

SITE IMPROVEMENTS FOR LAKEWOOD FOREST PRESERVE

PROJECT No.: 61020-181-957 LAKE COUNTY, ILLINOIS

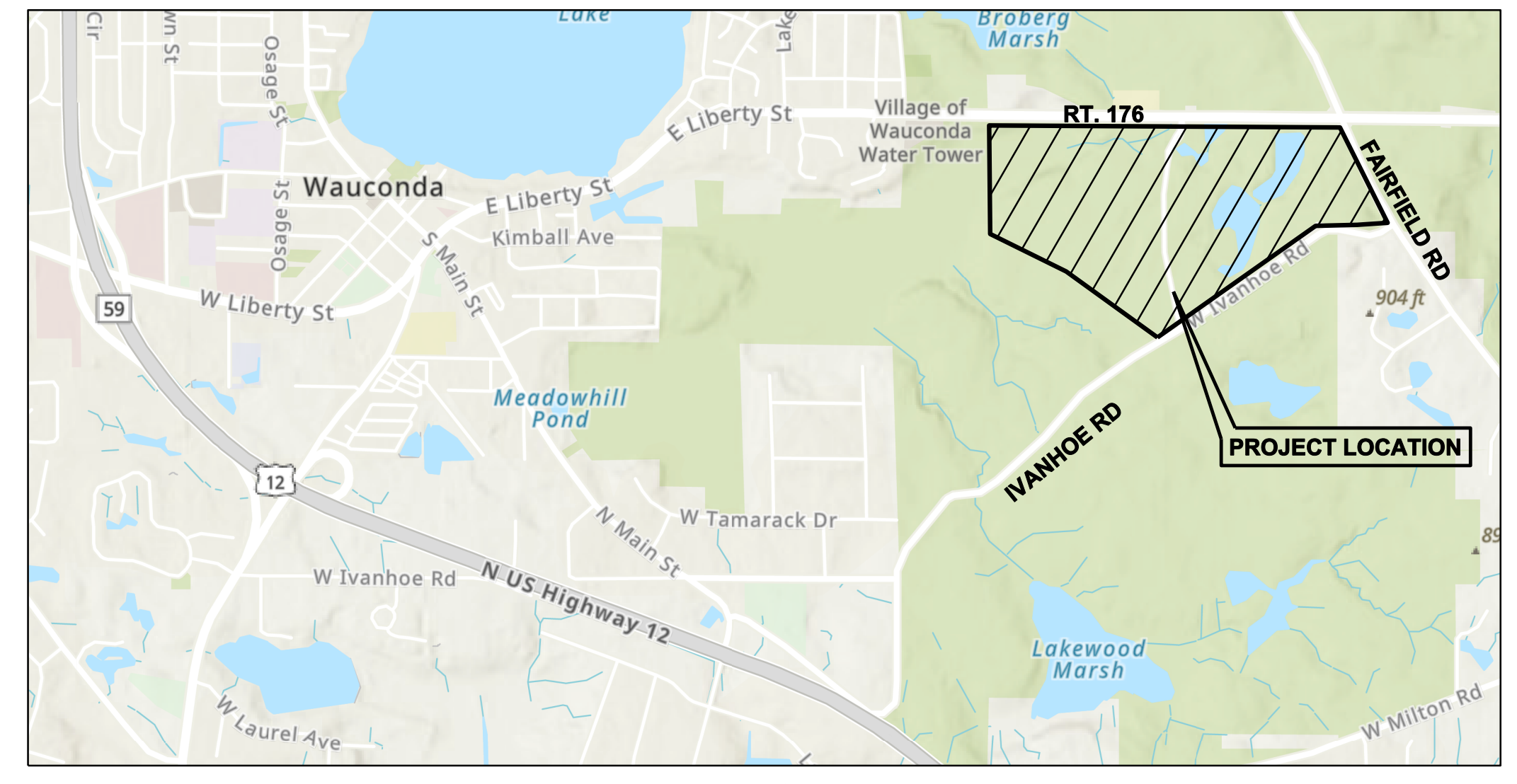
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LOCATION MAP NORTH

NOTE:
THIS PLAN SET SHALL BE PRINTED AT 24"x36" FORMAT, 11"x17" IS FOR REFERENCE

CONTACT INFORMATION:

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1899 W. WINCHESTER ROAD LIBERTYVILLE, IL. 60048-1199, (847) 367-6640

CONSULTING ENGINEER:

PEARSON, BROWN & ASSOCIATES, INC.

A PROFESSIONAL DESIGN FIRM - ILLINOIS PROFESSIONAL ENGINEERING CORPORATION - LICENSE NUMBER 184-001058 EXPIRES 04/30/25
1850 W. WINCHESTER ROAD - SUITE 205 LIBERTYVILLE, IL. 60048 (847) 367-6707

CONTACT JULIE AT 8-1-1 OR 800-892-0123
With the following:
County _____ Lake _____
City/Township _____ Incorporated/Fremont 44N R10E _____
Sec 1/4 Sec No. _____ Sec 30, SE 1/4 _____
Call 2 working days BEFORE YOU DIG.

PERMIT	NUMBER	DATE ISSUED
IEPA - NOI	ILR10ZCRK	09/29/23
LCSMC	WDP-23-601	09/05/23

NO.	DATE	REVISIONS
1	05/29/23	PER LCSMC REVIEW COMMENTS
2	10/05/23	FOR CONSTRUCTION
3		
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FOR CONSTRUCTION

ORIGINAL ISSUE DATE: 02/24/23

SHEET NUMBER

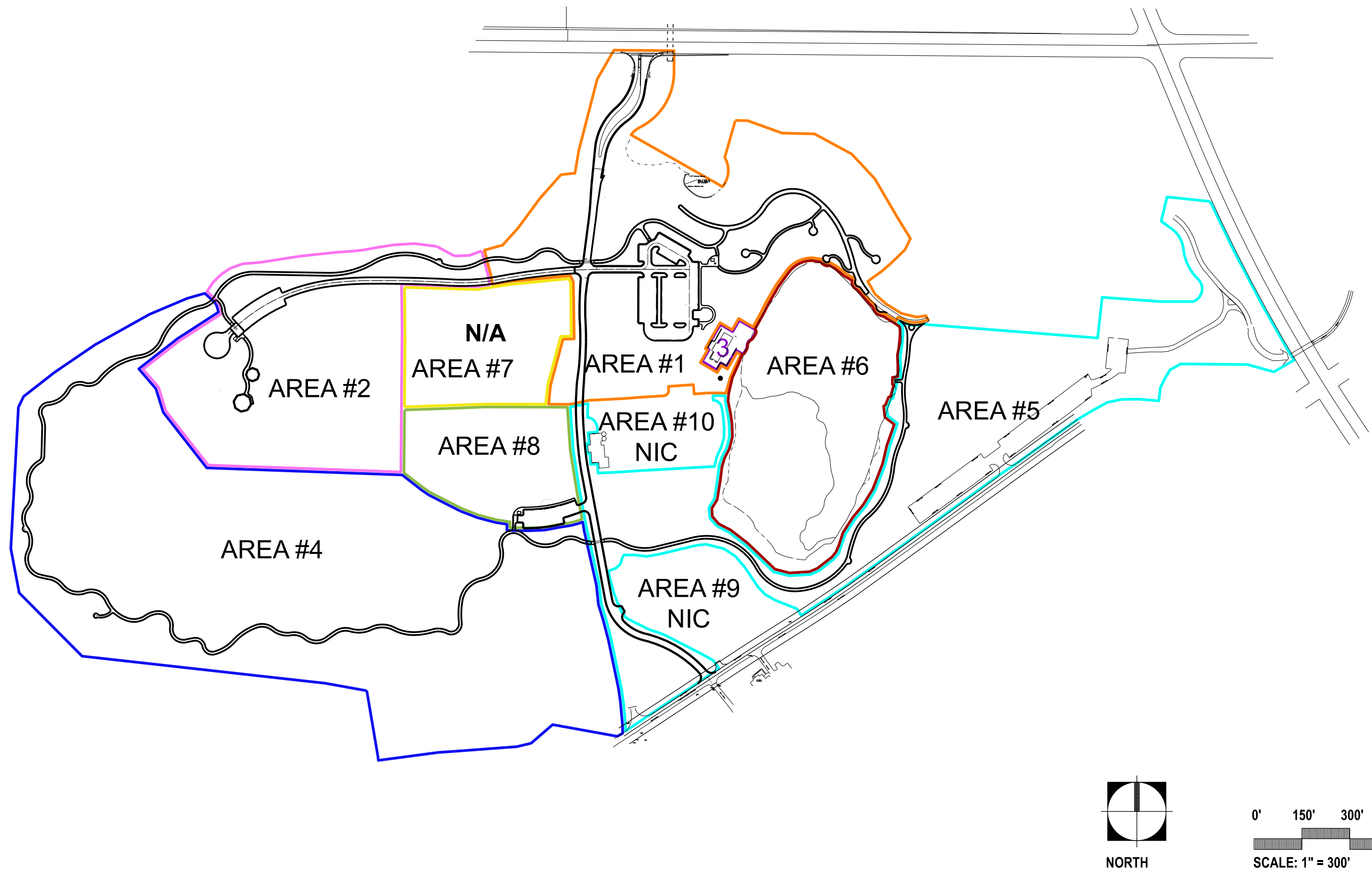
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OF 56 SHEETS

ENGINEER'S SEAL & SIGNATURE

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LAKEWOOD FOREST PRESERVE



AREA BOUNDARY NOTES

- Area 1 - SITE BASE BID: Main Drive (north half), Day Use area and Parking**
- Route 176 entry drive modifications (Sta 19+80 to 24+30), See Civil Sheets 4 and 11 for stationing
 - Main Drive - north half (Sta 12+00 to 19+80 & E-W Sta 13+00 to 19+50)
 - Main utilities: Electric - including to Taylor Lake Shelter; Septic
 - Millennium Trail re-route by Day Use area
 - Day Use area with overlooks along Millennium Trail - excludes all other Taylor Lake shoreline work (Area 6)
 - Parking lot for Day Use / Taylor Lake Shelter area - includes evaporator restroom
 - Internal trail - portion from Millennium Trail through main road intersection (N Sta 23+00 to 32+15)
 - Concrete flatwork at parking lot

- Excludes Taylor Lake Shelter associated patios (Architectural bid package - not in contract (NIC))
- Area 2 SITE BASE BID: Internal Drive to West Shelter, West Shelter, Internal trail to West Shelter**
- Roadway to West Shelter - includes West Shelter parking lot (Sta 0+00 to 13+00)
 - West Shelter site improvements
 - Internal trail - from main road intersection through connection to West Shelter parking (N Sta 12+00 to 23+00)
- Area 3 SITE BASE BID: Taylor Lake Shelter grading**
- Includes mass grading for Taylor Lake Shelter
 - Includes aggregate base for Taylor Lake Shelter
 - Excludes floating pier, abutments, walks and steps on east of patio (Area 6)
 - Excludes Taylor Lake Shelter Concrete (Architectural bid package - NIC)

- Area 4 SITE BASE BID: Internal trail from West Shelter to south half of Main Drive**
- Internal trail - from West Shelter parking to main road (N Sta 0+00 to 12+00, S Sta 0+00 to 26+00)
- Area 5 SITE BASE BID: Internal trail extending around Taylor Lake, A-B lot, Main Drive (south half)**
- Internal trail - from main road east and around Taylor Lake to Millennium Trail (S Sta 26+00 to 44+80)
 - Removal of A-B parking lot and trail connection to underpass
 - Excludes floating pier, abutment and Taylor Lake shoreline work (Area 6)
 - Main Drive - south half & electric
 - Reconstruction of Millennium Trail near Fairfield tunnel
- Area 6 SITE ALTERNATE BID: Taylor Lake Shoreline related**
-

- Area 7 SITE ALTERNATE BID: Central Shelter**
-
- Area 8 SITE ALTERNATE BID: Nature Play**
- Nature play parking lot and sidewalk
 - Restoration of previously disturbed area
 - Nature play area (Future - NIC)
- Area 9 SITE ALTERNATE BID: Nature Play**
-
- Area 10 SITE ALTERNATE BID: Nature Play**
-

GENERAL NOTES

SURVEY NOTES

- All elevations are based on U.S.G.S. Datum NAVD 88. All horizontal coordinates reference to the Illinois State Plane Coordinate System East Zone.
- Site benchmarks and control points are shown on the Plans. Any additional layout of lines and grades or any other surveying required to construct the Work shall be the responsibility of the Contractor.

CONSTRUCTION NOTES

- The Contractor shall work within the Construction Limits (which may be represented on these Plans by Limits of Construction, Limits of Grading, Temporary Construction Fence, Silt Fence, Rolled Erosion Control Product or other perimeter erosion barrier).
- Refer to Specification Section 03100 Earthwork and Grading for additional information pertaining to Potential Borrow Areas.
- The project shall be constructed in the following general sequence of construction. If phased construction is shown on the plans, the work for each phase shall follow this general sequence of construction.
 - Mobilization
 - Install erosion control and resource protection measures
 - Stabilized construction entrance (if required)

- Silt fence and rolled erosion control products
 - Inlet protection
 - Temporary construction fencing and barricades
- C. Perform vegetation, clearing, demolition and removal activities
- D. Trails
- Excavate ditches
 - Place permeable plastic berms and ditch checks
 - Grade trail subgrade
 - Rough grade trail sides with on-site topsoil
 - Install topsoil wind row on all trail edges
 - Install proposed culverts
 - Proof roll trail subgrade
 - Install trail aggregate base course (from on-site sources)
 - Perform density testing on trail base course
 - Install trail surface course
 - Perform density testing on trail surface course
 - Fine grade, seed and stabilize all disturbed areas
 - Clean up and complete section or phase

- Perform fine grading/final dragging of surface course
 - Barricade off internal trails with construction fence (Millennium Trail to remain open)
- E. Roads, Parking and all other designated areas
- Remove unsuitable materials
 - Clay cut and clay fill with compaction
 - Excavation and grading of the entire site per plan, including construction of berms, swales, etc.
 - Subgrade preparation
 - Placement and construction of structural and non-structural fills (from on-site sources)
 - Perform density testing of subgrade
 - Place permeable plastic berms and ditch checks
 - If approved by Owner, removal from site and disposal of any excess or unsuitable material upon completion of mass grading
 - Movement and compaction of spoil material from the construction of underground utilities
 - Install base course (from on-site sources)
 - Perform density testing on base course
 - Install binders and surface course

- Perform density testing on surface course
 - Final shaping and trimming to the lines, grades and cross-sections shown in these Plans, and topsoil placement to design finish grade elevations
 - Seed and stabilize all disturbed areas
- F. Install site amenities and structures
- G. Any changes to sequence shall be approved in writing by Owner.
- While the site is to be closed to vehicular traffic during construction, it is the Owner's desire to minimize the closure of the Millennium Trail that routes through "Areas 1 and 5" depicted above. Contractor shall prioritize work within Area 1 and Area 5 to expedite the re-alignment of the Millennium Trail. Once the sections of Millennium Trail have been relocated and resurfaced, Contractor shall place Construction Fencing along both sides of trail so that Millennium Trail can be reopened and functional throughout the remainder of the construction activities.
- Work within "Area 9" is "by Others" and not in contract (NIC). Work within Areas 1 and 5 shall be performed in a manner that maintains construction access from IL Route 176 to Area 9 to the extent practical. With prior coordination and approval from Owner, minimal one to two day closures will be allowed at critical times for main road utility crossings, paving, etc.

LEGEND

EXISTING	PROPOSED	DESCRIPTION	EXISTING	PROPOSED	DESCRIPTION
[Symbol]	[Symbol]	SANITARY SEWER	[Symbol]	[Symbol]	CENTER LINE
[Symbol]	[Symbol]	FORCE MAIN	[Symbol]	[Symbol]	EASEMENT
[Symbol]	[Symbol]	STORM SEWER	[Symbol]	[Symbol]	BUILDING SETBACK
[Symbol]	[Symbol]	P.V.C. STORM SEWER	[Symbol]	[Symbol]	CURB & GUTTER
[Symbol]	[Symbol]	COMBINED SEWER	[Symbol]	[Symbol]	CURB & REVERSE GUTTER PITCH
[Symbol]	[Symbol]	DRAIN TILE	[Symbol]	[Symbol]	DEPRESSED CURB & GUTTER
[Symbol]	[Symbol]	WATER MAIN	[Symbol]	[Symbol]	GUARD RAIL
[Symbol]	[Symbol]	TRENCH BACKFILL	[Symbol]	[Symbol]	FENCE
[Symbol]	[Symbol]	MANHOLE	[Symbol]	[Symbol]	RETAINING WALL
[Symbol]	[Symbol]	CATCH BASIN	[Symbol]	[Symbol]	CURB RAMP
[Symbol]	[Symbol]	INLET	[Symbol]	[Symbol]	DRIVEWAY HAND SIGN
[Symbol]	[Symbol]	2' STORM MANHOLE	[Symbol]	[Symbol]	MAIL BOX
[Symbol]	[Symbol]	INLET MANHOLE	[Symbol]	[Symbol]	SOIL BORING
[Symbol]	[Symbol]	FLARED END SECTION	[Symbol]	[Symbol]	TOPSOIL PROBE
[Symbol]	[Symbol]	HEAD WALL	[Symbol]	[Symbol]	DECIDUOUS TREE, DIAMETER
[Symbol]	[Symbol]	CLEAN-OUT	[Symbol]	[Symbol]	EXISTING TREE TO REMAIN
[Symbol]	[Symbol]	METER VAULT	[Symbol]	[Symbol]	EXISTING TREE TO BE REMOVED
[Symbol]	[Symbol]	VALVE VAULT	[Symbol]	[Symbol]	EXISTING TREE STUMP
[Symbol]	[Symbol]	VALVE BOX	[Symbol]	[Symbol]	EVERGREEN TREE, HEIGHT
[Symbol]	[Symbol]	BUFFALO BOX	[Symbol]	[Symbol]	TOP OF FOUNDATION
[Symbol]	[Symbol]	FIRE HYDRANT	[Symbol]	[Symbol]	FINISHED GRADE
[Symbol]	[Symbol]	CONFLICT	[Symbol]	[Symbol]	SPOT ELEVATION
[Symbol]	[Symbol]	CROSSING	[Symbol]	[Symbol]	TOP OF CURB ELEVATION
[Symbol]	[Symbol]	TRIPLE BASIN	[Symbol]	[Symbol]	FLOW LINE OF GUTTER
[Symbol]	[Symbol]	GREASE BASIN	[Symbol]	[Symbol]	CONTOUR
[Symbol]	[Symbol]	GAS MAIN	[Symbol]	[Symbol]	DITCH
[Symbol]	[Symbol]	ELECTRIC CABLE	[Symbol]	[Symbol]	DRAINAGE FLOW
[Symbol]	[Symbol]	TELEPHONE CABLE	[Symbol]	[Symbol]	OVERLAND FLOW
[Symbol]	[Symbol]	FIBER OPTIC CABLE	[Symbol]	[Symbol]	RIM ELEVATION
[Symbol]	[Symbol]	CABLE	[Symbol]	[Symbol]	INVERT ELEVATION
[Symbol]	[Symbol]	OVERHEAD UTILITIES	[Symbol]	[Symbol]	WATER OF THE U.S.
[Symbol]	[Symbol]	STREET LIGHT	[Symbol]	[Symbol]	WATER OF THE U.S. BUFFER LINE
[Symbol]	[Symbol]	UTILITY POLE	[Symbol]	[Symbol]	RIDGE LINE
[Symbol]	[Symbol]	PEDESTAL	[Symbol]	[Symbol]	BASE FLOOD ELEVATION LINE
[Symbol]	[Symbol]	TRANSFORMER	[Symbol]	[Symbol]	F.E.M.A. FLOODPLAIN LINE
[Symbol]	[Symbol]	GAS VALVE	[Symbol]	[Symbol]	WATERS EDGE
[Symbol]	[Symbol]	ELECTRIC BOX	[Symbol]	[Symbol]	FEMA FLOODWAY
[Symbol]	[Symbol]	TELEPHONE MANHOLE	[Symbol]	[Symbol]	SILT FENCE
[Symbol]	[Symbol]	FIBER OPTIC MANHOLE	[Symbol]	[Symbol]	TEMP. CONSTRUCTION FENCE
[Symbol]	[Symbol]	TRAFFIC SIGNAL BOX	[Symbol]	[Symbol]	TURBIDITY BARRIER
[Symbol]	[Symbol]	TRAFFIC SIGNAL	[Symbol]	[Symbol]	FILTER SOCK
[Symbol]	[Symbol]		[Symbol]	[Symbol]	PERMEABLE PLASTIC
[Symbol]	[Symbol]		[Symbol]	[Symbol]	DITCH CHECK
[Symbol]	[Symbol]		[Symbol]	[Symbol]	APPROXIMATE LOCATION OF POTENTIAL STAGING AREA
[Symbol]	[Symbol]		[Symbol]	[Symbol]	APPROXIMATE LOCATION OF POTENTIAL BORROW AREA

HORIZONTAL CONTROL:

NATIONAL GEODETIC SURVEY MONUMENT DESIGNATION	NORTHING	EASTING	ELEV.	DESCRIPTION
LAK60 1A	2037955.08100	1045010.02600	821.01	CPNAIL-LCFP1107
NAD 83				
HORIZ ORDER - FIRST	2038122.82900	1044937.01000	818.10	CPNAIL-LCFP242
N 2,049,740.42	2038062.84300	1045113.63900	820.95	CPNAIL-LCFP243
E 1,057,104.47	2037437.82900	1044935.12600	837.49	CPIR
	2037110.56300	1044939.92800	842.85	CPIR
	2036629.72100	1044997.52400	841.37	CPIR
	2036830.72300	1045277.42200	844.26	CPIR
	2037133.55300	1045413.26600	843.15	CPIR
	2037410.68800	1045497.42000	843.75	CPIR
	2037451.22000	1045317.28000	844.05	CUTX
	2037699.58800	1045220.35100	840.34	CUTX
	2037651.44900	1045414.25400	842.13	CPIR
	2037829.94700	1045183.76000	834.32	CPPK
	2037264.38400	1045109.49100	843.27	CPIR
	2036787.72000	1044682.45500	840.735	CPIR
	2036985.93000	1044784.68000	841.300	CPIR
	2037056.76000	1045224.48500	844.385	CPPK
	2037132.66500	1045097.54000	844.245	CPPK
	2037018.59500	1045042.74500	844.715	CUTX
	2037279.51000	1045355.39000	844.655	CPIR
	2037418.62500	1045184.70500	842.605	CPIR
	2037661.74000	1045054.30500	835.48	CPIR
	2038348.37000	1045097.50800	825.592	CPIR
	2037614.02900	1044785.29700	834.18	CPIR
	2037523.87800	1044543.90600	833.56	CPIR
	2037541.92900	1044008.99100	825.70	CPIR
	2037373.38800	1043590.73800	823.10	CPIR
	2037076.06200	1043305.03100	823.56	CPIR
	2036633.28700	1043367.64700	822.32	CPIR
	2036413.93300	1043718.80400	830.20	CPIR
	2036411.03000	1044230.07100	829.96	CPIR
	2036427.38600	1044761.56500	839.79	CPIR
	2037634.27200	1045113.46100	842.94	CPICUTX
	2037812.49700	1045795.27300	843.84	CPICUTX

BENCHMARKS:

VERTICAL CONTROL NATIONAL VERTICAL DATUM OF 1929 CONVERSION FROM 29 TO NAVD 88 IS -0.21

LAKE COUNTY BENCHMARK RECOVERY SHEET MARKER DESIGNATION 1-58B CHISELED SQUARE ON CURB AT THE WEST SIDE OF THE ENTRANCE TO THE CEMETERY ALONG ILLINOIS ROUTE 176. ELEVATION= 819.96

CONTROL POINTS:

PNT. NO.	NORTHING	EASTING	ELEV.	DESCRIPTION
9000	2037955.08100	1045010.02600	821.01	CPNAIL-LCFP1107
9001	2038122.82900	1044937.01000	818.10	CPNAIL-LCFP242
9002	2038062.84300	1045113.63900	820.95	CPNAIL-LCFP243
9003	2037437.82900	1044935.12600	837.49	CPIR
9004	2037110.56300	1044939.92800	842.85	CPIR
9005	2036629.72100	1044997.52400	841.37	CPIR
9006	2036830.72300	1045277.42200	844.26	CPIR
9007	2037133.55300	1045413.26600	843.15	CPIR
9008	2037410.68800	1045497.42000	843.75	CPIR
9009	2037451.22000	1045317.28000	844.05	CUTX
9010	2037699.58800	1045220.35100	840.34	CUTX
9011	2037651.44900	1045414.25400	842.13	CPIR
9012	2037829.94700	1045183.76000	834.32	CPPK
9013	2037264.38400	1045109.49100	843.27	CPIR
9014	2036787.72000	1044682.45500	840.735	CPIR
9015	2036985.93000	1044784.68000	841.300	CPIR
9016	2037056.76000	1045224.48500	844.385	CPPK
9017	2037132.66500	1045097.54000	844.245	CPPK
9018	2037018.59500	1045042.74500	844.715	CUTX
9019	2037279.51000	1045355.39000	844.655	CPIR
9020	2037418.62500	1045184.70500	842.605	CPIR
9021	2037661.74000	1045054.30500	835.48	CPIR
9040	2038348.37000	1045097.50800	825.592	CPIR
9041	2037614.02900	1044785.29700	834.18	CPIR
9042	2037523.87800	1044543.90600	833.56	CPIR
9043	2037541.92900	1044008.99100	825.70	CPIR
9044	2037373.38800	1043590.73800	823.10	CPIR
9045	2037076.06200	1043305.03100	823.56	CPIR
9046	2036633.28700	1043367.64700	822.32	CPIR
9047	2036413.93300	1043718.80400	830.20	CPIR
9048	2036411.03000	1044230.07100	829.96	CPIR
9049	2036427.38600	1044761.56500	839.79	CPIR
9052	2037634.27200	1045113.46100	842.94	CPICUTX
9053	2037812.49700	1045795.27300	843.84	CPICUTX

LAKEWOOD FOREST PRESERVE
LAKE COUNTY, ILLINOIS

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DRAWN BY: A.Z.
CHECKED BY: A.K.Z.
ORIGINAL ISSUE: 09/24/23

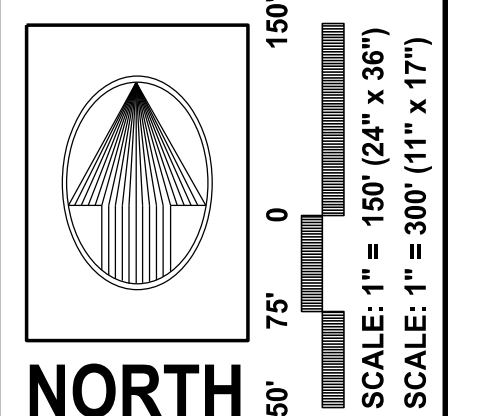
DESCRIPTION

DATE BY

REVISIONS

NOTES

SHEET NUMBER
2
OF 56 SHEETS



LAKWOOD FOREST PRESERVE
LAKE COUNTY, ILLINOIS

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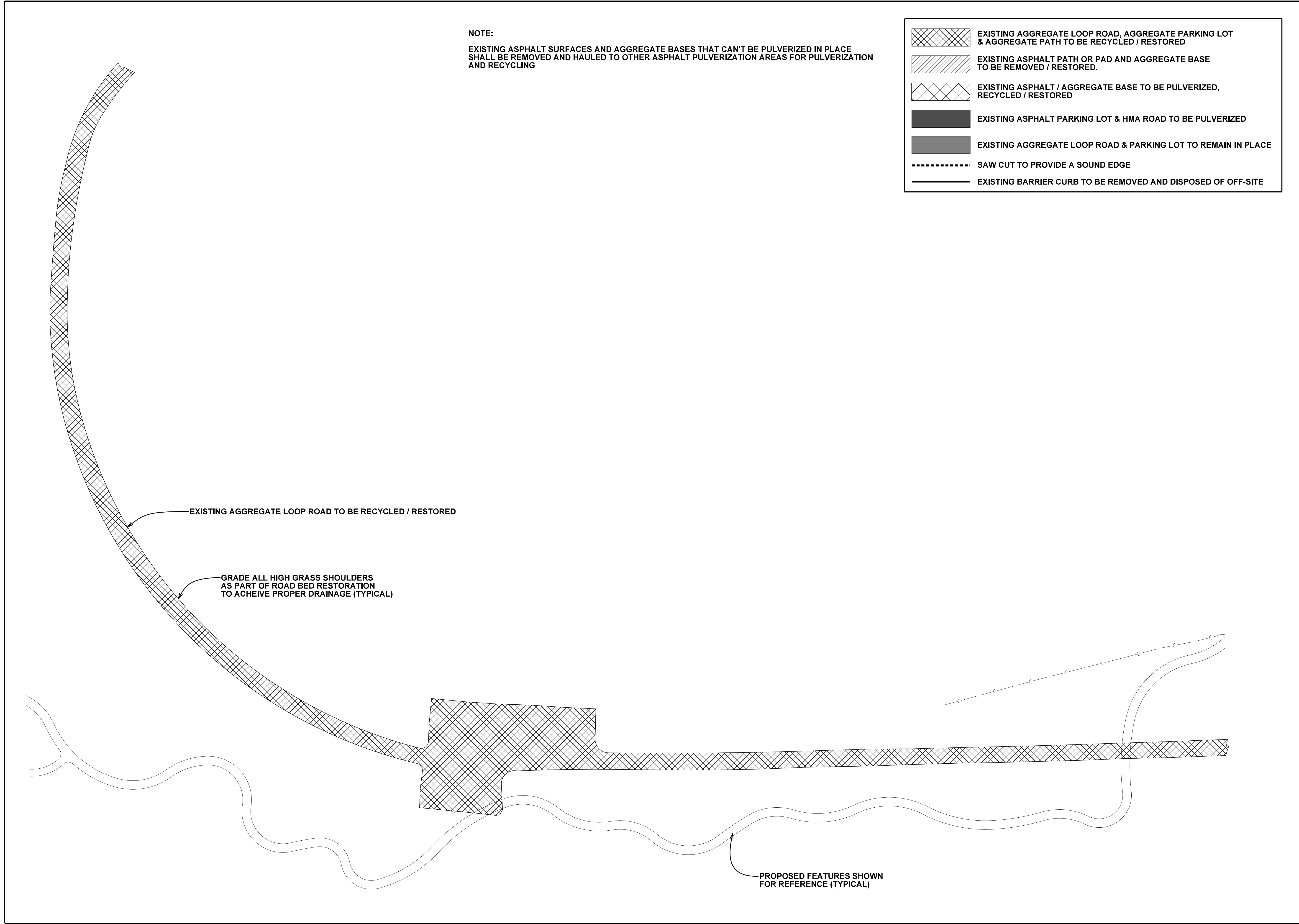
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ORIGINAL ISSUE: 02/24/23

REVISIONS	DATE BY	DESCRIPTION

EXISTING CONDITIONS

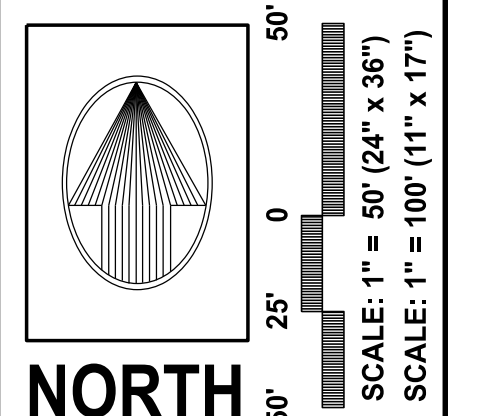
SHEET NUMBER
3
OF 56 SHEETS

JOB No. 2036



NOTE:
 EXISTING ASPHALT SURFACES AND AGGREGATE BASES THAT CAN'T BE PULVERIZED IN PLACE SHALL BE REMOVED AND HAULED TO OTHER ASPHALT PULVERIZATION AREAS FOR PULVERIZATION AND RECYCLING

- EXISTING AGGREGATE LOOP ROAD, AGGREGATE PARKING LOT & AGGREGATE PATH TO BE RECYCLED / RESTORED
- EXISTING ASPHALT PATH OR PAD AND AGGREGATE BASE TO BE REMOVED / RESTORED.
- EXISTING ASPHALT / AGGREGATE BASE TO BE PULVERIZED, RECYCLED / RESTORED
- EXISTING ASPHALT PARKING LOT & HMA ROAD TO BE PULVERIZED
- EXISTING AGGREGATE LOOP ROAD & PARKING LOT TO REMAIN IN PLACE
- SAW CUT TO PROVIDE A SOUND EDGE
- EXISTING BARRIER CURB TO BE REMOVED AND DISPOSED OF OFF-SITE



LAKWOOD FOREST PRESERVE
 LAKE COUNTY, ILLINOIS

PEARSON, BROWN & ASSOCIATES, INC.
 CONSULTING ENGINEERS
 1850 W. WINCHESTER ROAD - SUITE 205
 LIBERTYVILLE, IL 60048
 PHONE: (847) 387-2987
 FAX: (847) 387-2987
 E-MAIL ADDRESS: pba@pearsonbrown.com

DESIGNED BY: D.S.H.
 DRAWN BY: A.Z.
 CHECKED BY: A.K.Z.
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DATE BY	DESCRIPTION

SOUTHWEST DEMO & RECYCLING

SHEET NUMBER
8
 OF 56 SHEETS

JOB No. 2036

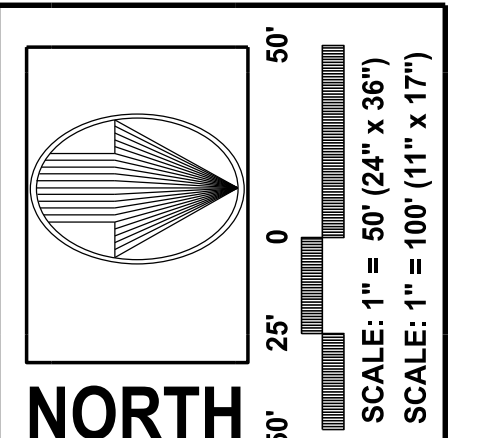
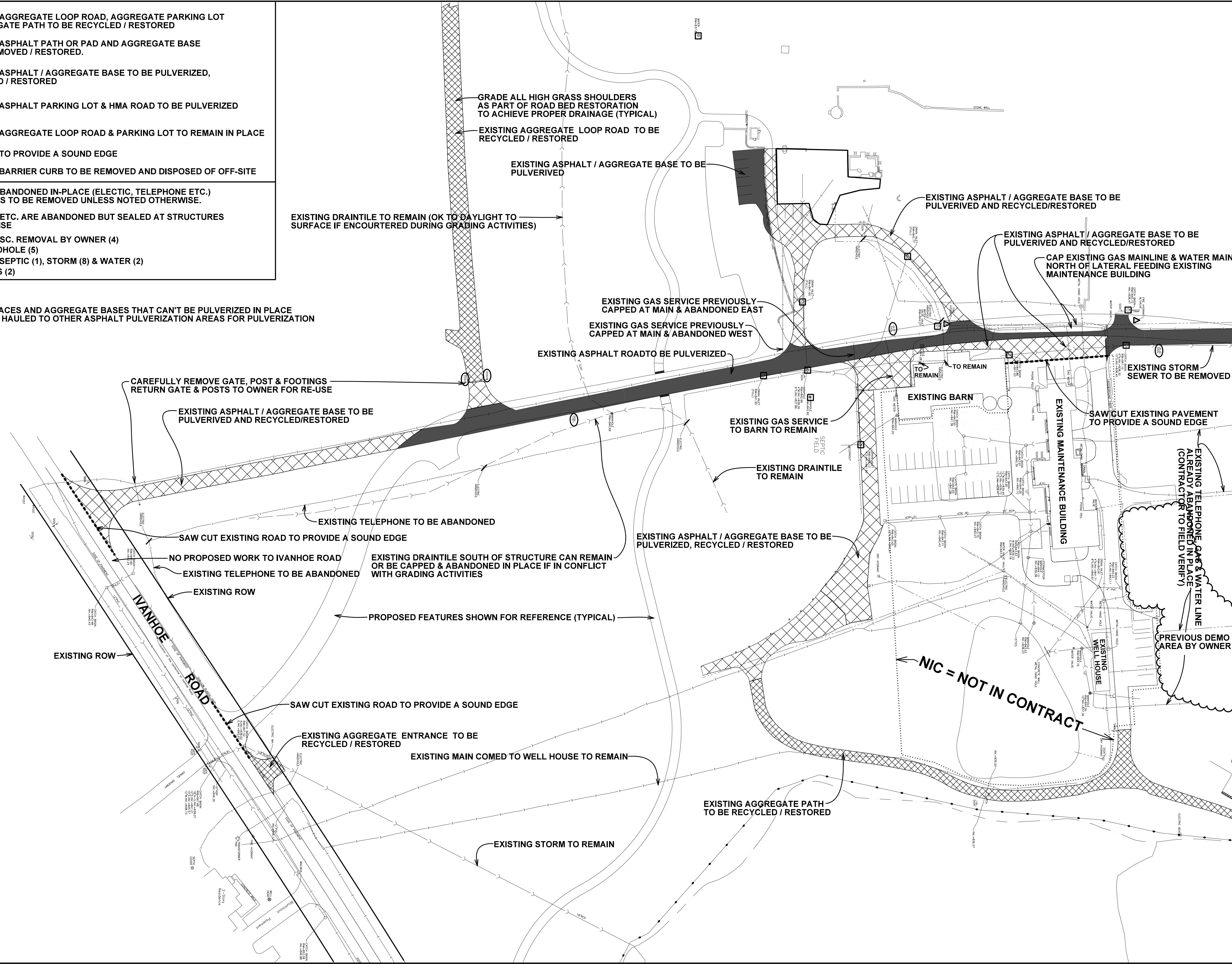
- EXISTING AGGREGATE LOOP ROAD, AGGREGATE PARKING LOT & AGGREGATE PATH TO BE RECYCLED / RESTORED
- EXISTING ASPHALT PATH OR PAD AND AGGREGATE BASE TO BE REMOVED / RESTORED.
- EXISTING ASPHALT / AGGREGATE BASE TO BE PULVERIZED, RECYCLED / RESTORED
- EXISTING ASPHALT PARKING LOT & HMA ROAD TO BE PULVERIZED
- EXISTING AGGREGATE LOOP ROAD & PARKING LOT TO REMAIN IN PLACE
- SAW CUT TO PROVIDE A SOUND EDGE
- EXISTING BARRIER CURB TO BE REMOVED AND DISPOSED OF OFF-SITE

ALL DRY UTILITIES ARE ABANDONED IN-PLACE (ELECTRIC, TELEPHONE ETC.) ELECTRICAL STRUCTURES TO BE REMOVED UNLESS NOTED OTHERWISE.

ALL STORM AND SEPTIC, ETC. ARE ABANDONED BUT SEALED AT STRUCTURES UNLESS NOTED OTHERWISE

- - SIGN, POST & MISC. REMOVAL BY OWNER (4)
- / - ELECTRIC HANDHOLE (5)
- - STRUCTURES - SEPTIC (1), STORM (8) & WATER (2)
- △ - FIRE HYDRANTS (2)

NOTE:
EXISTING ASPHALT SURFACES AND AGGREGATE BASES THAT CAN'T BE PULVERIZED IN PLACE SHALL BE REMOVED AND HAULED TO OTHER ASPHALT PULVERIZATION AREAS FOR PULVERIZATION AND RECYCLING



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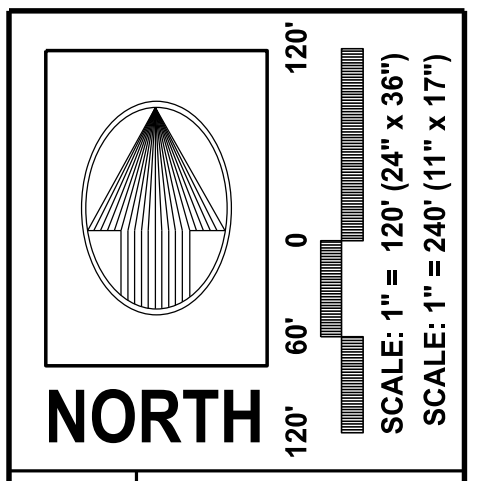
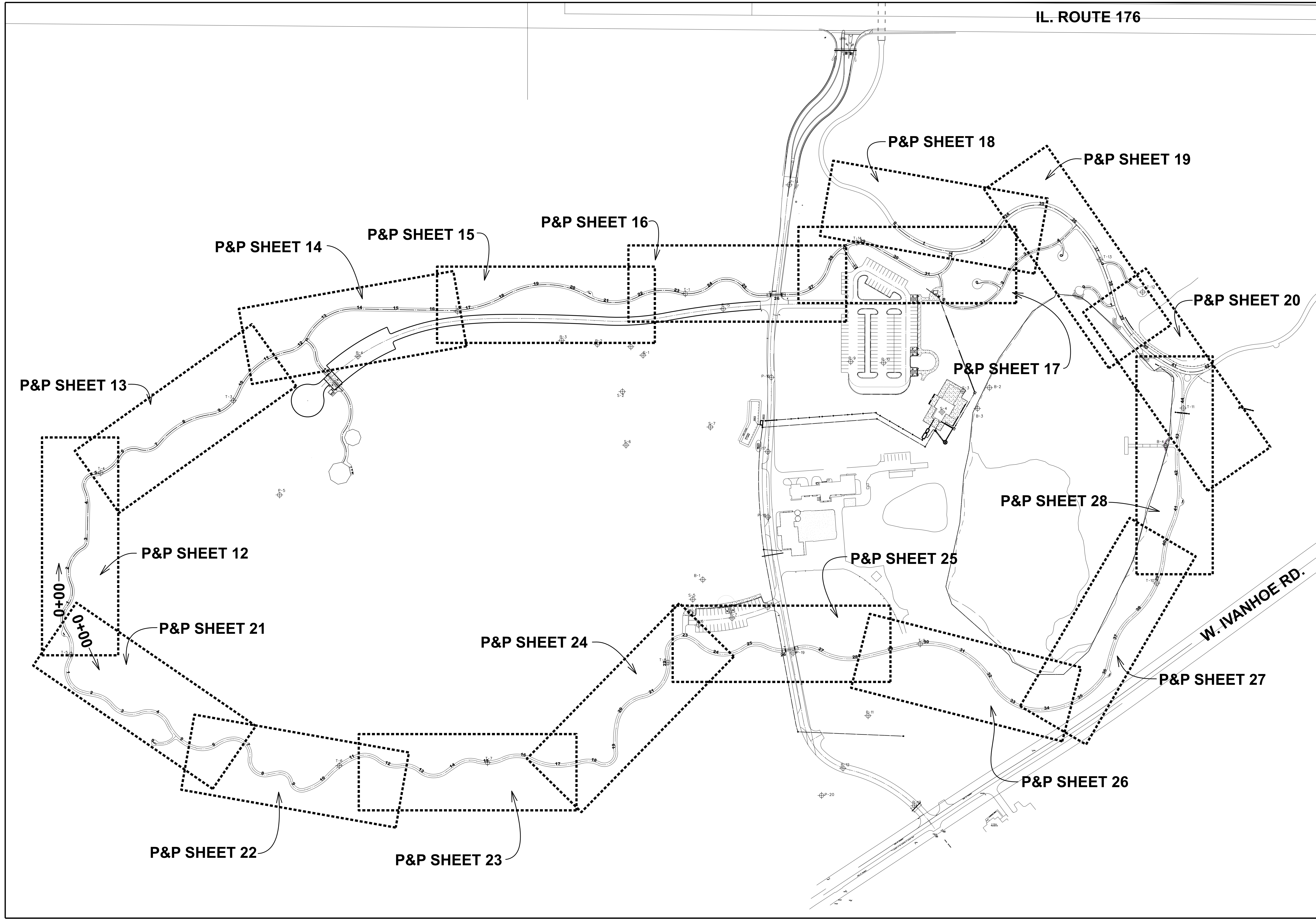
DATE BY	DESCRIPTION

