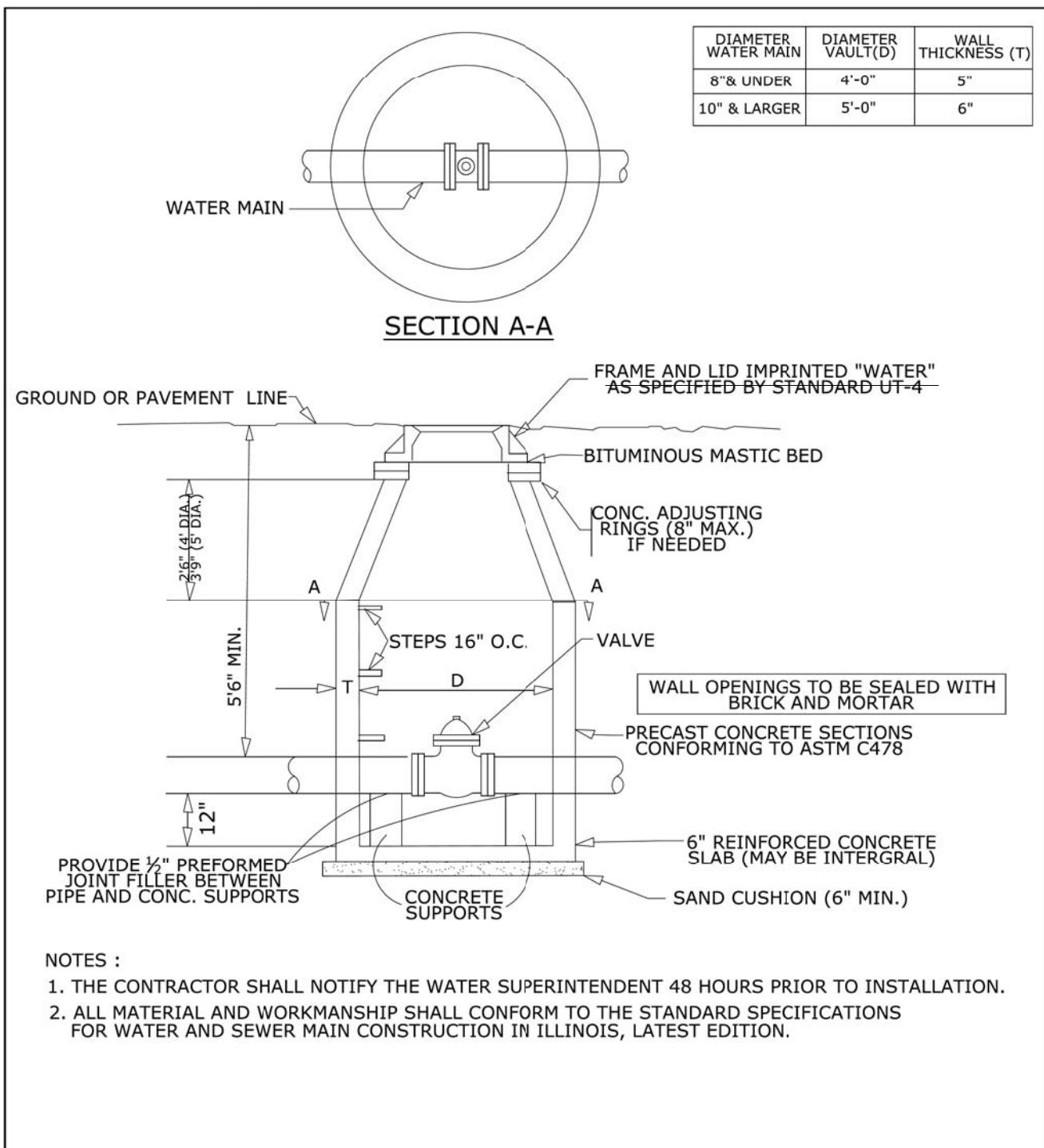
WATER SERVICE WM-4



CITY OF NORTH CHICAGO
 1850 LEWIS AVENUE
 NORTH CHICAGO, ILLINOIS 60064
 TEL : 847-596-8691
 CONSTRUCTION STANDARD Last Revised 10-22-12

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	



DIAMETER WATER MAIN	DIAMETER VAULT(D)	WALL THICKNESS (T)
8" & UNDER	4'-0"	5"
10" & LARGER	5'-0"	6"

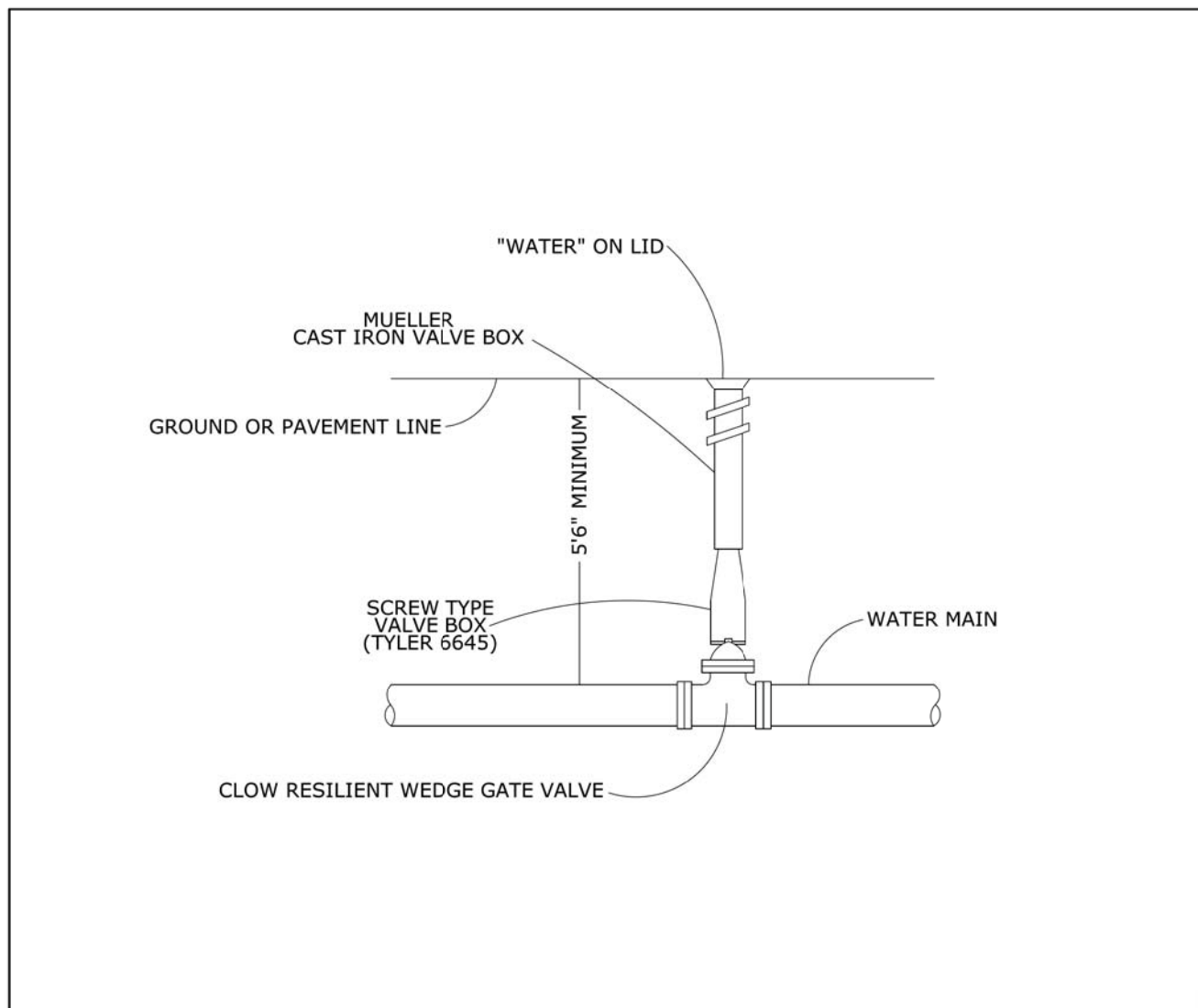
- NOTES :
1. THE CONTRACTOR SHALL NOTIFY THE WATER SUPERINTENDENT 48 HOURS PRIOR TO INSTALLATION.
 2. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION.

VALVE VAULT WM-6



CITY OF NORTH CHICAGO
1850 LEWIS AVENUE
NORTH CHICAGO, ILLINOIS 60064
TEL : 847-596-8691

CONSTRUCTION STANDARD Last Revised 10-22-12



- NOTES :
1. VALVE BOX SHALL BE ACCESSIBLE.
 2. THE CONTRACTOR SHALL NOTIFY THE WATER SUPERINTENDENT 48 HOURS PRIOR TO INSTALLATION.
 3. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION.

VALVE BOX WM-7



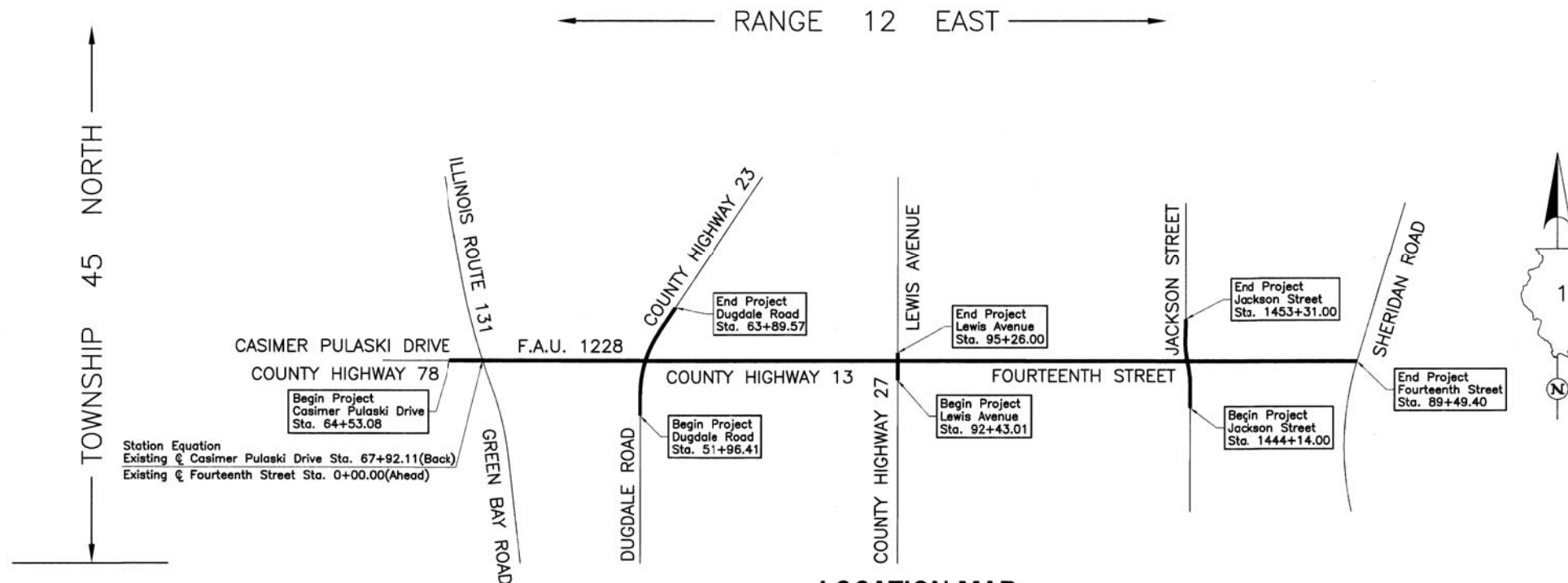
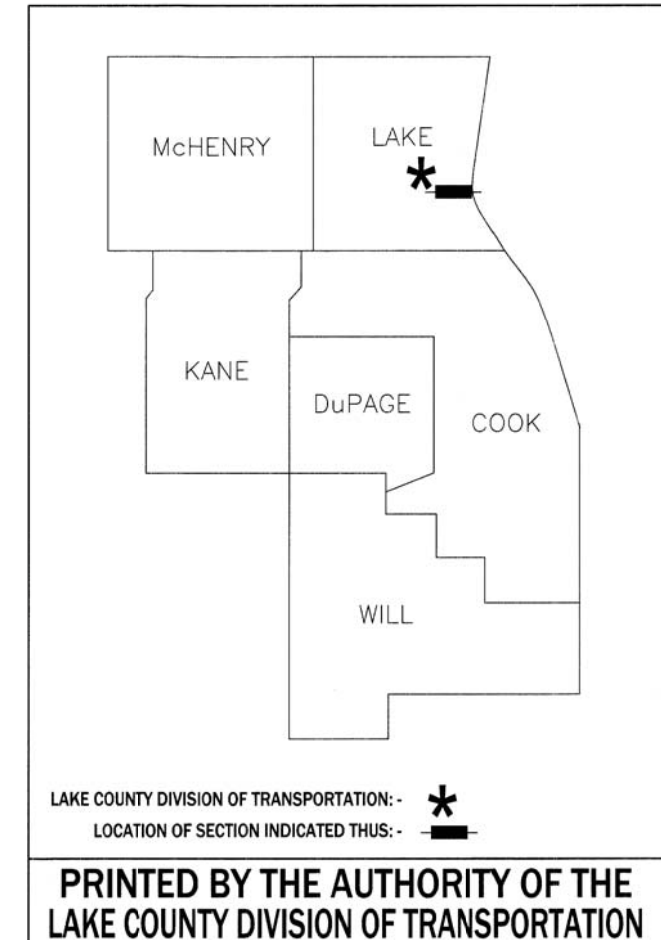
CITY OF NORTH CHICAGO
1850 LEWIS AVENUE
NORTH CHICAGO, ILLINOIS 60064
TEL : 847-596-8691

CONSTRUCTION STANDARD Last Revised 10-22-12

LAKE COUNTY DIVISION OF TRANSPORTATION PLAT OF HIGHWAYS

* F.A.U. 1228 (FOURTEENTH STREET)				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	LAKE	23	1
F.A.U. REG. ILLINOIS PROJECT				
** 99-00260-01-WR R-91-013-17				

ROUTE: F.A.U. 1228 (FOURTEENTH STREET)
SECTION: 99-00260-01-WR
COUNTY: LAKE
LIMITS: GREEN BAY ROAD TO JACKSON STREET
JOB NO.: R-91-013-17



LOCATION MAP

STATE OF ILLINOIS }
 COUNTY OF LAKE } SS

I, SHANE E. SCHNEIDER, COUNTY ENGINEER OF LAKE COUNTY, ILLINOIS, DO HEREBY APPROVE THE PLAT HEREON, PART OF COUNTY HIGHWAY 13, 23, 27 AND 78 IN SAID COUNTY, PREPARED BY JORGENSEN & ASSOCIATES, INC. AT MY DIRECTION.

DATED THIS _____ DAY OF _____ 20__ A.D.

