

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 61K35		

FOR INDEX OF SHEETS, SEE SHEET NO. 2 04-26-2024 LETTING ITEM 210
 FOR LIST OF HIGHWAY STANDARDS SEE SHEET NO. 2

TRAFFIC DATA

ADT:
 THREE OAKS ROAD 10,100 VPD (2023)
 LUTTER DRIVE/SANDS ROAD 2,300 VPD (2023)

	SPEED POSTED	DESIGN SPEED
THREE OAKS ROAD	35 MPH	35 MPH
LUTTER DRIVE/SANDS ROAD	30 MPH	30 MPH

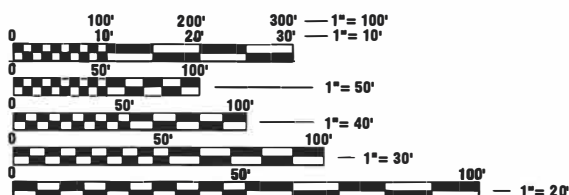
DESIGN DESIGNATION

FAU 4051 (THREE OAKS ROAD) - MINOR ARTERIAL
 (LUTTER DRIVE/SANDS ROAD) - LOCAL STREET



NOAH J. CARMICHAEL
 NO. 062-061190
 EXP. DATE: 11/30/25

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E. SCHAUMBURG, IL



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
 1-800-892-0123 OR 811

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

**FAU 4051 (THREE OAKS ROAD)
 THREE OAKS ROAD IMPROVEMENTS**

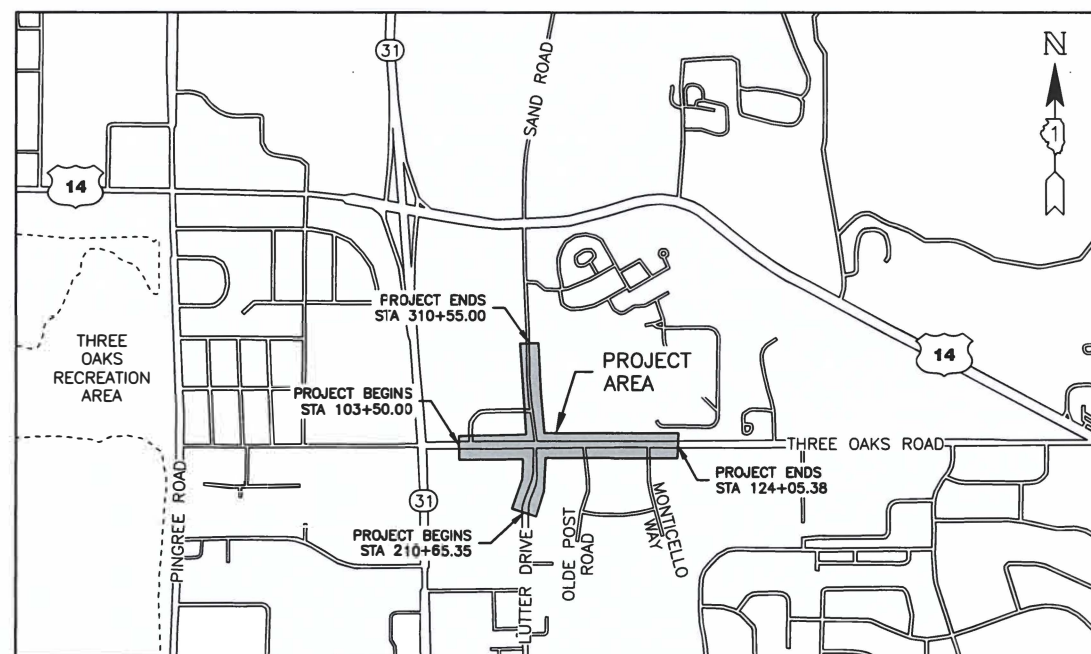
SECTION 22-00134-00-TL

PROJECT NO. XDV1(861)

CITY OF CRYSTAL LAKE

MCHENRY COUNTY

C-91-147-23



LOCATION MAP N.T.S.

GROSS LENGTH (THREE OAKS RD) = 2,055 FEET = 0.39 MILES
 NET LENGTH (THREE OAKS RD) = 2,055 FEET = 0.39 MILES
 GROSS LENGTH (LUTTER DRIVE/SANDS ROAD) = 1,475 FEET = 0.28 MILES
 NET LENGTH (LUTTER DRIVE/SANDS ROAD) = 1,475 FEET = 0.28 MILES

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

Approved: *[Signature]*
 City Engineer
 CITY OF CRYSTAL LAKE

Passed: *[Signature]*
 FEB 22 2024
 DISTRICT ONE ENGINEER OF LOCAL ROADS & STREETS

Releasing for Bid Based on Limited Review: *[Signature]*
 Feb 23 - 2024
 REGIONAL ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

CONTRACT NO. 61K35

PLOT DATE: 2/15/24
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INDEX OF SHEETS	
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2	INDEX OF SHEETS, HIGHWAY STANDARDS, DISTRICT DETAILS
3	GENERAL NOTES
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STATE STANDARDS

STANDARD NO.	LIST OF DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-05	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-06	DEPRESSED CURB FOR SIDEWALKS
424026-03	ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
602001-02	CATCH BASIN, TYPE A
602011-02	CATCH BASIN, TYPE C
602301-04	INLET, TYPE A
602406-11	MANHOLE, TYPE A 6' DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS, TYPE 1
604051-04	FRAME AND GRATE, TYPE 11
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24' (600 mm) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701801-09	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS, AND DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATION OF TYPE A AND B METAL POSTS (FOR SIGNS AND MARKERS)
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKINGS
782006-01	GUARDRAIL AN BARRIER WALL REFLECTOR MOUNTING DETAILS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
814006-03	DOUBLE HANDHOLES
836001-04	LIGHT POLE FOUNDATION
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTIBLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877001-08	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-11	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

DISTRICT ONE STANDARDS

BUREAU OF DESIGN DETAIL STANDARDS	
DETAIL NO.	LIST OF DESCRIPTION
BD02	DRIVEWAY DETAIL - DISTANCE BETWEEN R.O.W. AND FACE OF CURB GREATER THAN 15' (4.5 M)
BD07	STORM SEWER CONNECTION TO EXISTING SEWER
BD08	FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD24	CURB AND GUTTER REMOVAL AND REPLACEMENT
BD32	BUTT JOINTS AND HMA TAPER
BD34	DEPRESSED CURB & GUTTER AND SHOULDER TREATMENT AT T&T TY 1 SPL
BD36	FIRE HYDRANT TO BE MOVED
BD51	BENCHING DETAIL FOR EMBANKMENT WIDENING

BUREAU OF ELECTRICAL DETAIL STANDARDS	
DETAIL NO.	LIST OF DESCRIPTION
BE220	ELECTRIC SERVICE INSTALLATION AERIAL, REMOTE DISCONNECT
BE702	MISCELLANEOUS ELECTRICAL DETAILS, SHEET A -- (CABLE SPUCE, POLE WIRING, TRENCH DETAIL)

BUREAU OF TRAFFIC DETAIL STANDARDS	
DETAIL NO.	LIST OF DESCRIPTION
TC10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC16	SHORT-TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC21	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS
TC22	ARTERIAL ROAD INFORMATION SIGN
TC26	DRIVEWAY ENTRANCE SIGNING
TS02	MAST ARM MOUNTED STREET NAME SIGNS
TS03	HANDHOLE TO INTERCEPT EXISTING CONDUIT
TS05	STANDARD TRAFFIC SIGNAL DESIGN DETAILS (7 SHEETS)
TS08	EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION - MAIN STREET AND CROSS STREET

MODEL: C:\P1\22\122-071_Plan\Print\22-071_Plan.dwg, QTY



USER NAME = BF/YJ	DESIGNED -- VL	REVISED --
DRAWN -- BF/YJ	CHECKED --	REVISED --
PLOT SCALE = AS NOTED	DATE -- 03/01/23	REVISED --
PLOT DATE = 3/20/24		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, SUMMARY OF QUANTITIES,
STANDARD DETAILS

SCALE: AS NOTED SHEET 2 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	2
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

- ALL REFERENCES TO "STANDARD SPECIFICATIONS" IN THESE GENERAL NOTES SHALL BE INTERPRETED TO MEAN "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, JANUARY 1, 2022. THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS ADOPTED JANUARY 1, 2024. ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THE PROJECT.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT 8-1-1 IDOT AT (847) 705-4436 AND THE CITY OF CRYSTAL LAKE (847) 588-7900 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION IS REQUIRED).
- ALL ELEVATIONS SHOWN ON THE PLANS ARE ON THE NAVD88 DATUM.
- THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS, PROPERTY CORNERS, AND REFERENCE MARKERS UNTIL THE OWNER, HIS/HER AGENT, OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
- ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. CURB AND GUTTER ELEVATIONS SHOWN ALONG RETURNS AND AT POINTS OF CURVATURE, ETC. ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- SAW CUTTING WILL BE REQUIRED FOR ALL REMOVAL ITEMS LISTED IN SECTION 440 OF THE STANDARD SPECIFICATIONS, SHOWN IN THE PLANS, AND AS DIRECTED BY THE ENGINEER.
- DRIVEWAYS ARE TO BE CONSTRUCTED TO THE R.O.W. UNLESS OTHERWISE NOTED.
- ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.
- THE ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT, UNLESS OTHERWISE NOTED.
- CURB RAMPS SHALL BE INSTALLED AT ALL INTERSECTING STREETS AND DRIVEWAYS PER CURRENT IDOT STANDARDS AT LOCATIONS WHERE SIDEWALK IS SHOWN ON THE PLAN.
- CONTRACTOR SHALL BE ALLOWED TO SET UP A FIELD OFFICE AT A LOCATION APPROVED BY THE CITY OF CRYSTAL LAKE.
- THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXEL TRUCK.
- ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER.
- AGGREGATE SUBGRADE IMPROVEMENT (CU.YD.) HAS BEEN PROVIDED FOR USE AT THE LOCATION INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT (CU.YD.) WILL BE IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOIL SHOULD BE TESTED WITH A STATIC AND/OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC STANDARD AND CURRENT IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOIL ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED.
- EXISTING VEGETATED AREAS (TREES, SHRUBS, VEGETATIVE BUFFERS, TURF AREAS, ETC.) WHERE DISTURBANCE IS NOT OCCURRING (INCLUDING AREAS OUTSIDE THE PROJECT LIMITS) SHALL NOT BE DISTURBED TO ENSURE THAT EXISTING VEGETATION IS PRESERVED HEALTHY TO MINIMIZE SOIL EROSION AND TO ELIMINATE SOIL COMPACTION. NO MATERIALS ARE TO BE STORED OR VEHICLES DRIVEN OR PARKED WITHIN THESE UNDISTURBED AREAS AT ANY TIME.

STORM SEWERS WATER MAINS AND UTILITIES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.
- THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MIGHT NOT BE SHOWN ON THE PLANS. ANY UTILITY PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER BY THE CONTRACTOR.
- ALL UTILITY COMPANIES SHALL BE NOTIFIED AT LEAST 3 DAYS PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF CRYSTAL LAKE IF ANY UTILITY IMPROVEMENTS ARE REQUIRED BY THE CITY WITHIN THE DURATION OF THE CONTRACT.
- OFFSET LOCATIONS GIVEN IN THE PLANS FOR STRUCTURES, EDGE OF PAVEMENT, ETC. ARE FROM THE ROADWAY CENTERLINE.
- FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL NEW, ADJUSTED OR RECONSTRUCTED STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE.
- WHERE NEW WORK MEETS EXISTING FEATURES TO REMAIN, FIELD CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH CONSTRUCTION. NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- ALL FRAMES, GRATES, LIDS, AND BOXES SCHEDULED TO BE REMOVED FROM EXISTING STRUCTURES SHALL REMAIN THE PROPERTY AND BE DELIVERED TO THE CITY OF CRYSTAL LAKE, AS APPLICABLE.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS.
- CONTRACTOR SHALL MAINTAIN THE CONVEYANCE OF ALL FLOWS DURING CONSTRUCTION OF THIS PROJECT. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE AND PUBLIC DRAINS, SEWERS, CULVERTS, AND OTHER DRAINAGE FACILITIES. THE CONTRACTOR SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THE SAME. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME THAT THE PERMANENT CONNECTIONS WITH SEWERS OR CULVERTS ARE BUILT AND IN SERVICE.

STORM SEWERS WATER MAINS AND UTILITIES CONTINUATION

- ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED AS PART OF THE CONTRACT FOR CONSTRUCTION, ADJUSTMENT OR RECONSTRUCTION OF ANY MANHOLE, CATCH BASIN, INLET, VALVE VAULT OR METER VAULT SHALL HAVE CAST INTO THE LID ONE OF THE FOLLOWING WORDS: ALL LIDS TO BE USED ON WATER STRUCTURES SHALL BEAR THE WORD "CITY OF CRYSTAL LAKE WATER." ALL LIDS TO BE USED ON STORM SEWER STRUCTURES SHALL BEAR THE WORD "CITY OF CRYSTAL LAKE STORM." ALL LIDS TO BE USED ON SANITARY SYSTEM STRUCTURES SHALL BEAR THE WORD "CITY OF CRYSTAL LAKE SANITARY". REFER TO THE CITY OF CRYSTAL LAKE DETAILS FOR ORDERING INFORMATION OR CONTACT THE DEPARTMENT OF PUBLIC WORKS.
- ONLY PRECAST CONCRETE ADJUSTMENT RINGS, MAXIMUM OF 12" IN HEIGHT, WILL BE ALLOWED IN THE ADJUSTMENT OR RECONSTRUCTION OF CATCH BASIN, MANHOLE, INLET AND VALVE VAULT STRUCTURES. COMMON BRICK WILL NOT BE ALLOWED.
- THE INDISCRIMINATE USE OF FIRE HYDRANTS OR EXISTING STREAMS, CREEKS, WETLANDS OR PONDS IS STRICTLY PROHIBITED. THE CONTRACTOR SHALL PROVIDE A WATER TRUCK AND DRIVER AS REQUIRED TO OBTAIN AND TRANSPORT THE WATER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WATER FROM AN APPROVED SOURCE. IF THIS WATER IS FROM A SOURCE OTHER THAN HIS/HER YARD, WRITTEN APPROVAL FROM THE AGENCY HAVING JURISDICTION FOR THE SOURCE OF THE WATER MUST BE RECEIVED BY THE ENGINEER PRIOR TO USE OF THE WATER.
- PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER.
- A FLEXIBLE RUBBER BOOT THAT MEETS ASTM C923 IS REQUIRED FOR ALL CONNECTIONS. BOOTS ARE REQUIRED FOR STORM SEWERS IN COMBINED AREAS AND SANITARY SEWER IN ALL AREAS.
- ALL WATER MAIN AND WATER MAIN QUALITY STORM SEWER SHALL BE DUCTILE IRON CLASS 52 CONFORMING TO ANSI/AWWA C151/A21.51-09, AND ALL DUCTILE IRON FITTINGS SHALL CONFORM TO ANSI/AWA C153/A21.53 WITH MECHANICAL JOINT GASKETS.
- ALL WATER MAIN BOLTED CONNECTIONS SHALL BE TORQUED TO THE MANUFACTURER'S SPECIFICATION. THE CONTRACTOR SHALL VERIFY THE MANUFACTURER'S SPECIFICATION WITH AN APPROVED TORQUE WRENCH.
- THRUST BLOCKING OR MEGA-LUGS WITH MEGA-BOND COATING SHALL BE INSTALLED ON WATER MAINS AT ALL BENDS, TEES, ELBOWS, ETC. EXCEPT 45-DEGREE VERTICAL BENDS IN WATER MAIN (THESE SHALL BE RESTRAINED WITH MEGA-LUG).
- WHEN SPECIFIED, DUCTILE IRON PIPE SHALL BE ENCASED IN POLYETHYLENE AND SHALL CONFORM WITH ANSI/AWWA C105/A21.10 - 10 AND ASTM A674-10.
- MINIMUM COVER FROM FINISHED GRADE TO TOP OF WATER MAIN SHALL BE SIX (6) FEET; MAXIMUM COVER SHALL BE EIGHT (8) FEET.
- ALL WATER MAINS SHALL BE SUBJECTED TO A PRESSURE TEST AND A SEPARATE LEAKAGE TEST AT SYSTEM PRESSURE FOR 24 HOURS BY THE CONTRACTOR. HYDROSTATIC PRESSURE TEST AND LEAKAGE TEST SHALL BE BASED ON 125 PSI FOR TWO (2) HOURS. WATER MAINS SHALL BE CHLORINATED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS.

BACKFILL

- PROVIDE TRENCH BACKFILL FOR ALL UTILITY LINES WITHIN 2' OF PAVED AREAS. BACK FILLING STORM AND SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART.550.07 (b,c) OF THE STANDARD SPECIFICATIONS WILL NOT BE ALLOWED.

SIGNING AND STRIPING

- TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS THE ENGINEER SHALL CONTACT WALTER CZARNY, AREA TRAFFIC FIELD ENGINEER, AT WALTER.CZARNY@ILLINOIS.GOV.
- SEE IDOT STANDARD DETAIL 780001, DISTRICT ONE DETAILS AND PLAN SHEETS FOR PAVEMENT MARKING DETAILS.
- SIGNS SHALL NOT BE MOVED OR COVERED UNTIL PROGRESS OF WORK NECESSITATES IT.
- IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS, THE CONTRACTOR WILL BE REQUIRED TO TEMPORARILY RESET ALL SUCH SIGNS THAT INTERFERE WITH HIS/HER CONSTRUCTION OPERATIONS. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING AND MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER AND BE VISIBLE TO THE TRAFFIC FOR WHICH IT IS INTENDED.
- LONGER POSTS MAY BE REQUIRED AT SOME TEMPORARY OR PERMANENT SIGN LOCATIONS TO MAINTAIN PROPER SIGN ELEVATIONS. THIS WORK SHALL BE COMPLETED IN ACCORDANCE WITH SECTION 729 OF THE STANDARD SPECIFICATIONS.
- ALL SIGNS SHALL BE INSTALLED IN PERMANENT LOCATIONS AS THE ROADWAY IS COMPLETED. ALL SIGNS TO BE REMOVED SHALL REMAIN THE PROPERTY OF THE CITY OF CRYSTAL LAKE AND SHALL BE RETURNED TO THE CITY. SIGNS TEMPORARILY RELOCATED OR COVERED SHALL NOT BECOME THE PROPERTY OF THE CITY UNTIL PERMANENTLY REMOVED.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

EARTHWORK

- SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS BEFORE REMOVAL OF ANY UNSTABLE MATERIAL.
- PRIOR TO ANY EMBANKMENT PLACEMENT, ALL VEGETATION AND UNSTABLE MATERIAL SHOULD BE REMOVED TO DEPTH ENCOUNTERED AND REPLACED WITH SUITABLE EMBANKMENT MATERIAL AS APPROVED BY THE ENGINEER.

TRAFFIC CONTROL

- SEE TRAFFIC CONTROL PLANS FOR GENERAL NOTES CONCERNING TRAFFIC CONTROL AND PROTECTION.

COMMITMENTS

- TREES THREE (3) INCHES IN DIAMETER OR GREATER AT BREAST HEIGHT SHALL NOT BE CLEARED FROM APRIL 1ST THROUGH SEPTEMBER 30TH OF ANY GIVEN YEAR.

TRAFFIC SIGNALS

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.
- IF THIS CONTRACT REQUIRES THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS/HER OWN EXPENSE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES PRIOR TO PERFORMING ANY WORK. IF THIS CONTRACT DOES NOT REQUIRE THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR MAY REQUEST ONE FREE LOCATE FOR EXISTING IDOT ELECTRICAL FACILITIES FROM THE DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR PRIOR TO THE START OF ANY WORK. ADDITIONAL REQUESTS MAY BE AT THE EXPENSE OF THE CONTRACTOR. THE LOCATION OF UNDERGROUND TRAFFIC FACILITIES DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.
- THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR UNDERGROUND AND OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL NOTIFY THE AREA ENGINEER, THE RESIDENT ENGINEER AND ANY IMPACTED UTILITY COMPANY OF THE CONFLICT AND SHALL COORDINATE AND RESOLVE THE ISSUE PRIOR TO ORDERING MATERIALS, AND PRIOR TO POURING FOUNDATIONS.
- RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT ETC., SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250, RESPECTIVELY.
- LOCATIONS WITH PEDESTRIAN EQUIPMENT HAVE BEEN DESIGNED TO BE ADA COMPLIANT. ANY DEVIATION FROM THE PLANS FOR TRAFFIC SIGNAL MAST ARM/POSTS THAT HAVE PEDESTRIAN EQUIPMENT WILL HAVE TO BE APPROVED BY THE ENGINEER AS COORDINATED WITH THE CITY OF CRYSTAL LAKE.

SEDIMENTATION AND EROSION CONTROL

- SEE EROSION CONTROL PLANS FOR GENERAL NOTES CONCERNING EROSION CONTROL.

MODEL: C30\22-071_Plan.dwg, GEN NOTES 1



USER NAME =BF/YJ	DESIGNED -- VL	REVISED --
PLOT SCALE = AS NOTED	DRAWN -- BF/YJ	REVISED --
PLOT DATE = 2/15/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

SCALE: AS NOTED SHEET 3 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	3
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				

ABBREVIATIONS

<	ANGLE
ABC	AGGREGATE BASE COURSE
ACI	ACRE(S)
ACI	AMERICAN CONCRETE INSTITUTE
AGR	AGGREGATE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ALT	ALTERNATE
ARCH	ARCHITECT
ASPH	ASPHALT
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS
B	BALL VALVE
BFP	BACKFLOW PREVENTER
BIT	BITUMINOUS
BLDG	BUILDING
BLK	BLOCKING
BM	BENCHMARK
BOT	BOTTOM
BSMT	BASEMENT
BV	BUTTERFLY VALVE
B-B	BACK-TO-BACK OF CURB DIMENSION
CL or C	CENTERLINE
C to C	CENTER TO CENTER
C & G	CURB AND GUTTER
CF	CUBIC FEET
CHD	CHORD LENGTH
CI	CAST IRON PIPE
CHK	CHECK VALVE
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CTY	COUNTY
CONC	CONCRETE
CONT	CONTINUOUS
C-B	CENTERLINE TO BACK OF CURB DIMENSION
COORD	COORDINATE
CU	COPPER PIPING
CTRS	CENTERS
CY	CUBIC YARDS
CS	CORPORATION STOP
D	DEGREE OF CURVE
DEP	DEPRESSED
DET	DETAIL
DIAG	DIAGONAL
DIM	DIMENSION
DI	DUCTILE IRON PIPE
DN	DOWN
DNSTR	DOWNSTREAM
DP	DRAINAGE PIPE/STORM PIPE
DWG	DRAWING
E	EAST
EJ	EXPANSION JOINT
EL	ELEVATION
EP	EDGE OF PAVEMENT
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
EW	EACH WAY
EXP	EXPANSION
EX, EXIST	EXISTING
EXT	EXTERIOR
E =	EXTERNAL DISTANCE
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIELD ENTRANCE
FF	FINISH FLOOR
FIL	FILLET
FIN	FINISH
FL	FLOW LINE
FLR	FLOOR
FM	FORCE MAIN
FND	FOUND
FRMG	FRAMING
FTG	FOOTING
F-F	FACE TO FACE
GA	GAUGE
GI	GALVANIZED IRON PIPE
GRD	GRADE
GRS	GRATING SUPPORT
GRT	GROUT
GV	GAS VALVE
GYP	GYPSUM
HSE	HOUSE
HC	HORIZONTAL CURVE
HMA	HOT MIX ASPHALT
HNGR	HANGER
HORIZ	HORIZONTAL
H.P.	HIGH POINT
HW	HOT WATER
HWH	HOT WATER HEATER
I	INTERIOR
ID	INSIDE DIAMETER
INT	INTERIOR
INV	INVERT ELEVATION; BASED ON BENCH MARK DATUM
IP	IRON PIPE
JST	JOIST
L	LENGTH OF CURVE
LAT	LATERAL
LAV	LAVATORY
LF	LINEAL FEET
L.P.	LOW POINT
LT	LEFT OF SURVEY BASE LINE
MAX	MAXIMUM
ME	MATCH EXISTING
MH	MANHOLE
MIN	MINIMUM
MJ	MECHANICAL JOINT
MTL	METAL
N	NORTH
No. or #	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OO	OUTSIDE TO OUTSIDE
OPNG	OPENING
OPP	OPPOSITE
PC	POINT OF CURVATURE
PCC	PORTLAND CEMENT CONCRETE
PCF	POUNDS PER CUBIC FOOT
PDP	PERFORATED DRAIN PIPE

PE	POLYETHYLENE PIPE
PI	POINT OF INTERSECTION
PL	PLATE
PLG	PLUG VALVE
PLP	POLYPROPYLENE PIPE
PLYWD	PLYWOOD
PM	PRINCIPAL MERIDIAN
PR	PRESSURE REGULATORS
PRC	POINT OF REVERSE CURVATURE
PRESS	PRESSURE
PR, PROP	PROPOSED
PRV	PRESSURE REDUCING VALVE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSL	PIPE SLEEVE
PT	POINT OF TANGENCY
PLG	PLUG VALVE
PVC	POLYVINYL CHLORIDE (PLASTIC) PIPE
R	RADIUS
RDCR	REDUCER
RCCP	REINFORCED CONCRETE CYLINDER PIPE
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
REINF	REINFORCING
REQD	REQUIRED
ROW	RIGHT OF WAY
RFT	RAFTER
RND	ROUND
RMR	RAILROAD
RRSP	RAILROAD SPIKE
RT	RIGHT
R&R	REMOVE AND REPLACE
S	SOUTH
SB	STREAM BED
SCHED	SCHEDULE
SEC	SECTION
SF	SQUARE FEET
SHR	SHOWER
SHT	SHEET
SHTG	SHEATHING
SP	SANITARY PIPE
SPA	SPACING OR SPACES
SPEC	SPECIFICATION
SQ	SQUARE
SS	SANITARY SERVICE
STA	STATION
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURAL
SW	SIDEWALK
SY	SQUARE YARDS
SYM	SYMMETRICAL
TAN	TANGENT LENGTH
TBC	TOP BACK OF CURB
TBM	TEMPORARY BENCH MARK; BASED ON BENCHMARK DATUM
TD	TILE DRAIN
THK	THICK
TR	TREAD
TY	TYPE
TYP	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
UP	UTILITY POLE
UPSTR	UPSTREAM
UR	URINAL
USGS	US GEOLOGICAL SURVEY
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VERT	VERTICAL
VOL	VOLUME
VPC	VERTICAL POINT OF CURVATURE
VPI	VERTICAL POINT OF INTERSECTION
VPRC	VERTICAL POINT OF REVERSE CURVATURE
VPT	VERTICAL POINT OF TANGENCY
W	WEST
WC	WATER CLOSET
WF	WIDE FLANGE
WM	WATER MAIN
WMQ	WATER MAIN QUALITY
WV	WATER VALVE
WGT	WEIGHT
WP	WEATHER PROOF
WS	WATER SERVICE
WWF	WELDED WIRE FABRIC
W	WITH
W/O	WITHOUT
XP	EXPLOSION PROOF

HATCH PATTERNS

	EARTH - FILL		BRICK
	EARTH - UNDISTURBED		STEEL
	ROCK (GEOLOGICAL)		INSULATION (LOOSE/ BATT)
	STONE OR RIP RAP		INSULATION (RIGID)
	GRAVEL		WOOD (ROUGH)
	CONCRETE		WOOD (BLOCKING)
	CONCRETE BLOCK		WOOD (FINISH)
	CMU		DETECTABLE WARNING
	HMA PAVEMENT		

SYMBOLS

EXISTING	CIVIL	PROPOSED
	RIGHT-OF-WAY LINE	
	PROPERTY LINE	
	CENTERLINE	
	SETBACK LINE	
	EASEMENT LINE	
	SECTION LINE	
	SECTION CORNER	
	COORDINATE POINT ON GRID SYSTEM	
	FOUND OR SET PROPERTY PIN	
	RIGHT-OF-WAY MARKER	
	BENCHMARK	
	CONTOUR LINE	
	SPOT ELEVATION (AT)	
	FENCE LINE	
	SILT FENCE LINE	
	CURB AND GUTTER	
	TIP OUT CURB AND GUTTER	
	SAWCUT, LIMITS OF PAVEMENT REMOVAL & REPLACEMENT	
	DECIDUOUS TREE W/ SIZE	
	CONIFEROUS TREE W/ SIZE	
	TREE STUMP	
	HEDGEROW	
	BUSH OR SHRUB	
	TREE LINE	
	CONSTRUCTION LIMIT LINE	
	SIGN (MULTIPLE POST, SINGLE POST, STREET SIGN)	
	SIGN (PYLON)	
	GUARD RAIL	
	RAILROAD TRACKS	
	BUILDING	
	MAILBOX	
	FLAGPOLE	
	BOLLARD	
	AIR CONDITIONER	

EXISTING	MISC	PROPOSED
	SOIL BORING LOCATION AND NUMBER	
	MONITORING WELL	
	REVISION NUMBER	
	OUTLINE OF DETAILED AREA	
	SECTION NUMBER - SHEET WHERE SHOWN	

EXISTING	SANITARY SEWER	PROPOSED
	SANITARY SEWER	
	SANITARY SEWER SERVICE	
	SANITARY SEWER FORCE MAIN	
	SANITARY CLEANOUT	
	SANITARY MANHOLE	
	WYE FITTING	

EXISTING	WATER	PROPOSED
	WATER SERVICE	
	WATER PIPE	
	FIRE HYDRANT	
	YARD HYDRANT	
	WATER VALVE WITH BOX	
	CURB STOP W/CURB BOX	
	REDUCER	
	WATER VALVE VAULT	
	11.25' BEND	
	22.50' BEND	
	45' BEND	
	90' BEND	
	TEE	
	CAP	
	WATER METER	
	SPRINKLER HEAD	
	TRACER WIRE BOX	

EXISTING	STORM SEWER	PROPOSED
	STORM SEWER	
	DRAIN TILE	
	DITCH LINE (PAVED)	
	DITCH LINE (UNPAVED)	
	STORM MANHOLE	
	CATCH BASIN	
	STORM SEWER INLET	
	STORM SEWER INLET - BEHIND CURB	
	DOWNSPOUT	
	CULVERT AND SIZE	
	RCCP OR RCP EQRS (RCAP) END SECTION	
	METAL OR HDPE END SECTION	
	FLOW DIRECTION	

EXISTING	EROSION CONTROL	PROPOSED
	EROSION CONTROL BLANKET	
	TEMPORARY AND PERMANENT SEEDING AREA	
	UNDISTURBED AREA	
	STABILIZED CONSTRUCTION ENTRANCE	
	SILT FENCE	
	INLET PROTECTION	
	TEMPORARY SEDIMENT TRAP	
	CULVERT INLET PROTECTION	
	ROCK OUTLET PROTECTION	
	ROCK CHECK DAM - COURSE AGGREGATE	
	ROCK CHECK DAM - RIP RAP	
	DITCH CHECK	

EXISTING	UTILITY	PROPOSED
	FIBER OPTIC LINE	
	UNDERGROUND TV CABLE	
	CABLE TV RISER PEDESTAL	
	OVERHEAD UTILITY	
	UNDERGROUND ELECTRIC	
	ELECTRIC RISER PEDESTAL	
	ELECTRIC MANHOLE	
	UNDERGROUND TELEPHONE	
	TELEPHONE RISER PEDESTAL	
	TELEPHONE MANHOLE	
	UTILITY POLE	
	UTILITY POLE W/ METER	
	UTILITY POLE W/ TRANSFORMER	
	UTILITY POLE W/ LIGHT	
	UTILITY POLE WITH GUY WIRE AND ANCHOR	
	LIGHT (MAST MOUNTED)	
	LIGHT POLE (SINGLE FIXTURE)	
	YARD LIGHT	
	GAS MAIN	
	GAS METER	
	GAS VALVE	
	GAS STRUCTURE	
	TRANSFORMER	
	GENERATOR	

EXISTING	TRAFFIC RELATED	PROPOSED
	CONTROLLER	
	MAST ARM ASSEMBLY AND POLE	
	SIGNAL HEAD AND POST	
	SIGNAL HEAD	
	PEDESTRIAN HEAD	
	PEDESTRIAN PUSH-BUTTON	
	HAND HOLE	
	DOUBLE HAND HOLE	
	HAND HOLE OR JUNCTION BOX	
	HEAVY-DUTY HAND HOLE	
	EXISTING CONDUIT (LENGTH AND SIZE) PROP GALVANIZED STEEL OR PVC CONDUIT UPPER NUMERAL INDICATES LENGTH "T" INDICATES CONDUIT IN TRENCH "P" INDICATED CONDUIT PUSHED LOWER NUMERAL INDICATES SIZE AND TYPE	
	LUMINAIRE	
	ARROW - THROUGH, TURN LEFT	
	ARROW - THROUGH	
	ARROW - TURN LEFT	
	ARROW - TURN RIGHT	
	ONE DIRECTION TURN ONLY	
	HANDICAPPED PARKING STALL	
	TRAFFIC DETECTOR LOOP	
	TRAFFIC CONTROL BOX	

MODEL: C:\30\22-071_Plan\22-071_Plan.dwg, LEGEND



USER NAME = BF/YJ	DESIGNED -- VL	REVISED --
PLOT SCALE = AS NOTED	DRAWN -- BF/YJ	REVISED --
PLOT DATE = 2/15/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STANDARD LEGEND			
SCALE: AS NOTED	SHEET 4	OF 129 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	4
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

+ SPECIALTY ITEM	ITEM#	PAY ITEMS	UNIT	TOTAL	CONSTRUCTION CODE			
					ROADWAY 80% FEDERAL 20% LOCAL 0004	LIGHTING 80% FEDERAL 20% LOCAL 0021	TRAFFIC SIGNAL 80% FEDERAL 20% LOCAL 0021	TRAINEES 80% FEDERAL 20% LOCAL 0042
	20101100	TREE TRUNK PROTECTION	EACH	6	6			
	20101400	NITROGEN FERTILIZER NUTRIENT	POUND	226.00	226.00			
	20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	226.00	226.00			
	20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	226.00	226.00			
	20200100	EARTH EXCAVATION	CU YD	3988.00	3988.00			
	20800150	TRENCH BACKFILL	CU YD	257.30	257.30			
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	17368.00	17368.00			
	21101625	TOPSOIL EXCAVATION AND PLACEMENT, 6"	SQ YD	9650.00	9650.00			
	25000110	SEEDING, CLASS 1A	ACRE	2.00	2.00			
	25100630	EROSION CONTROL BLANKET	SQ YD	9650.00	9650.00			
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	20.00	20.00			
	28000315	TEMPORARY DITCH CHECKS	FOOT	76.00	76.00			
	28000400	PERIMETER EROSION BARRIER	FOOT	6692.50	6692.50			
	28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	965.00	965.00			
	28000510	INLET FILTERS	EACH	41	41			
	28100109	STONE RIPRAP, CLASS A5	SQ YD	15.80	15.80			
	28200200	FILTER FABRIC	SQ YD	15.80	15.80			
	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	1105.00	1105.00			
	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	6846.00	6846.00			
	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	1416.00	1416.00			

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USER NAME = BF/YJ
 PLOT SCALE = AS NOTED
 PLOT DATE = 2/15/24

DESIGNED -- VL
 DRAWN -- BF/YJ
 CHECKED --
 DATE -- 03/01/23

REVISED --
 REVISED --
 REVISED --
 REVISED --

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: AS NOTED SHEET 5 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	5
CONTRACT NO 61K35			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

+ SPECIALTY ITEM	ITEM#	PAY ITEMS	UNIT	TOTAL	CONSTRUCTION CODE			
					ROADWAY 80% FEDERAL 20% LOCAL 0004	LIGHTING 80% FEDERAL 20% LOCAL 0021	TRAFFIC SIGNAL 80% FEDERAL 20% LOCAL 0021	TRAINEES 80% FEDERAL 20% LOCAL 0042
	35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	6846.00	6846.00			
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	15400.00	15400.00			
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	8417.00	8417.00			
	40600370	LONGITUDINAL JOINT SEALANT	FOOT	7026.00	7026.00			
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	124.00	124.00			
	40602985	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	TON	1208.00	1208.00			
	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	95.00	95.00			
	40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	1349.00	1349.00			
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1417.00	1417.00			
	42400800	DETECTABLE WARNINGS	SQ FT	209.00	209.00			
	44000100	PAVEMENT REMOVAL	SQ YD	5486.00	5486.00			
	44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	1530.00	1530.00			
	44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	6975.00	6975.00			
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	362.00	362.00			
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	3552.00	3552.00			
	44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	59.00	59.00			
	44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	65.00	65.00			
	44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	43.00	43.00			
	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1	1			
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	166.00	166.00			

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USER NAME = BF/YJ	DESIGNED -- VL	REVISED --
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PLOT DATE = 2/15/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: AS NOTED SHEET 6 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	6
CONTRACT NO 61K35			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

+ SPECIALTY ITEM	ITEM#	PAY ITEMS	UNIT	TOTAL	CONSTRUCTION CODE			
					ROADWAY 80% FEDERAL 20% LOCAL 0004	LIGHTING 80% FEDERAL 20% LOCAL 0021	TRAFFIC SIGNAL 80% FEDERAL 20% LOCAL 0021	TRAINEES 80% FEDERAL 20% LOCAL 0042
	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	186.00	186.00			
	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	248.00	248.00			
	550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	14.00	14.00			
	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	312.00	312.00			
	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	95.00	95.00			
	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	192.00	192.00			
	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	46.00	46.00			
	550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	129.00	129.00			
	550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	270.00	270.00			
	550A0730	STORM SEWERS, CLASS A, TYPE 3 30"	FOOT	205.00	205.00			
	550B0050	STORM SEWERS, CLASS B, TYPE 1 12"	FOOT	45.00	45.00			
	55100500	STORM SEWER REMOVAL 12"	FOOT	298.00	298.00			
	55100700	STORM SEWER REMOVAL 15"	FOOT	444.00	444.00			
	55100900	STORM SEWER REMOVAL 18"	FOOT	137.00	137.00			
	55101200	STORM SEWER REMOVAL 24"	FOOT	211.00	211.00			
	56107400	REMOVE AND RELOCATE WATER MAIN 12"	FOOT	370.70	370.70			
	56400200	FIRE HYDRANTS TO BE MOVED (SPECIAL)	EACH	3	3			
+	56400300	FIRE HYDRANT TO BE ADJUSTED	EACH	1	1			
	60200305	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	13	13			
	60204005	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	3	3			

MODEL: CSD\22\22-02-071 P001\Plan\22-071_Plan.dwg, SUM-3



USER NAME = BF/YJ	DESIGNED -- VL	REVISED --
PLOT SCALE = AS NOTED	DRAWN -- BF/YJ	REVISED --
PLOT DATE = 2/15/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: AS NOTED | SHEET 7 OF 129 SHEETS | STA. TO STA.

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	7
ILLINOIS FED. AID PROJECT			CONTRACT NO 61K35	

SUMMARY OF QUANTITIES

+ SPECIALTY ITEM	ITEM#	PAY ITEMS	UNIT	TOTAL	CONSTRUCTION CODE			
					ROADWAY 80% FEDERAL 20% LOCAL 0004	LIGHTING 80% FEDERAL 20% LOCAL 0021	TRAFFIC SIGNAL 80% FEDERAL 20% LOCAL 0021	TRAINEES 80% FEDERAL 20% LOCAL 0042
	60207105	CATCH BASINS, TYPE C, TYPE 3 FRAME AND GRATE	EACH	9	9			
	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3			
	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	8	8			
	60223810	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	1	1			
	60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1			
	60255500	MANHOLES TO BE ADJUSTED	EACH	2	2			
	60260100	INLETS TO BE ADJUSTED	EACH	4	4			
	60500040	REMOVING MANHOLES	EACH	5	5			
	60500060	REMOVING INLETS	EACH	12	12			
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	5651.00	5651.00			
	67100100	MOBILIZATION	L SUM	1	1			
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	112.00	112.00			
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2214.00	2214.00			
	70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	12652.00	12652.00			
	72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	54.00	54.00			
	72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	3	3			
	72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	1	1			
	72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	30.00	30.00			
+	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	520.00	520.00			
+	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	457.60	457.60			

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USER NAME = BF/YJ	DESIGNED -- VL	REVISED --
PLOT SCALE = AS NOTED	DRAWN -- BF/YJ	REVISED --
PLOT DATE = 3/21/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: AS NOTED SHEET 8 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	8
ILLINOIS FED. AID PROJECT			CONTRACT NO 61K35	

SUMMARY OF QUANTITIES

+ SPECIALTY ITEM	ITEM#	PAY ITEMS	UNIT	TOTAL	CONSTRUCTION CODE			
					ROADWAY 80% FEDERAL 20% LOCAL 0004	LIGHTING 80% FEDERAL 20% LOCAL 0021	TRAFFIC SIGNAL 80% FEDERAL 20% LOCAL 0021	TRAINEES 80% FEDERAL 20% LOCAL 0042
+	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	9274.00	9274.00			
+	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2099.00	2099.00			
+	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1351.00	1351.00			
+	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	151.00	151.00			
	78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ.FT	2794.00	2794.00			
+	80400100	ELECTRIC SERVICE INSTALLATION	EACH	1			1	
+	80400200	ELECTRIC UTILITY SERVICE CONNECTION	L.SUM	1			1	
+	80500010	SERVICE INSTALLATION - GROUND MOUNTED	EACH	1			1	
+	81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	64.00			64.00	
+	81028760	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2 1/2" DIA.	FOOT	4.00			4.00	
+	81028770	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA.	FOOT	93.00			93.00	
+	81028780	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3 1/2" DIA.	FOOT	63.00			63.00	
+	81028790	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 4" DIA.	FOOT	546.00			546.00	
+	81028800	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 5" DIA.	FOOT	6.00			6.00	
+	81400100	HANDHOLE	EACH	3			3	
+	81400300	DOUBLE HANDHOLE	EACH	1			1	
+	81702110	ELECTRICAL CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1050.00			1050.00	
+	82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	4		4		
+	84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	1		1		
+	85100500	PAINT NEW TRAFFIC SIGNAL POST	EACH	5			5	

MODEL: C:\320\32-02-071\Plan\Plan\02-071 Plans.dwg, SJK-5

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CHICAGO, IL 60605
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USER NAME - BF/YJ	DESIGNED - VL	REVISED -
PL01 SCALE - AS NOTED	DRAWN - BF/YJ	REVISED -
PL01 DATE - 2/15/24	CHECKED -	REVISED -
	DATE - 03/01/23	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: AS NOTED SHEET 9 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	9
CONTRACT NO 61K35			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

+ SPECIALTY ITEM	ITEM#	PAY ITEMS	UNIT	TOTAL	CONSTRUCTION CODE			
					ROADWAY 80% FEDERAL 20% LOCAL 0004	LIGHTING 80% FEDERAL 20% LOCAL 0021	TRAFFIC SIGNAL 80% FEDERAL 20% LOCAL 0021	TRAINEES 80% FEDERAL 20% LOCAL 0042
+	85100800	PAINT NEW COMBINATION MAST ARM AND POLE, UNDER 40 FOOT	EACH	3			3	
+	85100901	PAINT NEW COMBINATION MAST ARM AND POLE, 40 FOOT AND OVER	EACH	1			1	
+	87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1179			1179	
+	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	163.00			163.00	
+	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	163.00			163.00	
+	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	695.00			695.00	
+	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1390.00			1390.00	
+	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 2C	FOOT	1179.00			1179.00	
+	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1179.00			1179.00	
+	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	5.00			5.00	
+	87702880	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1			1	
+	87702890	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1			1	
+	87702900	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1			1	
+	87702930	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1			1	
+	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	18			18	
+	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	3.00			3.00	
+	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	50.00			50.00	
+	88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2.00			2.00	
+	88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4			4	
+	88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	6			6	

MODEL: C:\31\22-07-01\Drawings\22-07-01\Drawings\SUM-6



USER NAME = BF/YJ	DESIGNED -- VL	REVISED --
PLOT SCALE = AS NOTED	DRAWN -- BF/YJ	REVISED --
PLOT DATE = 3/11/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: AS NOTED SHEET 10 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	10
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

+ SPECIALTY ITEM	ITEM#	PAY ITEMS	UNIT	TOTAL	CONSTRUCTION CODE			
					ROADWAY 80% FEDERAL 20% LOCAL 0004	LIGHTING 80% FEDERAL 20% LOCAL 0021	TRAFFIC SIGNAL 80% FEDERAL 20% LOCAL 0021	TRAINEES 80% FEDERAL 20% LOCAL 0042
+	88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	6			6	
+	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2			2	
+	88200400	TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	10			10	
+	88700200	LIGHT DETECTOR	EACH	4			4	
+	88700300	LIGHT DETECTOR AMPLIFIER	EACH	1			1	
+	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	194			194	
+	X0327698	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4.00			4.00	
+	X1400081	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1			1	
+	X1400424	ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW	FOOT	540			540	
	X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	1.00	1.00			
	X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	2	2			
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1			
+	X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1			1	
+	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2			2	
+	X8891009	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	4			4	
+	XX007622	ELECTRIC METER	EACH	1	1			
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	103.00	103.00			
	Z0056648	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	116.00	116.00			
	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	4.00			4.00	
	Z0076600	TRAINEES	HOUR	500.00				500.00
	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500.00				500.00

MODEL: FILE NAME: G:\CSD\22-071_Plan\PlanA\22-071_Plan.dwg, SUN-7



USER NAME = BF/YJ	DESIGNED -- VL	REVISED --
	DRAWN -- BF/YJ	REVISED --
PLOT SCALE = AS NOTED	CHECKED --	REVISED --
PLOT DATE = 3/22/24	DATE -- 03/01/23	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

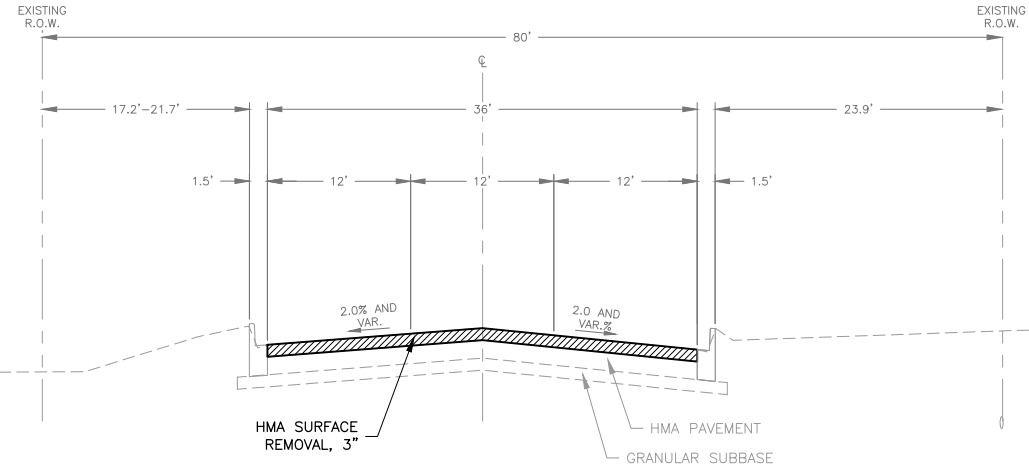
SCALE: AS NOTED SHEET 11 OF 132 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	132	11
CONTRACT NO 61K35			ILLINOIS FED. AID PROJECT	

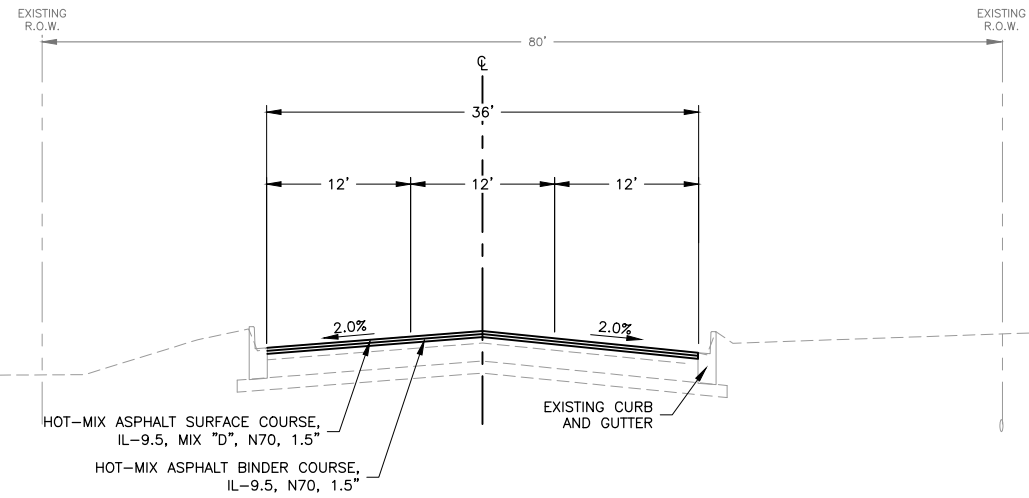
HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ NDES	QMP
PAVEMENT RESURFACING: THREE OAKS ROAD		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1.5"	4.0% @ 70 GYR.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 1.5"	4.0% @ 70 GYR.	LR 1030-2
PAVEMENT RESURFACING: LUTTER DRIVE		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1.5"	4.0% @ 70 GYR.	LR 1030-2
HMA PAVEMENT WIDENING: THREE OAKS ROAD		
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0), 8"	4.0% @ 70 GYR.	LR 1030-2
HMA PAVEMENT WIDENING: LUTTER DRIVE		
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0), 8"	4.0% @ 70 GYR.	LR 1030-2
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1.5"	4.0% @ 70 GYR.	LR 1030-2
HMA MULTI-USE PATH		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 3" (IN TWO LIFTS)	4.0% @ 50 GYR.	LR 1030-2
DRIVEWAYS		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 3" (IN 2 LIFTS)	4.0% @ 50 GYR.	LR 1030-2
HMA PAVEMENT SANDS RD/OLDE POST RD/E MONTICELLO WAY		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70, 1.5"	4.0% @ 70 GYR.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70, 1.5"	4.0% @ 70 GYR.	LR 1030-2
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0), 8"	4.0% @ 70 GYR.	LR 1030-2
CLASS D PATCHING		
CLASS D PATCHING (HMA BINDER IL-19.0)	4.0% @ 70 GYR.	LR 1030-2
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE PER LR 1030-2		

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQ YD/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.



**EXISTING TYPICAL SECTION
THREE OAKS ROAD
STA: 103+50 TO STA 108+82.62
NOT TO SCALE**



**PROPOSED TYPICAL SECTION
THREE OAKS ROAD
STA: 103+50 TO STA 108+82.62
NOT TO SCALE**

THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE HMA BC IL-9.5 N70.

MODEL: FILE NAME: C:\3D\22-071_Plan\22-071_Typ_Sections.dwg, Typ_Sec 1

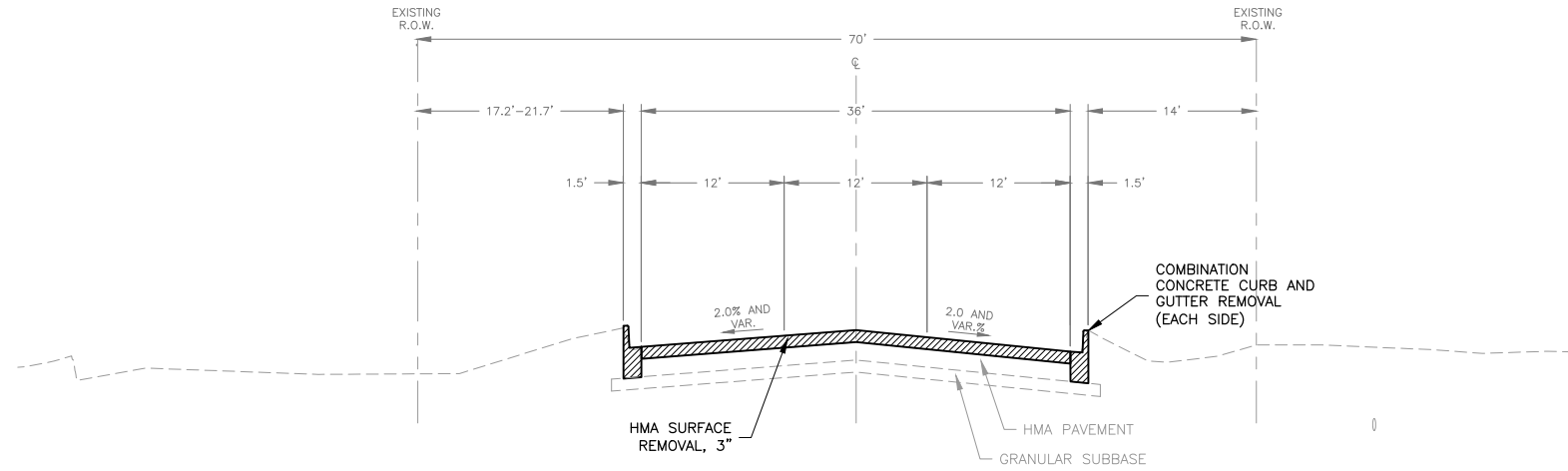


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PLOT SCALE = AS NOTED	DRAWN -- BF/YJ	REVISED --
PLOT DATE = 2/15/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

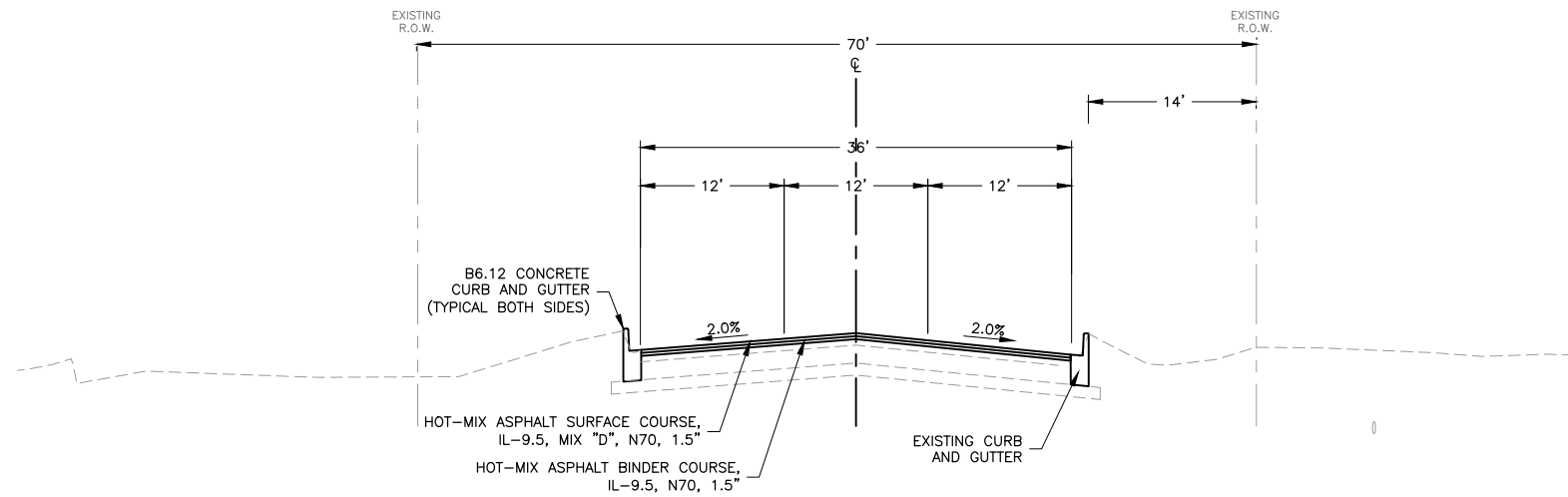
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

THREE OAKS ROAD TYPICAL SECTION
SCALE: AS NOTED SHEET 12 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	12
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION
THREE OAKS ROAD
STA: 108+82.62 TO STA 109+84
 NOT TO SCALE



PROPOSED TYPICAL SECTION
THREE OAKS ROAD
STA: 108+82.62 TO STA 109+84
 NOT TO SCALE

THE LONGITUDINAL JOINT SEALANT SHALL
 BE PLACED ON THE HMA BC IL-9.5 N70.

MODEL: C:\3D\22-071\Plans\22-071 Typ Sections.dwg, Typ, Sec 1A

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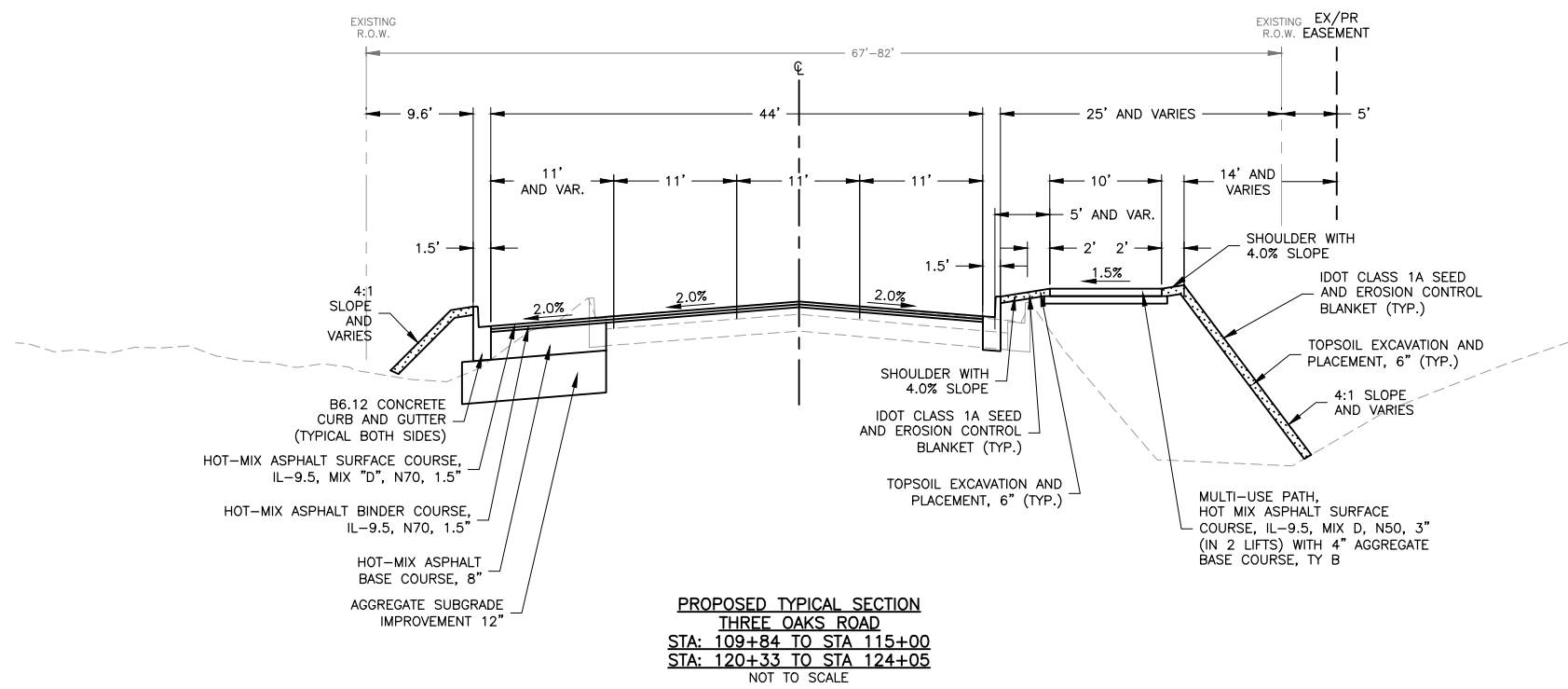
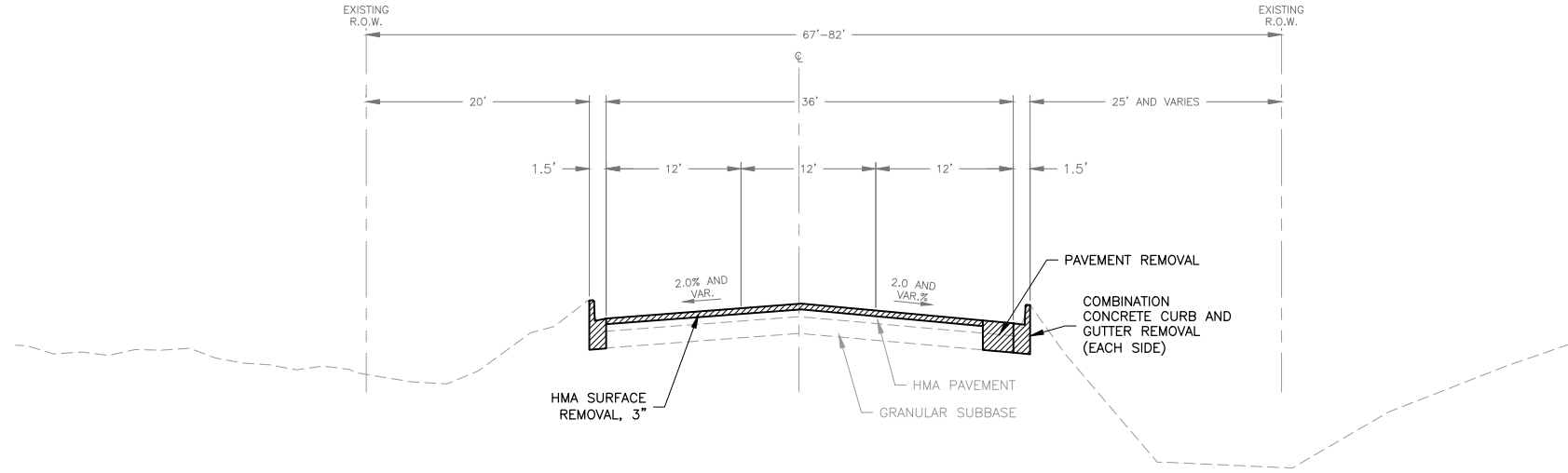
USER NAME = BF/YJ	DESIGNED -- VL	REVISED --
PLOT SCALE = AS NOTED	DRAWN -- BF/YJ	REVISED --
PLOT DATE = 2/15/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

THREE OAKS ROAD TYPICAL SECTION

SCALE: AS NOTED SHEET 13 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	13
CONTRACT NO 61K35			ILLINOIS FED. AID PROJECT	



THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE HMA BC IL-9.5 N70.

MODEL: C:\3D\22-071_Plan\22-071_Plan.dwg, Typ, Sec 2

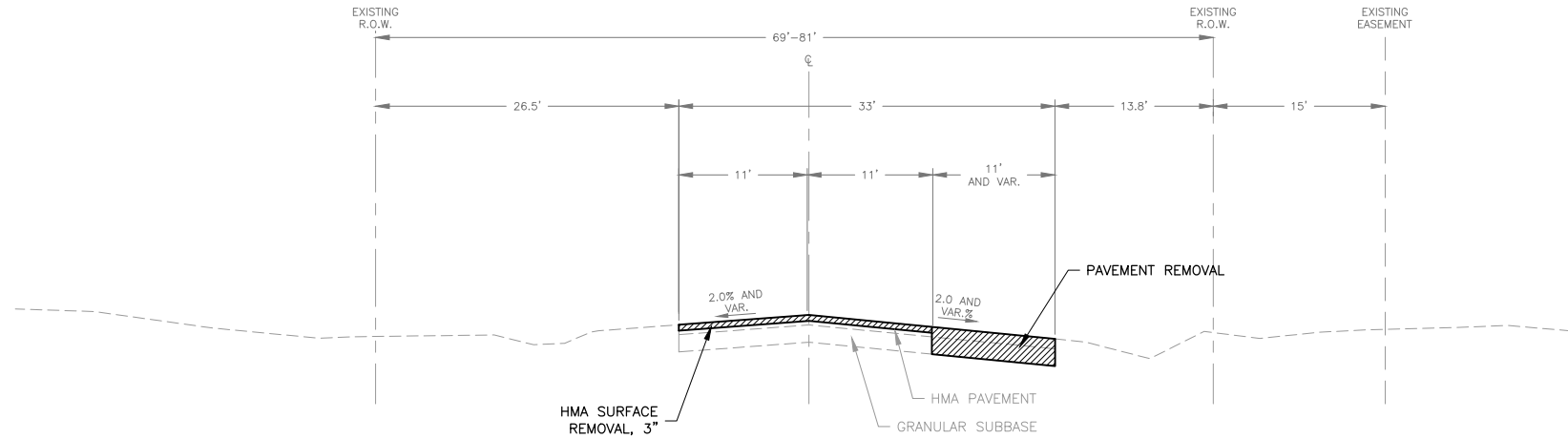


USER NAME = BF/YJ	DESIGNED -- VL	REVISED --
PLOT SCALE = AS NOTED	DRAWN -- BF/YJ	REVISED --
PLOT DATE = 2/15/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

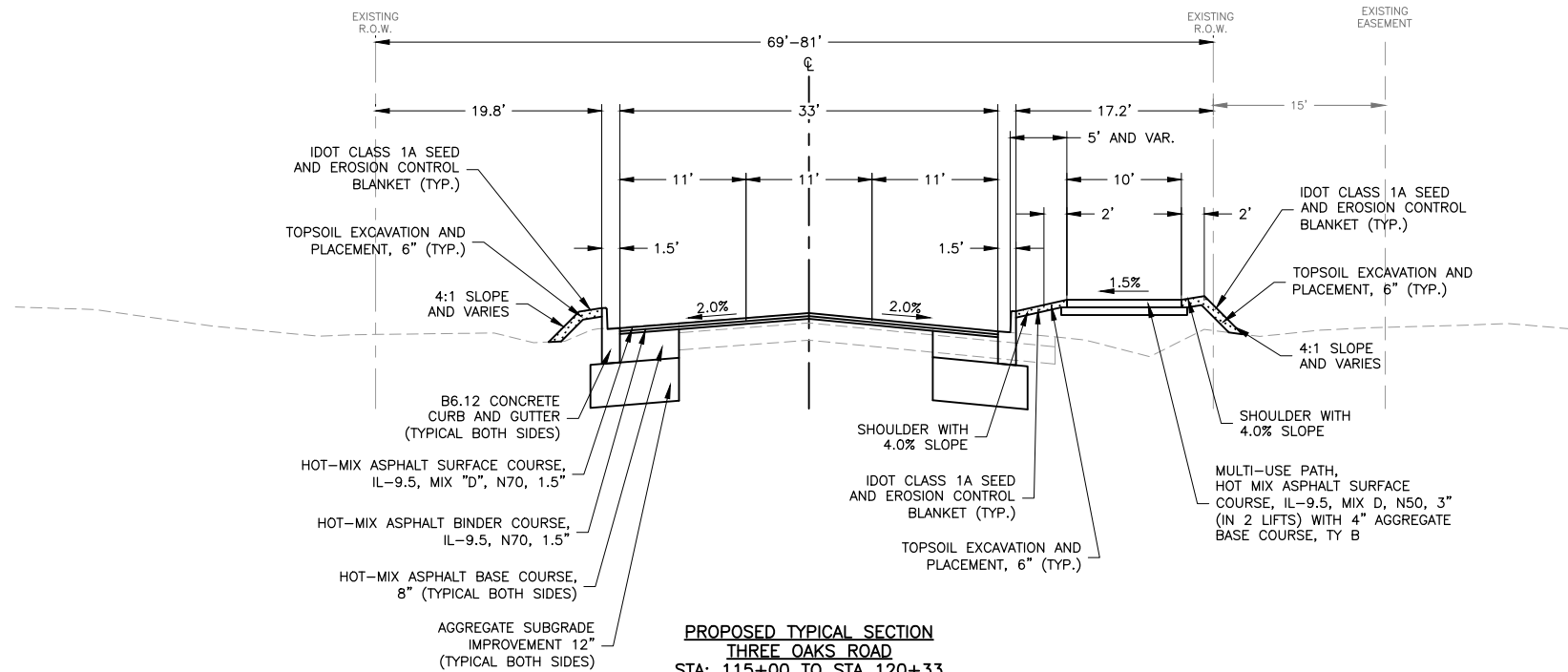
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

THREE OAKS ROAD TYPICAL SECTION			
SCALE: AS NOTED	SHEET 14	OF 129 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	14
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				



**EXISTING TYPICAL SECTION
THREE OAKS ROAD
STA: 115+00 TO STA 120+33
NOT TO SCALE**



**PROPOSED TYPICAL SECTION
THREE OAKS ROAD
STA: 115+00 TO STA 120+33
NOT TO SCALE**

THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE HMA BC IL-9.5 N70.

MODEL: C:\3D\22-071_Plan\22-071 Typ Sections.dwg, Typ, Sec 3

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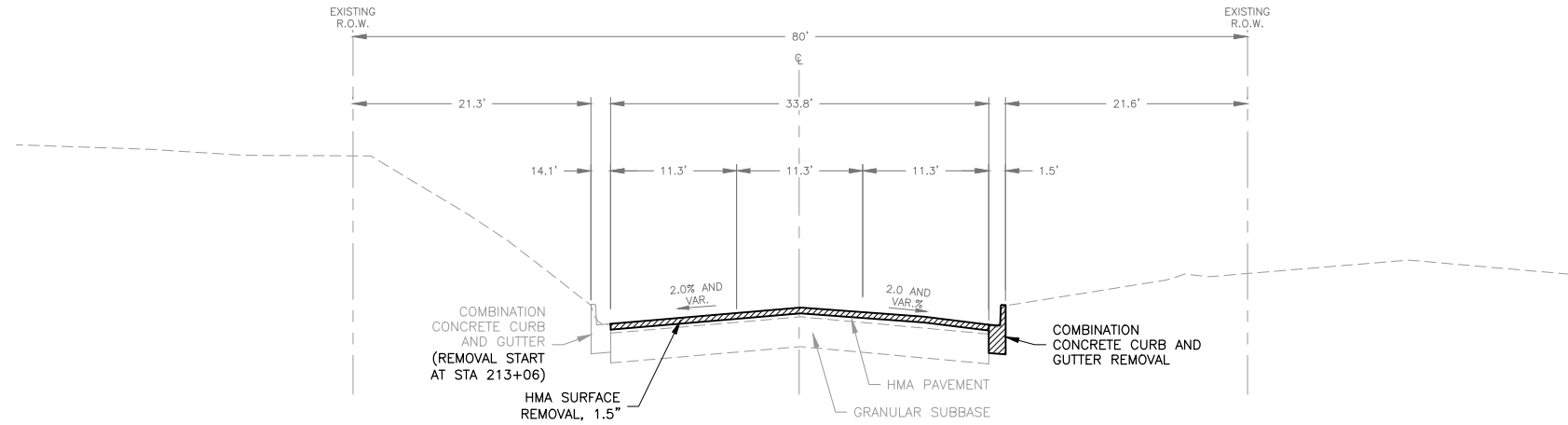
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PLOT SCALE = AS NOTED	DRAWN -- BF/YJ	REVISED --
PLOT DATE = 2/15/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

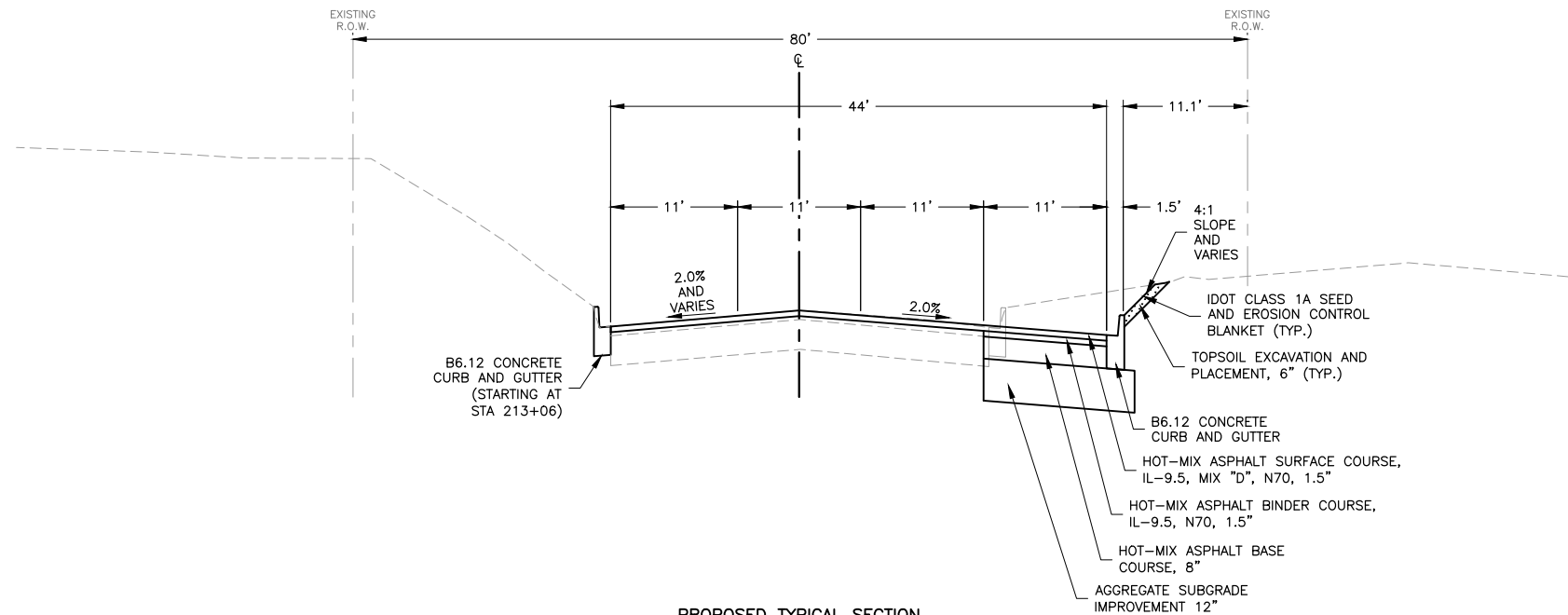
THREE OAKS ROAD TYPICAL SECTION

SCALE: AS NOTED SHEET 15 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	15
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				



**EXISTING TYPICAL SECTION
LUTTER DRIVE
STA: 210+65.4 TO STA 214+50
NOT TO SCALE**



**PROPOSED TYPICAL SECTION
LUTTER DRIVE
STA: 210+65.4 TO STA 214+50
NOT TO SCALE**

THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE MILLED SURFACE.

MODEL: C:\3D\22-071_Plan\Plans\22-071_Typ_Sections.dwg, Typ_Sec 4



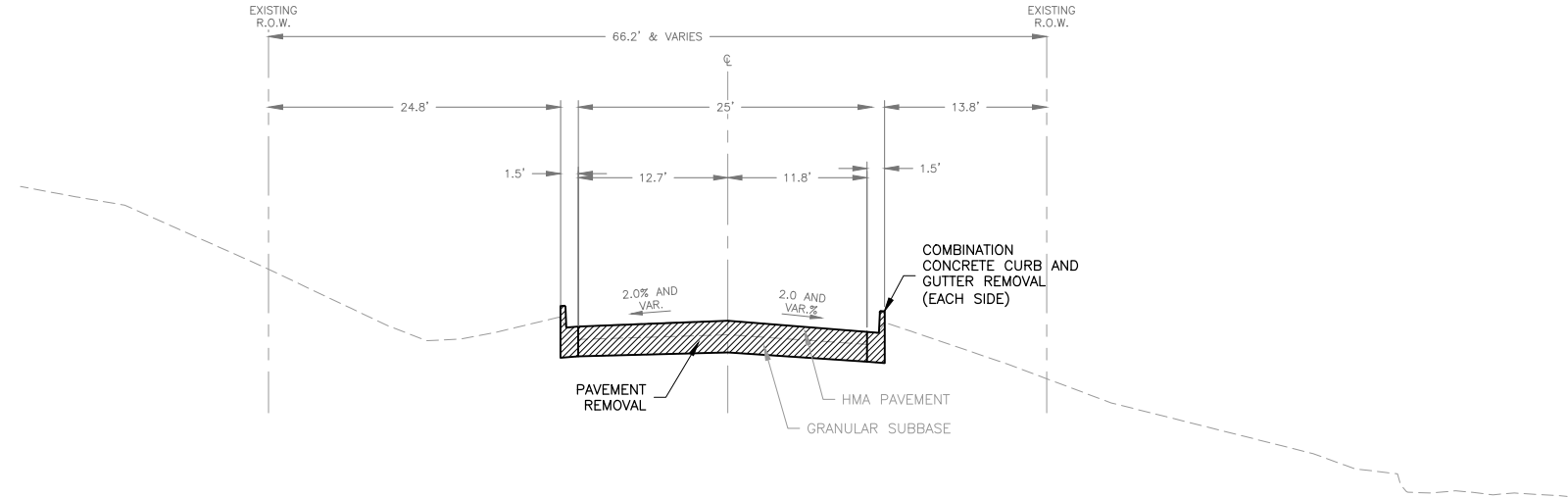
USER NAME = BF/YJ	DESIGNED -- VL	REVISED --
PLOT SCALE = AS NOTED	DRAWN -- BF/YJ	REVISED --
PLOT DATE = 2/15/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

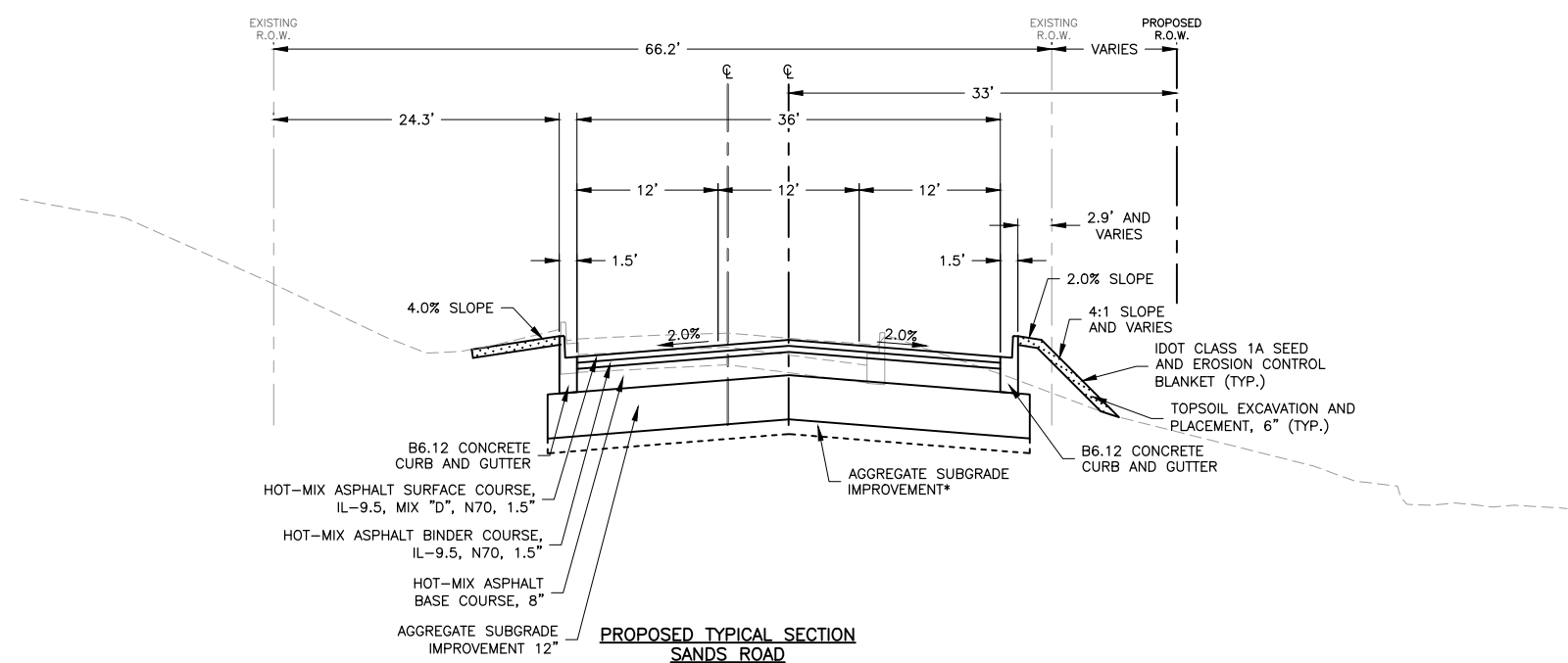
LUTTER DRIVE TYPICAL SECTION

SCALE: AS NOTED SHEET 16 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	16
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION
SANDS ROAD
STA: 300+00 TO 300+65
STA: 305+61 TO 310+55
 NOT TO SCALE



PROPOSED TYPICAL SECTION
SANDS ROAD
STA: 300+00 TO 300+65
STA: 305+61 TO 310+55
 NOT TO SCALE

THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE HMA BC IL-9.5 N70.
 *AGGREGATE SUBGRADE IMPROVEMENT STATION 300+00 TO 300+65 STATION 305+61 TO 307+25

MODEL: FILE NAME: G:\C30\22-071\Plans\22-071_Typ_Sections.dwg, Typ_Sec 5

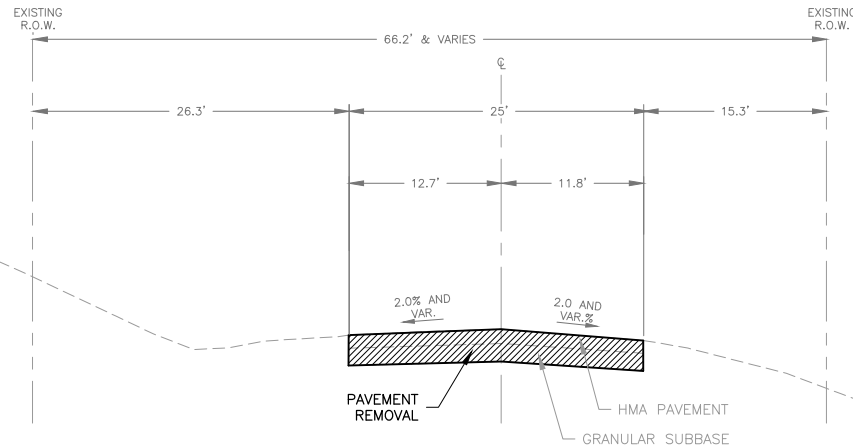


USER NAME = BF/YJ	DESIGNED -- VL	REVISED --
PLOT SCALE = AS NOTED	DRAWN -- BF/YJ	REVISED --
PLOT DATE = 2/15/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

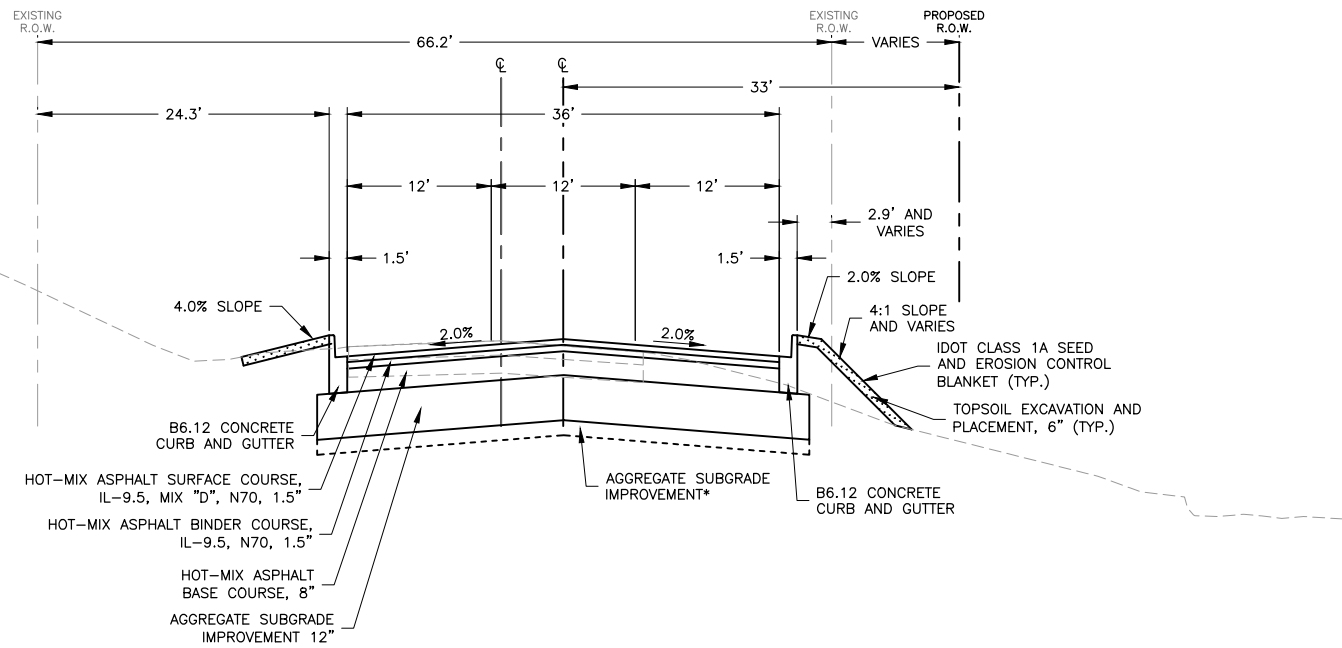
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SANDS ROAD TYPICAL SECTION
 SCALE: AS NOTED SHEET 17 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	17
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				



**EXISTING TYPICAL SECTION
SANDS ROAD
STA: 300+65 TO STA: 305+61
NOT TO SCALE**



**PROPOSED TYPICAL SECTION
SANDS ROAD
STA: 300+65 TO STA: 305+61
NOT TO SCALE**

THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE HMA BC IL-9.5 N70.
*AGGREGATE SUBGRADE IMPROVEMENT STATION 300+00 TO 300+65 STATION 305+61 TO 307+25

MODEL: C:\3D\22-071\Plans\22-071 Typ Sections.dwg, Typ, Sec 6

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PLOT SCALE = AS NOTED	DRAWN -- BF/YJ	REVISED --
PLOT DATE = 2/15/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SANDS ROAD TYPICAL SECTION

SCALE: AS NOTED SHEET 18 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	18
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

PAVING														
STATION	STATION	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70 (TON)	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 (TON)	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 (TON)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (FOOT)	BITUMINOUS MATERIALS (PRIME COAT) (POUND)	BITUMINOUS MATERIALS (TACK COAT) (POUND)	LONGITUDINAL JOINT SEALANT (FOOT)	HOT-MIX ASPHALT BASE COURSE, 8" (SQ YD)	AGGREGATE SUBGRADE IMPROVEMENT (CU YD)	AGGREGATE SUBGRADE IMPROVEMENT 12" (SQ YD)	AGGREGATE BASE COURSE, TYPE B 4" (SQ YD)	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (SQ FT)	DETECTABLE WARNINGS (SQ FT)
103+50	125+50	712	95	712	2742	2617	3893	4110	1163	97	1163	1416	1417	209
210+65	214+50	31	0	172	447	955	975	710	425	36	425	0	0	0
300+00	310+55	410	0	410	2057	10434	3131	2048	4638	920	4638	0	0	0
400+45	401+75	29	0	29	206	747	224	81	332	28	332	0	0	0
500+45	501+75	26	0	26	199	647	194	77	288	24	288	0	0	0
TOTAL		1208	95	1349	5651	15400	8417	7026	6846	1105	6846	1416	1417	209

REMOVALS						
STATION	STATION	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2" (SQ YD)	HOT-MIX ASPHALT SURFACE REMOVAL, 3" (SQ YD)	DRIVEWAY PAVEMENT REMOVAL (SQ YD)	COMBINATION CURB AND GUTTER REMOVAL (FOOT)	PAVEMENT REMOVAL (SQ YD)
103+50	125+50	0	6975	107	1815	70
210+65	214+50	1530	0	42	441	0
300+00	310+55	0	0	213	1172	5416
500+45	501+75	0	0	0	124	0
TOTAL		1530	6975	362	3552	5486

CLASS D PATCHES				
STATION	STATION	CLASS D PATCHES, TYPE II, 8 INCH (SQ YD)	CLASS D PATCHES, TYPE III, 8 INCH (SQ YD)	CLASS D PATCHES, TYPE IV, 8 INCH (SQ YD)
103+50	125+50	59	65	43
TOTAL		59	65	43

THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS			
STATION	STATION	TYPE	AREA (SQ FT)
103+50	125+50	TURN ARROW	109.2
103+51	125+51	ONLY	145.6
210+65	214+50	TURN ARROW	31.2
210+66	214+51	ONLY	41.6
300+00	310+55	TURN ARROW	109.2
300+01	310+56	ONLY	20.8
TOTAL			457.6

THERMOPLASTIC PAVEMENT MARKING - LINE 4"				
STATION	STATION	TYPE	LENGTH (FOOT)	
103+50	125+50	DOUBLE YELLOW	5330	
210+65	214+50	DOUBLE YELLOW	1141	
300+00	310+55	DOUBLE YELLOW	2255	
300+00	310+55	10'/30' DASH	324	
400+45	401+75	DOUBLE YELLOW	115	
500+45	501+75	DOUBLE YELLOW	109	
TOTAL			9274	

THERMOPLASTIC PAVEMENT MARKING - LINE 6"			
STATION	STATION	TYPE	LENGTH (FOOT)
103+50	125+50	SOLID WHITE	933
103+51	125+51	2'/6' DASH	290
210+65	214+50	CROSSWALK	135
210+65	214+50	SOLID WHITE	260
210+66	214+51	2'/6' DASH	98
300+00	310+55	SOLID WHITE	125
300+01	310+56	2'/6' DASH	43
400+45	401+75	CROSSWALK	111
500+45	501+75	CROSSWALK	104
TOTAL			2099

THERMOPLASTIC PAVEMENT MARKING - LINE 12"			
STATION	STATION	TYPE	LENGTH (FOOT)
103+50	125+50	CROSSWALK	80
103+50	125+50	CROSSWALK	100
210+65	214+50	SOLID YELLOW	474
210+66	214+51	CROSSWALK	223
300+00	310+55	SOLID YELLOW	59
300+01	310+56	CROSSWALK	75
400+45	401+75	CROSSWALK	176
500+45	501+75	CROSSWALK	164
TOTAL			1351

THERMOPLASTIC PAVEMENT MARKING - LINE 24"			
STATION	STATION	TYPE	LENGTH (FOOT)
103+50	125+50	STOP BAR	58
210+65	214+50	STOP BAR	36
300+00	310+55	STOP BAR	24
400+45	401+75	STOP BAR	18
500+45	501+75	STOP BAR	15
TOTAL			151

MODEL: C:\3D\22-071_Plan\22-071_Plan.dwg, SCH-1



USER NAME = BF/YJ	DESIGNED -- VL	REVISED --
PLOT SCALE = AS NOTED	DRAWN -- BF/YJ	REVISED --
PLOT DATE = 3/8/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES			
SCALE: AS NOTED	SHEET 19	OF 129 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	19
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				

EARTH WORK SCHEDULE

CONTR #: 61K35

	EARTH	ROCK	EARTH	ROCK		EARTH BALANCE		REM & DISP	TOPSOIL	TOPSOIL
	EXCAVATION	EXCAVATION	EXCAVATION	EXCAVATION	EMBANKMENT	WASTE (+)	FURNISHED	UNSUITABLE	EXCAVATION	FURNISH
LOCATION	(CUT)	(CUT)	ADJUSTED FOR	ADJUSTED FOR	(FILL)	OR	EXCAVATION	MATERIAL	& PLACEMENT	& PLACE, 4"
	20200100*	20200200*	SHRINKAGE	SWELL		SHORTAGE (-)	20400800*	20201200	21101505	21101615
	CU YD	CU YD	15%	10%	CU YD	CU YD	CU YD	CU YD	CU YD	SQ YD
Pre-Stage										
Three Oaks Road										
103+50 - 125+50	0	0	0	0	0	0				
Lutter Drive										
210+65 - 214+50	0	0	0	0	0	0				
Sands Road										
300+00 - 310+55	0	0	0	0	0	0				
Earth Balance Pre-Stage						0	0			
Stage 1										
Three Oaks Road										
103+50 - 125+50	659	0	560	0	252	308			2888	
Sands Road										
300+00 - 310+55	1532	0	1302	0	216	1086			2723	
Earth Balance Stage 1						1394	0			
Stage 2										
Three Oaks Road										
103+50 - 125+50	1797	0	1527	0	639	888			4039	
Earth Balance Stage 2						888	0			
TOTAL	3988	0	3390	0	1107	4566	0	0	9650	0

MODEL: C:\3D\22-071-071-Plans\22-071-Plans.dwg, EARTHWORK



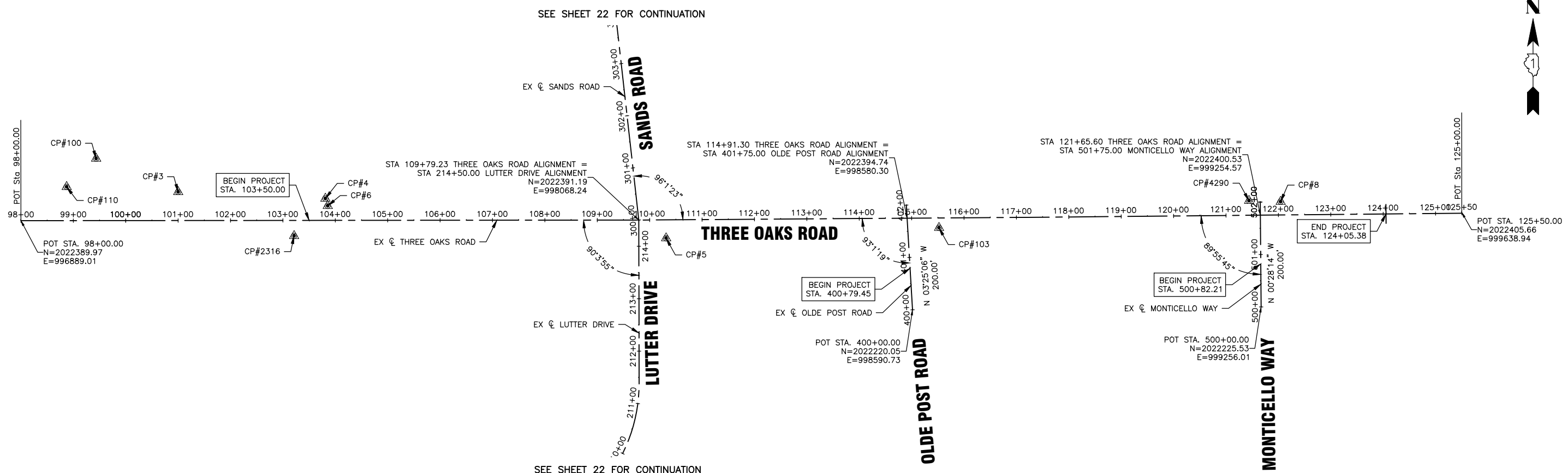
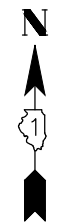
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PLOT DATE = 2/15/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EARTHWORK SCHEDULE

SCALE: AS NOTED SHEET 20 OF 129 SHEETS STA. TO STA.

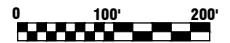
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	20
CONTRACT NO 61K35			ILLINOIS FED. AID PROJECT	



MONUMENTS SUMMARY

CONTROL POINT	DESCRIPTION	STATION	OFFSET	ELEV
CP#3	FND 5/8 REBAR	101+00.17	-54.47	912.58
CP#4	5/8" REBAR	103+81.10	-41.63	911.90
CP#5	CAPPED REBAR	110+31.11	34.82	906.22
CP#6	GPS CTR PNT	103+85.54	-27.74	910.10
CP#8	CAPPED REBAR	122+04.45	-25.23	905.71
CP#100	CHISELED "X" IN BOC	99+43.69	-118.37	912.51
CP#103	2" MAG NAIL	115+52.07	18.71	899.66
CP#110	IDOT DISK 035-2848	98+87.36	-64.38	910.22
CP#2316	RAILROAD SPIKE	103+21.27	29.44	909.95
CP#4290	BOLT IN MUELLER	121+44.12	-27.71	907.44

NOTES:
 1. SHOULD BENCHMARKS, MONUMENTS, OR CONTROL POINTS BE DESTROYED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR RE-ESTABLISHMENT, WHICH SHALL BE INCLUDED IN THE LUMP SUM CONTRACT COST FOR CONSTRUCTION LAYOUT.



MODEL: C:\3D\22\22-071\PH01\22-071 - ALIGNMENTS.dwg, A-1



USER NAME =BF/YJ
 PLOT SCALE = AS NOTED
 PLOT DATE = 2/15/24

DESIGNED -- VL
 DRAWN -- BF/YJ
 CHECKED --
 DATE -- 03/01/23

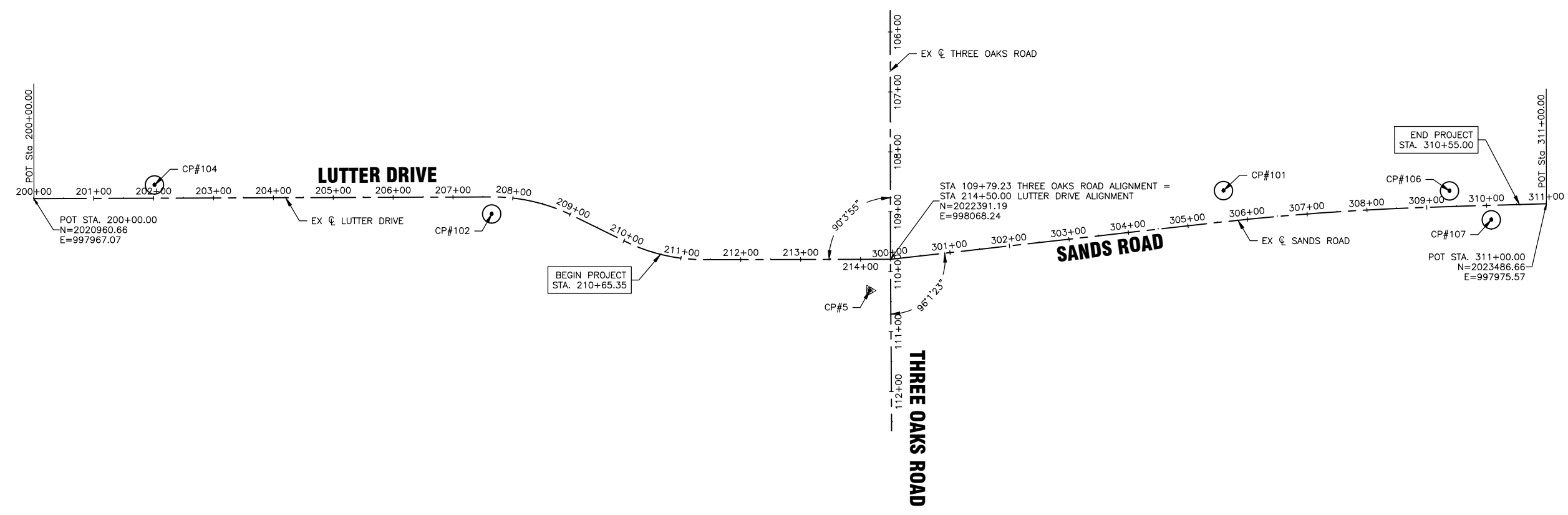
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 REVISED --
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS

SCALE: AS NOTED SHEET 21 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	21
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				



MONUMENTS SUMMARY

CONTROL POINT	DESCRIPTION	STATION	OFFSET	ELEV
CP#5	CAPPED REBAR	110+31.11	34.82	906.22
CP#101	CAPPED REBAR	305+65.30	-51.71	911.15
CP#102	CAPPED REBAR	207+64.56	28.44	899.08
CP#104	CAPPED REBAR	202+01.57	-22.06	883.78
CP#106	CAPPED REBAR	309+39.04	-26.06	896.77
CP#107	CAPPED REBAR	310+07.28	24.16	891.90

NOTES:
 1. SHOULD BENCHMARKS, MONUMENTS, OR CONTROL POINTS BE DESTROYED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR RE-ESTABLISHMENT, WHICH SHALL BE INCLUDED IN THE LUMP SUM CONTRACT COST FOR CONSTRUCTION LAYOUT.



MODEL: C:\3D\22\22-071 PH01\22-071 - ALIGNMENTS.dwg, A-2

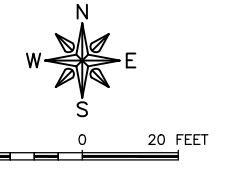
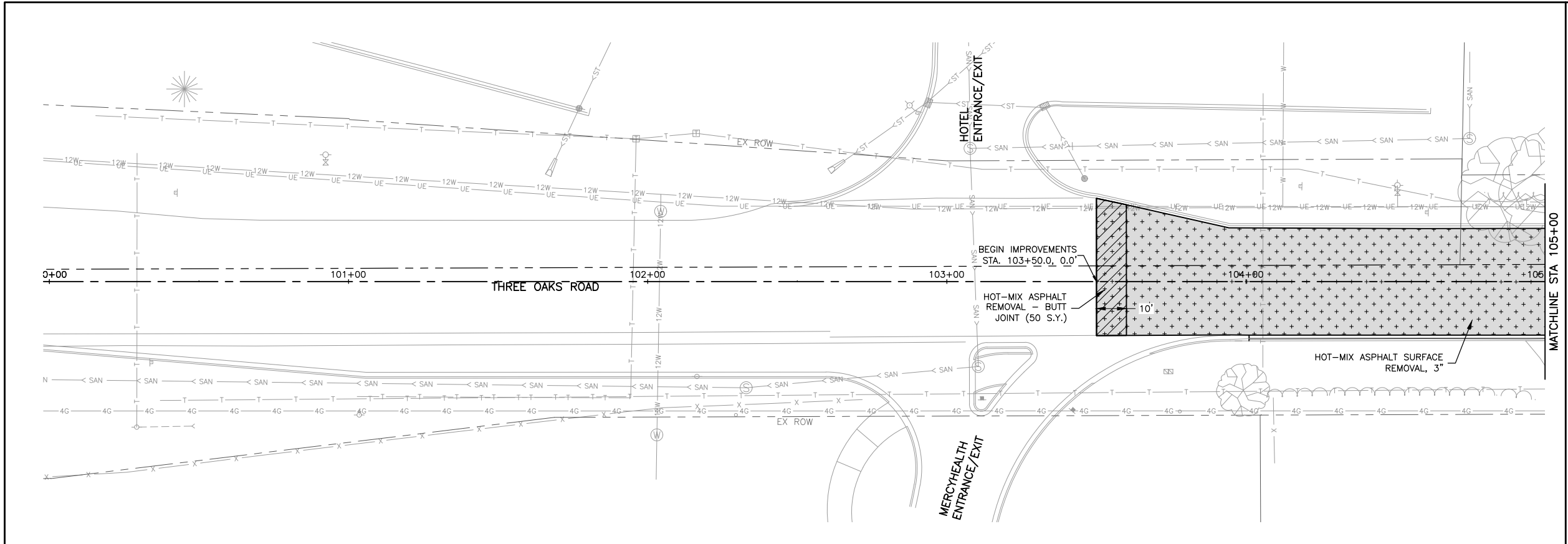


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PLOT SCALE = AS NOTED	DRAWN -- BF/YJ	REVISED --
PLOT DATE = 2/15/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

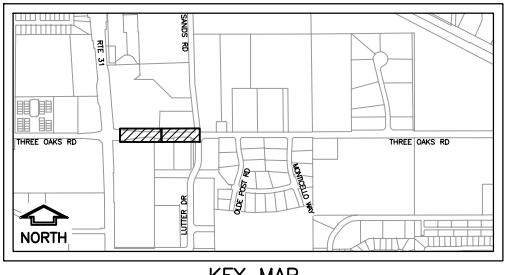
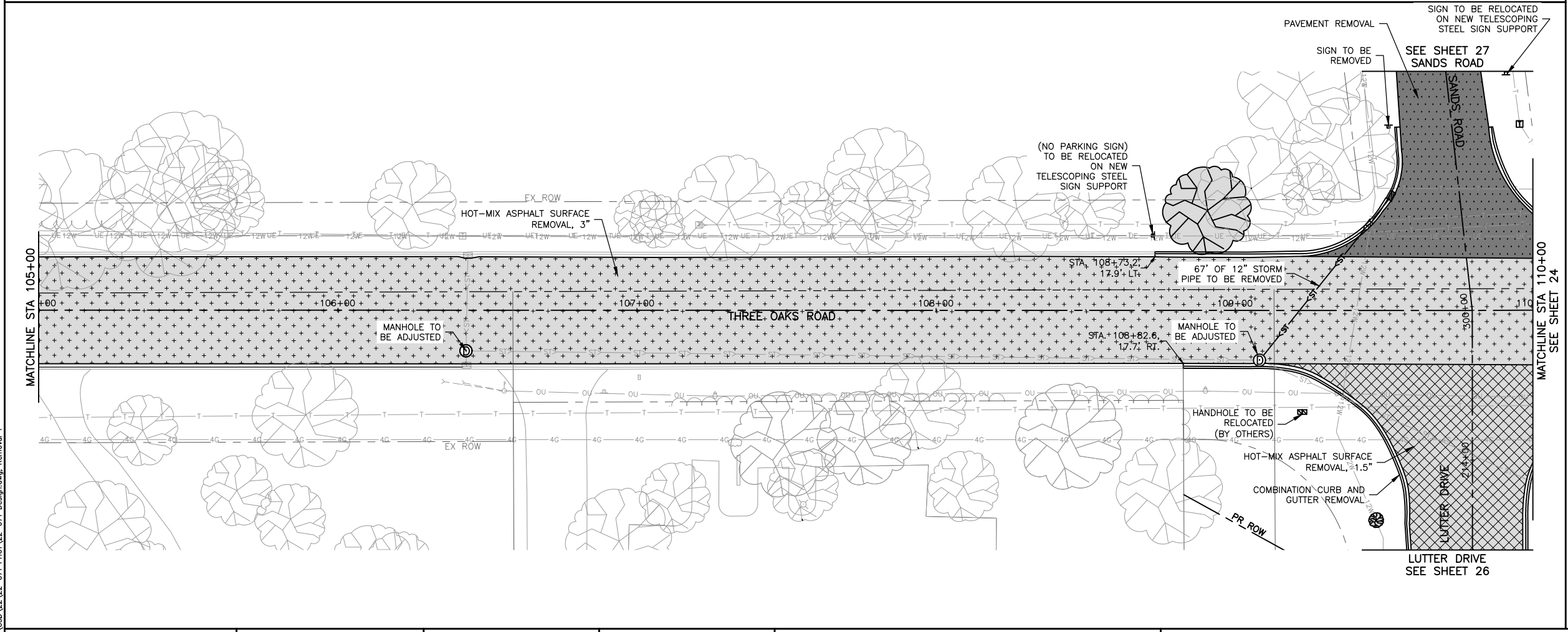
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES AND BENCHMARKS			
SCALE: AS NOTED	SHEET 22	OF 129 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	22
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- PAVEMENT REMOVAL
 - HOT-MIX ASPHALT SURFACE REMOVAL, 3"
 - HOT-MIX ASPHALT SURFACE REMOVAL, 1.5"
 - DRIVEWAY PAVEMENT REMOVAL
 - COMBINATION CURB AND GUTTER REMOVAL
 - TREE REMOVAL (BY OTHERS)
 - SIGN REMOVAL
 - STORM STRUCTURE REMOVAL
 - LIGHT POLE REMOVAL



MODEL: C3D022 22-071 PH01 22-071 Design.dwg, Removal 1

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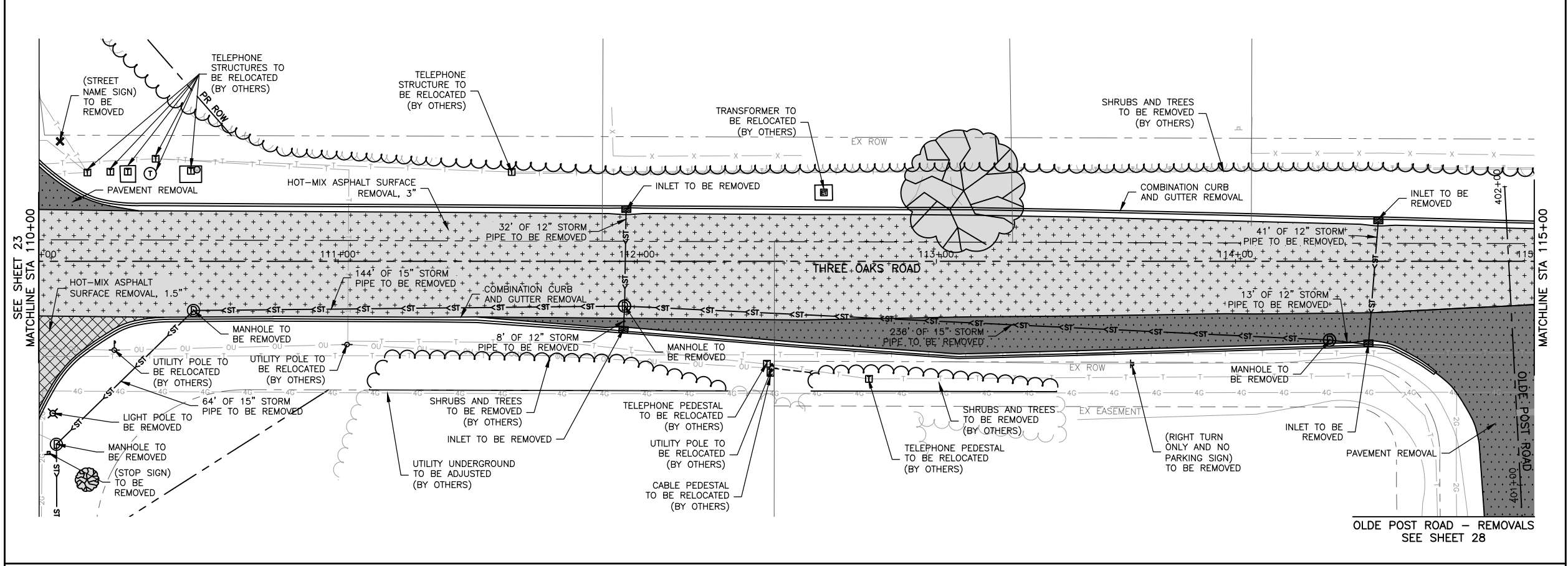
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PLOT DATE = 2/15/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLANS - THREE OAKS ROAD

SCALE: AS NOTED SHEET 23 OF 129 SHEETS STA. TO STA.

