

F.A.U. RT. 13-00091-00-BT	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 1
ILLINOIS CONTRACT # 61H66				

04-29-2022 LETTING ITEM 096

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR INDEX OF HIGHWAY STANDARDS SEE SHEET NO. 2

# STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

## PLANS FOR PROPOSED FEDERAL AID HIGHWAY

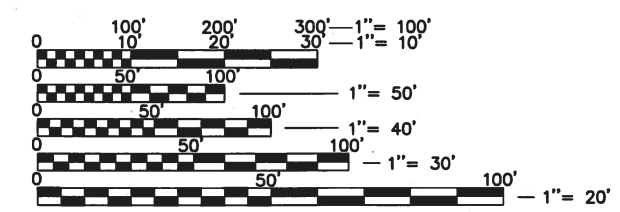
**FAU ROUTE 2549 (HART ROAD)  
FAU ROUTE 1270 (LAKE COOK ROAD)  
FIELD OF DREAMS TO LAKE COOK ROAD  
HART ROAD TO HIGH SCHOOL ENTRANCE BIKEWAY  
SECTION: 13-00091-00-BT  
PROJECT: WVN5(181)  
VILLAGE OF BARRINGTON  
LAKE COUNTY  
C-91-275-13**



**TRAFFIC DATA**

**HART ROAD**  
MAJOR COLLECTOR  
POSTED SPEED LIMIT 40 MPH  
DESIGN SPEED 45 MPH  
2019 ADT 8,500

**LAKE COOK ROAD**  
MINOR ARTERIAL  
POSTED SPEED LIMIT 30 MPH  
DESIGN SPEED 35 MPH  
2018 ADT 9,250

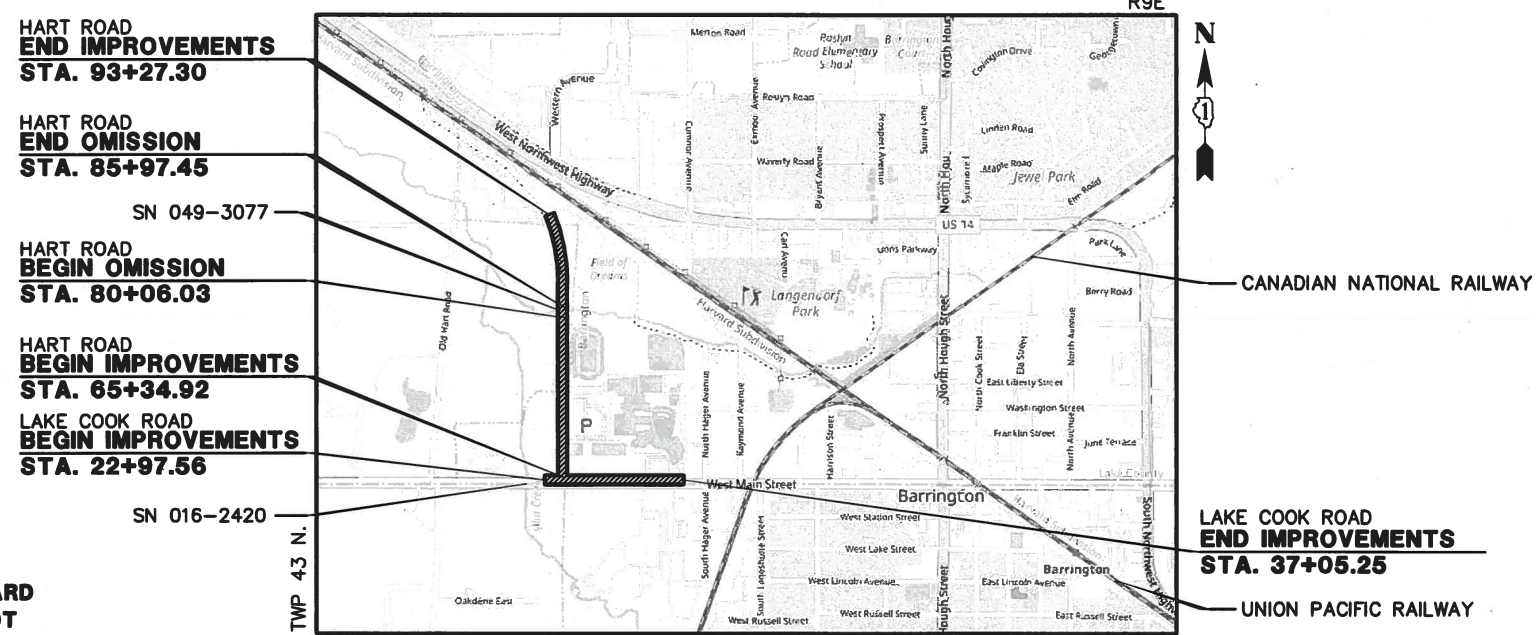


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

**GHA GEWALT HAMILTON ASSOCIATES, INC.**  
625 Forest Edge Drive ■ Vernon Hills, IL. 60061  
TEL 847.478.9700 ■ FAX 847.478.9701

**CONTRACT NO. 61H66**



**LOCATION MAP**  
(Not to Scale)

**TOTAL PROJECT**  
GROSS LENGTH OF PROJECT ■ 4,263.07 FEET (0.81 MILES)  
NET LENGTH OF PROJECT ■ 3608.65 FEET (0.68 MILES)

**MAIN STREET**  
GROSS LENGTH OF PROJECT ■ 1,407.69 FEET (0.26 MILES)  
NET LENGTH OF PROJECT ■ 1,407.69 FEET (0.26 MILES)

**HART ROAD**  
GROSS LENGTH OF PROJECT ■ 2,792.38 FEET (0.53 MILES)  
NET LENGTH OF PROJECT ■ 2,200.96 FEET (0.42 MILES)



SIGNED: *Mark G. F. Cobb*  
MARK G. F. COBB, P.E.

DATE: FEBRUARY 11, 2022  
EXP. 2/28/2022

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

Approved: *[Signature]*  
**MARIE HANSEN**  
Village of Barrington, Director of Development Services

Approved: *[Signature]*  
**NICOLE JACOTTA**  
Barrington School District 220, Director of Facilities

Passed: **FEB 15, 2022**  
*[Signature]*  
District One Engineer of Local Roads & Streets

Releasing for Bid  
Based on Limited Review **FEBRUARY 15, 2022**  
*[Signature]*  
Regional Engineer

**PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS**

PROGRAM AND OFFICE ENGINEER: CARMEN E. RAMOS, P.E. SCHAUMBURG, IL

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**GHA DETAILS**

DRAINAGE CONTROL STRUCTURE ST #3

FILE NAME = 4370.120-DT1.dwg	USER NAME = DOMINIC OLESAK	DESIGNED - MGFC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS AND LIST OF HIGHWAY STANDARDS ITEP PEDESTRIAN PATH IMPROVEMENTS</b>			FAU RTE 2549 1270	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 2
	PLOT SCALE = 1" = .1667'	DRAWN - PJS	REVISED -		SCALE N.T.S.	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT # 61H66		ILLINOIS FED. AID PROJECT	
	PLOT DATE = 2/14/2022 9:45 AM	CHECKED - MGFC	REVISED -									
		DATE - 2/11/2022	REVISED -									

**GENERAL NOTES**

- ALL CONSTRUCTION SHALL BE PERFORMED ACCORDING TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" JANUARY 1, 2022 EDITION, THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" JANUARY 1, 2022 EDITION, THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" LATEST EDITION, THE DETAILS IN THESE PLANS, THE CONTRACT DOCUMENTS, ALL APPLICABLE REQUIREMENTS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, THE IEPA AND ORDINANCES OF AUTHORITIES HAVING JURISDICTION AND ALL ADDENDA THERETO.
- EASEMENTS FOR THE EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE AND UTILITIES WITHIN PUBLIC RIGHTS-OF-WAY ARE SHOWN ON THE PLANS ACCORDING TO AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION IN THE FIELD OF THESE UTILITY LINES AND THEIR PROTECTION FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- WHENEVER, DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, DITCHES, ETC. SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THE LOOSE MATERIAL WILL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT. THE CONTRACTOR'S FAILURE TO PROVIDE THE ABOVE WILL PRECLUDE ANY POSSIBLE ADDED COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIALS CREATED AS A RESULT THEREOF.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE PRIOR TO ORDERING MATERIALS. IN ADDITION, THE CONTRACTOR MUST VERIFY THE LINE AND GRADES. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTION FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSION OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTION, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS/HER OWN RISK AND EXPENSE AND NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR ANY COSTS INCURRED.
- ALL PAVEMENT DIMENSIONS ARE SHOWN TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE THE MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 72 HOURS PRIOR TO BEGINNING WORK.
- IF DURING CONSTRUCTION THE CONTRACTOR ENCOUNTERS OR OTHERWISE BECOMES AWARE OF ANY SEWERS OR UNDERDRAINS OTHER THAN THOSE SHOWN ON THE PLANS, HE/SHE SHALL INFORM THE ENGINEER, WHO SHALL DIRECT THE WORK NECESSARY TO MAINTAIN OR REPLACE THE FACILITIES IN SERVICE AND TO PROTECT THEM FROM DAMAGE DURING CONSTRUCTION IF MAINTAINED. EXISTING FACILITIES TO BE MAINTAINED THAT ARE DAMAGED BECAUSE OF NON-COMPLIANCE WITH THIS PROVISION SHALL BE REPLACED.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY TOILET FACILITIES AND HAND SANITIZING STATIONS FOR THE USE OF ALL THE CONTRACTORS PERSONNEL EMPLOYED ON THE WORK SITE. THE FACILITIES SHALL BE MAINTAINED IN PROPER SANITARY CONDITION THROUGHOUT THE PROJECT. THE LOCATION OF THE TEMPORARY FACILITIES SHALL BE APPROVED BY THE ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE NPDES PERMIT AND SWPPP MANUAL. IF NO NPDES PERMIT OR SWPPP MANUAL IS NEEDED FOR THE PROJECT THE CONTRACTOR SHALL PERFORM SOIL EROSION SEDIMENT CONTROL BEST PRACTICES OR AS DIRECTED BY THE OWNER TO PREVENT ILLICIT DISCHARGES FROM THE SITE.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR VIA EMAIL AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS, THE ENGINEER SHALL CONTACT THE AREA TRAFFIC FIELD ENGINEER, FADI SULTAN, VIA EMAIL AT FADI.SULTAN@ILLINOIS.GOV.
- PRIOR TO 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, AS NECESSARY, FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE DIRECTED BY THE ENGINEER.

**UTILITY NOTES**

- UNDERGROUND WORK SHALL INCLUDE TRENCHING, DISPOSAL OF EXCESS MATERIAL, DEWATERING, INSTALLATION OF PIPE, CASTINGS, STRUCTURES, BACKFILLING OF TRENCHES AND COMPACTION, AND TESTING AS SHOWN ON THE CONSTRUCTION PLANS. FITTINGS AND ACCESSORIES NECESSARY TO COMPLETE THE WORK MAY NOT BE SPECIFIED BUT SHALL BE CONSIDERED AS INCLUDED TO THE COST OF THE CONTRACT. ALL SEWER SHALL BE INSTALLED USING A LASER AND BEGIN AT THE DOWNSTREAM END.
- MACHINE CORE ALL CONNECTIONS TO EXISTING STRUCTURES USING A CORE DRILL. HAMMERING OR SAWING OF STRUCTURES WILL NOT BE ALLOWED.
- SANITARY SERVICE CONNECTIONS TO NEW SEWERS SHALL BE MADE WITH WYE BRANCHES. WYE BRANCHES SHALL BE FACTORY MANUFACTURED PERMANENTLY AFFIXED TO THE MAIN SEWER. TEE BRANCHES ARE NOT ALLOWED.
- ALL CONNECTIONS TO EXISTING SANITARY MANHOLES SHALL BE INSTALLED WITH A NEOPRENE BOOT SECURED WITH DOUBLE STAINLESS STEEL STRAPS MEETING THE REQUIREMENTS OF ASTM C-923.
- ALL CONNECTIONS TO EXISTING OR DISSIMILAR STORM/SANITARY LINES SHALL BE DONE WITH STAINLESS STEEL NON-SHEAR COUPLINGS.
- STONE BEDDING AND BACKFILL SHALL BE OMITTED FOR A DISTANCE OF 15 FEET UP AND DOWNSTREAM OF SEWERS DRAINING TO OR FROM PONDS OR STREAMS. THE REPLACED BEDDING SHALL BE SILTY CLAY SOIL MECHANICALLY COMPACTED TO 90% MODIFIED PROCTOR DENSITY. THE USE OF PERMEABLE SOILS WILL NOT BE PERMITTED.
- ALL WATER MAIN SHALL HAVE MECHANICAL RESTRAINED TYPE JOINTS AT ALL CONNECTIONS AND FITTINGS. IN ADDITION, ALL HARDWARE SHALL BE STAINLESS STEEL.
- THRUST BLOCKING SHALL BE PROVIDED ON WATER MAIN AT ALL BENDS, TEES, ELBOWS, ETC. INDIVIDUAL INSPECTION FOR ALL THRUST BLOCKING IS REQUIRED. THRUST BLOCKING SHALL BE POURED IN PLACE CONCRETE. PRECAST BLOCKS MAY BE USED AS APPROVED BY THE ENGINEER IN THE FIELD.
- ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER. ALL DOWNSPOUTS, SIDE YARD DRAINS, AND OUTSIDE DRAINS SHALL DISCHARGE TO THE STORM SEWER SYSTEM. FOOTING DRAINS SHALL FIRST DRAIN TO A SUMP PIT.

**PROJECT SPECIFIC NOTES**

- THE CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS THAT INCLUDE; CRITICAL SPOT GRADES SUCH AS OVERFLOW ELEVATIONS, SPOT ELEVATIONS NEAR ENTRANCES, SPOT ELEVATIONS ALONG THE DESIGNATED ADA ROUTE, SUFFICIENT INFORMATION SUCH THAT THE ENGINEER MAY VERIFY DETENTION VOLUMES, RIM AND INVERT ELEVATIONS OF ALL SEWERS, RIM AND TOP OF PIPE ELEVATIONS OF ALL WATER MAIN, LOCATIONS OF ALL INSTALLED UNDERGROUND UTILITIES, LOCATIONS OF ALL BURIED BENDS AND FITTINGS AND ALL FIELD CHANGES FROM THE APPROVED DRAWINGS.
- ALL WORK PERFORMED UNDER THIS CONTRACT SHALL BE GUARANTEED BY THE CONTRACTOR AND HIS SURETY FOR A PERIOD OF 12 MONTHS FROM THE DATE OF INITIAL ACCEPTANCE OF THE WORK BY THE OWNER AGAINST ALL DEFECTS IN MATERIALS AND WORKMANSHIP OF WHATEVER NATURE.
- ALL CONSTRUCTION WILL BE INSPECTED BY THE OWNER'S REPRESENTATIVE. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE MUNICIPALITY AS WELL AS THE STANDARD SPECIFICATIONS.
- ALL PUBLIC WATER MAINS AND SANITARY SEWER MAINS MUST BE ACCEPTED BY THE **VILLAGE OF BARRINGTON PUBLIC WORKS DEPARTMENT**.
- THE SEWER AND WATER CONTRACTOR SHALL BE REQUIRED TO BE LICENSED AND BONDED WITH THE **VILLAGE OF BARRINGTON PUBLIC WORKS DEPARTMENT** BEFORE WORK IS STARTED.
- CONTRACTOR SHALL NOTIFY THE **PROJECT ENGINEER (847-478-9700)** AT LEAST 72 HOURS PRIOR TO BEGINNING ANY WORK ON THIS PROJECT.
- THE CONTRACTOR SHALL INDEMNIFY THE OWNER, ENGINEER, THE MUNICIPALITY AND THEIR AGENTS, FROM ALL LIABILITY INVOLVED IN CONSTRUCTION, INSTALLATION AND TESTING OF THE WORK ON THIS PROJECT.
- THE CONTRACTOR MUST CARRY INSURANCE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. ALL OFFICIALS, EMPLOYEES AND AGENTS OF GEWALT HAMILTON ASSOCIATES MUST BE LISTED AS ADDITIONAL INSURED.
- ALL ELEVATIONS ARE ON **NAVD 88** VERTICAL DATUM.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL TRAFFIC CONTROL TO ADEQUATELY INFORM AND PROTECT THE PUBLIC OF ALL CONSTRUCTION OPERATIONS.
- STOCKPILING MATERIAL WITHIN THE 100 YEAR FLOOD PLAIN AND OR THE FLOODWAY IS STRICTLY PROHIBITED
- PRIOR TO PLACEMENT OF FABRIC AND STONE, THE SUBGRADE SHALL BE PROOF-ROLLED IN THE PRESENCE OF THE ENGINEER. PROOF-ROLLING SHALL BE DONE USING A THREE AXLE DUMP TRUCK TOGETHER WITH LOAD WEIGHING AT LEAST TWENTY-FIVE (25) TONS. THE LOAD SHALL BE UNIFORMLY PLACED IN THE DUMP BODY. ALL DEFICIENCIES SHALL BE REPAIRED AND RE-PROOF-ROLLED UNTIL FOUND ACCEPTABLE TO THE ENGINEER.
- ALL CONNECTIONS TO EXISTING STORM MANHOLES SHALL BE INSTALLED WITH A NEOPRENE BOOT SECURED WITH DOUBLE STAINLESS STEEL STRAPS MEETING THE REQUIREMENTS OF ASTM C-923.
- ALL CONCRETE SHALL HAVE A LIGHT BROOM FINISH APPLIED WITHIN 1 HOUR OF FINAL STRIKING.
- ALL CONCRETE SHALL HAVE A WHITE, IDOT TYPE 3 CURING COMPOUND APPLIED TO THE SURFACE WITHIN 1 HOUR OF FINAL STRIKING AT THE MANUFACTURER RECOMMENDED APPLICATION RATE.
- 3/4" THICK PRE-MOLDED FIBER EXPANSION JOINTS WITH 2 , 3/4" x 18" PLAIN ROUND, STEEL DOWEL BARS SHALL BE INSTALLED IN ALL CURBS AT (45') FORTY-FIVE FOOT INTERVALS AND AT ALL P.C.'S, P.T.'S AND CURB RETURNS. ALTERNATE ENDS OF THE DOWEL BARS SHALL BE GREASED AND FITTED WITH METAL EXPANSION TUBES. ALL EXPANSION JOINTS MUST BE FREE OF CONCRETE FOR FULL DEPTH. CONTRACTION JOINTS SHALL BE TOOLED AT 15' INTERVALS.
- UNLESS OTHERWISE NOTED ON THE PLANS WHENEVER NEW CONCRETE ABUTS EXISTING/ OR NEW CONCRETE SET A 1/2" THICK PRE-MOLDED FIBER EXPANSION JOINT AND DOWEL WITH SMOOTH 12" #4 BARS @ 24" O.C. THIS INCLUDES CONCRETE POURED ADJACENT TO EXISTING SIDEWALKS, CURBS AND BUILDING. THE DOWEL BARS SHOULD BE 4" INTO EXISTING CONCRETE WITH 8" EXTENDING INTO NEW CONCRETE.
- ALL DOWEL BARS AND TIE BARS SHALL BE EPOXY COATED UNLESS NOTED OTHERWISE.
- ALL PAVEMENT AND BUILDING SUBGRADE SHALL BE COMPACTED TO 95% MODIFIED PROCTOR DENSITY (ASTM D-1557). ALL SUBGRADE IN LAWN AREAS SHALL BE COMPACTED TO 90% MODIFIED PROCTOR DENSITY (ASTM D-1557). ALL TOPSOIL AND SUBGRADE 6" BELOW TOPSOIL SHALL BE COMPACTED TO 80% STANDARD PROCTOR DENSITY (ASTM D-698)
- SPREAD SCREENED TOPSOIL ON ALL DISTURBED AREAS AND PROPOSED GREEN AREAS. TOPSOIL SHALL COMPLY WITH REQUIREMENTS OF ARTICLE 1081.05.
- ALL SIGNAGE SHALL BE INSTALLED IN ACCORDANCE WITH THE MOST RECENT VERSION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND ILLINOIS SUPPLEMENT OR ILLINOIS DEPARTMENT OF TRANSPORTATION DETAILS.
- GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAVE BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH 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 ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
- ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECT BY THE ENGINEER AT CONTRACTOR EXPENSE.

**EROSION CONTROL NOTES**

- AT A MINIMUM, THE CONTRACTOR SHALL INSTALL AND MAINTAIN SOIL EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH IN THE LATEST EDITION OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S URBAN MANUAL.
- DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS.
- LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFFSITE SEDIMENT TRACKING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING ANY ROAD OF MATERIAL THAT IS FROM THE PROJECT. THIS WILL BE DONE AT THE CLOSE OF EACH DAY OF WORK OR MORE FREQUENTLY AS FIELD CONDITIONS WARRANT.
- ALL STORM WATER STRUCTURES WITH OPEN LIDS SHALL BE PROTECTED WITH INLET FILTER BASKETS. DURING CONSTRUCTION, SEDIMENT SHALL BE REMOVED AS NEEDED, AND BASKETS SHALL BE REPAIRED OR REPLACED AS NEEDED.
- AFTER ACHIEVING PERMANENT VEGETATION, ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE REMOVED, AND THE DRAINAGE STRUCTURES SHALL BE CLEANED.
- THE CONTRACTOR SHALL KEEP A WATER SOURCE AT THEIR DISPOSAL FOR THE PURPOSE OF WATERING DOWN SOIL ON SITE AND ADJACENT ROADWAYS WHICH OTHERWISE MAY BECOME AIRBORNE.
- THE CONTRACTOR SHALL STABILIZE ALL IDLE, DISTURBED AREAS WITHIN SEVEN DAYS OF CESSATION OF THE CONSTRUCTION ACTIVITIES IN THAT AREA.
- THE CONTRACTOR IS EXPRESSLY ADVISED NOT TO DISTURB AREAS WHICH ARE OUTSIDE THOSE NECESSARY TO PROVIDE THE IMPROVEMENTS AS CALLED FOR IN THE PLANS.
- ALL EROSION CONTROL MEASURES SHALL BE REPLACED IF DAMAGED OR MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT.
- ALL BYPASS CHANNELS, MUST BE CONSTRUCTED SO THAT CHANNEL FLOWS WILL NOT CAUSE EROSION OF EXCAVATED MATERIAL. IN EACH CASE A SEDIMENTATION BASIN MUST BE CONSTRUCTED SO AS TO ALLOW THE SEDIMENT TO SETTLE PRIOR TO THE DOWNSTREAM OUTLET OF THE PROJECT AREA.
- PUMPS MAY BE USED AS BYPASS DEVICES, BUT IN NO CASE WILL THE WATER BE DIVERTED OUTSIDE THE PROJECT LIMIT. ALL PUMPED WATER SHALL BE FREE OF SILT. PUMPING MAY REQUIRE THE USE OF A SEDIMENT CONTAINMENT FILTER BAG AND OTHER SUPPLEMENTAL SEDIMENT CONTROL MEASURES.
- CONCRETE WASHOUT FACILITIES SHALL BE MADE AVAILABLE IF NEEDED, AND PROPERLY MAINTAINED THROUGHOUT THE PROJECT.
- PROPERLY MANAGE ALL MATERIAL STORAGE AREAS, PORTABLE TOILETS, AND EQUIPMENT FUELING, CLEANING, AND MAINTENANCE AREAS TO ENSURE THESE AREAS ARE FREE OF SPILLS, LEAKS, OR OTHER POTENTIAL POLLUTANTS.
- WASTE, CONSTRUCTION DEBRIS, AND BUILDING MATERIALS SHALL BE COLLECTED AND PLACED IN APPROVED RECEPTACLES.

FILE NAME = 4370.120-DT1.dwg	USER NAME = DOMINIC OLESAK	DESIGNED - MGFC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES ITEP PEDESTRIAN PATH IMPROVEMENTS</b>			FAU RTE 2549 1270	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 3
	PLOT SCALE = 1" = .1667'	DRAWN - PJS	REVISED -		SCALE N.T.S.	SHEET NO. 1	OF 1 SHEETS	STA.	TO STA.	CONTRACT #	61H66	
	PLOT DATE = 2/14/2022 9:45 AM	CHECKED - MGFC	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE - 2/11/2022	REVISED -									

**SPECIAL CONDITIONS FOR CONSTRUCTION  
WITHIN A LAKE COUNTY HIGHWAY RIGHT-OF-WAY**

**WORK NOTIFICATION**

PRIOR TO STARTING CONSTRUCTION, THE MAINTENANCE SECTION, 847-377-7498, AND THE PERMIT SECTION, 847-377-7400, SHALL BE CALLED AND GIVEN THE CONSTRUCTION START DATE.

**SPECIFICATIONS**

THE CONSTRUCTION AND RESTORATION METHODS AND PROCEDURES, MATERIALS USED AND CONSTRUCTION SIGNING AND TRAFFIC CONTROL SHALL, WHEN APPLICABLE, CONFORM OR MEET THE STANDARDS AND REQUIREMENTS SET FORTH IN THE CURRENT "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS", "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" JANUARY 1, 2022 EDITION, "STANDARD SPECIFICATION FOR TRAFFIC CONTROL ITEMS", AND THE "HIGHWAY STANDARDS" MANUAL AS PUBLISHED OR ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

**FIELD CHANGES FOR WATERMAIN OR SEWER LOCATION**

NO CHANGES TO THE DEPTH OR LOCATION OF THE WATERMAIN OR SEWER AS SHOWN ON THESE PLANS DUE TO UNFORESEEN FIELD CONDITIONS OR CONFLICTS CAN BE MADE UNLESS PRIOR APPROVAL HAS BEEN OBTAINED FROM THE PERMIT SECTION OF THE LAKE COUNTY DIVISION OF TRANSPORTATION.

**ADDITIONS, EXTENSIONS OR DELETIONS FOR THE WATERMAIN OR SEWER**

NO ADDITIONS, EXTENSIONS OR DELETIONS CAN BE MADE TO THE WATERMAIN OR SEWER AS SHOWN ON THESE PLANS UNLESS PRIOR APPROVAL HAS BEEN OBTAINED FROM THE PERMIT SECTION OF THE LAKE COUNTY DIVISION OF TRANSPORTATION.

**APPROVAL OF MATERIALS**

THE MANAGER OF MATERIALS AND QUALITY CONTROL OF THE LAKE COUNTY DIVISION OF TRANSPORTATION, 847-377-7400, SHALL BE CALLED FOR APPROVAL OF ANY TRENCH BACKFILL, SAND, GRAVEL OR OTHER GRANULATED MATERIALS USED WITHIN THE COUNTY HIGHWAY RIGHT-OF-WAY.

**HAZARDS TO THE PUBLIC**

MEASURES SHALL BE TAKEN TO PREVENT OR PROTECT THE PUBLIC FROM HAZARDS CAUSED BY THE CONSTRUCTION OPERATIONS.

**PARKING OF VEHICLES, EQUIPMENT AND STORAGE OF MATERIALS**

CONSTRUCTION WORKER'S VEHICLES AND CONSTRUCTION EQUIPMENT SHALL BE PARKED IN AREAS OUTSIDE OF THE COUNTY HIGHWAY RIGHT-OF-WAY OR IN AREAS WHERE THERE WILL BE NO INTERFERENCE WITH THE NORMAL USE OF THE HIGHWAY OR VEHICLE SIGHT DISTANCE. CONSTRUCTION MATERIALS SHALL BE LOCATED AT LEAST 12 FEET FROM A THROUGH TRAFFIC LANE OR OUTSIDE OF THE COUNTY HIGHWAY RIGHT-OF-WAY.

**MAINTAINING EXISTING TRAFFIC CONTROL DEVICES**

EXISTING TRAFFIC CONTROL DEVICES THAT ARE REMOVED SHALL BE RE-ERECTED AS SOON AS POSSIBLE. DAMAGED OR LOST TRAFFIC CONTROL SIGNS SHALL BE REPORTED TO THE SIGN SHOP 847-362-3962 OF THE LAKE COUNTY DIVISION OF TRANSPORTATION FOR REPLACEMENT.

REGULATORY AND WARNING TRAFFIC SIGNS SHALL BE KEPT IN VIEW OF THE HIGHWAY TRAFFIC.

**EXISTING DRAINAGE AND ACCESS**

DISTURBED HIGHWAY DRAINAGE FACILITIES SHALL BE RE-ESTABLISHED AT THE CLOSE OF EACH WORKDAY. OCCUPANTS OF ADJACENT PROPERTIES HAVING ACCESS TO THE COUNTY HIGHWAY SHALL BE NOTIFIED PRIOR TO BEING BLOCKED AND SUITABLE ARRANGEMENTS MADE WITH THE OCCUPANTS. ADJACENT PROPERTY ACCESS SHALL BE RE-ESTABLISHED AS SOON AS POSSIBLE.

**HIGHWAY PAVEMENTS**

CARE SHALL BE TAKEN SO AS TO NOT BREAK, CRACK OR DAMAGE THE HIGHWAY PAVEMENT WITH EQUIPMENT OPERATING ON IT. ALSO, ANY DIRT OR DEBRIS TRACKED ONTO THE HIGHWAY PAVEMENT SHALL BE REMOVED. EQUIPMENT WITH GROZZER PADS, CLEATS OR STUDS ARE NOT PERMITTED TO OPERATE ON THE HIGHWAY PAVEMENT.

IF, DUE TO CONSTRUCTION OPERATIONS, THE HIGHWAY PAVEMENT BECOMES DAMAGED OR UNDERMINED, ALL CONSTRUCTION WORK IN THAT AREA SHALL BE STOPPED AND THE HIGHWAY PAVEMENT REPAIRED AS DIRECTED BY THE LAKE COUNTY DIVISION OF TRANSPORTATION. ALTERNATE CONSTRUCTION MEASURES SHALL THEN BE USED TO PREVENT FURTHER HIGHWAY PAVEMENT DAMAGE.

**EXCAVATIONS, TRENCHES AND BORE PITS**

EXCAVATED MATERIAL SHALL, WHEN PRACTICAL, BE PILED ON THE NEAR TRAFFIC SIDE OF THE EXCAVATION, TRENCH OR BORE PIT. OPEN EXCAVATIONS, TRENCHES OR BORE PITS REMAINING AFTER WORKING HOURS SHALL NOT EXCEED 50 FEET IN LENGTH AND SHALL BE PROPERLY PROTECTED (FENCING, COVERED, ETC.) AND MARKED (TYPE I OR II BARRICADES). IF BARRICADES ARE USED IN SERIES, ONLY STEADY BURNING LIGHTS SHALL BE USED. BORE PITS SHALL BE LOCATED NO CLOSER THAN 10 FEET TO THE HIGHWAY PAVEMENT, BACK OF CURB OR GUTTER, OR SHOULDER BREAK LINE, WHICHEVER IS FURTHER. IF CASING PIPES ARE USED, THE VOIDS IN THE CASING PIPE SHALL BE FILLED AND/OR THE ENDS SEALED SO THERE WILL BE NO SILTATION INTO THE CASING PIPE.

**BACKFILLING**

BACKFILLING OPERATIONS SHALL BE SIMULTANEOUS WITH THE CONSTRUCTION OPERATIONS AND SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". ANY EXCAVATION, TRENCH, BORE PIT OR PORTION THEREOF WITHIN A 1:1 SLOPE OF THE PAVEMENT EDGE OR BACK OF CURB SHALL BE BACKFILLED WITH TRENCH BACKFILL (SAND). IN ADDITION, TRENCH BACKFILL (SAND) SHALL BE USED FOR ALL ACCESS CROSSING AND PAVEMENT AREAS AND SHALL EXTEND TWO FEET BEYOND THE EDGE OF THE ACCESS OR PAVEMENT AREA. AREAS BETWEEN THE PAVEMENT EDGE AND SHOULDER BREAK LINE SHALL BE BACKFILLED WITH AGGREGATE BASE COURSE (GRAVEL). BACKFILL OF SHOULDER AREAS SHALL NOT EXTEND ABOVE THE EXISTING GROUND AND ANY SETTLEMENT SHALL BE PROMPTLY FILLED.

**MANHOLES, VALVES, VALVE VAULTS AND APPURTENANCES**

THE TOP OF THE FRAME AND LID OR COVER OF A MANHOLE, VALVE, OR VALVE VAULT SHALL BE FLUSH AND CONTOURED TO THE SURROUNDING GROUND. IF THIS IS NOT POSSIBLE DUE TO AN EXCESSIVE SLOPE, THE SURROUNDING GROUND SHALL BE REGRADED OR THE FRAME AND LID OR COVER PARTIALLY BURIED TO PROVIDE FOR A GRADUAL TRANSITION SLOPE SO THE AREA CAN BE SAFELY MOWED AND NO HAZARD TO THE PUBLIC WILL RESULT. THE TOP OF THE FRAME AND LID OR COVER THAT IS LOCATED WITHIN THE GRAVEL SHOULDER SHALL HAVE A BITUMINOUS APRON INSTALLED AROUND THE FRAME OR COVER AS DIRECTED BY THE LAKE COUNTY DIVISION OF TRANSPORTATION. ANY FRAME AND LID OR COVER LOCATED IN A PAVED AREA SHALL BE CONTOURED AND ¼ INCH BELOW THE SURFACE OF THE SURROUNDING PAVEMENT. THE TOP OF FRAME AND LID OR COVER SHALL NOT BE LOCATED WITHIN THE AREA OF 27.5 FEET TO 30.5 FEET FROM THE HIGHWAY PAVEMENT CENTERLINE.

SURFACE APPURTENANCES THAT EXTEND ABOVE THE SURROUNDING GROUND SURFACE SHALL BE LOCATED WITHIN TWO FEET OF THE COUNTY HIGHWAY RIGHT-OF-WAY.

**TILE LINES AND STORM SEWERS**

EXISTING TILE LINES AND STORM SEWERS THAT ARE ENCOUNTERED DURING CONSTRUCTION OPERATIONS SHALL BE REPLACED IF BROKEN WITH LIKE SIZE AND KIND OF MATERIAL. TILE LINE AND STORM SEWER CROSSINGS OF THE EXCAVATION SHALL BE BRIDGED WITH RIGID MATERIALS SUCH AS WOOD OR STEEL. THE LOCATION AND DEPTH OF ANY ENCOUNTERED TILE LINES AND STORM SEWERS SHALL BE RECORDED AND A COPY GIVEN TO THE LAKE COUNTY DIVISION OF TRANSPORTATION.

**WINTER CONSTRUCTION WORK**

SNOW AND ICE REMOVAL OPERATIONS OF THE LAKE COUNTY DIVISION OF TRANSPORTATION SHALL HAVE PRECEDENCE OVER THE CONSTRUCTION OPERATIONS. A 12 FOOT WIDE (MINIMUM) CLEAR AREA FROM THE HIGHWAY PAVEMENT EDGE SHALL BE MAINTAINED FOR THE ROADSIDE STORAGE OF SNOW AND ICE. NO CONSTRUCTION EQUIPMENT OR MATERIALS SHALL BE STORED IN THIS 12 FOOT WIDE (MINIMUM) CLEAR AREA NOR SHALL ANY PILES OF DIRT OR EXCAVATED, MATERIALS BE LEFT IN THIS AREA.

**RESTORATION AND CLEAN-UP**

THE AREA OF THE COUNTY HIGHWAY RIGHT-OF-WAY DISTURBED BY CONSTRUCTION OPERATIONS SHALL BE KEPT TO A MINIMUM AND SHALL BE RESTORED AS PROMPTLY AS WEATHER AND SOIL CONDITIONS PERMIT. IF RESTORATION IS NOT ACCOMPLISHED VOLUNTARILY, THE LAKE COUNTY DIVISION OF TRANSPORTATION MAY SET A FINAL DATE FOR THE COMPLETION OF THE RESTORATION WORK.

TURF AREAS OF THE RIGHT-OF-WAY DISTURBED BY CONSTRUCTION OPERATIONS SHALL BE COMPACTED AND REGRADED TO AN EQUAL OR BETTER CONDITION THAN EXISTED BEFORE CONSTRUCTION. ALSO AN AVERAGE 3-INCH DEPTH OF TOPSOIL, FERTILIZER, SEED AND MULCH SHALL BE USED. HYDRO SEEDING IS ALSO ACCEPTABLE. SOD SHALL BE USED IN HIGH EROSION AREAS. THIS RESTORATION WORK WILL NOT BE CONSIDERED COMPLETED UNTIL THE TURF COVER IS ESTABLISHED.

GRAVEL AND PAVED SHOULDERS THAT ARE DAMAGED SHALL BE REPLACED AS DIRECTED BY THE LAKE COUNTY DIVISION OF TRANSPORTATION. DRIVEWAYS, SIDE ROADS AND OTHER ACCESSES, WHICH ARE DAMAGED, SHALL BE RESTORED WITH SIMILAR MATERIALS AND THICKNESS. THE EDGES OF EXCAVATED PAVED SURFACES SHALL BE SAWCUT PRIOR TO REPAIR. CULVERTS, STORM SEWER SYSTEMS AND OTHER DRAINAGE FACILITIES INCLUDING DITCHES LINES SHALL BE CLEANED OF SILTATION AND DEBRIS DUE TO THE CONSTRUCTION OPERATIONS. OTHER AREAS OF THE RIGHT-OF-WAY THAT HAVE BEEN DISTURBED SUCH AS CURB AND GUTTERS SHALL BE RESTORED WITH SIMILAR MATERIALS.

ANY DAMAGED PROPERTY OF THE COUNTY OF LAKE, ITS DIVISION OF TRANSPORTATION, OR OF OTHERS (INCLUDING UTILITY COMPANIES) SHALL BE REPAIRED OR REPLACED OR THE OWNER OF THE DAMAGED PROPERTY SHALL BE REIMBURSED FOR THE NECESSARY COSTS TO REPAIR THE DAMAGE.

