

F. A. U. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	21-00122-00-BT	COOK	30	1
STA. _____ TO STA. _____				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	HMG5(705)	

CONTRACT #61K30

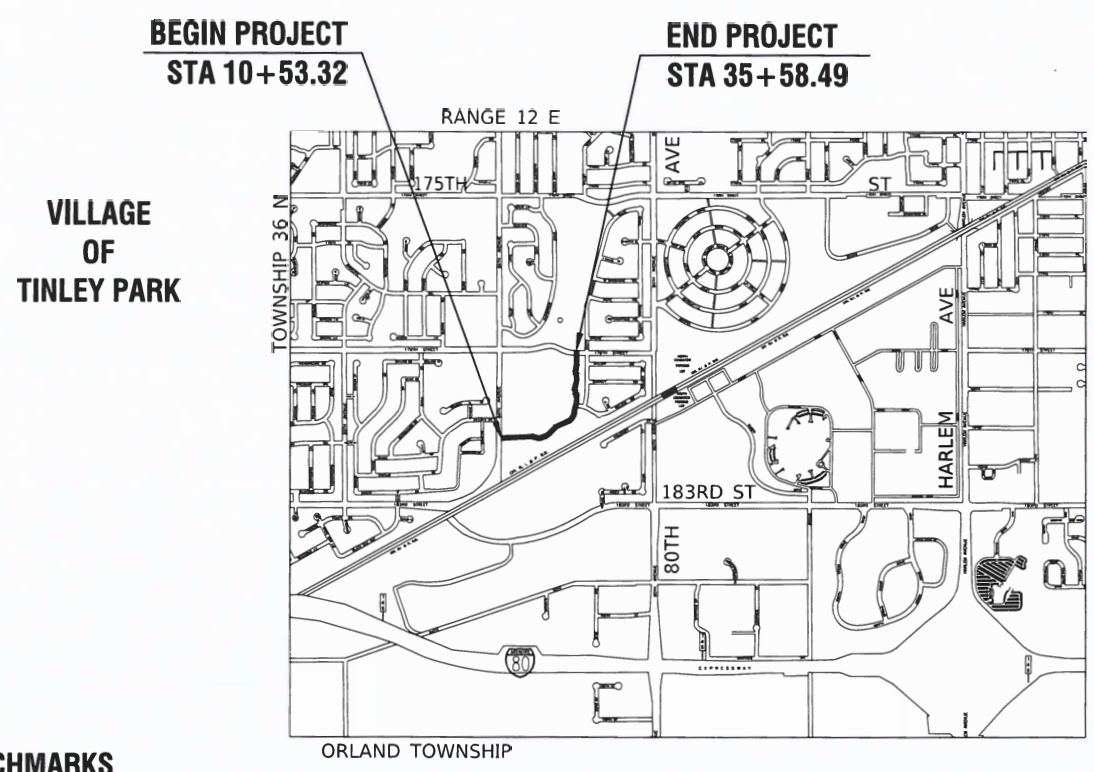
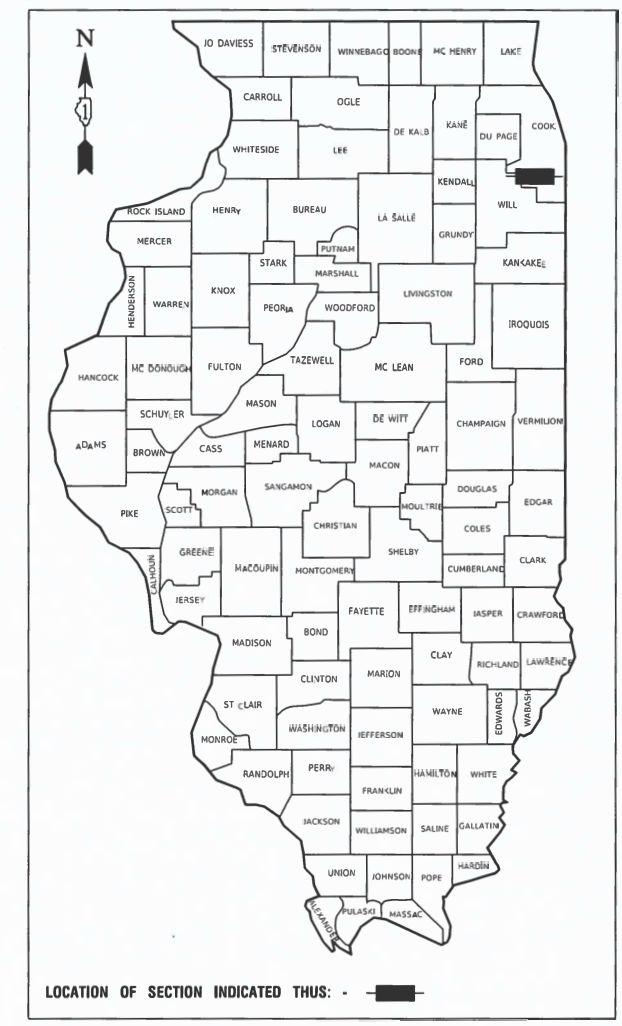
04-26-2024 LETTING ITEM 005

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

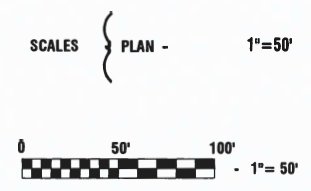
PROPOSED HIGHWAY PLANS

OFF ROAD-COMED ROW
84TH AVENUE AND 179TH STREET
MULTI-USE PATH EXTENSION
SECTION NO.: 21-00122-00-BT
PROJECT NO.: HMG5(705)
VILLAGE of TINLEY PARK
COOK COUNTY
JOB NO.: C-91-046-23

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR HIGHWAY STANDARDS, SEE SHEET NO. 2



N
LOCATION MAP
NOT TO SCALE



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.

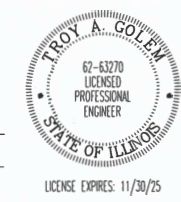
J. U. L. I. E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1 - 800 - 892 - 0123
OR 811

BENCHMARKS
BM SET: ALUM LP NORTH OF 179TH STREET EAST OF CONCRETE
SIDEWALK AND CURVE OF BIT PATH
ELEV=708.14

GROSS LENGTH= 2,505.17 FEET= 0.475 MILES
NET LENGTH= 2,505.17 FEET= 0.475 MILES

PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:

Ray G. G...
02/07/24



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
APPROVED	01/05/24
	<i>Michael W. H...</i> VILLAGE OF TINLEY PARK, MAYOR
PASSED	<i>February 16 2024</i>
	<i>[Signature]</i> DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW	2-16-2024
	<i>[Signature]</i> IR REGIONAL ENGINEER

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THE STATE OF ILLINOIS

FEDERAL AID PROGRAM ENGINEER: CARMEN RAMOS, PE, SCHAUMBURG, IL
CONSULTANTS: ROBINSON ENGINEERING, LTD. 708-331-6700

CONTRACT NO. 61K30

INDEX OF SHEETS

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15. PAVEMENT MARKING AND SIGNING
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DISTRICT ONE DETAILS

BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
TC-13	TYPICAL PAVEMENT MARKINGS

GENERAL NOTES

1. ITEMS OF WORK LISTED IN THE SUMMARY OF QUANTITIES NOT SPECIFICALLY CALLED OUT ON THE PLANS SHALL BE PERFORMED AS DIRECTED BY THE ENGINEER.
2. THE ROBINSON ENGINEERING, LTD. FIELD OFFICE (708-331-6700), AND THE PUBLIC WORKS DIRECTOR, AT THE VILLAGE OF TINLEY PARK (708-444-5500), SHALL BE NOTIFIED THREE (3) WORKING DAYS BEFORE CONSTRUCTION BEGINS.
3. BEFORE STARTING ANY EXCAVATION THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 AND (312) 744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. (48 HOUR NOTIFICATION REQUIRED)
4. UTILITIES INDICATED ON THE PLANS ARE PROVIDED FOR THE CONTRACTOR'S USE AND ARE BASED UPON INFORMATION AVAILABLE AT THE TIME OF THE ADVERTISEMENT FOR BIDS. THE OWNER AND ENGINEER DO NOT GUARANTEE THE ACCURACY OF UTILITY INFORMATION.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
6. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR OTHER DRAINAGE STRUCTURES SHALL BE REMOVED BY THE END OF EACH DAY BY THE CONTRACTOR.
7. ALL EQUIPMENT SHALL BE REMOVED OFF THE VILLAGE STREETS DURING ALL HOLIDAY WEEKENDS AS COORDINATED WITH THE VILLAGE.
8. TOPSOIL STRIPPING, DISPOSAL, AND/OR STOCKPILING, RE-SPREAD SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION (SPECIAL).
9. THE REMOVAL AND/OR REPLACEMENT OF ANY DRIVEWAYS, PAVEMENT, CURB, SIDEWALK, ETC. SHALL BE ACCOMPLISHED BY MEANS OF A SAW CUT JOINT, AT THE DIRECTION OF THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT PRICE FOR THE ITEM BEING REMOVED.
10. ANY REFERENCE TO STANDARD SPECIFICATIONS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE THE IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2022.
11. AREAS DISTURBED BY CONSTRUCTION SHALL BE KEPT TO A MINIMUM. ALL AREAS DISTURBED UNNECESSARILY SHALL BE RESTORED AND REQUIRED IN THE SPECIAL PROVISIONS AT THE CONTRACTOR'S EXPENSE.
12. THE CONTRACTOR SHALL BE RESPONSIBLE AT ALL FOR TRAFFIC CONTROL AND PROTECTION IN ACCORDANCE WITH "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND STANDARD SPECIFICATIONS.
13. EROSION CONTROL ITEMS SHALL BE INSTALLED TO PREVENT EROSION AS SHOWN ON THE PLANS AND AT THE DIRECTION OF THE ENGINEER.
14. THE THICKNESS OF HMA MIXTURE STATED IN THE SPECIFICATIONS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA SURFACE IS PLACED.
15. PHOSPHORUS FERTILIZER HAS BEEN INTENTIONALLY OMITTED FROM THE CONTRACT DUE TO THE PROXIMITY OF THE EXISTING WETLANDS/BODIES OF WATER. A PHOSPHORUS-FREE FERTILIZER SHALL BE USED (MIDDLE NUMBER SHOULD EQUAL 0)
16. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAVE BEEN PROVIDED FOR USE AT LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH THE ABOVE ITEM WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS AREA NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
17. 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.

FILE NAME = 21R0320_02-QUAN-01 - IDOT-001	USER NAME =	DESIGNED -- TG	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OFF ROAD-COMED ROW MULTI-USE PATH EXTENSION INDEX OF SHEETS & STATE STANDARDS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED -- WPD	REVISED --				21-00122-00-BT	COOK	30	2		
	PLOT SCALE =	DRAWN -- MED	REVISED --			CONTRACT NO. 61K30						
	PLOT DATE = 02/07/24	CHECKED -- AG	REVISED --			SCALE:	SHEET NO. 2 OF 30 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT

S.I.	CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	FED 80% VILLAGE 20% ROADWAY 0028	FED 80% VILLAGE 20% SAFETY 0028
	20101400	NITROGEN FERTILIZER NUTRIENT	POUND	75	75	
	20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	75	75	
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	100	100	
	20400800	FURNISHED EXCAVATION	CU YD	50	50	
	20800150	TRENCH BACKFILL	CU YD	3	3	
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	2,800	2,800	
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	100	100	
	25000100	SEEDING, CLASS 1	ACRE	0.5	0.5	
	25000314	SEEDING, CLASS 4B	ACRE	0.5	0.5	
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	100	100	
	28000305	TEMPORARY DITCH CHECKS	FOOT	20	20	
	28000400	PERIMETER EROSION BARRIER	FOOT	4,675	4,675	
	28100107	STONE RIPRAP, CLASS A4	SQ YD	35	35	
	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	100	100	
	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	25		25
	35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	2,390	2,390	

FILE NAME = 21R0320_02-QUAN-01 - IDOT-QUAN

USER NAME =	DESIGNED -- TG	REVISED --
	CHECKED -- WPD	REVISED --
PLOT SCALE =	DRAWN -- MED	REVISED --
PLOT DATE = 02/07/24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OFF ROAD-COMED ROW MULTI-USE PATH EXTENSION SUMMARY OF QUANTITIES		
SCALE:	SHEET NO. 3 OF 30 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	21-00122-00-BT	COOK	30	3
CONTRACT NO. 61K30				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT HMG5(705)				

S.I.	CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	FED 80% VILLAGE 20% ROADWAY 0028	FED 80% VILLAGE 20% SAFETY 0028
	35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	945	945	
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	7,500	7,500	
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	630	630	
	40603080	HOT-MIX ASPHALT BINDER COURSE, 1L-19.0, N50	TON	105	105	
	40604060	HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "D", N50	TON	430	430	
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	225		225
	42400800	DETECTABLE WARNINGS	SQ FT	40		40
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	30	30	
	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	2	
	542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	71	71	
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	30	30	
	67100100	MOBILIZATION	LSUM	1	1	
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1	1	
*	72000100	SIGN PANEL - TYPE 1	SQ FT	41		41
*	72900100	METAL POST - TYPE A	FOOT	120		120
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2,440		2,440

FILE NAME = 21R0320_02-QUAN-01 - IDOT-QUAN (2)

USER NAME =	DESIGNED -- TG	REVISED --
	CHECKED -- WPD	REVISED --
PLOT SCALE =	DRAWN -- MED	REVISED --
PLOT DATE = 02/07/24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OFF ROAD-COMED ROW MULTI-USE PATH EXTENSION SUMMARY OF QUANTITIES			
SCALE:	SHEET NO. 4 OF 30 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	21-00122-00-BT	COOK	30	4
CONTRACT NO. 61K30				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	HMG5(705)	

S. I.	CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	FED 80% VILLAGE 20% ROADWAY 0028	FED 80% VILLAGE 20% SAFETY 0028
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	60		60
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	100		100
	X2020410	EARTH EXCAVATION (SPECIAL)	CU YD	1,100	1,100	
*	X2511630	EROSION CONTROL BLANKET (SPECIAL)	SQ YD	4,800	4,800	
	Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	100	100	

FILE NAME = 21R0320_02-QUAN-01 - IDOT-QUAN (3)

USER NAME =	DESIGNED -- TG	REVISED --
	CHECKED -- WPD	REVISED --
PLOT SCALE =	DRAWN -- MED	REVISED --
PLOT DATE = 02/07/24	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

OFF ROAD-COMED ROW MULTI-USE PATH EXTENSION SUMMARY OF QUANTITIES		
SCALE:	SHEET NO. 5 OF 30 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
----	21-00122-00-BT	COOK	30	5
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT HMG5(705)	
			CONTRACT NO. 61K30	

A. REFERENCED SPECIFICATIONS

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING, EXCEPT AS MODIFIED HEREIN OR ON THE PLANS:
 * STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2022 BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT SS) FOR ALL IMPROVEMENTS EXCEPT SANITARY SEWER AND WATER MAIN CONSTRUCTION;
 * STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION (SSWS) FOR SANITARY SEWER AND WATER MAIN CONSTRUCTION;
 * VILLAGE OF TINLEY PARK MUNICIPAL CODE;
 * THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO (MWRD) WATERSHED MANAGEMENT ORDINANCE AND TECHNICAL GUIDANCE MANUAL;
 * IN CASE OF CONFLICT BETWEEN THE APPLICABLE ORDINANCES NOTED, THE MORE STRINGENT SHALL TAKE PRECEDENCE AND SHALL CONTROL ALL CONSTRUCTION.

B. NOTIFICATIONS

- THE MWRD LOCAL SEWER SYSTEMS SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK (CALL 708-588-4055).
- THE VILLAGE OF TINLEY PARK ENGINEERING DEPARTMENT AND PUBLIC MUST BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE START OF CONSTRUCTION AND PRIOR TO EACH PHASE OF WORK. CONTRACTOR SHALL DETERMINE ITEMS REQUIRING INSPECTION PRIOR TO START OF CONSTRUCTION OR EACH WORK PHASE.
- THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION FOR THE EXACT LOCATIONS OF UTILITIES AND FOR THEIR PROTECTION DURING CONSTRUCTION. IF EXISTING UTILITIES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED. CALL J.U.L.I.E. AT 1-800-892-0123.

C. GENERAL NOTES

- ALL ELEVATIONS SHOWN ON PLANS REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). CONVERSION FACTOR IS N.A. FT.
- MWRD, THE MUNICIPALITY AND THE OWNER OR OWNER'S REPRESENTATIVE SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION IMPROVEMENTS.
- THE CONTRACTOR(S) SHALL INDEMNIFY THE OWNER, ENGINEER, MUNICIPALITY, MWRD, AND THEIR AGENTS, ETC., FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, OR TESTING OF THIS WORK ON THE PROJECT.
- THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY MWRD AND THE MUNICIPALITY UNLESS CHANGES ARE APPROVED BY MWRD, THE MUNICIPALITY, OR AUTHORIZED AGENT. THE CONSTRUCTION DETAILS, AS PRESENTED ON THE PLANS, MUST BE FOLLOWED. PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED ON THE IMPROVEMENTS INDICATED ON THE PLANS.
- THE LOCATION OF VARIOUS UNDERGROUND UTILITIES WHICH ARE SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND REPRESENT THE BEST KNOWLEDGE OF THE ENGINEER. VERIFY LOCATIONS AND ELEVATIONS PRIOR TO BEGINNING THE CONSTRUCTION OPERATIONS.
- ANY EXISTING PAVEMENT, SIDEWALK, DRIVEWAY, ETC., DAMAGED DURING CONSTRUCTION OPERATIONS AND NOT CALLED FOR TO BE REMOVED SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
- MATERIAL AND COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MUNICIPALITY, MWRD, AND OWNER.
- THE UNDERGROUND CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO NOTIFY ALL INSPECTION AGENCIES.
- ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS DISTURBED DURING CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO FINAL INSPECTION.
- RECORD DRAWINGS SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS UNDERGROUND IMPROVEMENTS ARE COMPLETED. FINAL PAYMENTS TO THE CONTRACTOR SHALL BE HELD UNTIL THEY ARE RECEIVED. ANY CHANGES IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED. ALL WYES OR BENDS SHALL BE LOCATED FROM THE DOWNSTREAM MANHOLE. ALL VALVES, B-BOXES, TEES OR BENDS SHALL BE TIED TO A FIRE HYDRANT.

D. SANITARY SEWER

- THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT ANY POLLUTED WATER, SUCH AS GROUND AND SURFACE WATER, FROM ENTERING THE EXISTING SANITARY SEWERS.
- A WATER-TIGHT PLUG SHALL BE INSTALLED IN THE DOWNSTREAM SEWER PIPE AT THE POINT OF SEWER CONNECTION PRIOR TO COMMENCING ANY SEWER CONSTRUCTION. THE PLUG SHALL REMAIN IN PLACE UNTIL REMOVAL IS AUTHORIZED BY THE MUNICIPALITY AND/OR MWRD AFTER THE SEWERS HAVE BEEN TESTED AND ACCEPTED.
- DISCHARGING ANY UNPOLLUTED WATER INTO THE SANITARY SEWER SYSTEM FOR THE PURPOSE OF SEWER FLUSHING OF LINES FOR THE DEFLECTION TEST SHALL BE PROHIBITED WITHOUT PRIOR APPROVAL FROM THE MUNICIPALITY OR MWRD.
- ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (LATEST EDITION).
- ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER SYSTEM.
- ALL DOWNSPOUTS AND FOOTING DRAINS SHALL DISCHARGE TO THE STORM SEWER SYSTEM.
- ALL SANITARY SEWER PIPE MATERIALS AND JOINTS (AND STORM SEWER PIPE MATERIALS AND JOINTS IN A COMBINED SEWER AREA) SHALL CONFORM TO THE FOLLOWING:

<u>PIPE MATERIAL</u>	<u>PIPE SPECIFICATIONS</u>	<u>JOINT SPECIFICATIONS</u>
REINFORCED CONCRETE SEWER PIPE	ASTM C-76	ASTM C-443

- ALL SANITARY SEWER CONSTRUCTION (AND STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS), REQUIRES STONE BEDDING WITH STONE ¼ " TO 1" IN SIZE, WITH MINIMUM BEDDING THICKNESS EQUAL TO ¼ THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT LESS THAN FOUR (4) INCHES NOR MORE THAN EIGHT (8) INCHES. MATERIAL SHALL BE CA-7, CA-11 OR CA-13 AND SHALL BE EXTENDED AT LEAST 12" ABOVE THE TOP OF THE PIPE WHEN USING PVC.

- NON-SHEAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR PIPE MATERIALS.

- ALL MANHOLES SHALL BE PROVIDED WITH BOLTED, WATERTIGHT COVERS. SANITARY LIDS SHALL BE CONSTRUCTED WITH A CONCEALED PICKHOLE AND WATERTIGHT GASKET WITH THE WORD "SANITARY" CAST INTO THE LID.

- WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR AN EXISTING MANHOLE, ONE OF THE FOLLOWING METHODS SHALL BE USED:
 a) A CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER SEWER TAPPING TOOLS AND PROPER INSTALLATION OF HUBWYE SADDLE OR HUB-TEE SADDLE.
 b) REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION.
 c) WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING.

- WHENEVER A SANITARY/COMBINED SEWER CROSSES UNDER A WATERMAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATERMAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATERMANS SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATERMAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATER MAIN, THE SEWER SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS OR IT SHALL BE ENCASED WITH A WATER MAIN QUALITY CARRIER PIPE WITH THE ENDS SEALED.

- ALL EXISTING SEPTIC SYSTEMS SHALL BE ABANDONED. ABANDONED TANKS SHALL BE FILLED WITH GRANULAR MATERIAL OR REMOVED.

- ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES, AND SHALL BE CAST IN PLACE OR PRE-CAST REINFORCED CONCRETE.

- ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE PRECAST "RUBBER BOOTS" THAT CONFORM TO ASTM C-923 FOR ALL PIPE CONNECTIONS. PRECAST SECTIONS SHALL CONSIST OF MODIFIED GROOVE TONGUE AND RUBBER GASKET TYPE JOINTS.

- ALL ABANDONED SANITARY SEWERS SHALL BE PLUGGED AT BOTH ENDS WITH AT LEAST 2 FEET LONG NON-SHRINK CONCRETE OR MORTAR PLUG.

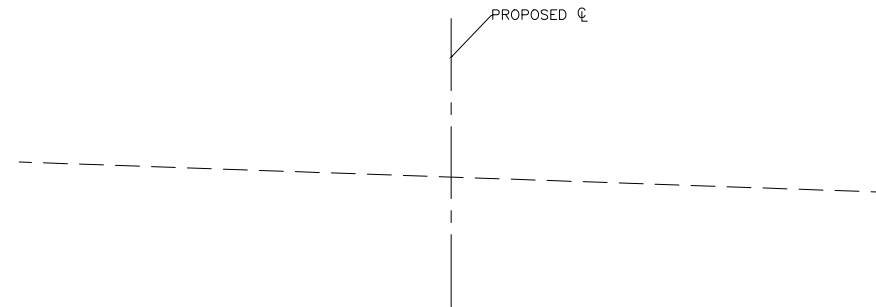
- EXCEPT FOR FOUNDATION/FOOTING DRAINS PROVIDED TO PROTECT BUILDINGS, OR PERFORATED PIPES ASSOCIATED WITH VOLUME CONTROL FACILITIES, DRAIN TILES/FIELD TILES/UNDERDRAINS/PERFORATED PIPES ARE NOT ALLOWED TO BE CONNECTED TO OR TRIBUTARY TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS IN COMBINED SEWER AREAS. CONSTRUCTION OF NEW FACILITIES OF THIS TYPE IS PROHIBITED; AND ALL EXISTING DRAIN TILES AND PERFORATED PIPES ENCOUNTERED WITHIN THE PROJECT AREA SHALL BE PLUGGED OR REMOVED, AND SHALL NOT BE CONNECTED TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS.

- A BACKFLOW PREVENTER IS REQUIRED FOR ALL DETENTION BASINS TRIBUTARY TO COMBINED SEWERS. REQUIRED BACKFLOW PREVENTERS SHALL BE INSPECTED AND EXERCISED ANNUALLY BY THE PROPERTY OWNER TO ENSURE PROPER OPERATION, AND ANY NECESSARY MAINTENANCES SHALL BE PERFORMED TO ENSURE FUNCTIONALITY. IN THE EVENT OF A SEWER SURCHARGE INTO AN OPEN DETENTION BASIN TRIBUTARY TO COMBINED SEWERS, THE PERMITTEE SHALL ENSURE THAT CLEAN UP AND WASH OUT OF SEWAGE TAKES PLACE WITHIN 48 HOURS OF THE STORM EVENT.

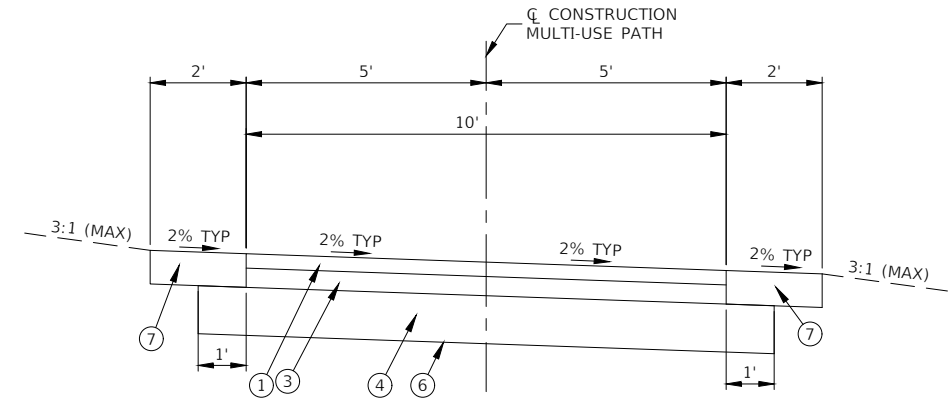
E. EROSION AND SEDIMENT CONTROL

- THE CONTRACTOR SHALL INSTALL THE EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.
- EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL PRIOR TO HYDROLOGIC DISTURBANCE OF THE SITE.
- ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
- A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
 a) UPON COMPLETION OF INITIAL EROSION AND SEDIMENT CONTROL MEASURES, PRIOR TO ANY SOIL DISTURBANCE.
 b) ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE CO-PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
- A STABILIZED MAT OF CRUSHED STONE MEETING THE STANDARDS OF THE ILLINOIS URBAN MANUAL SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND SHALL BE INSTALLED PRIOR TO ANY ON SITE CONSTRUCTION ACTIVITIES INVOLVING CONCRETE.
- MORTAR WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ADDITION TO CONCRETE WASHOUT FACILITIES FOR ANY BRICK AND MORTAR BUILDING ENVELOPE CONSTRUCTION ACTIVITIES.
- TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN. VOLUME CONTROL FACILITIES SHALL NOT BE USED AS TEMPORARY SEDIMENT BASINS.
- DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) DAYS.
- ALL FLOOD PROTECTION AREAS AND VOLUME CONTROL FACILITIES SHALL, AT A MINIMUM, BE PROTECTED WITH A DOUBLE-ROW OF SILT FENCE (OR EQUIVALENT).
- VOLUME CONTROL FACILITIES SHALL NOT BE CONSTRUCTED UNTIL ALL OF THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
- SOIL STOCKPILES SHALL, AT A MINIMUM, BE PROTECTED WITH PERIMETER SEDIMENT CONTROLS. SOIL STOCKPILES SHALL NOT BE PLACED IN FLOOD PROTECTION AREAS OR THEIR BUFFERS.
- EARTHEN EMBANKMENT SIDE SLOPES SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL BLANKET.
- STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY APPROPRIATE SEDIMENT CONTROL MEASURES.
- THE CONTRACTOR SHALL EITHER REMOVE OR REPLACE ANY EXISTING DRAIN TILES AND INCORPORATE THEM INTO THE DRAINAGE PLAN FOR THE DEVELOPMENT. DRAIN TILES CANNOT BE TRIBUTARY TO A SANITARY OR COMBINED SEWER. DRAIN TILES ALLOWED IN COMBINED SEWER AREA FOR GREEN INFRASTRUCTURE PRACTICES.
- IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE SITE INSPECTOR MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
- THE CONTRCTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING AND EXCAVATION FOR THE INSTALLATION OF SANITARY SEWERS, STORM SEWERS, WATERMANS AS WELL AS THEIR SERVICES AND OTHER APPURTENANCES. ANY TRENCH DEWATERING, WHICH CONTAINS SEDIMENT SHALL PASS THROUGH A SEDIMENT SETTLING POND OR EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE. ALTERNATIVES MAY INCLUDE DEWATERING INTO A SUMP PIT, FILTER BAG OR EXISTING VEGETATED UPSLOPE AREA. SEDIMENT LADEN WATERS SHALL NOT BE DISCHARGE TO WATERWAYS, FLOOD PROTECTION AREAS OR THE COMBINED SEWER SYSTEM.
- ALL PERMANENT EROSION CONTROL PRACTICES SHALL BE INITIATED WITHIN SEVEN (7) DAYS FOLLOWING THE COMPLETION OF SOIL DISTURBING ACTIVITIES.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED ON A YEAR-ROUND BASIS DURING CONSTRUCTION AND ANY PERIODS OF CONSTRUCTION SHUTDOWN UNTIL PERMANENT STABILIZATION IS ACHIEVED.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION.
- THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, SITE INSPECTOR, OR MWRD.