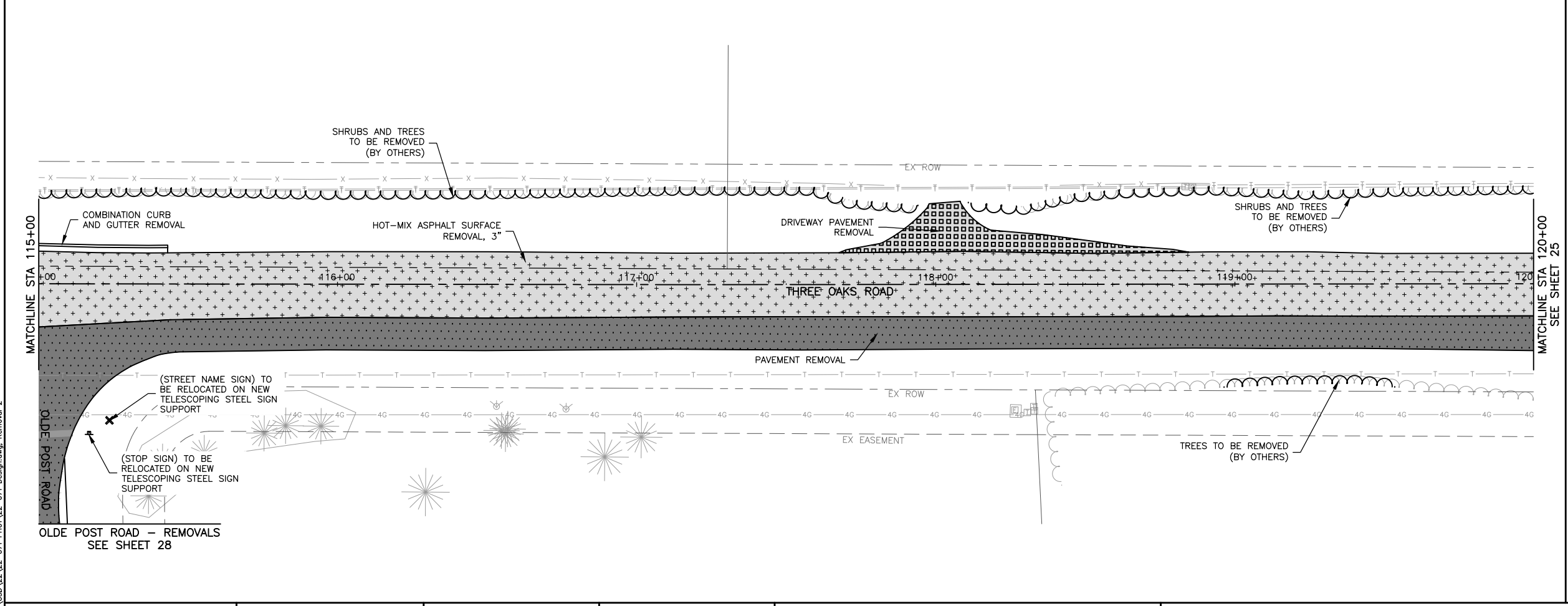
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	23
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				



20 0 20 FEET

LEGEND

- PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- HOT-MIX ASPHALT SURFACE REMOVAL, 1.5"
- DRIVEWAY PAVEMENT REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL
- TREE REMOVAL (BY OTHERS)
- SIGN REMOVAL
- STORM STRUCTURE REMOVAL
- LIGHT POLE REMOVAL



KEY MAP

MODEL: FILE NAME: C:\3D\22\22-071 PH01\22-071 Design.dwg, Removal 2

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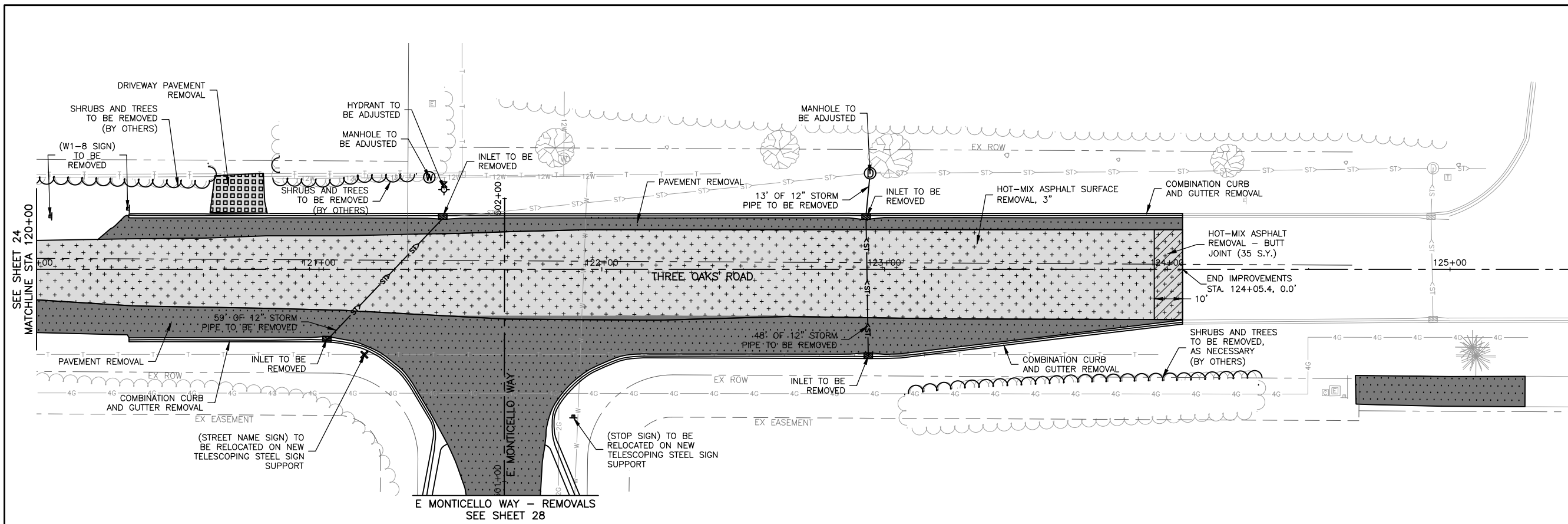
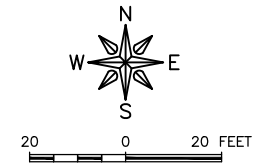
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PLOT DATE = 2/15/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL PLANS - THREE OAKS ROAD

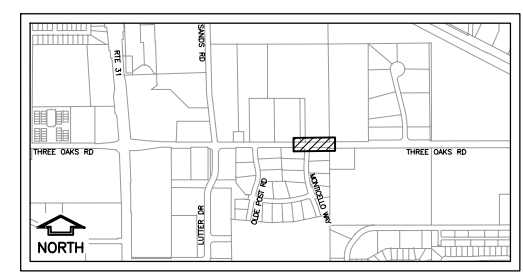
SCALE: AS NOTED SHEET 24 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	24
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				



LEGEND

- PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- HOT-MIX ASPHALT SURFACE REMOVAL, 1.5"
- DRIVEWAY PAVEMENT REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL
- TREE REMOVAL (BY OTHERS)
- SIGN REMOVAL
- STORM STRUCTURE REMOVAL
- LIGHT POLE REMOVAL



KEY MAP

MODEL: FILE NAME: C:\3D\22\22-071 PH01\22-071 Design.dwg, Removal_3



USER NAME = BF/YJ	DESIGNED -- VL	REVISED --
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	DATE -- 03/01/23	REVISED --

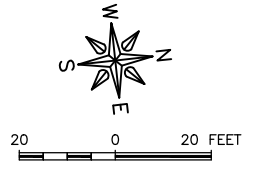
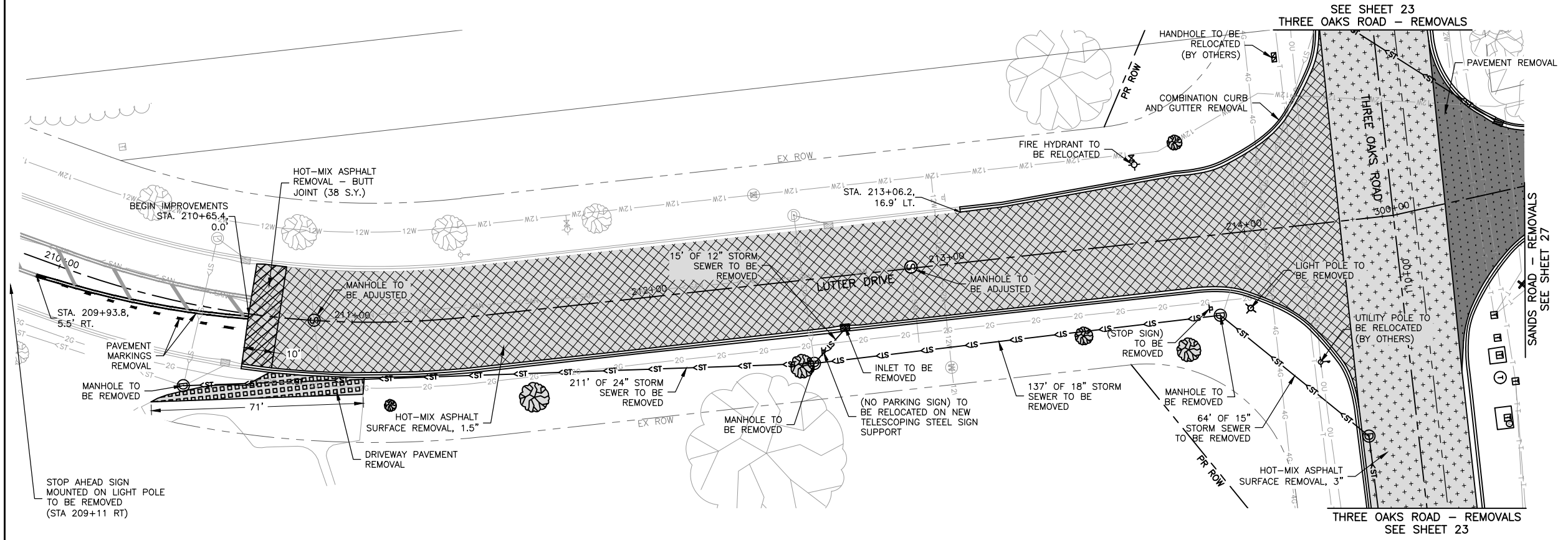
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL PLANS - THREE OAKS ROAD

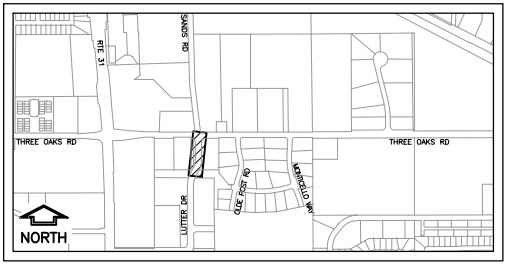
SCALE: AS NOTED SHEET 25 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	25
CONTRACT NO 61K35				

ILLINOIS FED. AID PROJECT



- LEGEND**
- PAVEMENT REMOVAL
 - HOT-MIX ASPHALT SURFACE REMOVAL, 3"
 - HOT-MIX ASPHALT SURFACE REMOVAL, 1.5"
 - DRIVEWAY PAVEMENT REMOVAL
 - COMBINATION CURB AND GUTTER REMOVAL
 - TREE REMOVAL (BY OTHERS)
 - SIGN REMOVAL
 - STORM STRUCTURE REMOVAL
 - LIGHT POLE REMOVAL



MODEL: C:\3D\22-22-071 PH01\22-071 Design.dwg, Removal_3A

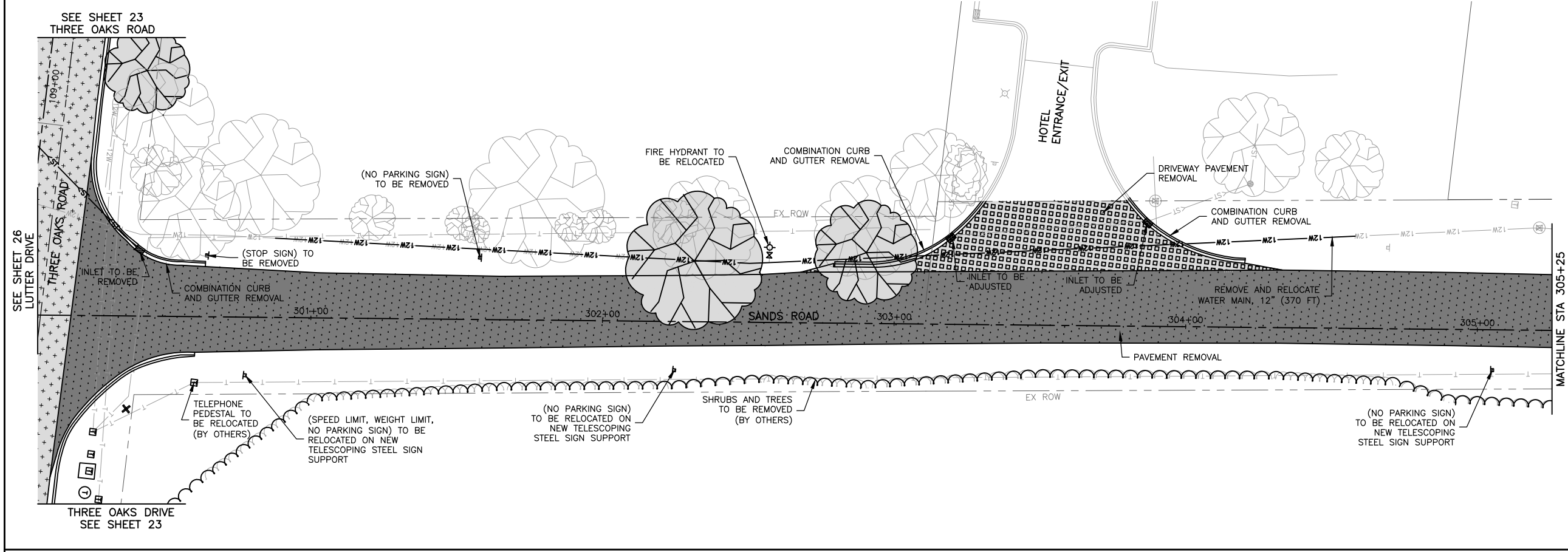
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PLOT DATE = 2/15/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

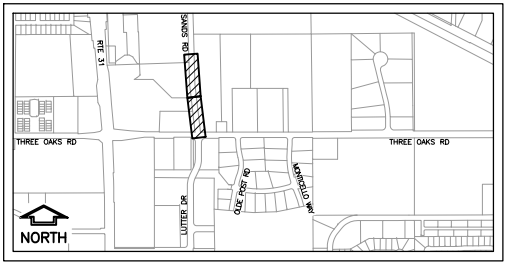
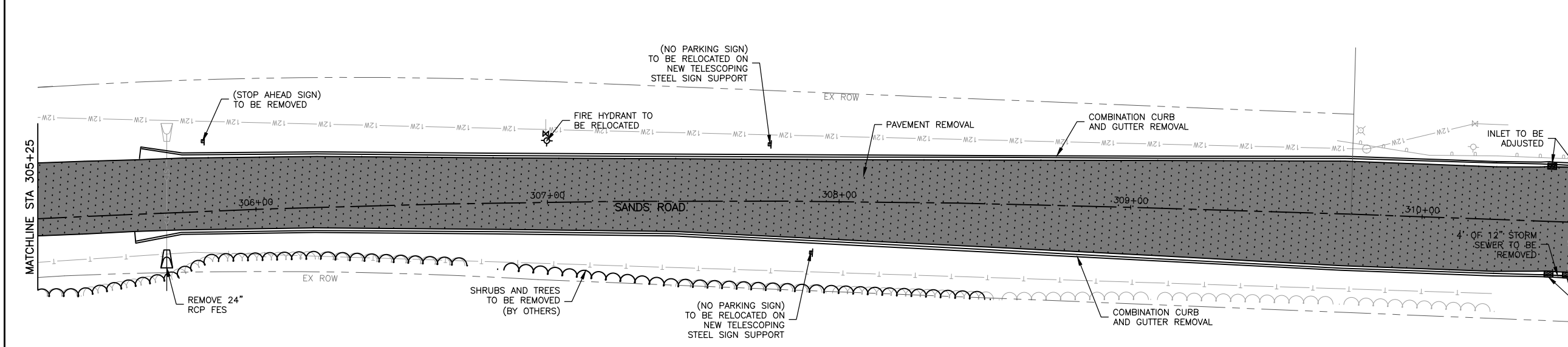
REMOVAL PLANS - LUTTER DRIVE
SCALE: AS NOTED SHEET 26 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	26
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				



LEGEND

- PAVEMENT REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- HOT-MIX ASPHALT SURFACE REMOVAL, 1.5"
- DRIVEWAY PAVEMENT REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL
- TREE REMOVAL (BY OTHERS)
- SIGN REMOVAL
- STORM STRUCTURE REMOVAL
- LIGHT POLE REMOVAL



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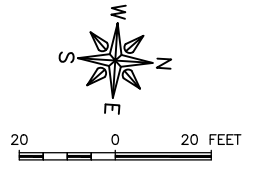
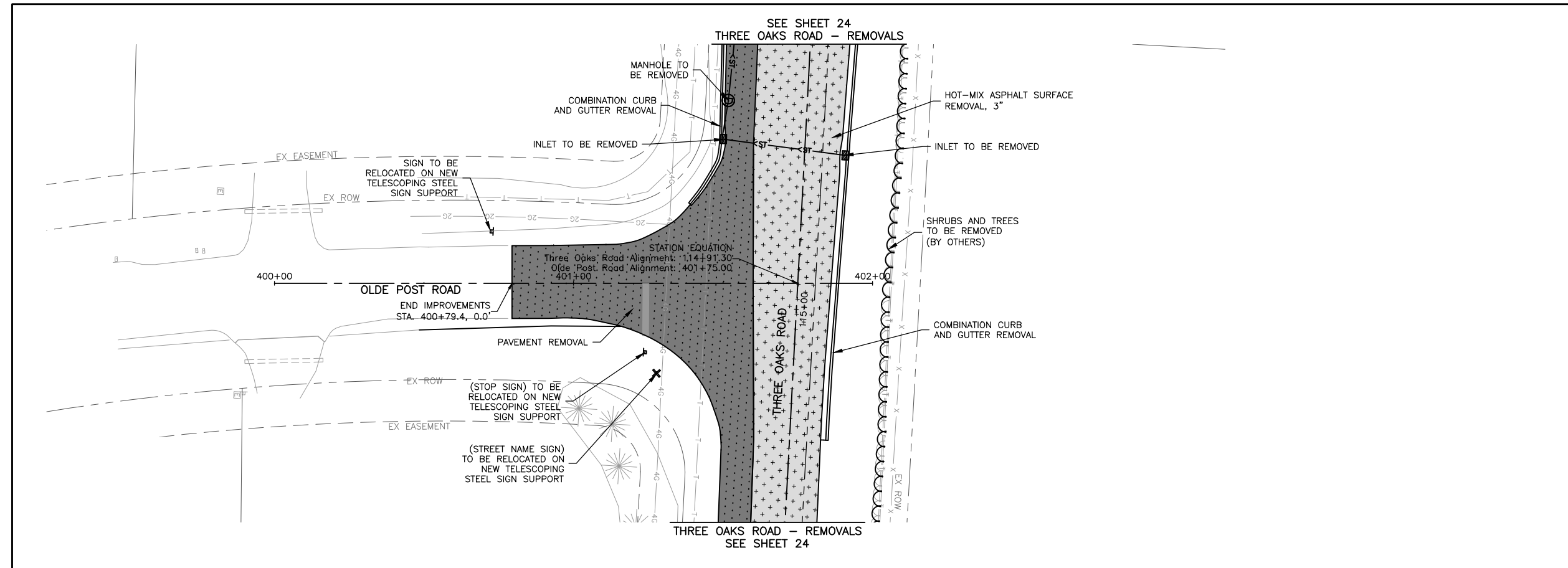
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	DATE -- 03/01/23	REVISED --

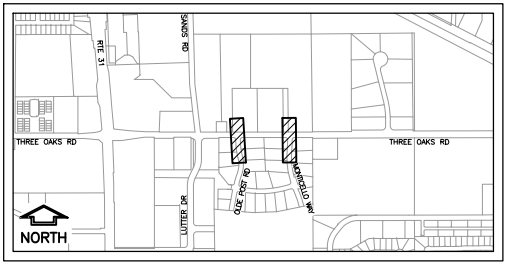
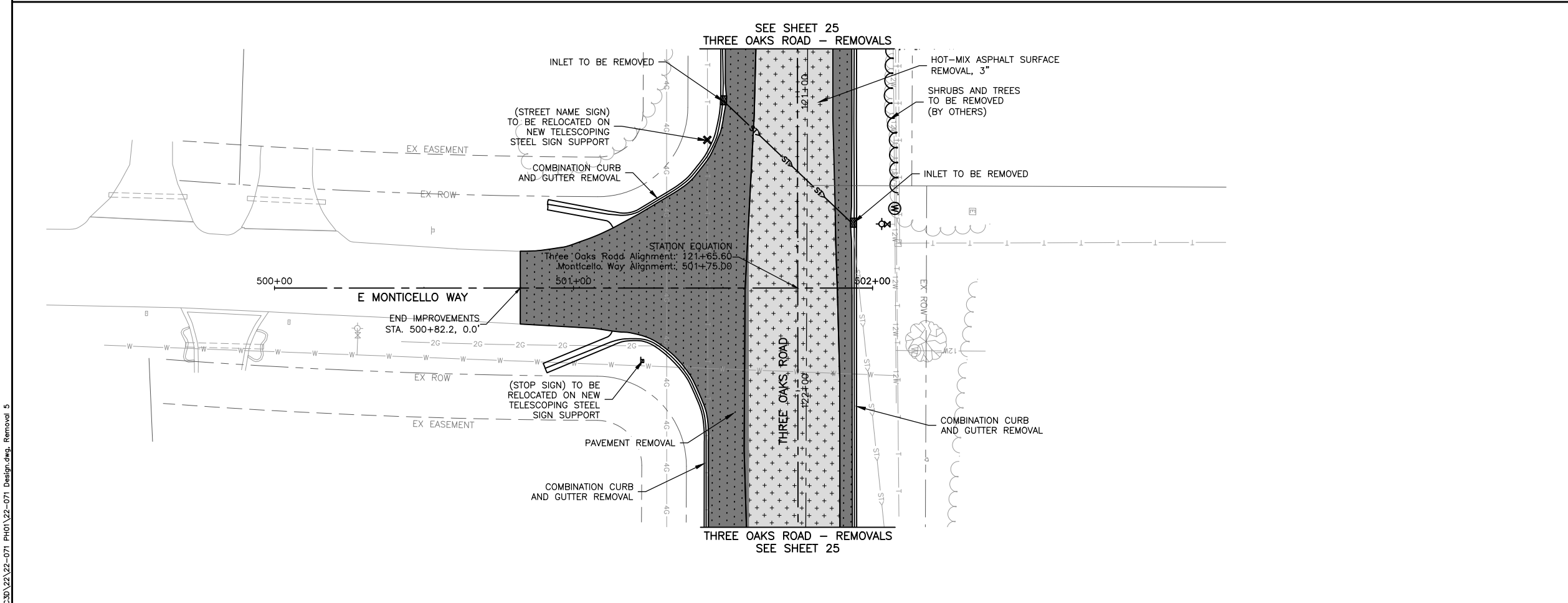
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DEPARTMENT OF TRANSPORTATION**

REMOVAL PLANS - SANDS ROAD			
SCALE: AS NOTED	SHEET 27	OF 129 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	27
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				



- LEGEND**
- PAVEMENT REMOVAL
 - HOT-MIX ASPHALT SURFACE REMOVAL, 3"
 - HOT-MIX ASPHALT SURFACE REMOVAL, 1.5"
 - DRIVEWAY PAVEMENT REMOVAL
 - COMBINATION CURB AND GUTTER REMOVAL
 - TREE REMOVAL (BY OTHERS)
 - SIGN REMOVAL
 - STORM STRUCTURE REMOVAL
 - LIGHT POLE REMOVAL



MODEL: C:\3D\22\22-071 PH01\22-071 Design.dwg, Removal 5

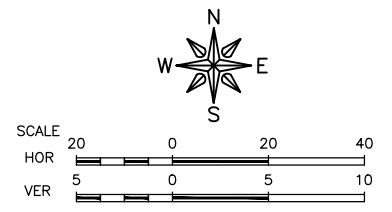
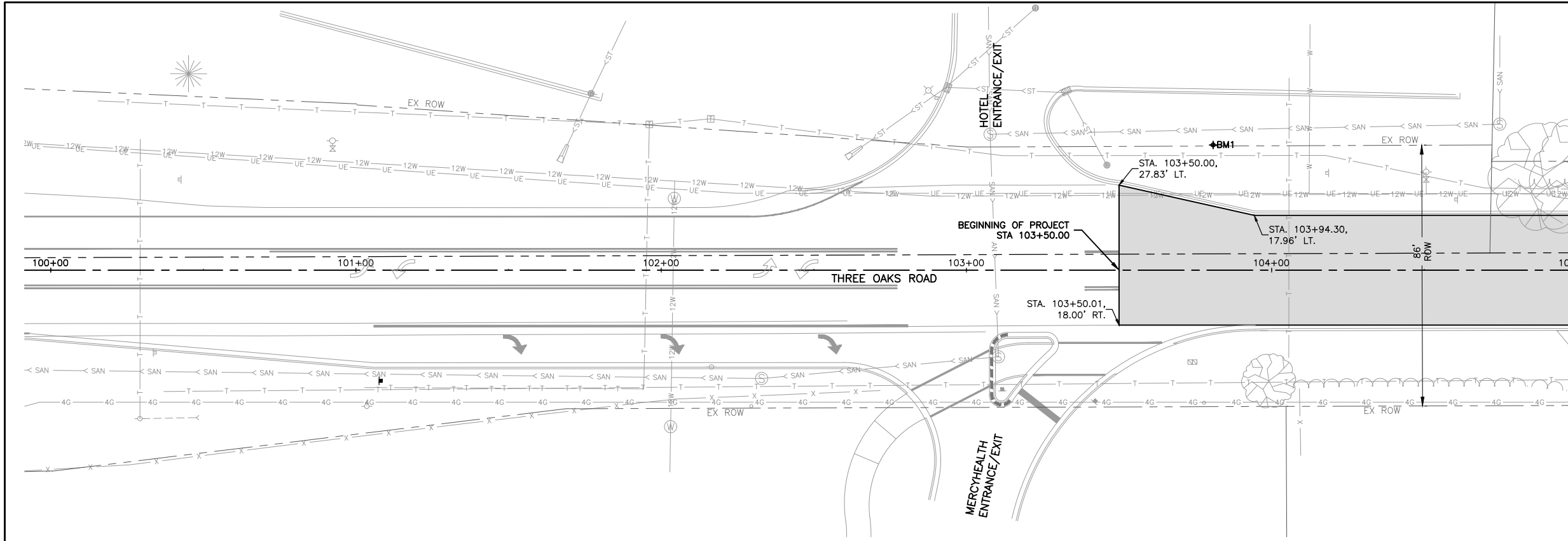
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USER NAME = BF/YJ	DESIGNED -- VL	REVISED --
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	DATE -- 03/01/23	REVISED --

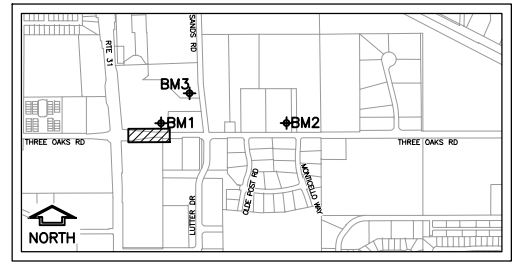
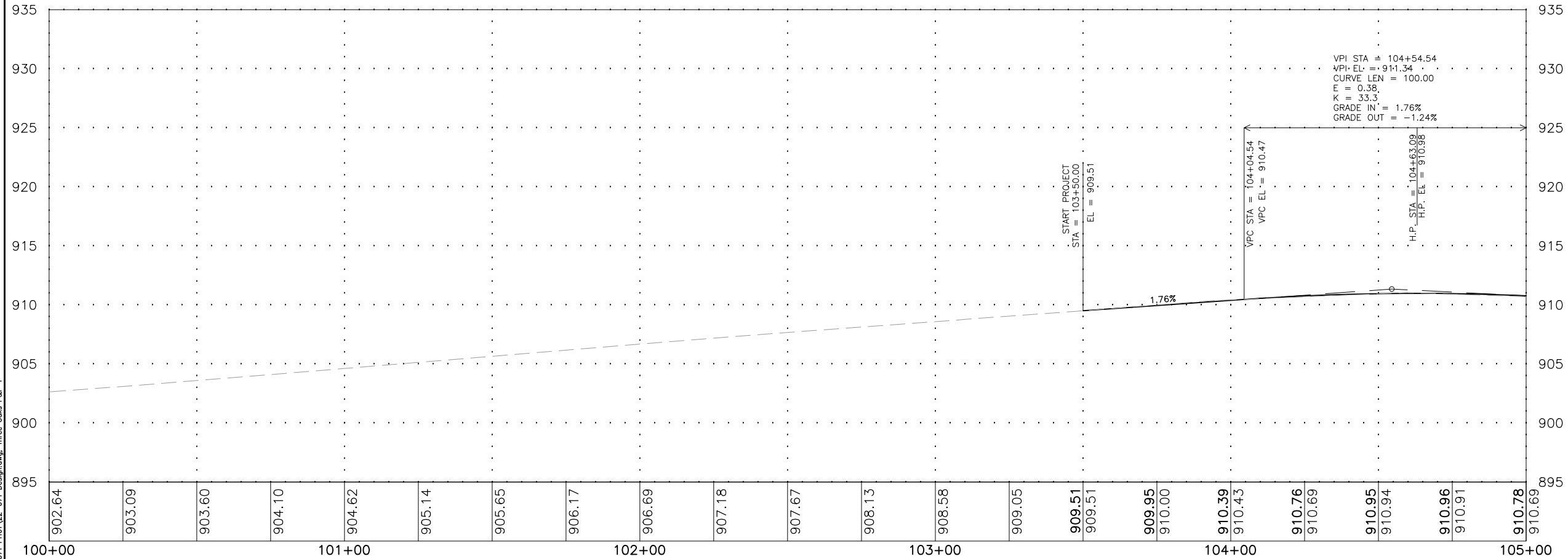
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL PLANS - OLDE POST ROAD AND MONTICELLO WAY			
SCALE: AS NOTED	SHEET 28	OF 129 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	28
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				



- LEGEND**
- HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1.5"
HMA BINDER COURSE, IL-9.5, N70, 1.5"
 - HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1.5"
HMA BINDER COURSE, IL-9.5, N70, 1.5"
HMA BASE COURSE, 8"
AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - HMA SURFACE COURSE, IL-9.5, MIX "D" N70, 1.5"
 - HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 3"
(IN 2 LIFTS)
AGGREGATE BASE COURSE, TYPE B, 4"
 - PCC SIDEWALK, 5".
 - DETECTABLE WARNING.



BENCHMARKS

BM1 = 5/8" REBAR (CP#4)	N 2022431.59, E 997469.81, ELEV 911.90
BM2 = BOLT IN MULLER (CP#4290)	N 2022428.03, E 999232.83, ELEV 907.44
BM3 = 5/8" CAPPED REBAR (CP#101)	N 2022947.40 E 997953.67, ELEV 911.15

MODEL: FILE NAME: C:\3D\22-071 PH01\22-071 Design.dwg, Three Oaks P&P 1



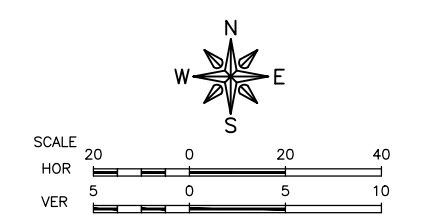
USER NAME = BF/YJ	DESIGNED = VL	REVISED =
PLOT SCALE = AS NOTED	DRAWN = BF/YJ	REVISED =
PLOT DATE = 2/15/24	CHECKED =	REVISED =
	DATE = 03/01/23	REVISED =

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

THREE OAKS ROAD PLAN & PROFILE

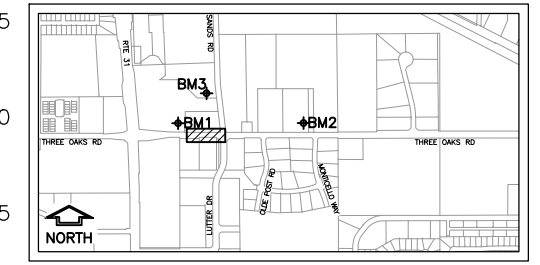
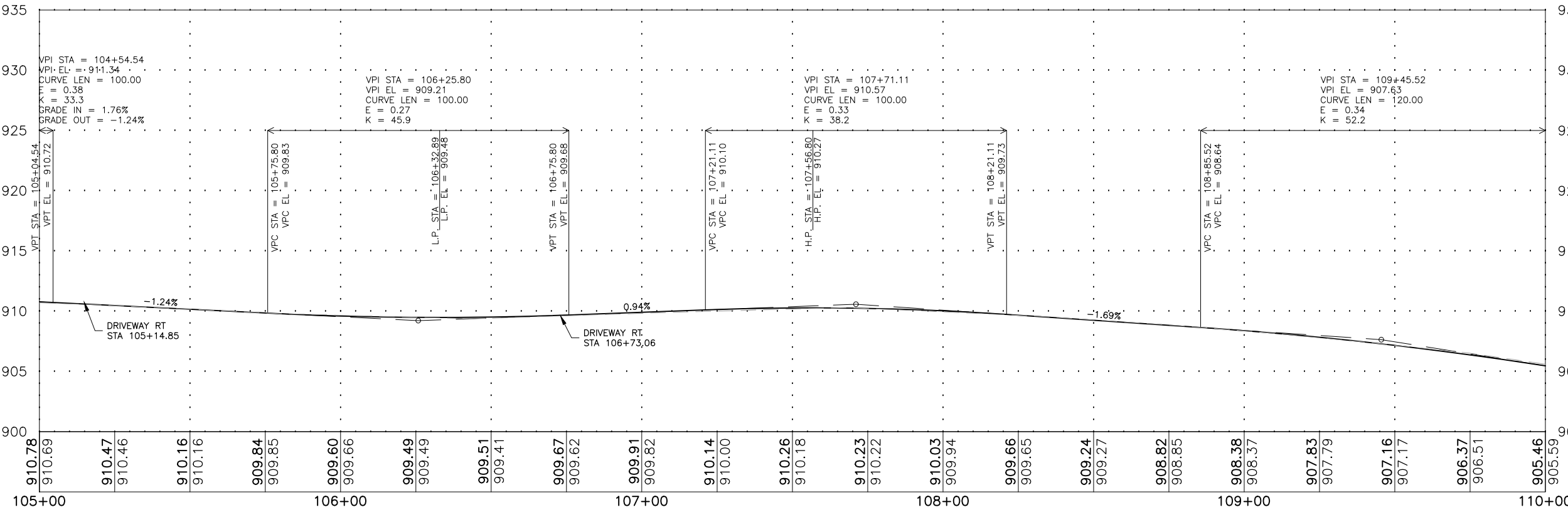
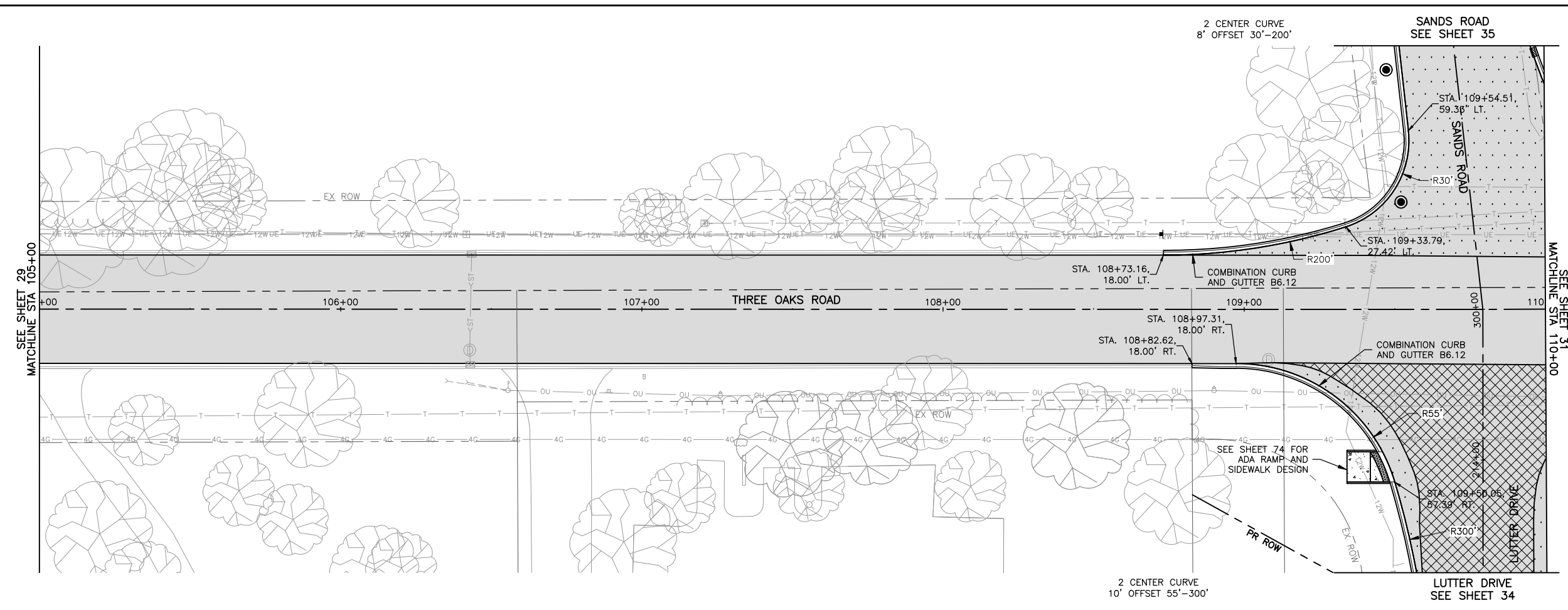
SCALE: AS NOTED SHEET 29 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	29
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				



LEGEND

- HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1.5"
- HMA BINDER COURSE, IL-9.5, N70, 1.5"
- HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1.5"
- HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 3" (IN 2 LIFTS)
- HMA BASE COURSE, 8" AGGREGATE SUBGRADE IMPROVEMENT, 12"
- HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1.5"
- HMA BINDER COURSE, IL-9.5, N70, 1.5"
- HMA BASE COURSE, 8" AGGREGATE SUBGRADE IMPROVEMENT, 12"
- PCC SIDEWALK, 5".
- DETECTABLE WARNING.



BENCHMARKS

BM1 = 5/8" REBAR (CP#4)	N 2022431.59, E 997469.81, ELEV 911.90
BM2 = BOLT IN MULLER (CP#4290)	N 2022428.03, E 999232.83, ELEV 907.44
BM3 = 5/8" CAPPED REBAR (CP#101)	N 2022947.40 E 997953.67, ELEV 911.15

MODEL: FILE NAME: C:\3D\22-071 PH01\22-071 Design.dwg, Three Oaks P&P 2



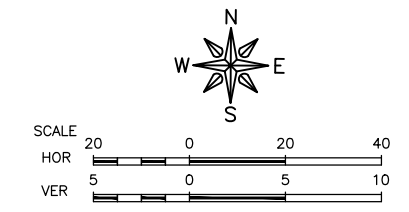
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PLOT DATE = 2/15/24	CHECKED =	REVISED =
	DATE = 03/01/23	REVISED =

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

THREE OAKS ROAD PLAN & PROFILE

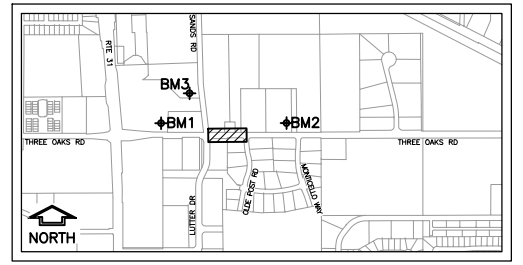
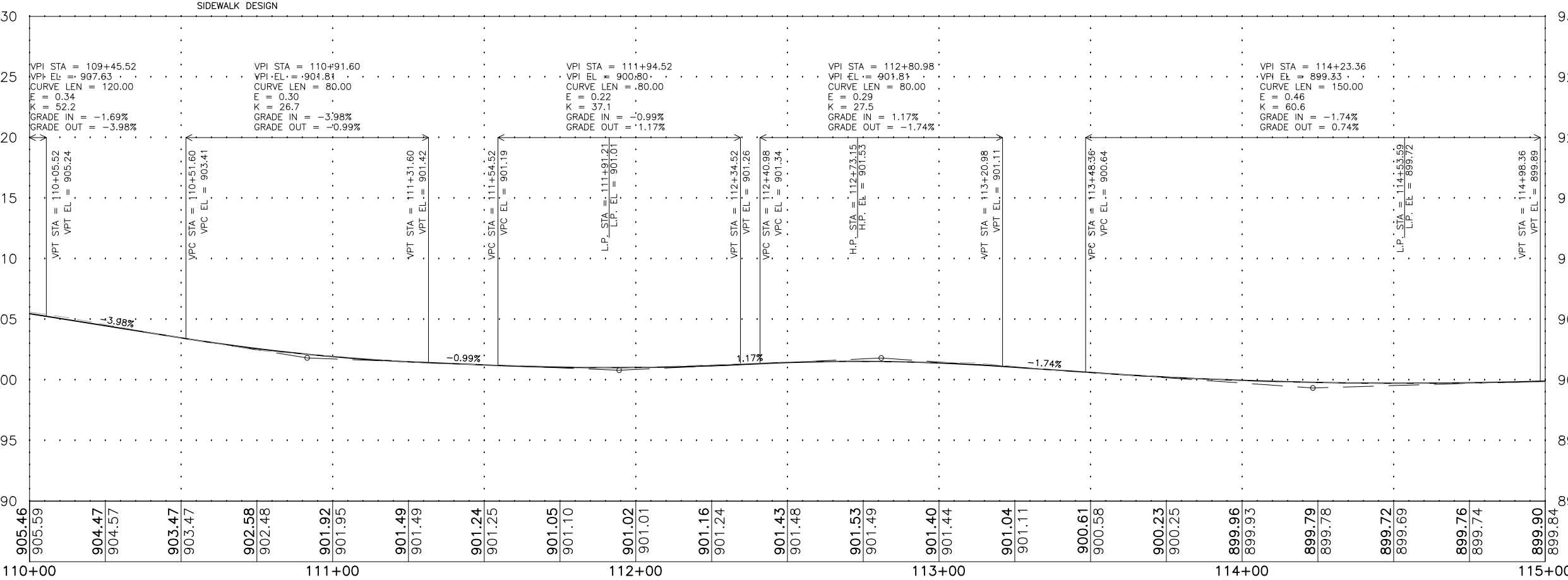
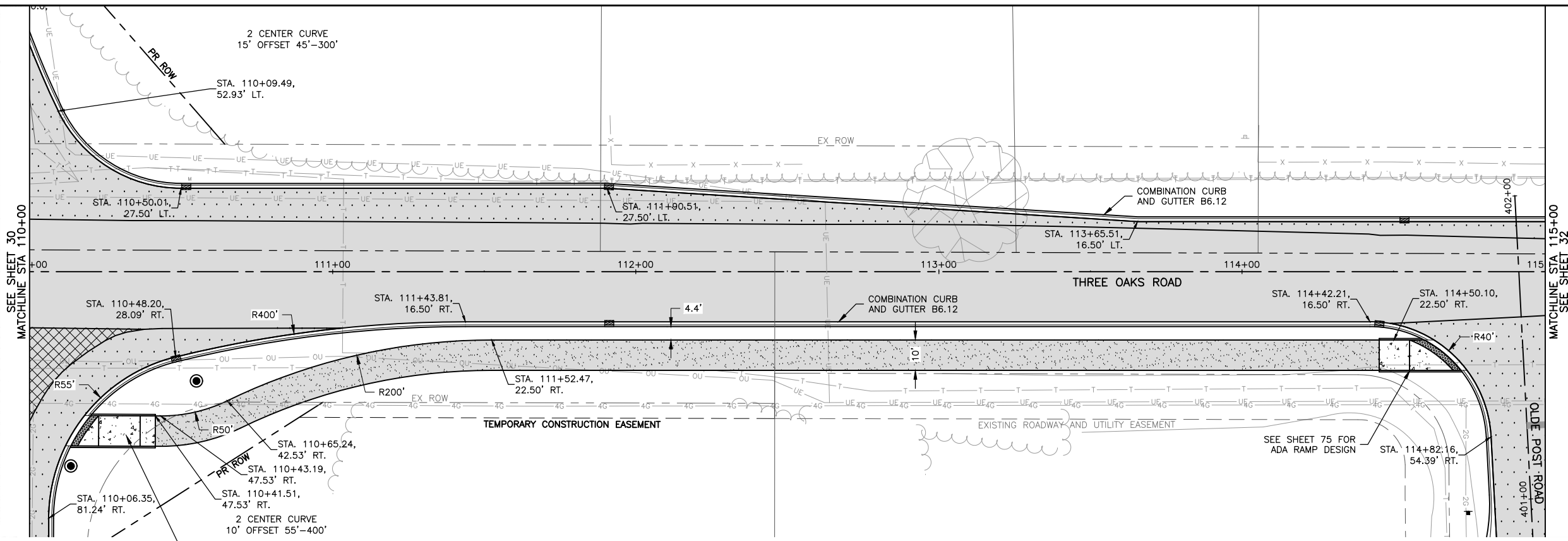
SCALE: AS NOTED	SHEET 30 OF 129 SHEETS	STA. TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	30
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				



LEGEND

- HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1.5"
- HMA BINDER COURSE, IL-9.5, N70, 1.5"
- HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1.5"
- HMA BINDER COURSE, IL-9.5, N70, 1.5"
- HMA BASE COURSE, 8" AGGREGATE SUBGRADE IMPROVEMENT, 12".
- HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1.5"
- HMA BINDER COURSE, IL-9.5, MIX "D", N50, 3" (IN 2 LIFTS).
- AGGREGATE BASE COURSE, TYPE B, 4".
- PCC SIDEWALK, 5".
- DETECTABLE WARNING.



BENCHMARKS

BM1 = 5/8" REBAR (CP#4)	N 2022431.59, E 997469.81, ELEV 911.90
BM2 = BOLT IN MULLER (CP#4290)	N 2022428.03, E 999232.83, ELEV 907.44
BM3 = 5/8" CAPPED REBAR (CP#101)	N 2022947.40 E 997953.67, ELEV 911.15

MODEL: FILE NAME: C:\3D\22-071 PH01\22-071 Design.dwg, Three Oaks P&P 3

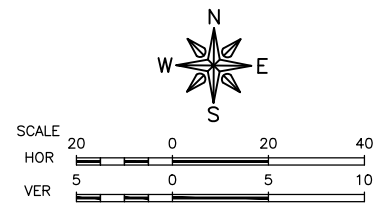


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	DATE = 03/01/23	REVISED =

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

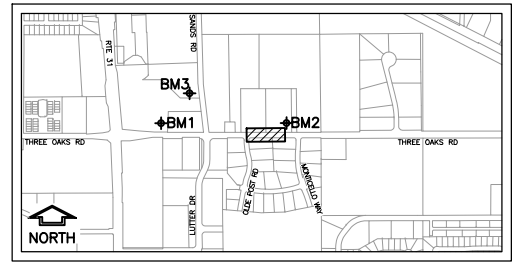
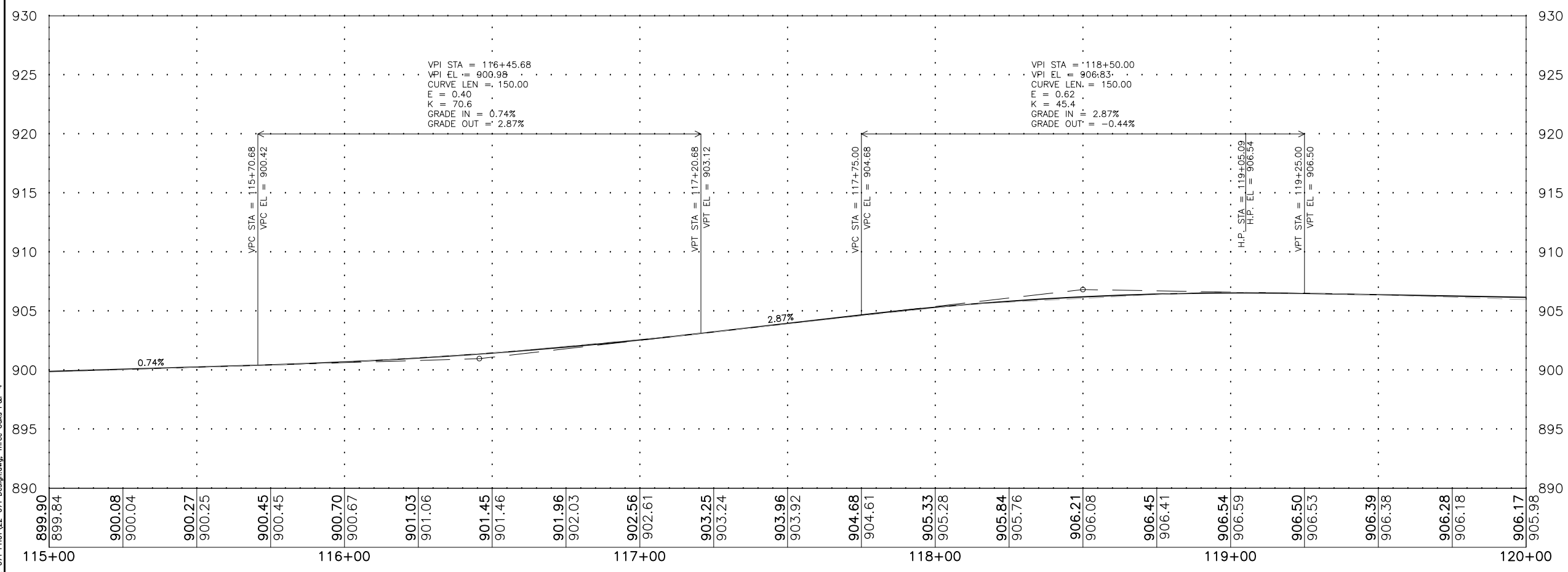
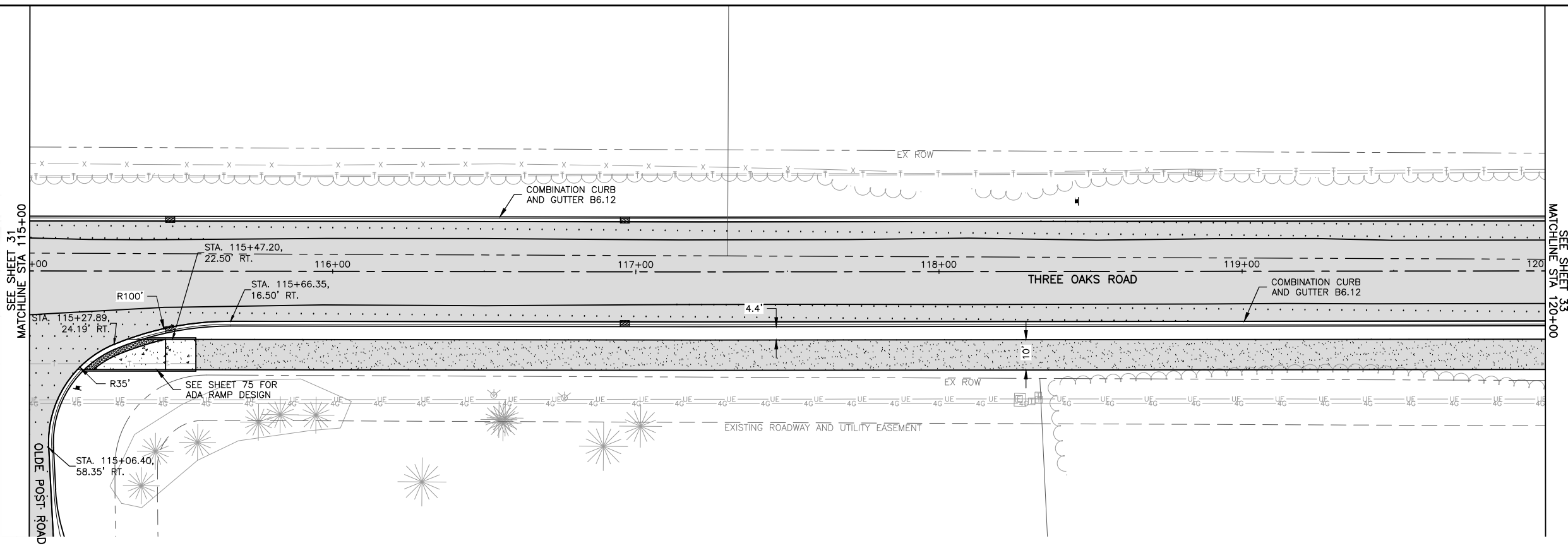
THREE OAKS ROAD PLAN & PROFILE			
SCALE: AS NOTED	SHEET 31	OF 129 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	31
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				



LEGEND

- HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1.5"
- HMA BINDER COURSE, IL-9.5, N70, 1.5"
- HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1.5"
- HMA BINDER COURSE, IL-9.5, N70, 1.5"
- HMA BASE COURSE, 8"
- AGGREGATE SUBGRADE IMPROVEMENT, 12"
- HMA SURFACE COURSE, IL-9.5, MIX "D" N70, 1.5"
- HMA BINDER COURSE, IL-9.5, MIX "D", N50, 3" (IN 2 LIFTS)
- AGGREGATE BASE COURSE, TYPE B, 4"
- PCC SIDEWALK, 5"
- DETECTABLE WARNING.



KEY MAP

BENCHMARKS

BM1 = 5/8" REBAR (CP#4)	N 2022431.59, E 997469.81, ELEV 911.90
BM2 = BOLT IN MULLER (CP#4290)	N 2022428.03, E 999232.83, ELEV 907.44
BM3 = 5/8" CAPPED REBAR (CP#101)	N 2022947.40 E 997953.67, ELEV 911.15

MODEL: FILE NAME: C:\3D\22-071 PH01\22-071 Design.dwg, Three Oaks P&P 4

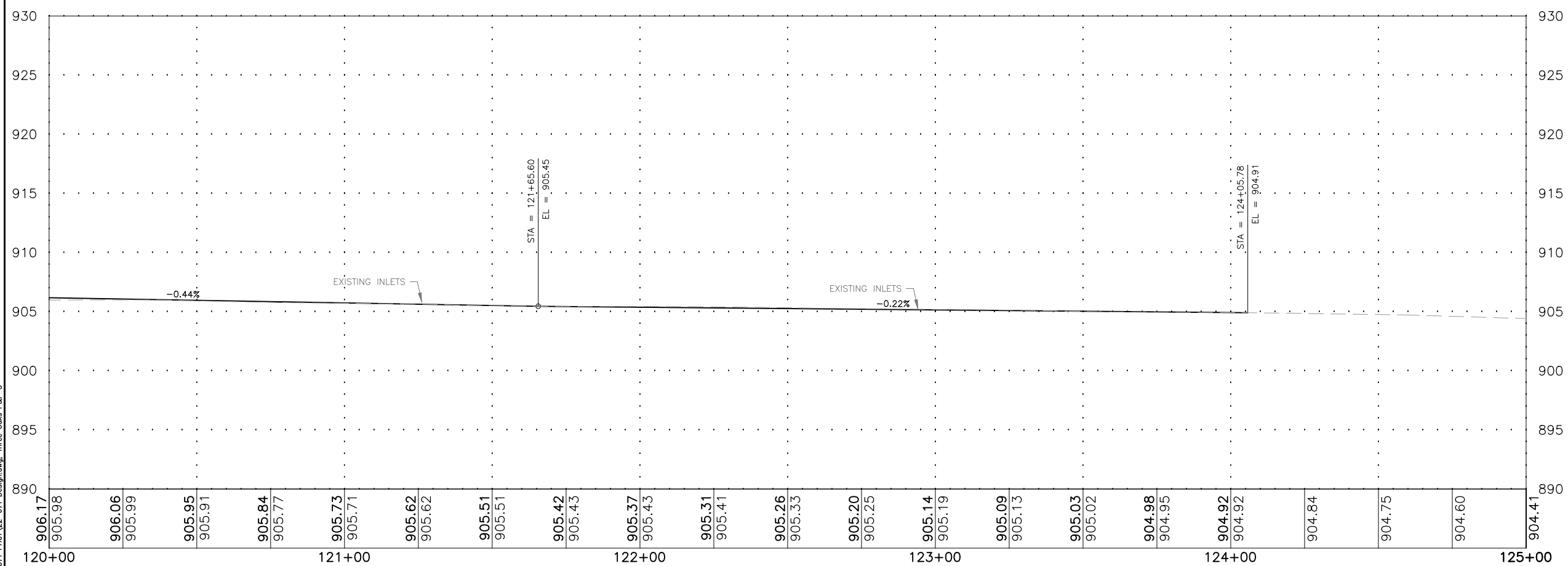
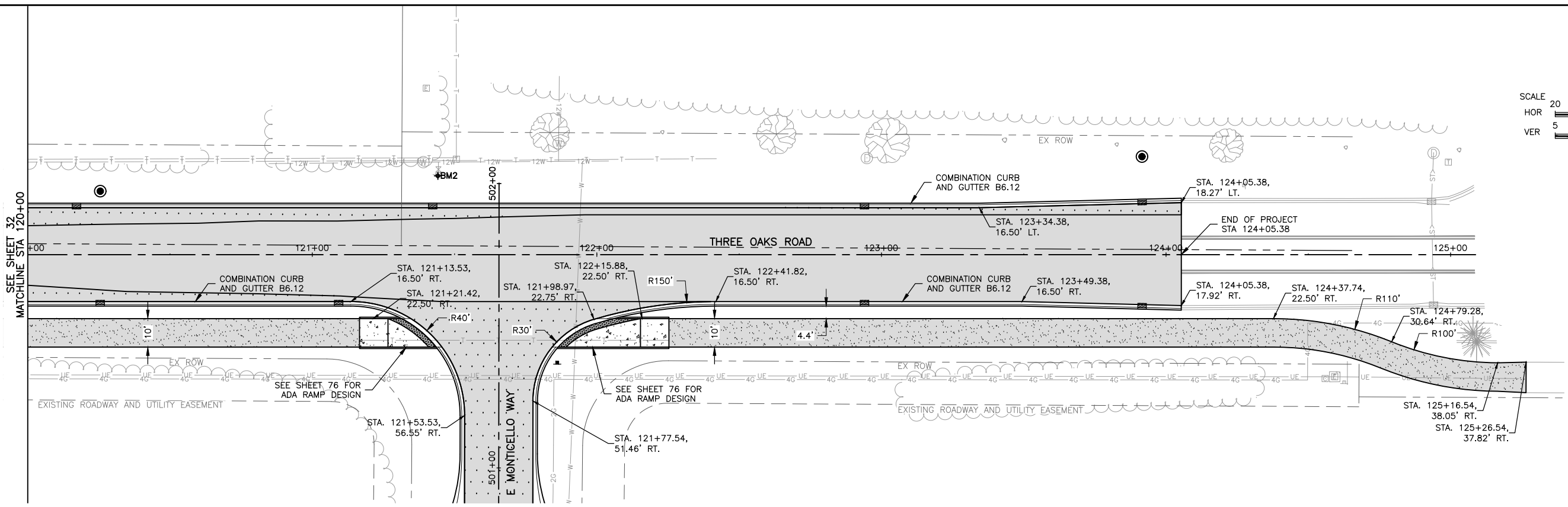
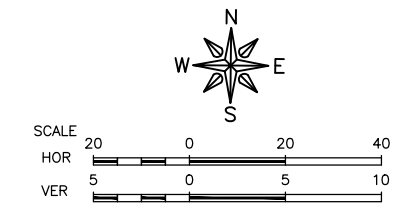


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	DATE = 03/01/23	REVISED =

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

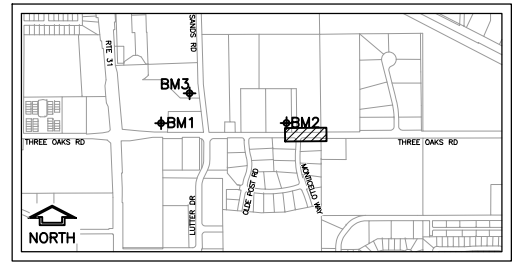
THREE OAKS ROAD PLAN & PROFILE			
SCALE: AS NOTED	SHEET 32	OF 129 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	32
CONTRACT NO 61K35			ILLINOIS FED. AID PROJECT	



LEGEND

- HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1.5" HMA BINDER COURSE, IL-9.5, N70, 1.5"
- HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1.5" HMA BINDER COURSE, IL-9.5, N70, 1.5" HMA BASE COURSE, 8" AGGREGATE SUBGRADE IMPROVEMENT, 12"
- HMA SURFACE COURSE, IL-9.5, MIX "D" N70, 1.5"
- HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 3" (IN 2 LIFTS). AGGREGATE BASE COURSE, TYPE B, 4"
- PCC SIDEWALK, 5"
- DETECTABLE WARNING.



BENCHMARKS

BM1 = 5/8" REBAR (CP#4)	N 2022431.59, E 997469.81, ELEV 911.90
BM2 = BOLT IN MULLER (CP#4290)	N 2022428.03, E 999232.83, ELEV 907.44
BM3 = 5/8" CAPPED REBAR (CP#101)	N 2022947.40 E 997953.67, ELEV 911.15

MODEL FILE NAME: C:\3D\22-071 PH01\22-071 Design.dwg, Three Oaks P&P 5



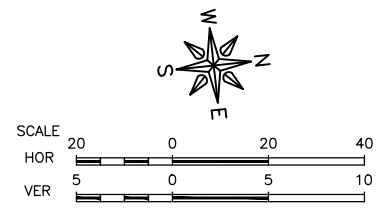
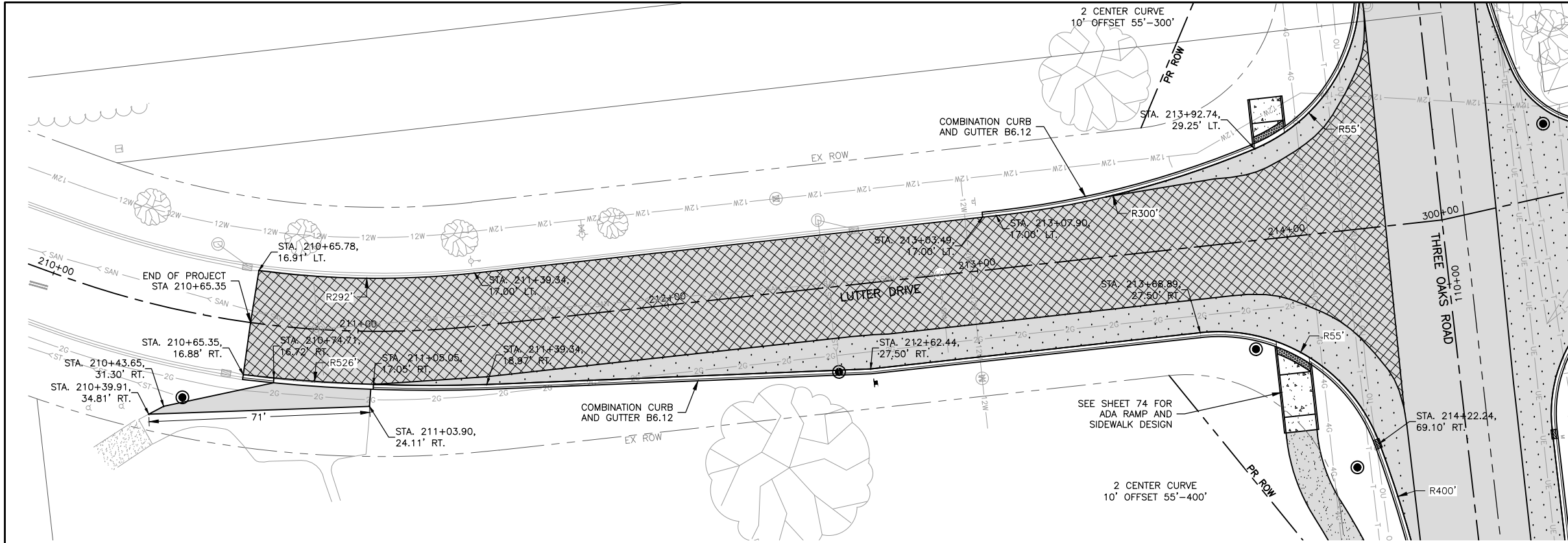
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PLOT SCALE = AS NOTED	DRAWN = BF/YJ	REVISED =
PLOT DATE = 2/15/24	CHECKED =	REVISED =
	DATE = 03/01/23	REVISED =

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

THREE OAKS ROAD PLAN & PROFILE

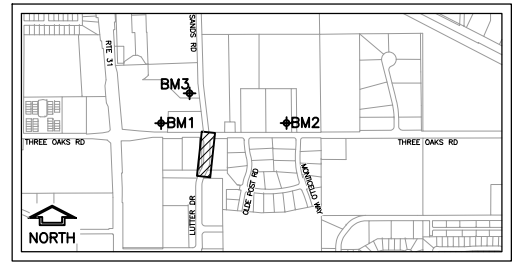
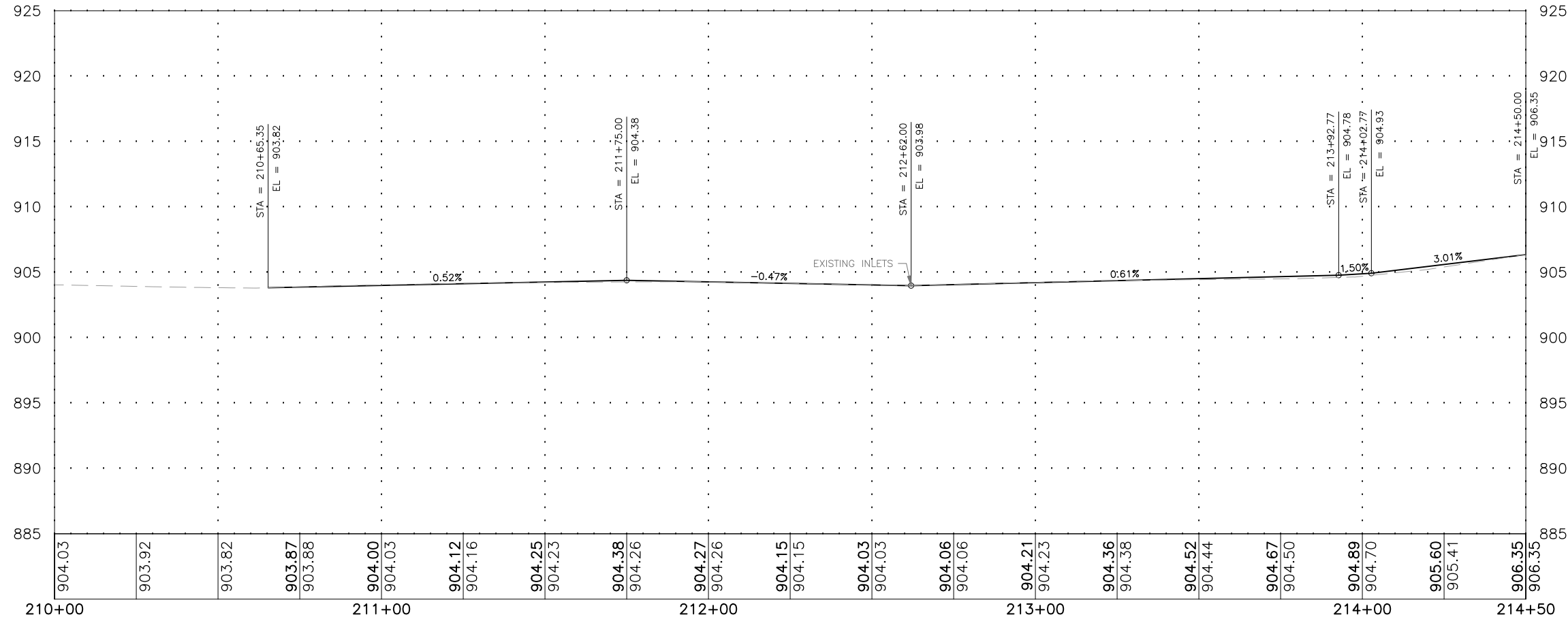
SCALE: AS NOTED	SHEET 33 OF 129 SHEETS	STA. TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	33
CONTRACT NO 61K35			ILLINOIS FED. AID PROJECT	



LEGEND

- HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1.5"
- HMA BINDER COURSE, IL-9.5, N70, 1.5"
- HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1.5"
- HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 3" (IN 2 LIFTS)
- AGGREGATE SUBGRADE IMPROVEMENT, 12"
- AGGREGATE BASE COURSE, TYPE B, 4"
- PCC SIDEWALK, 5"
- DETECTABLE WARNING.



BENCHMARKS

BM1 = 5/8" REBAR (CP#4)	N 2022431.59, E 997469.81, ELEV 911.90
BM2 = BOLT IN MULLER (CP#4290)	N 2022428.03, E 999232.83, ELEV 907.44
BM3 = 5/8" CAPPED REBAR (CP#101)	N 2022947.40 E 997953.67, ELEV 911.15

MODEL FILE NAME: C:\3D\22-071 PH01\22-071 Design.dwg, Lutter P&P 1



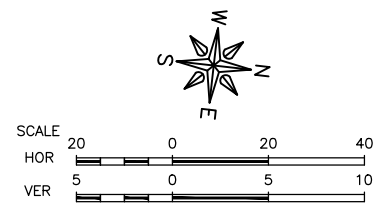
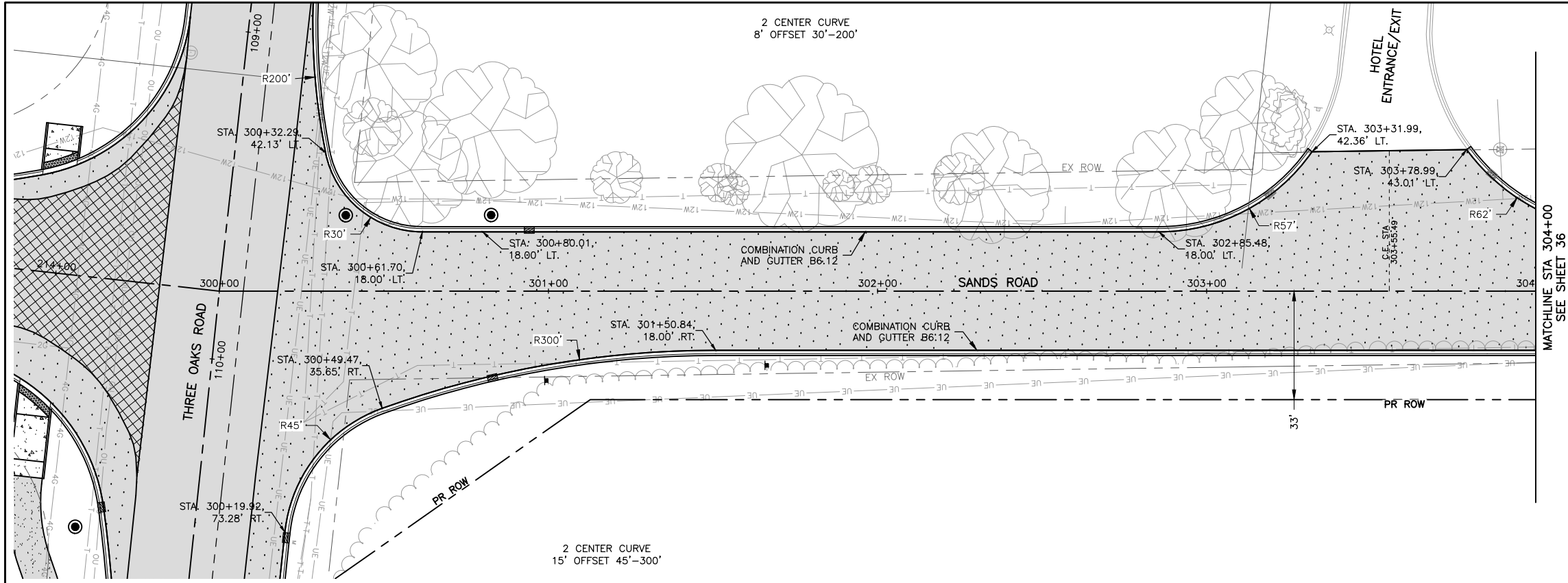
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PLOT DATE = 2/15/24	CHECKED =	REVISED =
	DATE = 03/01/23	REVISED =

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

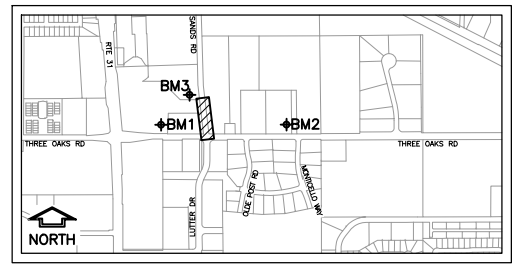
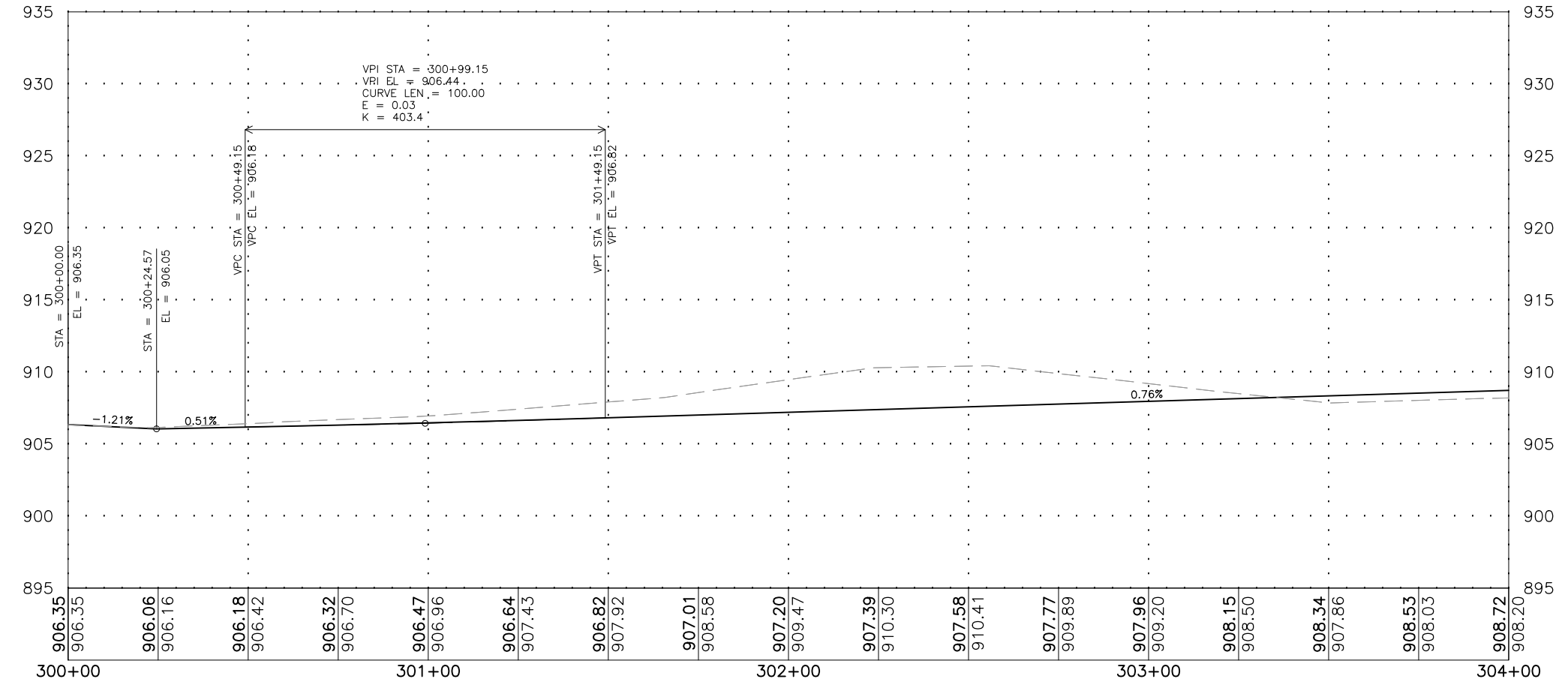
LUTTER DRIVE PLAN & PROFILE

SCALE: AS NOTED	SHEET 34 OF 129 SHEETS	STA. TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	34
CONTRACT NO 61K35			ILLINOIS FED. AID PROJECT	



- LEGEND**
- HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1.5"
 - HMA BINDER COURSE, IL-9.5, N70, 1.5"
 - HMA SURFACE COURSE, IL-9.5, MIX "D" N70, 1.5"
 - HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 3" (IN 2 LIFTS)
 - AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - AGGREGATE BASE COURSE, TYPE B, 4"
 - PCC SIDEWALK, 5"
 - DETECTABLE WARNING.



BENCHMARKS

BM1 = 5/8" REBAR (CP#4)	N 2022431.59, E 997469.81, ELEV 911.90
BM2 = BOLT IN MULLER (CP#4290)	N 2022428.03, E 999232.83, ELEV 907.44
BM3 = 5/8" CAPPED REBAR (CP#101)	N 2022947.40 E 997953.67, ELEV 911.15

MODEL: FILE NAME: C:\300\22-071 PH01\22-071 Design.dwg, Sands P&P1

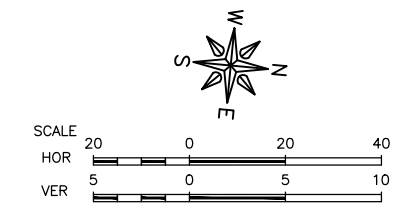


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	DATE = 03/01/23	REVISED =

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

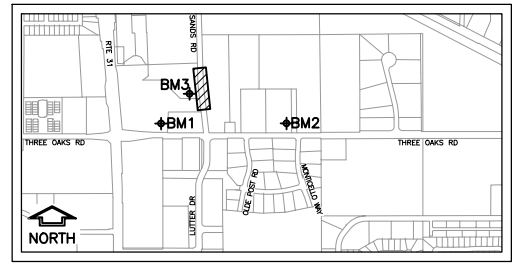
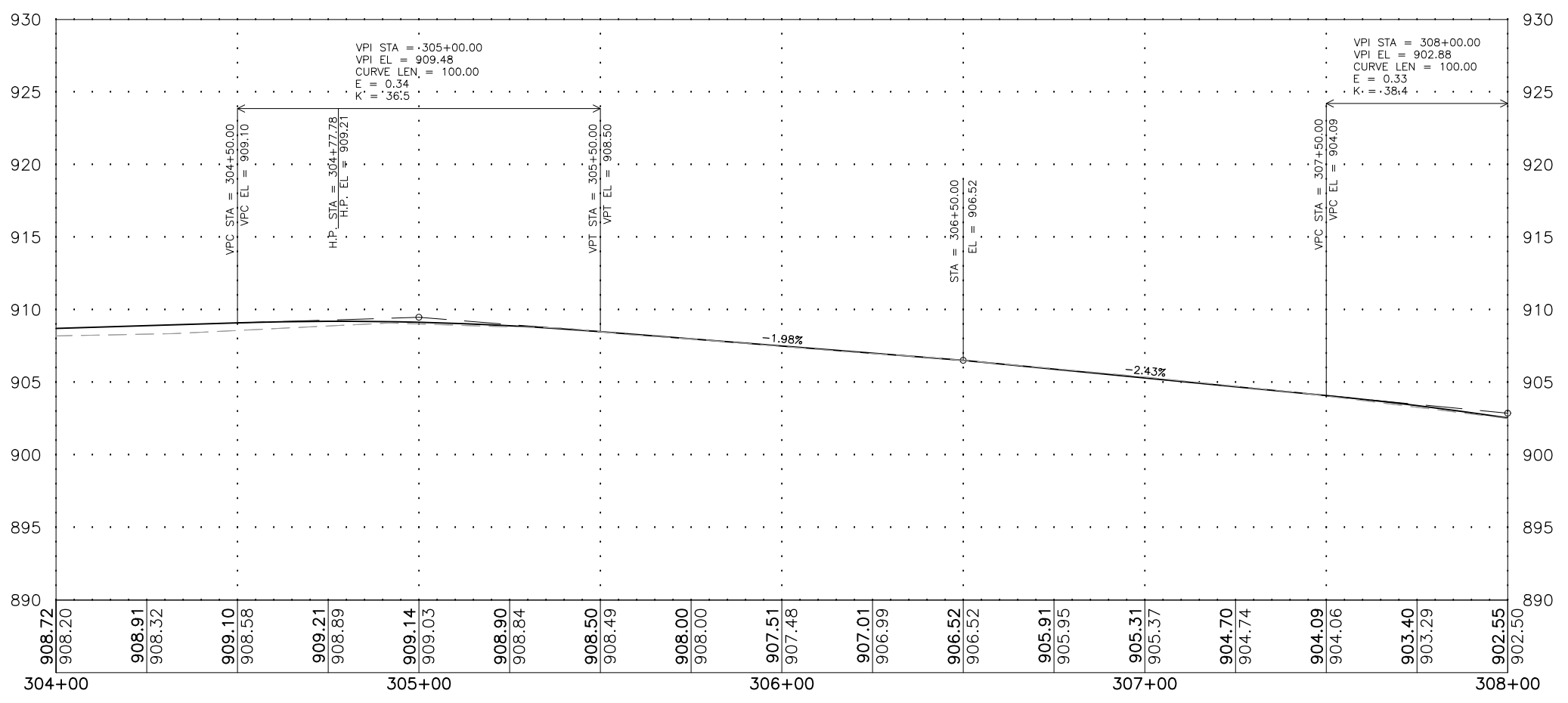
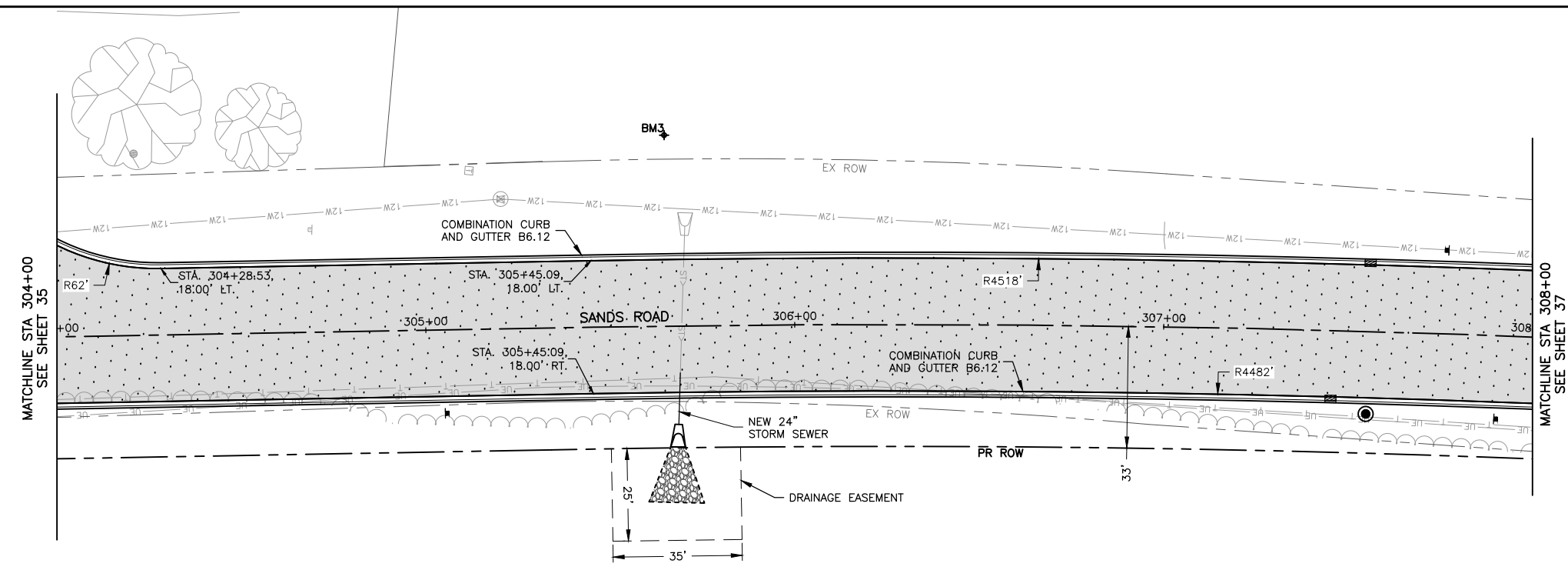
SANDS ROAD PLAN & PROFILE			
SCALE: AS NOTED	SHEET 35	OF 129 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	35
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				



LEGEND

- HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1.5"
- HMA BINDER COURSE, IL-9.5, N70, 1.5"
- HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1.5"
- HMA BINDER COURSE, IL-9.5, N70, 1.5"
- HMA BASE COURSE, 8"
- AGGREGATE SUBGRADE IMPROVEMENT, 12"
- HMA SURFACE COURSE, IL-9.5, MIX "D" N70, 1.5"
- HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 3" (IN 2 LIFTS)
- AGGREGATE BASE COURSE, TYPE B, 4"
- PCC SIDEWALK, 5"
- DETECTABLE WARNING.



KEY MAP

BM1 = 5/8" REBAR (CP#4)
 N 2022431.59, E 997469.81, ELEV 911.90
 BM2 = BOLT IN MULLER (CP#4290)
 N 2022428.03, E 999232.83, ELEV 907.44
 BM3 = 5/8" CAPPED REBAR (CP#101)
 N 2022947.40 E 997953.67, ELEV 911.15

BENCHMARKS

MODEL: FILE NAME: C:\3D\22-071 PH01\22-071 Design.dwg, Sands P&P2



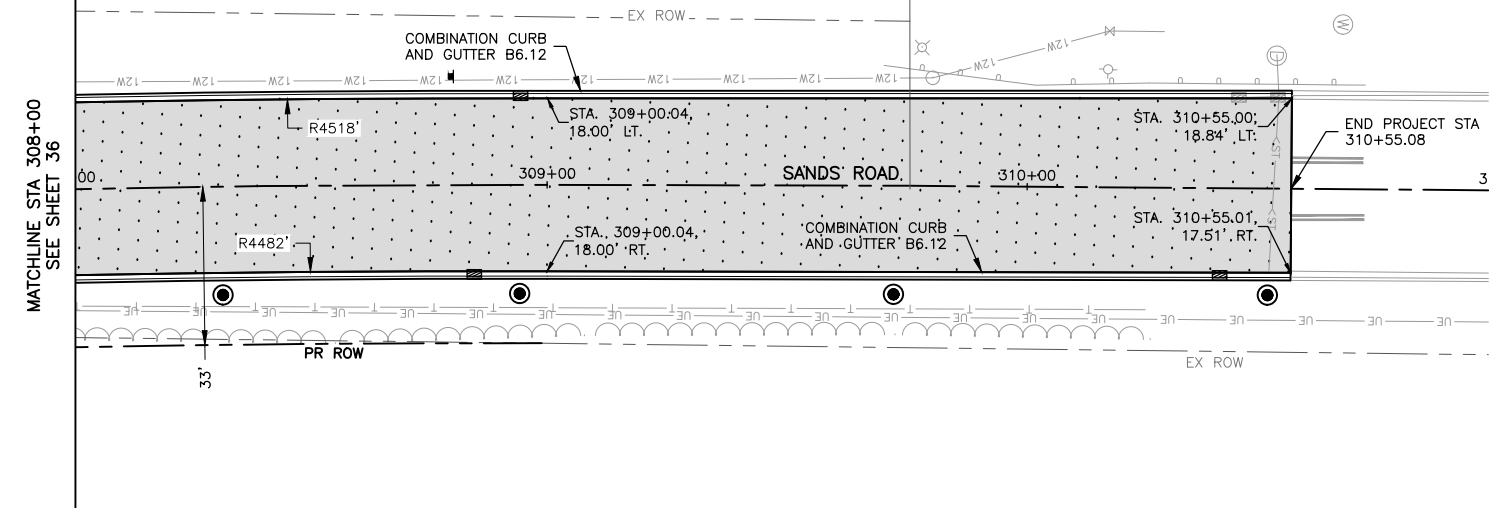
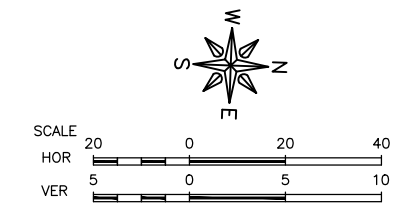
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	DATE = 03/01/23	REVISED =

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

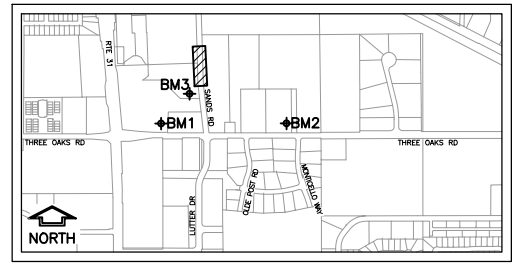
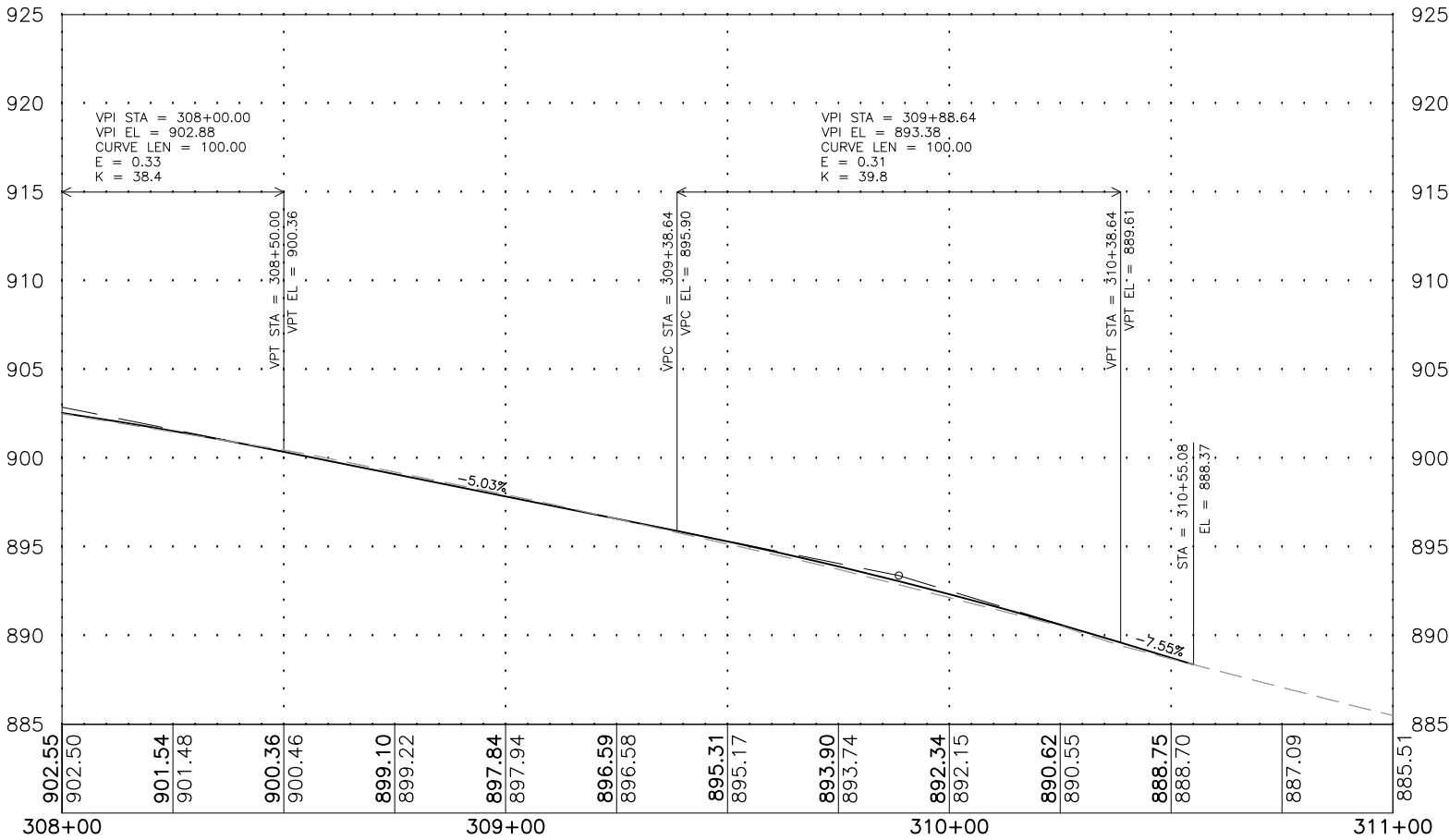
SANDS ROAD PLAN & PROFILE

SCALE: AS NOTED SHEET 36 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	36
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1.5"
HMA BINDER COURSE, IL-9.5, N70, 1.5"
 - HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1.5"
HMA BINDER COURSE, IL-9.5, N70, 1.5"
HMA BASE COURSE, 8"
AGGREGATE SUBGRADE IMPROVEMENT, 12".
 - HMA SURFACE COURSE, IL-9.5, MIX "D" N70, 1.5".
 - HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 3"
(IN 2 LIFTS).
AGGREGATE BASE COURSE, TYPE B, 4".
 - PCC SIDEWALK, 5".
 - DETECTABLE WARNING.



- KEY MAP**
- BM1 = 5/8" REBAR (CP#4)
N 2022431.59, E 997469.81, ELEV 911.90
 - BM2 = BOLT IN MULLER (CP#4290)
N 2022428.03, E 999232.83, ELEV 907.44
 - BM3 = 5/8" CAPPED REBAR (CP#101)
N 2022947.40 E 997953.67, ELEV 911.15

BENCHMARKS

MODEL: FILE NAME: C:\3D\22-071-071-Design.dwg, Sands P&P3



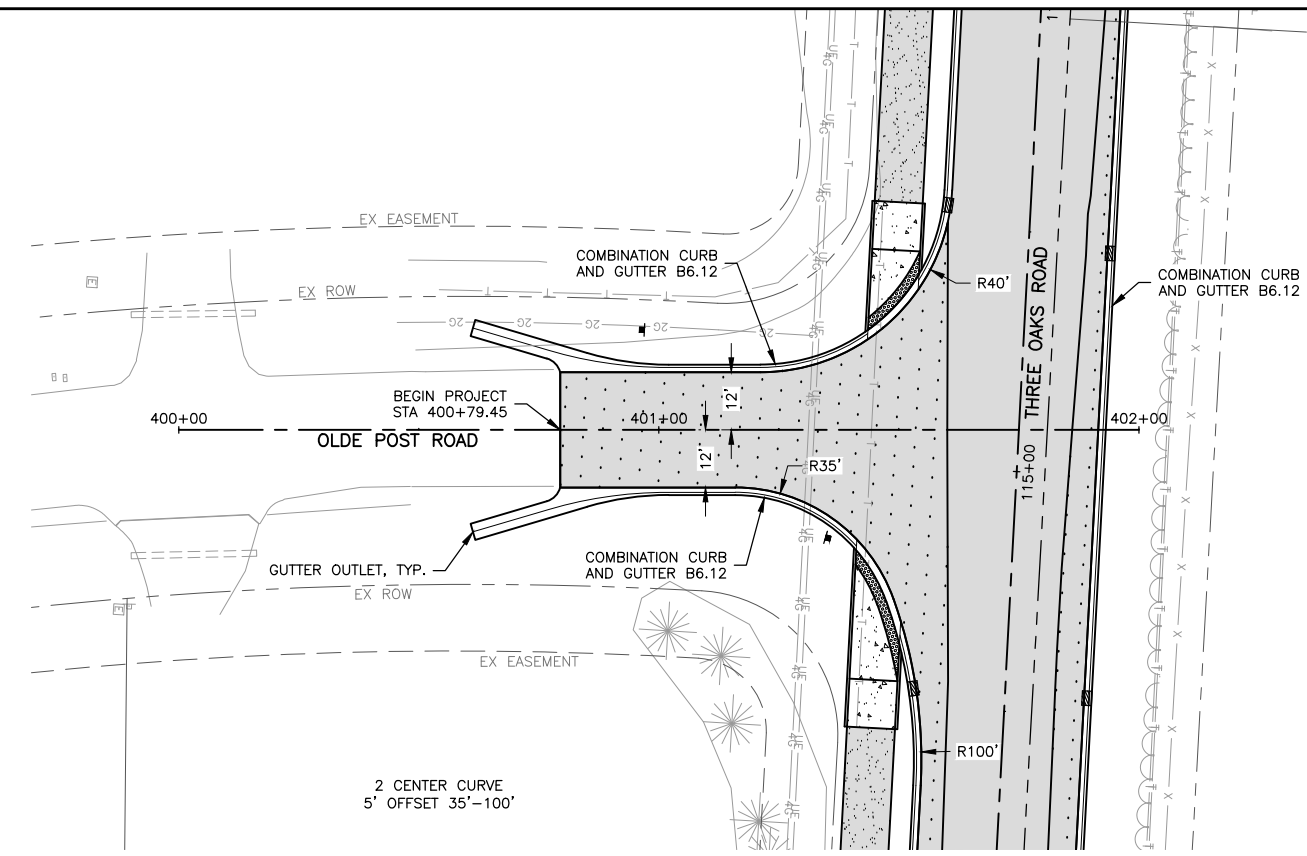
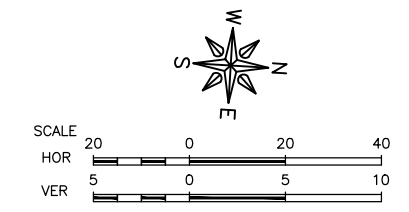
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PLOT SCALE = AS NOTED	DRAWN = BF/YJ	REVISED =
PLOT DATE = 2/15/24	CHECKED =	REVISED =
	DATE = 03/01/23	REVISED =

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SANDS ROAD PLAN & PROFILE

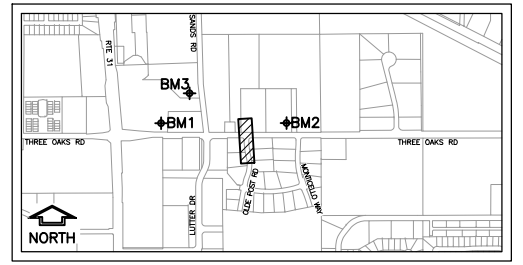
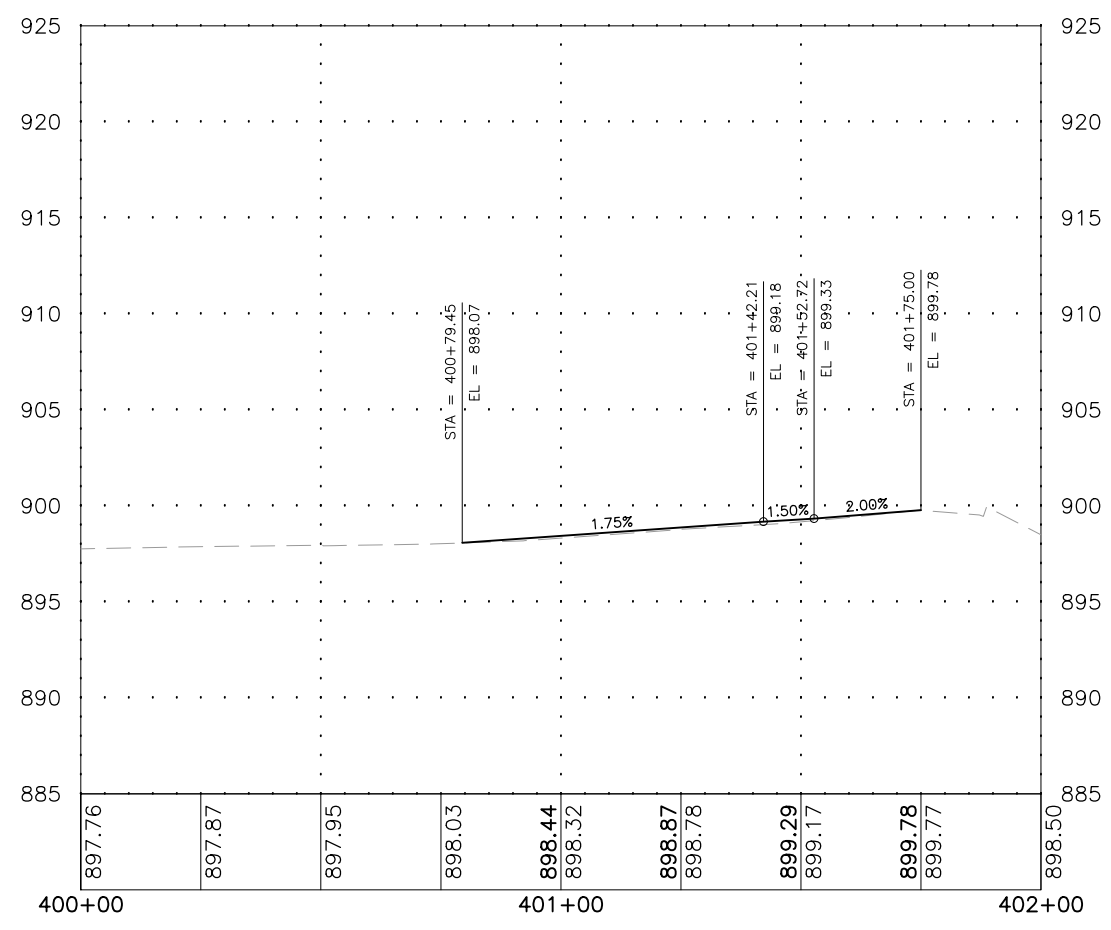
SCALE: AS NOTED SHEET 37 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	37
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				



LEGEND

	HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1.5" HMA BINDER COURSE, IL-9.5, N70, 1.5"
	HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1.5" HMA BINDER COURSE, IL-9.5, N70, 1.5" HMA BASE COURSE, 8" AGGREGATE SUBGRADE IMPROVEMENT, 12"
	HMA SURFACE COURSE, IL-9.5, MIX "D" N70, 1.5"
	HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 3" (IN 2 LIFTS) AGGREGATE BASE COURSE, TYPE B, 4"
	PCC SIDEWALK, 5"
	DETECTABLE WARNING.



KEY MAP

BENCHMARKS

BM1 = 5/8" REBAR (CP#4) N 2022431.59, E 997469.81, ELEV 911.90
BM2 = BOLT IN MULLER (CP#4290) N 2022428.03, E 999232.83, ELEV 907.44
BM3 = 5/8" CAPPED REBAR (CP#101) N 2022947.40 E 997953.67, ELEV 911.15

MODEL: C:\3D\22\22-071 PH01\22-071 Design.dwg, Old Post P&P 1



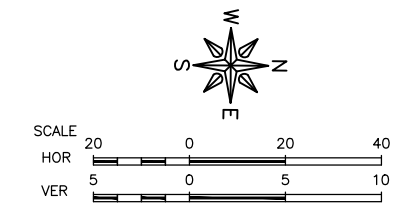
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PLOT DATE = 2/15/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

OLDE POST ROAD PLAN & PROFILE

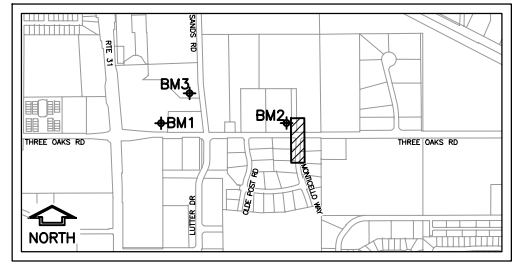
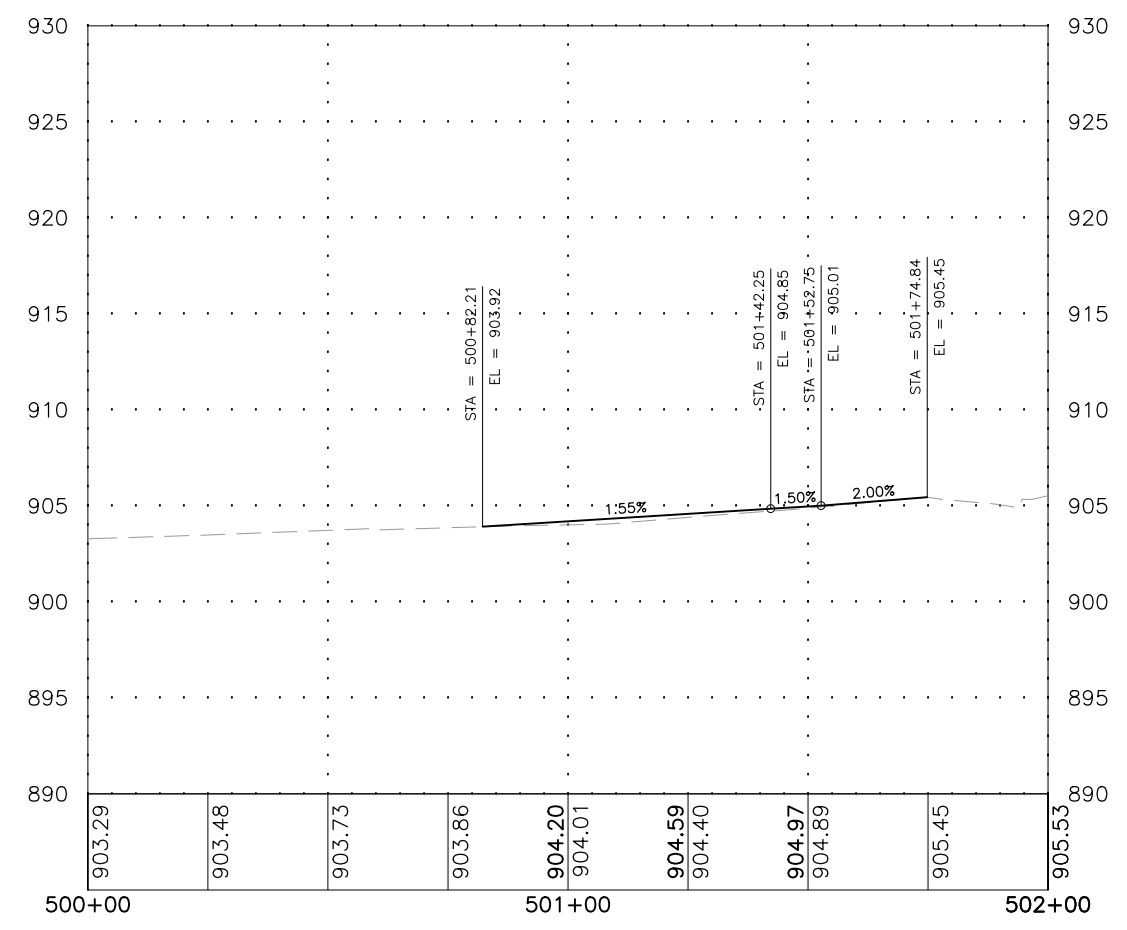
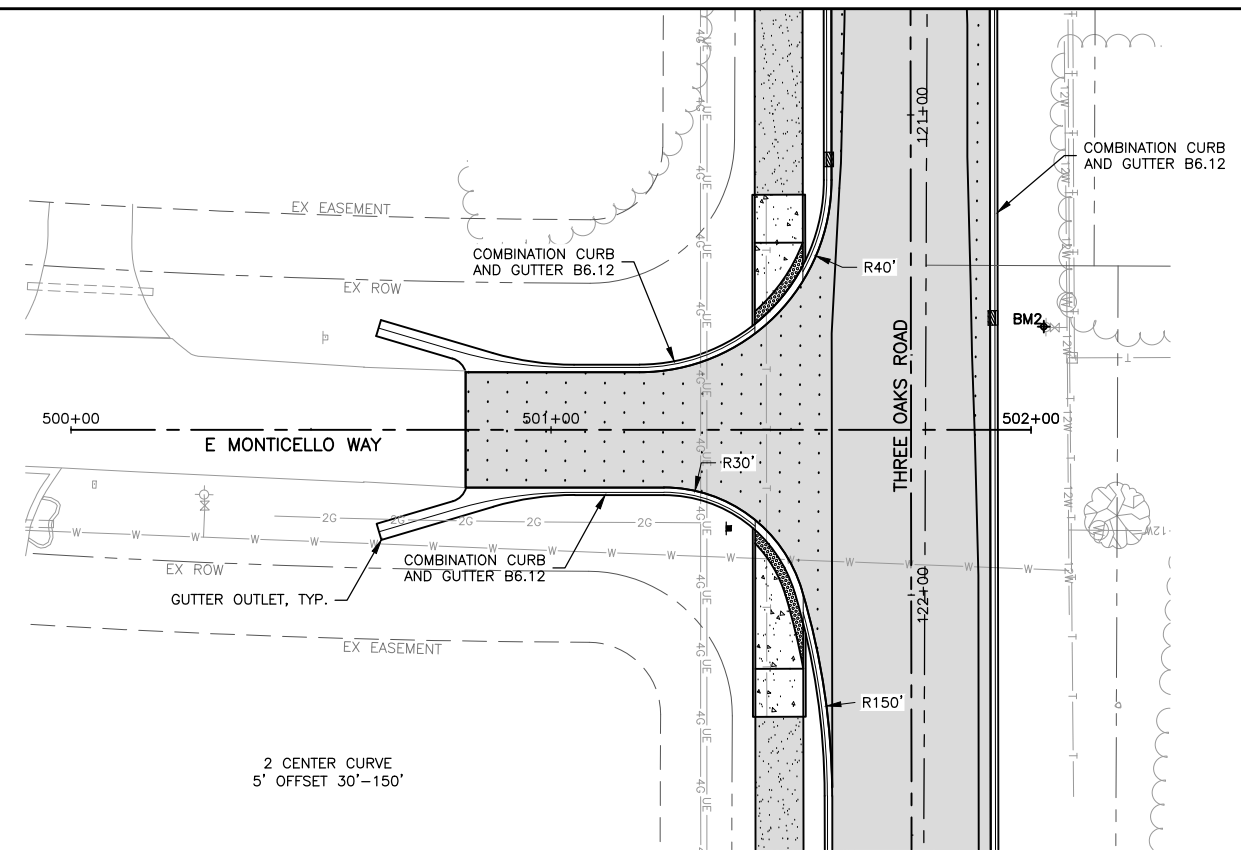
SCALE: AS NOTED	SHEET 38	OF 129 SHEETS	STA. TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	38
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				



LEGEND

- HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1.5"
HMA BINDER COURSE, IL-9.5, N70, 1.5"
- HMA SURFACE COURSE, IL-9.5, MIX "D", N70, 1.5"
HMA BINDER COURSE, IL-9.5, N70, 1.5"
HMA BASE COURSE, 8"
AGGREGATE SUBGRADE IMPROVEMENT, 12"
- HMA SURFACE COURSE, IL-9.5, MIX "D" N70, 1.5"
- HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 3"
(IN 2 LIFTS)
AGGREGATE BASE COURSE, TYPE B, 4"
- PCC SIDEWALK, 5"
- DETECTABLE WARNING.



KEY MAP

BM1 = 5/8" REBAR (CP#4) N 2022431.59, E 997469.81, ELEV 911.90
BM2 = BOLT IN MULLER (CP#4290) N 2022428.03, E 999232.83, ELEV 907.44
BM3 = 5/8" CAPPED REBAR (CP#101) N 2022947.40 E 997953.67, ELEV 911.15

BENCHMARKS

MODEL: FILE NAME: C:\3D\22-071 PH01\22-071 Design.dwg, Monticello P&P 1



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PLOT DATE = 2/15/24	CHECKED =	REVISED =
	DATE = 03/01/23	REVISED =

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

E MONTICELLO WAY PLAN & PROFILE

SCALE: AS NOTED SHEET 39 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	39
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				

THREE OAKS ROAD

SANDS ROAD SHALL BE CLOSED DURING ALL PHASES OF CONSTRUCTION. A PROPOSED DETOUR PLAN IS INCLUDED. THE CONTRACTOR SHALL REVIEW THE DETOUR PLAN AND SUBMIT ANY CHANGES TO THE PLAN TO THE ENGINEER FOR APPROVAL.

FLAGGERS ARE REQUIRED PER IDOT STANDARDS WHEN ONE LANE NEEDS TO BE CLOSED DURING DAY OPERATIONS.

STAGE 1

THREE OAKS ROAD – WIDEN ROAD AND INSTALL STORM SEWER (NORTH)

- INSTALL STORM SEWER INLETS AND STORM SEWER ALONG NORTH SIDE OF ROAD AND LATERALS AS FAR AS PAVEMENT REMOVAL.
- WIDEN NORTH SIDE OF ROAD.
- INSTALL CURB AND GUTTER ON NORTH SIDE OF ROAD.

SANDS ROAD (NOT ILLUSTRATED)

- PAVEMENT AND CURB & GUTTER REMOVAL.
- INSTALL STORM SEWER.

STAGE 2

THREE OAKS ROAD – INSTALL STORM SEWER AND CONSTRUCT MULTI-USE PATH

- REMOVE PAVEMENT ON THE SOUTH SIDE OF THREE OAKS ROAD.
- INSTALL STORM SEWER AND CURB & GUTTER ALONG THE SOUTH SIDE OF THE ROAD AND CONNECT STORM SEWER LATERALS FROM THE NORTH.
- CONSTRUCT THE MULTI-USE PATH.
- PAVEMENT REMOVAL AND RECONSTRUCTION OF OLDE POST AND MONTICELLO.

LUTTER DRIVE – INSTALL STORM SEWER AND WIDEN ROAD

- INSTALL STORM SEWER.
- ROADWAY WIDENING FOR RIGHT TURN LANE.
- INSTALL CURB AND GUTTER.

SANDS ROAD (NOT ILLUSTRATED)

- CONSTRUCT ROAD PAVEMENT SECTION AND INSTALL CURB & GUTTER.

STAGE 3

THREE OAKS ROAD – TRAFFIC SIGNALS, RESURFACING (NOT ILLUSTRATED)

- TRAFFIC SIGNAL INSTALLATION.
- HMA RESURFACING.
- INSTALL PAVEMENT MARKINGS.
- SEEDING AND RESTORATION.

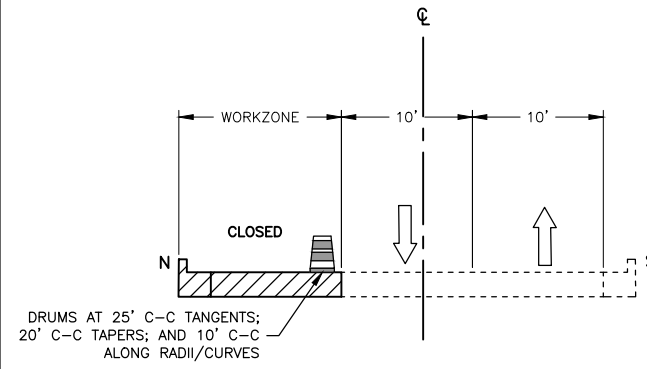
LUTTER DRIVE – MILL AND OVERLAY (NOT ILLUSTRATED)

- HMA RESURFACING.
- INSTALL PAVEMENT MARKINGS.
- SEEDING AND RESTORATION.

SANDS ROAD – PAVEMENT

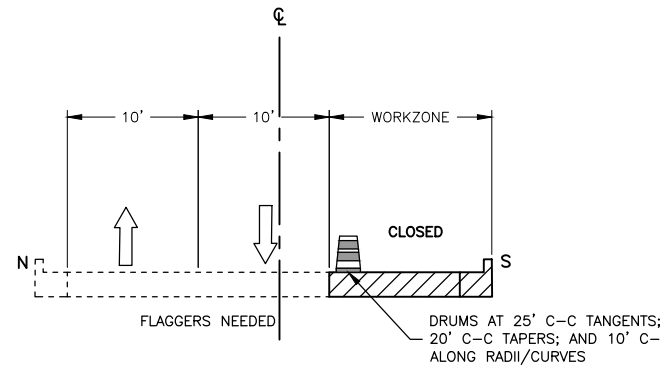
- HMA PAVING AND PAVEMENT MARKINGS.
- SEEDING AND RESTORATION.

SUGGESTED MAINTENANCE TRAFFIC AND CONSTRUCTION STAGING SEQUENCE OF CONSTRUCTION



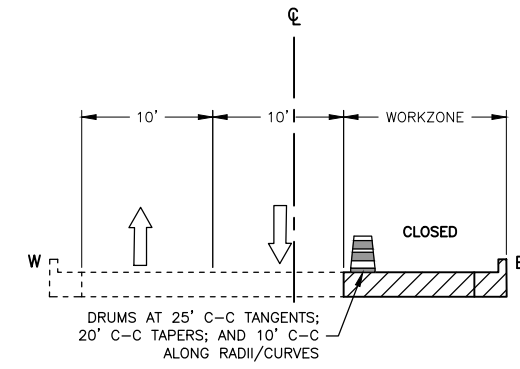
THREE OAKS ROAD – STAGE 1

DRUMS AT 25' C-C TANGENTS; 20' C-C TAPERS; AND 10' C-C ALONG RADII/CURVES



THREE OAKS ROAD – STAGE 2

FLAGGERS NEEDED
DRUMS AT 25' C-C TANGENTS; 20' C-C TAPERS; AND 10' C-C ALONG RADII/CURVES



LUTTER DRIVE – STAGE 2

DRUMS AT 25' C-C TANGENTS; 20' C-C TAPERS; AND 10' C-C ALONG RADII/CURVES

NOTE:

DROP-OFFS ADJACENT TO THE TRAVEL LANE SHALL BE KEPT TO A MINIMUM. PROTECTION OF THE DROP-OFF SHALL BE ACCORDING TO THE IDOT BUREAU OF SAFETY PROGRAMS AND ENGINEERING, SAFETY ENGINEERING POLICY MEMORANDUM 4-21. DROP-OFFS GREATER THAN OR EQUAL TO 12" AT LOCATIONS WHERE THE DROP-OFF IS LOCATED WITHIN 8 FT OF THE EDGE OF THE TRAVEL LANE SHALL BE BACKFILLED IN ACCORDANCE WITH TABLE 2, CONDITION II OF THE SAFETY 4-21 POLICY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE DROP-OFF AREAS MEET THE OFFSET, HEIGHT, AND DURATION REQUIREMENTS TO USE BARRICADES AT THE END OF EACH WORKDAY. THIS MAY REQUIRE THE CONTRACTOR TO REPLACE OR PLACE SUFFICIENT MATERIAL IN THE EXCAVATION TO REDUCE THE DROP-OFF TO BE COMPLIANT WITH THE REQUIREMENTS FOR USE OF BARRICADES. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED TO COMPLY WITH THIS REQUIREMENT.

THE CONTRACTOR SHALL REMOVE PAVEMENT MARKINGS THAT CONFLICT WITH TEMPORARY PAVEMENT MARKINGS FOR THE STAGE OF CONSTRUCTION.

THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

TEMPORARY INFORMATION SIGNS ON TEMPORARY SUPPORTS SHALL BE PROVIDED FOR ALL COMMERCIAL DRIVEWAYS THAT ARE LOCATED WITHIN A WORK AREA. THIS WORK SHALL BE PAID FOR PER DISTRICT 1 DETAIL TC-26. THESE SIGNS SHALL BE RELOCATED AS REQUIRED FOR EACH CONSTRUCTION STAGE AND SHALL BE PLACED AS DIRECTED BY THE ENGINEER. THIS SIGN RELOCATION WORK WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR TEMPORARY INFORMATION SIGNING.

CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO ALL TRAFFIC STAGE CHANGES ON EACH APPROACH OF THE EFFECTED ROADWAY TO WARN MOTORISTS OF THE UPCOMING EVENT. THE SIGN MESSAGES SHALL BE REVISED TWO WEEKS THEREAFTER WITH MESSAGES WARNING TRAFFIC OF POTENTIAL TRAFFIC DELAYS, QUEUING AND/OR WITH MESSAGES NOTIFYING TRAFFIC TO USE ALTERNATE ROUTES. THE SIGN LOCATIONS AND MESSAGES SHALL BE DETERMINED BY THE ENGINEER.

CONTRACTOR SHALL REMOVE OR COVER ALL W21-1 (WORKERS PRESENT) AND W20-7 (FLAGGER) SIGNS, WITHIN AN HOUR, WHEN WORKERS ARE NOT PRESENT OR IF THE SIGN IS NOT APPLICABLE.

DRUMS SHALL BE PLACED AS FOLLOWS:
25' C-C TANGENTS; 20' C-C TAPERS; AND 10' C-C ALONG RADII/CURVES.

LEGEND

- DIRECTIONAL ARROWS
- BARREL
- OPEN TO TRAFFIC
- CLOSED TO TRAFFIC

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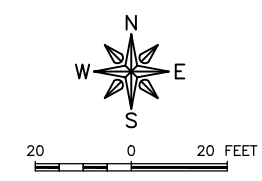
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	DATE -- 03/01/23	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

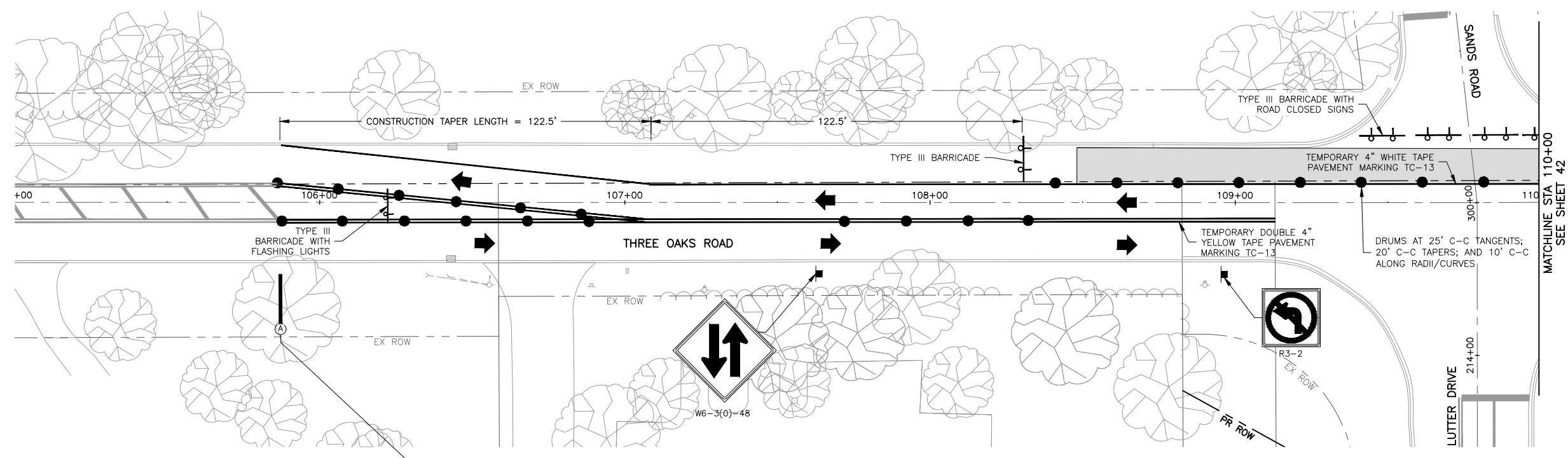
THREE OAKS RD - TRAFFIC CONTROL NOTES

SCALE: AS NOTED SHEET 40 OF 129 SHEETS STA. TO STA.

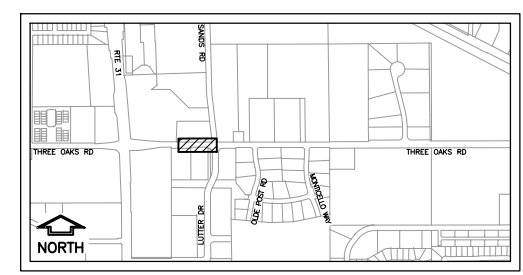
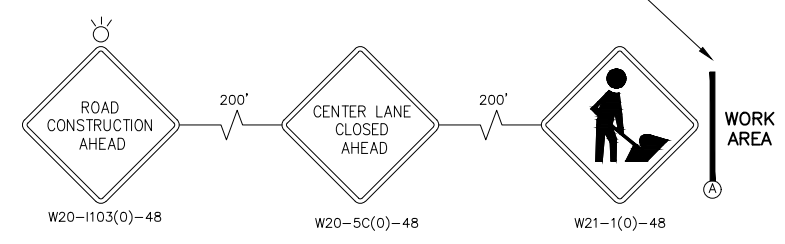
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4051	22-00134-00-TL	MCHENRY	129	40
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				



- LEGEND**
- WORK AREA
 - SIGN ASSEMBLY
 - DRUM
 - DIRECTIONAL ARROWS
 - BARRICADE



SEE DETOUR PLAN (SHEET 48)
FOR DETOUR RELATED SIGNS



KEY MAP

MODEL: C3D0\22 22-071 PH01\22-071 Design.dwg PH2A-1



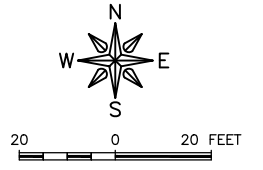
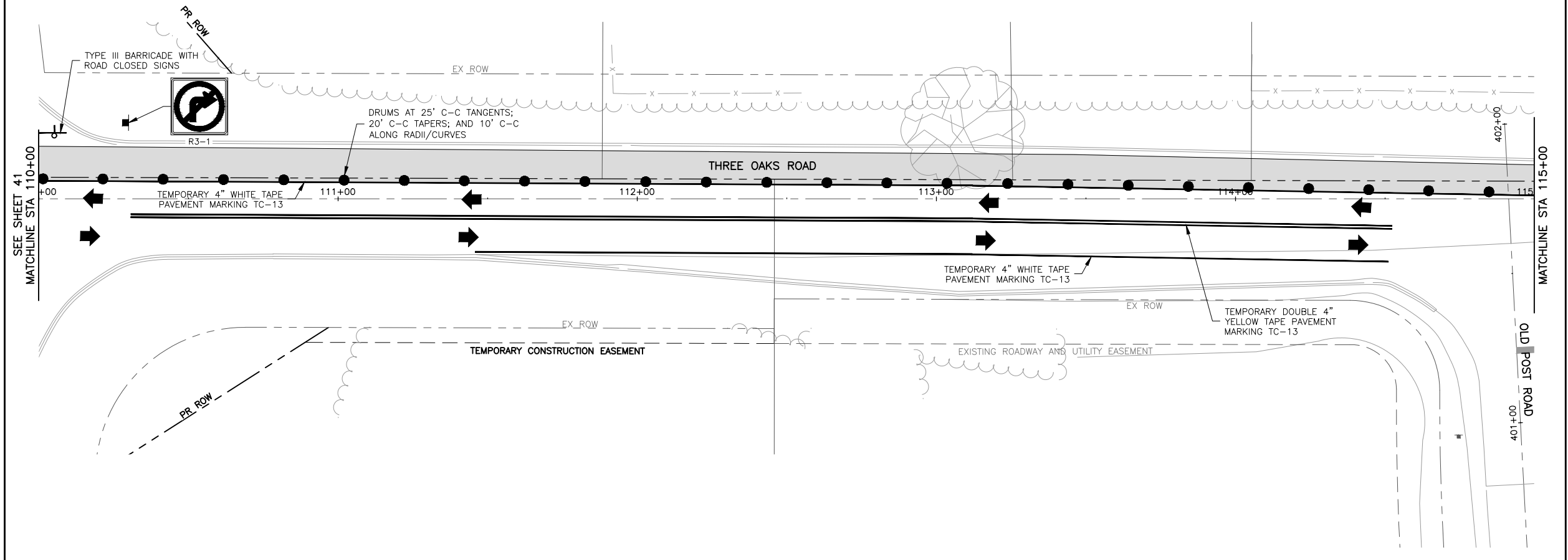
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	DATE -- 03/01/23	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

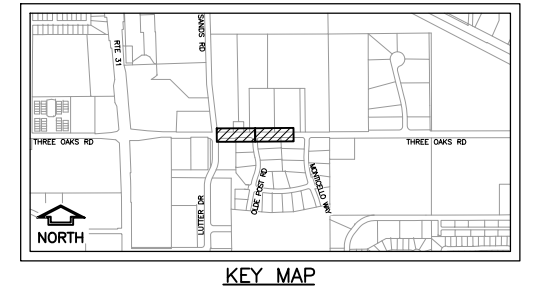
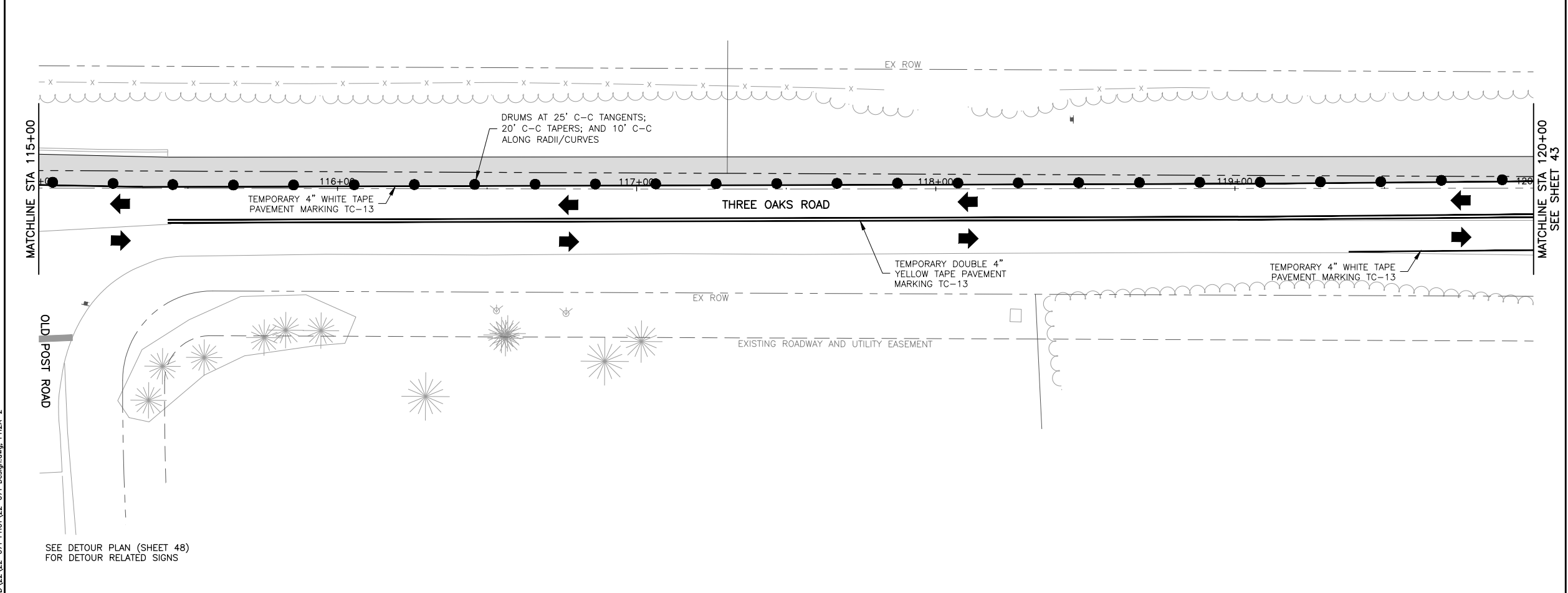
**THREE OAKS RD - TRAFFIC CONTROL PLAN
STAGE 1**

SCALE: AS NOTED SHEET 41 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	41
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				



- LEGEND**
- WORK AREA
 - SIGN ASSEMBLY
 - DRUM
 - DIRECTIONAL ARROWS
 - BARRICADE



SEE DETOUR PLAN (SHEET 48)
FOR DETOUR RELATED SIGNS

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	DATE -- 03/01/23	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

THREE OAKS RD - TRAFFIC CONTROL PLAN
STAGE 1

SCALE: AS NOTED SHEET 42 OF 129 SHEETS STA. TO STA.