FILE NAME = 4370.120-DT1.dwg
USER NAME = DOMINIC OLESAK
PLOT SCALE = 1" = .1667'
PLOT DATE = 2/14/2022 9:45 AM

DESIGNED - MGFC	REVISED -
DRAWN - PJS	REVISED -
CHECKED - MGFC	REVISED -
DATE - 2/11/2022	REVISED -

DESIGNED - MGFC	REVISED -
DRAWN - PJS	REVISED -
CHECKED - MGFC	REVISED -
DATE - 2/11/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LCDOT GENERAL NOTES  
ITEP PEDESTRIAN PATH IMPROVEMENTS**

SCALE N.T.S. SHEET NO. 1 OF 1 SHEETS STA TO STA

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	4
CONTRACT #			61H66	
ILLINOIS FED. AID PROJECT				



SUMMARY OF QUANTITIES						CONSTRUCTION CODE	CONSTRUCTION CODE
						80% FEDERAL / 20% VILLAGE OF BARRINGTON	100% VILLAGE OF BARRINGTON
SP	*	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0028	0028
	*	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	171	171	
	*	20101100	TREE TRUNK PROTECTION	EACH	53	53	
	*	20101200	TREE ROOT PRUNING	EACH	53	53	
		20200100	EARTH EXCAVATION	CU YD	995	995	
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	149	149	
		20400800	FURNISHED EXCAVATION	CU YD	679	679	
		20800150	TRENCH BACKFILL	CU YD	92	92	
		21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	447	447	
		21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	4,552	4,552	
	*	25000210	SEEDING, CLASS 2A	ACRE	1	1	
	*	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	85	85	
	*	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	85	85	
	*	25100630	EROSION CONTROL BLANKET	SQ YD	4,552	4,552	
SP	*	25200200	SUPPLEMENTAL WATERING	UNIT	2	2	
		28100101	STONE RIPRAP, CLASS A1	SQ YD	5	5	
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	94	94	

SP - SPECIAL PROVISION      \* SPECIALTY ITEM





SUMMARY OF QUANTITIES						CONSTRUCTION CODE	CONSTRUCTION CODE
						80% FEDERAL / 20% VILLAGE OF BARRINGTON	100% VILLAGE OF BARRINGTON
SP	*	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0028	0028
		70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1	
		70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
		70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
	*	72000100	SIGN PANEL - TYPE 1	SQ FT	22	22	
	*	72900200	METAL POST - TYPE B	FOOT	30	30	
	*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	31	31	
	*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	492	492	
	*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	603	603	
	*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	933	933	
	*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	23	23	
		78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	133	133	
	*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	146	146	
	*	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	19	19	
SP	*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2	2	
SP	*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	458	458	
SP	*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	486	486	

SP - SPECIAL PROVISION

\* SPECIALTY ITEM



SUMMARY OF QUANTITIES						CONSTRUCTION CODE	CONSTRUCTION CODE
						80% FEDERAL / 20% VILLAGE OF BARRINGTON	100% VILLAGE OF BARRINGTON
SP	*	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0028	0028
SP	*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	62	62	
SP	*	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	71	71	
SP	*	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	170	170	
SP	*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	220	220	
SP	*	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2	2	
SP	*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12	12	
	*	87900200	DRILL EXISTING HANDHOLE	EACH	3	3	
SP	*	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4	4	
	*	89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	3	3	
SP	*	89500120	REMOVE EXISTING SERVICE INSTALLATION	EACH	1		1
	*	89502200	MODIFY EXISTING CONTROLLER	EACH	2	2	
SP	*	89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	2	2	
	*	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	420	420	
SP	*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2	2	
SP	*	89502376	REBUILD EXISTING HANDHOLE	EACH	1	1	
	*	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	4	4	

SP - SPECIAL PROVISION      \* SPECIALTY ITEM

SUMMARY OF QUANTITIES					CONSTRUCTION CODE	CONSTRUCTION CODE	
					80% FEDERAL / 20% VILLAGE OF BARRINGTON	100% VILLAGE OF BARRINGTON	
SP	*	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0028	0028
	*	A2002520	TREE, CARPINUS CAROLINIANA (AMERICAN HORNBEAM), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	11	11	
	*	A2004420	TREE, GINKGO BILOBA (GINKGO), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	6	6	
	*	A2006416	TREE, QUERCUS ALBA (WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	8	8	
	*	B2001116	TREE, CERCIS CANADENSIS (EASTERN REDBUD), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	3	3	
SP		X0322917	PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE	EACH	3	3	
SP		X0326337	DRAINAGE CONTROL STRUCTURE	EACH	1	1	
SP	*	X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1		1
SP	*	X1400326	RECTANGULAR RAPID FLASHING BEACON ASSEMBLY (COMPLETE)	EACH	2	2	
SP	*	X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1	1	
SP		X1700064	CLASS D PATCHES, TYPE I, 12 INCH SPECIAL	SQ YD	19	19	
SP		X2010510	CLEARING AND GRUBBING	L SUM	1	1	
SP		X4420828	CLASS D PATCHES, TYPE III, 12 INCH (SPECIAL)	SQ YD	64	64	
SP		X4421790	CLASS D PATCHES, TYPE II, 12 INCH (SPECIAL)	SQ YD	20	20	
SP		X4421791	CLASS D PATCHES, TYPE IV, 12 INCH (SPECIAL)	SQ YD	42	42	
SP	*	X7240500	RELOCATE EXISTING SIGNS	EACH	13	13	
SP	*	X8140238	REBUILD EXISTING DOUBLE HANDHOLE	EACH	2	2	

SP - SPECIAL PROVISION

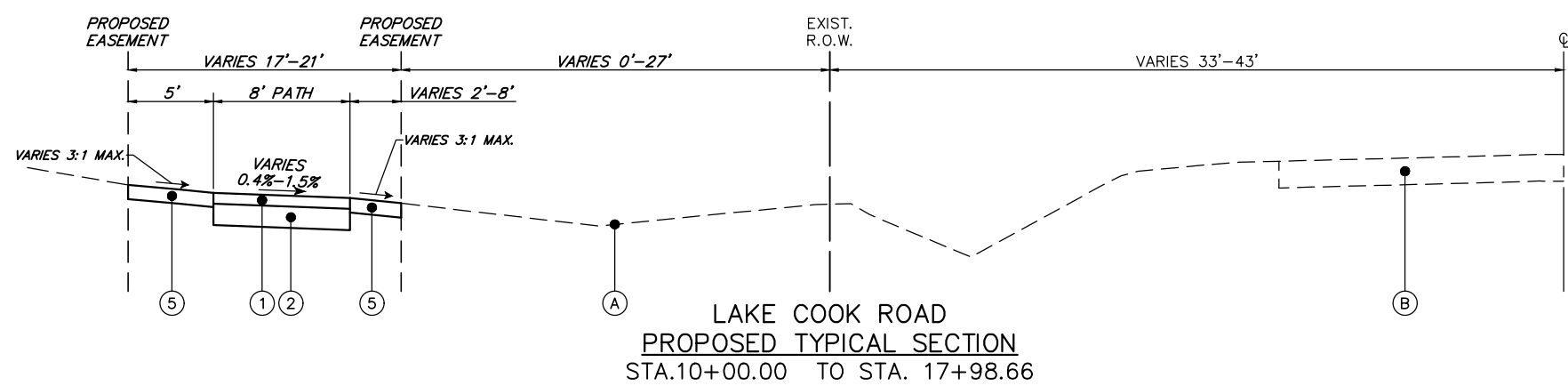
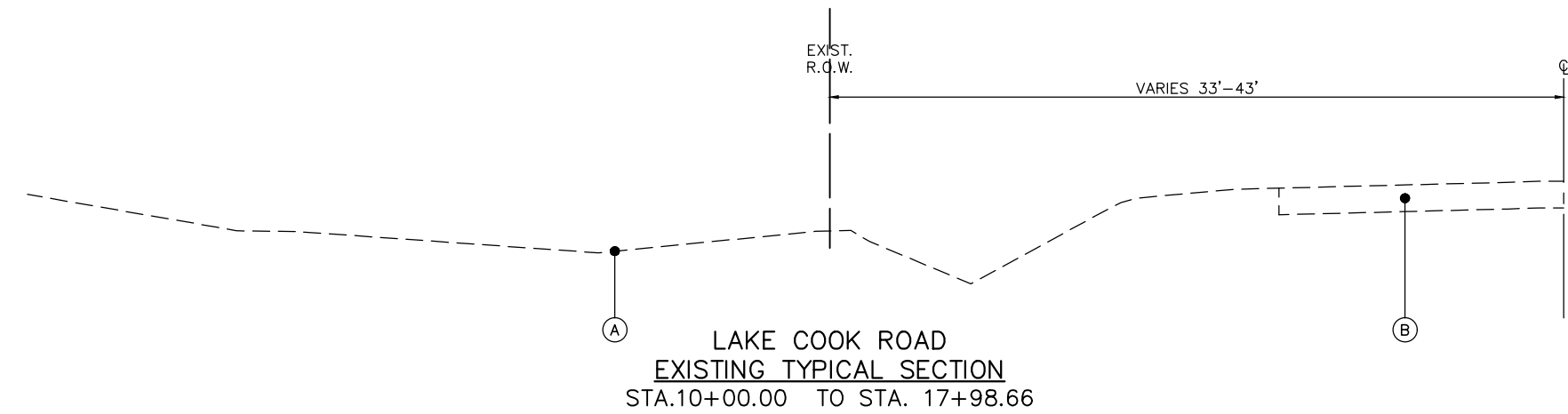
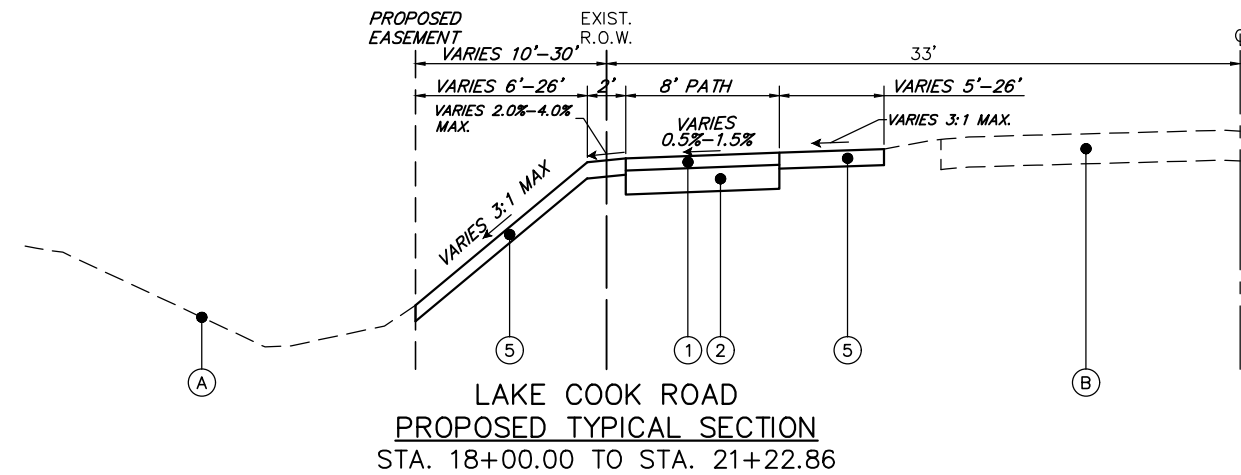
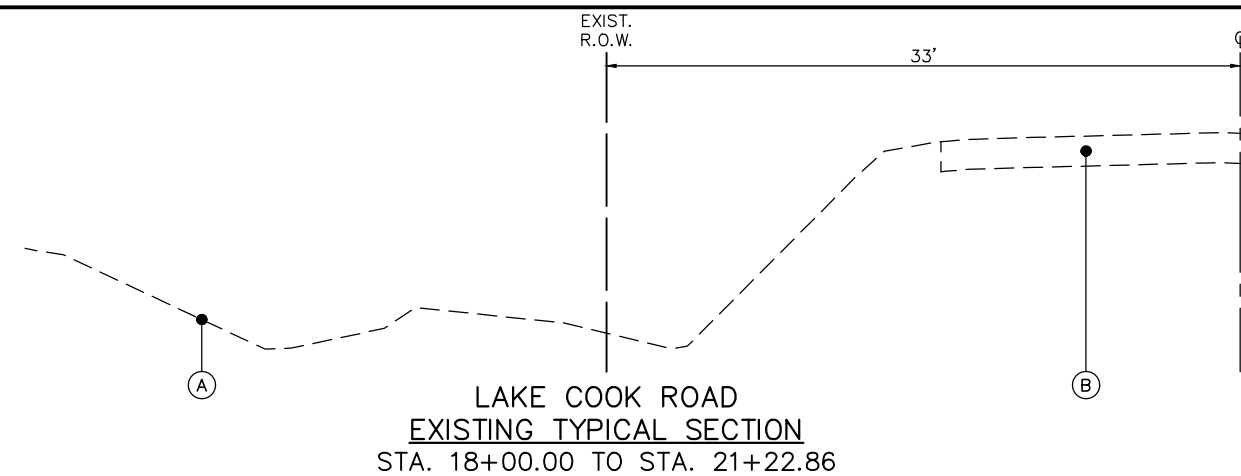
\* SPECIALTY ITEM

SUMMARY OF QUANTITIES					CONSTRUCTION CODE	CONSTRUCTION CODE	
					80% FEDERAL / 20% VILLAGE OF BARRINGTON	100% VILLAGE OF BARRINGTON	
SP	*	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0028	0028
SP	*	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4	4	
SP	*	X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4	4	
		Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
SP		Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	3	3	
SP		Z0018700	DRAINAGE STRUCTURE TO BE REMOVED	EACH	8	8	
SP		Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	77	77	
SP	*	Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	2	2	
SP		Z0042300	PORTLAND CEMENT CONCRETE SIDEWALK CURB	FOOT	98	98	
SP		Z0056642	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 6"	FOOT	44	44	
SP		Z0056648	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	292	292	
△	SP	Z0076600	TRAINEES	HOUR	500	500	
△	SP	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500	
SP	*	XX007149	EXISTING GATE TO BE RELOCATED	EACH	1	1	

SP - SPECIAL PROVISION

\* SPECIALTY ITEM

△ 0042



**TYPICAL CROSS SECTION LEGEND**

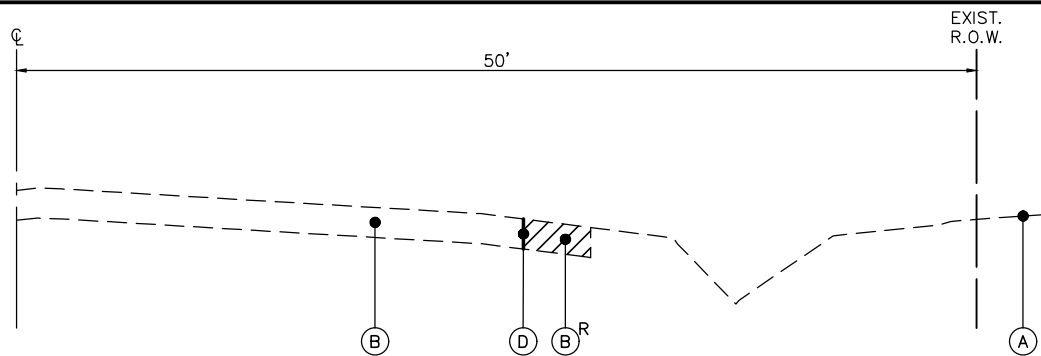
- (A) EXISTING GROUND
- (B) EXISTING HMA PAVEMENT
- (C) EXISTING COMBINATION CURB AND GUTTER
- (D) PAVEMENT SAWCUT
- (R) ITEM TO BE REMOVED
- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 3"
- (2) SUBBASE GRANULAR MATERIAL, TYPE B 6"
- (3) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (5) TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 2A EROSION CONTROL BLANKET

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
<b>PEDESTRIAN PATH</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 3" (IN 2 LIFTS)	4% @ 50 GYR	LR1030-2
<b>CLASS D PATCHES, 12 INCH (SPECIAL)</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 2"	4% @ 70 GYR	LR1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 10"	4% @ 70 GYR	LR1030-2

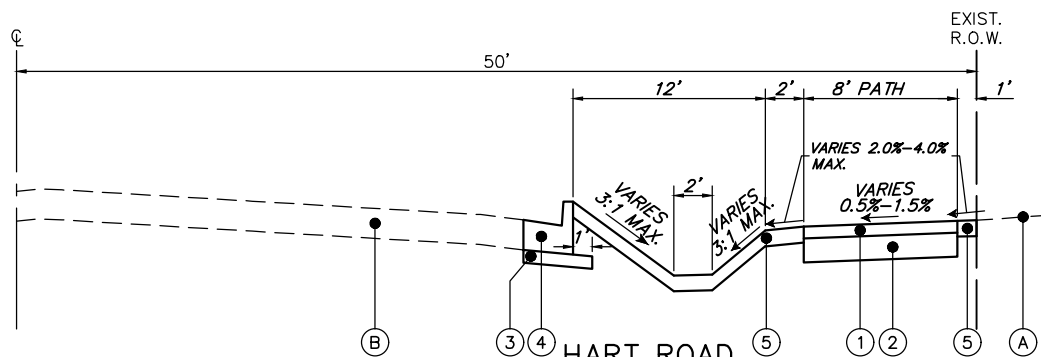
THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ.YD./IN.

THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

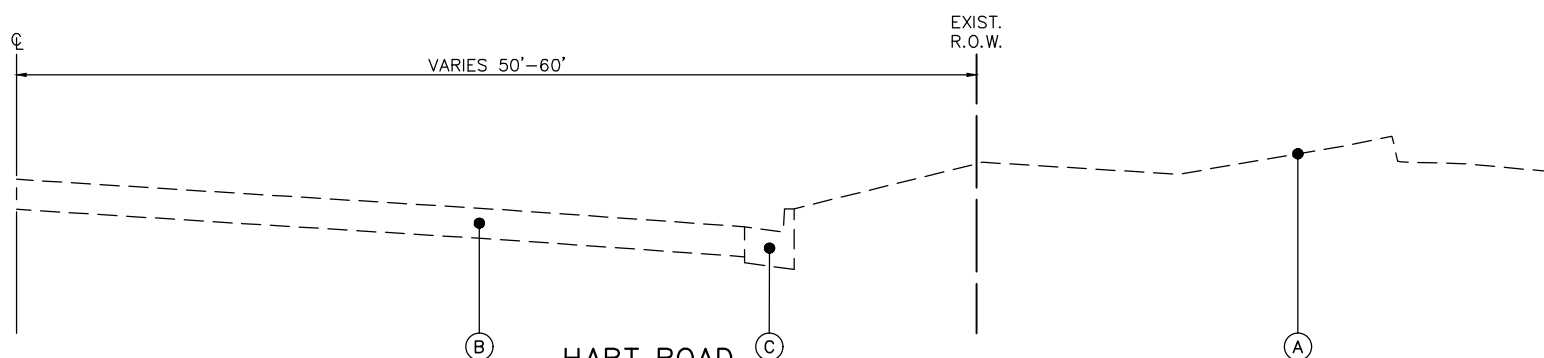




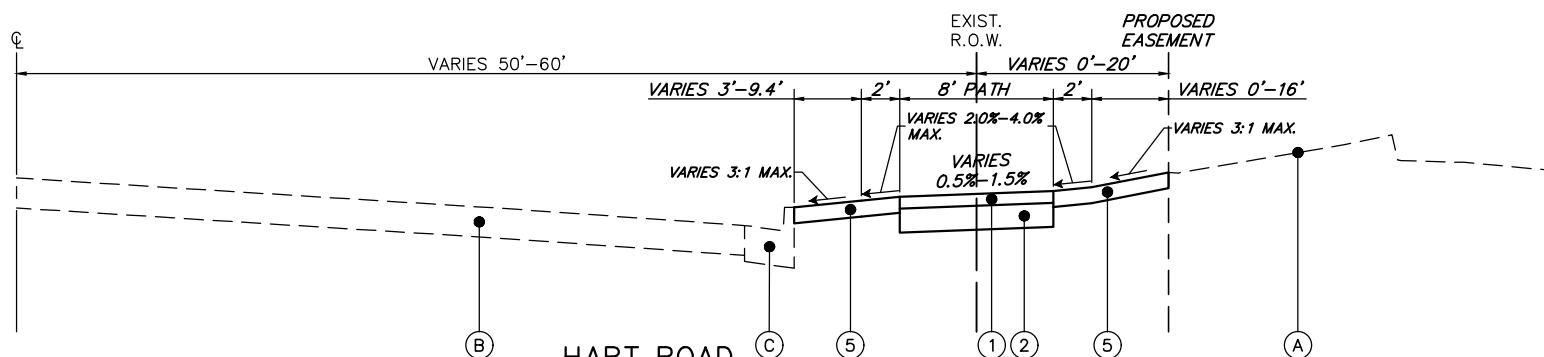
HART ROAD  
EXISTING TYPICAL SECTION  
STA. 40+32.80 TO STA. 42+85.30



HART ROAD  
PROPOSED TYPICAL SECTION  
STA. 40+32.80 TO STA. 42+85.30



HART ROAD  
EXISTING TYPICAL SECTION  
STA. 30+00.00 TO STA. 40+32.80



HART ROAD  
PROPOSED TYPICAL SECTION  
STA. 30+00.00 TO STA. 40+32.80

**TYPICAL CROSS SECTION LEGEND**

- (A) EXISTING GROUND
- (B) EXISTING HMA PAVEMENT
- (C) EXISTING COMBINATION CURB AND GUTTER
- (D) PAVEMENT SAWCUT
- (R) ITEM TO BE REMOVED
- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 3"
- (2) SUBBASE GRANULAR MATERIAL, TYPE B 6"
- (3) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (5) TOPSOIL FURNISH AND PLACE, 4"  
SEEDING, CLASS 2A  
EROSION CONTROL BLANKET

FILE NAME = 4370.120-PR1.dwg

USER NAME = DOMINIC OLESAK

DESIGNED - MGFC

REVISED -

DRAWN - PJS

REVISED -

PLOT SCALE = 1" = .1667'

CHECKED - MGFC

REVISED -

PLOT DATE = 2/14/2022 9:46 AM

DATE - 2/11/2022

REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS  
ITEP PEDESTRIAN PATH IMPROVEMENTS**

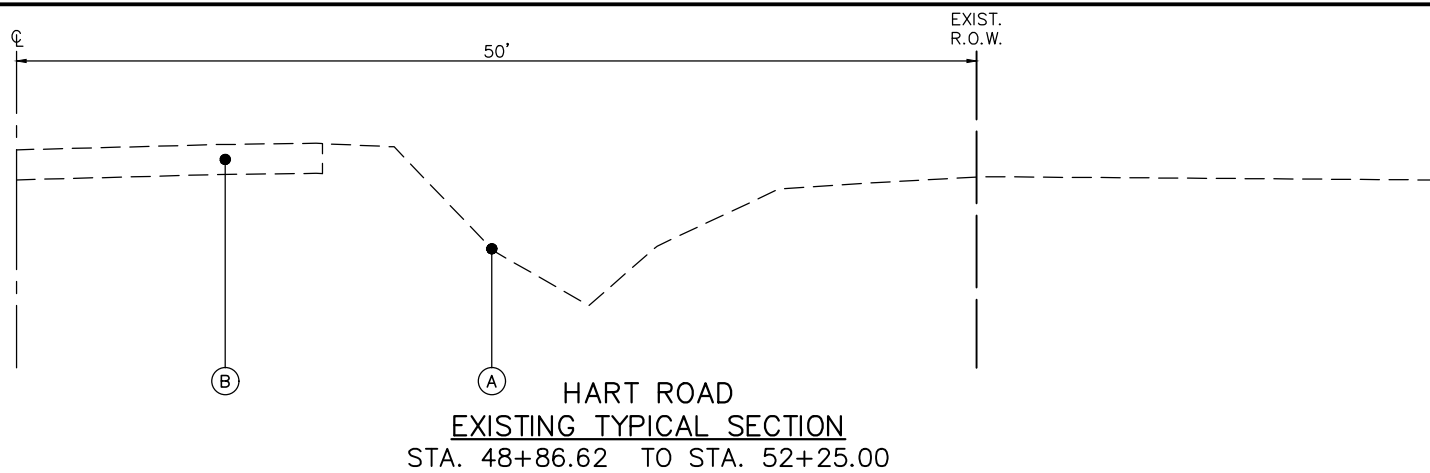
SCALE N.T.S.

SHEET NO. 2 OF 4 SHEETS

STA. TO STA.

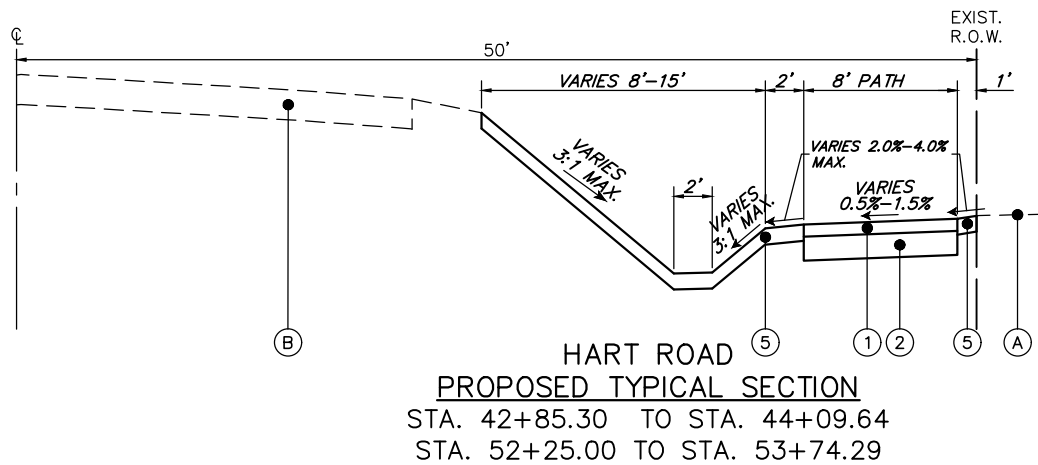
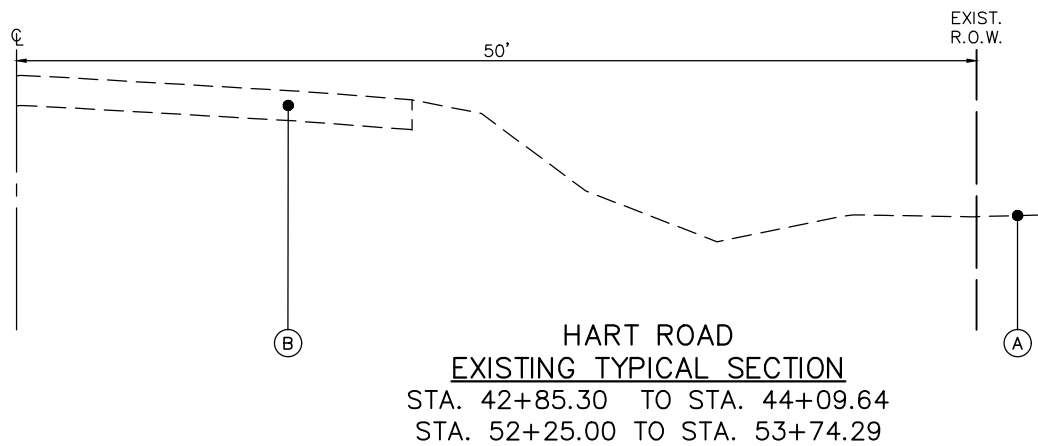
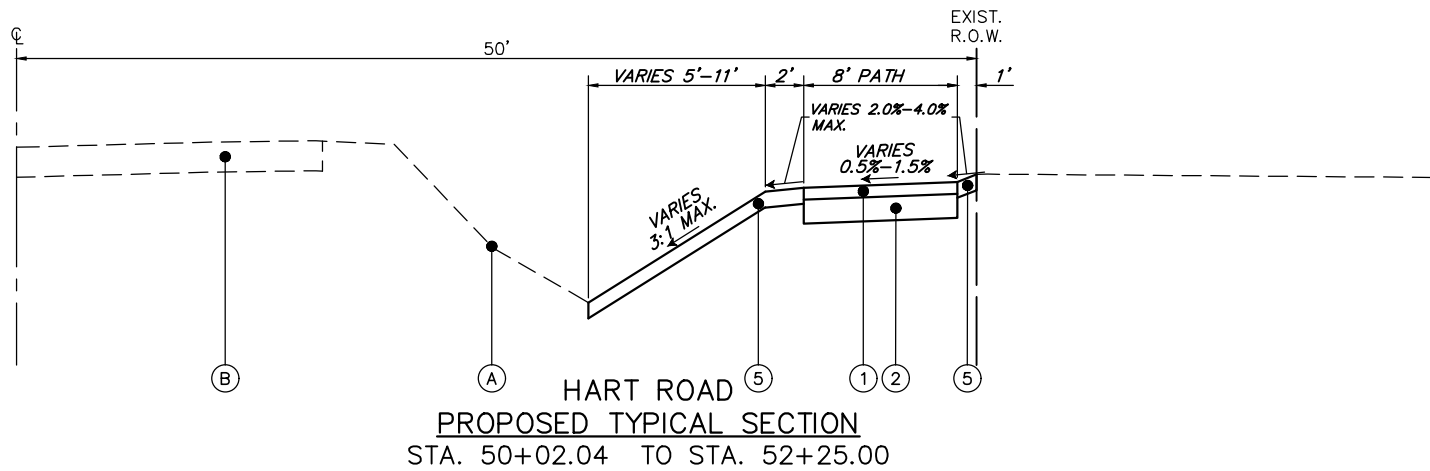
FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	13
CONTRACT #			61H66	

ILLINOIS FED. AID PROJECT



**TYPICAL CROSS SECTION LEGEND**

- (A) EXISTING GROUND
- (B) EXISTING HMA PAVEMENT
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- (D) PAVEMENT SAWCUT
- (R) ITEM TO BE REMOVED
- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 3"
- (2) SUBBASE GRANULAR MATERIAL, TYPE B 6"
- (3) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (5) TOPSOIL FURNISH AND PLACE, 4"  
SEEDING, CLASS 2A  
EROSION CONTROL BLANKET



NOTE: STA. 53+50.00 MAX SLOPE FROM PATH TO DITCH BOTTOM IS 2:1

FILE NAME = 4370.120-PR1.dwg

USER NAME = DOMINIC OLESAK

DESIGNED - MGFC

REVISED -

DRAWN - PJS

REVISED -

PLOT SCALE = 1" = .1667'

CHECKED - MGFC

REVISED -

PLOT DATE = 2/14/2022 9:47 AM

DATE - 2/11/2022

REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS  
ITEP PEDESTRIAN PATH IMPROVEMENTS**

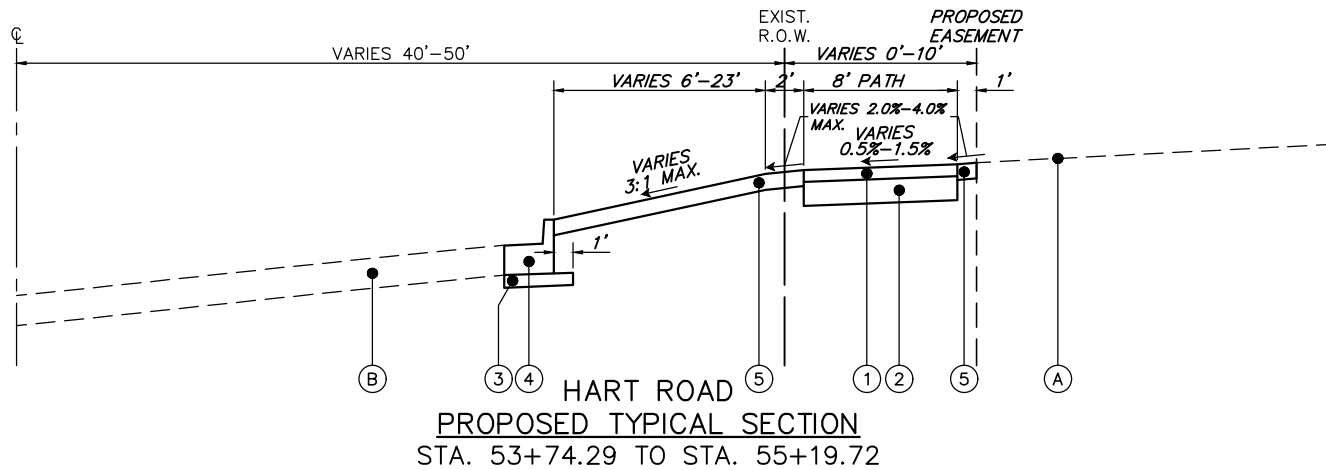
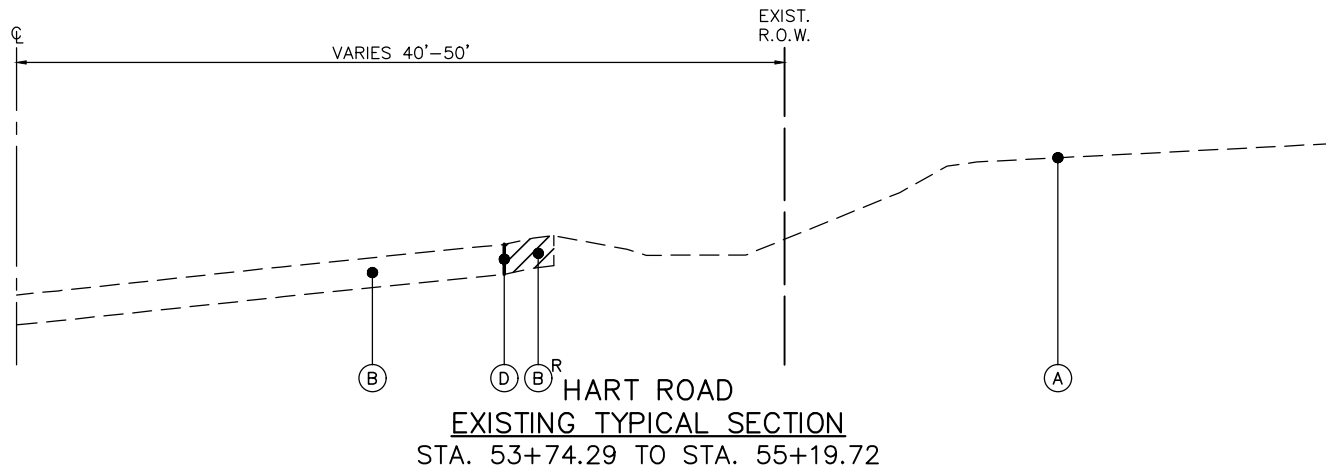
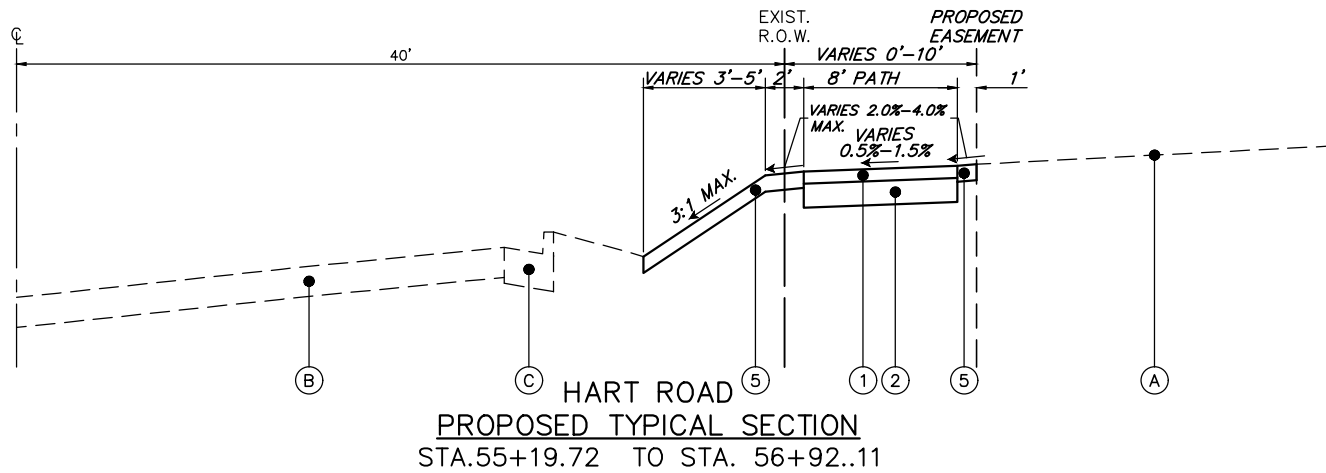
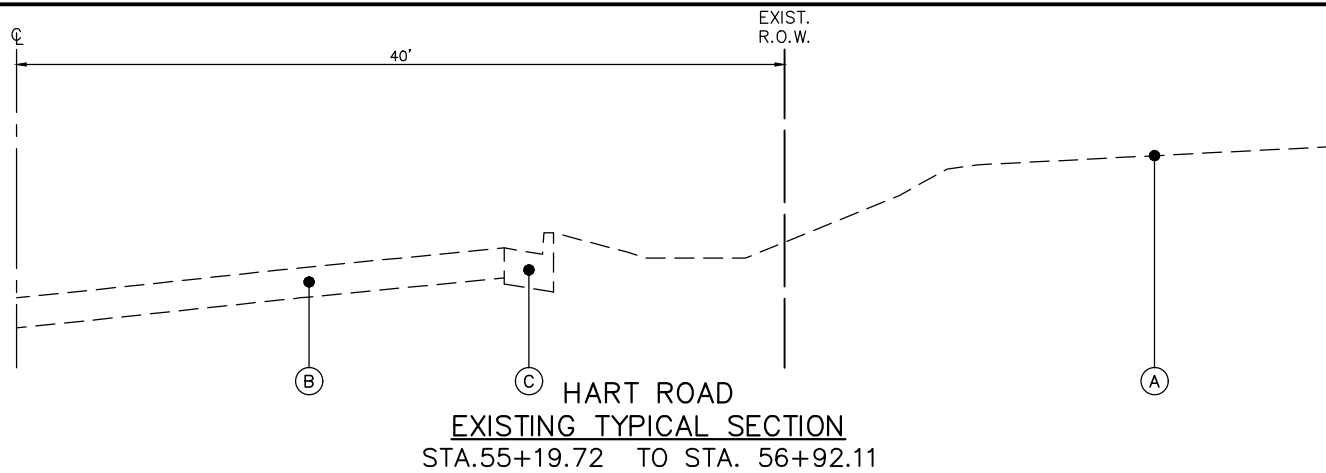
SCALE N.T.S.