SOUTH DEMO & RECYCLING

SHEET NUMBER
9

OF 56 SHEETS

JOB No. 2036



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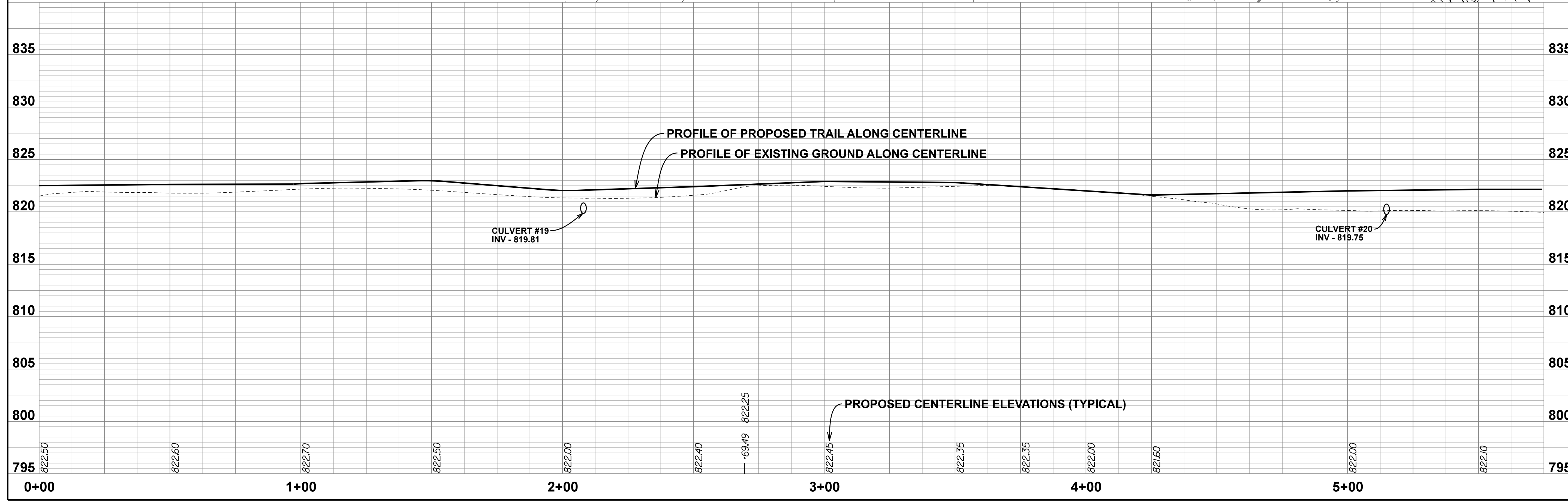
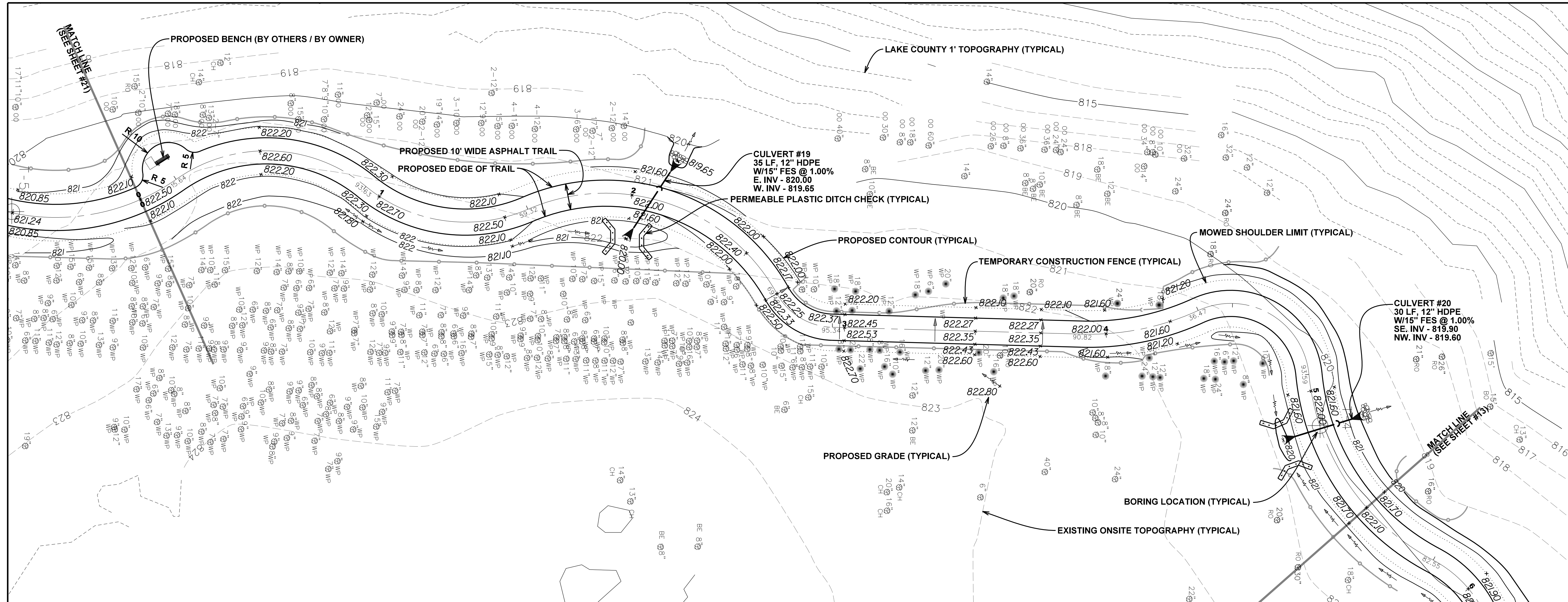
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ASPHALT LOOP TRAIL KEY

SHEET NUMBER
11

OF 56 SHEETS

JOB No. 2036



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NORTH

SCALE: 1" = 40' (11" x 17")

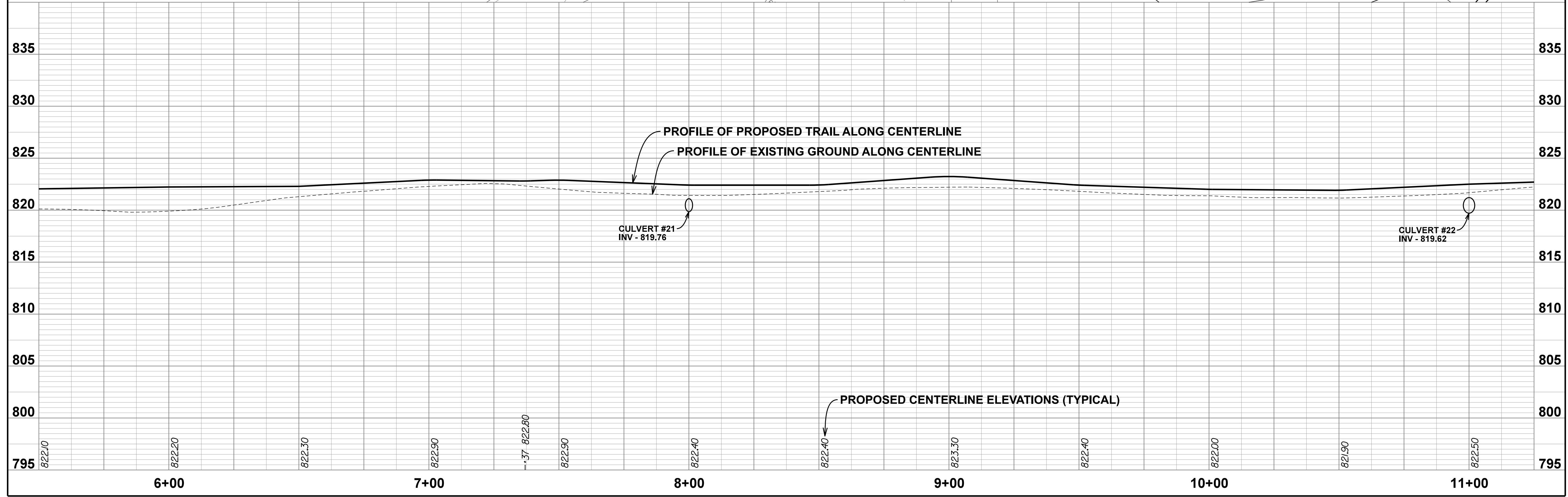
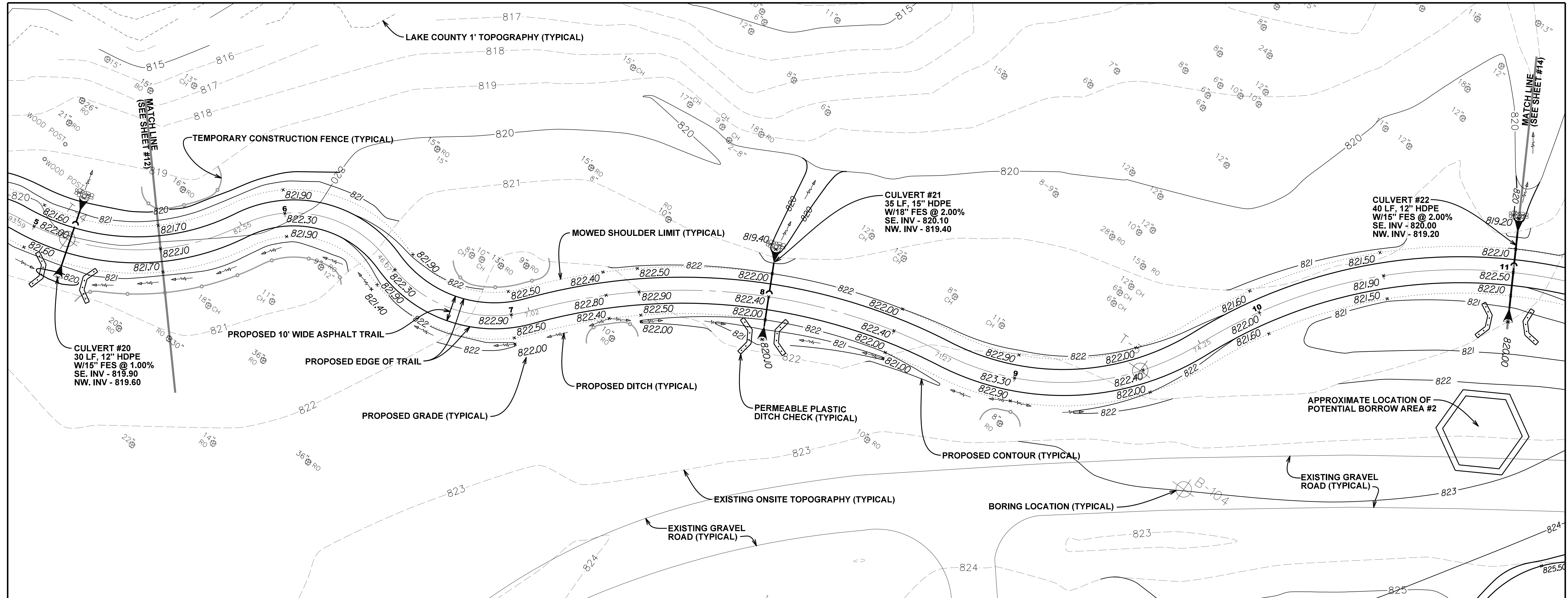
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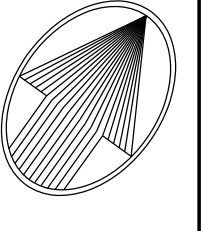
DATE	BY	DESCRIPTION

**ASPHALT LOOP TRAIL
PLAN & PROFILE**


SHEET NUMBER
12
OF 56 SHEETS

JOB No. 2005





NORTH



SCALE: 1" = 20' (24" x 36")
SCALE: 1" = 40' (11" x 17")

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LAKE COUNTY, ILLINOIS

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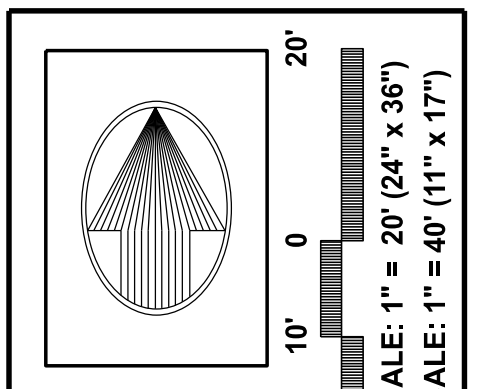
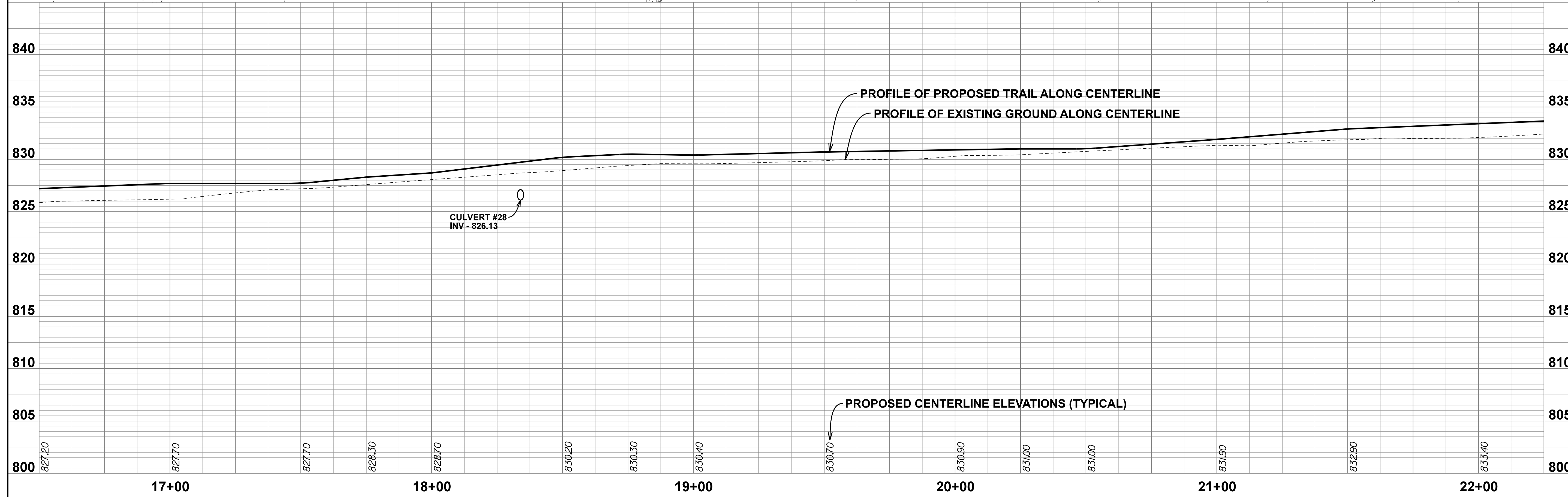
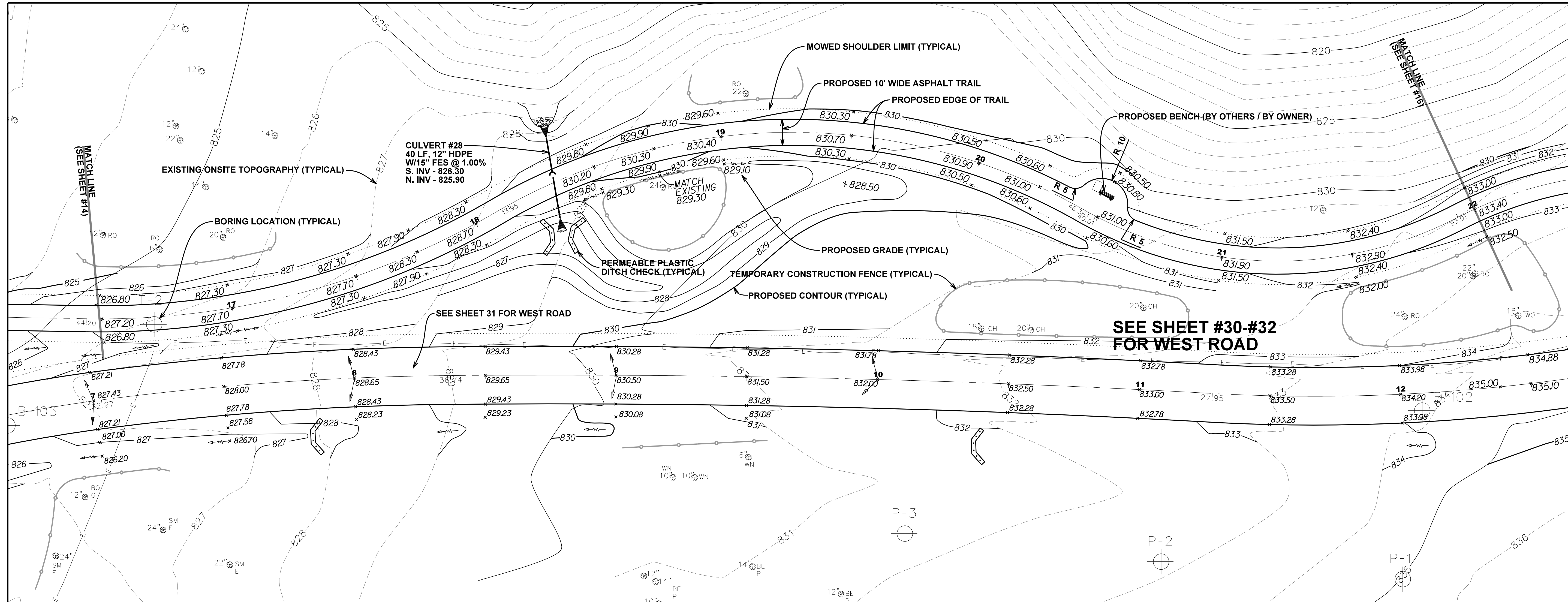
DATE	BY	DESCRIPTION

REVISIONS

ASPHALT LOOP TRAIL PLAN & PROFILE

SHEET NUMBER
13
OF 56 SHEETS

JOB No. 2035



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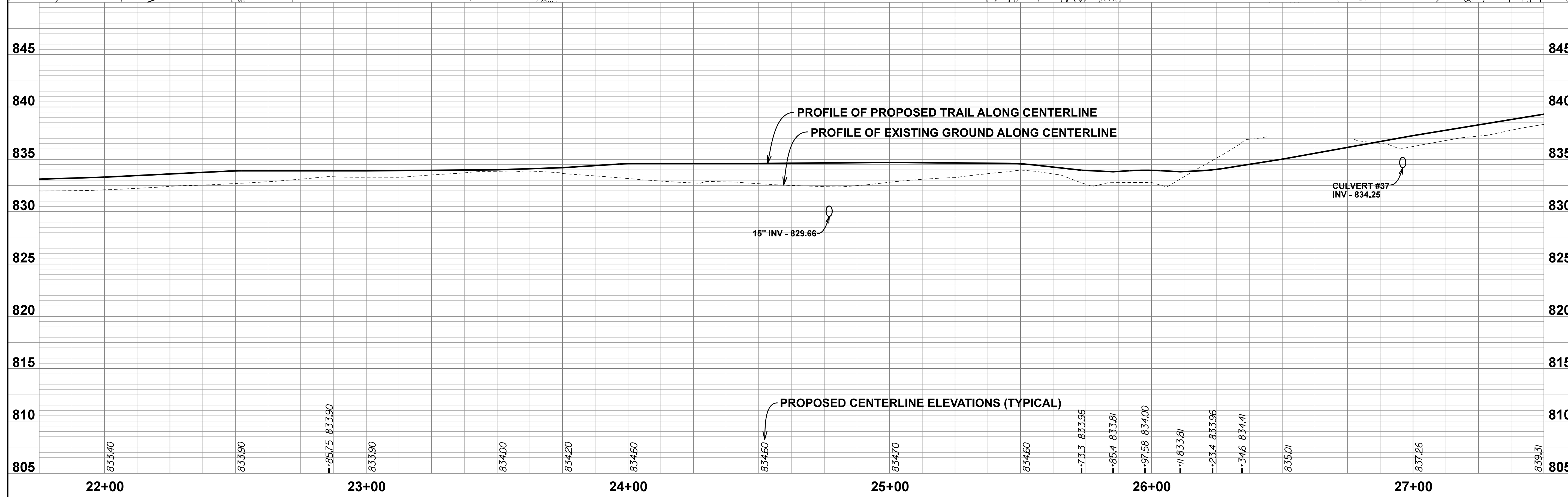
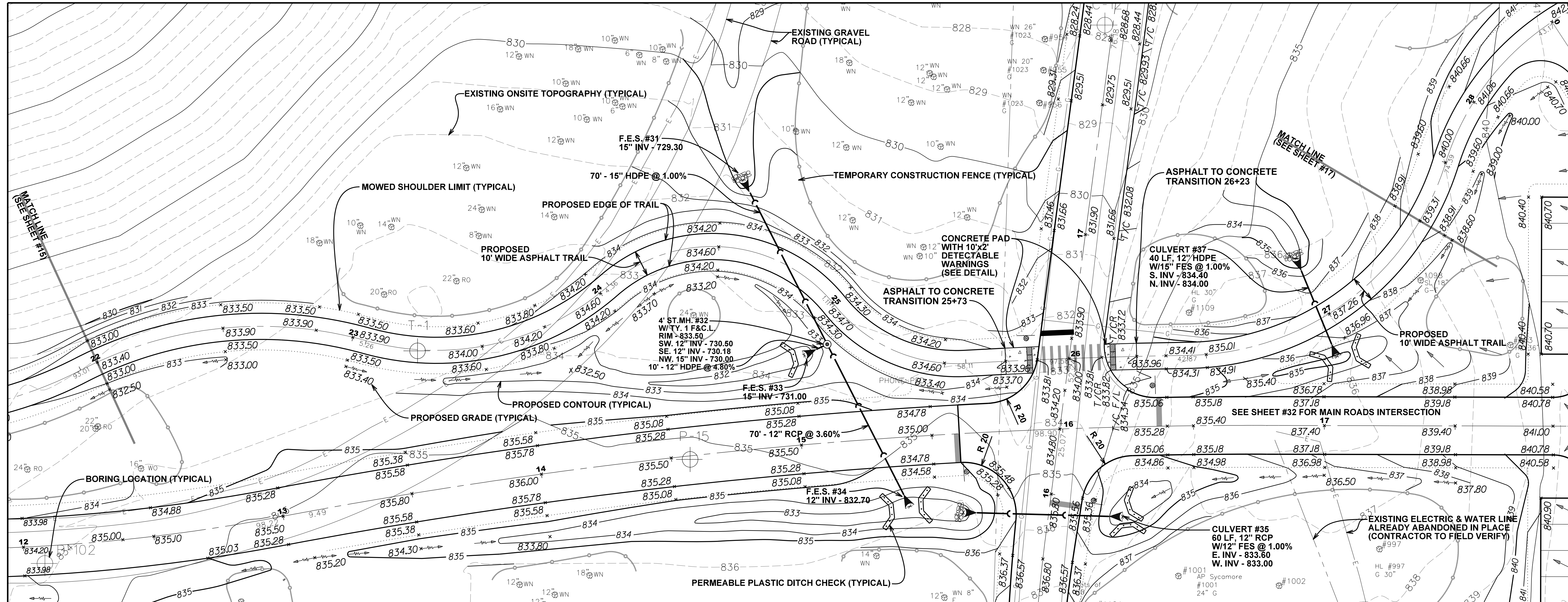
DATE	BY	DESCRIPTION