FILE NAME = 21R0320_02-QUAN-01 - IDOT-NOTS-01	USER NAME =	DESIGNED -- TG	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OFF ROAD-COMED ROW MULTI-USE PATH EXTENSION MWRD GENERAL NOTES			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED -- WPD	REVISED --					---	21-00122-00-BT	COOK	30	6
	PLOT SCALE =	DRAWN -- MED	REVISED --					CONTRACT NO. 61K30				
	PLOT DATE = 02/07/24	CHECKED -- AG	REVISED --					SCALE:	SHEET NO. 6 OF 30 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS



EXISTING TYPICAL SECTION
STA 10+53.32 TO STA 34+90.90



PROPOSED TYPICAL SECTION
STA 10+50 TO STA 17+10

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

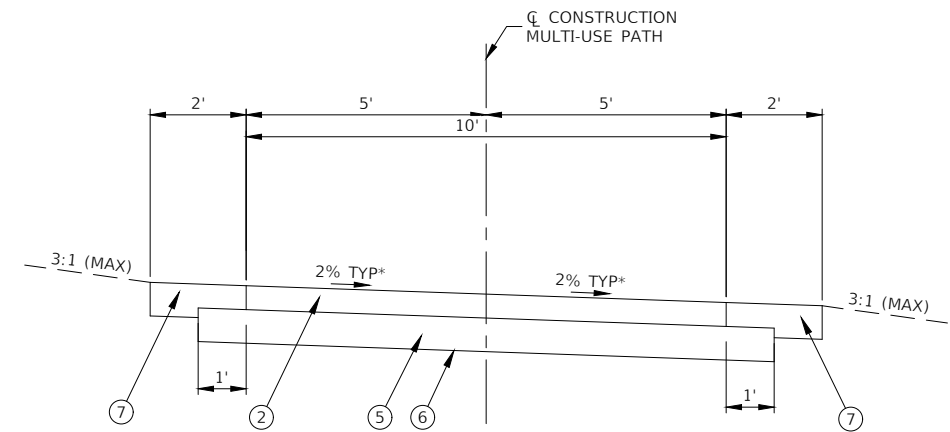
MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
MULTI-USE PATH STA 10+53.32 TO 17+10		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 3/4"	4% @ 50 Gyr.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/4"	4% @ 50 Gyr.	LR 1030-2
MULTI-USE PATH STA 17+10 TO 35+58.49		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 3" (2 LIFTS)	4% @ 50 Gyr.	LR 1030-2
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (PATCHING IN FRONT OF CURB)		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5mm), 2"	4% @ 50 Gyr.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 7"	4% @ 50 Gyr.	LR 1030-2
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR1030-2		

NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE IS 112LBS/SQ/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.

PROPOSED LEGEND

- ① HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 MIX "D", N50, 1-3/4"
- ② HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 MIX "D", N50, 3"
- ③ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2-1/4"
- ④ AGGREGATE BASE COURSE, TYPE B, 8"
- ⑤ AGGREGATE BASE COURSE, TYPE B, 6"
- ⑥ GEOTECHNICAL FABRIC (FOR STABILIZATION)
- ⑦ TOPSOIL FROM EARTH EXCAVATION (SPECIAL) OR IF NEEDED TOPSOIL FURNISH AND PLACE, 4" SEEDING CLASS 1 (OR CLASS 4B WITHIN THE WETLAND BUFFER AREAS)



PROPOSED TYPICAL SECTION
STA 17+10 TO STA 34+90.90

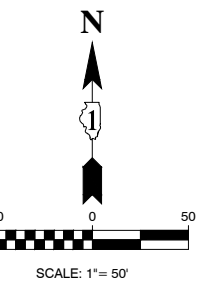
*SEE PLAN VIEW FOR ACTUAL DIRECTION OF CROSS SLOPE.
FROM STATION 27+75 TO END, THE CROSS SLOPE GOES IN THE OPPOSITE DIRECTION THAN AS SHOWN.

FILE NAME = 21R0320_02-TYPX-01 - TYPX01	USER NAME =	DESIGNED -- TG	REVISED -- ##
		CHECKED -- WPD	REVISED -- ##
	PLOT SCALE =	DRAWN -- RG	REVISED -- ##
	PLOT DATE = 02/07/24	CHECKED -- AG	REVISED -- ##

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OFF ROAD-COMED ROW MULTI-USE PATH EXTENSION TYPICAL CROSS SECTIONS			
SCALE: NONE	SHEET NO. 7	OF 30 SHEETS	STA. TO STA.

F.A.# RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	21-00122-00-BT	COOK	30	7
CONTRACT NO. 61K30				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT HMG5(705)				



84TH AVENUE

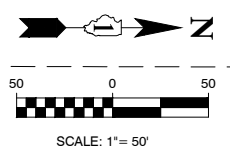
**BEGIN IMPROVEMENT
STA 10+53.32**

MATCHLINE STA 22+50

CURVE "1"	CURVE "2"	CURVE "3"	CURVE "4"
PI=STA. 15+71.27	PI=STA. 16+67.84	PI=STA. 18+15.55	PI=STA. 20+54.37
$\Delta=22^{\circ}59'40"$	$\Delta=35^{\circ}52'51"$	$\Delta=28^{\circ}39'11"$	$\Delta=20^{\circ}43'25"$
$D=44^{\circ}04'25"$	$D=39^{\circ}30'52"$	$D=23^{\circ}23'10"$	$D=57^{\circ}17'45"$
R=130.000'	R=145.000'	R=245.000'	R=100.000'
T=26.442'	T=46.947'	T=62.570'	T=18.284'
L=52.173'	L=90.804'	L=122.522'	L=36.169'
E=2.662'	E=7.411'	E=7.864'	E=1.658'

	STATION	NORTHING	EASTING
Start:	10+00.000	1783146.406	1124164.005
PC:	15+44.829	1783185.808	1124707.407
PT:	15+97.001	1783179.178	1124758.804
PC:	16+20.893	1783171.46	1124781.414
PT:	17+11.697	1783170.046	1124870.731
PC:	17+52.977	1783182.139	1124910.2
PT:	18+75.499	1783245.239	1125013.737
PC:	20+36.090	1783360.146	1125125.923
PT:	20+72.259	1783380.946	1125155.272
PC:	22+55.219	1783458.161	1125321.14
PT:	24+54.773	1783613.198	1125432.627
PC:	25+08.027	1783666.119	1125438.566
PT:	25+41.681	1783699.106	1125445.041
PC:	26+06.542	1783761.514	1125462.712
PT:	26+66.066	1783820.357	1125470.004
PC:	27+27.412	1783881.676	1125468.205
PT:	27+82.679	1783935.286	1125456.222
PC:	28+01.027	1783952.11	1125448.901
PT:	28+46.825	1783996.176	1125437.049
PC:	28+63.299	1784012.541	1125435.158
PT:	29+28.162	1784076.646	1125441.217
PC:	29+63.544	1784110.412	1125451.79
PT:	30+28.439	1784174.401	1125460.617
PC:	30+94.683	1784240.617	1125458.674
PT:	31+31.412	1784276.315	1125450.954
PC:	31+50.828	1784294.223	1125443.454
PT:	32+17.509	1784359.584	1125438.274
PC:	32+52.422	1784393.51	1125446.52
PT:	32+91.247	1784432.008	1125450.559

NIELSON DRIVE



MATCHLINE STA 22+50

**END IMPROVEMENT
STA 35+58.49**

CURVE "5"	CURVE "6"	CURVE "7"	CURVE "8"	CURVE "9"	CURVE "10"	CURVE "11"	CURVE "12"	CURVE "13"	CURVE "14"
PI=STA. 23+64.72	PI=STA. 25+24.89	PI=STA. 26+36.54	PI=STA. 27+55.38	PI=STA. 28+24.09	PI=STA. 28+96.21	PI=STA. 29+96.29	PI=STA. 31+13.26	PI=STA. 31+85.34	PI=STA. 32+71.95
$\Delta=58^{\circ}38'02"$	$\Delta=9^{\circ}24'22"$	$\Delta=17^{\circ}29'22"$	$\Delta=21^{\circ}50'17"$	$\Delta=16^{\circ}55'45"$	$\Delta=23^{\circ}58'35"$	$\Delta=19^{\circ}04'03"$	$\Delta=21^{\circ}02'40"$	$\Delta=36^{\circ}23'10"$	$\Delta=15^{\circ}20'30"$
$D=29^{\circ}22'57"$	$D=27^{\circ}56'57"$	$D=29^{\circ}22'57"$	$D=39^{\circ}30'52"$	$D=36^{\circ}57'54"$	$D=36^{\circ}57'54"$	$D=29^{\circ}22'57"$	$D=57^{\circ}17'43"$	$D=54^{\circ}34'03"$	$D=39^{\circ}30'52"$
R=195.000'	R=205.000'	R=195.000'	R=145.000'	R=155.000'	R=155.000'	R=195.000'	R=100.001'	R=105.000'	R=145.000'
T=109.505'	T=16.865'	T=29.995'	T=27.973'	T=23.067'	T=32.913'	T=18.574'	T=18.574'	T=34.508'	T=19.530'
L=199.554'	L=33.655'	L=59.524'	L=55.267'	L=45.798'	L=64.863'	L=64.894'	L=36.730'	L=66.681'	L=38.826'
E=28.643'	E=0.693'	E=2.293'	E=2.674'	E=1.707'	E=3.456'	E=2.731'	E=1.710'	E=5.525'	E=1.309'

FILE NAME = 21R0320_02_TIES-01 - PLPR01

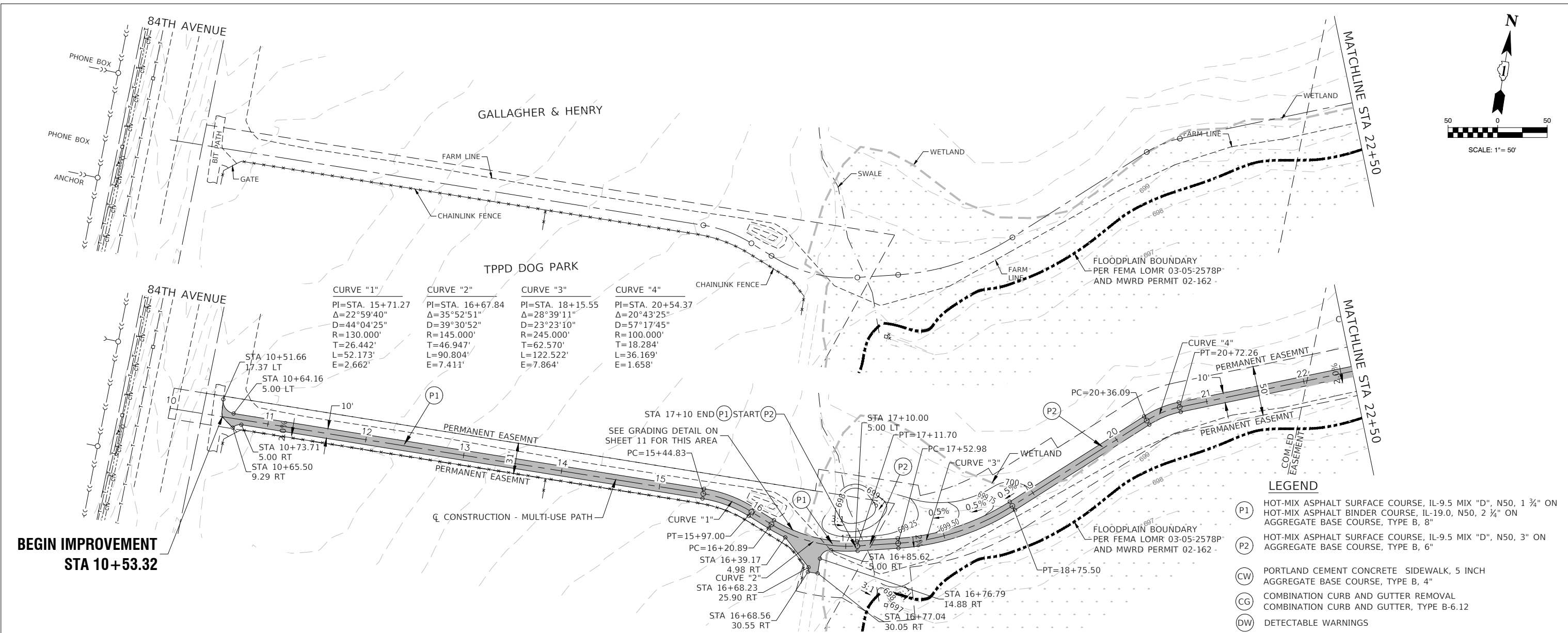
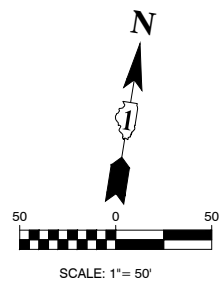
USER NAME =	DESIGNED -- TG	REVISD --
CHECKED -- WPD	REVISD --	
PLOT SCALE =	DRAWN -- ACAD	REVISD --
PLOT DATE = 02/07/24	CHECKED -- ACAD	REVISD --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**OFF ROAD-COMED ROW
MULTI-USE PATH EXTENSION
ALIGNMENT AND TIES**

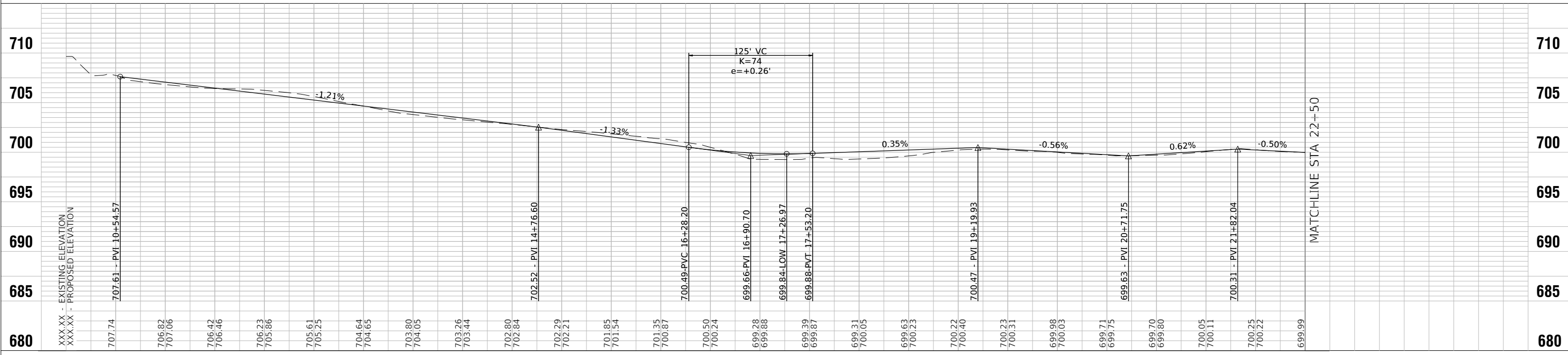
SCALE: SHEET NO. 8 OF 30 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	21-00122-00-BT	COOK	30	8
CONTRACT NO. 61K30				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	HMG(5)(705)	

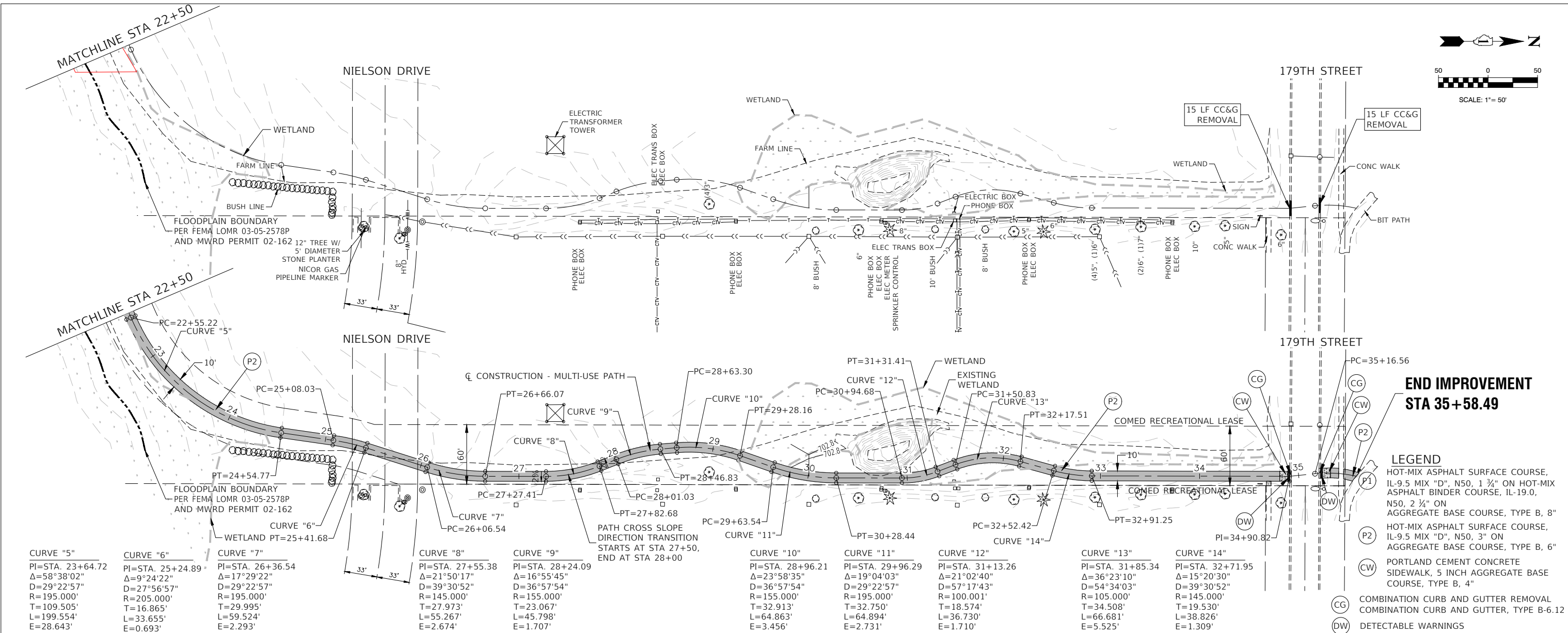
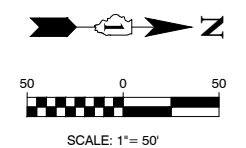


CURVE "1"	CURVE "2"	CURVE "3"	CURVE "4"
PI=STA. 15+71.27	PI=STA. 16+67.84	PI=STA. 18+15.55	PI=STA. 20+54.37
Δ=22°59'40"	Δ=35°52'51"	Δ=28°39'11"	Δ=20°43'25"
D=44°04'25"	D=39°30'52"	D=23°23'10"	D=57°17'45"
R=130.000'	R=145.000'	R=245.000'	R=100.000'
T=26.442'	T=46.947'	T=62.570'	T=18.284'
L=52.173'	L=90.804'	L=122.522'	L=36.169'
E=2.662'	E=7.411'	E=7.864'	E=1.658'

- LEGEND**
- (P1) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 MIX "D", N50, 1 3/4" ON AGGREGATE BASE COURSE, TYPE B, 8"
 - (P2) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 MIX "D", N50, 3" ON AGGREGATE BASE COURSE, TYPE B, 8"
 - (CW) PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH AGGREGATE BASE COURSE, TYPE B, 4"
 - (CG) COMBINATION CURB AND GUTTER REMOVAL
 - (CG) COMBINATION CURB AND GUTTER, TYPE B-6.12
 - (DW) DETECTABLE WARNINGS

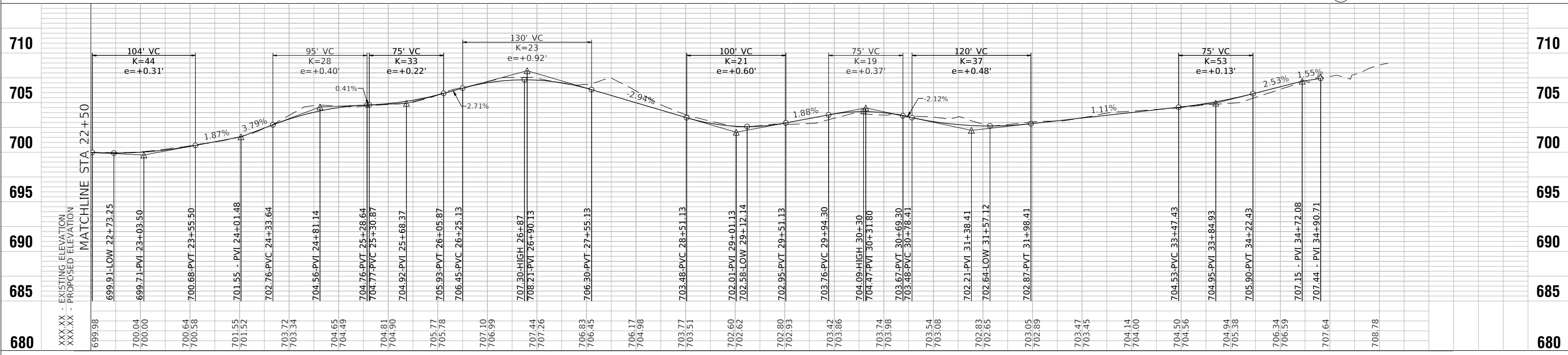


FILE NAME = 21R0320_02-PLPR-01 - PLPR01	USER NAME =	DESIGNED - TG	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OFF ROAD-COMED ROW MULTI-USE PATH EXTENSION PLAN & PROFILE			F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = H:1"=50' V:1"=5'	CHECKED - WPD	REVISD -					---	21-00122-00-BT	COOK	30	9	
	PLOT DATE = 02/07/24	DRAWN - MED	REVISD -					CONTRACT NO. 61K30					
		CHECKED - AG	REVISD -					SCALE: H 1"=50' V 1"=5' SHEET NO. 9 OF 30 SHEETS STA. 10+00 TO STA. 22+50					
												FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT HMG5(705)	

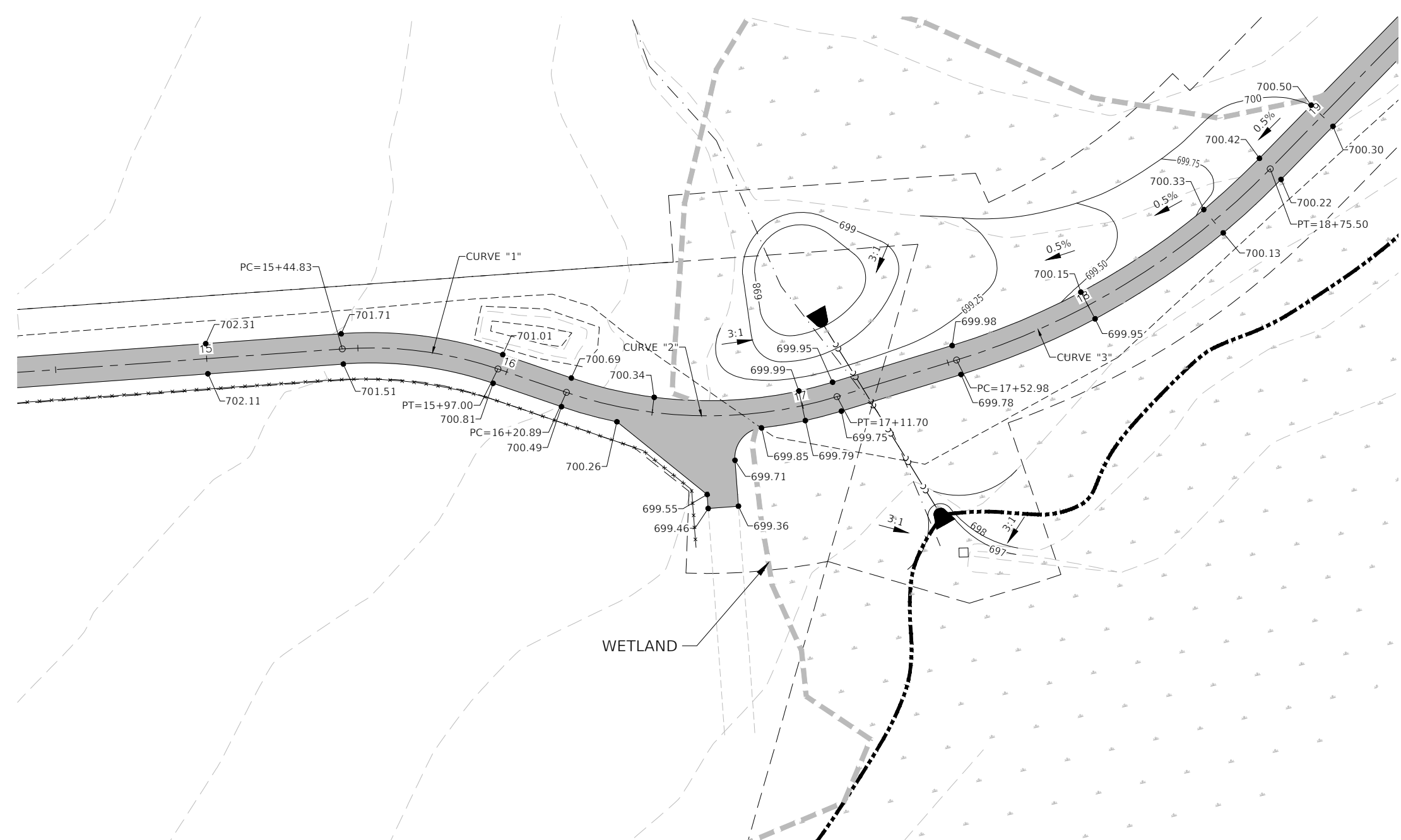
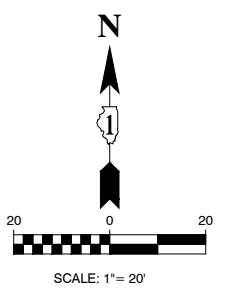