SHEET NO. 3 OF 4 SHEETS

STA. TO STA.

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	14
CONTRACT #			61H66	

ILLINOIS FED. AID PROJECT



**TYPICAL CROSS SECTION LEGEND**

- (A) EXISTING GROUND
- (B) EXISTING HMA PAVEMENT
- (C) EXISTING COMBINATION CURB AND GUTTER
- (D) PAVEMENT SAWCUT
- (B<sup>R</sup>) ITEM TO BE REMOVED
- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 3"
- (2) SUBBASE GRANULAR MATERIAL, TYPE B 6"
- (3) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (5) TOPSOIL FURNISH AND PLACE, 4" SEEDING, CLASS 2A EROSION CONTROL BLANKET

FILE NAME = 4370.120-PR1.dwg  
USER NAME = DOMINIC OLESAK  
PLOT SCALE = 1" = .1667'  
PLOT DATE = 2/14/2022 9:47 AM

DESIGNED - MGFC  
DRAWN - PJS  
CHECKED - MGFC  
DATE - 2/11/2022

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS  
ITEP PEDESTRIAN PATH IMPROVEMENTS**

SCALE N.T.S. SHEET NO. 4 OF 4 SHEETS STA. TO STA.

FALL RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	15
CONTRACT #			61H66	
ILLINOIS FED. AID PROJECT				









STATION	DISTANCE	EARTH EXCAVATION END AREAS (SQ FT)		EARTH EXCAVATION AVERAGE END AREA (SQ FT)		EARTH EXCAVATION SECTION VOLUMES (CU YD)		EARTH EXCAVATION CUMULATIVE VOLUMES (CU YD)		CUMULATIVE EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	ADJUSTED EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (15%) (CU YD)
		CUT	FILL	CUT	FILL	CUT	FILL	CUT	FILL		
9+75.00		0.00	0.00								
10+00.00	25.00	6.37	0.00	3.19	0.00	2.95	0.00	2.95	0.00	2.95	2.51
10+25.00	25.00	6.44	0.00	6.41	0.00	5.93	0.00	8.88	0.00	8.88	7.55
10+50.00	25.00	8.07	0.00	7.26	0.00	6.72	0.00	15.60	0.00	15.60	13.26
10+75.00	25.00	8.23	0.00	8.15	0.00	7.55	0.00	23.14	0.00	23.14	19.67
11+00.00	25.00	7.35	0.00	7.79	0.00	7.21	0.00	30.36	0.00	30.36	25.80
11+25.00	25.00	9.63	0.00	8.49	0.00	7.86	0.00	38.22	0.00	38.22	32.48
11+50.00	25.00	9.91	0.00	9.77	0.00	9.05	0.00	47.26	0.00	47.26	40.17
11+75.00	25.00	8.98	0.00	9.45	0.00	8.75	0.00	56.01	0.00	56.01	47.61
12+00.00	25.00	8.09	0.00	8.54	0.00	7.90	0.00	63.91	0.00	63.91	54.33
12+25.00	25.00	9.05	0.00	8.57	0.00	7.94	0.00	71.85	0.00	71.85	61.07
12+50.00	25.00	8.57	0.00	8.81	0.00	8.16	0.00	80.00	0.00	80.00	68.00
12+75.00	25.00	6.97	0.00	7.77	0.00	7.19	0.00	87.20	0.00	87.20	74.12
13+00.00	25.00	7.83	0.00	7.40	0.00	6.85	0.00	94.05	0.00	94.05	79.94
13+25.00	25.00	7.47	0.00	7.65	0.00	7.08	0.00	101.13	0.00	101.13	85.96
13+50.00	25.00	9.52	0.00	8.50	0.00	7.87	0.00	109.00	0.00	109.00	92.65
13+75.00	25.00	10.64	0.00	9.78	0.00	9.06	0.00	118.06	0.00	118.06	100.35
14+00.00	25.00	9.86	0.00	9.95	0.00	9.21	0.00	127.27	0.00	127.27	108.18
14+25.00	25.00	9.30	0.00	9.58	0.00	8.87	0.00	136.14	0.00	136.14	115.72
14+50.00	25.00	9.64	0.00	9.47	0.00	8.77	0.00	144.91	0.00	144.91	123.17
14+75.00	25.00	7.99	0.00	8.82	0.00	8.16	0.00	153.07	0.00	153.07	130.11
15+00.00	25.00	7.95	0.00	7.97	0.00	7.38	0.00	160.45	0.00	160.45	135.38
15+25.00	25.00	4.79	0.06	6.37	0.03	5.90	0.03	166.35	0.03	166.32	141.40
15+50.00	25.00	5.68	0.00	5.24	0.03	4.85	0.03	171.19	0.06	171.14	145.52
15+75.00	25.00	4.60	0.05	5.14	0.03	4.76	0.02	175.95	0.08	175.88	149.56
16+00.00	25.00	7.28	0.00	5.94	0.03	5.50	0.02	181.45	0.10	181.35	154.24
16+25.00	25.00	7.85	0.00	7.57	0.00	7.00	0.00	188.46	0.10	188.36	160.19
16+50.00	25.00	7.67	0.00	7.75	0.00	7.19	0.00	195.64	0.10	195.54	166.30
16+75.00	25.00	7.76	0.00	7.72	0.00	7.14	0.00	202.79	0.10	202.69	172.37
17+00.00	25.00	6.80	0.00	7.28	0.00	6.74	0.00	209.53	0.10	209.43	178.10
17+25.00	25.00	5.45	0.00	6.13	0.00	5.67	0.00	215.20	0.10	215.10	182.92
17+50.00	25.00	7.15	0.00	6.30	0.00	5.83	0.00	221.03	0.10	220.93	187.88
17+75.00	25.00	8.48	0.00	7.82	0.00	7.24	0.00	228.27	0.10	228.17	194.03
18+00.00	25.00	5.36	0.00	6.92	0.00	6.41	0.00	234.68	0.10	234.57	199.47
18+25.00	25.00	0.34	2.13	2.85	1.07	2.64	0.99	237.31	1.09	236.22	201.72
18+50.00	25.00	0.45	54.11	0.40	28.12	0.37	25.04	237.68	27.13	210.56	202.03
18+75.00	25.00	0.40	25.81	0.43	40.46	0.39	37.46	238.07	64.59	173.49	202.36
19+00.00	25.00	0.45	29.41	0.43	28.11	0.39	26.03	238.47	90.62	147.85	202.70
19+25.00	25.00	0.41	31.83	0.43	30.62	0.40	28.35	238.87	118.97	119.90	203.04
19+50.00	25.00	0.40	32.94	0.41	32.39	0.38	29.99	239.24	148.95	90.29	203.35
19+75.00	25.00	0.44	30.86	0.42	31.90	0.39	29.54	239.63	178.49	61.14	203.69
20+00.00	25.00	0.45	28.15	0.45	29.51	0.41	27.32	240.04	205.81	34.23	204.04
20+25.00	25.00	0.61	20.17	0.53	24.16	0.49	22.37	240.53	228.18	12.35	204.45
20+50.00	25.00	0.62	11.58	0.62	15.88	0.57	14.70	241.10	242.88	-1.78	204.94
20+75.00	25.00	3.80	3.95	2.21	7.77	2.05	7.19	243.15	250.07	6.92	206.68
21+00.00	25.00	6.68	0.26	5.24	2.11	4.85	1.95	248.00	252.02	-4.02	210.80
21+25.00	25.00	0.00	0.00	3.34	0.13	3.09	0.12	251.09	252.14	-1.05	213.43
21+50.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	251.09	252.14	-1.05	213.43
21+75.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00	251.09	252.14	-1.05	213.43
22+00.00	25.00	7.03	0.00	3.52	0.00	3.25	0.00	254.35	252.14	2.21	216.20
22+25.00	25.00	0.00	0.00	3.57	0.00	3.25	0.00	257.60	252.14	5.46	218.96

FILE NAME = 4370.120-DT1.dwg

USER NAME = DOMINIC OLESAK

DESIGNED - MGFC

REVISED -

DRAWN - PJS

REVISED -

PLOT SCALE = 1" = .1667'

CHECKED - MGFC

REVISED -

PLOT DATE = 2/14/2022 9:47 AM

DATE - 2/11/2022

REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAIN STREET EARTHWORK SCHEDULE  
ITEP PEDESTRIAN PATH IMPROVEMENTS

SCALE N.T.S.

SHEET NO. 1 OF 2 SHEETS

STA. TO STA.

FAU  
RTE  
2549  
1270

SECTION

13-00091-00-BT

COUNTY

LAKE

TOTAL SHEETS

115

SHEET NO.

19

CONTRACT # 61H66

ILLINOIS FED. AID PROJECT





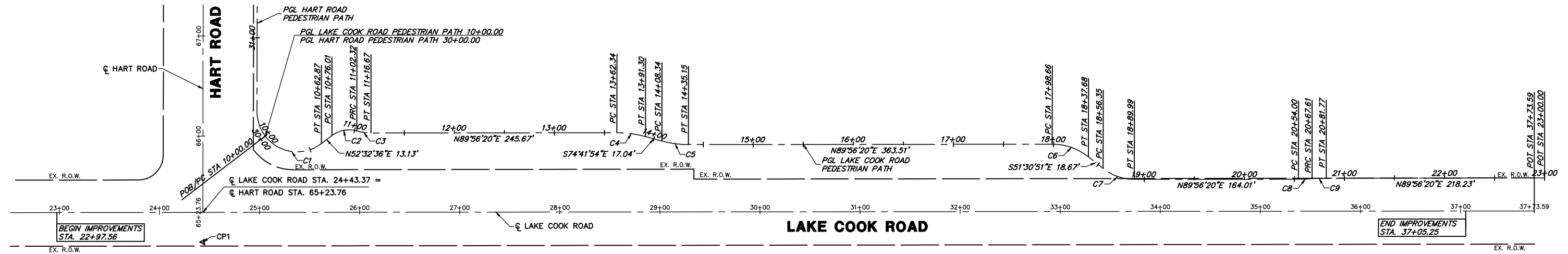
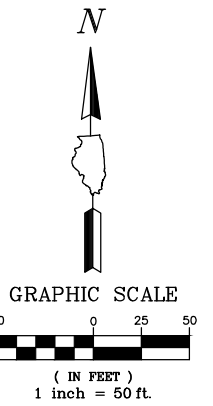
**BENCHMARK:**  
 SOURCE BENCHMARK: (BM 151)  
 BRASS DISK MONUMENT SET ON TOP OF WINGWALL AT NORTH END OF HEADWALL OF BRIDGE CROSSING FLINT CREEK ON EAST SIDE OF RAYMOND AVENUE.  
 ELEVATION: 806.20  
 DATUM: NAVD 88  
 (VILLAGE OF BARRINGTON BENCHMARK)

**CONTROL DISCLAIMER**

PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL CONTROL POINTS AT THE JOB SITE, IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTION FROM THE SURVEYOR PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSION OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTION, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE, IN THE EVENT OF ANY DOUBT OR QUESTION ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONTROL POINTS AND/OR BENCHMARKS.

ANY USER OF THIS CONTROL/BENCHMARKS HEREBY AGREES TO WAIVE ANY CLAIM AGAINST GEWALT HAMILTON ASSOCIATES, INC. (GHA) ARISING FROM ANY UNAUTHORIZED REUSE OR MODIFICATIONS OF THIS CONTROL/BENCHMARKS.

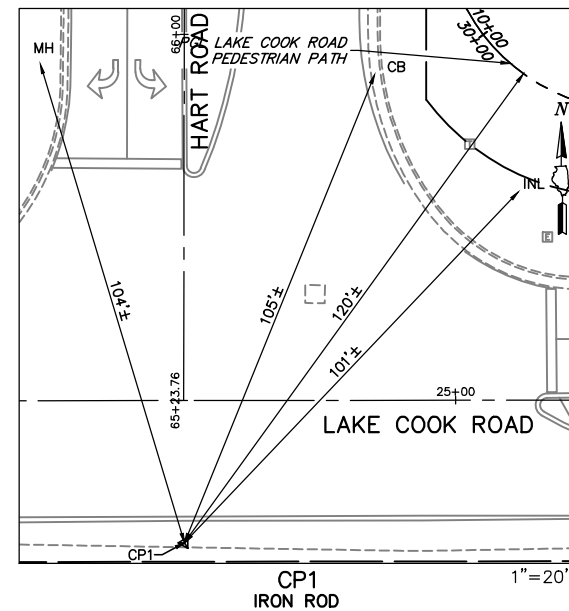
BY USING THIS DRAWING, YOU AGREE, IN ADDITION TO THE FULLEST EXTENT PERMITTED BY LAW, TO INDEMNIFY AND HOLD GHA HARMLESS FROM ANY DAMAGE, LIABILITY OR COST, INCLUDING REASONABLE ATTORNEY'S FEES AND COST OF DEFENSE, ARISING FROM ANY REUSE OR MODIFICATION OF THE CONTROL/BENCHMARKS BY YOURSELVES OR ANY PERSON OR ENTITY WHICH ACQUIRES OR OBTAINS THE DRAWINGS FROM OR THROUGH YOUR OFFICE WITHOUT THE PRIOR WRITTEN AUTHORIZATION OF GHA. GHA MAKES NO WARRANTIES, EITHER EXPRESS OR IMPLIED, OF THE MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE. IN NO EVENT SHALL GHA BE LIABLE FOR ANY LOSS OF PROFIT OR ANY DAMAGES AS A RESULT OF USING THIS DRAWING.



Description	Elevation	Station	Offset	Northing	Easting
CP1	799.78	10+11.70	120.46' RT	1998814.41	1033756.86

Curve #	PC STA.	PI STA.	PT STA.	Delta	Radius	Tangent	Length	Chord Length	Chord Direction
C1	10+00'	10+40.04	10+62.87	90°03'38"	40.00'	40.04'	62.87'	56.60'	S82°25'35"E
C2	10+76.01'	10+90.22	11+02.32	53°50'23"	28.00'	14.22'	26.31'	25.35'	N79°27'47"E
C3	11+02.32'	11+09.54	11+16.67	16°26'39"	50.00'	7.22'	14.35'	14.30'	S81°50'21"E
C4	13+62.34'	13+76.91	13+91.30	15°21'46"	108.00'	14.57'	28.96'	28.87'	S82°22'47"E
C5	14+08.34'	14+21.83	14+35.15	15°21'46"	100.00'	13.49'	26.81'	26.73'	S82°22'47"E
C6	17+98.66'	18+18.94	18+37.68	38°32'49"	58.00'	20.28'	39.02'	38.29'	S70°47'16"E
C7	18+56.35'	18+73.83	18+89.99	38°32'49"	50.00'	17.48'	33.64'	33.01'	S70°47'16"E
C8	20+54'	20+60.81	20+67.61	3°53'59"	200.00'	6.81'	13.61'	13.61'	N87°59'20"E
C9	20+67.61'	20+74.69	20+81.77	3°53'59"	208.00'	7.08'	14.16'	14.15'	N87°59'20"E

Description	Station	Northing	Easting
POB/PC	10+00.00	1998920.18	1033819.05
PI	10+40.04	1998888.37	1033843.37
PT	10+62.87	1998912.72	1033875.15
PC	10+76.01	1998920.71	1033885.58
PI	10+90.22	1998929.36	1033896.87
PRC	11+02.32	1998925.35	1033910.51
PI	11+09.54	1998923.31	1033917.44
PT	11+16.67	1998923.32	1033924.66
PC	13+62.34	1998923.58	1034170.33
PI	13+76.91	1998923.59	1034184.90
PT	13+91.30	1998919.75	1034198.95
PC	14+08.34	1998915.25	1034215.39
PI	14+21.83	1998911.69	1034228.40
PT	14+35.15	1998911.71	1034241.88
PC	17+98.66	1998912.10	1034605.39
PI	18+18.94	1998912.12	1034625.67
PT	18+37.68	1998899.50	1034641.55
PC	18+56.35	1998887.87	1034656.16
PI	18+73.83	1998877.00	1034669.85
PT	18+89.99	1998877.02	1034687.33
PC	20+54.00	1998877.19	1034851.34
PI	20+60.81	1998877.20	1034858.15
PRC	20+67.61	1998877.67	1034864.94
PI	20+74.69	1998878.16	1034872.00
PT	20+81.77	1998878.16	1034879.09
POT	23+00.00	1998878.40	1035097.32



FILE NAME = 4370.120-ADA.dwg

USER NAME = DOMINIC OLESAK

DESIGNED - MGFC

REVISED -

DRAWN - PJS

REVISED -

PLOT SCALE = 1" = .1667'

CHECKED - MGFC

REVISED -

PLOT DATE = 2/14/2022 9:49 AM

DATE - 2/11/2022

REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES AND BENCHMARK - LAKE COOK ROAD  
 ITEP PEDESTRIAN PATH IMPROVEMENTS**

SCALE 1"=50'

SHEET NO. 2 OF 3 SHEETS

STA. TO STA.

FALL RTE. 1276

SECTION 13-00091-00-BT

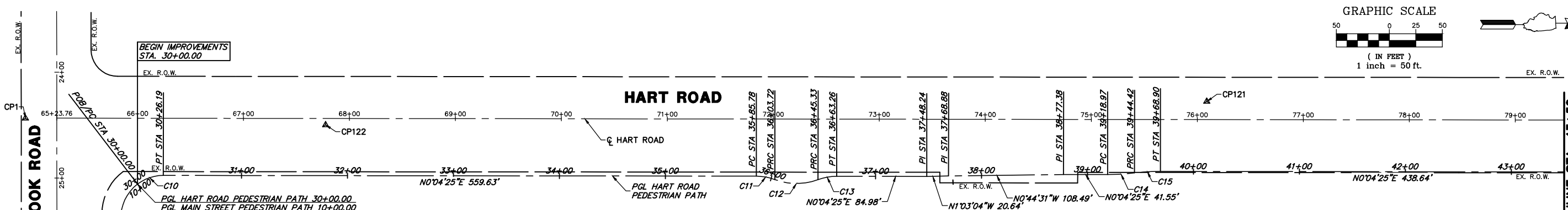
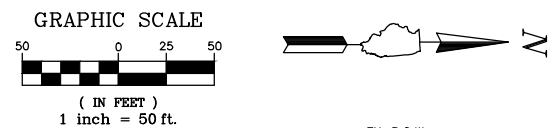
COUNTY LAKE

TOTAL SHEETS 115

SHEET NO. 21

CONTRACT # 61H61

ILLINOIS FED. AID PROJECT



**HART ROAD PEDESTRIAN PATH ALIGNMENT COORDINATE TABLE**

Description	Station	Northing	Easting
POB PC	30+00.00	1998920.18	1033819.05
PI	30+13.57	1998930.96	1033810.81
PT	30+26.16	1998944.53	1033810.83
PC	35+85.78	1999504.15	1033811.55
PI	35+94.85	1999513.22	1033811.56
PRC	36+03.72	1999521.70	1033814.75
PI	36+25.46	1999542.05	1033822.41
PRC	36+45.33	1999562.42	1033814.80
PI	36+54.39	1999570.91	1033811.63
PT	36+63.26	1999579.98	1033811.64
PI	37+48.24	1999664.95	1033811.75
PI	37+68.88	1999685.60	1033811.37
PI	38+77.38	1999794.08	1033809.97
PC	39+18.93	1999835.63	1033810.02
PI	39+31.67	1999848.37	1033810.04
PRC	39+44.38	1999861.02	1033808.50

**HART ROAD PEDESTRIAN PATH ALIGNMENT COORDINATE TABLE**

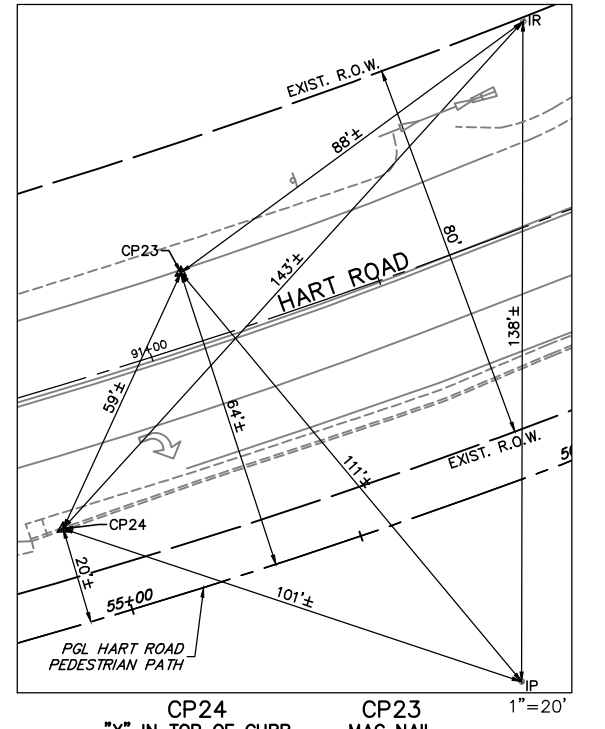
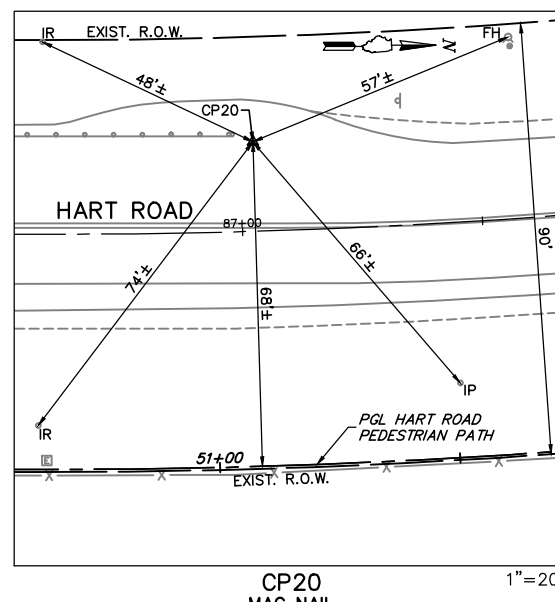
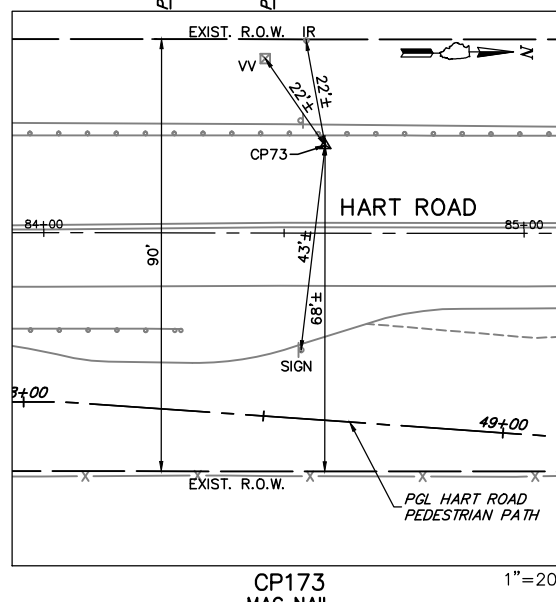
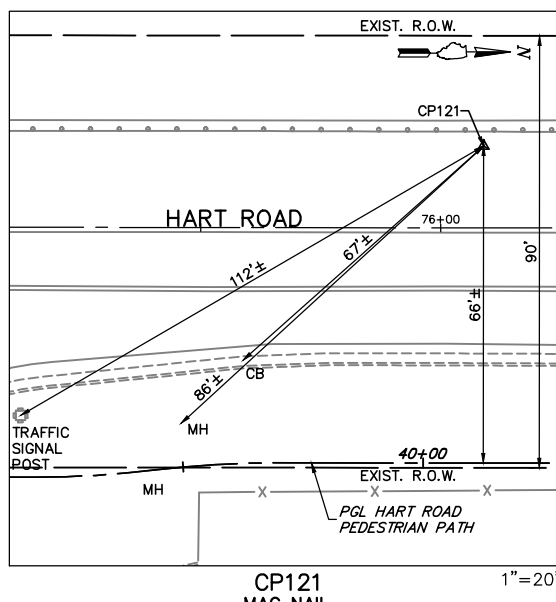
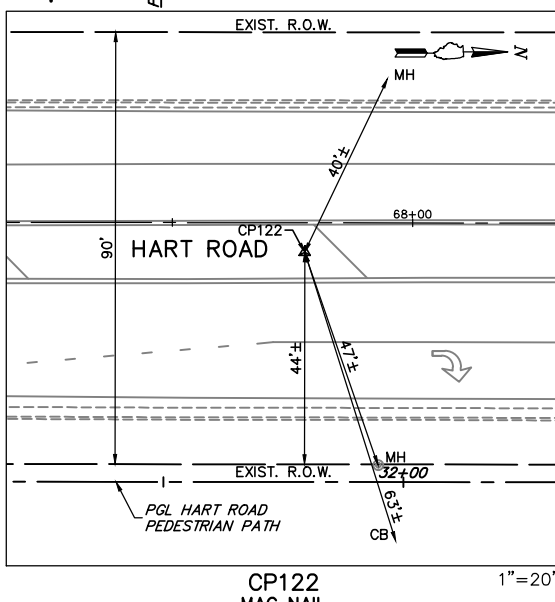
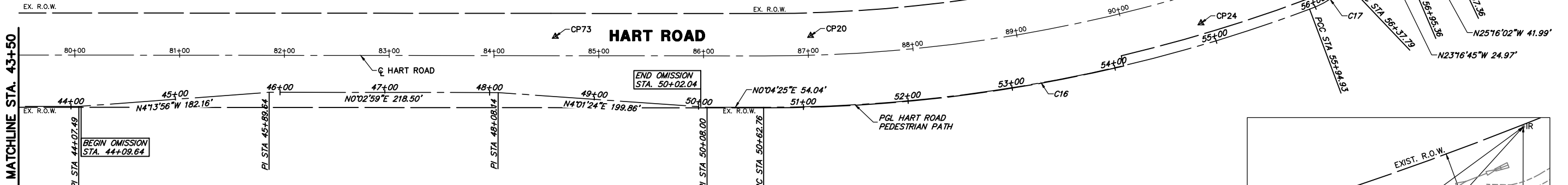
Description	Station	Northing	Easting
PI	39+56.63	1999873.18	1033807.02
PT	39+68.85	1999885.43	1033807.04
PI	44+07.49	2000324.07	1033807.60
PI	45+89.64	2000505.73	1033794.16
PI	48+08.14	2000724.23	1033794.35
PI	50+08.00	2000923.59	1033808.37
PC	50+62.05	2000977.64	1033808.44
PI	53+31.04	2001246.63	1033808.93
PCC	55+94.23	2001498.62	1033714.83
PI	56+16.31	2001519.30	1033707.10
PRC	56+37.79	2001535.30	1033691.88
PI	56+54.26	2001547.23	1033680.52
PT	56+70.39	2001562.37	1033674.01
PI	56+95.36	2001585.30	1033664.14
PI	57+37.36	2001623.28	1033646.22
POT	57+75.00	2001656.24	1033628.04

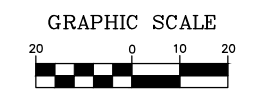
**HART ROAD PEDESTRIAN PATH ALIGNMENT CURVE TABLE**












Curve #	PC STA.	PI STA.	PT STA.	Delta	Radius	Tangent	Length	Chord Length	Chord Direction
C10	30+00'	30+13.57	30+26.16	37°28'10"	40.00'	13.57'	26.16'	25.69'	N18°39'40"W
C11	35+85.78'	35+94.85	36+03.72	20°33'05"	50.00'	9.06'	17.93'	17.84'	N10°20'57"E
C12	36+03.72'	36+25.46	36+45.33	41°06'11"	58.00'	21.74'	41.61'	40.72'	N0°04'25"E
C13	36+45.33'	36+54.39	36+63.26	20°33'05"	50.00'	9.06'	17.93'	17.84'	N10°12'08"W
C14	39+18.93'	39+31.67	39+44.38	7°00'40"	208.00'	12.74'	25.45'	25.44'	N3°25'55"W
C15	39+44.38'	39+56.63	39+68.85	7°00'40"	200.00'	12.25'	24.47'	24.46'	N3°25'55"W
C16	50+62.05'	53+31.04	55+94.23	20°34'59"	1481.41'	268.99'	532.18'	529.32'	N10°11'10"W
C17	55+94.23'	56+16.31	56+37.79	23°06'30"	108.00'	22.08'	43.56'	43.26'	N32°01'54"W
C18	56+37.79'	56+54.26	56+70.39	20°18'24"	92.00'	16.48'	32.61'	32.44'	N33°25'57"W

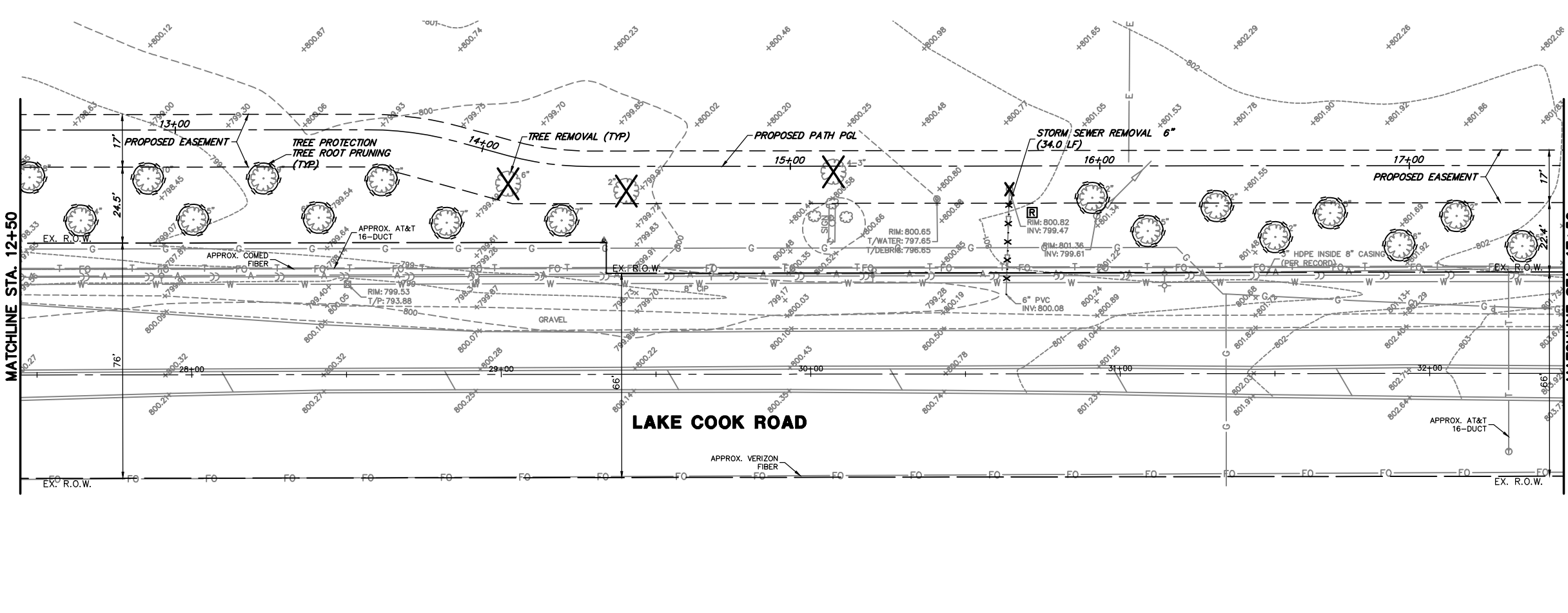
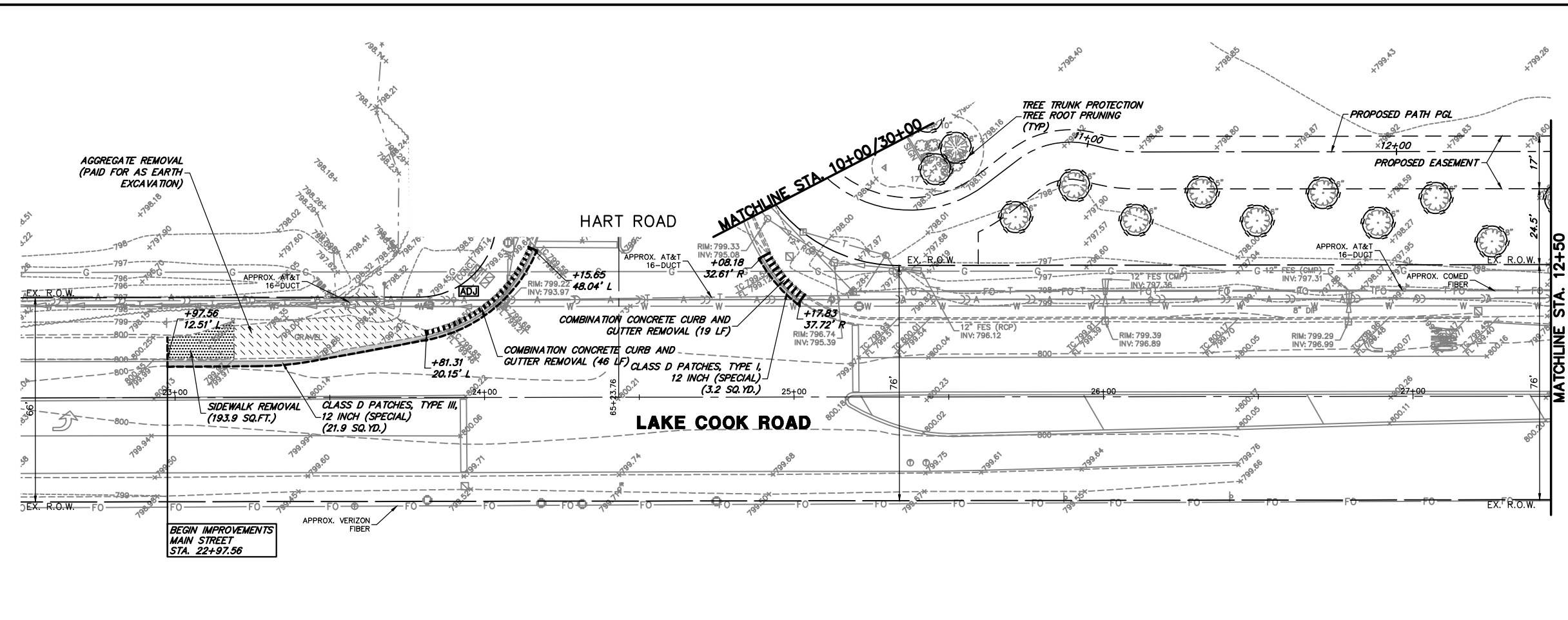
**Control Point Coordinate Table**

Description	Elevation	Station	Offset	Northing	Easting
CP122	799.85	31+79.36	47.85' LT	1999097.79	1033763.18
CP121	796.05	40+12.54	66.04' LT	1999929.21	1033741.05
CP73	801.65	48+58.85	57.13' LT	2000778.82	1033740.92
CP20	803.45	51+08.82	67.66' LT	2001022.39	1033740.15
CP24	807.08	54+90.95	20.26' LT	2001394.94	1033728.13
CP23	805.21	55+31.33	63.90' LT	2001419.45	1033674.82





- REMOVAL LEGEND**
-  PAVEMENT REMOVAL
  -  SIDEWALK REMOVAL
  -  AGGREGATE REMOVAL (PAID FOR AS EARTH EXCAVATION)
  -  CLASS D PATCHES, 12 INCH (SPECIAL)
  -  STRUCTURE TO BE ADJUSTED
  -  STRUCTURE TO BE REMOVED
  -  RELOCATE EXISTING SIGNS
  -  TREE REMOVAL
  -  TREE TRUNK PROTECTION  
TREE ROOT PRUNING
  -  COMBINATION CONCRETE CURB AND GUTTER REMOVAL
  -  UTILITY TO BE REMOVED



FILE NAME = 4370.120-PR1.dwg  
 USER NAME = DOMINIC OLESAK  
 PLOT SCALE = 1" = .1667'  
 PLOT DATE = 2/14/2022 11:02 AM

DESIGNED - MGFC  
 DRAWN - PJS  
 CHECKED - MGFC  
 DATE - 2/11/2022

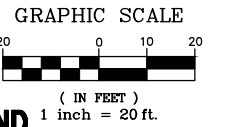
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

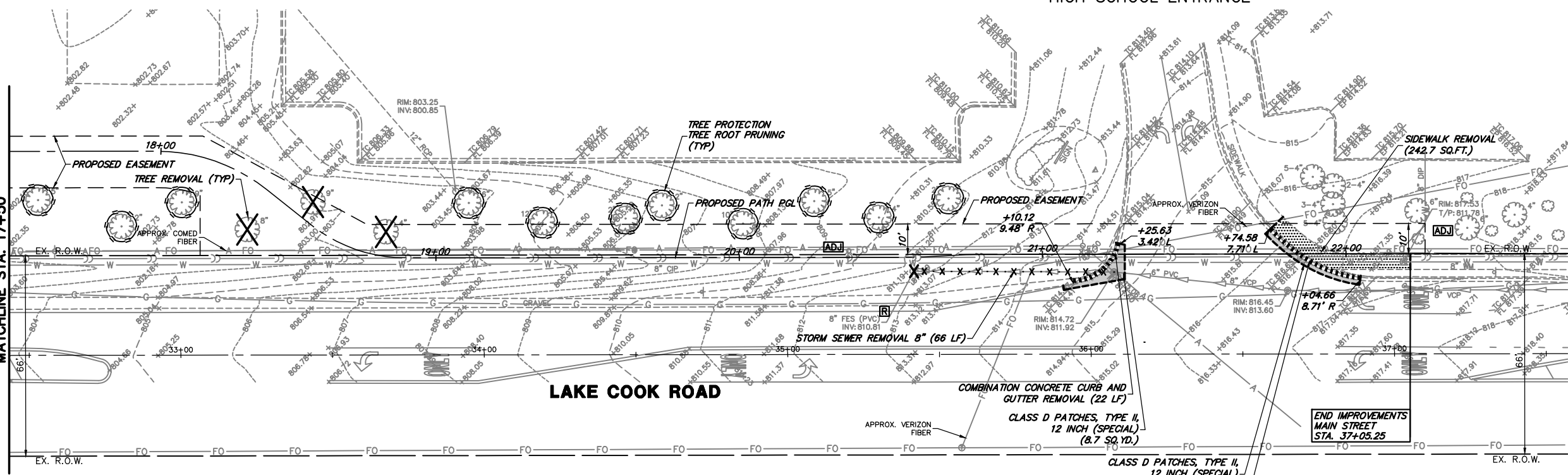
**EXISTING CONDITIONS / REMOVAL PLAN  
 ITEP PEDESTRIAN PATH IMPROVEMENTS**  
 SCALE 1"=20' SHEET NO. 1 OF 5 SHEETS STA. 10+00 TO STA. 17+50