 COUNTY ENGINEER

PROJECT LENGTH = 8,949.40 LIN. FT. = 1.695 MILE, FOURTEENTH STREET
 = 339.03 LIN. FT. = 0.064 MILE, CASIMER PULASKI DRIVE
 = 1,193.16 LIN. FT. = 0.226 MILE, DUGDALE ROAD
 = 282.99 LIN. FT. = 0.053 MILE, LEWIS AVENUE
 = 917.00 LIN. FT. = 0.174 MILE, JACKSON STREET
 TOTAL LENGTH = 11,681.58 LIN. FT. = 2.212 MILES

APPROVED _____ 20____
 LOCAL AGENCY OFFICIAL

APPROVED _____ 20____
 ENGINEER OF LAND ACQUISITION

APPROVED _____ 20____
 ENGINEER OF LOCAL ROADS & STREETS

APPROVED _____ 20____
 COUNTY ENGINEER

LAKE COUNTY
DIVISION OF TRANSPORTATION

PLAT OF HIGHWAYS INDEX SHEET

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
0001 0001E.	DJJR, LLC, a Wisconsin limited liability company	3 & 19	
0002	Jose Zurita	3	
0003-A 0003-B 0003P.E. 0003T.E.	Lake County Forest Preserve District	4, 6, 7 & 20	
0004 0004P.E. 0004T.E.-A 0004T.E.-B	Stonemor Illinois LLC, an Illinois limited liability company	5 & 21	
0005 0005P.E. 0005T.E.	Bronze Stone, LLC, an Illinois limited liability company	6	
0006 0006T.E.	Abraham M. Baker	9	
0007E.	Whispering Oaks Associates, L.P., an Illinois limited partnership	8 & 20	
0008E.	Geraldine Jones	10	
0009E.	Geratene Walker	10	
0010E.	Glenlake Terrace Realty LLC, an Illinois limited liability company	11	
0011E.	Chicago Title Land Trust Company as Trustee under trust agreement dated November 20, 2005 and known as Trust No. 8002347755	11	
0013 0013T.E.	Lake County Forest Preserve District	12 & 20	
0014 0014T.E.	Chicago Title Land Trust Company as successor to Bank of Northern Illinois, N.A., formerly known as The First National Bank of Waukegan as Trustee under Trust Agreement dated May 20, 1971 known as Trust No. 2311	13	
0015 0015T.E.	Gilco Properties, LLC, an Illinois limited liability company	13	
0016E.	Julia Garibay	14	
0017E.	Alix Eugene and Sabrina Mitchell, in joint tenancy	15	
0018E.	John L. Robinson, as to an undivided 50% interest and John L. McKinney and Herlett Yvonne McKinney, as joint tenants as to an undivided 50% interest	16	
0019 0019T.E.	The Chicago Trust Company as successor to Wayne Hummer Trust Company, N.A., as Trustee under Trust No. LFT-1948	17	
0020 0020T.E.	David Gutierrez and Carmen Vazquez, as joint tenants	17	
0021E.	María Lara, Teresa Garcia and Israel Pina	18	
0022E.	Williams & Williams Real Estates & Rental LLC	18	

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

**PLAT OF HIGHWAYS
LAKE COUNTY
DIVISION OF TRANSPORTATION**
F.A.U. 1228 (FOURTEENTH STREET)
LIMITS: GREEN BAY ROAD TO JACKSON STREET
LAKE COUNTY
SECTION: 99-00260-01-WR JOB NO. R-91-013-17
STATION TO STATION
SCALE: NONE SHEET 2 OF 23

**LAKE COUNTY DIVISION OF TRANSPORTATION
600 WEST WINCHESTER ROAD
LIBERTYVILLE, ILLINOIS 60048**

REVISION DATE October 2, 2018

REVISION Eliminated Parcel 0012

MADE BY

PART OF THE EAST 1/2 OF SEC. 31, TWP. 45 N., R. 12 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

FRED'K H. BARTLETT'S
NORTH SHORE ESTATES
Recorded June 7, 1924
as Document No. 241070

SEE SHEET 3A

SEE SHEET 4

FRED'K H. BARTLETT'S
NORTH SHORE ESTATES
Recorded June 7, 1924
as Document No. 241070

Block 105

LEGEND

SECTION CORNER
QUARTER CORNER

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

APL
APPARENT PROPERTY LINE
EXISTING CENTER LINE
PROPOSED CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DIMENSION

EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

SCALE: 1"=20'

0 20' 40'

CASIMER PULASKI DRIVE

COUNTY HIGHWAY 13

COUNTY HIGHWAY 78

F.A.U. 1228

FOURTEENTH STREET

See Sheet 19
for Total Holdings
Parcel 0001
& 0001T.E.

FRED'K H. BARTLETT'S
NORTH SHORE PARK
Recorded August 13, 1924
in Book N of Plats, Page 29
as Document No. 244359

FRED'K H. BARTLETT'S
NORTH SHORE PARK
Recorded August 13, 1924
in Book N of Plats, Page 29
as Document No. 244359



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 31, TOWNSHIP 45N., RANGE 12E., 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 LAKE COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 27th DAY OF July 2018 A.D.

Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

All dimensions are measured unless otherwise specified. Areas shown on this plat are ground. All measured and computed distances are grid not ground. To obtain ground distances, divide grid distances shown by the combined factor of 0.9999688605.

Schedule of Ties

Point Number	Tie to point	Tie Distance (feet)
1	T1 T2 T3	11.11 11.25 22.42
2	T1 T2 T3	17.44 10.92 16.68
3	T1 T2 T3	14.04 12.76 16.41
4	T1 T2 T3	12.84 11.01 17.79

Existing @
Illinois Route 131
Curve #2

P.I. = Sta. 104+31.86
Δ = 10°19'21"
R = 6875.27'
T = 621.01'
L = 1238.66'
E = 27.99'
P.C. = Sta. 98+10.85
P.T. = Sta. 110+49.51

Record @ R.O.W.
Illinois Route 131
Curve Data

Δ = 10°19'21"
R = 6875.50'
T = 621.01'
L = 1238.70'
E = 27.99'

PROJECT COORDINATES
Illinois Coordinate System NAD 83(2011) East Zone

STATION	OFFSET	NORTH	EAST
0+80.00	50.00' Rt.	2,064,670.470	1,109,180.006
0+83.21	41.25' Rt.	2,064,679.211	1,109,183.228
0+83.85	50.00' Lt.	2,064,770.460	1,109,184.012
2+88.29	℄	2,064,720.141	1,109,388.374
2+88.34	40.00' Rt.	2,064,680.143	1,109,388.363
2+88.34	41.34' Rt.	2,064,678.807	1,109,388.363
2+88.35	50.00' Rt.	2,064,670.143	1,109,388.360
66+89.97	60.00' Lt.	2,064,780.752	1,108,998.044
67+53.30	51.20' Rt.	2,064,669.452	1,109,061.197
67+61.97	51.21' Rt.	2,064,669.435	1,109,069.863
67+66.86	51.21' Rt.	2,064,669.426	1,109,074.751
67+68.36	55.72' Rt.	2,064,664.908	1,109,076.247
67+71.03	63.74' Rt.	2,064,656.889	1,109,078.910
98+99.05	70.00' Lt.	2,064,523.644	1,109,092.935
99+10.26	40.00' Rt.	2,064,570.845	1,109,192.922
99+18.28	40.00' Rt.	2,064,551.900	1,109,114.787
101+83.96	60.00' Lt.	2,064,799.826	1,109,012.131

EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
0001	1291550	January 12, 1966
0001	1306407	June 8, 1966
0001	1306408	June 8, 1966
0001	1316493	September 14, 1966
0001	1745030	December 29, 1975
0002	793701	June 18, 1953
0002	1193196	July 22, 1963
0002	66-5488	*April 2, 1969
0002	66-5488	*January 25, 1971
----	792138	June 3, 1953
----	802118	September 11, 1953
----	852110	January 20, 1955
----	66-5488	*December 29, 1967
----	66-5488	*February 14, 1969
----	1846530	June 28, 1977
----	1914784	May 4, 1978
----	7501572	July 27, 2018

PROJECT COORDINATES
Illinois Coordinate System NAD 83(2011) East Zone

STATION	OFFSET	NORTH	EAST
0+60.58	55.60' Rt.	2,064,664.901	1,109,160.580
0+66.10	71.89' Rt.	2,064,648.598	1,109,166.076

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

PLAT OF HIGHWAYS
LAKE COUNTY
DIVISION OF TRANSPORTATION
F.A.U. 1228 (FOURTEENTH STREET)
LIMITS: GREEN BAY ROAD TO JACKSON STREET
LAKE COUNTY

SECTION: 99-00260-01-WR JOB NO. R-91-013-17
STATION 0+00.00 TO STATION 3+00
STATION 66+00 TO STATION 67+92.11
STATION 98+00 TO STATION 102+00
SCALE: 1"=20' SHEET 3 OF 23

LAKE COUNTY DIVISION OF TRANSPORTATION
600 WEST WINCHESTER ROAD
LIBERTYVILLE, ILLINOIS 60048

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART ACRES	TAKEN SQUARE FEET	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
0001 0001T.E.	1.612	0.000	11	N/A	1.612	0.002	74	Grading	08-31-402-004 08-31-402-005 08-31-402-010 08-31-402-011 08-31-402-012
0002	0.534	0.049	N/A	N/A	0.485	N/A	N/A	N/A	08-31-403-016

REVISION DATE February 19, 2018

REVISION Eliminated County Engineer Certificate

MADE BY

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

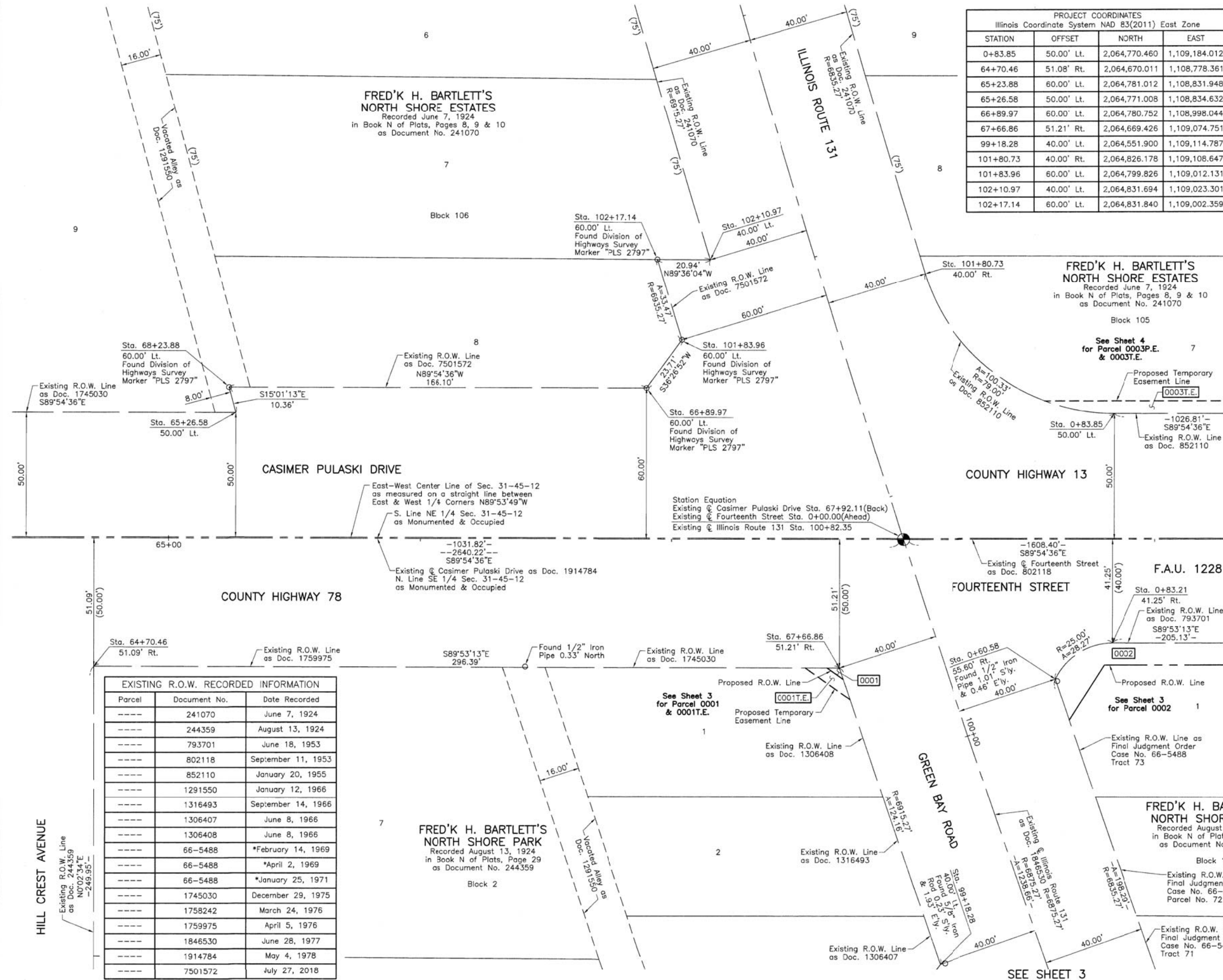
APL APPARENT PROPERTY LINE
 EXISTING CENTER LINE
 PROPOSED CENTER LINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 EXISTING EASEMENT
 PROPOSED EASEMENT
 EXISTING ACCESS CONTROL LINE
 PROPOSED ACCESS CONTROL LINE
 MEASURED DIMENSION
 COMPUTED DIMENSION
 RECORD DIMENSION

EXISTING BUILDING

Scale: 1"=20'
 Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

PROJECT COORDINATES
 Illinois Coordinate System NAD 83(2011) East Zone

STATION	OFFSET	NORTH	EAST
0+83.85	50.00' Lt.	2,064,770.460	1,109,184.012
64+70.46	51.08' Rt.	2,064,670.011	1,108,778.361
65+23.88	60.00' Lt.	2,064,781.012	1,108,831.948
65+26.58	50.00' Lt.	2,064,771.008	1,108,834.632
66+89.97	60.00' Lt.	2,064,780.752	1,108,998.044
67+66.86	51.21' Rt.	2,064,669.426	1,109,074.751
99+18.28	40.00' Lt.	2,064,551.900	1,109,114.787
101+80.73	40.00' Rt.	2,064,826.178	1,109,108.647
101+83.96	60.00' Lt.	2,064,799.826	1,109,012.131
102+10.97	40.00' Lt.	2,064,831.694	1,109,023.301
102+17.14	60.00' Lt.	2,064,831.840	1,109,002.359



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
0003-A 0003-B 0003P.E. 0003T.E.	158.465	A=0.078 B=1.452	B=0.150	156.935	P.E.=0.028 T.E.=0.243	Drainage Grading	08-31-204-013 08-31-215-016 08-31-216-007 08-31-221-011 08-31-224-004 08-32-101-013 08-32-108-001 through 08-32-108-012 08-32-111-001 08-32-111-002 08-32-111-003

Schedule of Ties		
Point Number	Tie to point	Tie Distance (feet)
1	T1	30.62
	T2	43.86
	T3	49.68
2	T1	15.18
	T2	23.86
	T3	31.69
3	T1	32.45
	T2	24.56
	T3	14.86
4	T1	49.64
	T2	44.55
	T3	30.66

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
0003	241070	June 7, 1924
0003	792137	June 3, 1953
0003	792138	June 3, 1953
0003	793702	June 18, 1953
0003	793703	June 18, 1953
0003	852110	January 20, 1955
0003	852112	January 20, 1955
0003	1193196	July 22, 1963
0003	2034712	November 19, 1979
----	241070	June 7, 1924
----	792440	June 5, 1953
----	793701	June 18, 1953
----	802118	September 11, 1953
----	1193196	July 22, 1963
----	1306408	June 8, 1966
----	1316493	September 14, 1966
----	66-5408	*April 2, 1969
----	66-5488	*January 25, 1971
----	1745030	December 29, 1975
----	1758242	March 24, 1976
----	1846530	May 28, 1977
----	1914784	May 4, 1978

PROJECT COORDINATES Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
0+60.58	55.60' Rt.	2,064,664.901	1,109,160.580
0+83.21	41.25' Rt.	2,064,679.211	1,109,183.228
0+83.85	50.00' Lt.	2,064,770.460	1,109,184.012
1+69.99	55.00' Lt.	2,064,775.325	1,109,270.167
1+69.99	60.00' Lt.	2,064,780.325	1,109,270.175
2+59.99	60.00' Lt.	2,064,780.184	1,109,360.172
2+88.29	0	2,064,720.141	1,109,388.374
2+88.34	40.00' Rt.	2,064,680.143	1,109,388.363
2+88.34	41.34' Rt.	2,064,678.807	1,109,388.363
3+94.99	75.00' Lt.	2,064,794.971	1,109,495.191
4+24.99	70.00' Lt.	2,064,789.924	1,109,525.182
4+24.99	75.00' Lt.	2,064,794.924	1,109,525.190
5+44.98	70.00' Lt.	2,064,789.736	1,109,645.178
5+44.98	90.00' Lt.	2,064,809.736	1,109,645.209
5+49.98	50.00' Lt.	2,064,769.729	1,109,650.146
5+49.98	70.00' Lt.	2,064,789.728	1,109,650.178
5+79.64	50.00' Lt.	2,064,769.683	1,109,679.801
5+79.66	33.00' Lt.	2,064,752.683	1,109,679.803
6+09.98	50.00' Lt.	2,064,769.635	1,109,710.144
6+09.98	70.00' Lt.	2,064,789.634	1,109,710.176
6+14.98	70.00' Lt.	2,064,789.626	1,109,715.175
6+14.98	90.00' Lt.	2,064,809.626	1,109,715.207
6+45.64	50.00' Lt.	2,064,769.579	1,109,745.799
6+45.66	33.00' Lt.	2,064,752.580	1,109,745.801
6+59.98	70.00' Lt.	2,064,789.556	1,109,760.174
7+74.97	50.00' Lt.	2,064,769.376	1,109,875.138
101+80.73	40.00' Lt.	2,064,826.178	1,109,108.647
102+10.97	40.00' Lt.	2,064,831.694	1,109,023.301

LEGEND

SECTION CORNER 9 10 16 15

QUARTER SECTION CORNER

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

APL APPARENT PROPERTY LINE
EXISTING CENTER LINE
PROPOSED CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DIMENSION

EXISTING BUILDING

IRON PIPE OR ROD FOUND
CUT CROSS FOUND OR SET

"MAG" NAIL SET
5/8" REBAR SET

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.