CURVE	PI=STA.	Δ	D	R	T	L	E
CURVE "5"	23+64.72	58°38'02"	29°22'57"	195.000'	109.505'	199.554'	28.643'
CURVE "6"	25+24.89	9°24'22"	27°56'57"	205.000'	16.865'	33.655'	0.693'
CURVE "7"	26+36.54	17°29'22"	29°22'57"	195.000'	29.995'	59.524'	2.293'
CURVE "8"	27+55.38	21°50'17"	39°30'52"	145.000'	27.973'	55.267'	2.674'
CURVE "9"	28+24.09	16°55'45"	36°57'54"	155.000'	23.067'	45.798'	1.707'
CURVE "10"	28+96.21	23°58'35"	36°57'54"	155.000'	32.913'	64.863'	3.456'
CURVE "11"	29+96.29	19°04'03"	29°22'57"	195.000'	32.750'	64.894'	2.731'
CURVE "12"	31+13.26	21°02'40"	57°17'43"	100.001'	18.574'	36.730'	1.710'
CURVE "13"	31+85.34	36°23'10"	54°34'03"	105.000'	34.508'	66.681'	5.525'
CURVE "14"	32+71.95	15°20'30"	39°30'52"	145.000'	19.530'	38.826'	1.309'

- LEGEND**
- (P1) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 MIX "D", N50, 1 3/4" ON HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/4" ON AGGREGATE BASE COURSE, TYPE B, 8"
 - (P2) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 MIX "D", N50, 3" ON AGGREGATE BASE COURSE, TYPE B, 6"
 - (CW) PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH AGGREGATE BASE COURSE, TYPE B, 4"
 - (CG) COMBINATION CURB AND GUTTER REMOVAL
 - (DW) COMBINATION CURB AND GUTTER, TYPE B-6.12
 - (DW) DETECTABLE WARNINGS



FILE NAME = 21R0320_02-PLPR-01 - PLPR02	USER NAME =	DESIGNED = TG	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OFF ROAD-COMED ROW MULTI-USE PATH EXTENSION PLAN & PROFILE			F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = H:1"=50' V:1"=5'	CHECKED = WPD	REVISED =		SCALE: H:1"=50' V:1"=5'			21-00122-00-BT	COOK	30	10	
	PLOT DATE = 02/07/24	DRAWN = MED	REVISED =		SHEET NO. 10 OF 30 SHEETS			CONTRACT NO. 61K30				
		CHECKED = AG	REVISED =		STA. 22+50 TO STA. 35+00			FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT HMG5(705)		

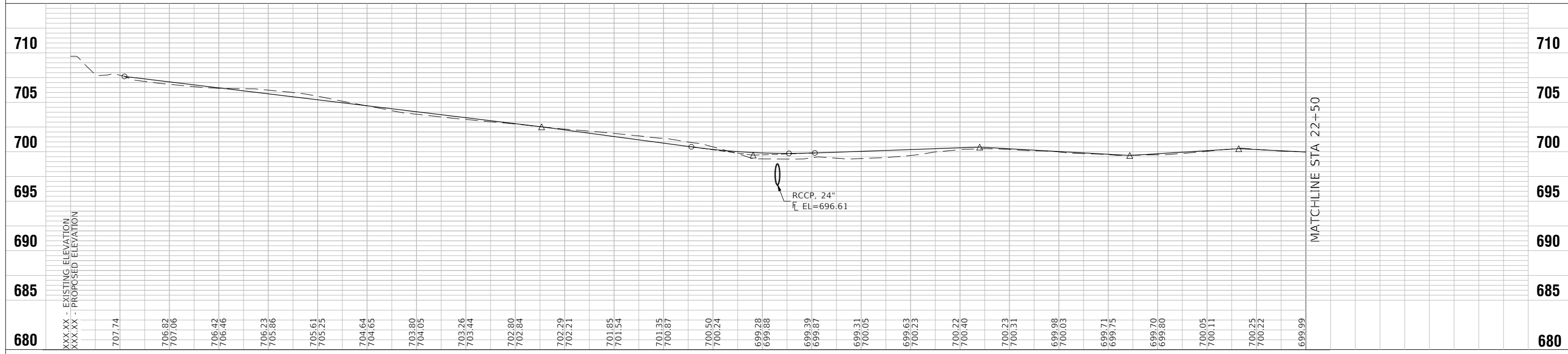
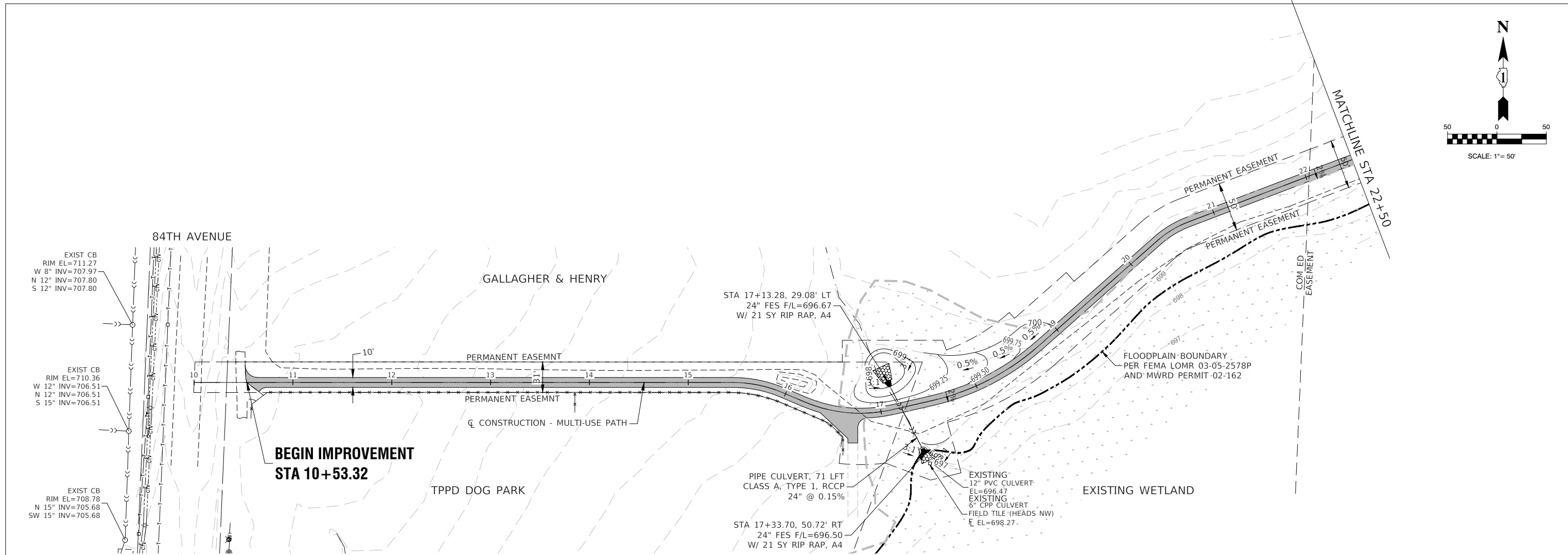
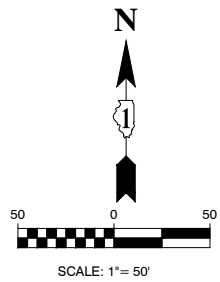


FILE NAME = 21R0320_02-PLAN-01 - PLPR01	USER NAME =	DESIGNED -- TG	REVISED --
		CHECKED -- WPD	REVISED --
	PLOT SCALE = 1"=40'	DRAWN -- MED	REVISED --
	PLOT DATE = 02/07/24	CHECKED -- AG	REVISED --

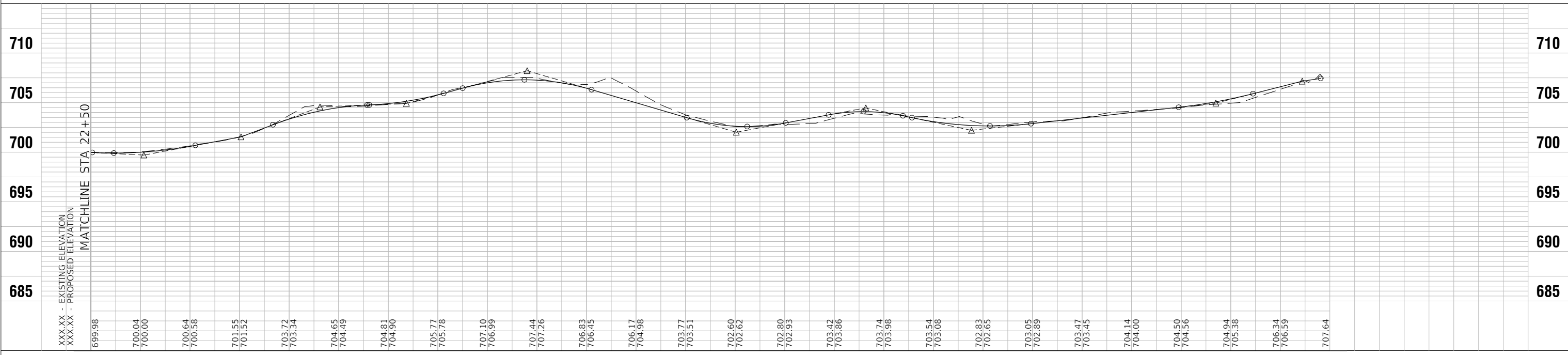
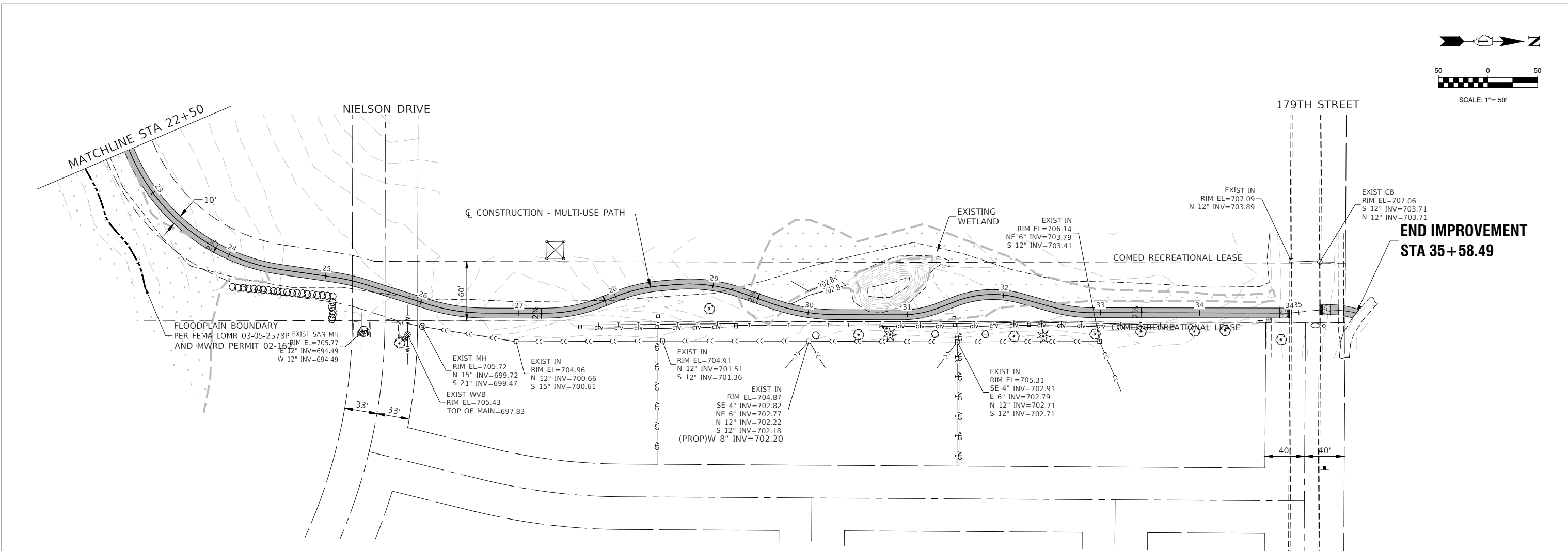
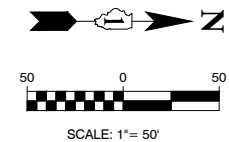
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

OFF ROAD-COMED ROW MULTI-USE PATH EXTENSION GRADING DETAIL			
SCALE:	SHEET NO. 11 OF 30 SHEETS	STA.	TO STA.

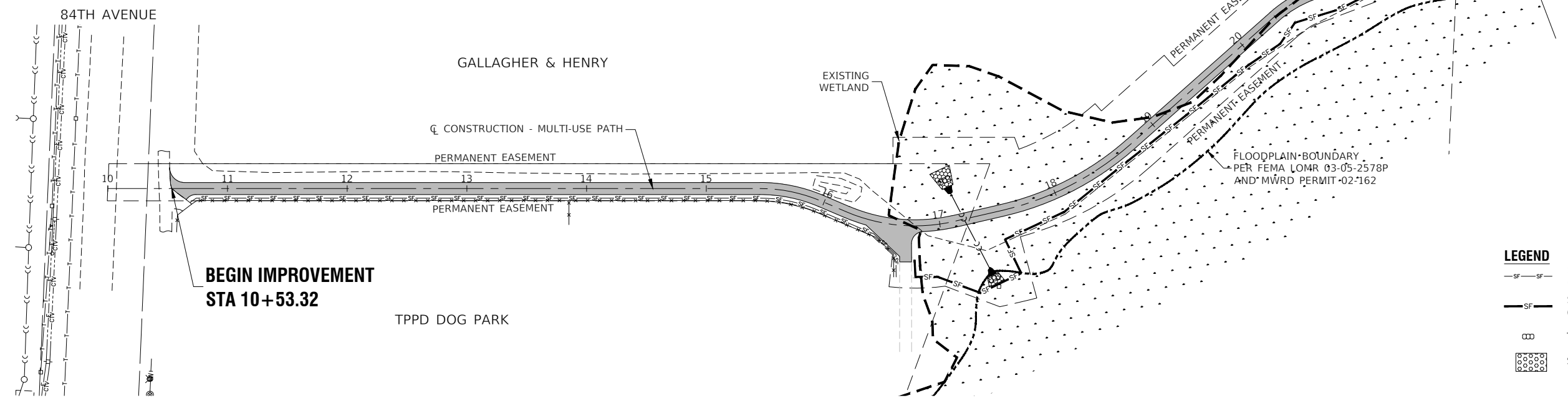
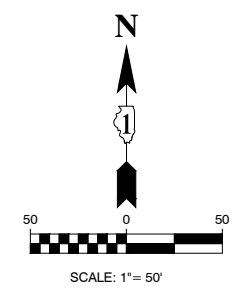
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	21-00122-00-BT	COOK	30	11
CONTRACT NO. 61K30				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	HMG5(705)	



FILE NAME = 21R0320_02-STRM-01 - PLPR01	USER NAME =	DESIGNED - TG	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OFF ROAD-COMED ROW MULTI-USE PATH EXTENSION DRAINAGE & UTILITIES			F.A.U. R.T.E. =	SECTION = 21-00122-00-BT	COUNTY = COOK	TOTAL SHEETS = 30	SHEET NO. = 12	
	PLOT SCALE =	DRAWN - MED	REVISD -		SCALE: H:1"=50' V:1"=5'			SHEET NO. 12	OF 30 SHEETS	STA. 10+00	TO STA. 22+50	CONTRACT NO. 61K30	
	PLOT DATE = 02/07/24	CHECKED - AG	REVISD -					FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT HMG5(705)			

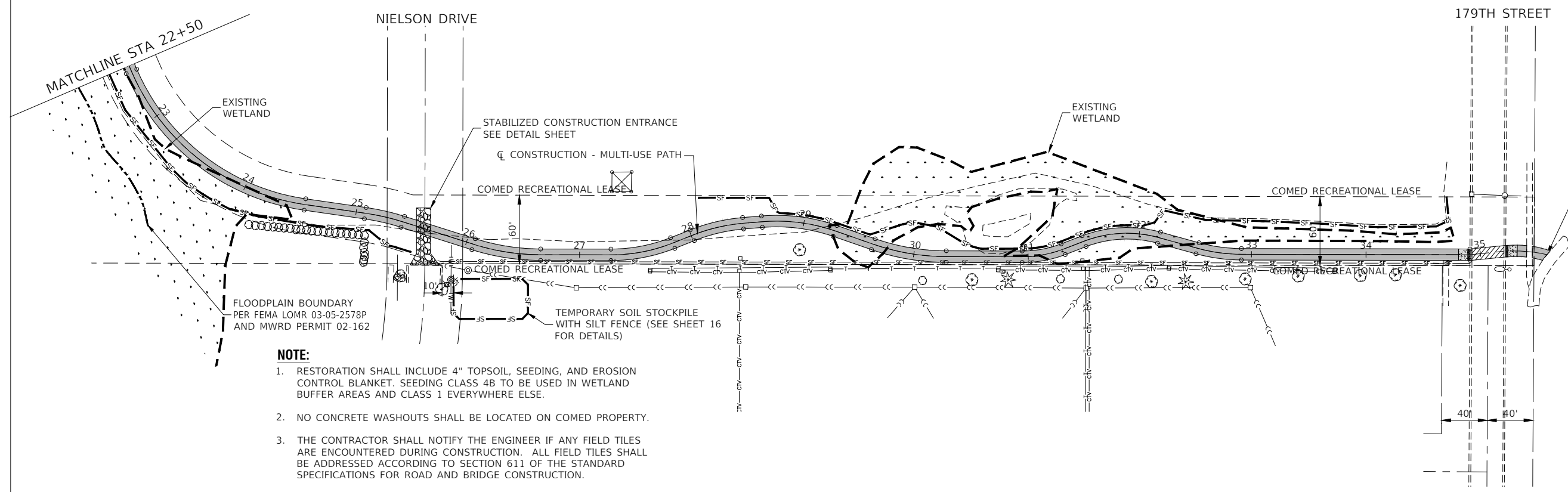
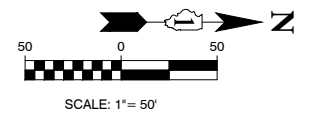


FILE NAME = 21R0320_02-STRM-01 - PLPR02	USER NAME =	DESIGNED - TG	REVISOR -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OFF ROAD-COMED ROW MULTI-USE PATH EXTENSION DRAINAGE & UTILITIES			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED - WPD	REVISOR -		SCALE: H:1"=50' V:1"=5'			---	21-00122-00-BT	COOK	30	13
	PLOT DATE = 02/07/24	DRAWN - MED	REVISOR -		SHEET NO. 13 OF 30 SHEETS			STA. 22+50	CONTRACT NO. 61K30			
		CHECKED - AG	REVISOR -		TO STA. 35+00			FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT HMG5(705)		



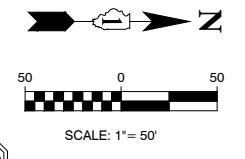
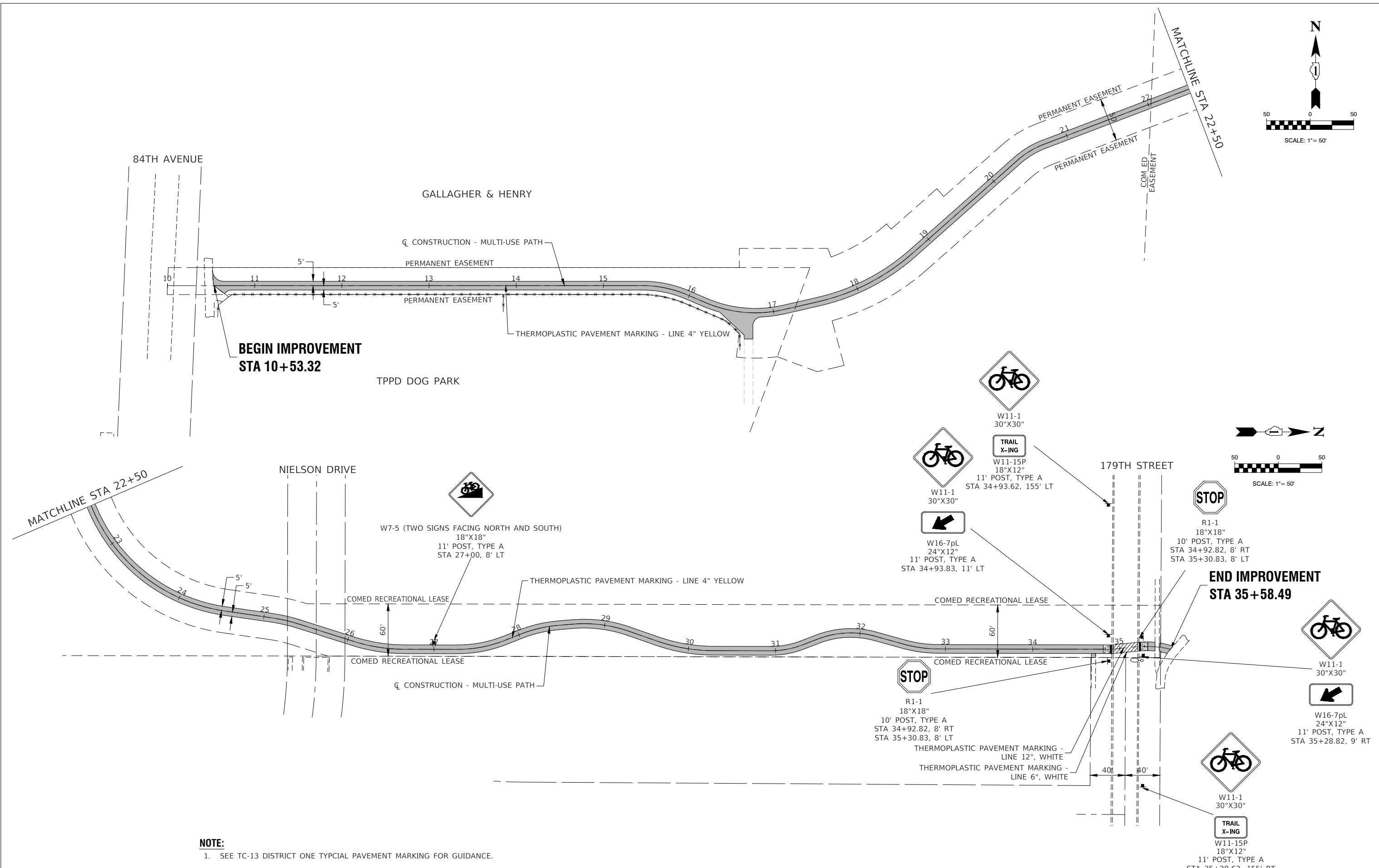
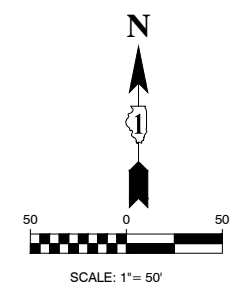
LEGEND

	SILT FENCE (PERIMETER EROSION BARRIER)
	SILT FENCE (DOUBLE ROW 1' APART) (PERIMETER EROSION BARRIER)
	TEMPORARY DITCH CHECK
	STONE RIPRAP, CLASS A4



- NOTE:**
- RESTORATION SHALL INCLUDE 4" TOPSOIL, SEEDING, AND EROSION CONTROL BLANKET. SEEDING CLASS 4B TO BE USED IN WETLAND BUFFER AREAS AND CLASS 1 EVERYWHERE ELSE.
 - NO CONCRETE WASHOUTS SHALL BE LOCATED ON COMED PROPERTY.
 - THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY FIELD TILES ARE ENCOUNTERED DURING CONSTRUCTION. ALL FIELD TILES SHALL BE ADDRESSED ACCORDING TO SECTION 611 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
 - PHOSPHORUS FERTILIZER HAS BEEN INTENTIONALLY OMITTED FROM THE CONTRACT DUE TO THE PROXIMITY OF THE EXISTING WETLANDS/BODIES OF WATER. A PHOSPHORUS-FREE FERTILIZER SHALL BE USED (MIDDLE NUMBER SHOULD EQUAL 0).

FILE NAME = 21R0320_02-LNCS-01 - P01	USER NAME =	DESIGNED -- TG	REVISIONS --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OFF ROAD-COMED ROW MULTI-USE PATH EXTENSION LANDSCAPING & EROSION CONTROL			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED -- WPD	REVISIONS --		SCALE: 1"=50'	SHEET NO. 14 OF 30 SHEETS	STA. 10+00 TO STA. 35+00	---	21-00122-00-BT	COOK	30	14
	PLOT SCALE =	DRAWN -- MED	REVISIONS --		CONTRACT NO. 61K30							
	PLOT DATE = 02/07/24	CHECKED -- AG	REVISIONS --		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT HMGS(705)							



NOTE:
 1. SEE TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKING FOR GUIDANCE.