FAU RFE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	23
CONTRACT #			61H66	
ILLINOIS FED. AID PROJECT				












HIGH SCHOOL ENTRANCE



MATCHLINE STA. 17+50



**REMOVAL LEGEND**

-  PAVEMENT REMOVAL
-  SIDEWALK REMOVAL
-  AGGREGATE REMOVAL (PAID FOR AS EARTH EXCAVATION)
-  CLASS D PATCHES, 12 INCH (SPECIAL)
-  STRUCTURE TO BE ADJUSTED
-  STRUCTURE TO BE REMOVED
-  RELOCATE EXISTING SIGNS
-  TREE REMOVAL
-  TREE TRUNK PROTECTION  
TREE ROOT PRUNING
-  COMBINATION CONCRETE CURB AND GUTTER REMOVAL
-  UTILITY TO BE REMOVED

FILE NAME = 4370.120-PR1.dwg  
 USER NAME = DOMINIC OLESAK  
 PLOT SCALE = 1" = .1667'  
 PLOT DATE = 2/14/2022 11:02 AM

DESIGNED - MGFC  
 DRAWN - PJS  
 CHECKED - MGFC  
 DATE - 2/11/2022

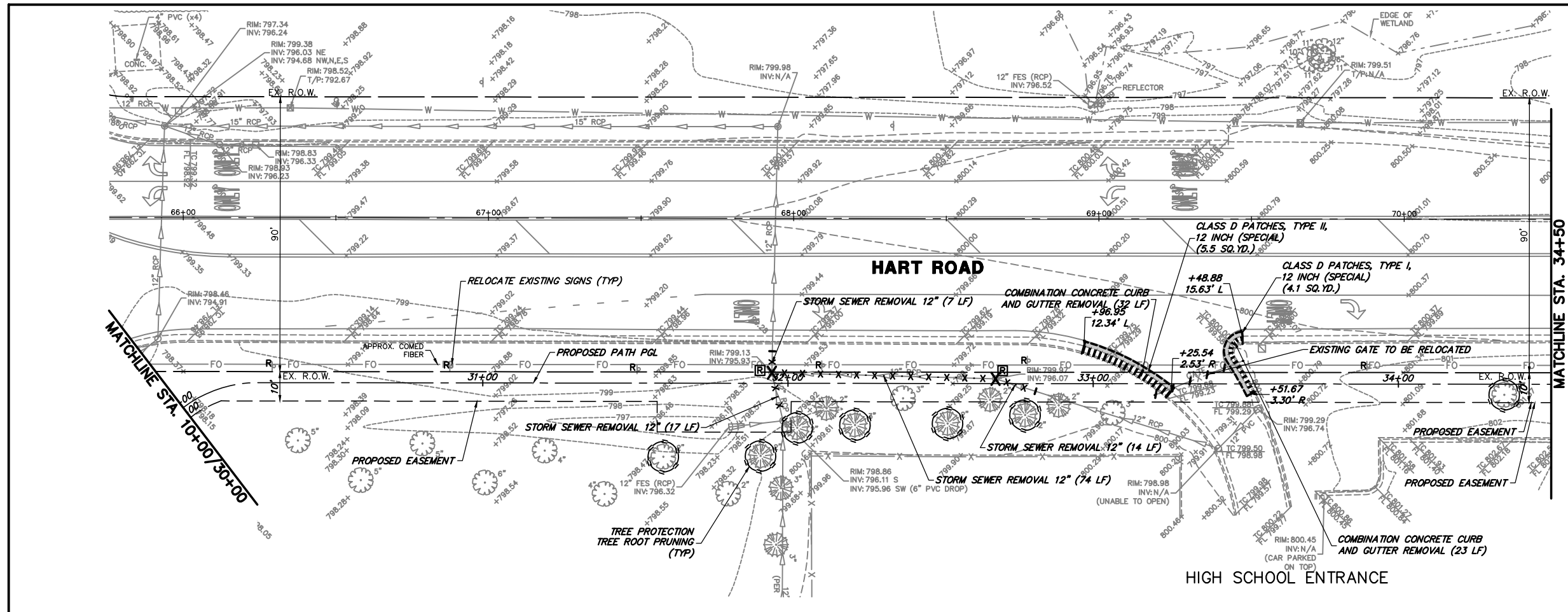
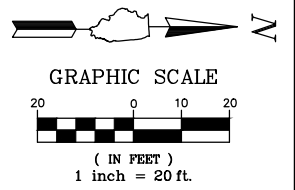
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING CONDITIONS / REMOVAL PLAN  
 ITEP PEDESTRIAN PATH IMPROVEMENTS**

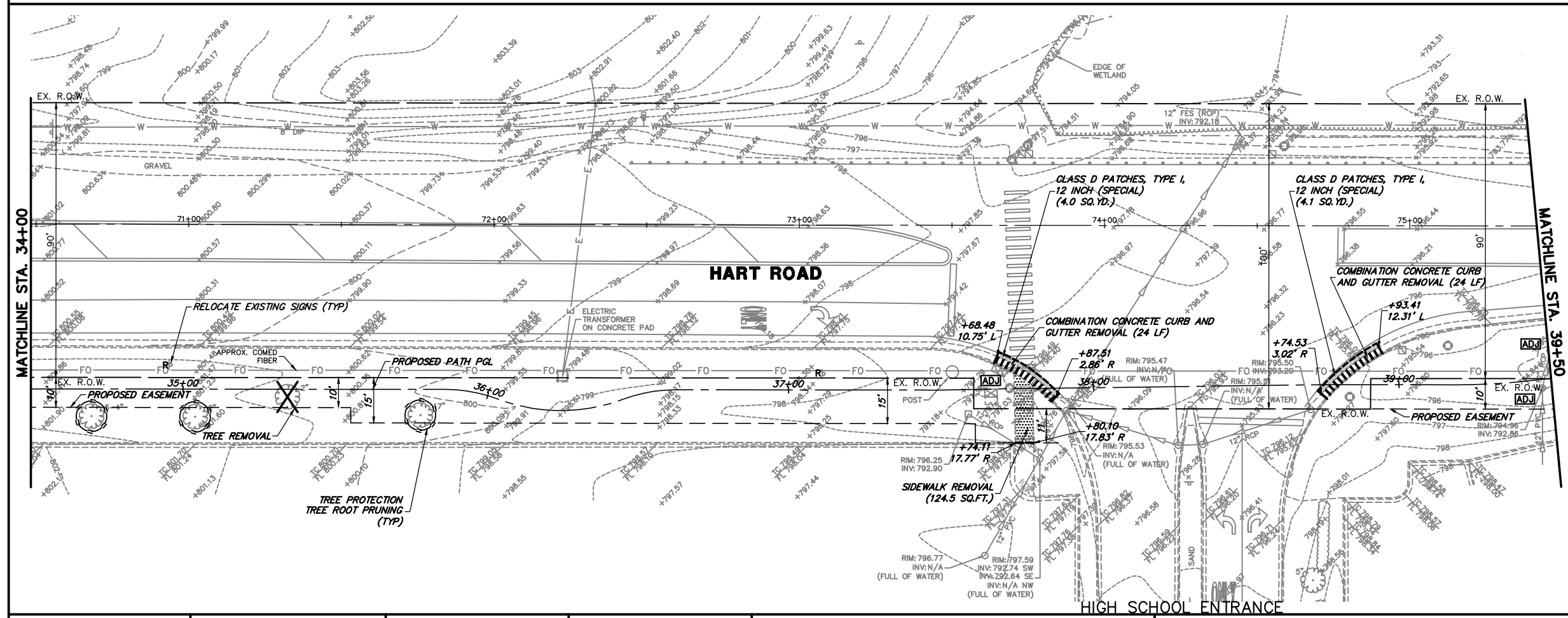
SCALE 1"=20' SHEET NO. 2 OF 5 SHEETS STA. 17+50 TO STA. 23+00

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	24
CONTRACT #			61H66	
ILLINOIS FED. AID PROJECT				



**REMOVAL LEGEND**

	PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	AGGREGATE REMOVAL (PAID FOR AS EARTH EXCAVATION)
	CLASS D PATCHES, 12 INCH (SPECIAL)
	STRUCTURE TO BE ADJUSTED
	STRUCTURE TO BE REMOVED
	RELOCATE EXISTING SIGNS
	TREE REMOVAL
	TREE TRUNK PROTECTION TREE ROOT PRUNING
	COMBINATION CONCRETE CURB AND GUTTER REMOVAL
	UTILITY TO BE REMOVED



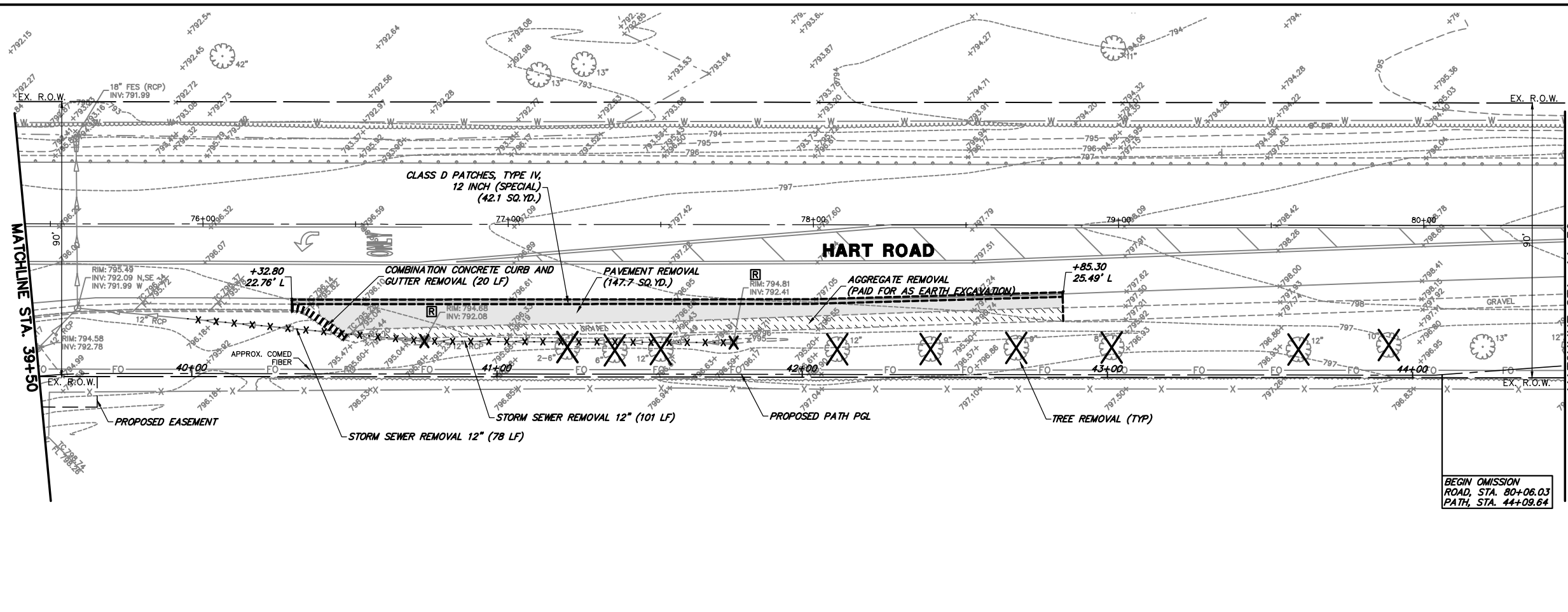
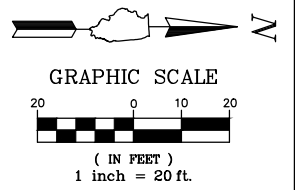
FILE NAME = 4370.120-PR1.dwg  
 USER NAME = DOMINIC OLESAK  
 PLOT SCALE = 1" = .1667'  
 PLOT DATE = 2/14/2022 11:02 AM

DESIGNED - MGFC	REVISED -
DRAWN - PJS	REVISED -
CHECKED - MGFC	REVISED -
DATE - 2/11/2022	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

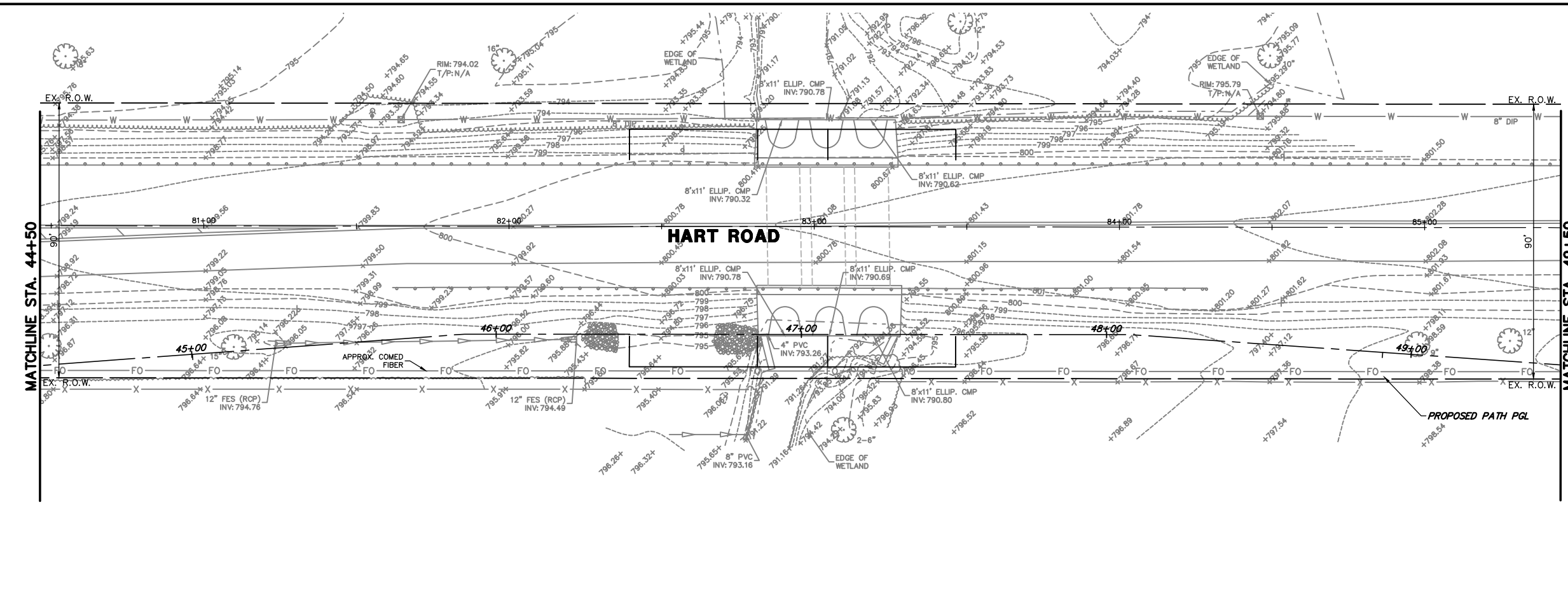
**EXISTING CONDITIONS / REMOVAL PLAN  
 ITEP PEDESTRIAN PATH IMPROVEMENTS**  
 SCALE 1"=20' SHEET NO. 3 OF 5 SHEETS STA. 30+00 TO STA. 39+50

FALL RTE 2549 1270	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 25
CONTRACT # 61H66			ILLINOIS FED. AID PROJECT	



- REMOVAL LEGEND**
- PAVEMENT REMOVAL
  - SIDEWALK REMOVAL
  - AGGREGATE REMOVAL (PAID FOR AS EARTH EXCAVATION)
  - CLASS D PATCHES, 12 INCH (SPECIAL)
  - STRUCTURE TO BE ADJUSTED
  - STRUCTURE TO BE REMOVED
  - RELOCATE EXISTING SIGNS
  - TREE REMOVAL
  - TREE TRUNK PROTECTION  
TREE ROOT PRUNING
  - COMBINATION CONCRETE CURB AND GUTTER REMOVAL
  - UTILITY TO BE REMOVED

BEGIN OMISSION  
ROAD, STA. 80+06.03  
PATH, STA. 44+09.64



FILE NAME = 4370.120-PR1.dwg  
USER NAME = DOMINIC OLESAK  
PLOT SCALE = 1" = .1667'  
PLOT DATE = 2/14/2022 11:03 AM

DESIGNED - MGFC  
DRAWN - PJS  
CHECKED - MGFC  
DATE - 2/11/2022

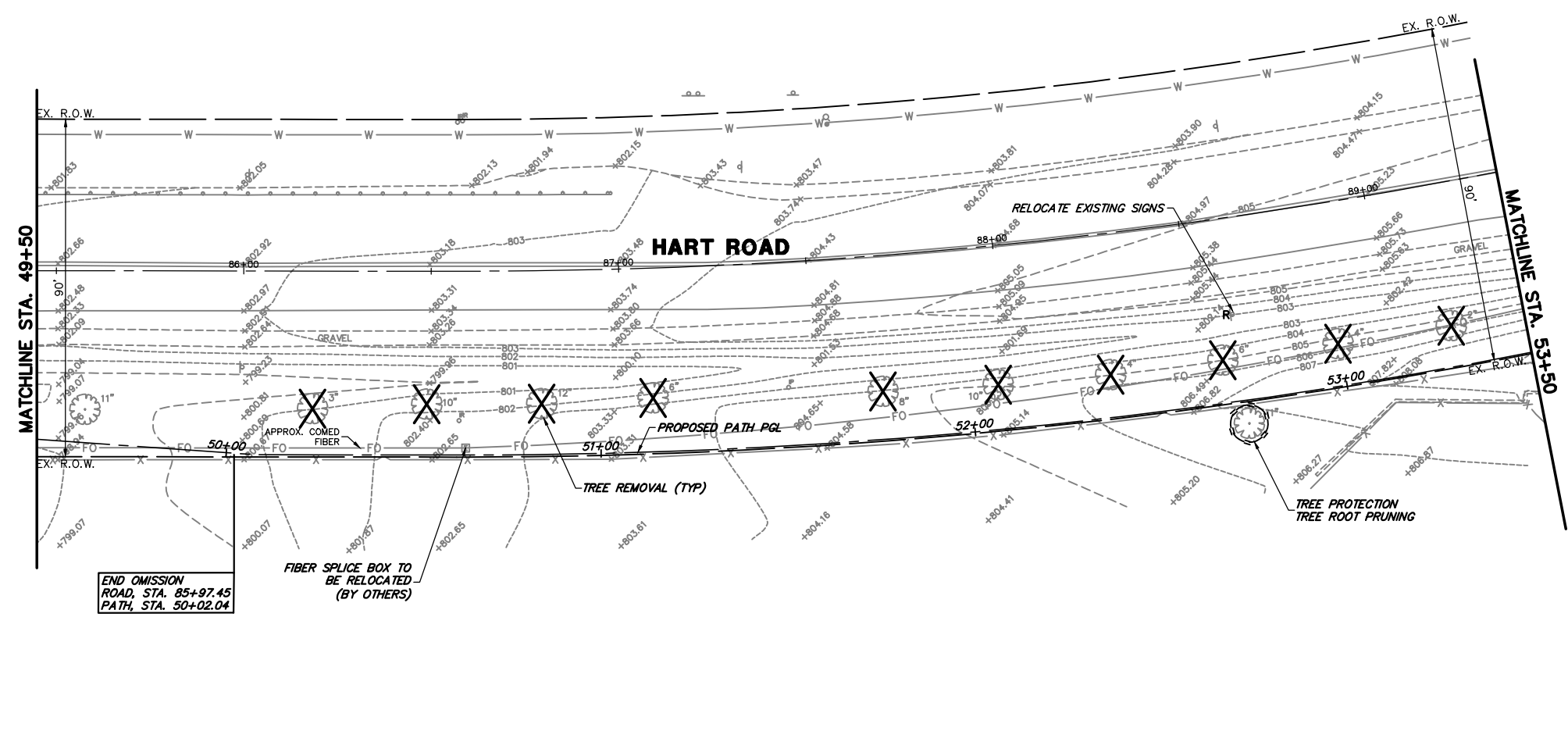
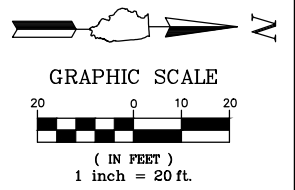
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

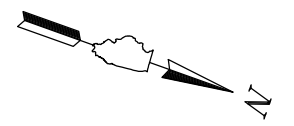
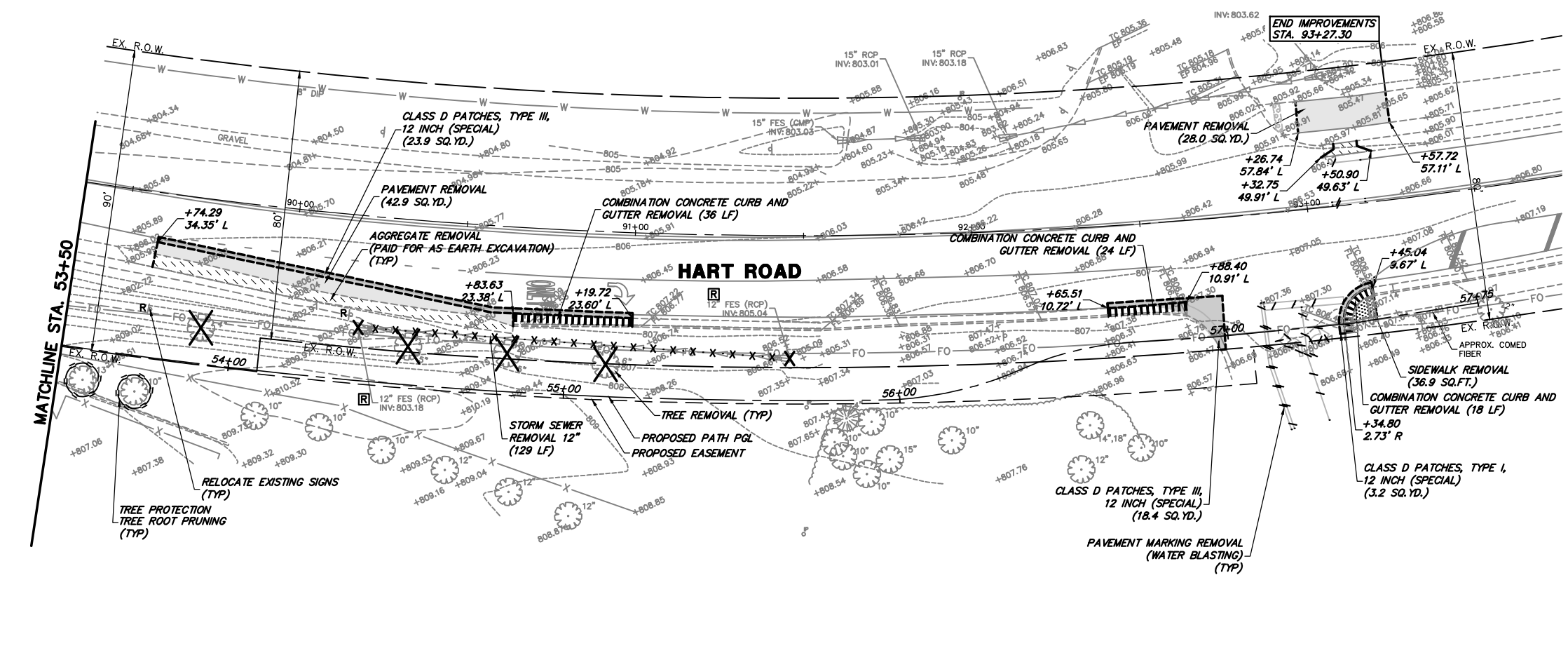
**EXISTING CONDITIONS / REMOVAL PLAN  
ITEP PEDESTRIAN PATH IMPROVEMENTS**  
SCALE 1"=20' SHEET NO. 4 OF 5 SHEETS STA. 39+50 TO STA. 49+50

FAU RTE 2549 1270	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 26
ILLINOIS FED. AID PROJECT			CONTRACT # 61H66	





- ### REMOVAL LEGEND
- PAVEMENT REMOVAL
  - SIDEWALK REMOVAL
  - AGGREGATE REMOVAL (PAID FOR AS EARTH EXCAVATION)
  - CLASS D PATCHES, 12 INCH (SPECIAL)
  - STRUCTURE TO BE ADJUSTED
  - STRUCTURE TO BE REMOVED
  - RELOCATE EXISTING SIGNS
  - TREE REMOVAL
  - TREE TRUNK PROTECTION  
TREE ROOT PRUNING
  - COMBINATION CONCRETE CURB AND GUTTER REMOVAL
  - UTILITY TO BE REMOVED
  - PAVEMENT MARKING REMOVAL (WATER BLASTING)



FILE NAME = 4370.120-PR1.dwg  
 USER NAME = DOMINIC OLESAK  
 PLOT SCALE = 1" = .1667'  
 PLOT DATE = 2/14/2022 11:03 AM

DESIGNED - MGFC  
 DRAWN - PJS  
 CHECKED - MGFC  
 DATE - 2/11/2022

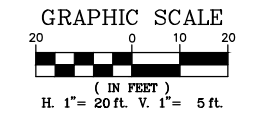
REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING CONDITIONS / REMOVAL PLAN  
 ITEP PEDESTRIAN PATH IMPROVEMENTS**  
 SCALE 1"=20'  
 SHEET NO. 5 OF 5 SHEETS  
 STA. 49+50 TO STA. 57+50

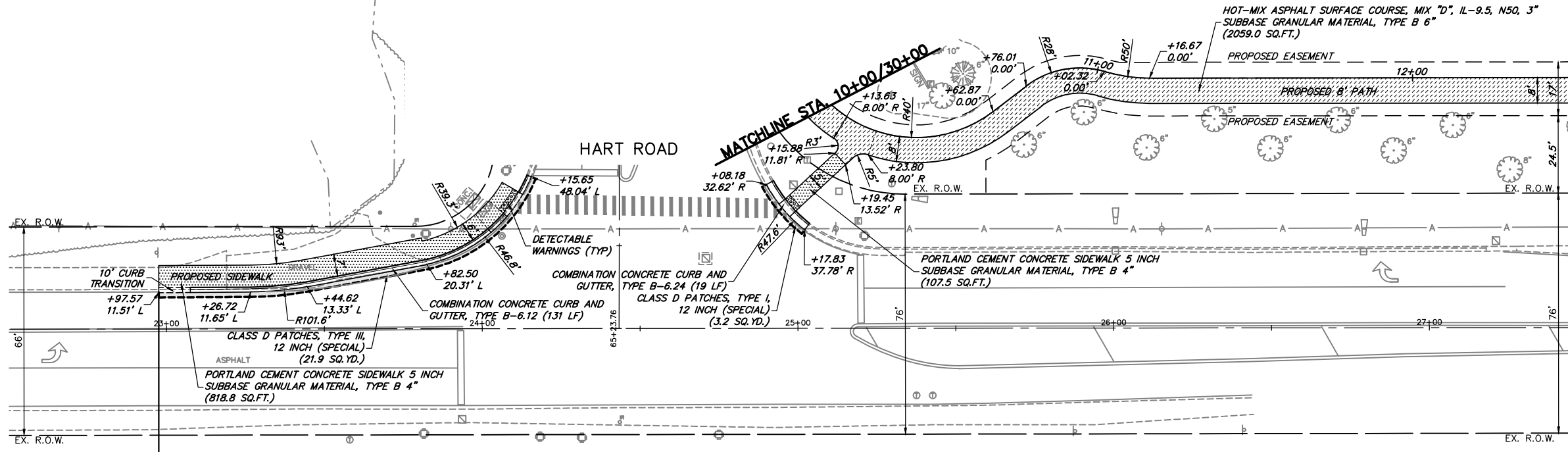
FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	27
CONTRACT #			61H66	
ILLINOIS FED. AID PROJECT				



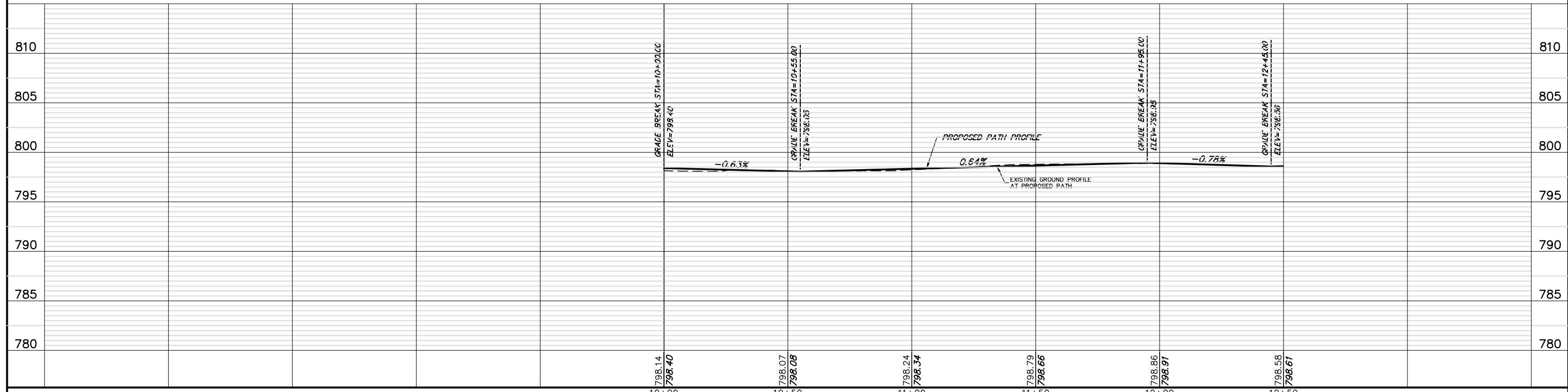


**PROPOSED LEGEND**

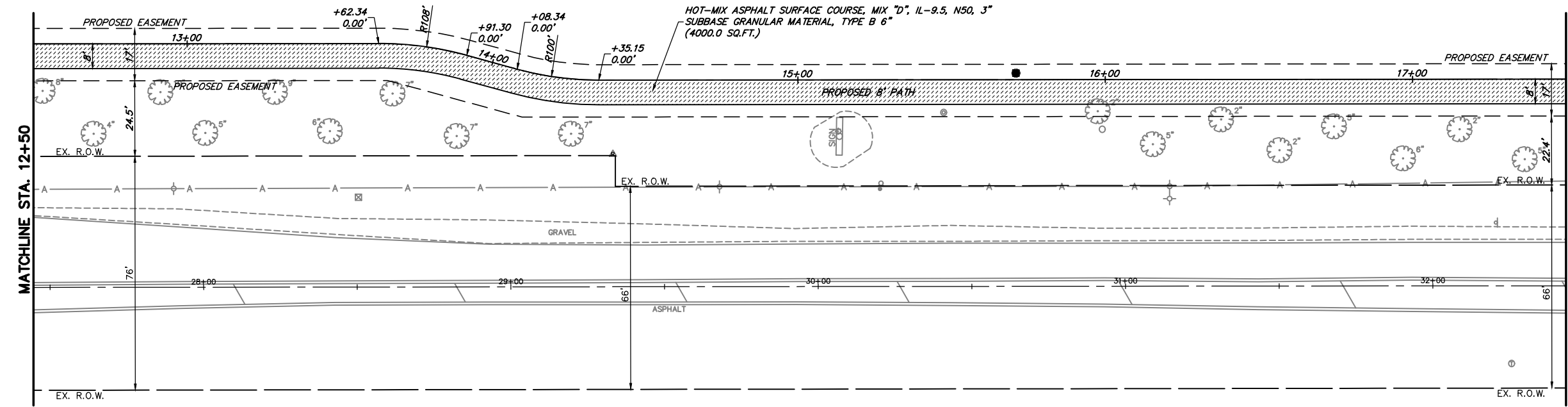
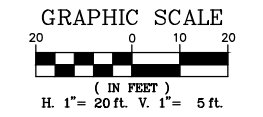
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 3" SUBBASE GRANULAR MATERIAL, TYPE B 6" (2059.0 SQ.FT.)
- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH SUBBASE GRANULAR MATERIAL, TYPE B 4" (107.5 SQ.FT.)
- CLASS D PATCHES, 12 INCH (SPECIAL)
- DETECTABLE WARNINGS
- COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (DEPRESSED)
- COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (REVERSE PITCH)
- RELOCATE EXISTING SIGNS



**LAKE COOK ROAD**

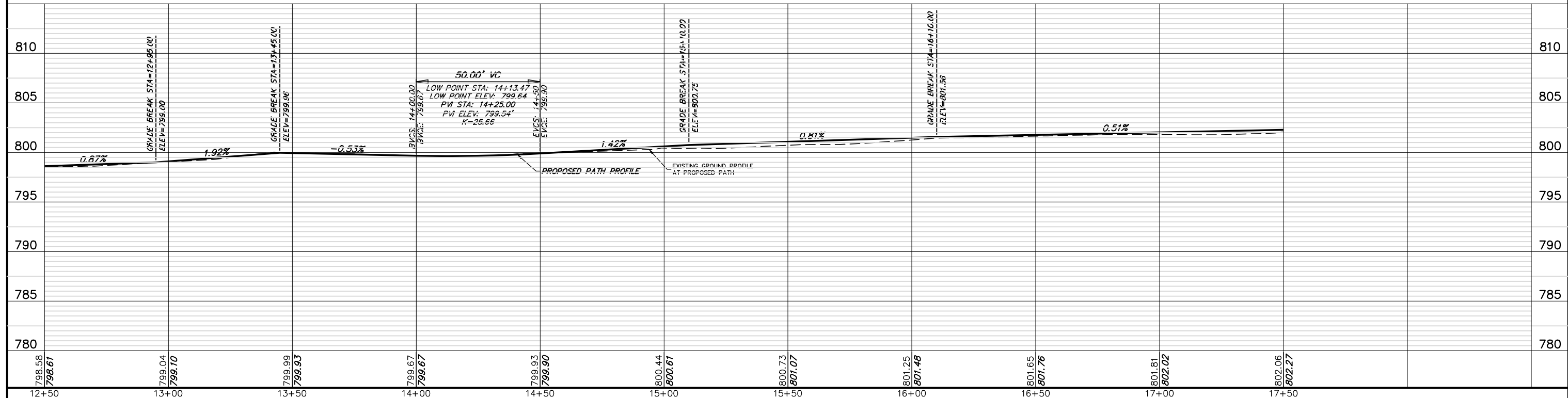


FILE NAME = 4370.120-PR1.dwg	USER NAME = DOMINIC OLESAK	DESIGNED - MGFC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN AND PROFILE ITEP PEDESTRIAN PATH IMPROVEMENTS</b>	SCALE AS NOTED	SHEET NO. 1 OF 9 SHEETS	STA. 10+00 TO STA. 12+50	FALL RITE 2549 1270	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 28		
		DRAWN - PJS	REVISED -												
		CHECKED - MGFC	REVISED -												
		DATE - 2/11/2022	REVISED -												

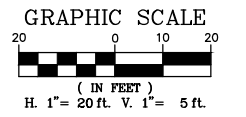


- PROPOSED LEGEND**
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 3" SUBBASE GRANULAR MATERIAL, TYPE B 6"
  - PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH SUBBASE GRANULAR MATERIAL, TYPE B 4"
  - CLASS D PATCHES, 12 INCH (SPECIAL)
  - DETECTABLE WARNINGS
  - COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
  - COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (DEPRESSED)
  - COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (REVERSE PITCH)
  - RELOCATE EXISTING SIGNS

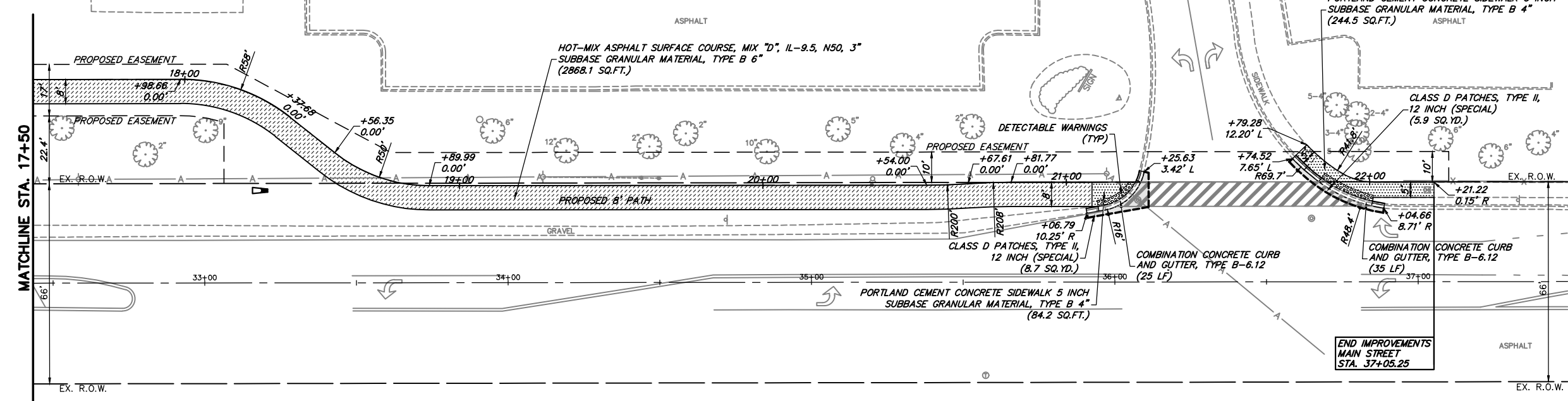
**LAKE COOK ROAD**



FILE NAME = 4370.120-PR1.dwg	USER NAME = DOMINIC OLESAK	DESIGNED - MGFC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN AND PROFILE ITEP PEDESTRIAN PATH IMPROVEMENTS</b>	SCALE AS NOTED	SHEET NO. 2 OF 9 SHEETS	STA. 12+50 TO STA. 17+50	FALL RITE 2549 1270	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 29		
	PLOT SCALE = 1" = .1667'	CHECKED - MGFC	REVISED -							CONTRACT # 61H66					
	PLOT DATE = 2/14/2022 11:04 AM	DATE - 2/11/2022	REVISED -												