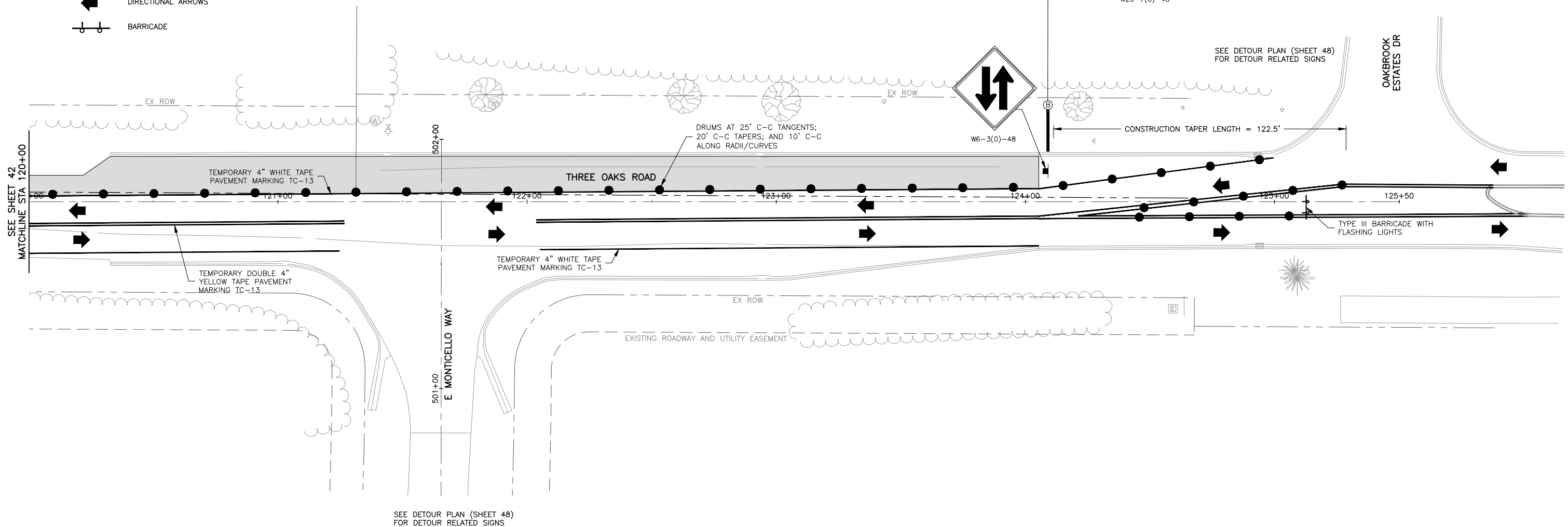
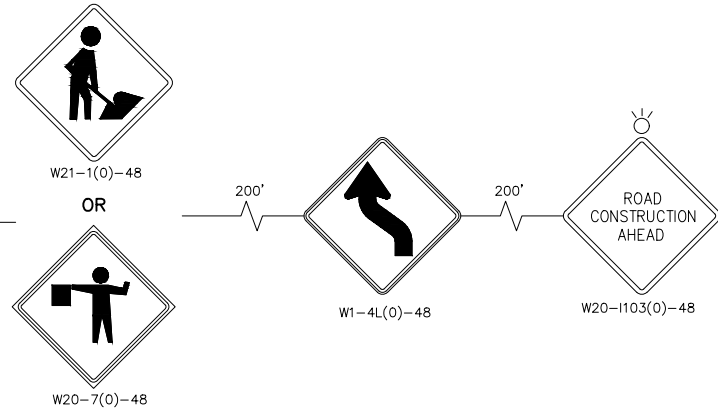
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CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				



20 0 20 FEET

LEGEND

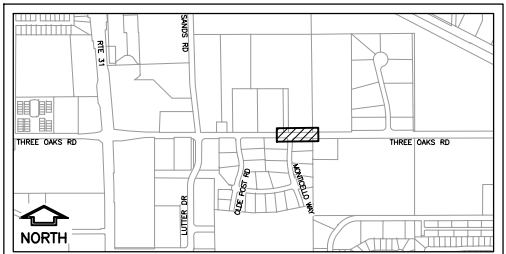
- WORK AREA
- SIGN ASSEMBLY
- DRUM
- DIRECTIONAL ARROWS
- BARRICADE



SEE SHEET 42
MATCHLINE STA 120+00

SEE DETOUR PLAN (SHEET 48)
FOR DETOUR RELATED SIGNS

SEE DETOUR PLAN (SHEET 48)
FOR DETOUR RELATED SIGNS



KEY MAP

MODEL: C:\3D\22\22-071 PH01\22-071 Design.dwg, PH2A-3

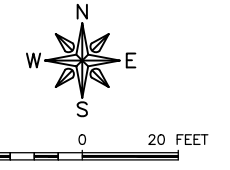
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




**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

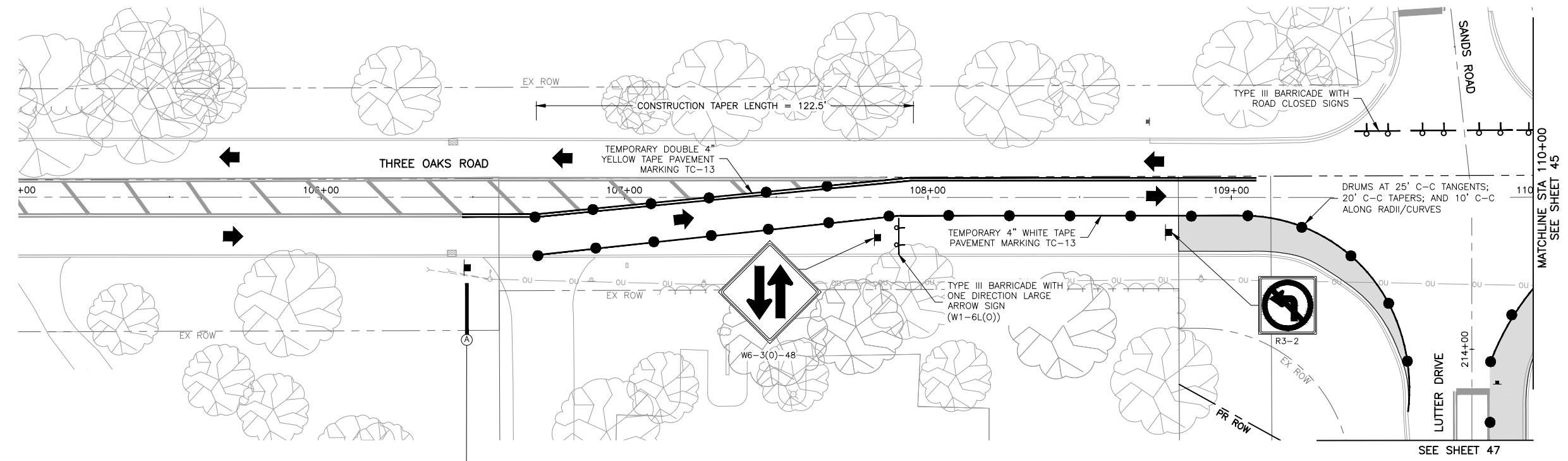
THREE OAKS RD - TRAFFIC CONTROL PLAN STAGE 1			
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				

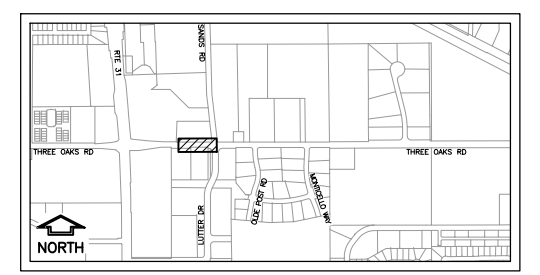
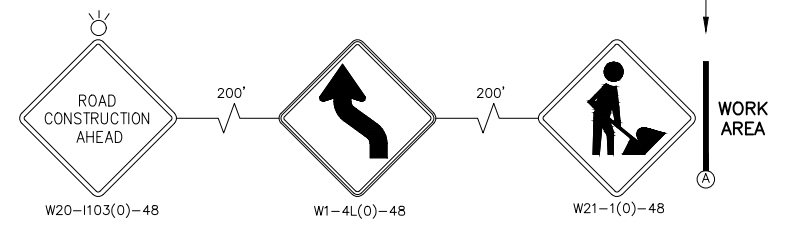


LEGEND

-  WORK AREA
-  SIGN ASSEMBLY
-  DRUM
-  DIRECTIONAL ARROWS
-  BARRICADE



SEE DETOUR PLAN (SHEET 48)
FOR DETOUR RELATED SIGNS



KEY MAP

MODEL: C3D\22-22-071 PH01\22-071 Design.dwg PH2B-1

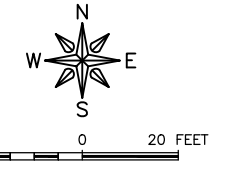
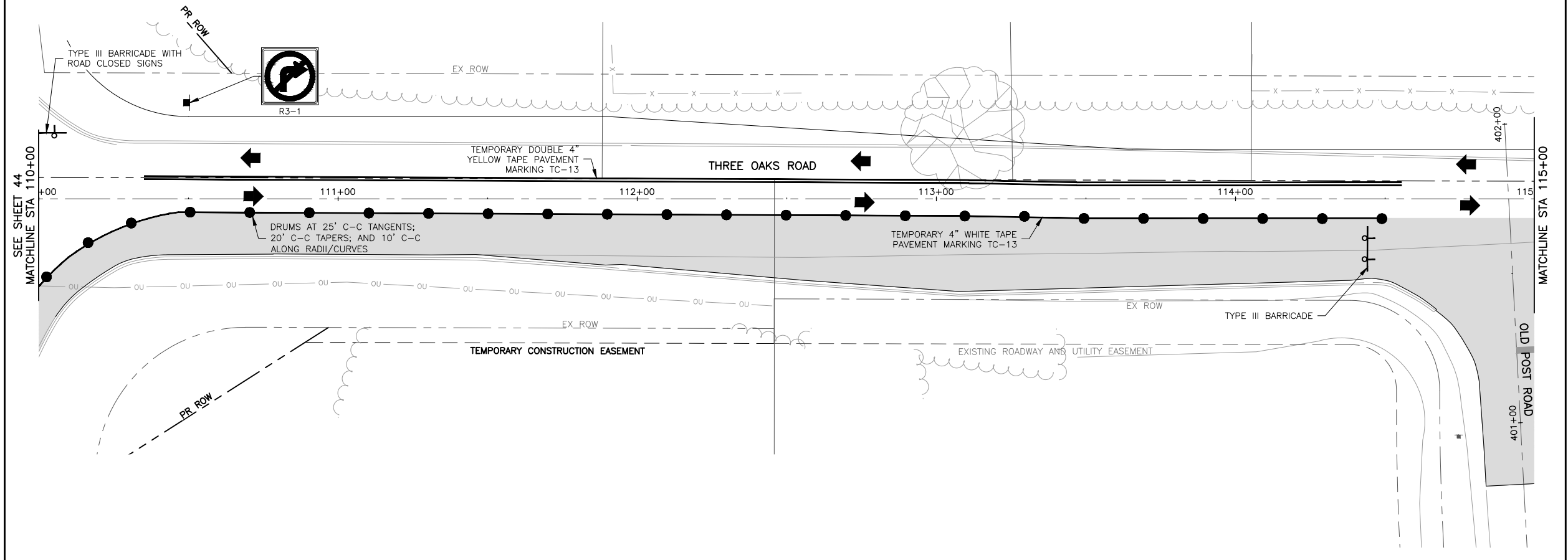


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

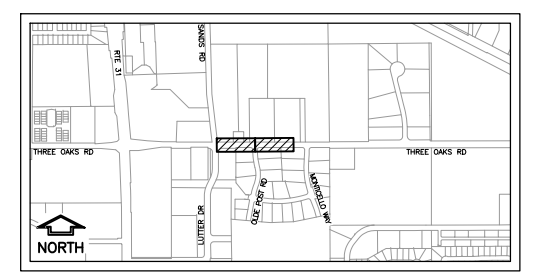
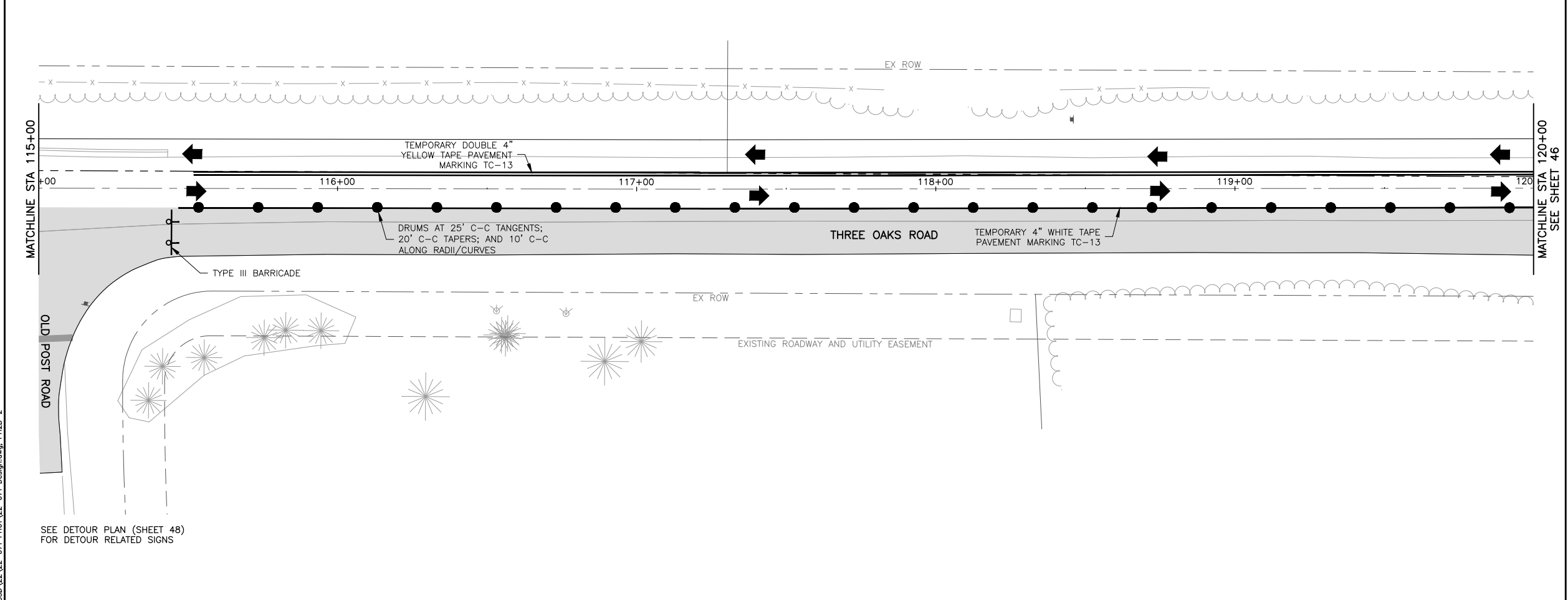
THREE OAKS RD - TRAFFIC CONTROL PLAN STAGE 2			
SCALE: AS NOTED	SHEET 44	OF 129 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	44
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				



- LEGEND**
- WORK AREA
 - SIGN ASSEMBLY
 - DRUM
 - DIRECTIONAL ARROWS
 - BARRICADE

GENERAL NOTE:
 OLDE POST ROAD AND E MONTICELLO WAY SHALL NOT BE CLOSED AT THE SAME TIME. THE INTERSECTIONS SHALL BE REOPENED TO TRAFFIC AT END OF EACH DAY.



KEY MAP

MODEL: FILE NAME: C:\3D\22-071 PH01\22-071 Design.dwg, PH2B-2

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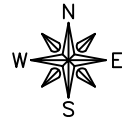
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PLOT DATE = 3/21/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**THREE OAKS RD - TRAFFIC CONTROL PLAN
 STAGE 2**

SCALE: AS NOTED SHEET 45 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				



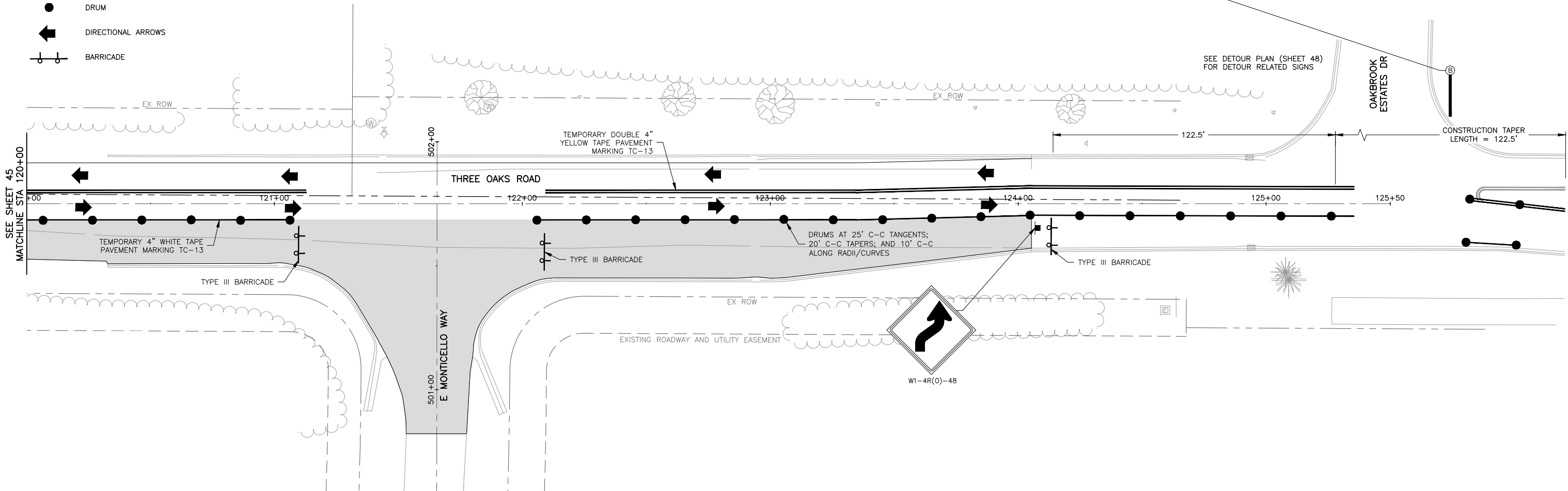
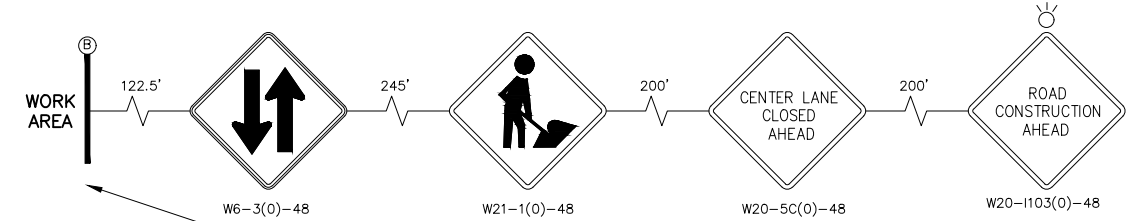
20 0 20 FEET

GENERAL NOTE:

OLDE POST ROAD AND E MONTICELLO WAY SHALL NOT BE CLOSED AT THE SAME TIME. THE INTERSECTIONS SHOULD BE REOPENED TO TRAFFIC AT END OF EACH DAY.

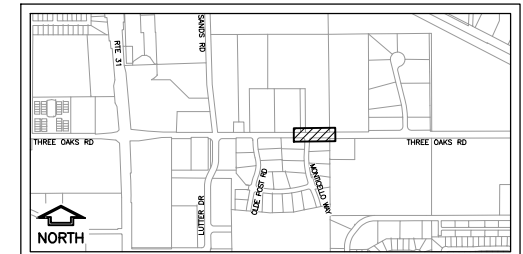
LEGEND

- WORK AREA
- SIGN ASSEMBLY
- DRUM
- DIRECTIONAL ARROWS
- BARRICADE



SEE SHEET 45
MATCHLINE STA 120+00

SEE DETOUR PLAN (SHEET 48)
FOR DETOUR RELATED SIGNS



KEY MAP

MODEL: C:\3D\22\22-071 PH01\22-071 Design.dwg, PH2B-3

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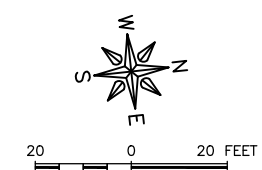
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

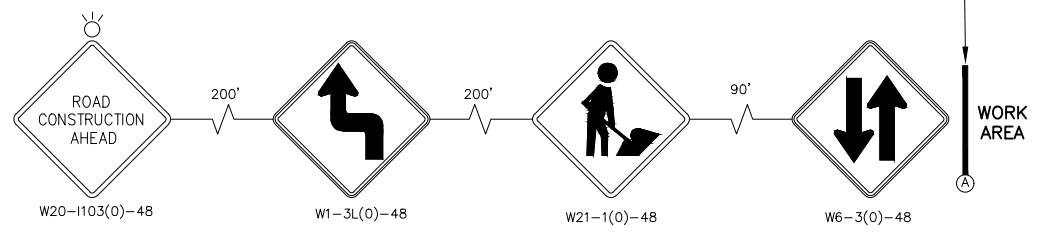
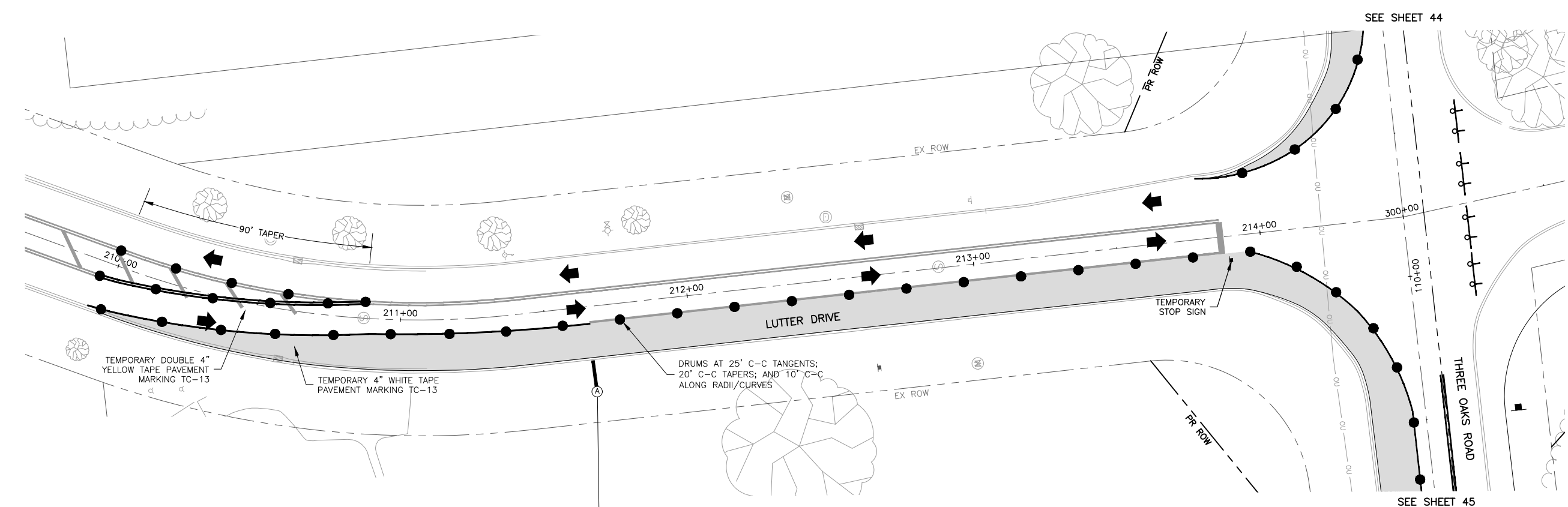
THREE OAKS RD - TRAFFIC CONTROL PLAN
STAGE 2

SCALE: AS NOTED SHEET 46 OF 129 SHEETS STA. TO STA.

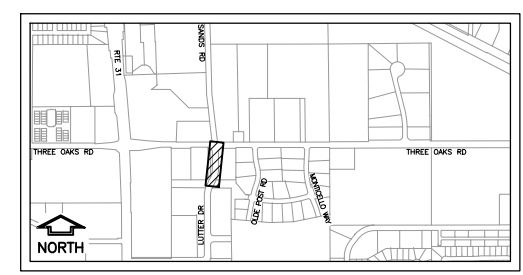
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	46
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				



- LEGEND**
- WORK AREA
 - SIGN ASSEMBLY
 - DRUM
 - DIRECTIONAL ARROWS
 - BARRICADE



DRUMS AT 25' C-C TANGENTS;
20' C-C TAPERS; AND 10' C-C
ALONG RADII/CURVES



MODEL: C:\3D\22\22-071 PH01\22-071 Design.dwg, LPH 1

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ILLINOIS DESIGN FIRM NO. 184-003025
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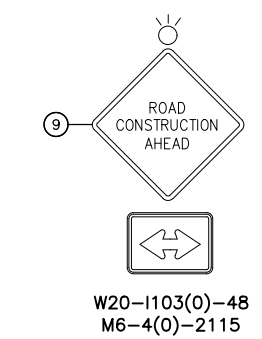
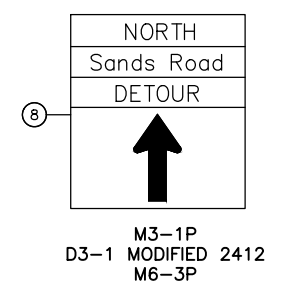
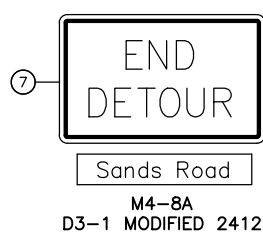
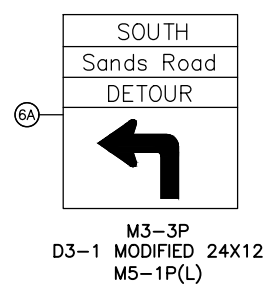
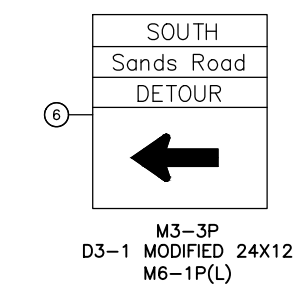
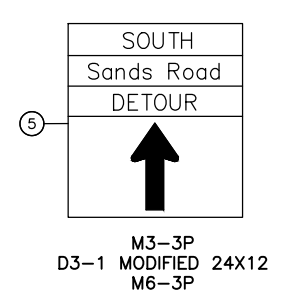
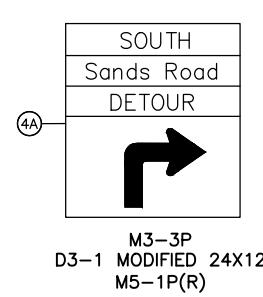
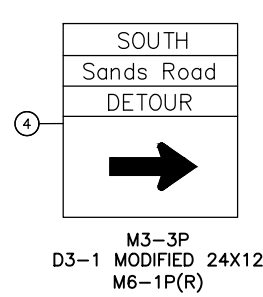
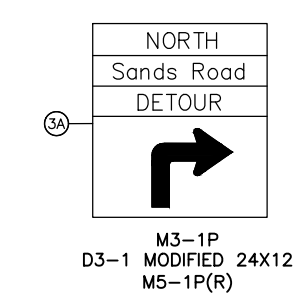
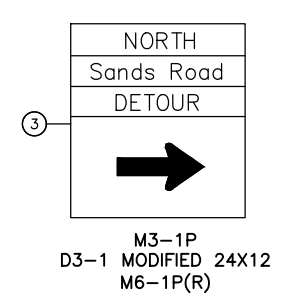
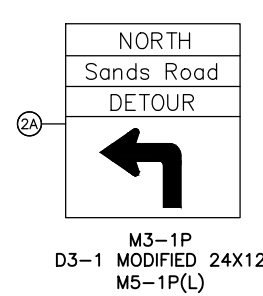
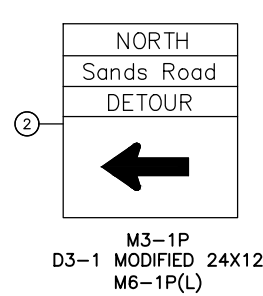
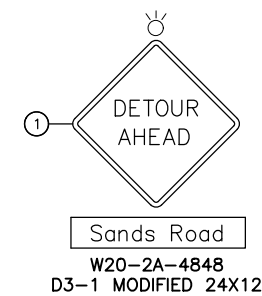
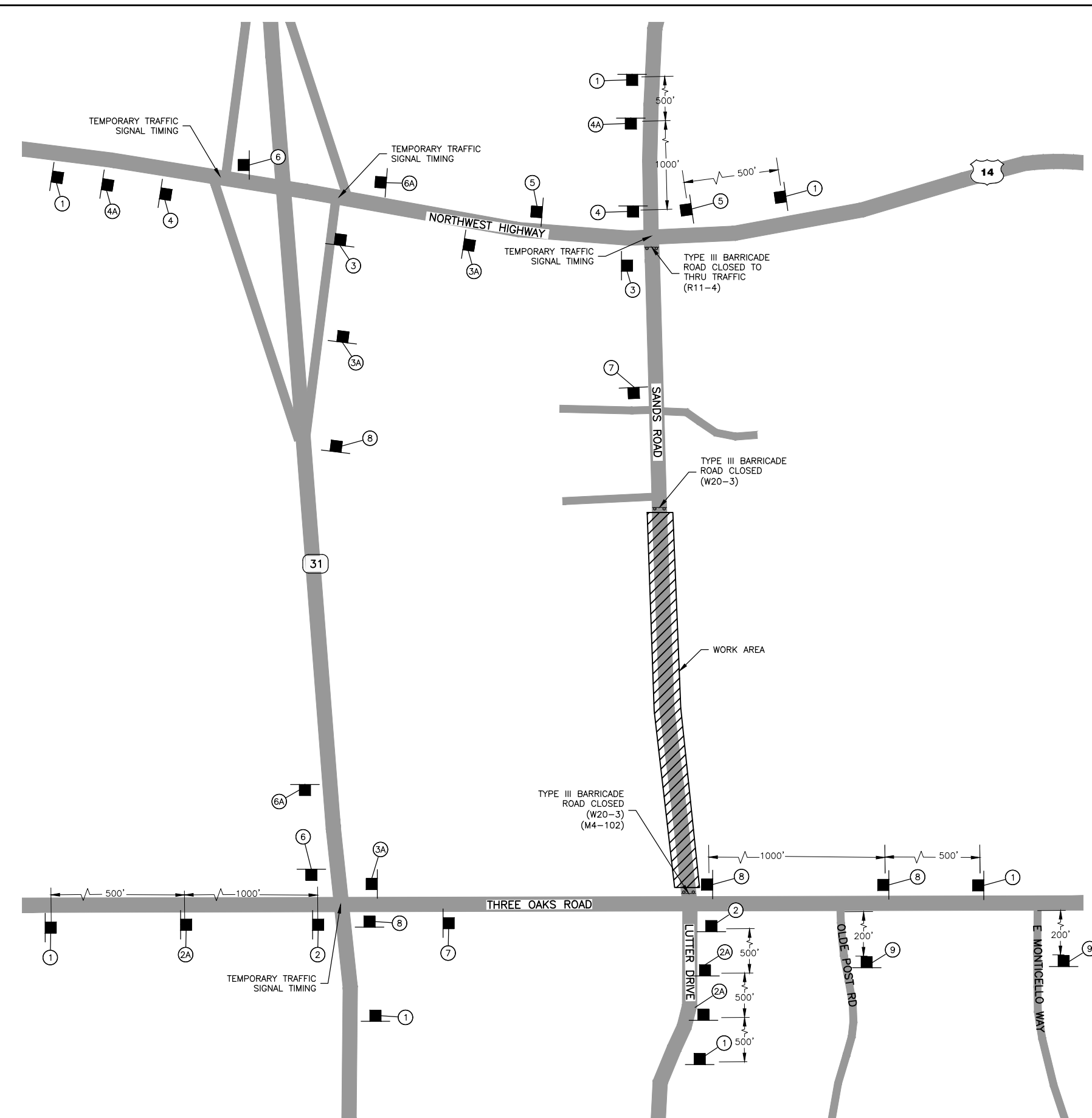
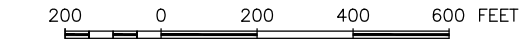
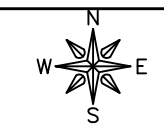
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PLOT DATE = 3/21/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LUTTER DRIVE - TRAFFIC CONTROL PLAN
STAGE 2**

SCALE: AS NOTED SHEET 47 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	47
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				



LEGEND

- SIGN ASSEMBLY
- BARRICADE

NOTE:
ALL SIGNS SHALL HAVE A WHITE BACKGROUND WITH BLACK LETTERING, EXCEPT FOR M4-8A, AND W20-2A.

MODEL: C:\3D\22-071 - Detour Plan.dwg, DETOUR

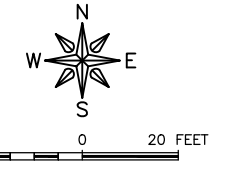
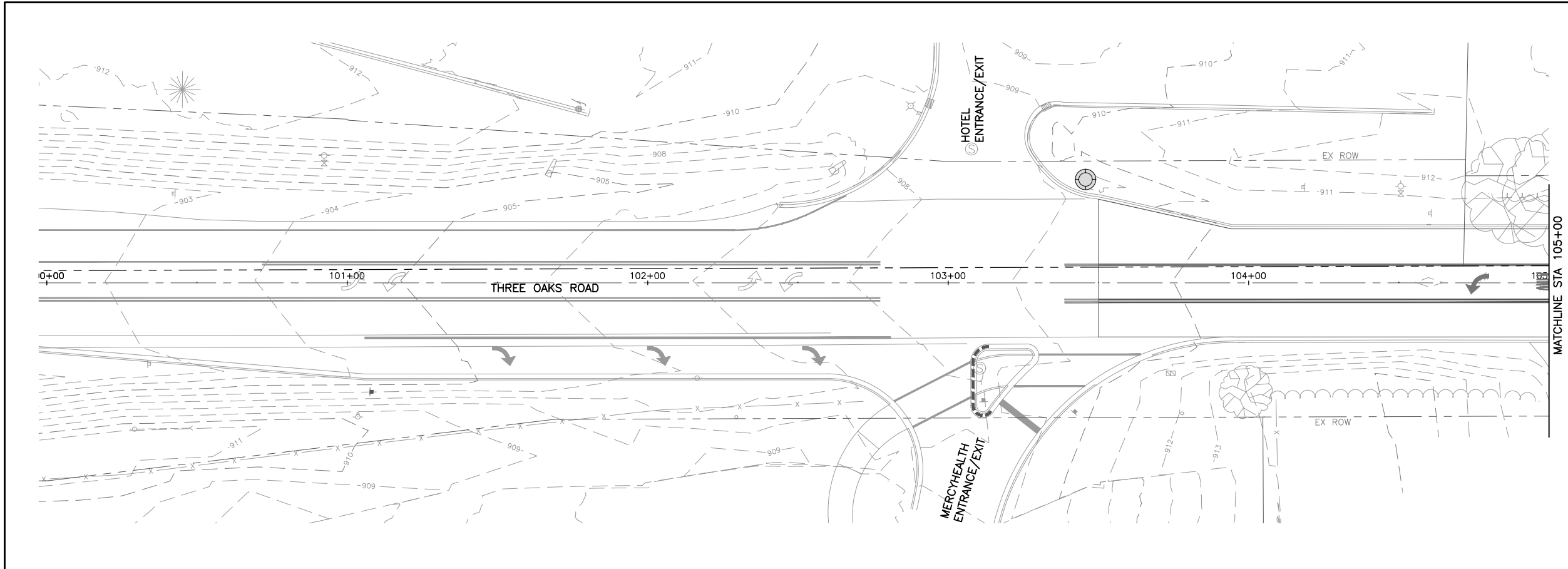


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PLOT SCALE = AS NOTED	DRAWN -- BF/YJ	REVISED --
PLOT DATE = 3/20/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR PLAN			
SCALE: AS NOTED	SHEET 48	OF 129 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	48
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				



GENERAL NOTES

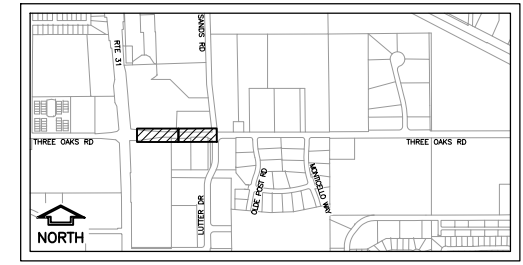
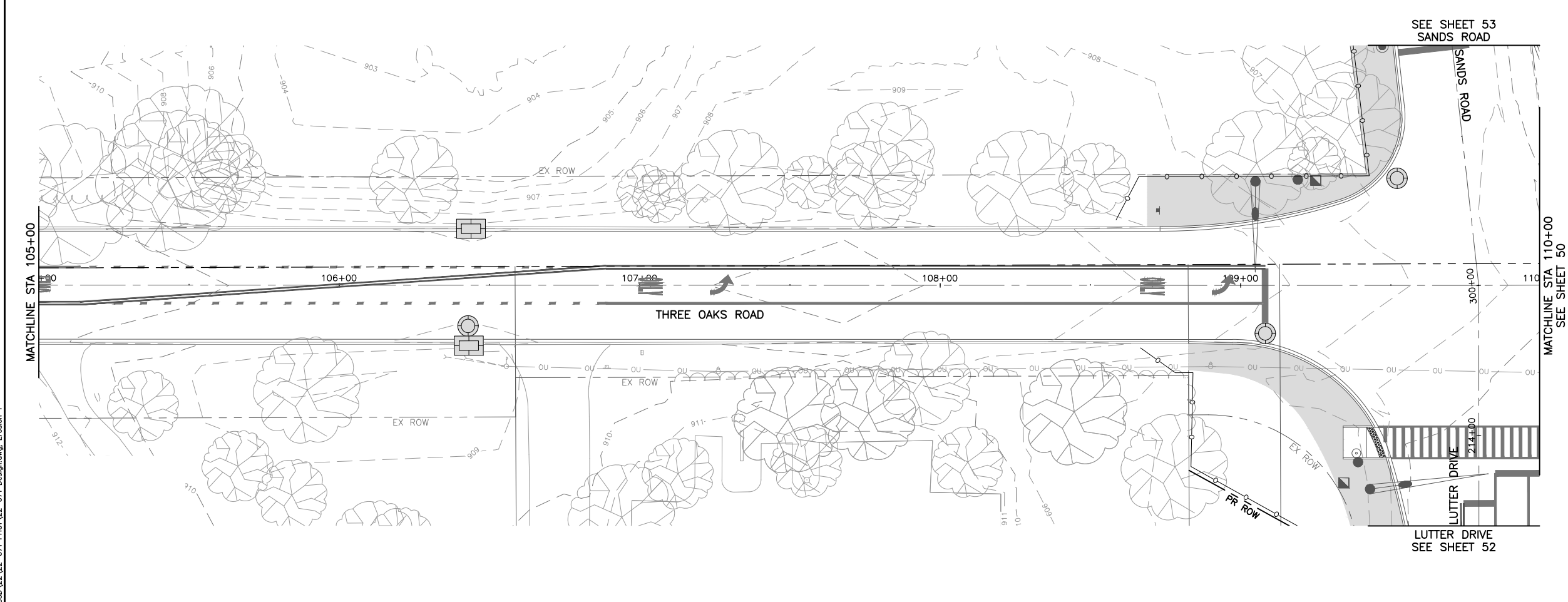
CONTRACTOR TO RESTORE ANY DISTURBED AREA TO PRE CONSTRUCTION CONDITIONS.
 ALL DISTURBED AREAS TO RECEIVE SEEDING PER IDOT CLASS 1A.
 ANY DAMAGE TO CURBS OR OTHER EXISTING ITEMS NOT INTENDED TO BE REPLACED SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST.
 POSITIVE DRAINAGE SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT.

SITE DISTURBANCE SCHEDULE

AREA TO BE DISTURBED = 2.00 ACRES
 AREA NOT TO BE DISTURBED = 4.31 ACRES
 TOTAL SITE = 6.31 ACRES

LEGEND

- IDOT CLASS 1A SEED AND 6" TOPSOIL WITH EROSION CONTROL BLANKET
- RIP-RAP
- SILT FENCE (PERIMETER EROSION BARRIER)
- INLET FILTERS
- TEMPORARY DITCH CHECK
- TREE TRUNK PROTECTION



KEY MAP

MODEL: C:\3D\22-22-071 PH01\22-071 Design.dwg, Erosion 1



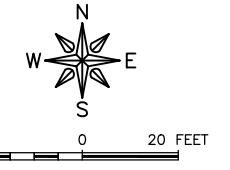
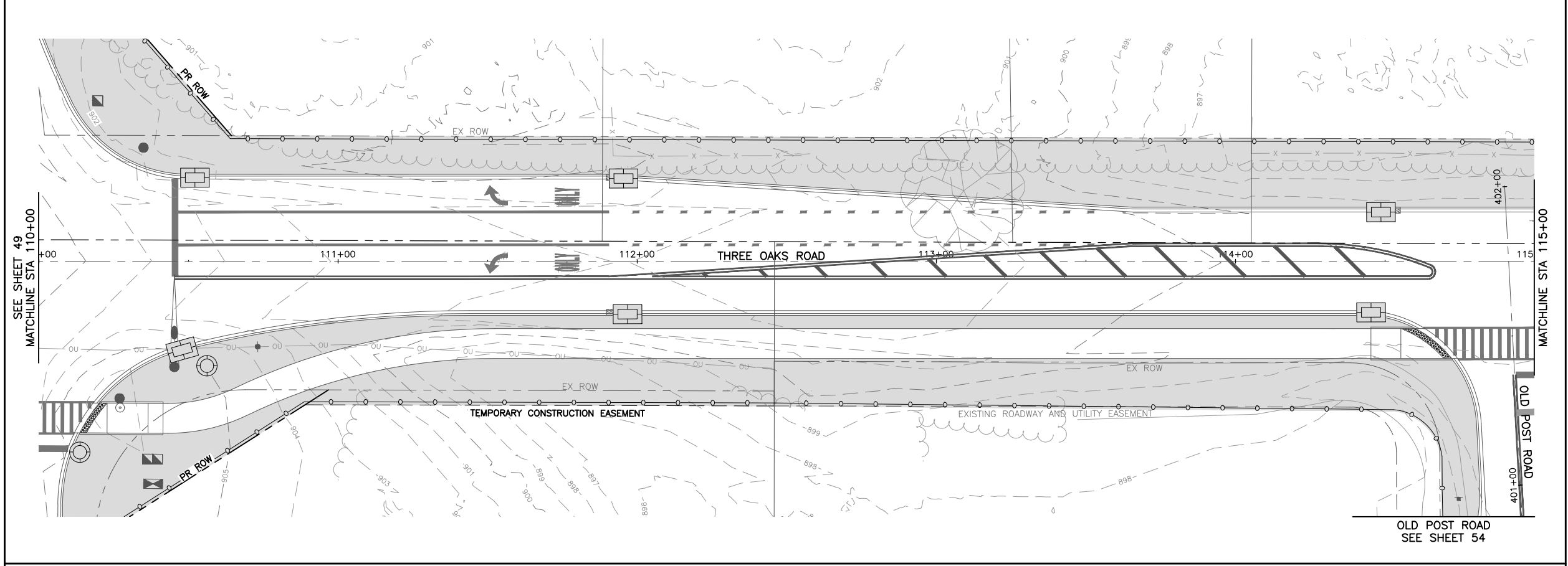
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PLOT DATE = 2/15/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLANS

SCALE: AS NOTED SHEET 49 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	49
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				



GENERAL NOTES

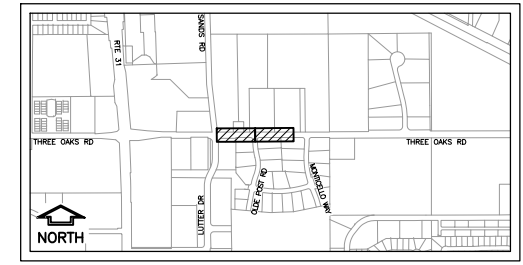
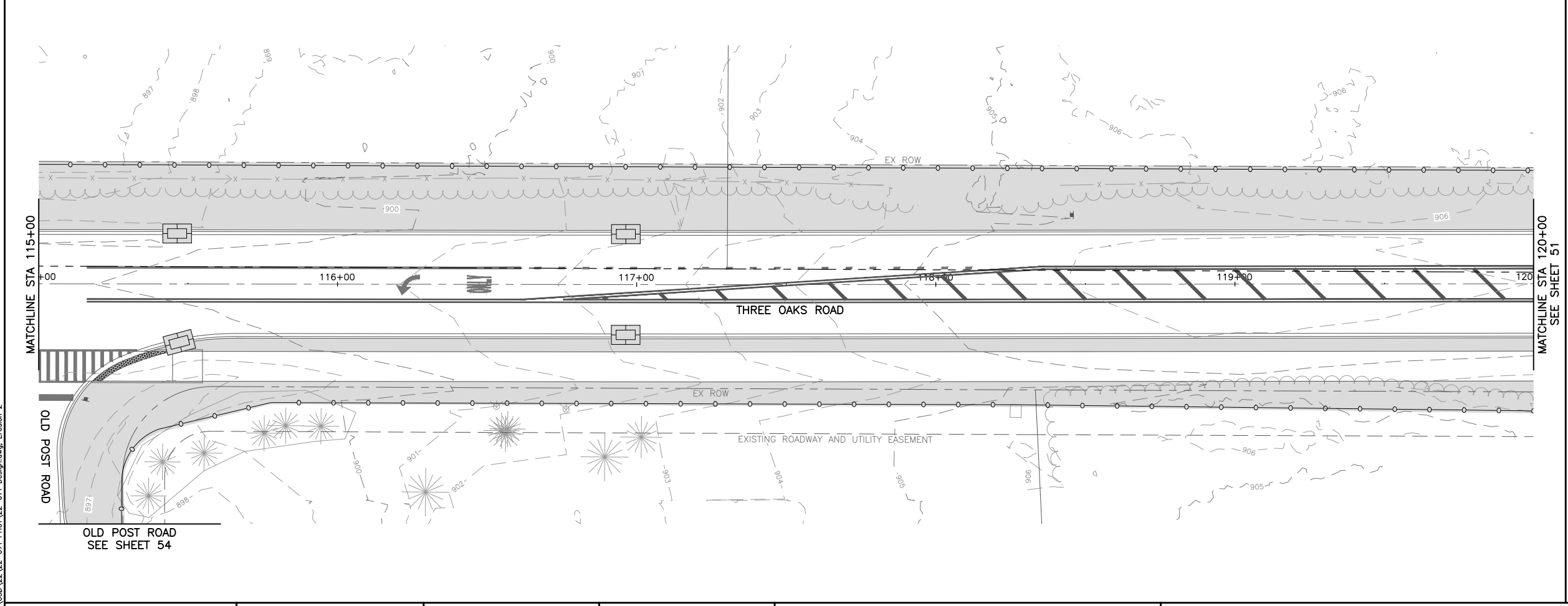
CONTRACTOR TO RESTORE ANY DISTURBED AREA TO PRE CONSTRUCTION CONDITIONS.
 ALL DISTURBED AREAS TO RECEIVE SEEDING PER IDOT CLASS 1A.
 ANY DAMAGE TO CURBS OR OTHER EXISTING ITEMS NOT INTENDED TO BE REPLACED SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST.
 POSITIVE DRAINAGE SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT.

SITE DISTURBANCE SCHEDULE

AREA TO BE DISTURBED = 2.00 ACRES
 AREA NOT TO BE DISTURBED = 4.31 ACRES
 TOTAL SITE = 6.31 ACRES

LEGEND

- IDOT CLASS 1A SEED AND 6" TOPSOIL WITH EROSION CONTROL BLANKET
- RIP-RAP
- SILT FENCE (PERIMETER EROSION BARRIER)
- INLET FILTERS
- TEMPORARY DITCH CHECK
- TREE TRUNK PROTECTION



KEY MAP

MODEL: C:\3D\22\22-071 PH01\22-071 Design.dwg, Erosion 2



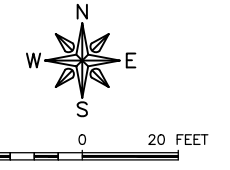
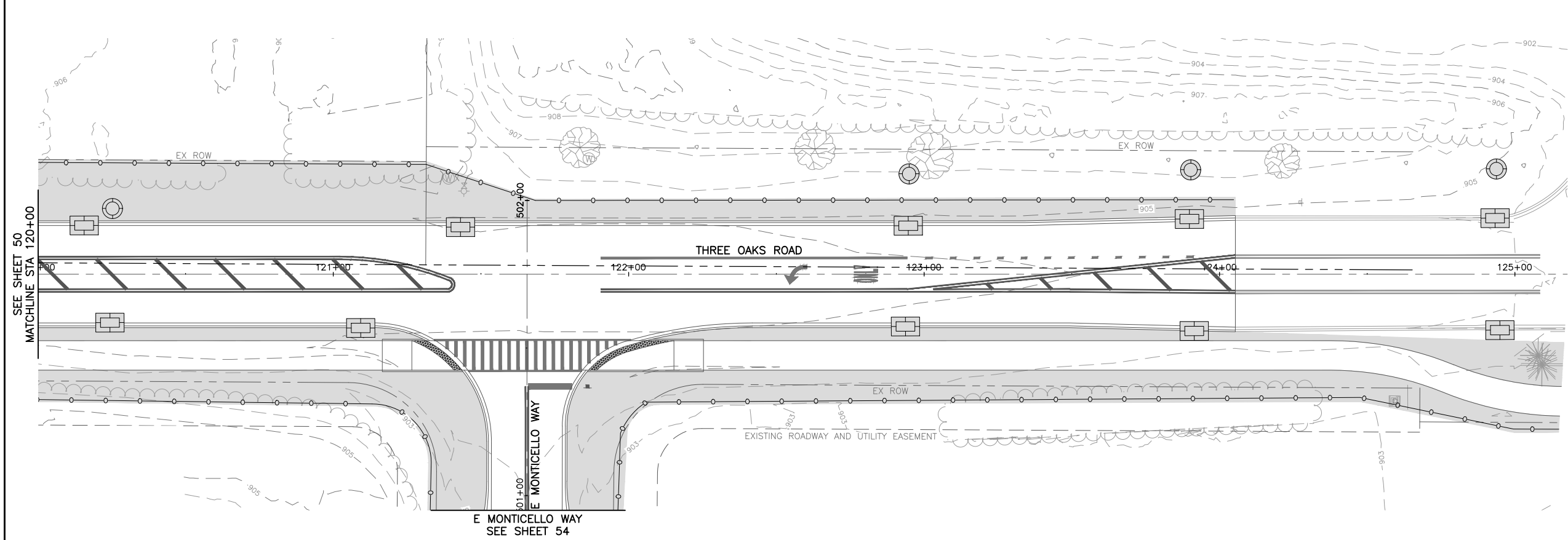
USER NAME = BF/YJ	DESIGNED -- VL	REVISED --
PLOT SCALE = AS NOTED	DRAWN -- BF/YJ	REVISED --
PLOT DATE = 2/15/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLANS

SCALE: AS NOTED SHEET 50 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	50
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				









GENERAL NOTES

CONTRACTOR TO RESTORE ANY DISTURBED AREA TO PRE CONSTRUCTION CONDITIONS.
 ALL DISTURBED AREAS TO RECEIVE SEEDING PER IDOT CLASS 1A.
 ANY DAMAGE TO CURBS OR OTHER EXISTING ITEMS NOT INTENDED TO BE REPLACED SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST.
 POSITIVE DRAINAGE SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT.

SITE DISTURBANCE SCHEDULE

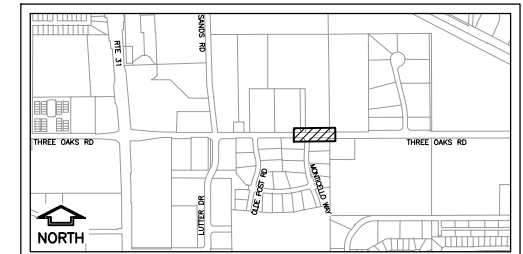
AREA TO BE DISTURBED = 2.00 ACRES
 AREA NOT TO BE DISTURBED = 4.31 ACRES
 TOTAL SITE = 6.31 ACRES

LEGEND

-  IDOT CLASS 1A SEED AND 6" TOPSOIL WITH EROSION CONTROL BLANKET
-  RIP-RAP
-  SILT FENCE (PERIMETER EROSION BARRIER)
-  INLET FILTERS
-  TEMPORARY DITCH CHECK
-  TREE TRUNK PROTECTION

SEE SHEET 50
MATCHLINE STA 120+00

E MONTICELLO WAY
SEE SHEET 54



KEY MAP

MODEL: C:\3D\22-071 PH01\22-071 Design.dwg, Erosion 3

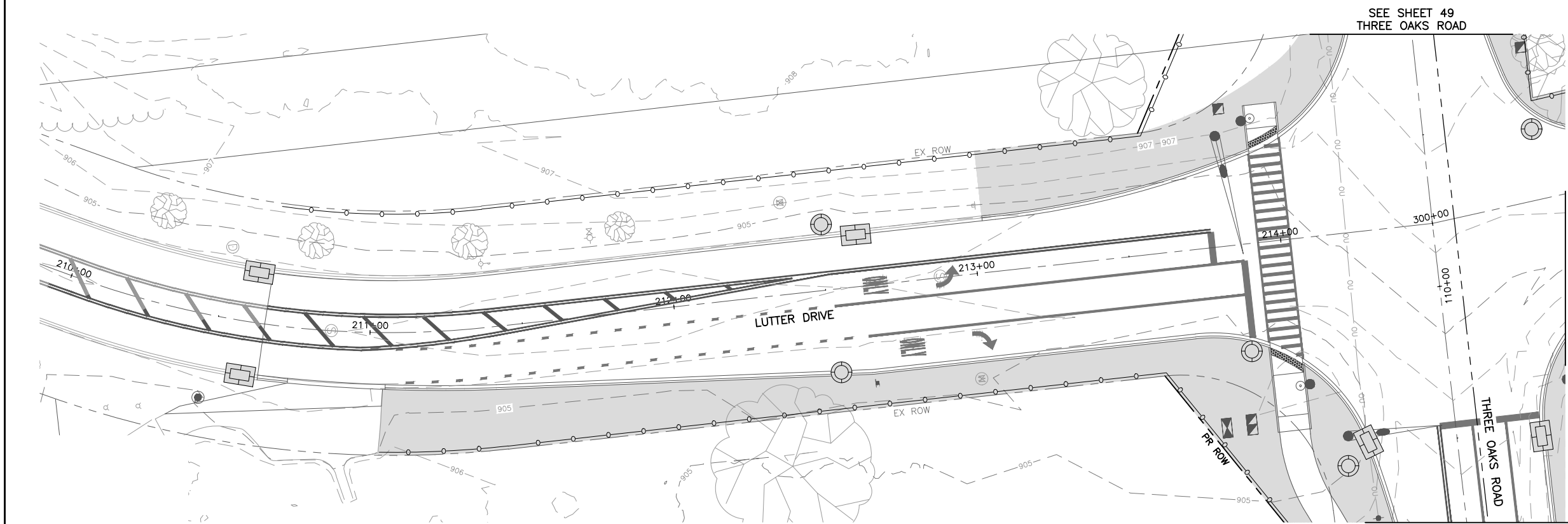


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PLOT SCALE = AS NOTED	DRAWN -- BF/YJ	REVISED --
PLOT DATE = 2/15/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLANS
 SCALE: AS NOTED SHEET 51 OF 129 SHEETS STA. TO STA.

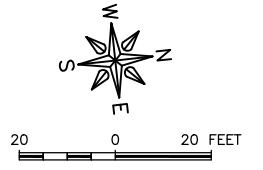
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	51
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				



SEE SHEET 49
THREE OAKS ROAD

SANDS ROAD
SEE SHEET 53

THREE OAKS ROAD
SEE SHEET 50



GENERAL NOTES

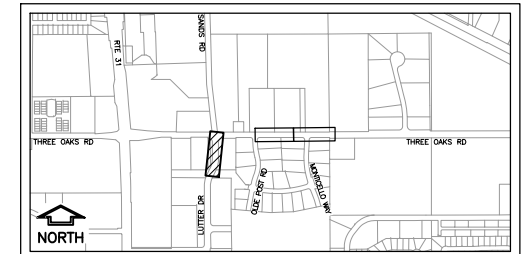
CONTRACTOR TO RESTORE ANY DISTURBED AREA TO PRE CONSTRUCTION CONDITIONS.
 ALL DISTURBED AREAS TO RECEIVE SEEDING PER IDOT CLASS 1A.
 ANY DAMAGE TO CURBS OR OTHER EXISTING ITEMS NOT INTENDED TO BE REPLACED SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST.
 POSITIVE DRAINAGE SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT.

SITE DISTURBANCE SCHEDULE

AREA TO BE DISTURBED = 2.00 ACRES
 AREA NOT TO BE DISTURBED = 4.31 ACRES
 TOTAL SITE = 6.31 ACRES

LEGEND

- IDOT CLASS 1A SEED AND 6" TOPSOIL WITH EROSION CONTROL BLANKET
- RIP-RAP
- SILT FENCE (PERIMETER EROSION BARRIER)
- INLET FILTERS
- TEMPORARY DITCH CHECK
- TREE TRUNK PROTECTION



KEY MAP

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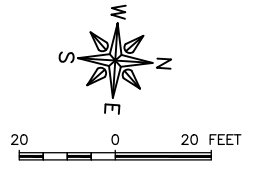
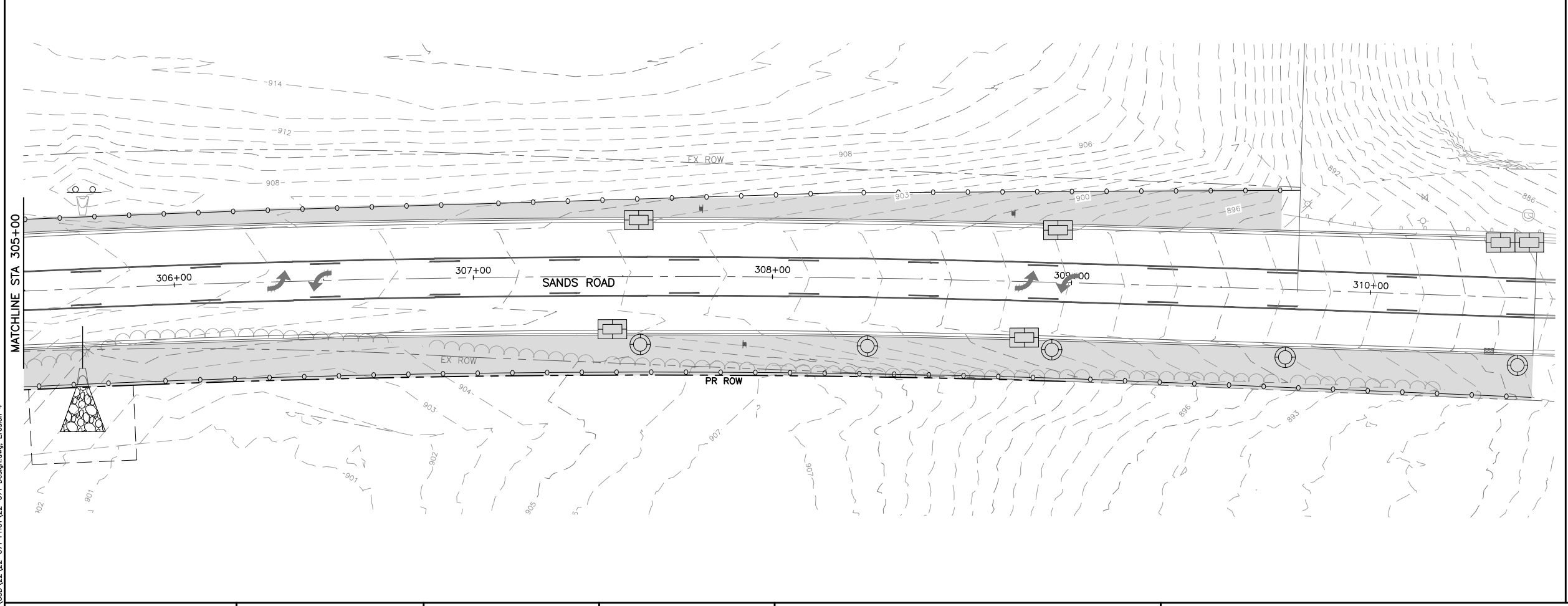
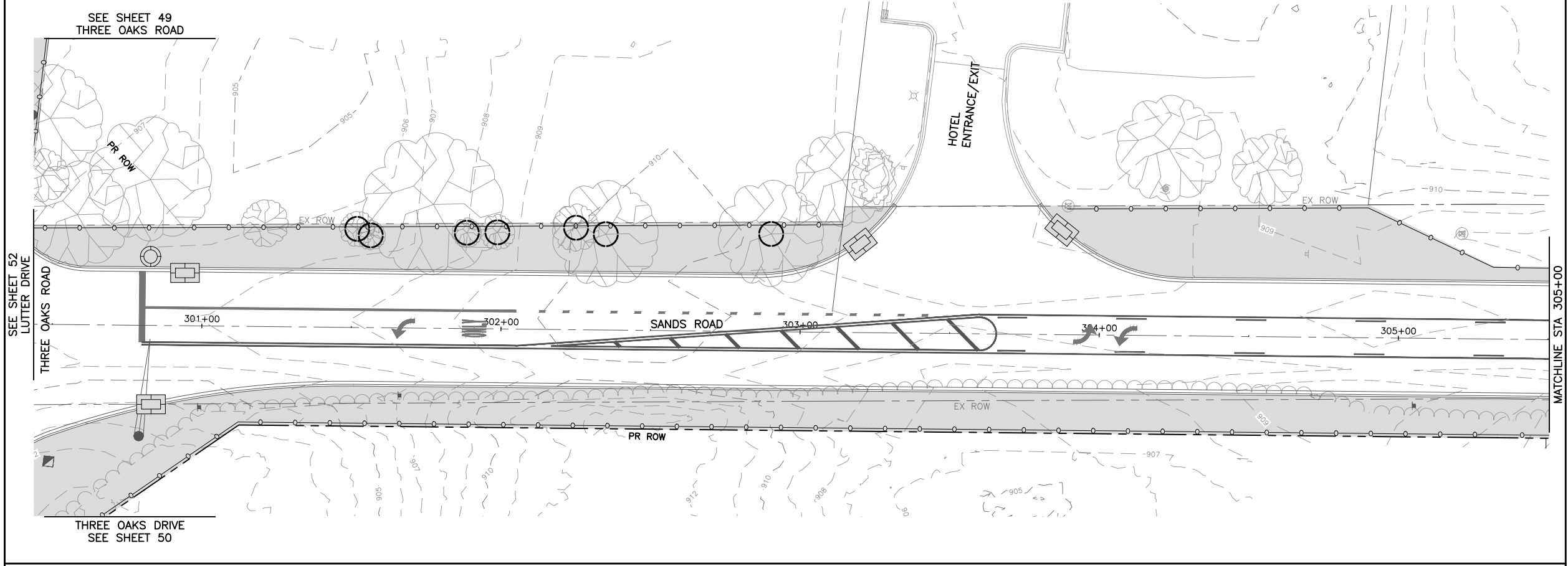
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 ENGINEERING & ENVIRONMENTAL
 ILLINOIS DESIGN FIRM NO. 144-033925
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USER NAME = BF/YJ	DESIGNED -- VL	REVISED --
PLOT SCALE = AS NOTED	DRAWN -- BF/YJ	REVISED --
PLOT DATE = 2/15/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLANS
 SCALE: AS NOTED SHEET 52 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	52
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				



GENERAL NOTES

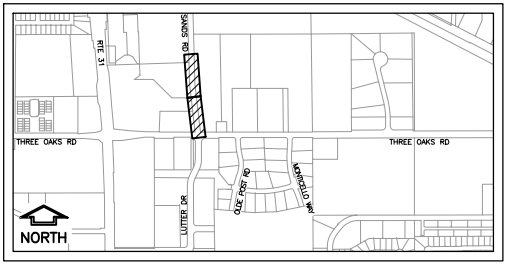
CONTRACTOR TO RESTORE ANY DISTURBED AREA TO PRE CONSTRUCTION CONDITIONS.
 ALL DISTURBED AREAS TO RECEIVE SEEDING PER IDOT CLASS 1A.
 ANY DAMAGE TO CURBS OR OTHER EXISTING ITEMS NOT INTENDED TO BE REPLACED SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST.
 POSITIVE DRAINAGE SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT.

SITE DISTURBANCE SCHEDULE

AREA TO BE DISTURBED = 2.00 ACRES
 AREA NOT TO BE DISTURBED = 4.31 ACRES
 TOTAL SITE = 6.31 ACRES

LEGEND

- IDOT CLASS 1A SEED AND 6" TOPSOIL WITH EROSION CONTROL BLANKET
- RIP-RAP
- SILT FENCE (PERIMETER EROSION BARRIER)
- INLET FILTERS
- TEMPORARY DITCH CHECK
- TREE TRUNK PROTECTION



KEY MAP

MODEL: C:\3D\22\22-071 PH01\22-071 Design.dwg, Erosion 4

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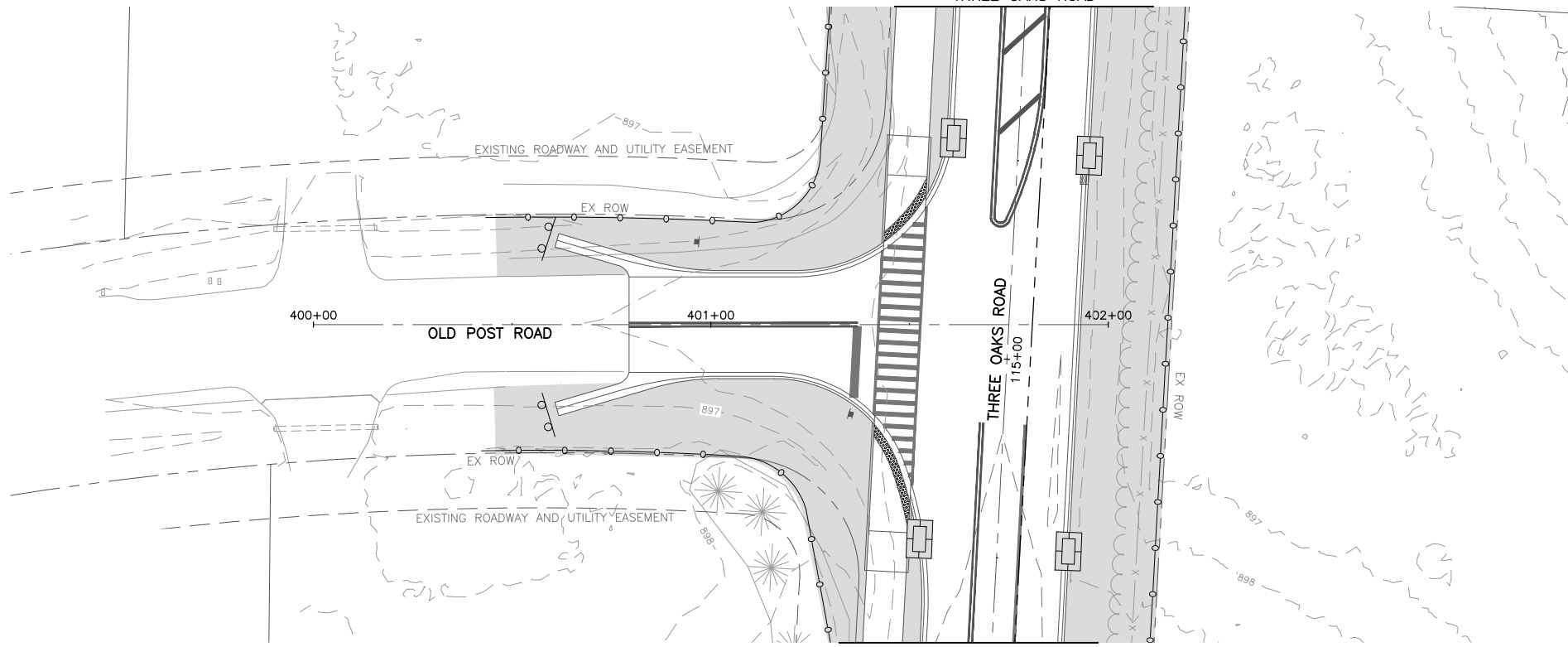
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PLOT DATE = 2/15/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLANS
 SCALE: AS NOTED SHEET 53 OF 129 SHEETS STA. TO STA.

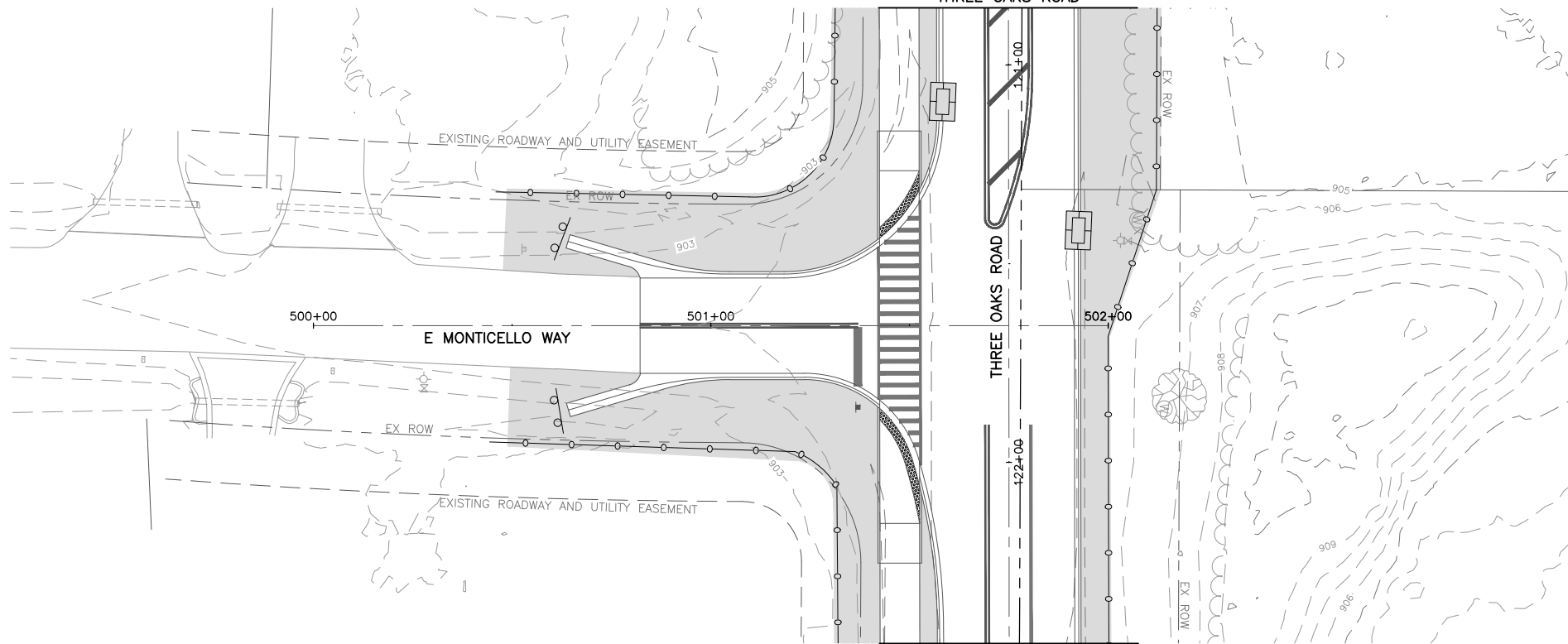
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4051	22-00134-00-TL	MCHENRY	129	53
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				

SEE SHEET 50
THREE OAKS ROAD

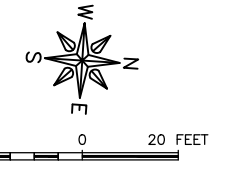


THREE OAKS ROAD
SEE SHEET 50

SEE SHEET 51
THREE OAKS ROAD



THREE OAKS ROAD
SEE SHEET 51









GENERAL NOTES

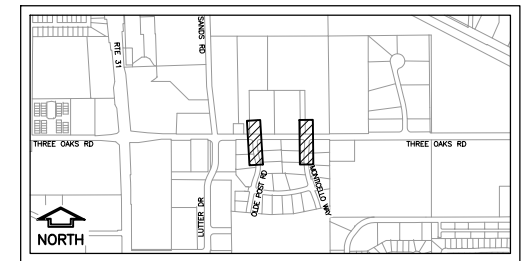
CONTRACTOR TO RESTORE ANY DISTURBED AREA TO PRE CONSTRUCTION CONDITIONS.
ALL DISTURBED AREAS TO RECEIVE SEEDING PER IDOT CLASS 1A.
ANY DAMAGE TO CURBS OR OTHER EXISTING ITEMS NOT INTENDED TO BE REPLACED SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST.
POSITIVE DRAINAGE SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT.

SITE DISTURBANCE SCHEDULE

AREA TO BE DISTURBED = 2.00 ACRES
AREA NOT TO BE DISTURBED = 4.31 ACRES
TOTAL SITE = 6.31 ACRES

LEGEND

-  IDOT CLASS 1A SEED AND 6" TOPSOIL WITH EROSION CONTROL BLANKET
-  RIP-RAP
-  SILT FENCE (PERIMETER EROSION BARRIER)
-  INLET FILTERS
-  TEMPORARY DITCH CHECK
-  TREE TRUNK PROTECTION



KEY MAP

MODEL: FILE NAME: C:\3D\22-071-071\PH01\22-071-071 Design.dwg, Erosion 5

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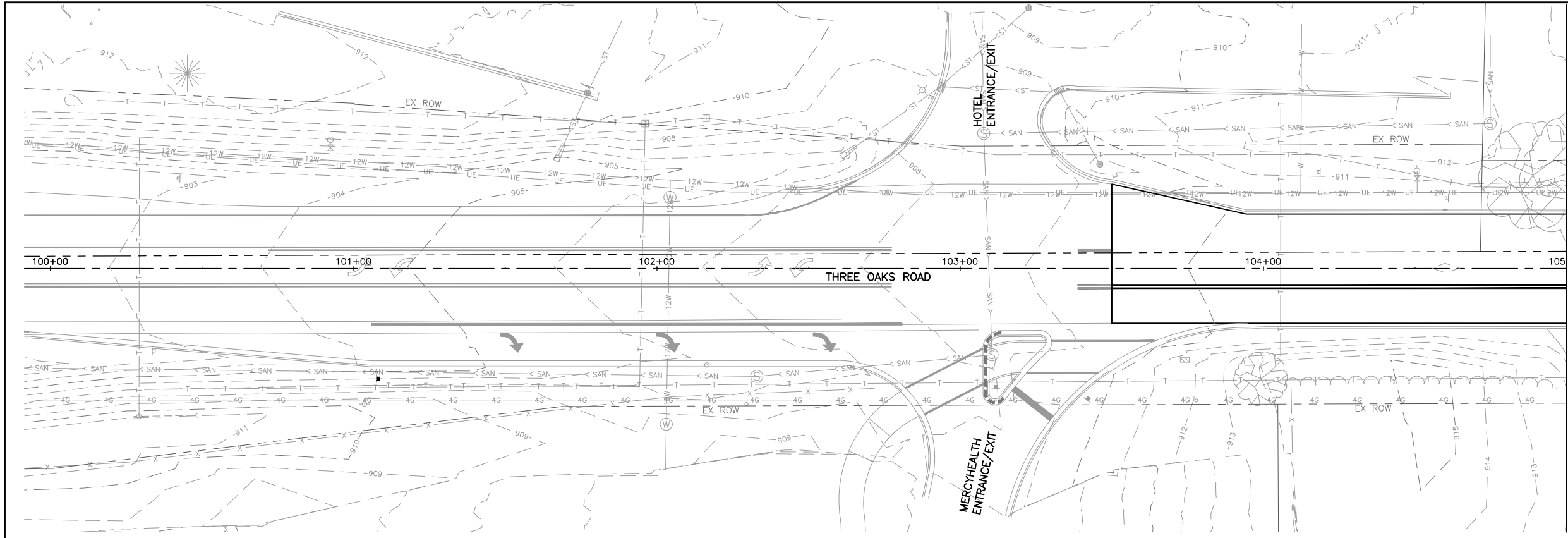
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PLOT SCALE = AS NOTED	DRAWN -- BF/YJ	REVISED --
PLOT DATE = 2/15/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

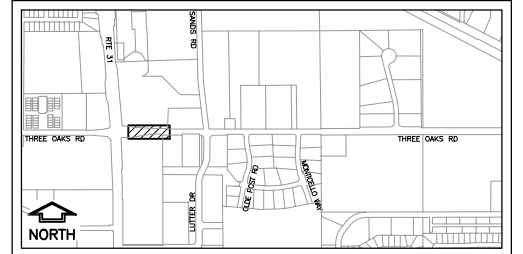
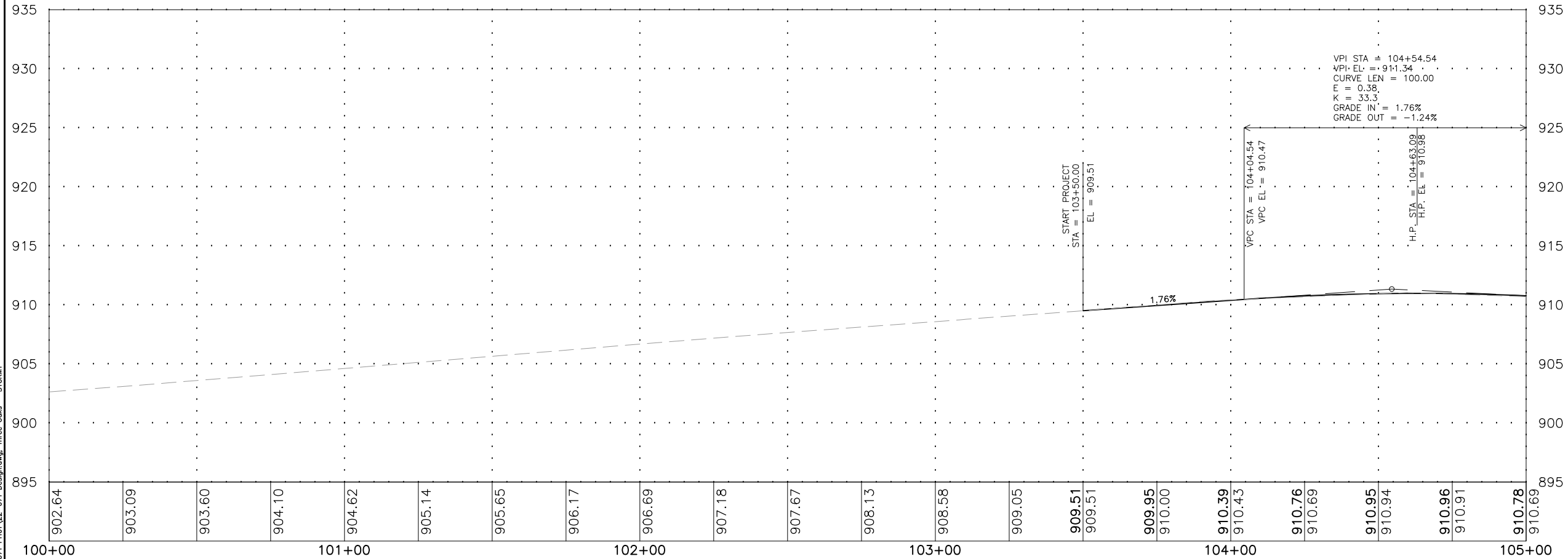
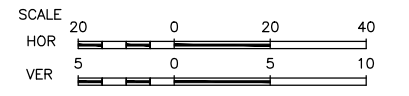
EROSION CONTROL PLANS

SCALE: AS NOTED SHEET 54 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	54
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				



MATCHLINE STA 105+00
SEE SHEET 56



KEY MAP

MODEL: C3D V22 22-071 PH01.22-071 Design.dwg, Three Oaks - STORM



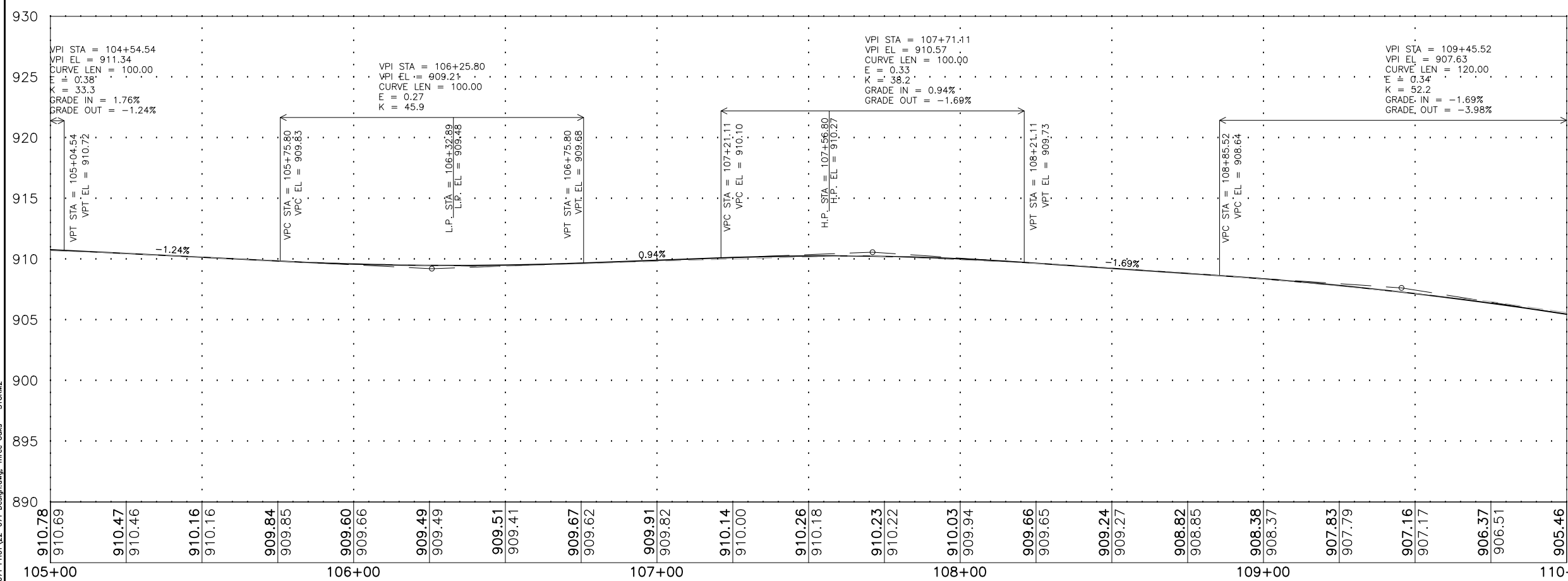
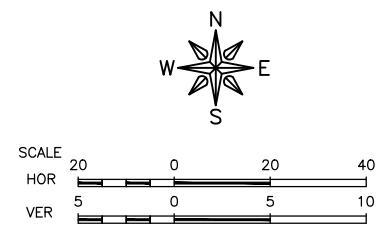
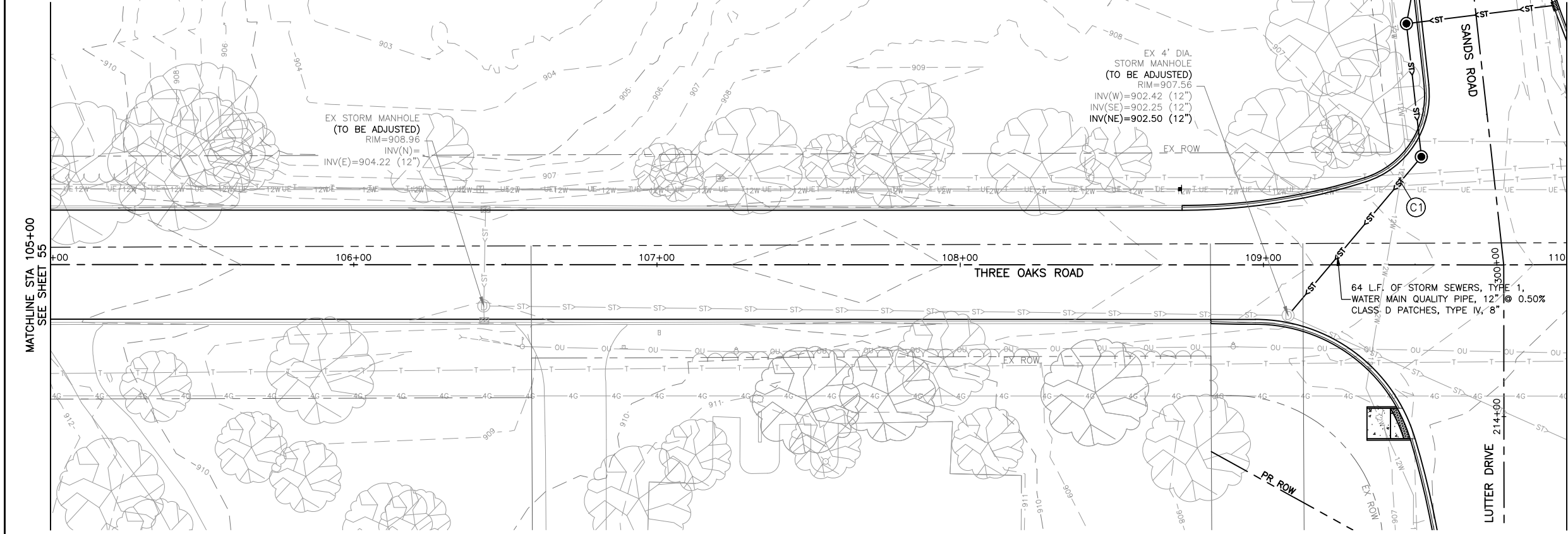
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PLOT SCALE = AS NOTED	DRAWN = BF/YJ	REVISED =
PLOT DATE = 2/15/24	CHECKED =	REVISED =
	DATE = 03/01/23	REVISED =

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

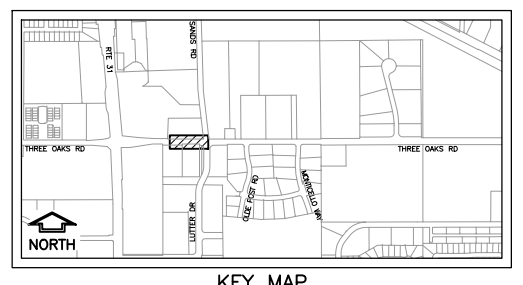
DRAINAGE PLAN - THREE OAKS ROAD

SCALE: AS NOTED SHEET 55 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	55
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				



CROSSING	INVERT OF UPPER PIPE	ELEVATION	CROWN OF LOWER PIPE	ELEVATION
C1	PROPOSED 12" WMO PIPE STORM SEWER	902.79	EXISTING WATERMAIN	900.58



MODEL FILE NAME: C:\3D\22-071 PH01\22-071 Design.dwg, Three Oaks - STORM2



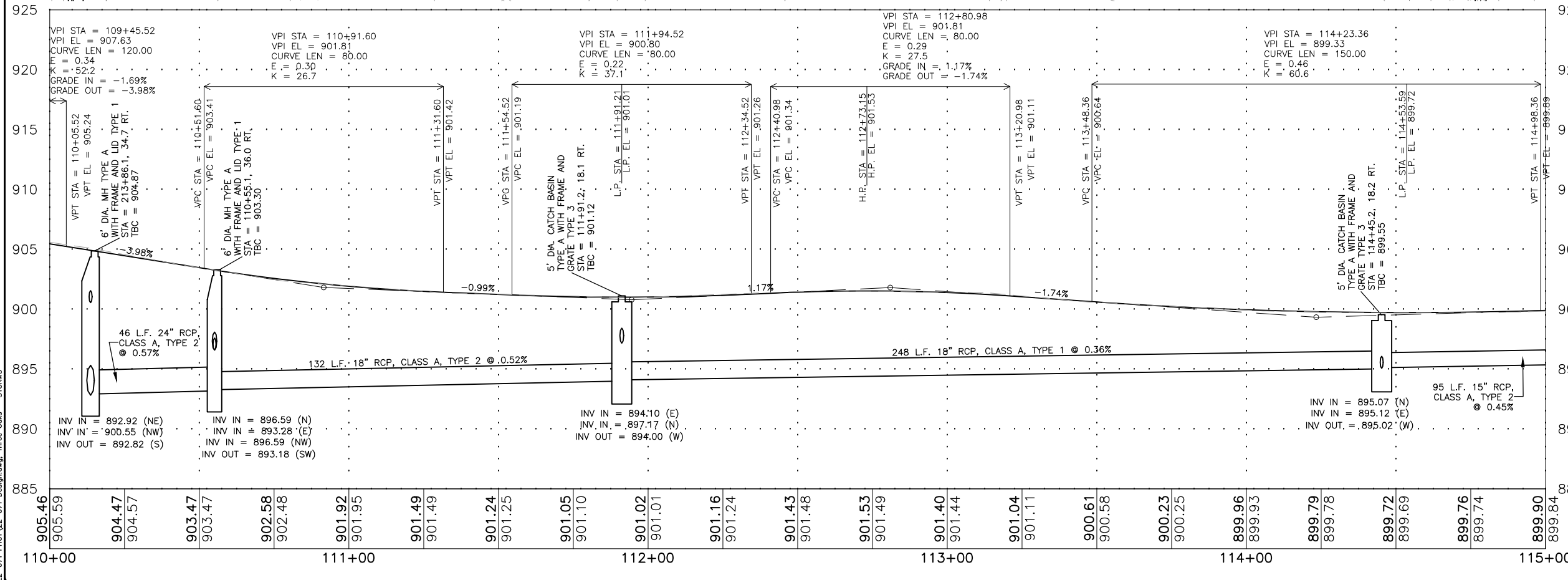
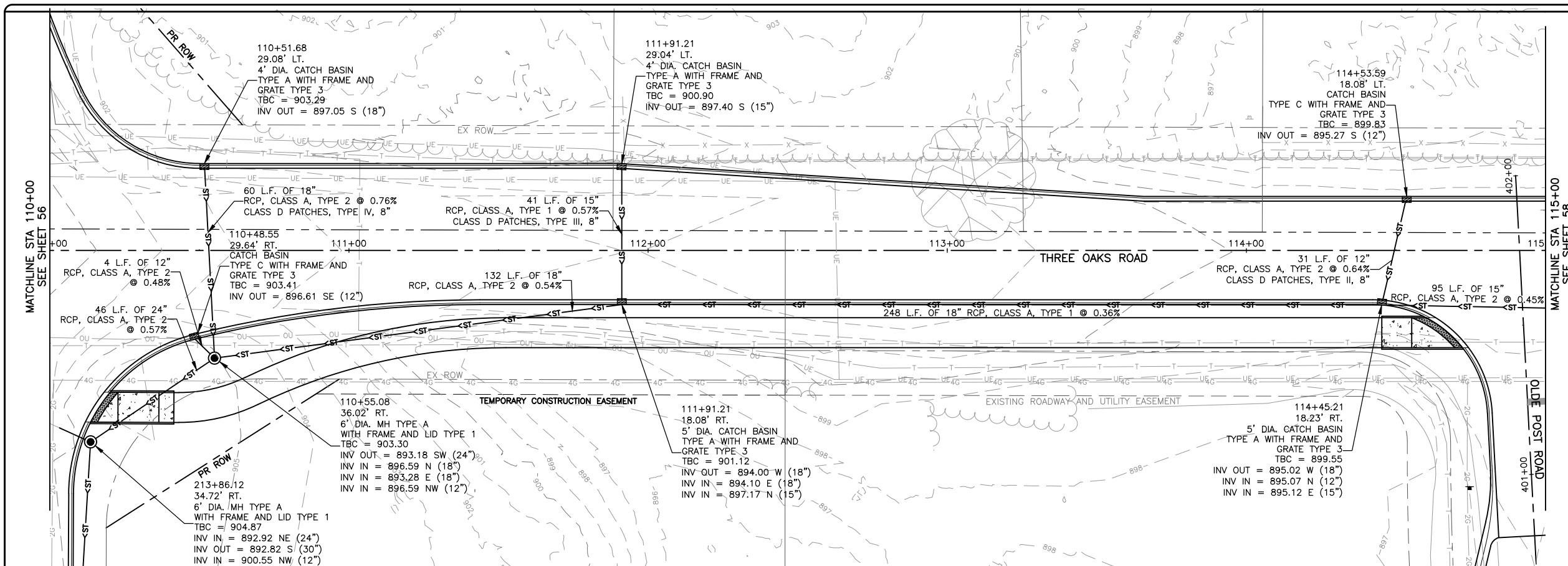
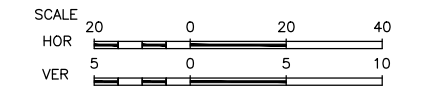
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PLOT SCALE = AS NOTED	DRAWN = BF/YJ	REVISED =
PLOT DATE = 2/15/24	CHECKED =	REVISED =
	DATE = 03/01/23	REVISED =

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE PLAN - THREE OAKS ROAD

SCALE: AS NOTED SHEET 56 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	56
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				



MODEL FILE NAME: C:\3D\22-071 PH01\22-071 Design.dwg, Three Oaks - STORM3

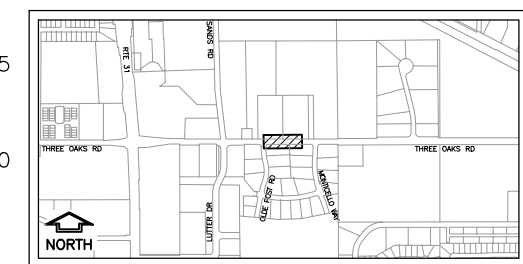
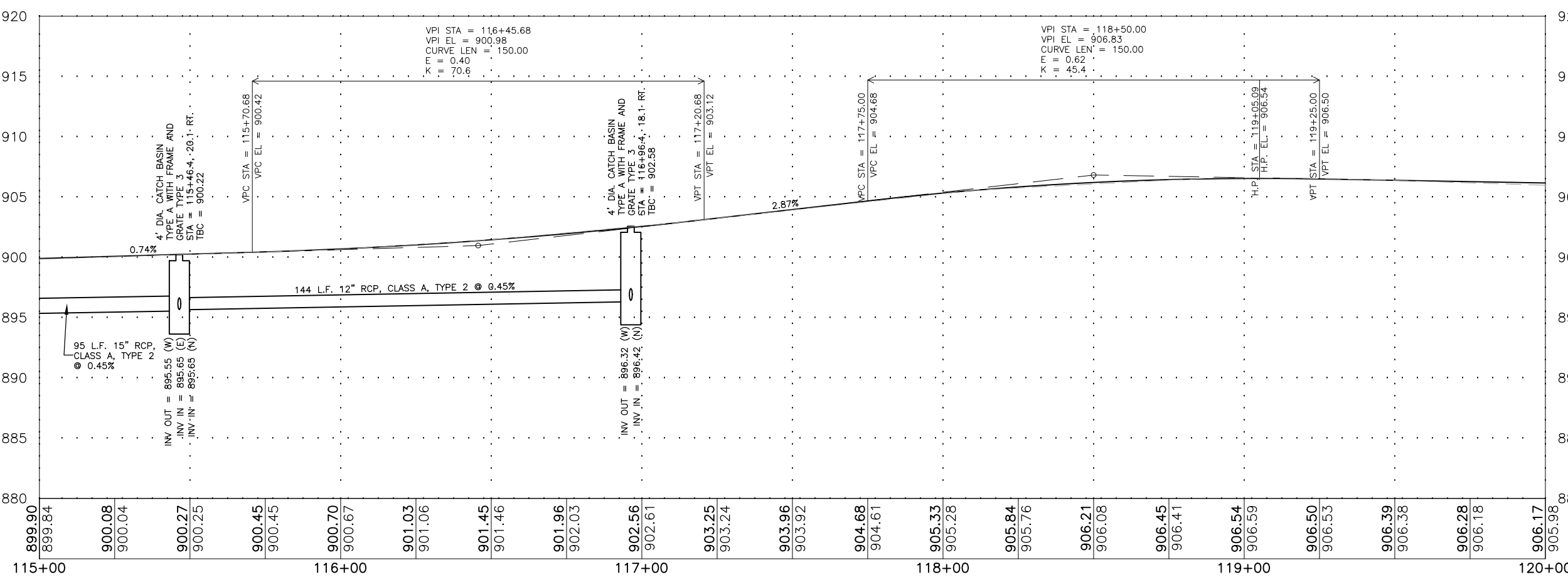
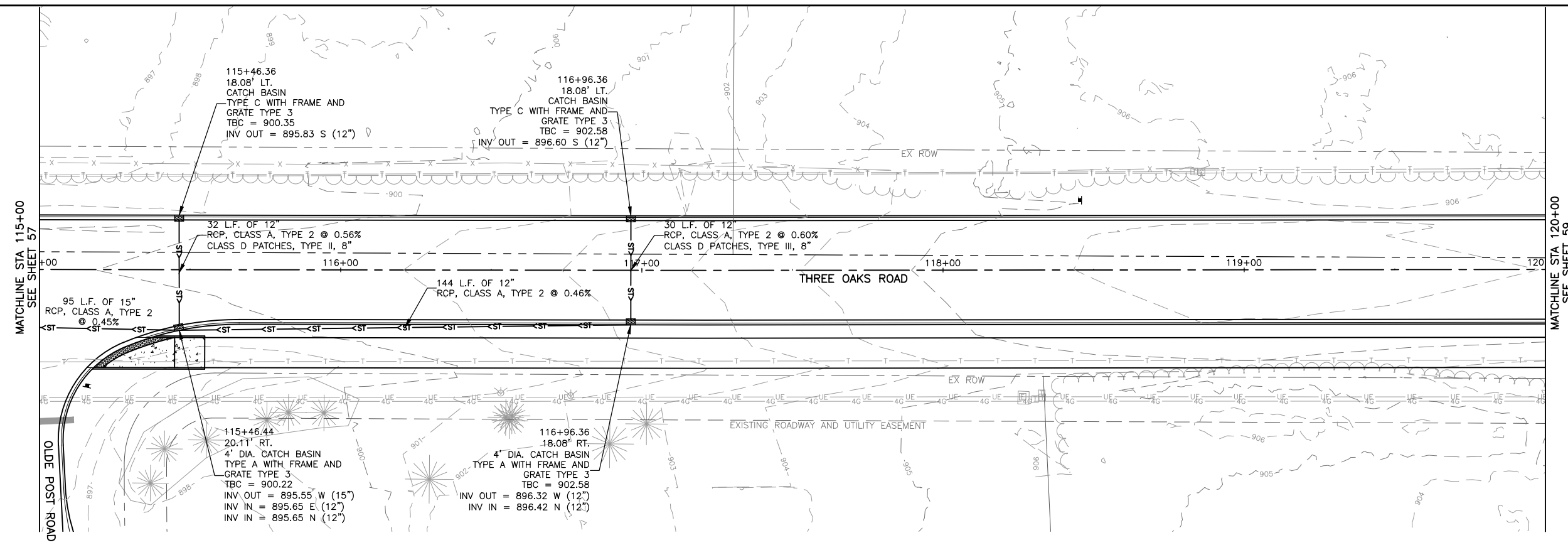
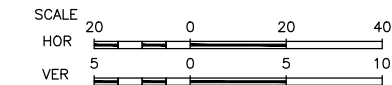
FEHR GRAHAM
 ENGINEERING & ENVIRONMENTAL
 ILLINOIS REG. NO. 14-03092
 © 2024 FEHR GRAHAM

USER NAME = BF/YJ	DESIGNED = VL	REVISED =
PLOT SCALE = AS NOTED	DRAWN = BF/YJ	REVISED =
PLOT DATE = 2/15/24	CHECKED =	REVISED =
	DATE = 03/01/23	REVISED =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN - THREE OAKS ROAD	
SCALE: AS NOTED	SHEET 57 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	57
CONTRACT NO 61K35			ILLINOIS FED. AID PROJECT	



KEY MAP

MODEL: FILE NAME: C:\3D\22-071 PH01\22-071 Design.dwg, Three Oaks - STORM4

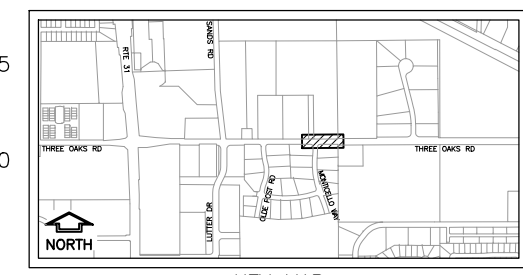
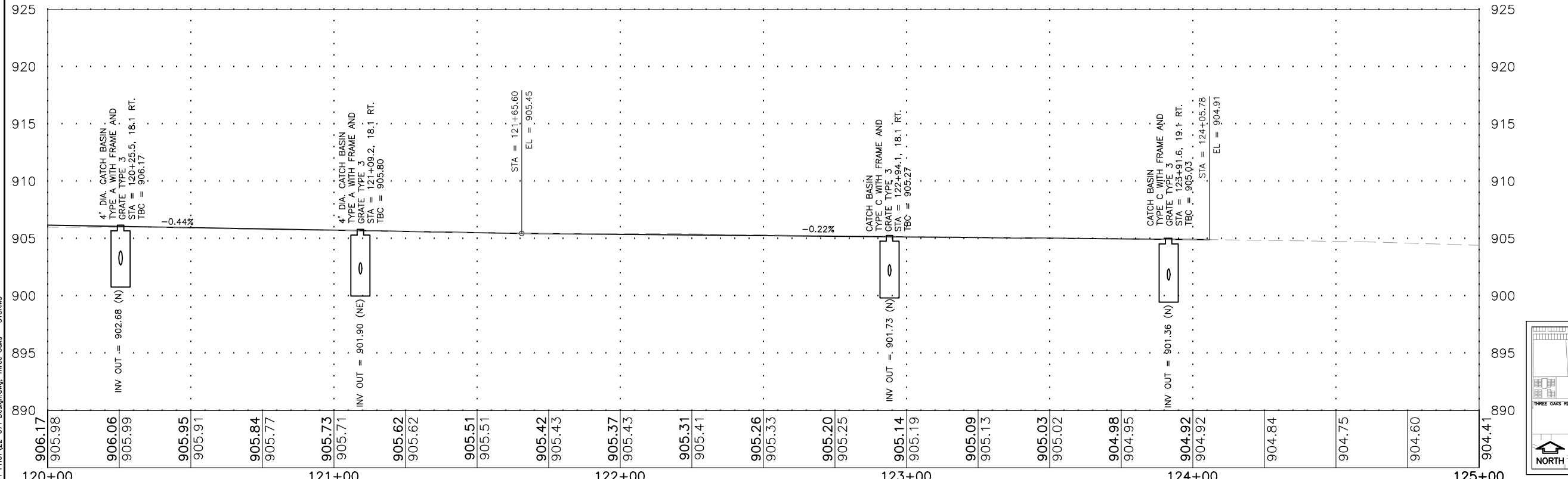
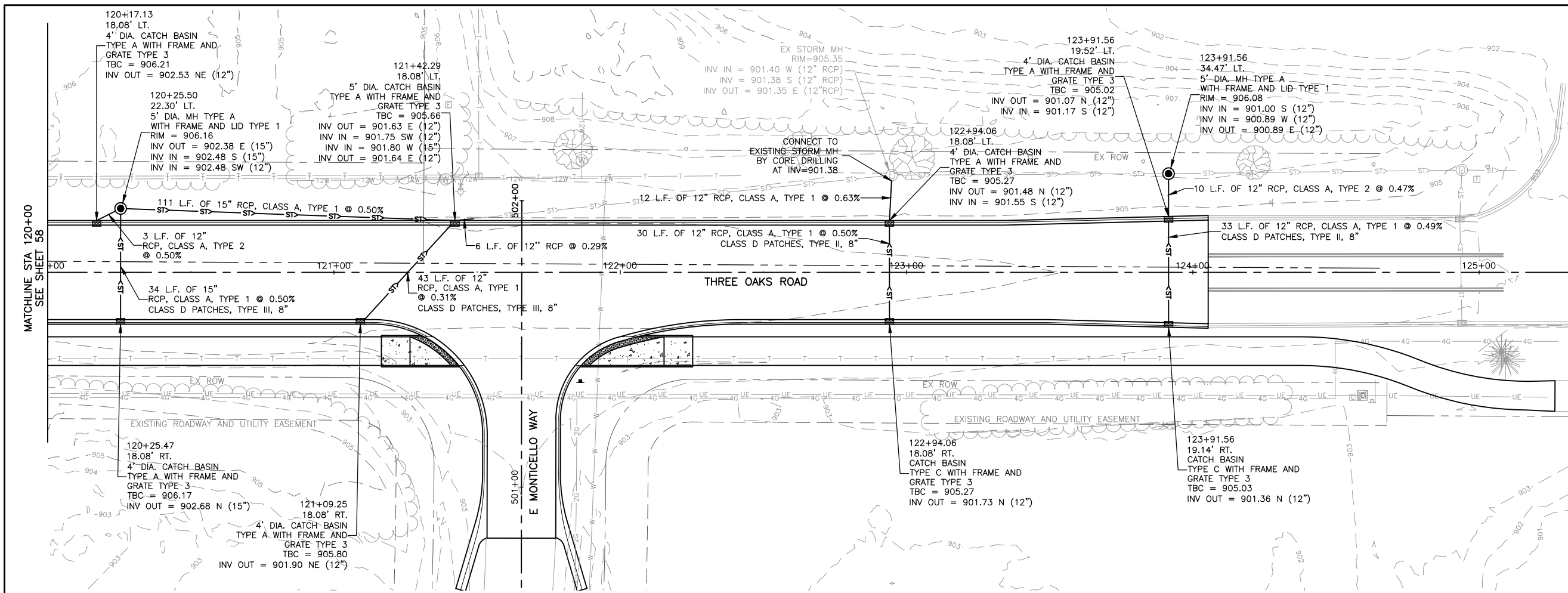
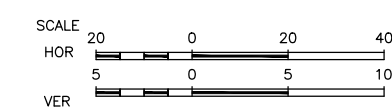


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PLOT DATE = 2/15/24	CHECKED =	REVISED =
	DATE = 03/01/23	REVISED =

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE PLAN - THREE OAKS ROAD			
SCALE: AS NOTED	SHEET 58	OF 129 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	58
CONTRACT NO 61K35			ILLINOIS FED. AID PROJECT	



MODEL FILE NAME: C:\3D\22-071 PH01\22-071 Design.dwg, Three Oaks - STORM5

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ILLINOIS REG. NO. 144-03392
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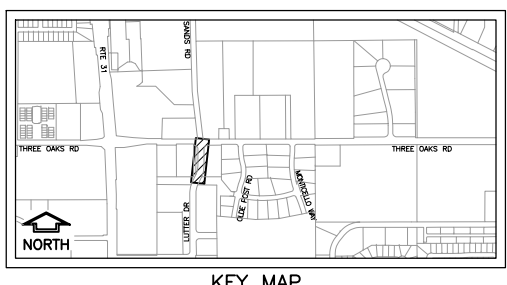
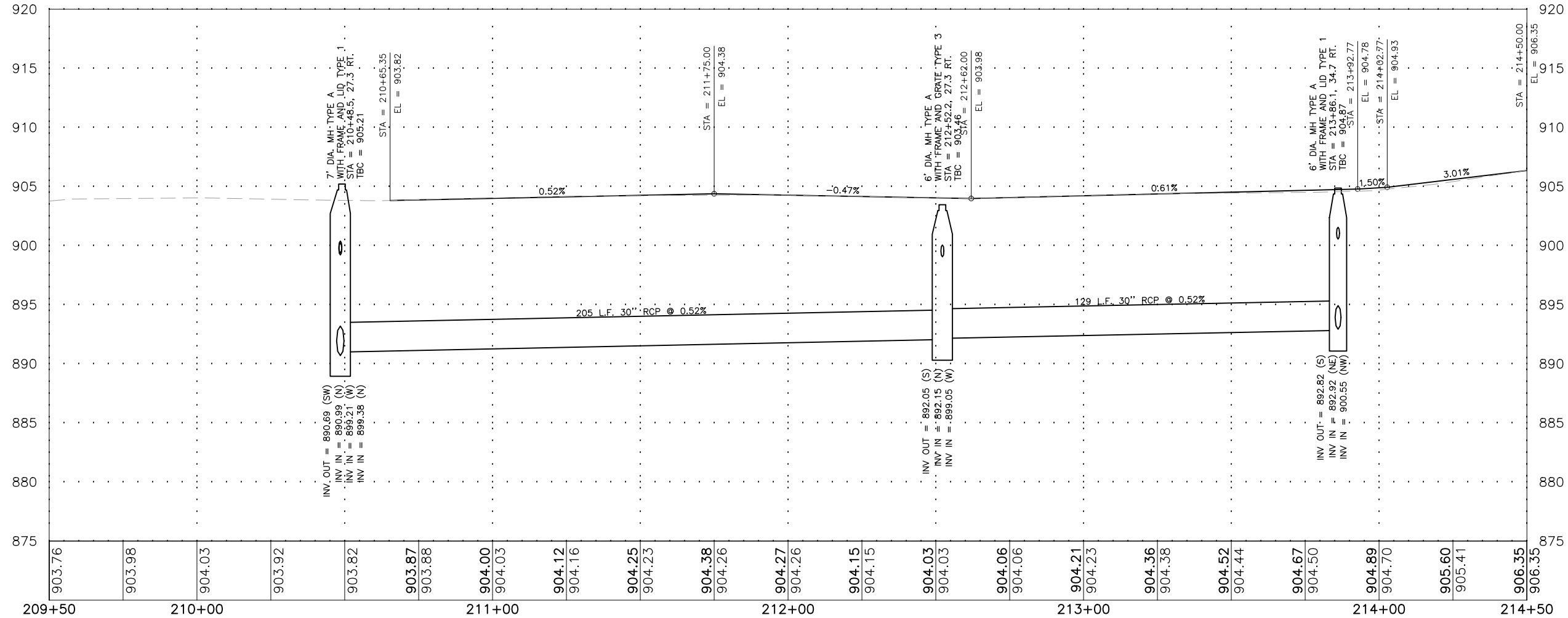
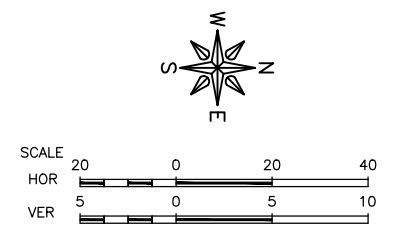
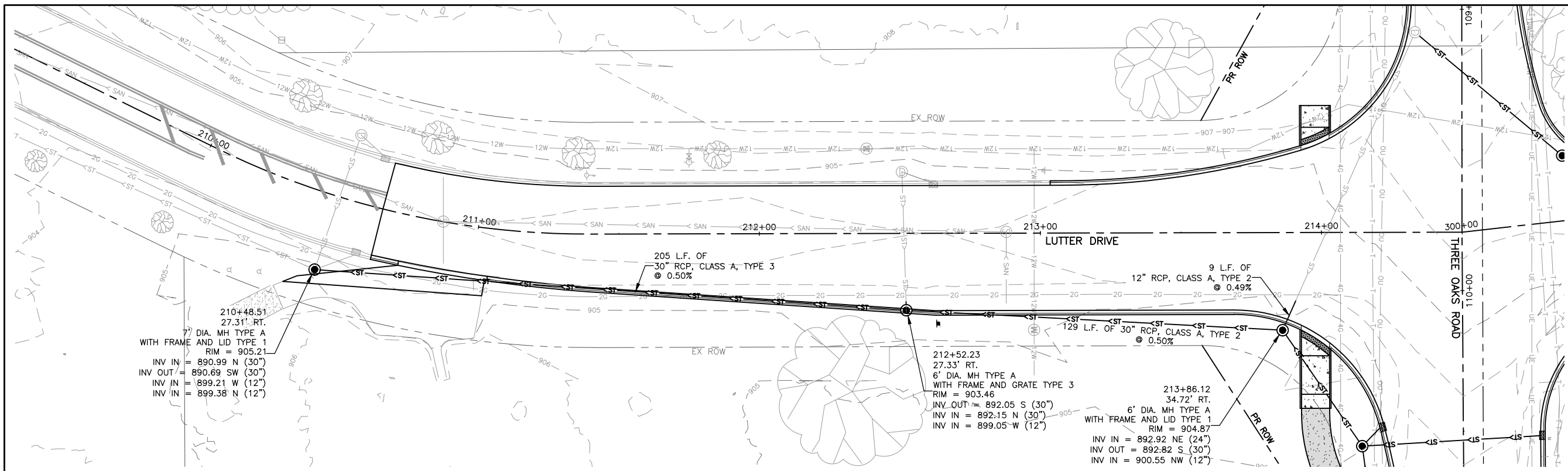
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PLOT DATE = 2/15/24	CHECKED =	REVISED =
	DATE = 03/01/23	REVISED =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN - THREE OAKS ROAD

SCALE: AS NOTED SHEET 59 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	59
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				



MODEL FILE NAME: C:\3D\22-071 PH01\22-071 Design.dwg, Lutter - STORM



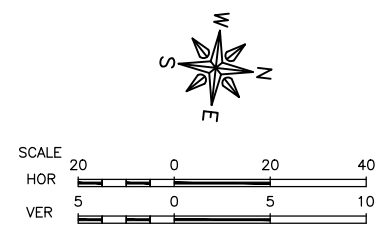
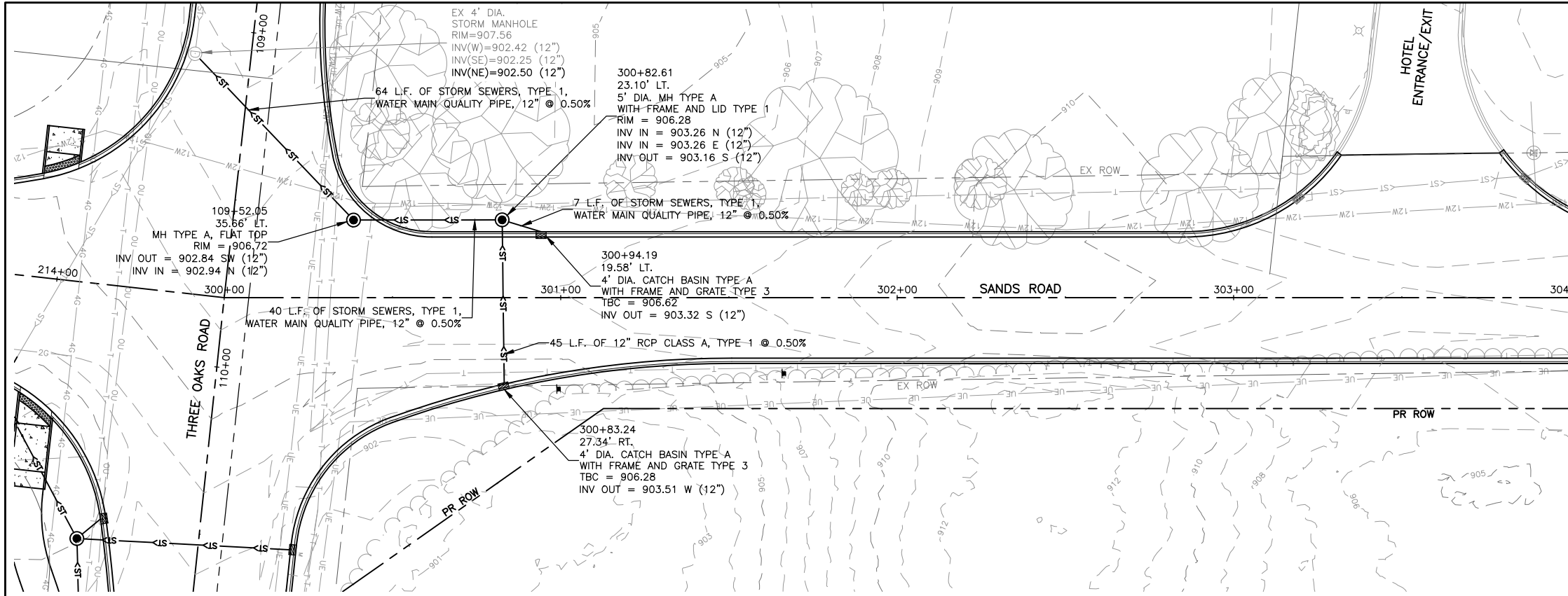
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	DATE = 03/01/23	REVISED =

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

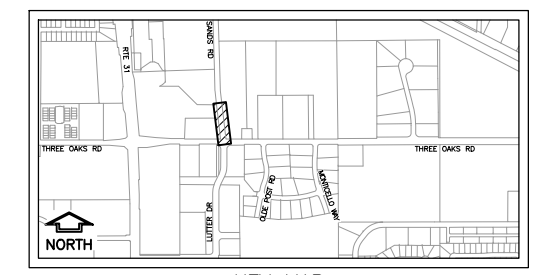
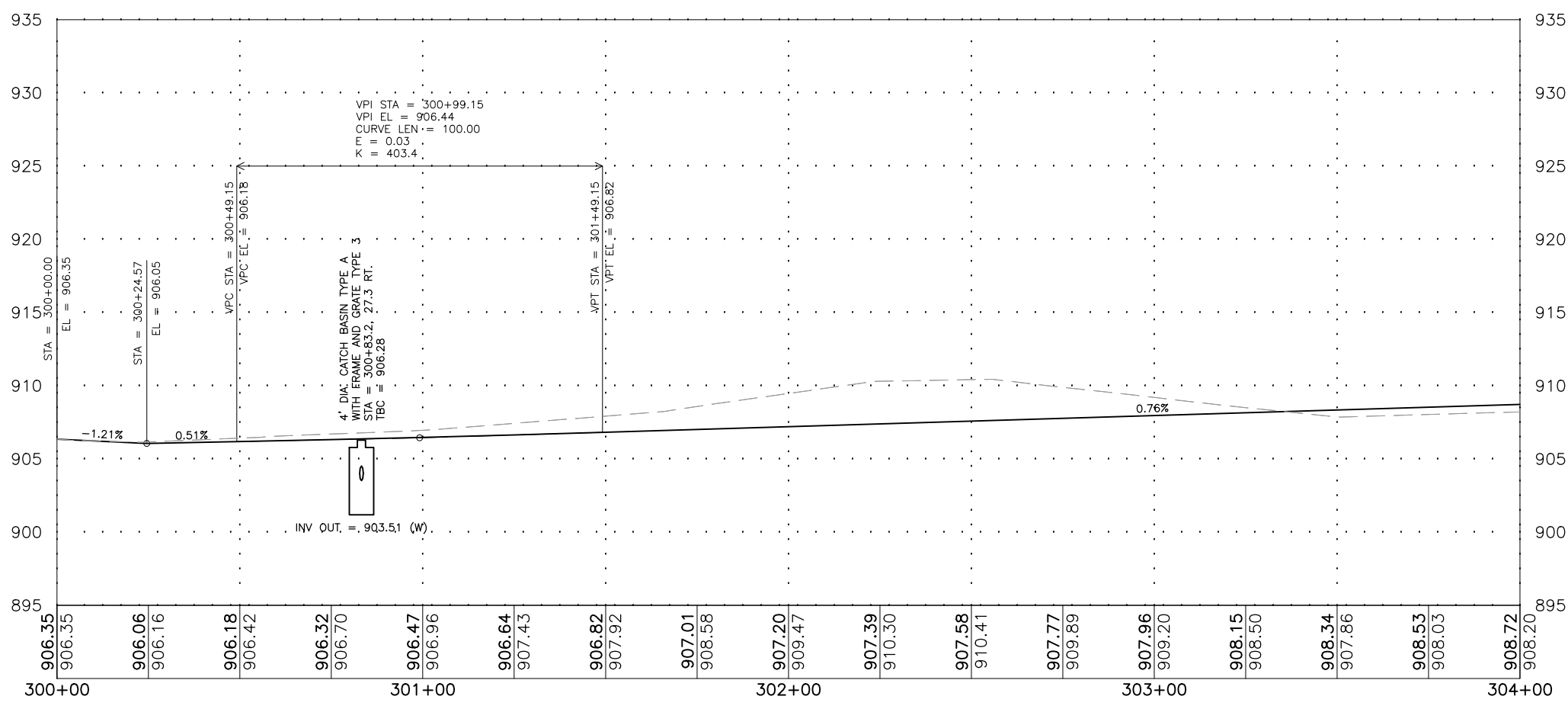
DRAINAGE PLAN - LUTTER DRIVE

SCALE: AS NOTED SHEET 60 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	60
CONTRACT NO 61K35			ILLINOIS FED. AID PROJECT	