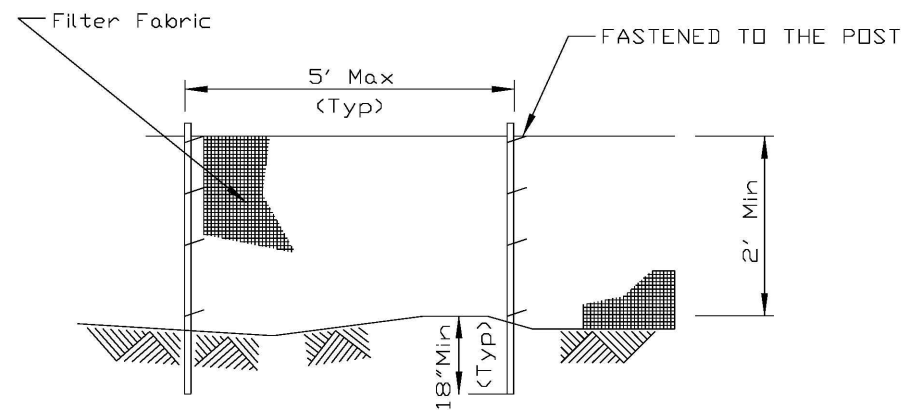
FILE NAME = 21R0320_02-PVMK-01 - P01	USER NAME =	DESIGNED -- TG	REVISED --
		CHECKED -- WPD	REVISED --
	PLOT SCALE =	DRAWN -- MED	REVISED --
	PLOT DATE = 02/07/24	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

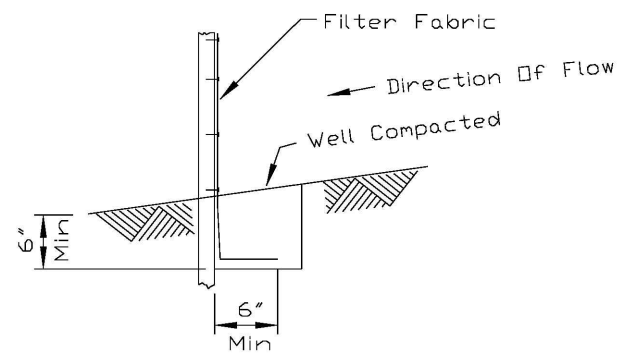
OFF ROAD-COMED ROW MULTI-USE PATH EXTENSION PAVEMENT MARKING & SIGNING	
SCALE:	SHEET NO. 15 OF 30 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00122-00-BT	COOK	30	15
CONTRACT NO. 61K30				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT HMG5(705)				

SILT FENCE PLAN



ELEVATION



FABRIC ANCHOR DETAIL

NOTES:

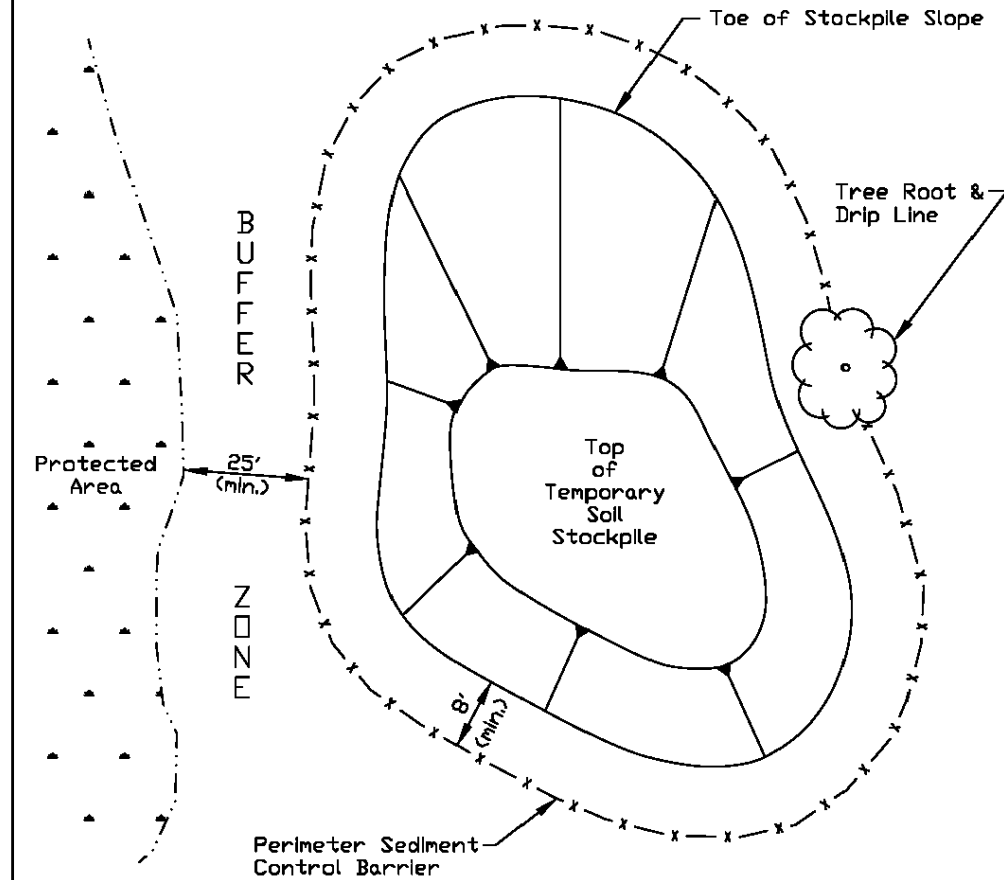
1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1, Class 2.
3. Fence posts shall be either standard steel post or wood post 2" X 2" nominal.

REFERENCE	Project	_____
	Designed	_____ Date _____
	Checked	_____ Date _____
	Approved	_____ Date _____



STANDARD DWG. NO.
IUM-620A
SHEET 1 OF 2
DATE 04-15-2021

TEMPORARY SOIL STOCKPILE DETAIL



NOTES:

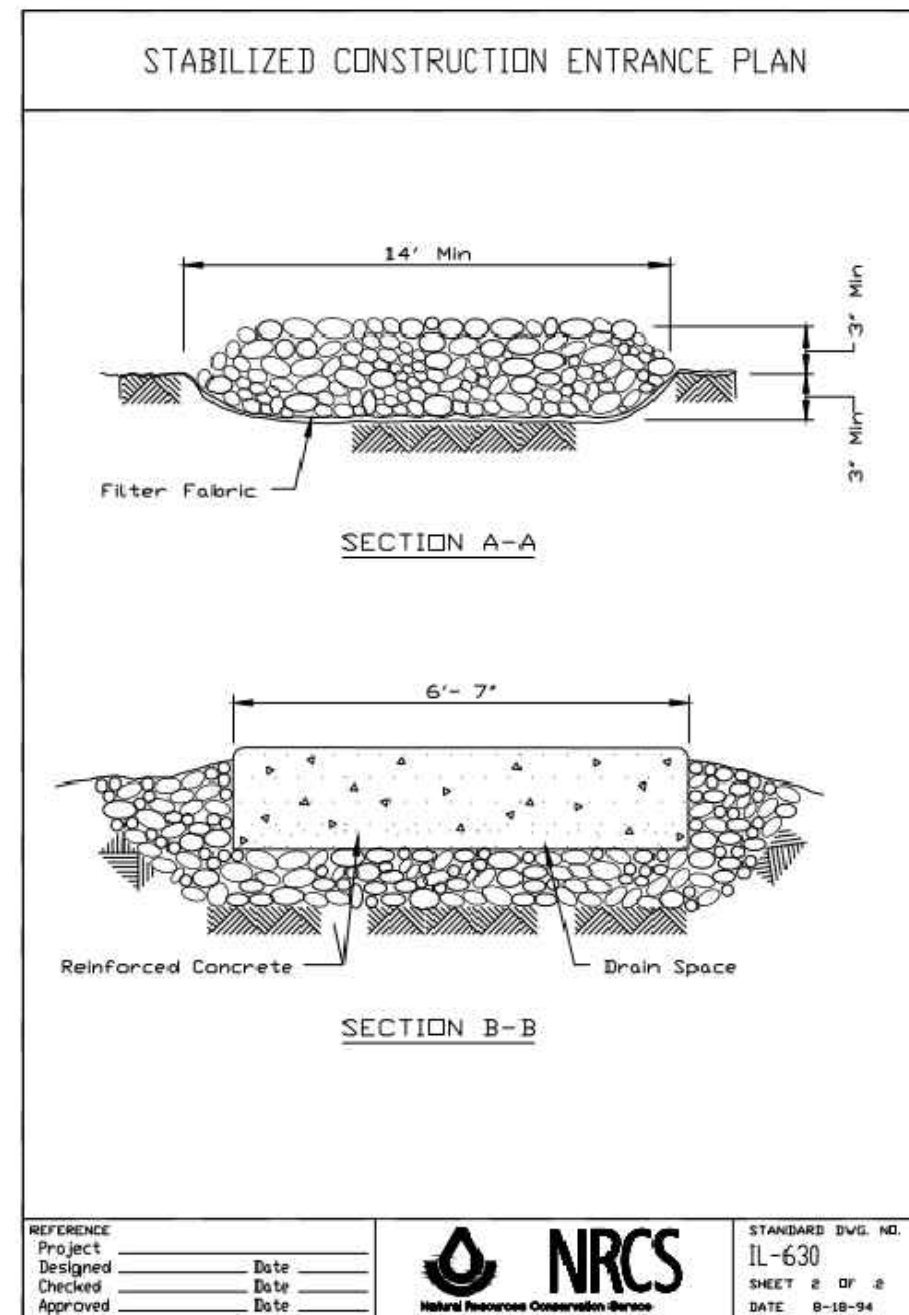
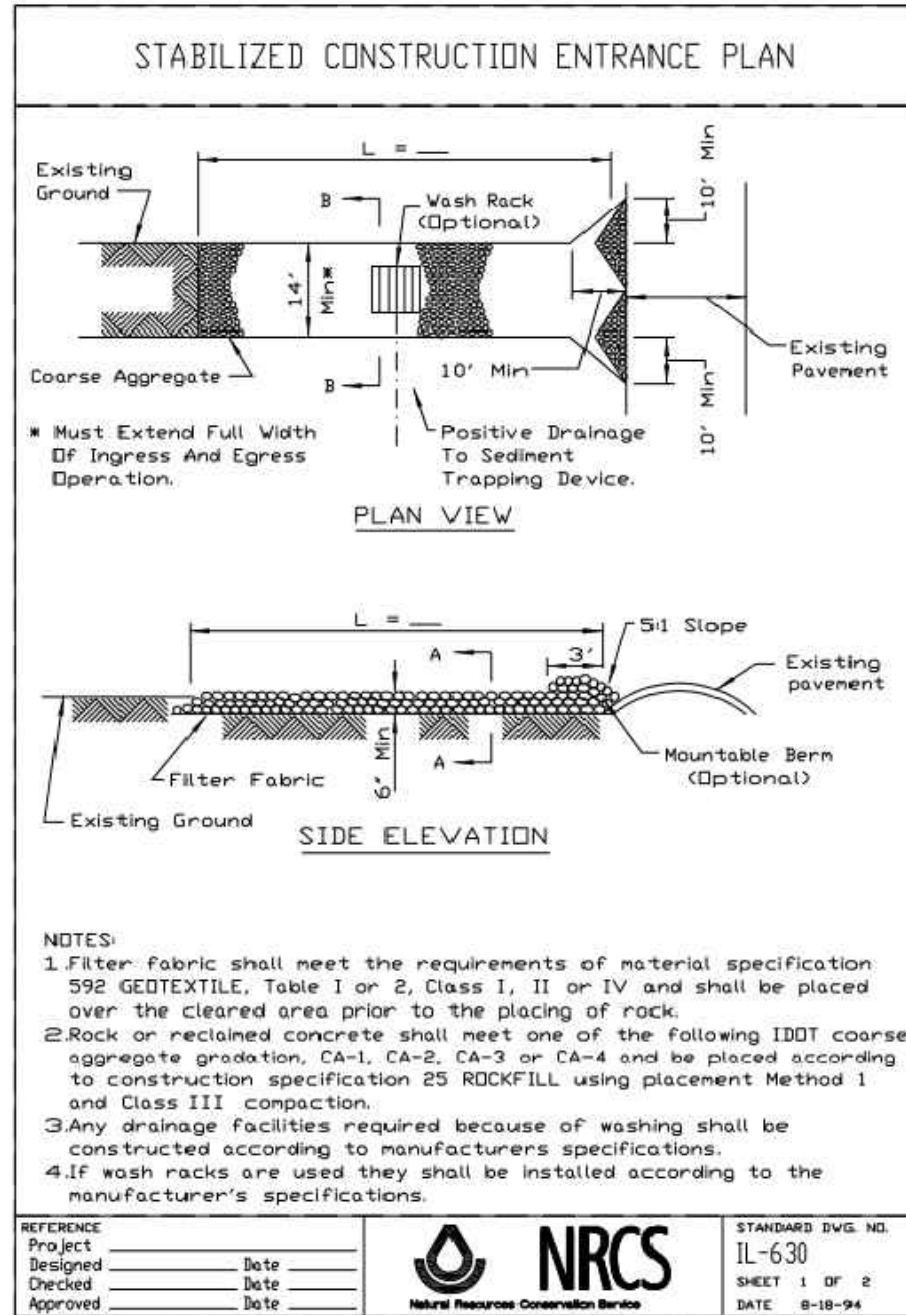
1. Stockpile slopes should be based on angle of repose of the soil material to avoid potential sloughing of the slope.
2. Soil stockpile to be stabilized in accordance with practical standards.
3. Do not locate stockpile within overland drainage flow path, designated floodways, drip line or over the root crown of adjacent trees.
4. Provisions for sediment control practices may be required along haul roads and entrance/exit locations for access the soil stockpile that can create flow path for stormwater runoff.
5. Installation of benches, terraces, or slope interrupters should be considered.
6. Avoid building soil stockpiles on impervious surfaces.
7. Linear sediment trap surrounding the stockpile base may be used to control sediment.

REFERENCE	Project	_____
	Designed	_____ Date _____
	Checked	_____ Date _____
	Approved	_____ Date _____



STANDARD DWG. NO.
IUM-627
SHEET 1 OF 1
DATE JANUARY 2017

USER NAME =	DESIGNED -- TG	REVISED --
	CHECKED -- WPD	REVISED --
PLOT SCALE =	DRAWN -- MED	REVISED --
PLOT DATE = 02/07/24	CHECKED -- AG	REVISED --



FILE NAME = 21R0320_02-DTLS-02 - IDOT P01 (4)	USER NAME =	DESIGNED -- TG	REVISED --
		CHECKED -- WPD	REVISED --
	PLOT SCALE =	DRAWN -- MED	REVISED --
	PLOT DATE = 02/07/24	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**OFF ROAD-COMED ROW
MULTI-USE PATH EXTENSION
CONSTRUCTION DETAILS**

SCALE: _____ SHEET NO. 17 OF 30 SHEETS STA. _____ TO STA. _____

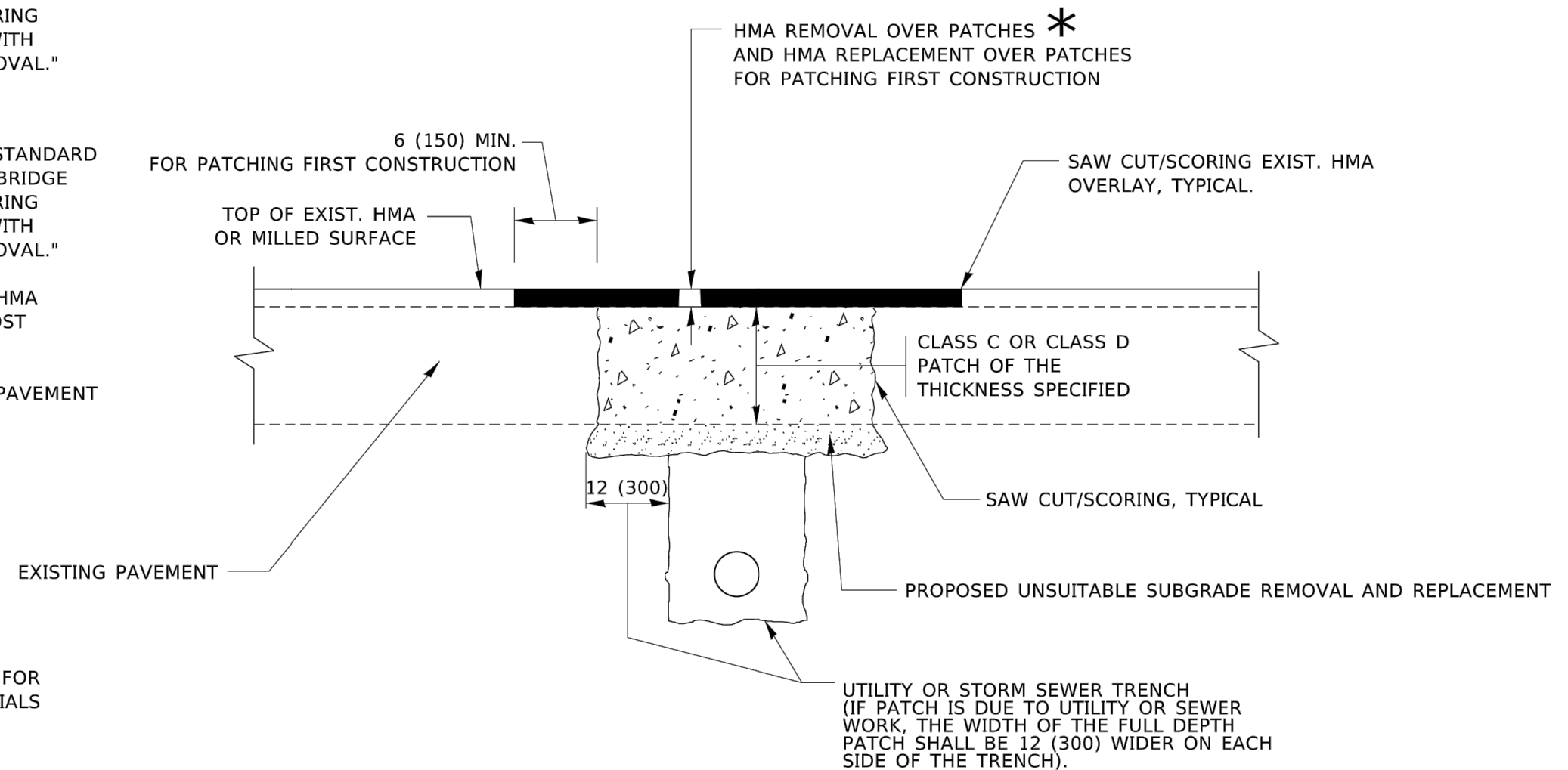
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	21-00122-00-BT	COOK	30	17
CONTRACT NO. 61K30				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT HMG5(705)				

METHOD OF MEASUREMENT

REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."

BASIS OF PAYMENT

1. REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."
2. SAW CUT/SCORING OF EXISTING HMA OVERLAY IS INCLUDED IN THE COST OF PAVEMENT PATCHING.
3. SAW CUT/SCORING OF EXISTING PAVEMENT IS INCLUDED IN THE COST OF PAVEMENT PATCHING.



SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

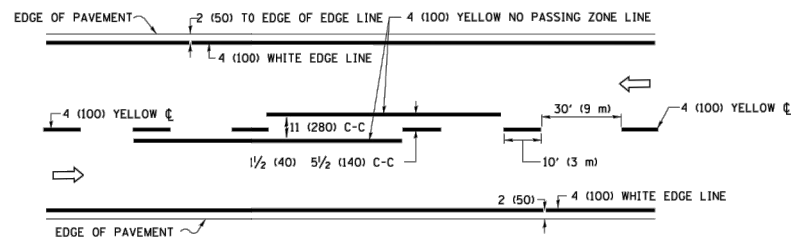
SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

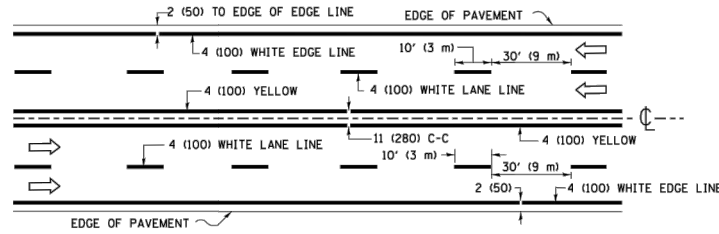
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

USER NAME = Lawrence.DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 09-04-07			BD400-04 (BD-22)	CONTRACT NO.					
PLOT DATE = 11/18/2022	DATE - 10-25-94	REVISED - K. ENG 10-27-08			SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.	
		REVISED - K. SMITH 11-18-22			ILLINOIS FED. AID PROJECT						

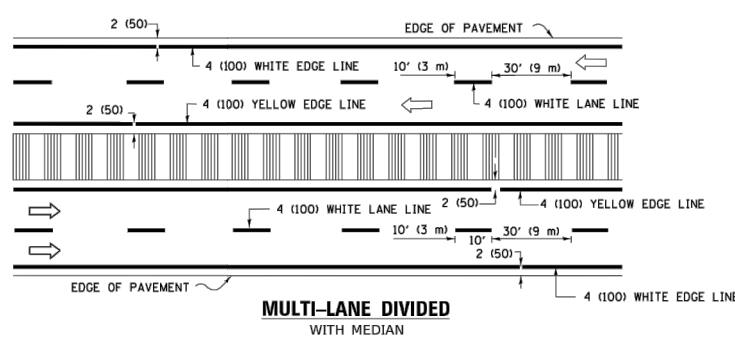
FILE NAME = 21R0320_02-DTLS-02 - IDOT P01 (2)	USER NAME =	DESIGNED - TG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OFF ROAD-COMED ROW MULTI-USE PATH EXTENSION DISTRICT 1 DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	CHECKED - WPD	REVISED -				21-00122-00-BT	COOK	30	18	CONTRACT NO. 61K30	
	DRAWN - MED	REVISED -	SCALE:			SHEET NO. 18	OF 30	SHEETS	STA.	TO STA.	
	DATE = 02/07/24	CHECKED - AG	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT HMG5(705)					



2-LANE ROADWAY

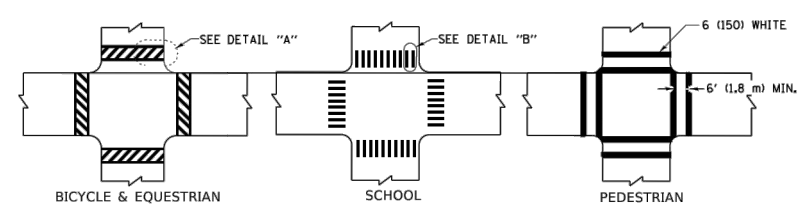


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

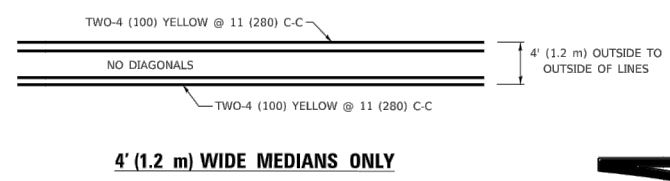


DETAIL "A"

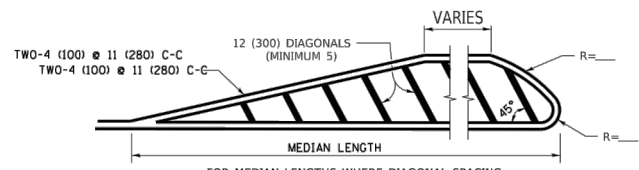
DETAIL "B"

TYPICAL CROSSWALK MARKING

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

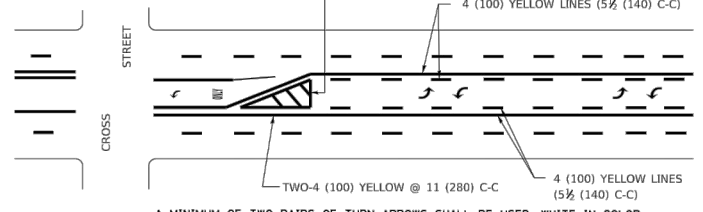


4' (1.2 m) WIDE MEDIANS ONLY



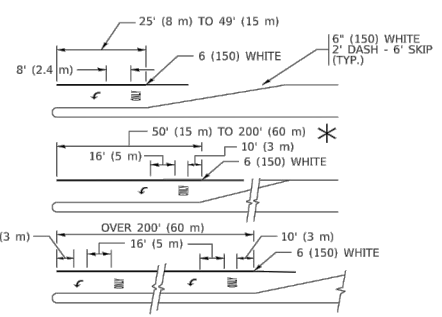
MEDIANS OVER 4' (1.2 m) WIDE

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))



MEDIAN WITH TWO-WAY LEFT TURN LANE

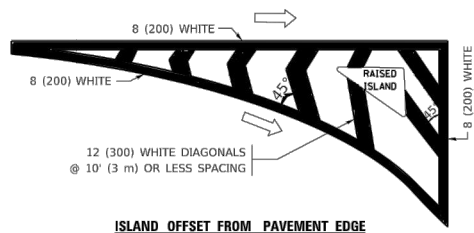
TYPICAL PAINTED MEDIAN MARKING



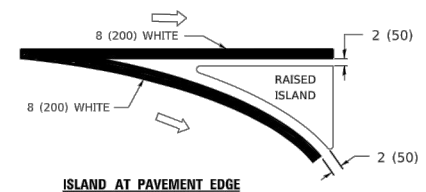
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY 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".

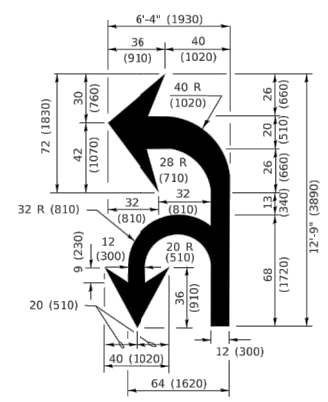


ISLAND OFFSET FROM PAVEMENT EDGE

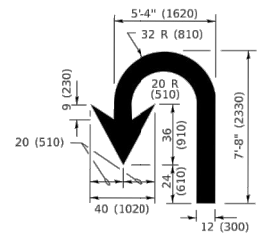


ISLAND AT PAVEMENT EDGE

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.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

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) 2 @ 4 (100)	SOLID SOLID	YELLOW 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 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 = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
		REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS						
SCALE: NONE	SHEET 1 OF 2 SHEETS	STA.	TO STA.			