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.

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 31, TOWNSHIP 45N., RANGE 12E., 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 LAKE COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS.

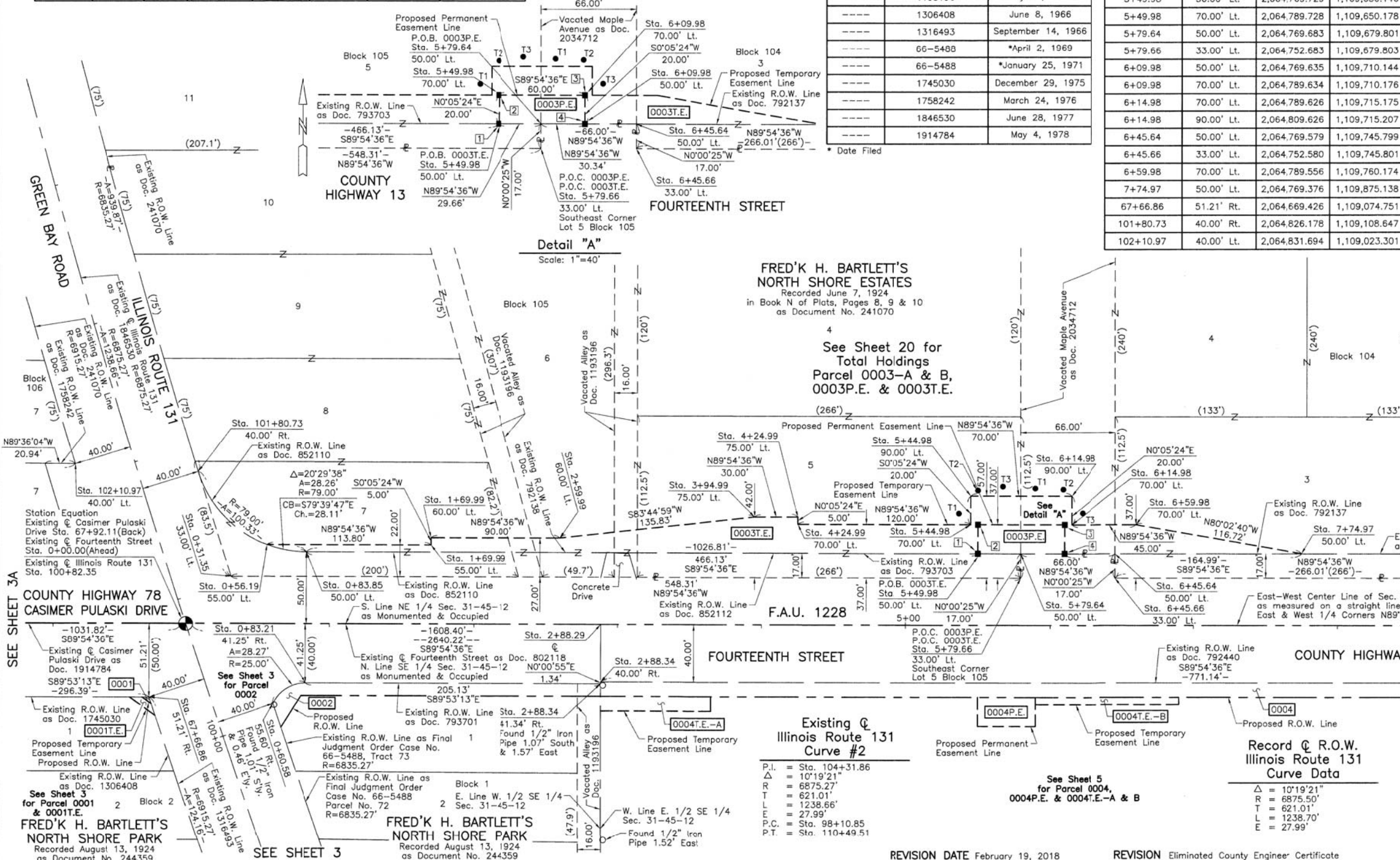
DATED AT LAKE VILLA, ILLINOIS THIS 27th DAY OF July 2018 A.D.

Christina H. Jorgensen PRESIDENT
2797 PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018
LAKE VILLA, ILLINOIS

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
AREAS SHOWN ON THIS PLAT ARE GROUND.
ALL MEASURED AND COMPUTED DISTANCES ARE GRID NOT GROUND.
TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINED FACTOR OF 0.9999668605.

PROJECT COORDINATES Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
0+31.35	33.00' Lt.	2,064,753.543	1,109,131.490
0+56.19	55.00' Lt.	2,064,775.504	1,109,156.363

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



FRED'K H. BARTLETT'S
NORTH SHORE ESTATES
Recorded June 7, 1924
in Book N of Plats, Pages 8, 9 & 10
as Document No. 241070

See Sheet 20 for
Total Holdings
Parcel 0003-A & B,
0003P.E. & 0003T.E.

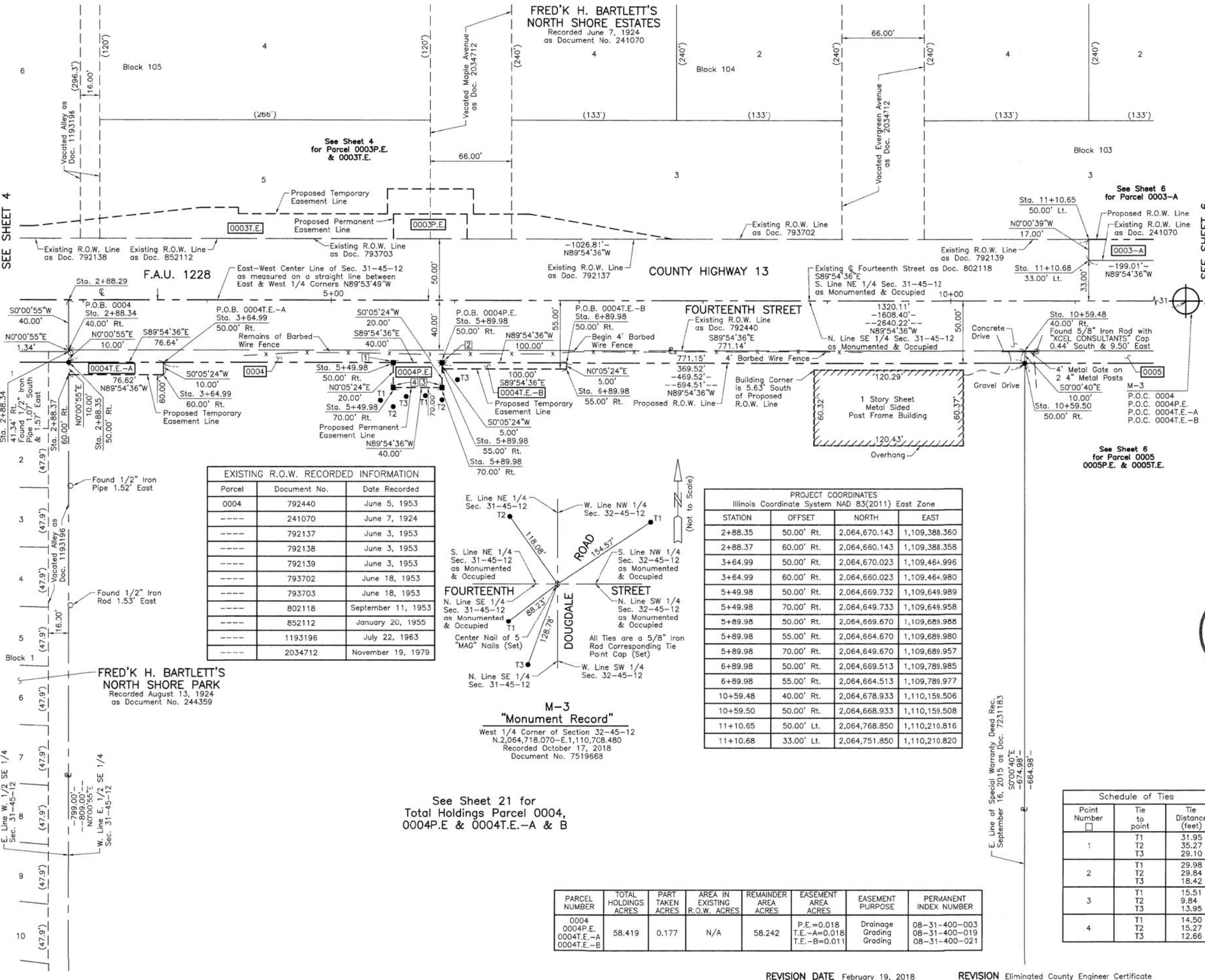
Existing @
Illinois Route 131
Curve #2

P.I. = Sta. 104+31.86
Δ = 10°19'21"
R = 6875.27'
T = 621.01'
L = 1238.66'
P.C. = Sta. 98+10.85
P.T. = Sta. 110+49.51

Record @ R.O.W.
Illinois Route 131
Curve Data

Δ = 10°19'21"
R = 6875.50'
T = 621.01'
L = 1238.70'
E = 27.99'

PART OF THE EAST 1/2 OF SEC. 31, TWP. 45 N., R. 12 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.



LEGEND

SECTION CORNER: 9 10 15 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
 EXISTING CENTER LINE
 PROPOSED CENTER LINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 EXISTING EASEMENT
 PROPOSED EASEMENT
 EXISTING ACCESS CONTROL LINE
 PROPOSED ACCESS CONTROL LINE
 MEASURED DIMENSION
 COMPUTED DIMENSION
 RECORD DIMENSION

EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

SCALE: 1"=40'

- 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.

Parcel	Document No.	Date Recorded
0004	792440	June 5, 1953
----	241070	June 7, 1924
----	792137	June 3, 1953
----	792138	June 3, 1953
----	792139	June 3, 1953
----	793702	June 18, 1953
----	793703	June 18, 1953
----	802118	September 11, 1953
----	852112	January 20, 1955
----	1193196	July 22, 1963
----	2034712	November 19, 1979

PROJECT COORDINATES			
Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
2+88.35	50.00' Rt.	2,064,670.143	1,109,388.360
2+88.37	60.00' Rt.	2,064,660.143	1,109,388.358
3+64.99	50.00' Rt.	2,064,670.023	1,109,464.996
3+64.99	60.00' Rt.	2,064,660.023	1,109,464.980
5+49.98	50.00' Rt.	2,064,669.732	1,109,649.989
5+49.98	70.00' Rt.	2,064,649.733	1,109,649.958
5+89.98	50.00' Rt.	2,064,669.670	1,109,689.988
5+89.98	55.00' Rt.	2,064,664.670	1,109,689.980
5+89.98	70.00' Rt.	2,064,649.670	1,109,689.957
6+89.98	50.00' Rt.	2,064,669.513	1,109,789.985
6+89.98	55.00' Rt.	2,064,664.513	1,109,789.977
10+59.48	40.00' Rt.	2,064,678.933	1,110,159.506
10+59.50	50.00' Rt.	2,064,668.933	1,110,159.508
11+10.65	50.00' Lt.	2,064,768.850	1,110,210.816
11+10.68	33.00' Lt.	2,064,751.850	1,110,210.820

M-3
 "Monument Record"
 West 1/4 Corner of Section 32-45-12
 N. 2,064,718.070 - E. 1,110,708.480
 Recorded October 17, 2018
 Document No. 7519668

See Sheet 21 for
 Total Holdings Parcel 0004,
 0004P.E. & 0004T.E.-A & B

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
0004	58.419	0.177	N/A	58.242	P.E.=0.018 T.E.-A=0.018 T.E.-B=0.011	Drainage Grading	08-31-400-003 08-31-400-019 08-31-400-021

Schedule of Ties		
Point Number	Tie to point	Tie Distance (feet)
1	T1	31.95
	T2	35.27
	T3	29.10
2	T1	29.98
	T2	29.84
	T3	18.42
3	T1	15.51
	T2	9.84
	T3	13.95
4	T1	14.50
	T2	15.27
	T3	12.66



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 31, TOWNSHIP 45N., RANGE 12E., 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 LAKE COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 17th DAY OF October 2018 A.D.

Christian H. Jorgensen PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

All dimensions are measured unless otherwise specified.
 Areas shown on this plat are ground.
 All measured and computed distances are grid not ground.
 To obtain ground distances, divide grid distances shown by the combined factor of 0.9999658605.

PROJECT COORDINATES			
Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
2+88.29	⊕	2,064,720.141	1,109,388.374
2+88.34	40.00' Rt.	2,064,680.143	1,109,388.363
2+88.34	41.34' Rt.	2,064,678.807	1,109,388.363

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

PLAT OF HIGHWAYS

LAKE COUNTY
 DIVISION OF TRANSPORTATION
 F.A.U. 1228 (FOURTEENTH STREET)
 LIMITS: GREEN BAY ROAD TO JACKSON STREET
 LAKE COUNTY
 SECTION: 99-00260-01-WR JOB NO. R-91-013-17
 STATION 2+00 TO STATION 12+00
 SCALE: 1"=40' SHEET 5 OF 23

LAKE COUNTY DIVISION OF TRANSPORTATION
 600 WEST WINCHESTER ROAD
 LIBERTYVILLE, ILLINOIS 60048

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

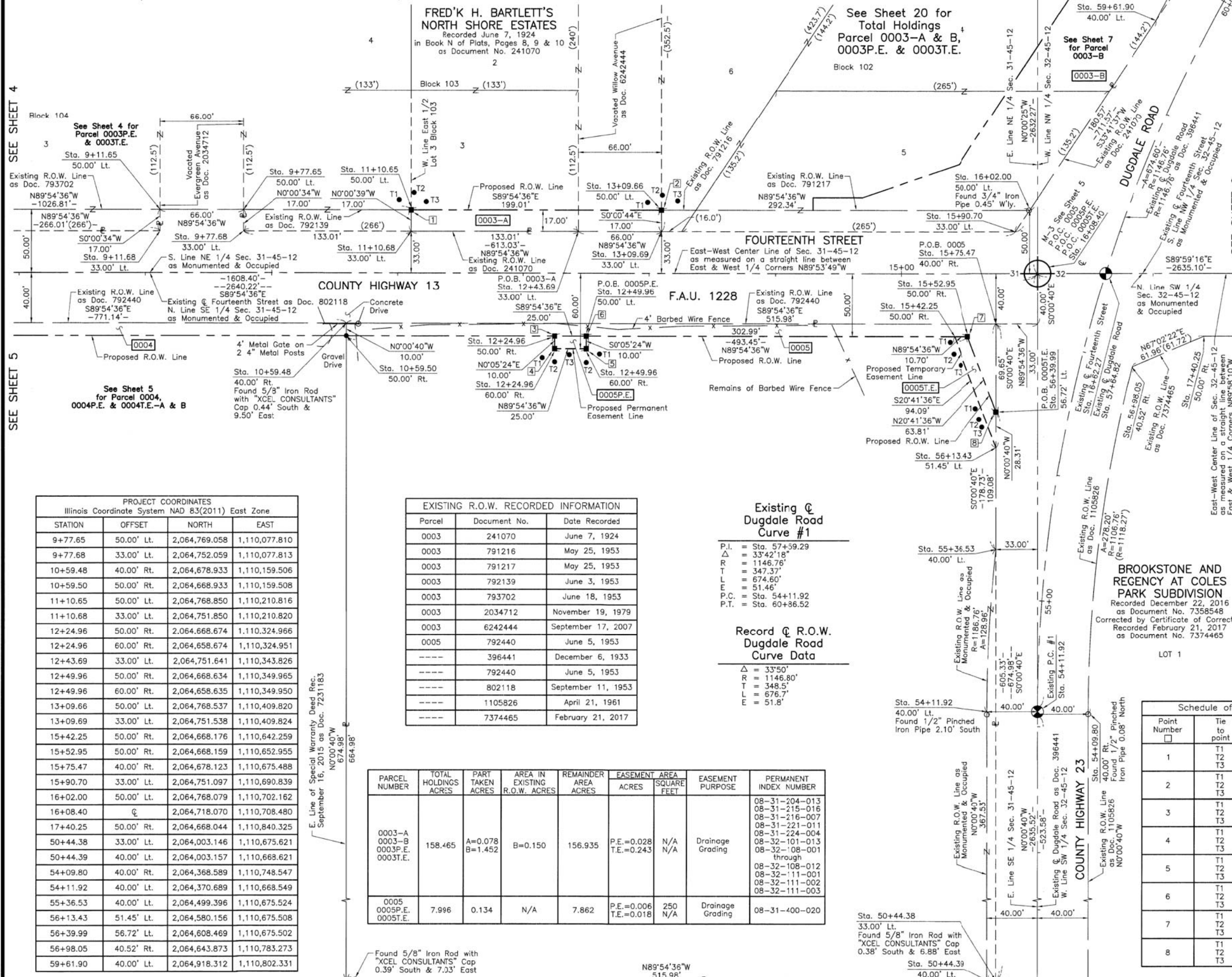
APL: APPARENT PROPERTY LINE
 EXISTING CENTER LINE
 PROPOSED CENTER LINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 EXISTING EASEMENT
 PROPOSED EASEMENT
 EXISTING ACCESS CONTROL LINE
 PROPOSED ACCESS CONTROL LINE
 MEASURED DIMENSION
 COMPUTED DIMENSION
 RECORD DIMENSION

EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

SCALE: 1"=40'

0 40' 80'



PROJECT COORDINATES
 Illinois Coordinate System NAD 83(2011) East Zone

STATION	OFFSET	NORTH	EAST
9+77.65	50.00' Lt.	2,064,769.058	1,110,077.810
9+77.68	33.00' Lt.	2,064,752.059	1,110,077.813
10+59.48	40.00' Rt.	2,064,678.933	1,110,159.506
10+59.50	50.00' Rt.	2,064,668.933	1,110,159.508
11+10.65	50.00' Lt.	2,064,768.850	1,110,210.816
11+10.68	33.00' Lt.	2,064,751.850	1,110,210.820
12+24.96	50.00' Rt.	2,064,668.674	1,110,324.966
12+24.96	60.00' Rt.	2,064,658.674	1,110,324.951
12+43.69	33.00' Lt.	2,064,751.641	1,110,343.826
12+49.96	50.00' Rt.	2,064,668.634	1,110,349.965
12+49.96	60.00' Rt.	2,064,658.635	1,110,349.950
13+09.66	50.00' Lt.	2,064,768.537	1,110,409.820
13+09.69	33.00' Lt.	2,064,751.538	1,110,409.824
15+42.25	50.00' Rt.	2,064,668.176	1,110,642.259
15+52.95	50.00' Rt.	2,064,668.159	1,110,652.955
15+75.47	40.00' Rt.	2,064,678.123	1,110,675.488
16+02.00	50.00' Lt.	2,064,751.097	1,110,690.839
16+08.40	∅	2,064,718.070	1,110,708.480
17+40.25	50.00' Rt.	2,064,668.044	1,110,840.325
50+44.38	33.00' Lt.	2,064,003.146	1,110,675.621
50+44.39	40.00' Lt.	2,064,003.157	1,110,668.621
54+09.80	40.00' Rt.	2,064,368.589	1,110,748.547
54+11.92	40.00' Lt.	2,064,370.689	1,110,668.549
55+36.53	40.00' Lt.	2,064,499.396	1,110,675.524
56+13.43	51.45' Lt.	2,064,580.156	1,110,675.508
56+39.99	56.72' Lt.	2,064,608.469	1,110,675.502
56+98.05	40.52' Rt.	2,064,643.873	1,110,783.273
59+61.90	40.00' Lt.	2,064,918.312	1,110,802.331

EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
0003	241070	June 7, 1924
0003	791216	May 25, 1953
0003	791217	May 25, 1953
0003	792139	June 3, 1953
0003	793702	June 18, 1953
0003	2034712	November 19, 1979
0003	6242444	September 17, 2007
0005	792440	June 5, 1953
-----	396441	December 6, 1933
-----	792440	June 5, 1953
-----	802118	September 11, 1953
-----	1105826	April 21, 1961
-----	7374465	February 21, 2017

PARCEL NUMBER	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
0003-A 0003-B 0003P.E. 0003T.E.	158.465	A=0.078 B=1.452	B=0.150	156.935	P.E.=0.028 T.E.=0.243	N/A N/A	Drainage Grading	08-31-204-013 08-31-215-016 08-31-216-007 08-31-221-011 08-31-224-004 08-32-101-013 08-32-108-001 through 08-32-108-012 08-32-111-001 08-32-111-002 08-32-111-003
0005 0005P.E. 0005T.E.	7.996	0.134	N/A	7.862	P.E.=0.006 T.E.=0.018	250 N/A	Drainage Grading	08-31-400-020

Existing ∅ Dugdale Road Curve #1

P.I. = Sta. 57+59.29
 Δ = 33°42'18"
 R = 1146.76'
 T = 347.37'
 L = 674.60'
 E = 51.46'
 P.C. = Sta. 54+11.92
 P.T. = Sta. 60+86.52

Record ∅ R.O.W. Dugdale Road Curve Data

Δ = 33°50'
 R = 1146.80'
 T = 348.5'
 L = 676.7'
 E = 51.8'

BROOKSTONE AND REGENCY AT COLES PARK SUBDIVISION
 Recorded December 22, 2016 as Document No. 7358548
 Corrected by Certificate of Correction Recorded February 21, 2017 as Document No. 7374465



Schedule of Ties

Point Number	Tie to point	Tie Distance (feet)
1	T1	12.45
	T2	13.91
	T3	13.63
2	T1	12.48
	T2	11.84
	T3	14.76
3	T1	19.74
	T2	20.37
	T3	18.80
4	T1	12.12
	T2	10.37
	T3	12.58
5	T1	11.21
	T2	10.92
	T3	14.18
6	T1	17.59
	T2	20.99
	T3	19.92
7	T1	14.98
	T2	17.90
	T3	23.26
8	T1	16.48
	T2	14.60
	T3	16.30

PROJECT COORDINATES
 Illinois Coordinate System NAD 83(2011) East Zone

STATION	OFFSET	NORTH	EAST
9+11.65	50.00' Lt.	2,064,769.162	1,110,011.812
9+11.68	33.00' Lt.	2,064,752.162	1,110,011.815

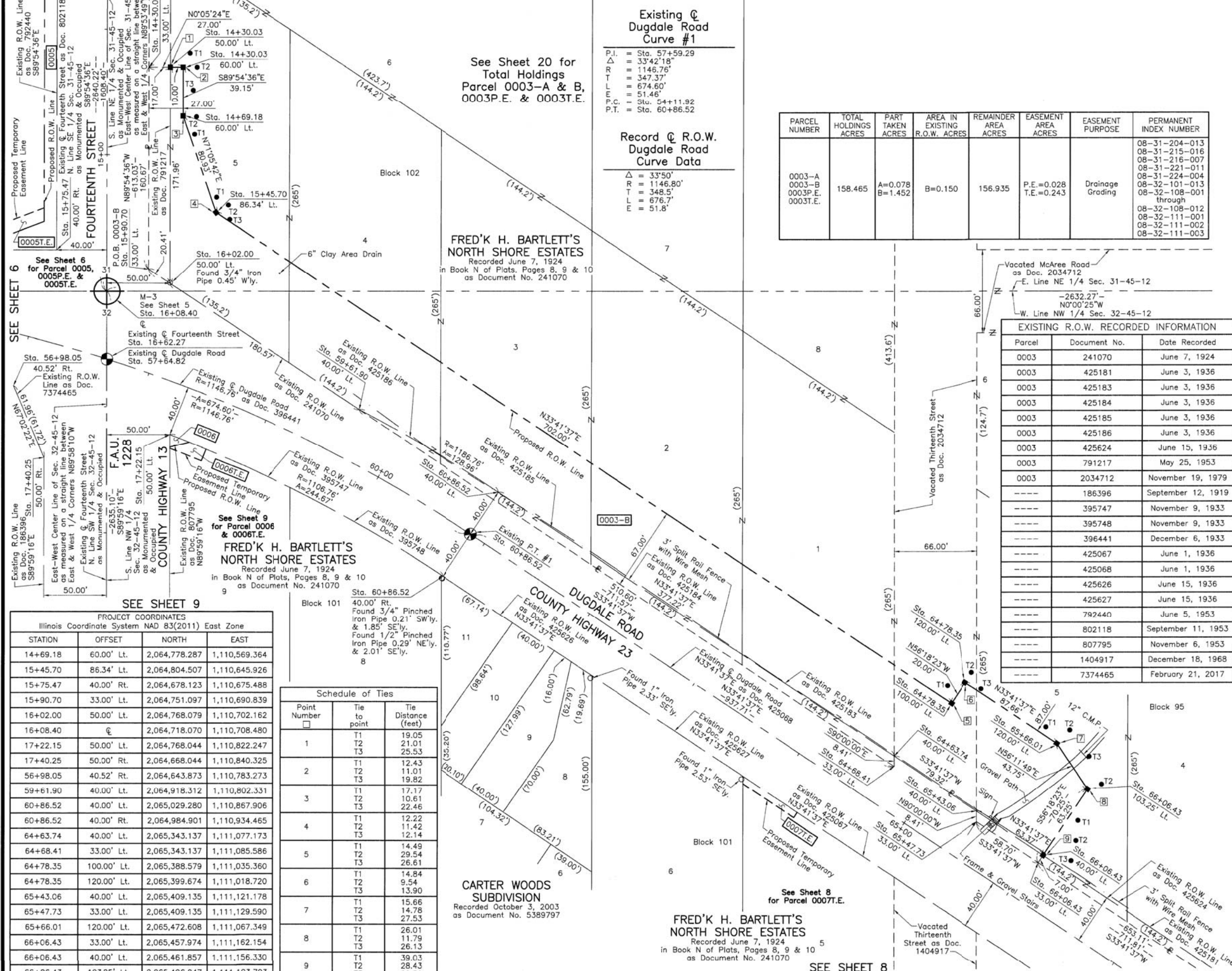
JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60046
 (847) 356-3371

PLAT OF HIGHWAYS LAKE COUNTY DIVISION OF TRANSPORTATION
 F.A.U. 1228 (FOURTEENTH STREET)
 LIMITS: GREEN BAY ROAD TO JACKSON STREET
 LAKE COUNTY
 SECTION: 99-00260-01-WR JOB NO. R-91-013-17
 STATION 8+00 TO STATION 18+00
 STATION 50+00 TO STATION 60+00
 SCALE: 1"=40' SHEET 6 OF 23

LAKE COUNTY DIVISION OF TRANSPORTATION
 600 WEST WINCHESTER ROAD
 LIBERTYVILLE, ILLINOIS 60048

PART OF THE EAST 1/2 OF SEC. 31 AND PART OF THE WEST 1/2 OF SEC. 32, TWP. 45 N., R. 12 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

SEE SHEET 6



Existing @ Dugdale Road Curve #1
 P.I. = Sta. 57+59.29
 Δ = 33°42'18"
 R = 1146.76'
 L = 347.37'
 T = 674.60'
 P.C. = 51.46'
 P.T. = Sta. 60+86.52

Record @ R.O.W. Dugdale Road Curve Data
 Δ = 33°50'
 R = 1146.80'
 L = 348.5'
 T = 676.7'
 E = 51.8'

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
0003-A 0003-B 0003P.E. 0003T.E.	158.465	A=0.078 B=1.452	B=0.150	156.935	P.E.=0.028 T.E.=0.243	Drainage Grading	08-31-204-013 08-31-215-016 08-31-216-007 08-31-221-011 08-31-224-004 08-32-101-013 08-32-108-001 through 08-32-108-012 08-32-111-001 08-32-111-002 08-32-111-003

EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
0003	241070	June 7, 1924
0003	425181	June 3, 1936
0003	425183	June 3, 1936
0003	425184	June 3, 1936
0003	425185	June 3, 1936
0003	425186	June 3, 1936
0003	425624	June 15, 1936
0003	791217	May 25, 1953
0003	2034712	November 19, 1979
---	186396	September 12, 1919
---	395747	November 9, 1933
---	395748	November 9, 1933
---	396441	December 6, 1933
---	425067	June 1, 1936
---	425068	June 1, 1936
---	425626	June 15, 1936
---	792440	June 5, 1953
---	802118	September 11, 1953
---	807795	November 6, 1953
---	1404917	December 18, 1968
---	7374465	February 21, 2017

PROJECT COORDINATES
 Illinois Coordinate System NAD 83(2011) East Zone

STATION	OFFSET	NORTH	EAST
14+69.18	60.00' Lt.	2,064,778.287	1,110,569.364
15+45.70	86.34' Lt.	2,064,804.507	1,110,645.926
15+75.47	40.00' Rt.	2,064,678.123	1,110,675.488
15+90.70	33.00' Lt.	2,064,751.097	1,110,690.839
16+02.00	50.00' Lt.	2,064,768.079	1,110,702.162
16+08.40	€	2,064,718.070	1,110,708.480
17+22.15	50.00' Lt.	2,064,768.044	1,110,822.247
17+40.25	50.00' Rt.	2,064,668.044	1,110,840.325
56+98.05	40.52' Rt.	2,064,643.873	1,110,783.273
59+61.90	40.00' Lt.	2,064,918.312	1,110,802.331
60+86.52	40.00' Lt.	2,065,029.280	1,110,867.906
60+86.52	40.00' Rt.	2,064,984.901	1,110,934.465
64+63.74	40.00' Lt.	2,065,343.137	1,111,077.173
64+68.41	33.00' Lt.	2,065,343.137	1,111,085.586
64+78.35	100.00' Lt.	2,065,388.579	1,111,035.360
64+78.35	120.00' Lt.	2,065,399.674	1,111,018.720
65+43.06	40.00' Lt.	2,065,409.135	1,111,121.178
65+47.73	33.00' Lt.	2,065,409.135	1,111,129.590
65+66.01	120.00' Lt.	2,065,472.608	1,111,067.349
66+06.43	33.00' Lt.	2,065,457.974	1,111,162.154
66+06.43	40.00' Lt.	2,065,461.857	1,111,156.330
66+06.43	103.25' Lt.	2,065,496.947	1,111,103.703

Schedule of Ties

Point Number	Tie to point	Tie Distance (feet)
1	T1	19.05
	T2	21.01
	T3	25.53
2	T1	12.43
	T2	11.01
	T3	19.82
3	T1	17.17
	T2	10.61
	T3	22.46
4	T1	12.22
	T2	11.42
	T3	12.14
5	T1	14.49
	T2	29.54
	T3	26.61
6	T1	14.84
	T2	9.54
	T3	13.90
7	T1	15.66
	T2	14.78
	T3	27.53
8	T1	26.01
	T2	11.79
	T3	26.13
9	T1	39.03
	T2	28.43
	T3	22.52

LEGEND

- SECTION CORNER
- QUARTER CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL
- APPARENT PROPERTY LINE
- EXISTING CENTER LINE
- PROPOSED CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DIMENSION
- EXISTING BUILDING

Scale: 1"=40'

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 T2 T3 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 BT2 BT3 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 31, TOWNSHIP 45N., RANGE 12E. AND SECTION 32, TOWNSHIP 45N., RANGE 12E., 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 LAKE COUNTY DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 8th DAY OF February 2018 A.D.

Christian H. Jorgensen PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2018
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
 All dimensions are measured unless otherwise specified.
 Areas shown on this plat are ground.
 All measured and computed distances are grid not ground.
 To obtain ground distances, divide grid distances shown by the combined factor of 0.9999668605.