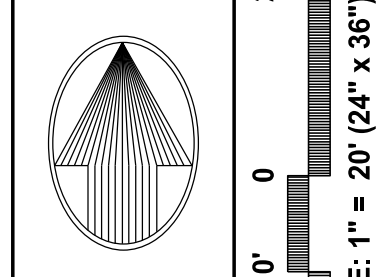
REVISIONS

ASPHALT LOOP TRAIL PLAN & PROFILE

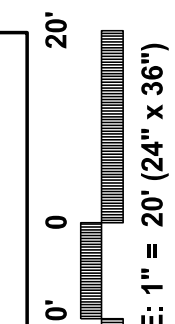
SHEET NUMBER
15
 OF 56 SHEETS

JOB No. 2035





NORTH

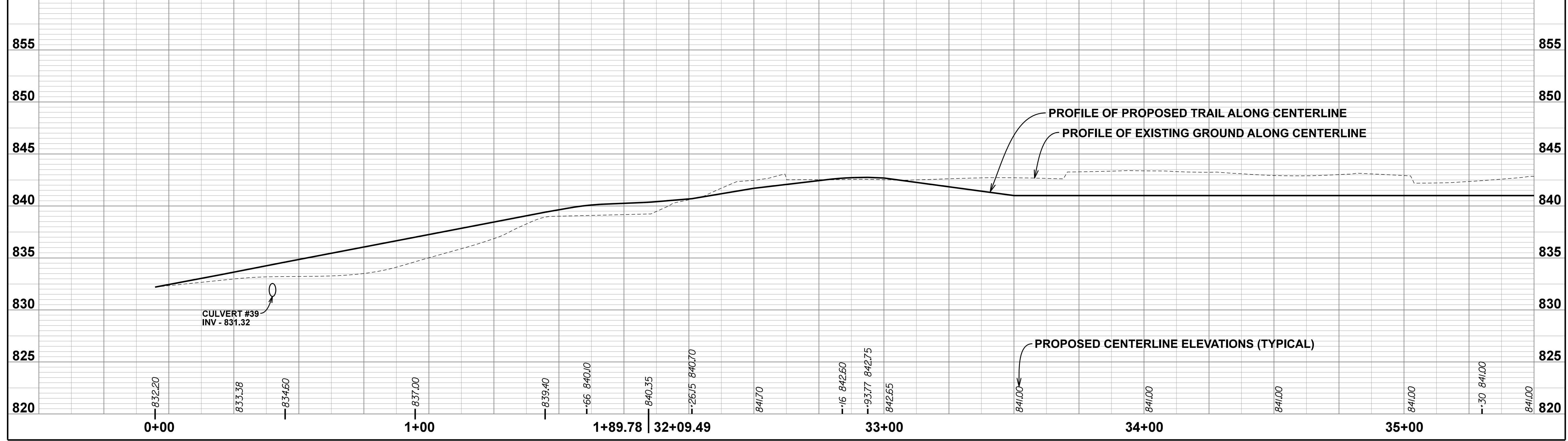
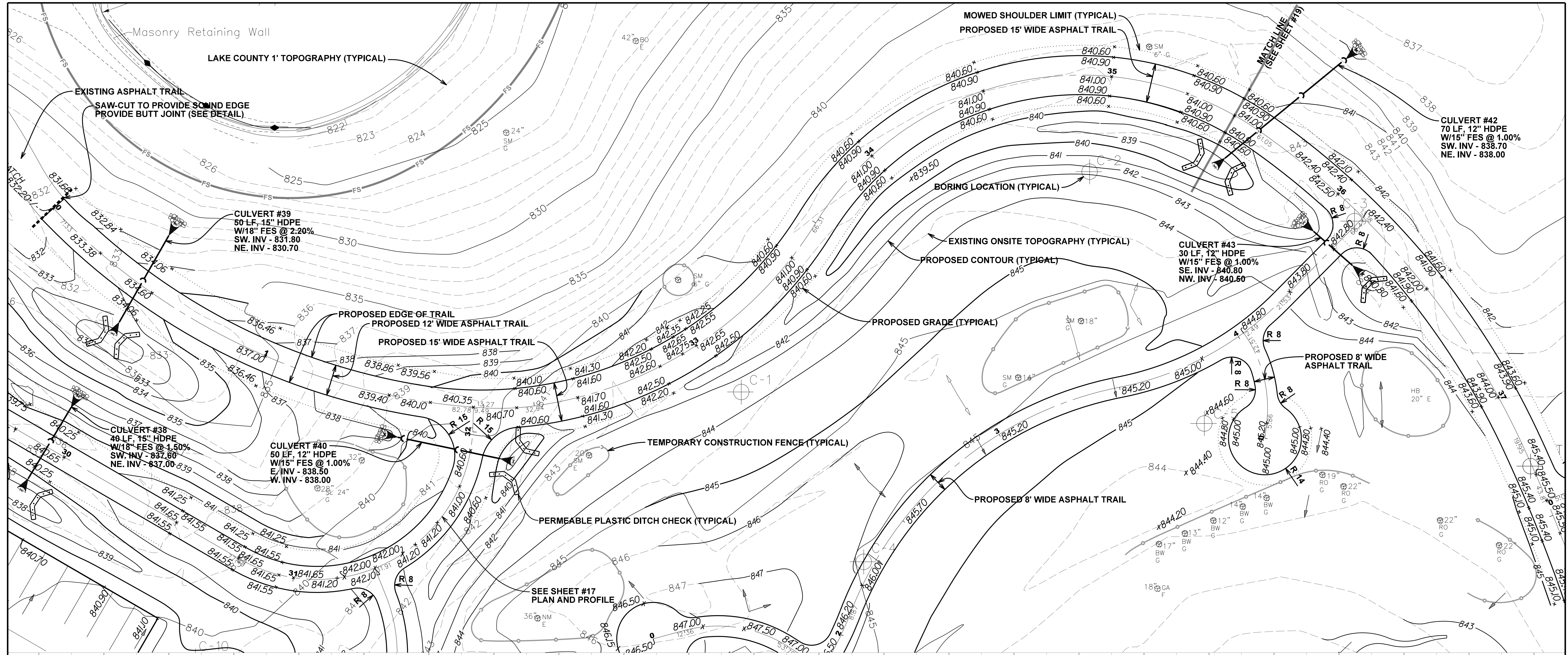


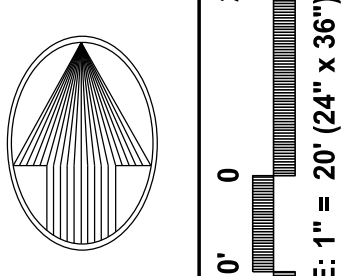
SCALE: 1" = 40' (11" x 17")

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ASPHALT LOOP TRAIL PLAN & PROFILE					
SHEET NUMBER					16
OF 56 SHEETS					JOB No. 2005





NORTH

SCALE: 1" = 20' (24" x 36")
 SCALE: 1" = 40' (11" x 17")

LAKEDOWN FOREST PRESERVE
 LAKE COUNTY, ILLINOIS

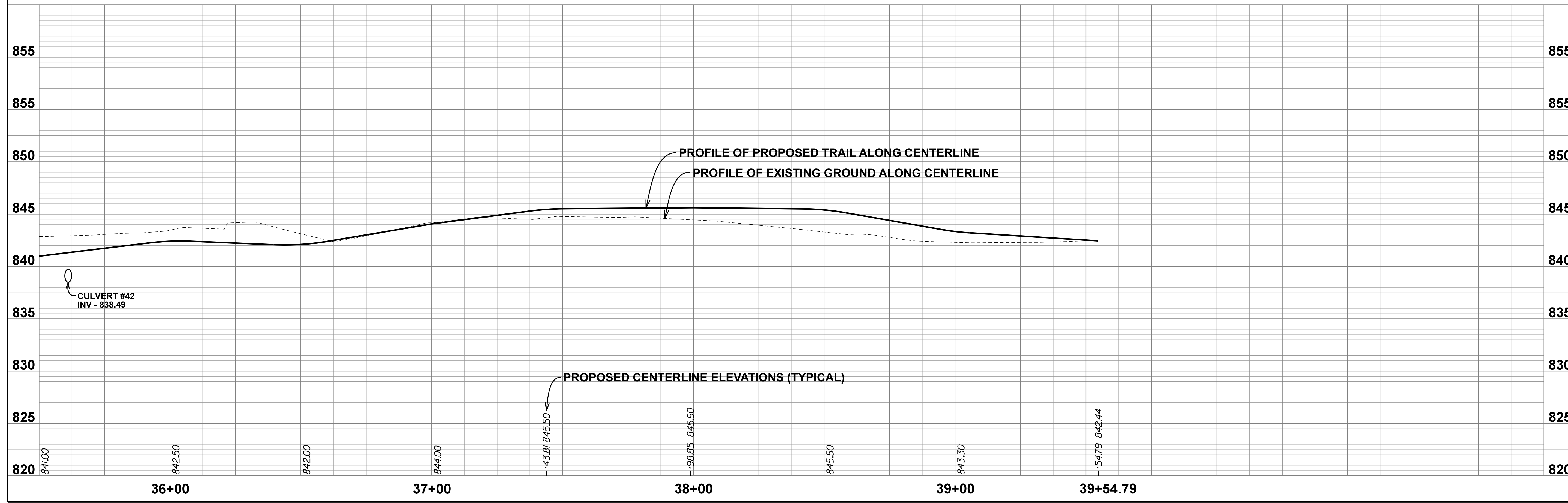
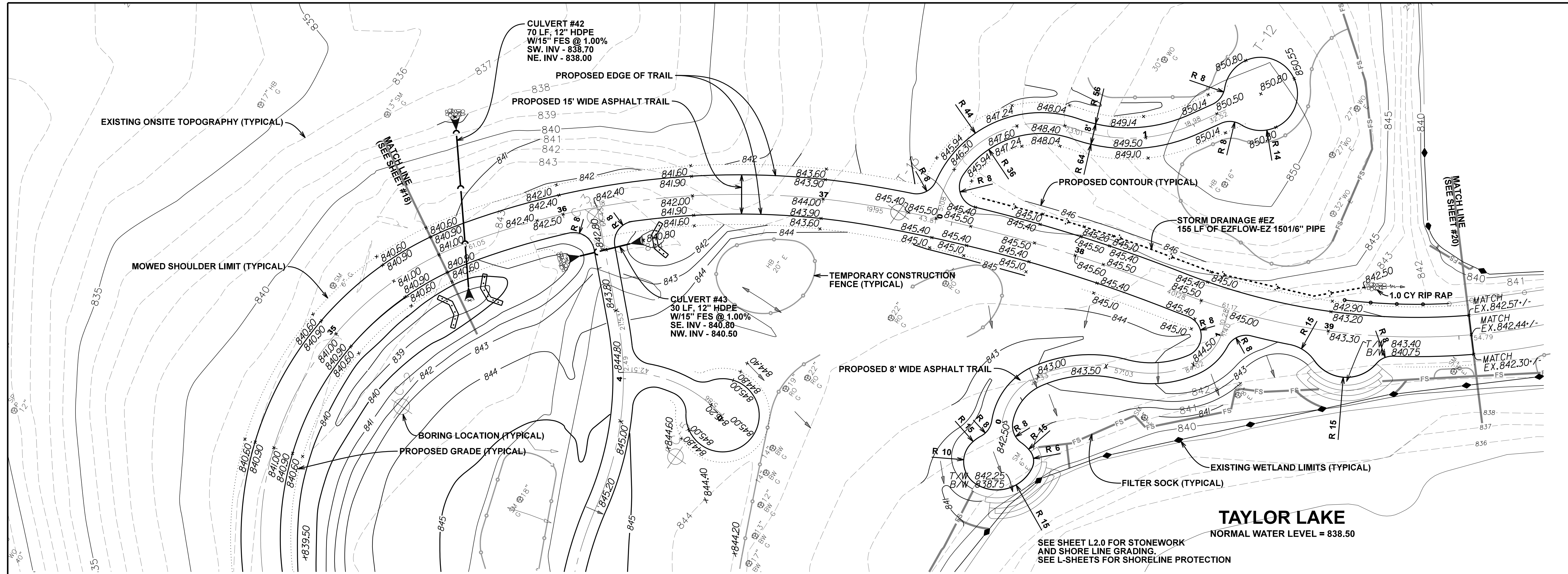
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**ASPHALT LOOP TRAIL
 PLAN & PROFILE AND DAY USE AREA**

SHEET NUMBER
18
 OF 56 SHEETS

JOB No. 2005



LAKWOOD FOREST PRESERVE
LAKE COUNTY, ILLINOIS

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NORTH

SCALE: 1" = 40' (11" x 17")

**ASPHALT LOOP TRAIL
PLAN & PROFILE AND DAY USE AREA**

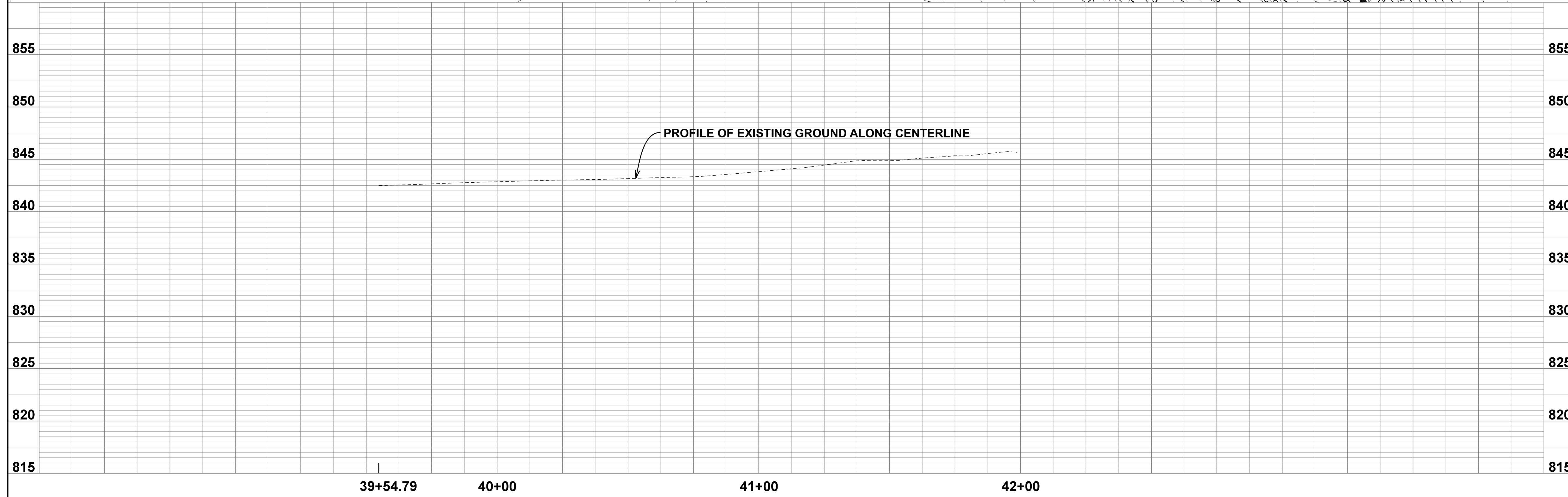
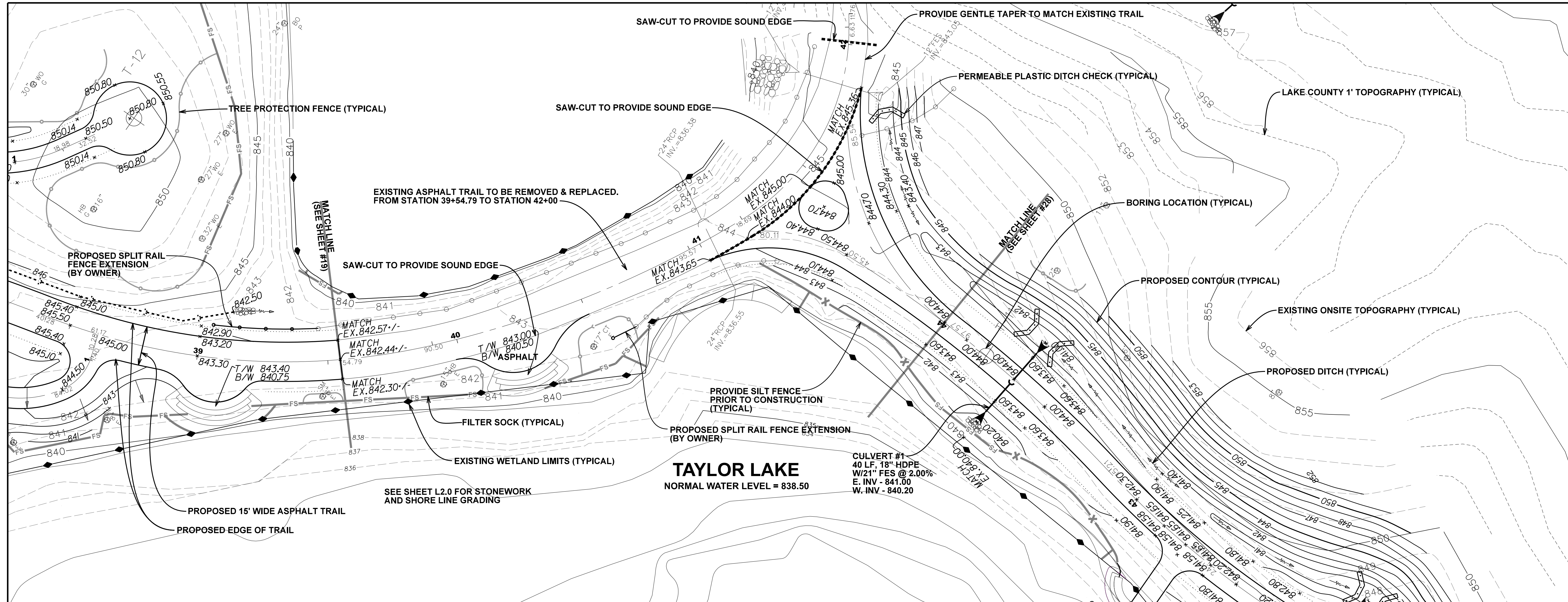
DATE BY: 05/23/23 AZ REVISION PER LCS/MC

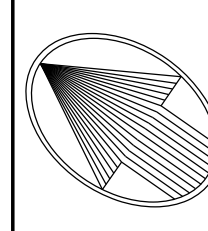
DESCRIPTION

REVISIONS

SHEET NUMBER
19
OF 56 SHEETS

JOB No. 2035





NORTH

SCALE: 1" = 20' (24" x 36")
SCALE: 1" = 40' (11" x 17")