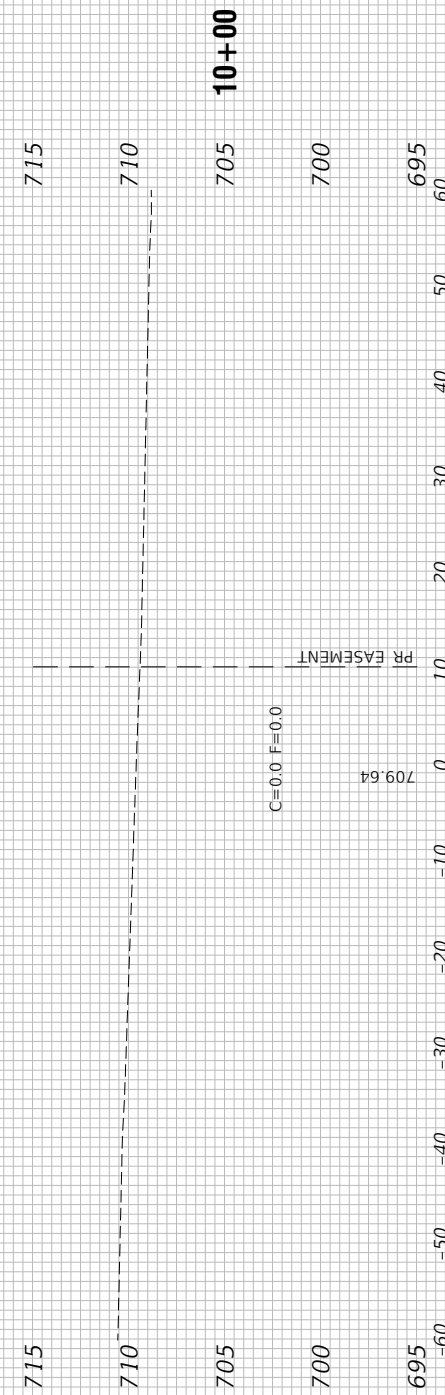
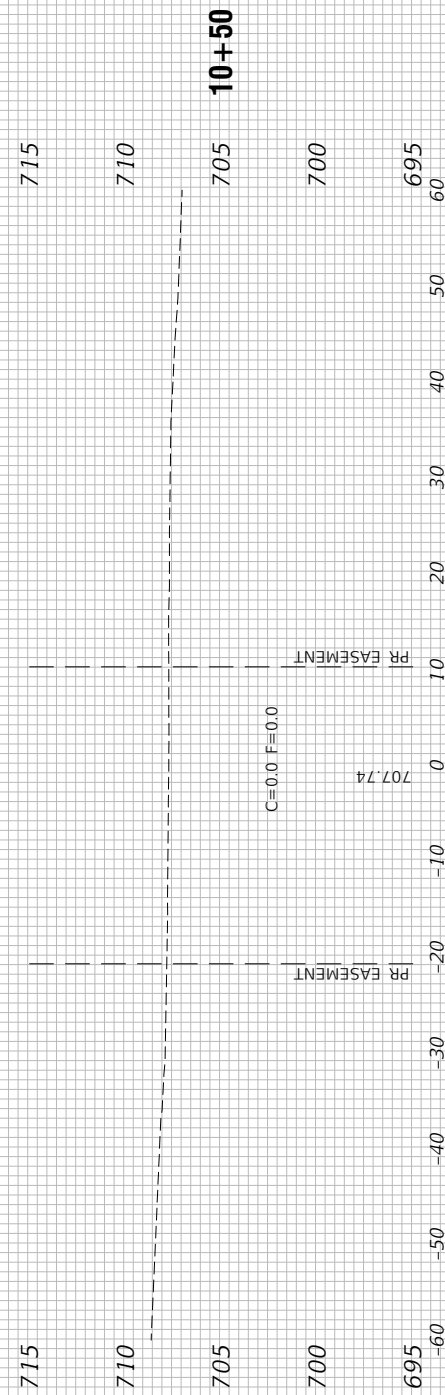
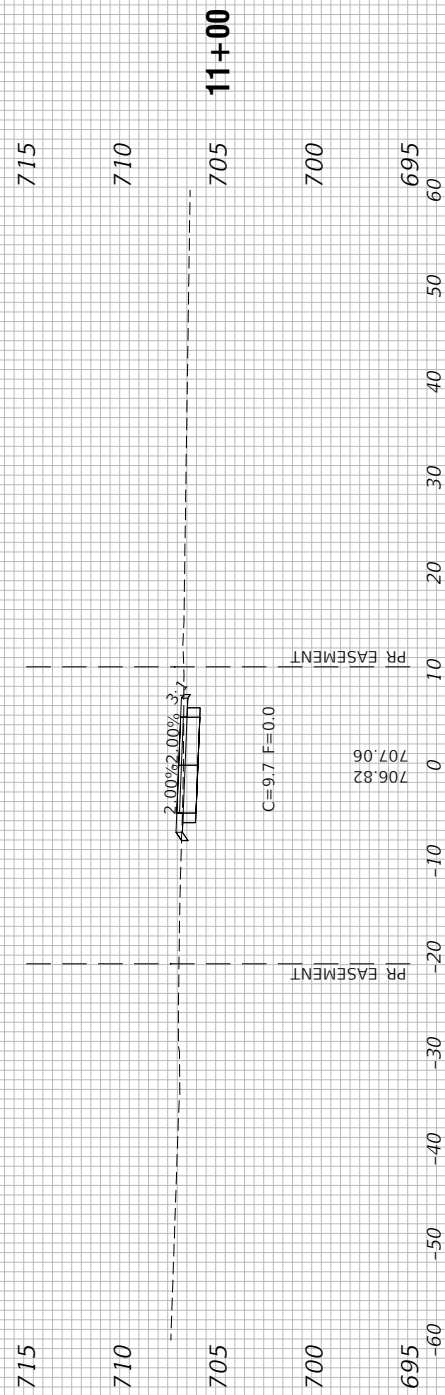
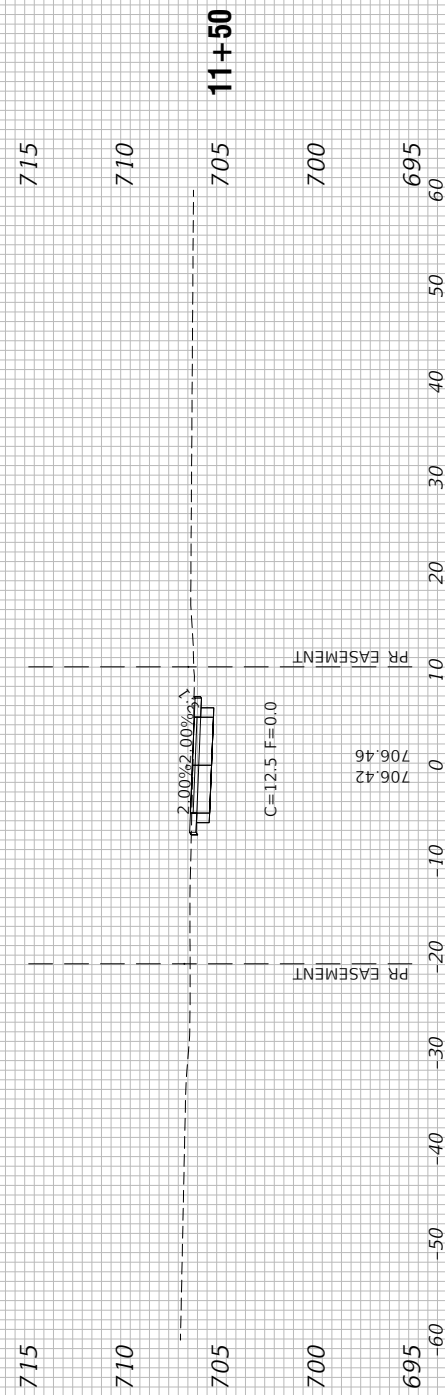
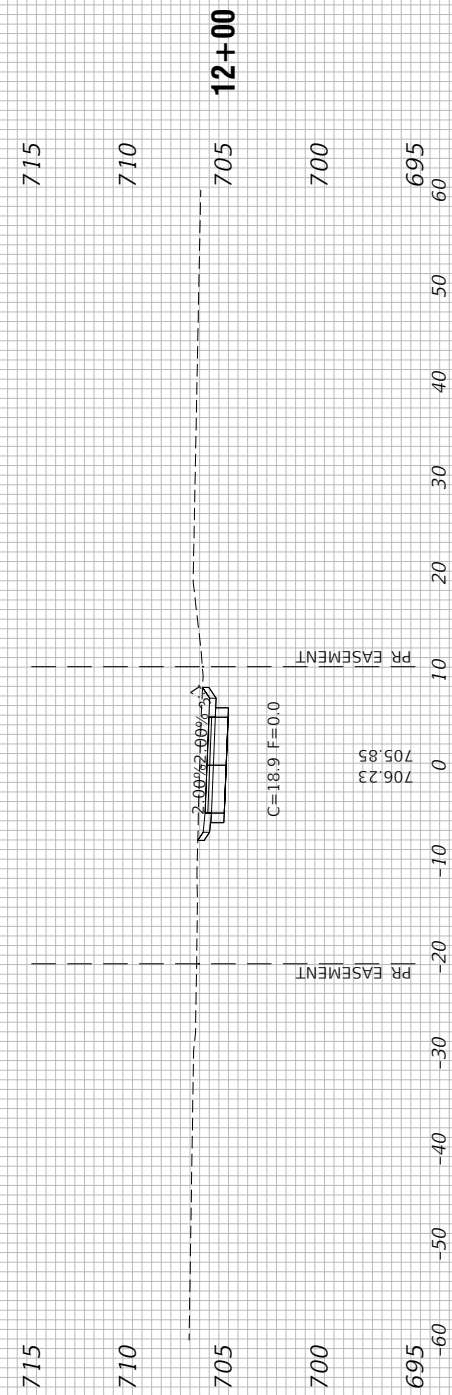
TC-13		CONTRACT NO.	
ILLINOIS		FED. AID PROJECT	

FILE NAME = 21R0320_02-DTLS-02 - IDOT P01 (3)	USER NAME =	DESIGNED - TG	REVISED -
		CHECKED - WPD	REVISED -
		DRAWN - MED	REVISED -
		CHECKED - AG	REVISED -
		PLOT DATE = 02/07/24	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

OFF ROAD-COMED ROW		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
MULTI-USE PATH EXTENSION						
DISTRICT 1 DETAILS						
SCALE:	SHEET NO. 19 OF 30 SHEETS	STA.	TO STA.			

TC-13		CONTRACT NO.	
ILLINOIS		FED. AID PROJECT	



FILE NAME = 21R0320_02-XSECT-01 - IDOT_X(1)

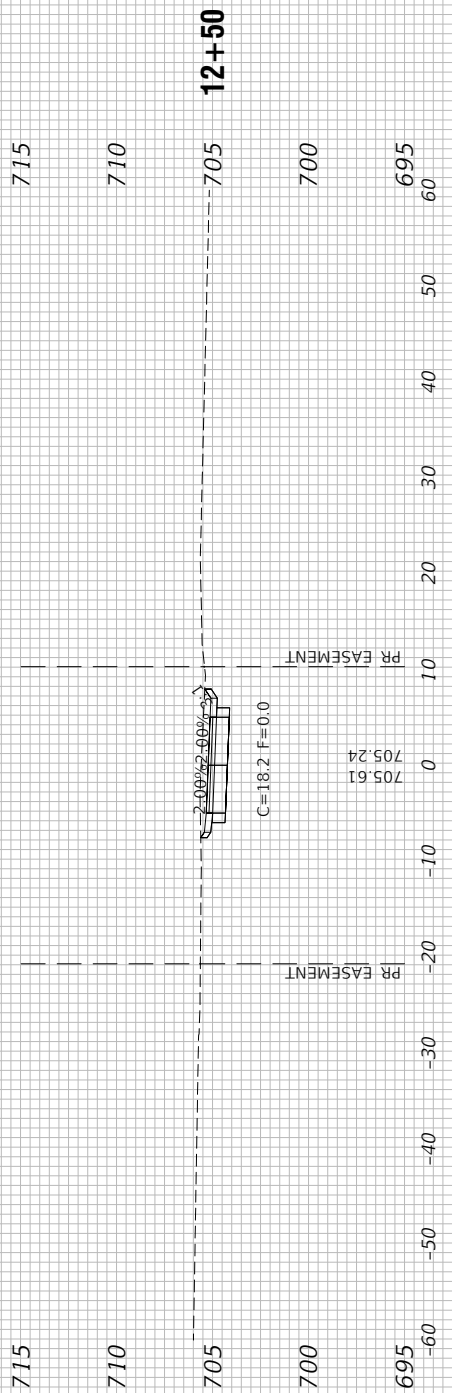
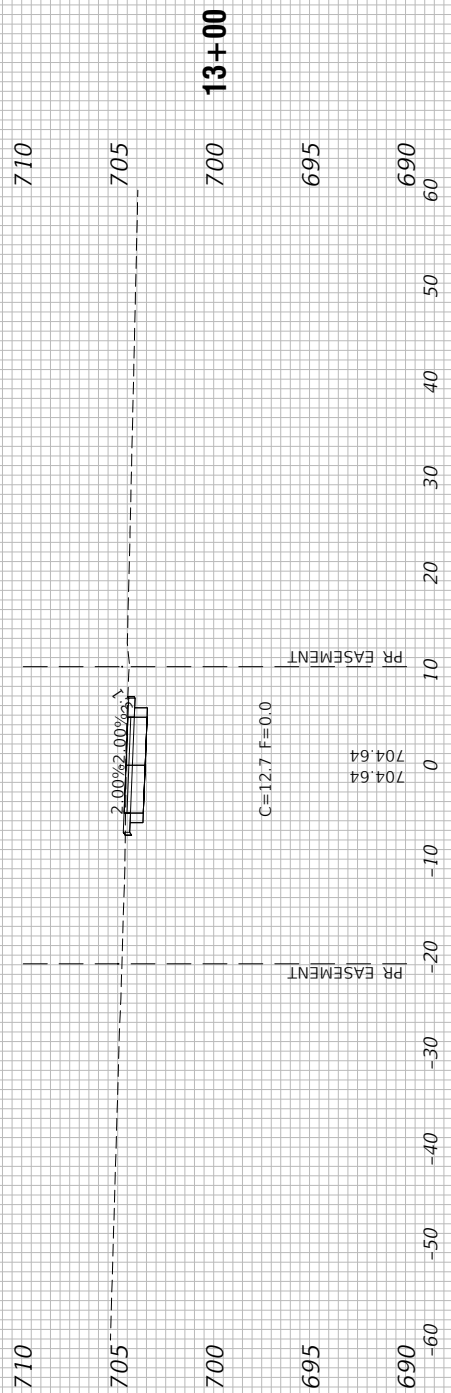
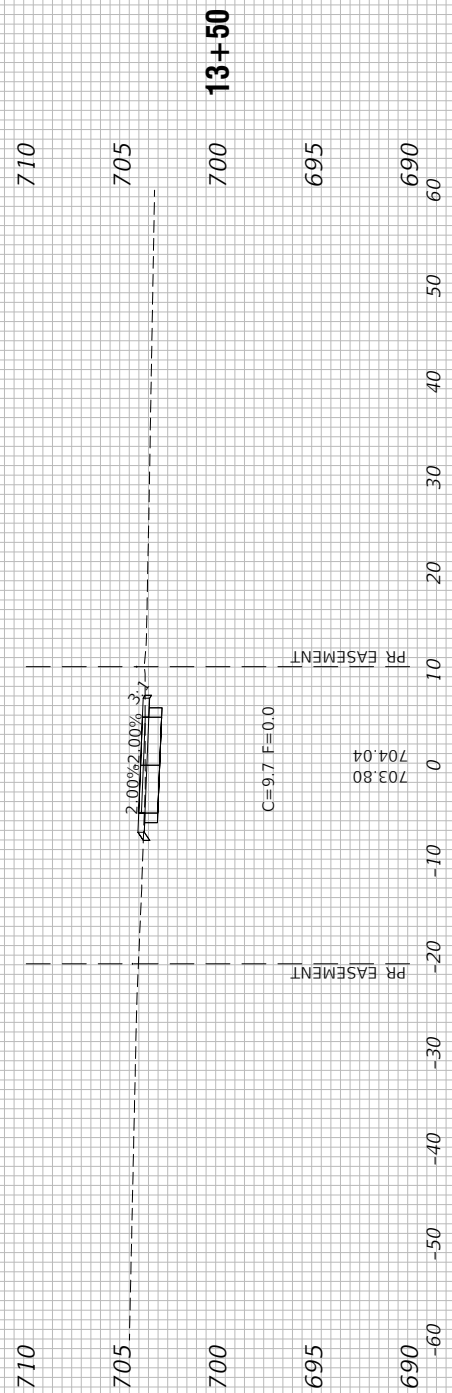
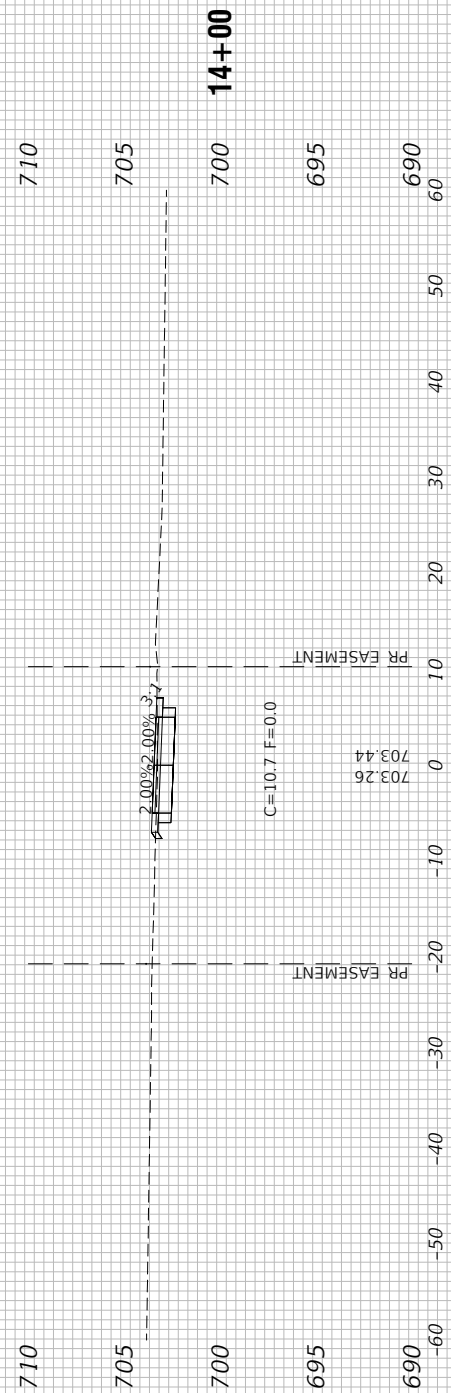
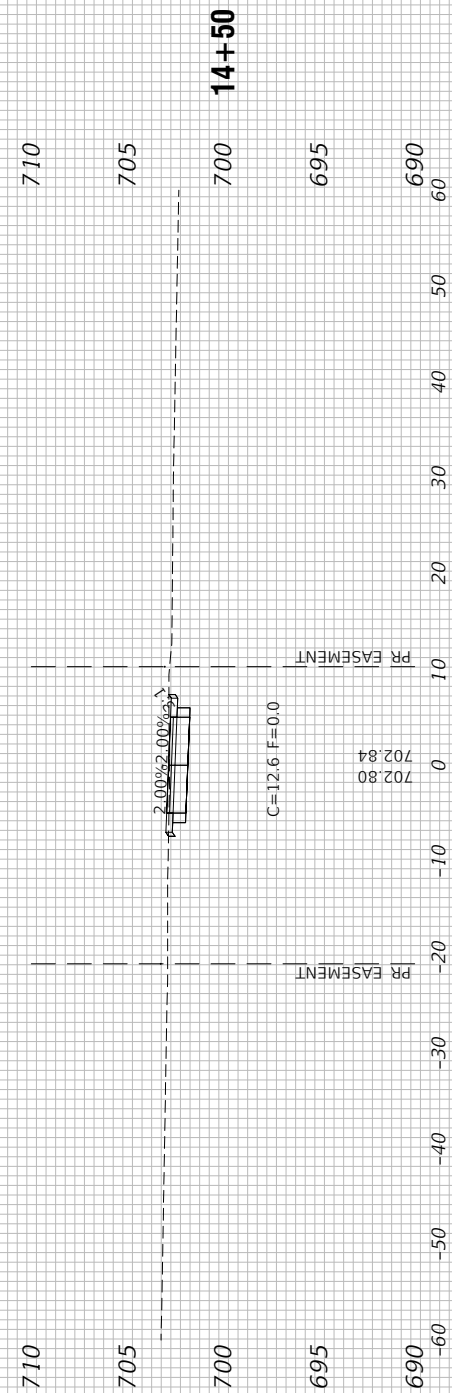
USER NAME =	DESIGNED -- TG	REVISED --
	CHECKED -- WPD	REVISED --
PLOT SCALE =	DRAWN -- MED	REVISED --
PLOT DATE = 02/07/24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OFF ROAD-COMED ROW
MULTI-USE PATH EXTENSION
CROSS SECTIONS

SCALE: H:1"=10V:1"=5' SHEET NO. 20 OF 30 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	21-00122-00-BT	COOK	30	20
CONTRACT NO. 61K30				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	HMG5(705)	



FILE NAME = 21R0320_02-XSECT-01 - IDOT_X(2)

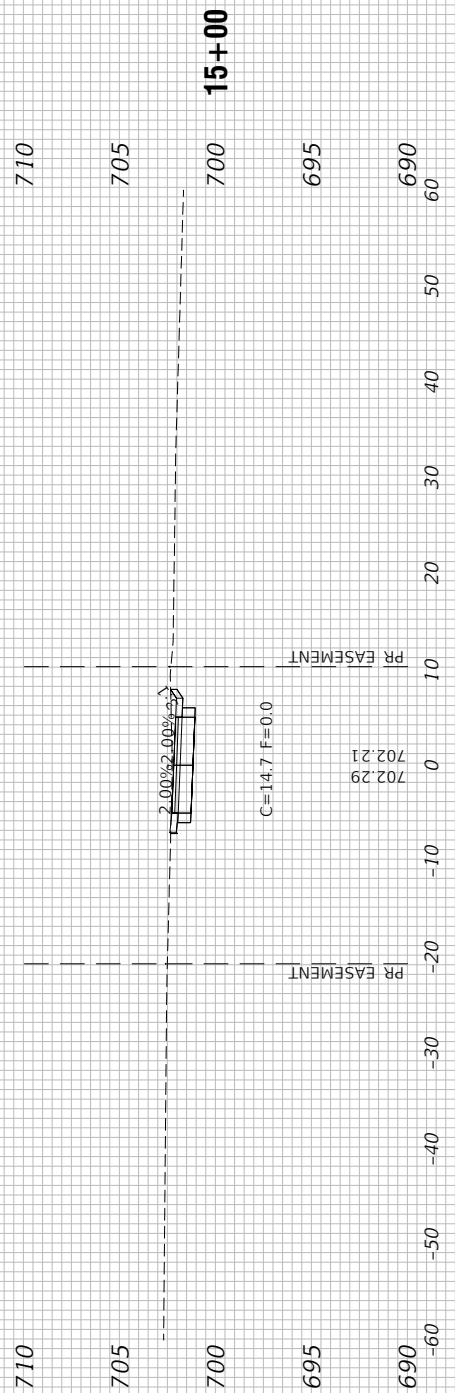
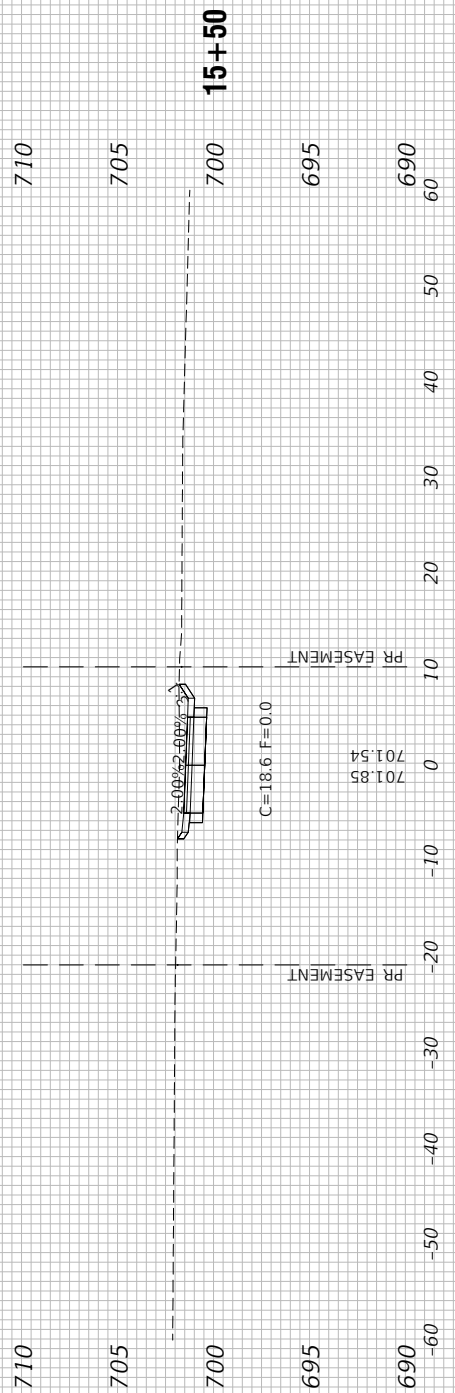
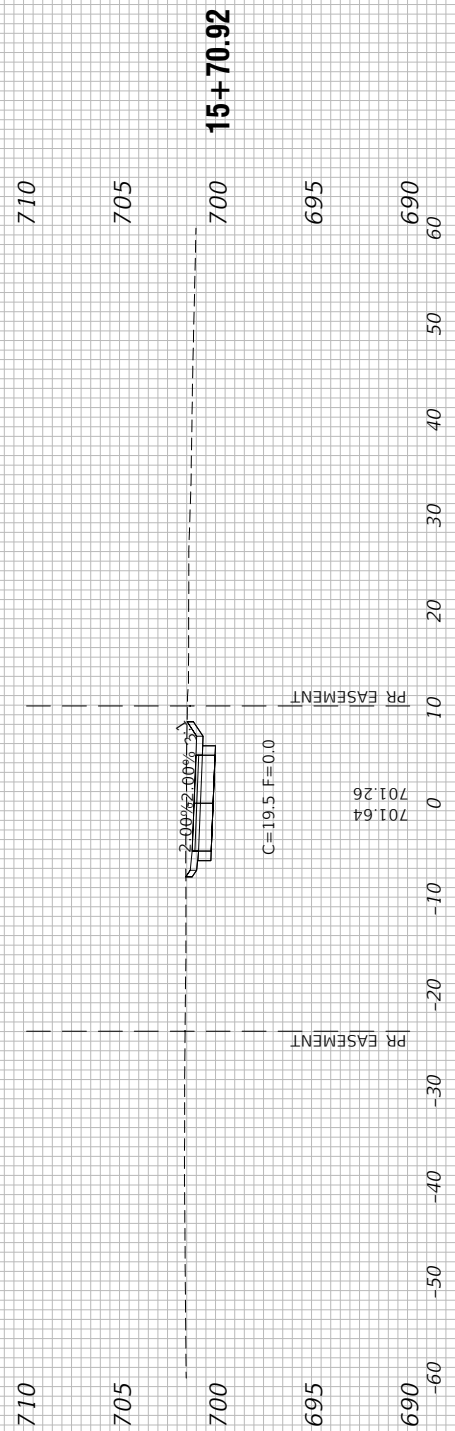
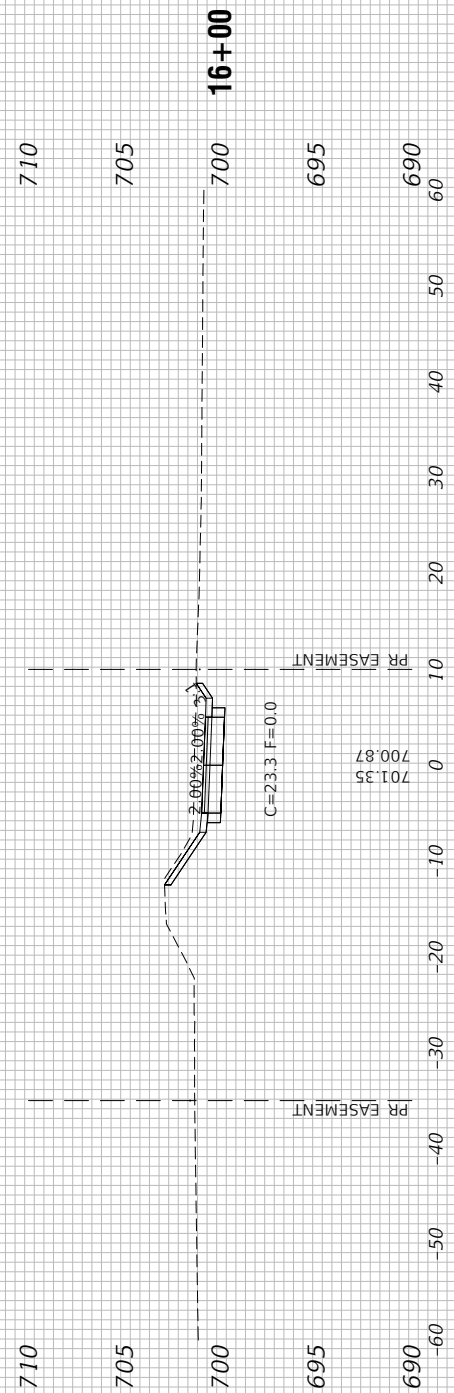
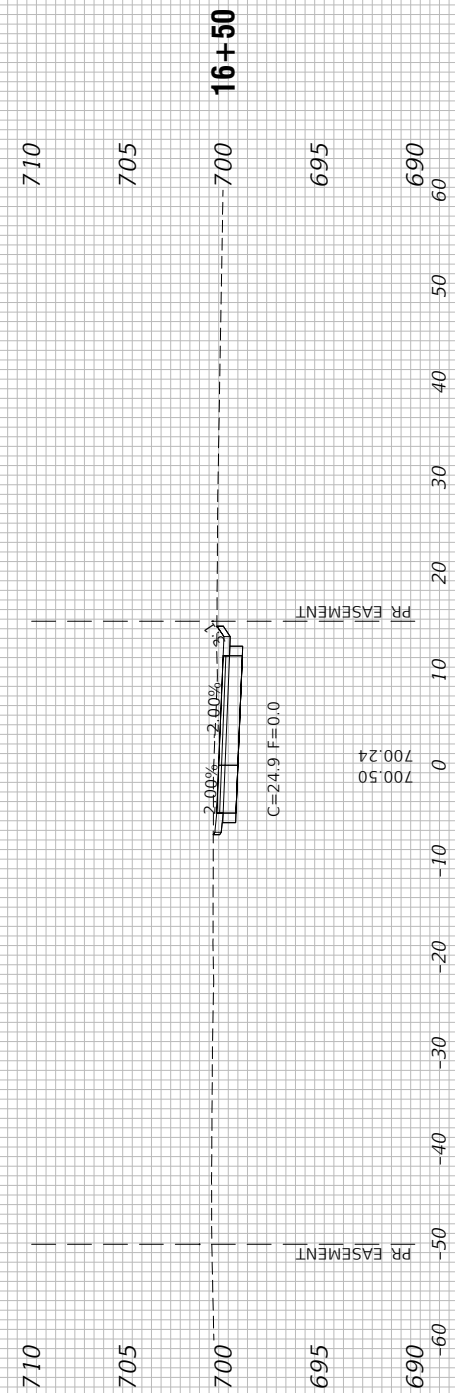
USER NAME =	DESIGNED -- TG	REVISED --
	CHECKED -- WPD	REVISED --
PLOT SCALE =	DRAWN -- MED	REVISED --
PLOT DATE = 02/07/24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OFF ROAD-COMED ROW
MULTI-USE PATH EXTENSION
CROSS SECTIONS