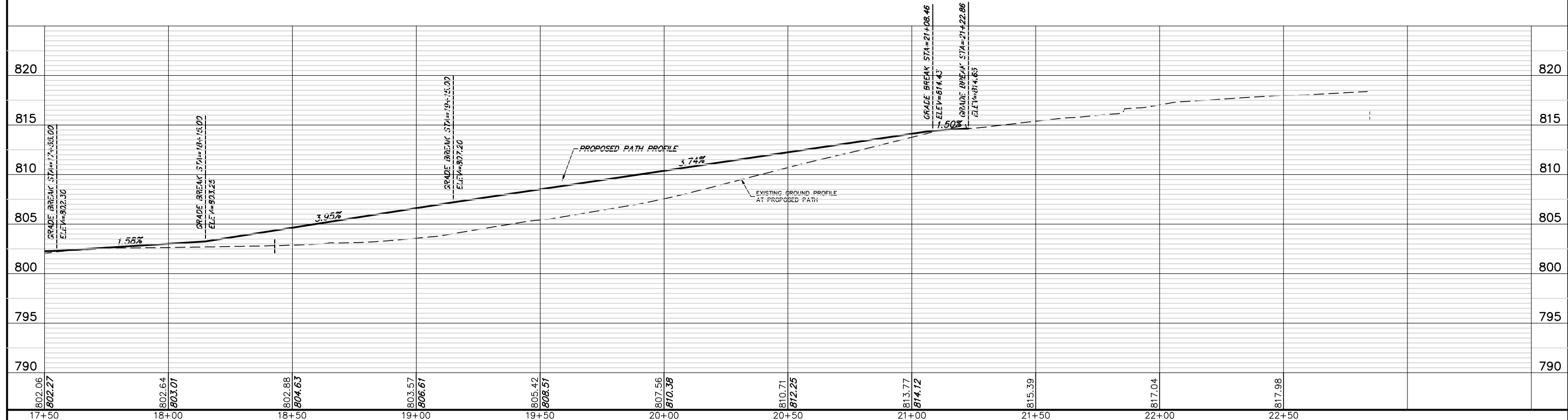


HIGH SCHOOL ENTRANCE

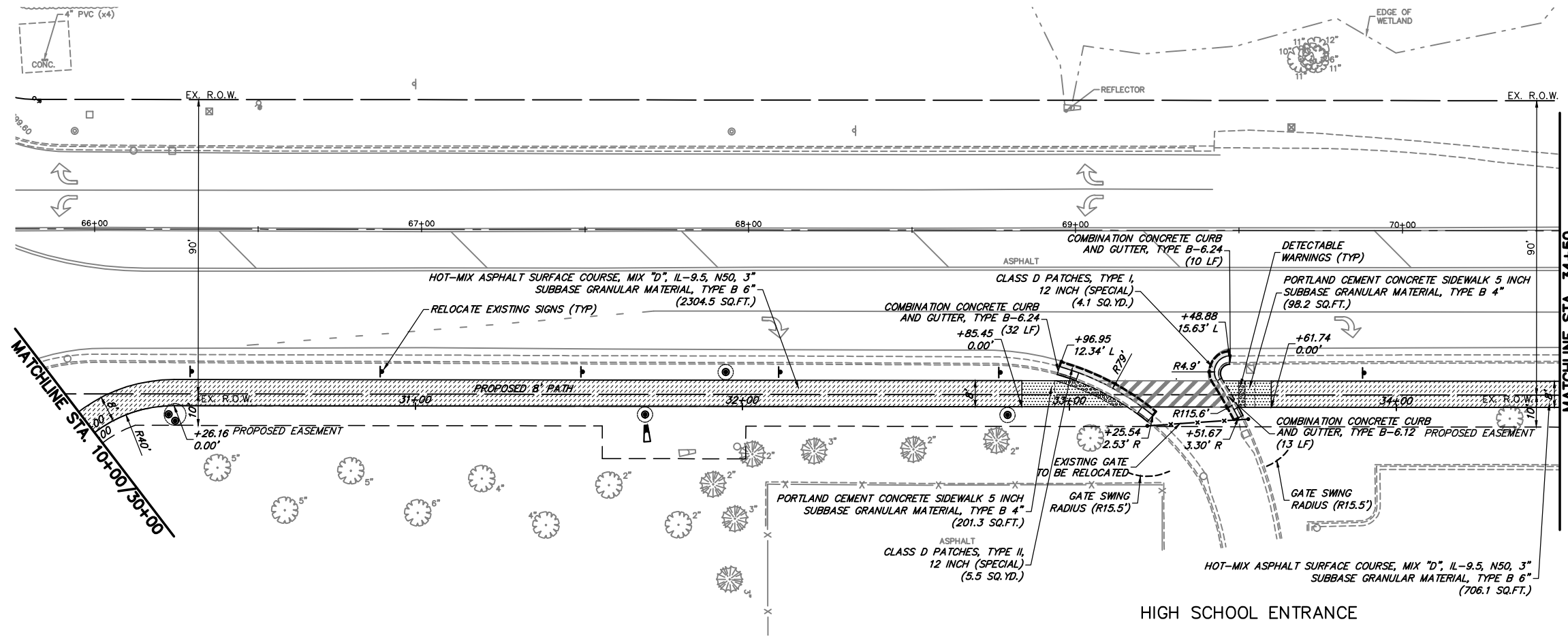
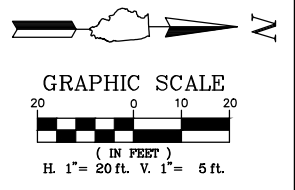


- PROPOSED LEGEND**
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 3" SUBBASE GRANULAR MATERIAL, TYPE B 6"
  - PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH SUBBASE GRANULAR MATERIAL, TYPE B 4"
  - CLASS D PATCHES, 12 INCH (SPECIAL)
  - DETECTABLE WARNINGS
  - COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
  - COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (DEPRESSED)
  - COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (REVERSE PITCH)
  - RELOCATE EXISTING SIGNS

LAKE COOK ROAD

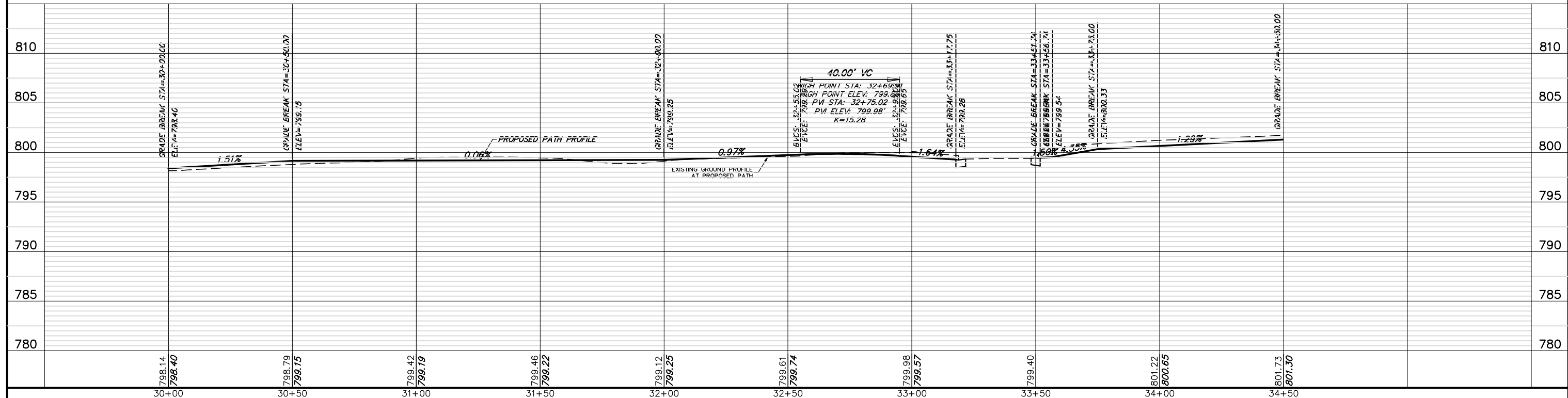


FILE NAME = 4370.120-PR1.dwg	USER NAME = DOMINIC OLESAK	DESIGNED - MGFC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN AND PROFILE ITEP PEDESTRIAN PATH IMPROVEMENTS</b>	FALL RITE 2549 1270	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 30	
	PLOT SCALE = 1" = .1667'	CHECKED - MGFC	REVISED -			SCALE AS NOTED	SHEET NO. 3 OF 9 SHEETS	CONTRACT #	61H66	ILLINOIS FED. AID PROJECT	
	PLOT DATE = 2/14/2022 11:04 AM	DATE - 2/11/2022	REVISED -			STA. 17+50	TO STA. 23+00				

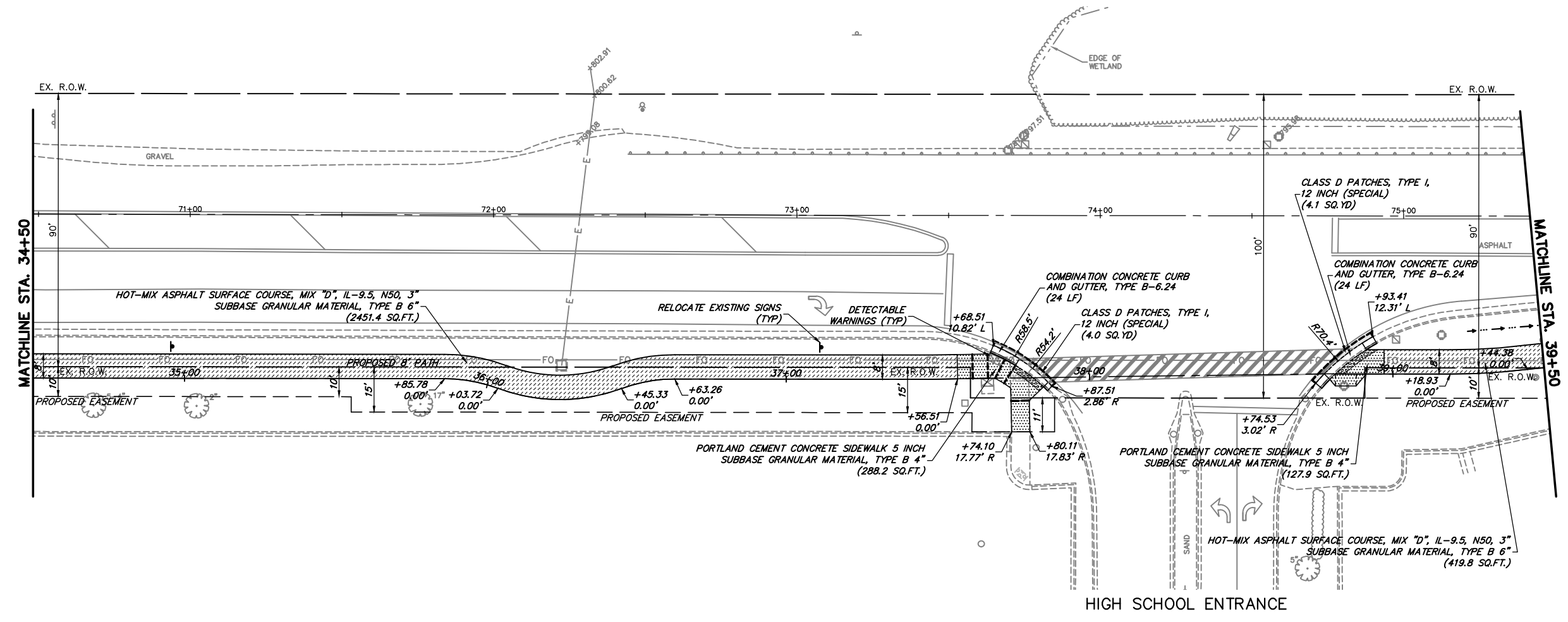
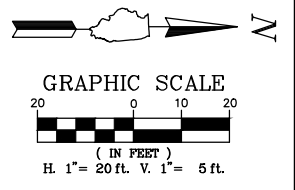


- PROPOSED LEGEND**
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 3" SUBBASE GRANULAR MATERIAL, TYPE B 6"
  - PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH SUBBASE GRANULAR MATERIAL, TYPE B 4"
  - CLASS D PATCHES, 12 INCH (SPECIAL)
  - DETECTABLE WARNINGS
  - COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
  - COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (DEPRESSED)
  - COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (REVERSE PITCH)
  - RELOCATE EXISTING SIGNS

**HART ROAD**



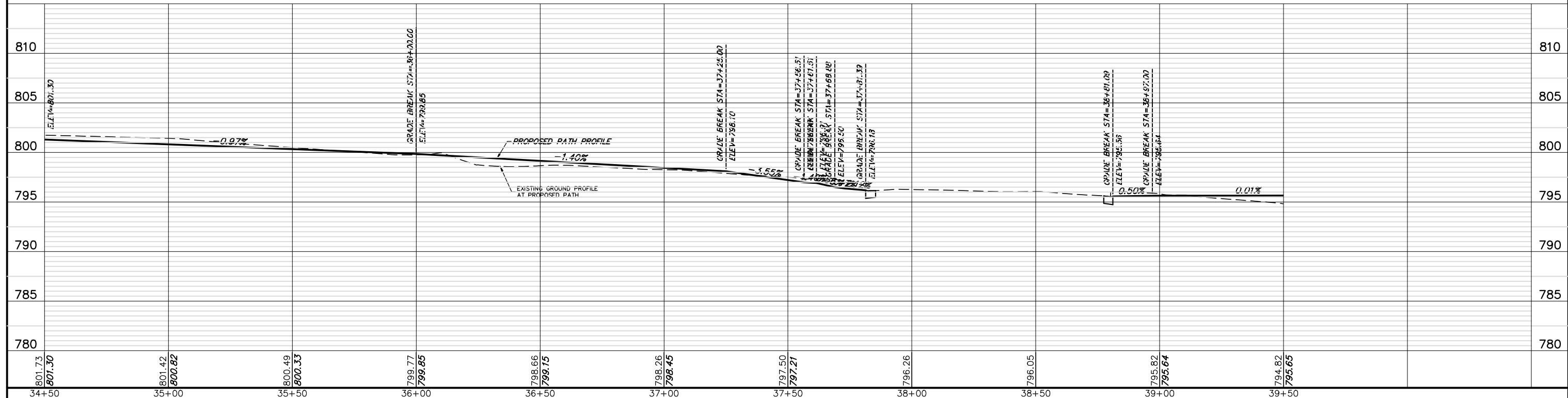
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		DRAWN - PJS	REVISED -		FAU RTE 2549 1276	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 31
		CHECKED - MGFC	REVISED -		CONTRACT # 61H66				
		DATE - 2/11/2022	REVISED -		ILLINOIS FED. AID PROJECT				



**PROPOSED LEGEND**

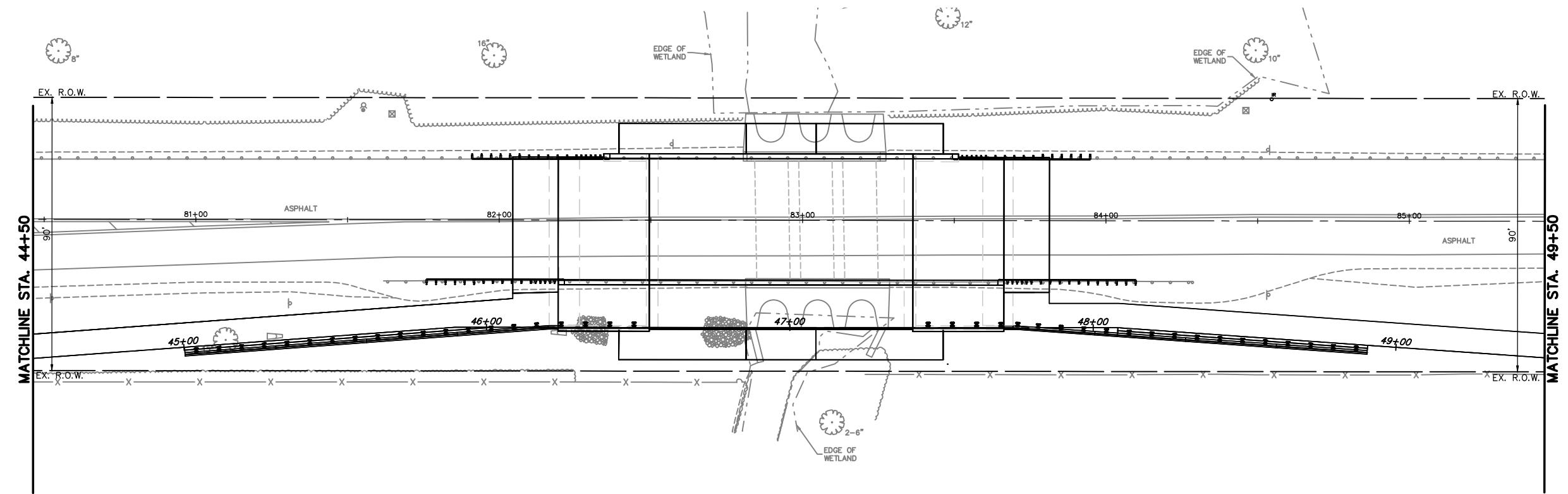
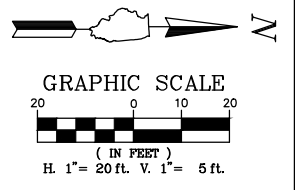
	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 3" SUBBASE GRANULAR MATERIAL, TYPE B 6"
	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH SUBBASE GRANULAR MATERIAL, TYPE B 4"
	CLASS D PATCHES, 12 INCH (SPECIAL)
	DETECTABLE WARNINGS
	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (DEPRESSED)
	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (REVERSE PITCH)
	RELOCATE EXISTING SIGNS

**HART ROAD**



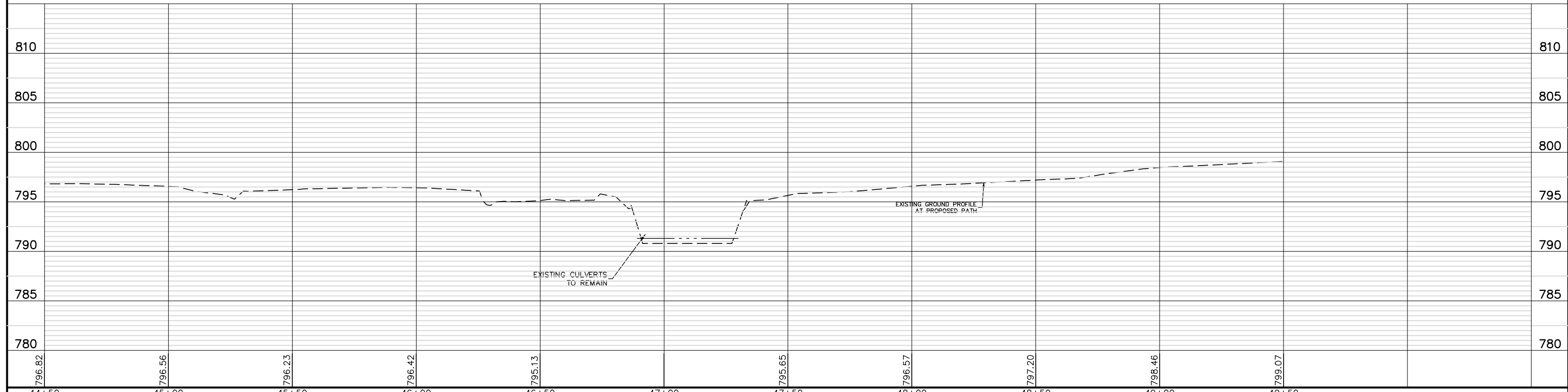
FILE NAME = 4370.120-PR1.dwg	USER NAME = DOMINIC OLESAK	DESIGNED - MGFC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN AND PROFILE ITEP PEDESTRIAN PATH IMPROVEMENTS</b>	FALL RITE 2549 1270	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 32	
	PLOT SCALE = 1" = .1667'	CHECKED - MGFC	REVISED -			SCALE AS NOTED	SHEET NO. 5 OF 9 SHEETS	CONTRACT #	61H66	ILLINOIS FED. AID PROJECT	
	PLOT DATE = 2/14/2022 11:05 AM	DATE - 2/11/2022	REVISED -			STA. 34+50	TO STA. 39+50				





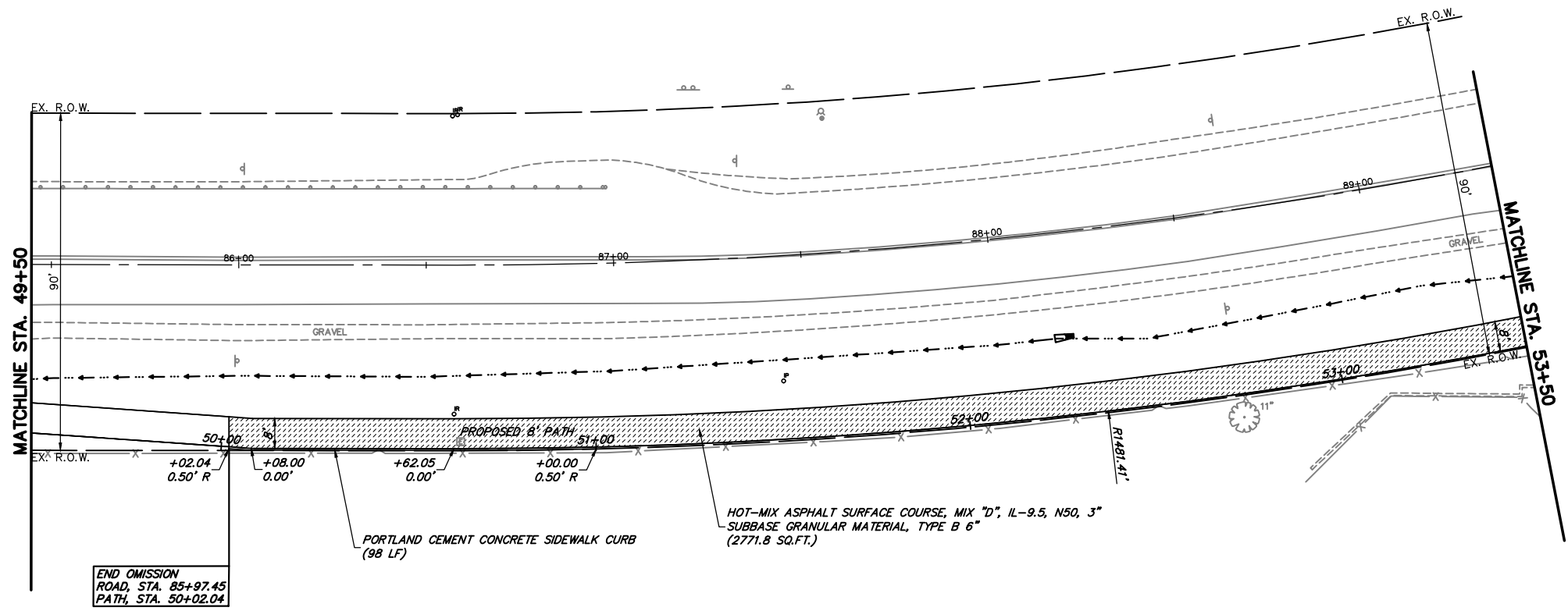
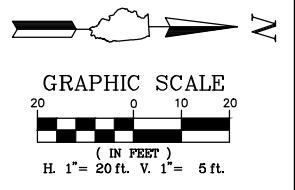
- PROPOSED LEGEND**
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 3"  
SUBBASE GRANULAR MATERIAL, TYPE B 6"
  - PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH  
SUBBASE GRANULAR MATERIAL, TYPE B 4"
  - CLASS D PATCHES, 12 INCH (SPECIAL)
  - DETECTABLE WARNINGS
  - COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
  - COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (DEPRESSED)
  - COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (REVERSE PITCH)
  - RELOCATE EXISTING SIGNS

**HART ROAD**



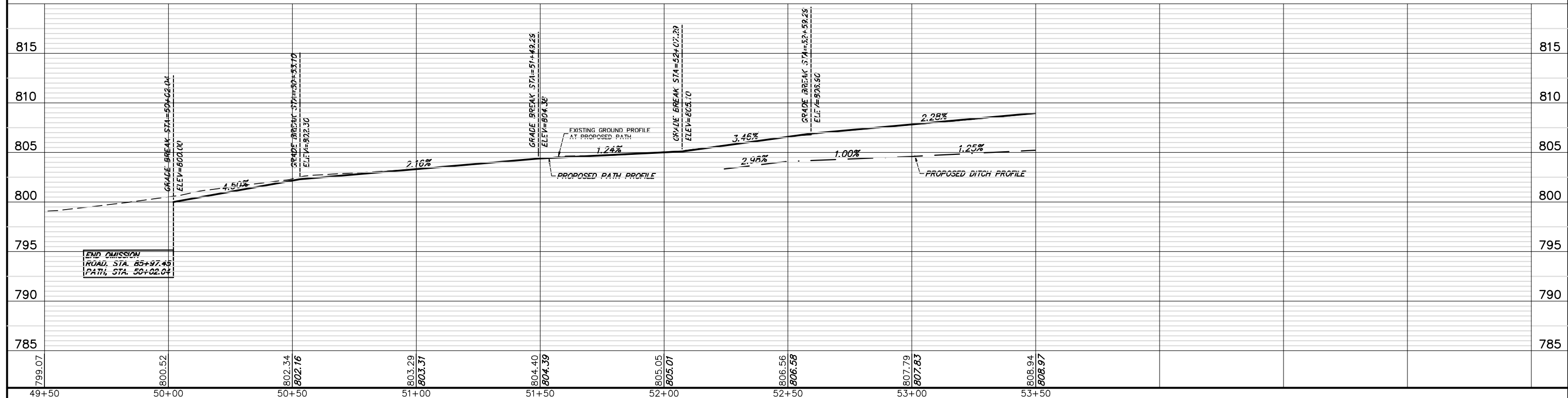
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	PLOT SCALE = 1" = .1667'	DRAWN - PJS	REVISED -		SCALE AS NOTED   SHEET NO. 7 OF 9 SHEETS   STA. 44+50 TO STA. 49+50					
	PLOT DATE = 2/14/2022 11:05 AM	CHECKED - MGFC	REVISED -							
		DATE - 2/11/2022	REVISED -							



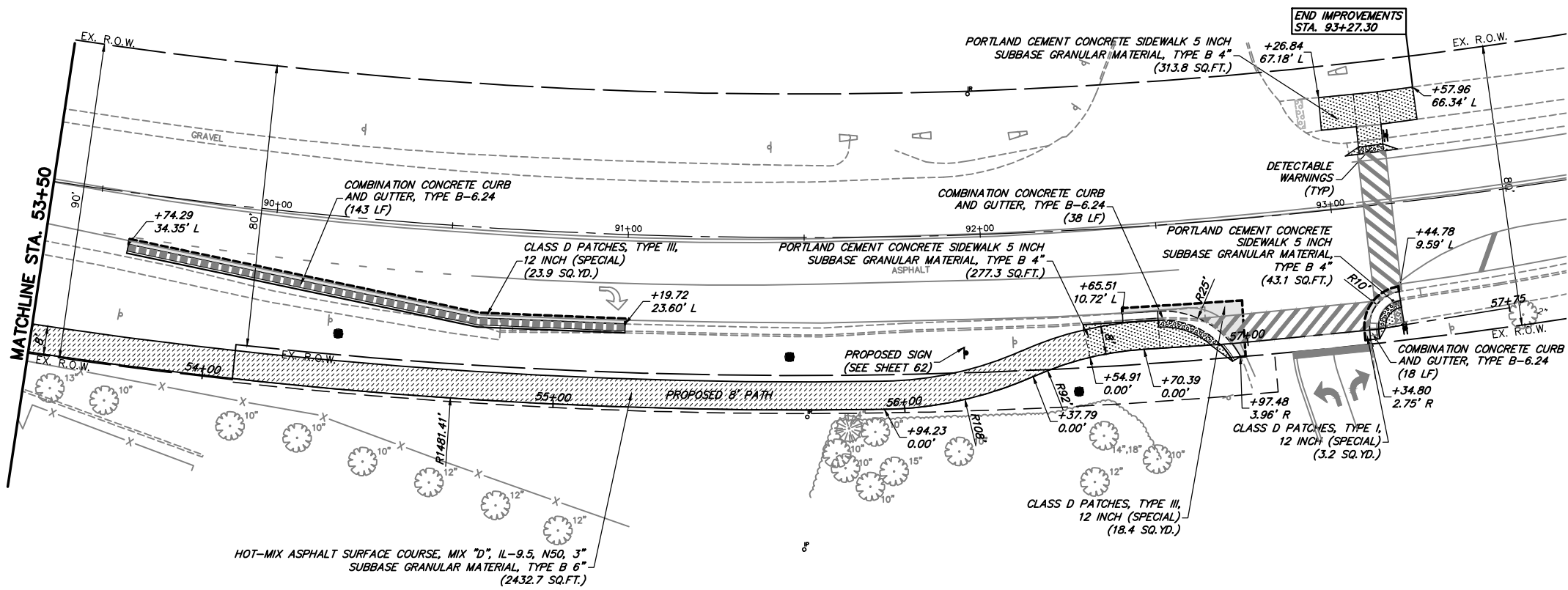
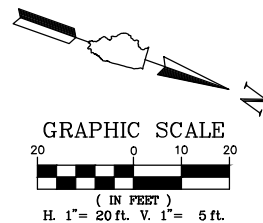


- PROPOSED LEGEND**
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 3"
  - SUBBASE GRANULAR MATERIAL, TYPE B 6"
  - PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
  - SUBBASE GRANULAR MATERIAL, TYPE B 4"
  - CLASS D PATCHES, 12 INCH (SPECIAL)
  - DETECTABLE WARNINGS
  - COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
  - COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (DEPRESSED)
  - COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (REVERSE PITCH)
  - RELOCATE EXISTING SIGNS

**HART ROAD**

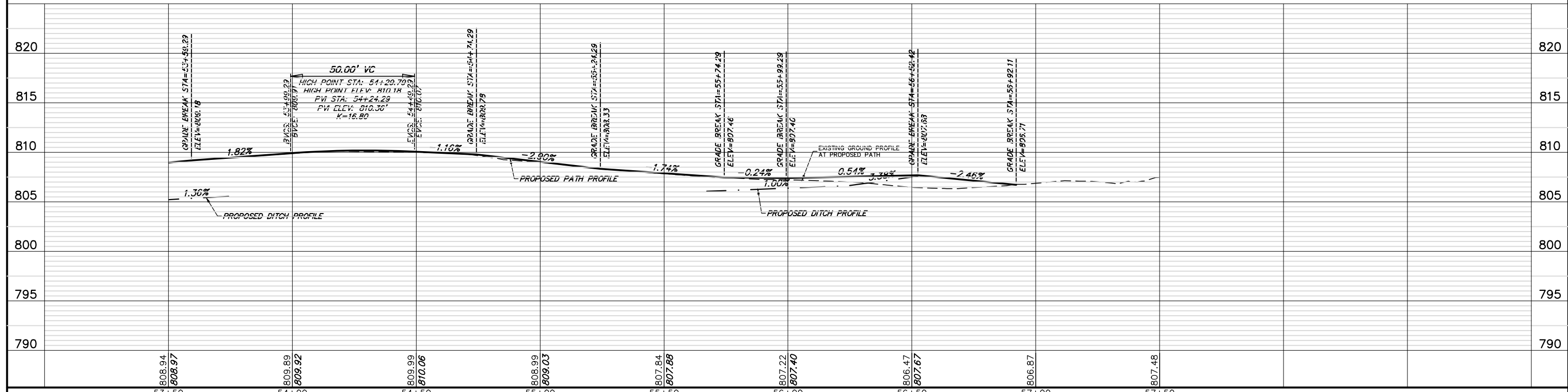


FILE NAME = 4370.120-PR1.dwg	USER NAME = DOMINIC OLESAK	DESIGNED - MGFC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN AND PROFILE ITEP PEDESTRIAN PATH IMPROVEMENTS</b>		FALL RTE 2549 1270	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 35
	PLOT SCALE = 1" = .1667'	DRAWN - PJS	REVISED -		SCALE AS NOTED	SHEET NO. 8 OF 9 SHEETS	STA. 49+50 TO STA. 53+50	CONTRACT # 61H66		ILLINOIS FED. AID PROJECT	
	PLOT DATE = 2/14/2022 11:05 AM	CHECKED - MGFC	REVISED -								
		DATE - 2/11/2022	REVISED -								

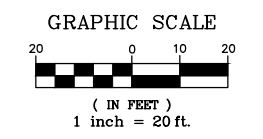


- PROPOSED LEGEND**
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 3" SUBBASE GRANULAR MATERIAL, TYPE B 6"
  - PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH SUBBASE GRANULAR MATERIAL, TYPE B 4"
  - CLASS D PATCHES, 12 INCH (SPECIAL)
  - DETECTABLE WARNINGS
  - COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
  - COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (DEPRESSED)
  - COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (REVERSE PITCH)
  - RELOCATE EXISTING SIGNS

**HART ROAD**

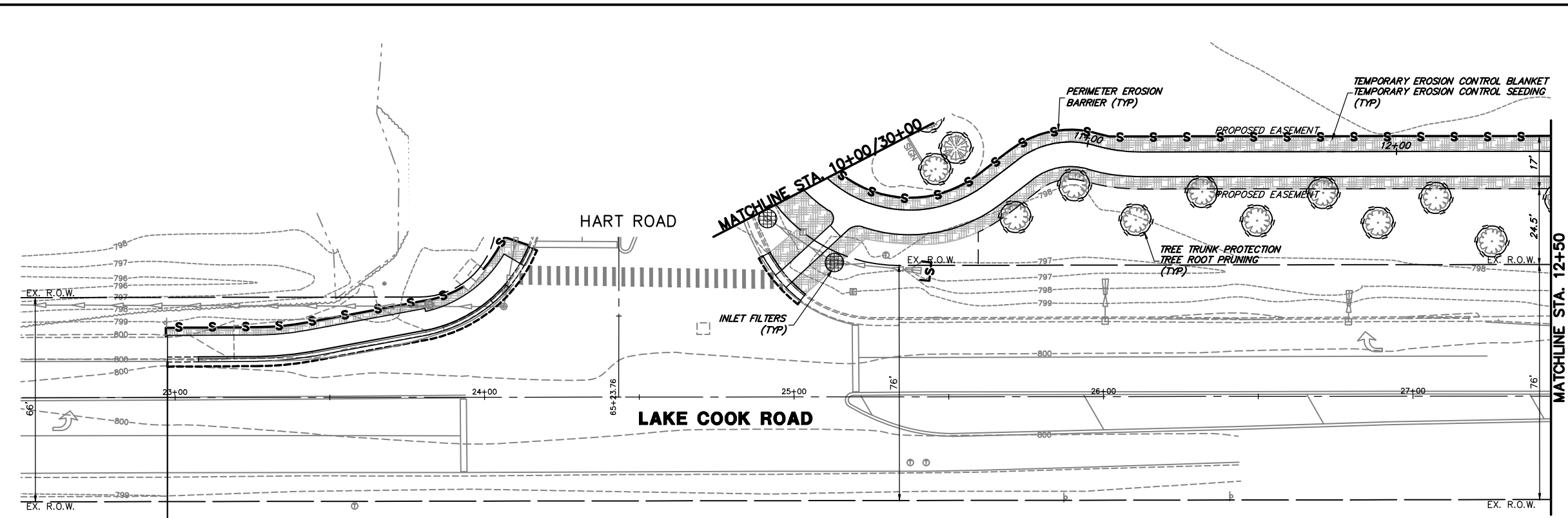


FILE NAME = 4370.120-PR1.dwg	USER NAME = DOMINIC OLESAK	DESIGNED - MGFC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN AND PROFILE ITEP PEDESTRIAN PATH IMPROVEMENTS</b>	SCALE AS NOTED	SHEET NO. 9 OF 9 SHEETS	STA. 53+50 TO STA. 57+50	FAU. RITE 2549 1270	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 36	
	PLOT SCALE = 1" = .1667'	CHECKED - MGFC	REVISED -											
	PLOT DATE = 2/14/2022 11:06 AM	DATE - 2/11/2022	REVISED -											

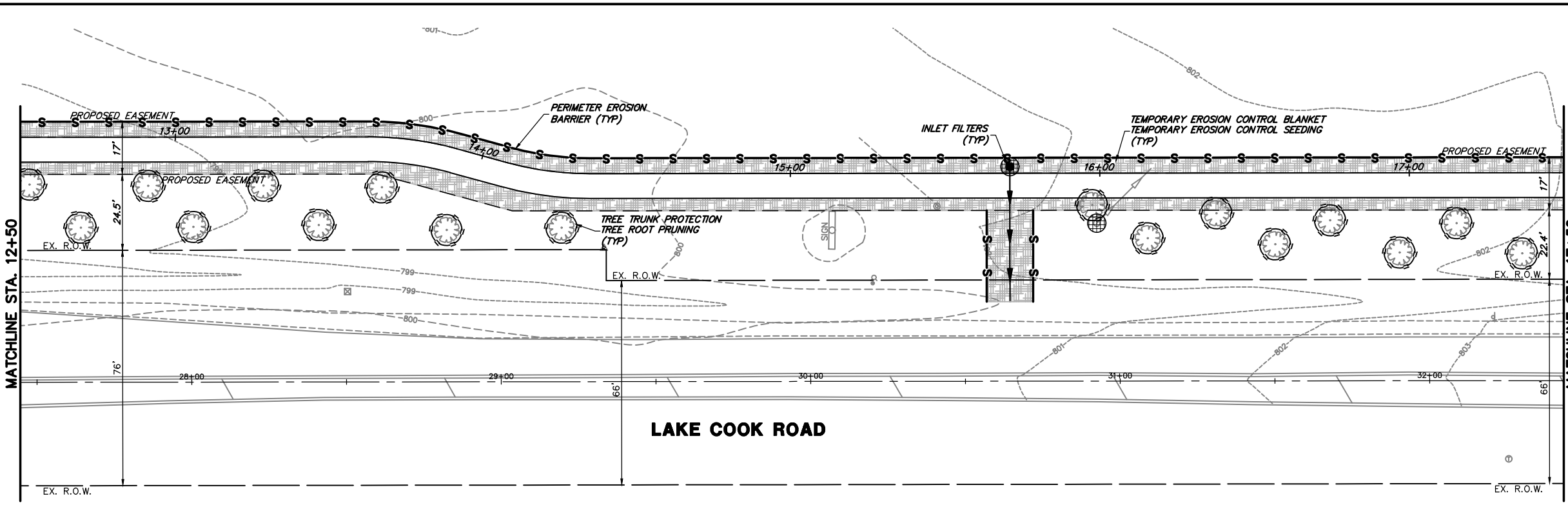


**EROSION LEGEND**

- TEMPORARY EROSION CONTROL BLANKET
- TEMPORARY EROSION CONTROL SEEDING
- INLET FILTERS
- PERIMETER EROSION BARRIER
- TREE TRUNK PROTECTION  
TREE ROOT PRUNING
- DITCH CHECK