LAKELWOOD FOREST PRESERVE
LAKE COUNTY, ILLINOIS

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DATE BY

**ASPHALT LOOP TRAIL
PLAN & PROFILE**

DESCRIPTION

REVISIONS

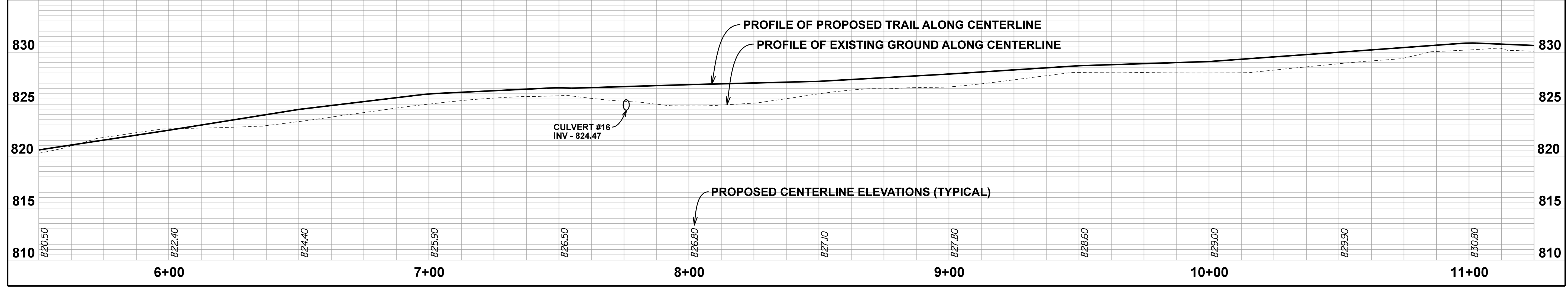
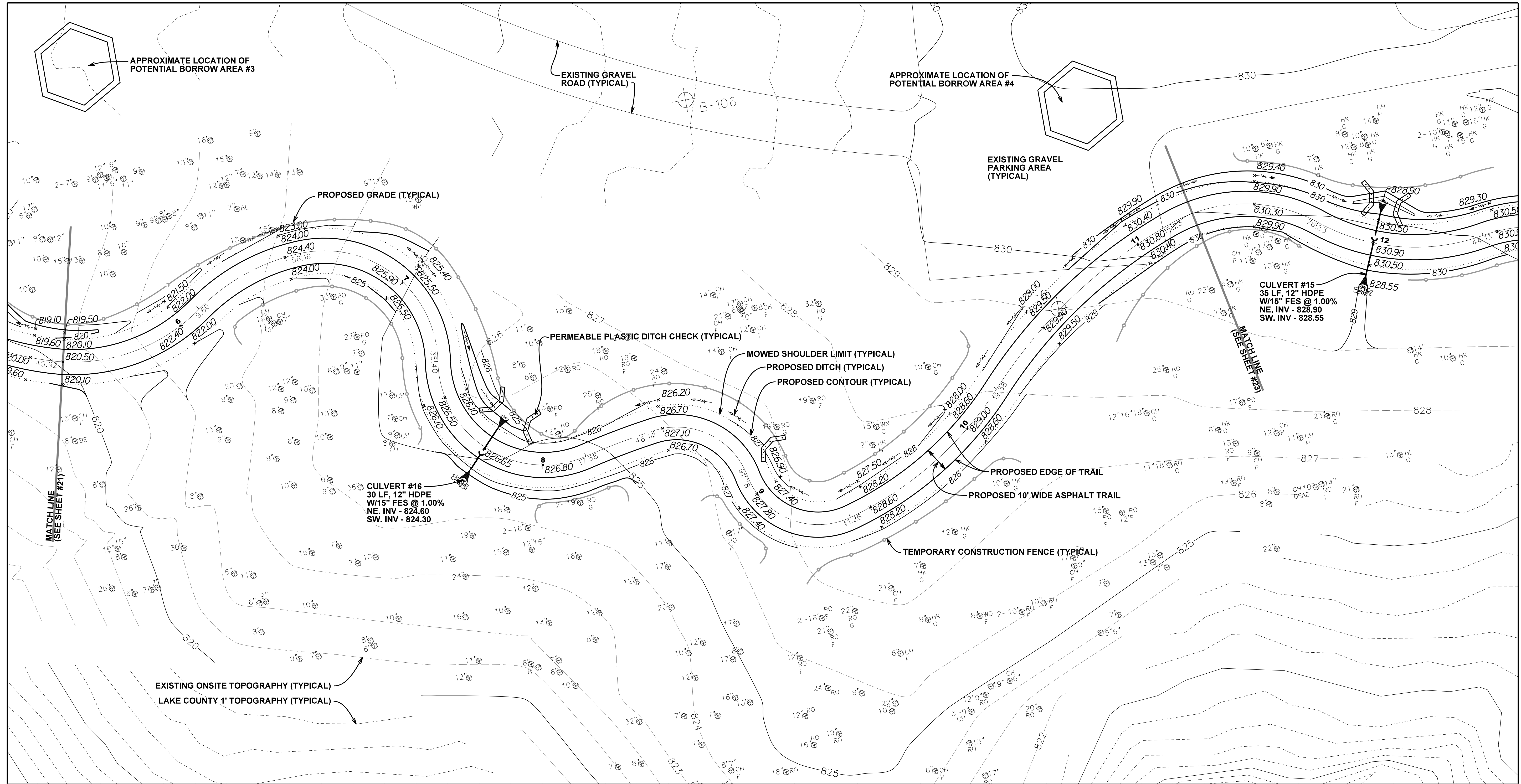
DATE BY

SHEET NUMBER

JOB No. 2035

OF 56 SHEETS

20



LAKWOOD FOREST PRESERVE
LAKE COUNTY, ILLINOIS

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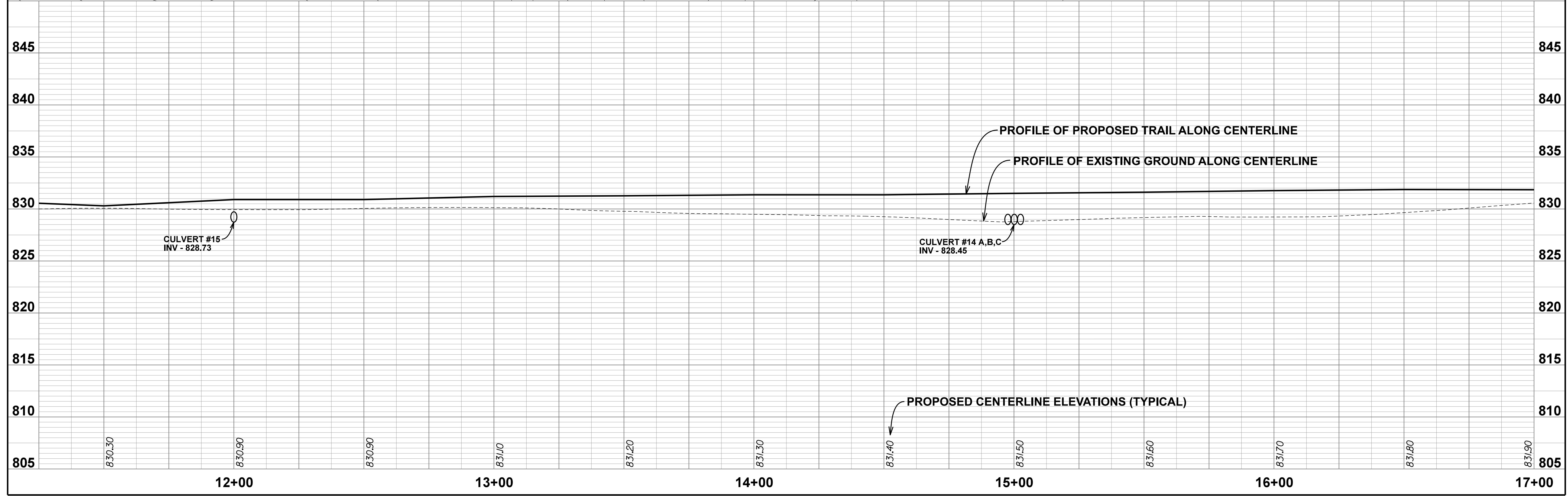
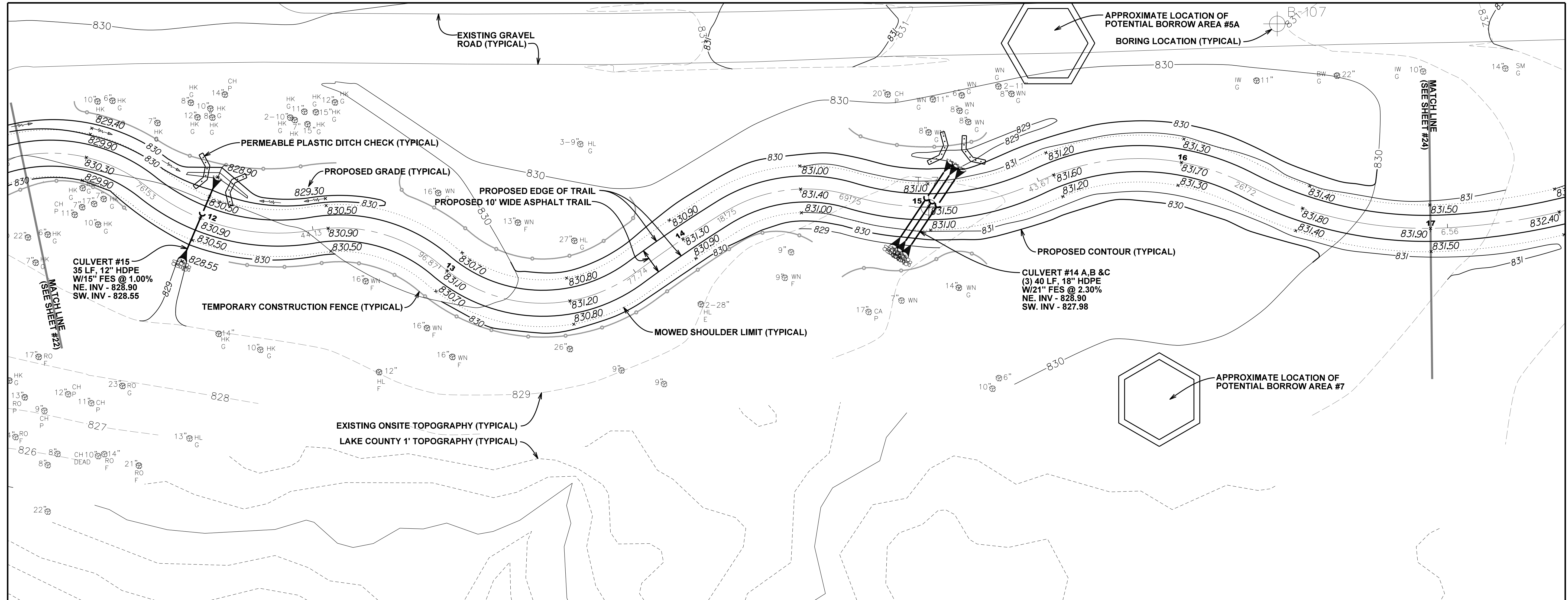
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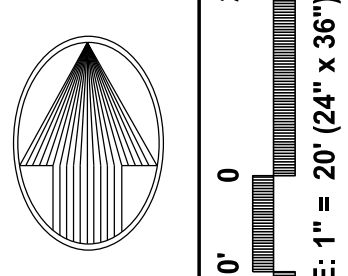
REVISIONS

**ASPHALT LOOP TRAIL
PLAN & PROFILE**

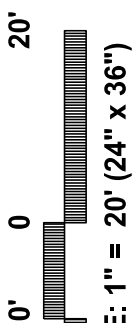
SHEET NUMBER
22
OF 56 SHEETS

JOB No. 2015





NORTH



SCALE: 1" = 40' (11" x 17")

LAKEWOOD FOREST PRESERVE
LAKE COUNTY, ILLINOIS

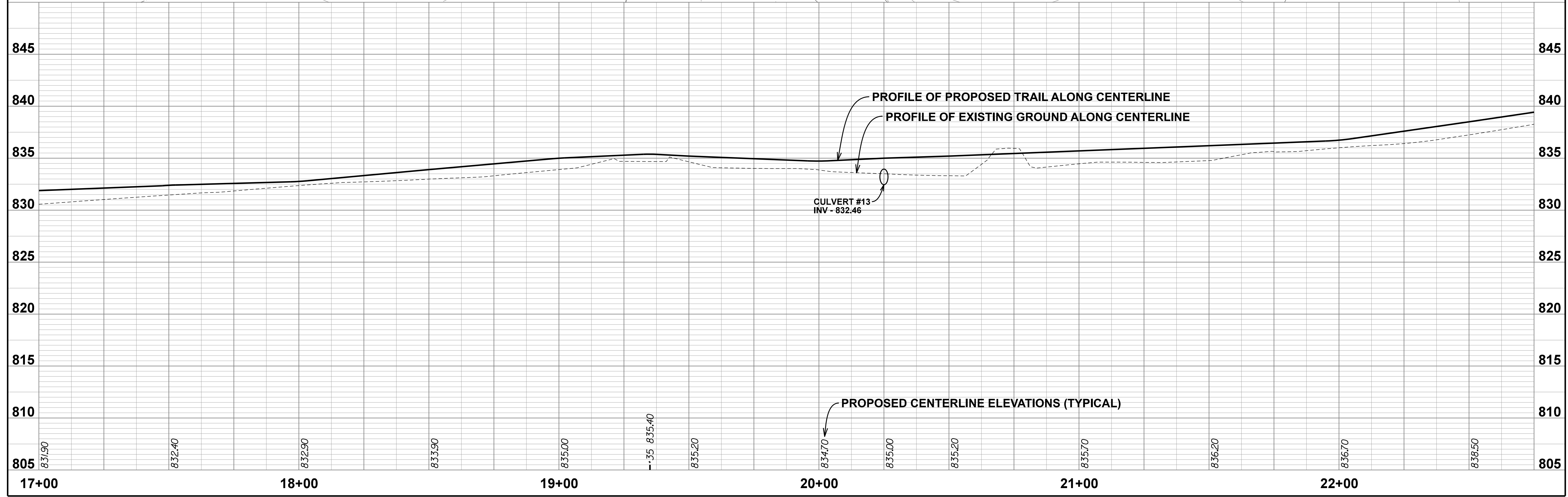
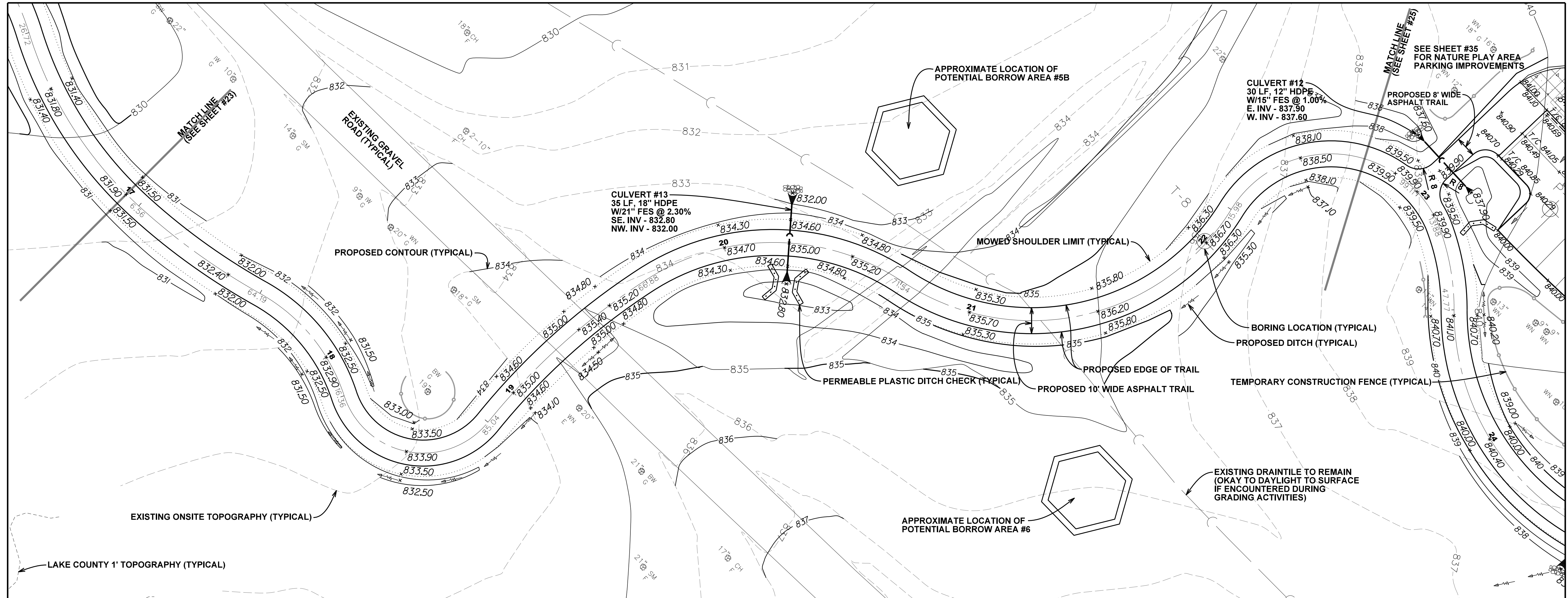
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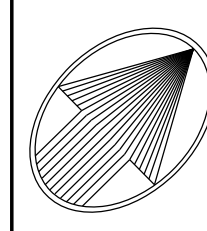
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DATE	BY	DESCRIPTION

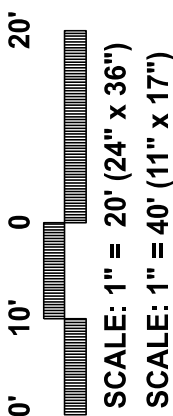
ASPHALT LOOP TRAIL
PLAN & PROFILE

SHEET NUMBER
23
OF 56 SHEETS





NORTH



SCALE: 1" = 20' (24" x 36")
SCALE: 1" = 40' (11" x 17")

LAKELWOOD FOREST PRESERVE
LAKE COUNTY, ILLINOIS

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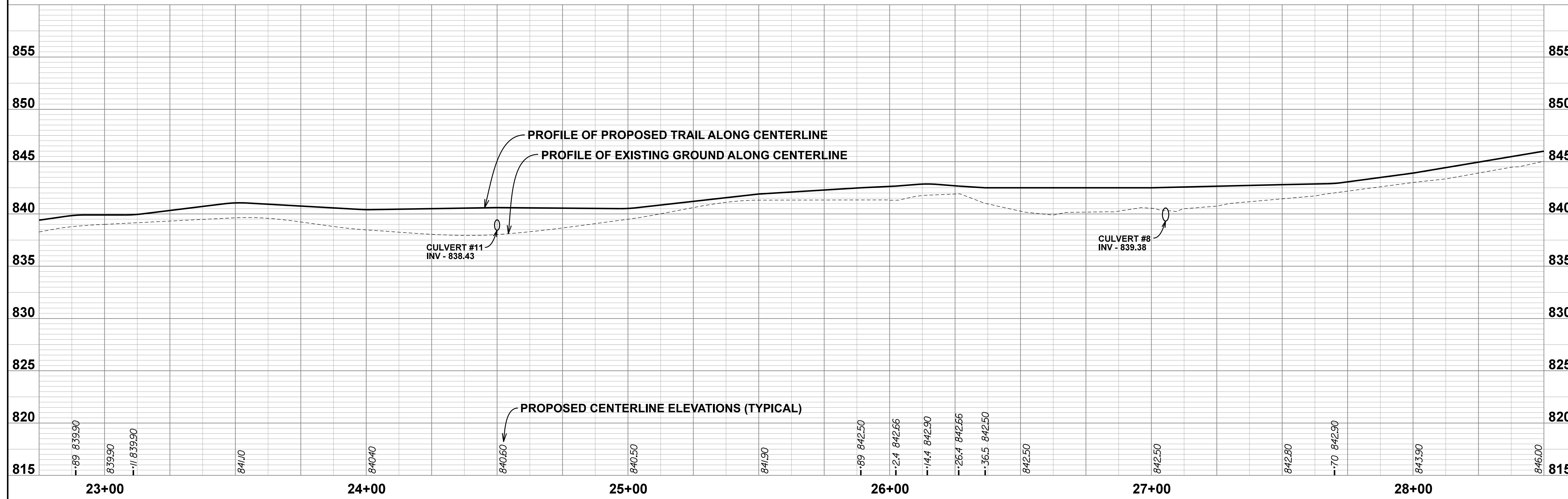
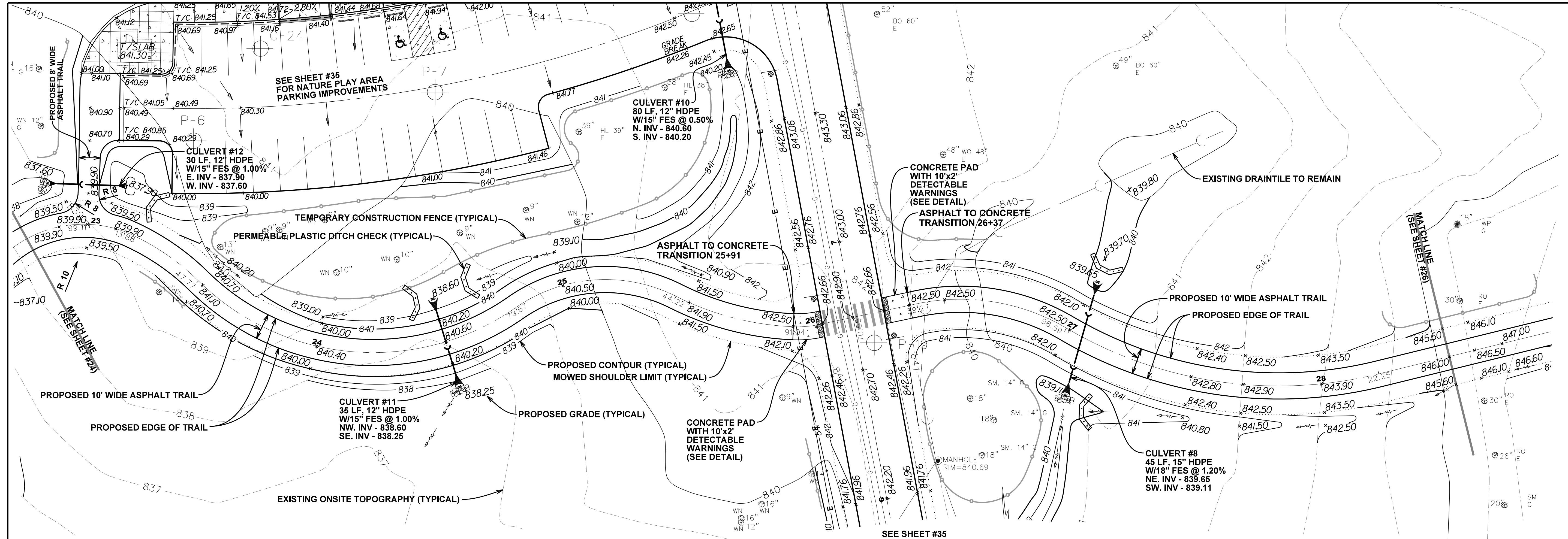
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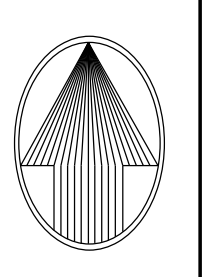
DATE	BY	DESCRIPTION