SCALE: H:1"=10' V:1"=5' SHEET NO. 21 OF 30 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	21-00122-00-BT	COOK	30	21
CONTRACT NO. 61K30				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	HMG5(705)	



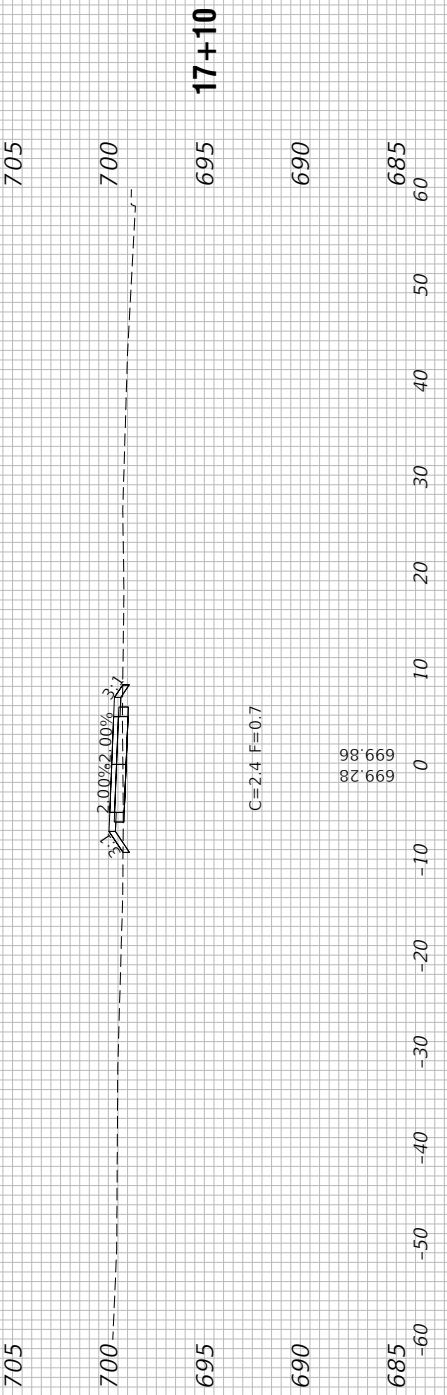
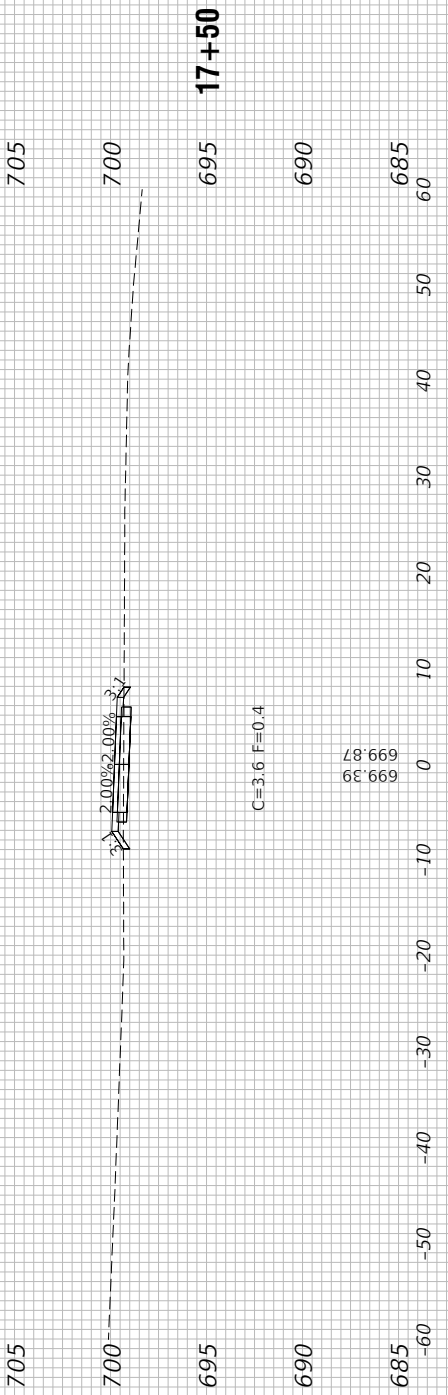
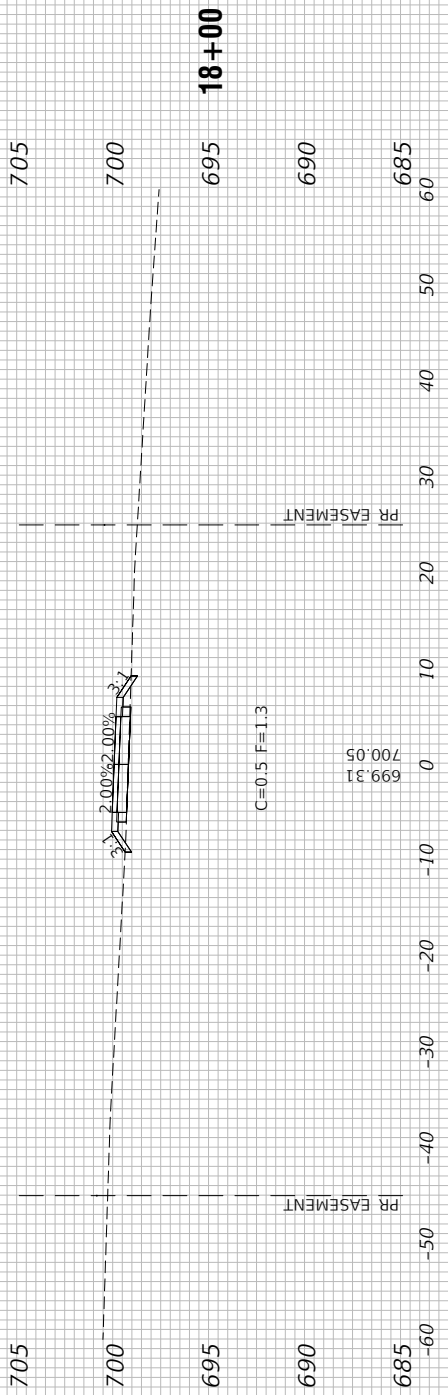
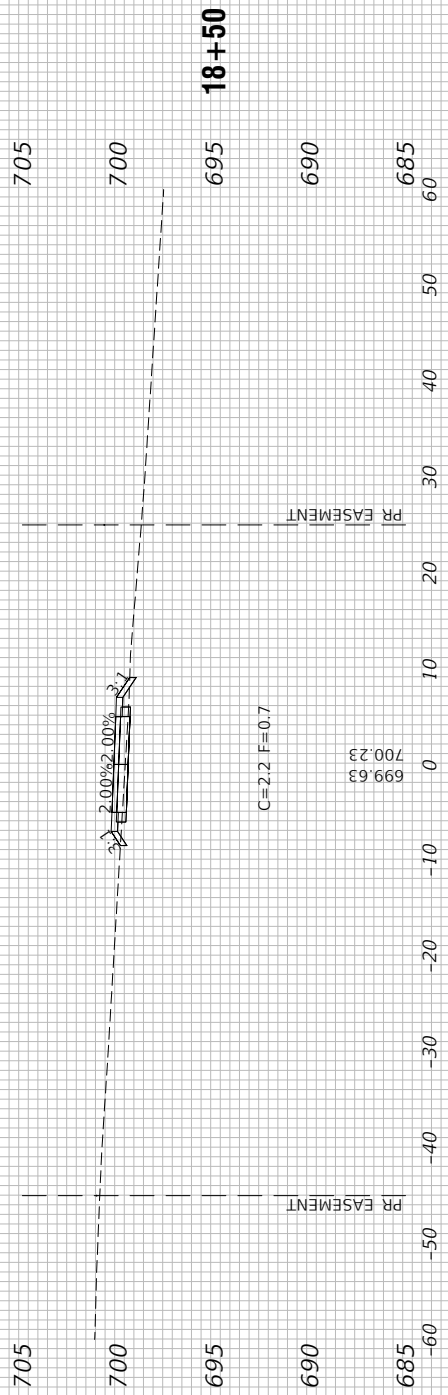
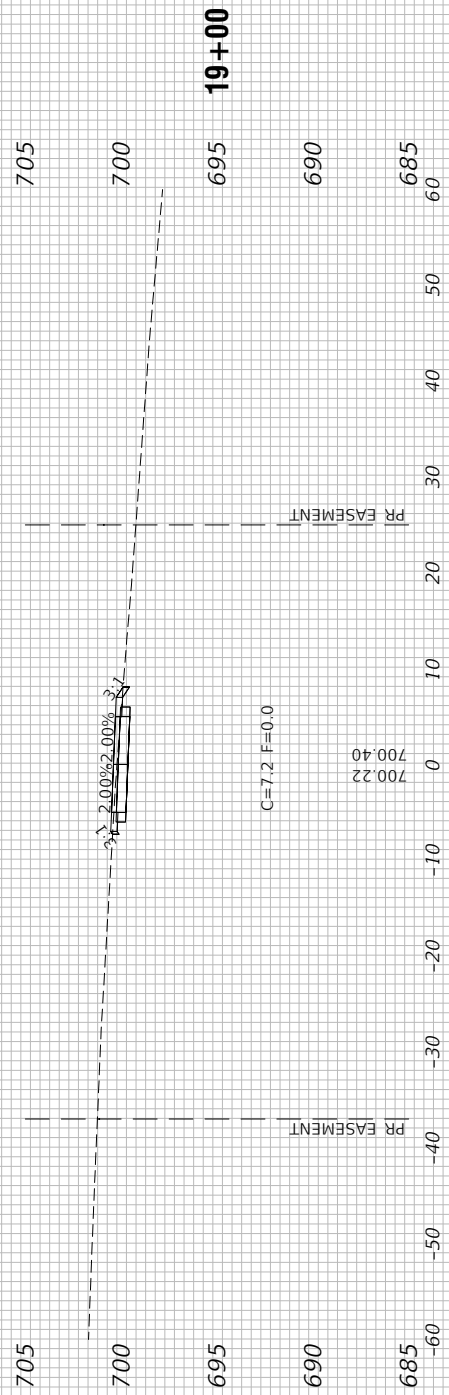
FILE NAME = 21R0320_02-XSECT-01 - IDOT_X(3)

USER NAME =	DESIGNED -- TG	REVISED --
	CHECKED -- WPD	REVISED --
PLOT SCALE =	DRAWN -- MED	REVISED --
PLOT DATE = 02/07/24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OFF ROAD-COMED ROW MULTI-USE PATH EXTENSION CROSS SECTIONS			
SCALE: H:1"=10' V:1"=5'	SHEET NO. 22	OF 30 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	21-00122-00-BT	COOK	30	22
CONTRACT NO. 61K30				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	HMG5(705)	



FILE NAME = 21R0320_02-XSECT-01 - IDOT_X(4)

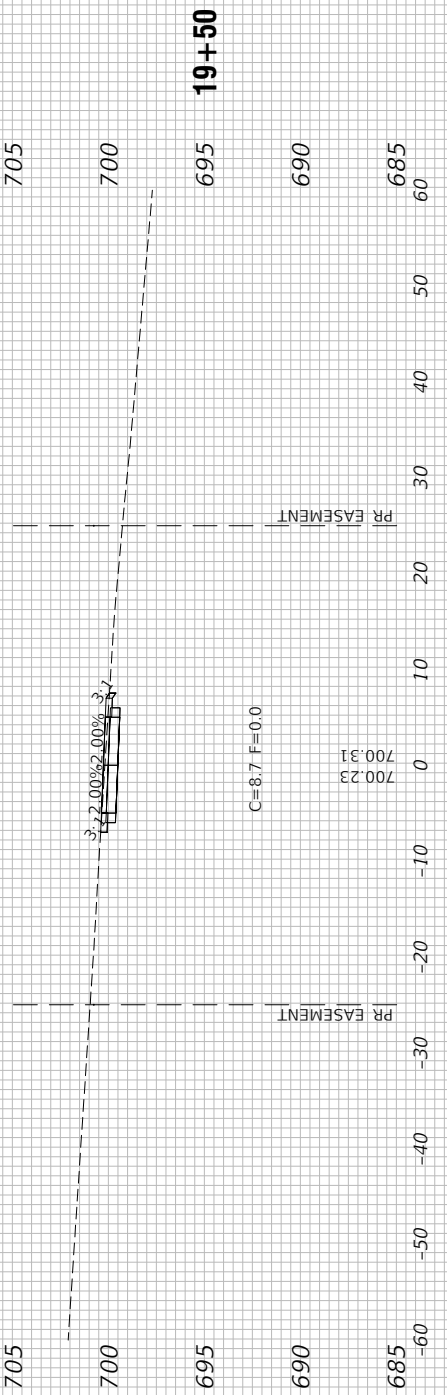
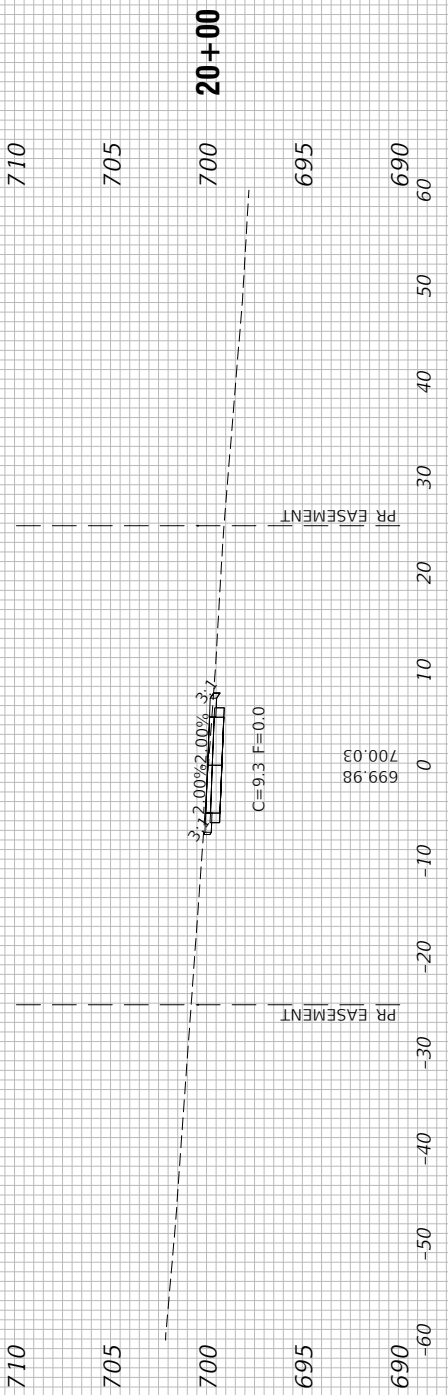
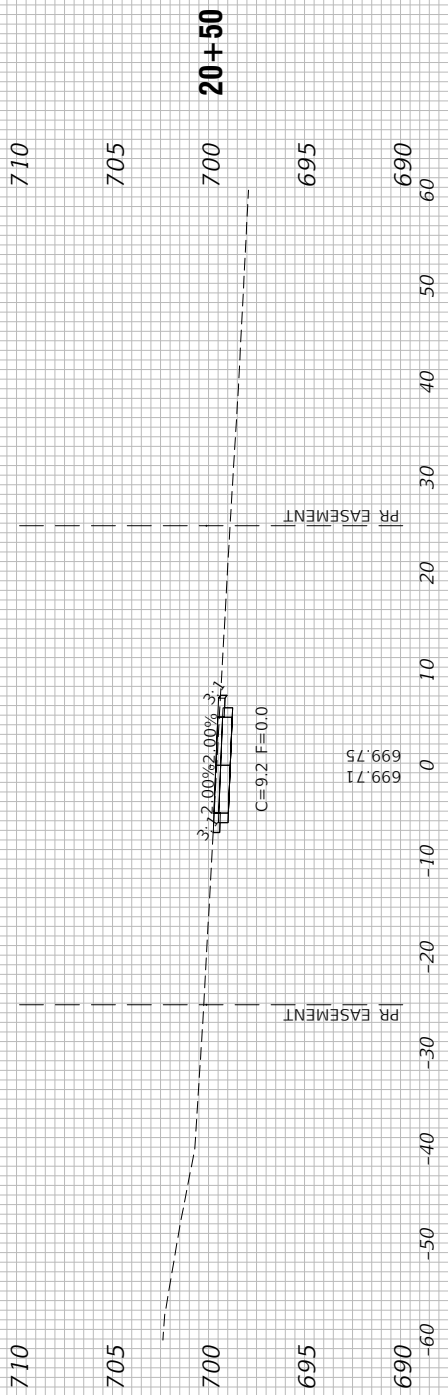
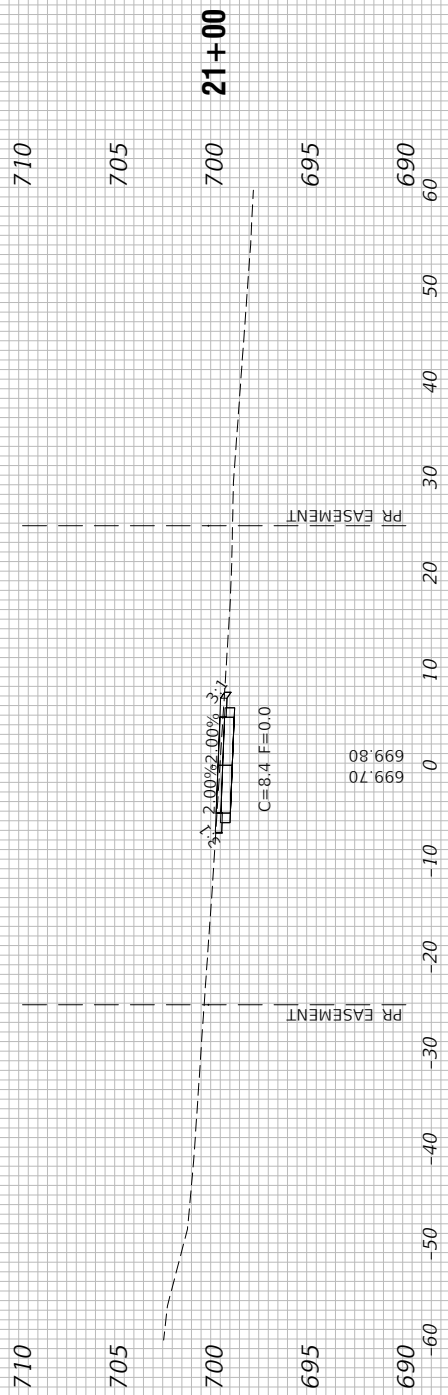
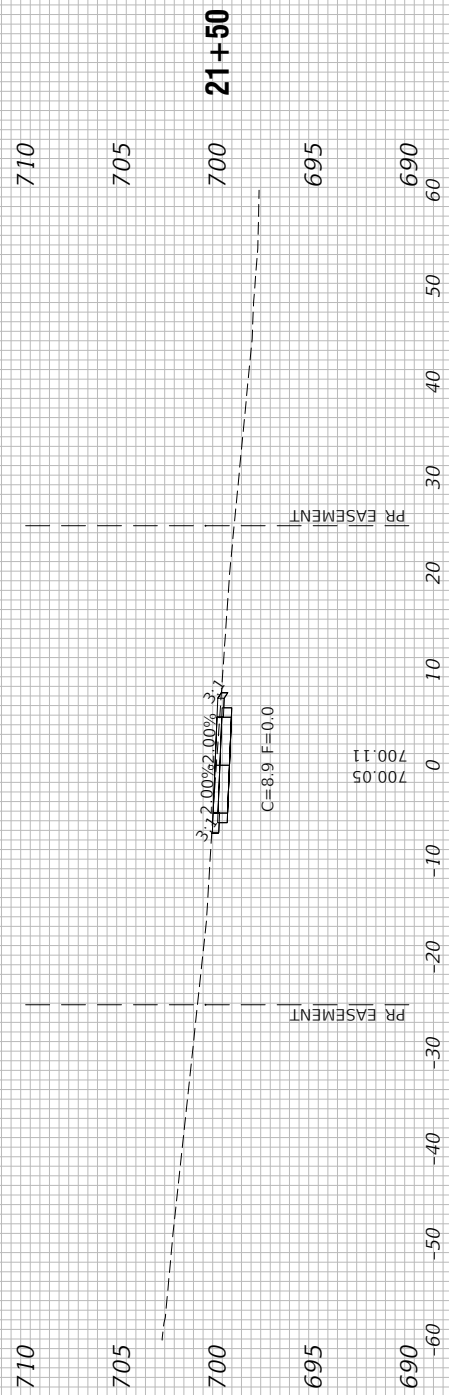
USER NAME =	DESIGNED -- TG	REVISED --
	CHECKED -- WPD	REVISED --
PLOT SCALE =	DRAWN -- MED	REVISED --
PLOT DATE = 02/07/24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OFF ROAD-COMED ROW
MULTI-USE PATH EXTENSION
CROSS SECTIONS

SCALE: H:1"=10' V:1"=5' SHEET NO. 23 OF 30 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	21-00122-00-BT	COOK	30	23
CONTRACT NO. 61K30				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	HMG5(705)	