MATCHLINE STA 304+00
SEE SHEET 62



KEY MAP

MODEL: FILE NAME: C:\3D\22-071-071-Design.dwg, Sands - STORM

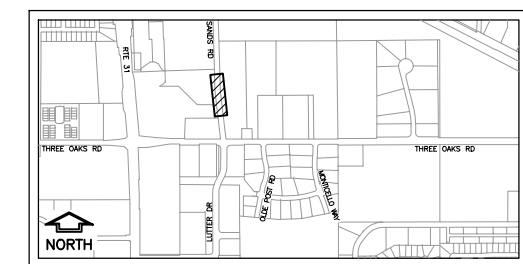
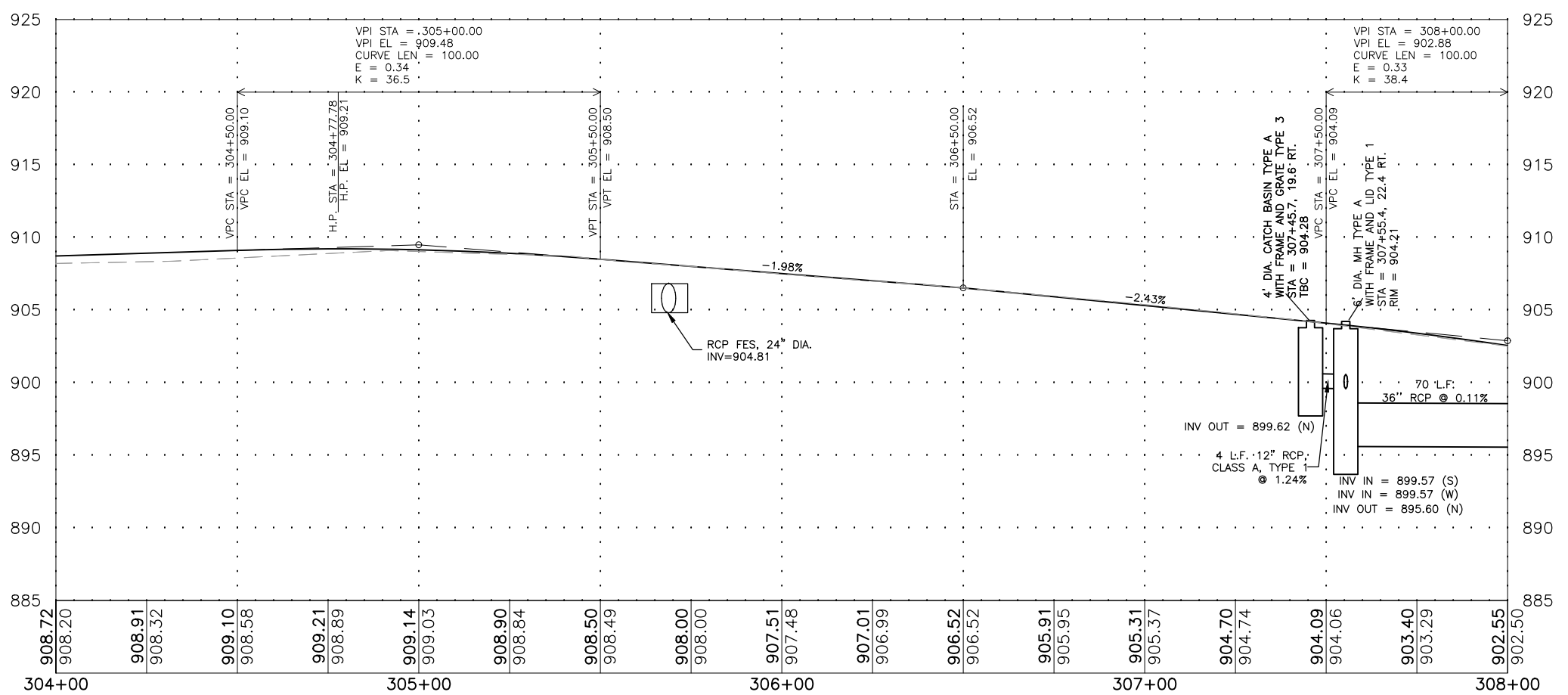
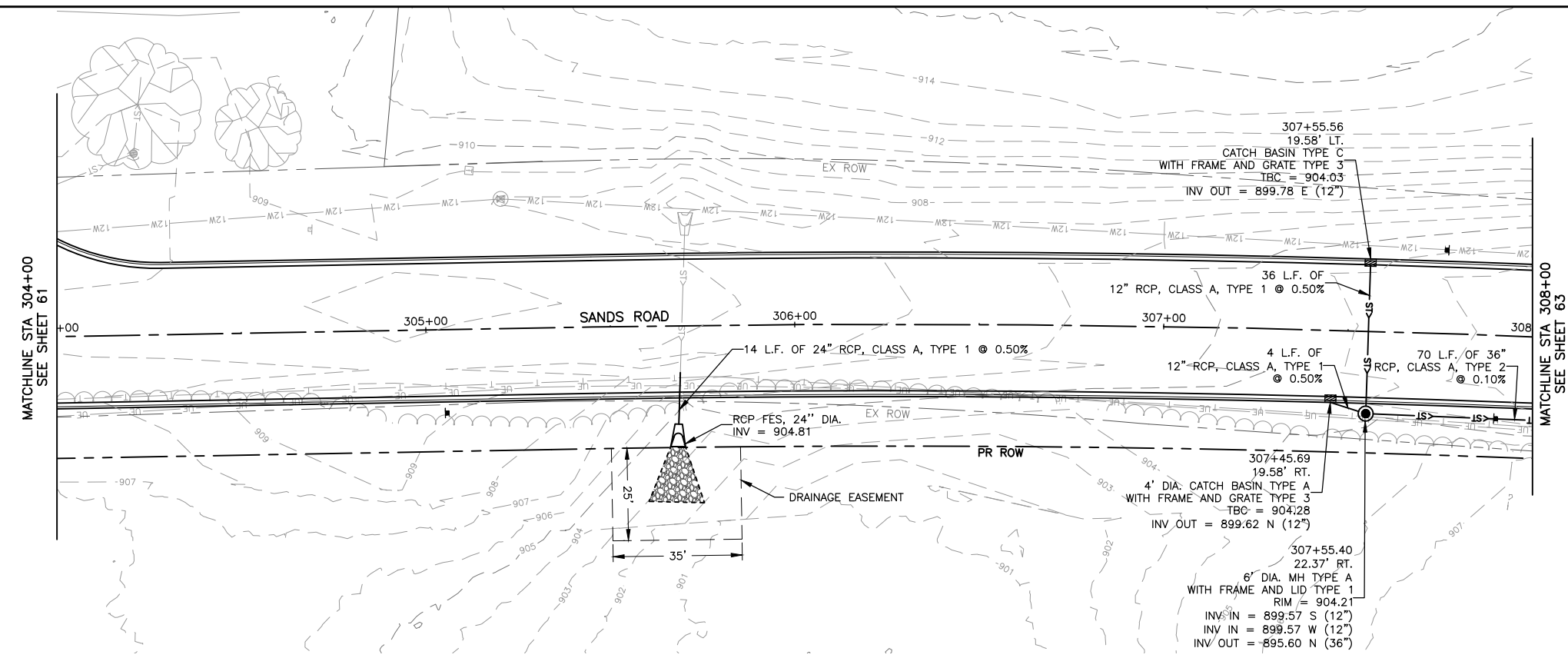
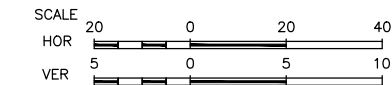
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ILLINOIS DESIGN FIRM NO. 144-033925
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USER NAME = BF/YJ	DESIGNED = VL	REVISED =
PLOT SCALE = AS NOTED	DRAWN = BF/YJ	REVISED =
PLOT DATE = 2/15/24	CHECKED =	REVISED =
	DATE = 03/01/23	REVISED =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN - SANDS ROAD		
SCALE: AS NOTED	SHEET 61	OF 129 SHEETS
STA.	TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	61
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				



KEY MAP

MODEL: FILE NAME: C:\3D\22-071 PH01\22-071 Design.dwg, Sands - STORM2



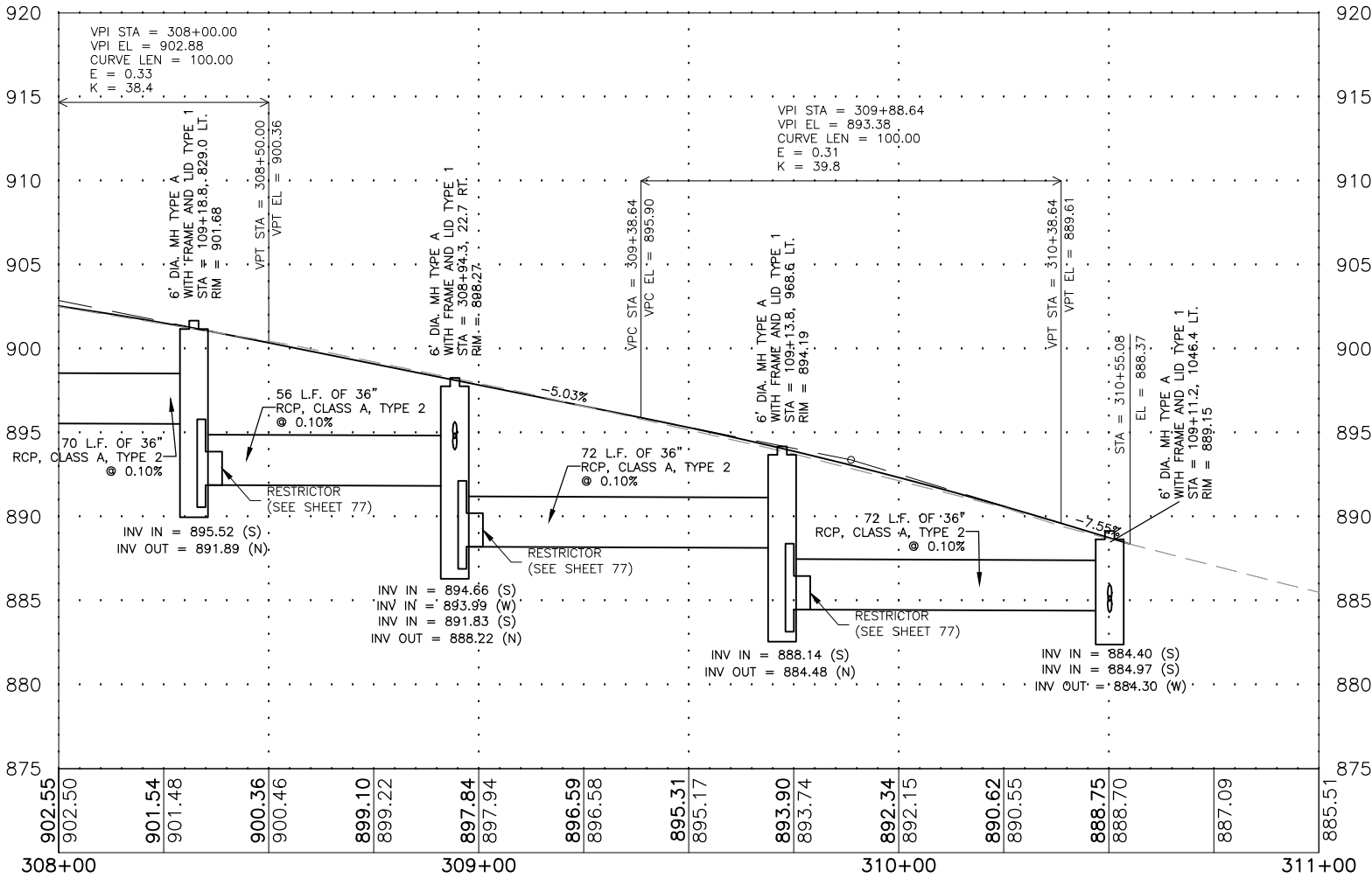
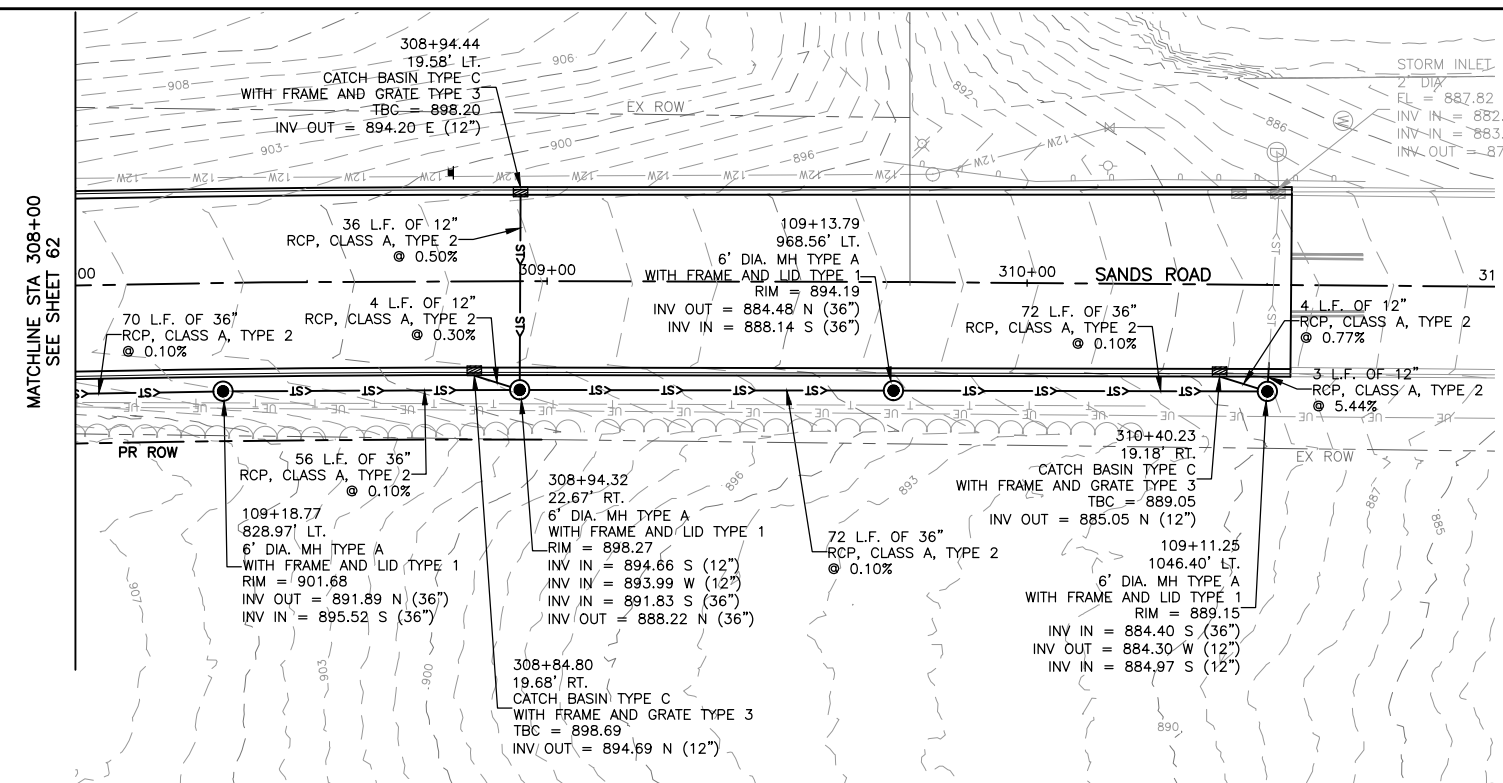
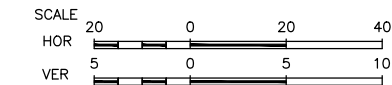
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PLOT DATE = 2/15/24	CHECKED =	REVISED =
	DATE = 03/01/23	REVISED =

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRAINAGE PLAN - SANDS ROAD

SCALE: AS NOTED SHEET 62 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	62
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				



KEY MAP

MODEL: FILE NAME: C:\3D\22-071 PH01\22-071 Design.dwg, Sands - STORM3

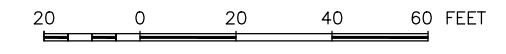


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PLOT DATE = 2/15/24	CHECKED =	REVISED =
	DATE = 03/01/23	REVISED =

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRAINAGE PLAN - SANDS ROAD			
SCALE: AS NOTED	SHEET 63	OF 129 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	63
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				

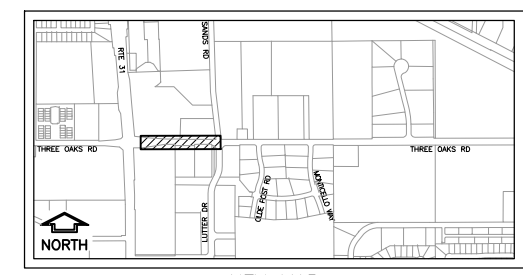
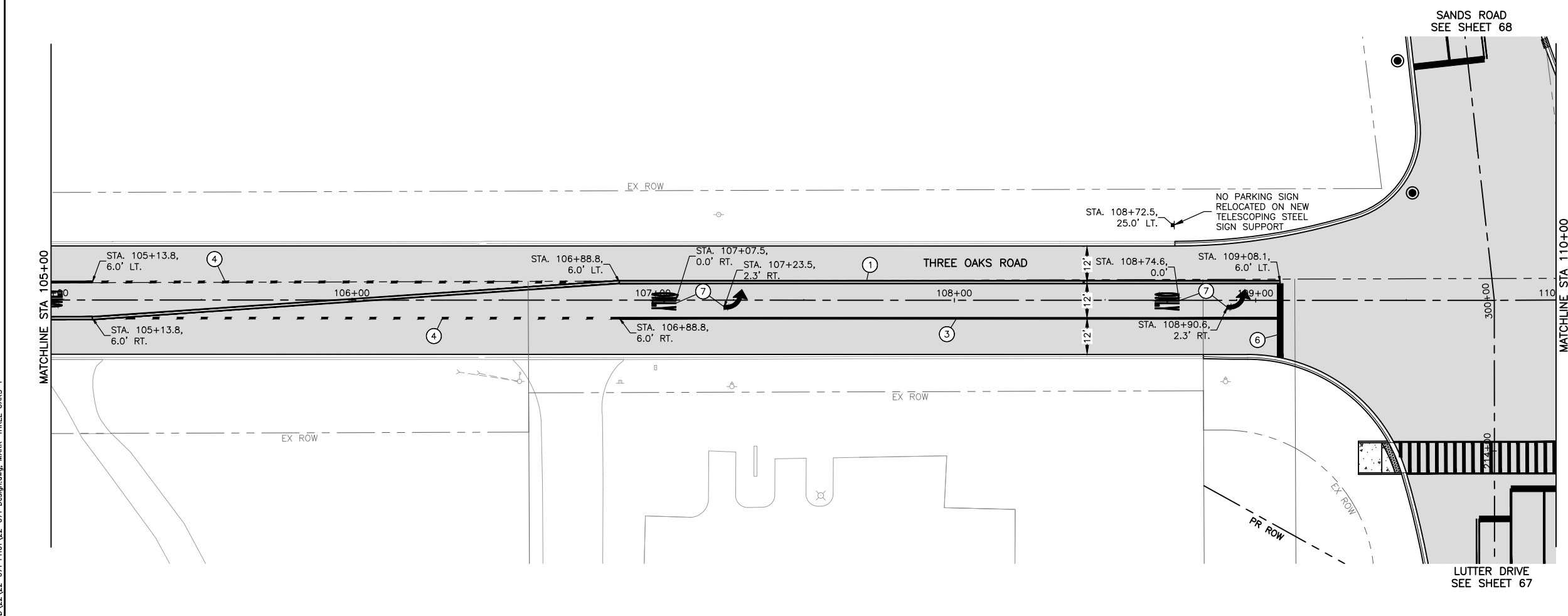
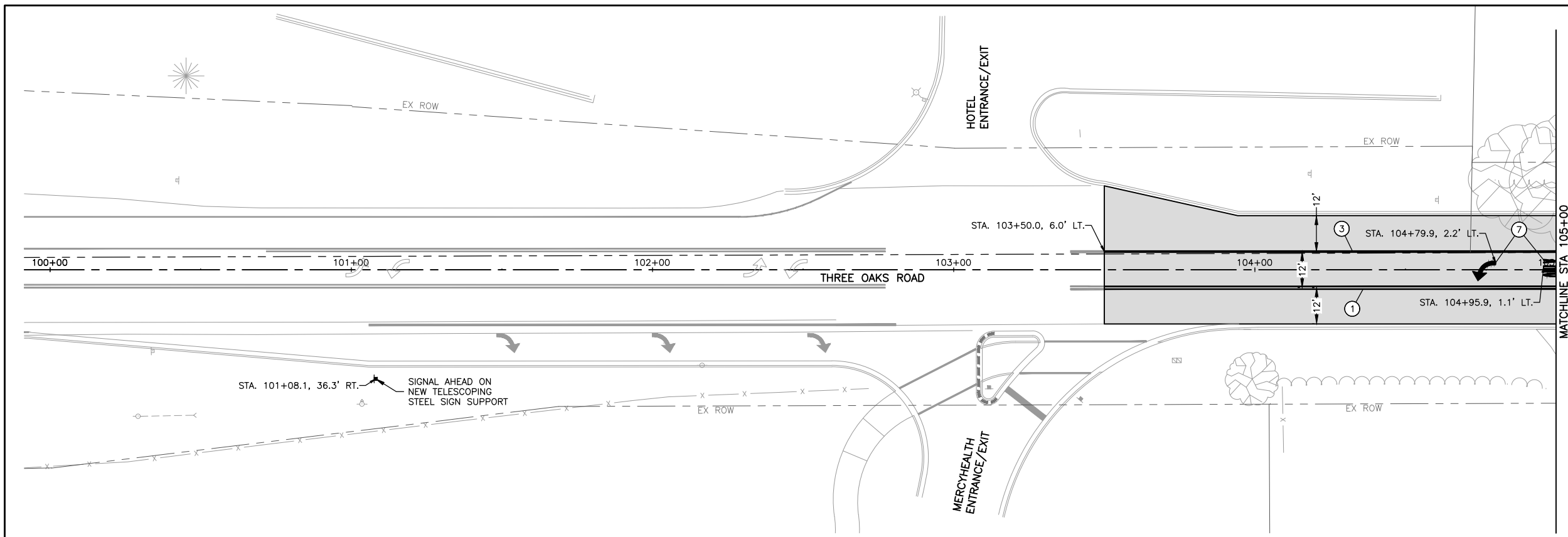


KEYNOTES

1. THERMOPLASTIC PAVEMENT MARKING – LINE 4" SOLID (DOUBLE YELLOW).
2. THERMOPLASTIC PAVEMENT MARKING – LINE 4" SOLID (YELLOW).
3. THERMOPLASTIC PAVEMENT MARKING – LINE 6" SOLID (WHITE).
4. THERMOPLASTIC PAVEMENT MARKING – LINE 6" 2-6 SKIP DASH (WHITE).
5. THERMOPLASTIC PAVEMENT MARKING – LINE 12" SOLID (WHITE).
6. THERMOPLASTIC PAVEMENT MARKING – LINE 24" SOLID (WHITE).
7. THERMOPLASTIC PAVEMENT MARKING – LETTERS AND SYMBOLS (WHITE) 8" HEIGHT.
8. THERMOPLASTIC PAVEMENT MARKING – LINE 4" 10-30 SKIP DASH (YELLOW).
9. THERMOPLASTIC PAVEMENT MARKING – LINE 12" SOLID (YELLOW).

GENERAL NOTES:

ALL SIGNS SHALL BE INSTALLED ON A NEW TELESCOPING STEEL SIGN SUPPORT.



MODEL: FILE NAME: C:\3D\22\22-071 PH01\22-071 Design.dwg, MARK-THREE OAKS-1



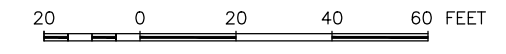
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	DATE -- 03/01/23	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**THREE OAKS ROAD - PAVEMENT MARKING AND
SIGNING PLAN**

SCALE: AS NOTED SHEET 64 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	64
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				

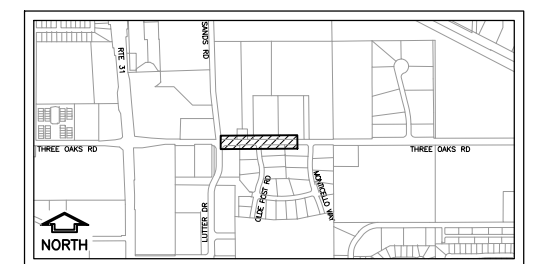
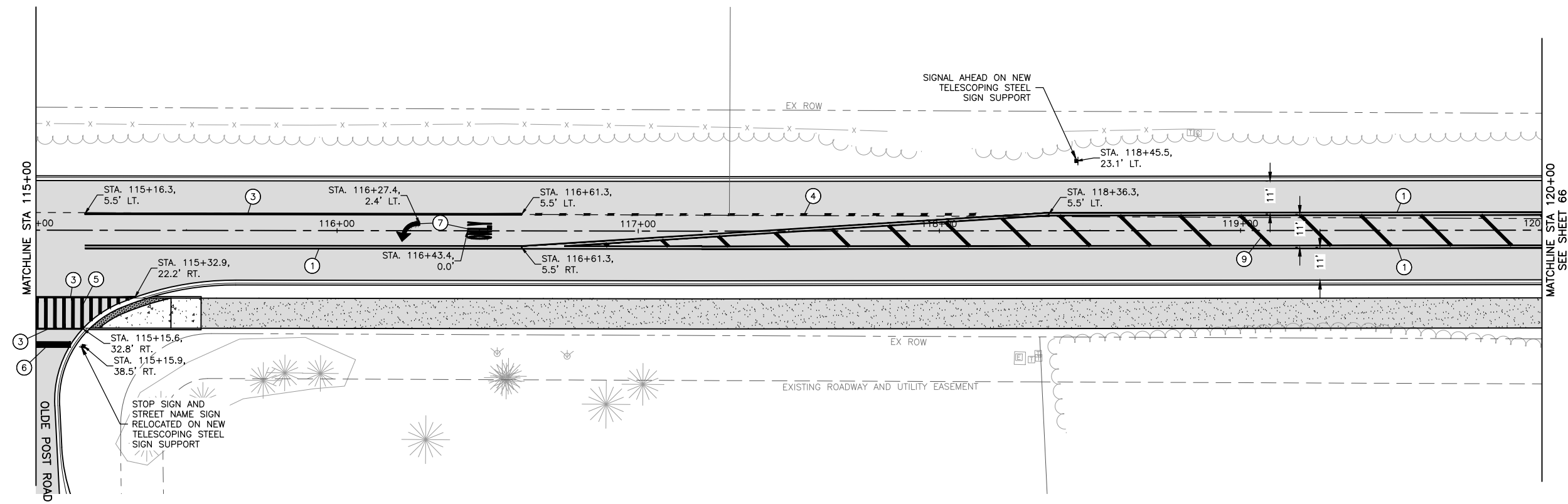
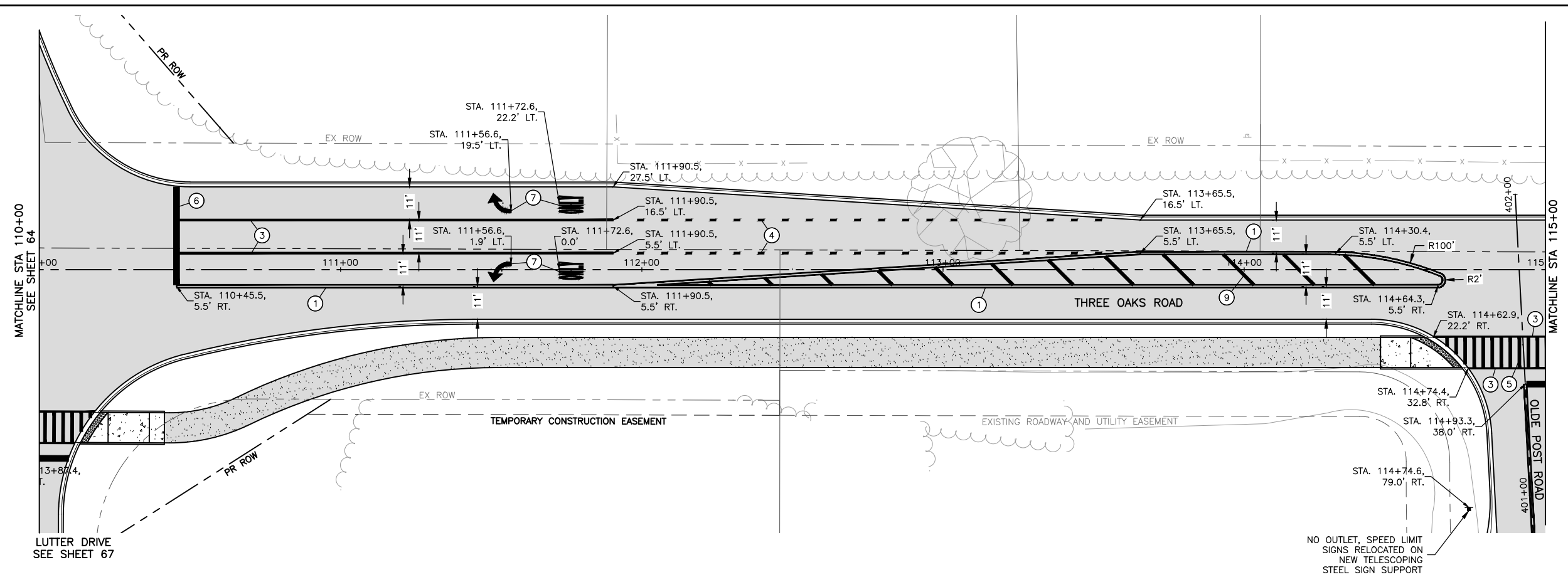


KEYNOTES

1. THERMOPLASTIC PAVEMENT MARKING – LINE 4" SOLID (DOUBLE YELLOW).
2. THERMOPLASTIC PAVEMENT MARKING – LINE 4" SOLID (YELLOW).
3. THERMOPLASTIC PAVEMENT MARKING – LINE 6" SOLID (WHITE).
4. THERMOPLASTIC PAVEMENT MARKING – LINE 6" 2-6 SKIP DASH (WHITE).
5. THERMOPLASTIC PAVEMENT MARKING – LINE 12" SOLID (WHITE).
6. THERMOPLASTIC PAVEMENT MARKING – LINE 24" SOLID (WHITE).
7. THERMOPLASTIC PAVEMENT MARKING – LETTERS AND SYMBOLS (WHITE) 8" HEIGHT.
8. THERMOPLASTIC PAVEMENT MARKING – LINE 4" 10-30 SKIP DASH (YELLOW).
9. THERMOPLASTIC PAVEMENT MARKING – LINE 12" SOLID (YELLOW).

GENERAL NOTES:

ALL SIGNS SHALL BE INSTALLED ON A NEW TELESCOPING STEEL SIGN SUPPORT.



KEY MAP

MODEL: C:\3D\22-071 PH01\22-071 Design.dwg, MARK-THREE OAKS-2

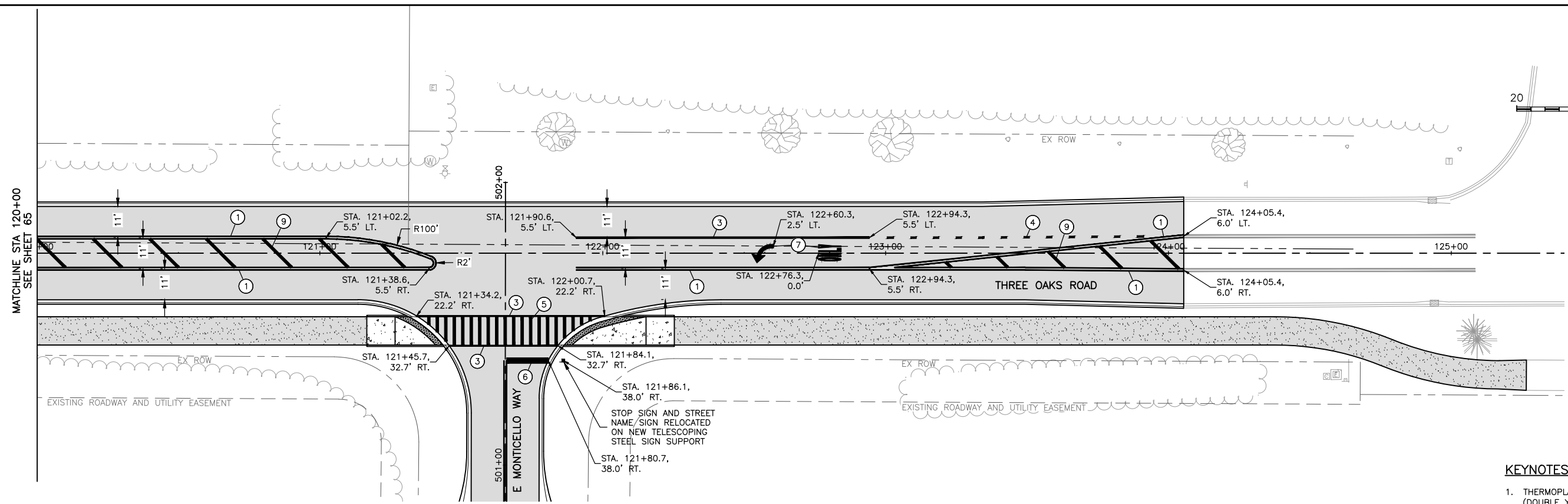
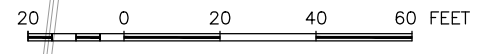


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PLOT SCALE = AS NOTED	DRAWN -- BF/YJ	REVISED --
PLOT DATE = 2/15/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

THREE OAKS ROAD - PAVEMENT MARKING AND SIGNING PLAN			
SCALE: AS NOTED	SHEET 65	OF 129 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	65
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				

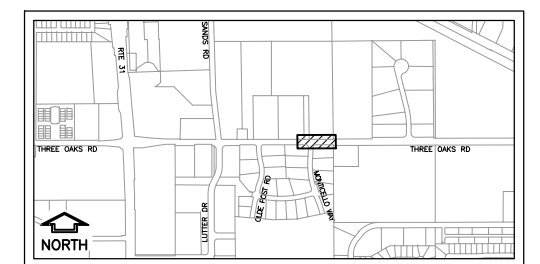


KEYNOTES

1. THERMOPLASTIC PAVEMENT MARKING – LINE 4" SOLID (DOUBLE YELLOW).
2. THERMOPLASTIC PAVEMENT MARKING – LINE 4" SOLID (YELLOW).
3. THERMOPLASTIC PAVEMENT MARKING – LINE 6" SOLID (WHITE).
4. THERMOPLASTIC PAVEMENT MARKING – LINE 6" 2-6 SKIP DASH (WHITE).
5. THERMOPLASTIC PAVEMENT MARKING – LINE 12" SOLID (WHITE).
6. THERMOPLASTIC PAVEMENT MARKING – LINE 24" SOLID (WHITE).
7. THERMOPLASTIC PAVEMENT MARKING – LETTERS AND SYMBOLS (WHITE) 8' HEIGHT.
8. THERMOPLASTIC PAVEMENT MARKING – LINE 4" 10-30 SKIP DASH (YELLOW).
9. THERMOPLASTIC PAVEMENT MARKING – LINE 12" SOLID (YELLOW).

GENERAL NOTES:

ALL SIGNS SHALL BE INSTALLED ON A NEW TELESCOPING STEEL SIGN SUPPORT.



KEY MAP

MODEL: C:\3D\22\22-071 PH01\22-071 Design.dwg, MARK-THREE OAKS-3

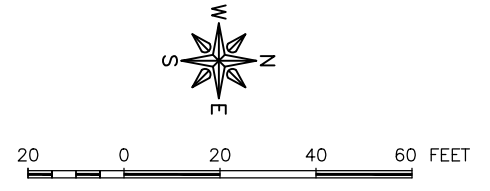
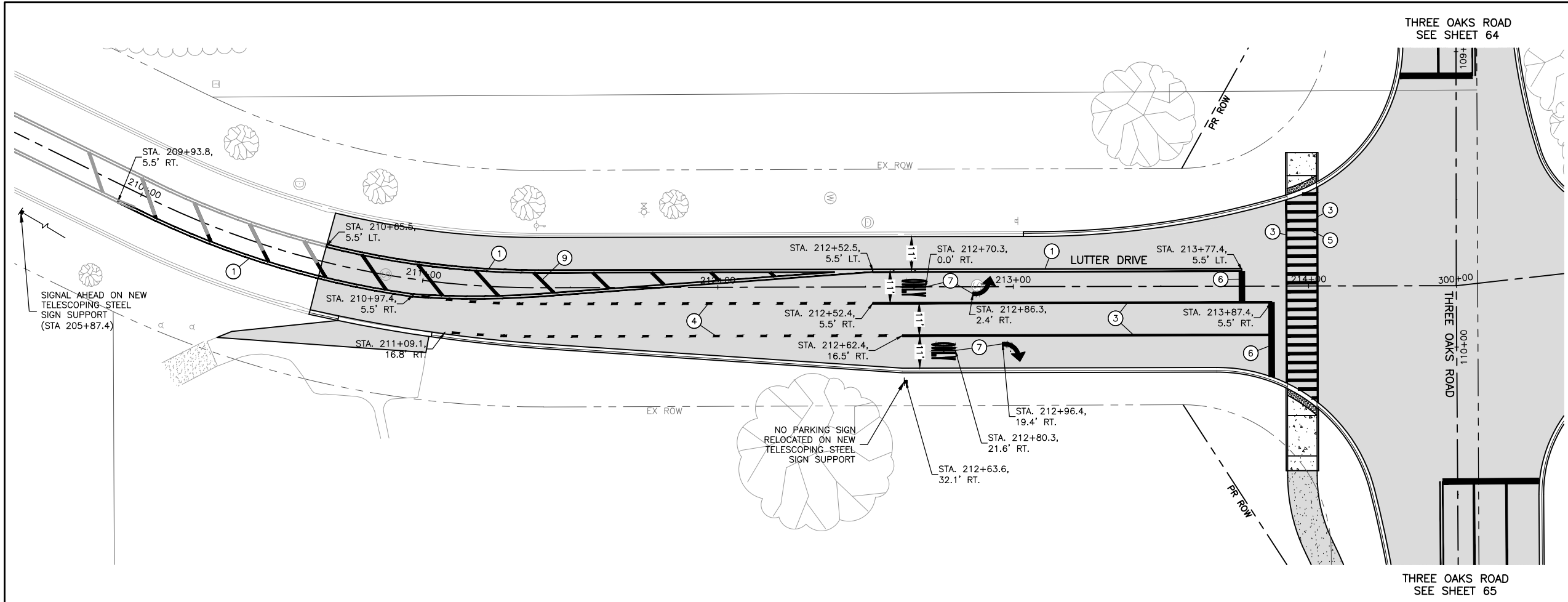


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PLOT SCALE = AS NOTED	DRAWN – BF/YJ	REVISED –
PLOT DATE = 2/15/24	CHECKED –	REVISED –
	DATE – 03/01/23	REVISED –

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

THREE OAKS ROAD - PAVEMENT MARKING AND SIGNING PLAN			
SCALE: AS NOTED	SHEET 66	OF 129 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	66
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				

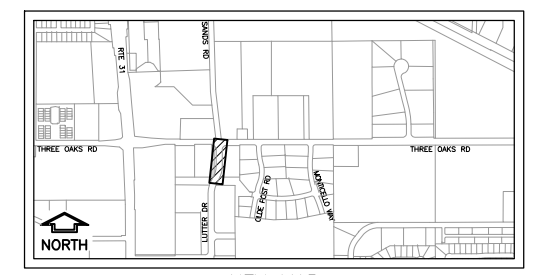


KEYNOTES

1. THERMOPLASTIC PAVEMENT MARKING – LINE 4" SOLID (DOUBLE YELLOW).
2. THERMOPLASTIC PAVEMENT MARKING – LINE 4" SOLID (YELLOW).
3. THERMOPLASTIC PAVEMENT MARKING – LINE 6" SOLID (WHITE).
4. THERMOPLASTIC PAVEMENT MARKING – LINE 6" 2-6 SKIP DASH (WHITE).
5. THERMOPLASTIC PAVEMENT MARKING – LINE 12" SOLID (WHITE).
6. THERMOPLASTIC PAVEMENT MARKING – LINE 24" SOLID (WHITE).
7. THERMOPLASTIC PAVEMENT MARKING – LETTERS AND SYMBOLS (WHITE) 8' HEIGHT.
8. THERMOPLASTIC PAVEMENT MARKING – LINE 4" 10-30 SKIP DASH (YELLOW).
9. THERMOPLASTIC PAVEMENT MARKING – LINE 12" SOLID (YELLOW).

GENERAL NOTES:

ALL SIGNS SHALL BE INSTALLED ON A NEW TELESCOPING STEEL SIGN SUPPORT.



KEY MAP

MODEL: FILE NAME: C:\3D\22-071 PH01\22-071 Design.dwg, MARK-Lutter

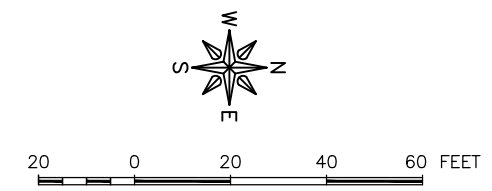
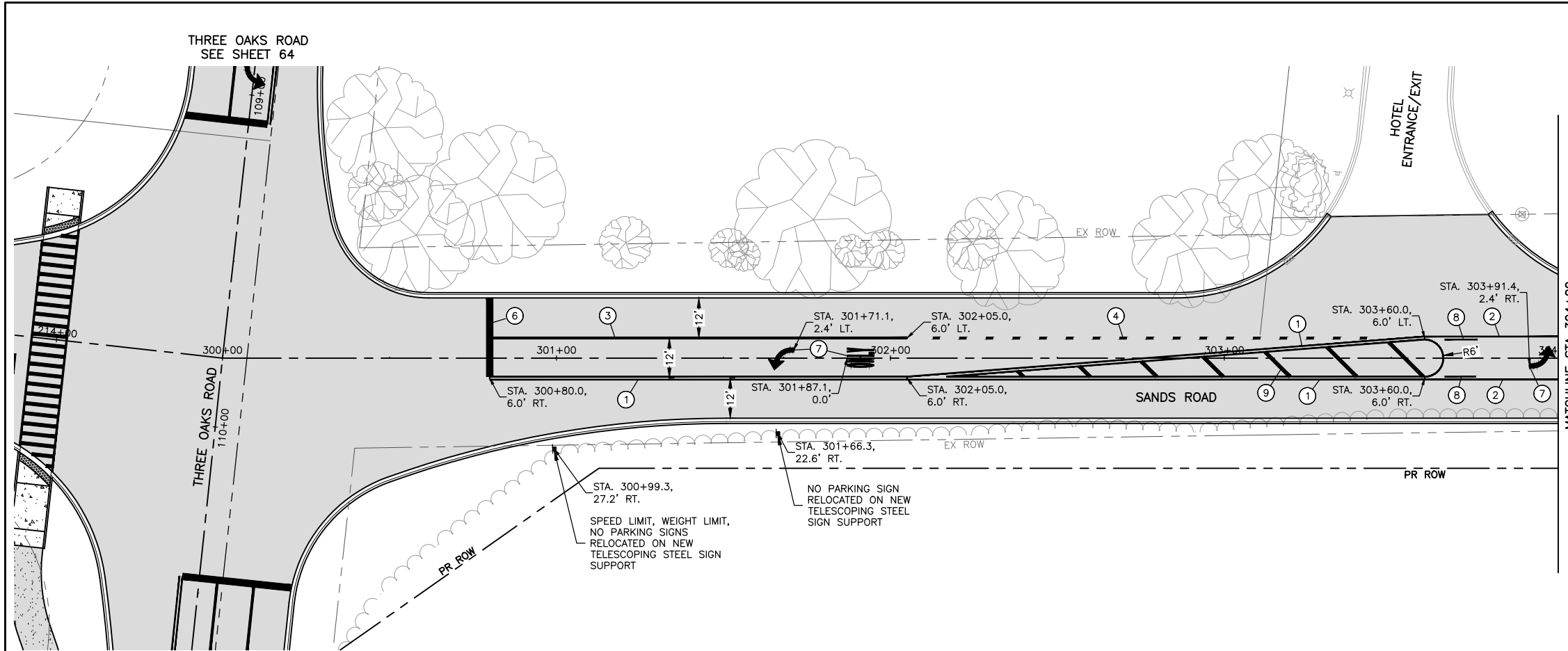


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PLOT DATE = 2/15/24	CHECKED –	REVISED –
	DATE – 03/01/23	REVISED –

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LUTTER DRIVE - PAVEMENT MARKING AND SIGNING PLAN			
SCALE: AS NOTED	SHEET 67	OF 129 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	67
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				

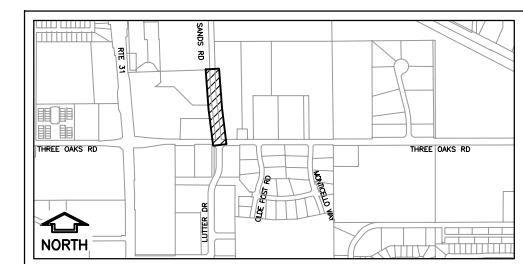
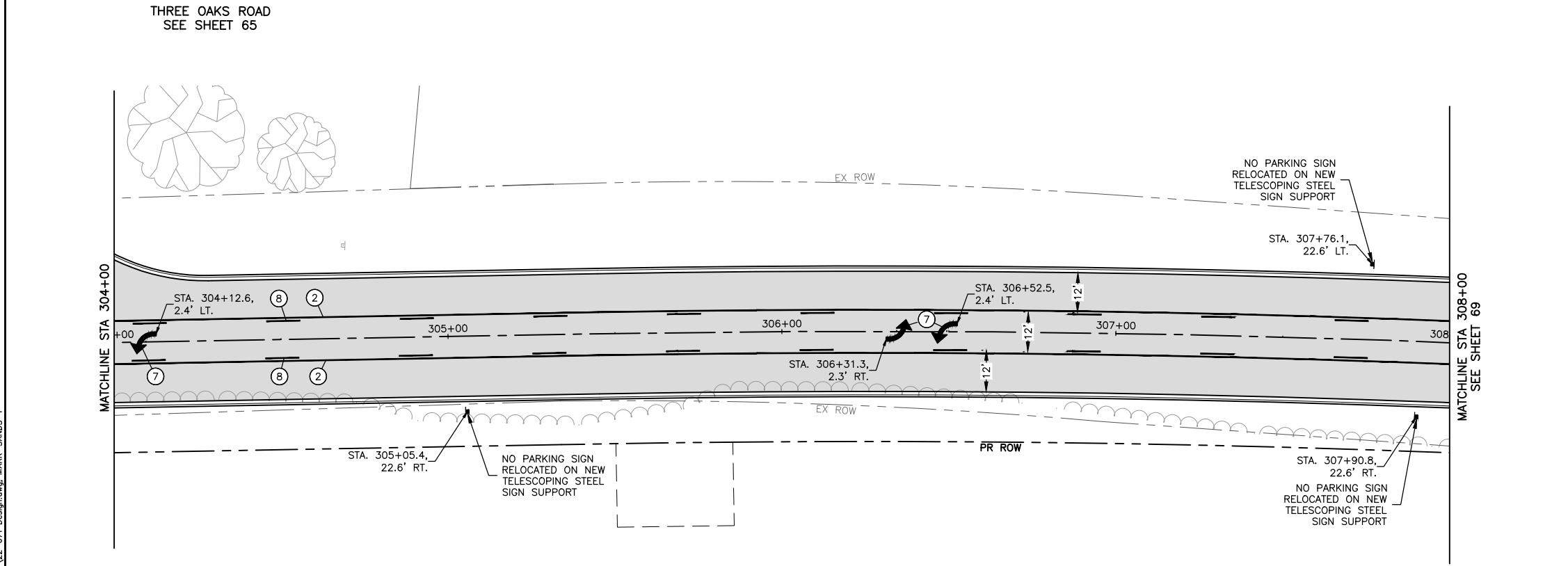


KEYNOTES

1. THERMOPLASTIC PAVEMENT MARKING – LINE 4" SOLID (DOUBLE YELLOW).
2. THERMOPLASTIC PAVEMENT MARKING – LINE 4" SOLID (YELLOW).
3. THERMOPLASTIC PAVEMENT MARKING – LINE 6" SOLID (WHITE).
4. THERMOPLASTIC PAVEMENT MARKING – LINE 6" 2-6 SKIP DASH (WHITE).
5. THERMOPLASTIC PAVEMENT MARKING – LINE 12" SOLID (WHITE).
6. THERMOPLASTIC PAVEMENT MARKING – LINE 24" SOLID (WHITE).
7. THERMOPLASTIC PAVEMENT MARKING – LETTERS AND SYMBOLS (WHITE) 8' HEIGHT.
8. THERMOPLASTIC PAVEMENT MARKING – LINE 4" 10-30 SKIP DASH (YELLOW).
9. THERMOPLASTIC PAVEMENT MARKING – LINE 12" SOLID (YELLOW).

GENERAL NOTES:

ALL SIGNS SHALL BE INSTALLED ON A NEW TELESCOPING STEEL SIGN SUPPORT.



KEY MAP

MODEL: C:\3D\22 22-071 PH01\22-071 Design.dwg, MARK-SANDS-1

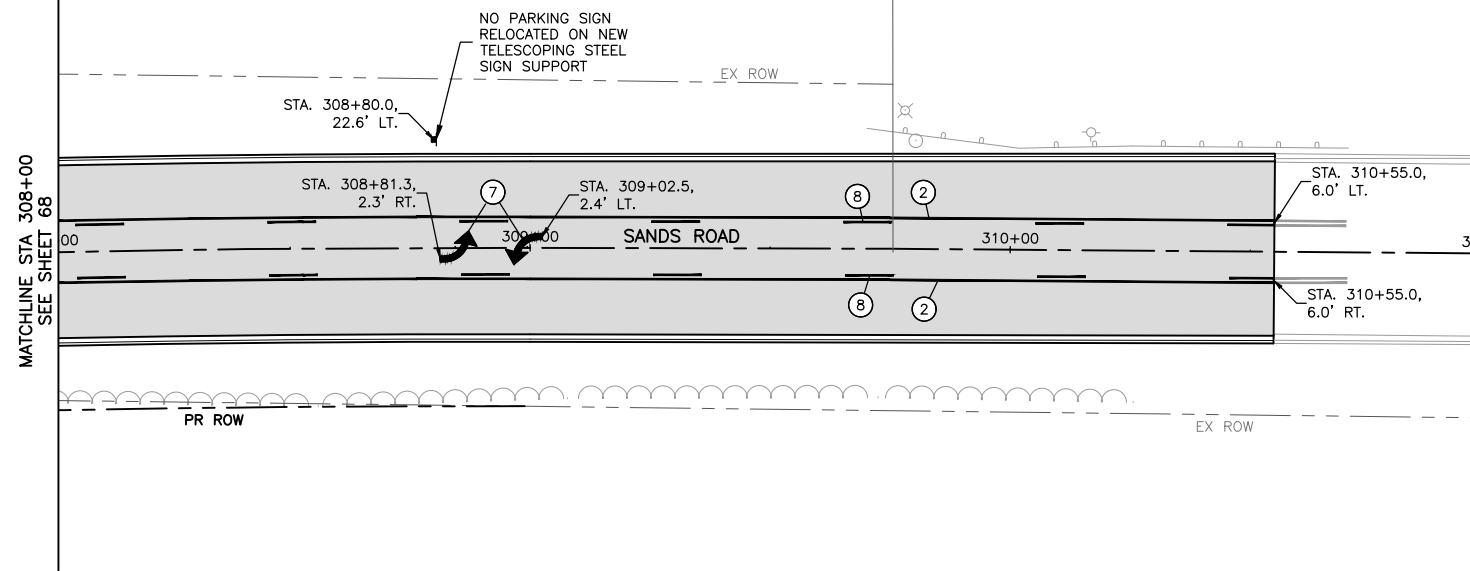
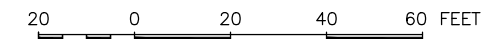


USER NAME = BF/YJ	DESIGNED – VL	REVISED –
PLOT SCALE = AS NOTED	DRAWN – BF/YJ	REVISED –
PLOT DATE = 2/15/24	CHECKED –	REVISED –
	DATE – 03/01/23	REVISED –

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SANDS ROAD - PAVEMENT MARKING AND SIGNING PLAN			
SCALE: AS NOTED	SHEET 68	OF 129 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	68
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				



KEYNOTES

1. THERMOPLASTIC PAVEMENT MARKING – LINE 4" SOLID (DOUBLE YELLOW).
2. THERMOPLASTIC PAVEMENT MARKING – LINE 4" SOLID (YELLOW).
3. THERMOPLASTIC PAVEMENT MARKING – LINE 6" SOLID (WHITE).
4. THERMOPLASTIC PAVEMENT MARKING – LINE 6" 2-6 SKIP DASH (WHITE).
5. THERMOPLASTIC PAVEMENT MARKING – LINE 12" SOLID (WHITE).
6. THERMOPLASTIC PAVEMENT MARKING – LINE 24" SOLID (WHITE).
7. THERMOPLASTIC PAVEMENT MARKING – LETTERS AND SYMBOLS (WHITE) 8' HEIGHT.
8. THERMOPLASTIC PAVEMENT MARKING – LINE 4" 10-30 SKIP DASH (YELLOW).
9. THERMOPLASTIC PAVEMENT MARKING – LINE 12" SOLID (YELLOW).

GENERAL NOTES:

ALL SIGNS SHALL BE INSTALLED ON A NEW TELESCOPING STEEL SIGN SUPPORT.



KEY MAP

MODEL: C:\3D\22\22-071 PH01\22-071 Design.dwg, MARK-SANDS-2



USER NAME = BF/YJ	DESIGNED – VL	REVISED –
PLOT SCALE = AS NOTED	DRAWN – BF/YJ	REVISED –
PLOT DATE = 2/15/24	CHECKED –	REVISED –
	DATE – 03/01/23	REVISED –

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

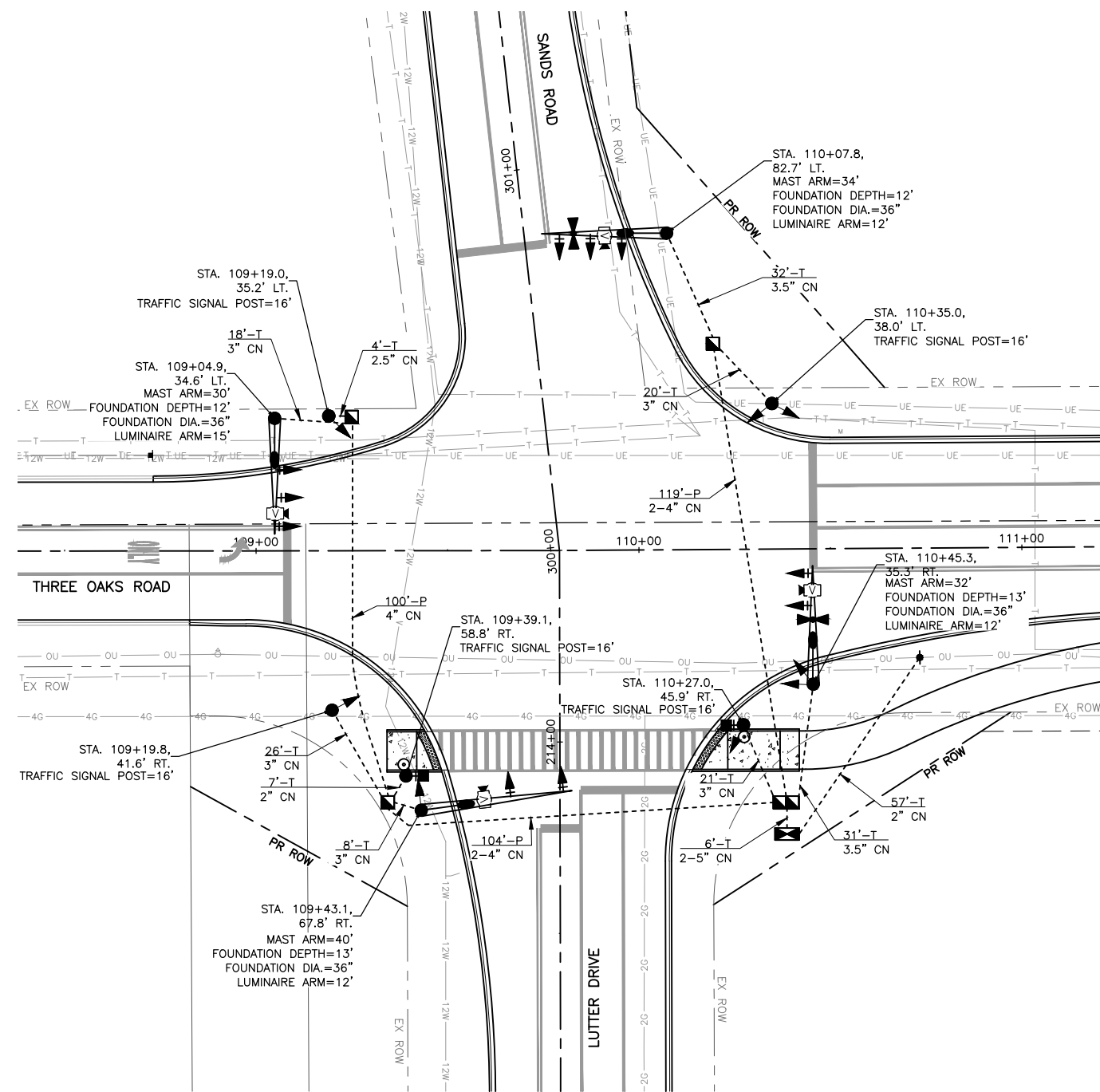
**SANDS ROAD - PAVEMENT MARKING AND
SIGNING PLAN**

SCALE: AS NOTED SHEET 69 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	69
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				

LEGEND

		ECONOLITE COBALT (GRAPHICS EDITION) TRAFFIC ACTUATED SOLID STATE CONTROLLER
		STEEL MAST ARM ASSEMBLY AND POLE
		SIGNAL HEAD AND POST
		SIGNAL HEAD
		SIGNAL HEAD WITH BACKPLATE
		PEDESTRIAN HEAD
		PEDESTRIAN PUSH-BUTTON
		HANDHOLE
		DOUBLE HANDHOLE
		LUMINAIRE
		VIDEO DETECTION CAMERA
		DUAL EMERGENCY VEHICLE SIGNAL CONTROL SYSTEM WITH DUAL CONFIRMATION BEACON
		CONDUIT (LENGTH AND SIZE) COILABLE, NON-METALLIC (CN), UPPER NUMERAL INDICATES LENGTH "T" INDICATES CONDUIT IN TRENCH "P" INDICATES CONDUIT PUSHED LOWER NUMERAL INDICATES SIZE AND CONDUIT TYPE



TRAFFIC SIGNAL GENERAL NOTES

THE EXACT LOCATION OF THE TRAFFIC SIGNAL EQUIPMENT IS SUBJECT TO CHANGE IN THE FIELD. THE ENGINEER AND MUNICIPALITY SHALL BE NOTIFIED AND APPROVE OF ANY CHANGES.

ALL SIGNAL CABLE SHALL BE MARKED WITH ELECTRIC TAPE FOR IDENTIFICATION PURPOSES. THIS IDENTIFICATION SHALL BE DONE AT THE CONTROLLER AND IN THE SIGNAL HEAD.

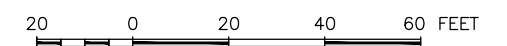
CONTRACTOR MUST SUBMIT SHOP DRAWINGS FOR TRAFFIC SIGNAL POSTS CONSISTENT WITH I.D.O.T. PRE-APPROVED DESIGNS. THE LOADING ON THE SHOP DRAWINGS MUST MEET OR EXCEED THAT SHOWN ON THE PLANS.

CONTRACTOR SHALL CONTACT COMED AND COORDINATE THE SERVICE CONNECTION AND LOCATION WITH COMED.

ALL PEDESTRIAN SIGNALS SHALL BE APS.

CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED ON EACH APPROACH TO THIS INTERSECTION TWO WEEKS PRIOR TO ACTIVATING THE SIGNAL AND SHALL REMAIN FOR TWO WEEKS AFTER SIGNAL ACTIVATION.

W3-3 SIGNAL AHEAD WARNING SIGNS WITH 18"x18" ORANGE FLAG MOUNTED ON THE TRAFFIC SIDE OF THE SIGN PANEL SHALL BE INSTALLED ON EACH LEG OF THE INTERSECTION. THE FLAG AND THE ATTACHMENT SHALL NOT OBSCURE THE FACE OF THE SIGN. THE SIGNS SHALL BE INSTALLED 800' AHEAD OF THE INTERSECTION AND INSTALLED ON TELESCOPING STEEL SIGNS SUPPORTS.



MODEL: FILE NAME: C:\3D\22\22-071 PH01\22-071 Design.dwg, Signal Plan



USER NAME = BF/YJ	DESIGNED -- VL	REVISED --
PLOT SCALE = AS NOTED	DRAWN -- BF/YJ	REVISED --
PLOT DATE = 2/15/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGNAL PLAN

SCALE: AS NOTED SHEET 70 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	70
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				

PHASE LEGEND

- ⑧ — VEHICULAR MOVEMENT
- Ⓟ — PEDESTRIAN MOVEMENT
- Ⓟ — PHASE 6 + PHASE 7
- Ⓧ — PHASE 1 + PHASE 7

GENERAL NOTES

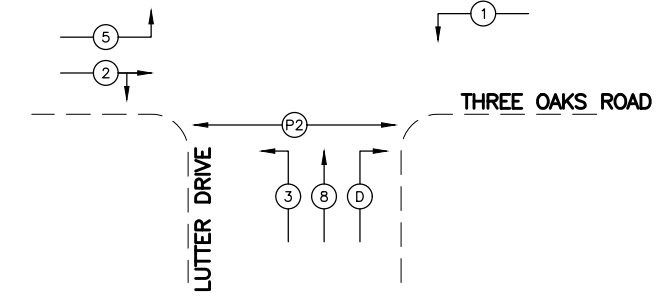
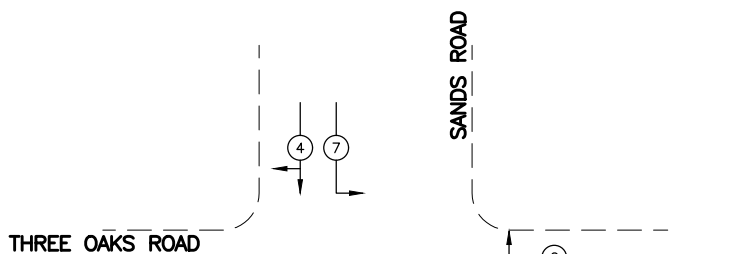
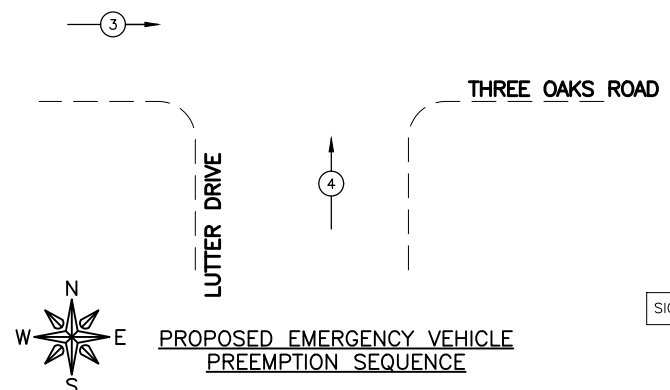
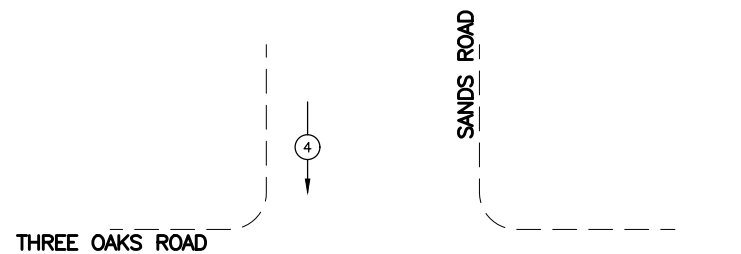
NUMBER REFERS TO ASSOCIATED PHASE.
 STATE STANDARD 857001-01 STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES.

LEGEND

- ⊠ — PROPOSED CONTROLLER
- — SERVICE INSTALLATION
- ⋯ — DETECTOR LOOP
- ⊕ — LUMINAIRE
- ① — INDICATES NUMBER OF NEW CONDUCTORS, ALL CABLE IS NO. 14 AWG EXCEPT AS INDICATED. "PR" OR "PAIR" INDICATES PAIR CABLE. ALL DETECTOR LOOP CABLE SHALL BE SHIELDED.
- ⊠ — NEW 12" SIGNAL HEAD WITH BACKPLATE (BACKPLATE FOR MAST ARM MOUNTS ONLY)
- Ⓧ — GREEN GROUND WIRE TO SIGNAL POSTS—NO. 6.1C
- ⊠ — DUAL EMERGENCY VEHICLE SIGNAL CONTROL SYSTEM WITH DUAL CONFIRMATION BEACON
- Ⓧ — VIDEO DETECTION CAMERA
- Ⓧ — PEDESTRIAN SIGNAL HEAD
- Ⓧ — PEDESTRIAN PUSH BUTTON WITH APS
- Ⓧ — LIGHTING CABLE 600V (XLP-TYPE USE) -1/C NO.10
- Ⓧ — GROUND ROD AT ELECTRIC SERVICE INSTALLATION
- Ⓧ — GROUND ROD AT MAST ARM POLE
- Ⓧ — GROUND ROD AT HANDHOLE OR DOUBLE HANDHOLE
- Ⓧ — GROUND ROD AT CONTROLLER
- Ⓧ — GROUND ROD AT TRAFFIC SIGN POST OR PEDESTRIAN PUSH BUTTON POST

GENERAL NOTES

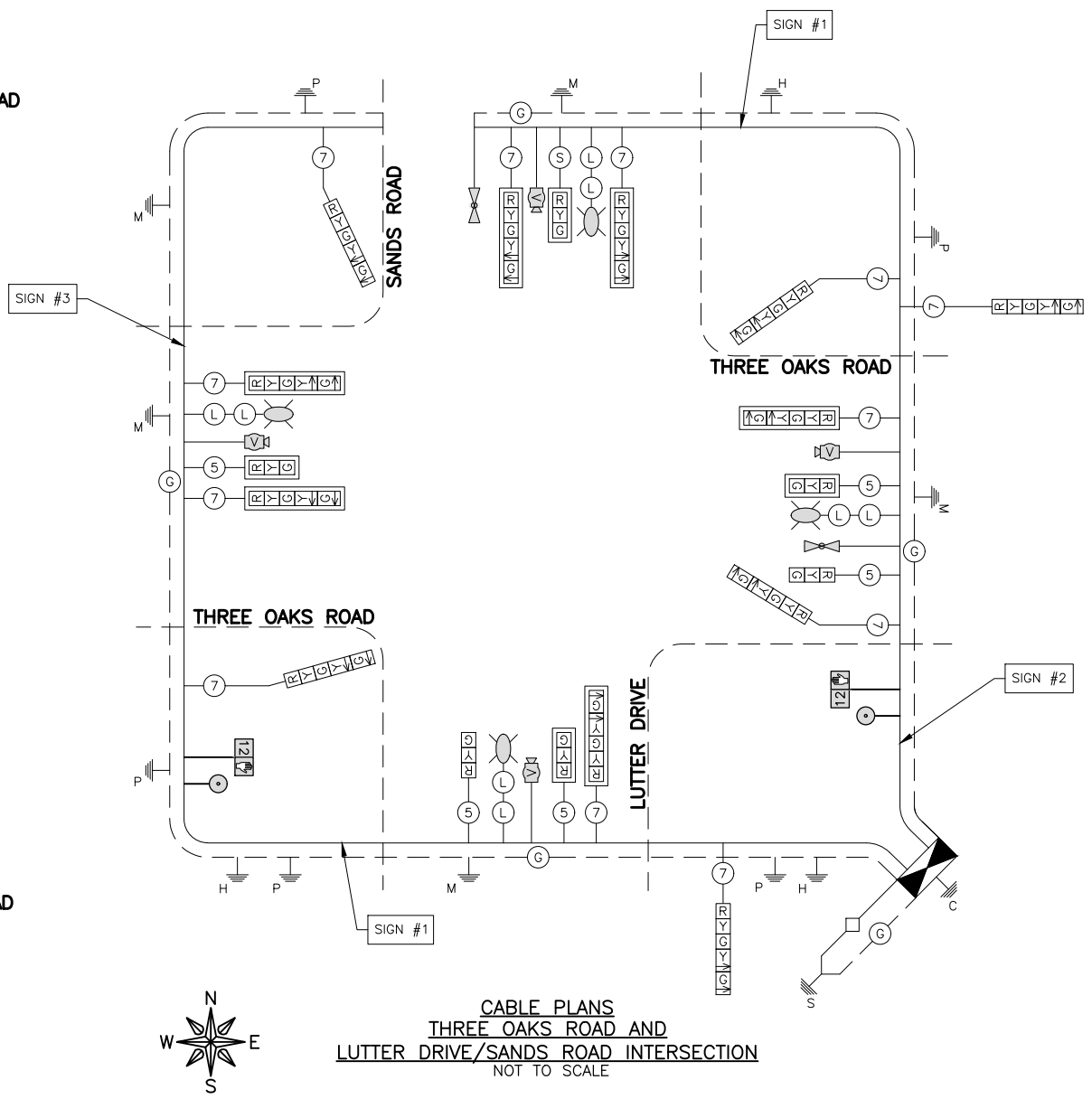
- 1) VIDEO DETECTION CABLE SHALL BE A CAT5E
- 2) TRACER WIRE SHALL BE INSTALLED IN ALL CONDUIT AND SHALL BE NO. 14 AWG, 1C



RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
C	= 6 +	7
D	= 8 +	1

PHASE DESIGNATION DIAGRAM
 THREE OAKS ROAD AND
 LUTTER DRIVE/SANDS ROAD INTERSECTION
 NOT TO SCALE



CABLE PLANS
 THREE OAKS ROAD AND
 LUTTER DRIVE/SANDS ROAD INTERSECTION
 NOT TO SCALE

MODEL: FILE NAME: C:\3D\22-02-071 PH01\22-02-071 Design.dwg, Cable Plan



USER NAME =BF/YJ	DESIGNED — VL	REVISED —
PLOT SCALE = AS NOTED	DRAWN — BF/YJ	REVISED —
PLOT DATE = 2/15/24	CHECKED —	REVISED —
	DATE — 03/01/23	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN			
SCALE: AS NOTED	SHEET 71	OF 129 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	71
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				



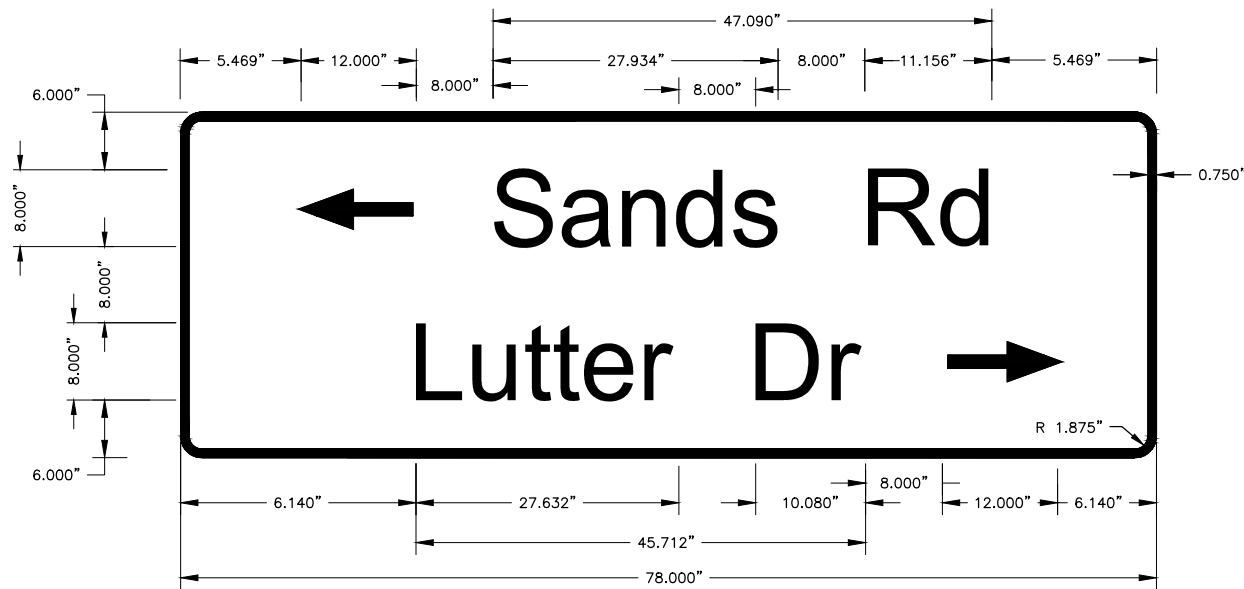
	T	h	r	e	e		O	a	k	s	R	d		
7.012	5.202	6.242	4.002	5.522	5.522	8.000	6.484	5.682	6.082	4.082	8.000	5.864	5.292	7.012

SIGN - #1 DETAIL - STREET SIGN #1
N.T.S

1.875" Radius, 0.750" Border, White on Green;
[Three Oaks Rd] SERIES D 2000
Table of widths and spaces.

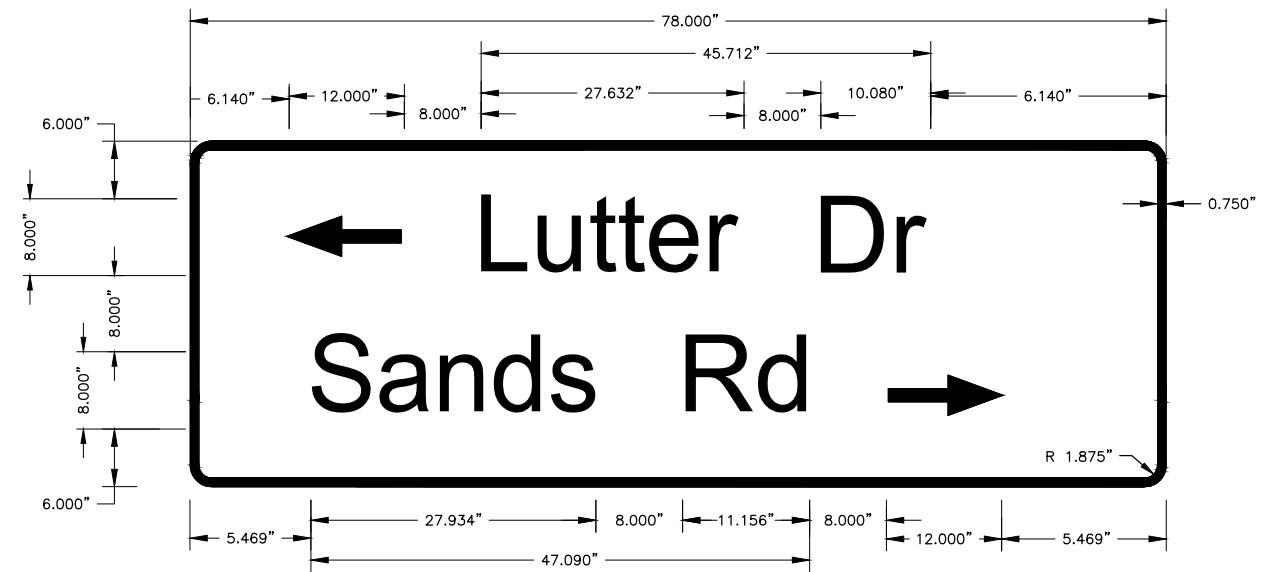
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5.469	12.000	8.000	5.846	5.682	6.242	6.082	4.082	8.000	5.846	5.282	5.469	
			L	u	t	t	e	r		D	r	→
6.140	5.202	6.242	3.362	3.362	5.522	3.942	8.000	6.246	3.842	8.000	12.000	6.140

	←		L	u	t	t	e	r		D	r	
6.140	12.000	8.000	5.202	6.242	3.362	3.362	5.522	3.942	8.000	6.246	3.842	6.140
			S	a	n	d	s		R	d		→
5.469	5.846	5.682	6.242	6.082	4.082	8.000	5.846	5.282	8.000	12.000	5.469	



SIGN - #2 DETAIL - STREET SIGN #2
N.T.S

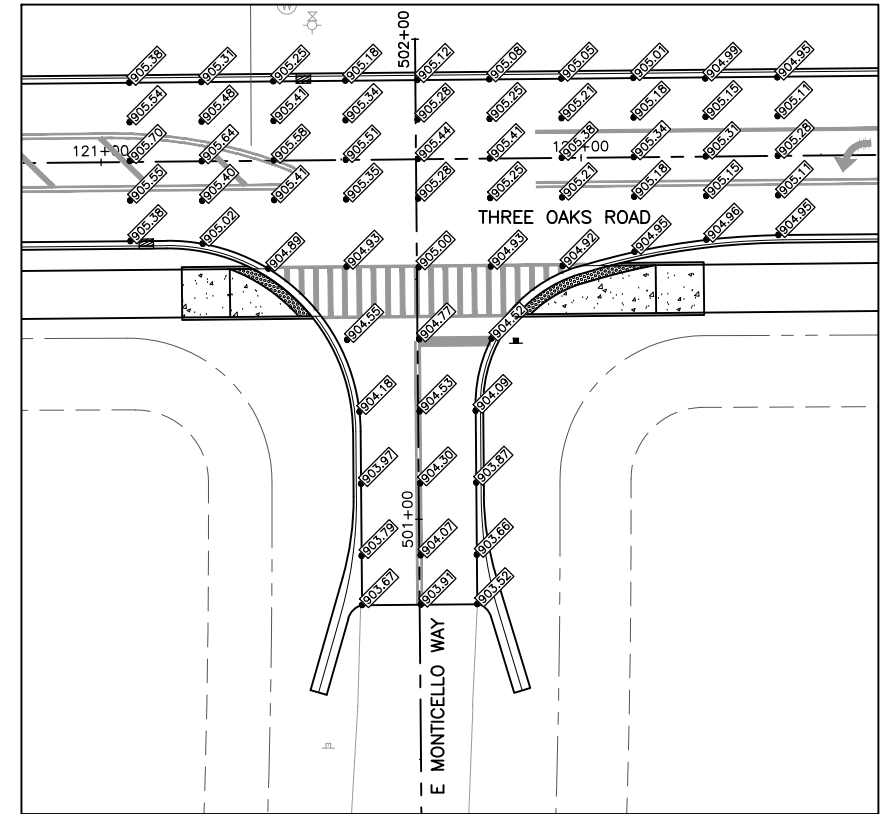
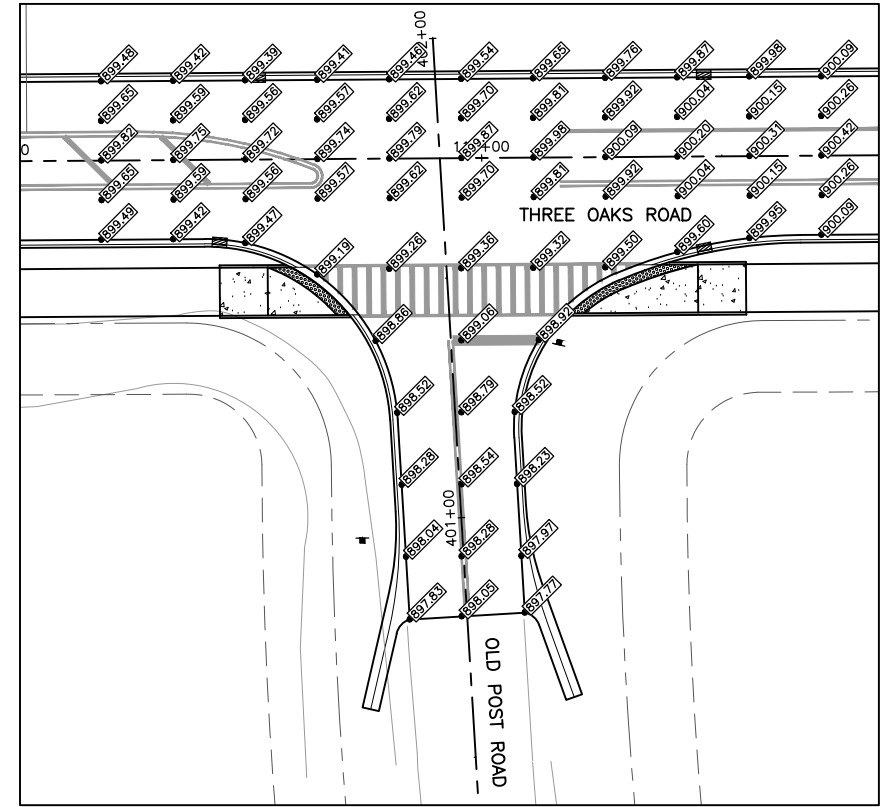
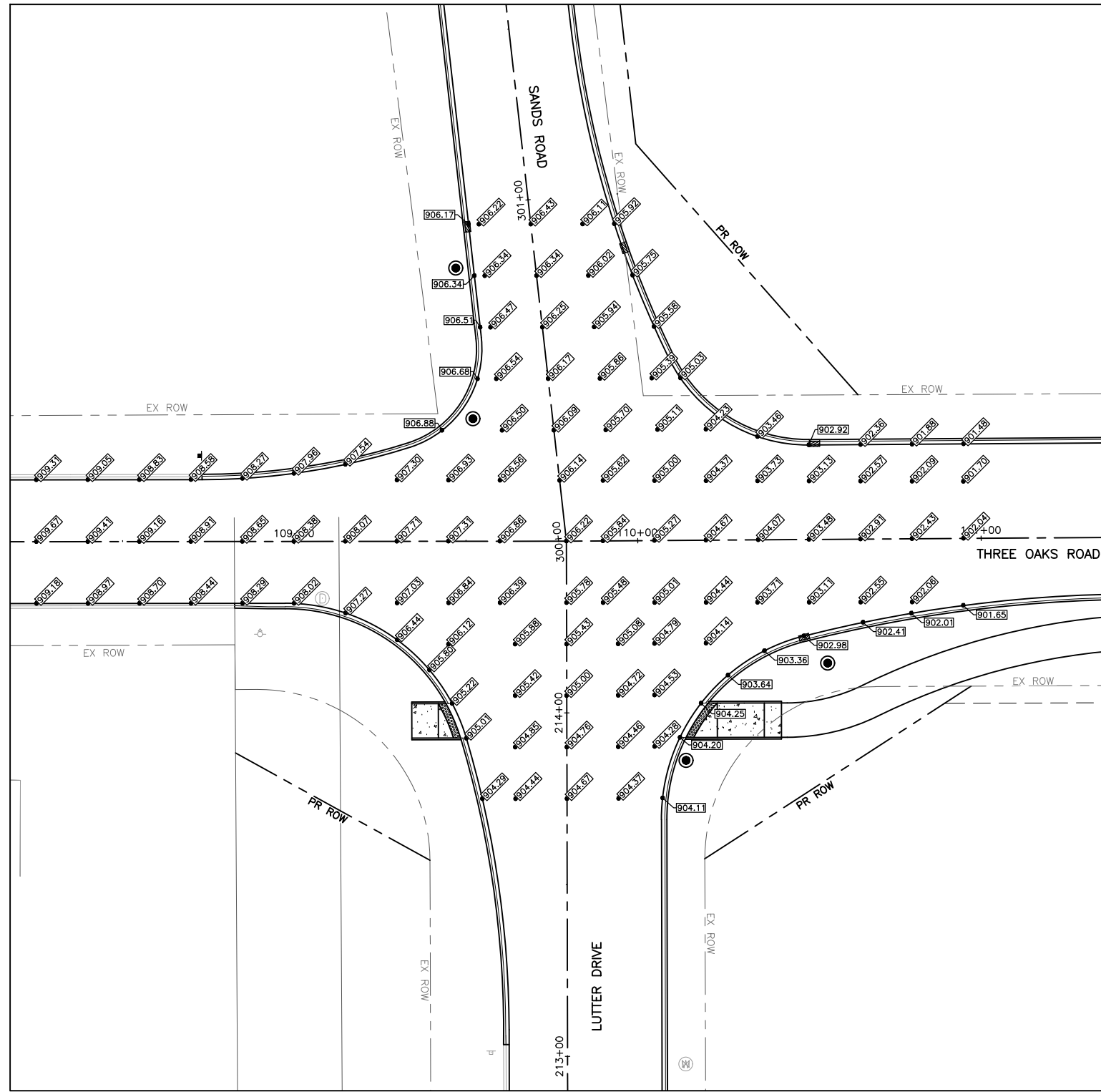
1.875" Radius, 0.750" Border, White on Green;
[Lutter Dr] SERIES D 2000
Table of widths and spaces.



SIGN - #3 DETAIL - STREET SIGN #3
N.T.S

1.875" Radius, 0.750" Border, White on Green;
[Lutter Dr] SERIES D 2000
Table of widths and spaces.

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MODEL: FILE NAME: C:\3D\22\22-071 PH01\22-071 Design.dwg, Int. Grading



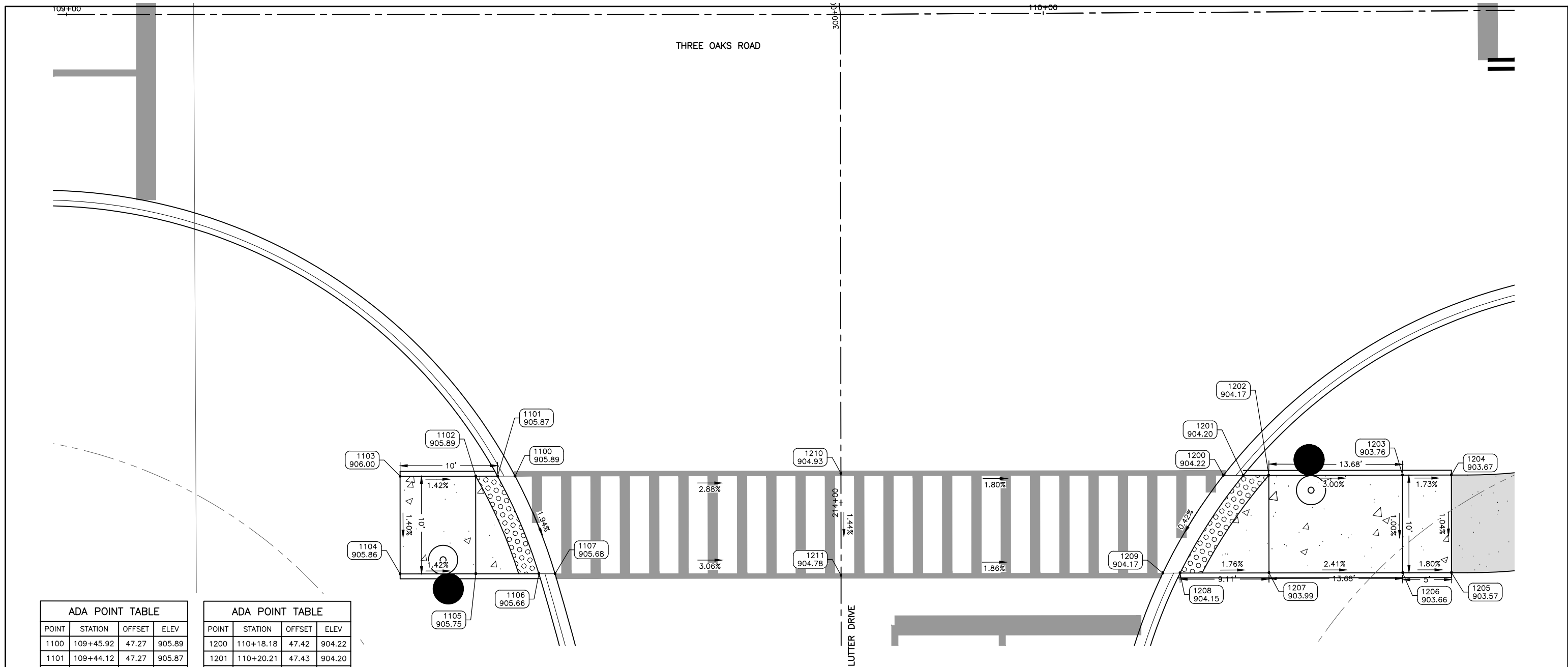
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PLOT SCALE = AS NOTED	DRAWN -- BF/YJ	REVISED --
PLOT DATE = 2/15/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INTERSECTION GRADING PLAN

SCALE: AS NOTED SHEET 73 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	73
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				



ADA POINT TABLE			
POINT	STATION	OFFSET	ELEV
1100	109+45.92	47.27	905.89
1101	109+44.12	47.27	905.87
1102	109+41.88	47.27	905.89
1103	109+34.14	47.28	906.00
1104	109+34.15	57.28	905.86
1105	109+41.89	57.27	905.75
1106	109+48.36	57.27	905.66
1107	109+50.01	57.26	905.68

ADA POINT TABLE			
POINT	STATION	OFFSET	ELEV
1200	110+18.18	47.42	904.22
1201	110+20.21	47.43	904.20
1202	110+22.83	47.44	904.17
1203	110+36.51	47.50	903.76
1204	110+41.51	47.53	903.67
1205	110+41.47	57.53	903.57
1206	110+36.47	57.50	903.66
1207	110+22.78	57.44	903.99
1208	110+13.68	57.39	904.15
1209	110+11.91	57.39	904.17
1210	109+79.23	46.98	904.93
1211	109+79.23	57.43	904.78

MODEL: FILE NAME: C:\3D\22-071-071-ADA RAMPS.dwg, LUTTER-ADA

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL
ILLINOIS DESIGN FIRM NO. 184-003025
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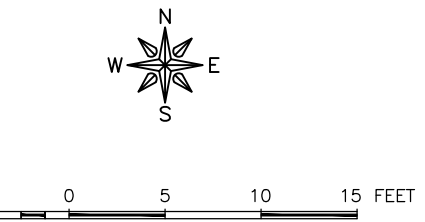
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PLOT SCALE = AS NOTED
PLOT DATE = 2/15/24

DESIGNED -- VL
DRAWN -- BF/YJ
CHECKED --
DATE -- 03/01/23

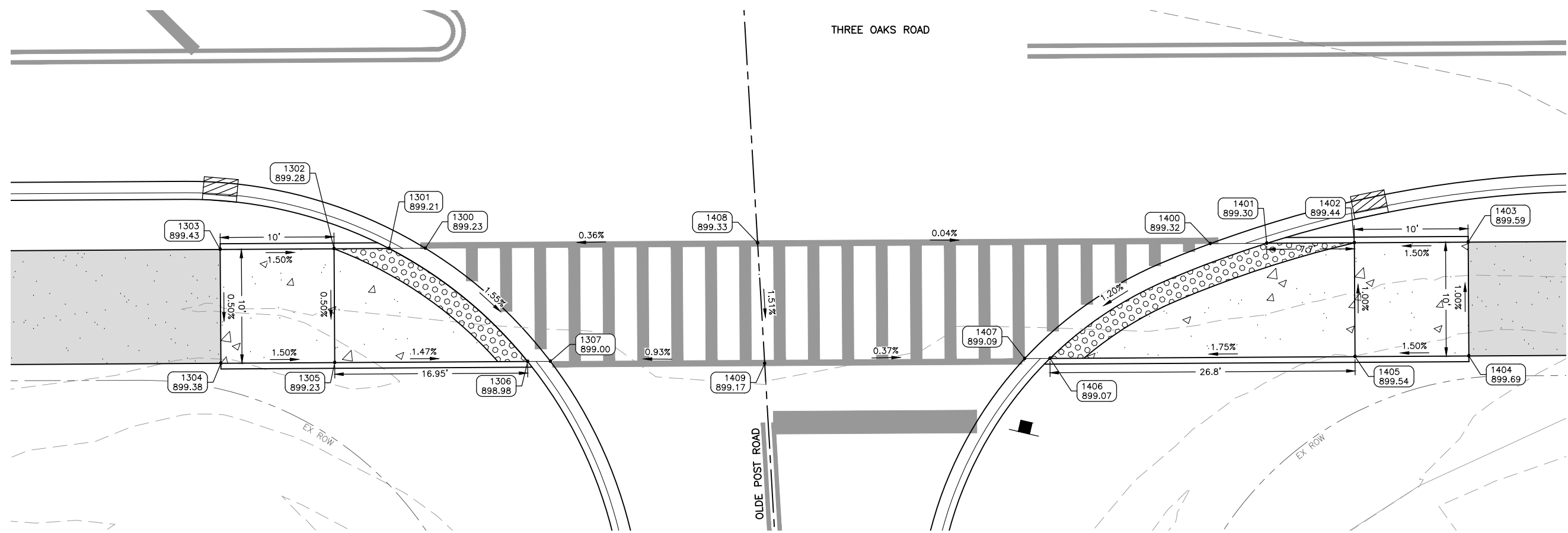
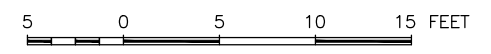
REVISED --
REVISED --
REVISED --
REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ADA RAMPS - LUTTER DRIVE
SCALE: AS NOTED SHEET 74 OF 129 SHEETS STA. TO STA.



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	74
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				



ADA POINT TABLE			
POINT	STATION	OFFSET	ELEV
1300	114+63.29	22.50	899.23
1301	114+60.10	22.50	899.21
1302	114+55.26	22.50	899.28
1303	114+45.26	22.50	899.43
1304	114+45.26	32.50	899.38
1305	114+55.26	32.50	899.23
1306	114+72.21	32.50	898.98
1307	114+74.21	32.50	899.00

ADA POINT TABLE			
POINT	STATION	OFFSET	ELEV
1400	115+32.23	22.50	899.32
1401	115+37.20	22.50	899.30
1402	115+44.90	22.50	899.44
1403	115+54.90	22.50	899.59
1404	115+54.90	32.50	899.69
1405	115+44.90	32.50	899.54
1406	115+18.10	32.50	899.07
1407	115+15.88	32.50	899.09
1408	114+92.48	22.21	899.33
1409	114+93.04	32.80	899.17

MODEL: C:\3D\22-071 PH01\22-071 - ADA RAMPS.dwg, OLDE POST-ADA



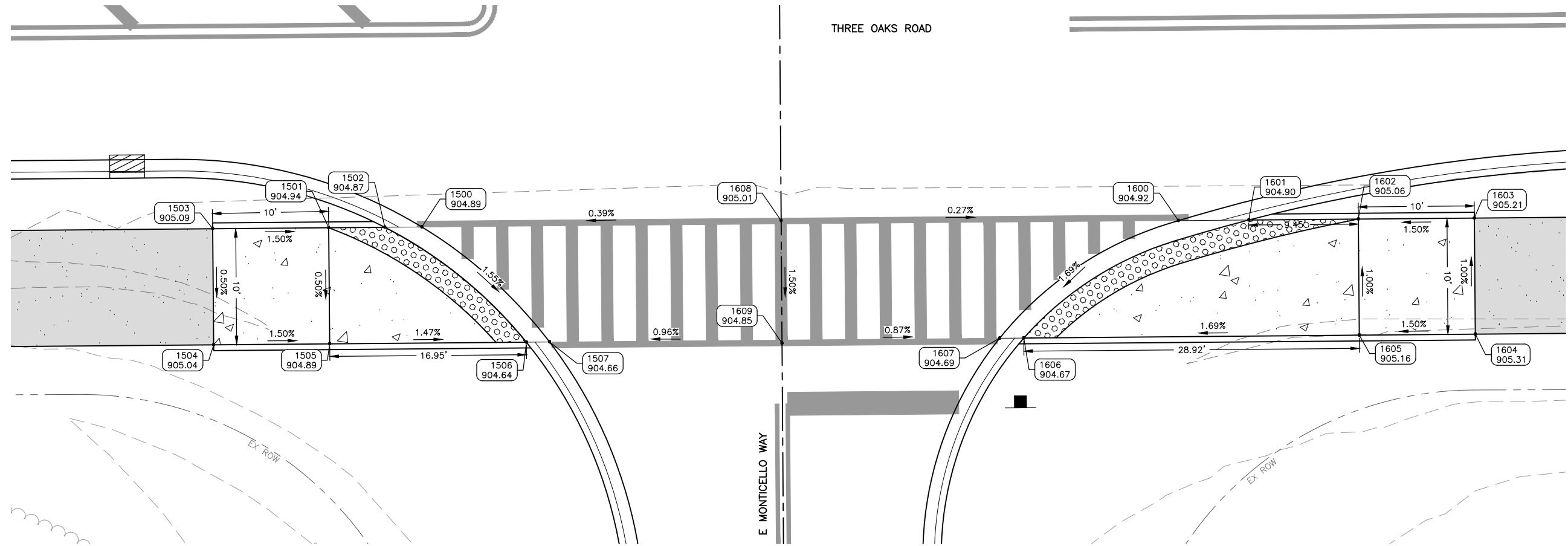
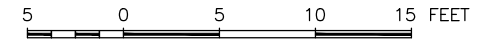
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PLOT SCALE = AS NOTED	DRAWN -- BF/YJ	REVISED --
PLOT DATE = 2/15/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ADA RAMPS - OLDE POST ROAD

SCALE: AS NOTED SHEET 75 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	75
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				



ADA POINT TABLE			
POINT	STATION	OFFSET	ELEV
1500	121+34.60	22.50	904.89
1501	121+26.58	22.50	904.94
1502	121+31.42	22.50	904.87
1503	121+16.58	22.50	905.09
1504	121+16.58	32.50	905.04
1505	121+26.58	32.50	904.89
1506	121+43.53	32.50	904.64
1507	121+45.53	32.50	904.66

ADA POINT TABLE			
POINT	STATION	OFFSET	ELEV
1600	121+99.82	22.50	904.92
1601	122+05.88	22.50	904.90
1602	122+15.32	22.50	905.06
1603	122+25.32	22.50	905.21
1604	122+25.32	32.50	905.31
1605	122+15.32	32.50	905.16
1606	121+86.41	32.50	904.67
1607	121+84.32	32.50	904.69
1608	121+65.58	22.21	905.01
1609	121+65.56	32.77	904.85

MODEL: FILE NAME: C:\3D\22\22-071 PH01\22-071 - ADA RAMPS.dwg, MONTICELLO-ADA



USER NAME = BF/YJ	DESIGNED -- VL	REVISED --
PLOT SCALE = AS NOTED	DRAWN -- BF/YJ	REVISED --
PLOT DATE = 2/15/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

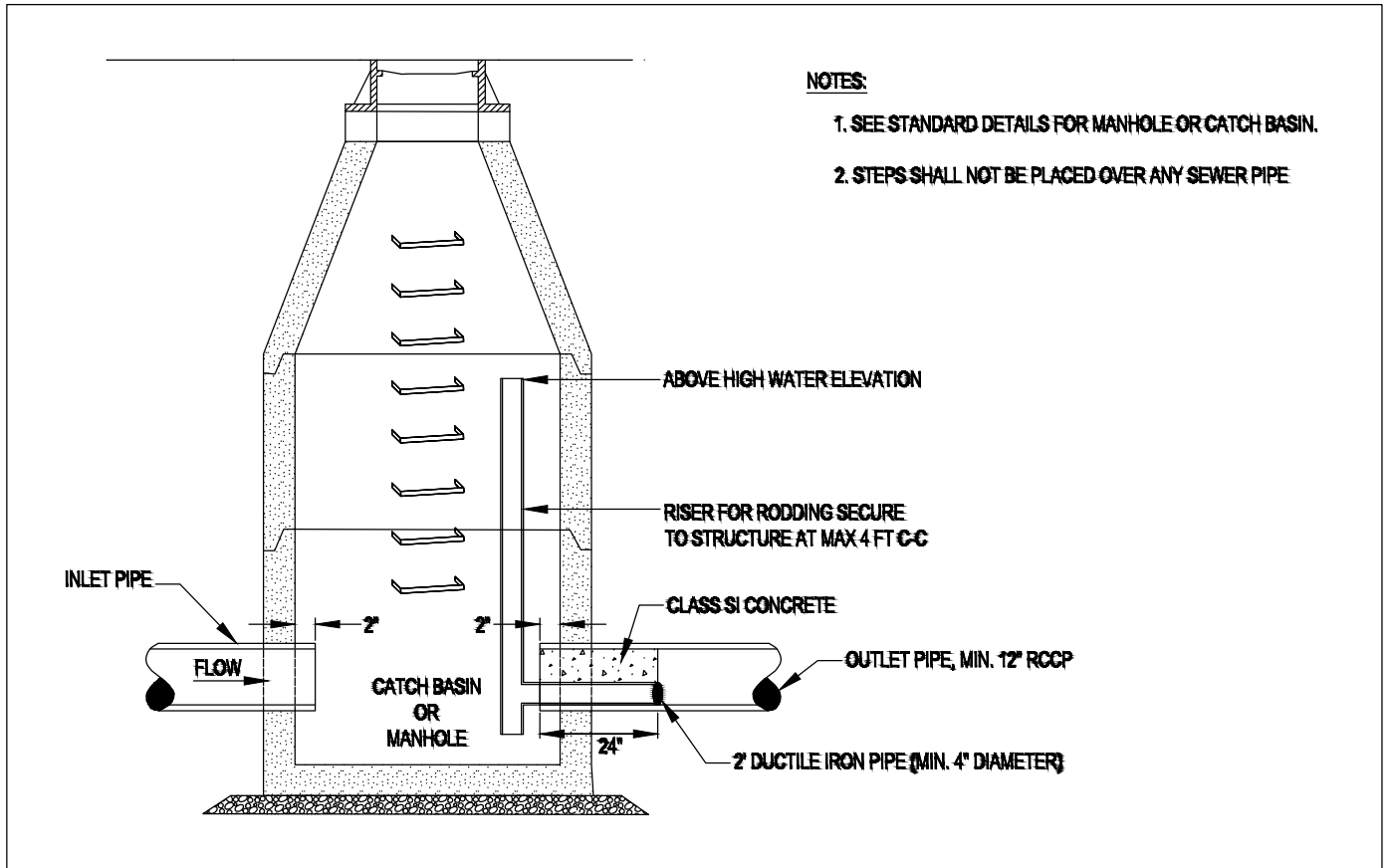
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ADA RAMPS - MONTICELLO WAY

SCALE: AS NOTED SHEET 76 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	76
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				

UD-02a



NOTES:

1. SEE STANDARD DETAILS FOR MANHOLE OR CATCH BASIN.
2. STEPS SHALL NOT BE PLACED OVER ANY SEWER PIPE

Revised:
1. 06/12/2015
2.
3.
4.

Drawing Name
RESTRICTOR

Drawing Number
UD-02c

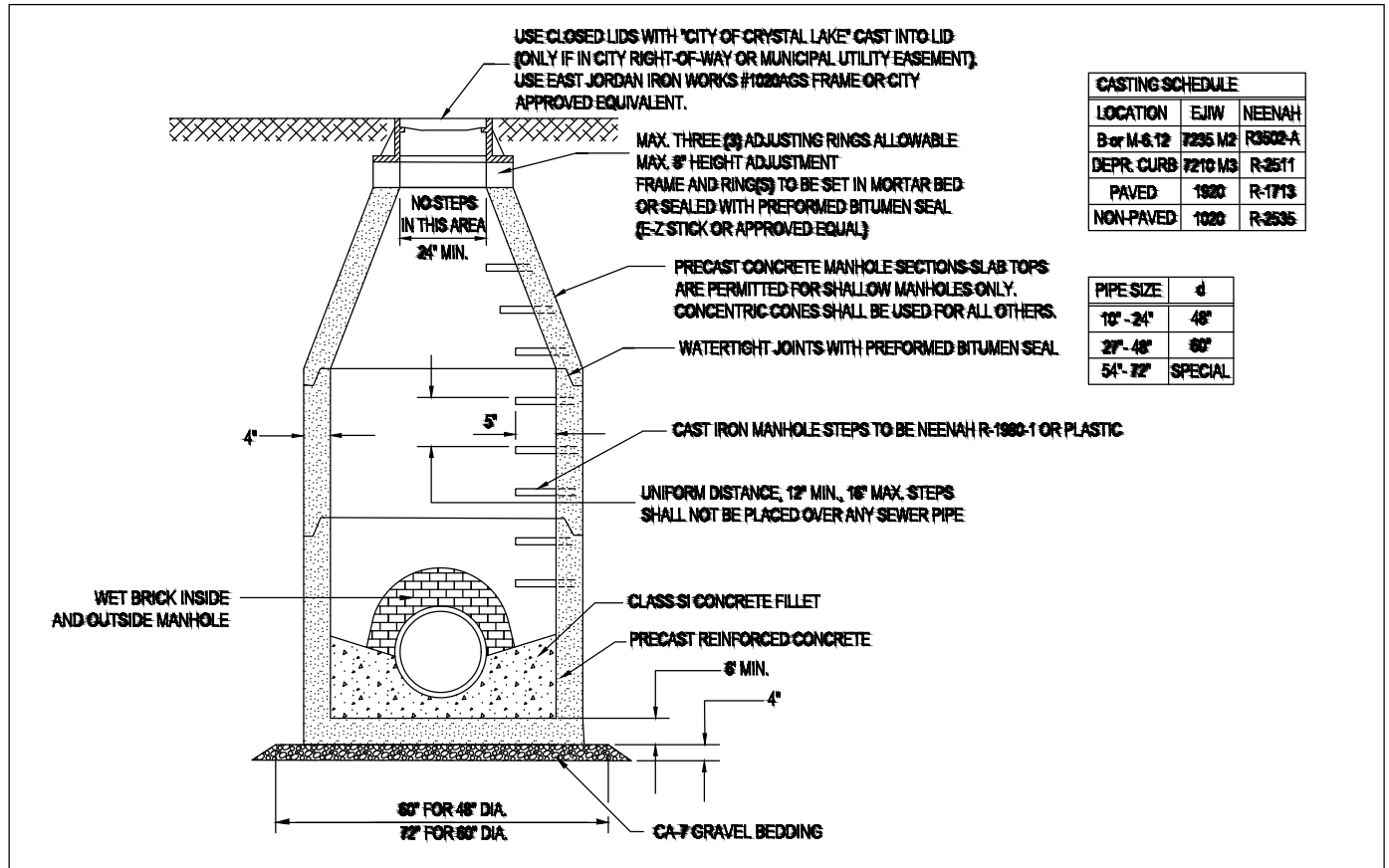
Date: 06/01/15

Drawn: JH
Checked: AW



1-SERVICES AND BUILDINGS DEPARTMENT AND STANDARDS

UD-01



USE CLOSED LIDS WITH 'CITY OF CRYSTAL LAKE' CAST INTO LID (ONLY IF IN CITY RIGHT-OF-WAY OR MUNICIPAL UTILITY EASEMENT); USE EAST JORDAN IRON WORKS #1020AGS FRAME OR CITY APPROVED EQUIVALENT.

CASTING SCHEDULE		
LOCATION	EJW	NEENAH
Bar M-6-12	R296 M2	R3502-A
DEPR. CURB	R210 M3	R-2511
PAVED	1920	R-1713
NON-PAVED	1020	R-2535

PIPE SIZE	d
18" - 24"	48"
30" - 48"	60"
54" - 72"	SPECIAL

Revised:
1. 06/12/2015
2.
3.
4.

Drawing Name
STORM MANHOLE TYPE A

Drawing Number
UD-01d

Date: 05/19/2015

Drawn: JH
Checked: AW



1-SERVICES AND BUILDINGS DEPARTMENT AND STANDARDS

MODEL: FILE NAME: C:\3D\22-071 PH01\Plans\22-071 Plans.dwg, DET-A



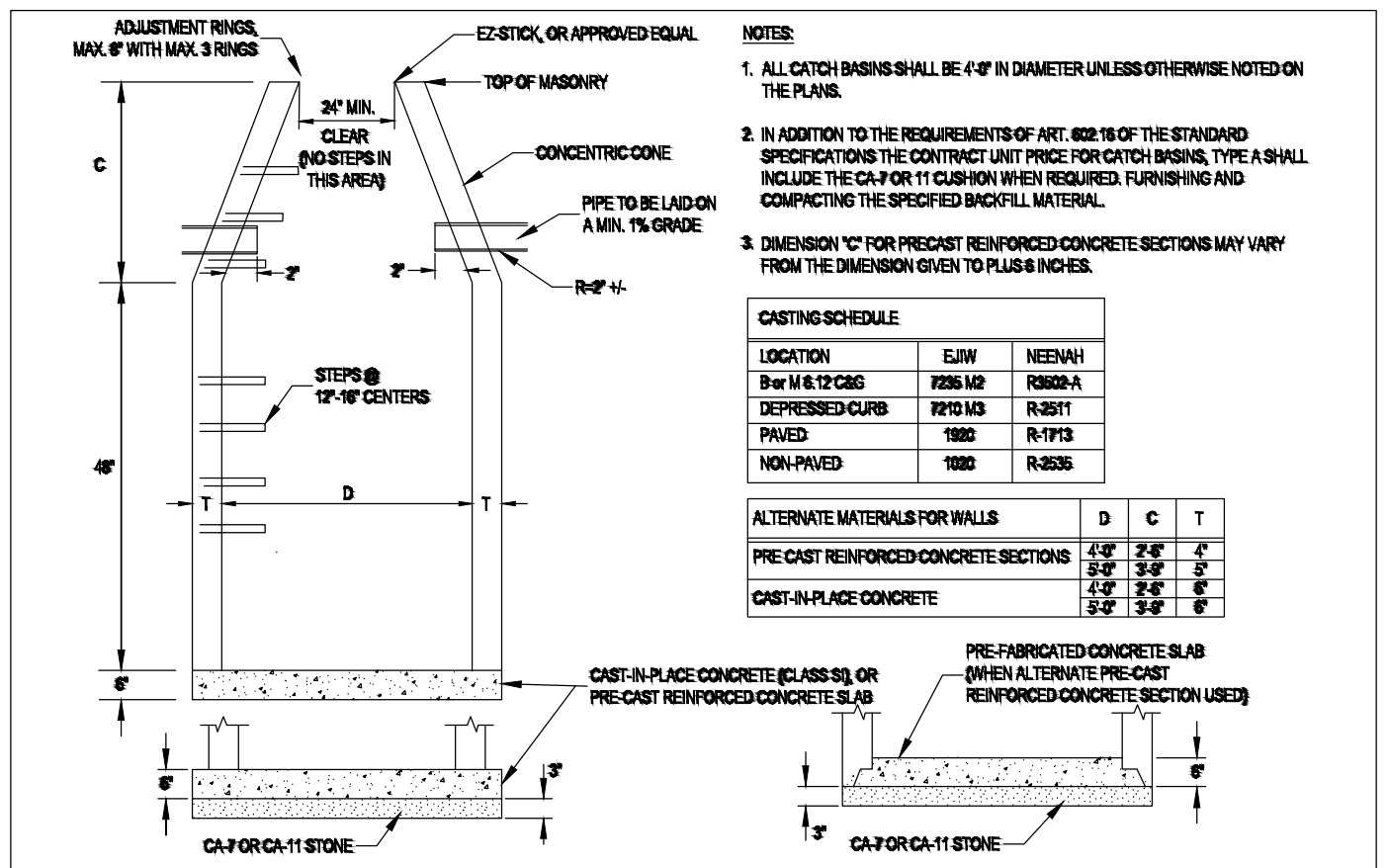
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PLOT SCALE = AS NOTED	DRAWN -- BF/YJ	REVISED --
PLOT DATE = 2/15/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS			
SCALE: AS NOTED	SHEET 77	OF 129 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	77
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				

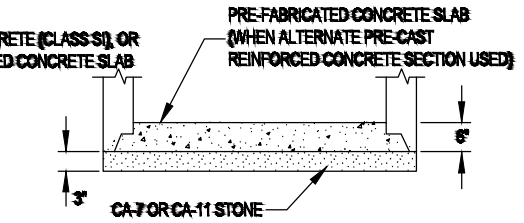
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- NOTES:**
1. ALL CATCH BASINS SHALL BE 4'-0" IN DIAMETER UNLESS OTHERWISE NOTED ON THE PLANS.
 2. IN ADDITION TO THE REQUIREMENTS OF ART. 802.16 OF THE STANDARD SPECIFICATIONS THE CONTRACT UNIT PRICE FOR CATCH BASINS, TYPE A SHALL INCLUDE THE CA-7 OR T1 CUSHION WHEN REQUIRED. FURNISHING AND COMPACTING THE SPECIFIED BACKFILL MATERIAL.
 3. DIMENSION "C" FOR PRECAST REINFORCED-CONCRETE SECTIONS MAY VARY FROM THE DIMENSION GIVEN TO PLUS-6 INCHES.

CASTING SCHEDULE			
LOCATION	EJW	NEENAH	
B or M 6.12 C&G	7235 M2	R3602-A	
DEPRESSED CURB	7210 M3	R-2511	
PAVED	1920	R-1713	
NON-PAVED	1920	R-2535	

ALTERNATE MATERIALS FOR WALLS	D	C	T
PRE-CAST REINFORCED-CONCRETE SECTIONS	4'-0"	2'-6"	4'
	5'-0"	3'-0"	5'
CAST-IN-PLACE CONCRETE	4'-0"	2'-6"	6'
	5'-0"	3'-0"	6'



Revised:
1. 06/12/2015
2.
3.
4.

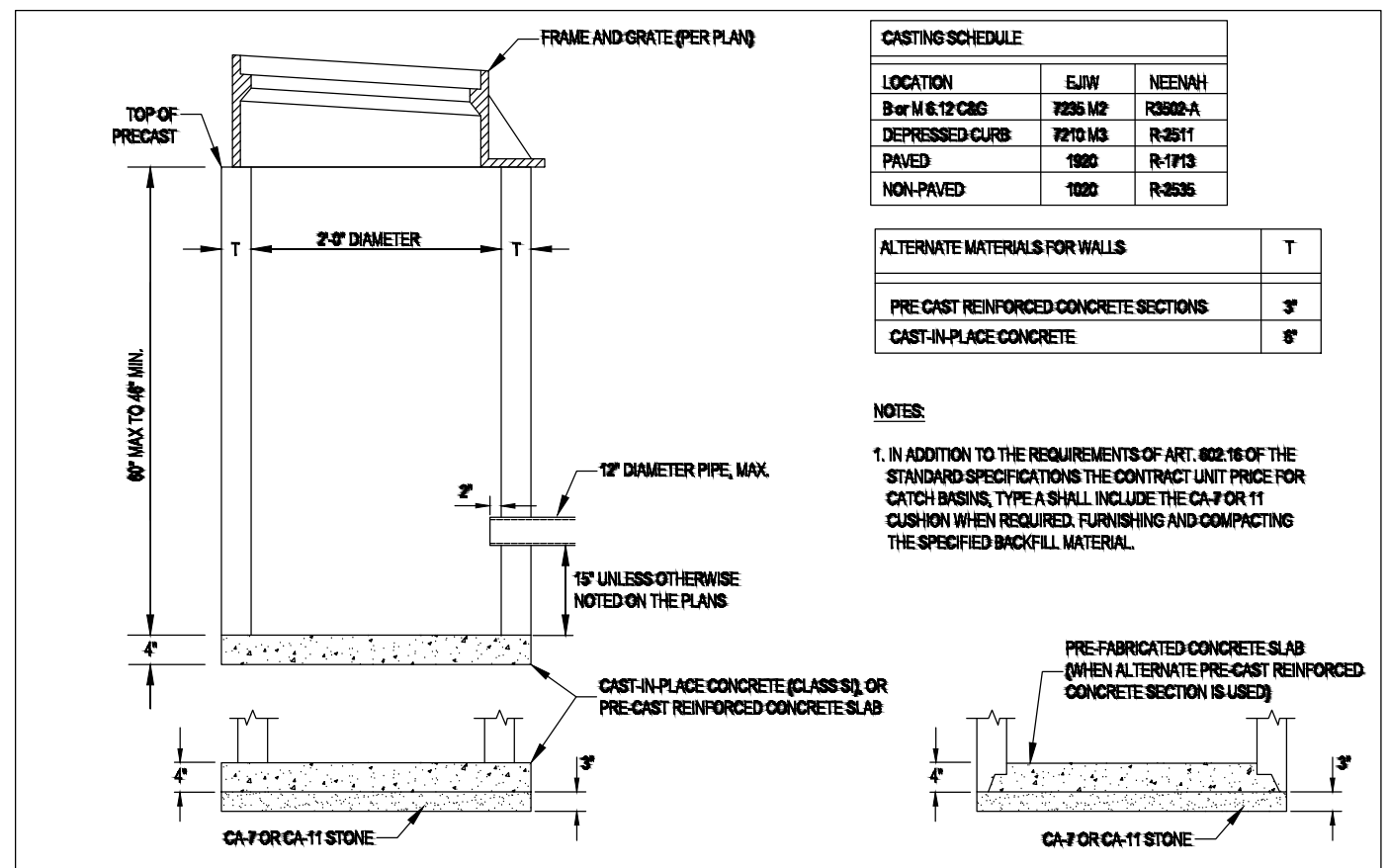
Drawing Name
CATCH BASIN TYPE A

Drawing Number
UD-01b

Date: 08/18/2012

Drawn: DD
Checked: AW

UD-01b



CASTING SCHEDULE			
LOCATION	EJW	NEENAH	
B or M 6.12 C&G	7235 M2	R3602-A	
DEPRESSED CURB	7210 M3	R-2511	
PAVED	1920	R-1713	
NON-PAVED	1920	R-2535	

ALTERNATE MATERIALS FOR WALLS	T
PRE-CAST REINFORCED-CONCRETE SECTIONS	3'
CAST-IN-PLACE CONCRETE	6'

- NOTES:**
1. IN ADDITION TO THE REQUIREMENTS OF ART. 802.16 OF THE STANDARD SPECIFICATIONS THE CONTRACT UNIT PRICE FOR CATCH BASINS, TYPE A SHALL INCLUDE THE CA-7 OR T1 CUSHION WHEN REQUIRED. FURNISHING AND COMPACTING THE SPECIFIED BACKFILL MATERIAL.

Revised:
1. 06/12/2015
2.
3.
4.