PROJECT COORDINATES
 Illinois Coordinate System NAD 83(2011) East Zone

STATION	OFFSET	NORTH	EAST
14+30.03	33.00' Lt.	2,064,751.349	1,110,530.172
14+30.03	50.00' Lt.	2,064,768.348	1,110,530.199
14+30.03	60.00' Lt.	2,064,778.348	1,110,530.214

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

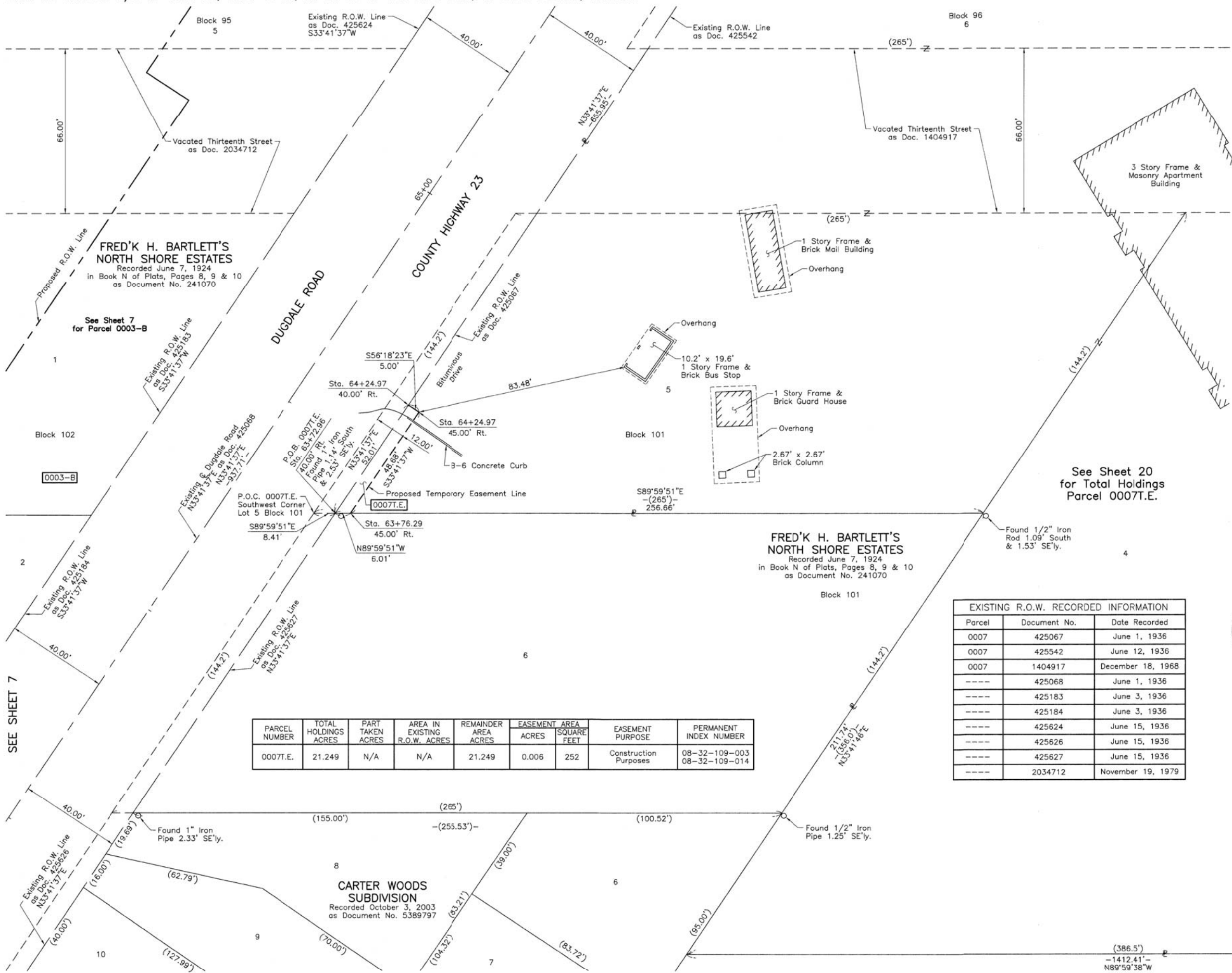
PLAT OF HIGHWAYS
LAKE COUNTY
DIVISION OF TRANSPORTATION
 F.A.U. 1228 (FOURTEENTH STREET)
 LIMITS: GREEN BAY ROAD TO JACKSON STREET
 LAKE COUNTY
 SECTION: 99-00260-01-WR JOB NO. R-91-013-17
 STATION 13+00 TO STATION 18+00
 STATION 56+00 TO STATION 67+00
 SCALE: 1"=40' SHEET 7 OF 23

LAKE COUNTY DIVISION OF TRANSPORTATION
 600 WEST WINCHESTER ROAD
 LIBERTYVILLE, ILLINOIS 60048

SEE SHEET 8
 REVISION DATE February 19, 2018
 REVISION Eliminated County Engineer Certificate

MADE BY

PART OF THE NW 1/4 OF SEC. 32, TWP. 45 N., R. 12 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.



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
 EXISTING CENTER LINE
 PROPOSED CENTER LINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 EXISTING EASEMENT
 PROPOSED EASEMENT
 EXISTING ACCESS CONTROL LINE
 PROPOSED ACCESS CONTROL LINE
 MEASURED DIMENSION
 COMPUTED DIMENSION
 RECORD DIMENSION

EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

SCALE: 1"=20'

- O 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.
- 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.
- 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 32, TOWNSHIP 45N., RANGE 12E., 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 LAKE COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 2nd DAY OF February 20 18 A.D.



Christian H. Jorgensen PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. All dimensions are measured unless otherwise specified. Areas shown on this plat are ground. All measured and computed distances are grid not ground. To obtain ground distances, divide grid distances shown by the combined factor of 0.9999668605.

Parcel	Document No.	Date Recorded
0007	425067	June 1, 1936
0007	425542	June 12, 1936
0007	1404917	December 18, 1968
----	425068	June 1, 1936
----	425183	June 3, 1936
----	425184	June 3, 1936
----	425624	June 15, 1936
----	425626	June 15, 1936
----	425627	June 15, 1936
----	2034712	November 19, 1979

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
0007T.E.	21.249	N/A	N/A	21.249	0.006	252	Construction Purposes	08-32-109-003 08-32-109-014

PROJECT COORDINATES			
Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
63+72.96	40.00' Rt.	2,065,223.224	1,111,093.369
63+76.29	45.00' Rt.	2,065,223.223	1,111,099.378
64+24.97	40.00' Rt.	2,065,266.497	1,111,122.222
64+24.97	45.00' Rt.	2,065,263.724	1,111,126.382

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

PLAT OF HIGHWAYS
LAKE COUNTY
DIVISION OF TRANSPORTATION
 F.A.U. 1228 (FOURTEENTH STREET)
 LIMITS: GREEN BAY ROAD TO JACKSON STREET
 LAKE COUNTY
 SECTION: 99-00260-01-WR JOB NO. R-91-013-17
 STATION 62+00 TO STATION 66+00
 SCALE: 1"=20' SHEET 8 OF 23

LAKE COUNTY DIVISION OF TRANSPORTATION
 600 WEST WINCHESTER ROAD
 LIBERTYVILLE, ILLINOIS 60048

REVISION DATE February 20, 2018 REVISION Eliminated County Engineer Certificate

MADE BY

SECTION CORNER
QUARTER SECTION CORNER

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

APL
APPARENT PROPERTY LINE
EXISTING CENTER LINE
PROPOSED CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DIMENSION

EXISTING BUILDING

Scale: 1"=20'
Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

PROJECT COORDINATES
Illinois Coordinate System NAD 83(2011) East Zone

STATION	OFFSET	NORTH	EAST
17+22.15	50.00' Lt.	2,064,768.044	1,110,822.247
17+31.94	50.00' Lt.	2,064,768.042	1,110,832.038
17+32.87	50.00' Lt.	2,064,768.042	1,110,832.966
17+40.25	50.00' Rt.	2,064,668.044	1,110,840.325
19+46.39	50.00' Lt.	2,064,767.997	1,111,046.487
56+98.05	40.52' Rt.	2,064,643.873	1,110,783.273
58+49.98	40.00' Rt.	2,064,783.298	1,110,828.241
58+56.28	10.17' Rt.	2,064,800.195	1,110,802.898
58+64.98	40.00' Rt.	2,064,796.697	1,110,833.722
58+64.98	50.00' Rt.	2,064,792.850	1,110,842.952
59+17.84	20.84' Rt.	2,064,851.487	1,110,837.097
59+27.22	40.00' Rt.	2,064,851.483	1,110,858.321
59+61.90	40.00' Lt.	2,064,916.312	1,110,802.331
60+86.52	40.00' Rt.	2,064,984.901	1,110,934.465

EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
0006	395747	November 9, 1933
0006	807795	November 6, 1953
----	186396	September 12, 1919
----	241070	June 7, 1924
----	395748	November 9, 1933
----	396441	December 6, 1933
----	425186	June 3, 1936
----	807796	November 6, 1953
----	1105826	April 21, 1961
----	7374465	February 21, 2017

Existing @ Dugdale Road Curve #1

P.I. = Sta. 57+59.29
 Δ = 33°42'18"
 R = 1146.76'
 T = 347.37'
 L = 674.60'
 P.C. = Sta. 54+11.92
 P.T. = Sta. 60+86.52

Record @ R.O.W. Dugdale Road Curve Data

Δ = 33°50'
 R = 1146.80'
 T = 348.5'
 L = 676.7'
 E = 51.8'

- 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.
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- 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 32, TOWNSHIP 45N., RANGE 12E., 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 LAKE COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 2nd DAY OF February 2018 A.D.



Christian H. Jorgensen PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2018
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
 All dimensions are measured unless otherwise specified.
 Areas shown on this plat are ground.
 All measured and computed distances are grid not ground.
 To obtain ground distances, divide grid distances shown by the combined factor of 0.9999668605.

PROJECT COORDINATES
Illinois Coordinate System NAD 83(2011) East Zone

STATION	OFFSET	NORTH	EAST
16+02.00	50.00' Lt.	2,064,768.079	1,110,702.162
16+08.40	☐	2,064,718.070	1,110,708.480
16+81.37	50.00' Lt.	2,064,768.053	1,110,781.467

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

PLAT OF HIGHWAYS
LAKE COUNTY
DIVISION OF TRANSPORTATION
 F.A.U. 1228 (FOURTEENTH STREET)
 LIMITS: GREEN BAY ROAD TO JACKSON STREET
 LAKE COUNTY
 SECTION: 99-00260-01-WR JOB NO. R-91-013-17
 STATION 16+00 TO STATION 21+00
 STATION 56+00 TO STATION 61+00
 SCALE: 1"=20' SHEET 9 OF 23

LAKE COUNTY DIVISION OF TRANSPORTATION
 600 WEST WINCHESTER ROAD
 LIBERTYVILLE, ILLINOIS 60048

LOT 1

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
0006 0006T.E.	0.508	0.022	0.021	0.486	0.005	214	Construction Purposes	08-32-109-047

Schedule of Ties

Point Number	Tie to point	Tie Distance (feet)
1	T1	29.43
	T2	19.91
	T3	22.00
2	T1	18.62
	T2	17.72
	T3	28.97

BROOKSTONE AND REGENCY AT COLES PARK SUBDIVISION
 Recorded December 22, 2016
 as Document No. 7358548
 Corrected by Certificate of Correction
 Recorded February 21, 2017
 as Document No. 7374465

PART OF THE WEST 1/2 OF SEC. 32, TWP. 45 N., R. 12 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
0008	807793	November 6, 1953
0008	5389797	October 3, 2003
0009	807792	November 6, 1953
0009	5389797	October 3, 2003
----	186396	September 12, 1919
----	807793	November 6, 1953
----	807796	November 6, 1953
----	807797	November 6, 1953
----	807798	November 6, 1953

PROJECT COORDINATES Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
23+99.21	50.00' Lt.	2,064,767.900	1,111,499.302
23+99.33	85.00' Lt.	2,064,802.899	1,111,499.434
24+59.20	50.00' Lt.	2,064,767.887	1,111,559.301
24+59.33	85.00' Lt.	2,064,802.886	1,111,559.433
24+69.92	65.00' Lt.	2,064,782.885	1,111,570.017
25+19.11	65.00' Lt.	2,064,782.874	1,111,619.212
25+19.13	50.00' Lt.	2,064,767.875	1,111,619.221

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
0008T.E.	0.119	N/A	N/A	0.119	0.015	Grading	08-32-109-057
0009T.E.	0.175	N/A	N/A	0.175	0.023	Grading	08-32-109-044

LEGEND

SECTION CORNER: 9 10 16 15

QUARTER SECTION CORNER: 16 15

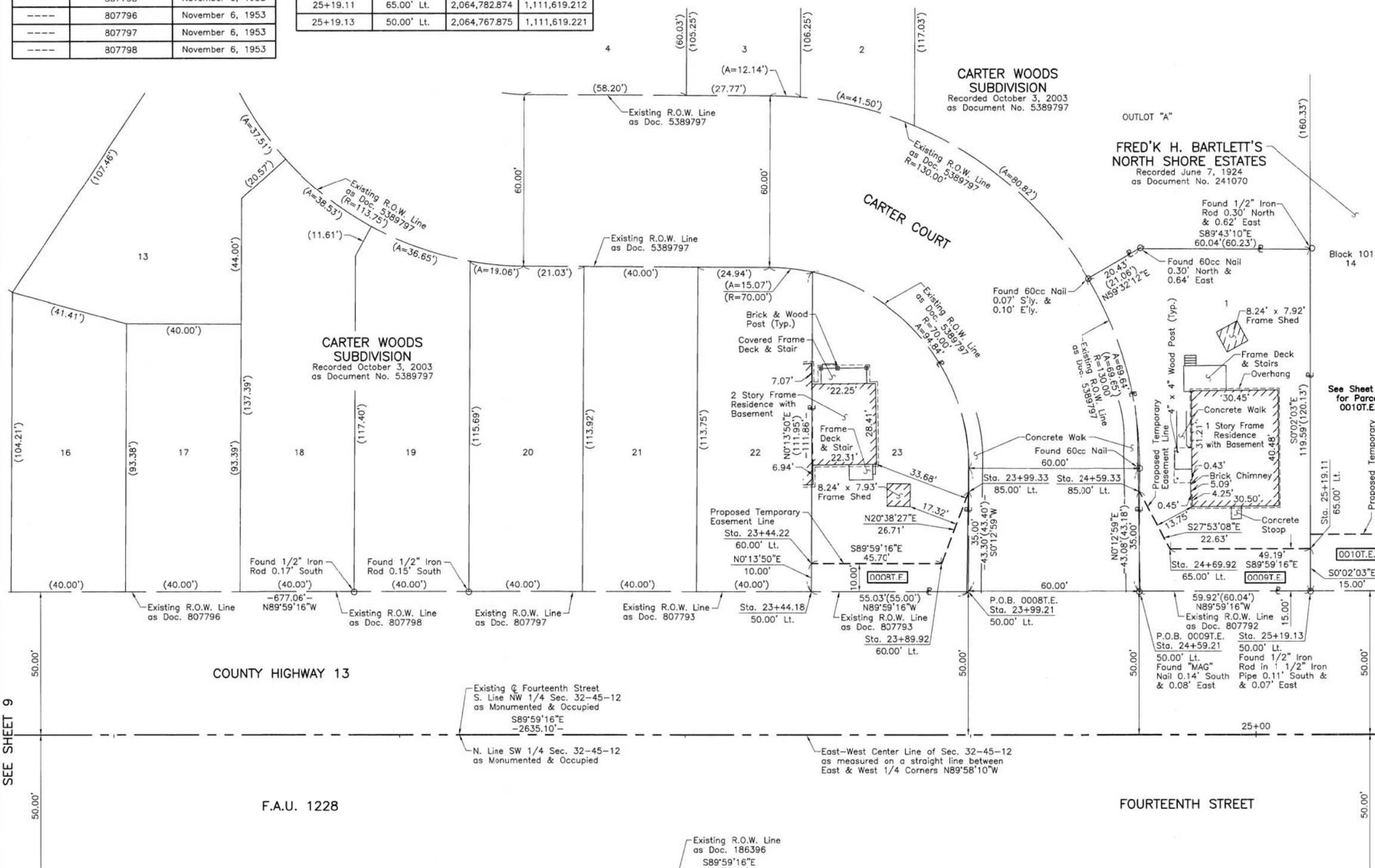
SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE

APL
APPARENT PROPERTY LINE
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MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DIMENSION

EXISTING BUILDING

Scale: 1"=20'

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.



- 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.
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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 }
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 32, TOWNSHIP 45N., RANGE 12E., 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 LAKE COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 2nd DAY OF February 20 18 A.D.



Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
All dimensions are measured unless otherwise specified.
Areas shown on this plat are ground.
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To obtain ground distances, divide grid distances shown by the combined factor of 0.9999668605.