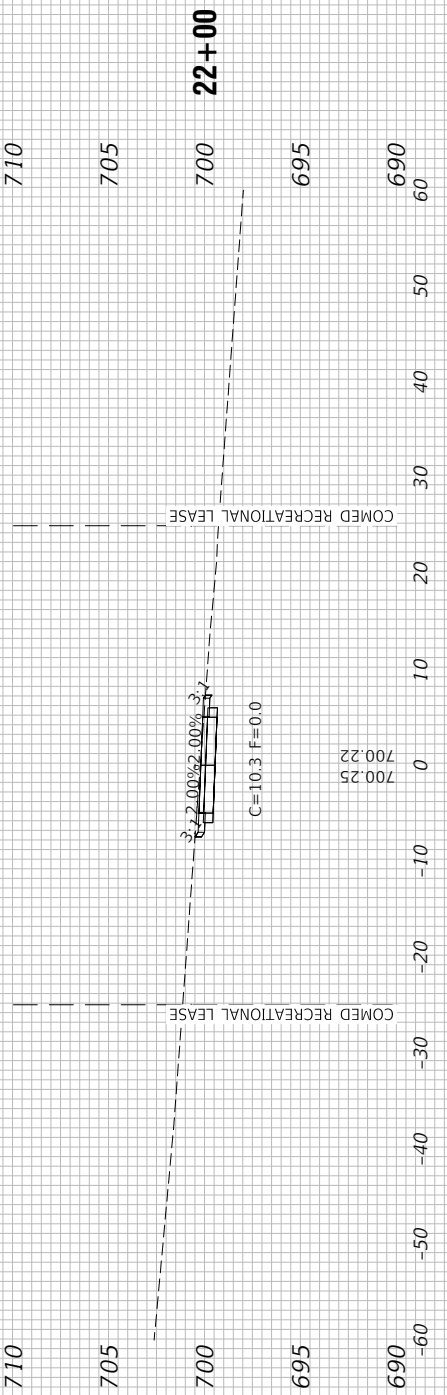
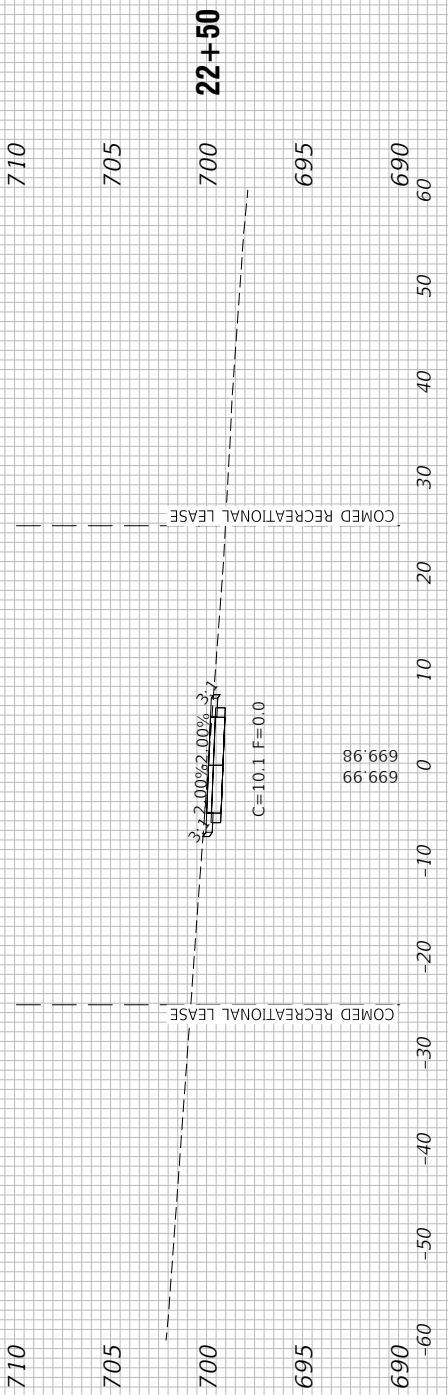
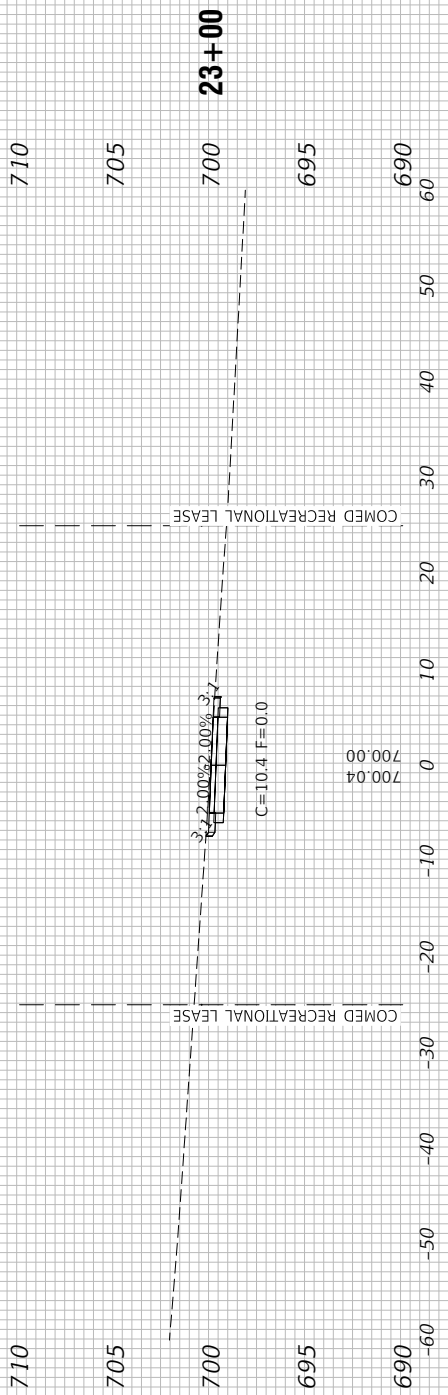
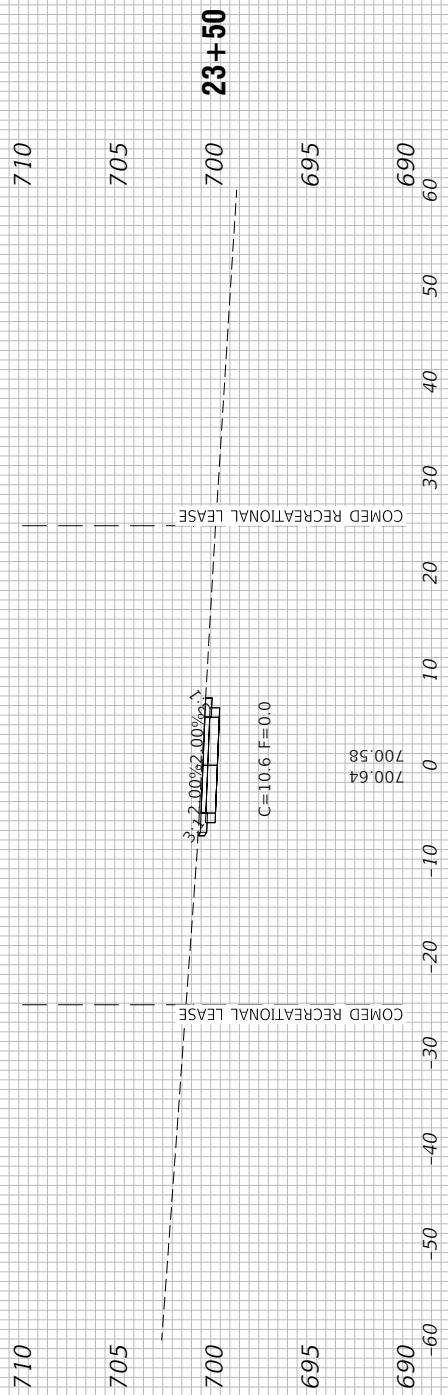
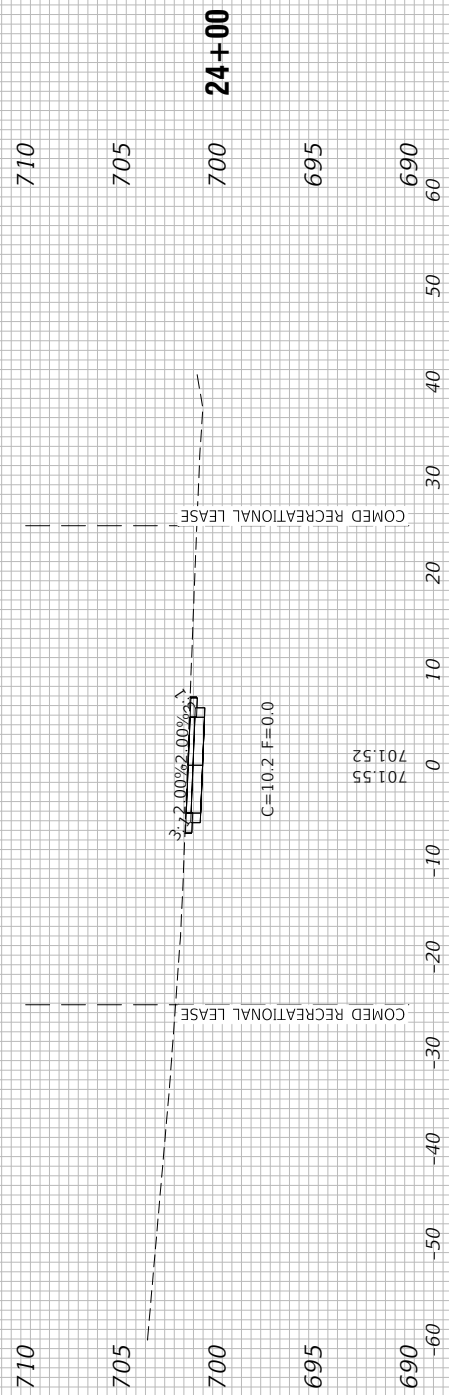


FILE NAME = 21R0320_02-XSECT-01 - IDOT_X(5)	USER NAME =	DESIGNED -- TG	REVISED --
		CHECKED -- WPD	REVISED --
	PLOT SCALE =	DRAWN -- MED	REVISED --
	PLOT DATE = 02/07/24	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

OFF ROAD-COMED ROW MULTI-USE PATH EXTENSION CROSS SECTIONS			
SCALE: H:1"=10'V:1"=5'	SHEET NO. 24	OF 30 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	21-00122-00-BT	COOK	30	24
CONTRACT NO. 61K30				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	HMG5(705)	



FILE NAME = 21R0320_02-XSECT-01 - IDOT_X(8)

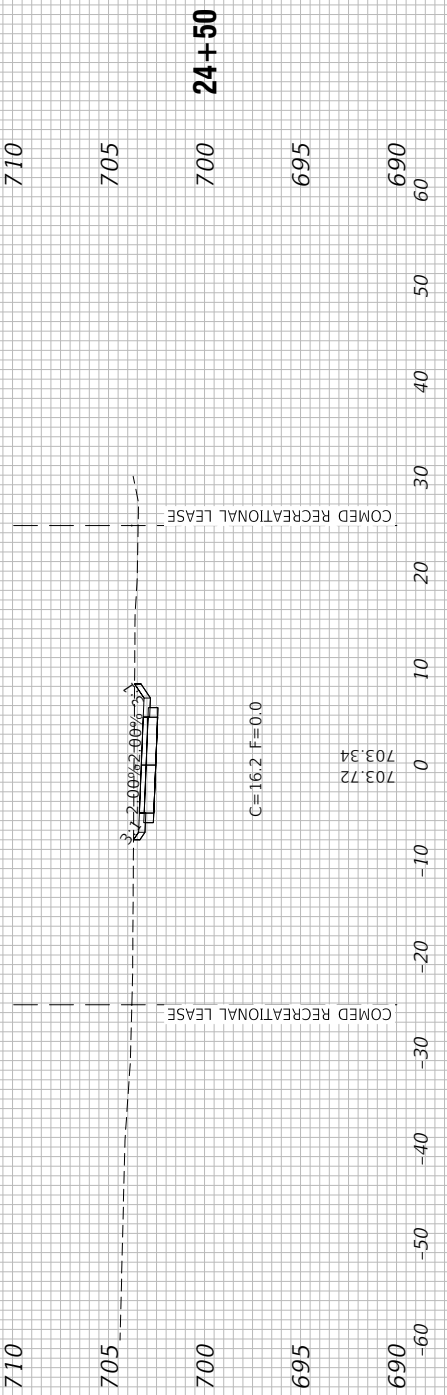
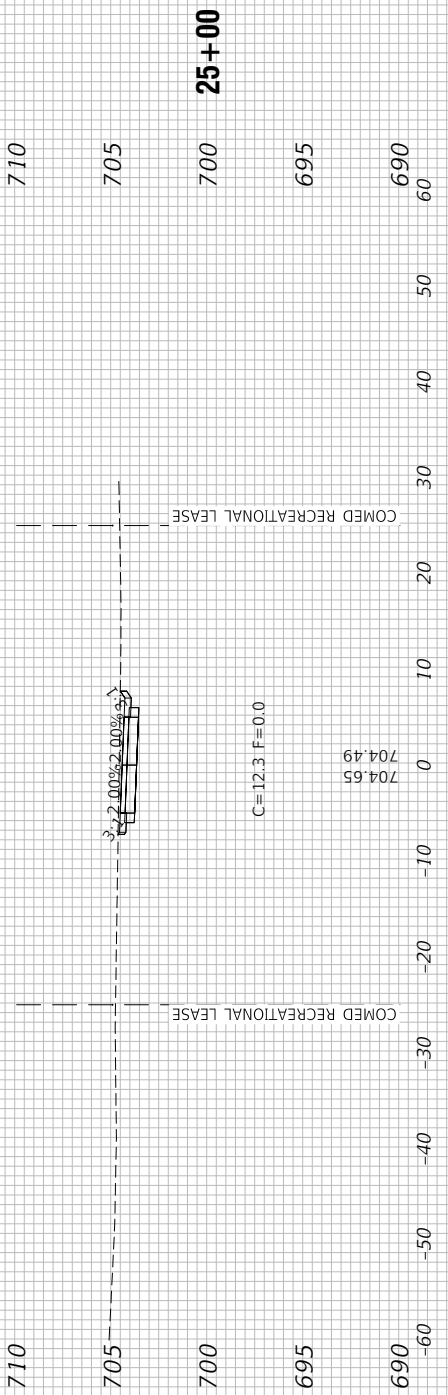
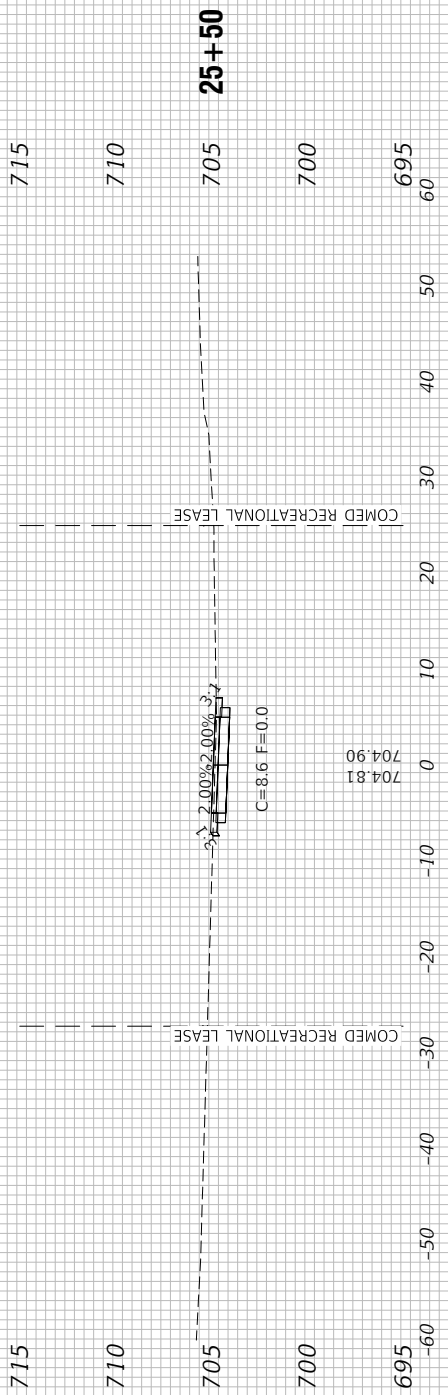
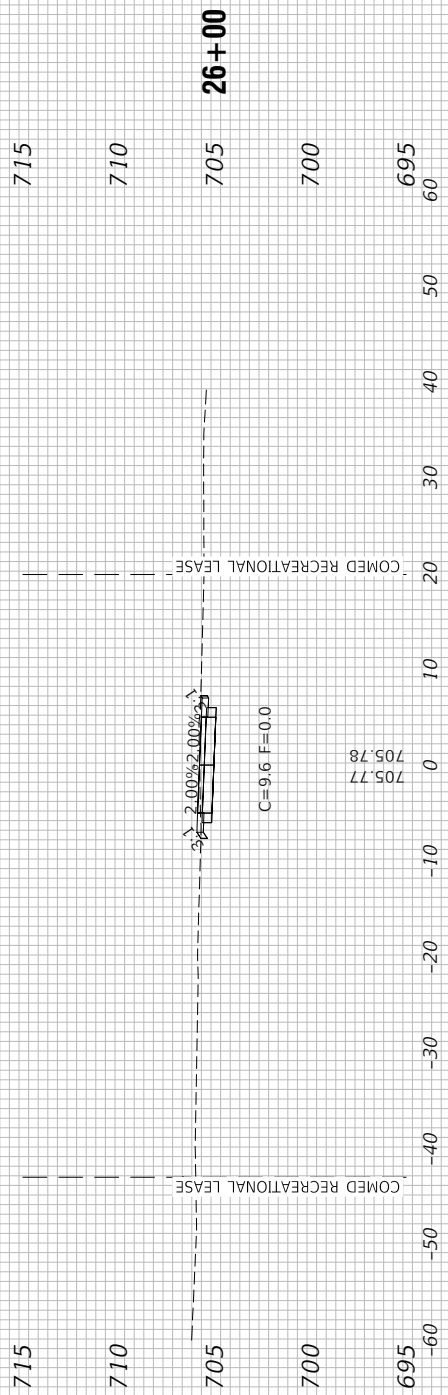
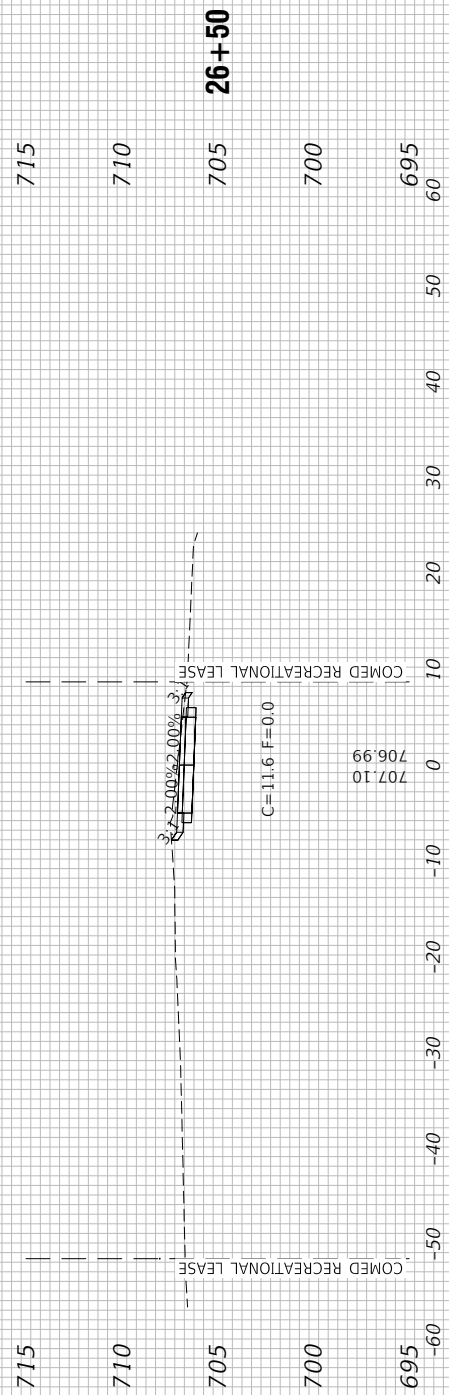
USER NAME =	DESIGNED -- TG	REVISED --
	CHECKED -- WPD	REVISED --
PLOT SCALE =	DRAWN -- MED	REVISED --
PLOT DATE = 02/07/24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OFF ROAD-COMED ROW
MULTI-USE PATH EXTENSION
CROSS SECTIONS

SCALE: H:1"=10' V:1"=5' SHEET NO. 25 OF 30 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	21-00122-00-BT	COOK	30	25
CONTRACT NO. 61K30				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	HMG5(705)	



FILE NAME = 21R0320_02-XSECT-01 - IDOT_X(7)

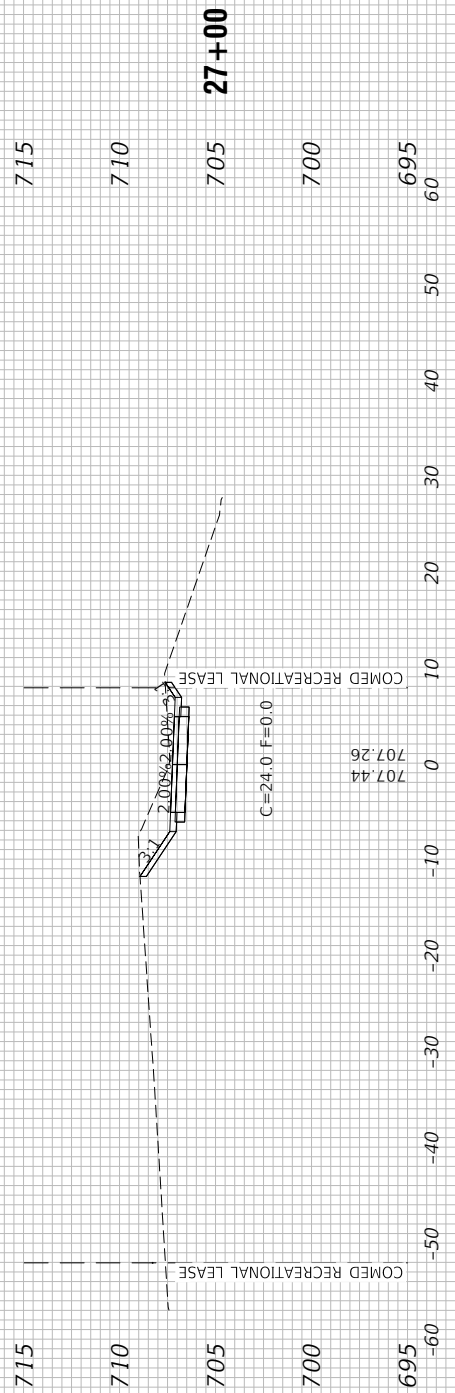
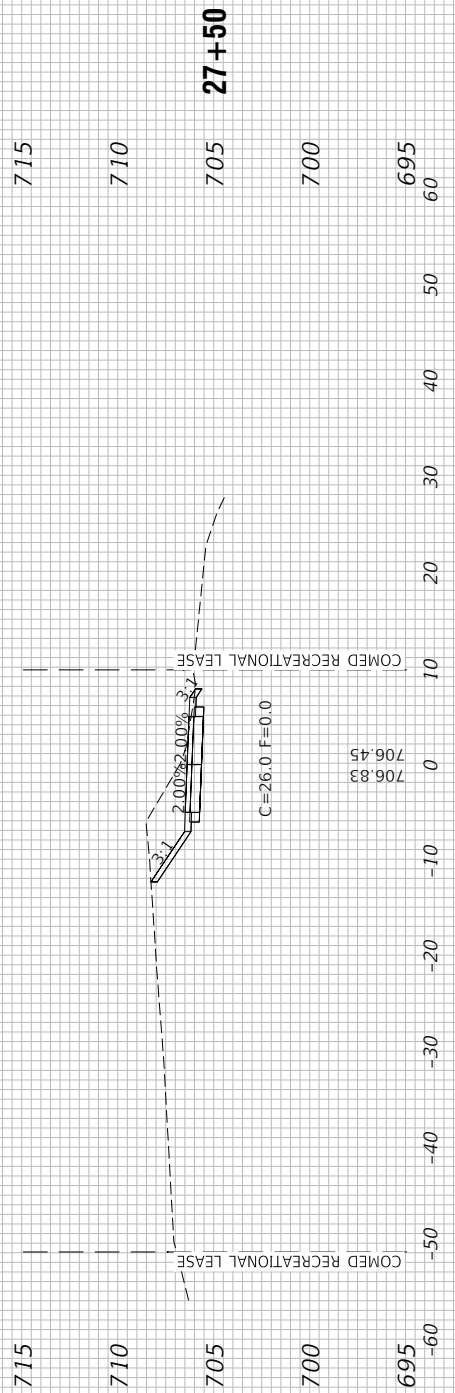
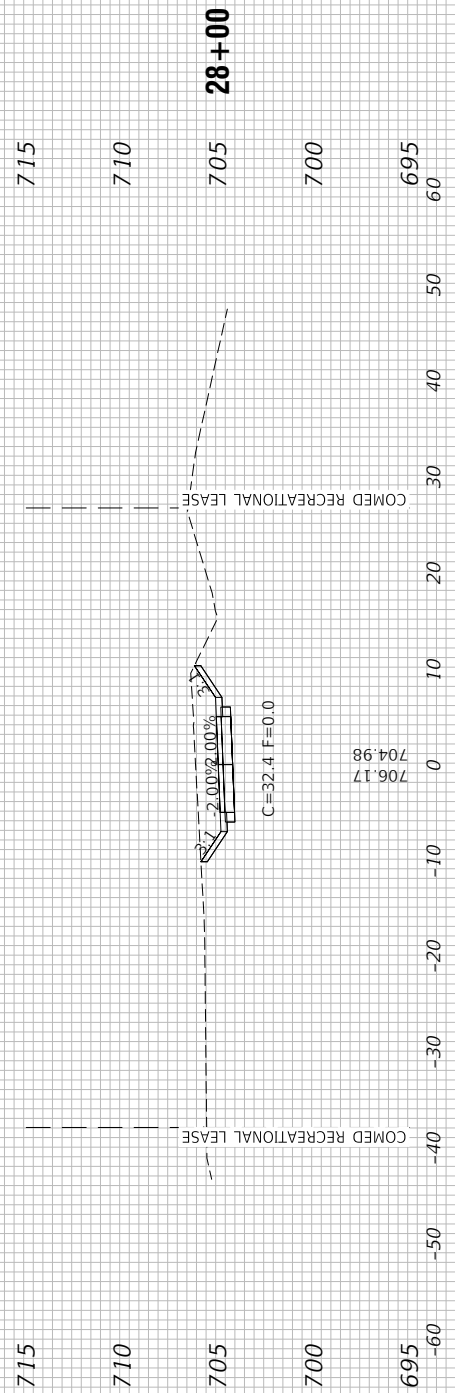
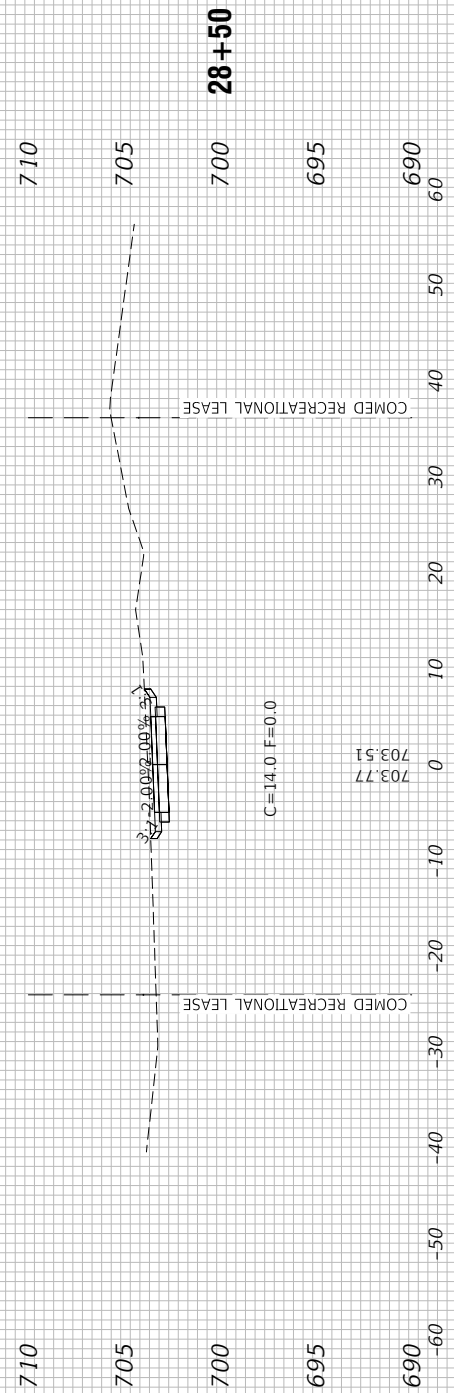
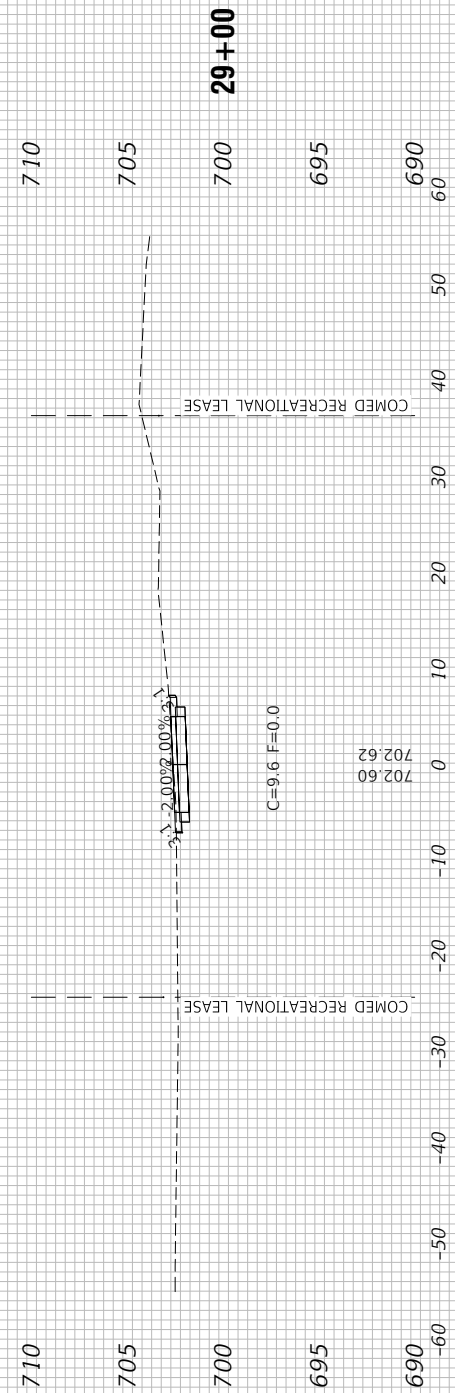
USER NAME =	DESIGNED -- TG	REVISED --
	CHECKED -- WPD	REVISED --
PLOT SCALE =	DRAWN -- MED	REVISED --
PLOT DATE = 02/07/24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OFF ROAD-COMED ROW
MULTI-USE PATH EXTENSION
CROSS SECTIONS