Drawing Name
CATCH BASIN TYPE C

Drawing Number
UD-01c

Date: 05/19/2015

Drawn: JH
Checked: AW

UD-01c

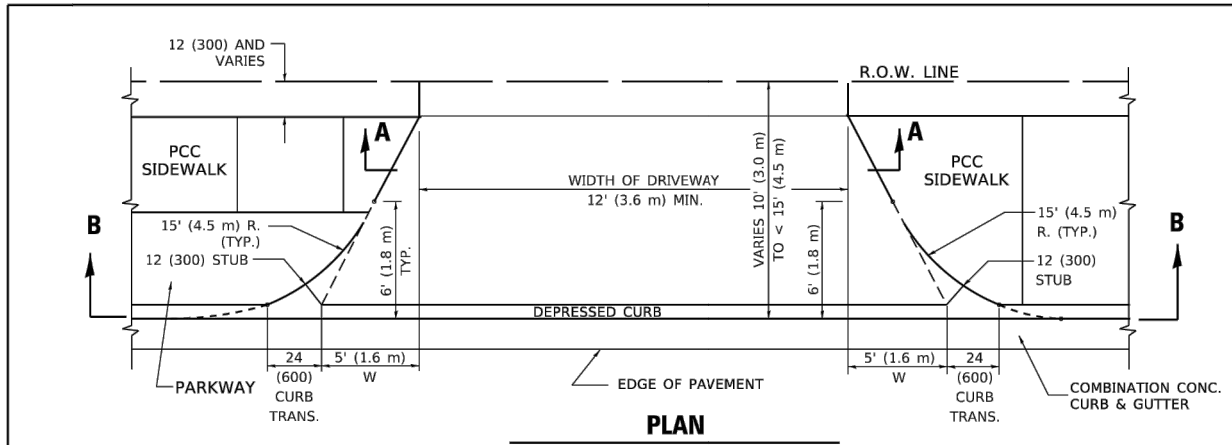


USER NAME = BF/YJ	DESIGNED -- VL	REVISED --
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PLOT DATE = 2/15/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

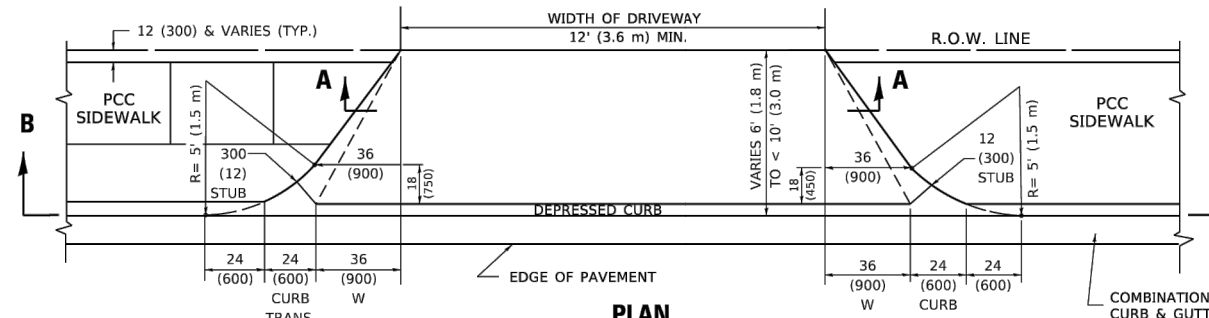
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: AS NOTED				SHEET 78 OF 129 SHEETS STA. TO STA.			
DETAILS							

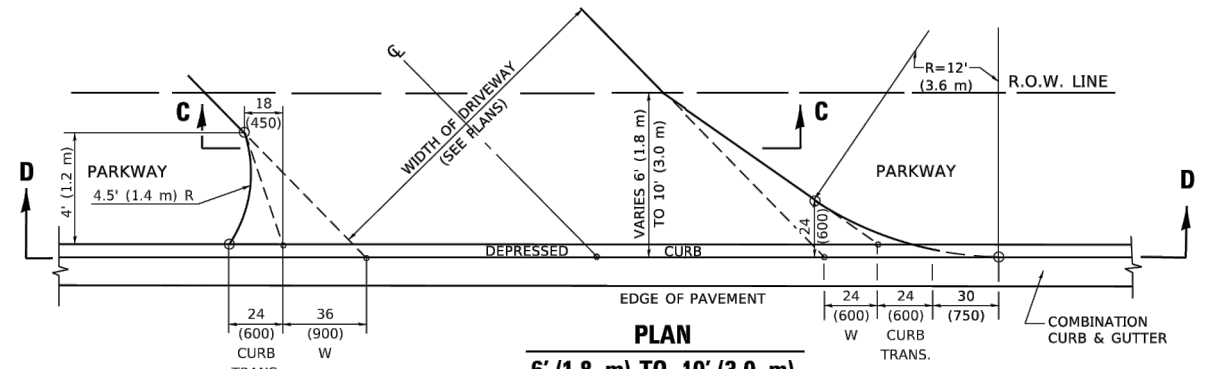
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	78
				CONTRACT NO 61K35
ILLINOIS FED. AID PROJECT				



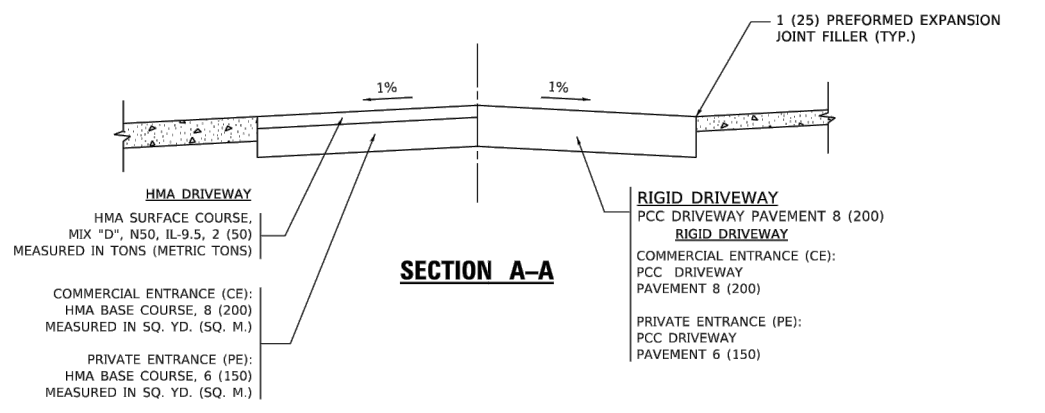
PLAN
10' (3.0 m) TO < 15' (4.5 m)



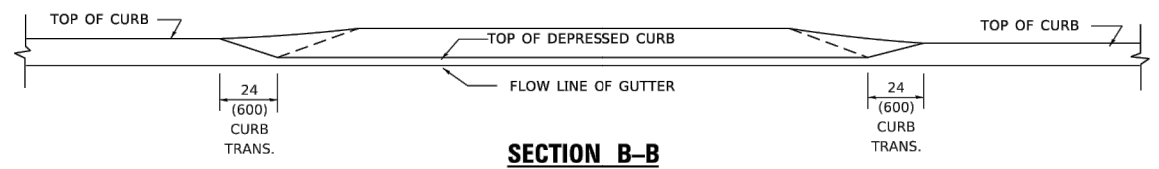
PLAN
6' (1.8 m) TO < 10' (3.0 m)



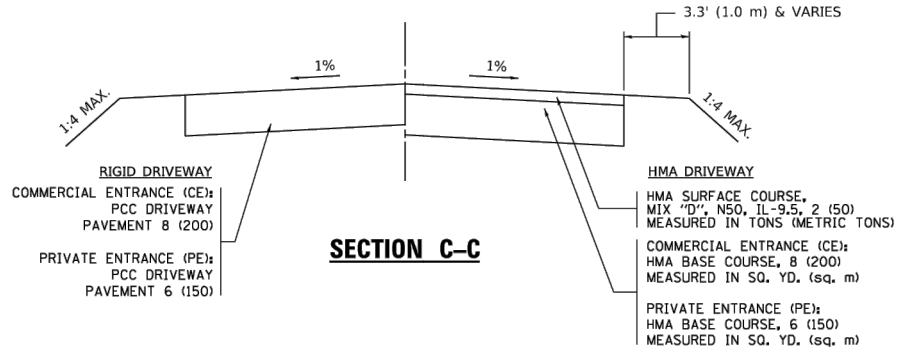
PLAN
6' (1.8 m) TO 10' (3.0 m)



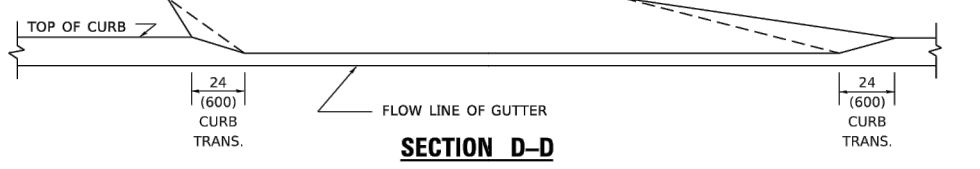
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

1. DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.
2. WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE PCC SIDEWALK SHALL EXTEND TO THE BACK OF CURB.
3. "W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

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USER NAME = Lawrence.DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07
PLOT SCALE = 100.0000' / in.	DRAWN - BF/YJ	REVISED - R. BORO 09-06-11
PLOT DATE = 11/18/2022	CHECKED -	REVISED - K. SMITH 08-27-19
	DATE - 11-06-95	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5m)

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	79
CONTRACT NO. 61K35			ILLINOIS FED. AID PROJECT	

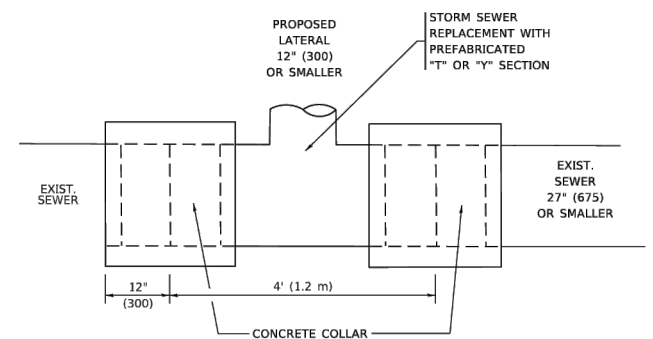
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ENGINEERING & ENVIRONMENTAL
ILLINOIS DESIGN FIRM NO. 144-03395
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USER NAME = BF/YJ	DESIGNED - VL	REVISED -
PLOT SCALE = AS NOTED	DRAWN - BF/YJ	REVISED -
PLOT DATE = 2/15/24	CHECKED -	REVISED -
	DATE - 03/01/23	REVISED -

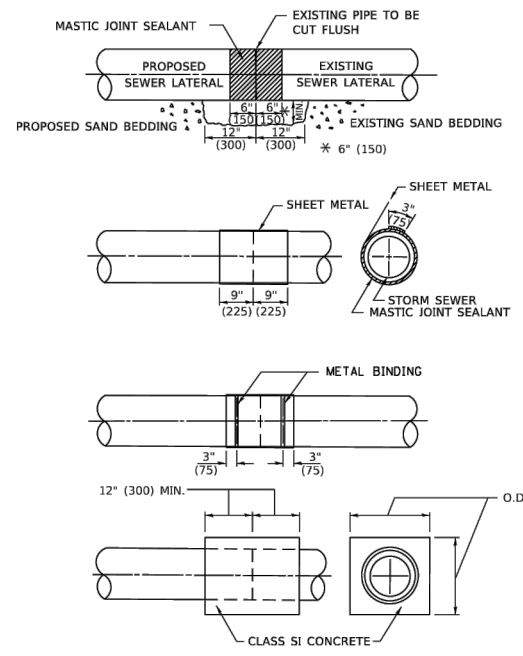
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS
SCALE: AS NOTED SHEET 79 OF 129 SHEETS STA. TO STA.

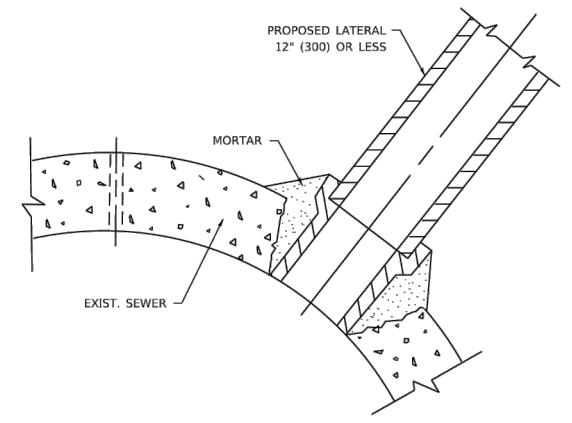
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	79
CONTRACT NO. 61K35			ILLINOIS FED. AID PROJECT	



DETAIL "A"
LATERAL CONNECTION TO EXISTING SEWER
OF 27" (675) OR SMALLER



DETAIL "B"
CLASS SI CONCRETE COLLAR



DETAIL "C"
PROPOSED LATERAL
CONNECTION TO EXISTING SEWER
OF 30" (750) OR LARGER

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6" (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.

NOTES:

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

1. CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.
2. CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

1. TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.
2. REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.
3. TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.
4. CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

* ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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PROJECT: D:\Projects\Illinois\22-071_Plans\22-071_Plans.dwg, DET-1

USER NAME = Lawrence.DeManche	DESIGNED - M. DE YONG	REVISED - R. SHAH 09-09-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED - R. SHAH 10-25-94		SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.	BD500-01 (BD-07)	CONTRACT NO.	
PLOT DATE = 11/18/2022	CHECKED -	REVISED - R. SHAH 06-12-96										
	DATE - 07-25-90	REVISED - K. SMITH 11-18-22										

USER NAME = BF/YJ	DESIGNED - VL	REVISED -
PLOT SCALE = AS NOTED	DRAWN - BF/YJ	REVISED -
PLOT DATE = 2/15/24	CHECKED -	REVISED -
	DATE - 03/01/23	REVISED -

DETAILS

SCALE: AS NOTED	SHEET 80	OF 129 SHEETS	STA.	TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	80
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				

MODEL: P:\P\01\Plans\22-071_Plan.dwg, DET-2A
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ROUTE MARKERS

FOR U.S. ROUTES
M1-40-2424

FOR ILLINOIS ROUTES
M1-50-2424

MAIN STREET
R.R. UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE
4" BLACK LETTERS ON WHITE
REFLECTIVE BACKGROUND

ARROWS SIGNS

M5-1L-2115

M5-1R-2115

M6-1-2115

M6-1-2115

M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

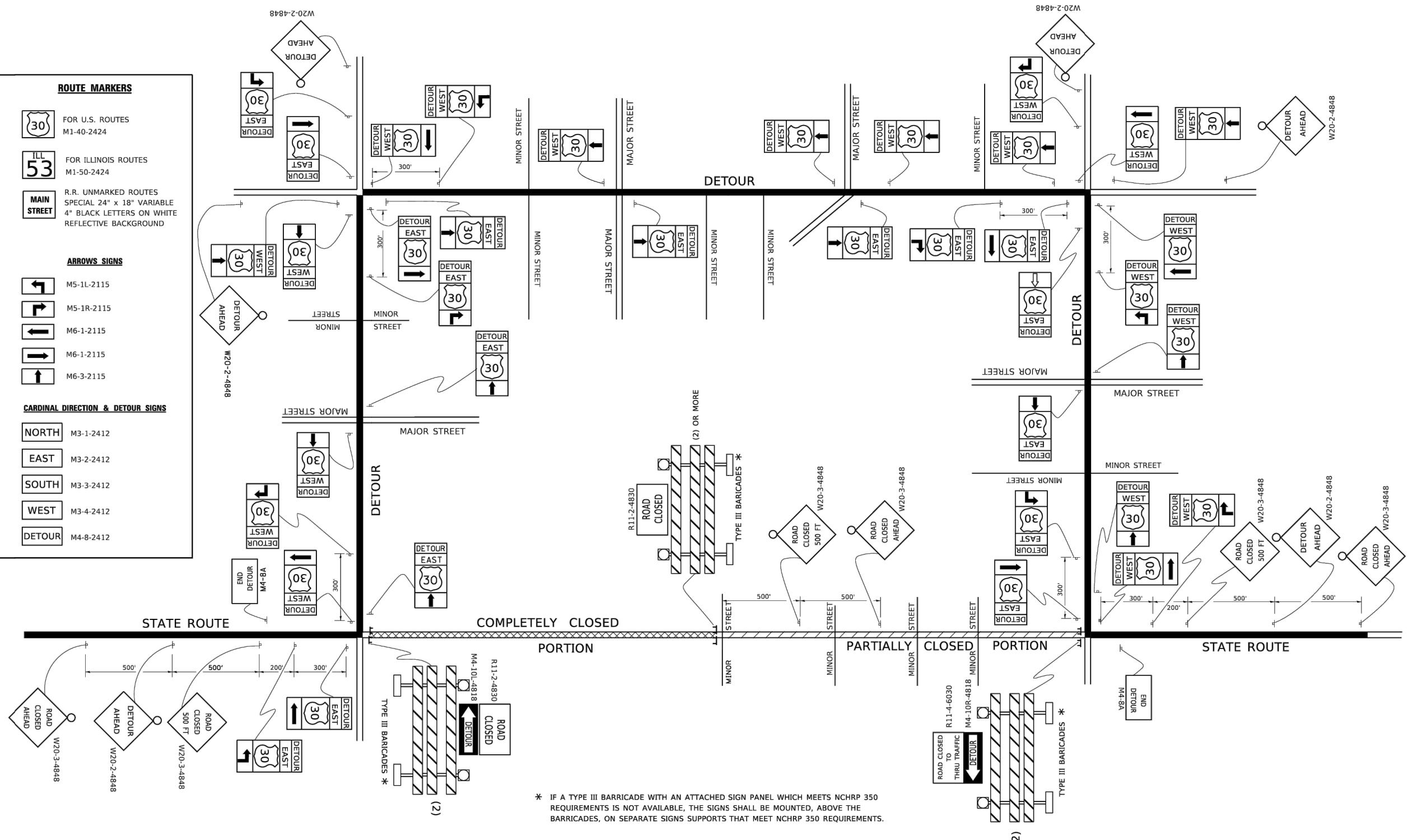
NORTH M3-1-2412

EAST M3-2-2412

SOUTH M3-3-2412

WEST M3-4-2412

DETOUR M4-8-2412



* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

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USER NAME = footemj	DESIGNED -	REVISED - 10-18-02
PLOT SCALE = 50.0000" / 1 in.	DRAWN -	REVISED - R. BORO 09-14-09
PLOT DATE = 3/4/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR SIGNING FOR CLOSING STATE HIGHWAYS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA.	TO STA.			

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-21			
ILLINOIS		FED. AID PROJECT		

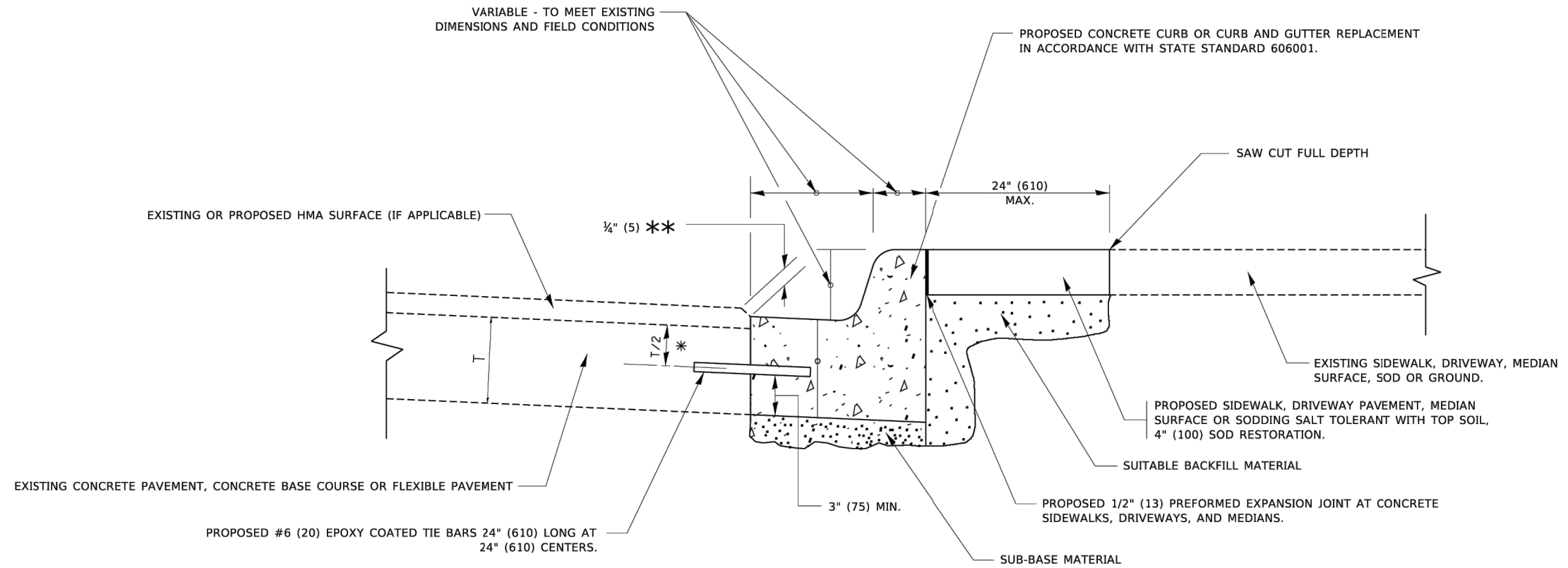
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ILLINOIS DESIGN FIRM NO. 144-03395
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USER NAME = BF/YJ	DESIGNED - VL	REVISED -
PLOT SCALE = AS NOTED	DRAWN - BF/YJ	REVISED -
PLOT DATE = 3/22/24	CHECKED -	REVISED -
	DATE - 03/01/23	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: AS NOTED	SHEET 81A OF 132 SHEETS	STA.	TO STA.			

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	132	81A
ILLINOIS		FED. AID PROJECT		



* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

USER NAME = BF/YJ PLOT SCALE = 50.0000' / in. PLOT DATE = 7/11/2019	DESIGNED - VL DRAWN - BF/YJ CHECKED - DATE - 03/01/23	REVISIONS: A. HOUSEH 03-21-97 M. GOMEZ 01-22-01 R. BORO 12-15-09 K. SMITH 07-11-19	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	F.A.U. RTE. 4051 SECTION 22-00134-00-TL COUNTY MCHENRY TOTAL SHEETS 129 SHEET NO. 82
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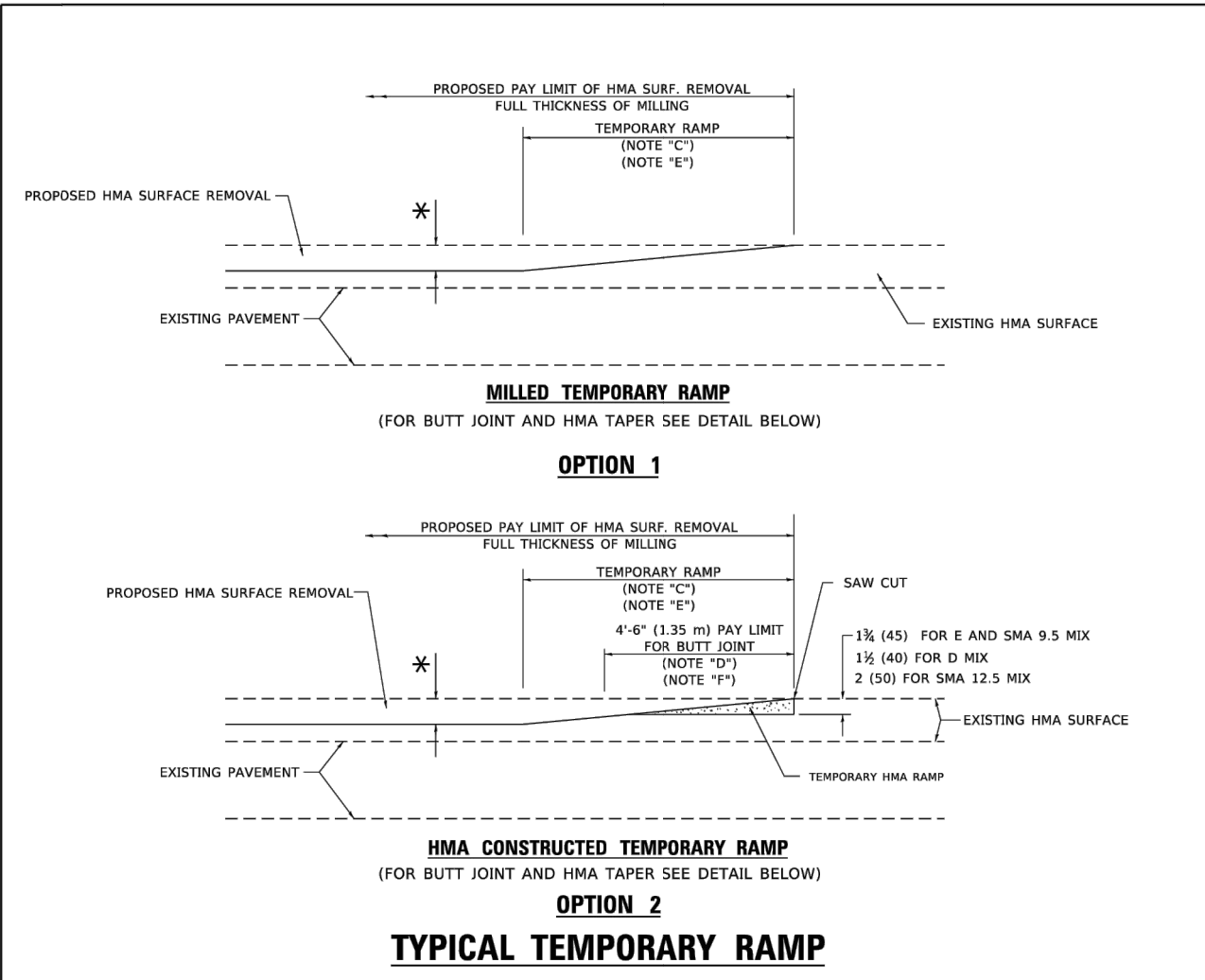
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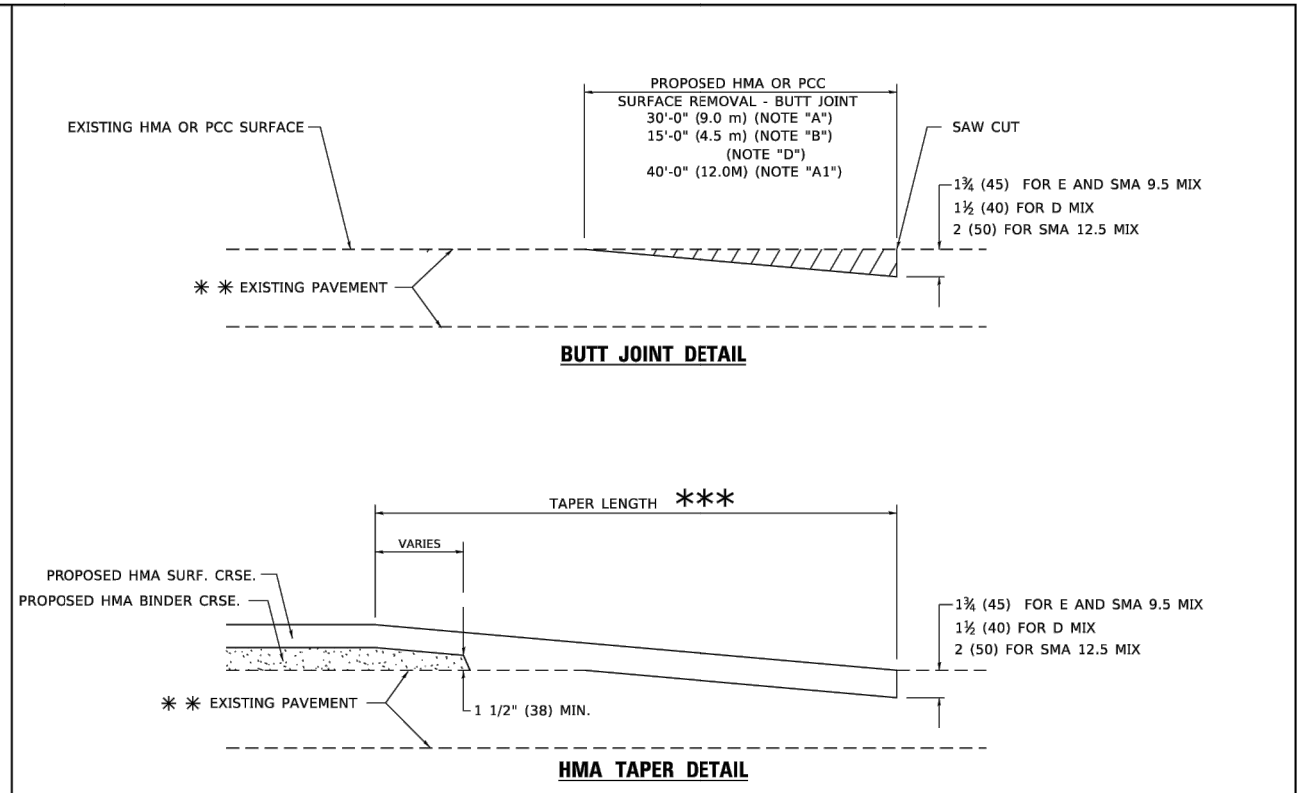
USER NAME = BF/YJ PLOT SCALE = AS NOTED PLOT DATE = 2/15/24	DESIGNED - VL DRAWN - BF/YJ CHECKED - DATE - 03/01/23	REVISIONS: A. HOUSEH 03-21-97 M. GOMEZ 01-22-01 R. BORO 12-15-09 K. SMITH 07-11-19	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS	F.A.U. RTE. 4051 SECTION 22-00134-00-TL COUNTY MCHENRY TOTAL SHEETS 129 SHEET NO. 82
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SCALE: AS NOTED	SHEET 82 OF 129 SHEETS	STA. TO STA.	CONTRACT NO. 61K35	ILLINOIS FED. AID PROJECT
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SCALE: AS NOTED	SHEET 82 OF 129 SHEETS	STA. TO STA.	CONTRACT NO. 61K35	ILLINOIS FED. AID PROJECT
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TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

GENERAL NOTES

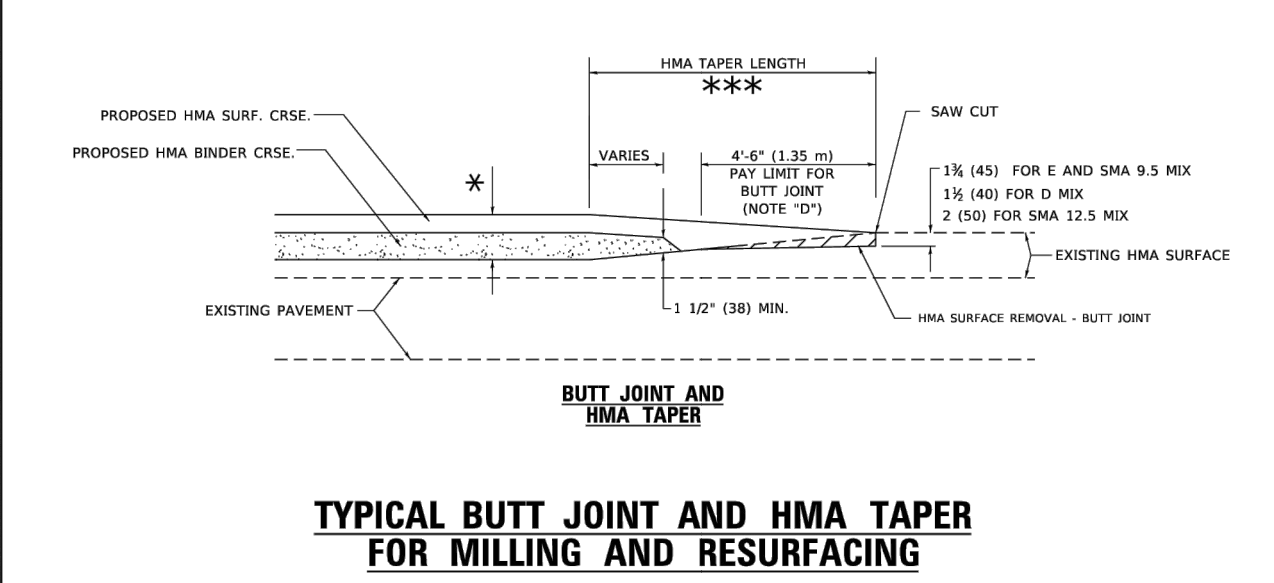
- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3" - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
 - *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
 - 10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

- 1. THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".
- 2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

MODEL: D:\m\h\... FILE NAME: p\11005-001-bentley.com\PROJECTS\DOT Documents\DOT Office\District 11\Projects\Dist11\582272\KACAD\Drawings\CA\Drawings\22.dgn



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

USER NAME = Lawrence.DeManche	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED - M. GOMEZ 04-06-01
PLOT DATE = 11/18/2022	CHECKED -	REVISED - R. BORO 01-01-07
	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: NONE		SHEET 1 OF 1 SHEETS		STA. TO STA.	
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	83
CONTRACT NO. 61K35			ILLINOIS FED. AID PROJECT	

MODEL: C:\3D\22-071_Plan.dwg, DET-4

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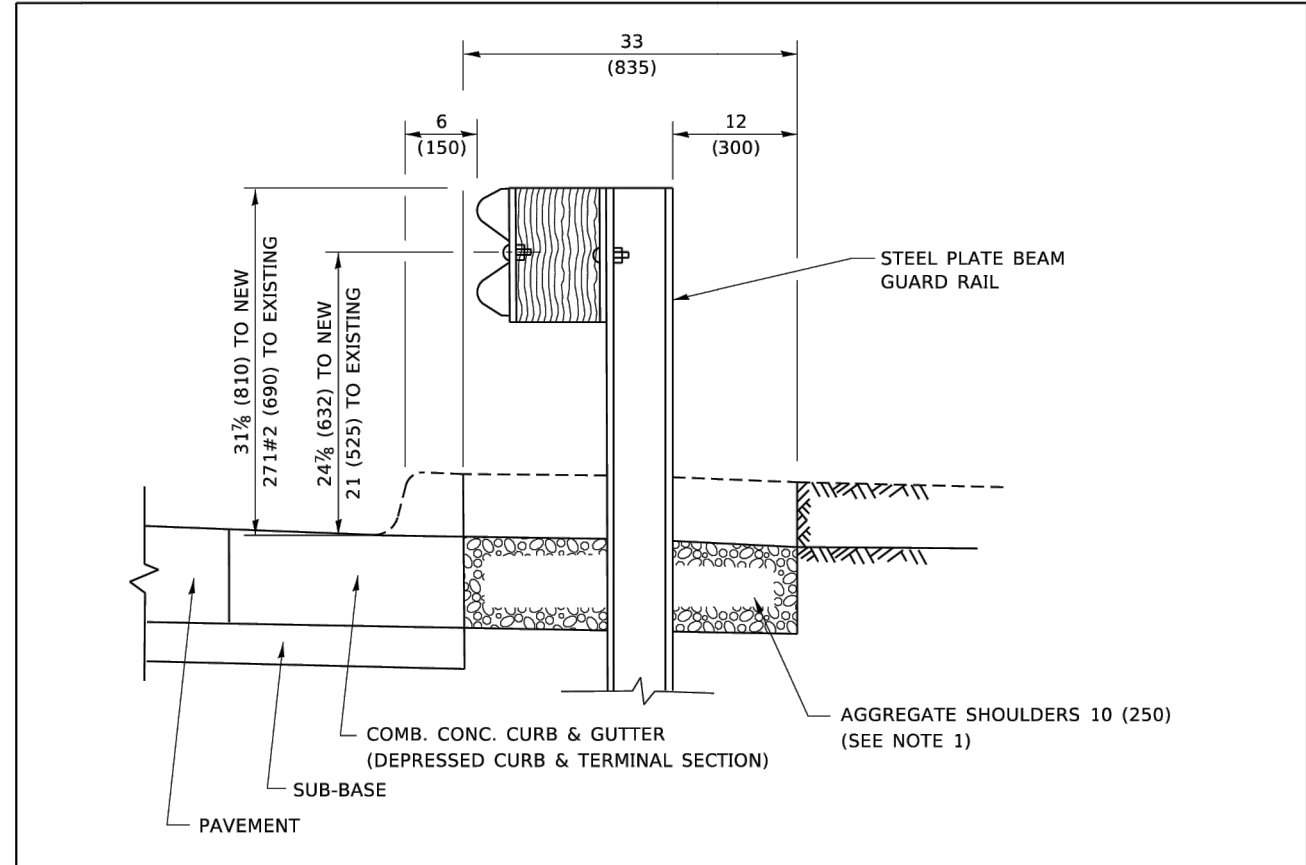
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PLOT SCALE = AS NOTED	DRAWN - BF/YJ	REVISED -
PLOT DATE = 2/15/24	CHECKED -	REVISED -
	DATE - 03/01/23	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: AS NOTED		SHEET 83 OF 129 SHEETS		STA. TO STA.	
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	83
CONTRACT NO. 61K35			ILLINOIS FED. AID PROJECT	

MODEL: Default
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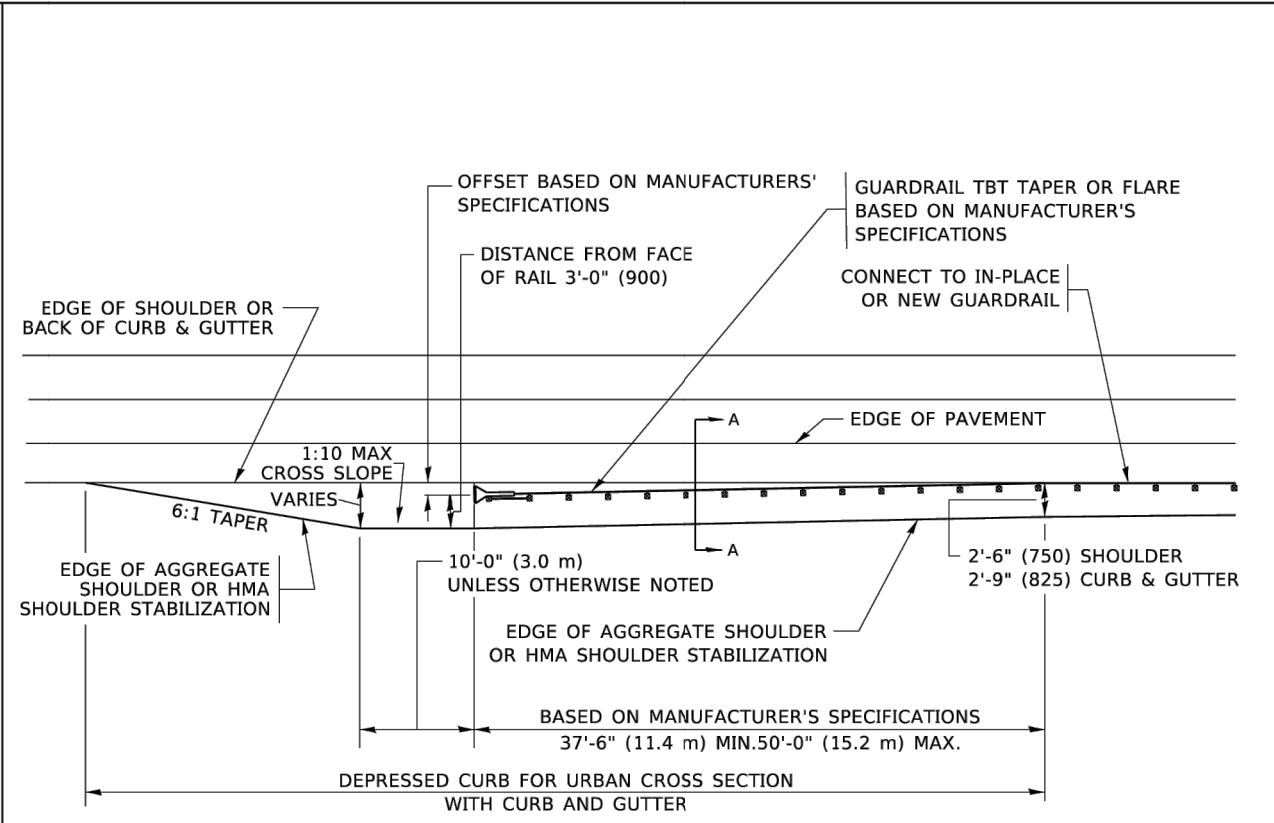


SECTION A-A

NOTES:

1. THE AGGREGATE SHOULDER, 10 (250) OR HMA SHOULDER, 6 (150) (IF REQUIRED) SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL.
2. "EXISTING" GUARDRAIL REFERS TO CONNECTING TERMINAL SECTION TO GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
3. THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT OF GUARDRAIL IN-PLACE BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE EXISTING GUARDRAIL HEIGHT SHALL TRANSITION TO MATCH THE NEW TERMINAL END SECTION AND SHALL BE PAID FOR AS VERTICAL ADJUSTMENT OF EXISTING GUARDRAIL.

**DETAILS FOR STEEL PLATE BEAM
GUARD RAIL ADJACENT TO CURB AND GUTTER
[FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]**



**DEPRESSED CURB AND GUTTER AND
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

AGGREGATE SHOULDER, 10 (250) WILL BE PAID ACCORDING TO SECTION 481.

HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID ACCORDING TO SECTION 482.

COMB. CONC. C&G, STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

TBT = TRAFFIC BARRIER TERMINAL
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

USER NAME = Lawrence.DeManche	DESIGNED - M. DE YONG	REVISED - R. BORO 09-14-2009
	DRAWN -	REVISED - R. BORO 08-06-2012
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED - R. BORO 05-08-2015
PLOT DATE = 11/18/2022	DATE - 09-22-90	REVISED - K. SMITH 11-18-22

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR DEPRESSED CURB & GUTTER AND
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BD600-10 (BD-34)			
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

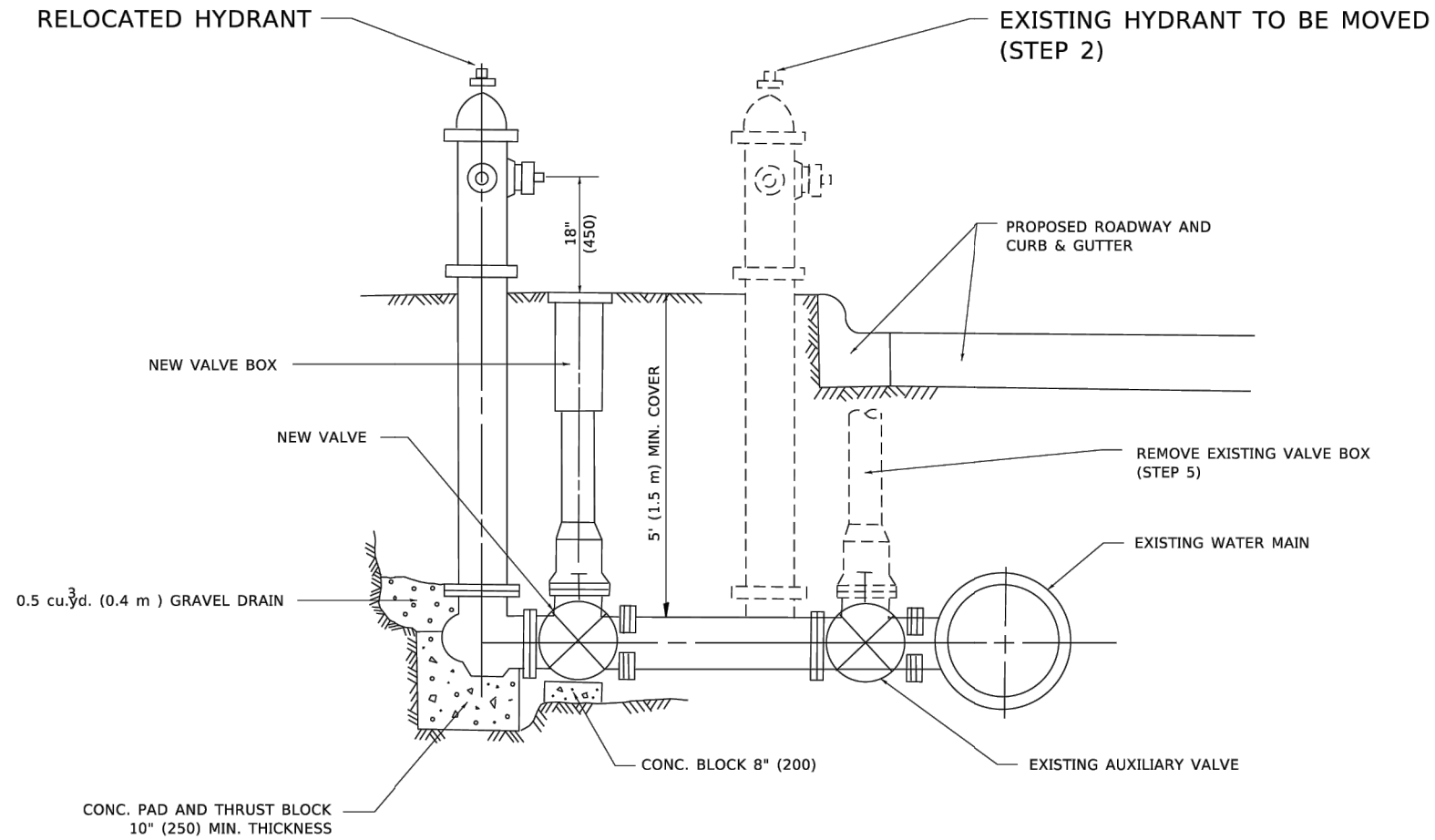
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USER NAME = BF/YJ	DESIGNED - VL	REVISED -
	DRAWN - BF/YJ	REVISED -
PLOT SCALE = AS NOTED	CHECKED -	REVISED -
PLOT DATE = 2/15/24	DATE - 03/01/23	REVISED -

DETAILS

SCALE: AS NOTED SHEET 84 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	84
CONTRACT NO. 61K35				
ILLINOIS FED. AID PROJECT				



SEQUENCE OF CONSTRUCTION:

1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

NOTE:

ALL WORK TO BE DONE IN ACCORDANCE WITH SECTION 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

FIRE HYDRANT TO BE MOVED

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

MODEL: D:\p\bit FILE NAME: s:\illinois\p\bit\com\p\bit\Documents\DOT-Official\District 1\Projects\Dist1\22-071\CA\ADD\at\CA\ch\sheet36.dgn

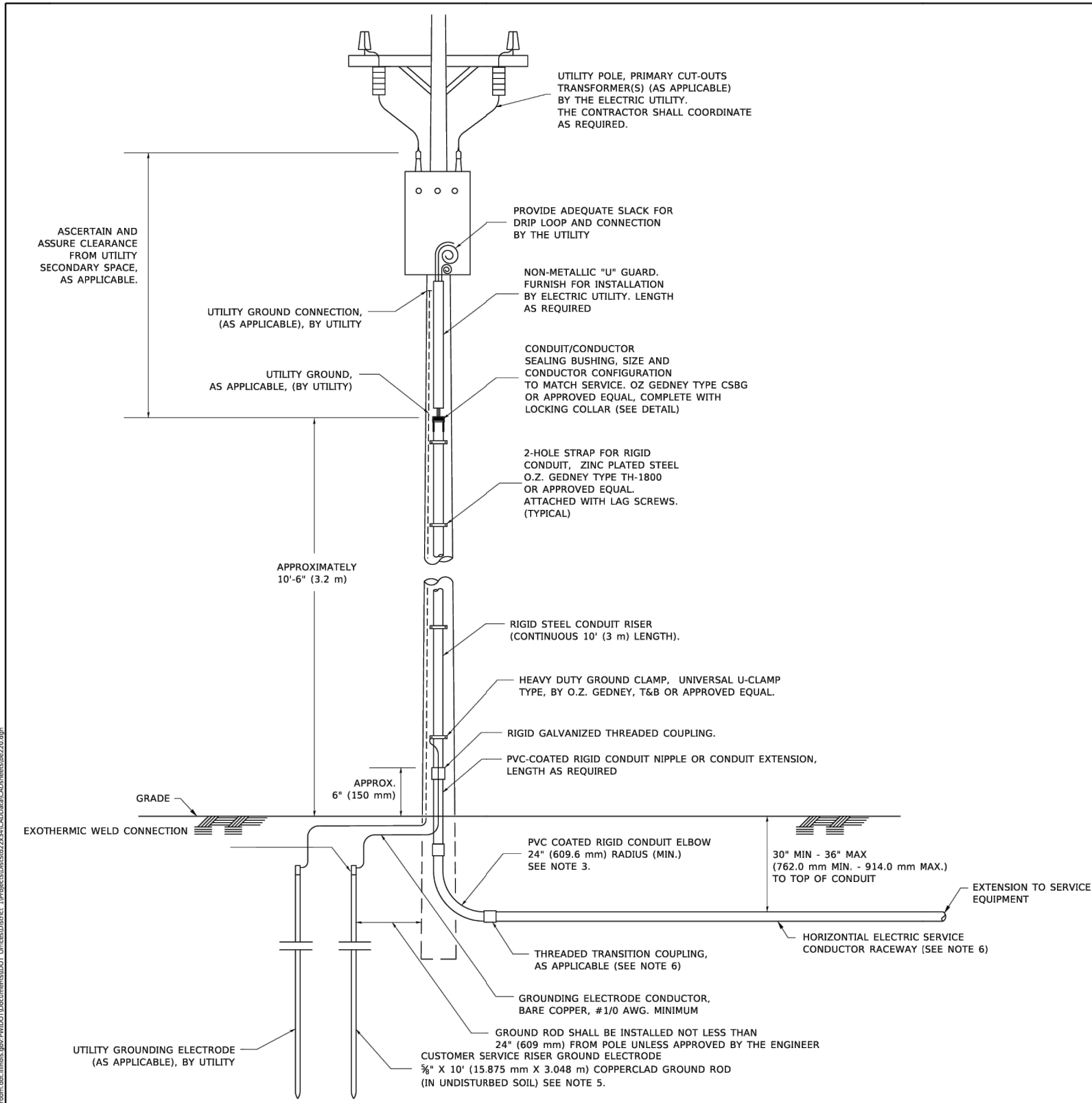
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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED - R. SHAH 10-25-94
PLOT DATE = 11/18/2022	CHECKED -	REVISED - K. SMITH 11-18-22
	DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

FIRE HYDRANT TO BE MOVED			
SCALE: NONE	SHEET 1	OF 1	SHEETS
STA.	TO STA.		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	85
CONTRACT NO. 61K35			ILLINOIS FED. AID PROJECT	

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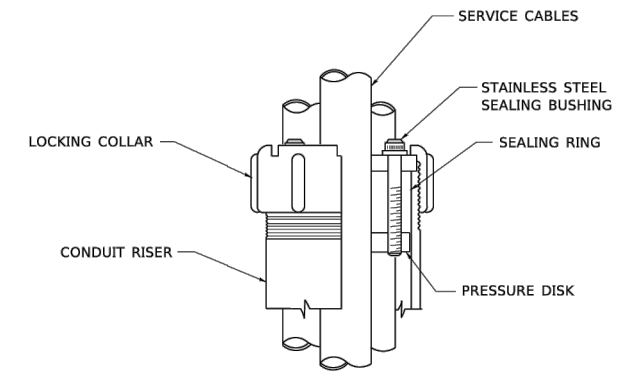


APPLICATION

THIS DETAIL APPLIES FOR LOW VOLTAGE ELECTRIC SERVICE (660 V OR LESS) FROM AN OVERHEAD UTILITY SUPPLY TO SEPERATLY-MOUNTED SERVICE EQUIPMENT.

NOTES

- SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
- UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
- CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUCTOR RACEWAY AS INDICATED ON THE PLANS.
- PVC COATED RACEWAYS AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MFR RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGE SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER OF SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE AND CONNECTION TO SERVICE CONDUCTOR RACEWAY EXTENSION BEFORE BACKFILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY "U" GUARD INSTALLATION AND SERVICE CONNECTION.
- THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT. WHEN THE RACEWAY IS PVC-COATED RIGID GALVANIZED STEEL, THE COUPLING SHALL BE THE SAME. WHEN THE RACEWAY IS PVC CONDUIT (IN CONCRETE), THE COUPLING SHALL BE A METALIC TO NON METALIC ADAPTER. WHEN THE RACEWAY IS ENCASED IN CONCRETE, THE CONCRETE SHALL EXTEND TO COVER THE COUPLING.
- PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY, FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.



SEALING BUSHING DETAIL

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PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 4/19/2019	CHECKED - MEA	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ELECTRIC SERVICE INSTALLATION
AERIAL REMOTE DISCONNECT**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	86
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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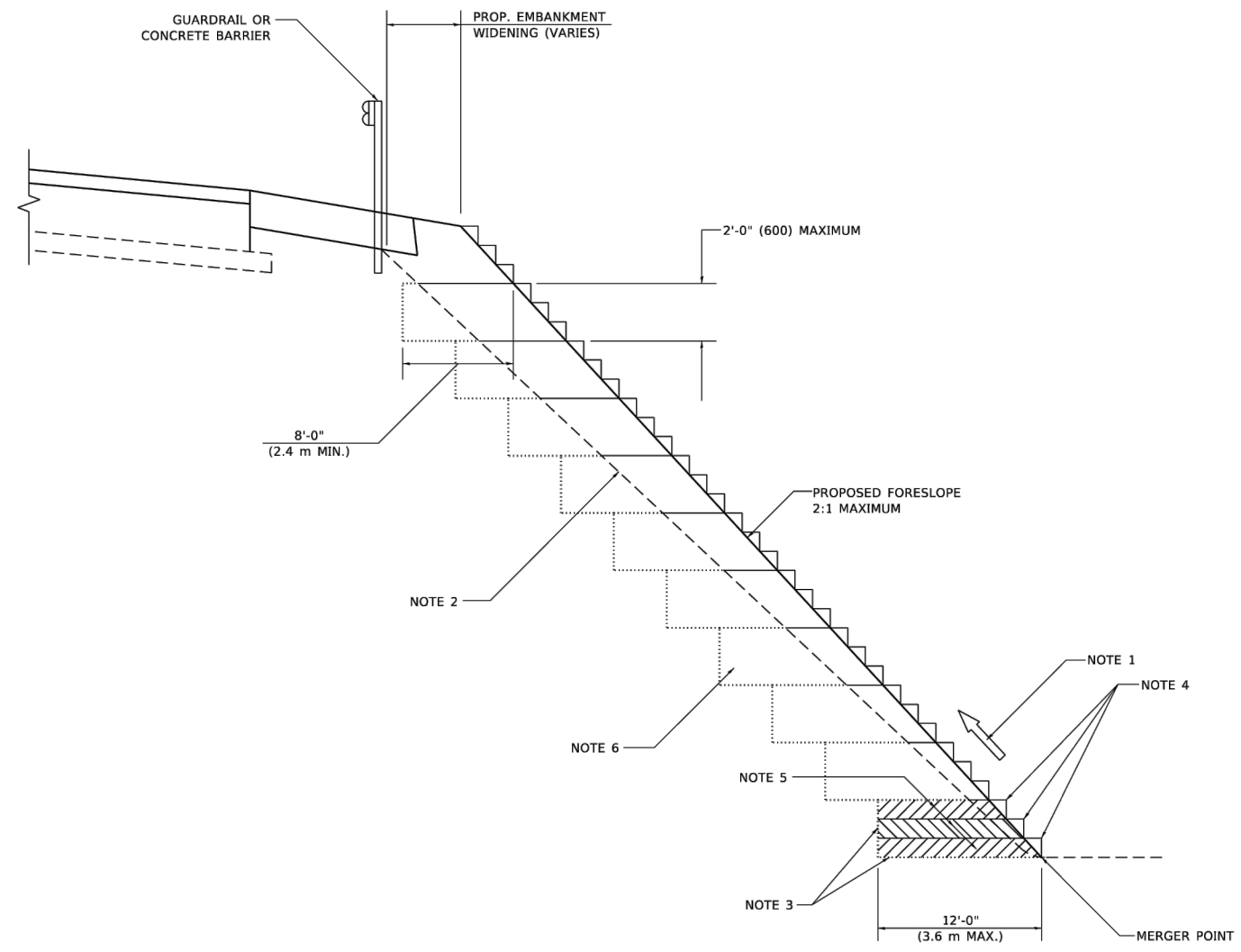
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PLOT DATE = 2/15/24	CHECKED -	REVISED -
	DATE - 03/01/23	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS

SCALE: AS NOTED SHEET 86 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	86
CONTRACT NO. 61K35				
ILLINOIS FED. AID PROJECT				



**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

GENERAL NOTES

1. CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
2. EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
3. BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
4. TRIM TO FINAL SLOPE.
5. EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.

BASIS OF PAYMENT

1. EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

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PLOT SCALE = 100.0000' / in.	DRAWN - CADD	REVISED -
PLOT DATE = 11/18/2022	CHECKED - S.E.B.	REVISED -
	DATE - 06-16-04	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BENCHING DETAIL FOR EMBANKMENT WIDENING			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	87
CONTRACT NO.			ILLINOIS FED. AID PROJECT	

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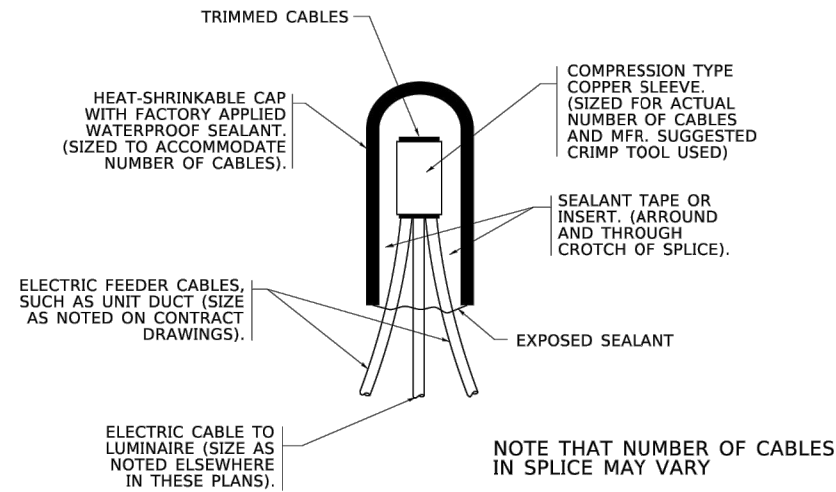
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ILLINOIS DESIGN FIRM NO. 144-033925
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USER NAME = BF/YJ	DESIGNED - VL	REVISED -
PLOT SCALE = AS NOTED	DRAWN - BF/YJ	REVISED -
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	DATE - 03/01/23	REVISED -

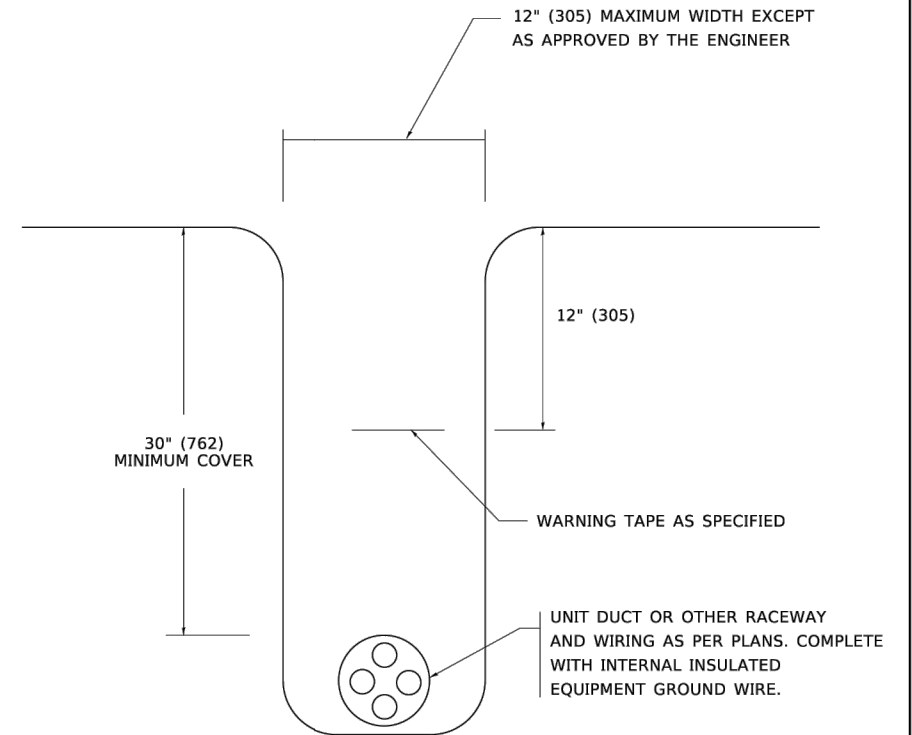
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS			
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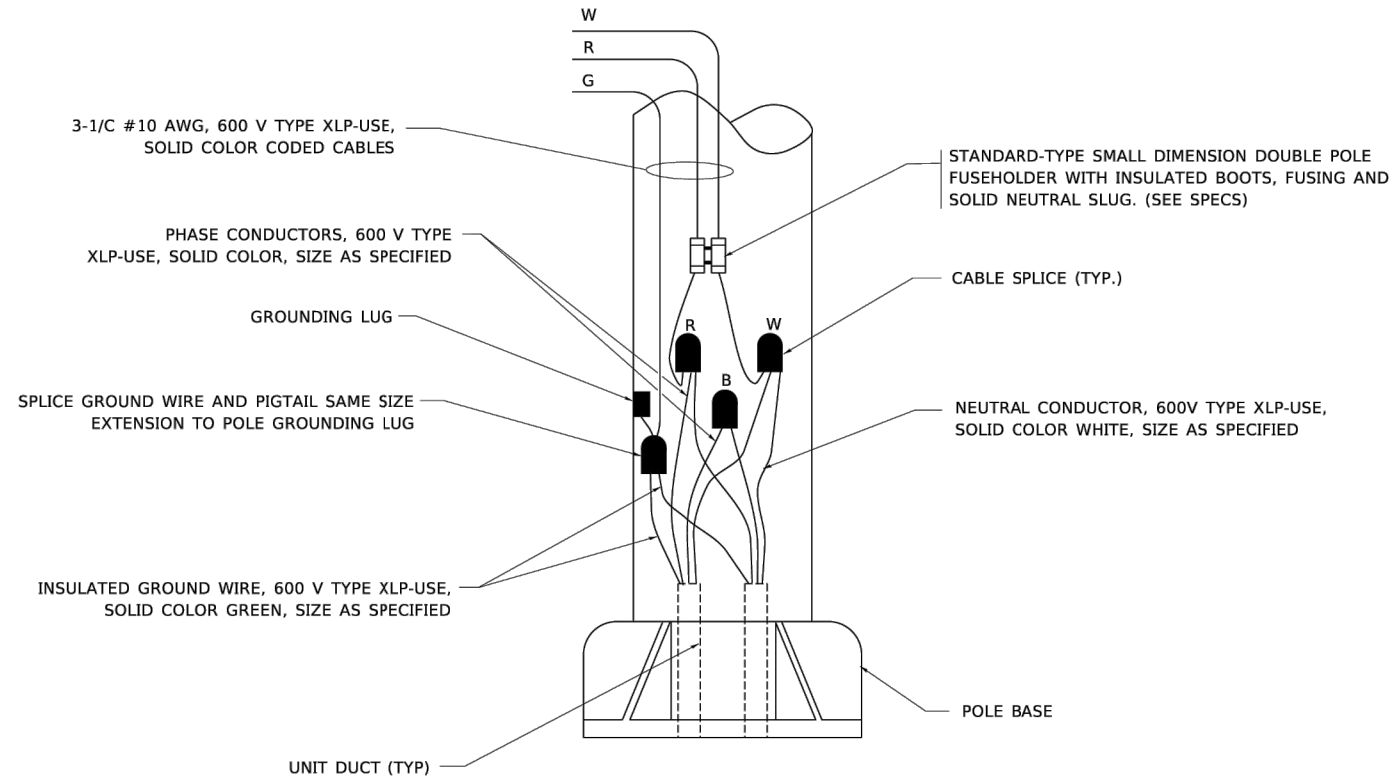
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4051	22-00134-00-TL	MCHENRY	129	87
CONTRACT NO. 61K35			ILLINOIS FED. AID PROJECT	



TYPICAL SPLICE DETAIL
N.T.S.



TYPICAL WIRING IN TRENCH DETAIL
N.T.S.



POLE WIRING DETAIL
N.T.S.

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 DATE: 03/01/23

USER NAME = vl	DESIGNED - vl	REVISED - 02/04/2020
PLOT SCALE = 50.0000' / in.	DRAWN - BF/YJ	REVISED -
PLOT DATE = 3/2/2020	CHECKED -	REVISED -
	DATE - 08/08/2003	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISC. ELECTRICAL DETAILS
SHEET A

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	88
CONTRACT NO.			61K35	
ILLINOIS FED. AID PROJECT				

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 USER: vl
 DATE: 03/01/23

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ILLINOIS REG. NO. 144-03395
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USER NAME = BF/YJ	DESIGNED - vl	REVISED -
PLOT SCALE = AS NOTED	DRAWN - BF/YJ	REVISED -
PLOT DATE = 2/15/24	CHECKED -	REVISED -
	DATE - 03/01/23	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

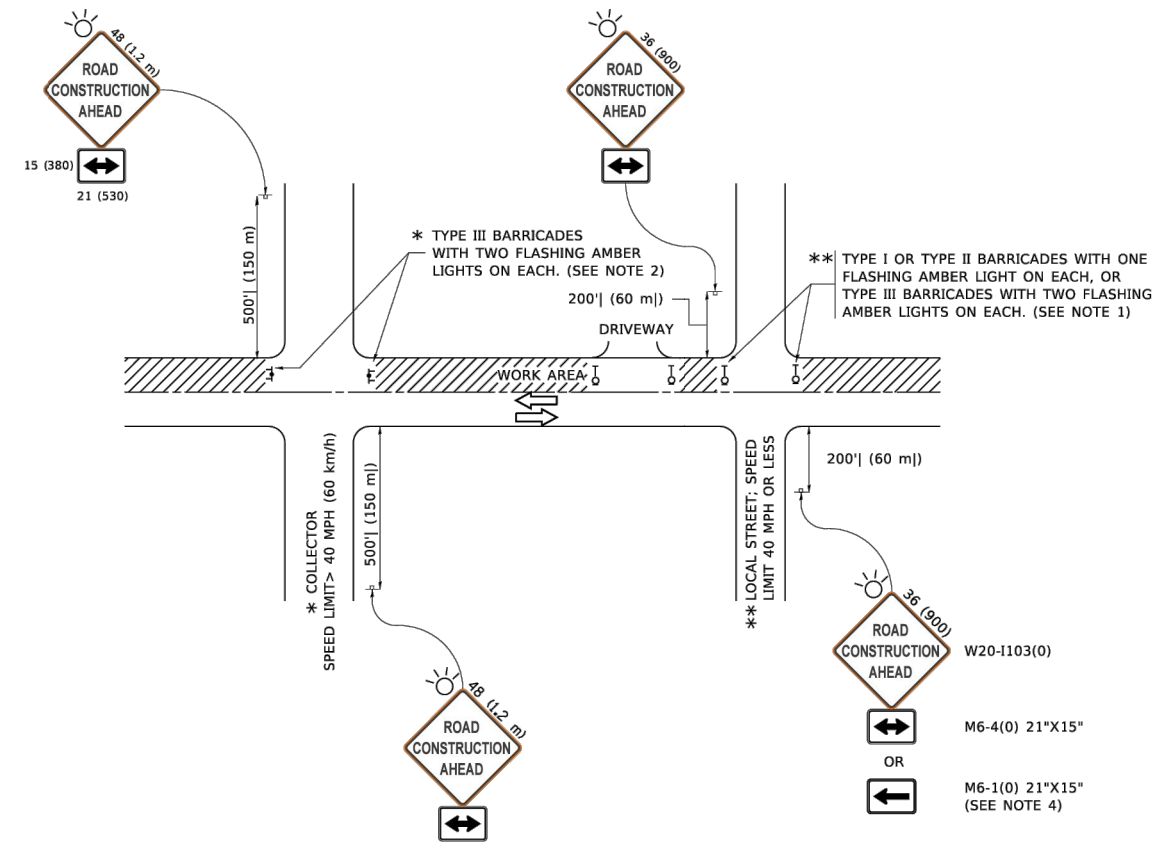
DETAILS

SCALE: AS NOTED SHEET 88 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	88
CONTRACT NO.			61K35	
ILLINOIS FED. AID PROJECT				

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MODEL: C:\3D\22\22-071_Plan\22-071_Plan.dwg, DET-10
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NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

USER NAME = fofterj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT DATE = 3/4/2019	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-10			
ILLINOIS FED. AID PROJECT			CONTRACT NO.	

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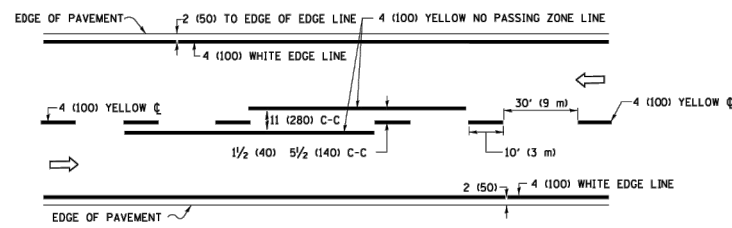
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

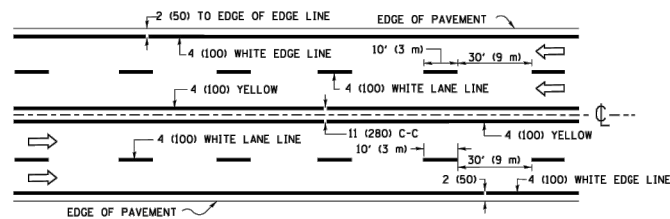
DETAILS

SCALE: AS NOTED SHEET 89 OF 129 SHEETS STA. TO STA.

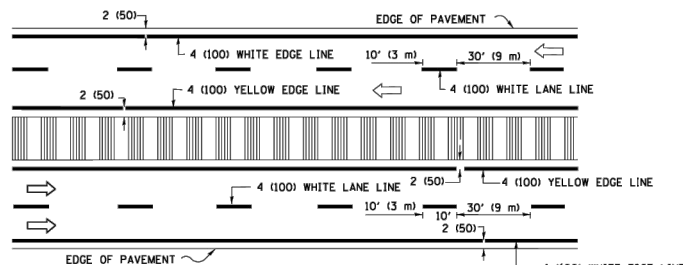
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4051	22-00134-00-TL	MCHENRY	129	89
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61K35	



2-LANE ROADWAY

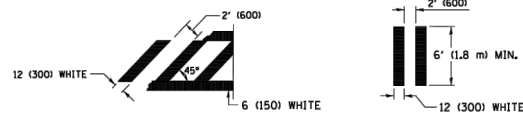
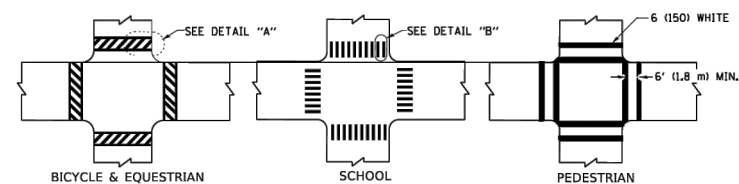


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING



DETAIL "A"

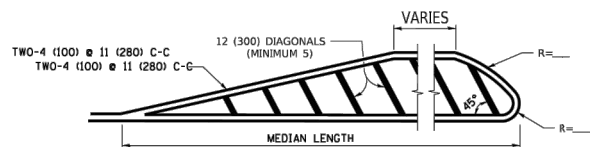
DETAIL "B"

TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



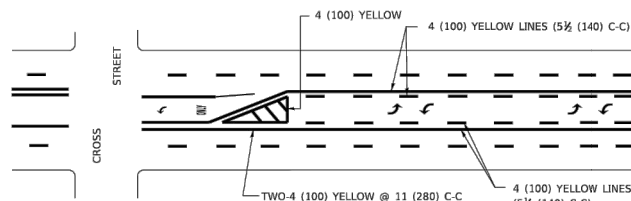
4' (1.2 m) WIDE MEDIANS ONLY



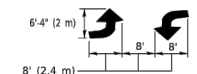
MEDIANS OVER 4' (1.2 m) WIDE

FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

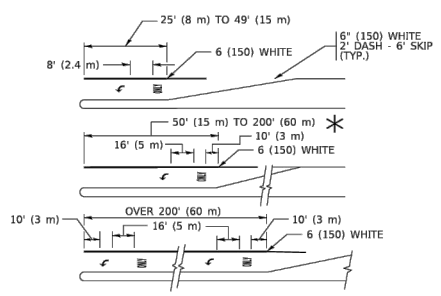


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

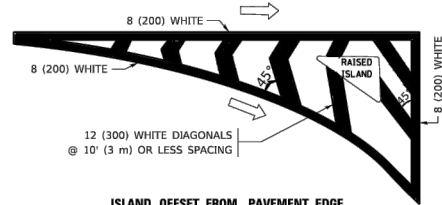
TYPICAL PAINTED MEDIAN MARKING



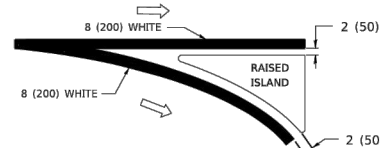
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

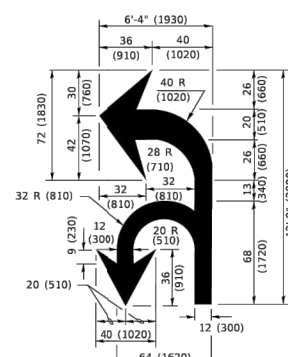


ISLAND OFFSET FROM PAVEMENT EDGE

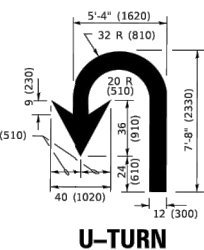


ISLAND AT PAVEMENT EDGE

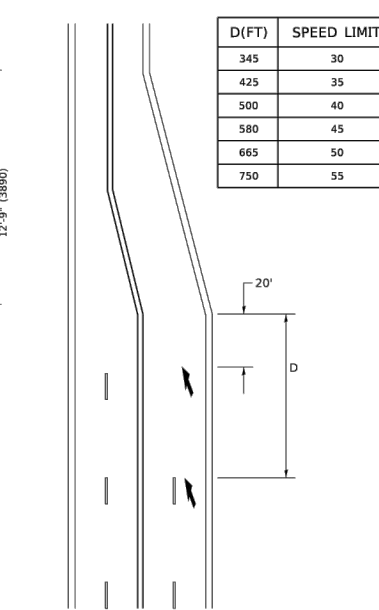
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN



LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) SOLID	SOLID	YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: *R*=3.6 SQ. FT. (0.33 m ²) EACH *X*=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS > 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

USER NAME = bf/yj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 3/4/2019	CHECKED -	REVISED - C. JUCIUS 12-21-15
	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-13			
ILLINOIS FED. AID PROJECT			CONTRACT NO.	

MODEL: C:\30\22-071_Plan\22-071_Plan.dwg, DET-11

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ENGINEERING & ENVIRONMENTAL
ILLINOIS PERSON FILE NO. 14-03395
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USER NAME = BF/YJ	DESIGNED - VL	REVISED -
PLOT SCALE = AS NOTED	DRAWN - BF/YJ	REVISED -
PLOT DATE = 2/15/24	CHECKED -	REVISED -
	DATE - 03/01/23	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DETAILS

SCALE: AS NOTED SHEET 90 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	90
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61K35	

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

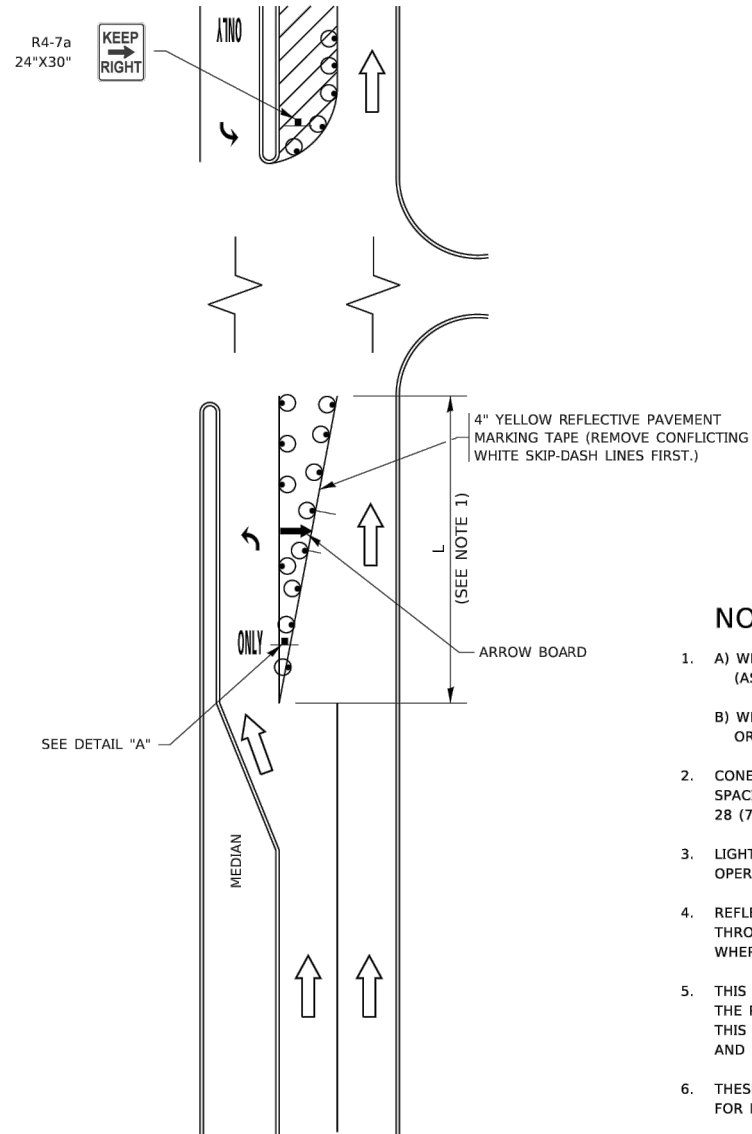


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

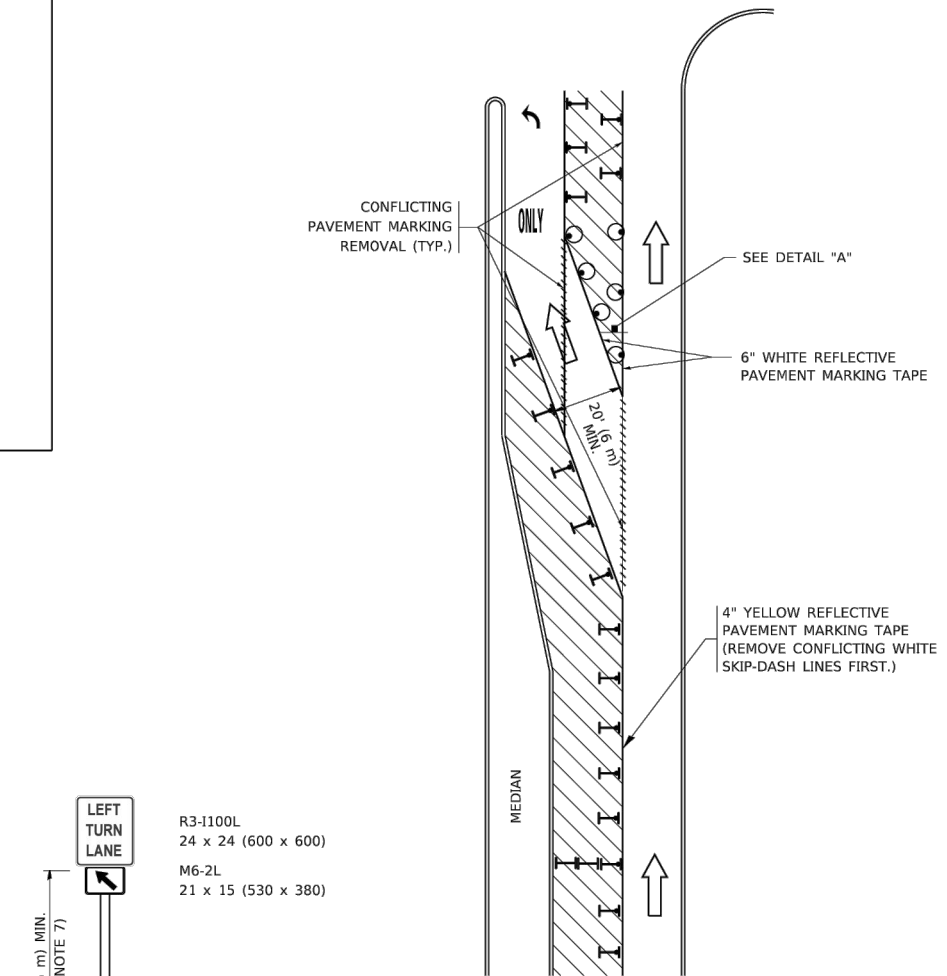


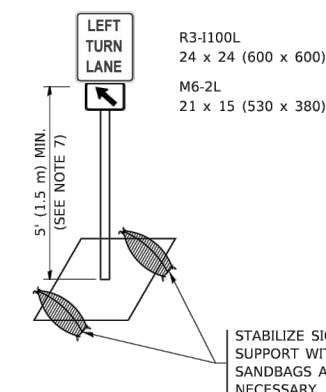
FIGURE 2

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



DETAIL A

All dimensions are in inches (millimeters) unless otherwise shown.

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USER NAME = footemj	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 50.0000' / in.	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 3/4/2019	DATE - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-14			
CONTRACT NO.			ILLINOIS FED. AID PROJECT	

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

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ILLINOIS PERSONNEL NO. 14-03355
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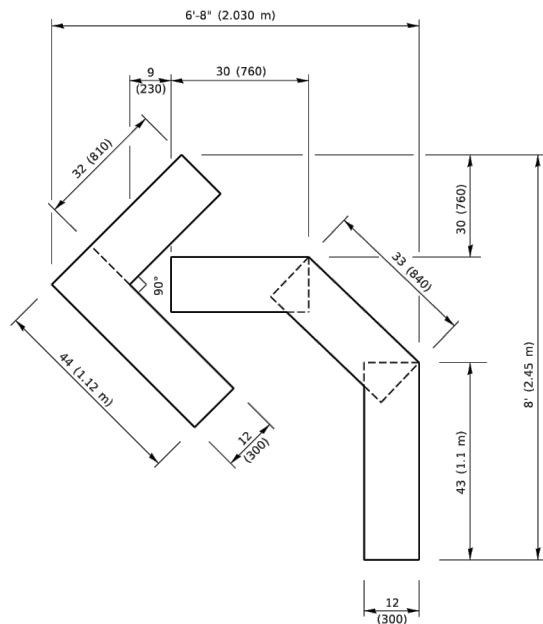
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	DRAWN = BF/YJ	REVISED =
PLOT SCALE = AS NOTED	CHECKED =	REVISED =
PLOT DATE = 3/22/24	DATE = 03/01/23	REVISED =

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

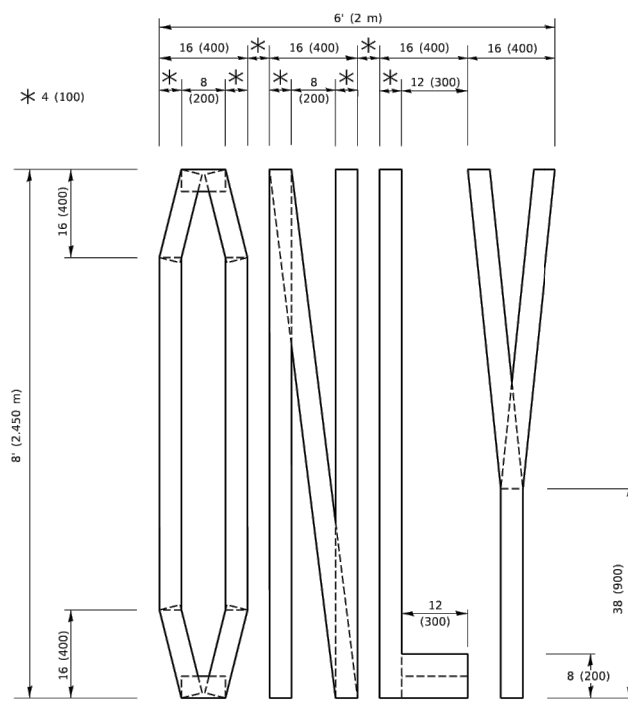
DETAILS

SCALE: AS NOTED SHEET 90A OF 132 SHEETS STA. TO STA.

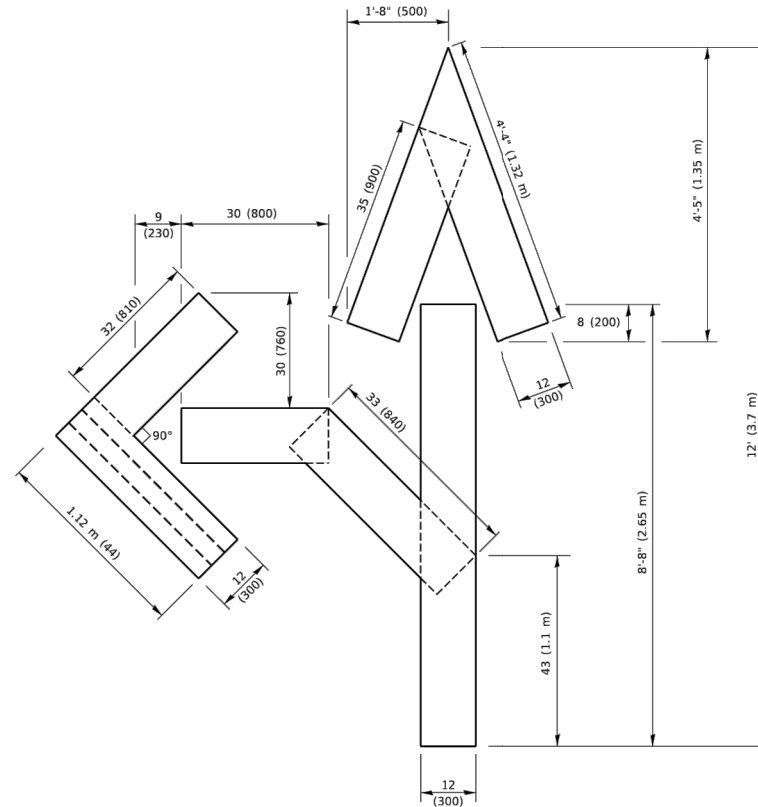
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	132	90A
CONTRACT NO. 61K35			ILLINOIS FED. AID PROJECT	



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.41 sq. m)

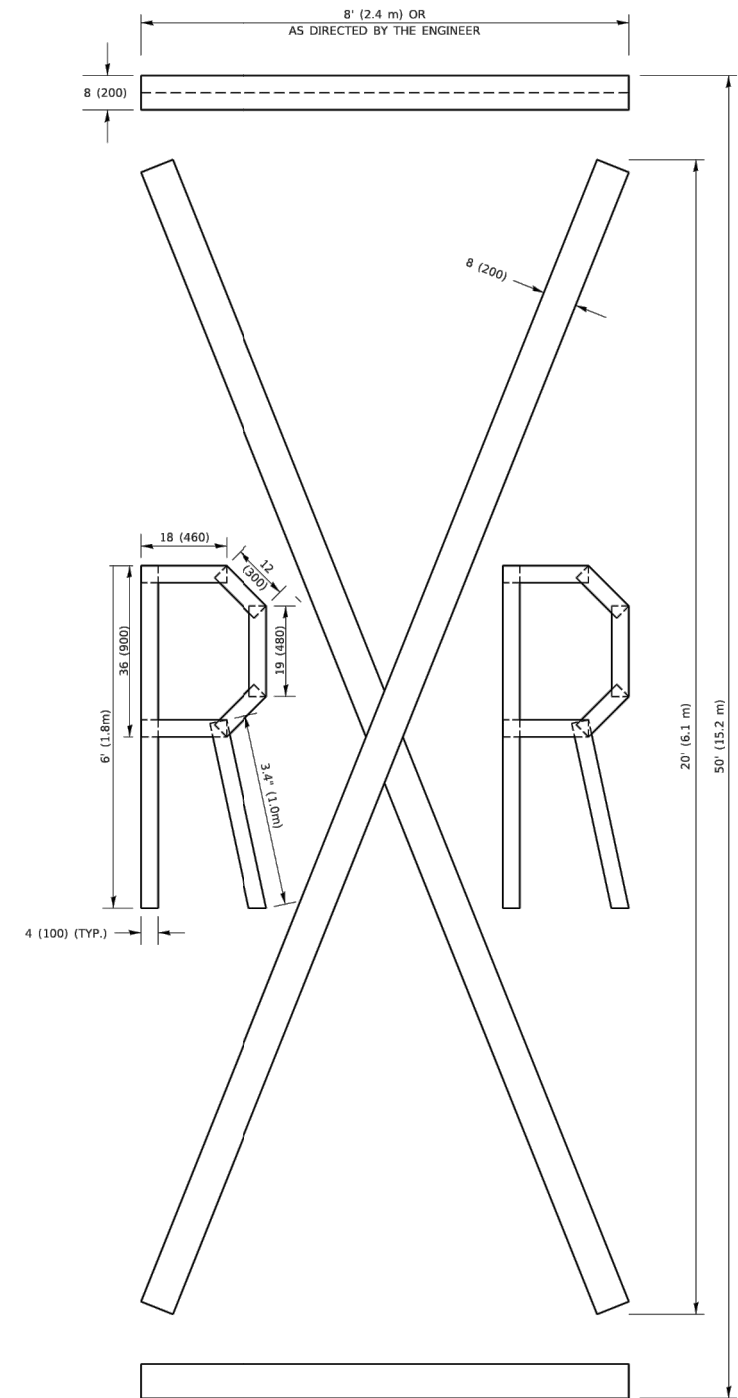


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.1 m)
 27.5 sq. ft. (2.53 sq. m)

NOTE:
 ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY
 4 (100) LINE = 225.9 ft. (68.9 m)
 75.3 sq. ft. (6.99 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

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USER NAME = foetern	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
PLOT SCALE = 50.0068' / in.	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 3/4/2019	CHECKED -	REVISED - E. GOMEZ 08-28-00
	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	91
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61K35	

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 ILLINOIS DESIGN FIRM NO. 144-03355
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USER NAME = BF/YJ	DESIGNED - VL	REVISED -
PLOT SCALE = AS NOTED	DRAWN - BF/YJ	REVISED -
PLOT DATE = 2/15/24	CHECKED -	REVISED -
	DATE - 03/01/23	REVISED -

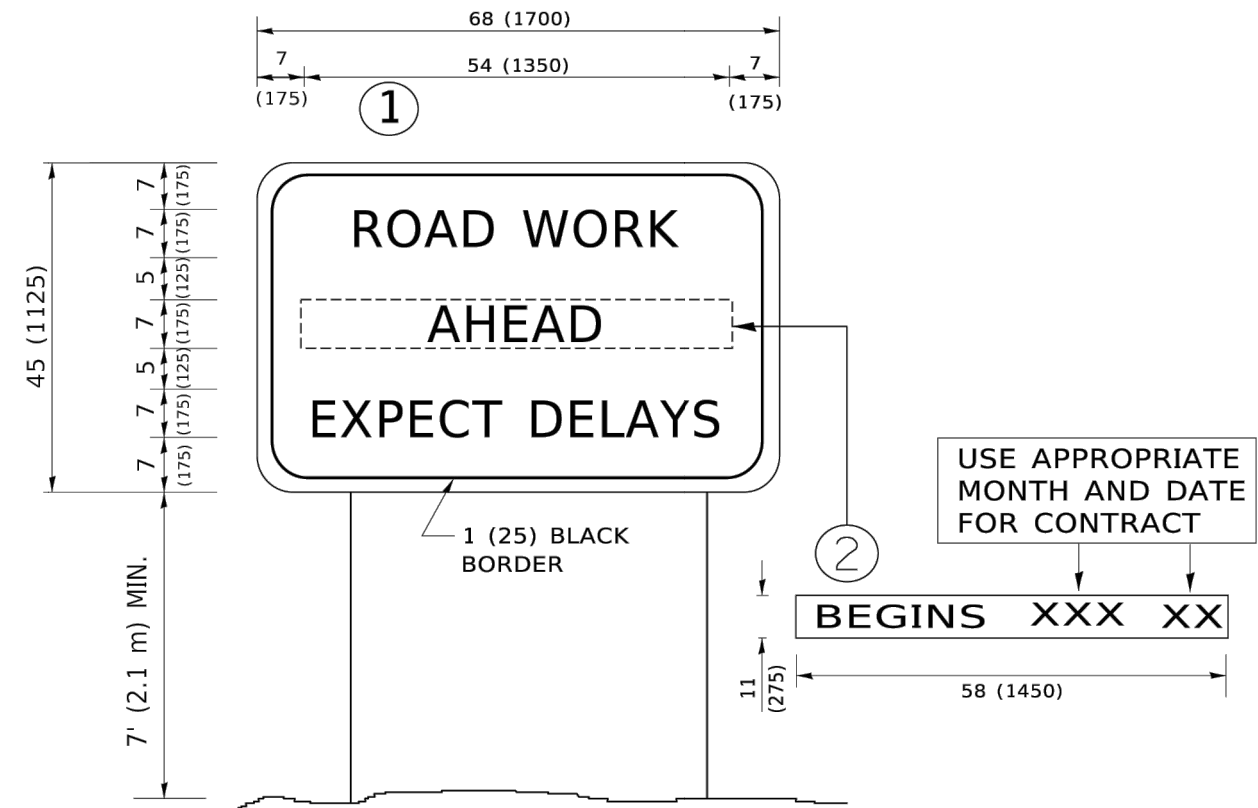
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DETAILS
 SCALE: AS NOTED SHEET 91 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	91
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61K35	

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 FILE NAME: C:\3D\22-071_Plan\22-071_Plan.dwg, DET-13



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

USER NAME = fo0ternj	DESIGNED -	REVISED - R. MIRS 09-15-97
PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT DATE = 3/4/2019	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	DATE -	REVISED - C. JUCIUS 01-31-07

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD
 INFORMATION SIGN

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	92
CONTRACT NO.			61K35	
ILLINOIS FED. AID PROJECT				

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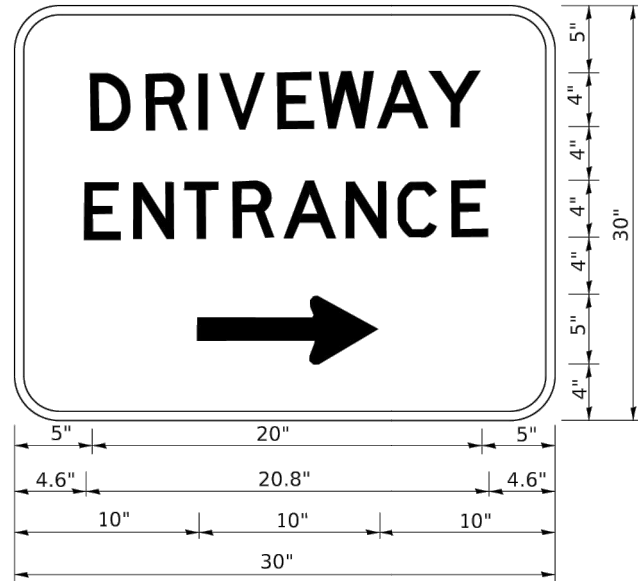
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PLOT DATE = 2/15/24	CHECKED -	REVISED -
	DATE - 03/01/23	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DETAILS

SCALE: AS NOTED SHEET 92 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	92
CONTRACT NO.			61K35	
ILLINOIS FED. AID PROJECT				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

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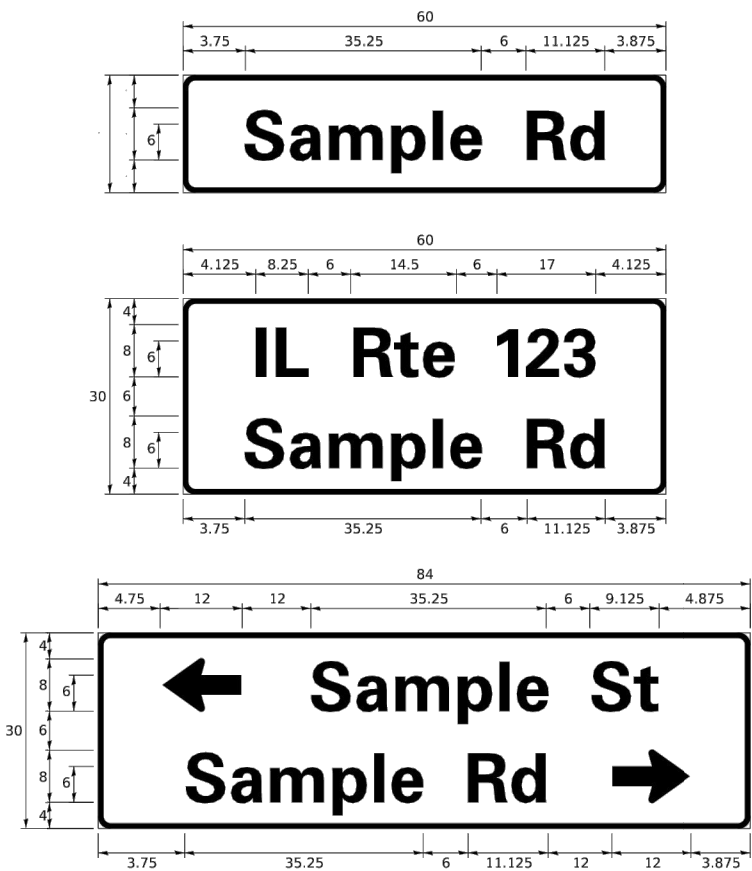
USER NAME = leysa	DESIGNED -	REVISED - C. JUCIUS 02-15-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		DRIVEWAY ENTRANCE SIGNING			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED -			SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.			TC-26				
PLOT DATE = 8/6/2021	CHECKED -	REVISED -						CONTRACT NO. ILLINOIS FED. AID PROJECT				
	DATE -	REVISED -										

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PLOT SCALE = AS NOTED	DRAWN -- BF/YJ	REVISED --
PLOT DATE = 3/22/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

DETAILS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: AS NOTED	SHEET 92A OF 132 SHEETS	4051	22-00134-00-TL	MCHENRY	132	92A
STA. TO STA.		CONTRACT NO. 61K35				
ILLINOIS FED. AID PROJECT						

SIGN PANEL – TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D OR C	-	1 OR 2	ZZ	-

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVIATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Cir	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

USER NAME = footemj	DESIGNED - LP/JP	REVISED - LP 07/01/2015
PLOT SCALE = 50.0000' / in.	DRAWN - LP	REVISED -
PLOT DATE = 3/4/2019	CHECKED - JP	REVISED -
	DATE - 10/01/2014	REVISED -

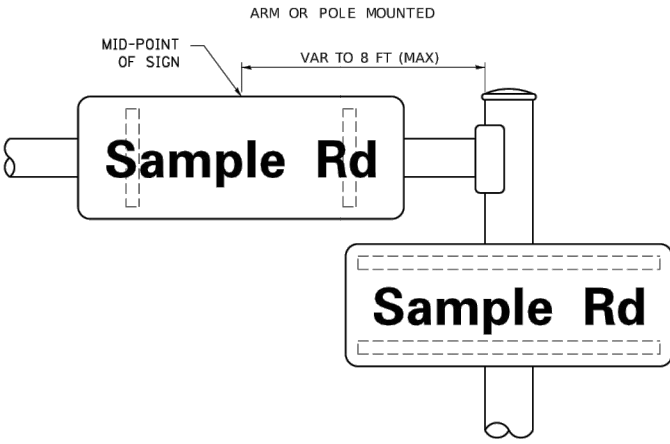
GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" X 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
- THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8'-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- SIGNIFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

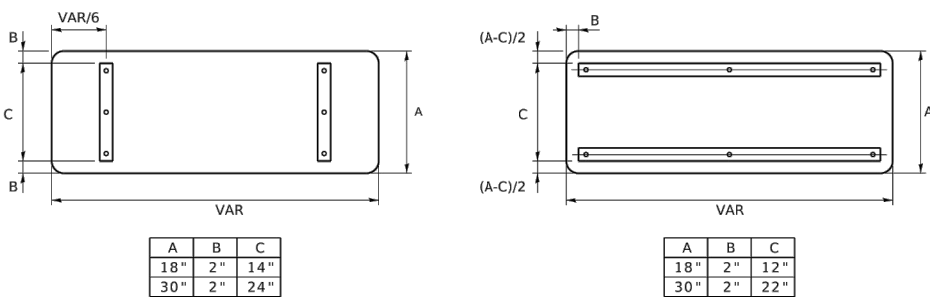
- LOCAL SUPPLIERS:**
 - J.O. HERBERT COMPANY, INC
 MIDLOTHIAN, VA
 - WESTERN REMAC, INC.
 WOODRIDGE, IL
- PARTS LISTING:**
 SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
 SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
 SELF TAPPING WITH NEOPRENE WASHER
 PART #HPN034 (UNIVERSAL)
 BRACKETS CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATION



SUPPORTING CHANNELS



STANDARD ALPHABETS SPACING CHART

(8") UPPER CASE AND (6") LOWER CASE

CHARACTER	FHWA SERIES "C"			FHWA SERIES "D"			
	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
 MAST ARM MOUNTED STREET NAME SIGNS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS-02			
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

USER NAME = BF/YJ	DESIGNED -- VL	REVISED --
PLOT SCALE = AS NOTED	DRAWN -- BF/YJ	REVISED --
PLOT DATE = 2/15/24	CHECKED --	REVISED --
	DATE -- 03/01/23	REVISED --

DETAILS

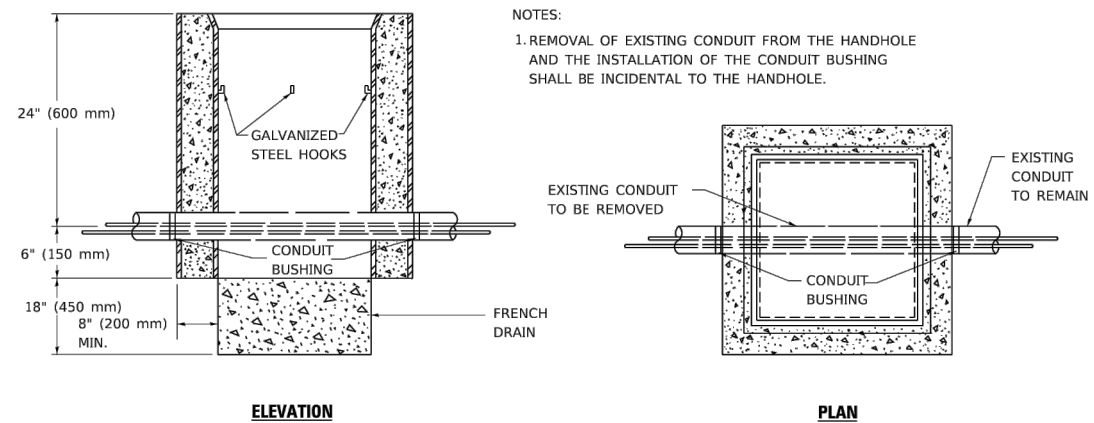
SCALE: AS NOTED	SHEET 93	OF 129 SHEETS	STA. TO STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	93
CONTRACT NO. 61K35				
ILLINOIS FED. AID PROJECT				

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NOTES:
 1. REMOVAL OF EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHING SHALL BE INCIDENTAL TO THE HANDHOLE.

ELEVATION

PLAN

DETAIL

HANDHOLE TO INTERCEPT EXISTING CONDUIT

USER NAME = foeternj	DESIGNED -	REVISED - 10-01-00
	DRAWN -	REVISED -
PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

HANDHOLE TO INTERCEPT EXISTING CONDUIT

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	94
TS-03		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

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 ILLINOIS DESIGN FIRM NO. 144-03395
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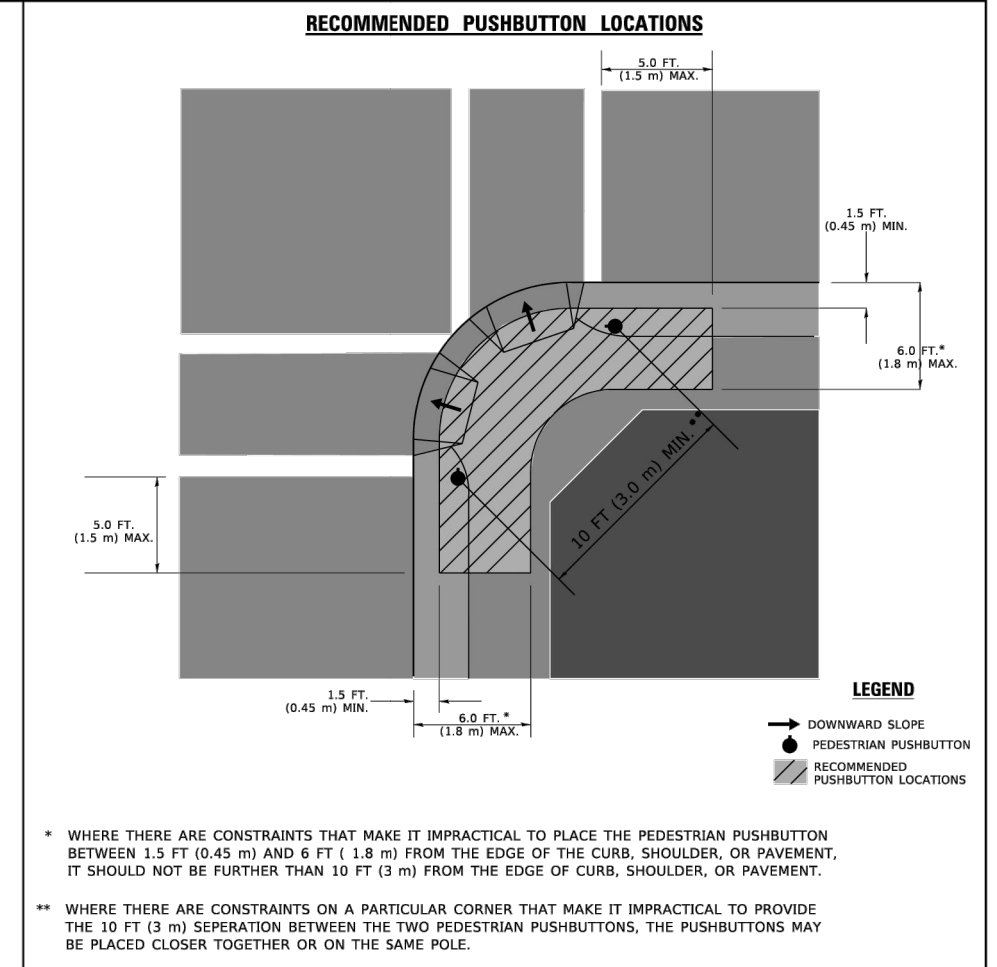
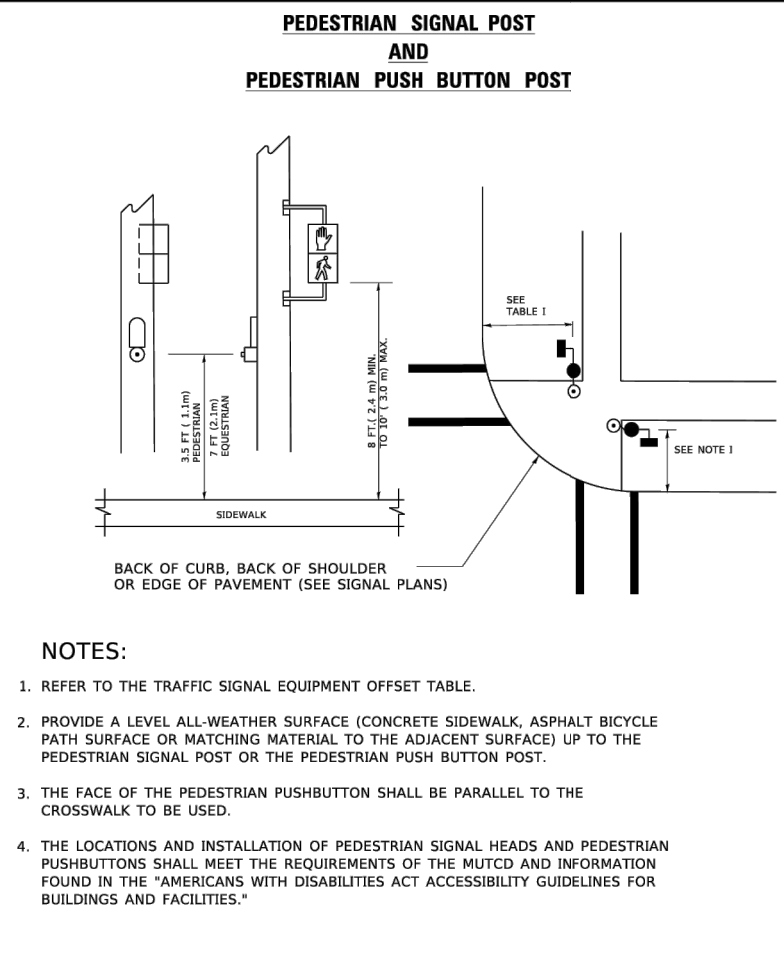
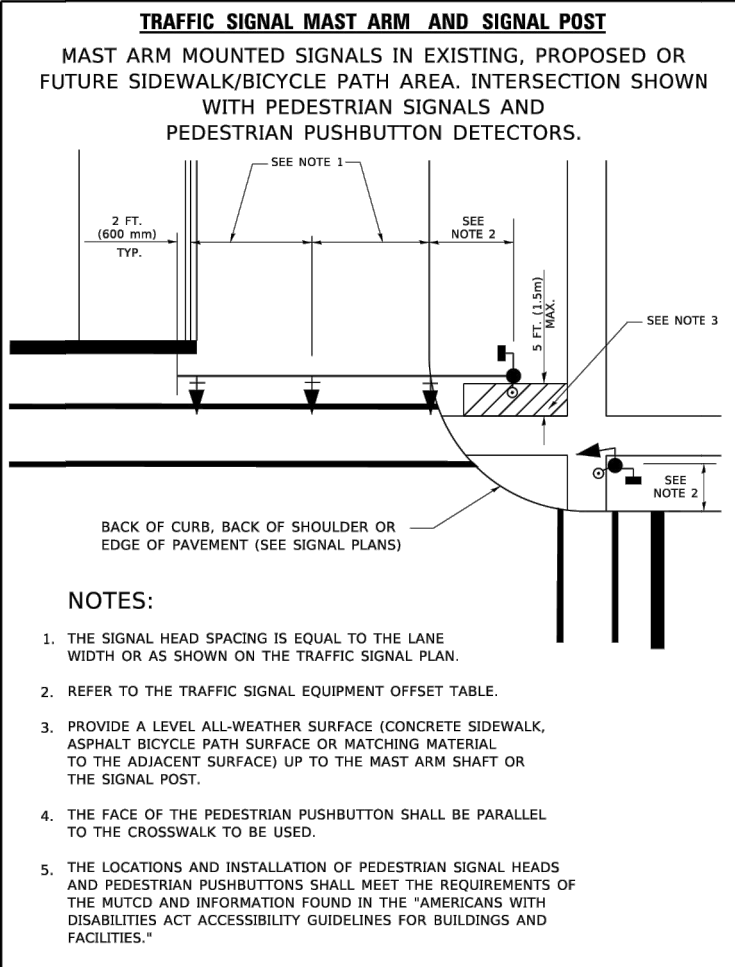
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PLOT DATE = 2/15/24	DATE - 03/01/23	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DETAILS

SCALE: AS NOTED SHEET 94 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	94
		CONTRACT NO. 61K35		
ILLINOIS FED. AID PROJECT				



NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

USER NAME = footemj	DESIGNED -	REVISED -
PLOT SCALE = 50.0000' / 1 in.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 3 OF 7 SHEETS STA. TO STA.

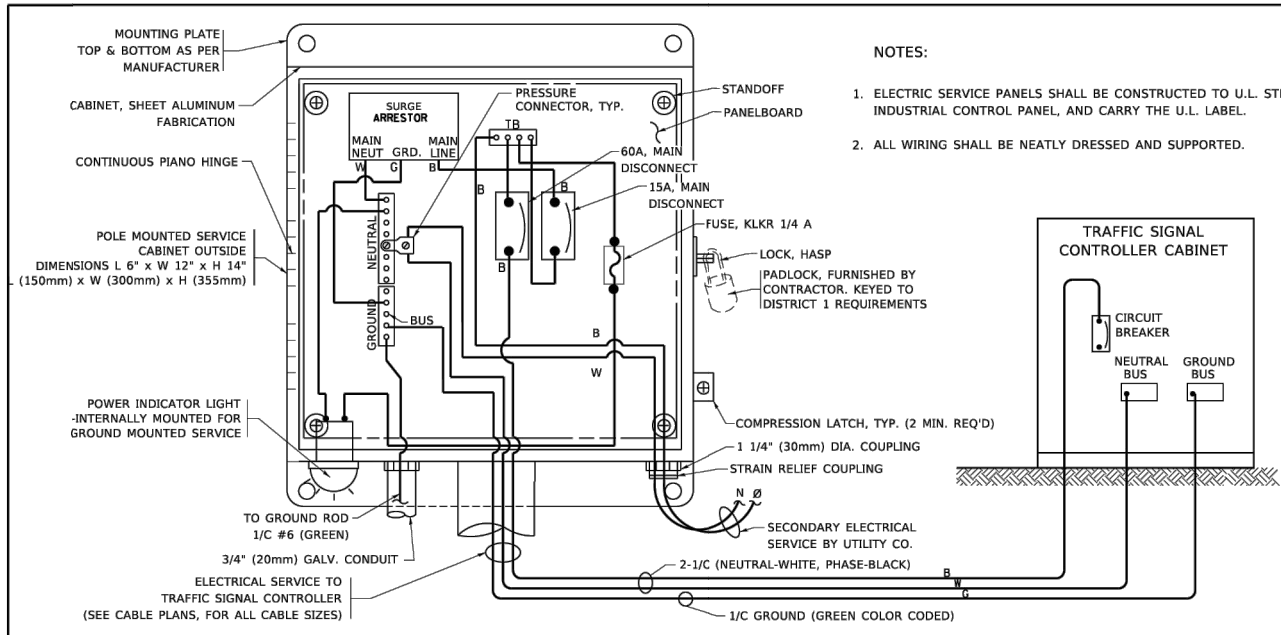
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ILLINOIS FED. AID PROJECT				

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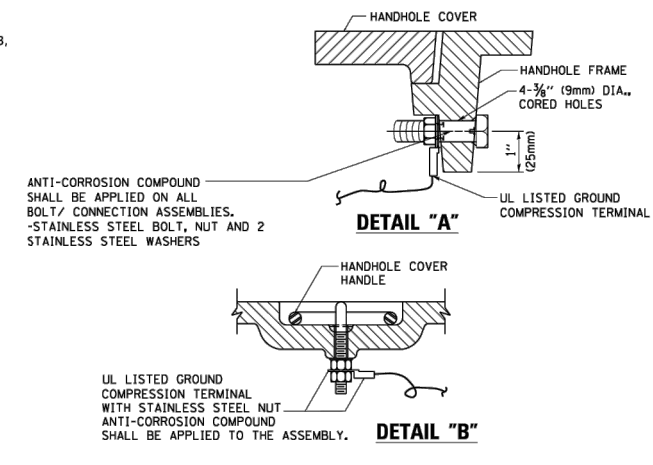
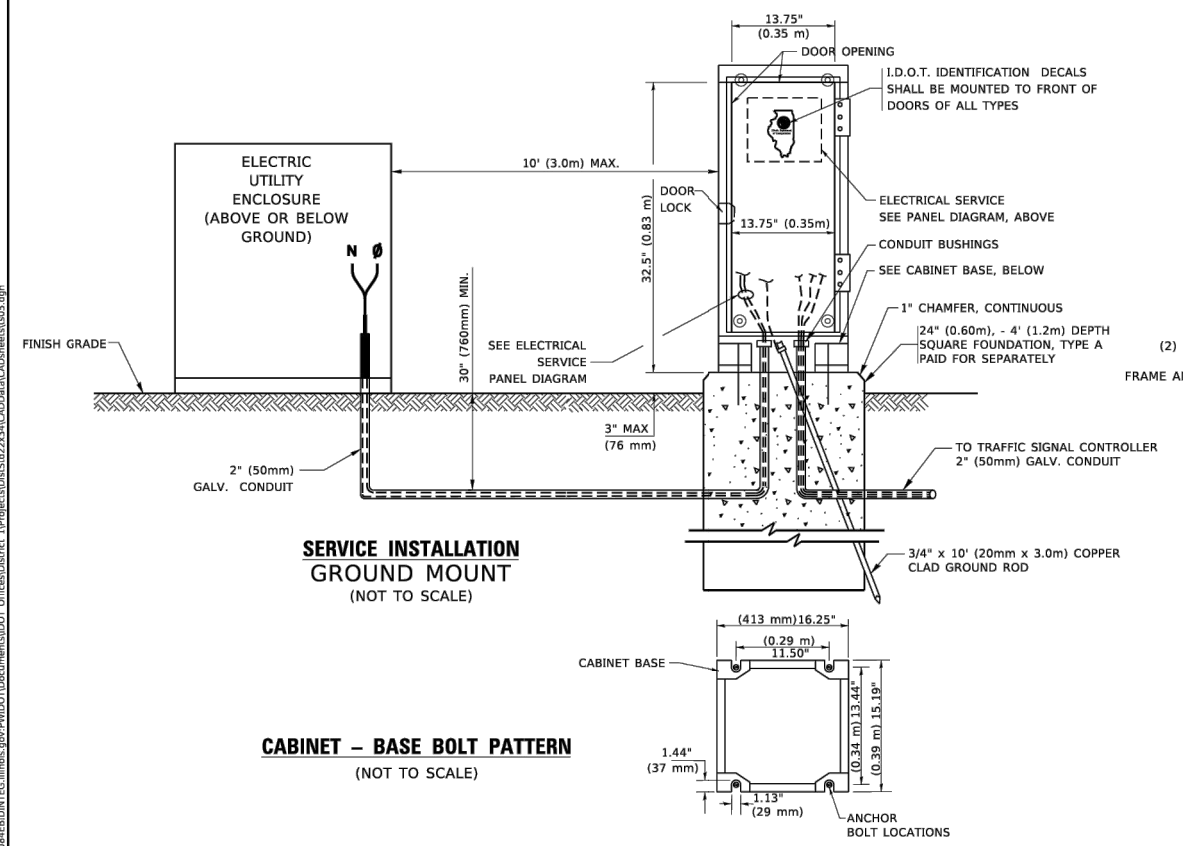
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PLOT SCALE = AS NOTED	DRAWN - BF/YJ	REVISED -
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	DATE - 03/01/23	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	96
CONTRACT NO. 61K35		ILLINOIS FED. AID PROJECT		



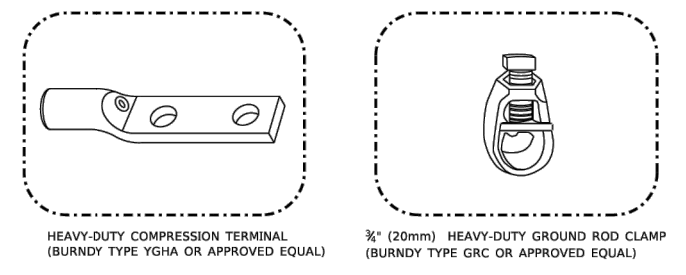
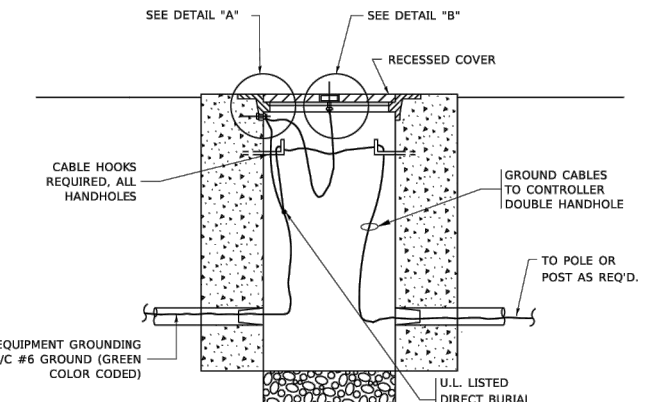
ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)



NOTES:

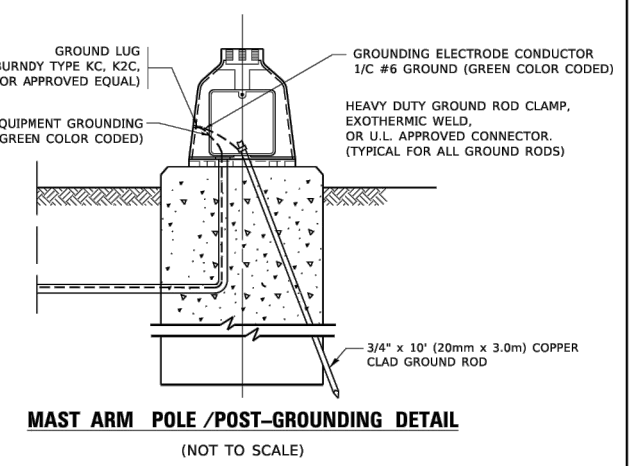
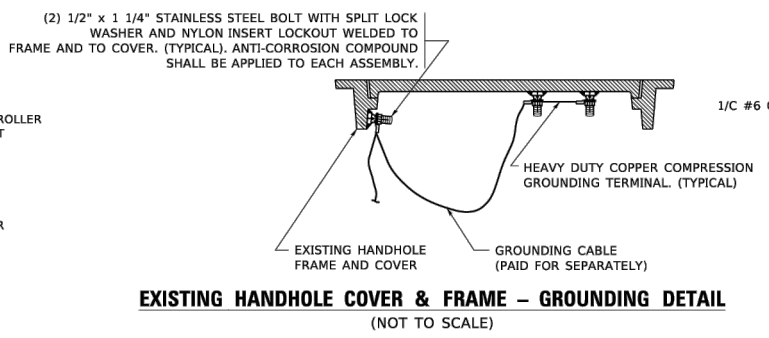
GROUNDING SYSTEM

- THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
- THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
- ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
- THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



NOTES:

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



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PLOT DATE = 3/4/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS
 SCALE: NONE SHEET 4 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	97
CONTRACT NO.				61K35
ILLINOIS FED. AID PROJECT				

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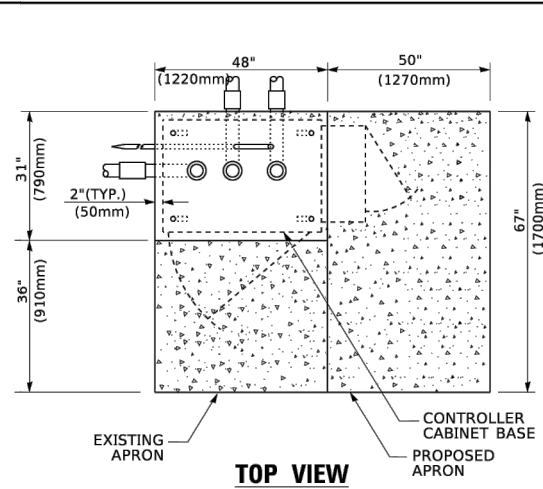
FEHR GRAHAM
 ENGINEERING & ENVIRONMENTAL
 ILLINOIS DESIGN FIRM NO. 144-00305
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USER NAME = BF/YJ	DESIGNED - VL	REVISED -
PLOT SCALE = AS NOTED	DRAWN - BF/YJ	REVISED -
PLOT DATE = 2/15/24	CHECKED -	REVISED -
	DATE - 03/01/23	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

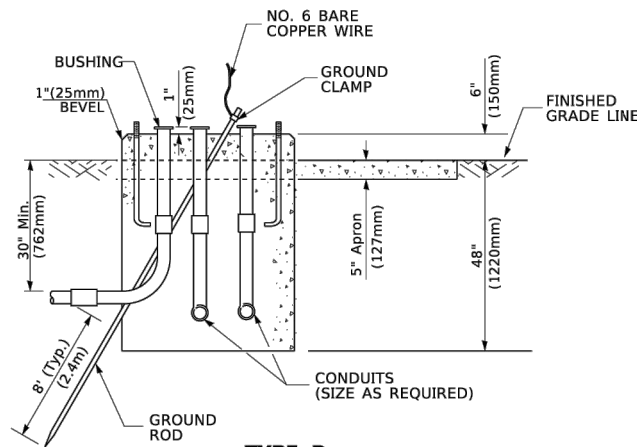
DETAILS
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	97
CONTRACT NO.				61K35
ILLINOIS FED. AID PROJECT				

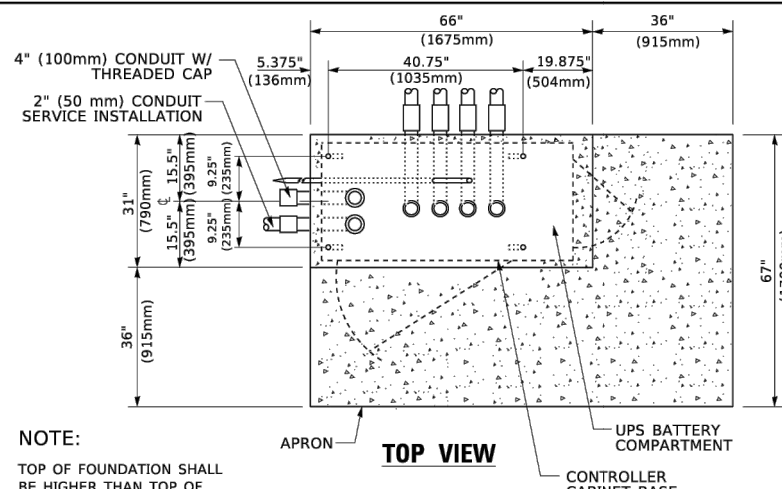


EXISTING APRON
CONTROLLER CABINET BASE
PROPOSED APRON

TOP VIEW

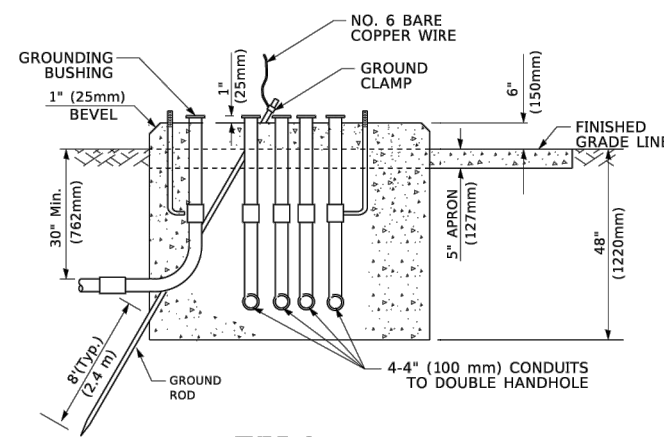


**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

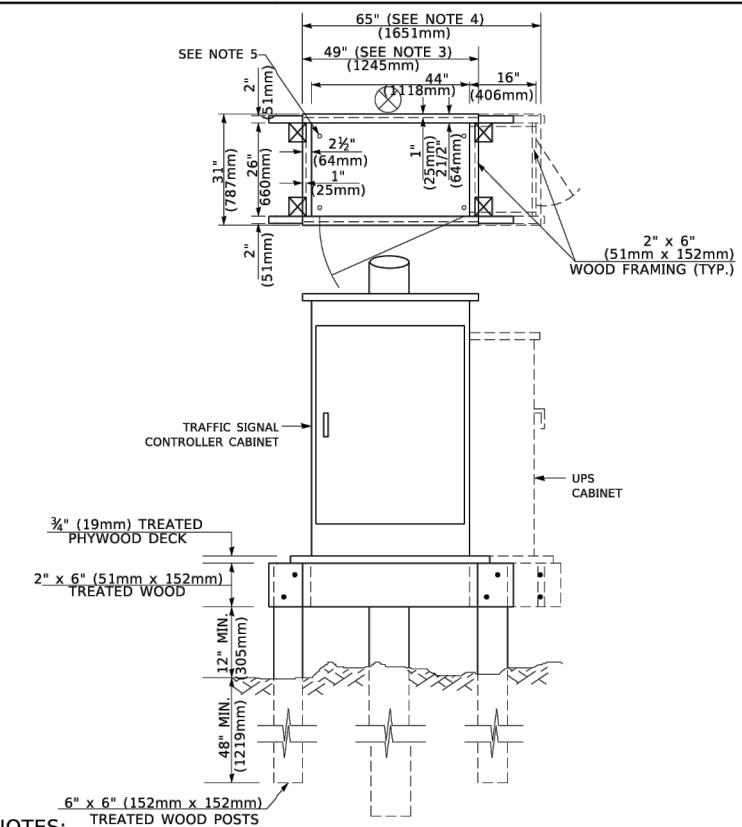


NOTE:
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE

TOP VIEW



**TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS**



- NOTES:**
- BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
 - BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
 - PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
 - PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
 - DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
 - FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

MAST ARM LENGTH	FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and up to 56' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

- These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average unconfined compressive strength (qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
- Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
- Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
- For mast arm assemblies with dual arms refer to state standard 878001.