PROJECT COORDINATES Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
23+44.18	50.00' Lt.	2,064,767.912	1,111,444.274
23+44.22	60.00' Lt.	2,064,777.912	1,111,444.315
23+89.92	60.00' Lt.	2,064,777.902	1,111,490.018

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

**PLAT OF HIGHWAYS
LAKE COUNTY
DIVISION OF TRANSPORTATION
F.A.U. 1228 (FOURTEENTH STREET)**
LIMITS: GREEN BAY ROAD TO JACKSON STREET
LAKE COUNTY
SECTION: 99-00260-01-WR JOB NO. R-91-013-17
STATION 20+00 TO STATION 26+00
SCALE: 1"=20' SHEET 10 OF 23

LAKE COUNTY DIVISION OF TRANSPORTATION
600 WEST WINCHESTER ROAD
LIBERTYVILLE, ILLINOIS 60048

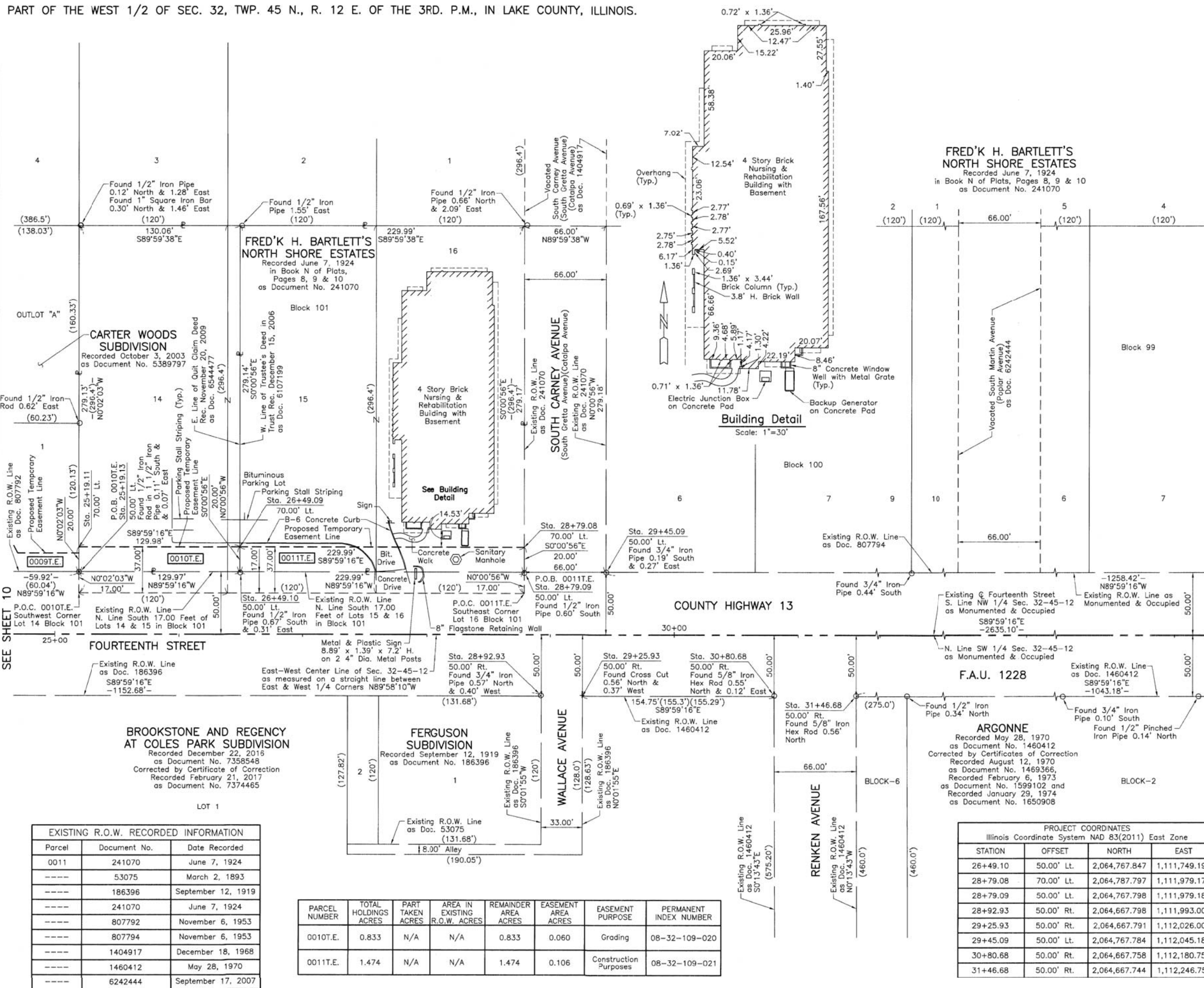
SEE SHEET 9

SEE SHEET 11

**BROOKSTONE AND REGENCY
AT COLES PARK SUBDIVISION**
Recorded December 22, 2016
as Document No. 7358548
Corrected by Certificate of Correction
Recorded February 21, 2017
as Document No. 7374465

REVISION DATE March 5, 2018 REVISION Eliminated County Engineer Certificate

MADE BY



LEGEND

SECTION CORNER: 9 10 15 16

QUARTER SECTION CORNER: 16 15

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

APL APPARENT PROPERTY LINE
 EXISTING CENTER LINE
 PROPOSED CENTER LINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
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 PROPOSED EASEMENT
 EXISTING ACCESS CONTROL LINE
 PROPOSED ACCESS CONTROL LINE
 MEASURED DIMENSION
 COMPUTED DIMENSION
 RECORD DIMENSION

EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

SCALE: 1"=40'

- 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 IN SECTION 32, TOWNSHIP 45N., RANGE 12E., 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 LAKE COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 20th DAY OF February 2018 A.D.



CHRISTIAN H. JORGENSEN, PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE NOVEMBER 30, 2018
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
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PROJECT COORDINATES Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
25+19.11	70.00' Lt.	2,064,787.874	1,111,619.209
25+19.13	50.00' Lt.	2,064,767.875	1,111,619.221
26+49.09	70.00' Lt.	2,064,787.846	1,111,749.185

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

PLAT OF HIGHWAYS
LAKE COUNTY
DIVISION OF TRANSPORTATION
 F.A.U. 1228 (FOURTEENTH STREET)
 LIMITS: GREEN BAY ROAD TO JACKSON STREET
 LAKE COUNTY
 SECTION: 99-00260-01-WR JOB NO. R-91-013-17
 STATION 25+00 TO STATION 38+00
 SCALE: 1"=40' SHEET 11 OF 23

LAKE COUNTY DIVISION OF TRANSPORTATION
 600 WEST WINCHESTER ROAD
 LIBERTYVILLE, ILLINOIS 60048

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
0011	241070	June 7, 1924
----	53075	March 2, 1893
----	186396	September 12, 1919
----	241070	June 7, 1924
----	807792	November 6, 1953
----	807794	November 6, 1953
----	1404917	December 18, 1968
----	1460412	May 28, 1970
----	6242444	September 17, 2007

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
0010T.E.	0.833	N/A	N/A	0.833	0.060	Grading	08-32-109-020
0011T.E.	1.474	N/A	N/A	1.474	0.106	Construction Purposes	08-32-109-021

PROJECT COORDINATES Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
26+49.10	50.00' Lt.	2,064,767.847	1,111,749.190
28+79.08	70.00' Lt.	2,064,787.797	1,111,979.177
28+79.09	50.00' Lt.	2,064,767.798	1,111,979.182
28+92.93	50.00' Rt.	2,064,667.798	1,111,993.003
29+25.93	50.00' Rt.	2,064,667.791	1,112,026.002
29+45.09	50.00' Lt.	2,064,767.784	1,112,045.180
30+80.68	50.00' Rt.	2,064,667.758	1,112,180.752
31+46.68	50.00' Rt.	2,064,667.744	1,112,246.751

REVISION DATE March 5, 2018

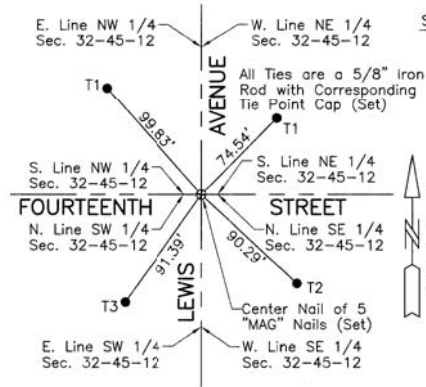
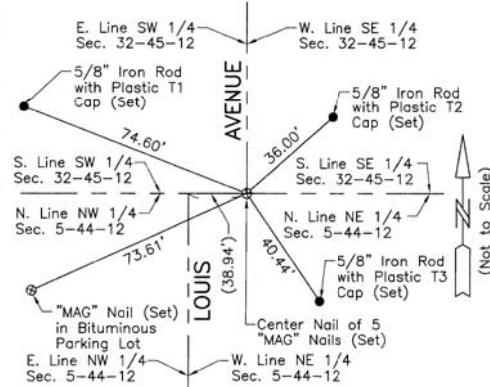
REVISION Eliminated County Engineer Certificate

MADE BY

PART OF THE EAST 1/2 AND PART OF THE WEST 1/2 OF SEC. 32, TWP. 45 N., R. 12 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

PROJECT COORDINATES Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
41+83.86	50.00' Lt.	2,064,767.520	1,113,283.957
41+89.86	50.00' Rt.	2,064,667.522	1,113,289.935
42+03.51	50.00' Lt.	2,064,767.516	1,113,303.606
42+83.47	47.97' Rt.	2,064,669.510	1,113,383.516
42+83.48	52.03' Lt.	2,064,769.506	1,113,383.604
93+72.00	40.00' Lt.	2,064,645.564	1,113,303.487
95+25.00	45.00' Lt.	2,064,798.528	1,113,298.621
95+48.42	45.00' Lt.	2,064,821.952	1,113,298.632
96+89.99	40.00' Lt.	2,064,963.520	1,113,303.701
96+89.99	45.00' Lt.	2,064,963.522	1,113,298.701

Schedule of Ties		
Point Number	Tie to point	Tie Distance (feet)
1	T1	25.65
	T2	14.69
	T3	17.75
2	T1	21.96
	T2	15.13
	T3	17.04
3	T1	9.75
	T2	5.62
	T3	12.06
4	T1	13.02
	T2	10.62
	T3	14.69

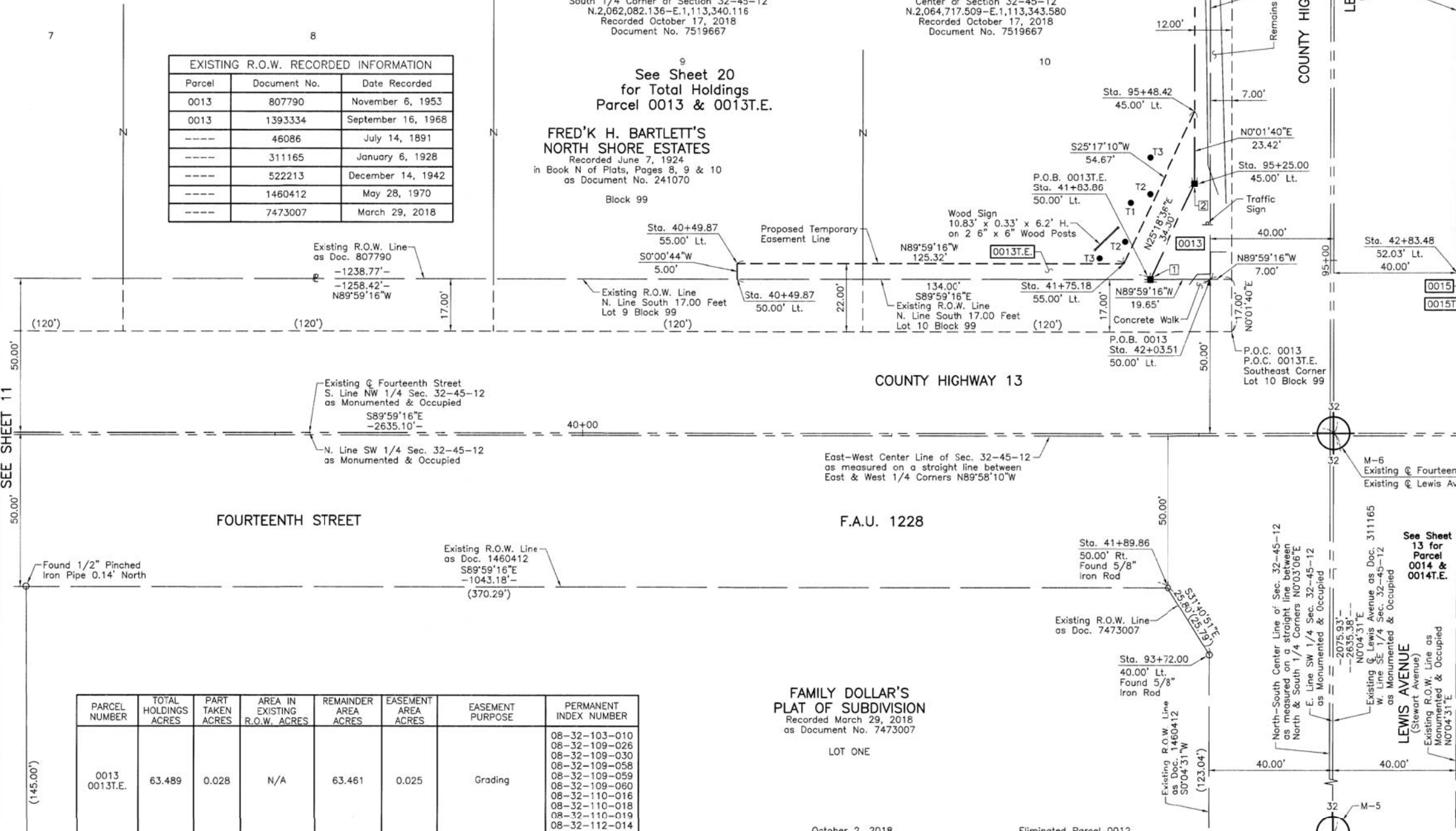


EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
0013	807790	November 6, 1953
0013	1393334	September 16, 1968
----	46086	July 14, 1891
----	311165	January 6, 1928
----	522213	December 14, 1942
----	1460412	May 28, 1970
----	7473007	March 29, 2018

M-5 "Monument Record"
 South 1/4 Corner of Section 32-45-12
 N. 2,062,082.136 - E. 1,113,340.116
 Recorded October 17, 2018
 Document No. 7519667

M-6 "Monument Record"
 Center of Section 32-45-12
 N. 2,064,717.509 - E. 1,113,343.580
 Recorded October 17, 2018
 Document No. 7519667

See Sheet 20 for Total Holdings Parcel 0013 & 0013T.E.
FRED'K H. BARTLETT'S NORTH SHORE ESTATES
 Recorded June 7, 1924
 in Book N of Plats, Pages 8, 9 & 10 as Document No. 241070
 Block 99



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

APPARENT PROPERTY LINE
 EXISTING CENTER LINE
 PROPOSED CENTER LINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 EXISTING EASEMENT
 PROPOSED EASEMENT
 EXISTING ACCESS CONTROL LINE
 PROPOSED ACCESS CONTROL LINE
 MEASURED DIMENSION
 COMPUTED DIMENSION
 RECORD DIMENSION

EXISTING BUILDING

SCALE: 1"=20'

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

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 THE 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 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 IN SECTION 32, TOWNSHIP 45N., RANGE 12E., 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 LAKE COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS.
 DATED AT LAKE VILLA, ILLINOIS THIS 17th DAY OF October 20 18 A.D.