SCALE: H:1"=10' V:1"=5' SHEET NO. 26 OF 30 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	21-00122-00-BT	COOK	30	26
CONTRACT NO. 61K30				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	HMGS(705)	

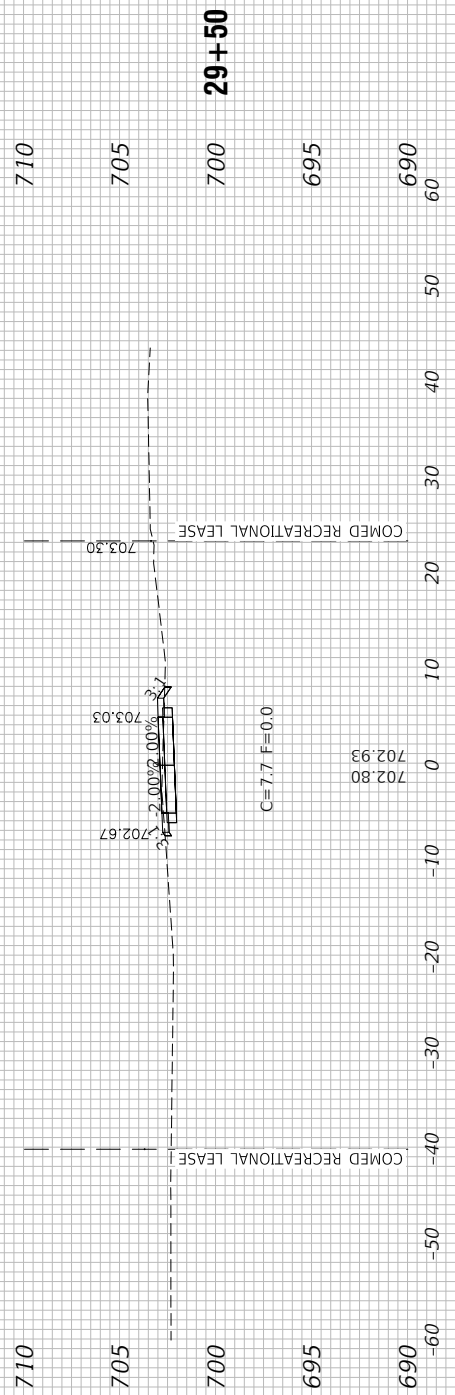
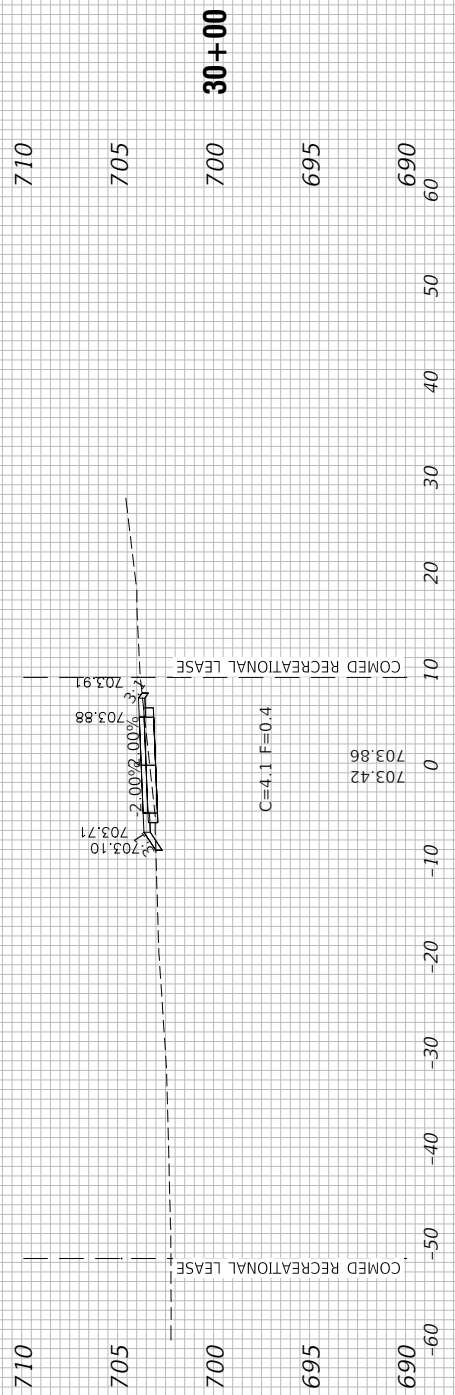
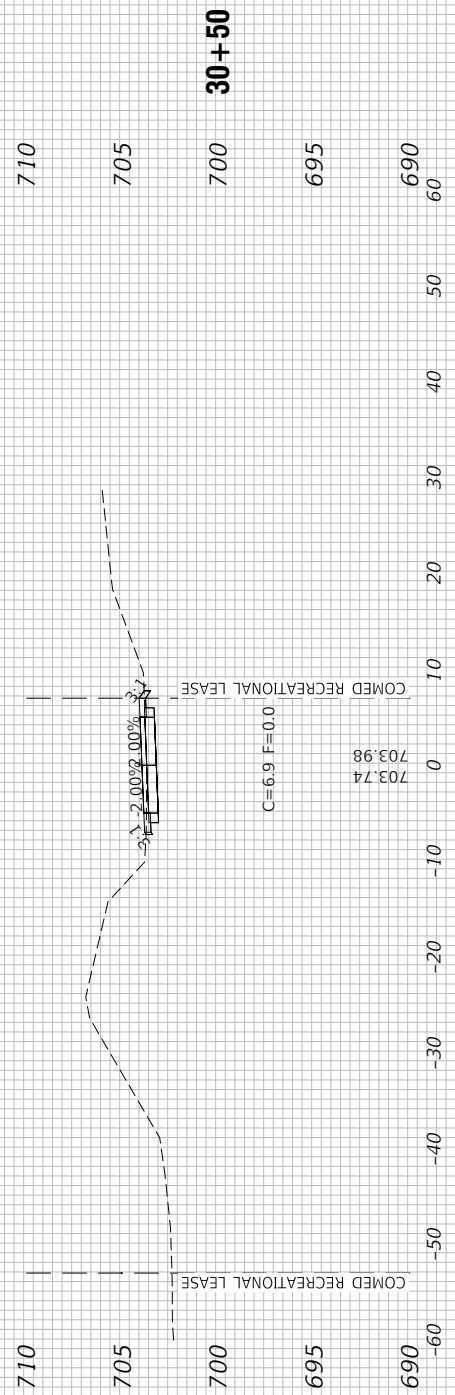
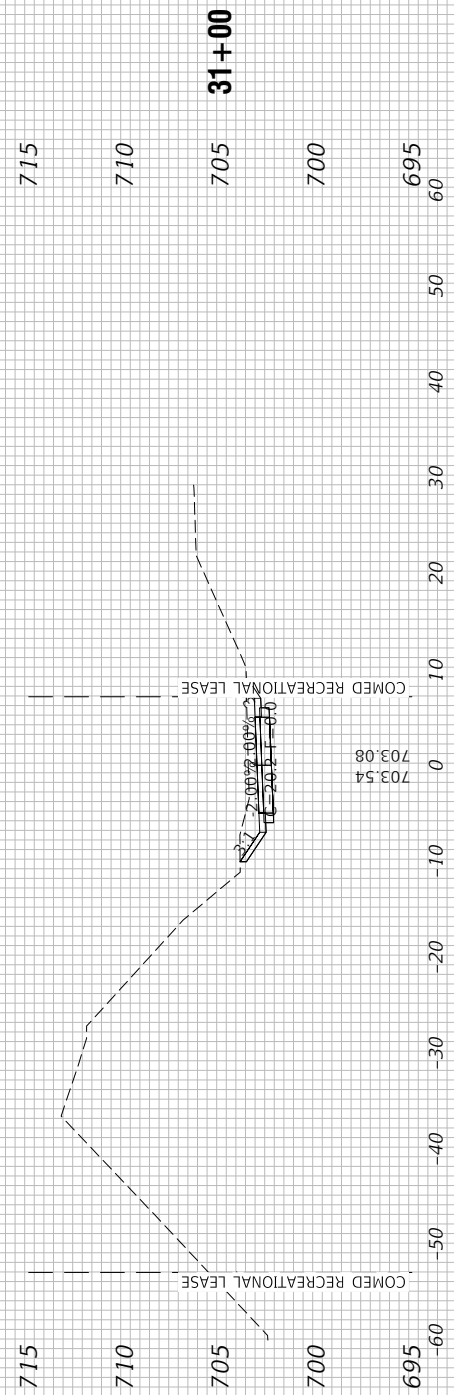
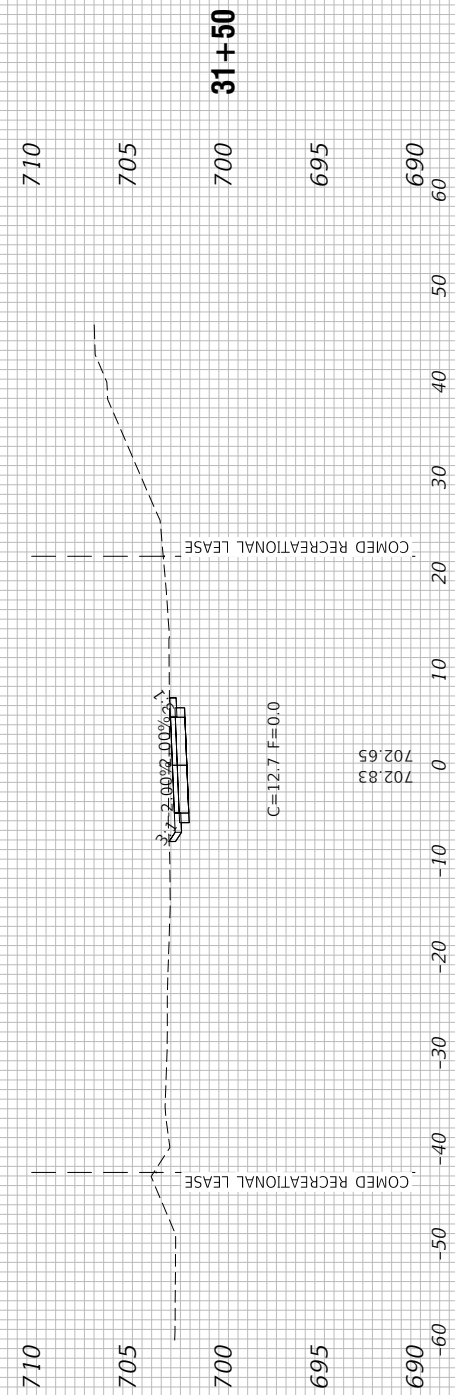


FILE NAME = 21R0320_02-XSECT-01 - IDOT_X(8)	USER NAME =	DESIGNED -- TG	REVISED --
		CHECKED -- WPD	REVISED --
	PLOT SCALE =	DRAWN -- MED	REVISED --
	PLOT DATE = 02/07/24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OFF ROAD-COMED ROW MULTI-USE PATH EXTENSION CROSS SECTIONS			
SCALE: H:1"=10'V:1"=5'	SHEET NO. 27	OF 30 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	21-00122-00-BT	COOK	30	27
CONTRACT NO. 61K30				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	HMG5(705)	

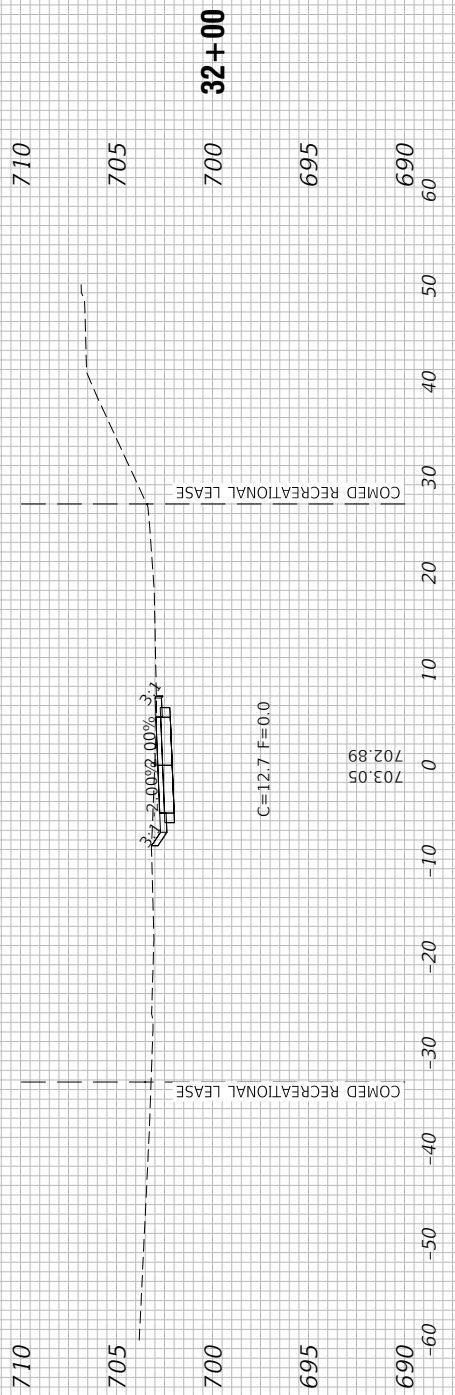
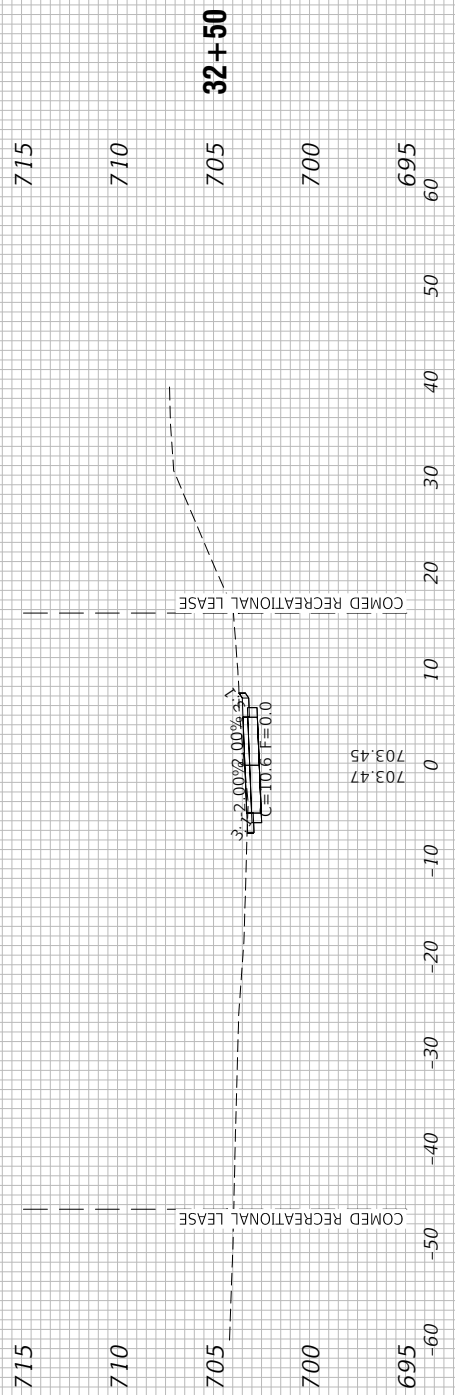
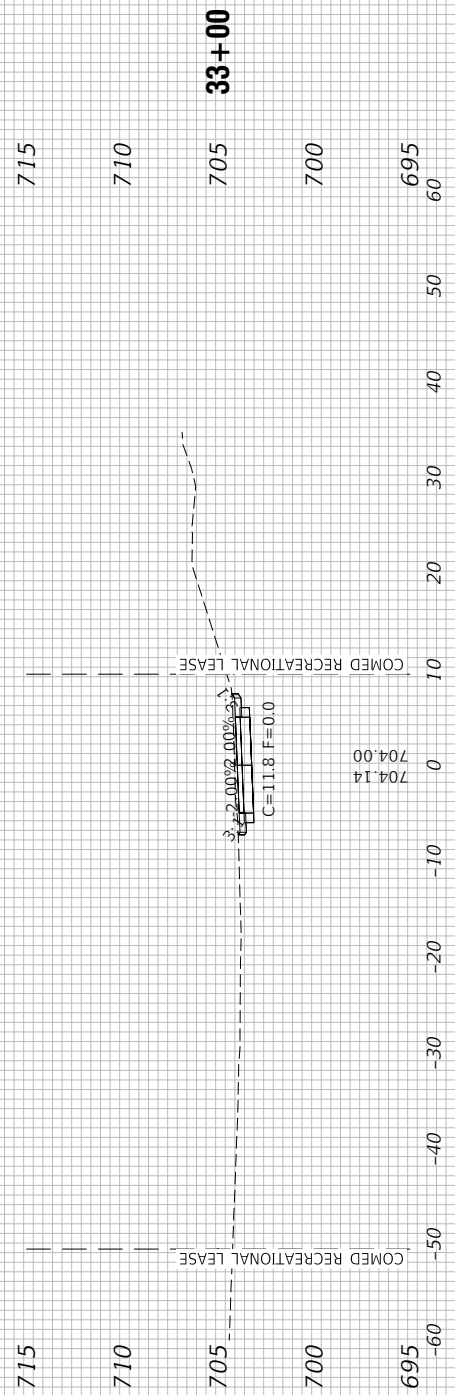
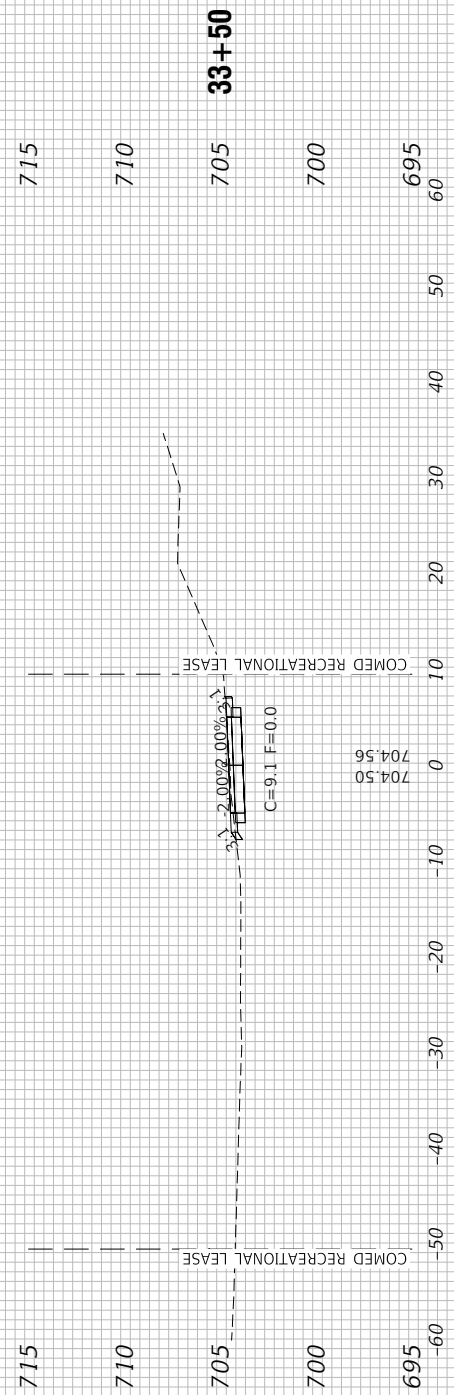
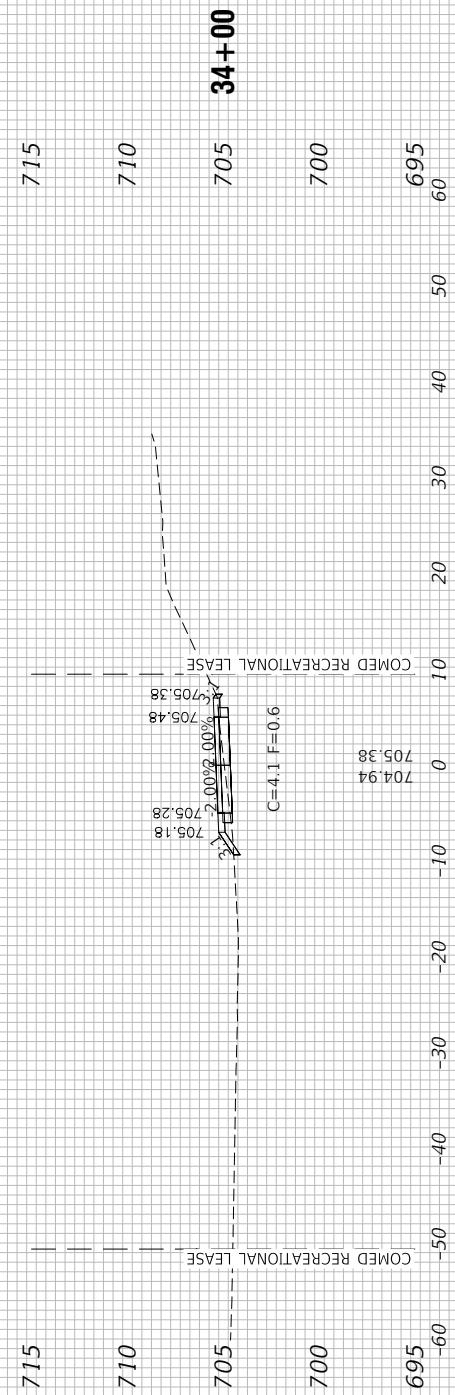


FILE NAME = 21R0320_02-XSECT-01 - IDOT_X(9)	USER NAME =	DESIGNED -- TG	REVISED --
		CHECKED -- WPD	REVISED --
	PLOT SCALE =	DRAWN -- MED	REVISED --
	PLOT DATE = 02/07/24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OFF ROAD-COMED ROW MULTI-USE PATH EXTENSION CROSS SECTIONS			
SCALE: H:1"=10'V:1"=5'	SHEET NO. 28	OF 30 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	21-00122-00-BT	COOK	30	28
CONTRACT NO. 61K30				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	HMG5(705)	



FILE NAME = 21R0320_02-XSECT-01 - IDOT_X(10)

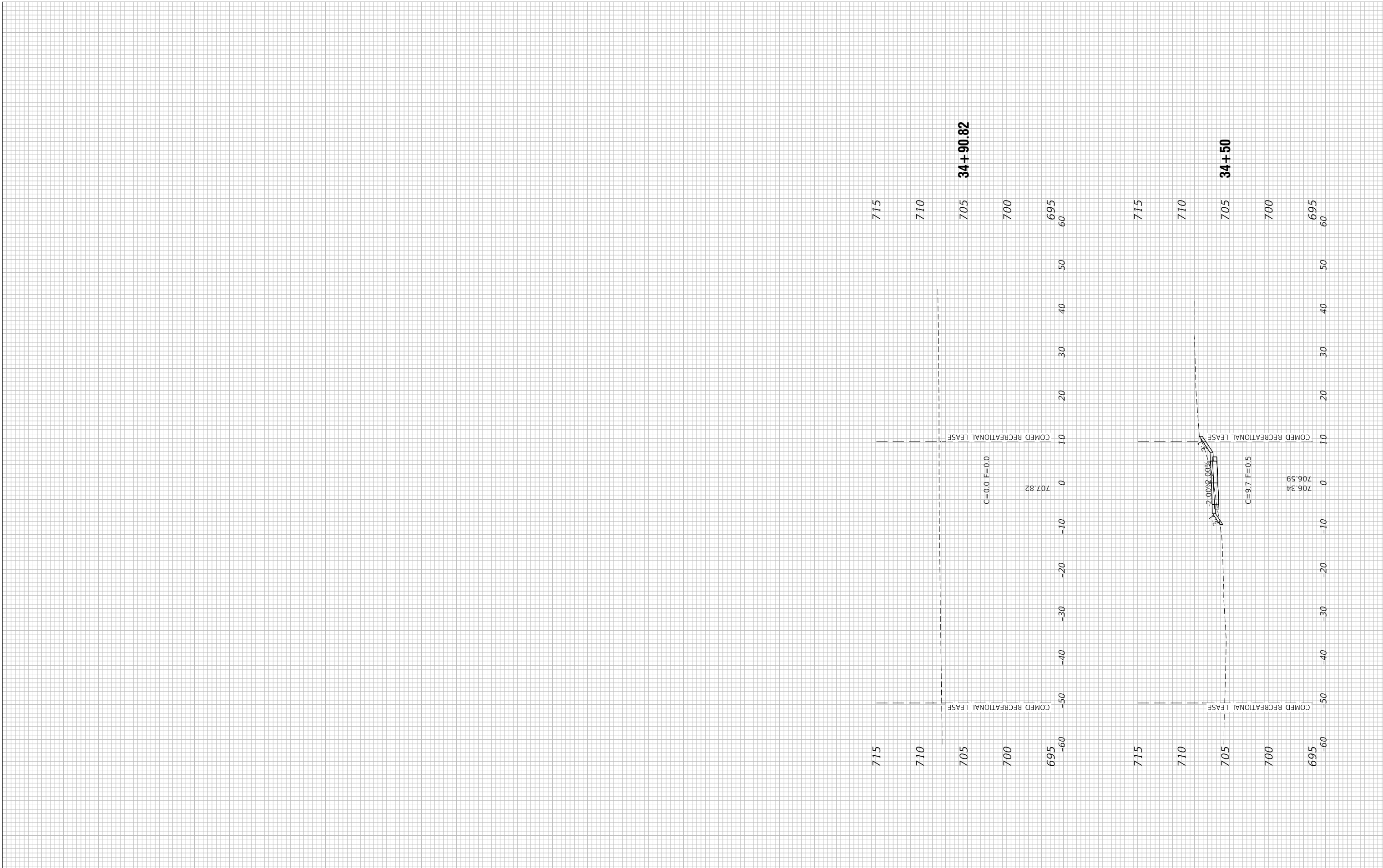
USER NAME =	DESIGNED -- TG
	CHECKED -- WPD
PLOT SCALE =	DRAWN -- MED
PLOT DATE = 02/07/24	CHECKED -- AG

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OFF ROAD-COMED ROW MULTI-USE PATH EXTENSION CROSS SECTIONS			
SCALE: H:1"=10' V:1"=5'	SHEET NO. 29	OF 30 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	21-00122-00-BT	COOK	30	29
CONTRACT NO. 61K30				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	HMG5(705)	



FILE NAME = 21R0320_02-XSECT-01 - IDOT_X(11)	USER NAME =	DESIGNED -- TG	REVISED --
		CHECKED -- WPD	REVISED --
	PLOT SCALE =	DRAWN -- MED	REVISED --
	PLOT DATE = 02/07/24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OFF ROAD-COMED ROW MULTI-USE PATH EXTENSION CROSS SECTIONS			
SCALE: H:1"=10'V:1"=5'	SHEET NO. 30	OF 30 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	21-00122-00-BT	COOK	30	30
CONTRACT NO. 61K30				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	HMG5(705)	