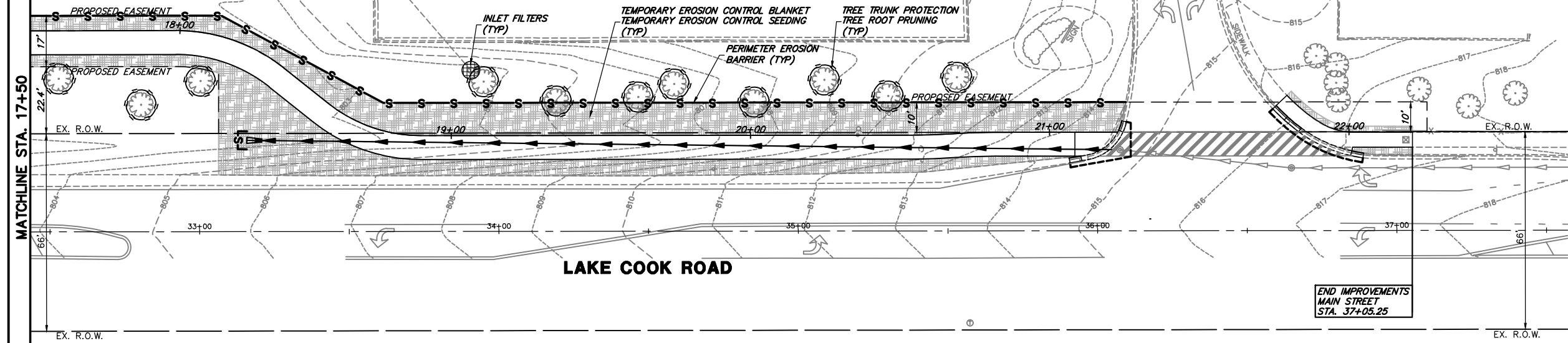
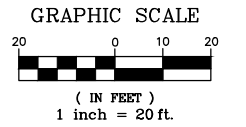


BEGIN IMPROVEMENTS  
MAIN STREET  
STA. 22+97.56








FILE NAME = 4370.120-PR1.dwg	USER NAME = DOMINIC OLESAK	DESIGNED - MGFC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SOIL EROSION AND SEDIMENT CONTROL PLAN ITEP PEDESTRIAN PATH IMPROVEMENTS</b>	FAU RTE 2549 1270	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 37	
PLOT SCALE = 1" = .1667'		DRAWN - PJS	REVISED -			SCALE 1"=20'		SHEET NO. 1 OF 5 SHEETS		STA. 10+00 TO STA. 17+50	
PLOT DATE = 2/14/2022 9:55 AM		CHECKED - MGFC	REVISED -			CONTRACT # 61H66		ILLINOIS FED. AID PROJECT			
		DATE - 2/11/2022	REVISED -								

HIGH SCHOOL ENTRANCE



**EROSION LEGEND**

-  TEMPORARY EROSION CONTROL BLANKET  
TEMPORARY EROSION CONTROL SEEDING
-  INLET FILTERS
-  PERIMETER EROSION BARRIER
-  TREE TRUNK PROTECTION  
TREE ROOT PRUNING
-  DITCH CHECK

FILE NAME = 4370.120-PR1.dwg

USER NAME = DOMINIC OLESAK

DESIGNED - MGFC

REVISED -

PLOT SCALE = 1" = .1667'

DRAWN - PJS

REVISED -

PLOT DATE = 2/14/2022 9:55 AM

CHECKED - MGFC

REVISED -

DATE - 2/11/2022

REVISED -

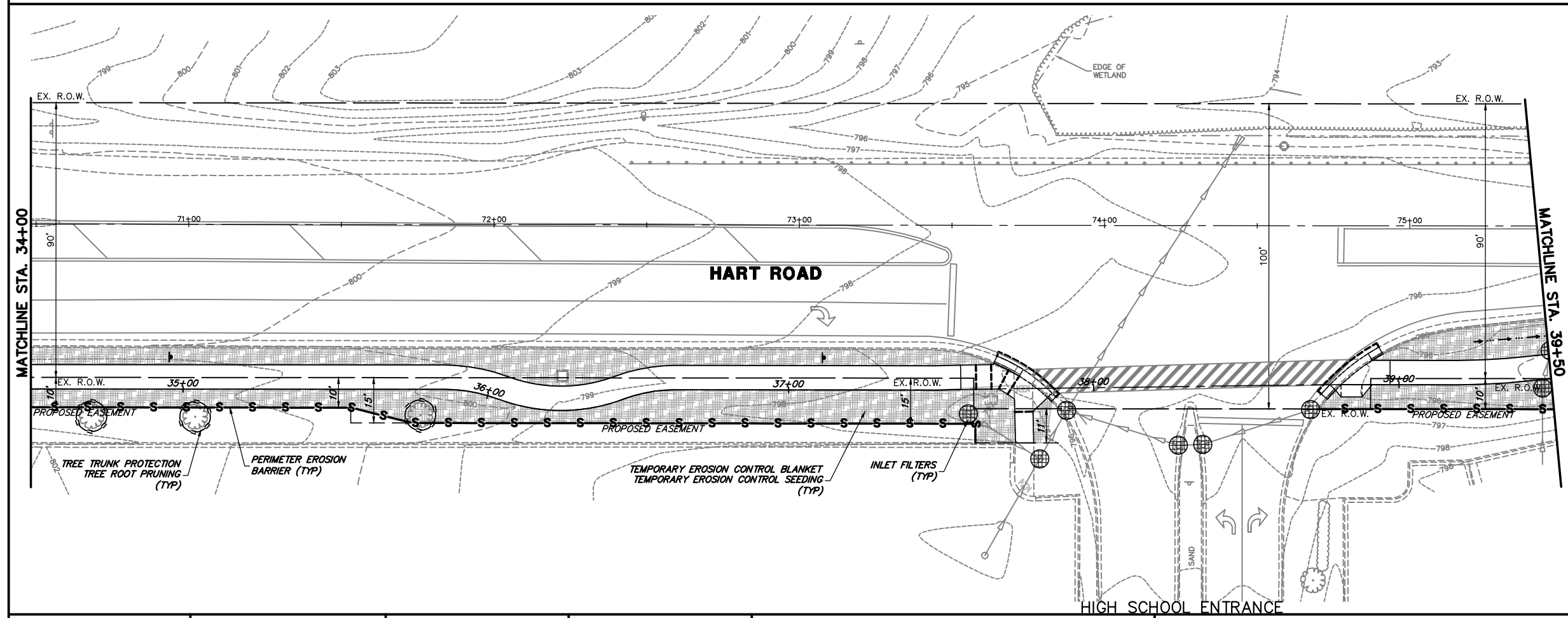
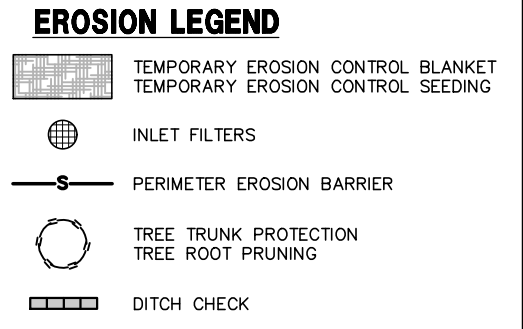
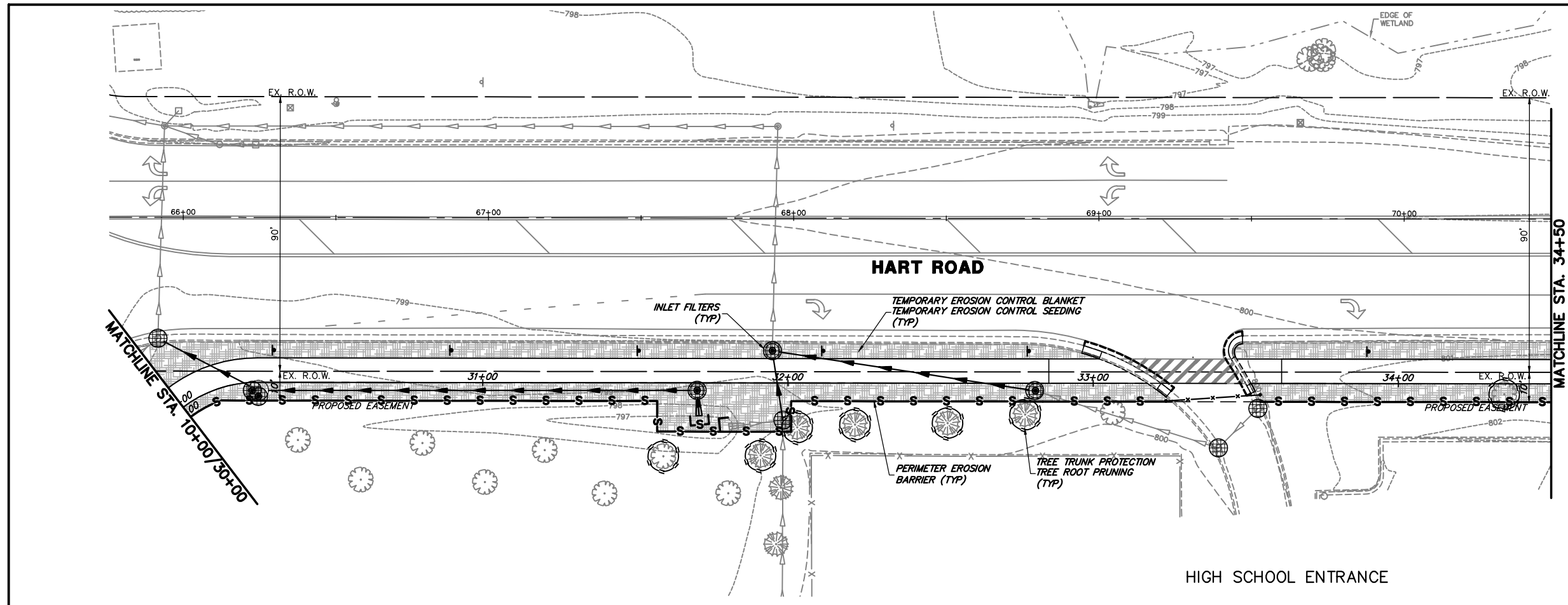
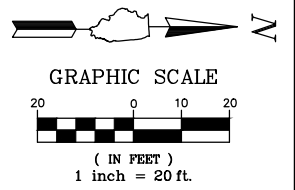
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SOIL EROSION AND SEDIMENT CONTROL PLAN  
ITEP PEDESTRIAN PATH IMPROVEMENTS**

SCALE 1"=20' SHEET NO. 2 OF 5 SHEETS STA. 17+50 TO STA. 23+00

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	38
CONTRACT #			61H66	

ILLINOIS FED. AID PROJECT



FILE NAME = 4370.120-PR1.dwg  
 USER NAME = DOMINIC OLESAK  
 PLOT SCALE = 1" = .1667'  
 PLOT DATE = 2/14/2022 9:55 AM

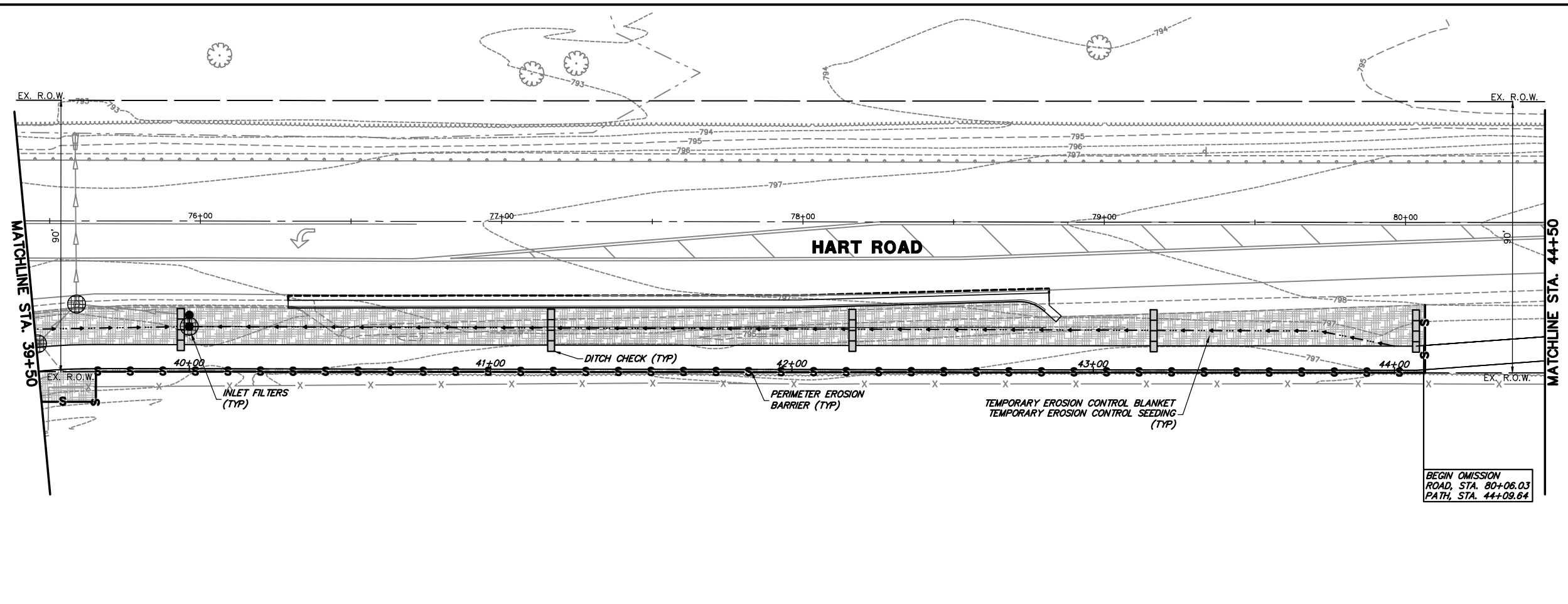
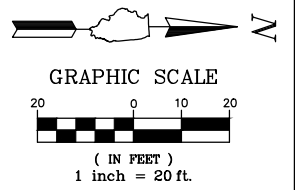
DESIGNED - MGFC  
 DRAWN - PJS  
 CHECKED - MGFC  
 DATE - 2/11/2022

REVISED -  
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 REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

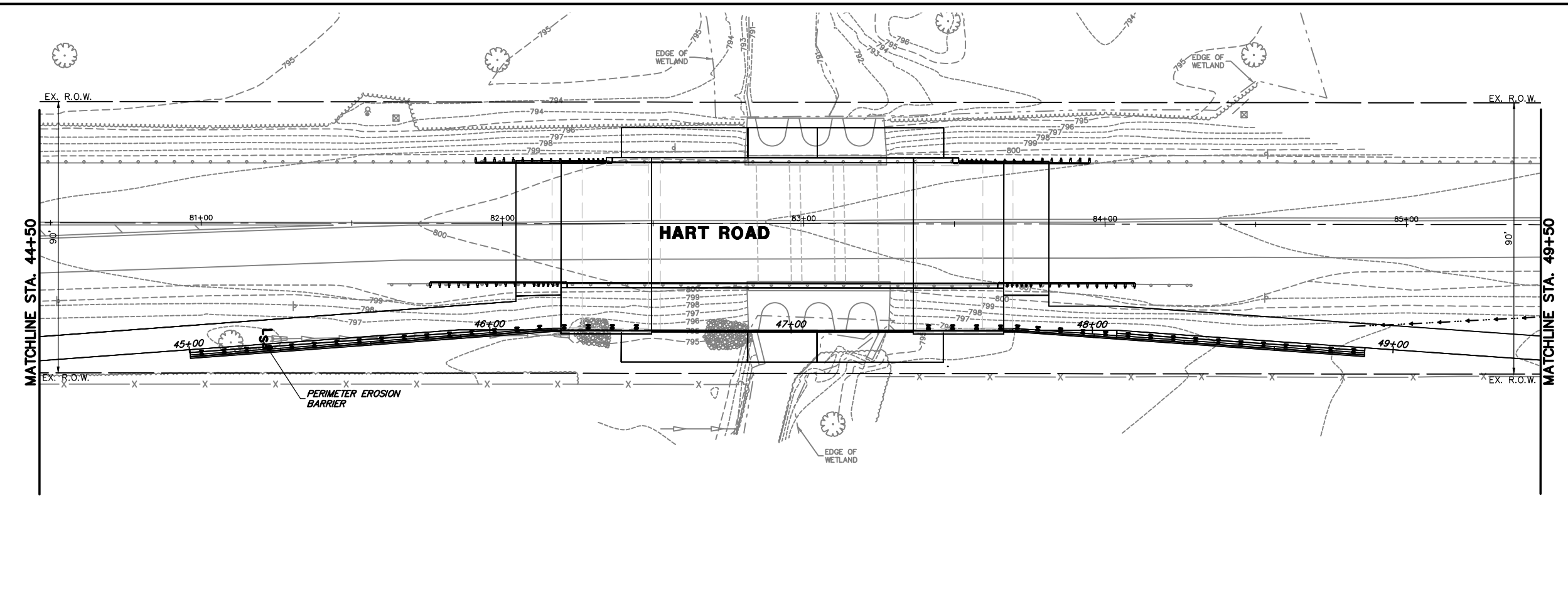
**SOIL EROSION AND SEDIMENT CONTROL PLAN**  
**ITEP PEDESTRIAN PATH IMPROVEMENTS**  
 SCALE 1"=20' SHEET NO. 3 OF 5 SHEETS STA. 30+00 TO STA. 39+50

FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	39
CONTRACT #			61H66	
ILLINOIS FED. AID PROJECT				



- EROSION LEGEND**
- TEMPORARY EROSION CONTROL BLANKET
  - TEMPORARY EROSION CONTROL SEEDING
  - INLET FILTERS
  - PERIMETER EROSION BARRIER
  - TREE TRUNK PROTECTION
  - TREE ROOT PRUNING
  - DITCH CHECK

BEGIN OMISSION  
ROAD, STA. 80+06.03  
PATH, STA. 44+09.64



FILE NAME = 4370.120-PR1.dwg

USER NAME = DOMINIC OLESAK  
PLOT SCALE = 1" = .1667'  
PLOT DATE = 2/14/2022 9:56 AM

DESIGNED - MGFC  
DRAWN - PJS  
CHECKED - MGFC  
DATE - 2/11/2022

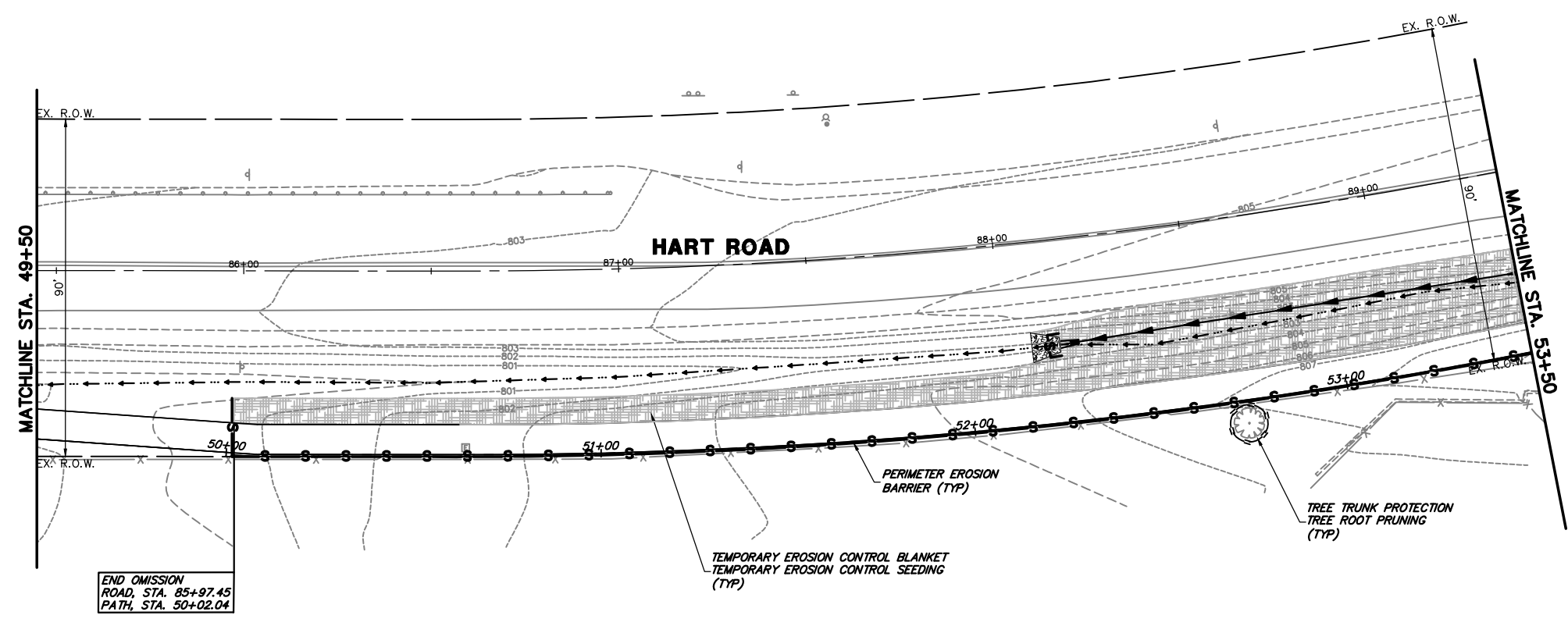
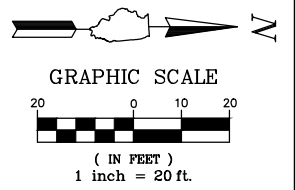
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REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

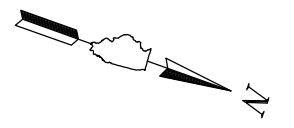
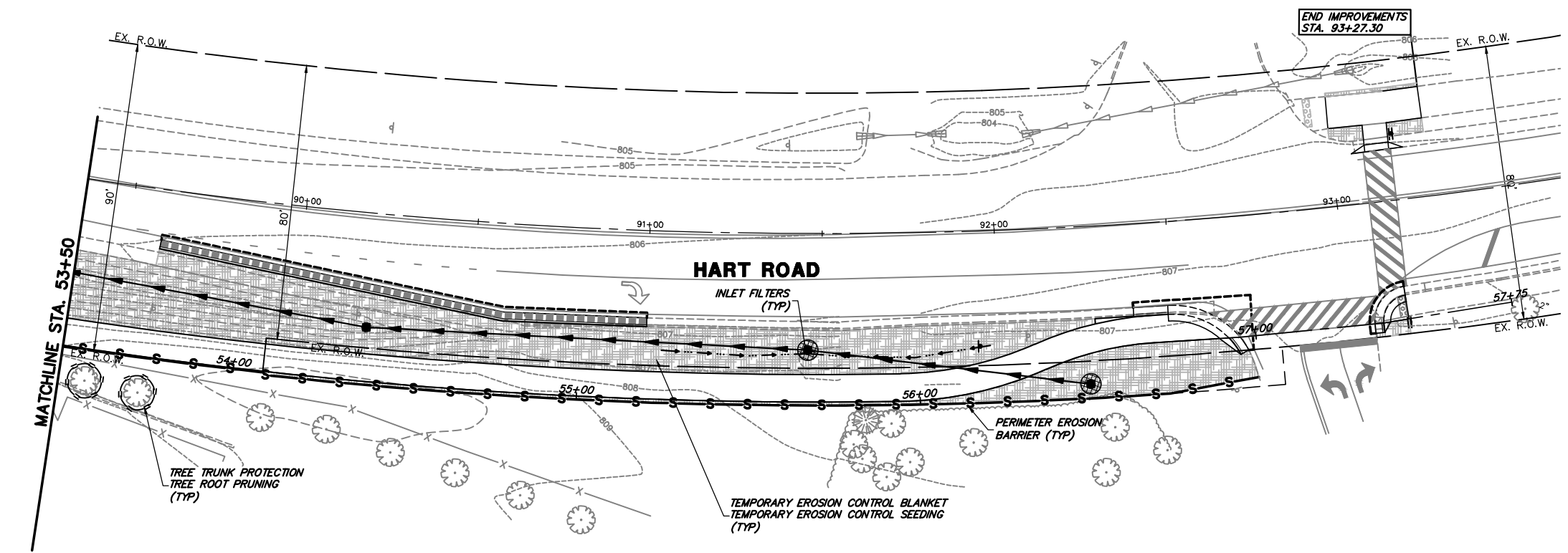
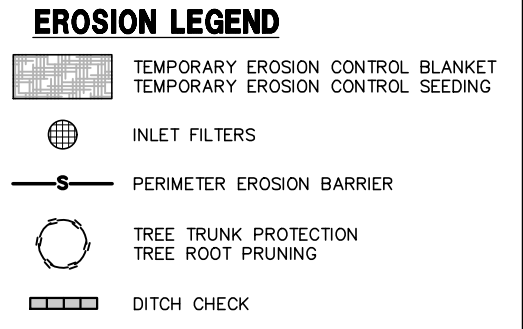
**SOIL EROSION AND SEDIMENT CONTROL PLAN  
ITEP PEDESTRIAN PATH IMPROVEMENTS**

SCALE 1"=20' SHEET NO. 4 OF 5 SHEETS STA. 39+50 TO STA. 49+50

FAU RTE 2549 1270	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 40
CONTRACT # 61H66			ILLINOIS FED. AID PROJECT	



END OMISSION  
ROAD, STA. 85+97.45  
PATH, STA. 50+02.04

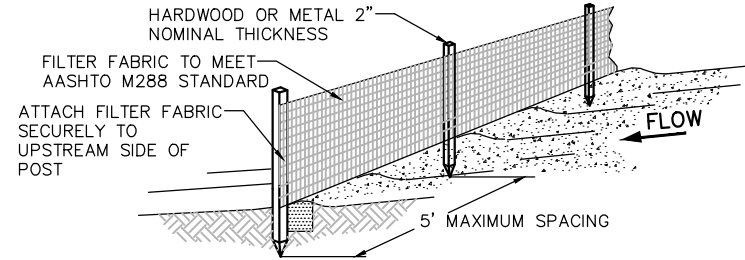


FILE NAME = 4370.120-PR1.dwg	USER NAME = DOMINIC OLESAK	DESIGNED - MGFC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SOIL EROSION AND SEDIMENT CONTROL PLAN ITEP PEDESTRIAN PATH IMPROVEMENTS</b>	FAU RTE 2549 1270	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 41		
PLOT SCALE = 1" = .1667'	CHECKED - MGFC	DATE - 2/11/2022	REVISED -			SCALE 1"=20'	SHEET NO. 5 OF 5 SHEETS	STA. 49+50	TO STA. 57+50	CONTRACT # 61H66		
PLOT DATE = 2/14/2022 9:56 AM	DATE - 2/11/2022	REVISED -	REVISED -			ILLINOIS FED. AID PROJECT						



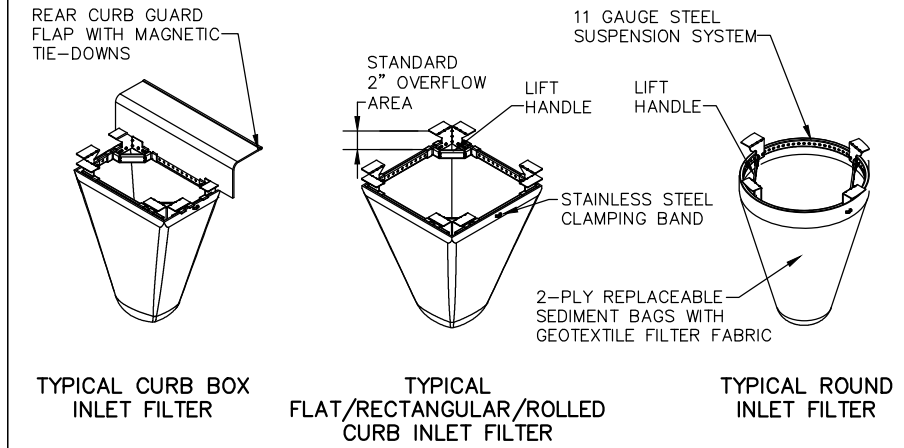
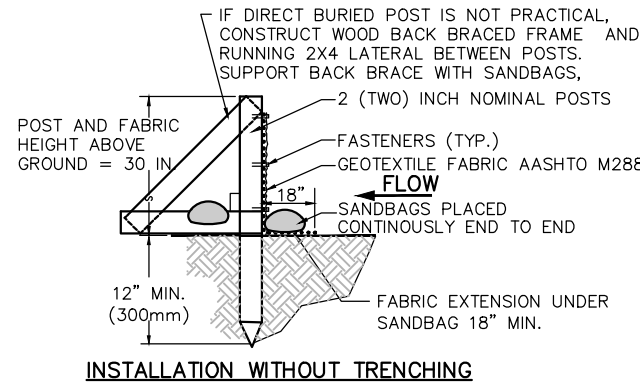
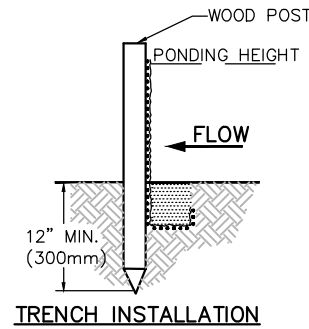
NOTES:

- SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
- INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 9" (225mm) MAXIMUM RECOMMENDED STORAGE HEIGHT.
- REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
- FABRIC AND INSTALLATION SHALL MEET THE REQUIREMENTS OF ASSHTO STANDARD SPECIFICATION M-288-00.
- SLICING METHOD IS PREFERRED.



PROPERTY	TEST PROCEDURE	
Grab Elongation		
Machine Direction	ASTM D-4533	123 lbs
X-Machine Direction	ASTM D-4833	101 lbs
Permittivity	ASTM D-4491	0.05 sec <sup>-1</sup>
A.S.O.	ASTM D-4751	30 u.s. Sieve
UV Stability	ASTM D-4355	70%

- SET POSTS AND EXCAVATE OR SLIT-TRENCH A 6-INCH DEEP TRENCH UPSLOPE ALONG THE LINE OF THE POST
- ATTACH AASHTO GEOTEXTILE FILTER FABRIC TO EACH POST WITH A MINIMUM OF 3(THREE) FASTENERS PER POST AND EXTEND TO THE BOTTOM OF THE TRENCH. ACCEPTABLE FASTENERS INCLUDE STAPLES, ZIP-TIES, OR WIRE TIES.
- BACKFILL AND COMPACT THE EXCAVATED SPOIL MATERIALS



Material Property	Test Method	Value (min. ave.)	
> Inner Filter Bag Specs (2ft <sup>2</sup> min vol)		Non-Woven	Woven Mono
Grab Tensile	ASTM D 4632	100 lbs	200 lbs
Puncture Strength	ASTM D 4833	65 lbs	90 lbs
Trapezoidal Tear	ASTM D 4535	45 lbs	75 lbs
UV Resistance	ASTM D 4355	70% at 500 hrs	90%
App Open Size (AOS)	ASTM D 4751	70 sieve (.212 mm)	40 sieve (.425 mm)
Permittivity	ASTM D 4491	2.0/sec.	2.1/sec
Water Flow Rate	ASTM D 4491	145 gpm/sqft.	145gpm/sqft
> Polyester Outer Reinforcement Bag Specifications			
Weight	ASTM D 3776	4.55 oz/sqyd +/-15%	
Thickness	ASTM D 1777	.040 +/- .005	
> Frame Construction			
A36 Structural Steel;	ASTM A 576	Tensile Strength > 58,000 psi	
11 Gauge, Zinc Plated		Yield Strength > 36,000 psi	

MAINTENANCE  
1. CLEAN OUT AFTER EVERY RAIN EVENT

03.15.2016

09.22.2021



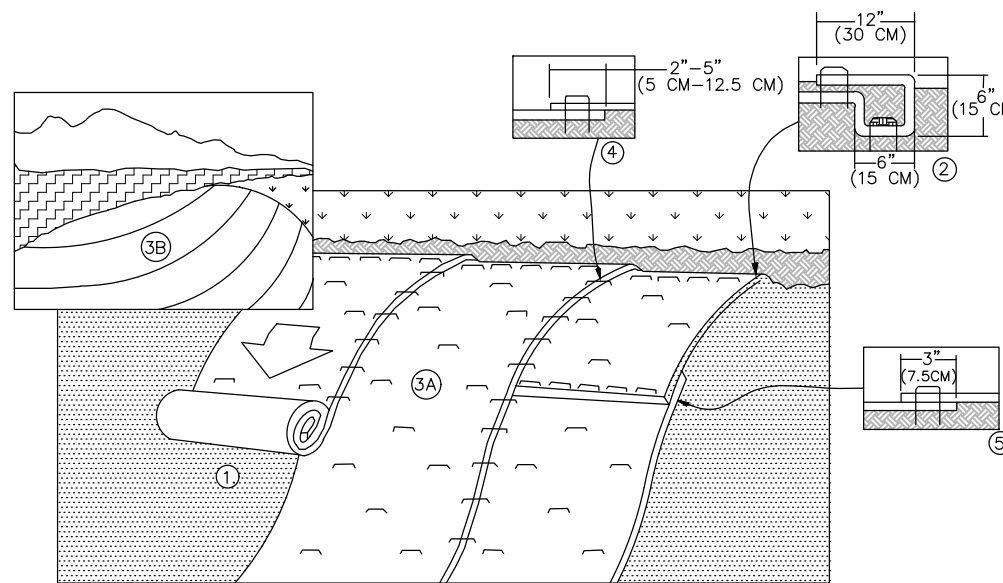
SILT FENCE INSTALLATION DETAIL



INLET FILTER BASKET DETAIL

NOTES:

- PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP'S), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
- BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP'S IN A 6" (15 CM) WIDE TRENCH WITH APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF RECP'S BACK OVER SEED AND COMPACTED SOIL. SECURE RECP'S OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART ACROSS THE WIDTH OF THE RECP'S.
- ROLL THE RECP'S (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. RECP'S WILL UNROLL WITH APPROPRIATE SIDE AGAINST SOIL SURFACE. ALL RECP'S MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
- THE EDGES OF PARALLEL RECP'S MUST BE STAPLED WITH APPROXIMATELY 2"-5" (5 CM - 12.5 CM) OVERLAP DEPENDING ON RECP'S TYPE.
- CONSECUTIVE RECP'S SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5 CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30 CM) APART ACROSS ENTIRE RECP'S WIDTH.



STAPLE PLACEMENTS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. SEE STAPLE PATTERN GUIDES FOR ACTUAL RECOMMENDED PLACEMENTS.

NOTE:

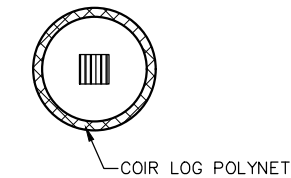
\*IN LOOSE SOIL, CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY SECURE THE RECP'S.

03.15.2016

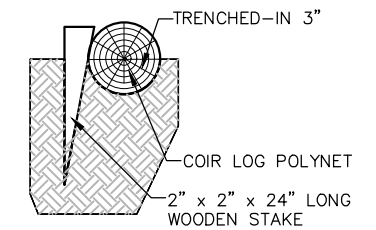
NOTES:

- DO NOT SCALE DRAWING.
- REFER TO MANUFACTURER'S PRODUCT SPECIFICATIONS TO ENSURE QUALITY OF THE PRODUCTS

PLAN VIEW



SECTION VIEW



DROP INLET OR MANHOLE  
INLET PROTECTION FOR DROP INLETS OR MANHOLES

\* USE 9LB DENSITY 12" DIAMETER, 20' LONG COIR LOG POLYNET FOR STANDARD CIRCULAR DRAINAGE STRUCTURES. PLACE THE COIR LOG AROUND THE STRUCTURE AND JOIN THE ENDS TOGETHER WITH COIR TWINE. USE 2"x2"x24" WOODEN STAKES SPACED 3' APART TO HOLD DOWN LOG POLYNET.