LYON ACRES SUBDIVISION
 Recorded December 21, 1923
 as Document No. 2338881

WASHBURN PARK BLOCKS 36 TO 53 INCLUSIVE
 Recorded July 14, 1991
 as Document No. 46086

SEE SHEET 13



PROJECT COORDINATES Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
40+49.87	50.00' Lt.	2,064,767.548	1,113,149.961
40+49.87	55.00' Lt.	2,064,772.548	1,113,149.962
41+75.18	55.00' Lt.	2,064,772.522	1,113,275.281

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

**PLAT OF HIGHWAYS
 LAKE COUNTY
 DIVISION OF TRANSPORTATION**
 F.A.U. 1228 (FOURTEENTH STREET)
 LIMITS: GREEN BAY ROAD TO JACKSON STREET
 LAKE COUNTY
 SECTION: 99-00260-01-WR JOB NO. R-91-013-17
 STATION 38+00 TO STATION 43+00
 STATION 93+00 TO STATION 97+00
 SCALE: 1"=20' SHEET 12 OF 23

LAKE COUNTY DIVISION OF TRANSPORTATION
 600 WEST WINCHESTER ROAD
 LIBERTYVILLE, ILLINOIS 60048

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
0013 0013T.E.	63.489	0.028	N/A	63.461	0.025	Grading	08-32-103-010 08-32-109-026 08-32-109-030 08-32-109-058 08-32-109-059 08-32-109-060 08-32-110-016 08-32-110-018 08-32-110-019 08-32-112-014

FAMILY DOLLAR'S PLAT OF SUBDIVISION
 Recorded March 29, 2018
 as Document No. 7473007
 LOT ONE

REVISION DATE October 2, 2018
 February 19, 2018
 REVISION Eliminated Parcel 0012
 Eliminated County Engineer Certificate

MADE BY

FRED'K H. BARTLETT'S NORTH SHORE ESTATES
Recorded June 7, 1924
as Document No. 241070

Block 99
10

See Sheet 12 for Parcel 0013 & 0013T.E.

Proposed R.O.W. Line

Proposed Temporary Easement Line

Existing R.O.W. Line

Existing & Fourteenth Street S. Line NW 1/4 Sec. 32-45-12 as Monumented & Occupied

N. Line SW 1/4 Sec. 32-45-12 as Monumented & Occupied

Existing R.O.W. Line as Doc. 1460412

Existing R.O.W. Line as Doc. 7473007

Existing R.O.W. Line as Doc. 1460412

Existing R.O.W. Line as Doc. 7473007

Existing R.O.W. Line as Doc. 1460412

Existing R.O.W. Line as Doc. 7473007

Existing R.O.W. Line as Doc. 1460412

Existing R.O.W. Line as Doc. 7473007

Existing R.O.W. Line as Doc. 1460412

Existing R.O.W. Line as Doc. 7473007

Existing R.O.W. Line as Doc. 1460412

Existing R.O.W. Line as Doc. 7473007

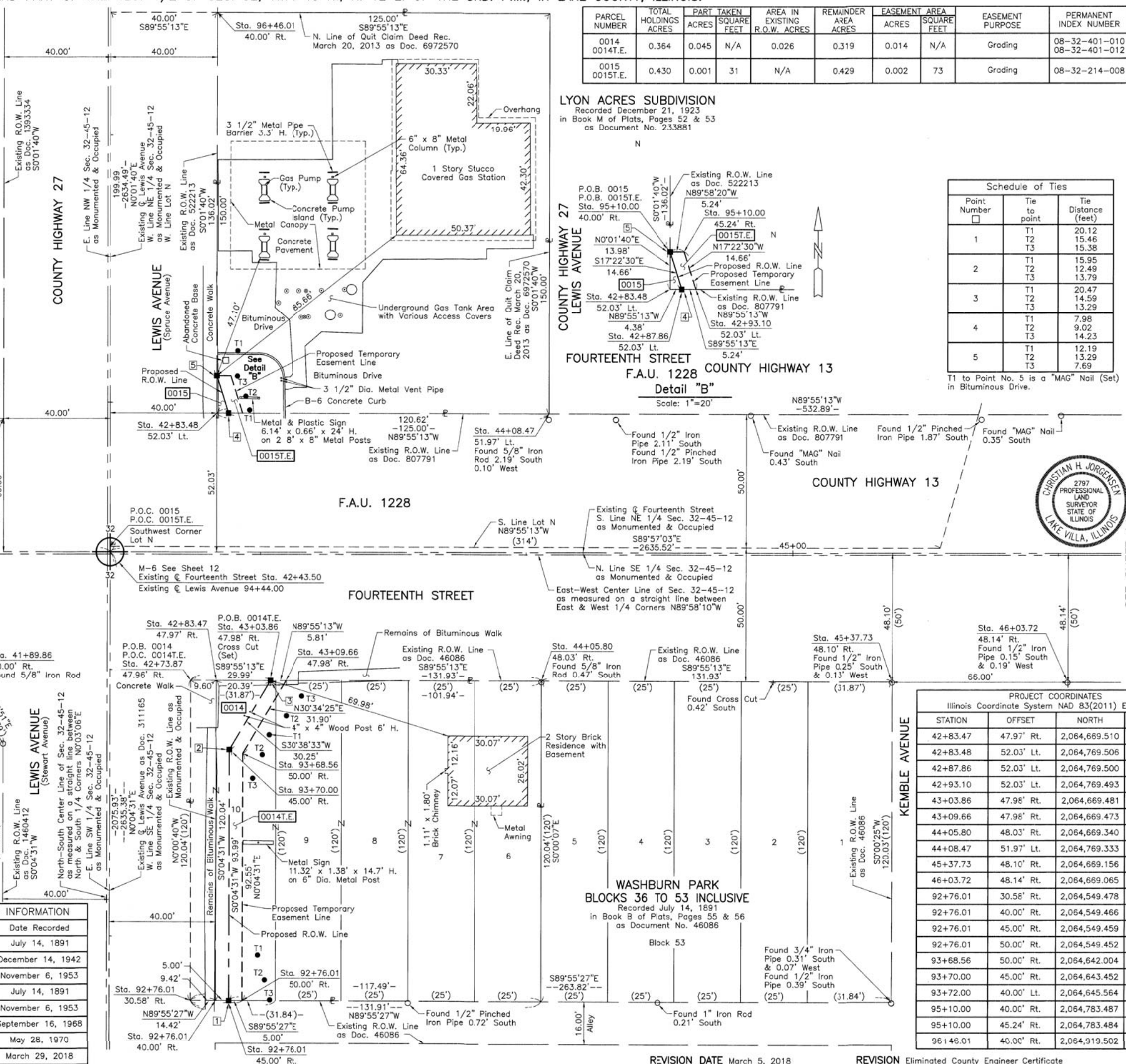
Existing R.O.W. Line as Doc. 1460412

Existing R.O.W. Line as Doc. 7473007

Existing R.O.W. Line as Doc. 1460412

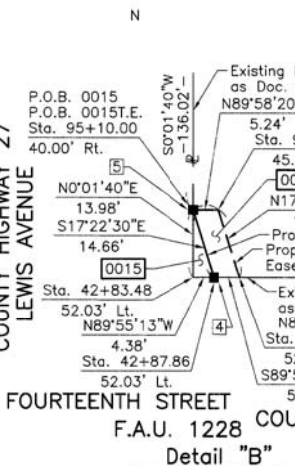
Existing R.O.W. Line as Doc. 7473007

Parcel	Document No.	Date Recorded
0014	46086	July 14, 1891
0015	522213	December 14, 1942
0015	807791	November 6, 1953
----	46086	July 14, 1891
----	807791	November 6, 1953
----	1393334	September 16, 1968
----	1460412	May 28, 1970
----	7473007	March 29, 2018



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN		AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		EASEMENT PURPOSE	PERMANENT INDEX NUMBER
		ACRES	SQUARE FEET			ACRES	SQUARE FEET		
0014 0014T.E.	0.364	0.045	N/A	0.026	0.319	0.014	N/A	Grading	08-32-401-010 08-32-401-012
0015 0015T.E.	0.430	0.001	31	N/A	0.429	0.002	73	Grading	08-32-214-008

LYON ACRES SUBDIVISION
Recorded December 21, 1923
in Book M of Plats, Pages 52 & 53
as Document No. 233881



Point Number	Tie to point	Tie Distance (feet)
1	T1	20.12
	T2	15.46
	T3	15.38
2	T1	15.95
	T2	12.49
	T3	13.79
3	T1	20.47
	T2	14.59
	T3	13.29
4	T1	7.98
	T2	9.02
	T3	14.23
5	T1	12.19
	T2	13.29
	T3	7.69

T1 to Point No. 5 is a "MAG" Nail (Set) in Bituminous Drive.

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
- EXISTING CENTER LINE
- PROPOSED CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DIMENSION
- EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

Scale: 1"=20'

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 32, TOWNSHIP 45N., RANGE 12E., 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 LAKE COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 2nd DAY OF April 2018 A.D.

Christian H. Jorgensen PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
All dimensions are measured unless otherwise specified.
Areas shown on this plat are ground.
All measured and computed distances are grid not ground.
To obtain ground distances, divide grid distances shown by the combined factor of 0.999968605.

STATION	OFFSET	NORTH	EAST
42+83.47	47.97' Rt.	2,064,669.510	1,113,383.516
42+83.48	52.03' Lt.	2,064,769.506	1,113,383.604
42+87.86	52.03' Lt.	2,064,769.500	1,113,387.987
42+93.10	52.03' Lt.	2,064,769.493	1,113,393.228
43+03.86	47.98' Rt.	2,064,669.481	1,113,403.901
43+09.66	47.98' Rt.	2,064,669.473	1,113,409.707
44+05.80	48.03' Rt.	2,064,669.340	1,113,505.840
44+08.47	51.97' Lt.	2,064,769.333	1,113,508.600
45+37.73	48.10' Rt.	2,064,669.156	1,113,637.769
46+03.72	48.14' Rt.	2,064,669.065	1,113,703.767
92+76.01	30.58' Rt.	2,064,549.478	1,113,373.935
92+76.01	40.00' Rt.	2,064,549.466	1,113,383.358
92+76.01	45.00' Rt.	2,064,549.459	1,113,388.358
92+76.01	50.00' Rt.	2,064,549.452	1,113,393.358
93+68.56	50.00' Rt.	2,064,642.004	1,113,393.479
93+70.00	45.00' Rt.	2,064,643.452	1,113,388.481
93+72.00	40.00' Lt.	2,064,645.564	1,113,303.487
95+10.00	40.00' Rt.	2,064,783.487	1,113,383.611
95+10.00	45.24' Rt.	2,064,783.484	1,113,388.850
96+46.01	40.00' Rt.	2,064,919.502	1,113,383.676

STATION	OFFSET	NORTH	EAST
41+89.86	50.00' Rt.	2,064,667.522	1,113,289.935
42+03.51	50.00' Lt.	2,064,767.516	1,113,303.606
42+73.87	47.96' Rt.	2,064,669.523	1,113,373.912

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

PLAT OF HIGHWAYS
LAKE COUNTY
DIVISION OF TRANSPORTATION
F.A.U. 1228 (FOURTEENTH STREET)
LIMITS: GREEN BAY ROAD TO JACKSON STREET
LAKE COUNTY
SECTION: 99-00260-01-WR JOB NO. R-91-013-17
STATION 41+00 TO STATION 47+00
STATION 92+00 TO STATION 97+00
SCALE: 1"=20' SHEET 13 OF 23

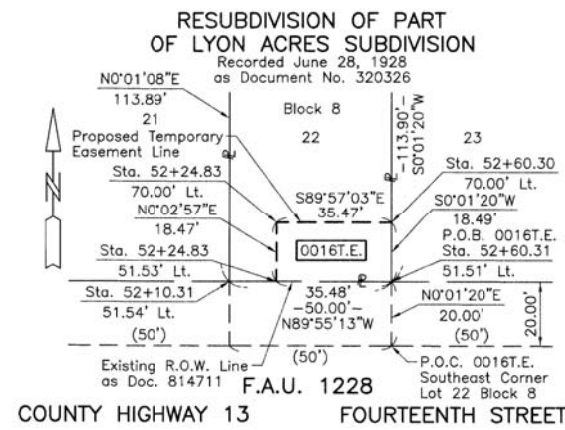
LAKE COUNTY DIVISION OF TRANSPORTATION
600 WEST WINCHESTER ROAD
LIBERTYVILLE, ILLINOIS 60048

PART OF THE EAST 1/2 OF SEC. 32, TWP. 45 N., R. 12 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

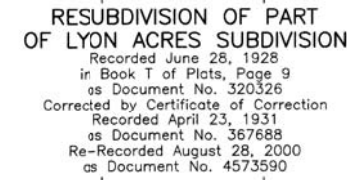
PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
0016T.E.	0.131	N/A	N/A	0.131	0.015	Construction Purposes	08-32-223-023

PROJECT COORDINATES Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
46+67.50	46.20' Rt.	2,064,668.090	1,113,967.024
48+95.89	51.71' Lt.	2,064,768.655	1,113,996.023
49+33.58	48.31' Rt.	2,064,668.606	1,114,033.622
51+97.44	48.45' Rt.	2,064,668.239	1,114,297.480
52+10.31	51.54' Lt.	2,064,768.218	1,114,310.436
52+24.83	51.53' Lt.	2,064,768.198	1,114,324.955
52+24.83	70.00' Lt.	2,064,786.665	1,114,324.971
52+60.30	70.00' Lt.	2,064,786.635	1,114,360.441
52+60.31	51.51' Lt.	2,064,768.149	1,114,360.434
52+63.44	48.49' Rt.	2,064,668.148	1,114,363.478

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
0016	814711	January 28, 1954
----	46086	July 14, 1891
----	320326	June 28, 1928
----	807791	November 6, 1953
----	814478	January 26, 1954
----	814479	January 26, 1954
----	814480	January 26, 1954
----	814481	January 26, 1954
----	814482	January 26, 1954
----	814712	January 28, 1954
----	817801	March 8, 1954
----	817802	March 8, 1954
----	2226572	July 22, 1983



Detail "C"
Scale: 1"=30'



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
EXISTING CENTER LINE
PROPOSED CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DIMENSION

EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

SCALE: 1"=30'

0 30' 60'

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 TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
T2
T3

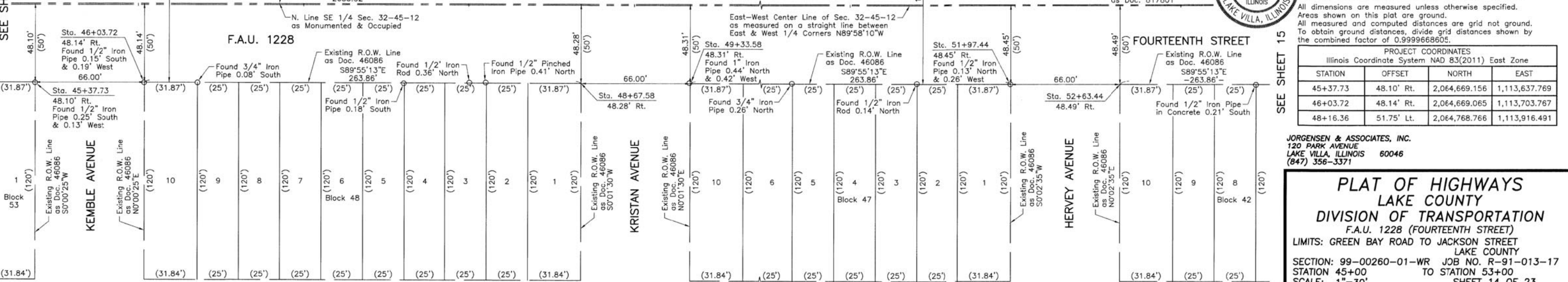
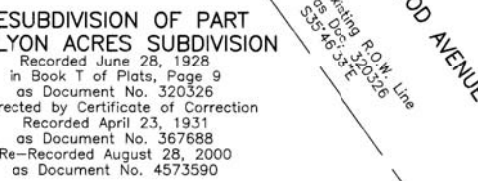
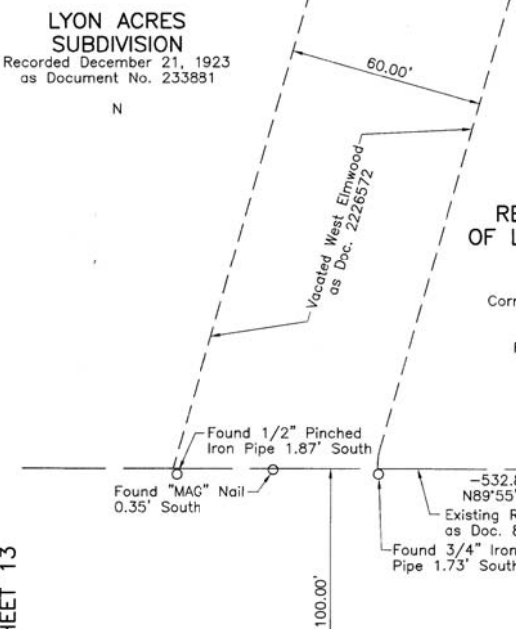
BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
BT2
BT3

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 32, TOWNSHIP 45N., RANGE 12E., 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 LAKE COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 2nd DAY OF February 2018 A.D.