ASPHALT LOOP TRAIL PLAN & PROFILE

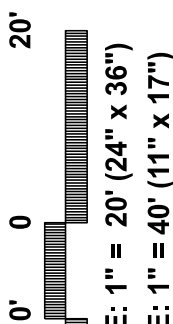
SHEET NUMBER
24
OF 56 SHEETS

JOB No. 2015





NORTH



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LAKE COUNTY, ILLINOIS

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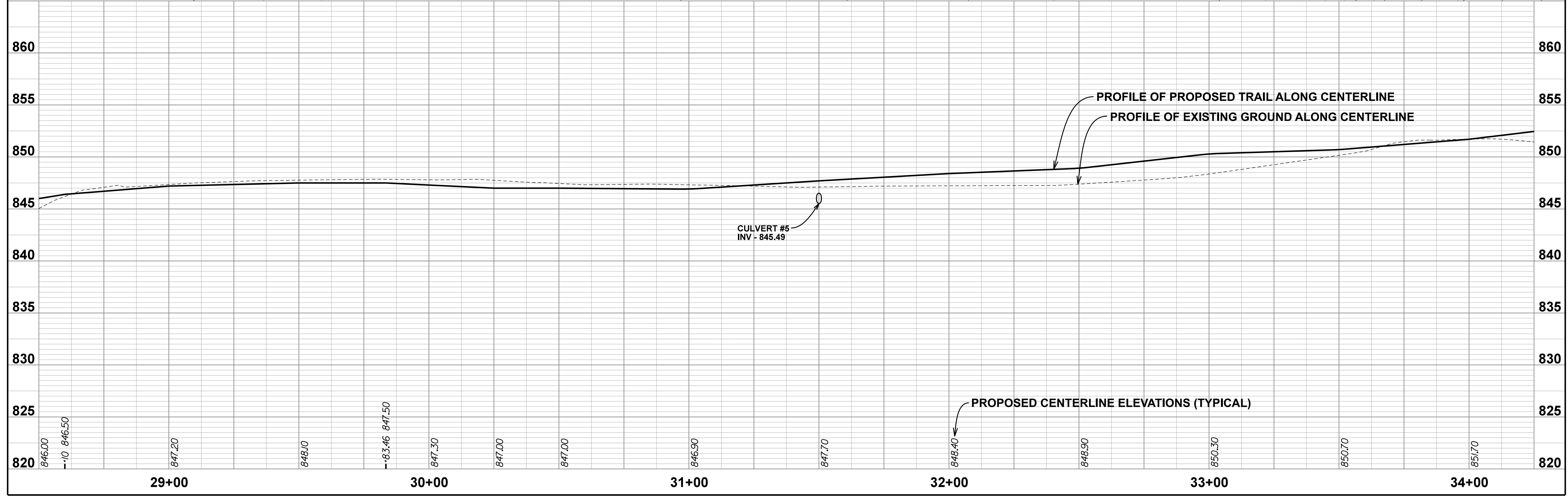
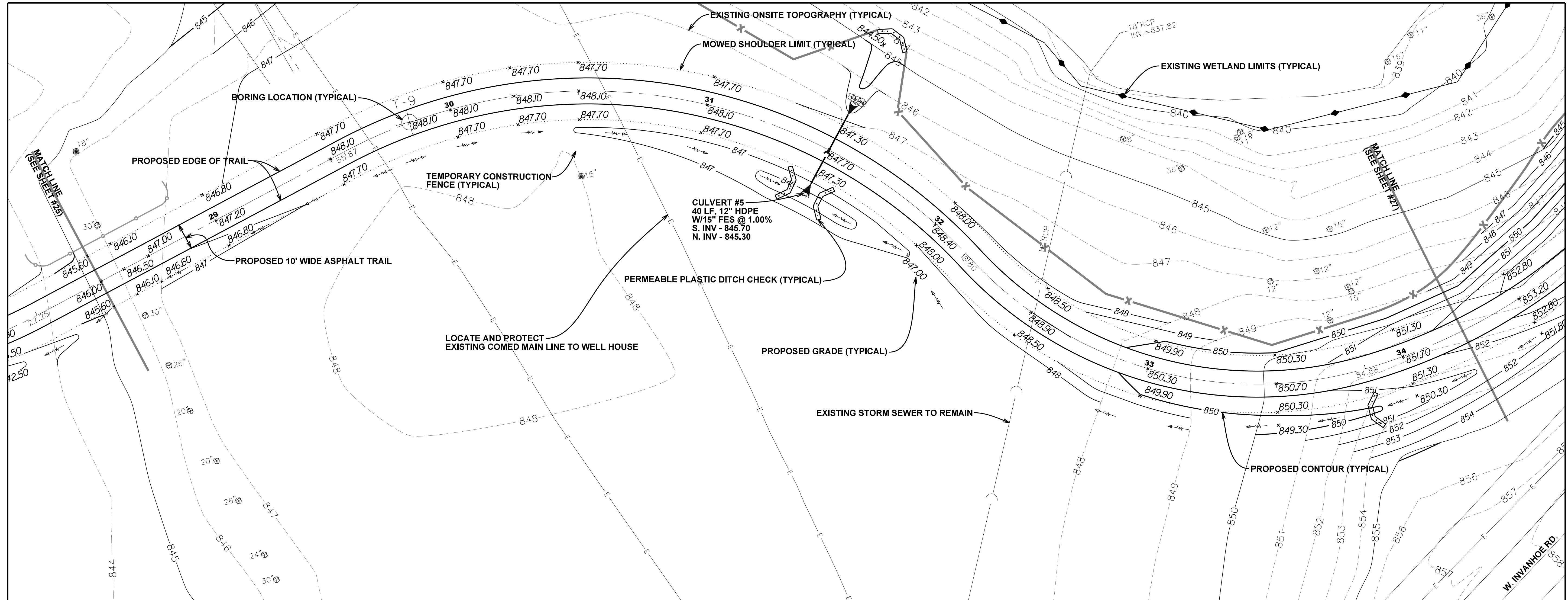
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REVISIONS

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**ASPHALT LOOP TRAIL
PLAN & PROFILE**

SHEET NUMBER
25
OF 56 SHEETS
JOB No. 2005



NORTH

SCALE: 1" = 20' (24" x 36")
SCALE: 1" = 40' (11" x 17")

LAKWOOD FOREST PRESERVE
LAKE COUNTY, ILLINOIS

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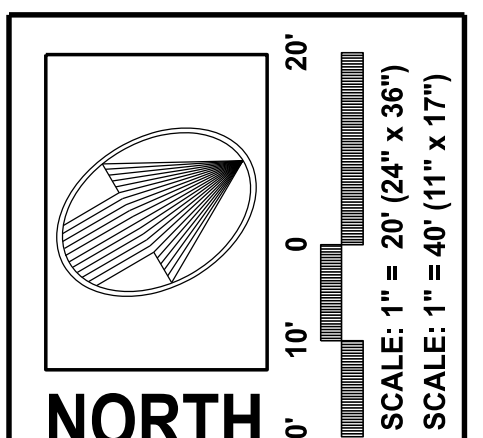
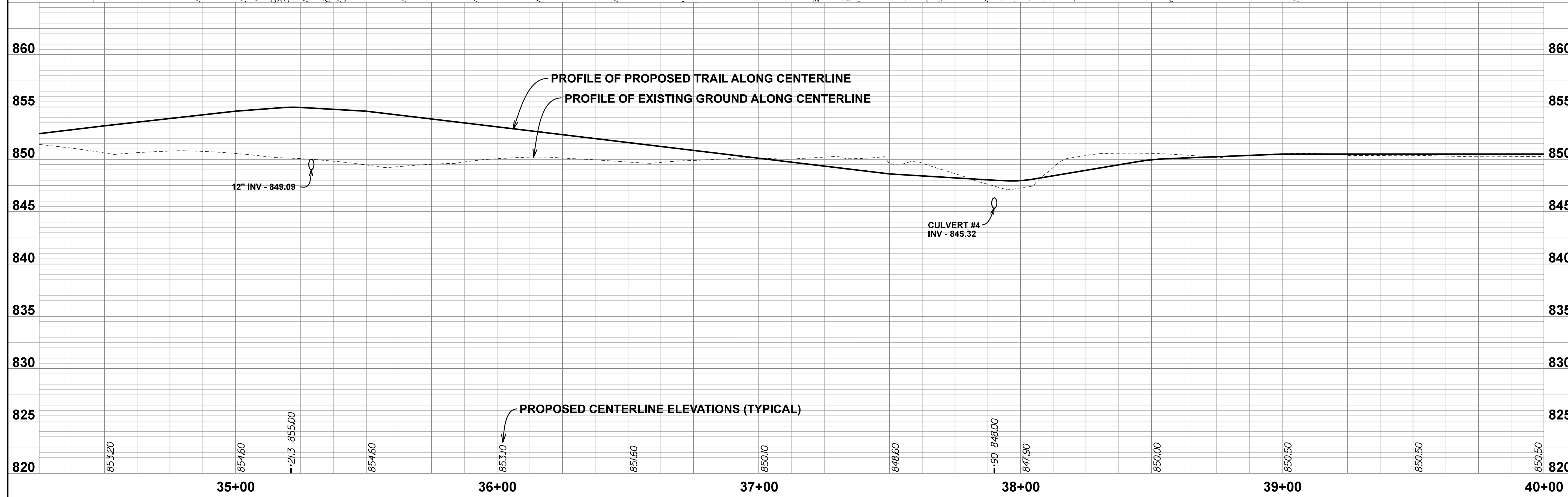
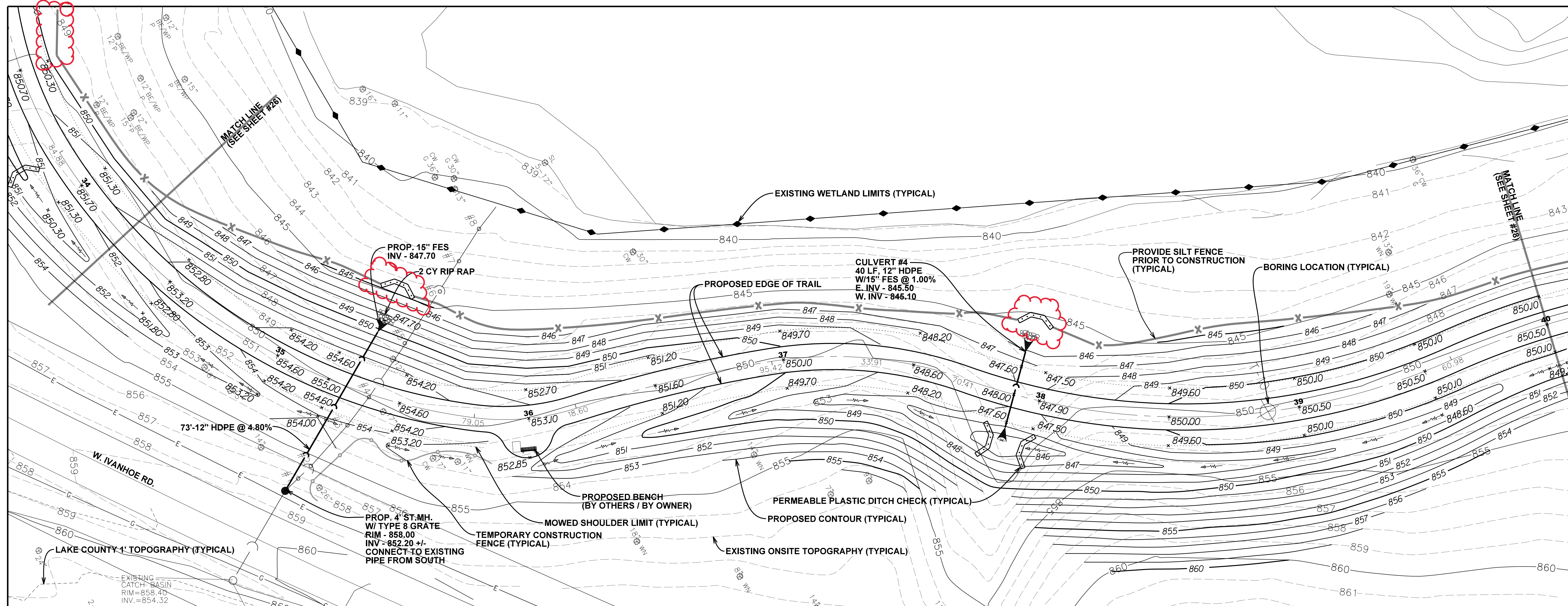
DATE	BY	DESCRIPTION

REVISIONS

ASPHALT LOOP TRAIL PLAN & PROFILE

SHEET NUMBER
26
OF 56 SHEETS

JOB No. 2005



LAKWOOD FOREST PRESERVE
LAKE COUNTY, ILLINOIS

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ORIGINAL ISSUE: 02/24/23

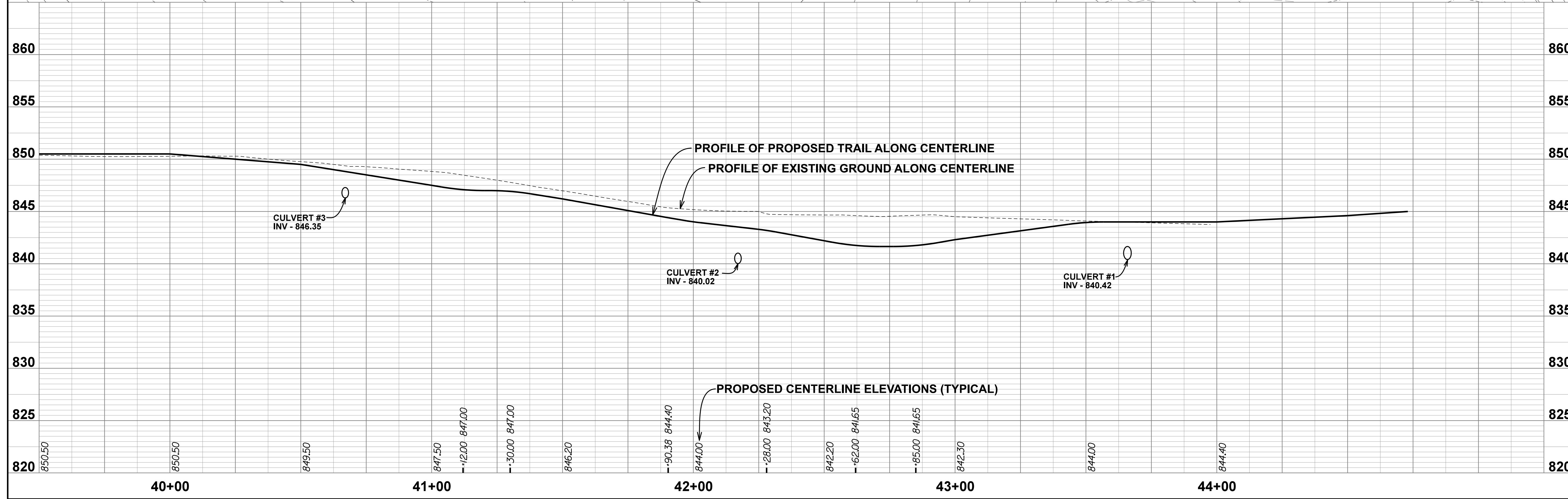
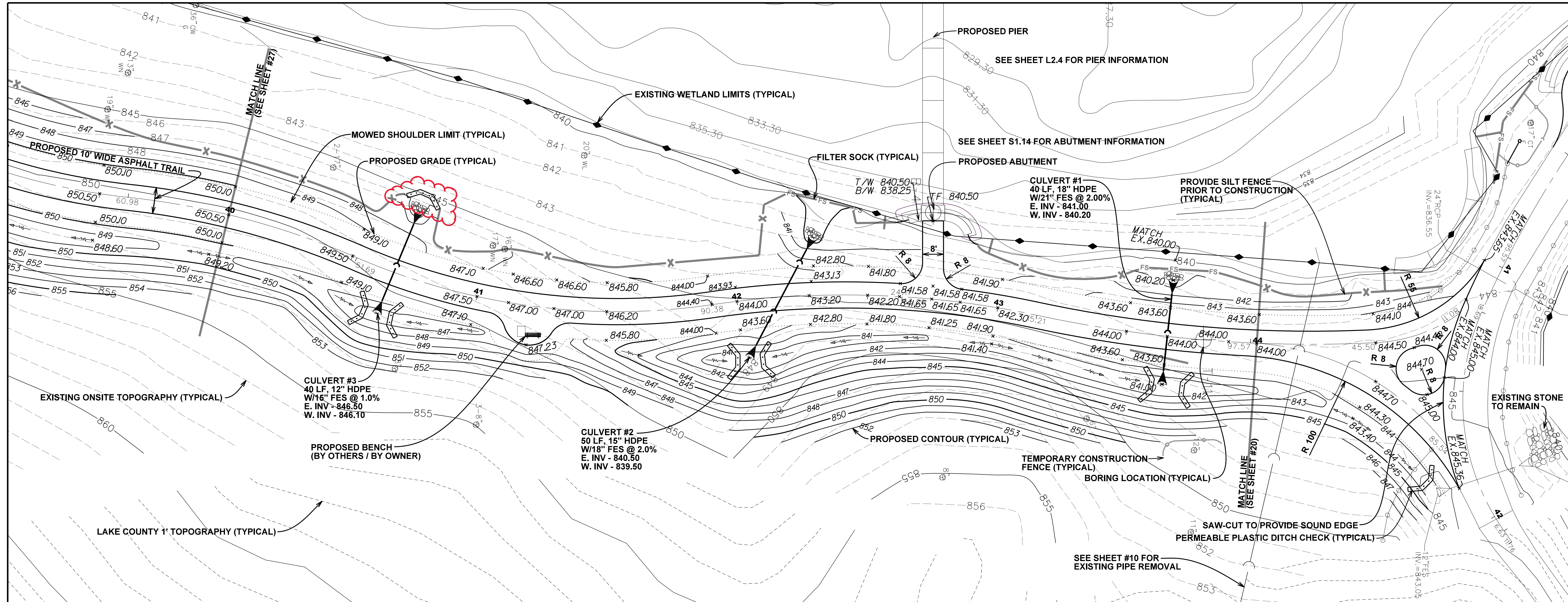
DATE	BY	DESCRIPTION

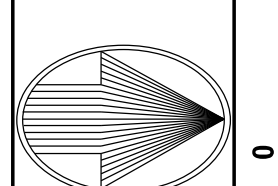
REVISIONS

**ASPHALT LOOP TRAIL
PLAN & PROFILE**

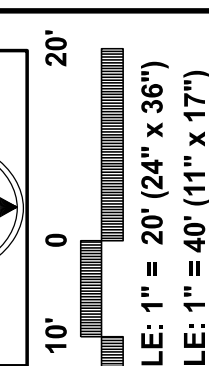
SHEET NUMBER
27
OF 56 SHEETS

JOB No. 2015





NORTH



SCALE: 1" = 40' (11" x 17")

LAKewood FOREST PRESERVE
LAKE COUNTY, ILLINOIS

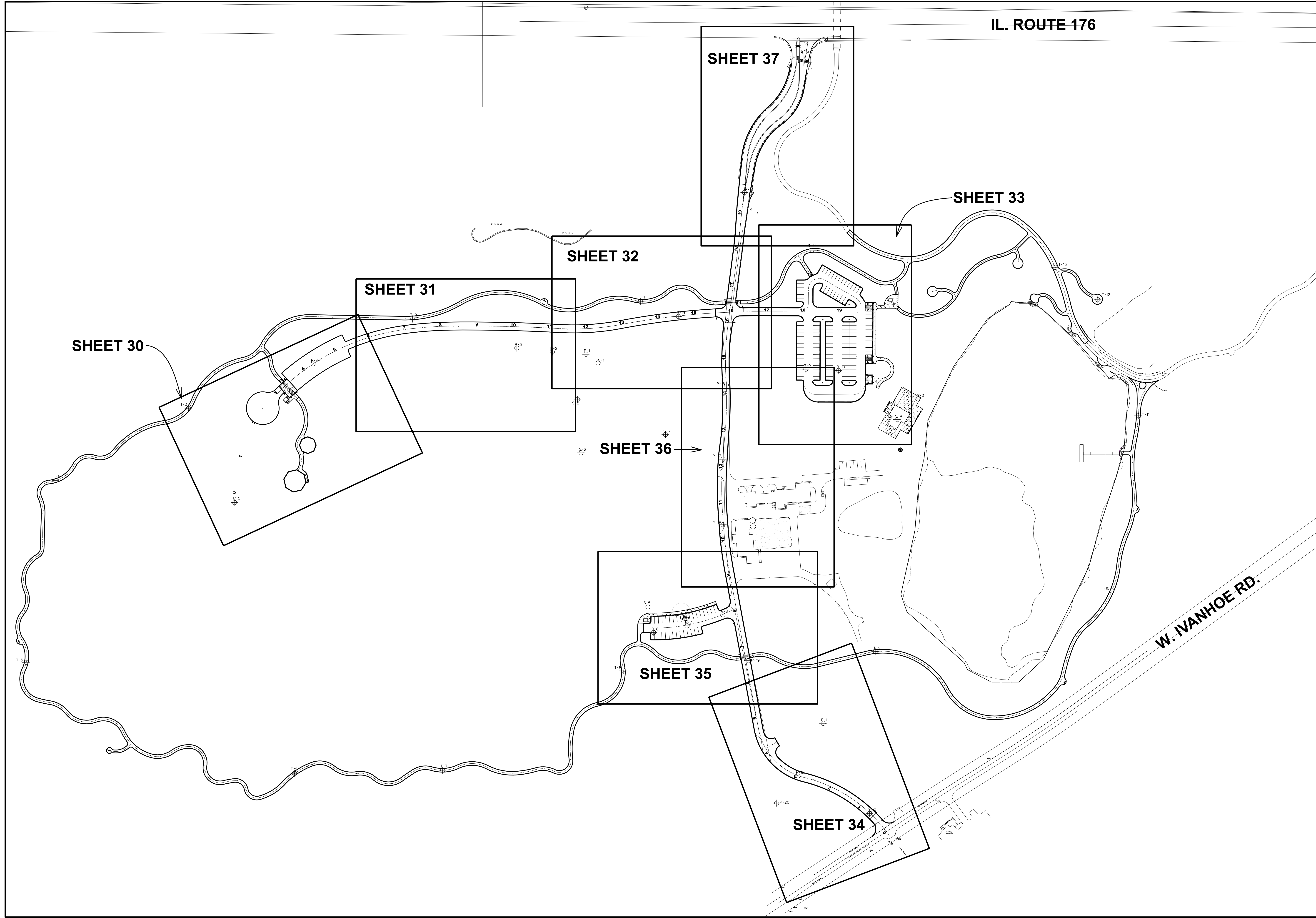
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CHECKED BY: A.K.Z.
ORIGINAL ISSUE: 09/24/23