MAINTENANCE

- CLEAN OUT SEDIMENT BEHIND LOG WHEN 1/2 FULL
- RESECURE LOOSE LOGS
- REPLACE LOGS AS NEEDED
- REMOVE WHEN NOT NEEDED

03.15.2016



EROSION CONTROL BLANKET SLOPE INSTALLATION



COIR ROLL DETAIL  
INLET PROTECTION

FILE NAME = 4370.120-DT1.dwg	USER NAME = DOMINIC OLESAK
PLOT SCALE = 1" = .1667'	PLOT DATE = 2/14/2022 9:56 AM

DESIGNED - MGFC	REVISED -
DRAWN - PJS	REVISED -
CHECKED - MGFC	REVISED -
DATE - 2/11/2022	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SOIL EROSION AND SEDIMENT CONTROL NOTES AND DETAILS  
ITEP PEDESTRIAN PATH IMPROVEMENTS

SCALE N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	42
CONTRACT #			61H66	

ILLINOIS FED. AID PROJECT

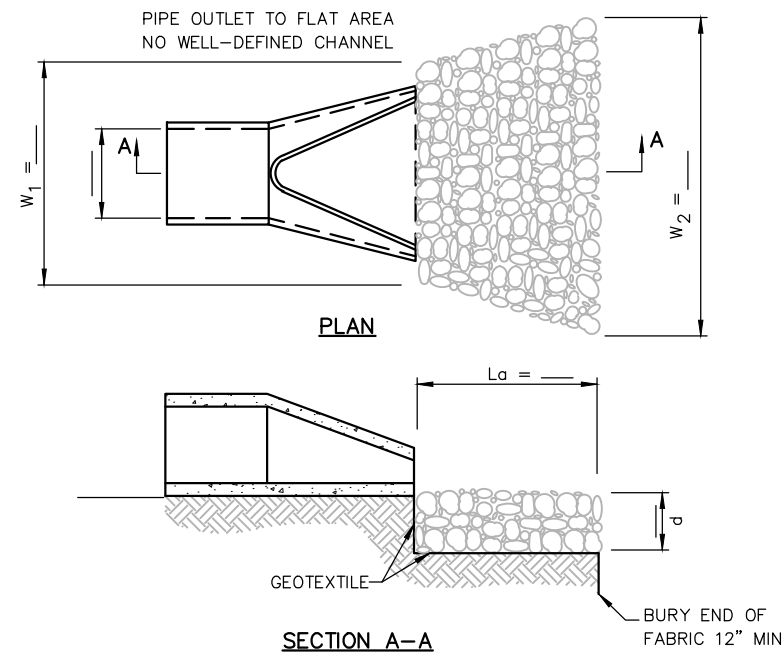
### RIP-RAP SIZING REQUIREMENTS

Structure #	FES size	Rock Size	Rock Thickness (d)	Top Width (W <sub>1</sub> )	Bottom Width (W <sub>2</sub> )	Length L <sub>a</sub>	Area (SY)
FES #	0" Dia	RR-3	0"	0'	0'	0'	0.0
FES #	0" Dia	RR-4	0"	0'	0'	0'	0.0
FES #	0" Dia	RR-3	0"	0'	0'	0'	0.0

ALL GEOTEXTILE SHALL BE NON-WOVEN TABLE 1 CLASS 2 MATERIAL  
 STONE RIP-RAP SHALL CONFORM TO QUALITY AND GRADATION AS NOTED IN SEC 1005 OF IDOT SSRB

**NOTES:**

1. ALL GEOTEXTILE SHALL BE NON-WOVEN TABLE 1, CLASS 2 MATERIAL.
2. THE RIPRAP SHALL BE PLACED ACCORDING TO CONSTRUCTION SPECIFICATION 61 LOOSE ROCK RIPRAP. THE ROCK MAY BE EQUIPMENT PLACED.



03.15.2016

03.15.2016



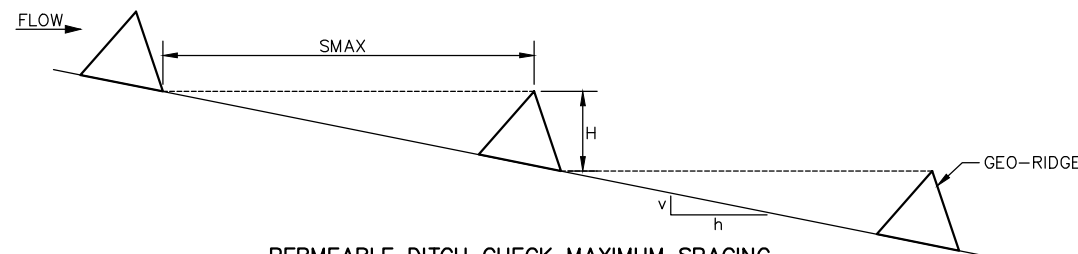
RIP-RAP SIZING REQUIREMENTS



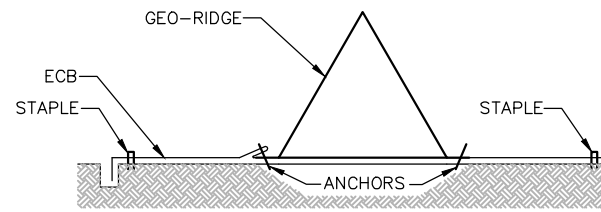
PIPE OUTLET TO FLAT AREA

**NOTES:**

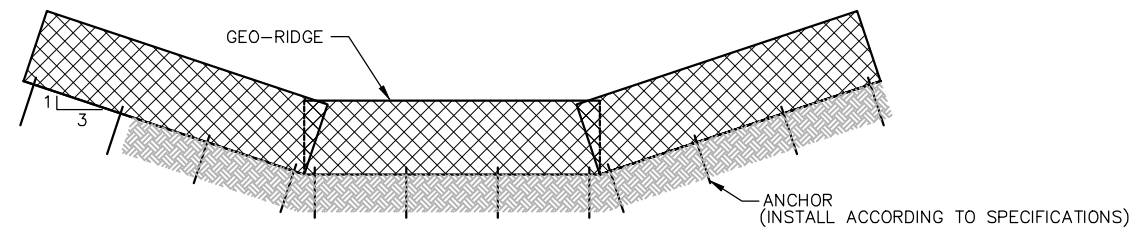
1. THE PERMEABLE DITCH CHECK SHALL BE GEO-RIDGE, OR EQUIVALENT.
2. THE PERMEABLE DITCH CHECK SHALL BE ANCHORED WITH 10" GALVANIZED ARDOX SPIKES WITH A 3/8" X 1.5" GALVANIZED WASHER.
3. THE EROSION CONTROL BLANKET (ECB) SHALL BE A MACHINE-PRODUCED MAT OF 100% COCONUT FIBER MATRIX STITCH BONDED WITH UV STABILIZED THREAD BETWEEN TWO UV STABILIZED POLYPROPYLENE NETTINGS. THE ECB SHALL BE C125 AS MANUFACTURED BY NORTH AMERICAN GREEN (NAG), OR EQUIVALENT.
4. THE PERMEABLE DITCH CHECK SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
5. THE PERMEABLE DITCH CHECK SHALL BE CLEANED WHEN SEDIMENT HAS ACCUMULATED HALF THE HEIGHT OF THE DITCH CHECK.
6. THE PERMEABLE DITCH CHECK SHALL BE REMOVED ONLY AFTER SITE HAS ACHIEVED FULL STABILIZATION.
7. THE DEGRADEABLE VERSION SHALL ONLY BE USED ON TOP OF AN EROSION CONTROL BLANKET, TURF REINFORCEMENT MAT OR STABILIZED AREA.



PERMEABLE DITCH CHECK MAXIMUM SPACING



PERMEABLE DITCH CHECK CROSS-SECTION



TYPICAL DITCH CROSS-SECTION

03.15.2016



GEO-RIDGE PERMEABLE DITCH CHECK

FILE NAME = 4370.120-DT1.dwg  
 USER NAME = DOMINIC OLESAK  
 PLOT SCALE = 1" = .1667'  
 PLOT DATE = 2/14/2022 9:56 AM

DESIGNED - MGFC	REVISED -
DRAWN - PJS	REVISED -
CHECKED - MGFC	REVISED -
DATE - 2/11/2022	REVISED -

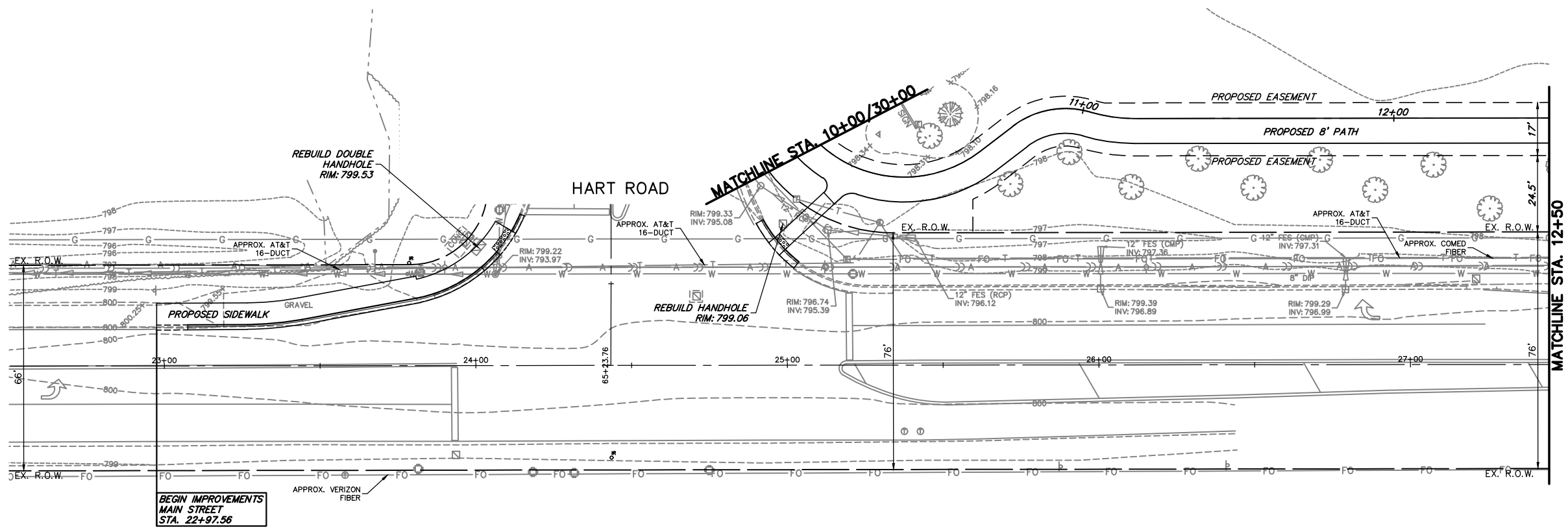
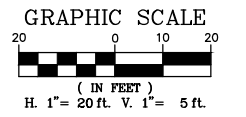
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SOIL EROSION AND SEDIMENT CONTROL NOTES AND DETAILS  
 ITEP PEDESTRIAN PATH IMPROVEMENTS

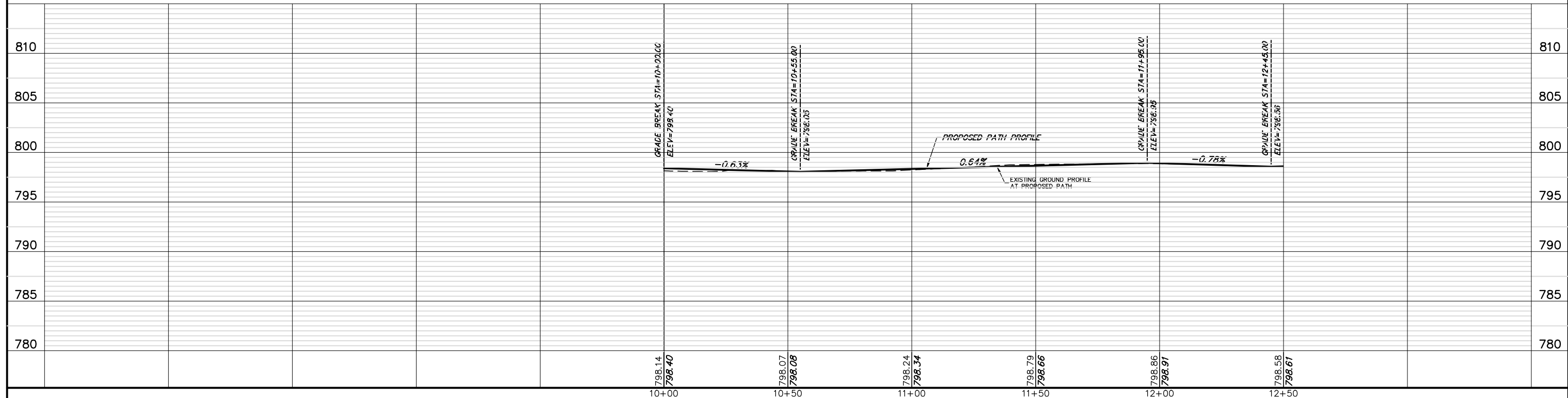
SCALE N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	43
CONTRACT #			61H66	

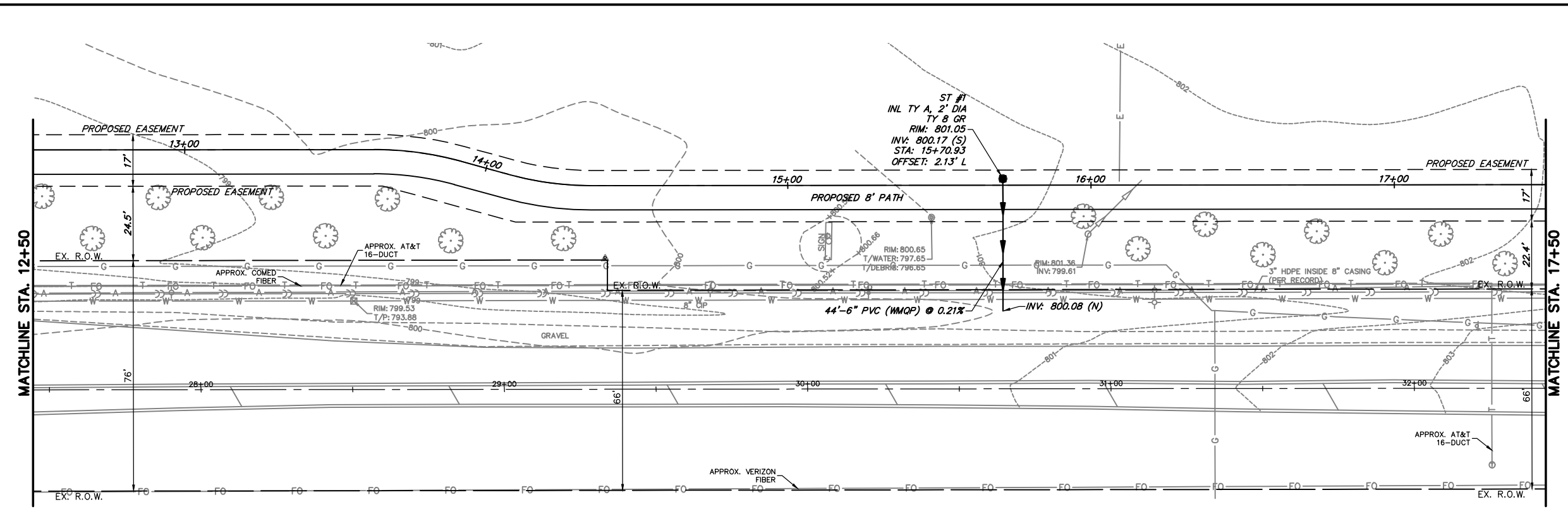
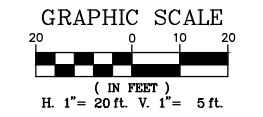
ILLINOIS FED. AID PROJECT



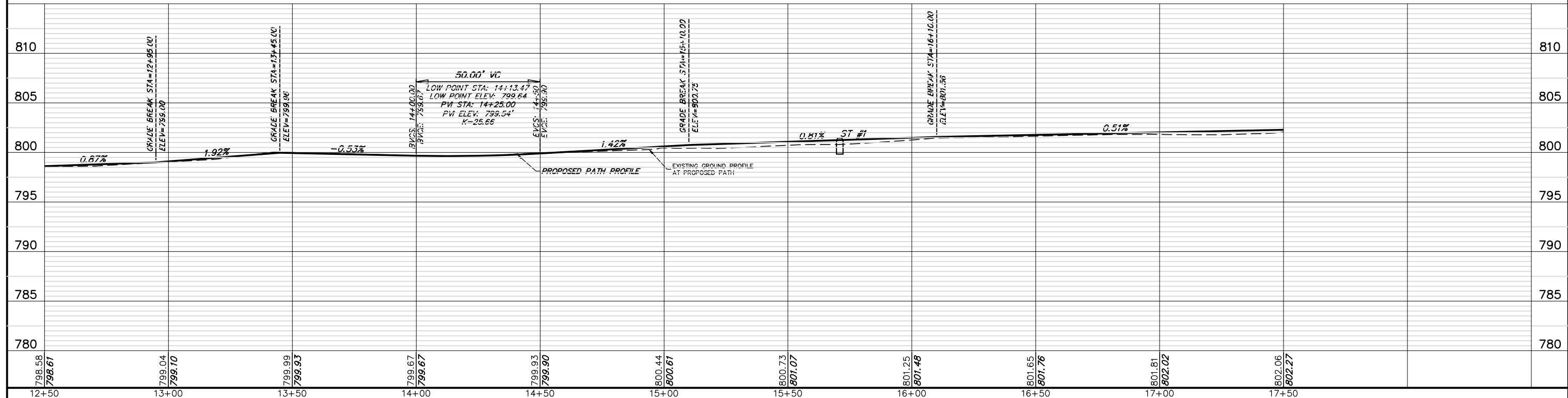
**LAKE COOK ROAD**



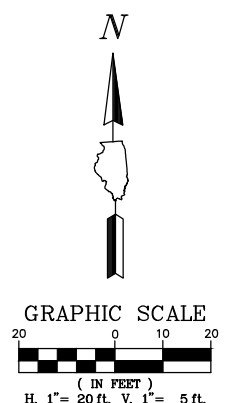
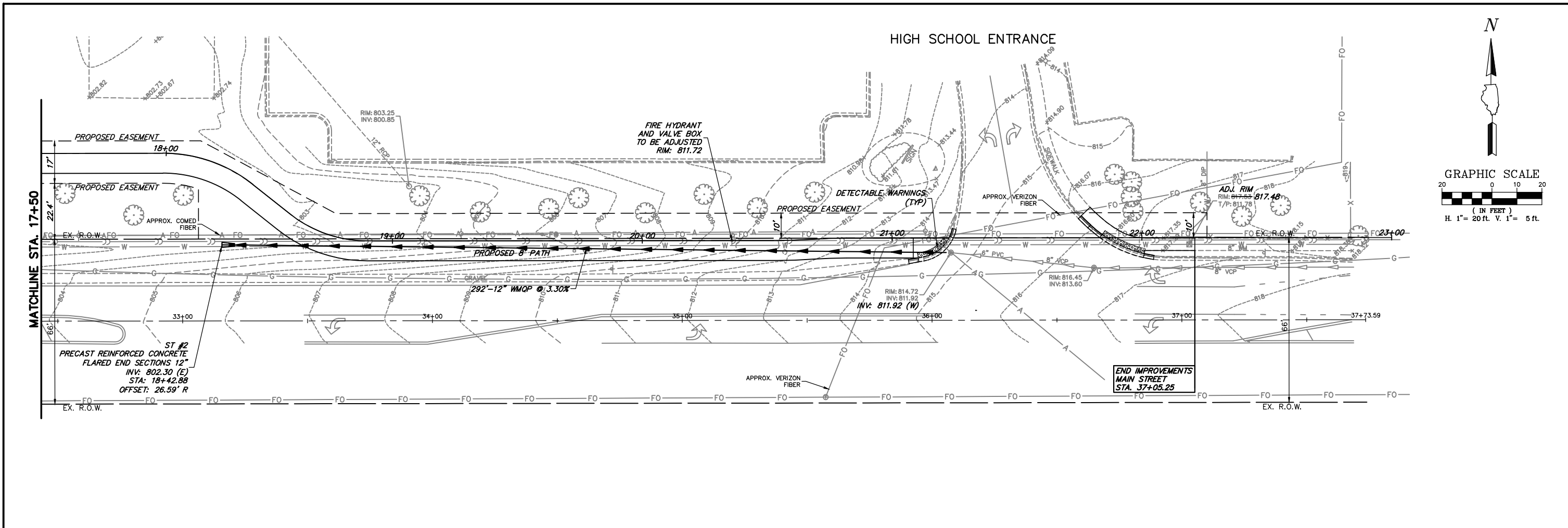
FILE NAME = 4370.120-PR1.dwg	USER NAME = DOMINIC OLESAK	DESIGNED - MGFC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE AND UTILITY PLAN ITEP PEDESTRIAN PATH IMPROVEMENTS</b>	FALL RTE 2549 1270	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 44	
PLOT SCALE = 1" = .1667'	CHECKED - MGFC	REVISED -	SCALE AS NOTED			SHEET NO. 1 OF 9 SHEETS	STA. 10+00 TO STA. 12+50	CONTRACT # 61H66		ILLINOIS FED. AID PROJECT	
PLOT DATE = 2/14/2022 9:57 AM	DATE - 2/11/2022	REVISED -									



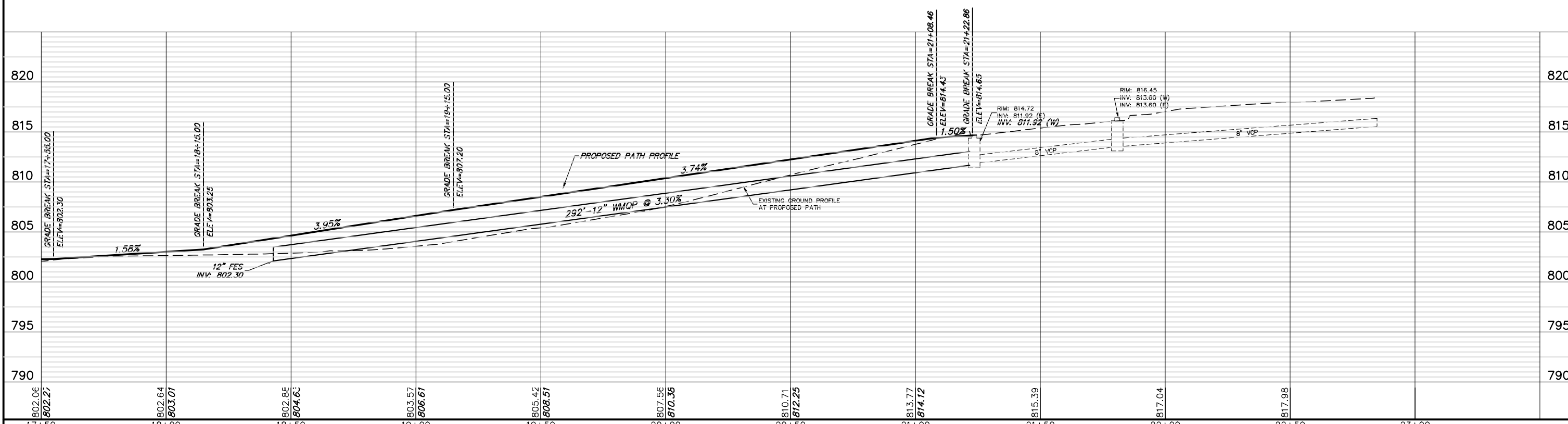
**LAKE COOK ROAD**



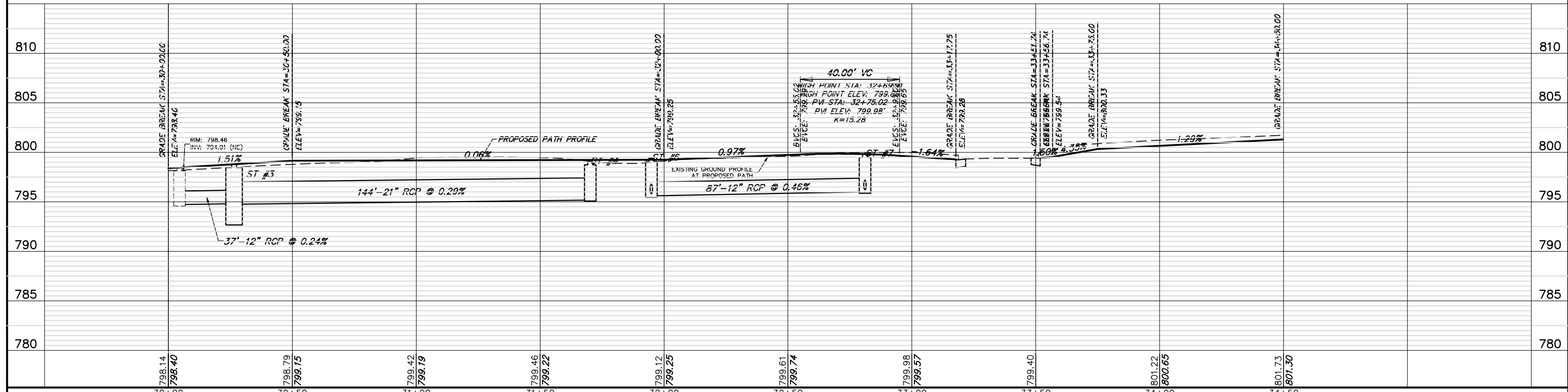
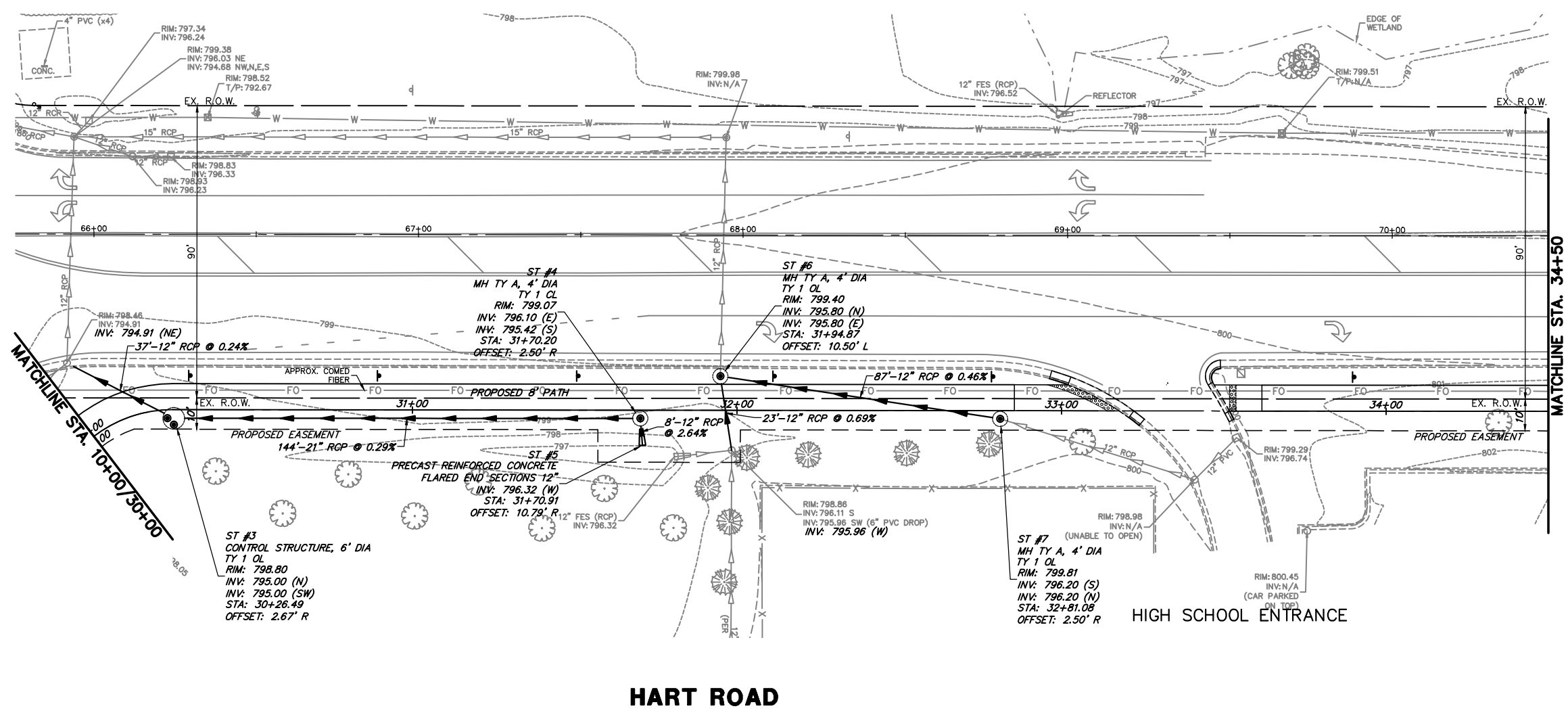
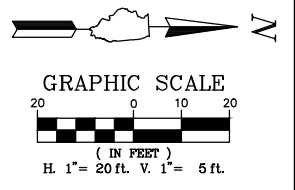
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	PLOT SCALE = 1" = .1667'	DRAWN - PJS	REVISED -		SCALE AS NOTED	SHEET NO. 2 OF 9 SHEETS	STA. 12+50 TO STA. 17+50	CONTRACT # 61H66		ILLINOIS FED. AID PROJECT	
	PLOT DATE = 2/14/2022 9:57 AM	CHECKED - MGFC	REVISED -								
		DATE - 2/11/2022	REVISED -								



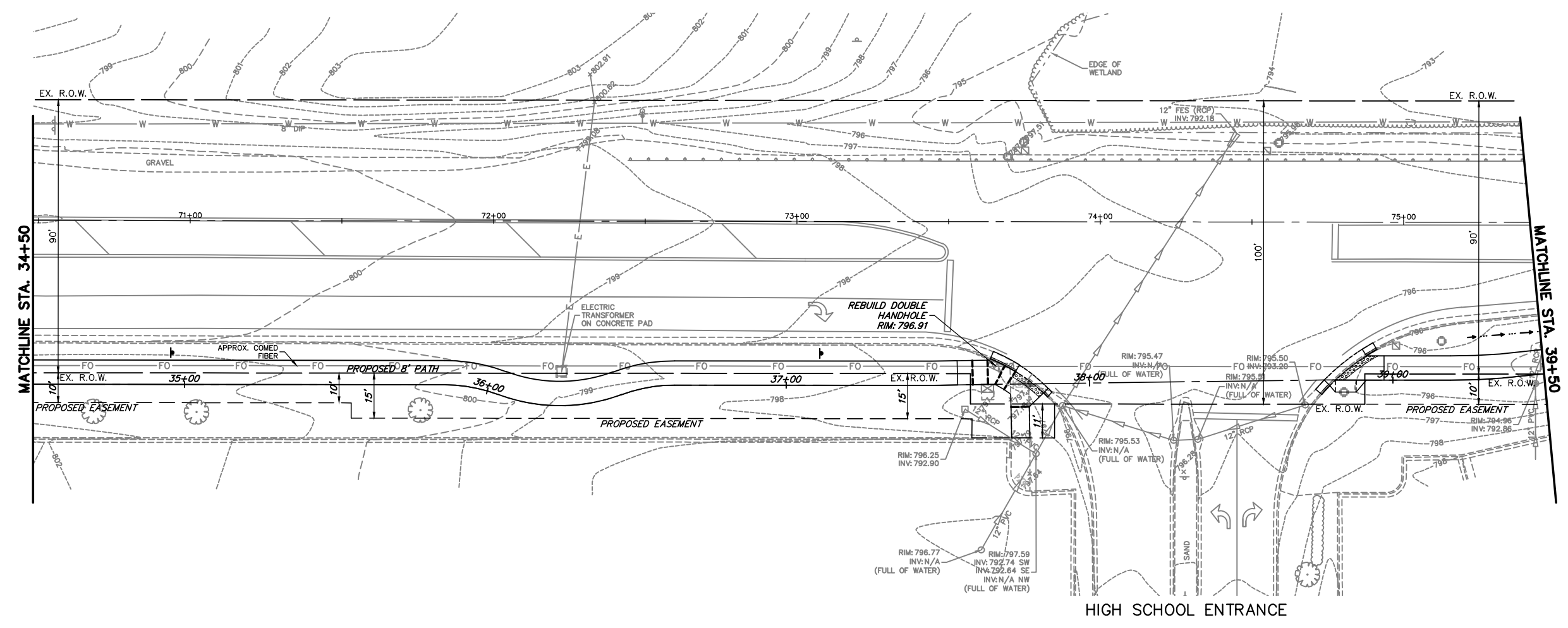
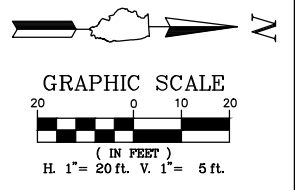
**LAKE COOK ROAD**



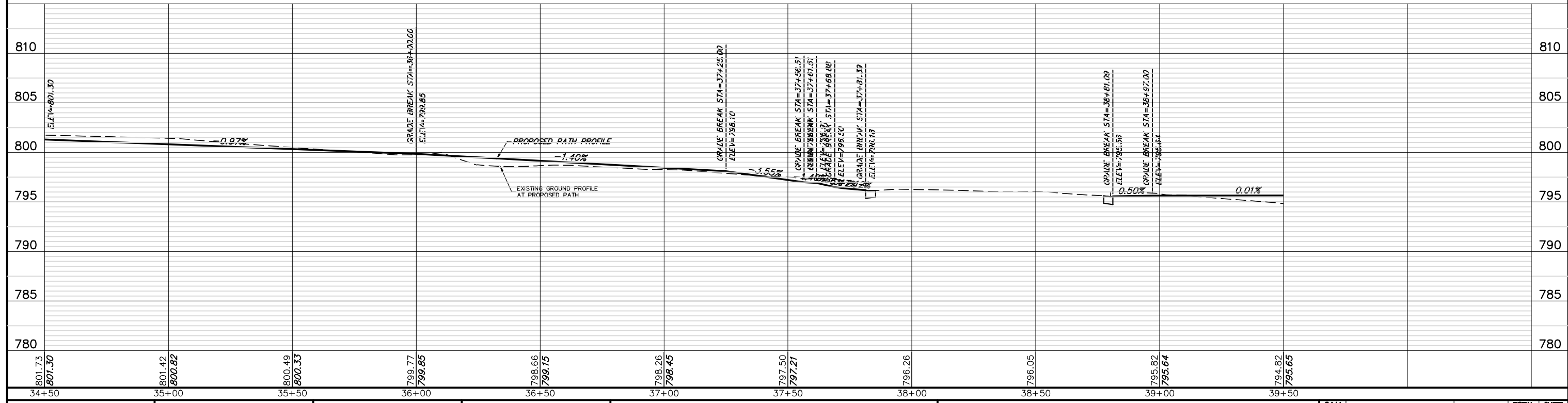
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	PLOT SCALE = 1" = .1667'	DRAWN - PJS	REVISED -			SCALE AS NOTED	SHEET NO. 3 OF 9 SHEETS	CONTRACT #	ILLINOIS FED. AID PROJECT		
	PLOT DATE = 2/14/2022 9:57 AM	CHECKED - MGFC	REVISED -			STA. 17+50	TO STA. 23+00				
		DATE - 2/11/2022	REVISED -								



FILE NAME = 4370.120-PR1.dwg	USER NAME = DOMINIC OLESAK	DESIGNED - MGFC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE AND UTILITY PLAN ITEP PEDESTRIAN PATH IMPROVEMENTS</b>	FAU RTE 2549 1276	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 47	
PLOT SCALE = 1" = .1667'	CHECKED - MGFC	REVISOR - PJS	REVISOR -			SCALE AS NOTED	SHEET NO. 4 OF 9 SHEETS	CONTRACT # 61H66	ILLINOIS FED. AID PROJECT		
PLOT DATE = 2/14/2022 9:57 AM	DATE - 2/11/2022	REVISOR -	REVISOR -			STA. 30+00	TO STA. 34+50				



**HART ROAD**



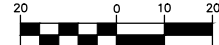
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	PLOT SCALE = 1" = .1667'	CHECKED - MGFC	REVISED -			SCALE AS NOTED	SHEET NO. 5 OF 9 SHEETS	CONTRACT #	61H66	ILLINOIS FED. AID PROJECT	
	PLOT DATE = 2/14/2022 9:57 AM	DATE - 2/11/2022	REVISED -			STA. 34+50	TO STA. 39+50				



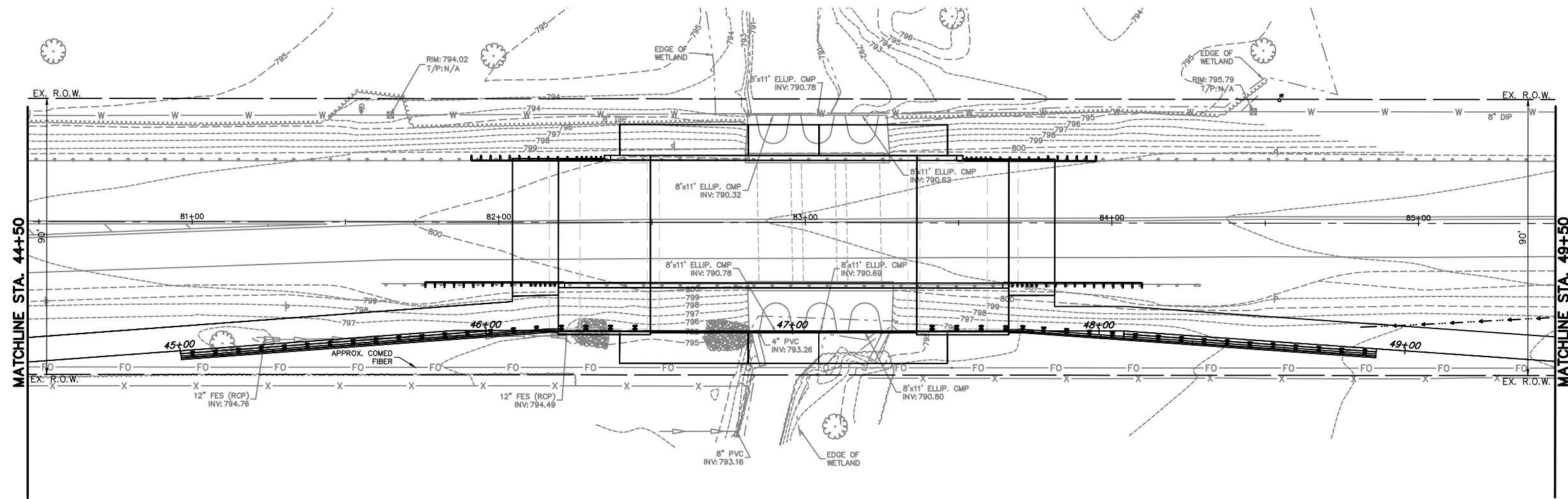




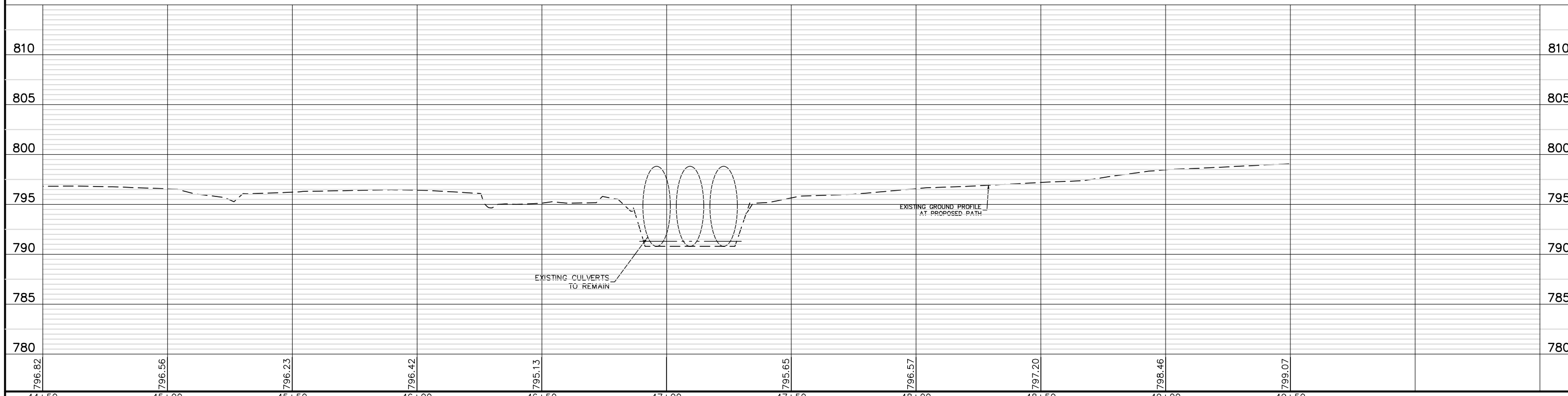
GRAPHIC SCALE



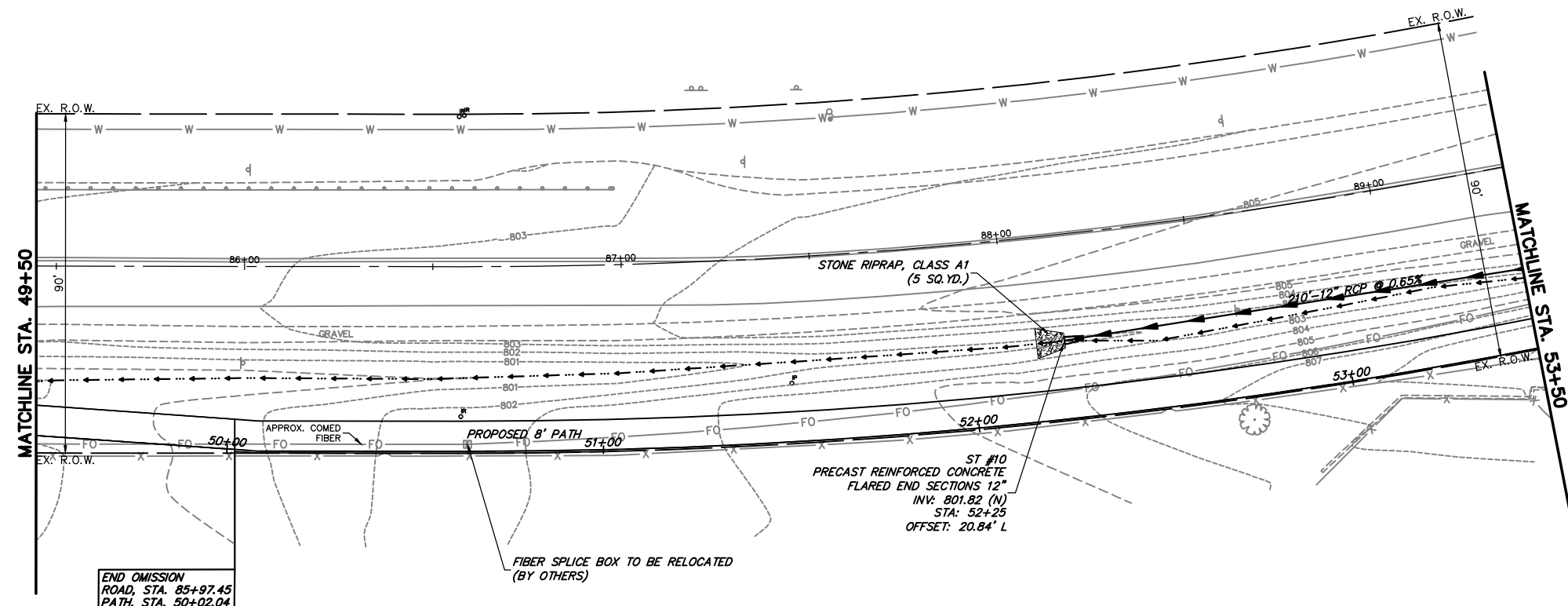
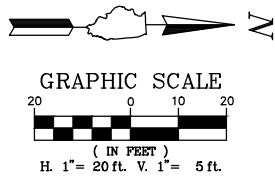
( IN FEET )  
H. 1" = 20 ft. V. 1" = 5 ft.