Christian H. Jorgensen PRESIDENT
2797 PROFESSIONAL LAND SURVEYOR NO. 35-2797
STATE OF ILLINOIS LICENSE EXPIRATION DATE: NOVEMBER 30, 2018
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
All dimensions are measured unless otherwise specified.
Areas shown on this plat are ground.
All measured and computed distances are grid not ground.
To obtain ground distances, divide grid distances shown by the combined factor of 0.9999668605.

PROJECT COORDINATES Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
45+37.73	48.10' Rt.	2,064,669.156	1,113,637.769
46+03.72	48.14' Rt.	2,064,669.065	1,113,703.767
48+16.36	51.75' Lt.	2,064,768.766	1,113,916.491

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60048
(847) 356-3371

**PLAT OF HIGHWAYS
LAKE COUNTY
DIVISION OF TRANSPORTATION**
F.A.U. 1228 (FOURTEENTH STREET)
LIMITS: GREEN BAY ROAD TO JACKSON STREET
LAKE COUNTY
SECTION: 99-00260-01-WR JOB NO. R-91-013-17
STATION 45+00 TO STATION 53+00
SCALE: 1"=30' SHEET 14 OF 23

LAKE COUNTY DIVISION OF TRANSPORTATION
600 WEST WINCHESTER ROAD
LIBERTYVILLE, ILLINOIS 60048

Parcel	Document No.	Date Recorded
0017	320326	June 28, 1928
0017	807801	November 6, 1953
----	46086	July 14, 1891
----	47005	October 2, 1891
----	100964	July 11, 1905
----	320326	June 28, 1928
----	807800	November 6, 1953
----	811088	December 14, 1953
----	811089	December 14, 1953
----	817801	March 8, 1954
----	826106	June 8, 1954
----	826107	June 8, 1954

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER
0017T.E.	0.724	N/A	N/A	0.724	0.009	412	Construction Purposes	08-32-200-009

LEGEND

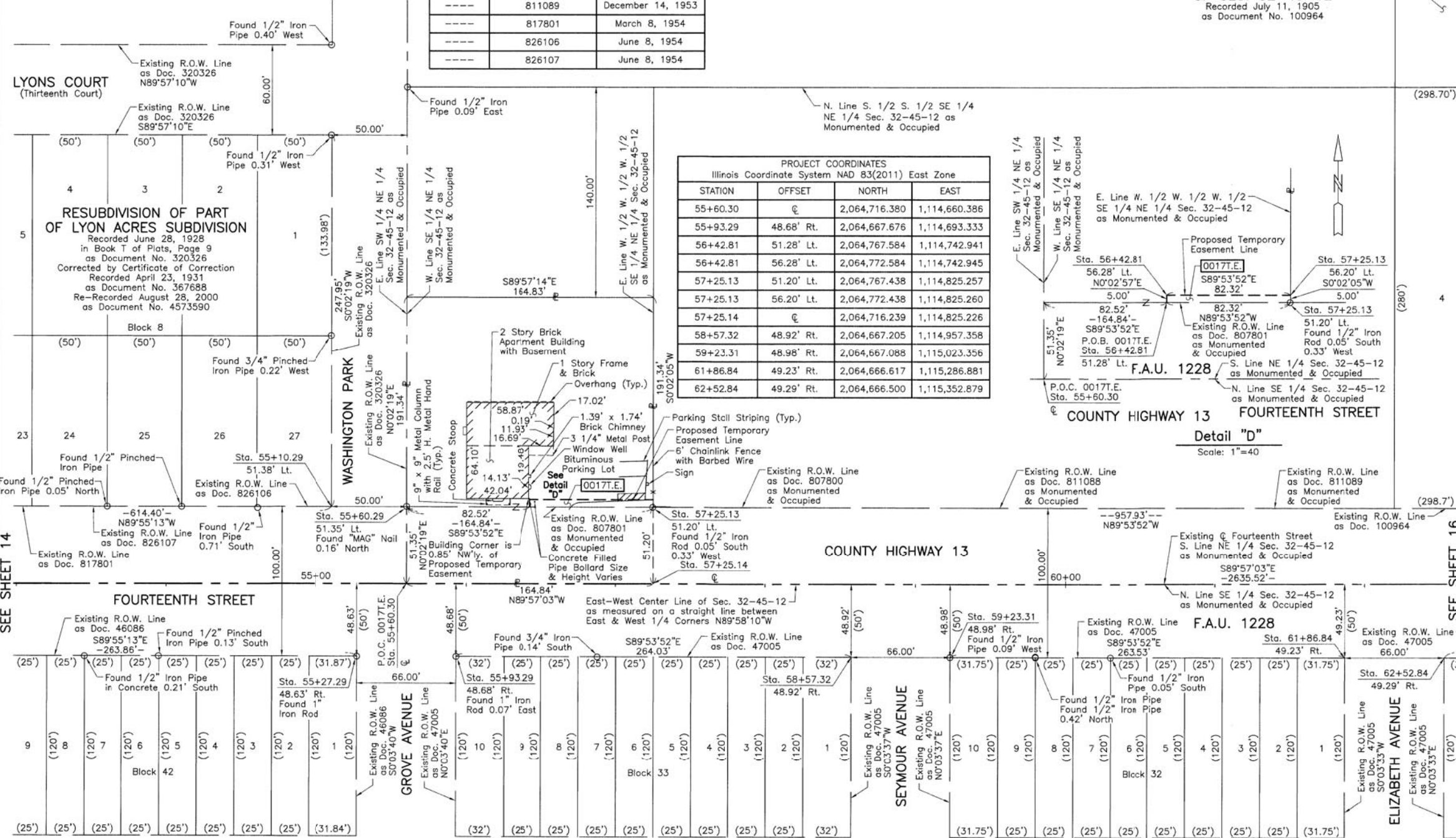
SECTION CORNER 9 10 16 15
QUARTER SECTION CORNER 16 15

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

APL APPARENT PROPERTY LINE
EXISTING CENTER LINE
PROPOSED CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DIMENSION

EXISTING BUILDING

Scale: 1"=40'
Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.



- 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 IN SECTION 32, TOWNSHIP 45N., RANGE 12E., 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 LAKE COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 2nd DAY OF February 2018 A.D.

CHRISTIAN H. JORGENSEN
PRESIDENT
2737 PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE NOVEMBER 30, 2018
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
All dimensions are measured unless otherwise specified.
Areas shown on this plot are ground.
All measured and computed distances are grid not ground.
To obtain ground distances, divide grid distances shown by the combined factor of 0.9999668605.

STATION	OFFSET	NORTH	EAST
55+10.29	51.38' Lt.	2,064,767.801	1,114,610.422
55+27.29	48.63' Rt.	2,064,667.781	1,114,627.335
55+60.29	51.35' Lt.	2,064,767.732	1,114,660.421

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

PLAT OF HIGHWAYS
LAKE COUNTY
DIVISION OF TRANSPORTATION
F.A.U. 1228 (FOURTEENTH STREET)
LIMITS: GREEN BAY ROAD TO JACKSON STREET
LAKE COUNTY
SECTION: 99-00260-01-WR JOB NO. R-91-013-17
STATION 53+00 TO STATION 63+00
SCALE: 1"=40' SHEET 15 OF 23

LAKE COUNTY DIVISION OF TRANSPORTATION
600 WEST WINCHESTER ROAD
LIBERTYVILLE, ILLINOIS 60048

WASHBURN PARK
BLOCKS 36 TO 53 INCLUSIVE
Recorded July 14, 1891
as Document No. 46086

WASHBURN PARK
BLOCKS 24 TO 35 BOTH INCLUSIVE
Recorded October 2, 1891
as Document No. 47005

PART OF THE EAST 1/2 OF SEC. 32, TWP. 45 N., R. 12 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		EASEMENT PURPOSE	PERMANENT INDEX NUMBER
					ACRES	SQUARE FEET		
0018T.E.	0.117	N/A	N/A	0.117	0.007	318	Construction Purposes	08-32-225-009

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
0018	100964	July 11, 1905
----	47005	October 2, 1891
----	100964	July 11, 1905

PROJECT COORDINATES Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
65+18.23	50.46' Lt.	2,064,766.023	1,115,618.354
65+82.16	49.59' Rt.	2,064,665.912	1,115,682.202
65+84.22	50.40' Lt.	2,064,765.905	1,115,684.351
65+84.22	55.40' Lt.	2,064,770.905	1,115,684.357
66+15.84	52.97' Lt.	2,064,768.443	1,115,715.972
66+15.94	55.37' Lt.	2,064,770.848	1,115,716.072
66+24.68	52.57' Lt.	2,064,768.042	1,115,724.812
66+24.80	55.36' Lt.	2,064,770.833	1,115,724.928
66+52.40	50.34' Lt.	2,064,765.784	1,115,752.529
66+52.53	55.34' Lt.	2,064,770.783	1,115,752.662
68+45.99	49.84' Rt.	2,064,665.442	1,115,946.027
68+45.99	50.16' Lt.	2,064,765.438	1,115,946.113
68+79.02	℄	2,064,715.250	1,115,979.103

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
EXISTING CENTER LINE
PROPOSED CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DIMENSION

EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois Coordinate System NAD 83(2011) East Zone.

SCALE: 1"=30'

0 30' 60'

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
T3
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.
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.

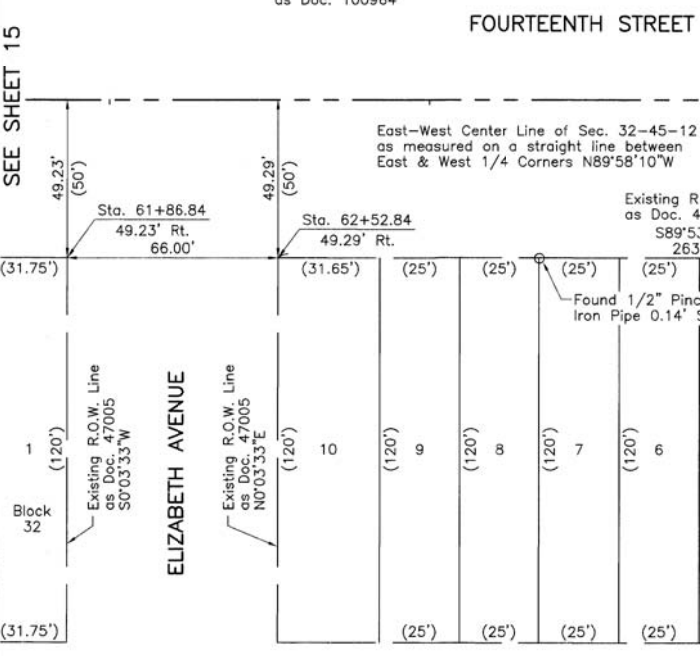
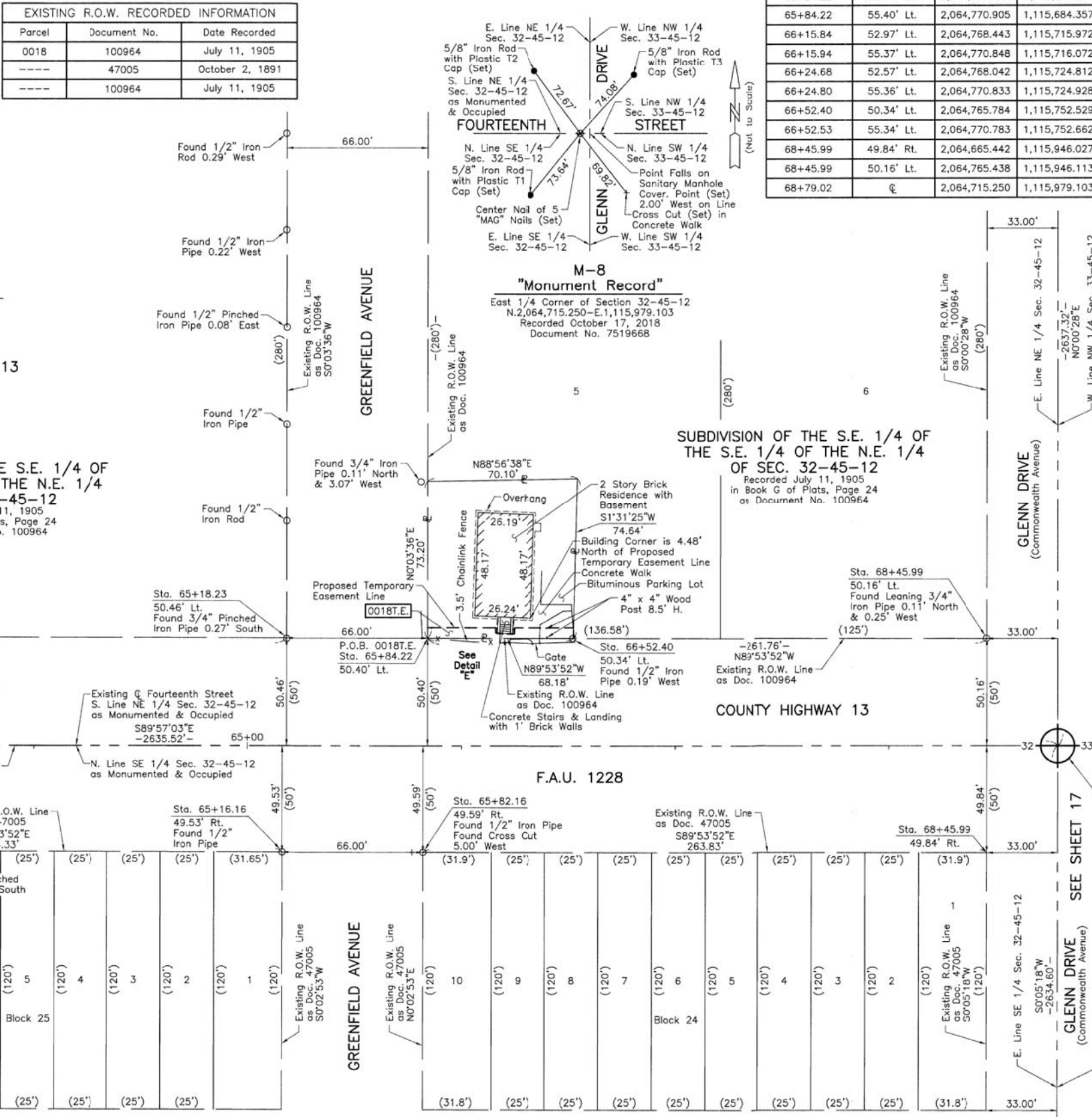
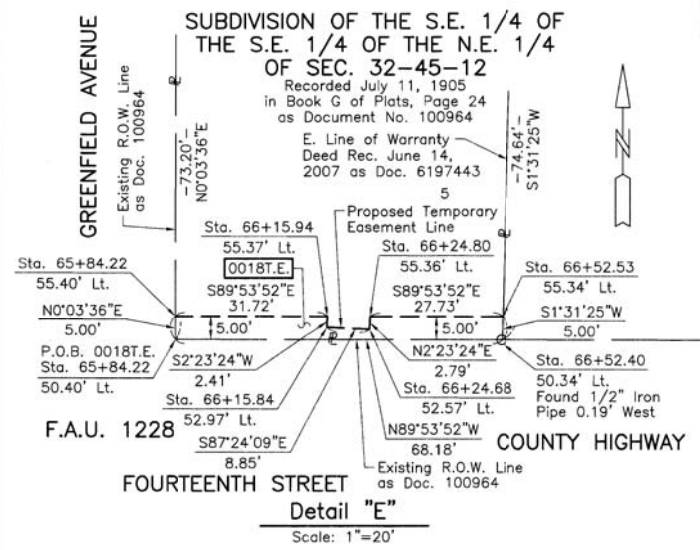
STATE OF ILLINOIS }
COUNTY OF LAKE }SS

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 32, TOWNSHIP 45N., RANGE 12E., 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 LAKE COUNTY DIVISION OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 17th DAY OF October 2018 A.D.

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, 2018
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
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PROJECT COORDINATES Illinois Coordinate System NAD 83(2011) East Zone			
STATION	OFFSET	NORTH	EAST
61+86.84	49.23' Rt.	2,064,666.617	1,115,286.881
62+52.84	49.29' Rt.	2,064,666.500	1,115,352.879
62+16.16	49.53' Rt.	2,064,666.030	1,115,616.204

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
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**PLAT OF HIGHWAYS
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