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

USER NAME = foftern	DESIGNED -	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - BF/YJ	REVISED -
PLOT DATE = 3/4/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE	
STANDARD TRAFFIC SIGNAL DESIGN DETAILS	
SCALE: NONE	SHEET 5 OF 7 SHEETS STA. TO STA.

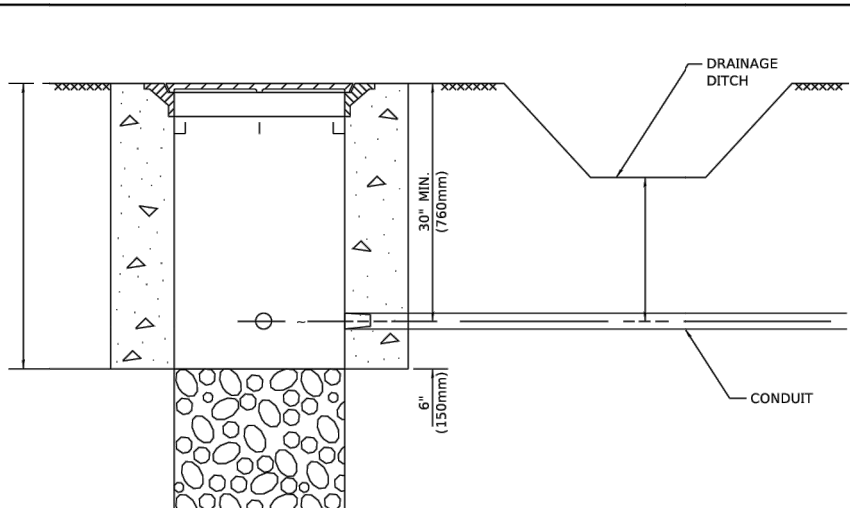
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TS-05				
CONTRACT NO.		ILLINOIS FED. AID PROJECT		

USER NAME = BF/YJ	DESIGNED - VL	REVISED -
PLOT SCALE = AS NOTED	DRAWN - BF/YJ	REVISED -
PLOT DATE = 2/15/24	CHECKED -	REVISED -
	DATE - 03/01/23	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS	
SCALE: AS NOTED	SHEET 98 OF 129 SHEETS STA. TO STA.

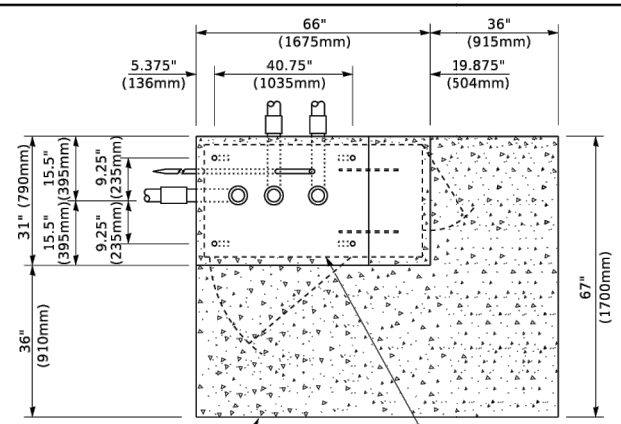
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	98
CONTRACT NO. 61K35		ILLINOIS FED. AID PROJECT		



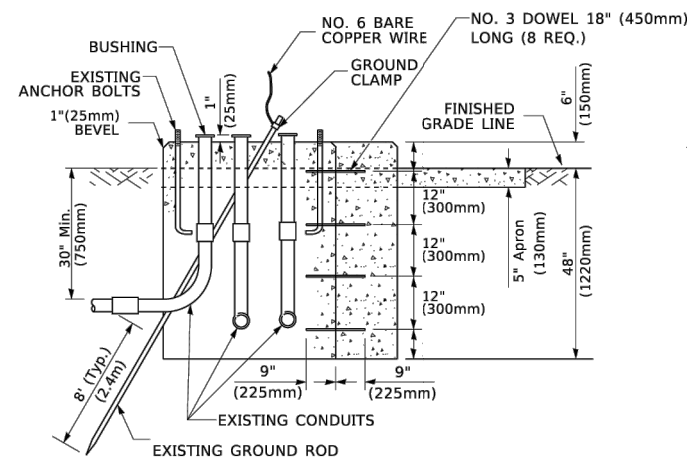
NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

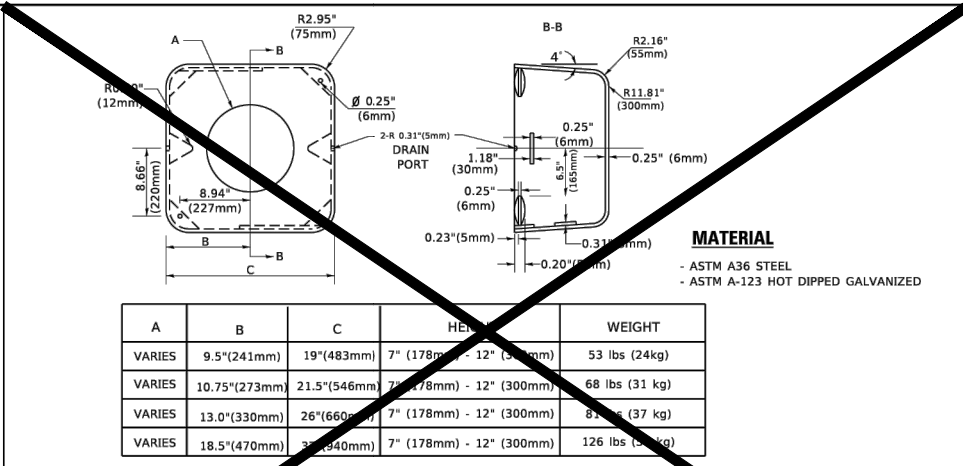
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



TOP VIEW
(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)



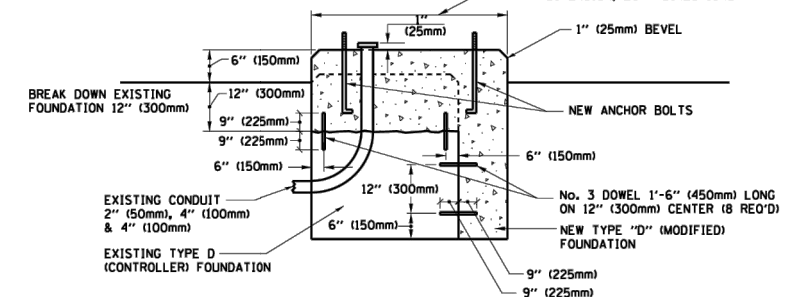
SHROUD

NOTES:

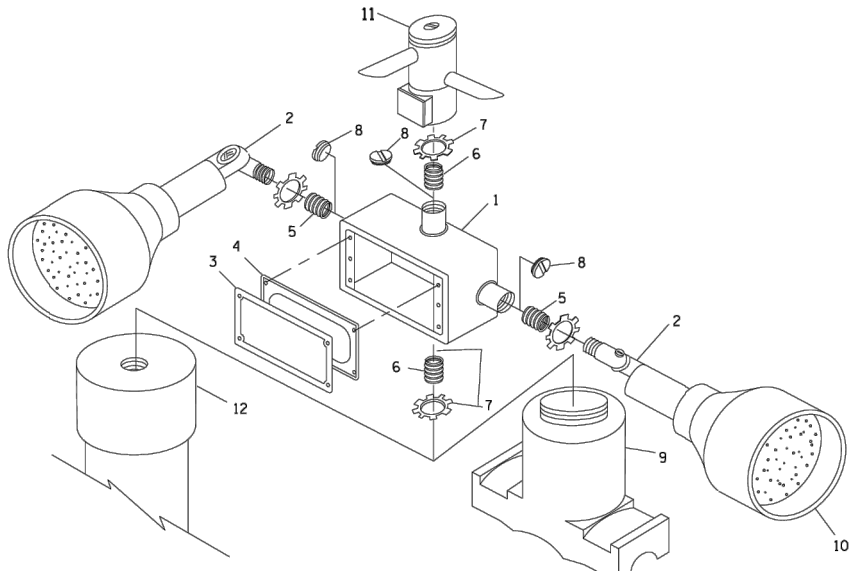
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SHOPPER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION

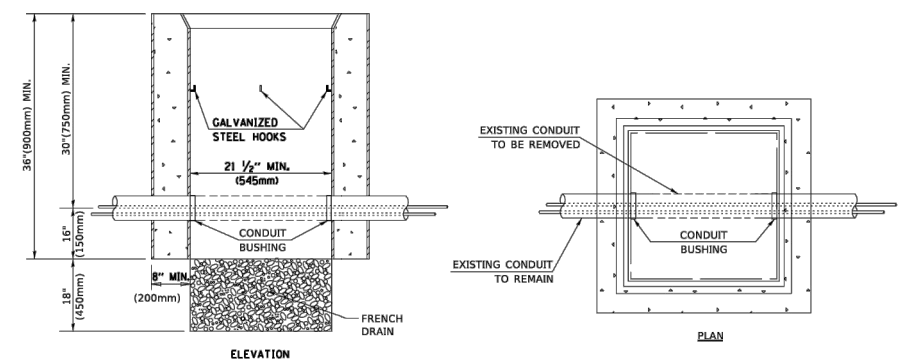


POST CAP MOUNT MAST ARM MOUNT EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



HANDHOLE TO INTERCEPT EXISTING CONDUIT

NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

MODEL: D:\mch\... FILE NAME: p:\1104\BEBD\NTEG\Illinois\gov\FW\DOT\Documents\DOT-Office\District-1\Projects\District5\22-071\Plans\22-071.dgn

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PLOT SCALE = 50.0000' / in.	DRAWN - BF/YJ	REVISED -
PLOT DATE = 3/4/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS-05			
CONTRACT NO.			ILLINOIS FED. AID PROJECT	

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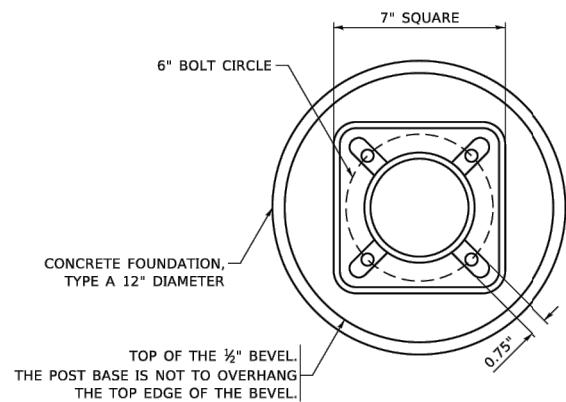
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ILLINOIS DESIGN FIRM NO. 144-00305
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USER NAME = BF/YJ	DESIGNED - VL	REVISED -
PLOT SCALE = AS NOTED	DRAWN - BF/YJ	REVISED -
PLOT DATE = 2/15/24	CHECKED -	REVISED -
	DATE - 03/01/23	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DETAILS
SCALE: AS NOTED SHEET 99 OF 129 SHEETS STA. TO STA.

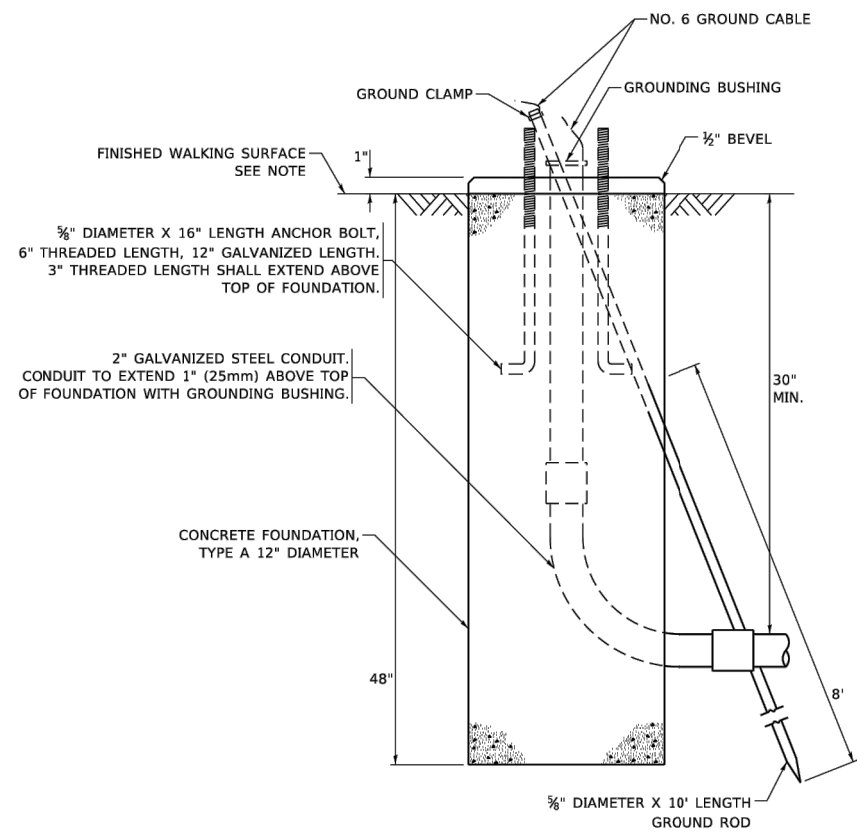
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	99
CONTRACT NO. 61K35			ILLINOIS FED. AID PROJECT	



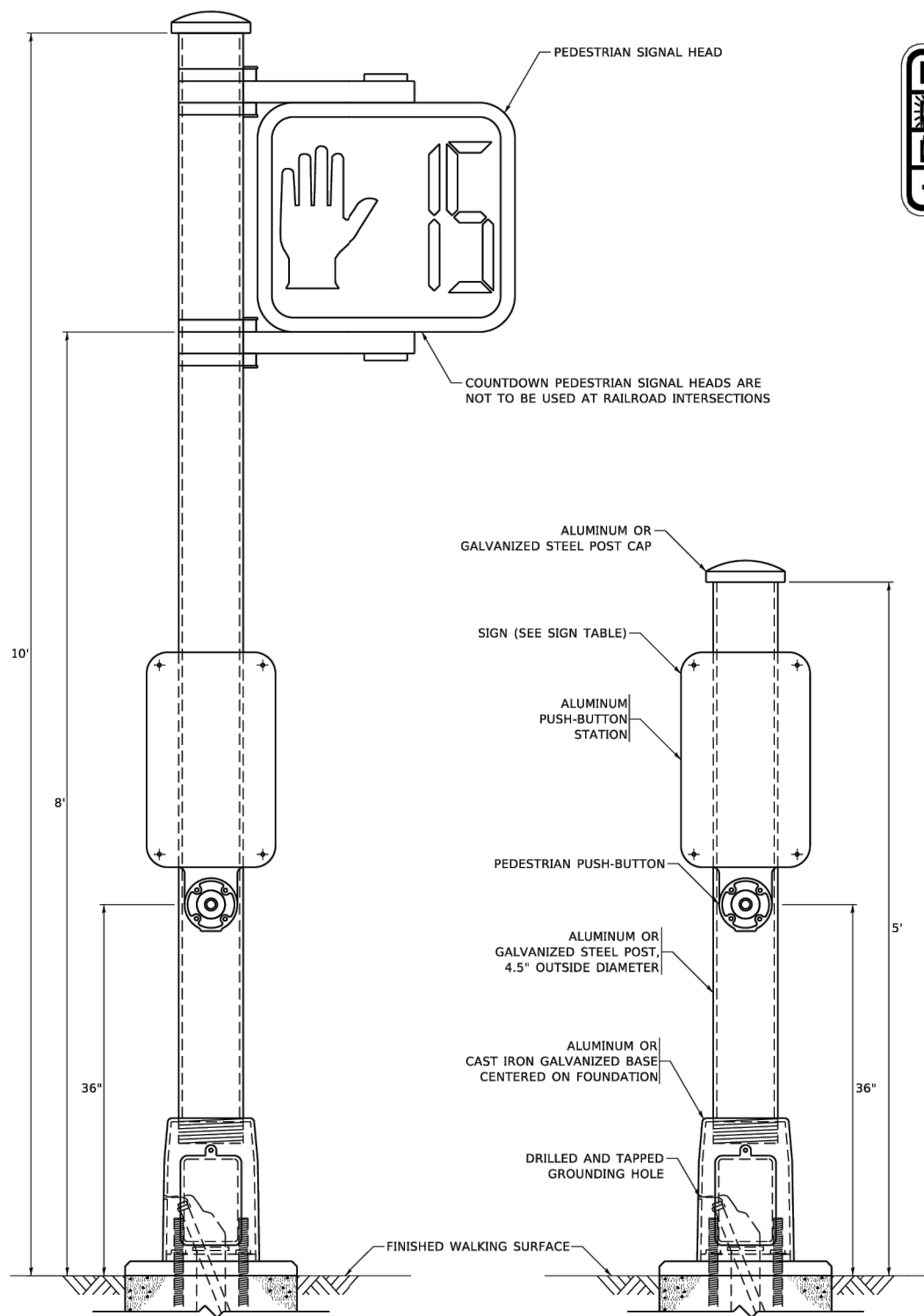
BOLT PATTERN

NOTE:

1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.

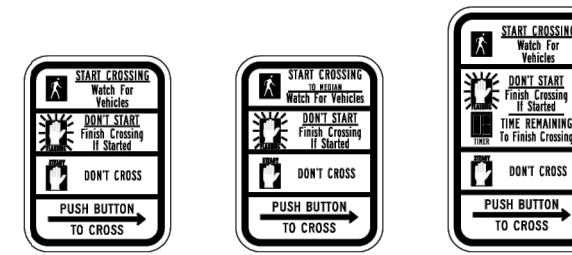


**CONCRETE FOUNDATION,
TYPE A 12-INCH DIAMETER**



PEDESTRIAN SIGNAL POST, 10 FT.

PEDESTRIAN SIGNAL POST, 5 FT.



R10-3b

R10-3d

R10-3e

SIGN TABLE

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 12"

NOTES:

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. THE ARROW ON SIGNS FOR PUSH-BUTTONS SERVING TWO DIRECTIONS ON THE SAME PHASE SHALL BE BI-DIRECTIONAL.
3. THE SIGN FOR DUAL-CALL PUSH-BUTTONS SHALL HAVE NO ARROW.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS-05			
CONTRACT NO.			ILLINOIS FED. AID PROJECT	

SCALE: NONE SHEET 7 OF 7 SHEETS STA. TO STA.

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USER NAME = BF/YJ	DESIGNED - VL	REVISED -
PLOT SCALE = AS NOTED	DRAWN - BF/YJ	REVISED -
PLOT DATE = 2/15/24	CHECKED -	REVISED -
	DATE - 03/01/23	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS

SCALE: AS NOTED SHEET 100 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	100
CONTRACT NO. 61K35			ILLINOIS FED. AID PROJECT	

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

	1	5	5	8	8	11	11	14	18	18	22	22	26	26	PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	CLEAR TO NORMAL SEQUENCE																					
CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	1U	1V	1W	1X	1Y	1Z	1AA	1BB	1CC	1DD	1EE	1FF	2	3						
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2 OR 3	1C	2	1E	1F	3	1H	2	1K	1L	3	2	1P	1Q	3	2 OR 3	1T	1U	2	1W	3	1Y	1Z	2	1BB	3	1DD	1EE	2	3			◇					
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2 OR 3	1C	2	1E	1F	3	1H	2	1K	1L	3	2	1P	1Q	3	2 OR 3	1T	1U	2	1W	3	1Y	1Z	2	1BB	3	1DD	1EE	2	3			◇					
MAIN STREET END MAST ARM AND FAR LEFT SIGNALS	R ←Y	R	R	R	R	R	R	G ←G	G ←Y	G ←G	Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◇				
MAIN STREET FAR RIGHT SIGNAL	R	R	R	R	R	R	R	G	G	G	Y	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◇			
MAIN STREET END MAST ARM AND FAR LEFT SIGNALS	R ←Y	G ←G	G ←Y	G ←G	Y	R	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◇			
MAIN STREET FAR RIGHT SIGNAL	R	G	G	G	Y	R	R	R	R	R	R	R	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◇			
CROSS STREET END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◇	
CROSS STREET FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◇	
CROSS STREET END MAST ARM AND FAR LEFT SIGNALS	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◇
CROSS STREET FAR RIGHT SIGNAL	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	◇
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON NORTHSIDE OF MAIN STREET	H	FH	H	FH	H	H	H	H	H	H	H	H	FH	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◇
PEDESTRIAN SIGNALS CROSSING CROSS STREET ON SOUTHSIDE OF MAIN STREET	H	H	H	H	H	H	FH	H	FH	H	H	FH	FH	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	◇
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON EASTSIDE OF CROSS STREET	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	FH	H	H	FH	H	H	H	H	H	H	FH	H	H	FH	H	H	H	H	H	H	◇	
PEDESTRIAN SIGNALS CROSSING MAIN STREET ON WESTSIDE OF CROSS STREET	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	H	FH	H	H	FH	H	H	H	H	H	H	◇	

◇ EMERGENCY VEHICLE SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY INTERVAL AFTER EMERGENCY VEHICLE 2 OR 3 IS TERMINATED.

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PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED -		SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.				TS-08 CONTRACT NO.				
PLOT DATE = 3/4/2019	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT								
PLOT DATE = 3/4/2019	DATE -	REVISED -										

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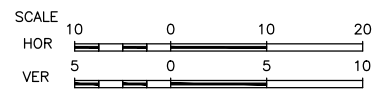
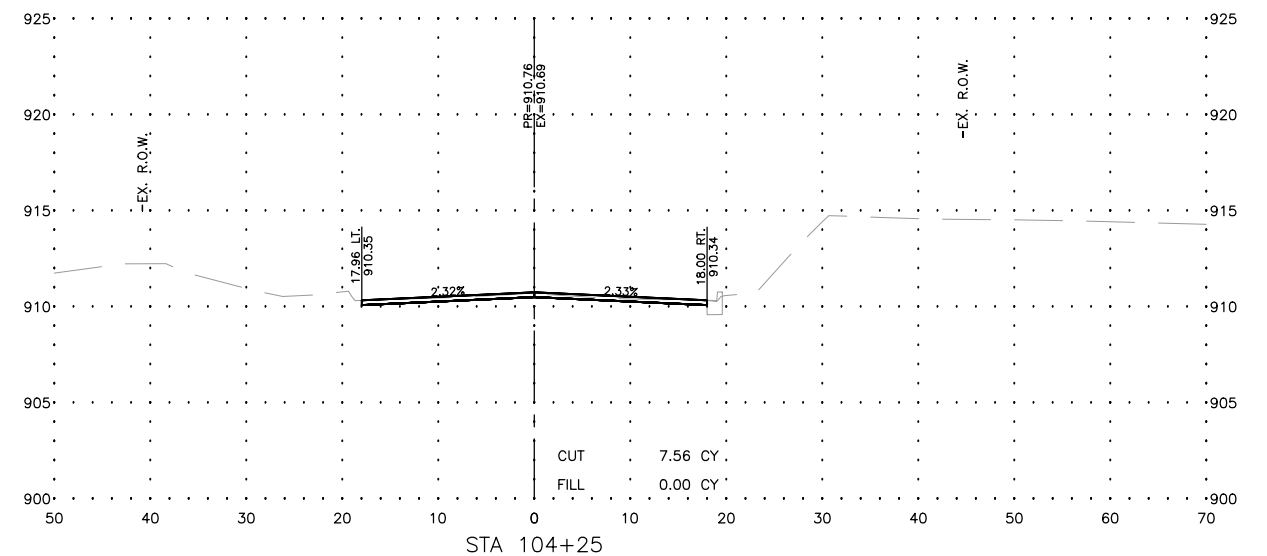
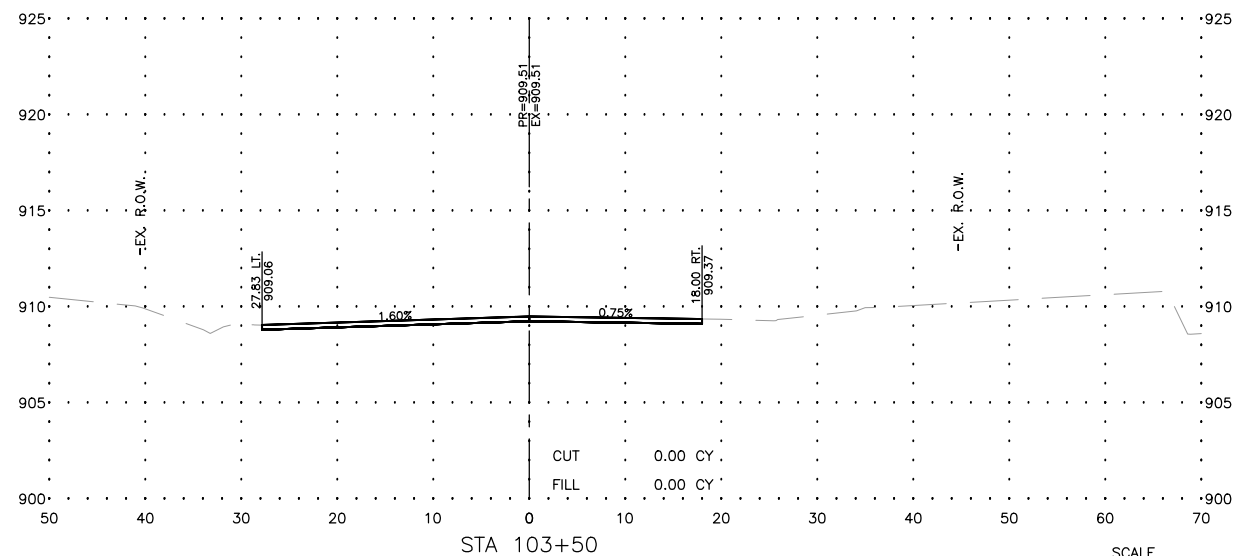
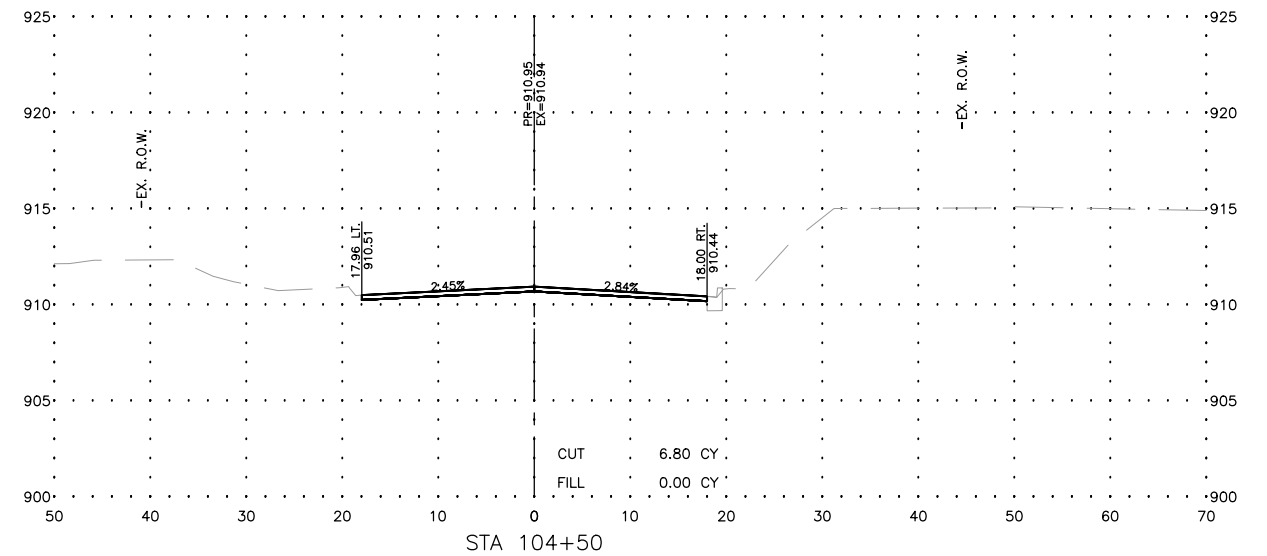
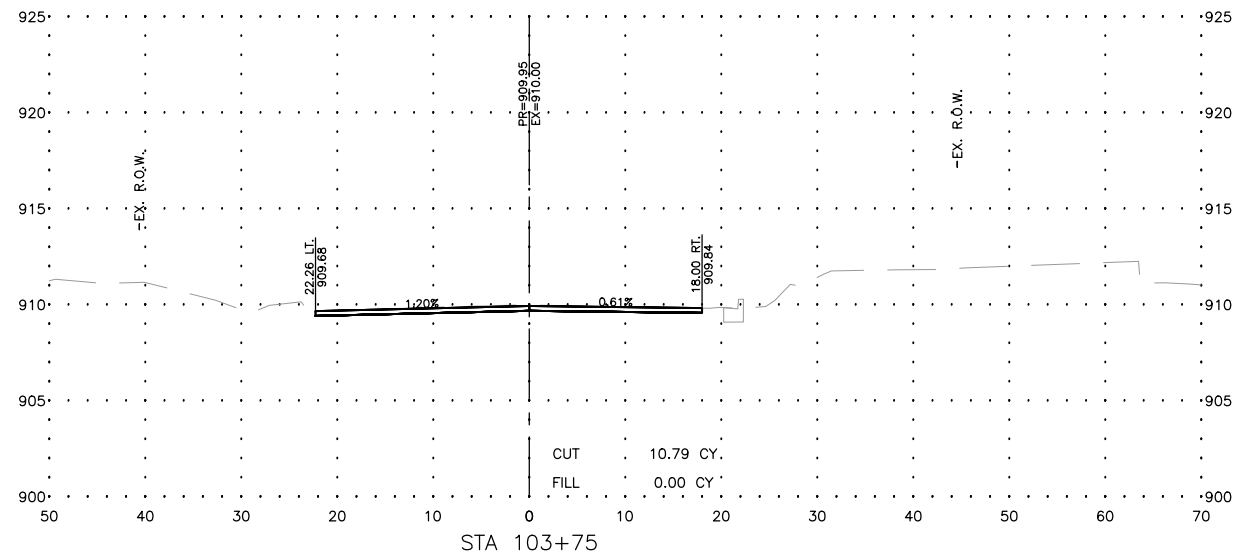
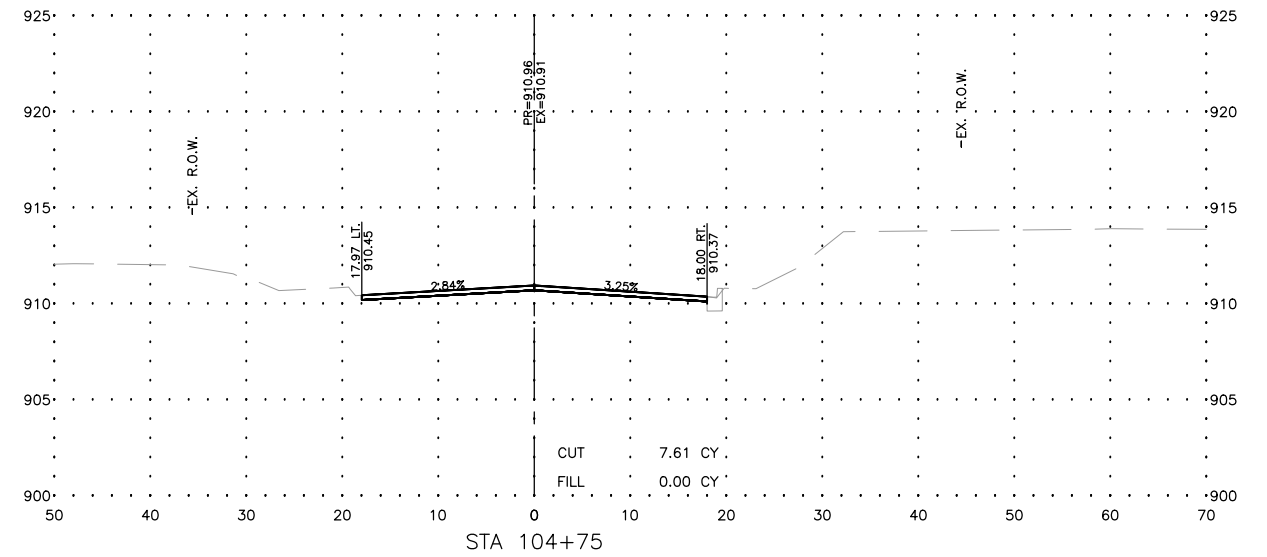
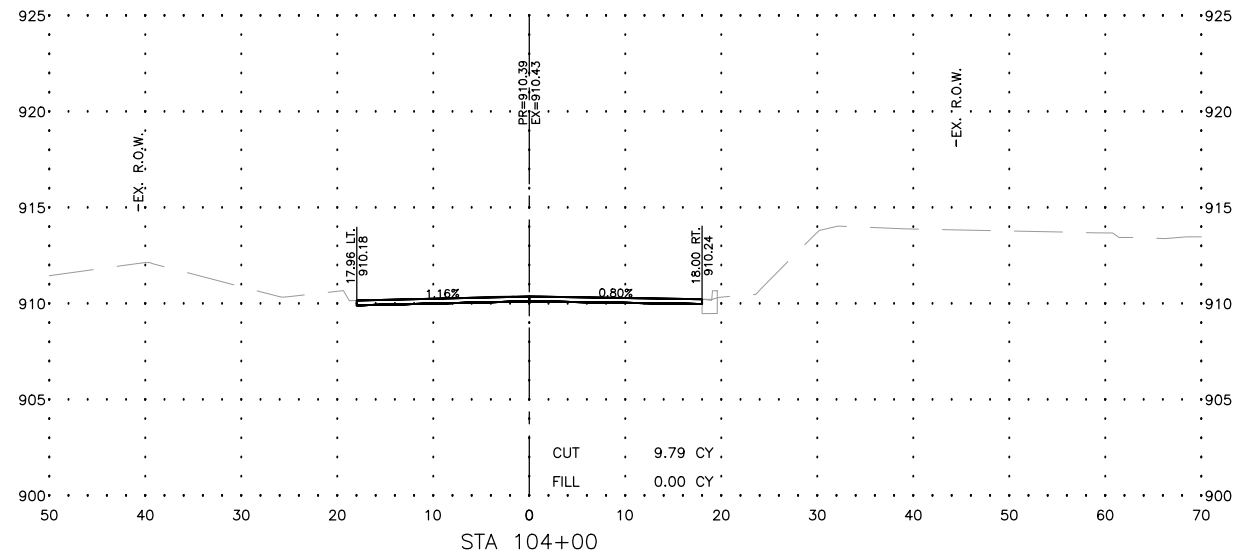
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PLOT DATE = 2/15/24	CHECKED -	REVISED -
	DATE - 03/01/23	REVISED -



DETAILS			
SCALE: AS NOTED	SHEET 102	OF 129 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	102
CONTRACT NO. 61K35				
ILLINOIS FED. AID PROJECT				

MODEL: C:\3D\22-071 PH01\22-071 Corridor.dwg, OAKS X--Sec 1



USER NAME = BF/YJ
 PLOT SCALE = AS NOTED
 PLOT DATE = 2/15/24

DESIGNED -- VL
 DRAWN -- BF/YJ
 CHECKED --
 DATE -- 03/01/23

REVISED --
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 REVISED --

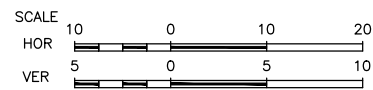
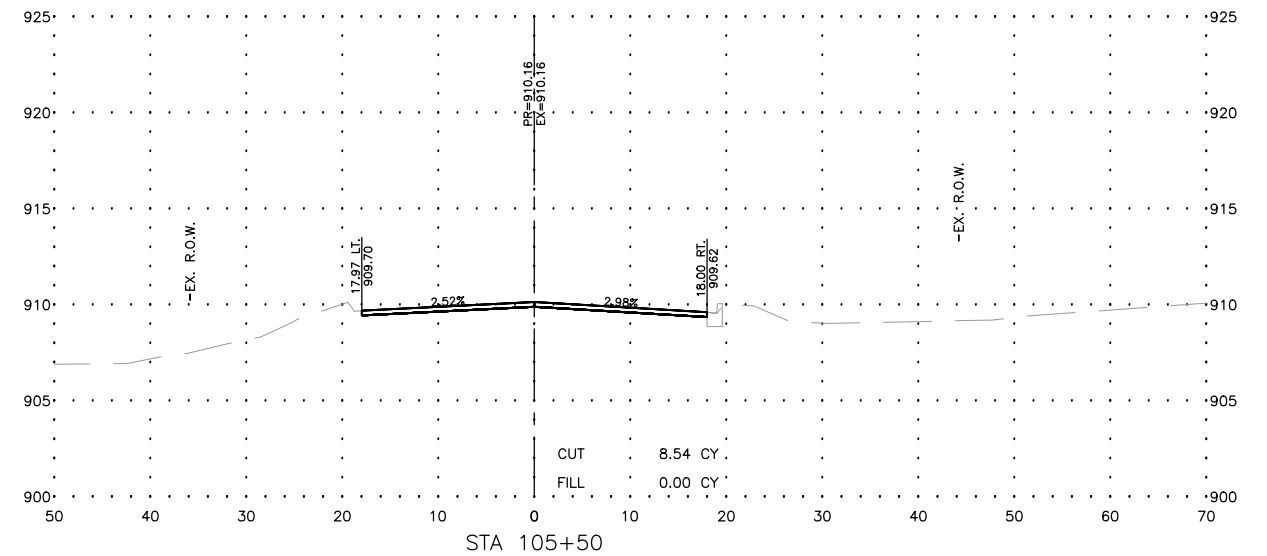
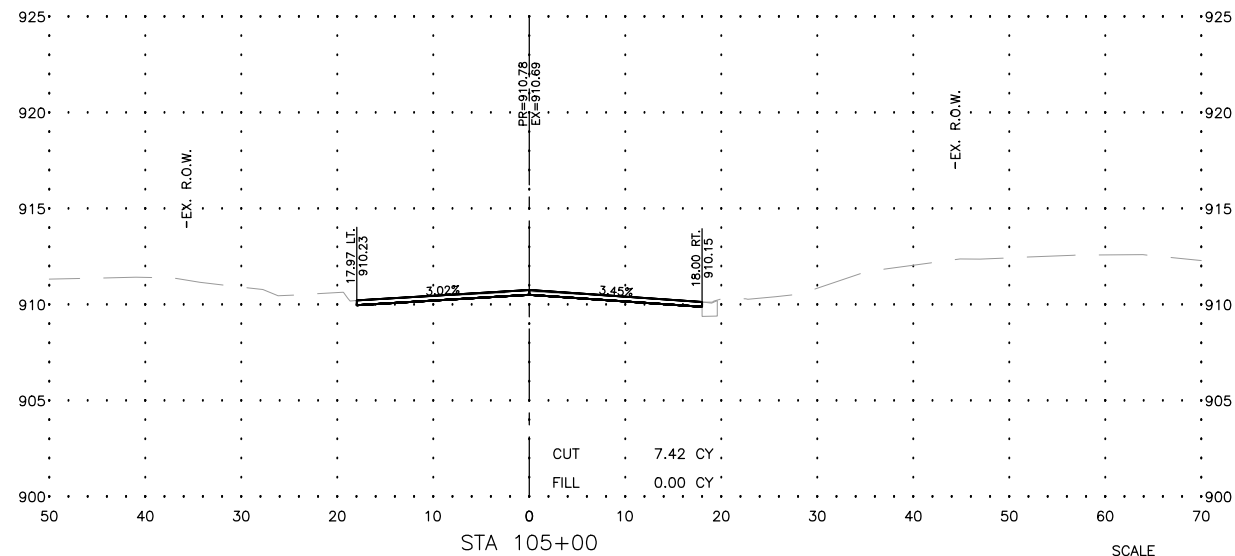
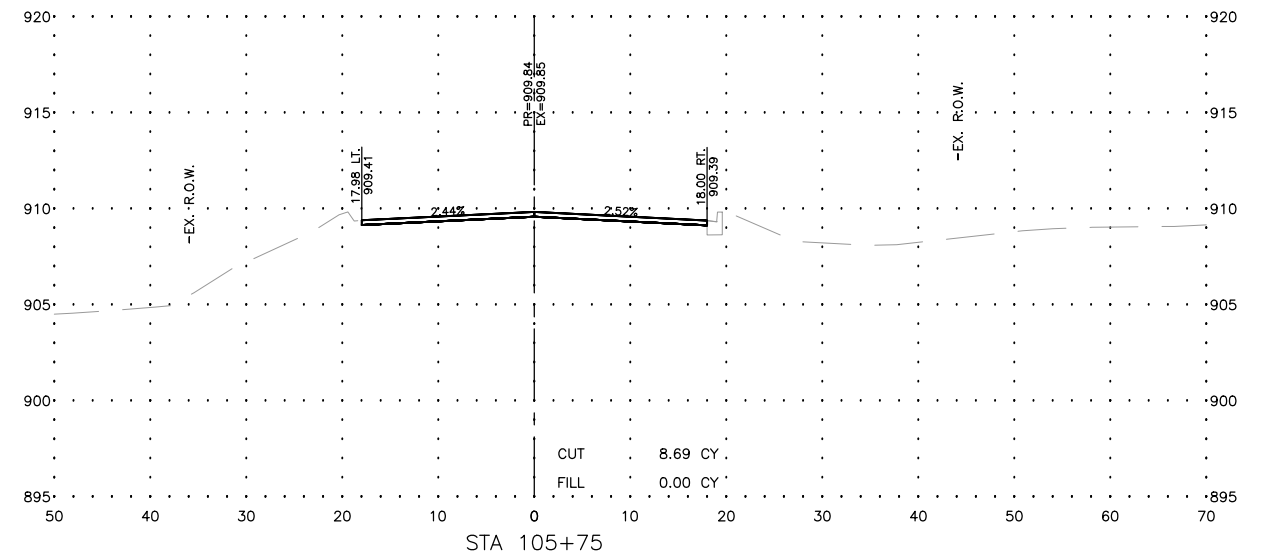
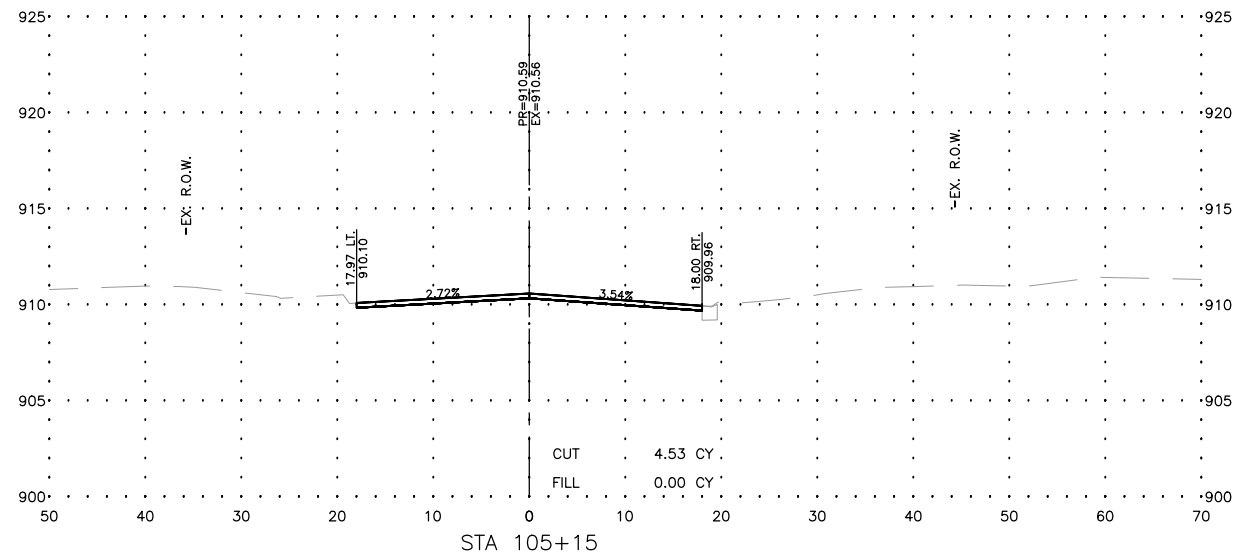
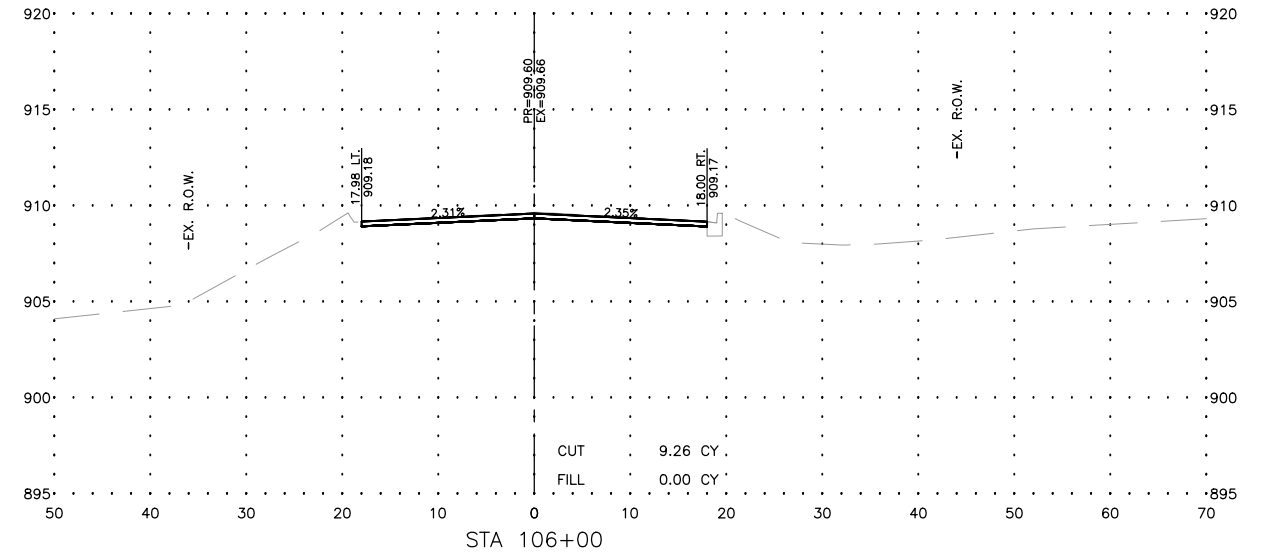
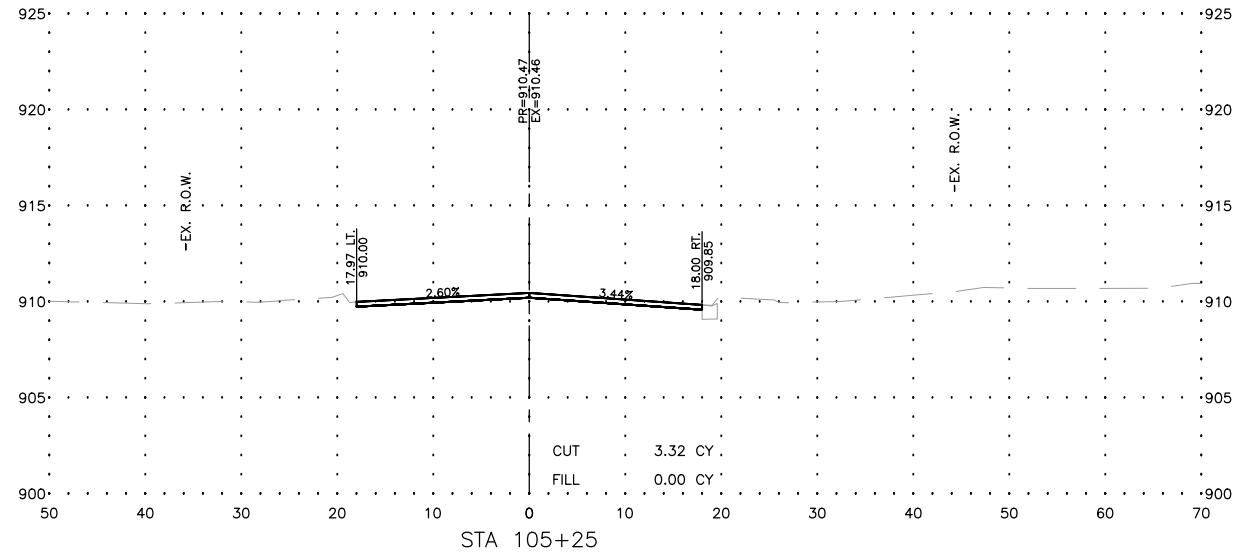
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

THREE OAKS ROAD - CROSS SECTIONS

SCALE: AS NOTED SHEET 104 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	104
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				

MODEL: C:\3D\22-071 PH01\22-071 Corridor.dwg, OAKS X--Sec 2



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ILLINOIS DESIGN FIRM NO. 144-03392
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USER NAME = BF/YJ
PLOT SCALE = AS NOTED
PLOT DATE = 2/15/24

DESIGNED -- VL
DRAWN -- BF/YJ
CHECKED --
DATE -- 03/01/23

REVISED --
REVISED --
REVISED --
REVISED --

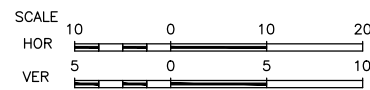
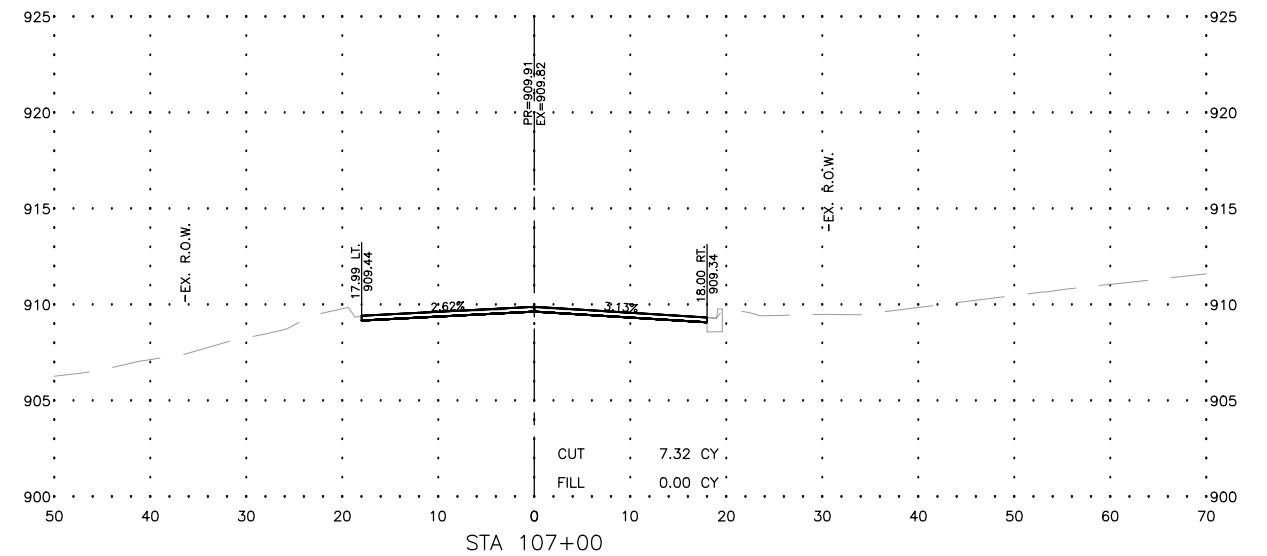
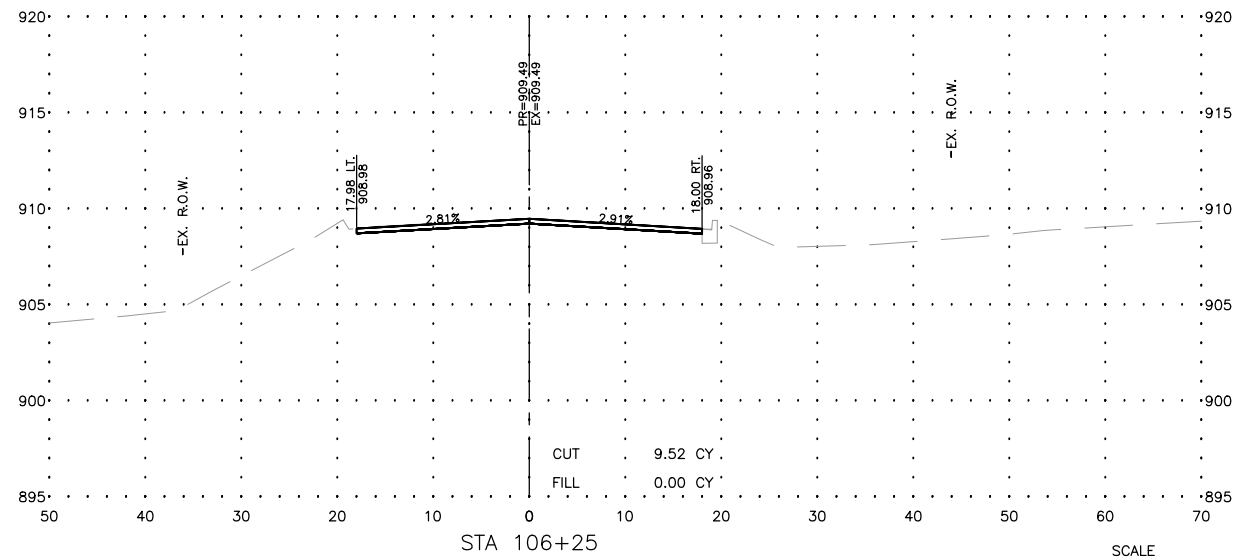
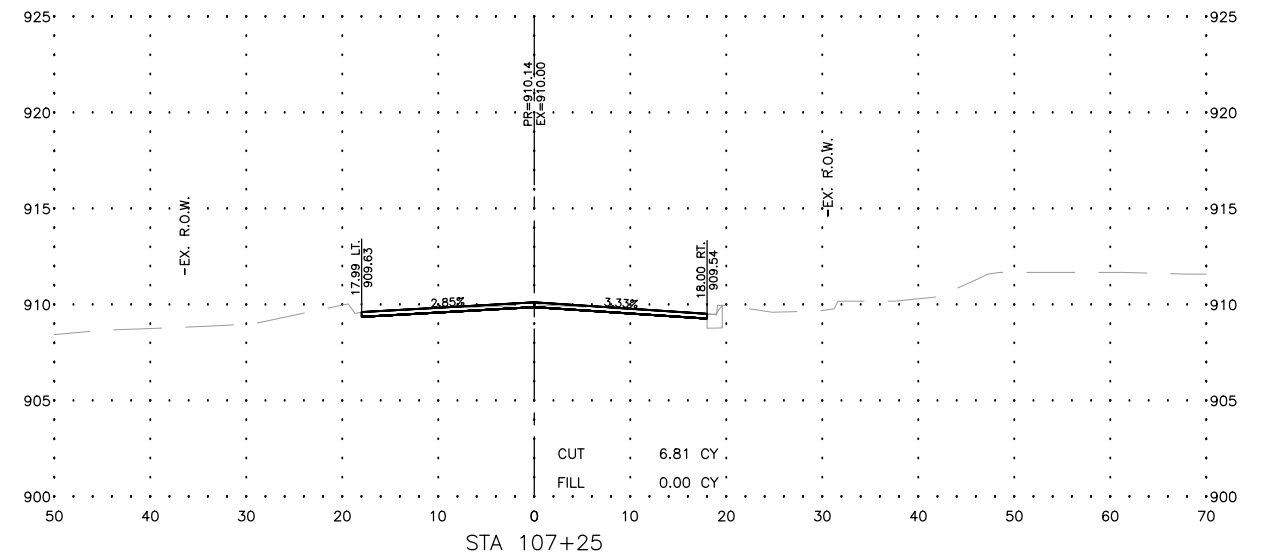
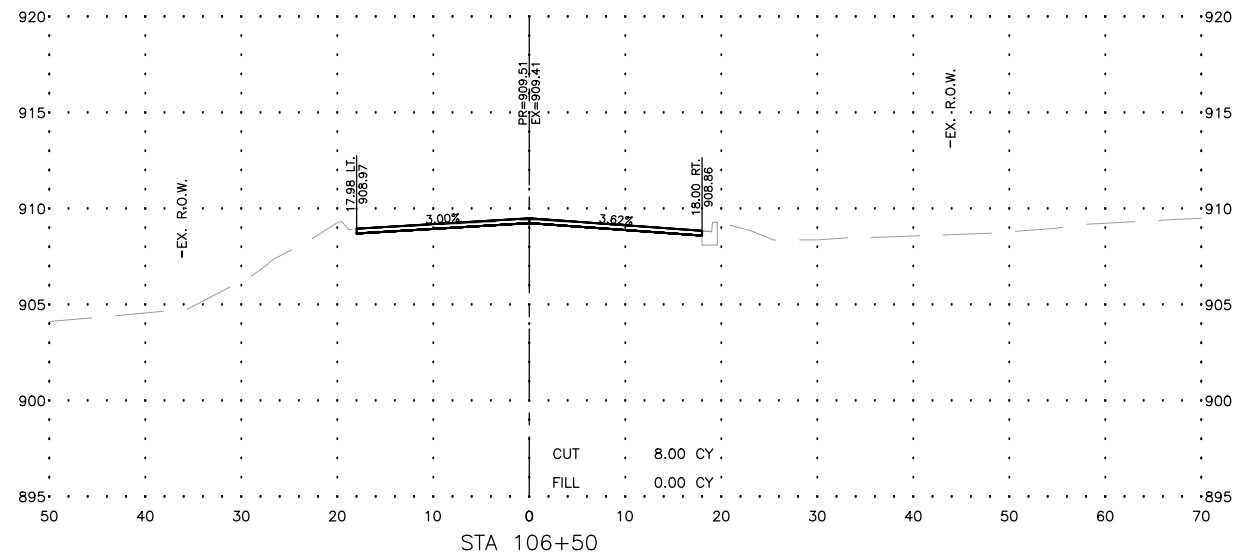
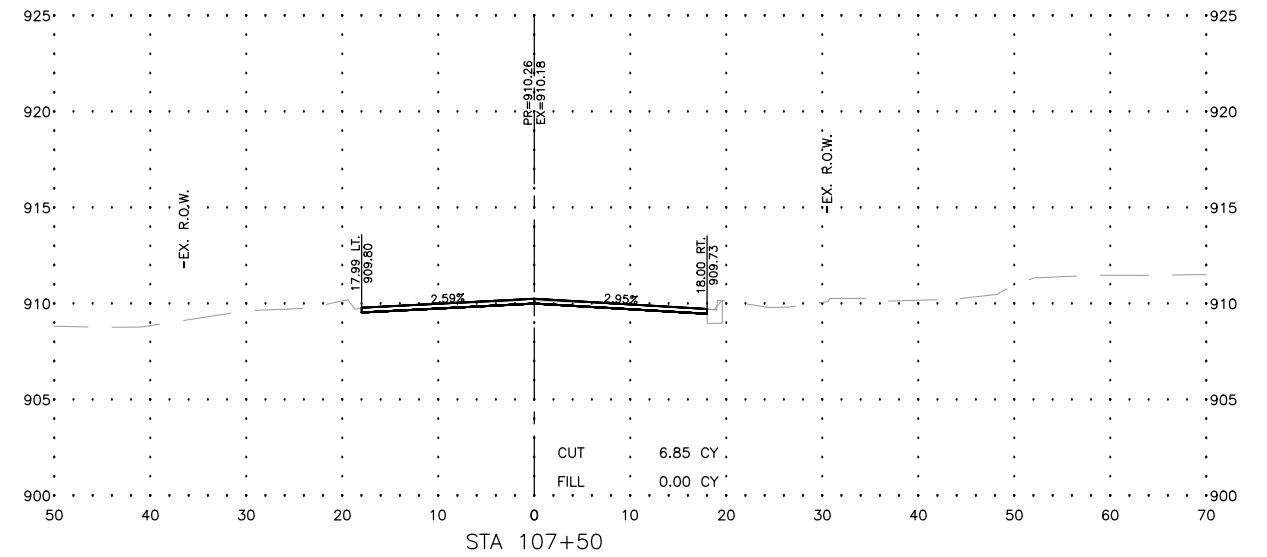
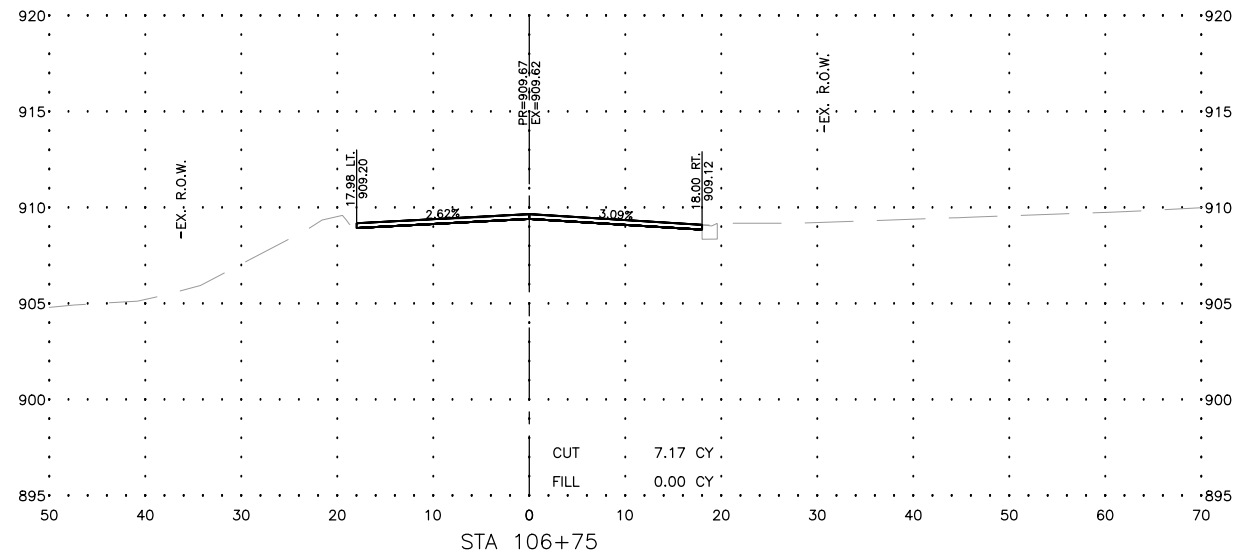
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

THREE OAKS ROAD - CROSS SECTIONS

SCALE: AS NOTED SHEET 105 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	105
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				

MODEL: C:\3D\22-071 PH01\22-071 Corridor.dwg, OAKS X--Sec 3



USER NAME = BF/YJ
PLOT SCALE = AS NOTED
PLOT DATE = 2/15/24

DESIGNED -- VL
DRAWN -- BF/YJ
CHECKED --
DATE -- 03/01/23

REVISED --
REVISED --
REVISED --
REVISED --

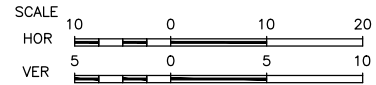
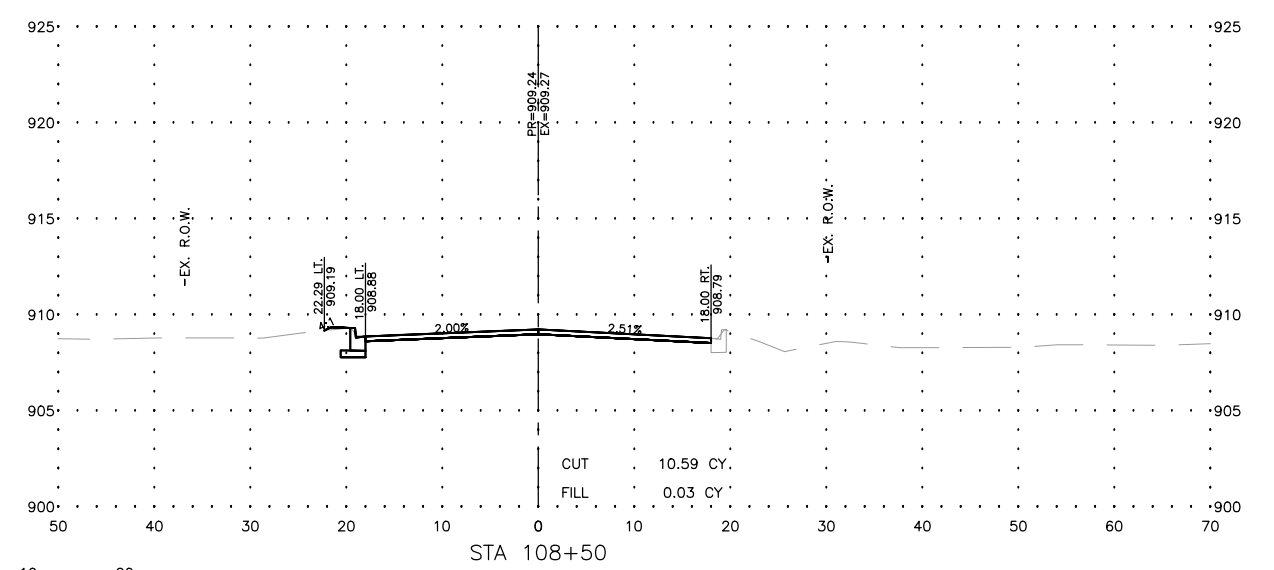
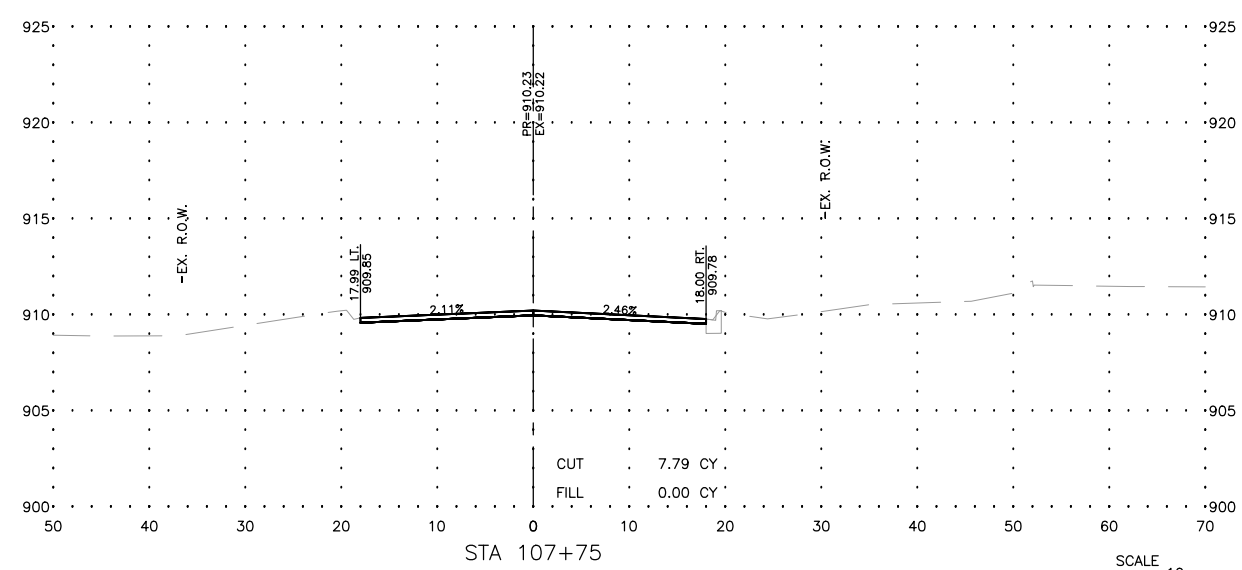
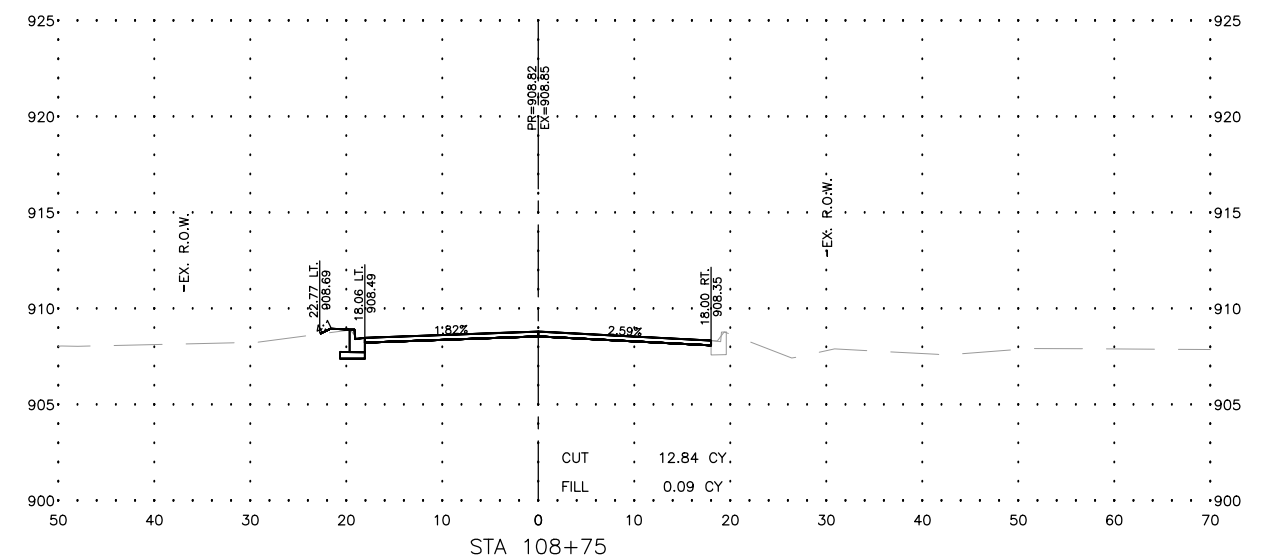
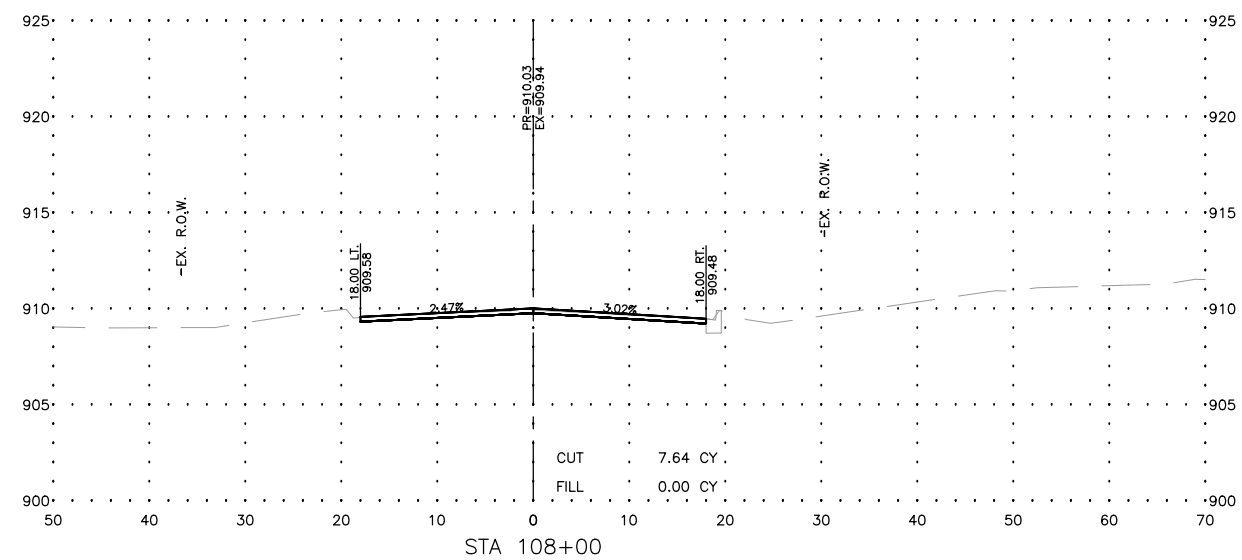
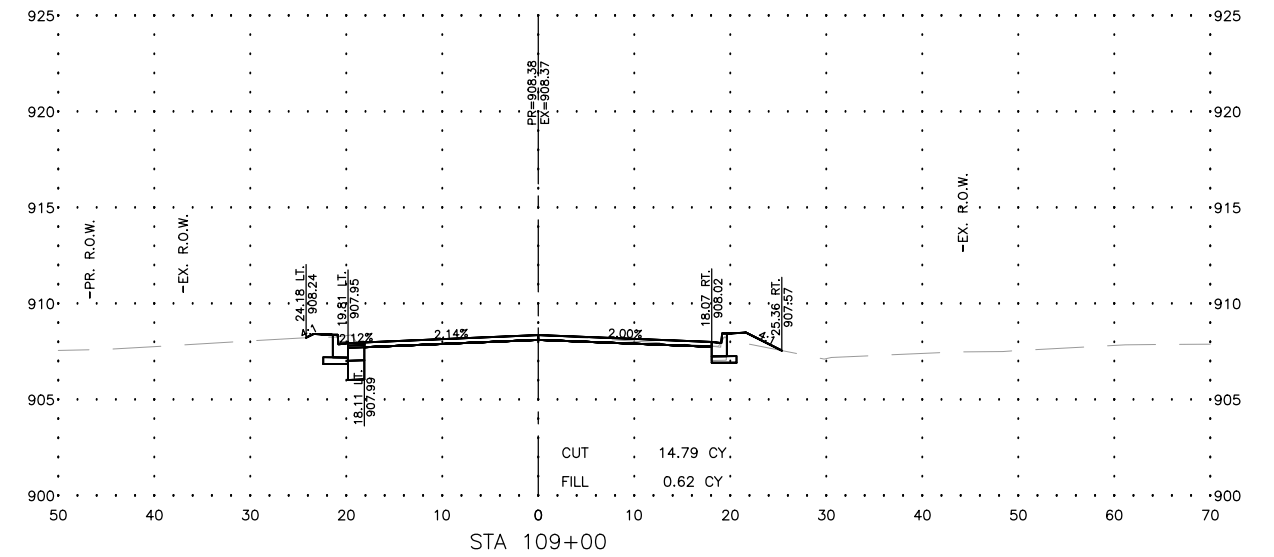
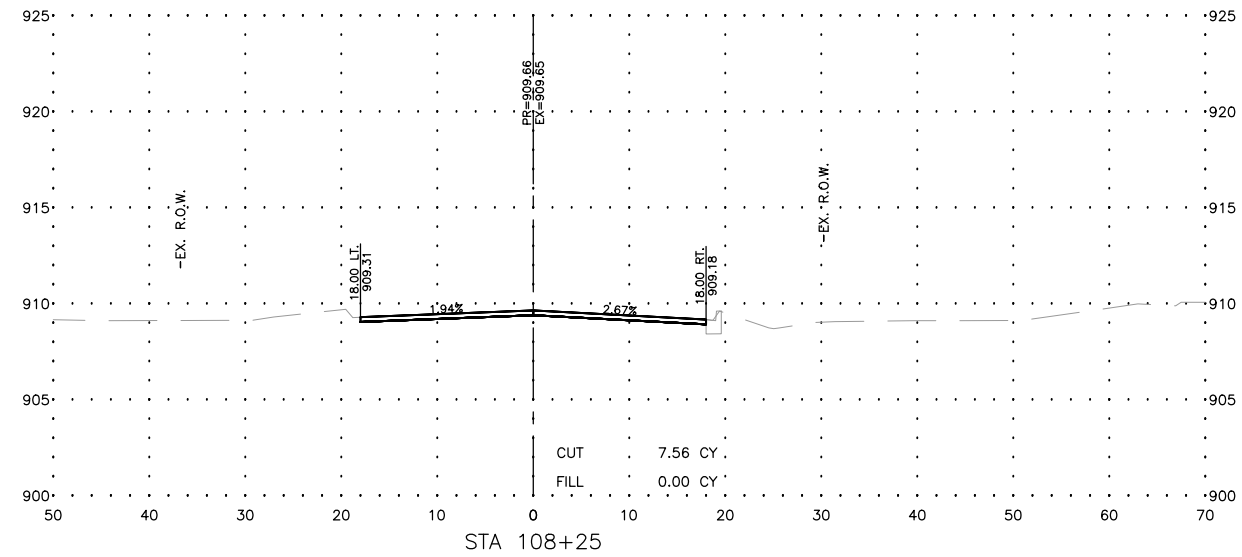
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

THREE OAKS ROAD - CROSS SECTIONS

SCALE: AS NOTED SHEET 106 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	106
CONTRACT NO 61K35			ILLINOIS FED. AID PROJECT	

MODEL: C:\3D\22-071 PH01\22-071 Corridor.dwg, OAKS X--Sec 4



USER NAME = BF/YJ
 PLOT SCALE = AS NOTED
 PLOT DATE = 2/15/24

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 DRAWN -- BF/YJ
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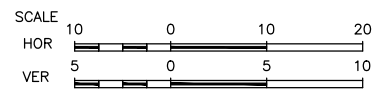
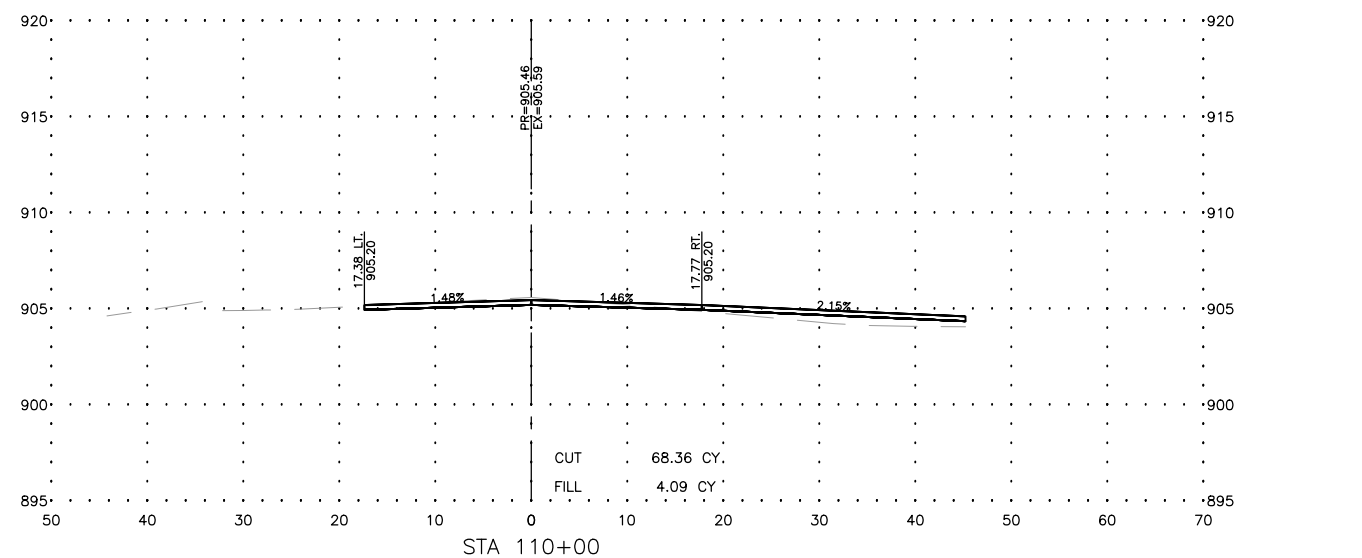
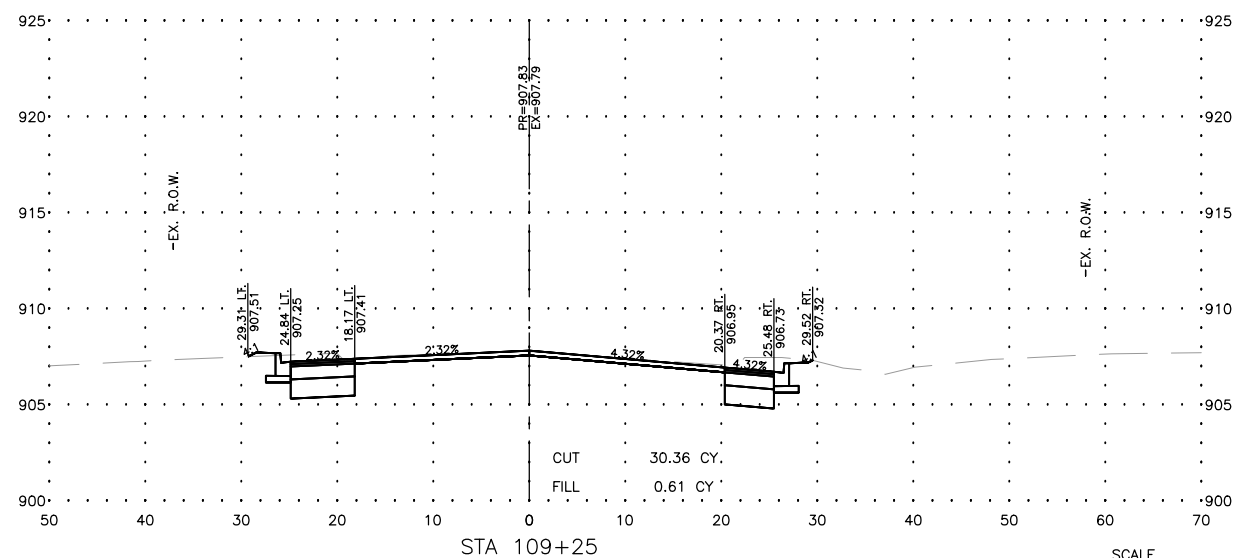
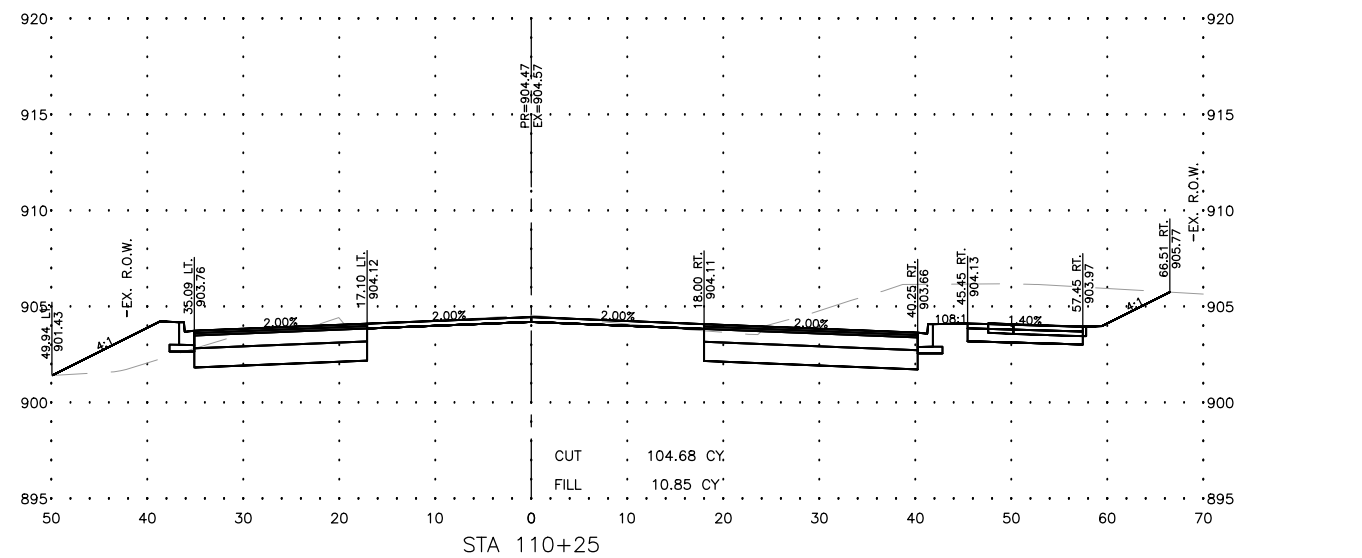
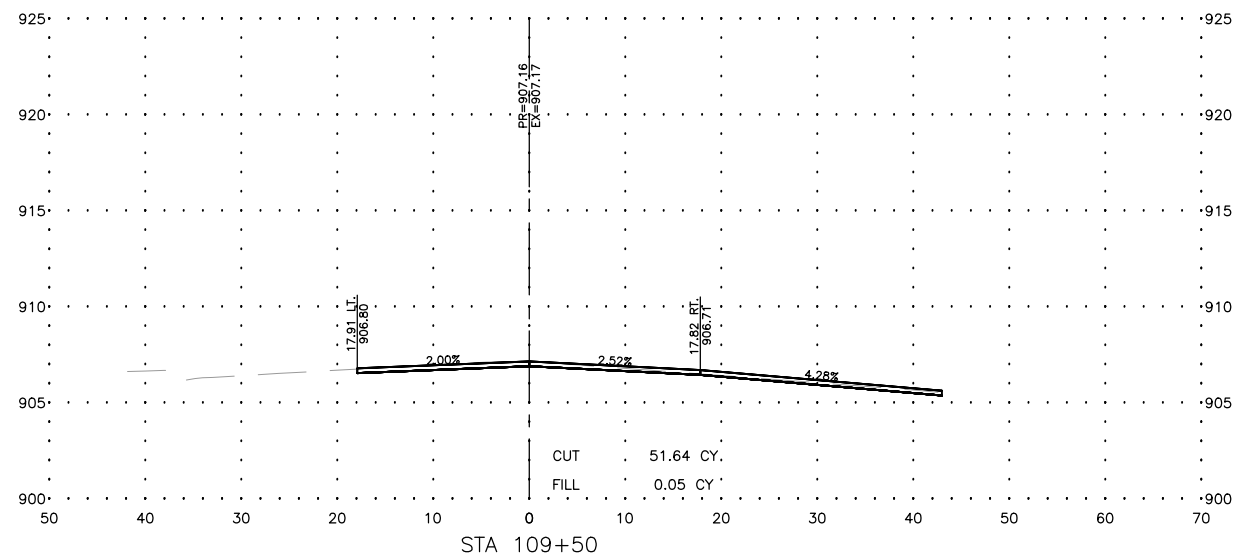
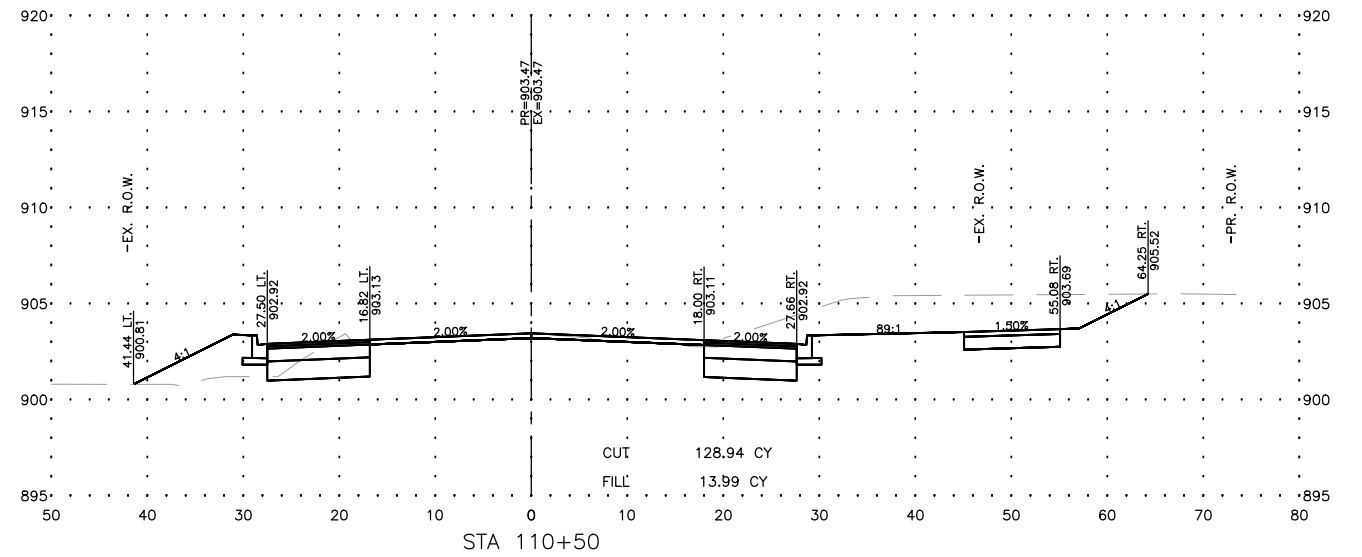
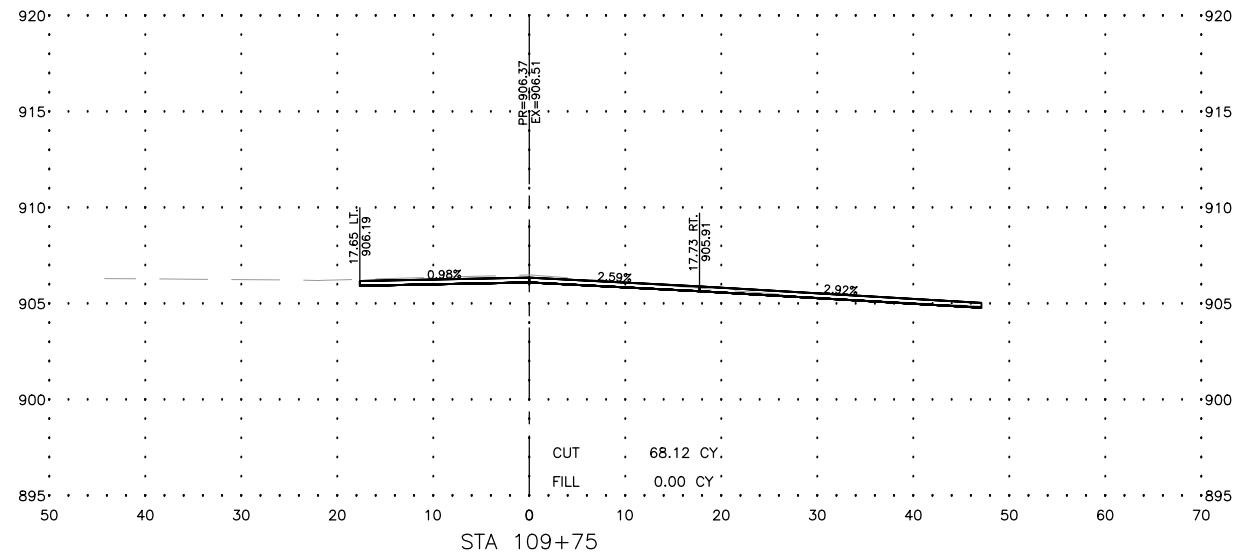
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

THREE OAKS ROAD - CROSS SECTIONS

SCALE: AS NOTED SHEET 107 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	107
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				

MODEL: C:\3D\22-071 PH01\22-071 Corridor.dwg, OAKS X--Sec 5



USER NAME =BF/YJ
PLOT SCALE = AS NOTED
PLOT DATE = 2/15/24

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DRAWN -- BF/YJ
CHECKED --
DATE -- 03/01/23

REVISED --
REVISED --
REVISED --
REVISED --

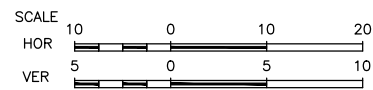
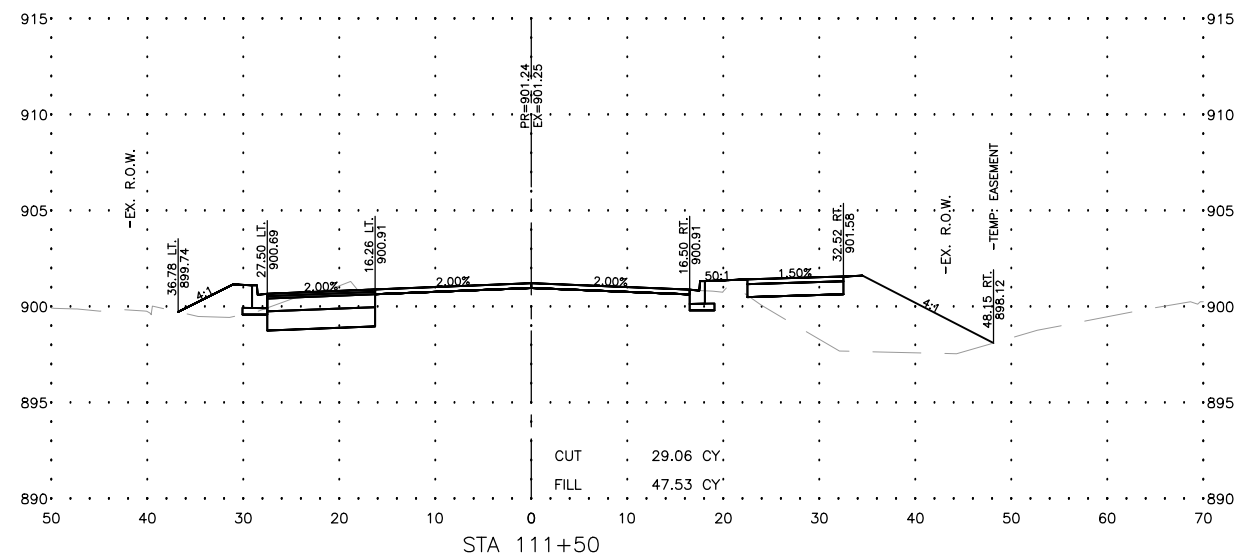
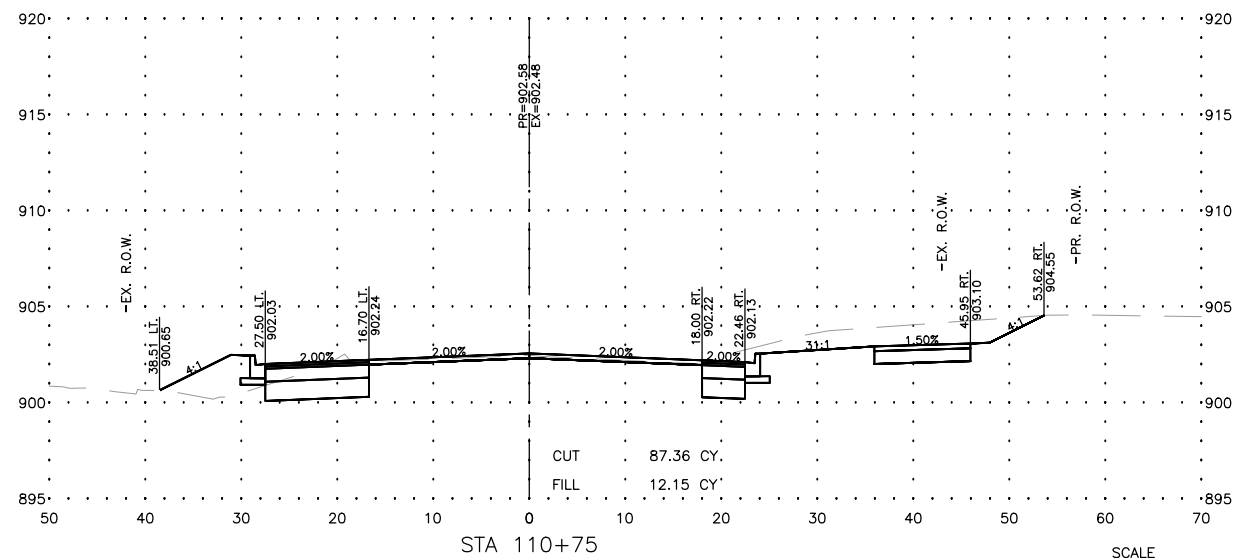
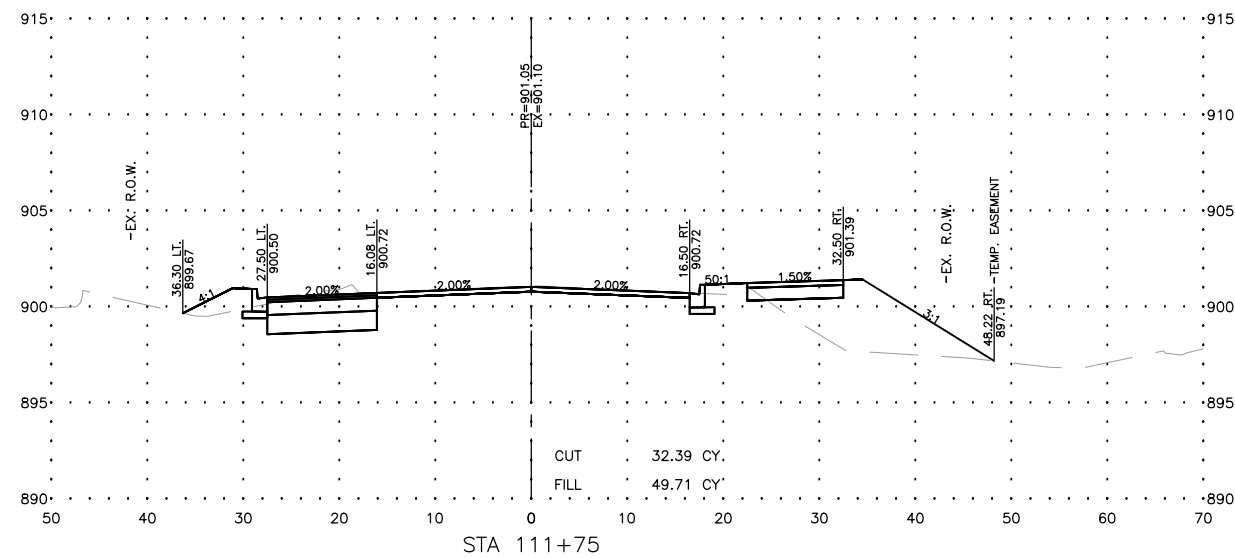
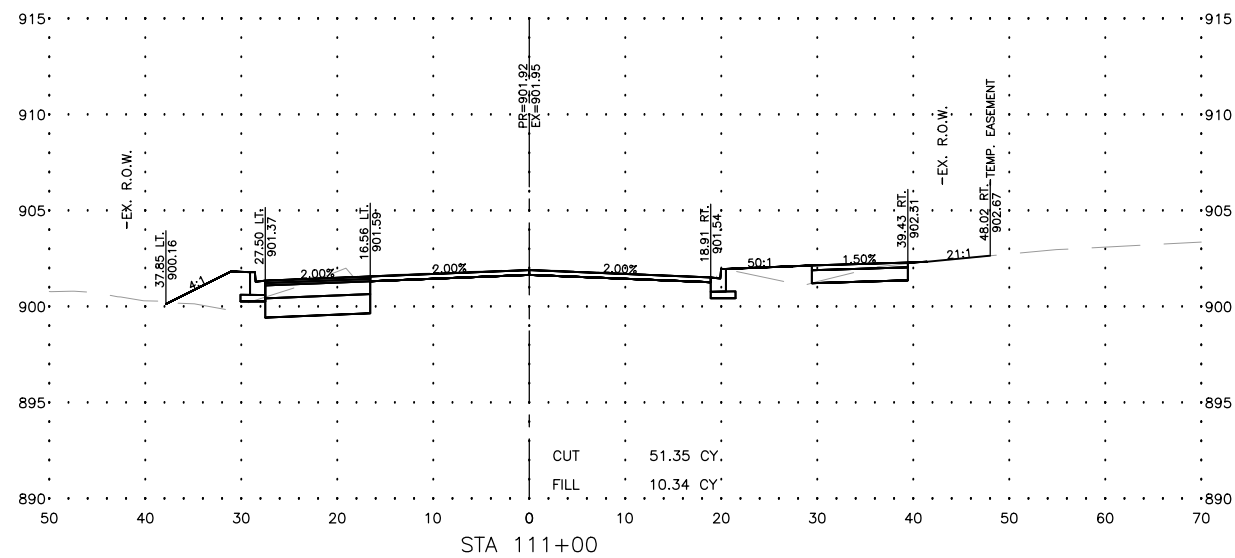
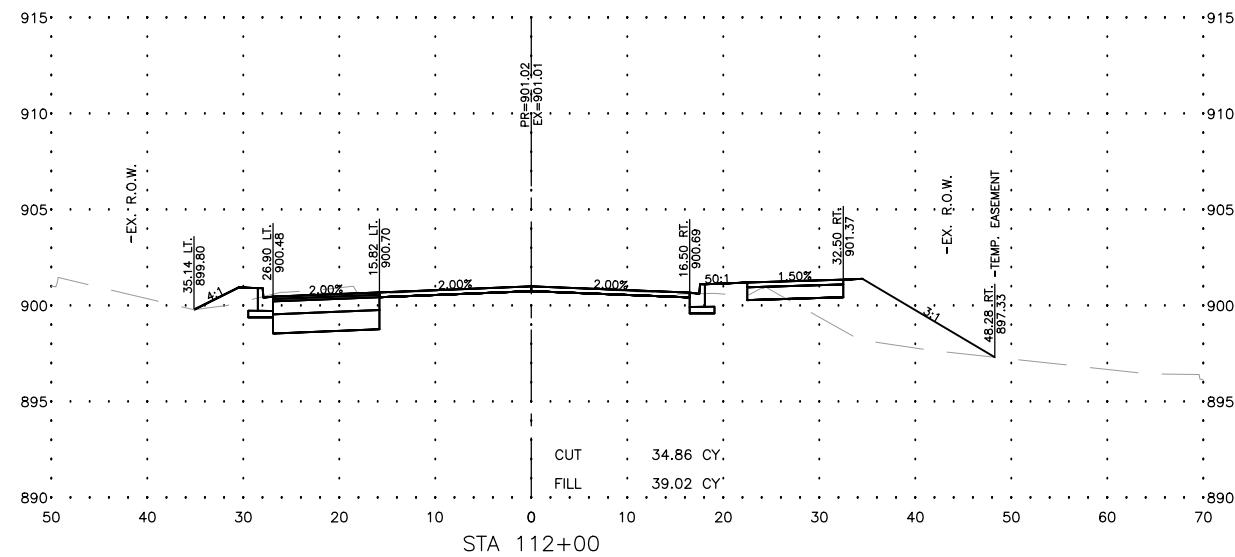
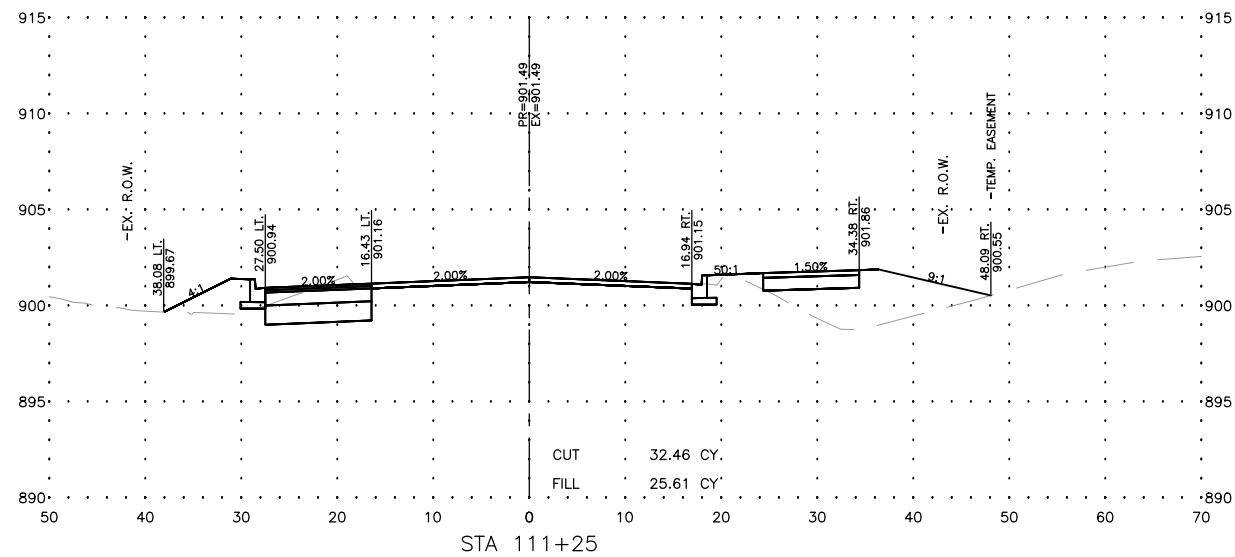
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

THREE OAKS ROAD - CROSS SECTIONS

SCALE: AS NOTED SHEET 108 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	108
CONTRACT NO 61K35			ILLINOIS FED. AID PROJECT	

MODEL: C:\3D\22-071 PH01\22-071 Corridor.dwg, OAKS X--Sec 6



USER NAME = BF/YJ
 PLOT SCALE = AS NOTED
 PLOT DATE = 2/15/24

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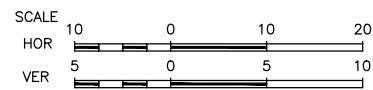
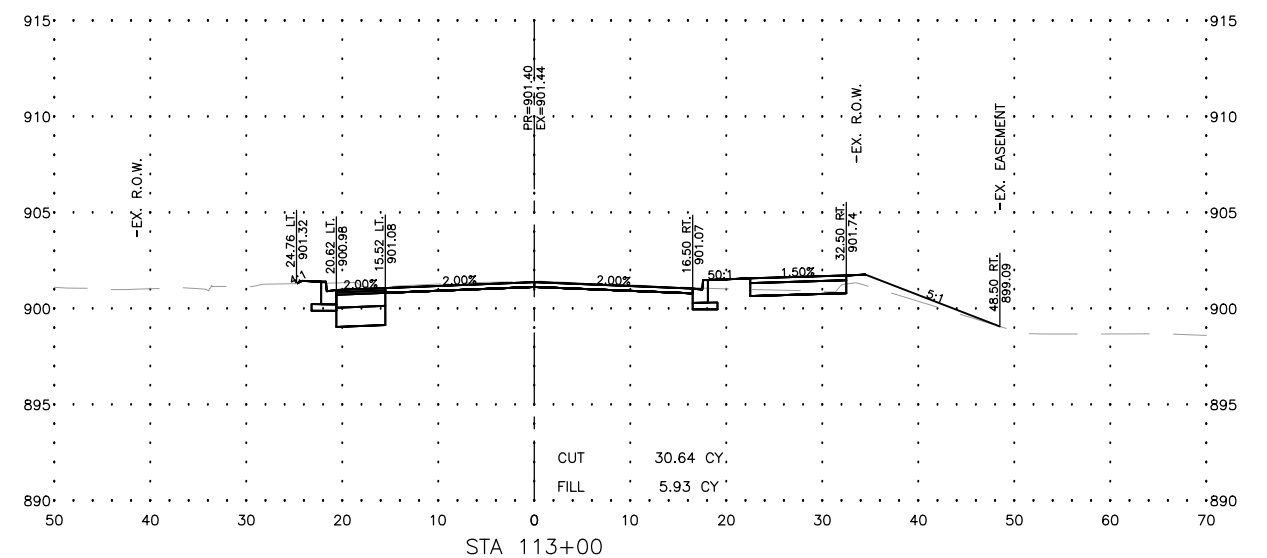
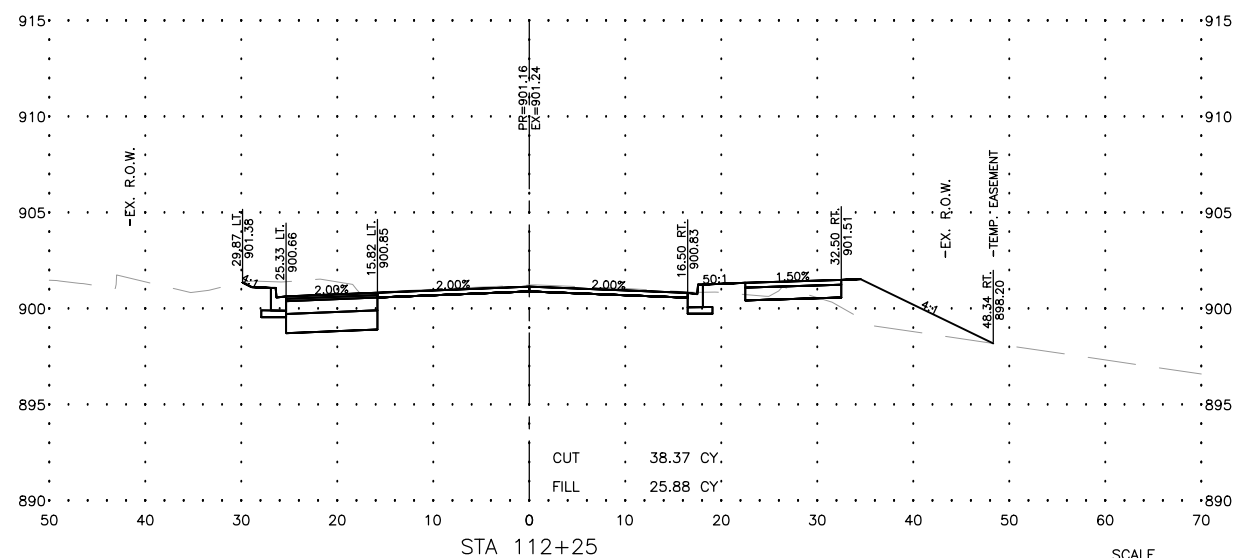
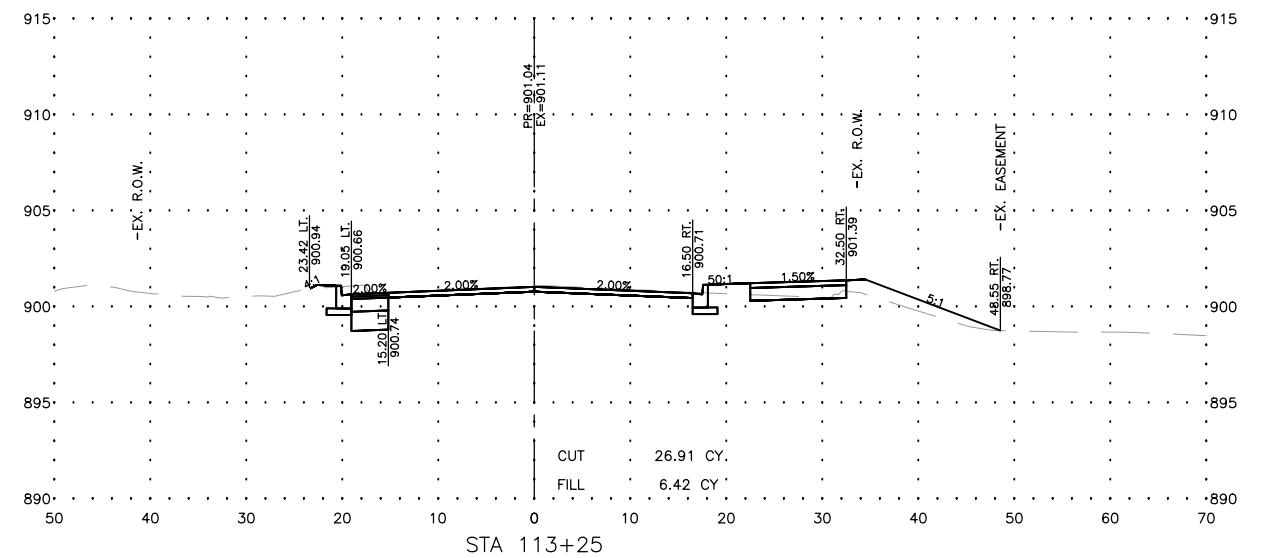
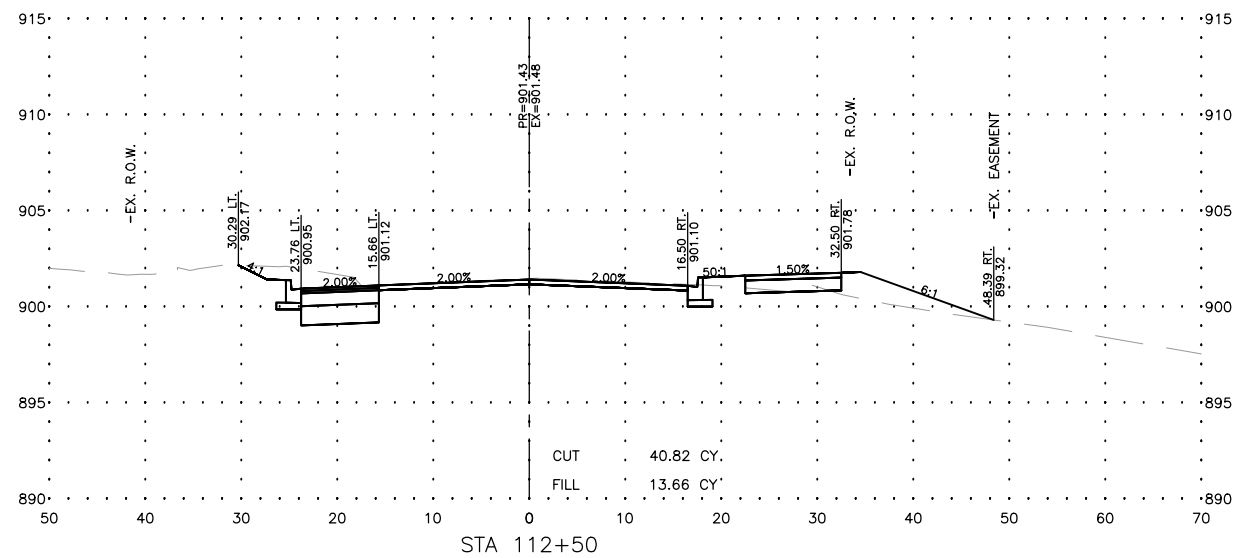
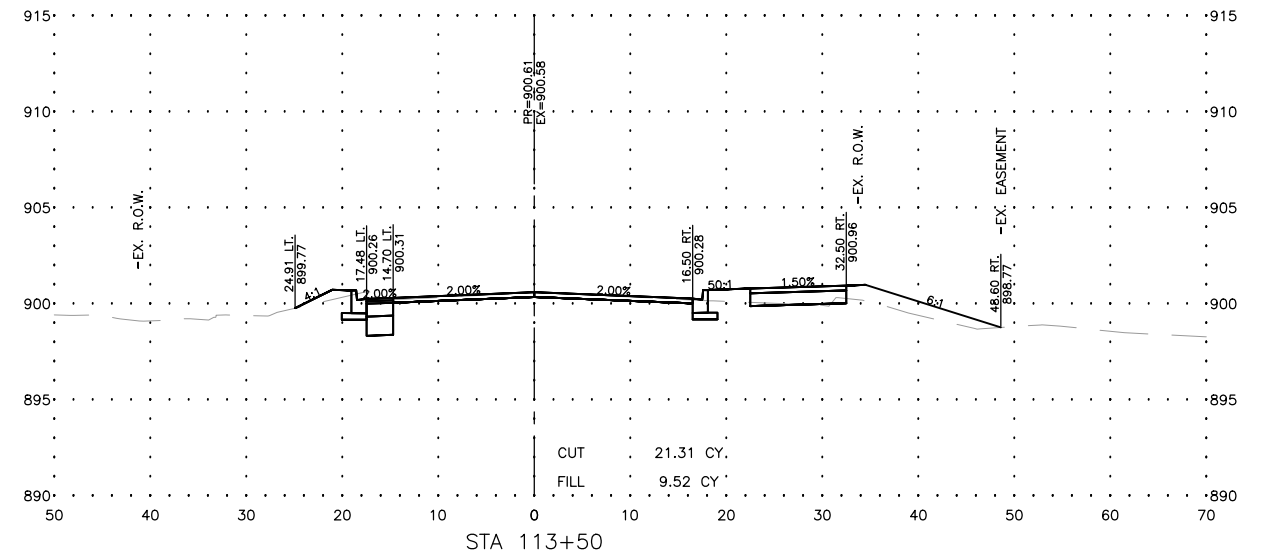
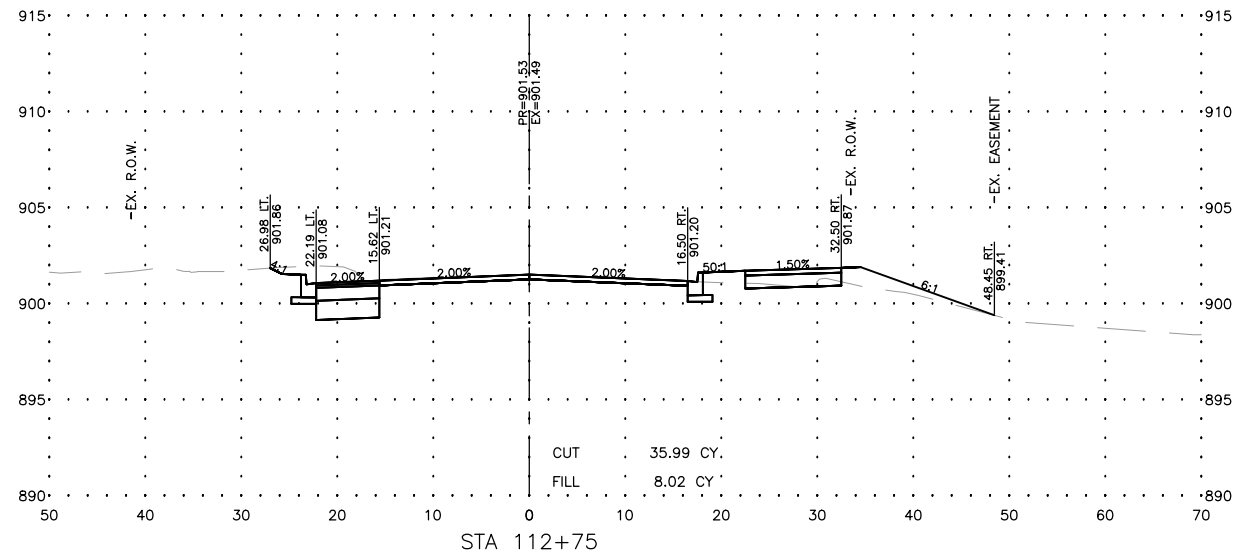
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