DATE BY	REVISION	DESCRIPTION
05/23/23 AZ		

**ASPHALT LOOP TRAIL
PLAN & PROFILE**

SHEET NUMBER
28
OF 56 SHEETS
JOB No. 2015



NORTH

SCALE: 1" = 120' (24" x 36")
SCALE: 1" = 240' (11" x 17")

LAKWOOD FOREST PRESERVE
LAKE COUNTY, ILLINOIS

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DATE	BY	DESCRIPTION

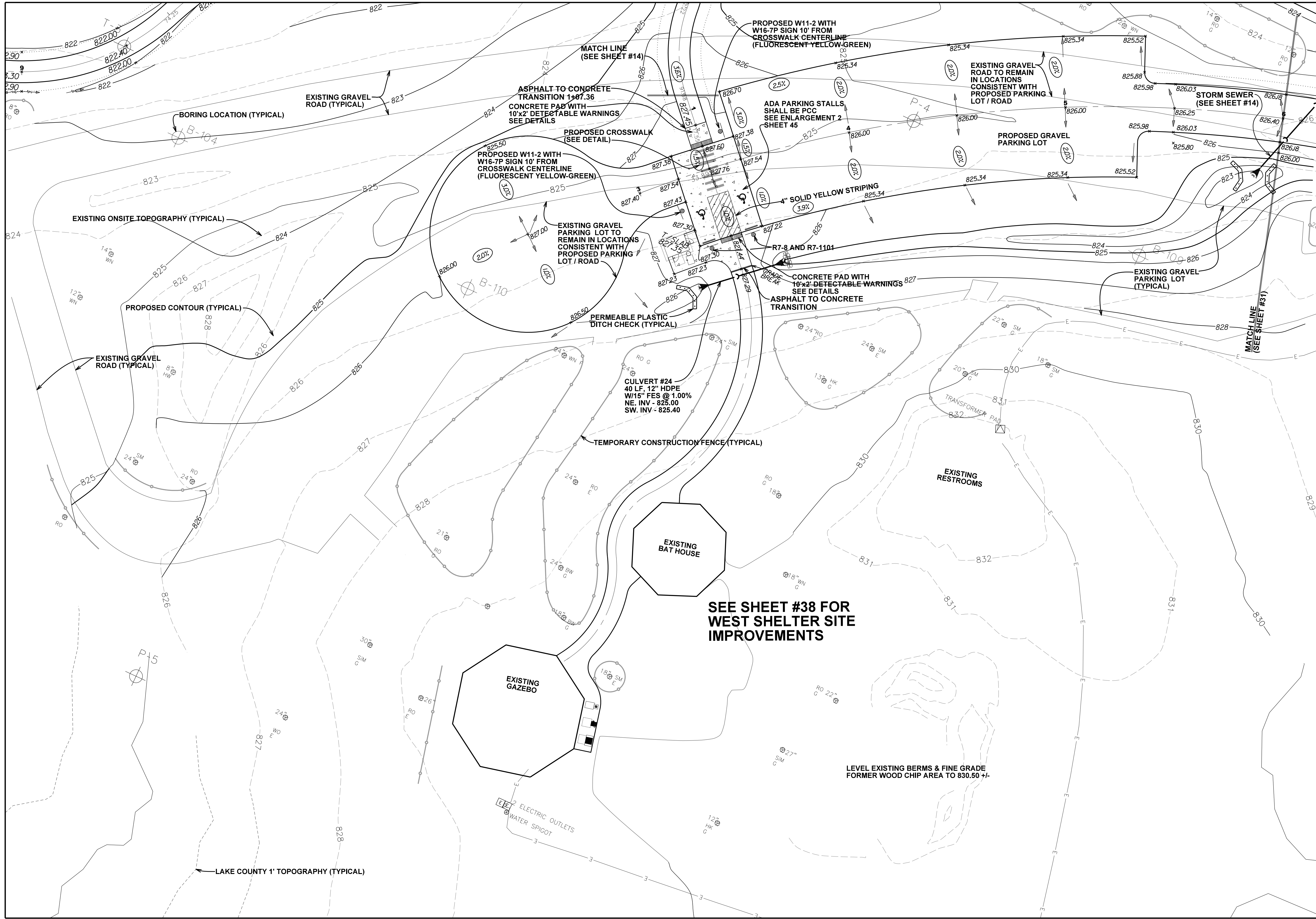
ROADS & PARKING OVERVIEW

REVISIONS

SHEET NUMBER
29

OF 56 SHEETS

JOB No. 2036



WEST PARKING

30

OF 56 SHEETS

REVISIONS

DATE	BY	DESCRIPTION

LAKELWOOD FOREST PRESERVE

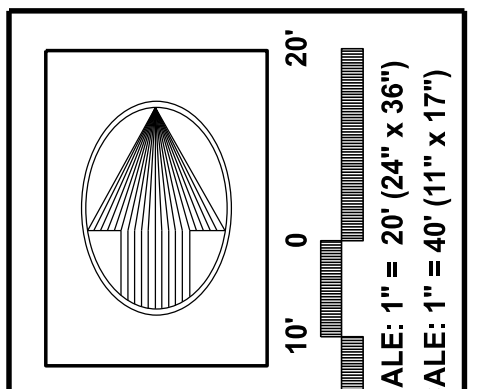
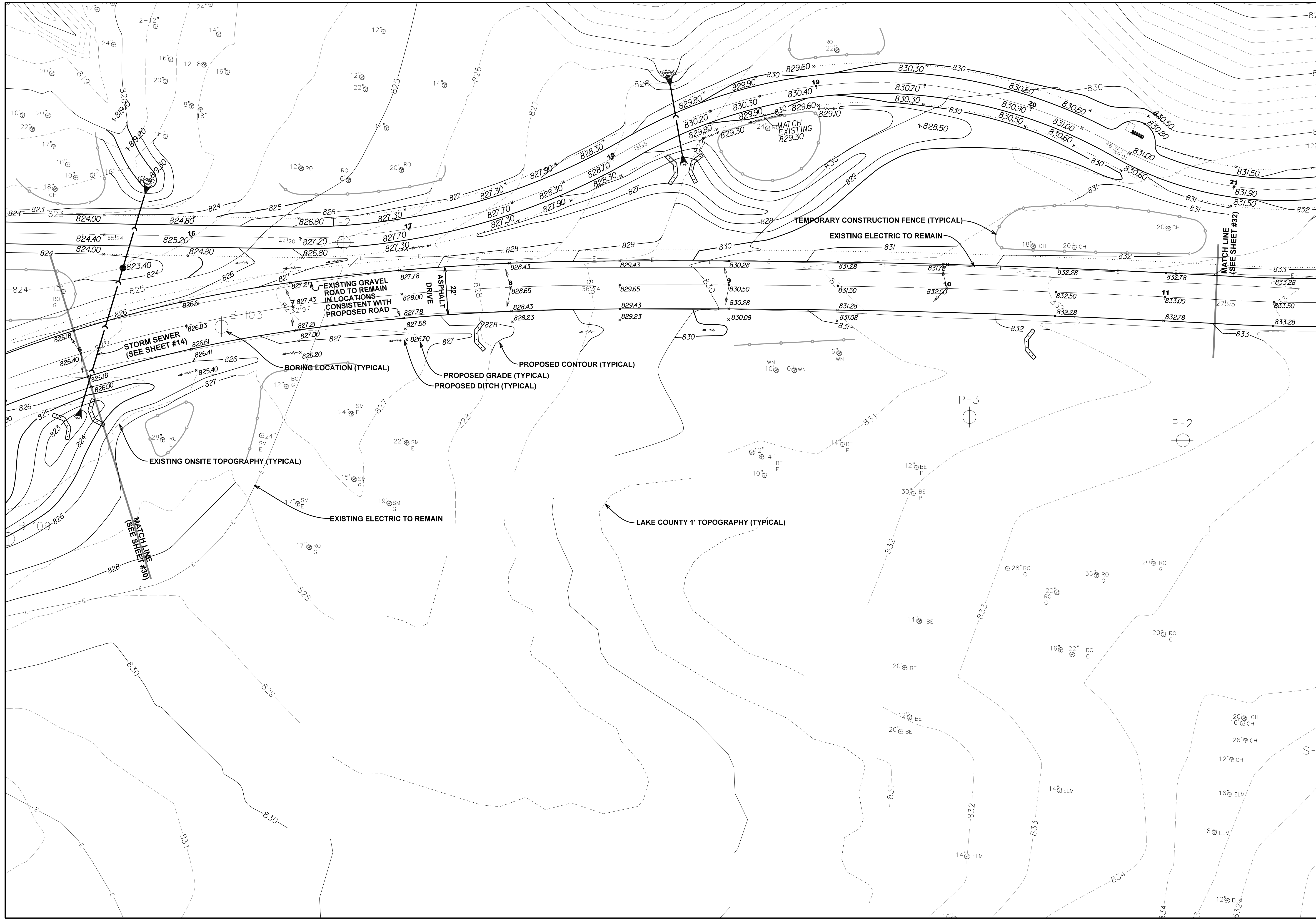
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LAKE COUNTY, ILLINOIS

SCALE: 1" = 20' (24" x 36")
SCALE: 1" = 40' (11" x 17")



NORTH

LAKewood FOREST PRESERVE
LAKE COUNTY, ILLINOIS

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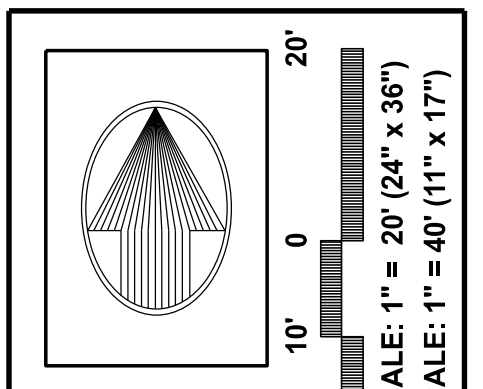
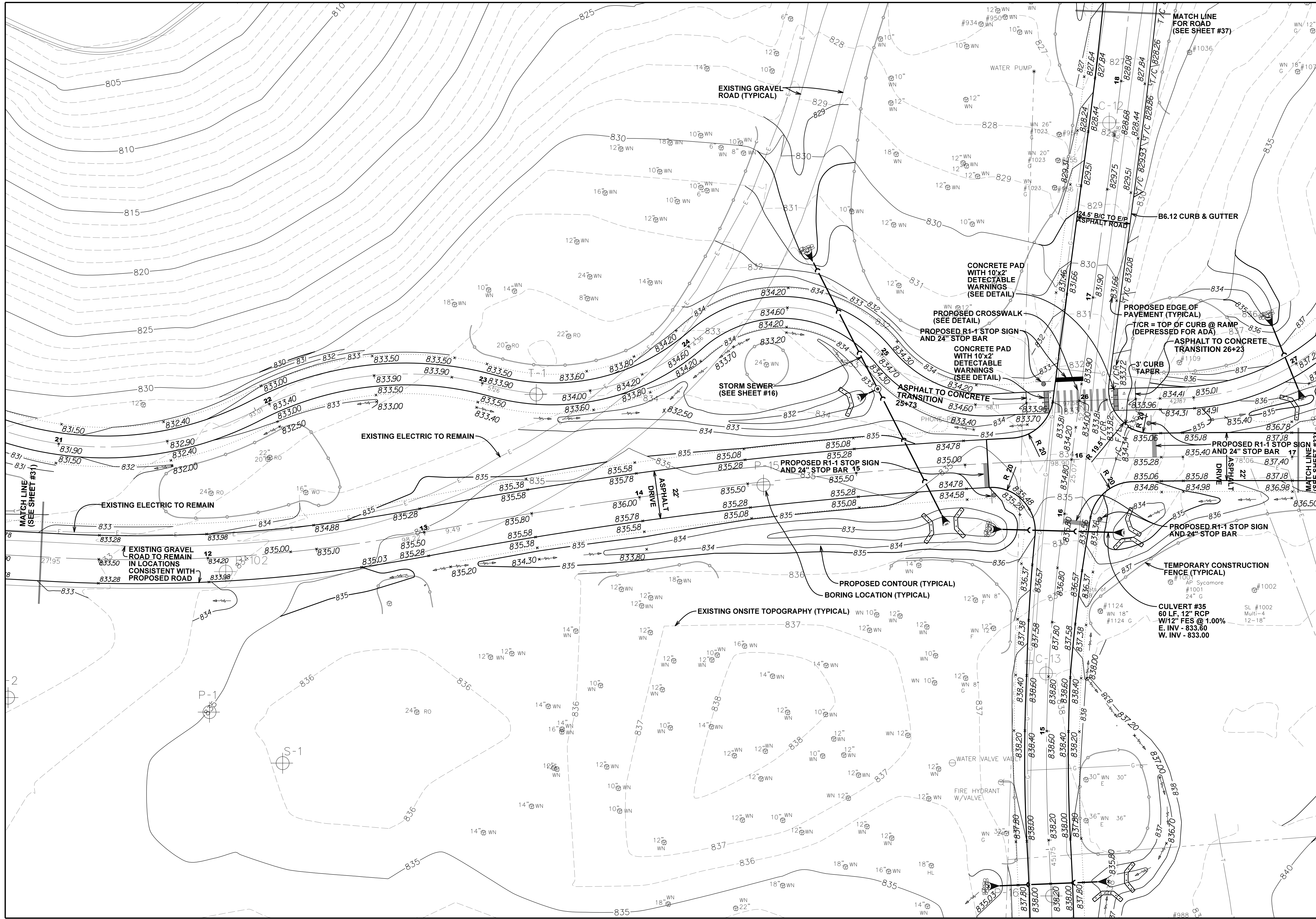
REVISIONS

NO.	DATE	DESCRIPTION

WEST ROAD

SHEET NUMBER
31
OF 56 SHEETS

JOB No. 2005



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LAKWOOD FOREST PRESERVE
LAKE COUNTY, ILLINOIS

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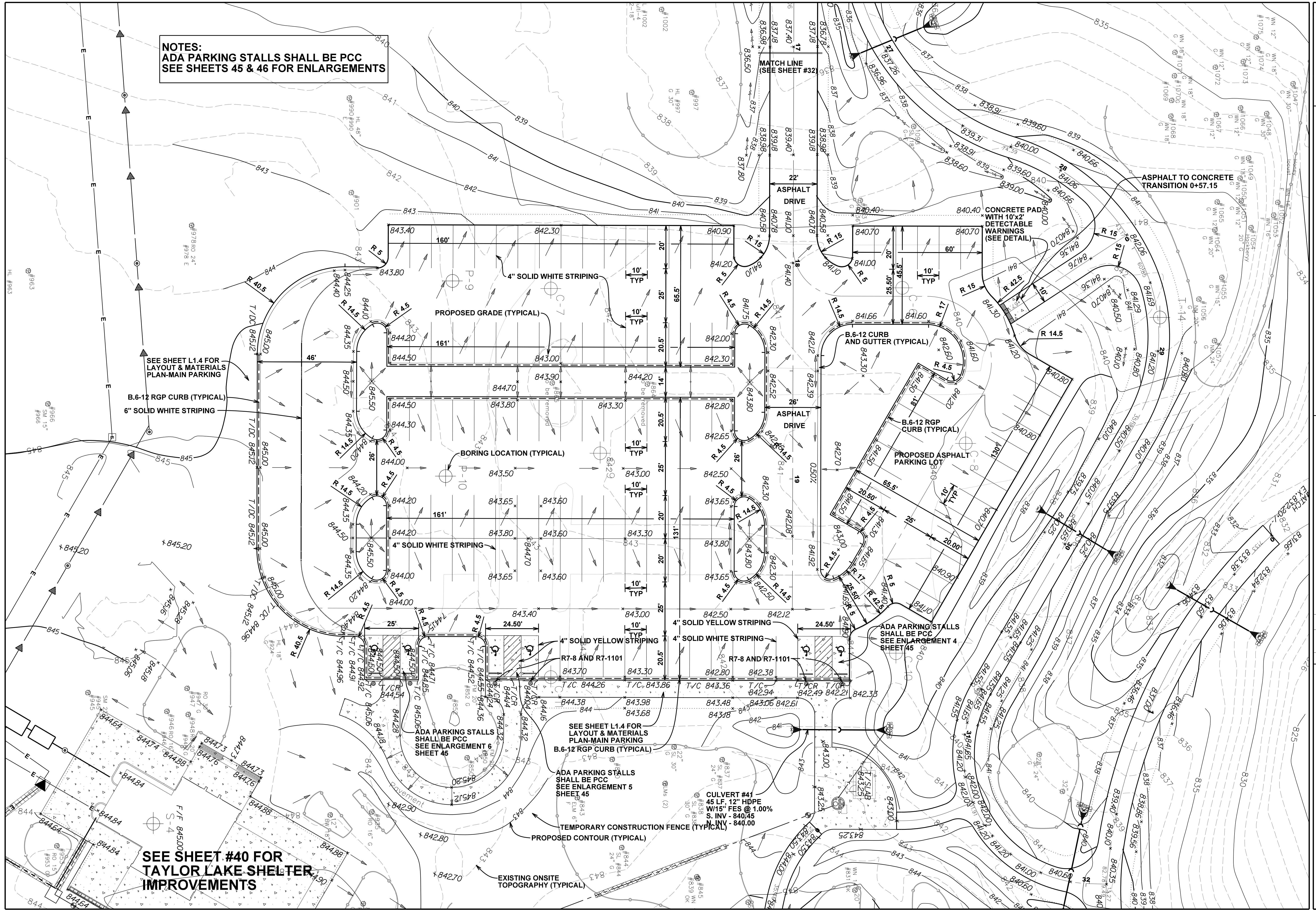
DATE BY

REVISIONS

MAIN ROADS INTERSECTION

SHEET NUMBER
32
OF 56 SHEETS

JOB No. 2035



NOTES:
 ADA PARKING STALLS SHALL BE PCC
 SEE SHEETS 45 & 46 FOR ENLARGEMENTS

SEE SHEET L.1.4 FOR
 LAYOUT & MATERIALS
 PLAN-MAIN PARKING

B.6-12 RGP CURB (TYPICAL)
 6" SOLID WHITE STRIPING

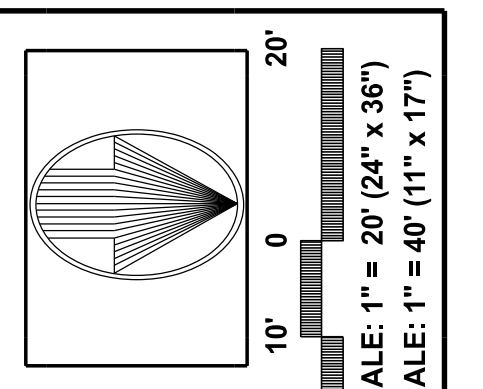
SEE SHEET #40 FOR
 TAYLOR LAKE SHELTER
 IMPROVEMENTS

ADA PARKING STALLS
 SHALL BE PCC
 SEE ENLARGEMENT 6
 SHEET 45

SEE SHEET L.1.4 FOR
 LAYOUT & MATERIALS
 PLAN-MAIN PARKING
 B.6-12 RGP CURB (TYPICAL)