THREE OAKS ROAD - CROSS SECTIONS

SCALE: AS NOTED SHEET 109 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	109
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				

MODEL: C:\3D\22-071 PH01\22-071 Corridor.dwg, OAKS X--Sec 7



USER NAME =BF/YJ
 PLOT SCALE = AS NOTED
 PLOT DATE = 2/15/24

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 DATE -- 03/01/23

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 REVISED --
 REVISED --

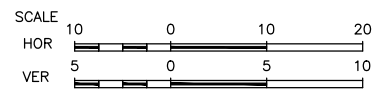
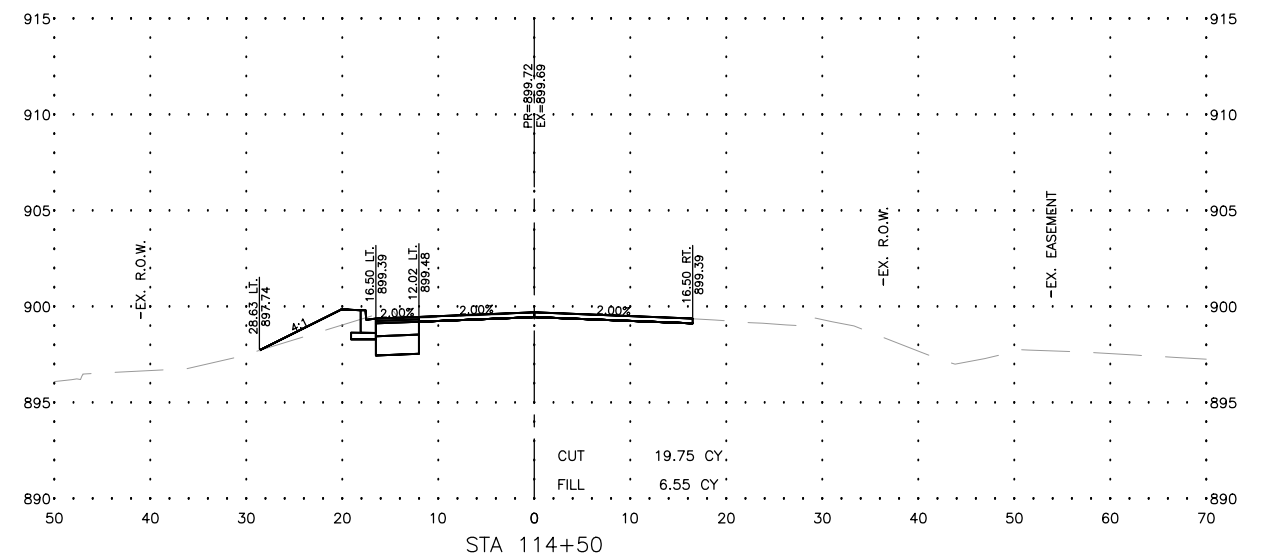
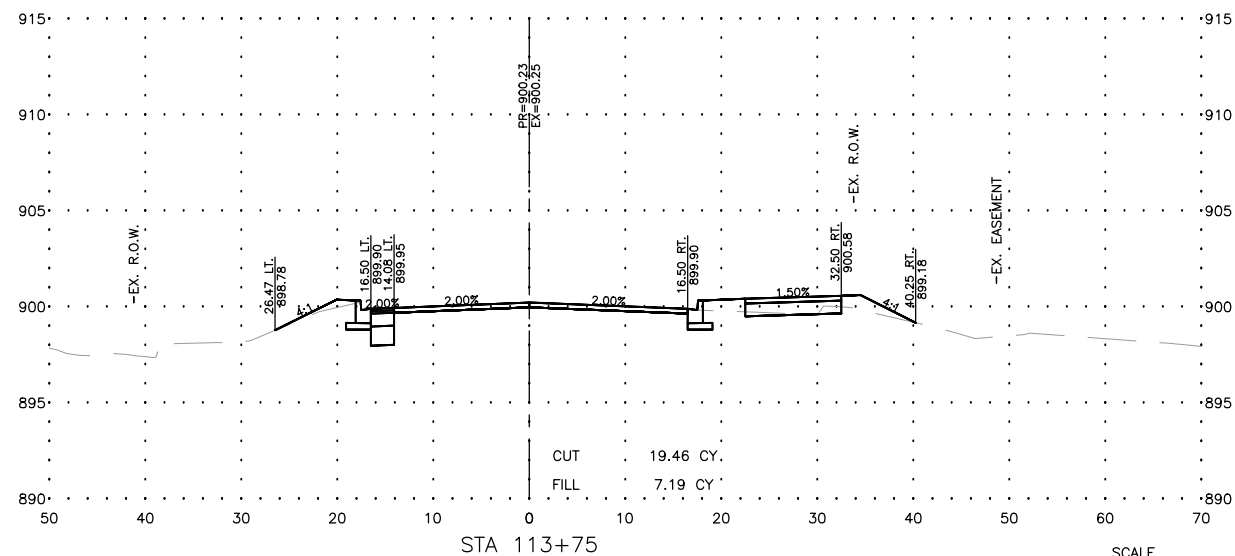
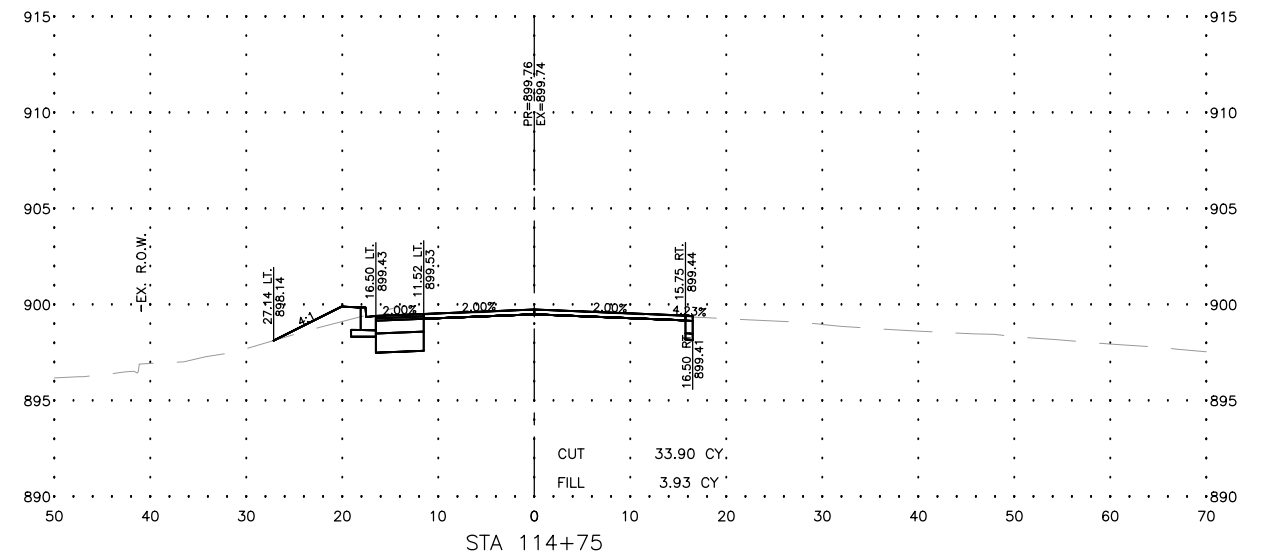
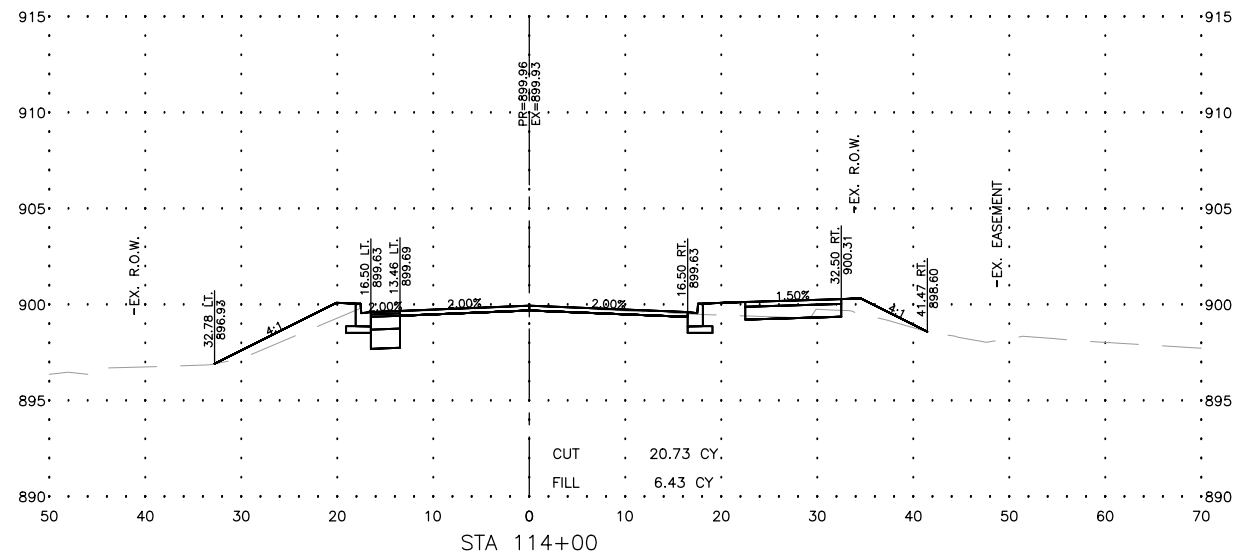
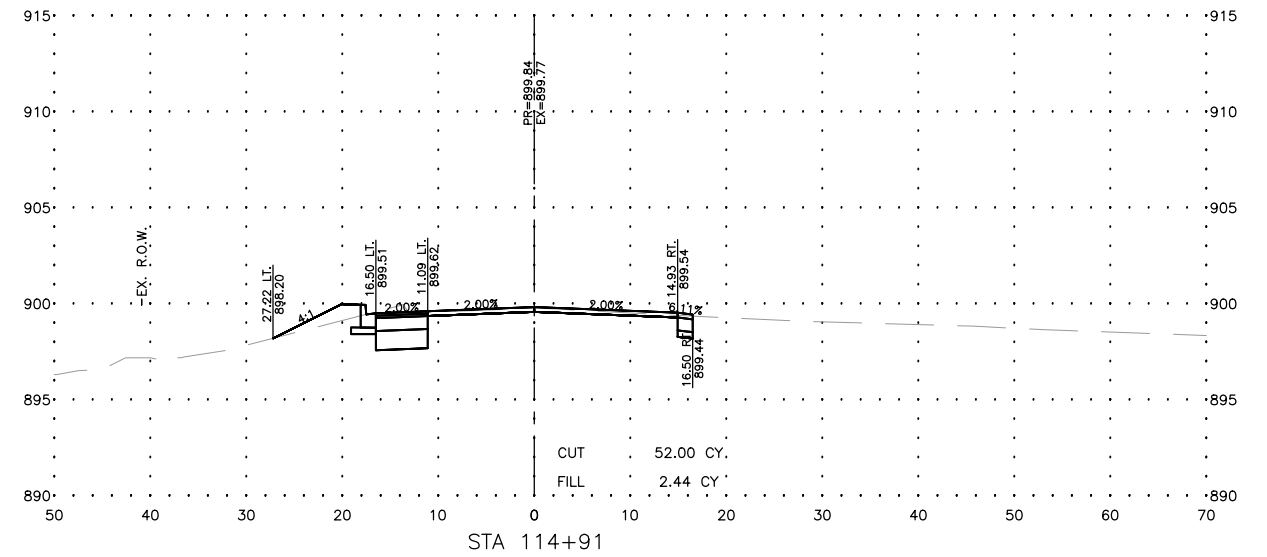
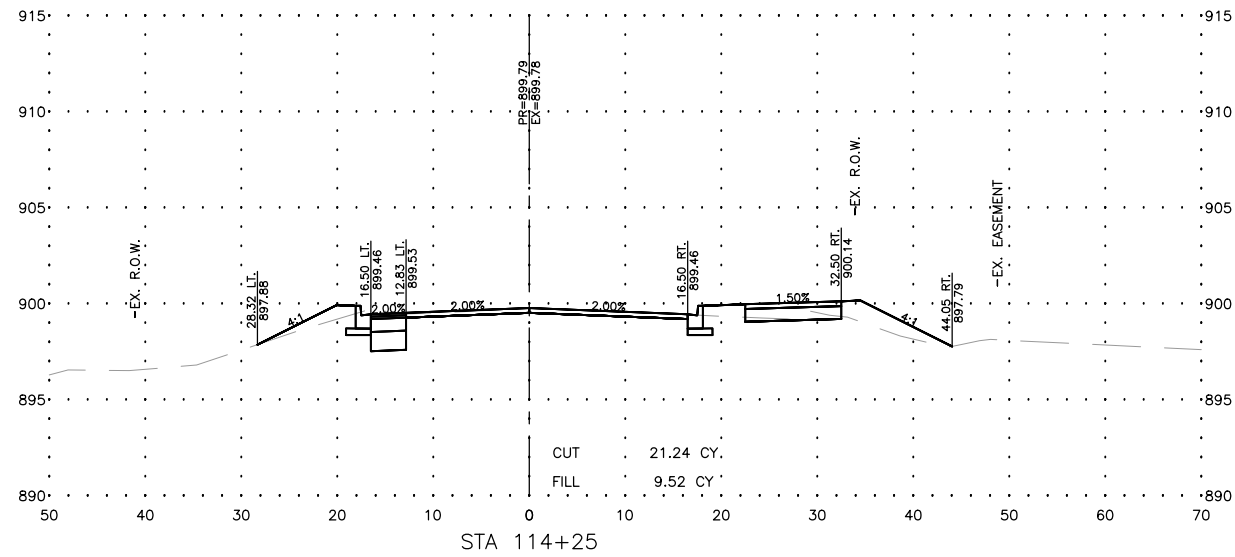
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

THREE OAKS ROAD - CROSS SECTIONS

SCALE: AS NOTED SHEET 110 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	110
CONTRACT NO 61K35			ILLINOIS FED. AID PROJECT	

MODEL: C:\3D\22-071 PH01\22-071 Corridor.dwg, OAKS X--Sec 8



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ILLINOIS DESIGN FIRM NO. 14-03392
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USER NAME = BF/YJ	DESIGNED = VL	REVISED =
PLOT SCALE = AS NOTED	DRAWN = BF/YJ	REVISED =
PLOT DATE = 2/15/24	CHECKED =	REVISED =
	DATE = 03/01/23	REVISED =

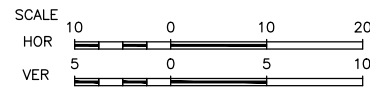
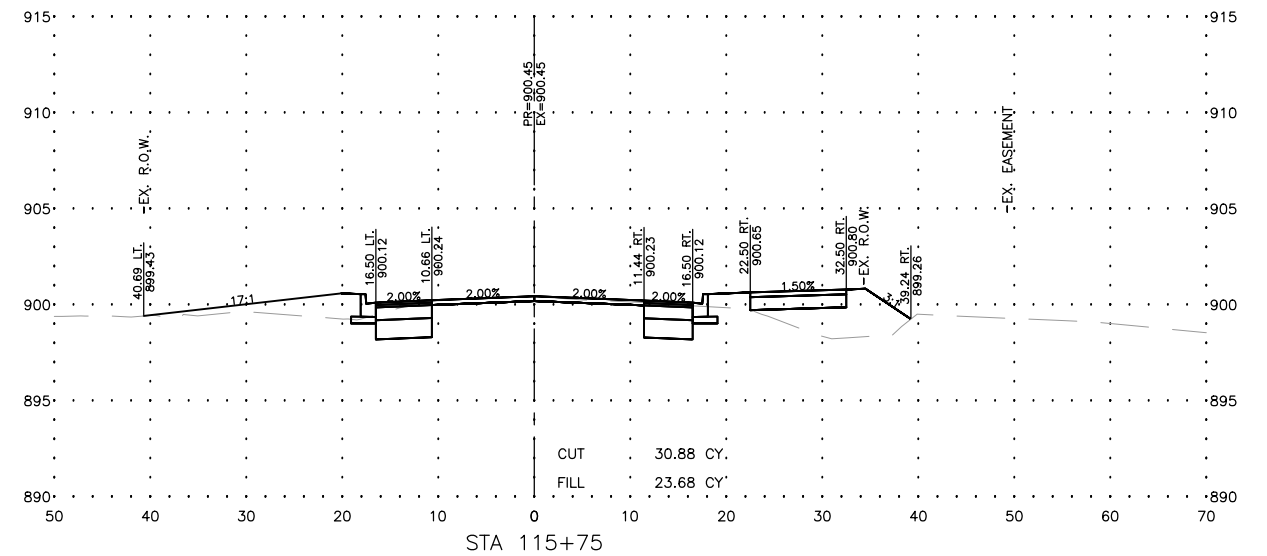
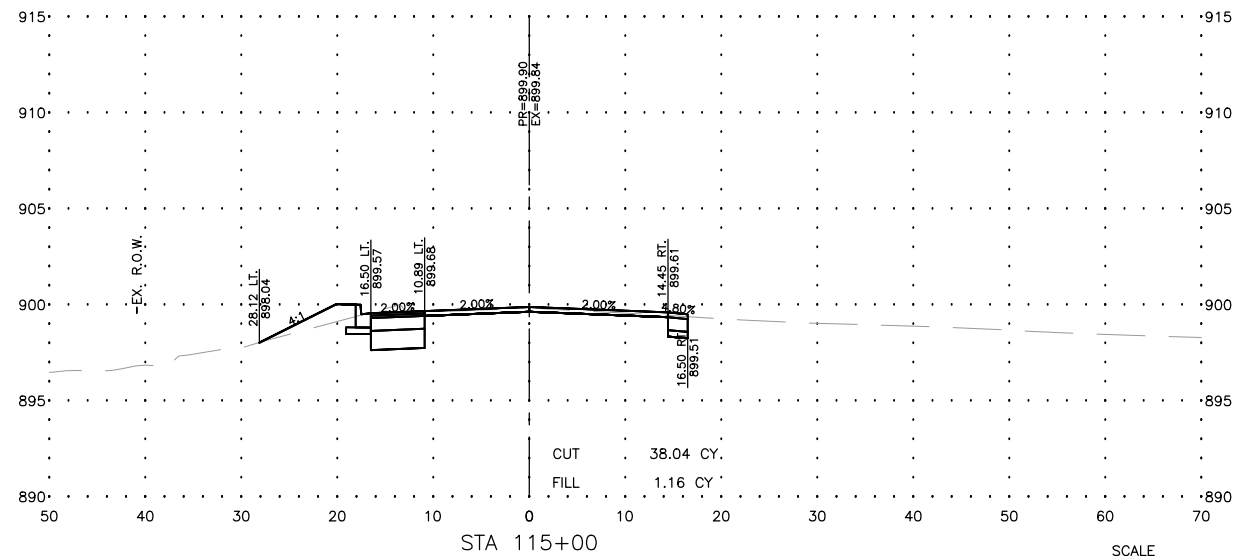
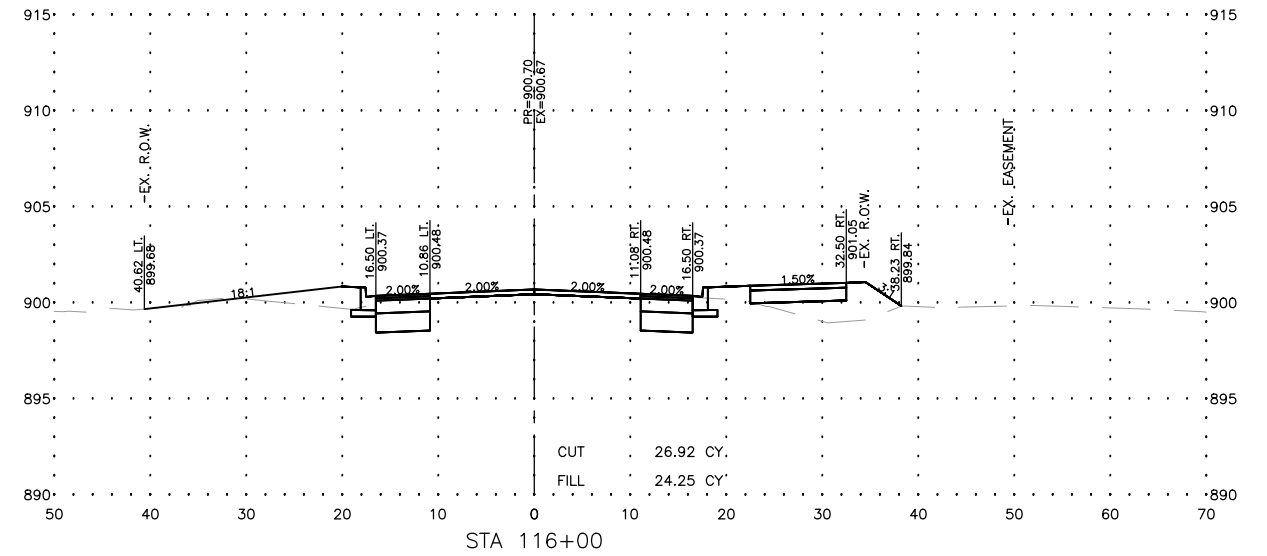
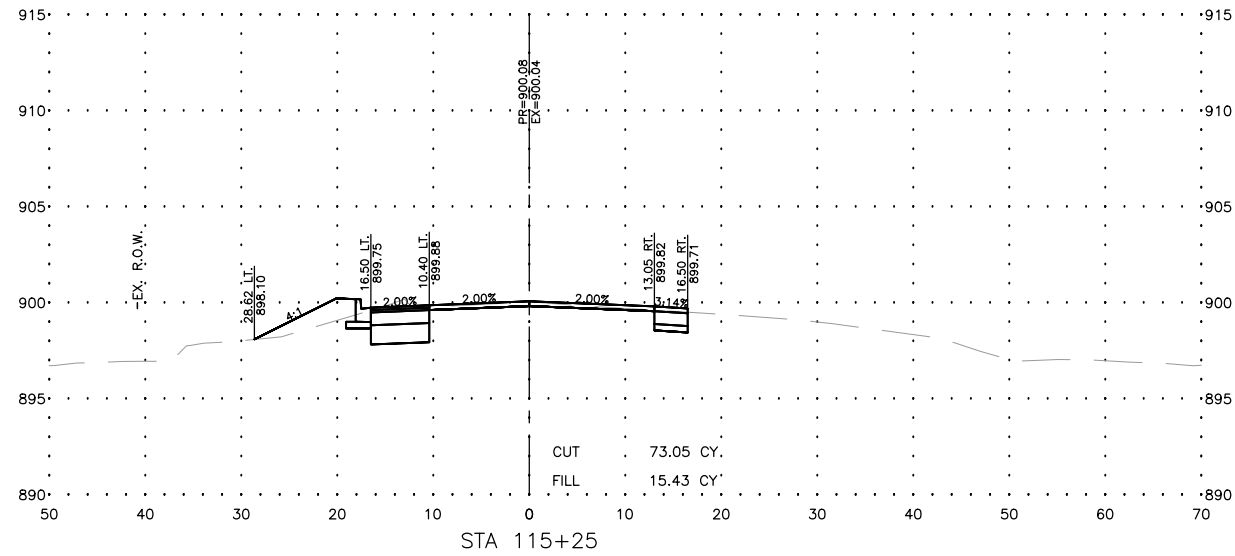
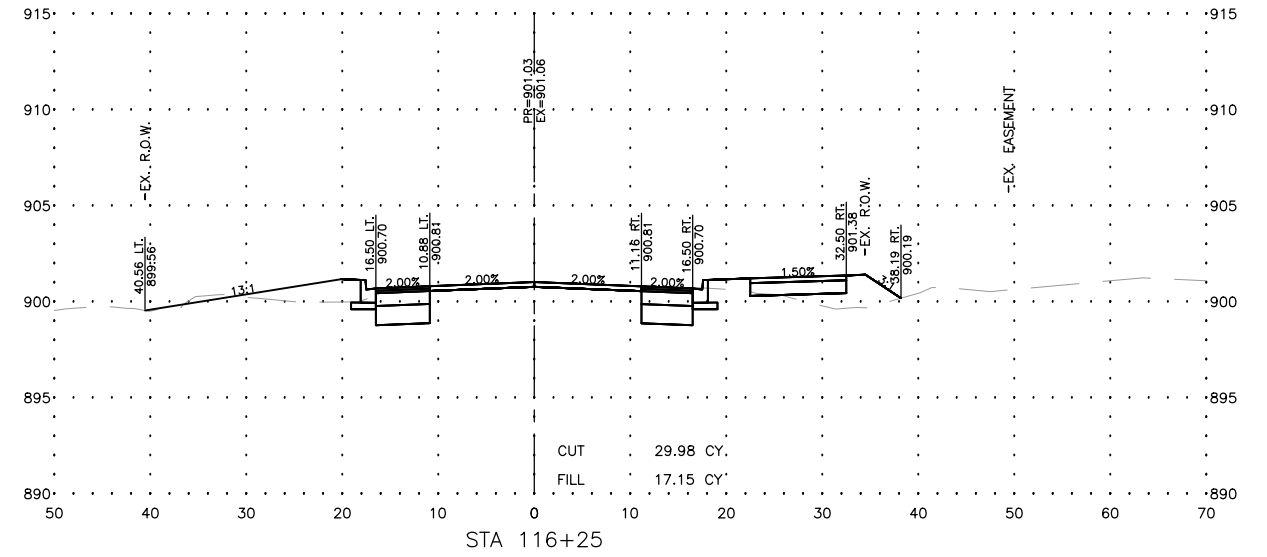
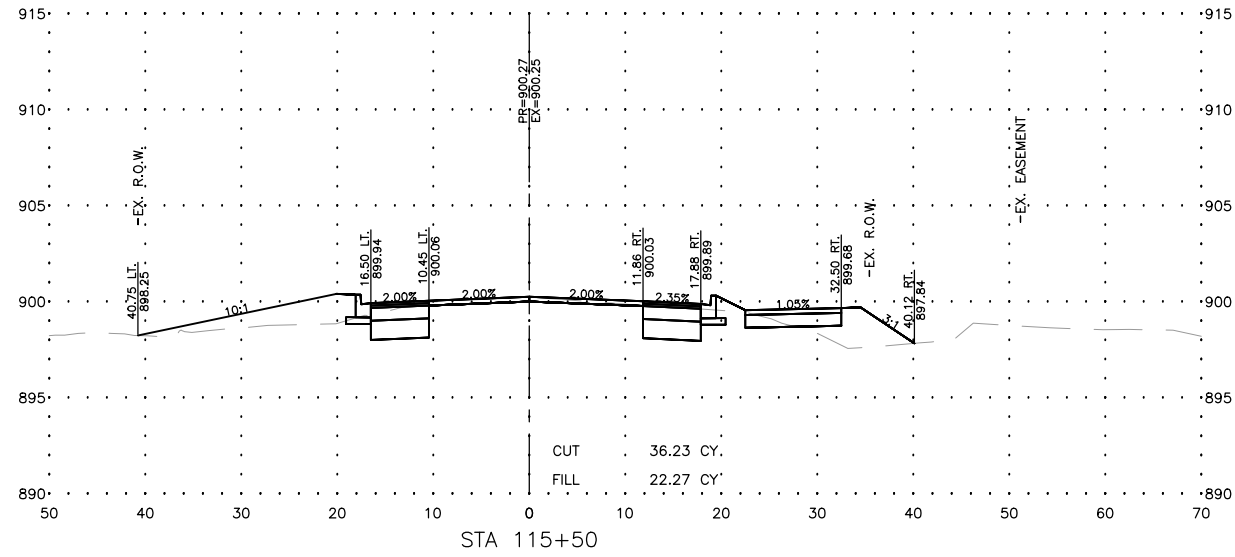
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

THREE OAKS ROAD - CROSS SECTIONS

SCALE: AS NOTED SHEET 111 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	111
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				

MODEL: C:\3D\22-071 PH01\22-071 Corridor.dwg, OAKS X--Sec 9



USER NAME =BF/YJ
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 PLOT DATE = 2/15/24

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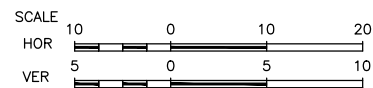
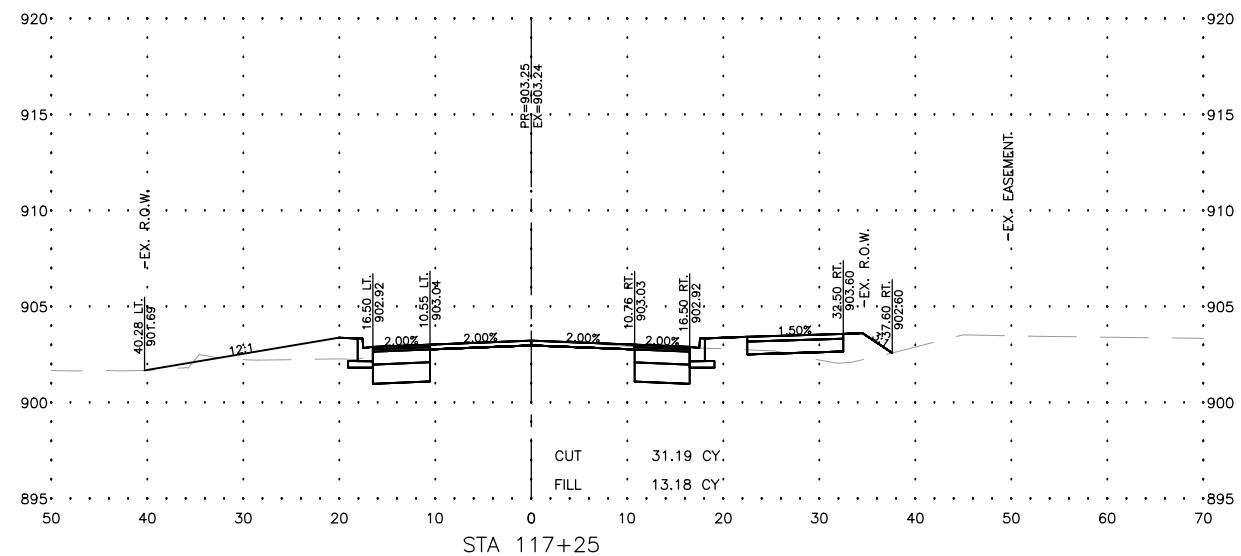
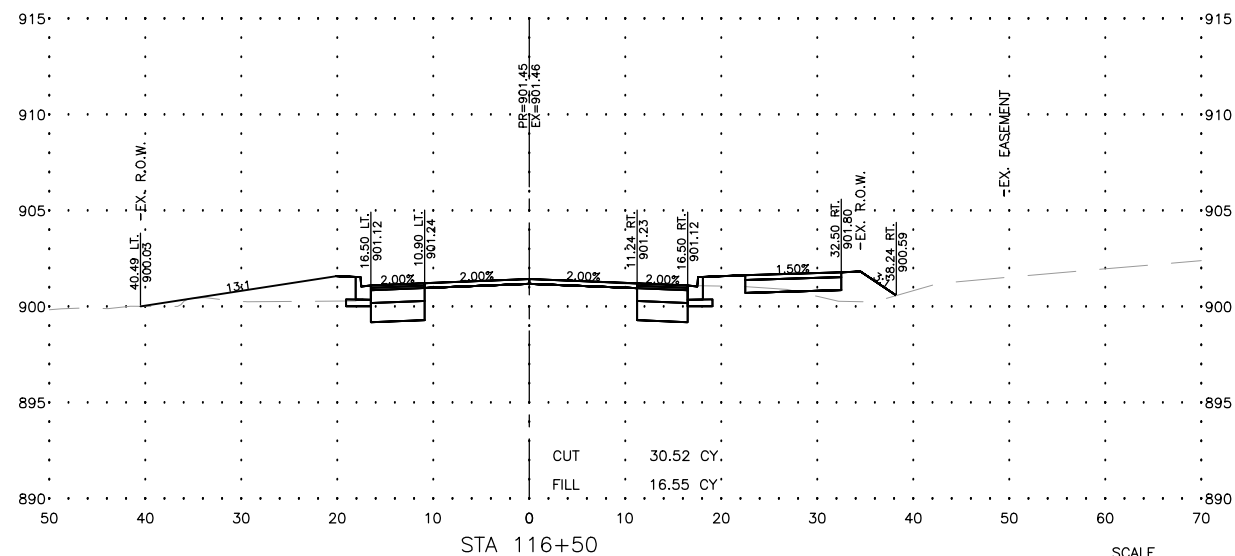
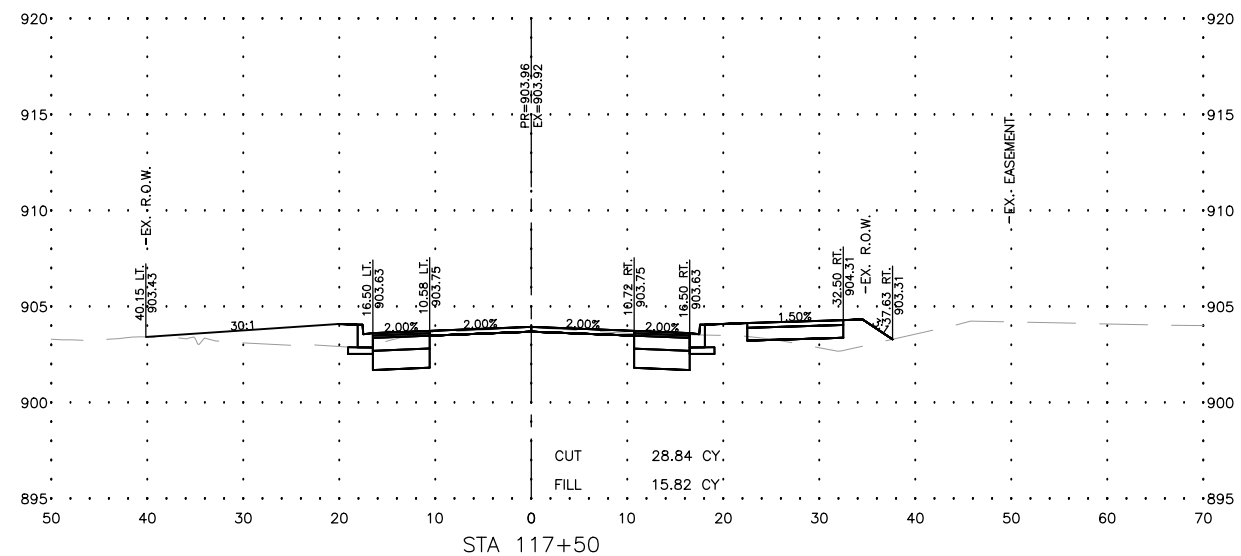
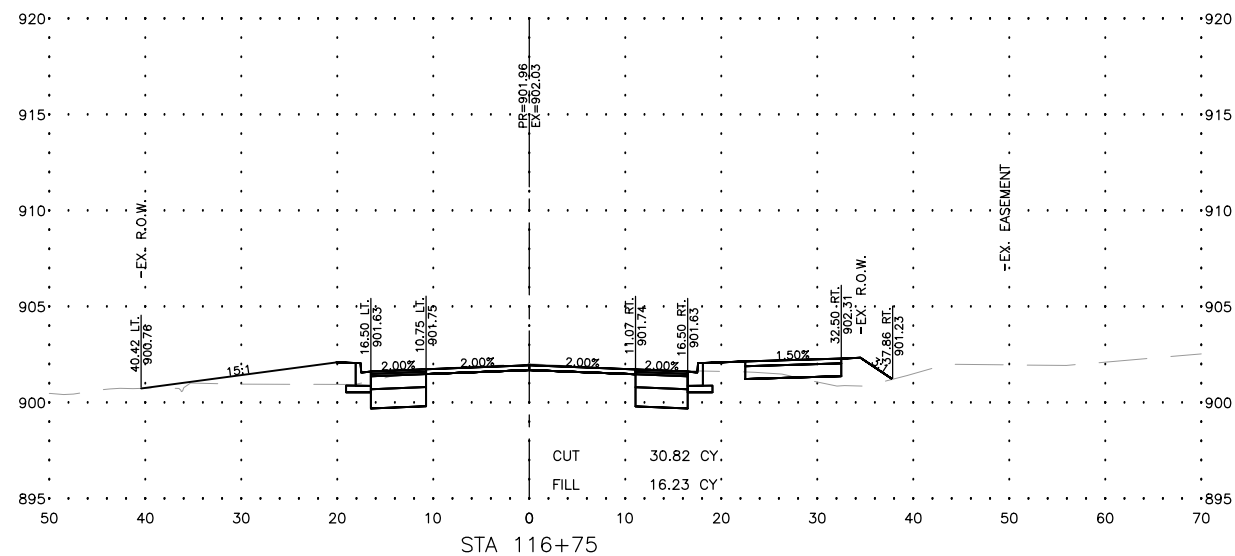
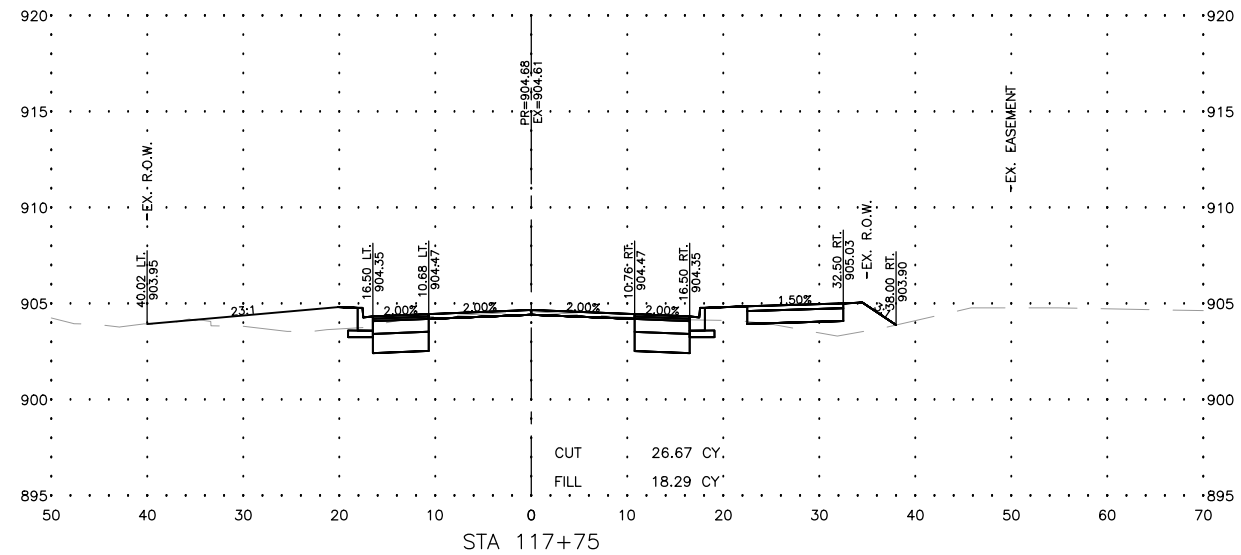
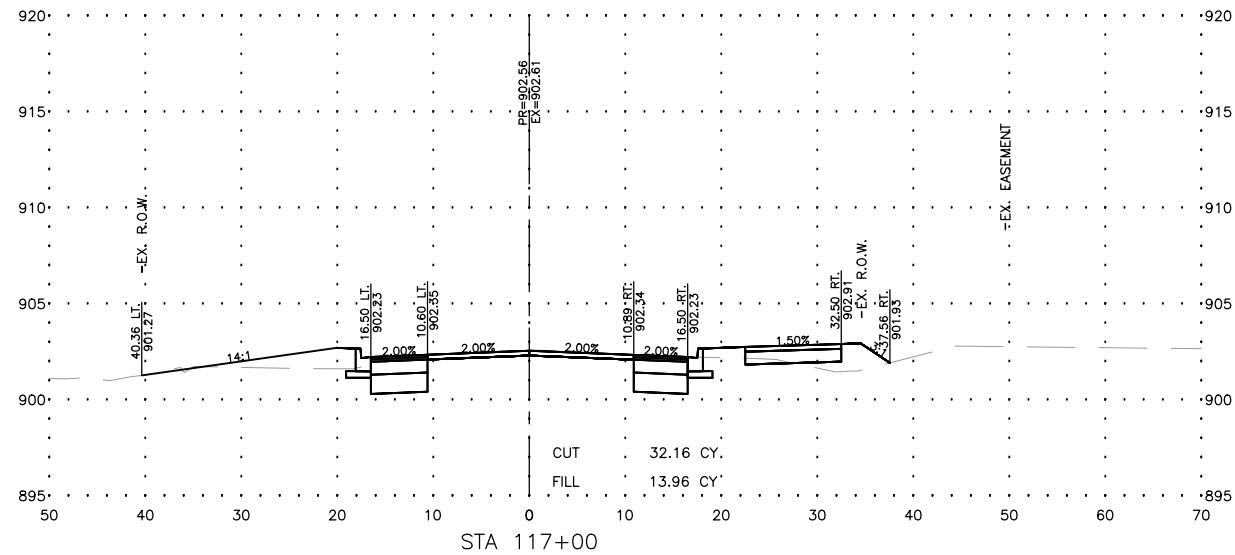
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

THREE OAKS ROAD - CROSS SECTIONS

SCALE: AS NOTED SHEET 112 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	112
CONTRACT NO 61K35			ILLINOIS FED. AID PROJECT	

MODEL: C:\3D\22-071 PH01\22-071 Corridor.dwg, OAKS X--Sec 10



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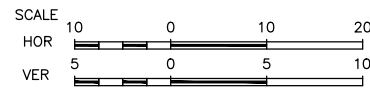
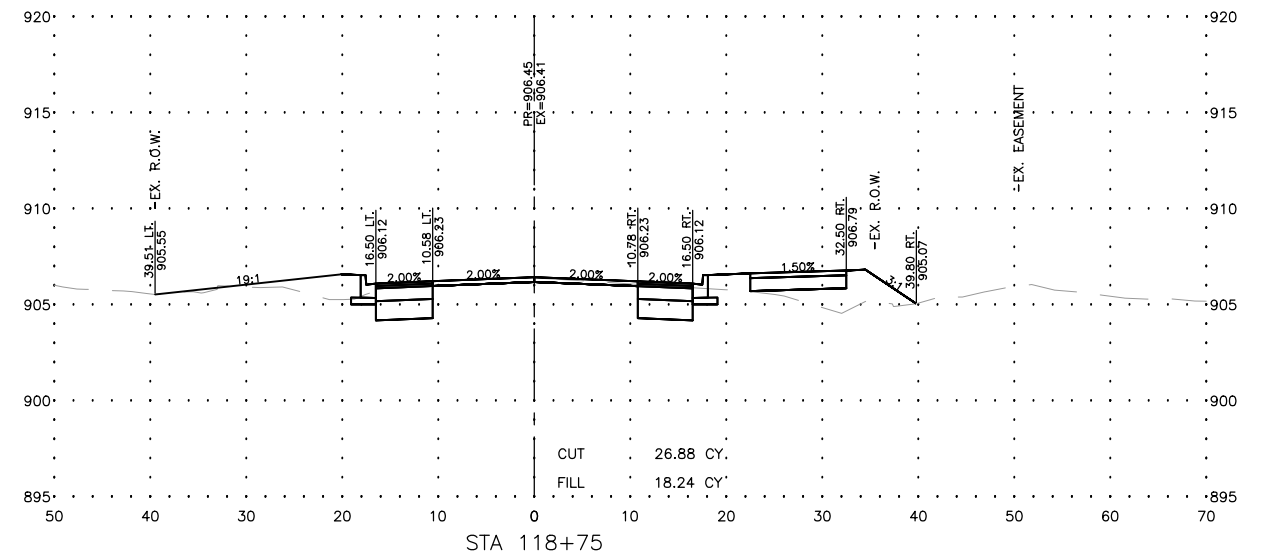
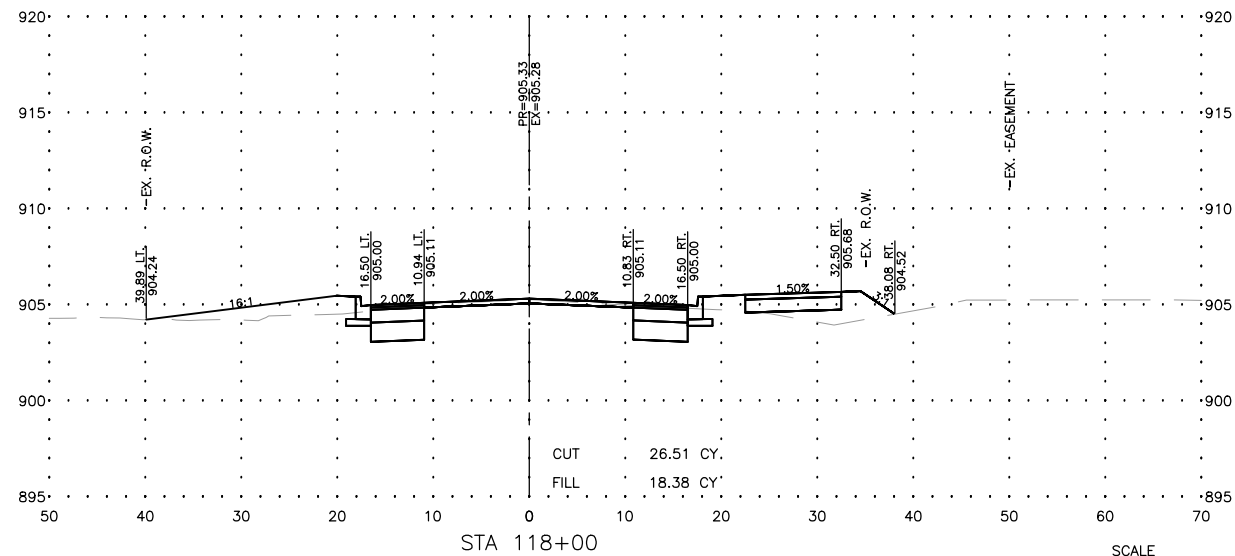
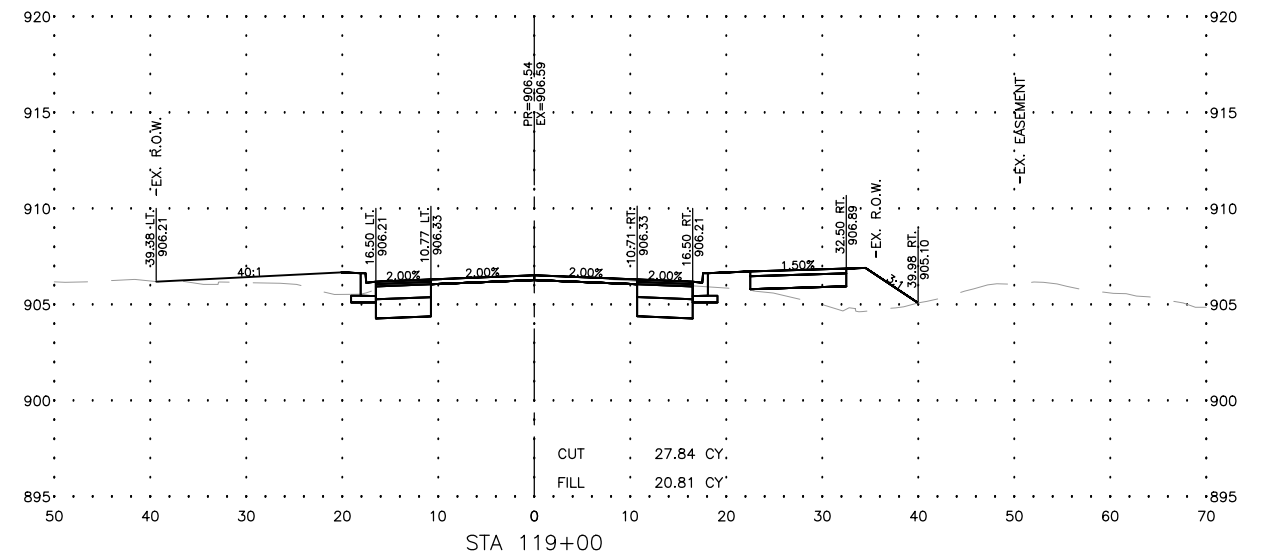
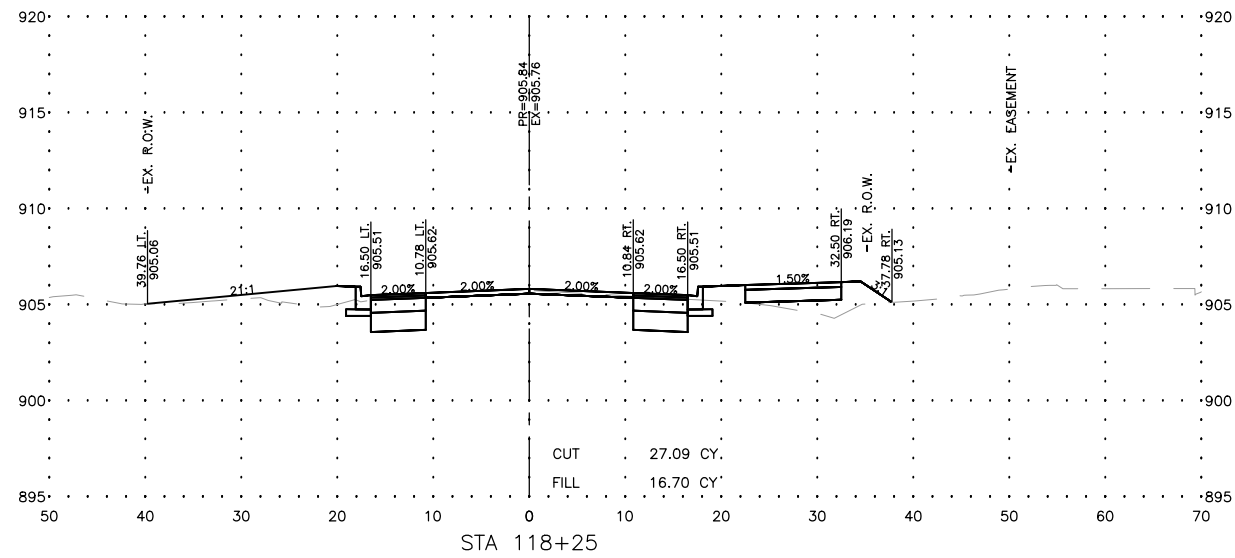
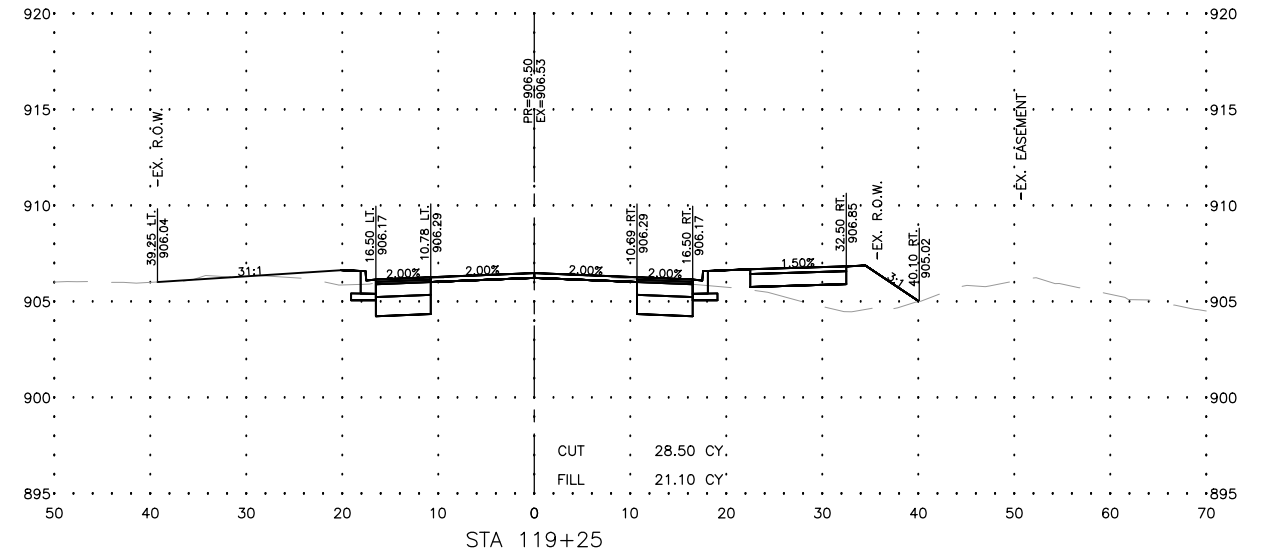
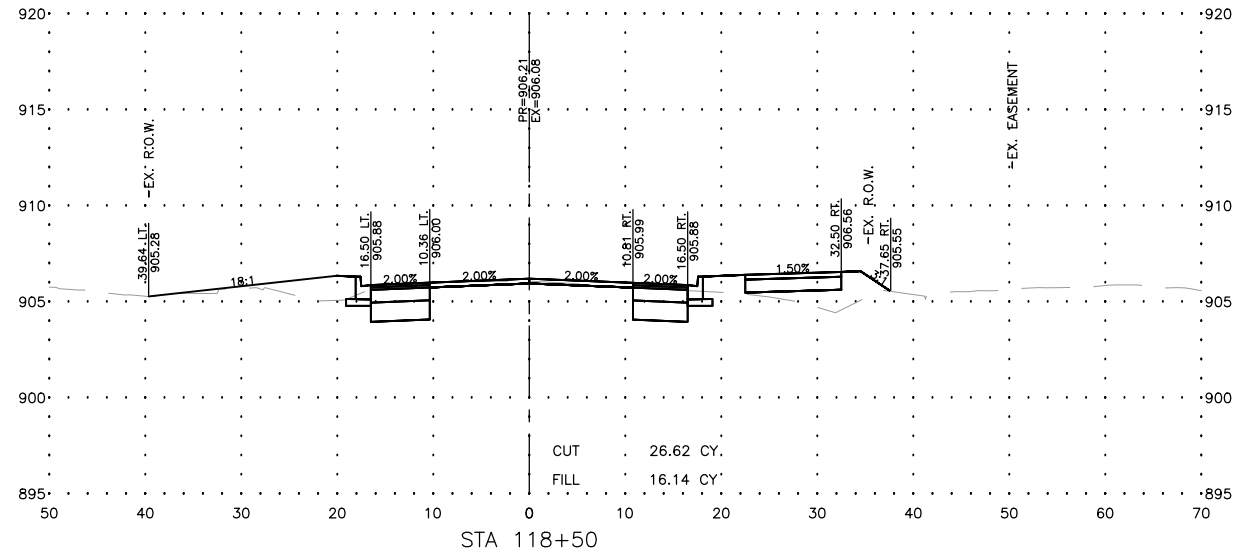
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

THREE OAKS ROAD - CROSS SECTIONS

SCALE: AS NOTED SHEET 113 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	113
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				

MODEL: C:\3D\22-071 PH01\22-071 Corridor.dwg, OAKS X--Sec 11
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 DATE -- 03/01/23

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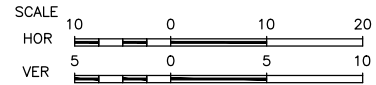
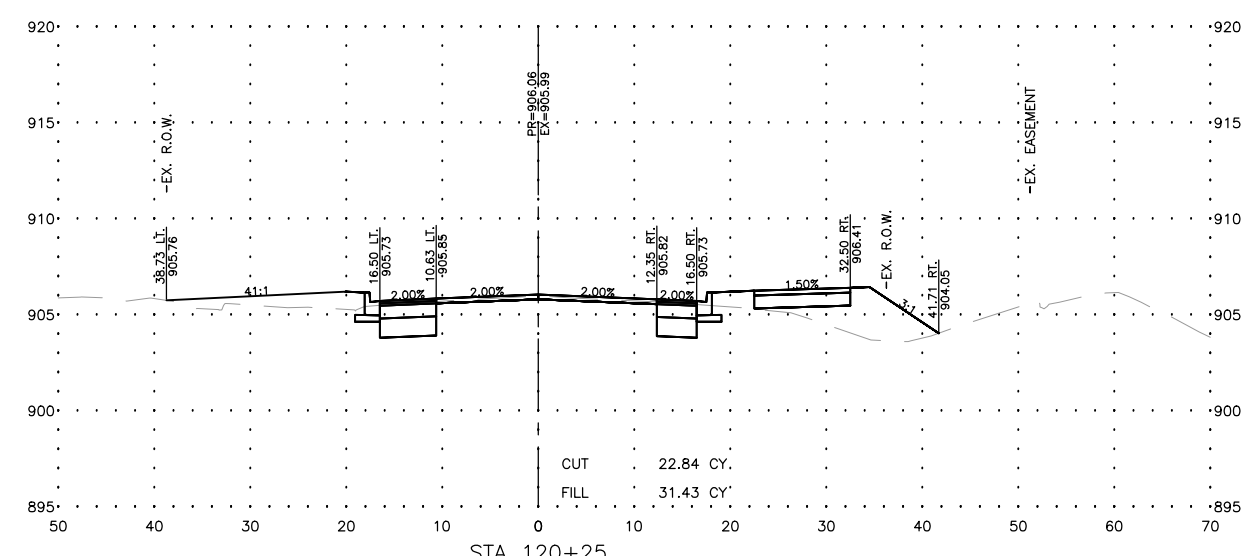
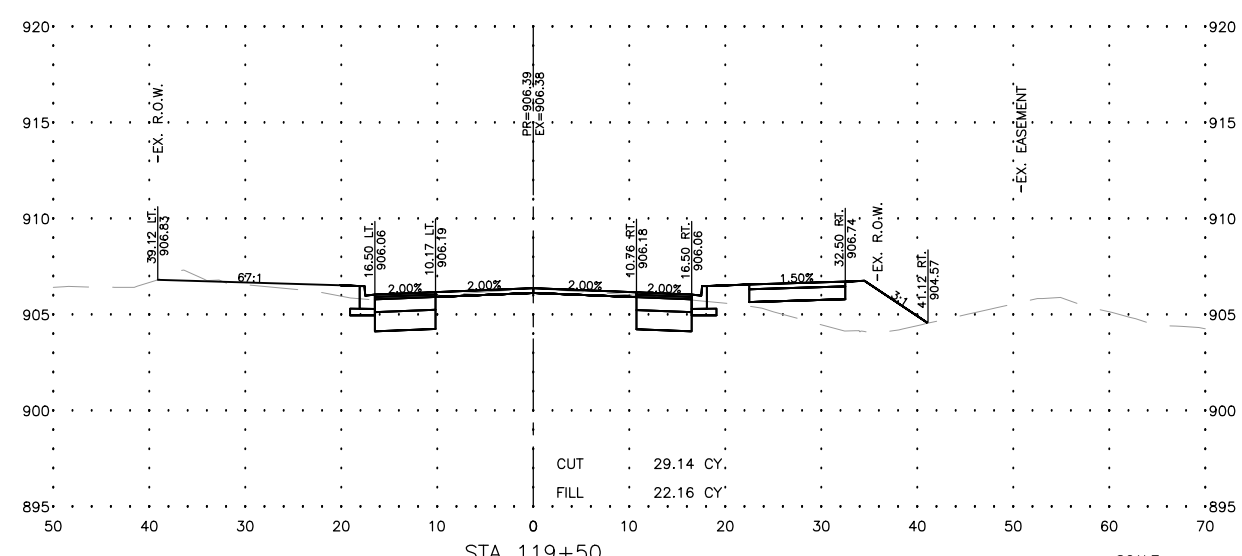
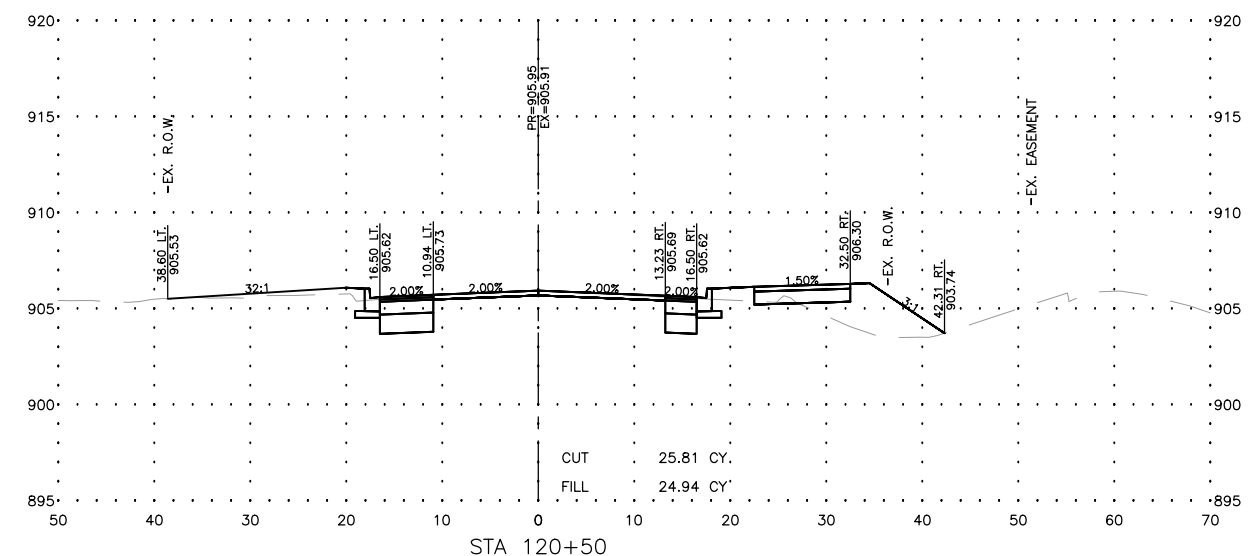
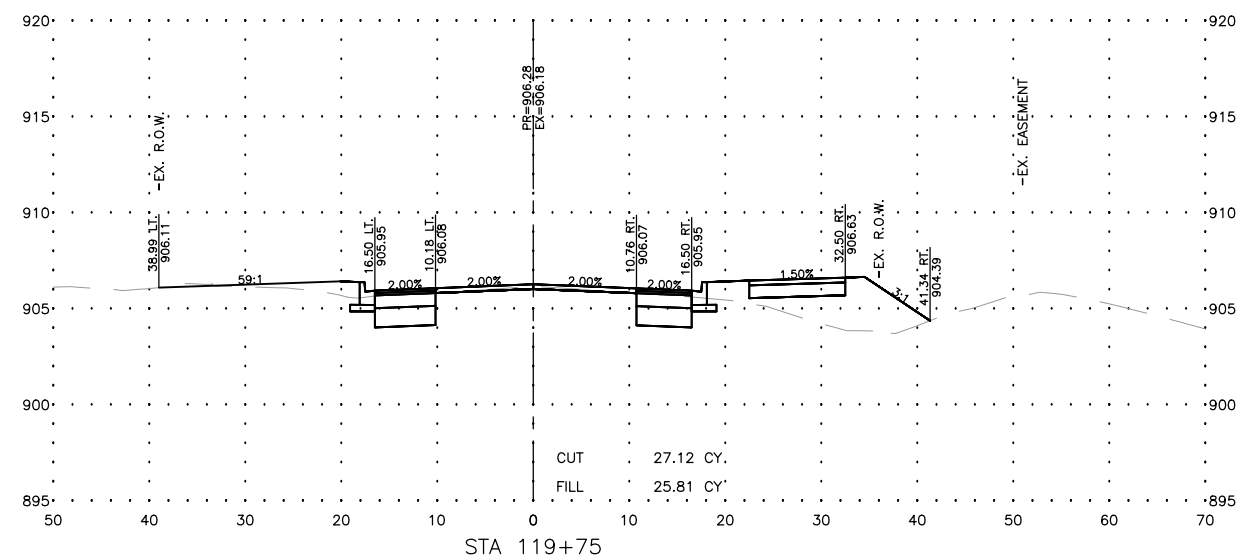
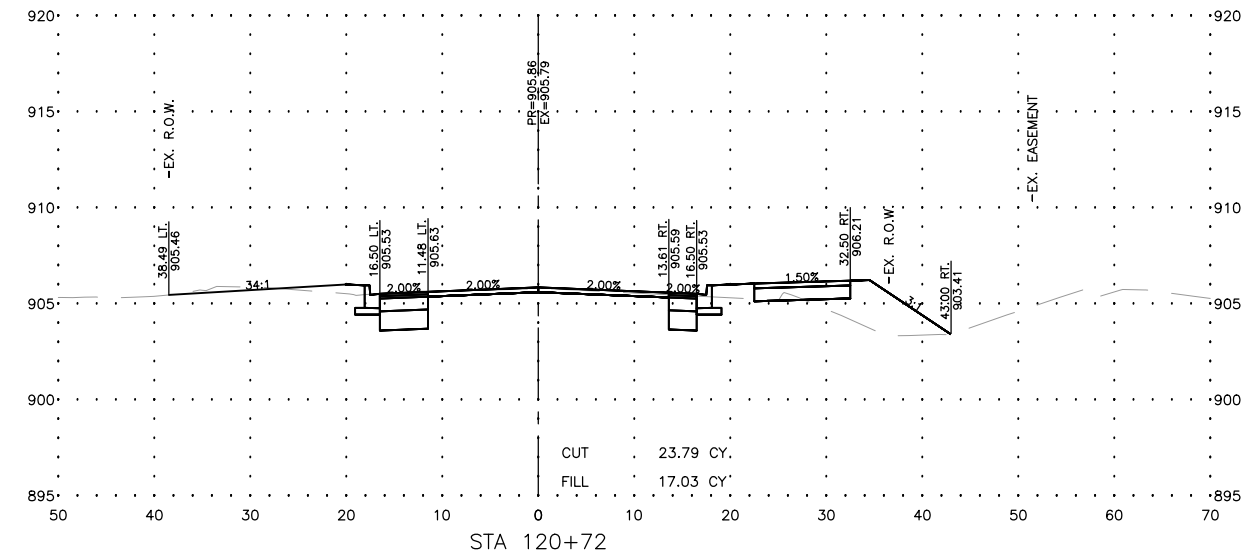
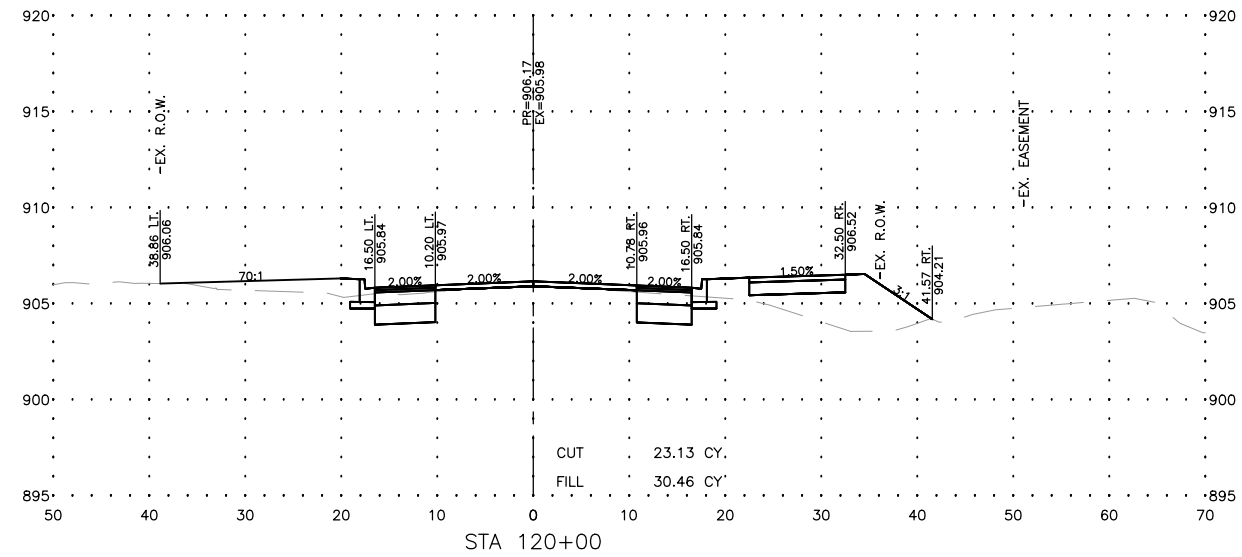
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

THREE OAKS ROAD - CROSS SECTIONS

SCALE: AS NOTED SHEET 114 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	114
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				

MODEL: C:\3D\22-071 PH01\22-071 Corridor.dwg, OAKS X--Sec 12



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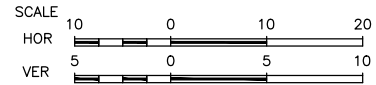
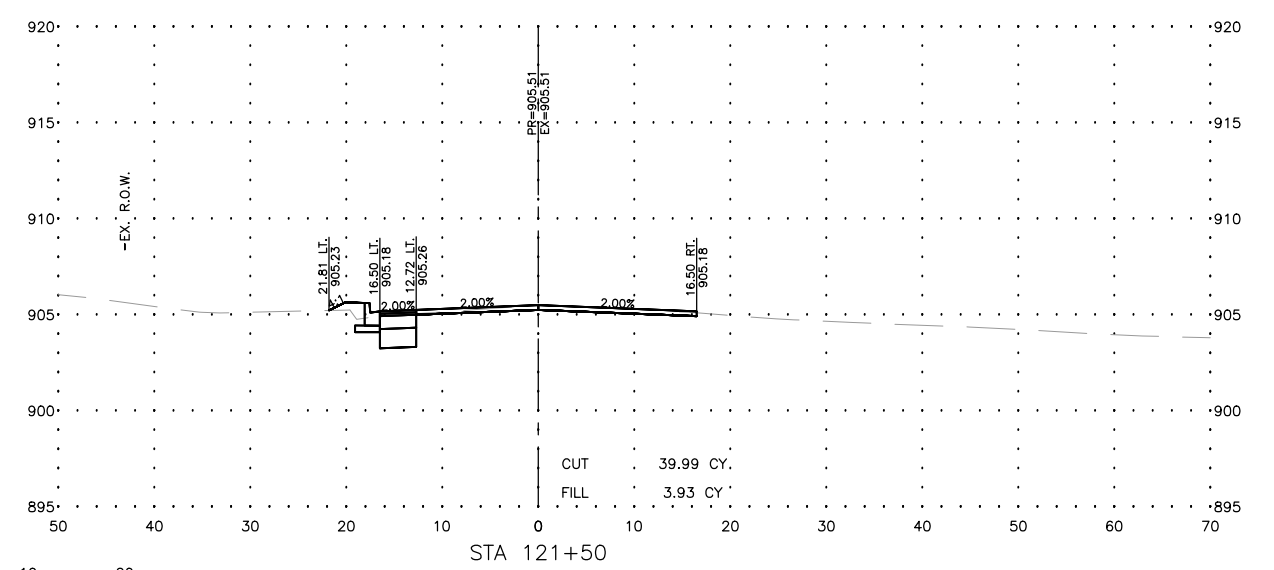
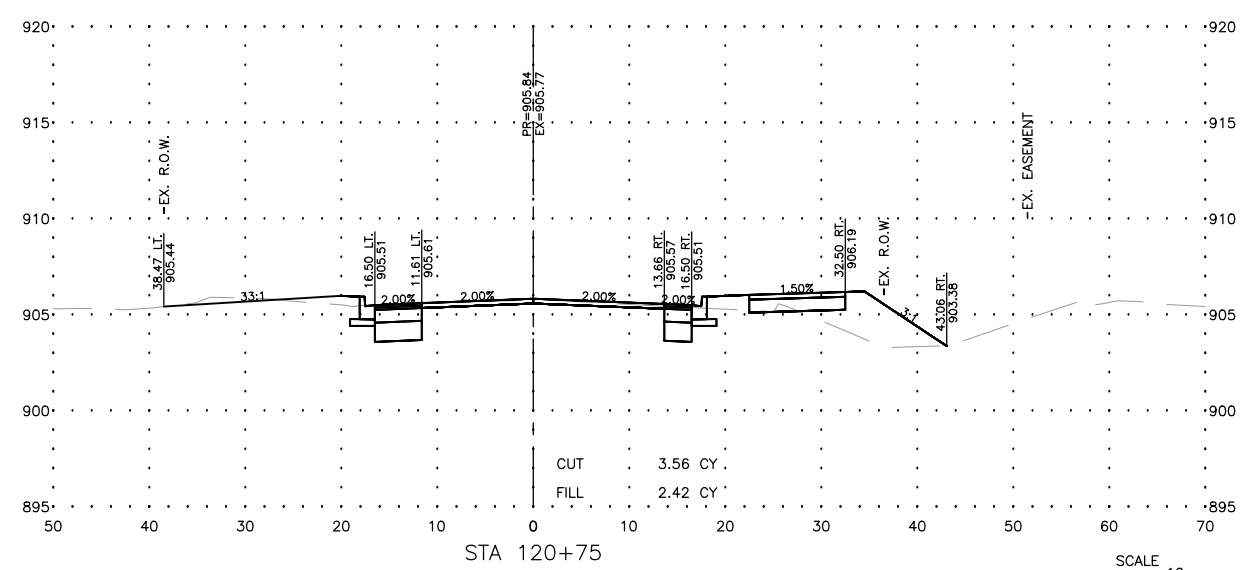
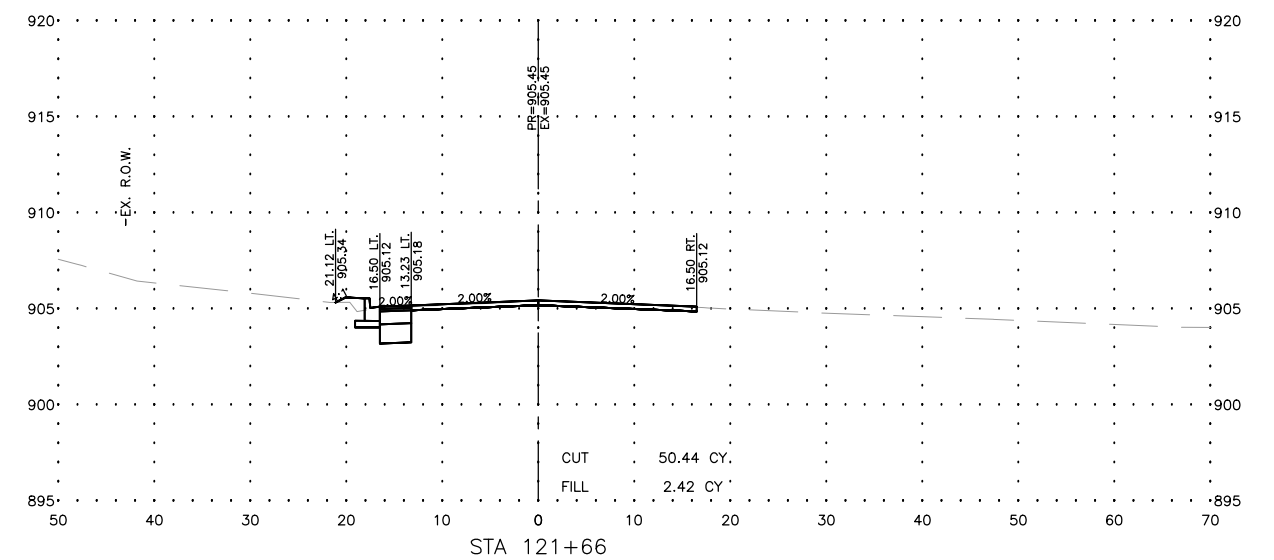
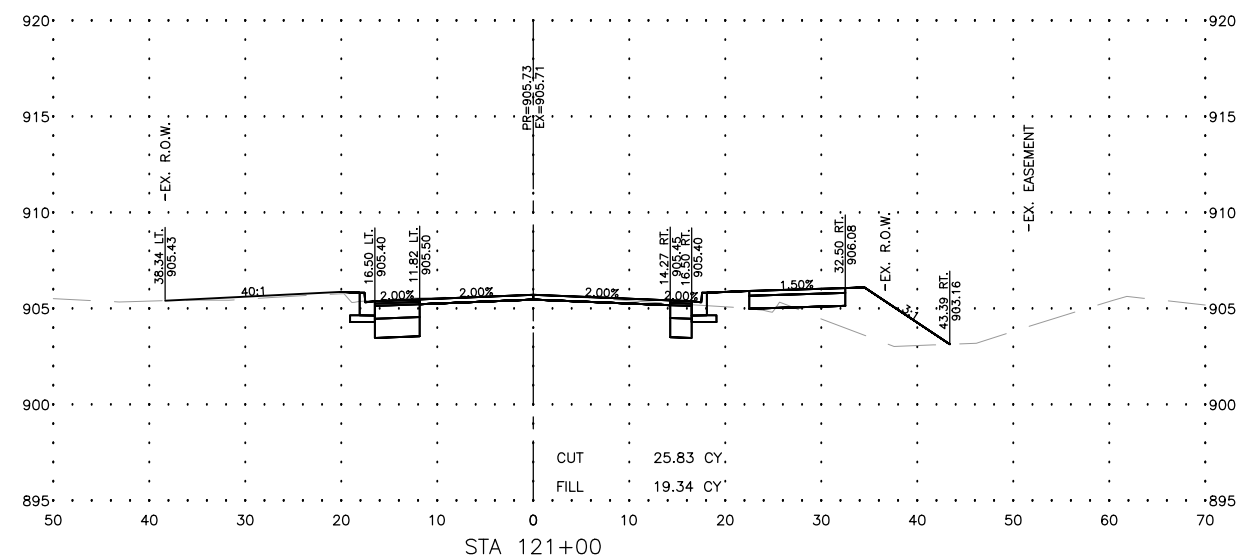
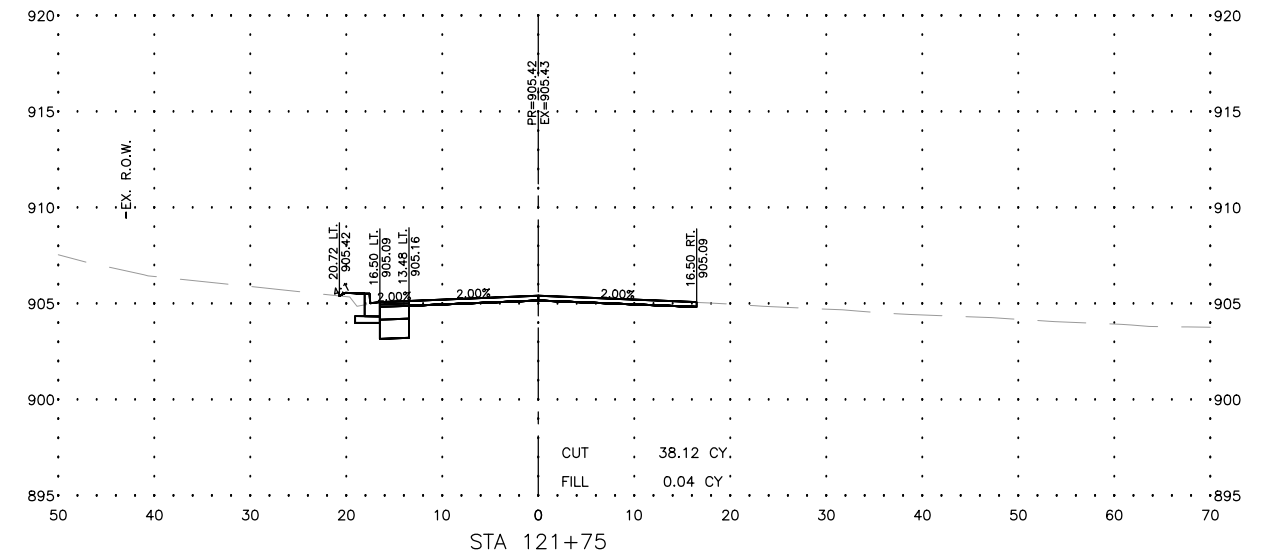
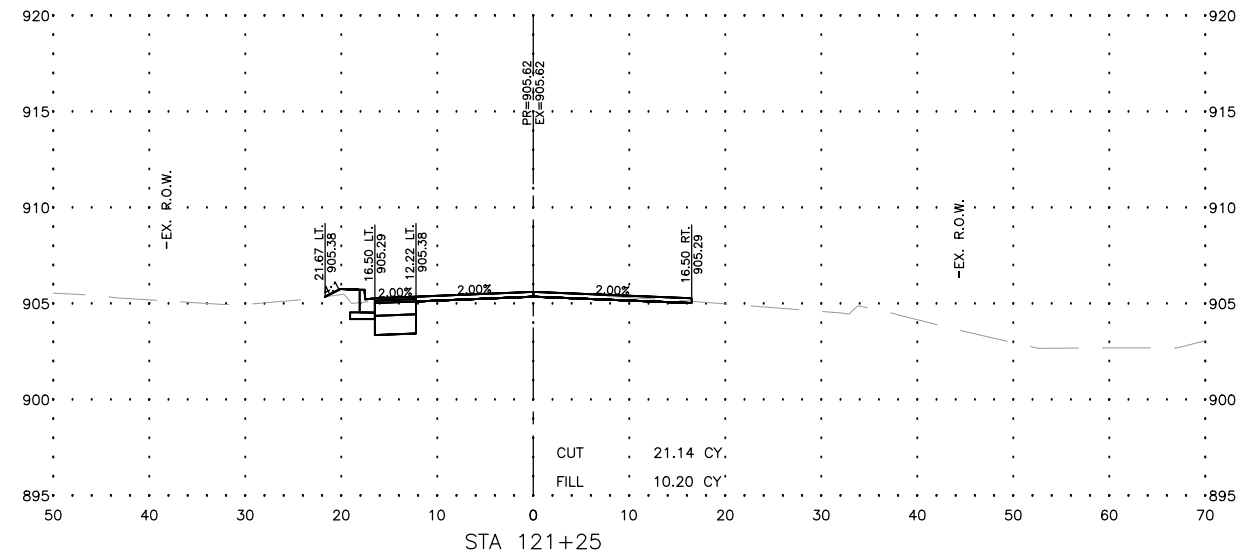
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

THREE OAKS ROAD - CROSS SECTIONS

SCALE: AS NOTED SHEET 115 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	115
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				

MODEL: C:\3D\22-071 PH01\22-071 Corridor.dwg, OAKS X--Sec 13



USER NAME = BF/YJ	DESIGNED = VL	REVISED =
PLOT SCALE = AS NOTED	DRAWN = BF/YJ	REVISED =
PLOT DATE = 2/15/24	CHECKED =	REVISED =
	DATE = 03/01/23	REVISED =

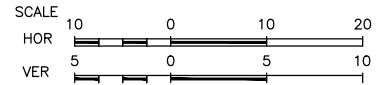
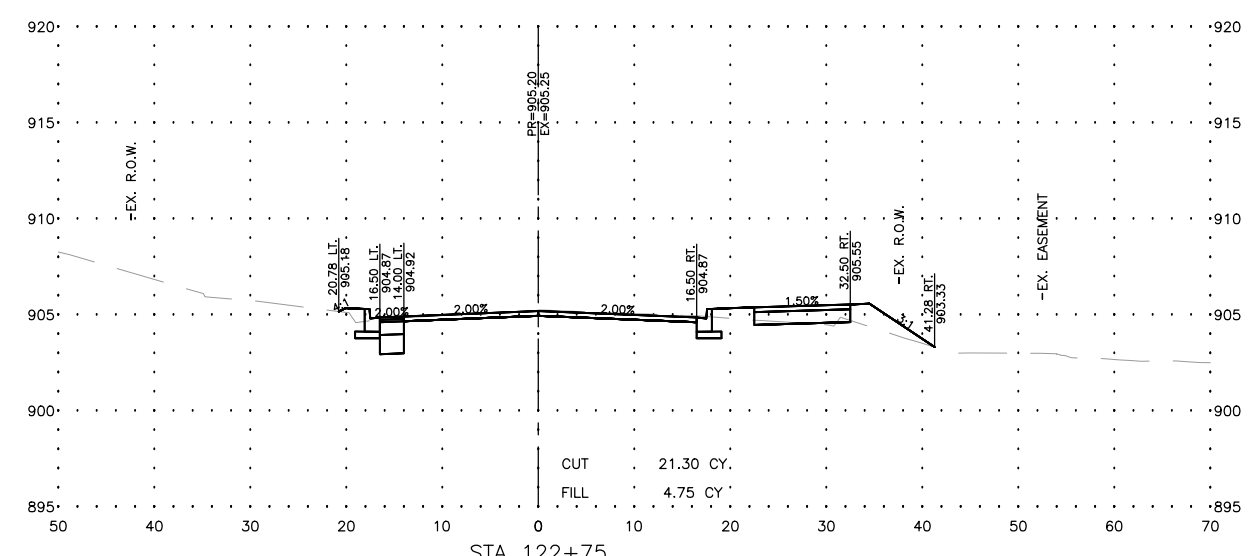
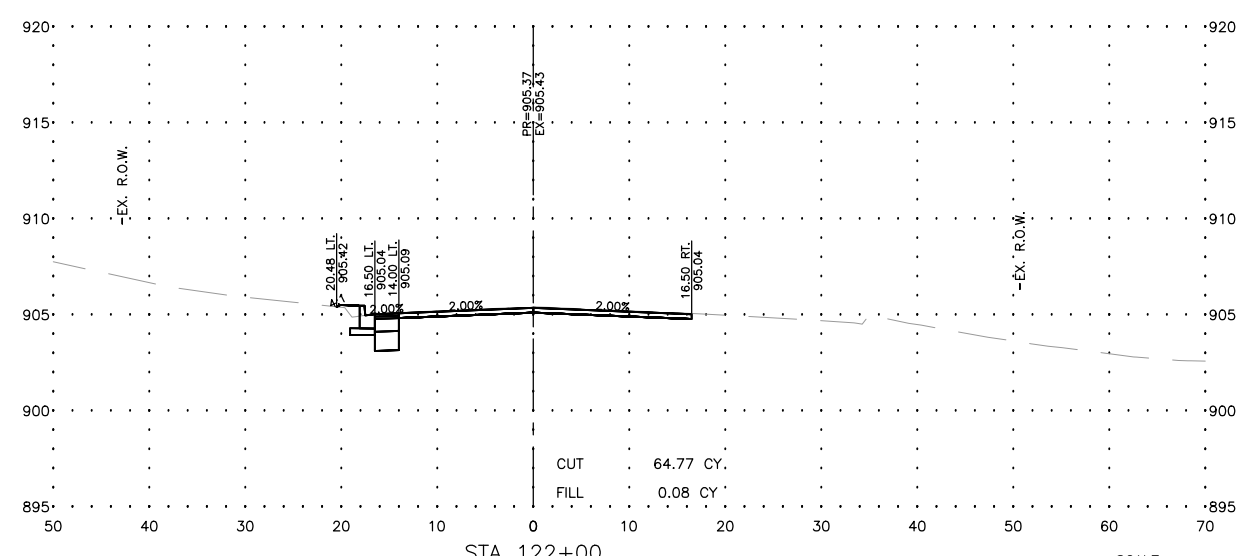
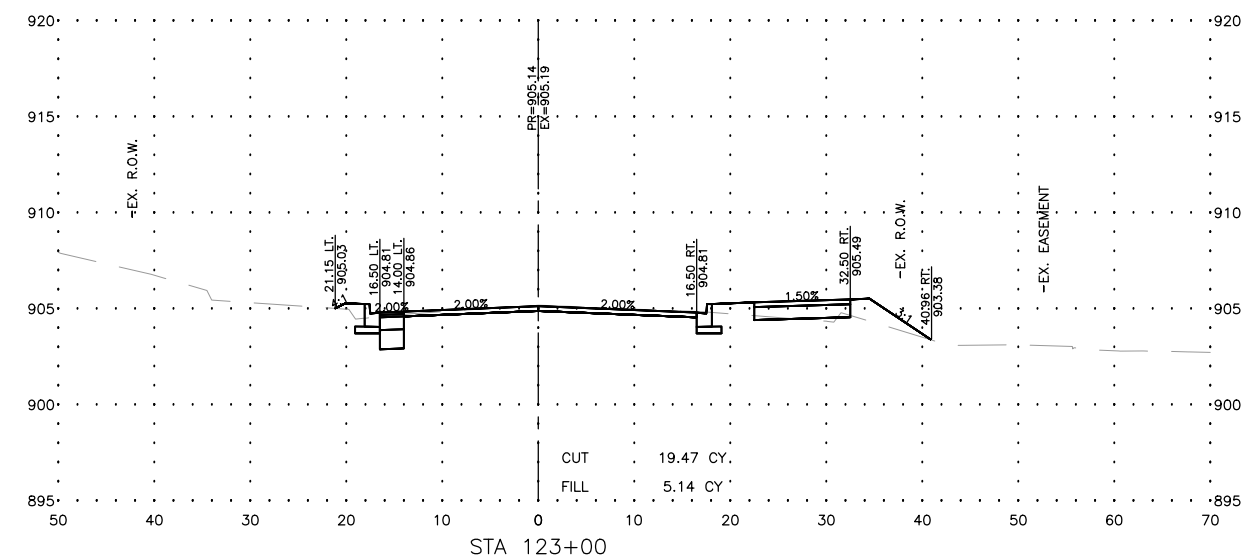
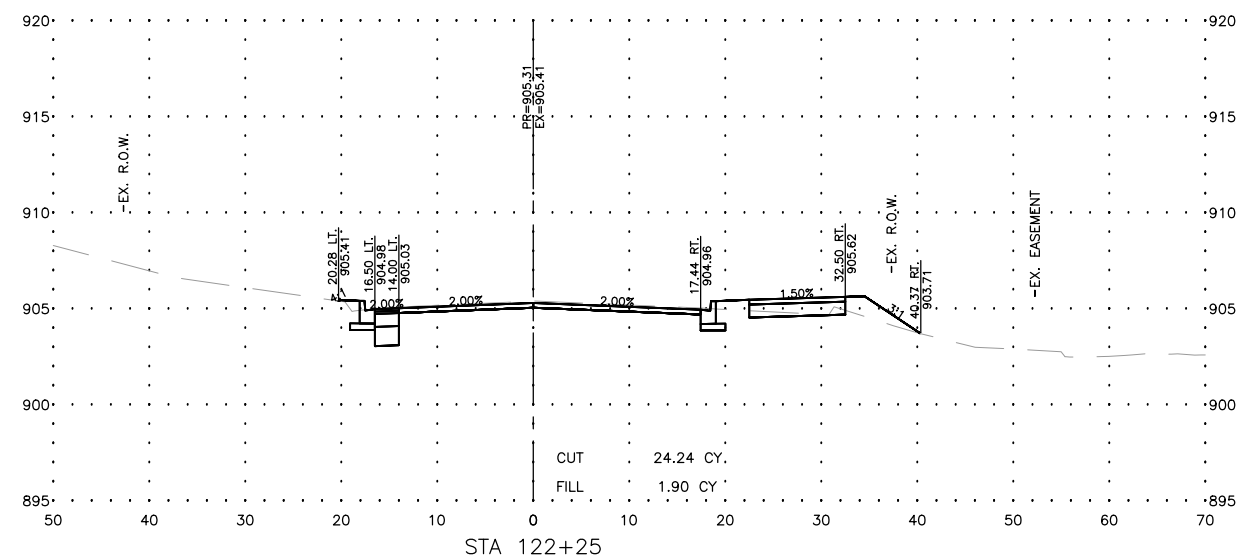
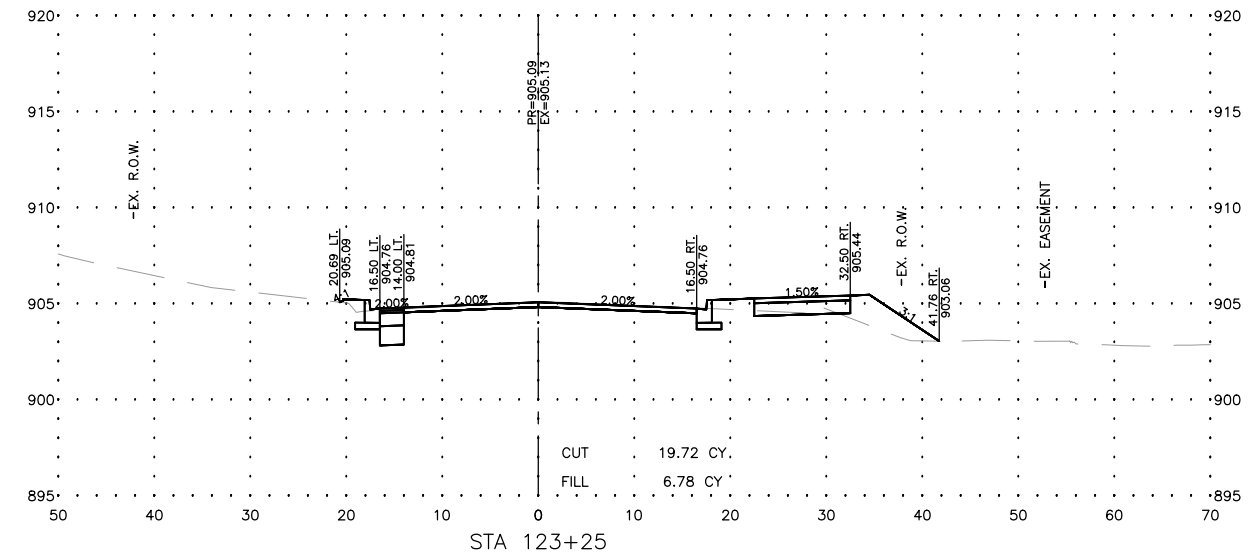
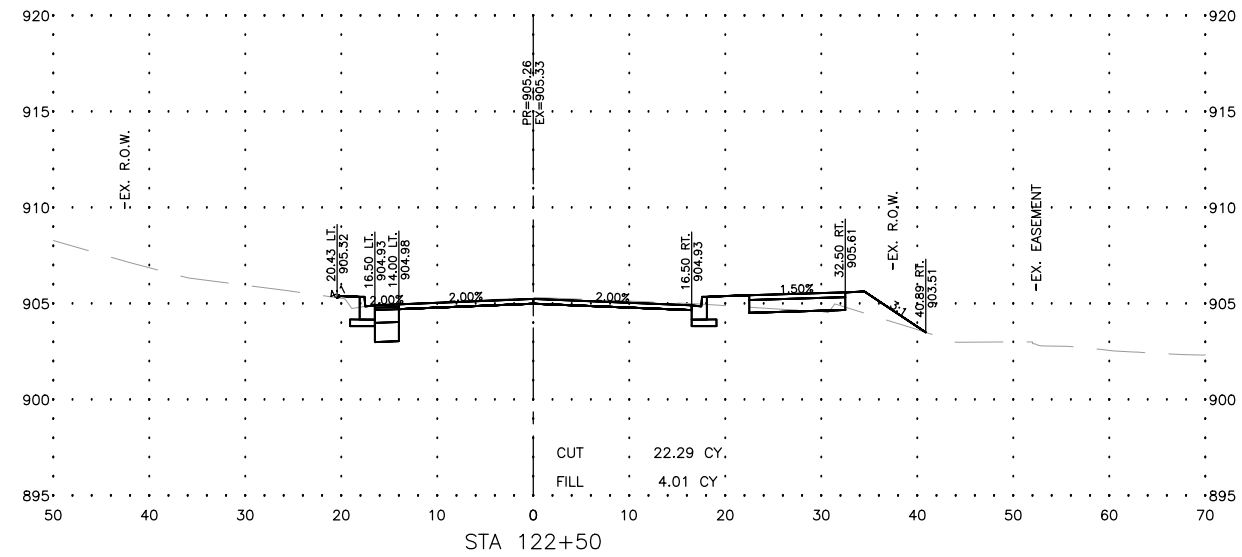
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

THREE OAKS ROAD - CROSS SECTIONS

SCALE: AS NOTED SHEET116 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	116
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				

MODEL: C:\3D\22-071 PH01\22-071 Corridor.dwg, OAKS X--Sec 14
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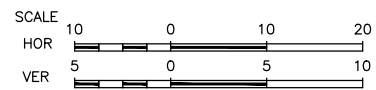
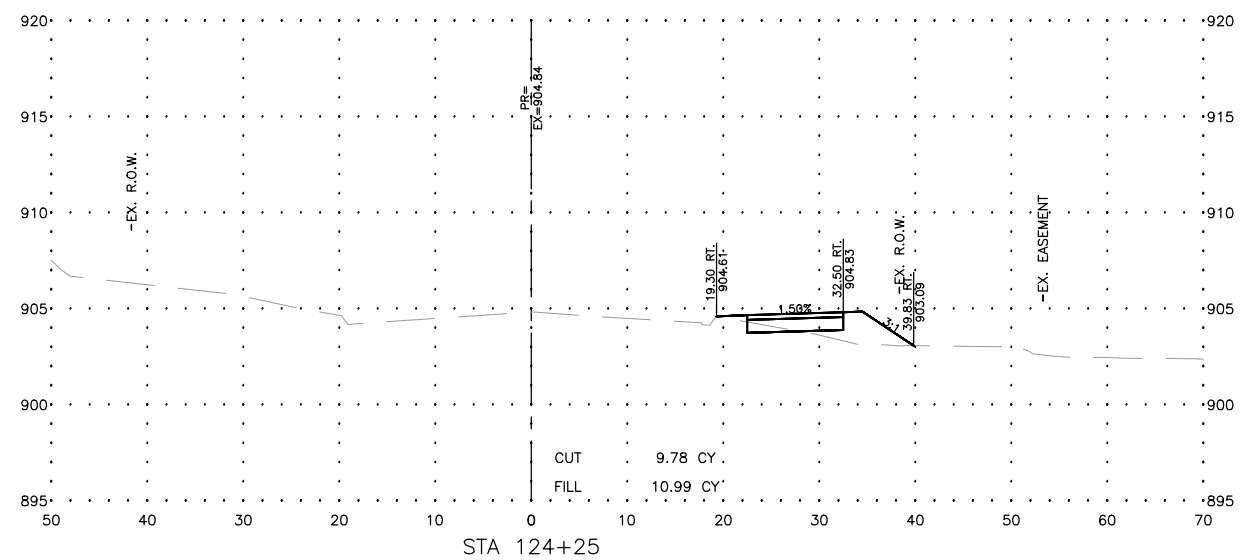
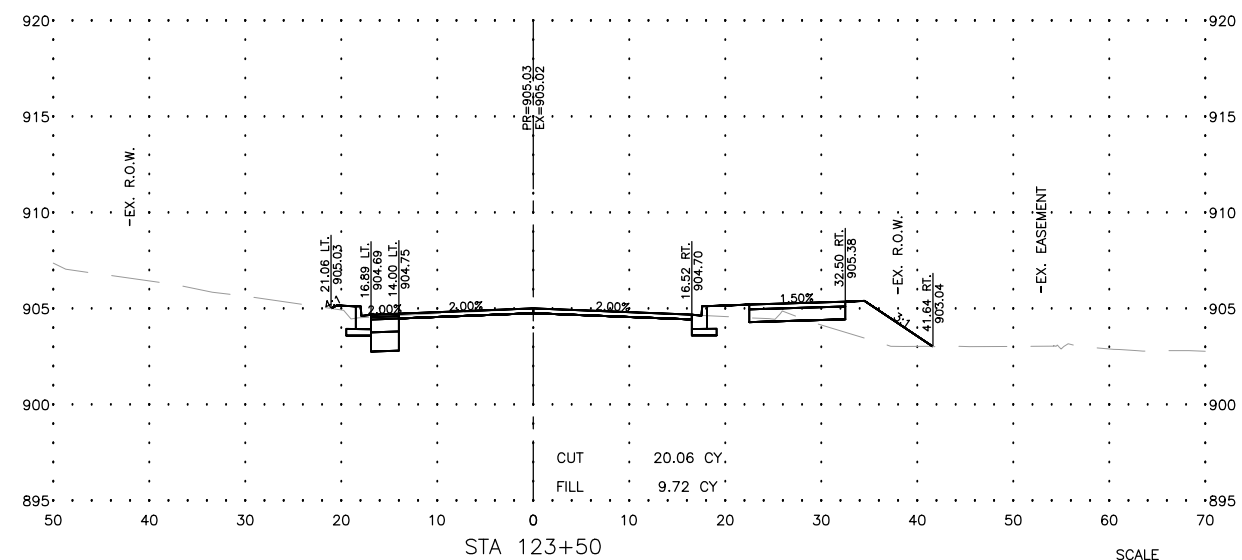
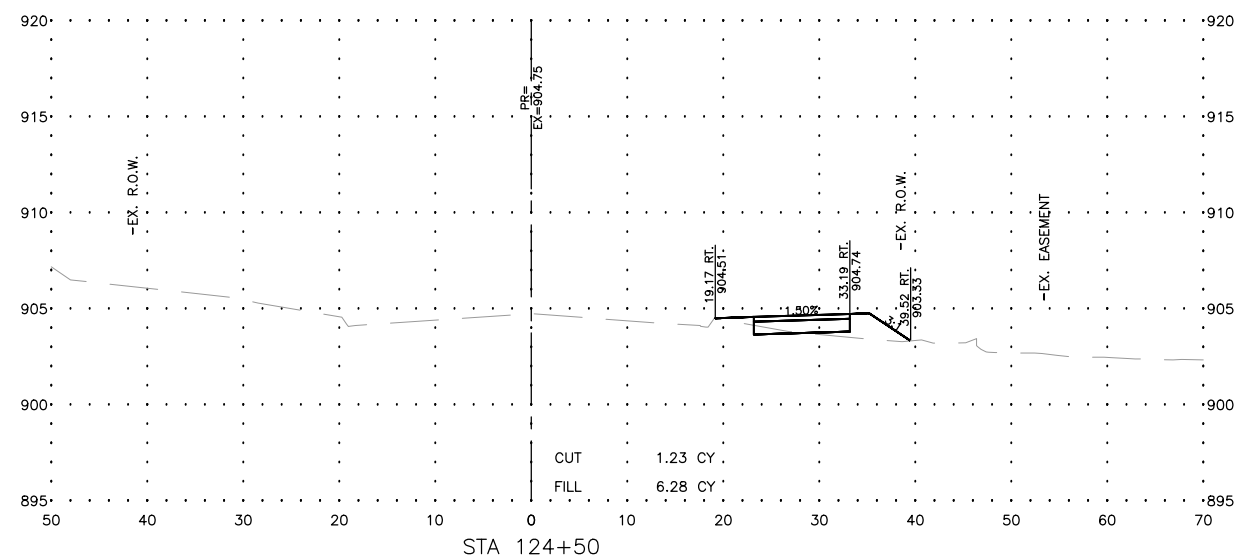
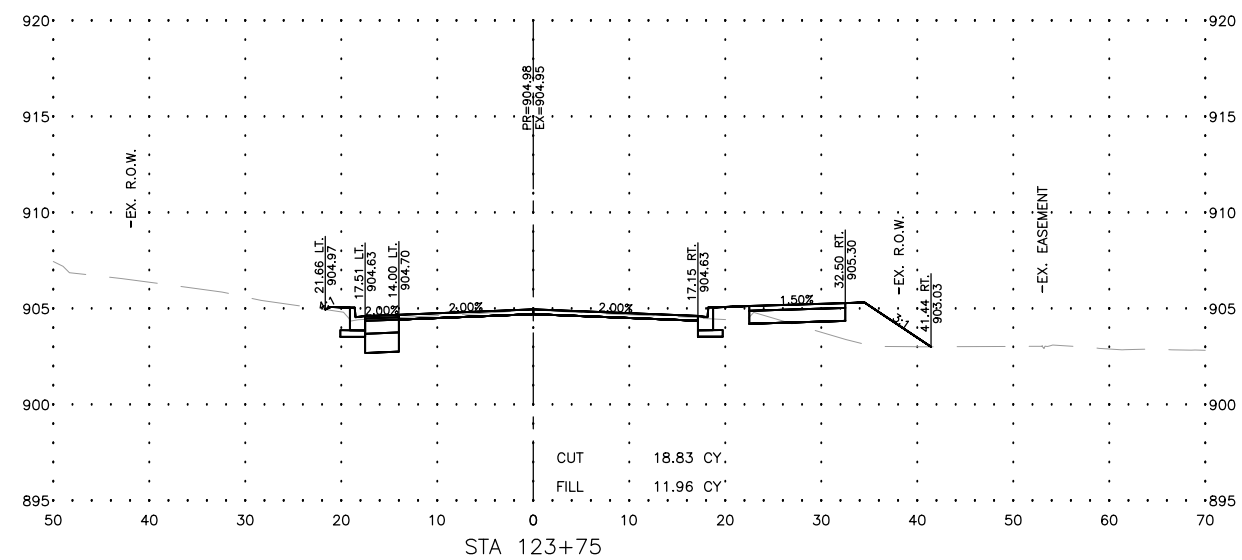
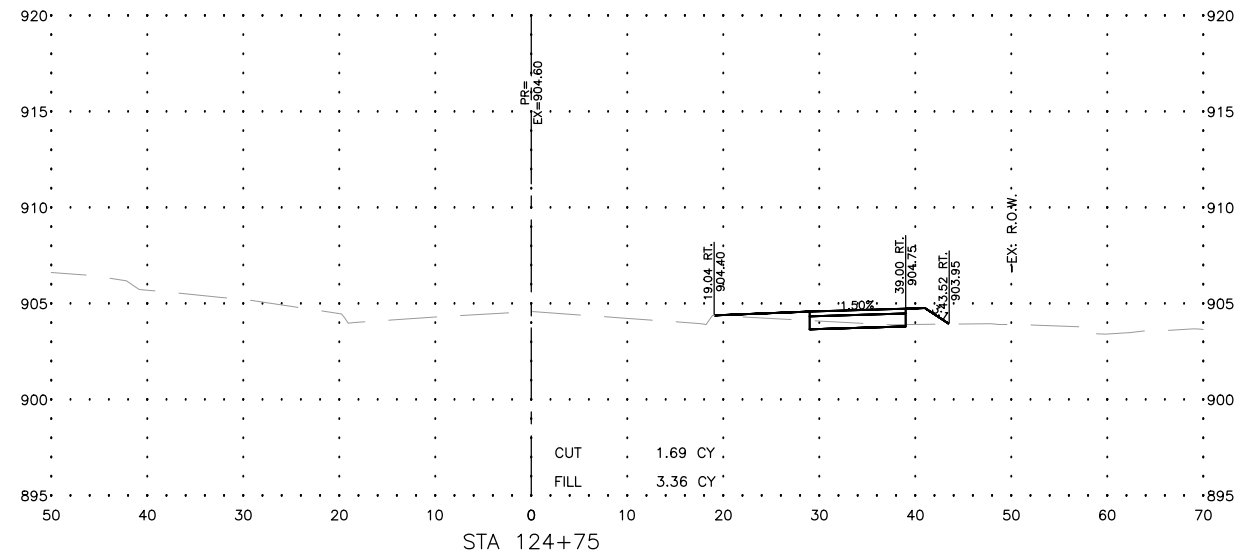
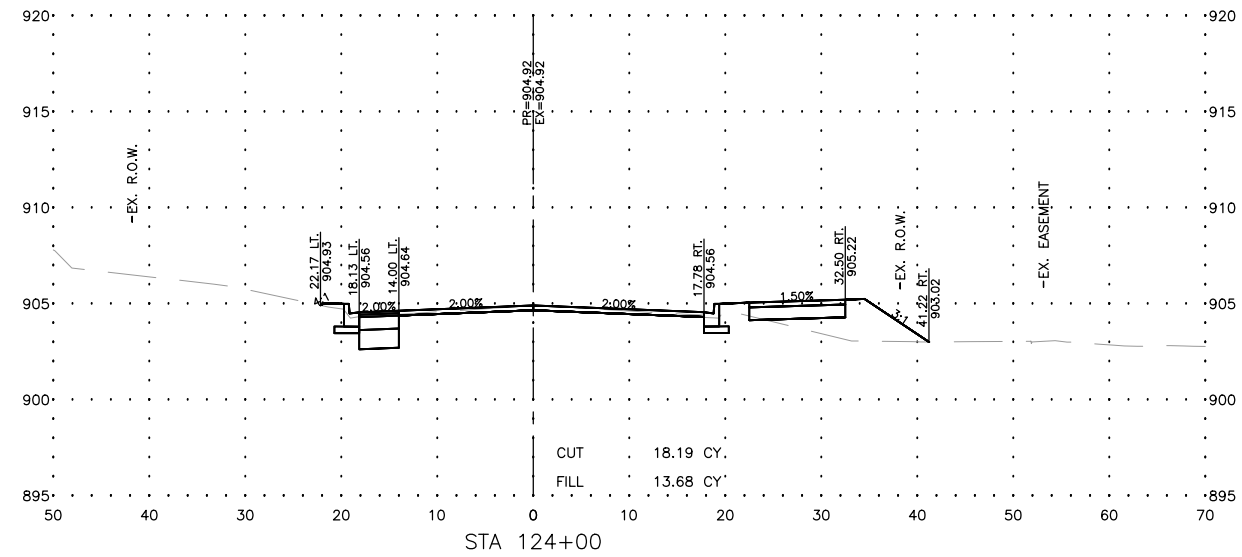
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

THREE OAKS ROAD - CROSS SECTIONS

SCALE: AS NOTED SHEET 117 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	117
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				

MODEL: C:\3D\22-071 PH01\22-071 Corridor.dwg, OAKS X--Sec 15



USER NAME = BF/YJ	DESIGNED = VL	REVISED =
PLOT SCALE = AS NOTED	DRAWN = BF/YJ	REVISED =
PLOT DATE = 2/15/24	CHECKED =	REVISED =
	DATE = 03/01/23	REVISED =

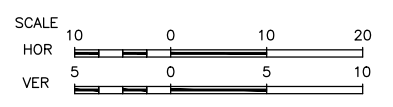
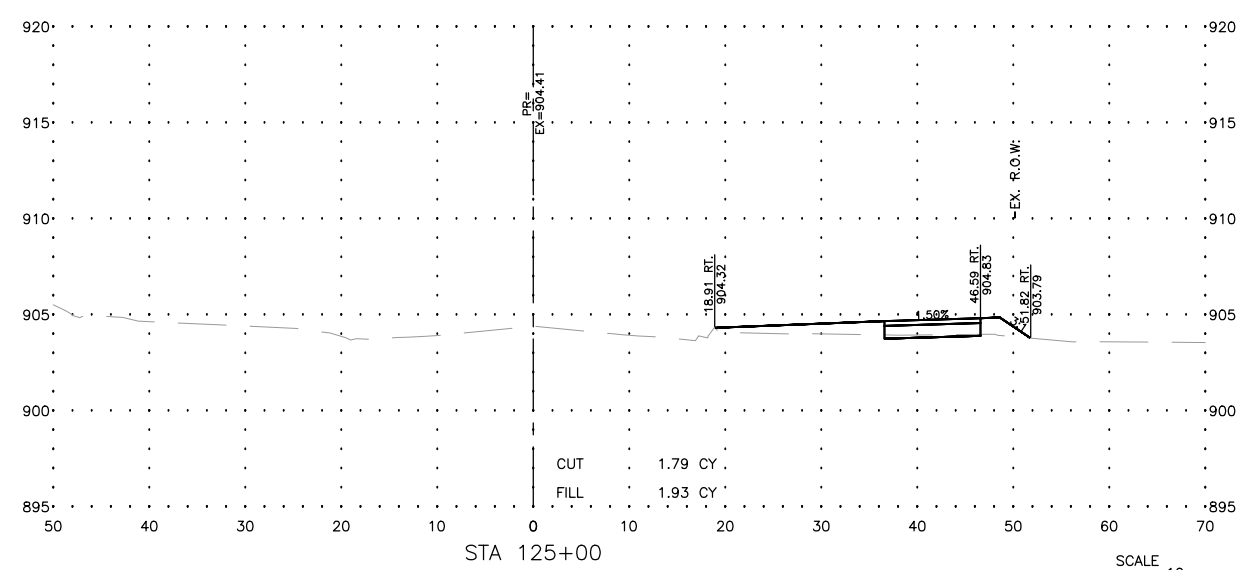
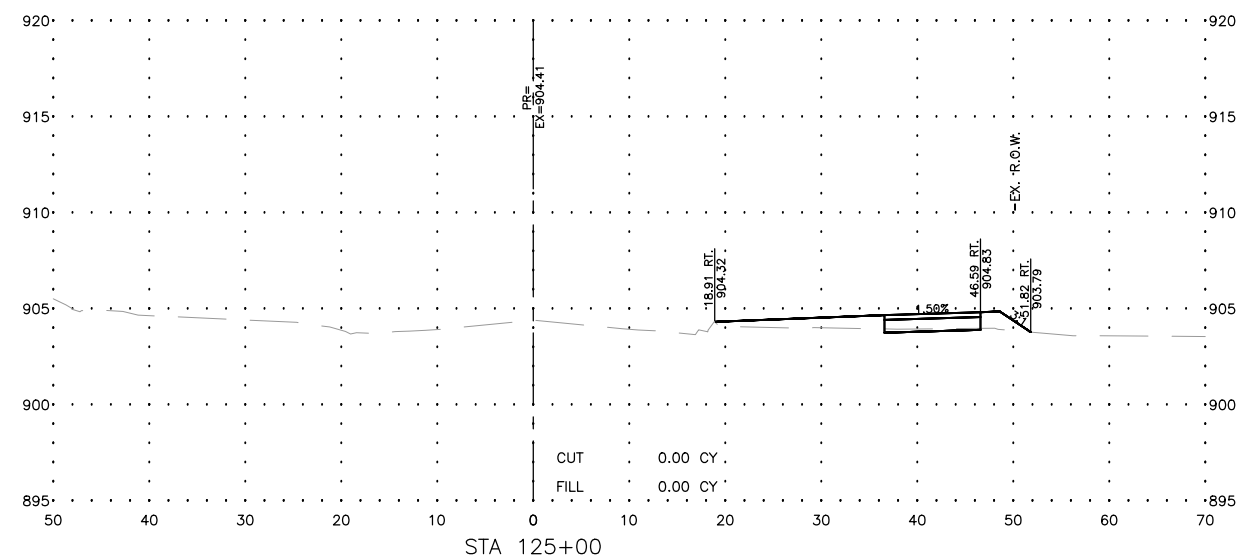
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

THREE OAKS ROAD - CROSS SECTIONS

SCALE: AS NOTED SHEET118 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	118
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				