ADA PARKING STALLS
 SHALL BE PCC
 SEE ENLARGEMENT 5
 SHEET 45

ADA PARKING STALLS
 SHALL BE PCC
 SEE ENLARGEMENT 4
 SHEET 45



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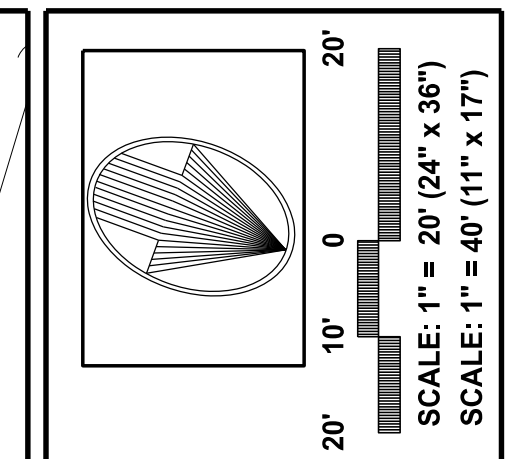
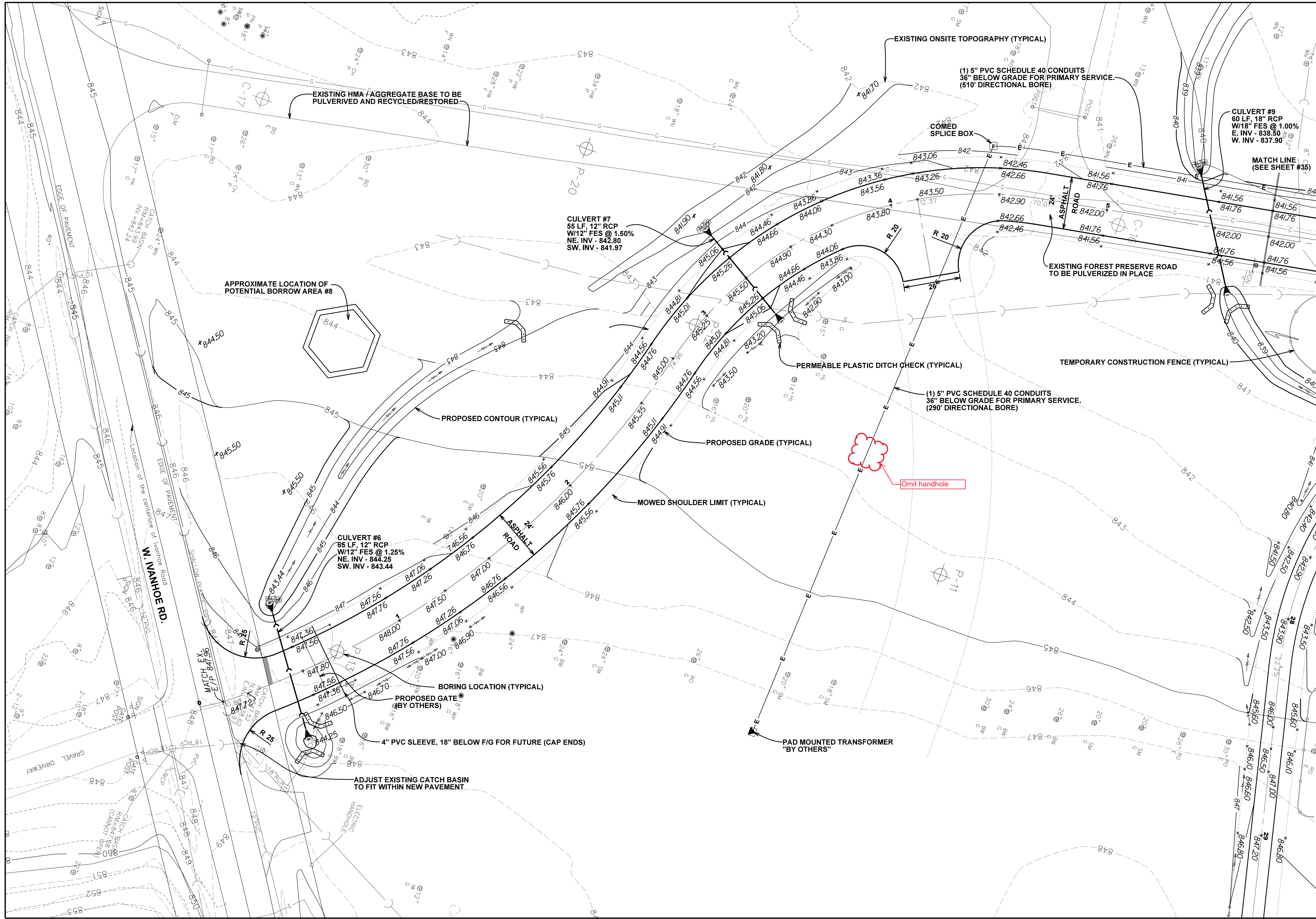
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DATE	BY	DESCRIPTION

MAIN PARKING

SHEET NUMBER
33

OF 56 SHEETS



LAKELWOOD FOREST PRESERVE
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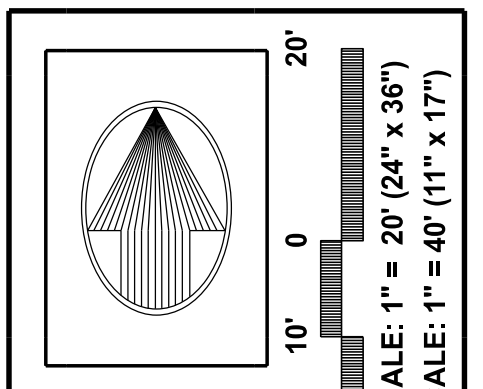
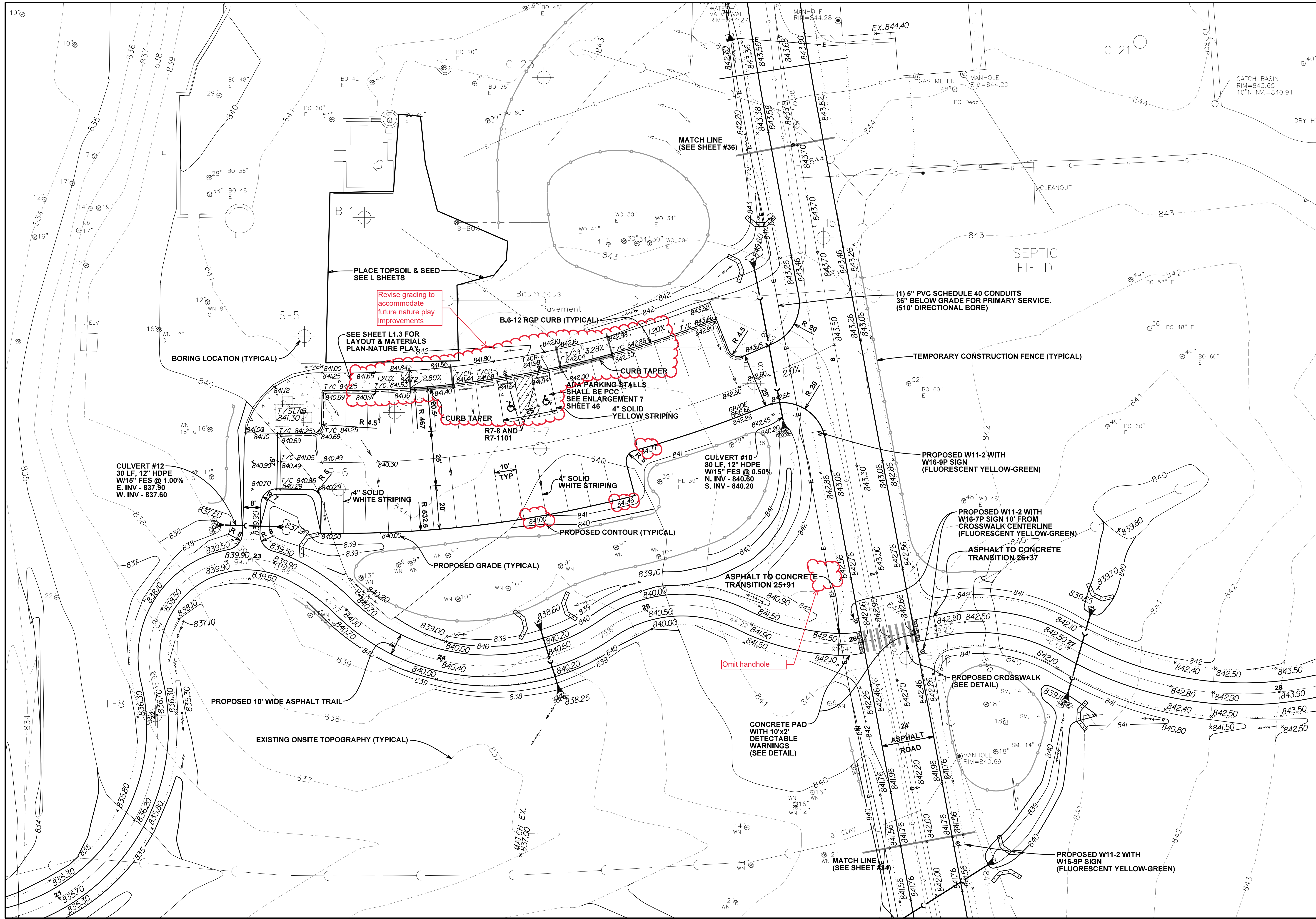
DATE	BY	DESCRIPTION

REVISIONS

FOREST PRESERVE / IVANHOE ROADS

SHEET NUMBER
34
OF 56 SHEETS

JOB No. 2015



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LAKewood FOREST PRESERVE
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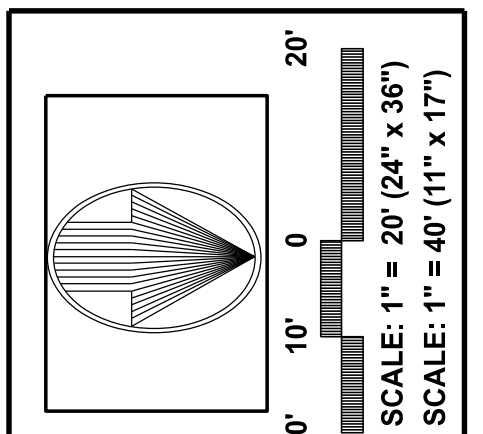
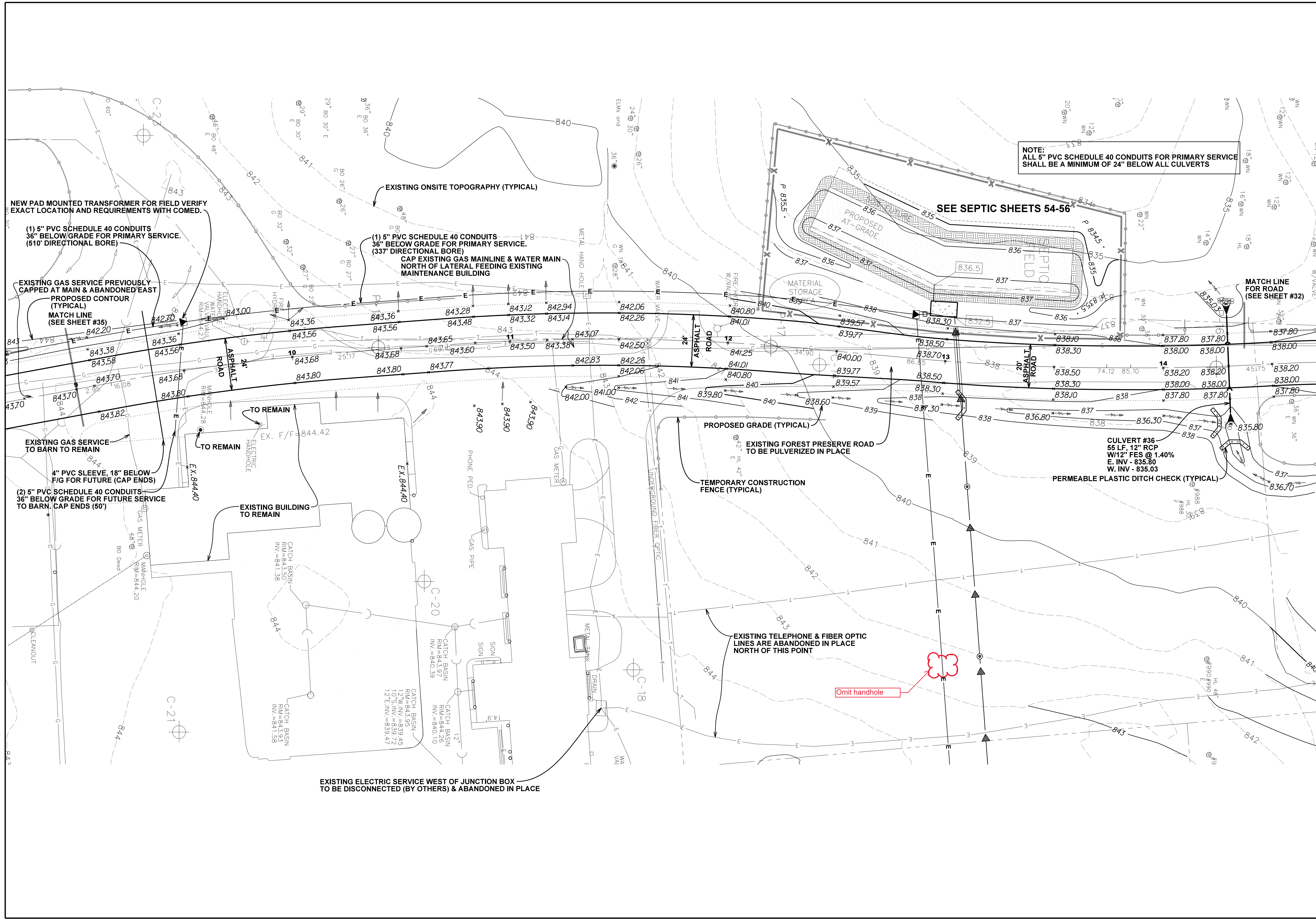
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DATE	DESCRIPTION

REVISIONS

FOREST PRESERVE RD & NATURE PLAY PARKING

SHEET NUMBER
35
 OF 56 SHEETS



LAKELWOOD FOREST PRESERVE
LAKE COUNTY, ILLINOIS

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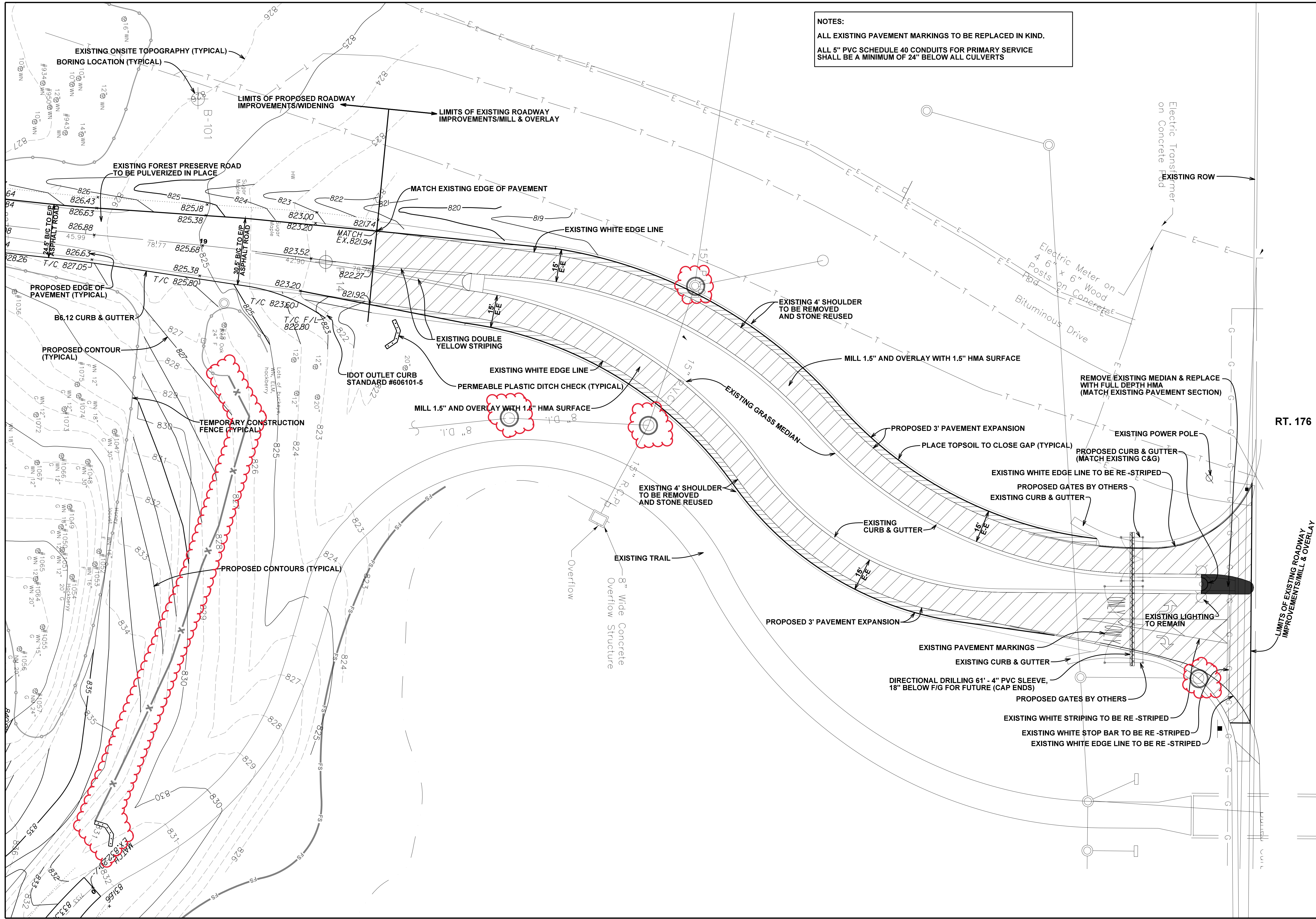
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DATE	BY	DESCRIPTION

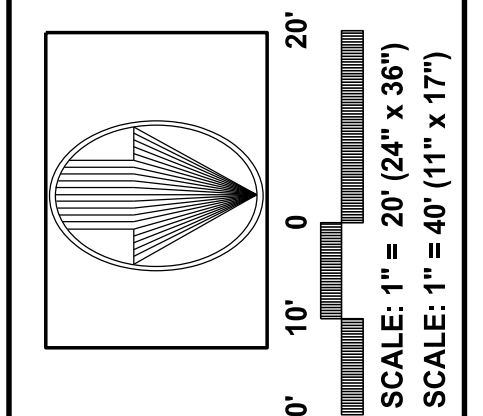
FOREST PRESERVE RD & DAIRY BARN PARKING

SHEET NUMBER
36
OF 56 SHEETS

JOB No. 2035



NOTES:
 ALL EXISTING PAVEMENT MARKINGS TO BE REPLACED IN KIND.
 ALL 5" PVC SCHEDULE 40 CONDUITS FOR PRIMARY SERVICE SHALL BE A MINIMUM OF 24" BELOW ALL CULVERTS



LAKewood FOREST PRESERVE
 LAKE COUNTY, ILLINOIS

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DATE	BY	DESCRIPTION

REVISIONS

MAIN (RT. 176) ENTRY ROAD

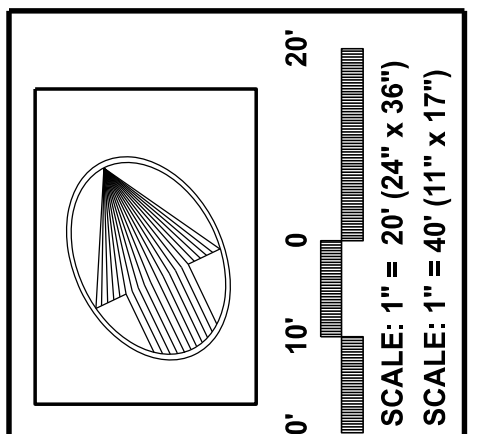
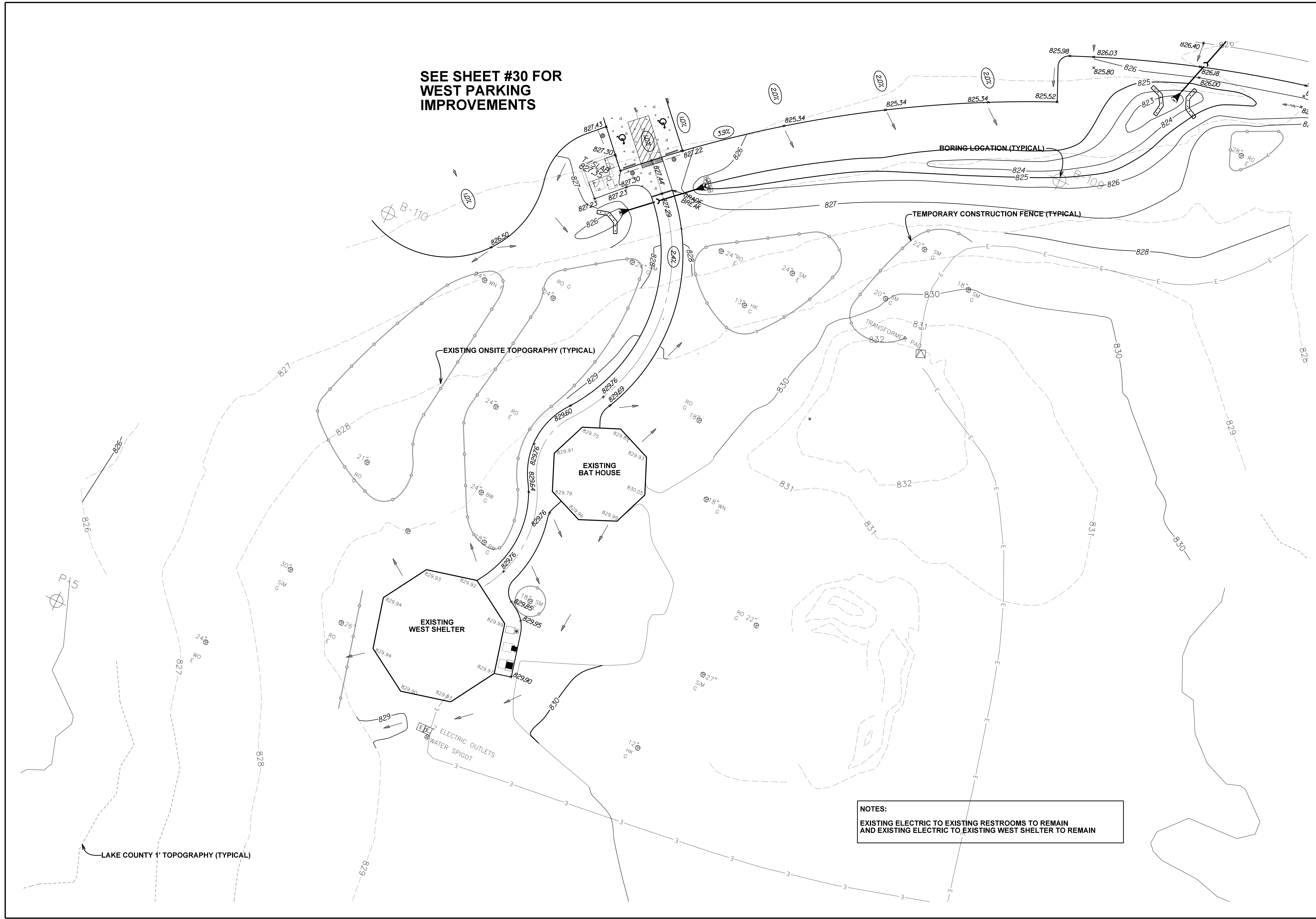
SHEET NUMBER
37

OF 56 SHEETS

JOB No. 2015

RT. 176

LIMITS OF EXISTING ROADWAY IMPROVEMENTS/MILL & OVERLAY



LAKELWOOD FOREST PRESERVE
 LAKE COUNTY, ILLINOIS

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DATE	BY	DESCRIPTION

WEST SHELTER SITE IMPROVEMENTS

REVISIONS

SHEET NUMBER
38
 OF 56 SHEETS

JOB No. 2015