MODEL: FILE NAME: C:\3D\22-071 PH01\22-071 Corridor.dwg, OAKS X-Sec 16



USER NAME = BF/YJ	DESIGNED -- VL	REVISED --
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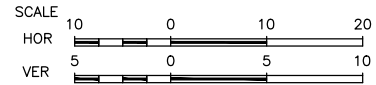
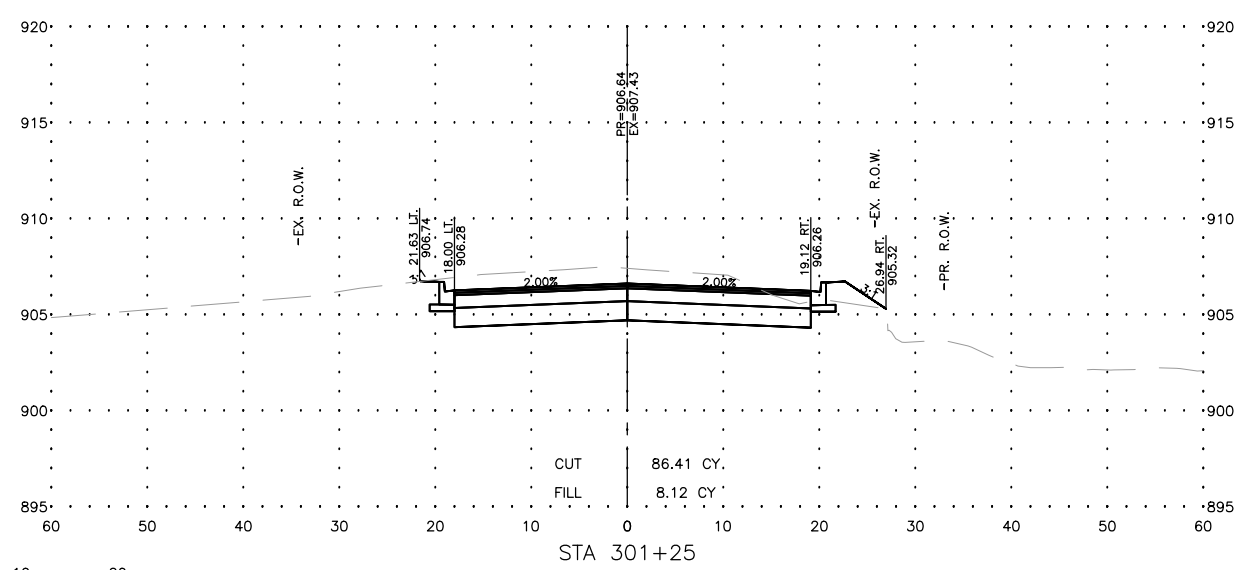
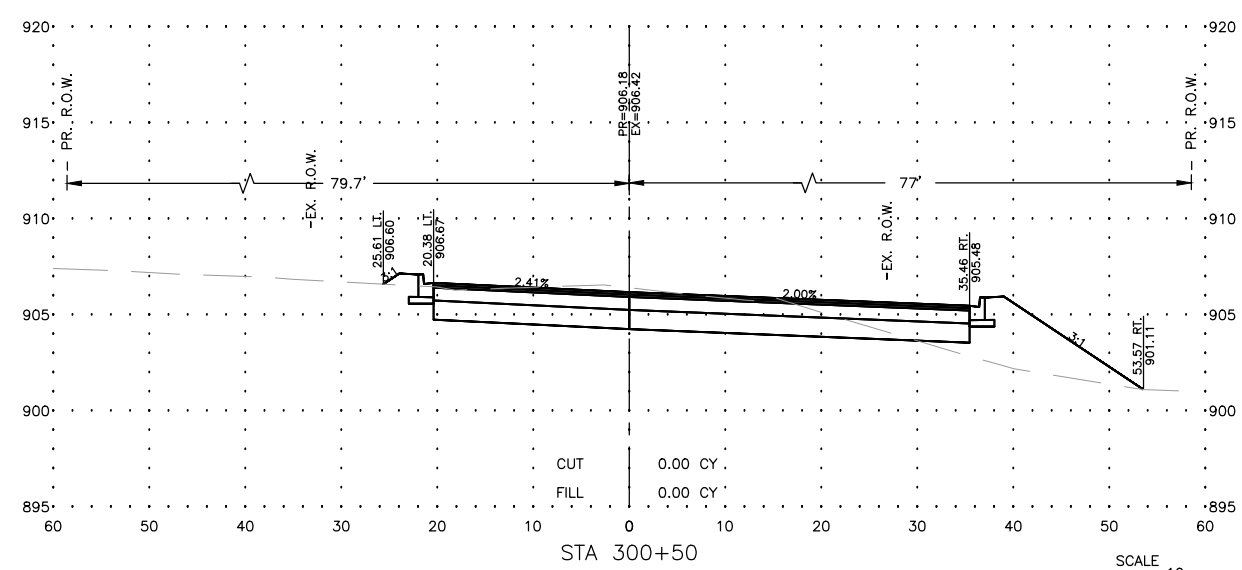
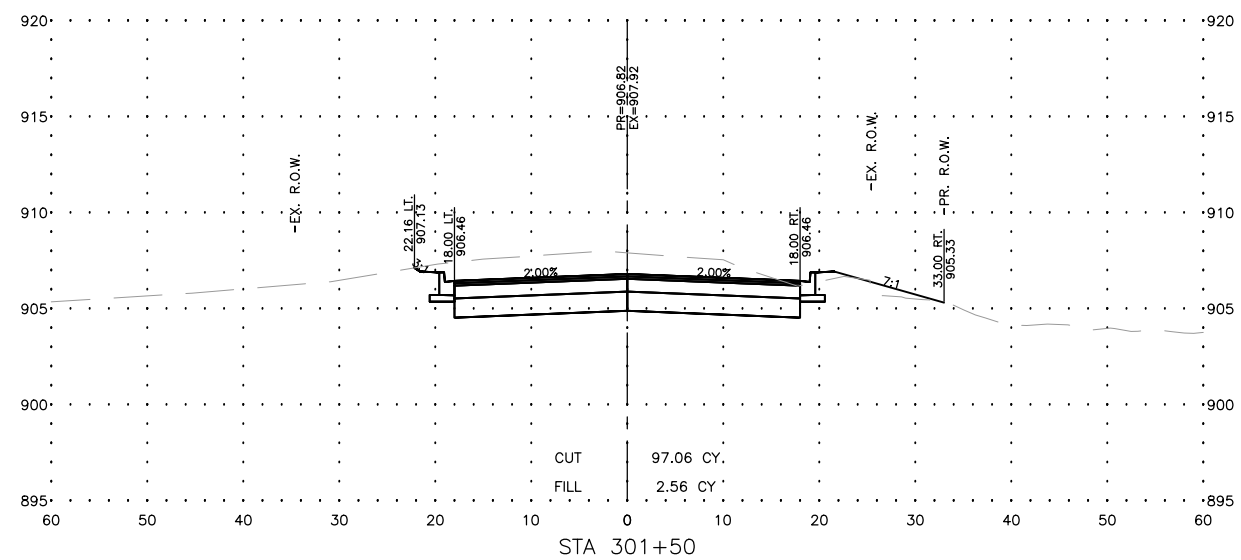
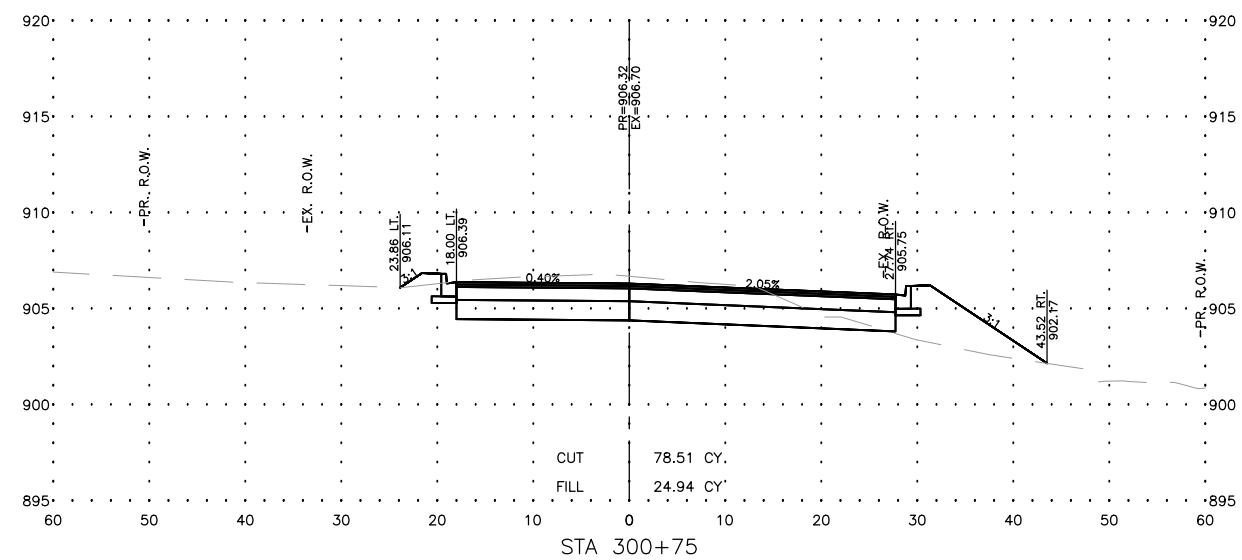
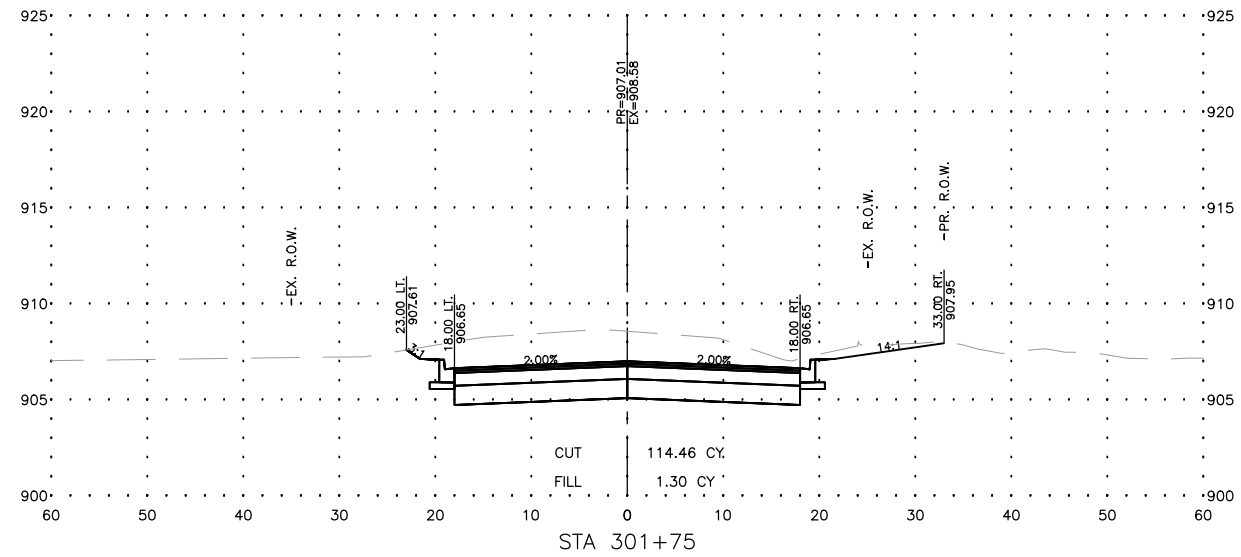
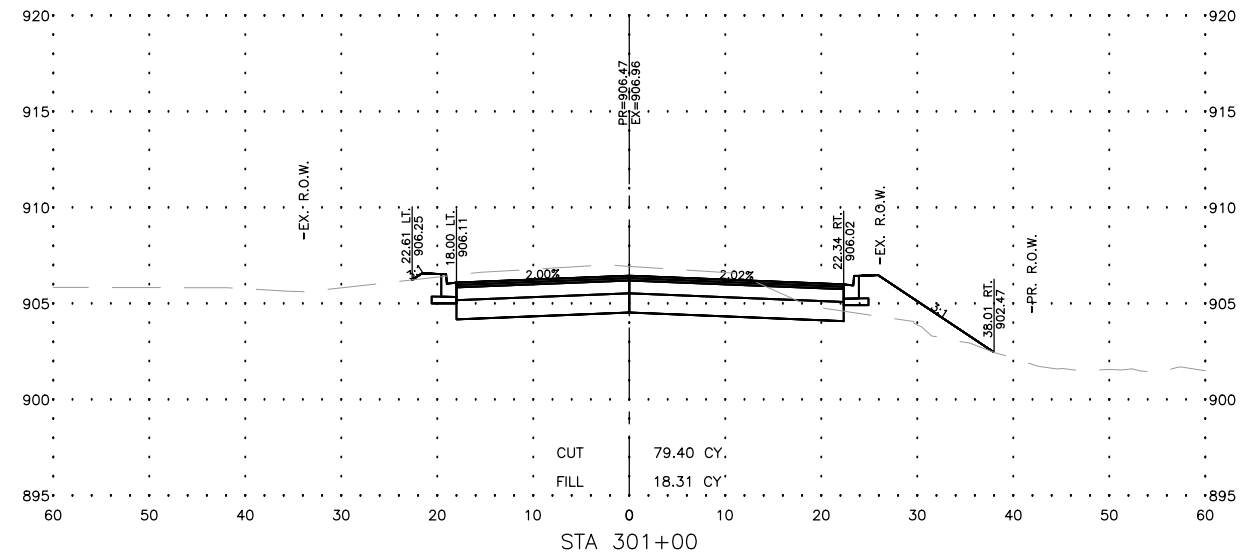
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

THREE OAKS ROAD - CROSS SECTIONS

SCALE: AS NOTED SHEET119 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	119
CONTRACT NO 61K35			ILLINOIS FED. AID PROJECT	

MODEL: C:\3D\22-071 PH01\22-071 Corridor.dwg, Sands X--Sec 1



USER NAME = BF/YJ	DESIGNED = VL	REVISED =
PLOT SCALE = AS NOTED	DRAWN = BF/YJ	REVISED =
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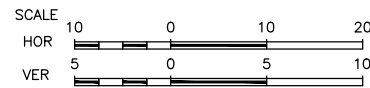
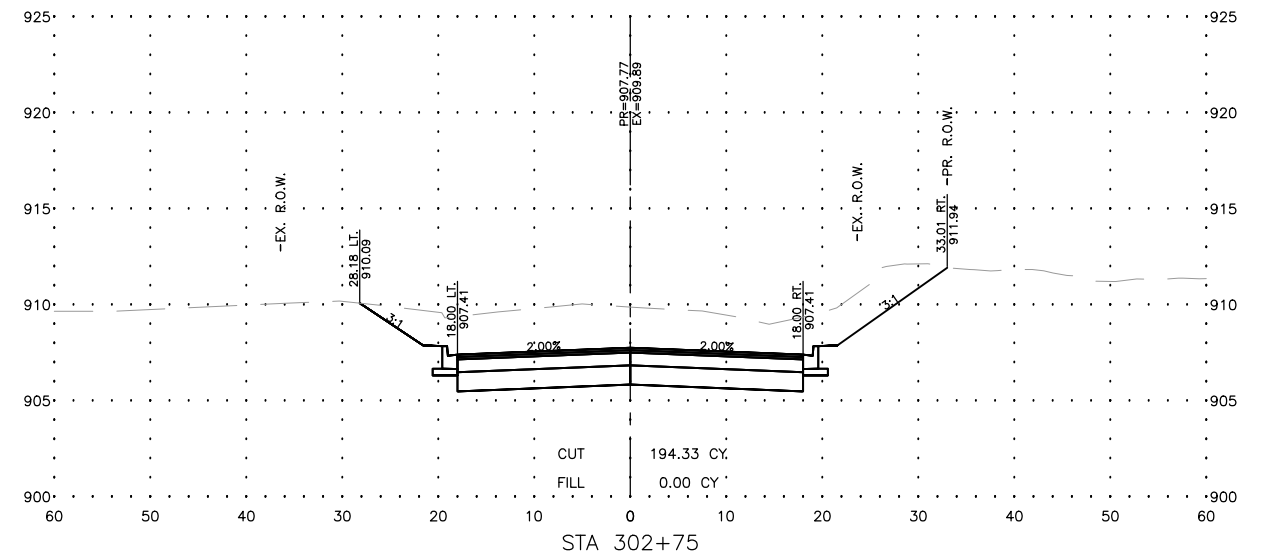
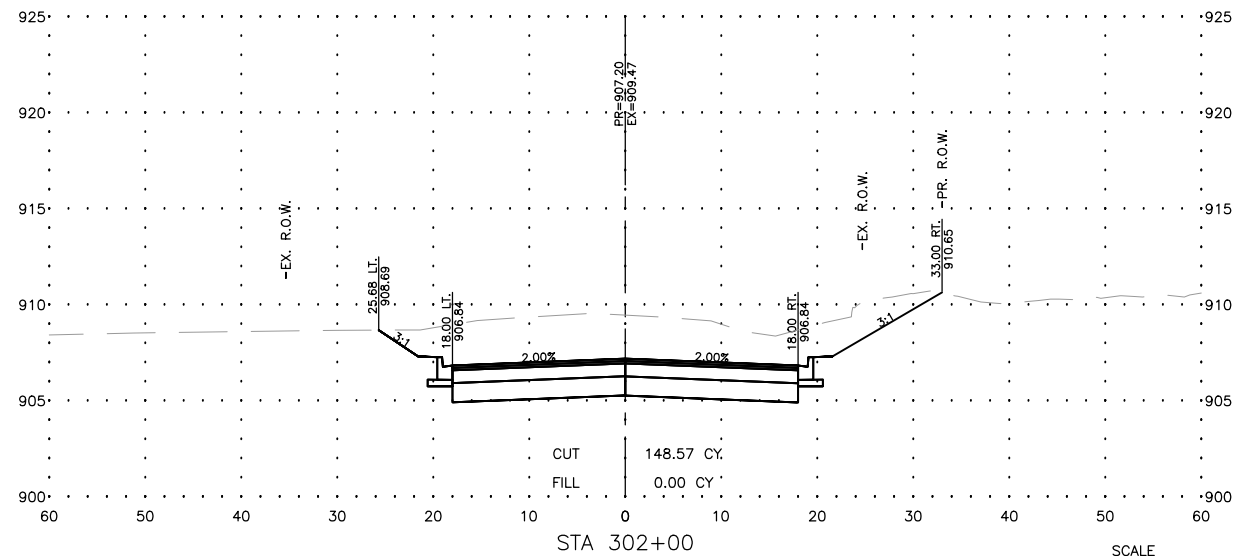
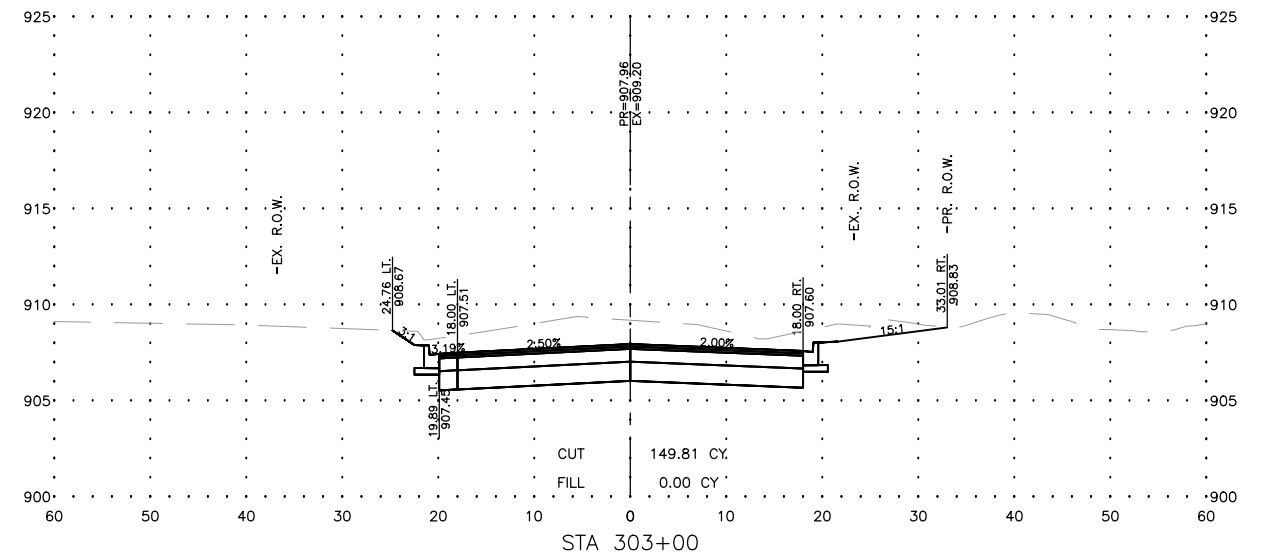
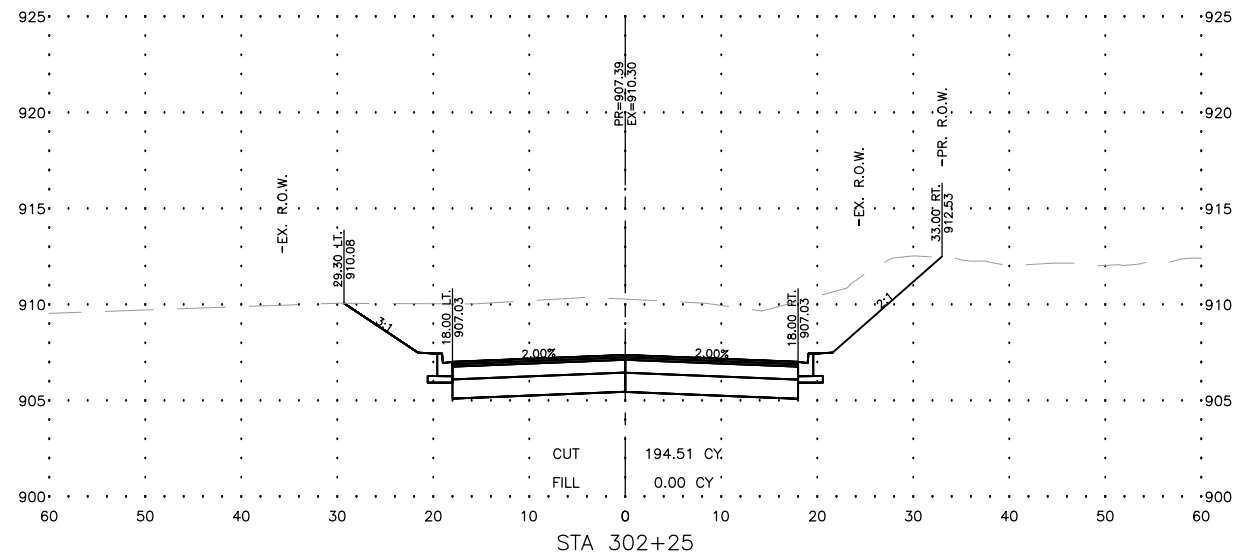
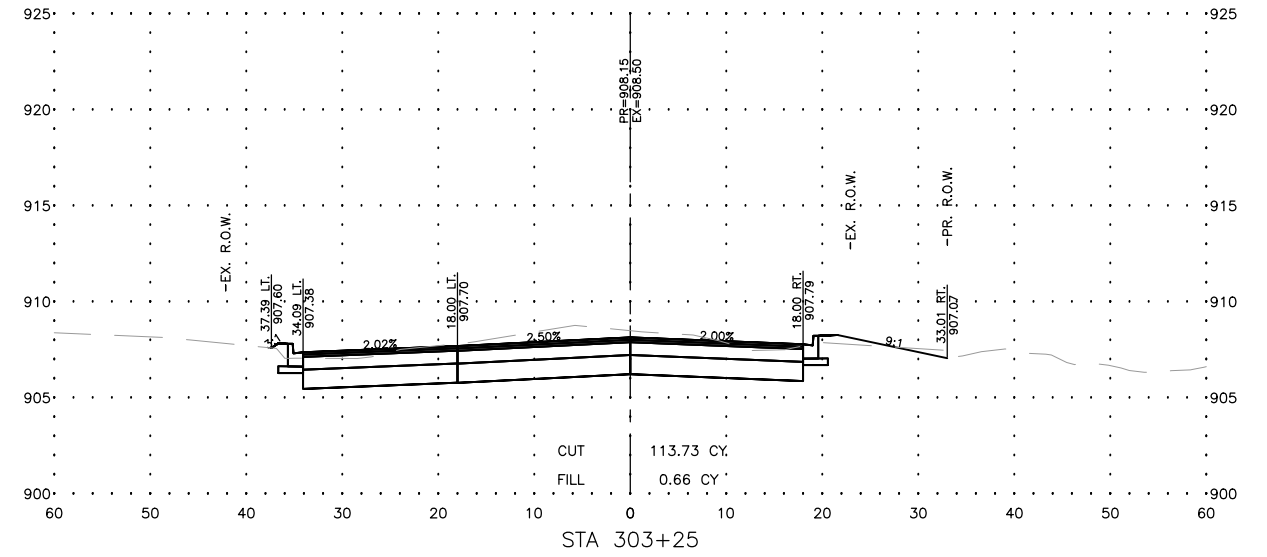
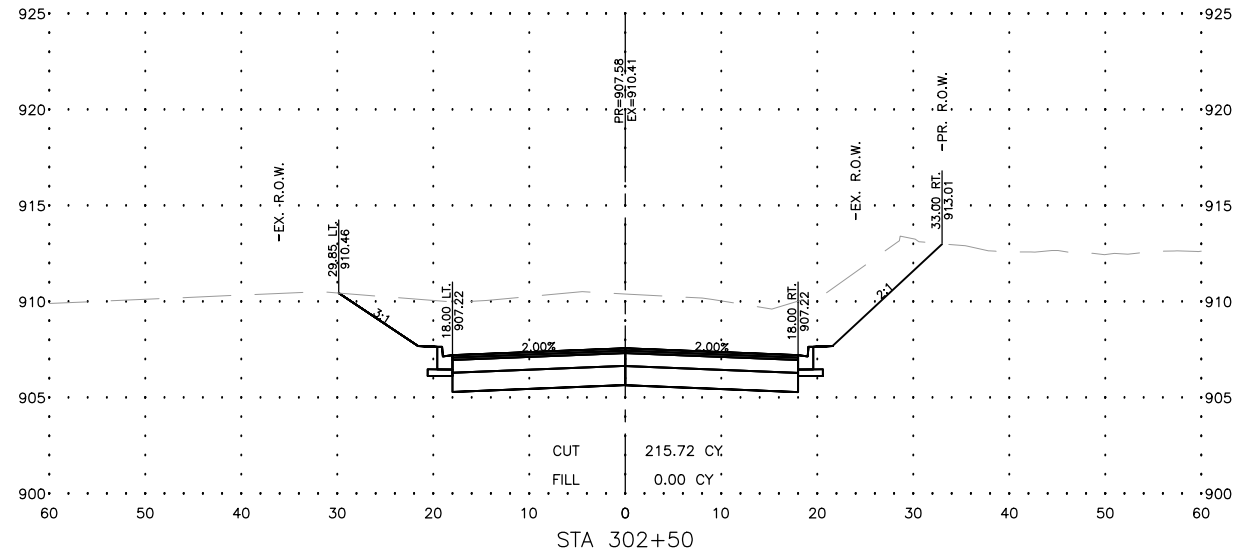
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SANDS ROAD - CROSS SECTIONS

SCALE: AS NOTED SHEET 120 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	120
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				

MODEL: C:\3D\22-071 PH01\22-071 Corridor.dwg, Sands X-Sec 2



USER NAME =BF/YJ
PLOT SCALE = AS NOTED
PLOT DATE = 2/15/24

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CHECKED --
DATE -- 03/01/23

REVISED --
REVISED --
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REVISED --

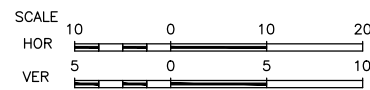
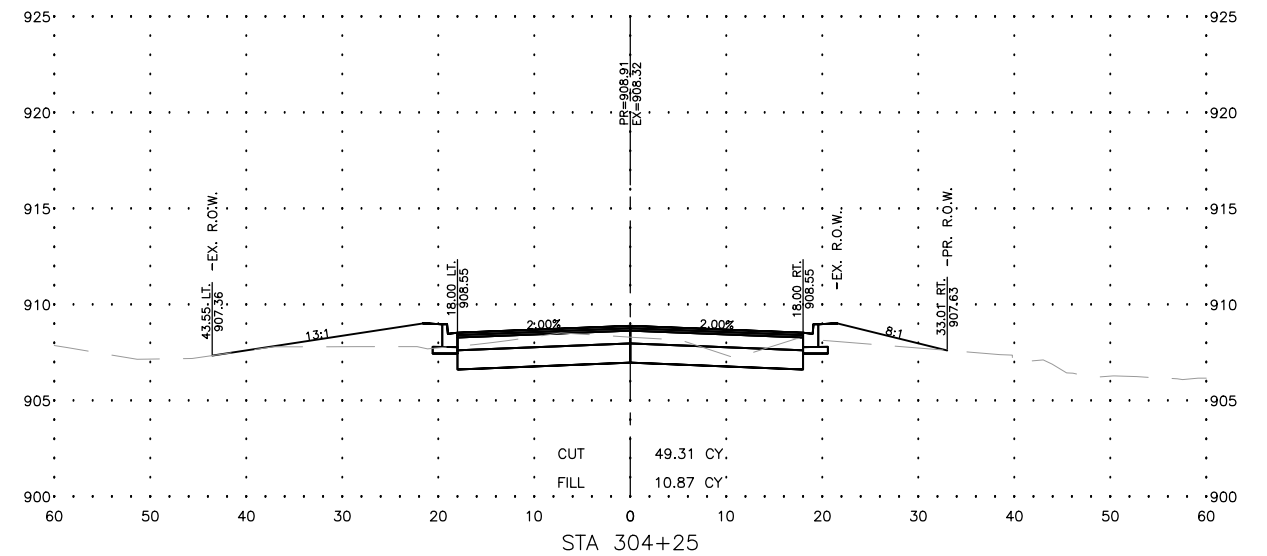
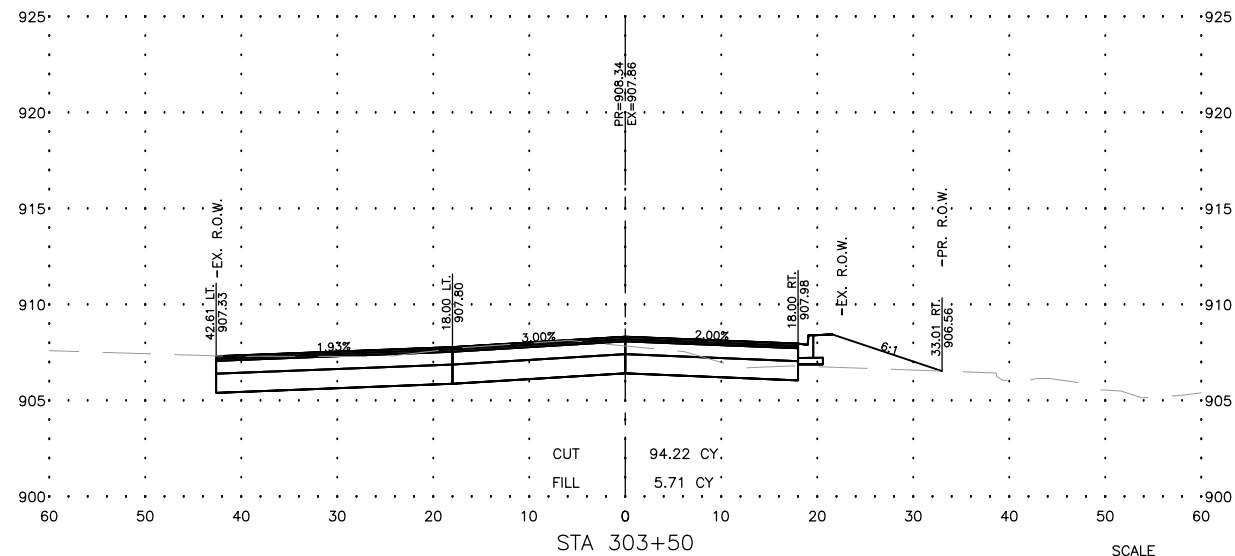
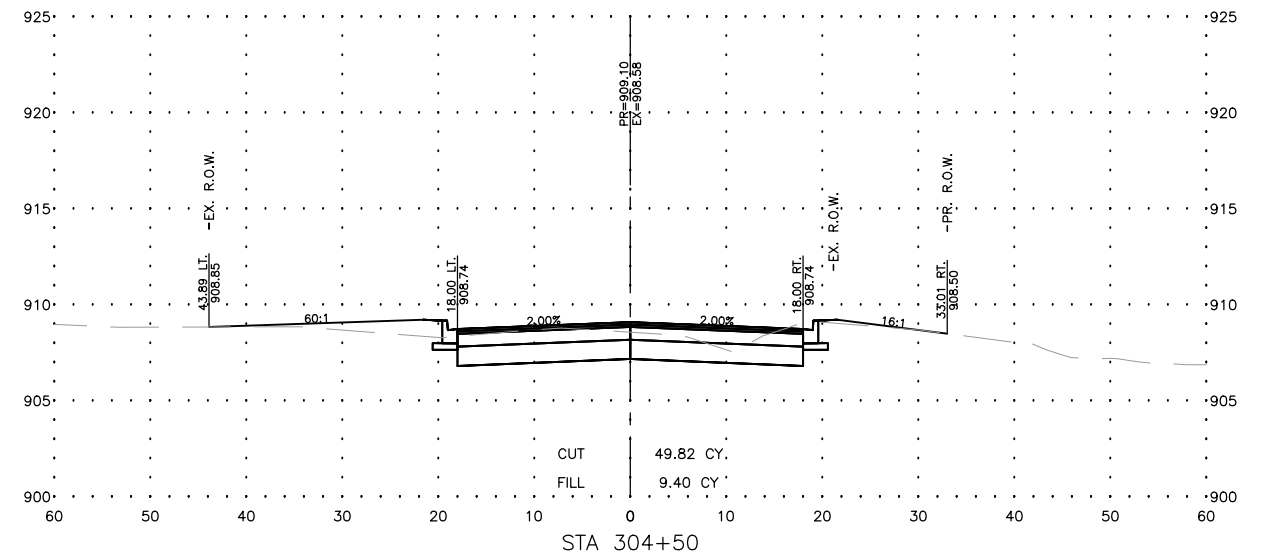
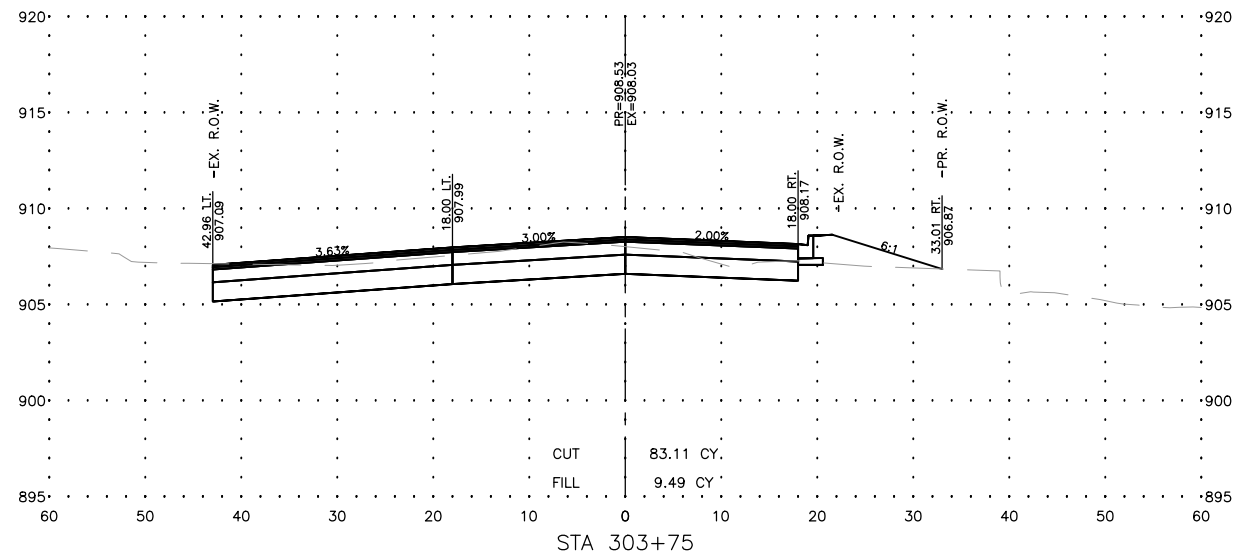
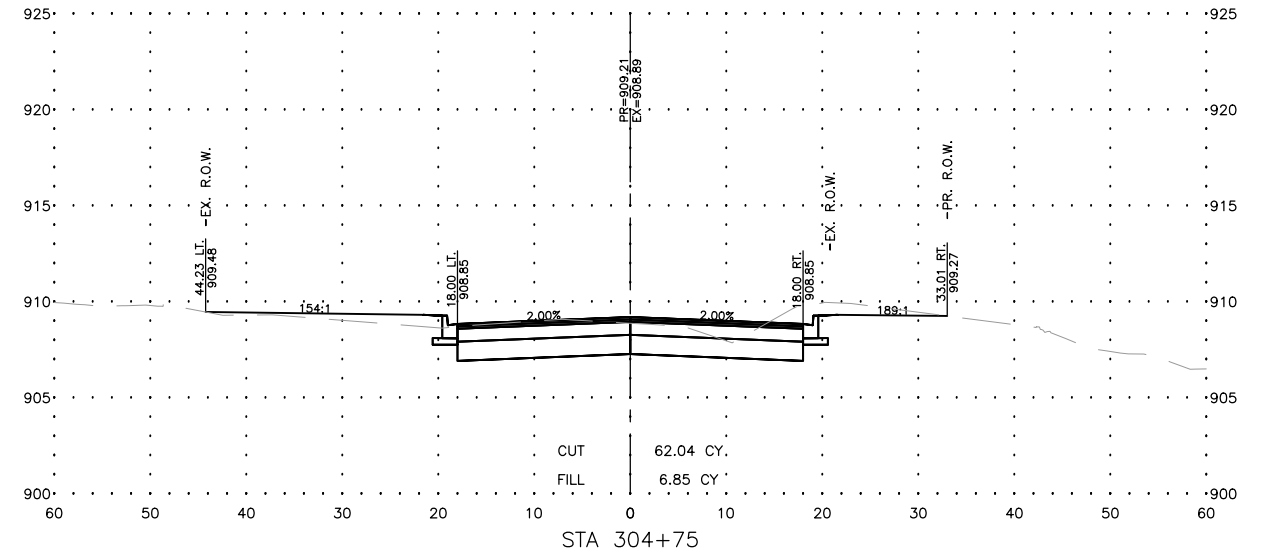
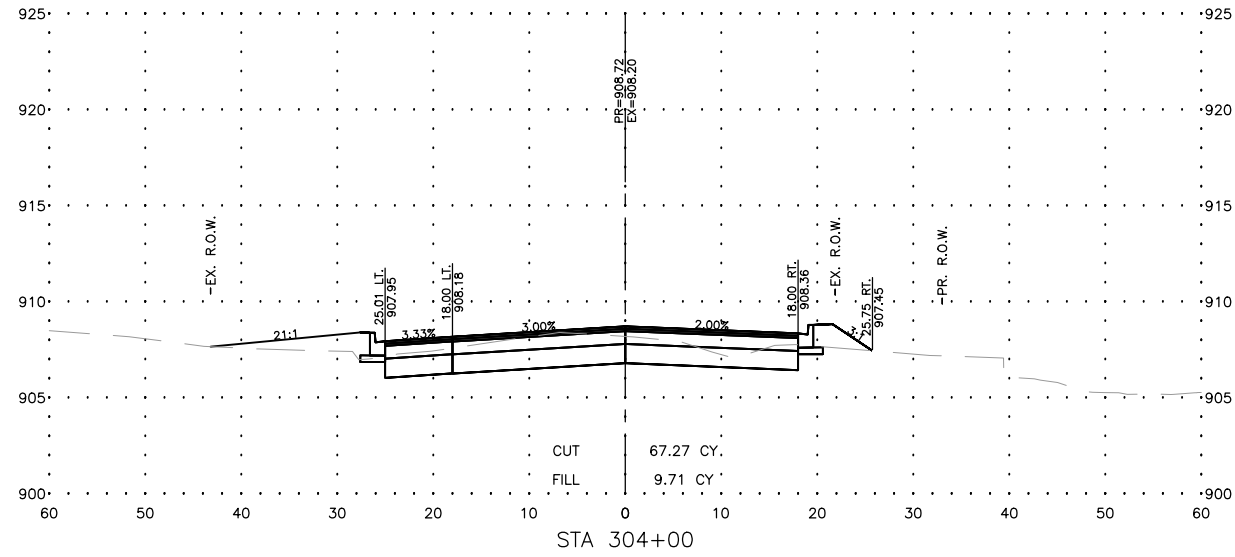
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SANDS ROAD - CROSS SECTIONS

SCALE: AS NOTED SHEET 121 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	121
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				

MODEL: C:\3D\22-071 PH01\22-071 Corridor.dwg, Sands X-Sec 3



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ENGINEERING & ENVIRONMENTAL
ILLINOIS DESIGN FIRM NO. 14-03392
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PLOT SCALE = AS NOTED	DRAWN = BF/YJ	REVISED =
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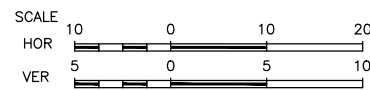
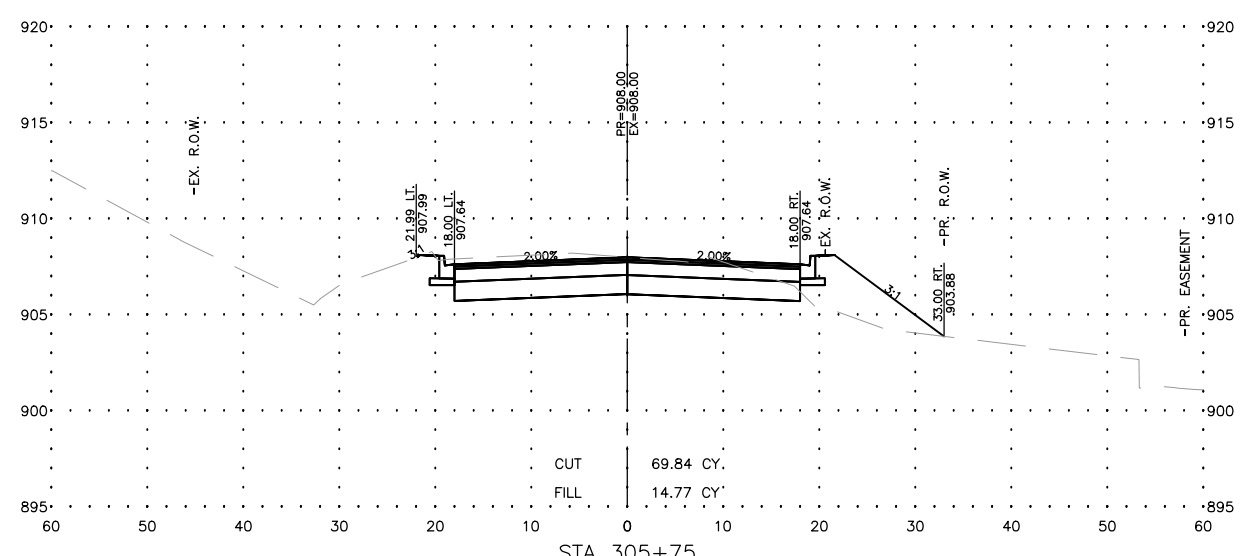
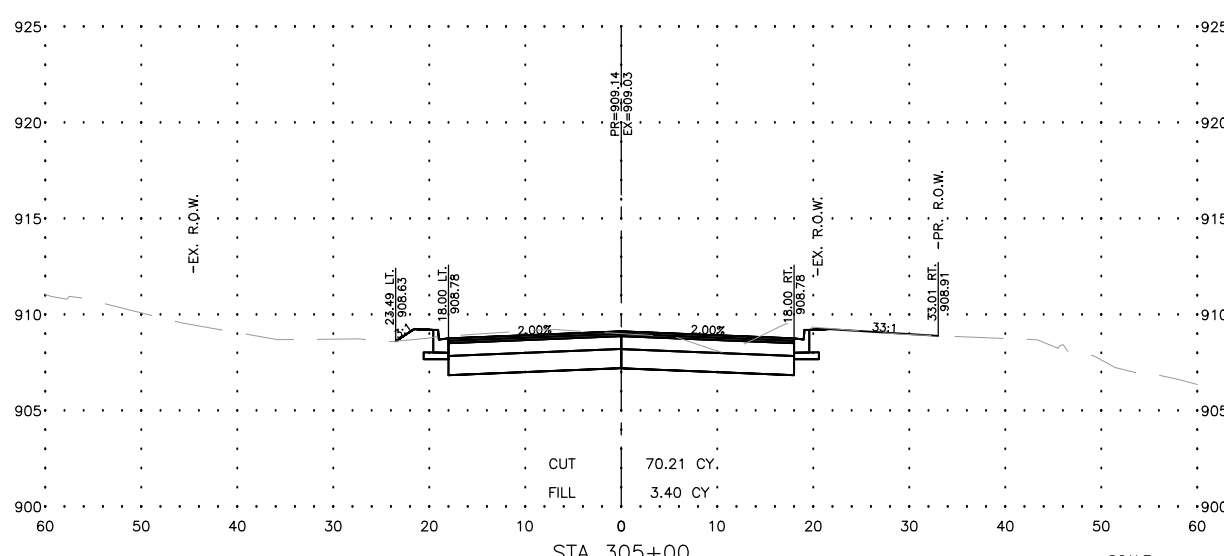
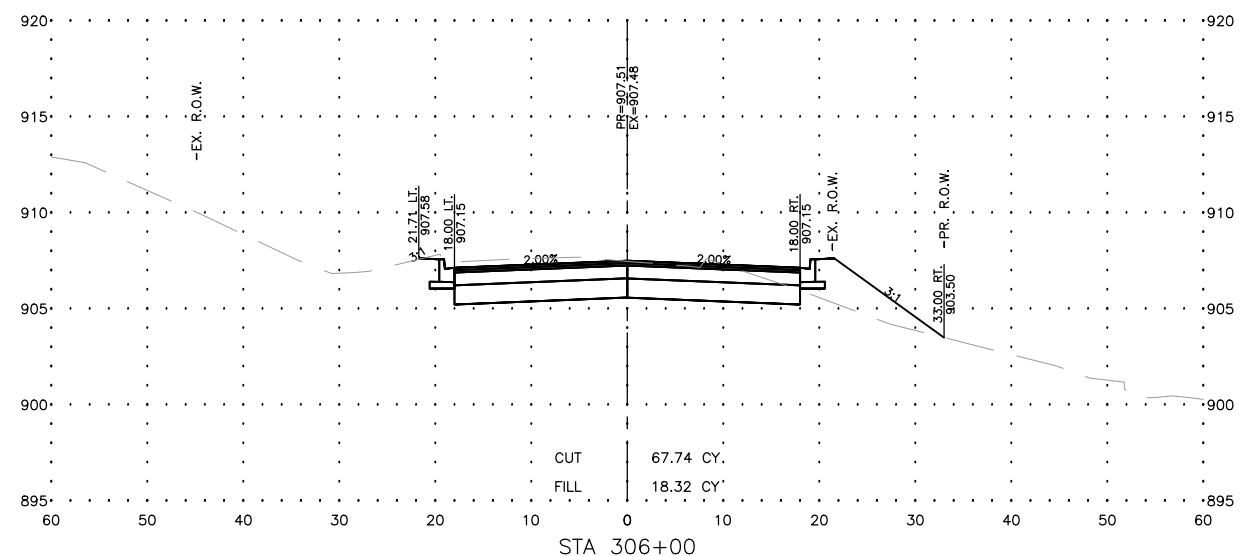
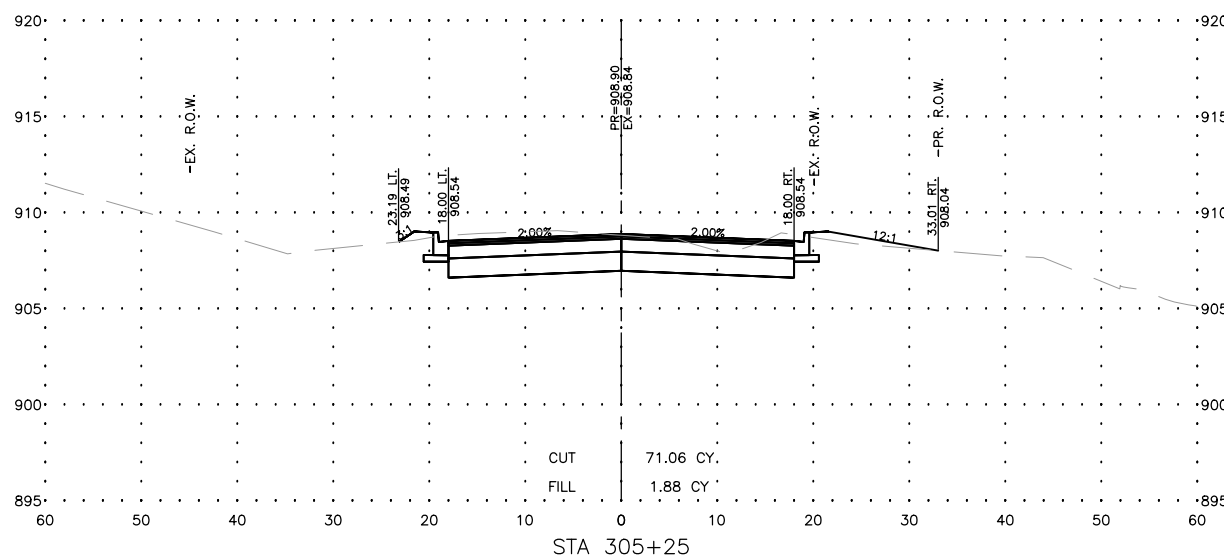
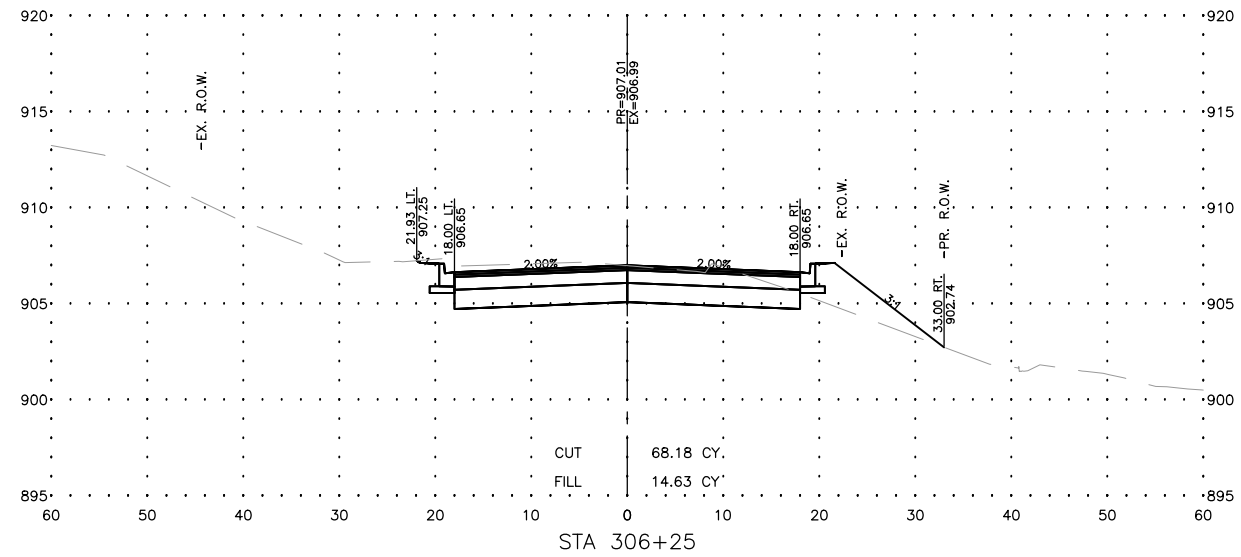
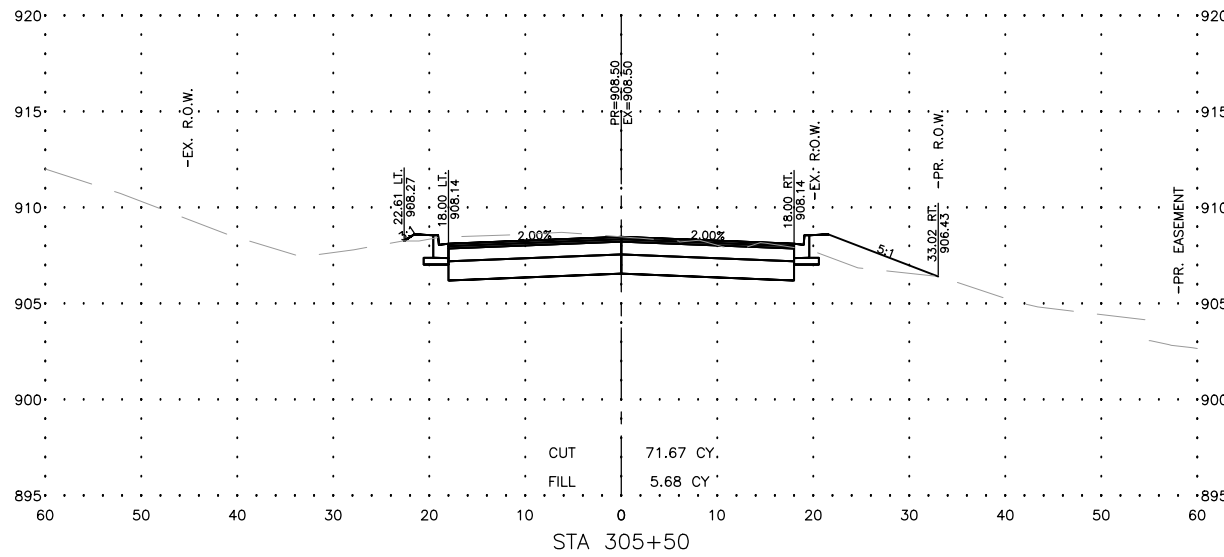
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SANDS ROAD - CROSS SECTIONS

SCALE: AS NOTED SHEET 122 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	122
CONTRACT NO 61K35			ILLINOIS FED. AID PROJECT	

MODEL: C:\3D\22-071 PH01\22-071 Corridor.dwg, Sands X-Sec 4



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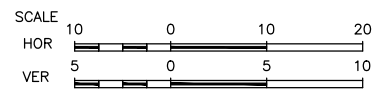
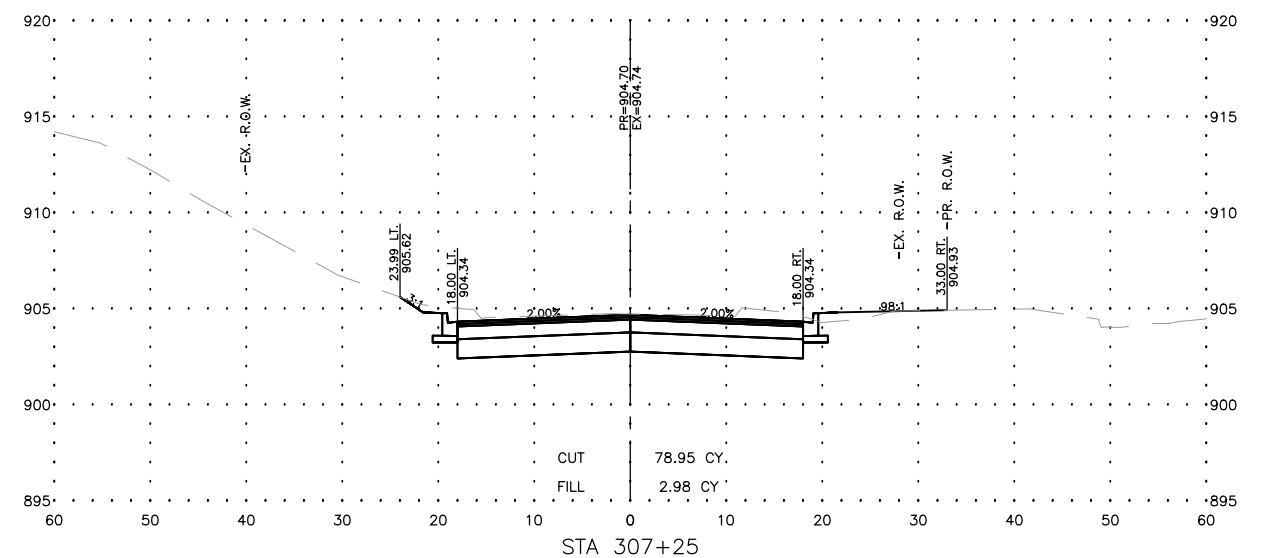
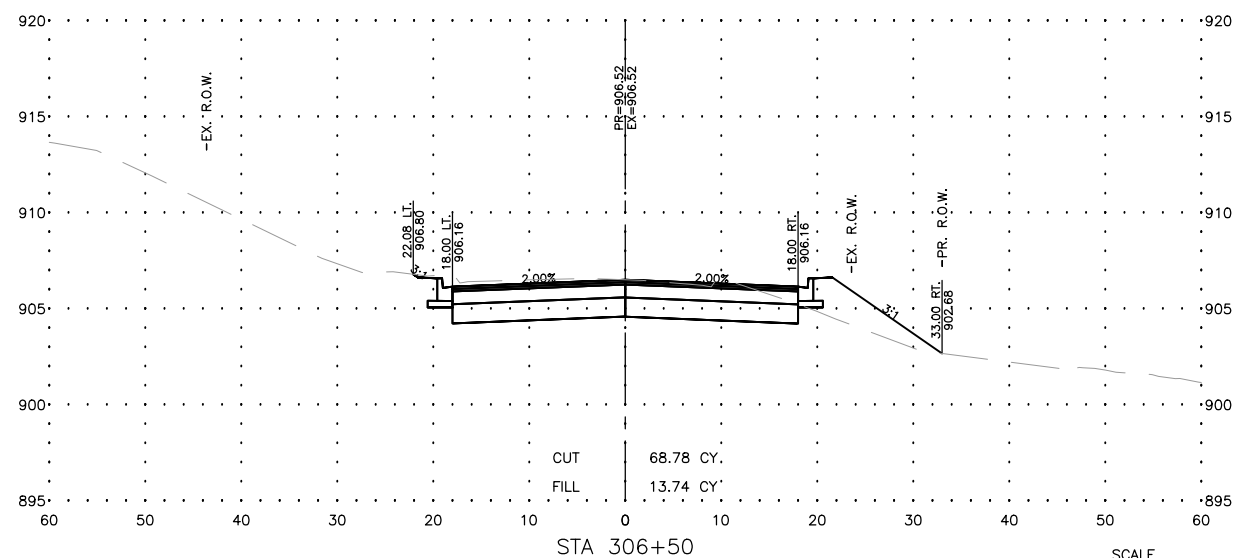
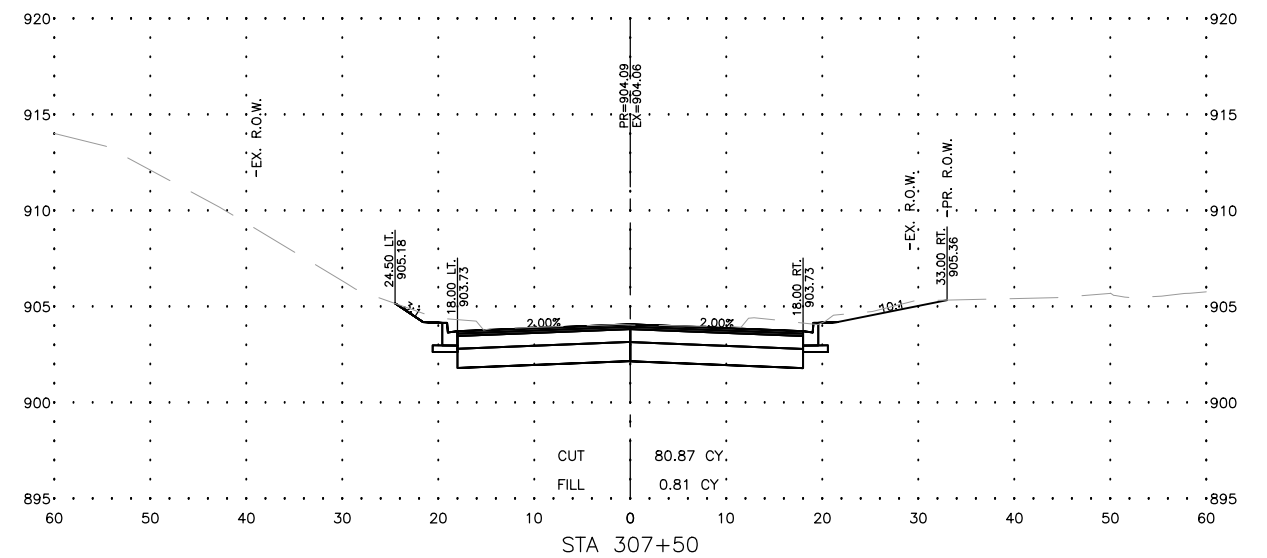
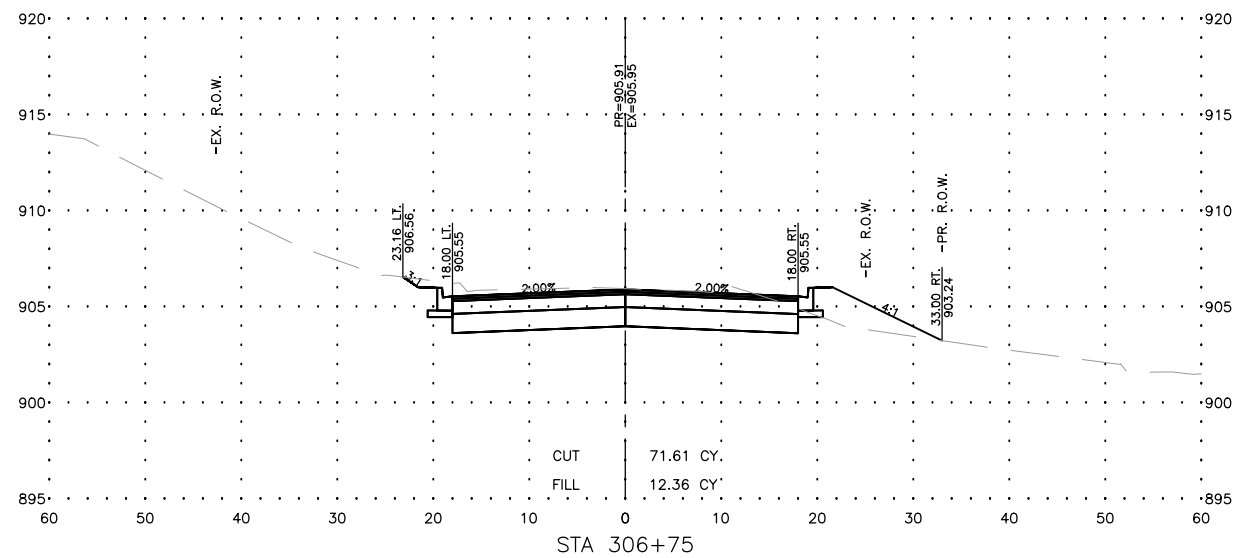
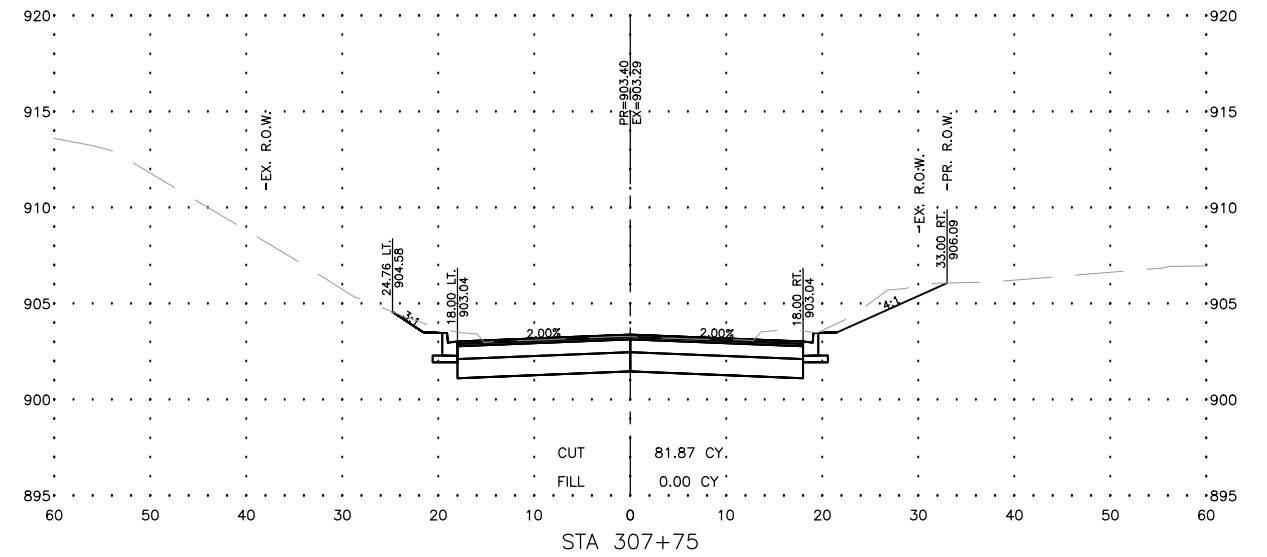
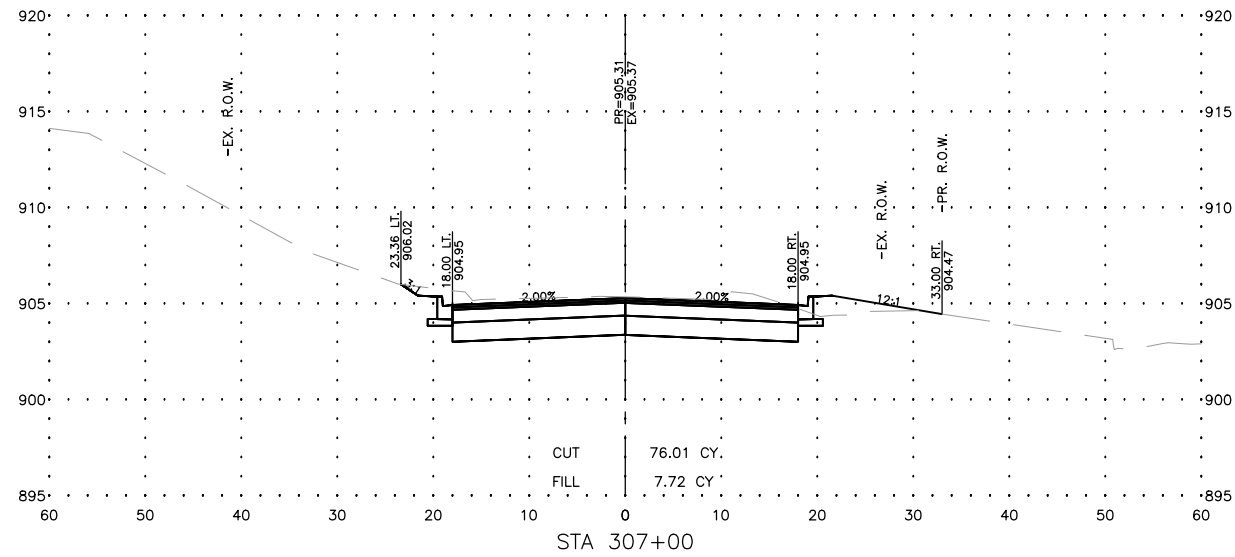
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SANDS ROAD - CROSS SECTIONS

SCALE: AS NOTED SHEET 123 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	123
CONTRACT NO 61K35			ILLINOIS FED. AID PROJECT	

MODEL: C:\3D\22-071 PH01\22-071 Corridor.dwg, Sands X--Sec 5



USER NAME = BF/YJ
 PLOT SCALE = AS NOTED
 PLOT DATE = 2/15/24

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 DRAWN -- BF/YJ
 CHECKED --
 DATE -- 03/01/23

REVISED --
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 REVISED --

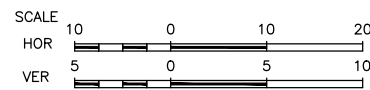
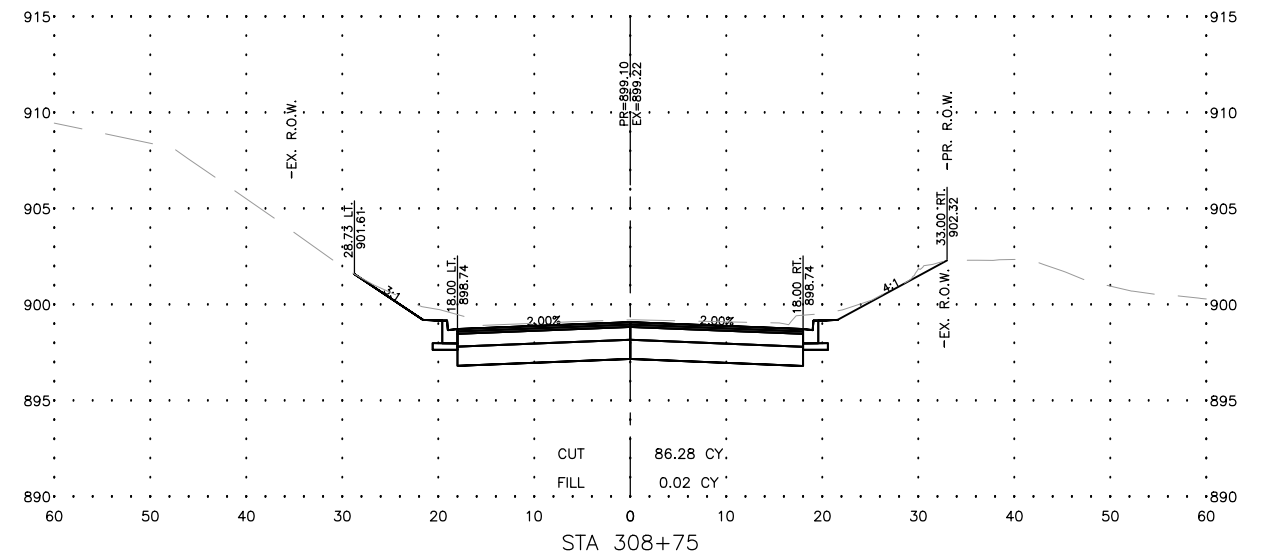
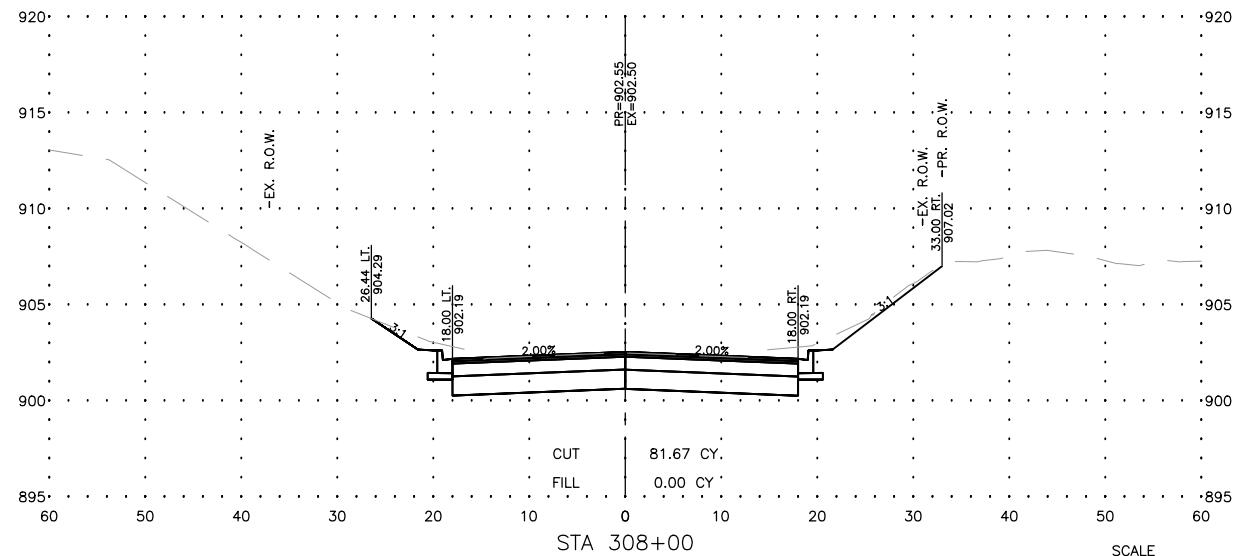
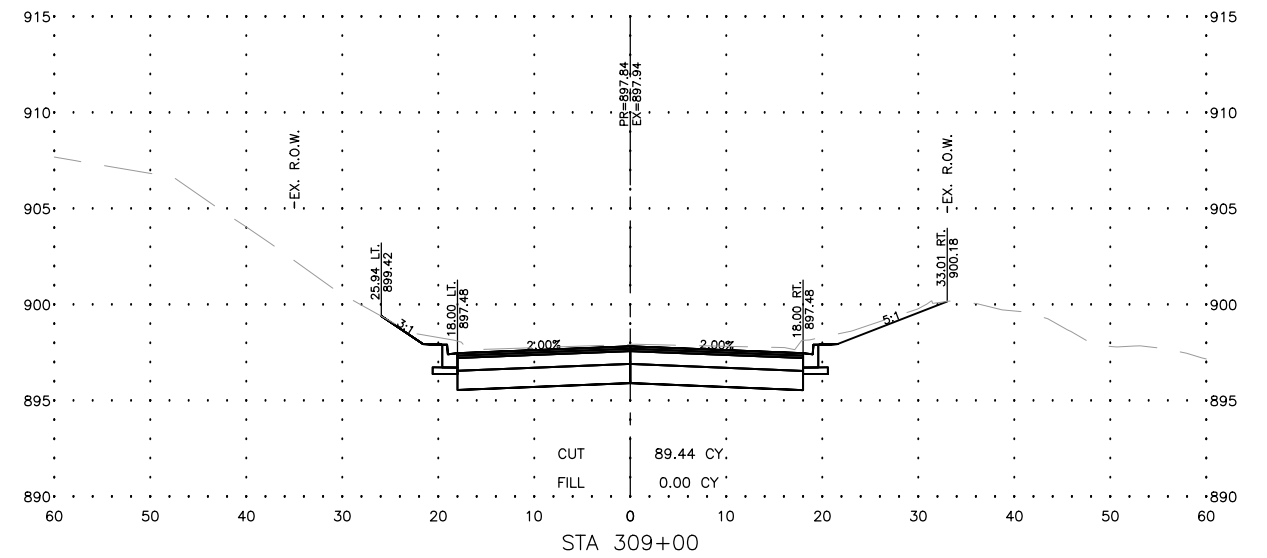
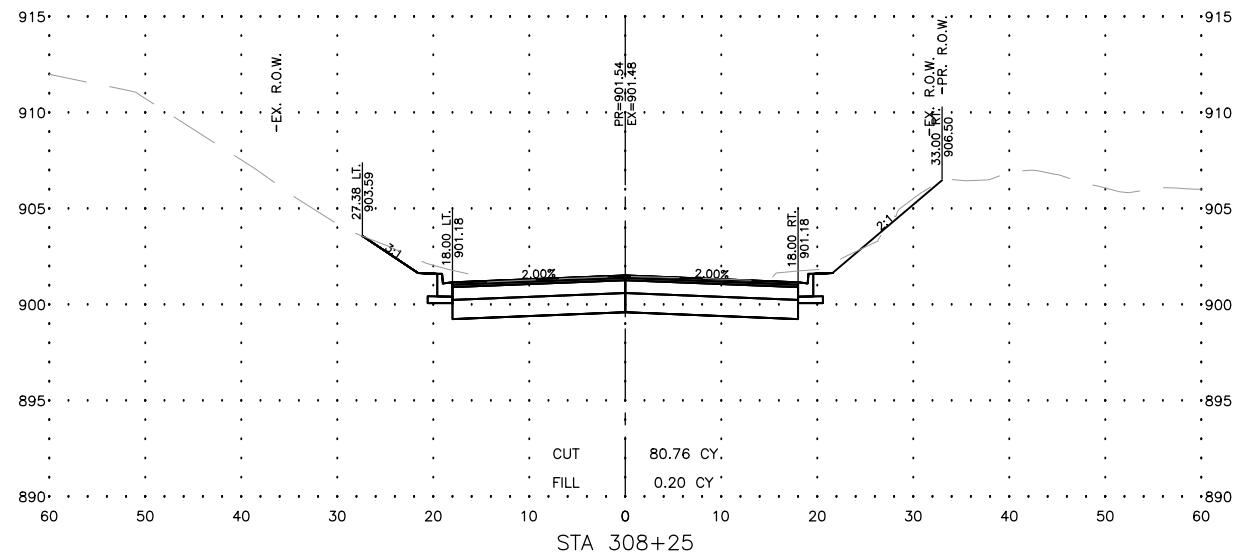
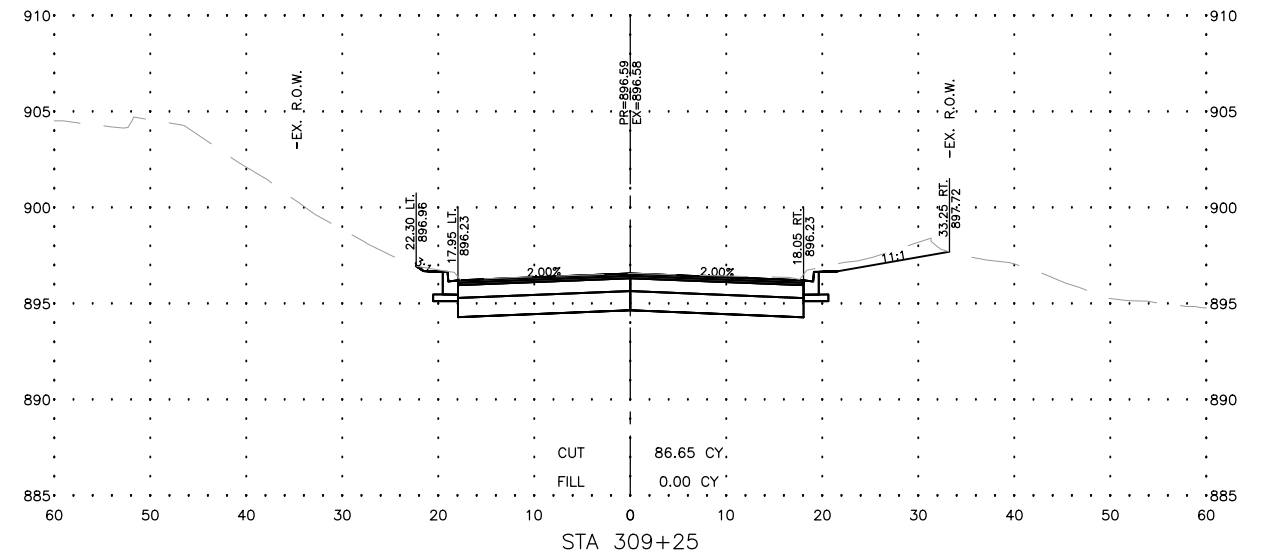
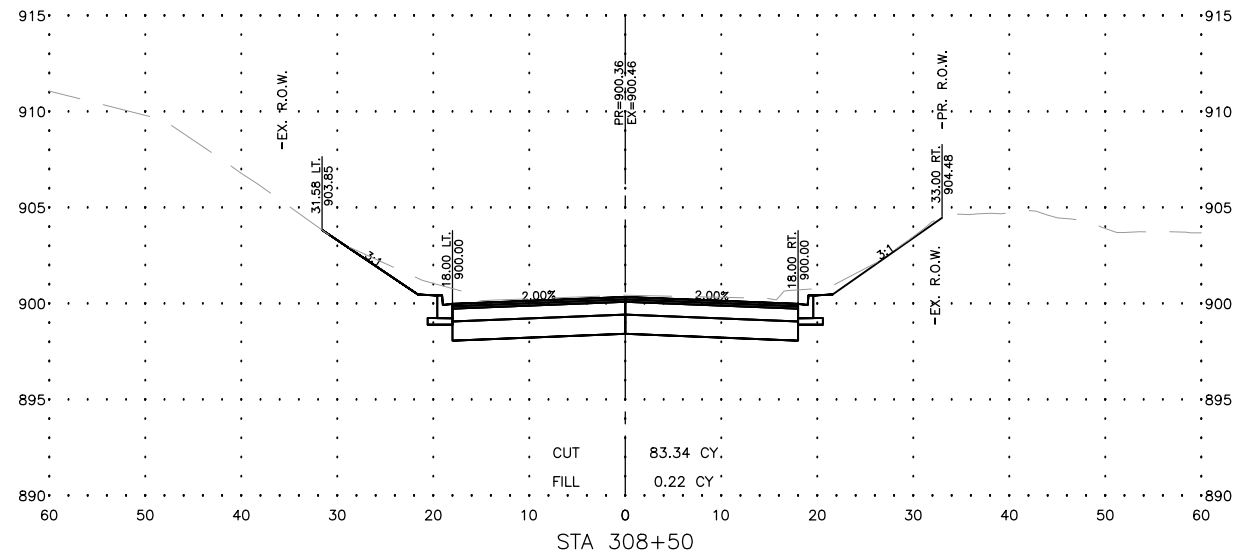
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SANDS ROAD - CROSS SECTIONS

SCALE: AS NOTED SHEET 124 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	124
CONTRACT NO 61K35			ILLINOIS FED. AID PROJECT	

MODEL: C:\3D\22\22-071 PH01\22-071 Corridor.dwg, Sands X-Sec 6



USER NAME = BF/YJ
 PLOT SCALE = AS NOTED
 PLOT DATE = 2/15/24

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 DRAWN -- BF/YJ
 CHECKED --
 DATE -- 03/01/23

REVISED --
 REVISED --
 REVISED --
 REVISED --

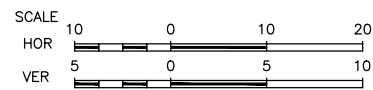
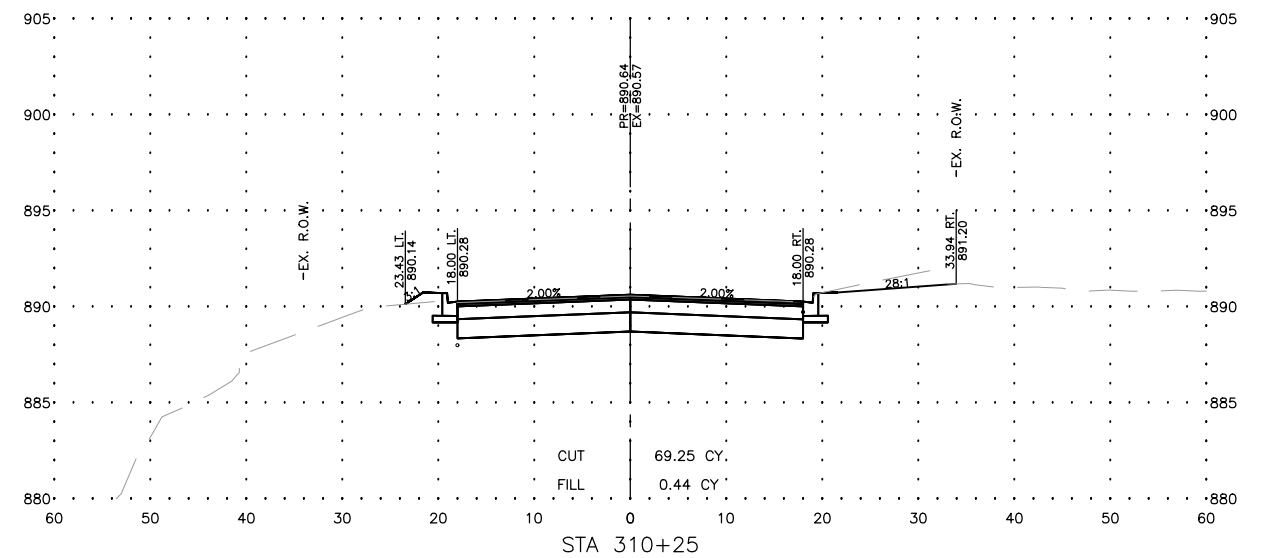
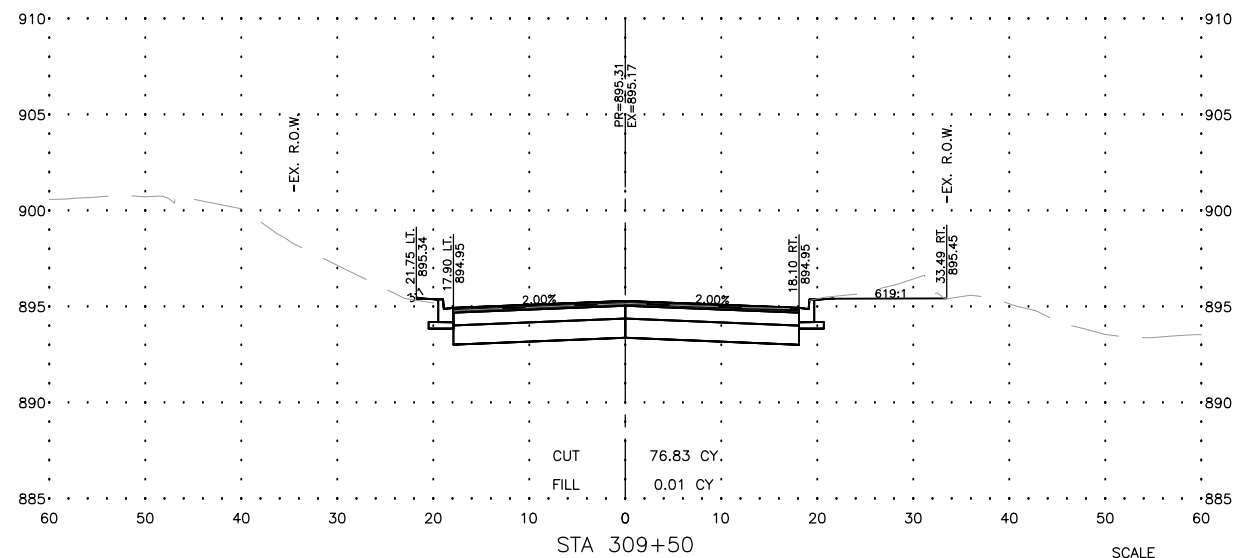
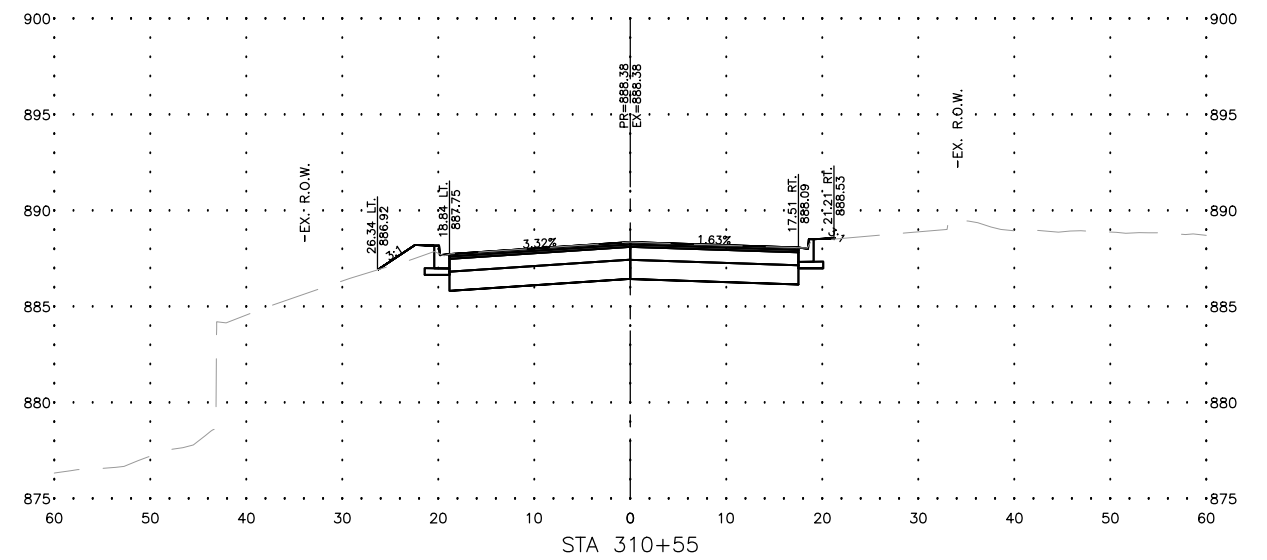
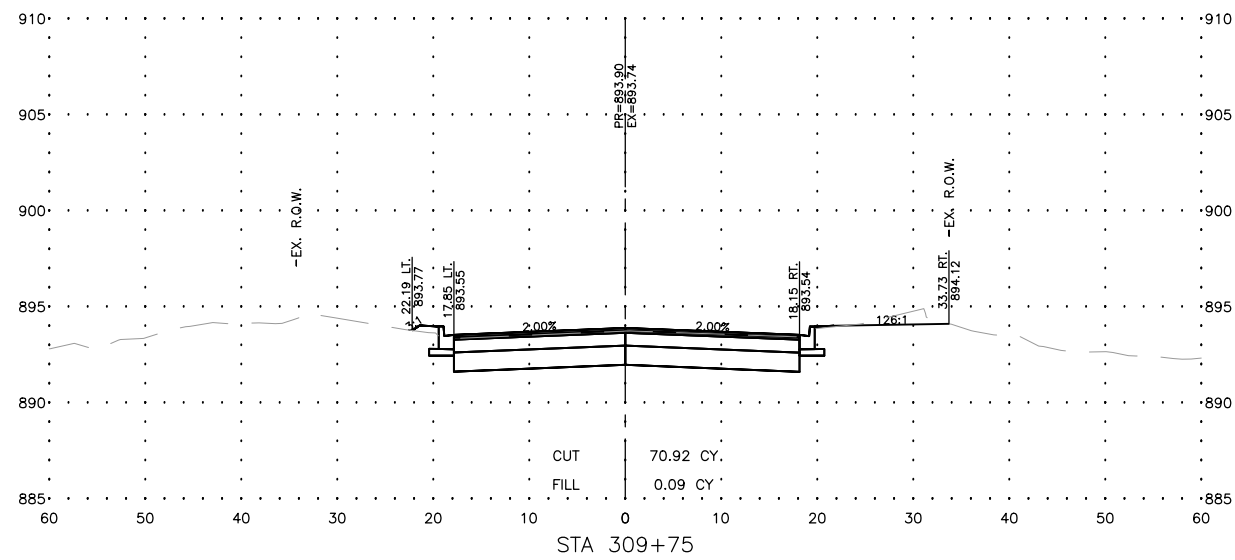
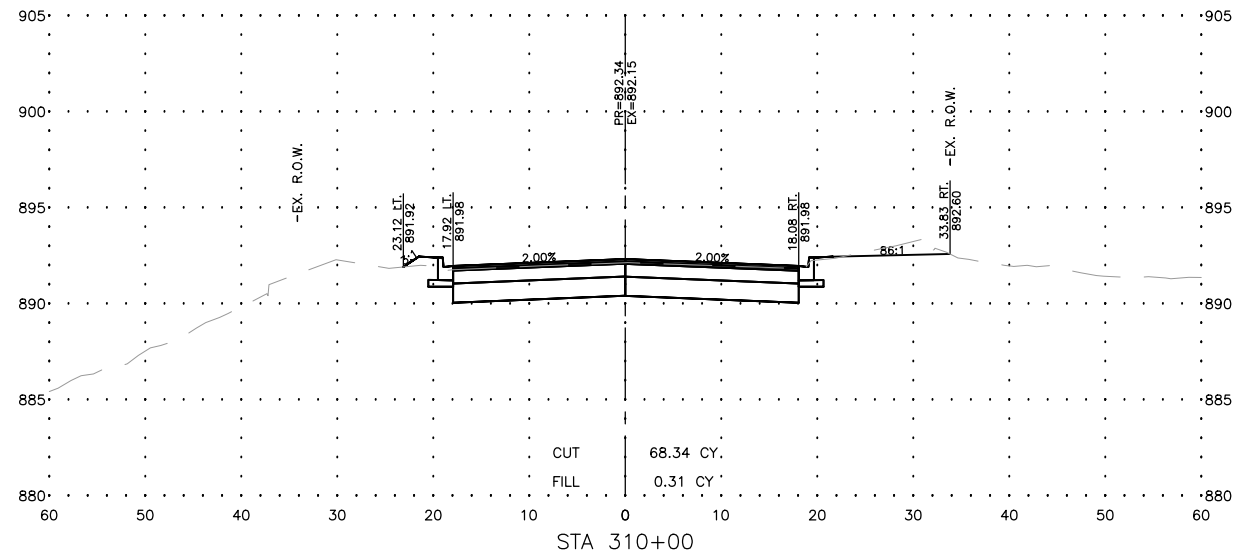
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SANDS ROAD - CROSS SECTIONS

SCALE: AS NOTED SHEET 125 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	125
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				

MODEL: C:\3D\22\22-071 PH01\22-071 Corridor.dwg, Sands X--Sec 7



USER NAME =BF/YJ
PLOT SCALE = AS NOTED
PLOT DATE = 2/15/24

DESIGNED -- VL
DRAWN -- BF/YJ
CHECKED --
DATE -- 03/01/23

REVISED --
REVISED --
REVISED --
REVISED --

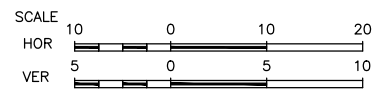
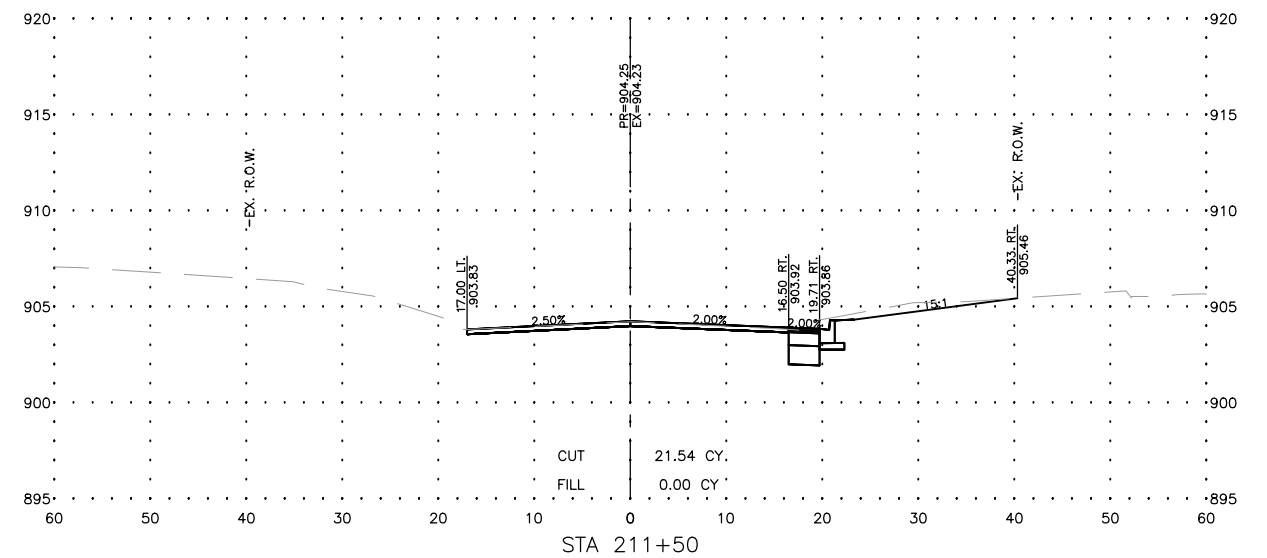
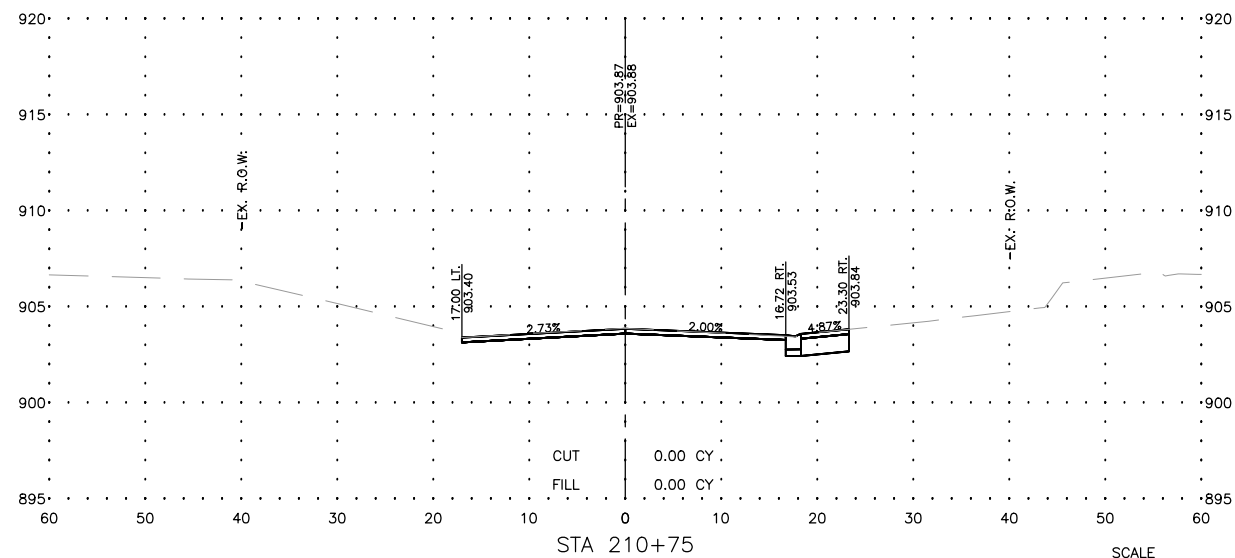
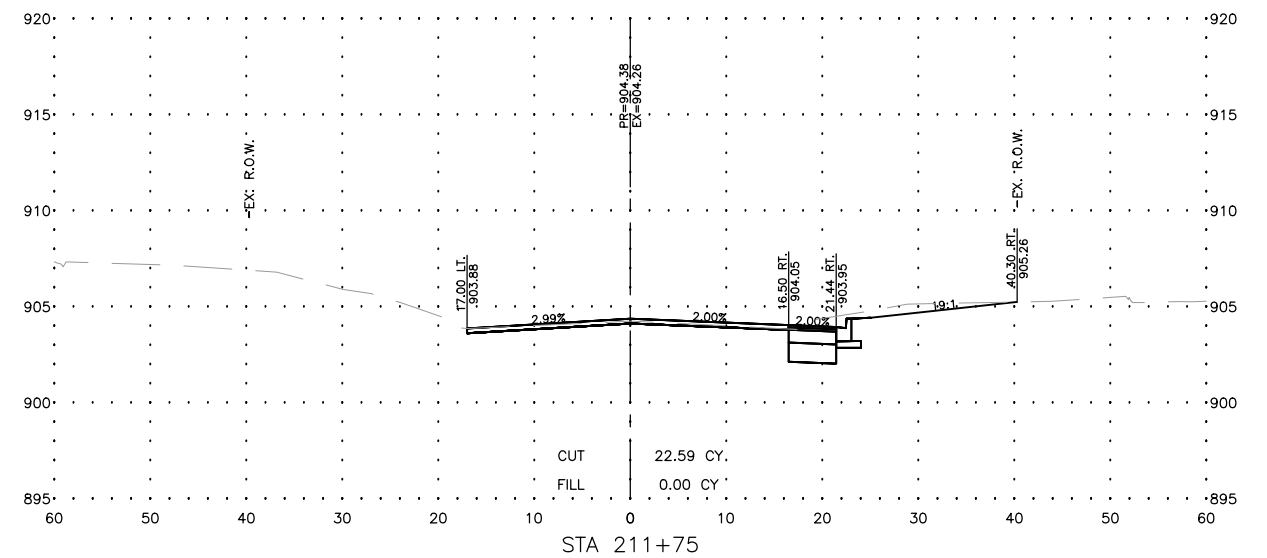
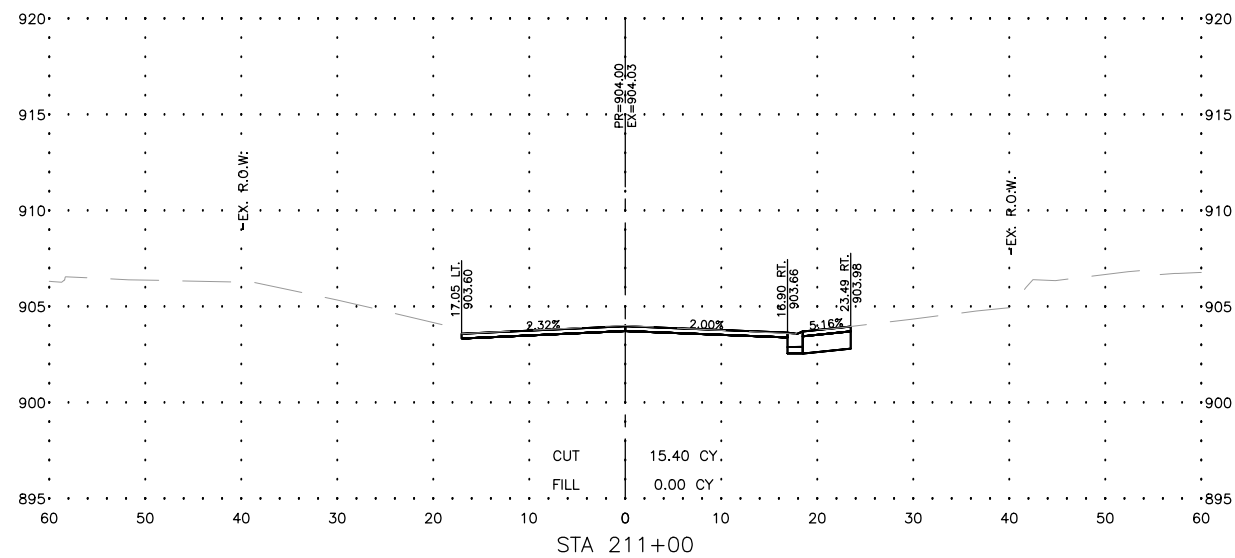
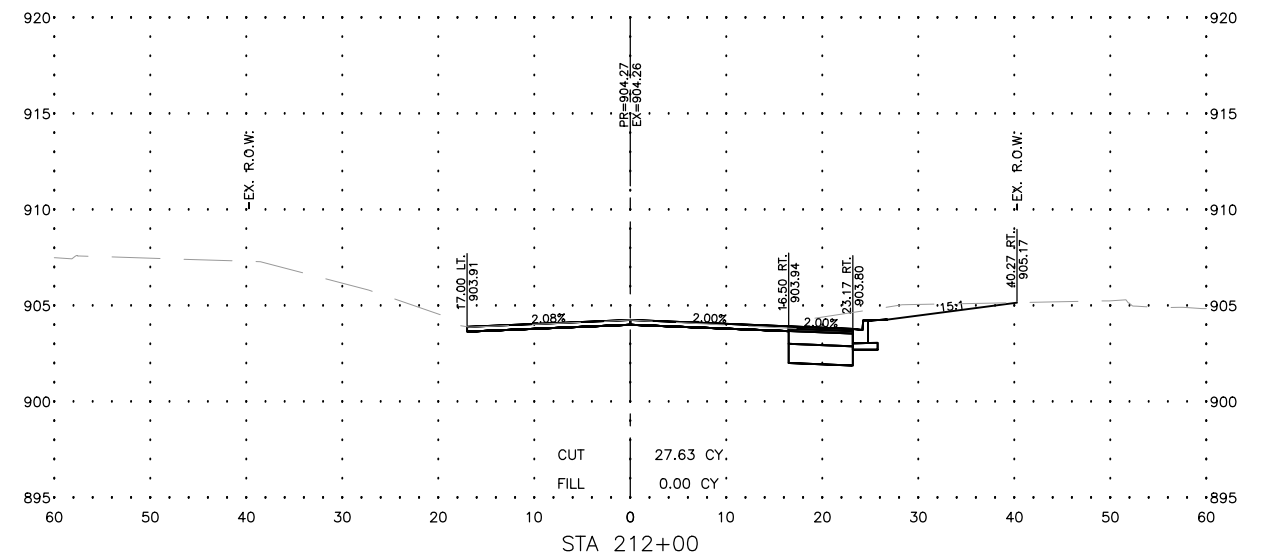
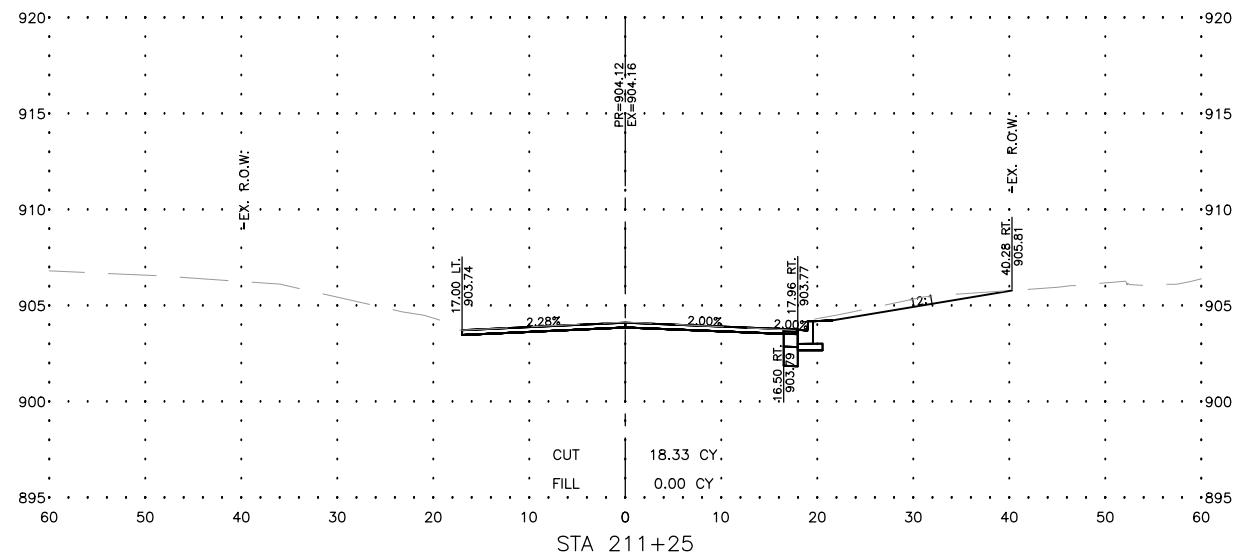
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SANDS ROAD - CROSS SECTIONS

SCALE: AS NOTED SHEET126 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	126
CONTRACT NO 61K35			ILLINOIS FED. AID PROJECT	

MODEL: C:\3D\22-071 PH01\22-071 Corridor.dwg, Lutter X-Sec 1



USER NAME = BF/YJ
 PLOT SCALE = AS NOTED
 PLOT DATE = 2/15/24

DESIGNED -- VL
 DRAWN -- BF/YJ
 CHECKED --
 DATE -- 03/01/23

REVISED --
 REVISED --
 REVISED --
 REVISED --

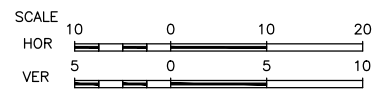
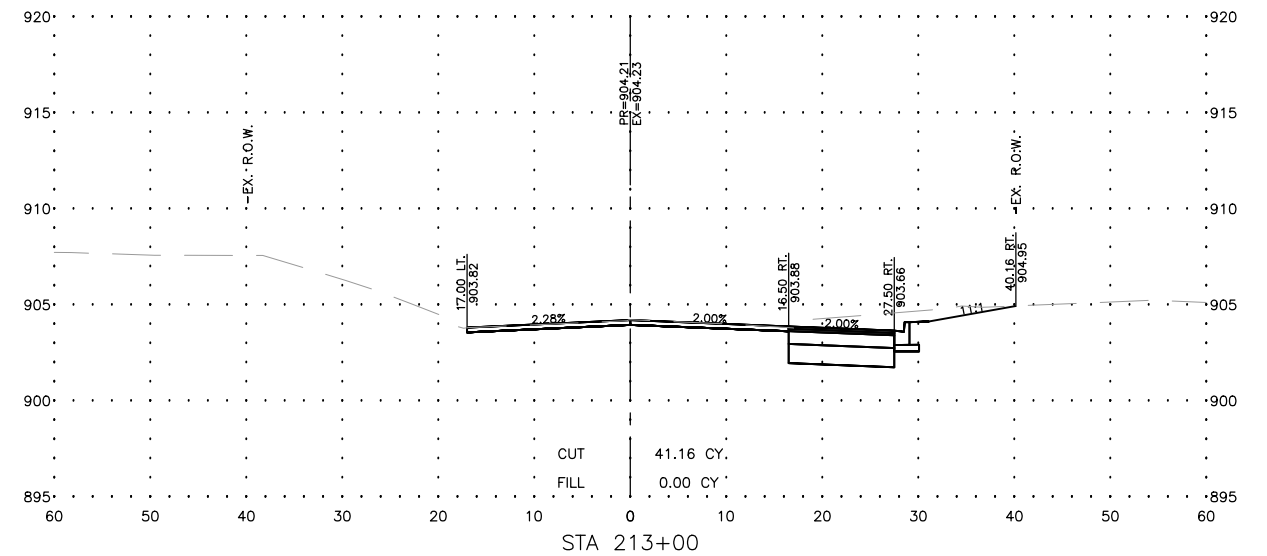
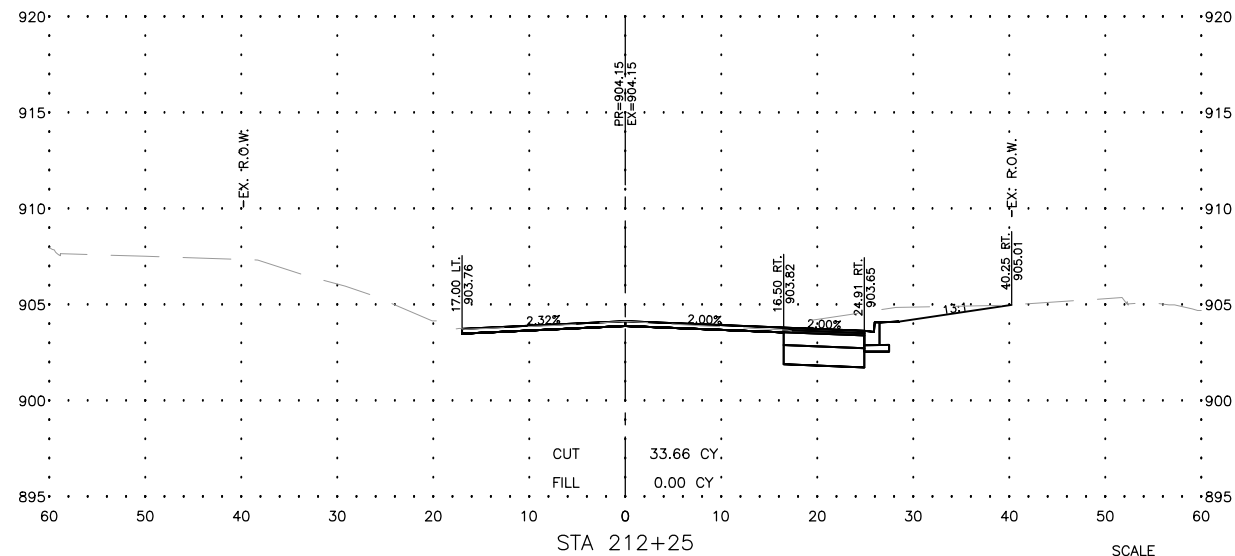
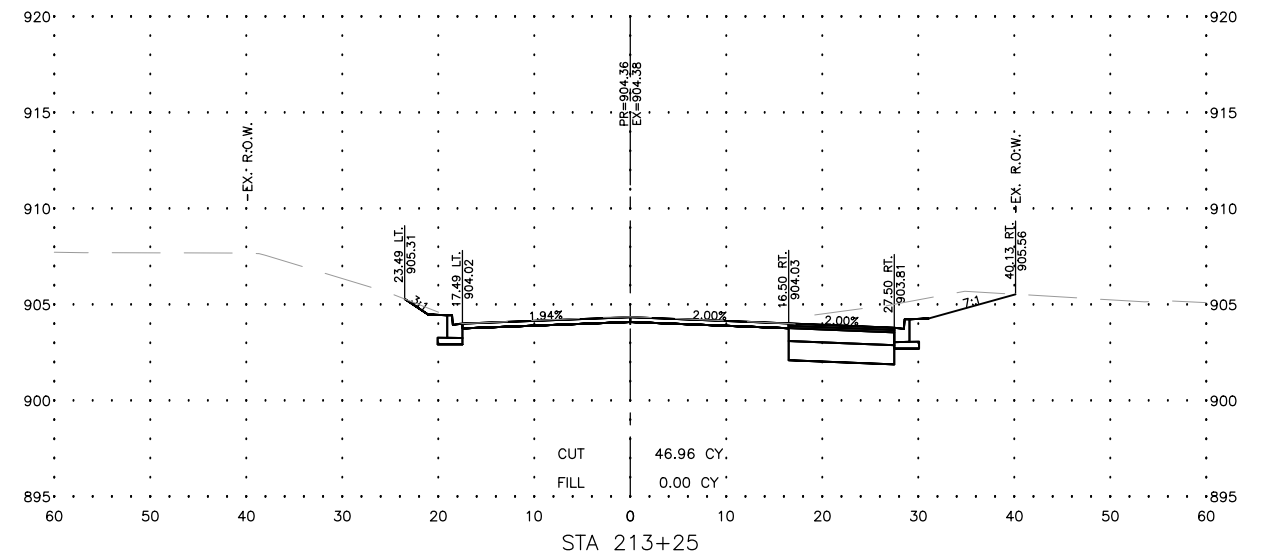
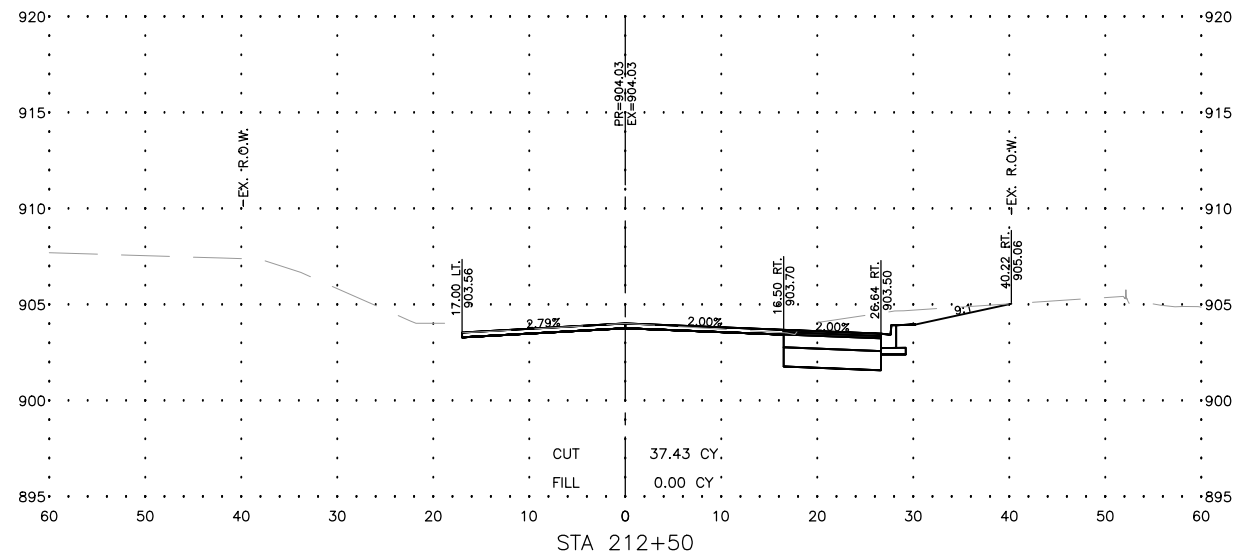
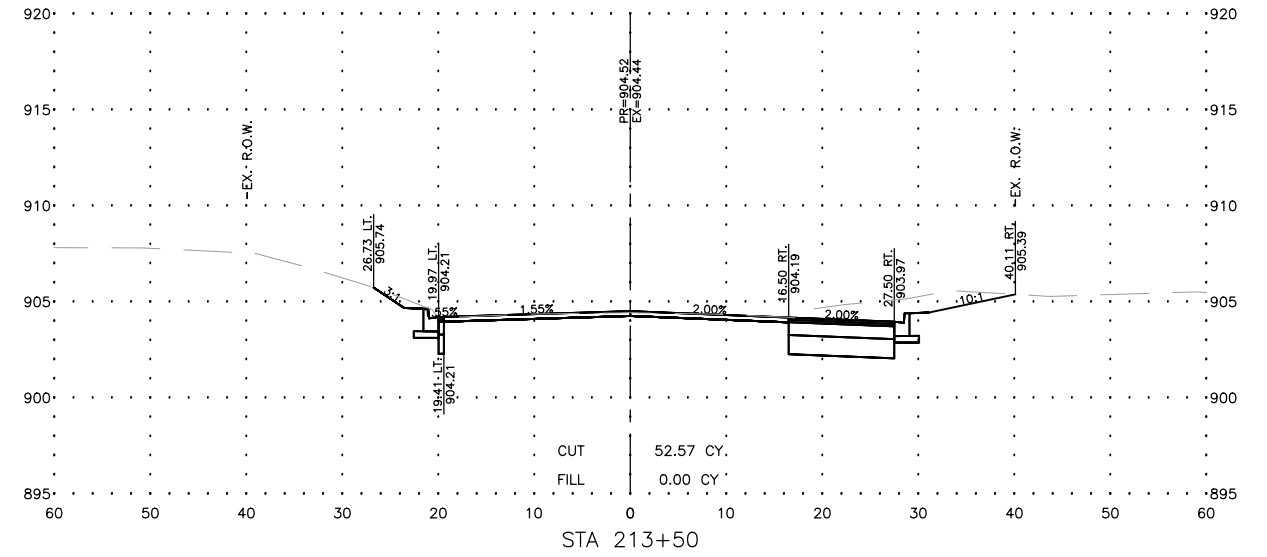
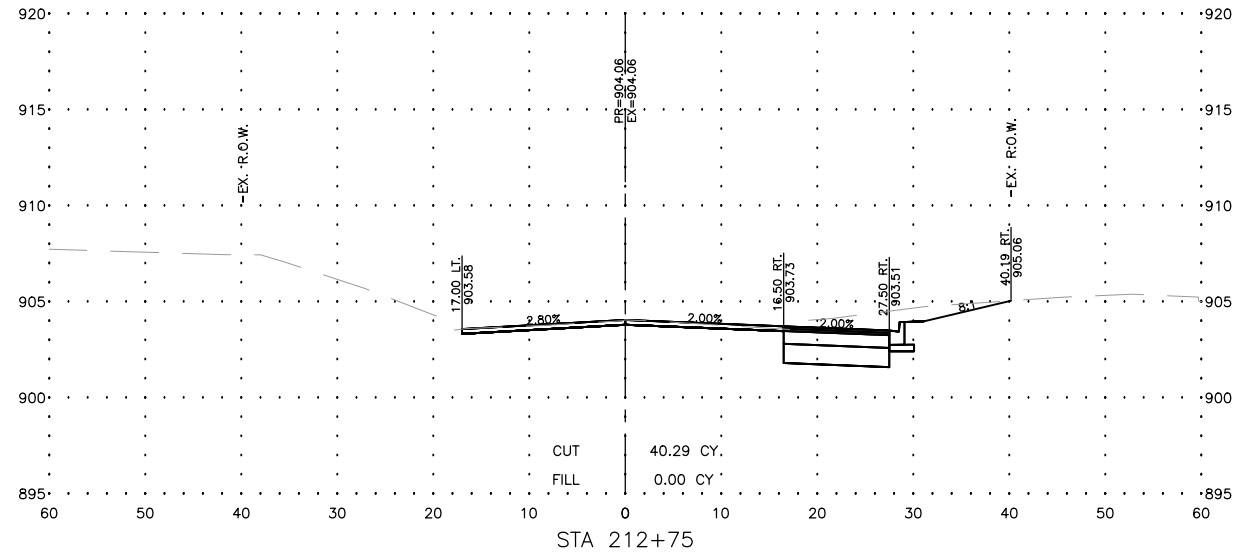
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LUTTER DRIVE - CROSS SECTIONS

SCALE: AS NOTED SHEET 127 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	127
CONTRACT NO 61K35				
ILLINOIS FED. AID PROJECT				

MODEL: C:\3D\22-071 PH01\22-071 Corridor.dwg, Lutter X-Sec 2



USER NAME = BF/YJ
 PLOT SCALE = AS NOTED
 PLOT DATE = 2/15/24

DESIGNED -- VL
 DRAWN -- BF/YJ
 CHECKED --
 DATE -- 03/01/23

REVISED --
 REVISED --
 REVISED --
 REVISED --

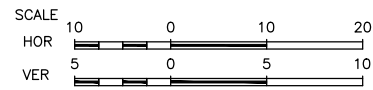
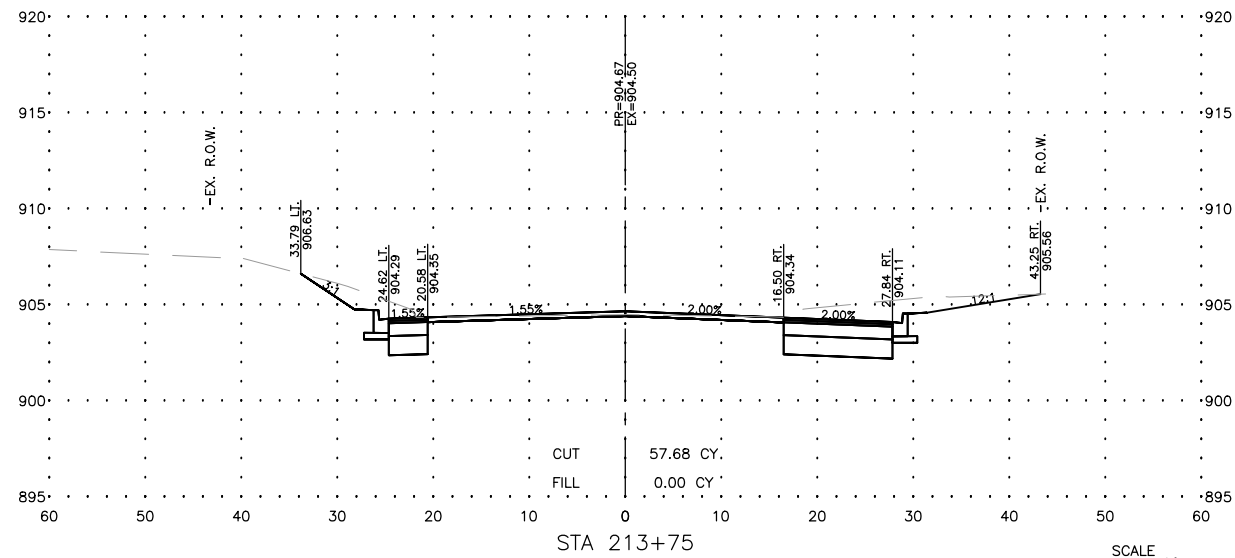
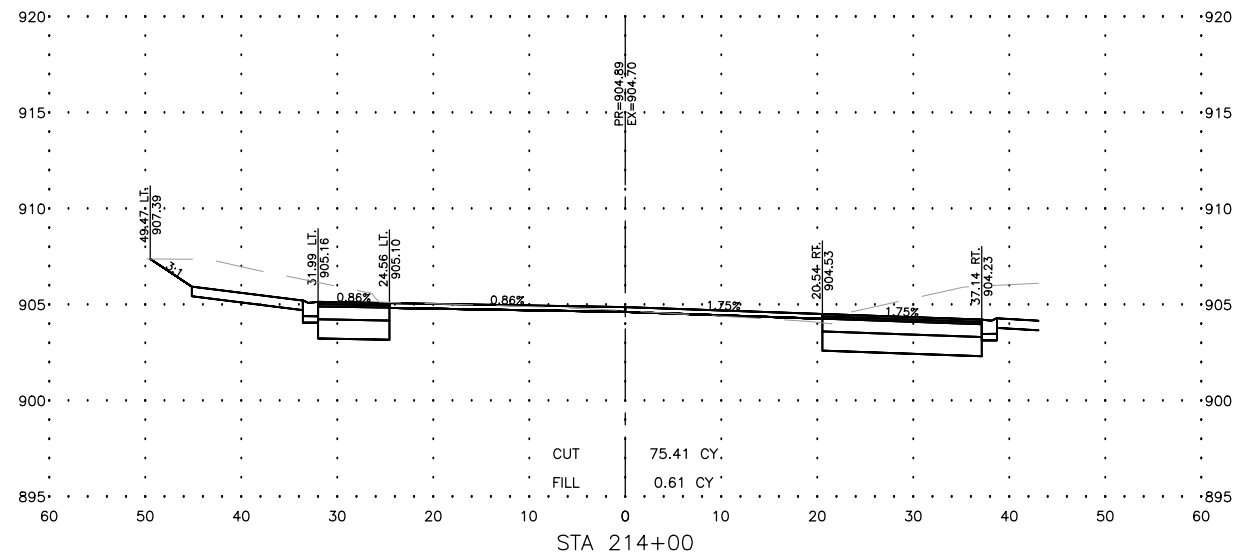
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LUTTER DRIVE - CROSS SECTIONS

SCALE: AS NOTED SHEET 128 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	128
CONTRACT NO 61K35			ILLINOIS FED. AID PROJECT	

MODEL: C:\3D\22-071 PH01\22-071 Corridor.dwg, Lutter X-Sec 3
 FILE NAME: C:\3D\22-071 PH01\22-071 Corridor.dwg, Lutter X-Sec 3



USER NAME =BF/YJ
 PLOT SCALE = AS NOTED
 PLOT DATE = 2/15/24

DESIGNED -- VL
 DRAWN -- BF/YJ
 CHECKED --
 DATE -- 03/01/23

REVISED --
 REVISED --
 REVISED --
 REVISED --

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LUTTER DRIVE - CROSS SECTIONS

SCALE: AS NOTED SHEET 129 OF 129 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4051	22-00134-00-TL	MCHENRY	129	129
CONTRACT NO 61K35			ILLINOIS FED. AID PROJECT	