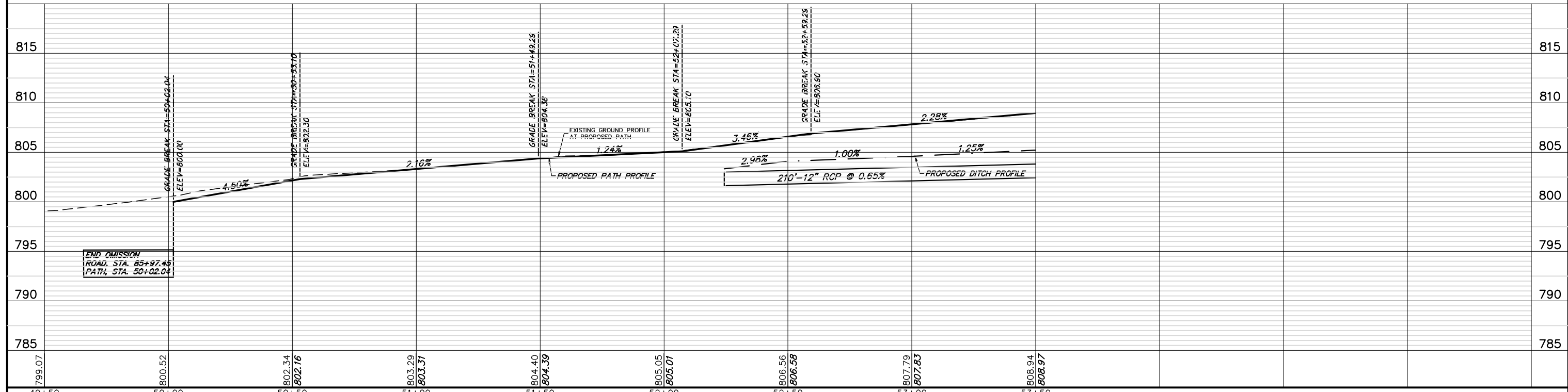
### HART ROAD



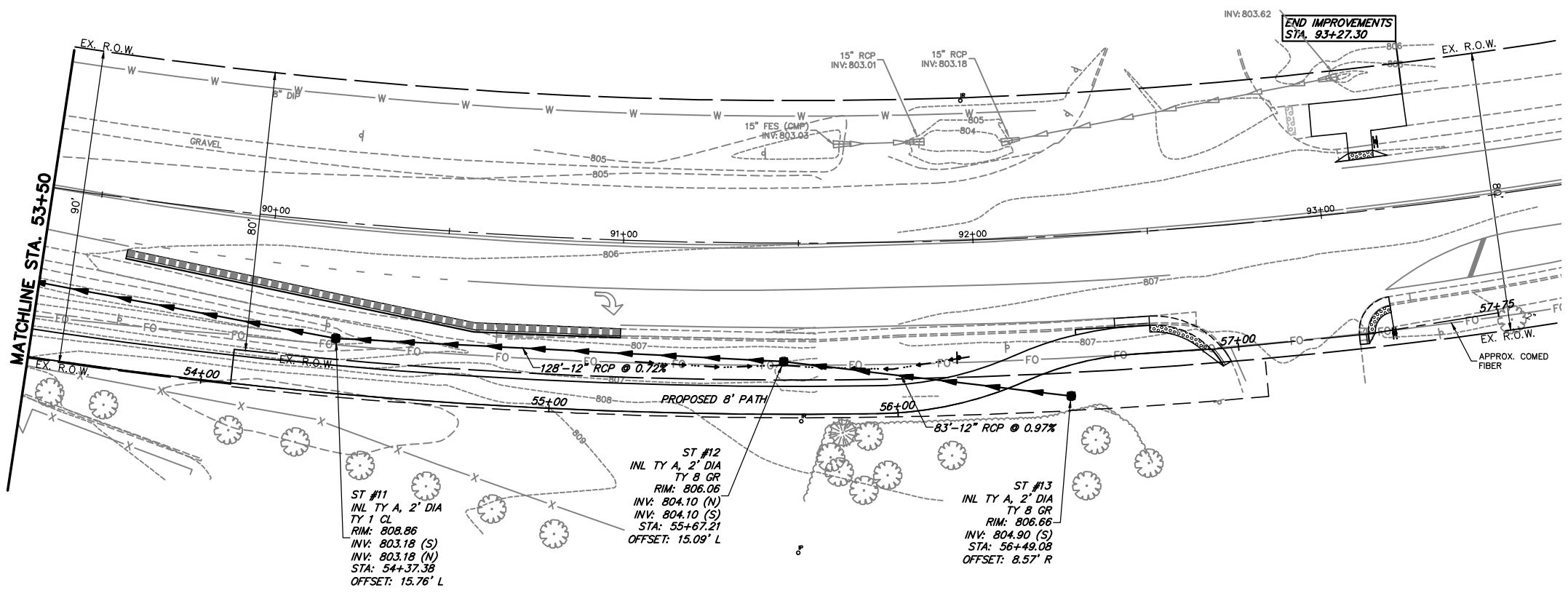
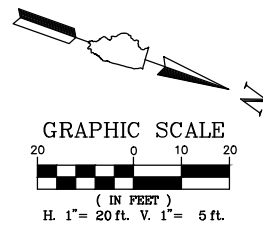
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	PLOT SCALE = 1" = .1667'	CHECKED - MGFC	REVISED -							CONTRACT # 61H66					
	PLOT DATE = 2/14/2022 9:58 AM	DATE - 2/11/2022	REVISED -												



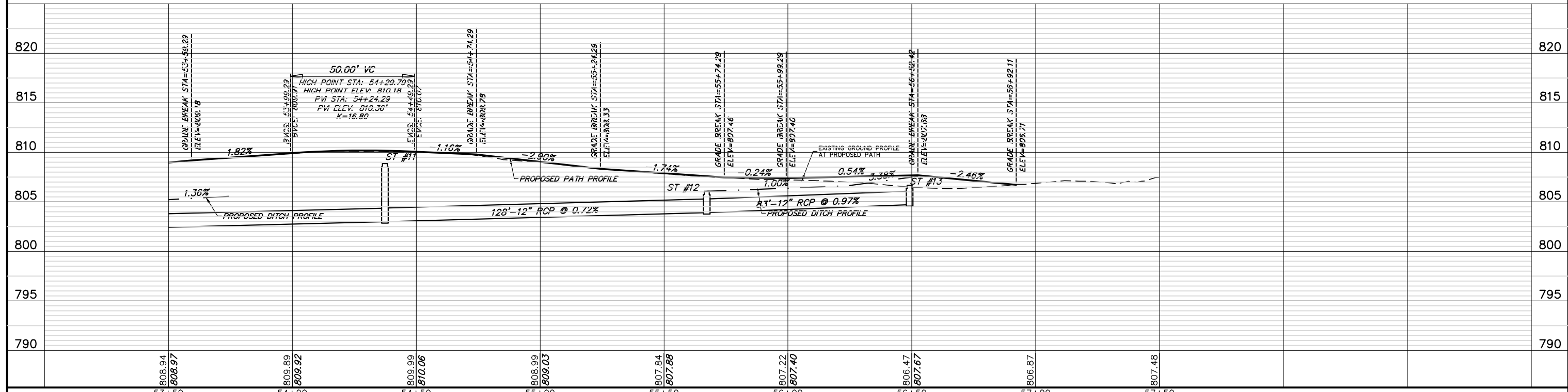
**HART ROAD**



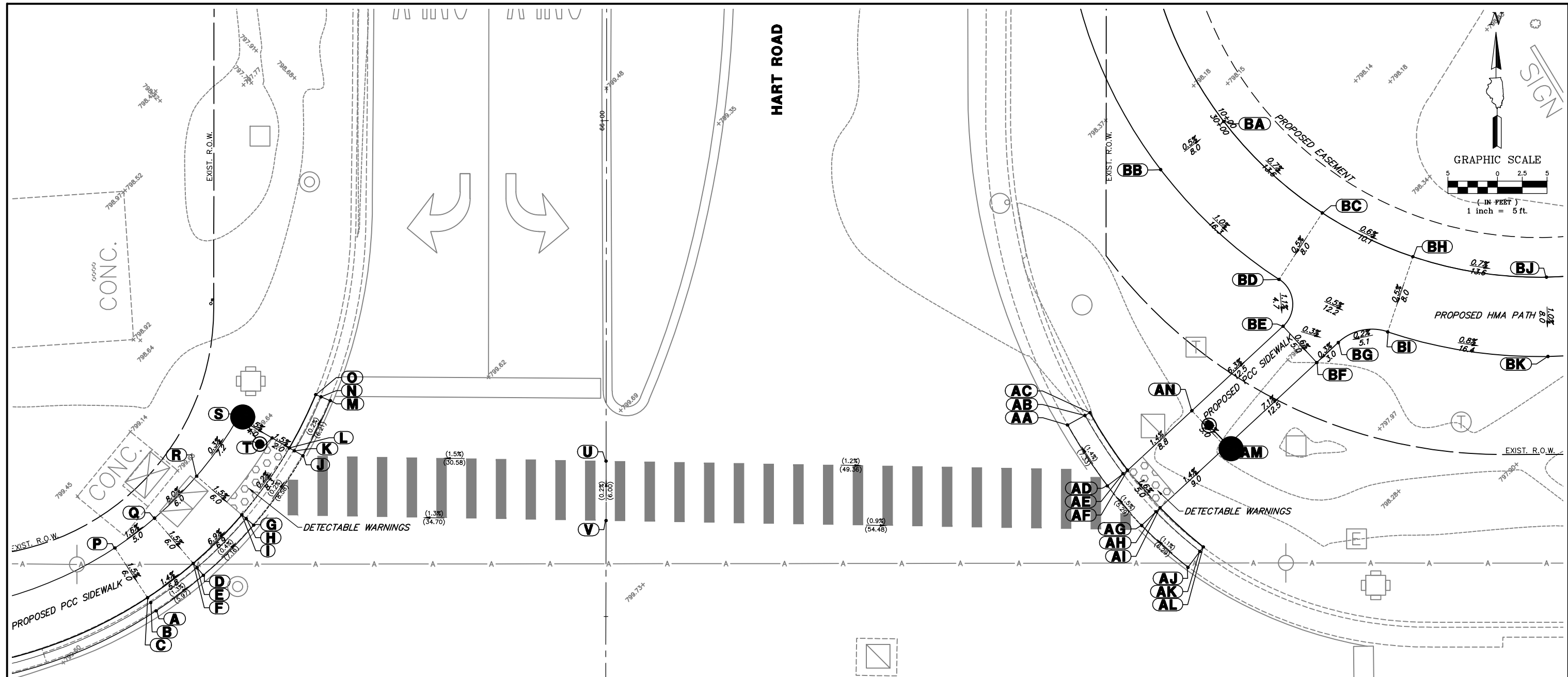
FILE NAME = 4370.120-PR1.dwg	USER NAME = DOMINIC OLESAK	DESIGNED - MGFC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE AND UTILITY PLAN ITEP PEDESTRIAN PATH IMPROVEMENTS</b>	FALL RTE 2549 1270	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 51	
	PLOT SCALE = 1" = .1667'	DRAWN - PJS	REVISED -			SCALE AS NOTED	SHEET NO. 8 OF 9 SHEETS	CONTRACT # 61H66	ILLINOIS FED. AID PROJECT		
	PLOT DATE = 2/14/2022 9:58 AM	CHECKED - MGFC	REVISED -			STA. 49+50	TO STA. 53+50				
		DATE - 2/11/2022	REVISED -								



**HART ROAD**



FILE NAME = 4370.120-PR1.dwg	USER NAME = DOMINIC OLESAK	DESIGNED - MGFC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE AND UTILITY PLAN ITEP PEDESTRIAN PATH IMPROVEMENTS</b>	SCALE AS NOTED	SHEET NO. 9 OF 9 SHEETS	STA. 53+50 TO STA. 57+50	FALL RTE. 2549 1270	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 52
PLOT SCALE = 1" = .1667'	CHECKED - MGFC	DATE - 2/11/2022	REVISED -			CONTRACT # 61H66	ILLINOIS FED. AID PROJECT						



ADA POINTS BASED OFF HART ROAD Q ALIGNMENT

ADA GRADING TABLE			
STATION	OFFSET	ELEVATION	
A	65+50.5	45.4' L	799.35
B	65+51.4	45.9' L	799.29
C	65+51.8	46.2' L	799.79
D	65+54.1	40.6' L	799.27
E	65+54.9	41.3' L	799.21
F	65+55.3	41.6' L	799.71
G	65+59.2	35.5' L	799.24
H	65+59.8	36.3' L	799.19
I	65+60.2	36.7' L	799.23
J	65+66.2	30.6' L	799.22
K	65+66.7	31.4' L	799.17
L	65+67	32.0' L	799.21
M	65+71.7	27.8' L	799.21

ADA GRADING TABLE			
STATION	OFFSET	ELEVATION	
N	65+72.1	28.8' L	799.15
O	65+72.3	29.3' L	799.65
P	65+56.9	49.5' L	799.88
Q	65+59.9	45.5' L	799.80
R	65+64.1	41.3' L	799.32
S	65+70	37.1' L	799.30
T	65+68	33.7' L	799.24
U	65+65.7	0.0'	799.69
V	65+59.7	0.0'	799.70

LAKE COOK ROAD

ADA POINTS BASED OFF LAKE COOK ROAD PGL

ADA GRADING TABLE			
STATION	OFFSET	ELEVATION	
AA	10+08.2	32.6' R	799.04
AB	10+08.6	30.7' R	798.98
AC	10+08.7	30.2' R	799.48
AD	10+12	35.0' R	799.14
AE	10+12.3	33.0' R	799.09
AF	10+12.4	32.5' R	799.13
AG	10+14.6	36.4' R	799.22
AH	10+14.9	34.4' R	799.17
AI	10+15	33.9' R	799.21
AJ	10+17.8	37.8' R	799.29
AK	10+18	35.8' R	799.23
AL	10+18.1	35.2' R	799.73
AM	10+16.5	25.3' R	799.08

ADA GRADING TABLE			
STATION	OFFSET	ELEVATION	
AN	10+13.5	23.9' R	799.01

ADA GRADING TABLE			
STATION	OFFSET	ELEVATION	
BA	10+00	0.0'	798.40
BB	10+00	8.0' R	798.44
BC	10+13.6	0.0'	798.31
BD	10+13.6	8.0' R	798.27
BE	10+15.9	11.8' R	798.22
BF	10+19.5	13.5' R	798.19
BG	10+20.3	10.8' R	798.20
BH	10+23.8	0.0'	798.25
BI	10+23.8	8.0' R	798.21
BJ	10+37.5	0.0'	798.16
BK	10+37.5	8.0' R	798.08

FILE NAME = 4370.120-ADA.dwg

USER NAME = DOMINIC OLESAK

PLOT SCALE = 1" = .1667'

PLOT DATE = 2/14/2022 10:00 AM

DESIGNED - MGFC

DRAWN - PJS

CHECKED - MGFC

DATE - 2/11/2022

REVISED -

REVISED -

REVISED -

REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ADA GRADING DETAILS  
ITEP PEDESTRIAN PATH IMPROVEMENTS

SCALE 1"=5'

SHEET NO. 1 OF 5 SHEETS

STA. TO STA.

FAU  
RTE  
2549  
1276

SECTION  
13-00091-00-BT

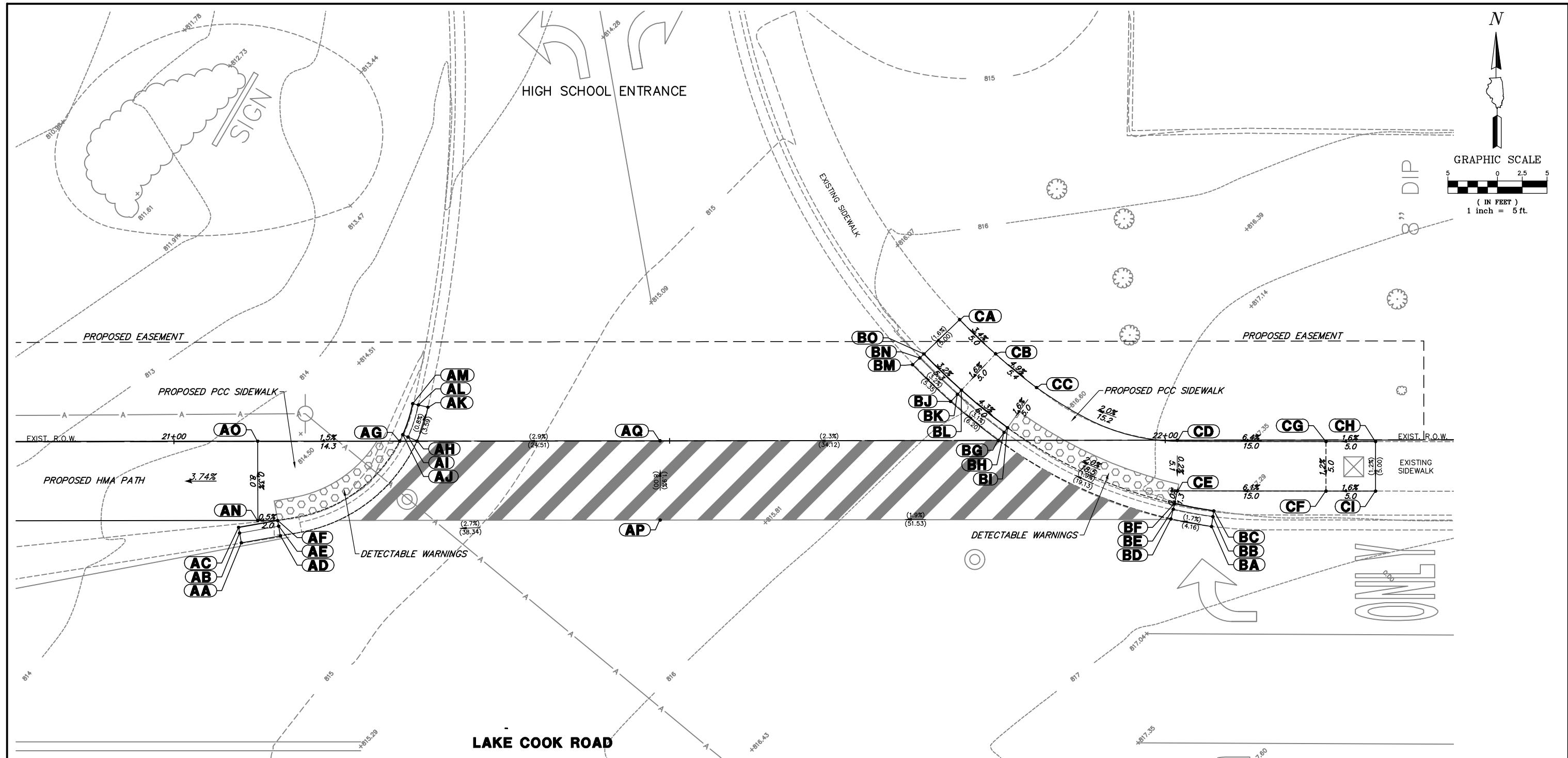
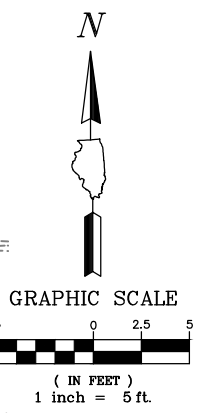
COUNTY  
LAKE

TOTAL SHEETS  
115

SHEET NO.  
53

CONTRACT #  
61H66

ILLINOIS FED. AID PROJECT



ALL ADA POINTS BASED OFF LAKE COOK ROAD PGL

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
AA	21+06.8	10.3' R	814.38
AB	21+06.6	9.3' R	814.32
AC	21+06.5	8.7' R	814.44
AD	21+10.7	9.6' R	814.47
AE	21+10.6	8.6' R	814.42
AF	21+10.5	8.0' R	814.46
AG	21+22.8	0.0'	814.65
AH	21+24.5	0.0'	814.66
AI	21+23.6	0.4' L	814.61

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
AJ	21+23.1	0.6' L	814.65
AK	21+25.6	3.4' L	814.63
AL	21+24.7	3.6' L	814.57
AM	21+24.1	3.8' L	815.07
AN	21+08.5	8.0' R	814.45
AO	21+08.5	0.0'	814.43
AP	21+49	8.0' R	815.51
AQ	21+49	0.0'	815.36

ALL ADA POINTS BASED OFF LAKE COOK ROAD PGL

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
BA	22+04.7	8.7' R	816.58
BB	22+04.8	7.7' R	816.52
BC	22+04.9	7.1' R	817.02
BD	22+00.6	7.9' R	816.51
BE	22+00.8	7.0' R	816.46
BF	22+00.9	6.4' R	816.50
BG	21+83.2	0.0' L	816.14
BH	21+83.8	0.8' L	816.09

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
BI	21+84.1	1.3' L	816.13
BJ	21+78.4	3.9' L	815.95
BK	21+79.1	4.7' L	815.89
BL	21+79.4	5.1' L	816.39
BM	21+74.5	7.7' L	815.78
BN	21+75.2	8.3' L	815.72
BO	21+75.7	8.7' L	816.22

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
CA	21+79.3	12.2' L	816.30
CB	21+82.9	8.8' L	816.47
CC	21+87	5.3' L	816.21
CD	22+01.2	0.0'	816.51
CE	22+01.2	5.1' R	816.50
CF	22+16.2	5.1' R	817.41
CG	22+16.2	0.1' R	817.47
CH	22+21.2	0.2' R	817.55
CI	22+21.2	5.2' R	817.49

FILE NAME = 4370.120-ADA.dwg

USER NAME = DOMINIC OLESAK

DESIGNED - MGFC

REVISED -

DRAWN - PJS

REVISED -

PLOT SCALE = 1" = .1667'

CHECKED - MGFC

REVISED -

PLOT DATE = 2/14/2022 10:00 AM

DATE - 2/11/2022

REVISED -

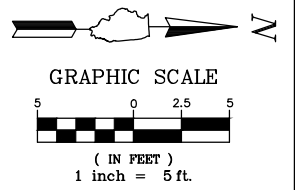
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ADA GRADING DETAILS  
ITEP PEDESTRIAN PATH IMPROVEMENTS**

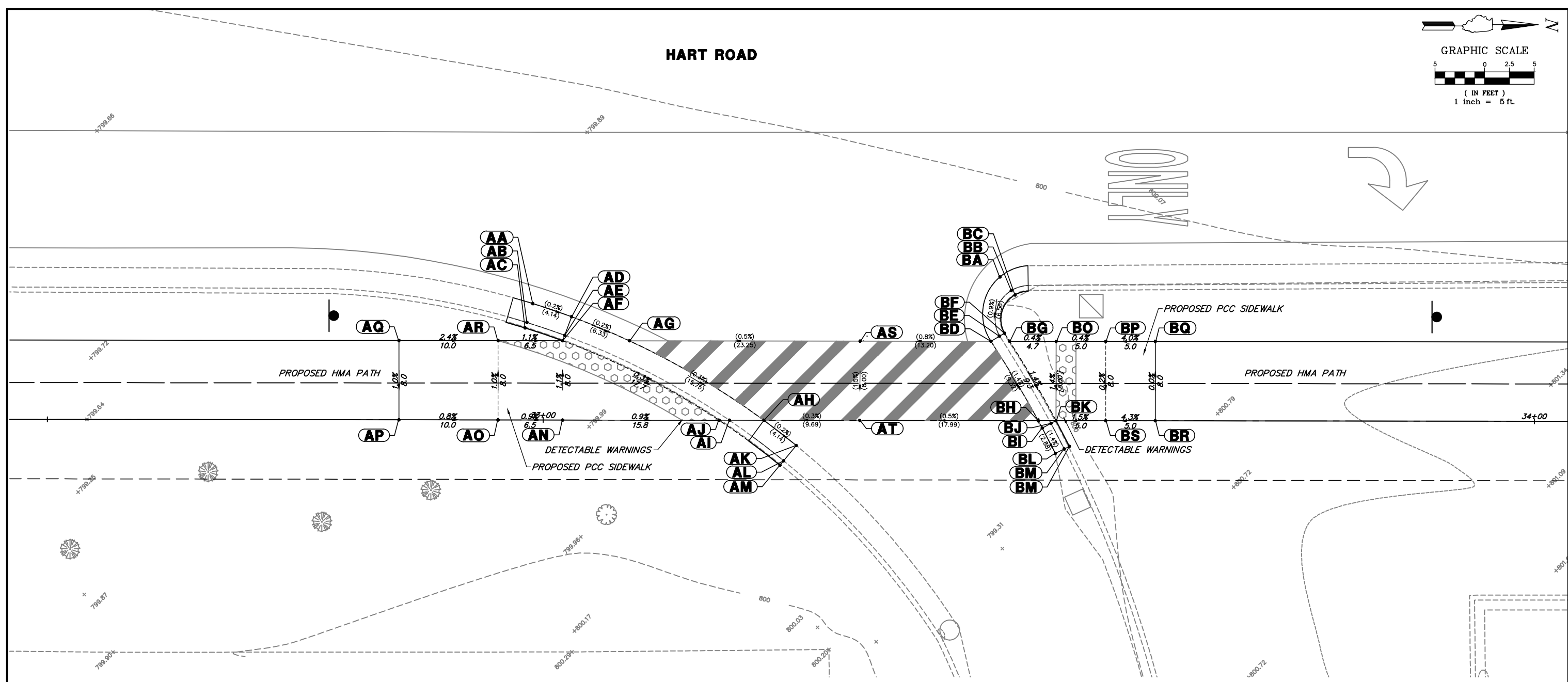
SCALE 1"=5' SHEET NO. 2 OF 5 SHEETS STA. TO STA.

FAU RTE 2549 1276	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 54
CONTRACT #			61H66	

ILLINOIS FED. AID PROJECT



**HART ROAD**



ALL ADA POINTS BASED OFF HART PATH PGL

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
AA	32+98.9	11.8' L	799.42
AB	32+98.3	9.8' L	799.30
AC	32+98.2	9.3' L	799.80
AD	33+02.9	10.4' L	799.41
AE	33+02.2	8.5' L	799.31
AF	33+02	8.0' L	799.35
AG	33+08.7	8.0' L	799.40
AH	33+22.3	0.0'	799.36
AI	33+18.8	0.0'	799.26
AJ	33+17.8	0.0'	799.30

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
AK	33+25.5	2.5' R	799.35
AL	33+24.3	4.1' R	799.23
AM	33+23.9	4.5' R	799.73
AN	33+02	0.0'	799.44
AO	32+95.5	0.0'	799.50
AP	32+85.5	0.0'	799.58
AQ	32+85.5	8.0' L	799.66
AR	32+95.5	8.0' L	799.42
AS	33+32	8.0' L	799.51
AT	33+31.9	0.0' R	799.39

ALL ADA POINTS BASED OFF HART PATH PGL

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
BA	33+46.1	14.5' L	799.67
BB	33+47.2	13.1' L	799.56
BC	33+47.6	12.7' L	800.06
BD	33+45.2	8.0' L	799.61
BE	33+46	8.5' L	799.56
BF	33+46.5	8.8' L	799.60
BG	33+47	8.0' L	799.59
BH	33+49.9	0.0'	799.48
BI	33+50.3	0.7' R	799.47
BJ	33+51.2	0.3' R	799.42

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
BK	33+51.7	0.0'	799.46
BL	33+51.7	3.3' R	799.43
BM	33+53.1	2.6' R	799.88
BM	33+52.6	2.9' R	799.38
BO	33+51.7	8.0' L	799.56
BP	33+56.7	8.0' L	799.53
BQ	33+61.7	8.0' L	799.50
BR	33+61.7	0.0'	799.58
BS	33+56.7	0.0'	799.51

FILE NAME = 4370.120-ADA.dwg

USER NAME = DOMINIC OLESAK

DESIGNED - MGFC

REVISED -

DRAWN - PJS

REVISED -

PLOT SCALE = 1" = .1667'

CHECKED - MGFC

REVISED -

PLOT DATE = 2/14/2022 10:01 AM

DATE - 2/11/2022

REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

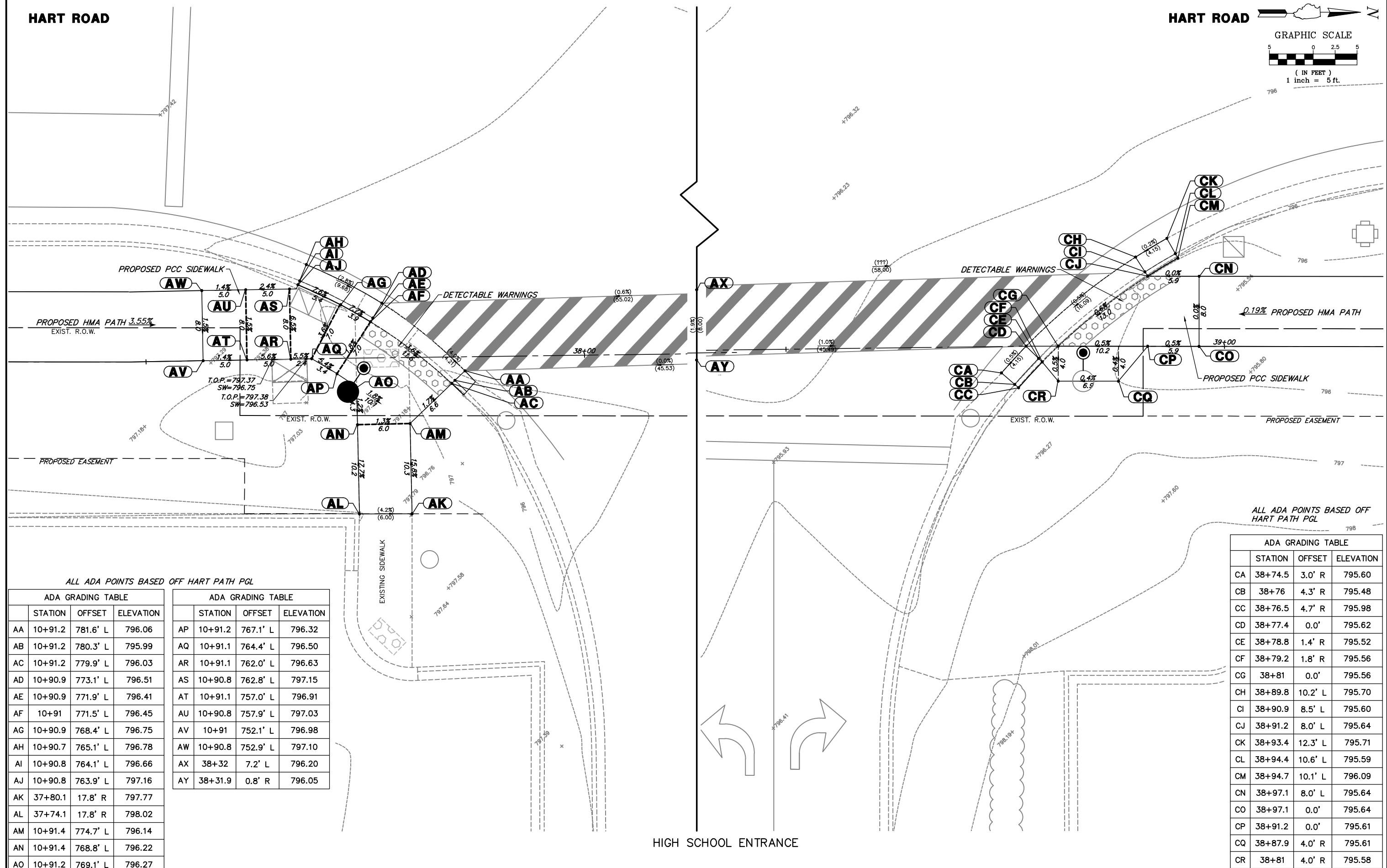
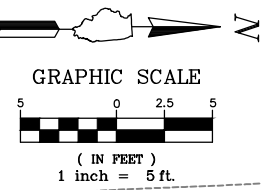
**ADA GRADING DETAILS  
ITEP PEDESTRIAN PATH IMPROVEMENTS**

SCALE 1"=5' SHEET NO. 3 OF 5 SHEETS STA. TO STA.

FAU RTE 2549 1270	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 55
CONTRACT #			61H66	
ILLINOIS FED. AID PROJECT				

HART ROAD

HART ROAD



ALL ADA POINTS BASED OFF HART PATH PGL

ADA GRADING TABLE			
STATION	OFFSET	ELEVATION	
AA	10+91.2	781.6' L	796.06
AB	10+91.2	780.3' L	795.99
AC	10+91.2	779.9' L	796.03
AD	10+90.9	773.1' L	796.51
AE	10+90.9	771.9' L	796.41
AF	10+91	771.5' L	796.45
AG	10+90.9	768.4' L	796.75
AH	10+90.7	765.1' L	796.78
AI	10+90.8	764.1' L	796.66
AJ	10+90.8	763.9' L	797.16
AK	37+80.1	17.8' R	797.77
AL	37+74.1	17.8' R	798.02
AM	10+91.4	774.7' L	796.14
AN	10+91.4	768.8' L	796.22
AO	10+91.2	769.1' L	796.27

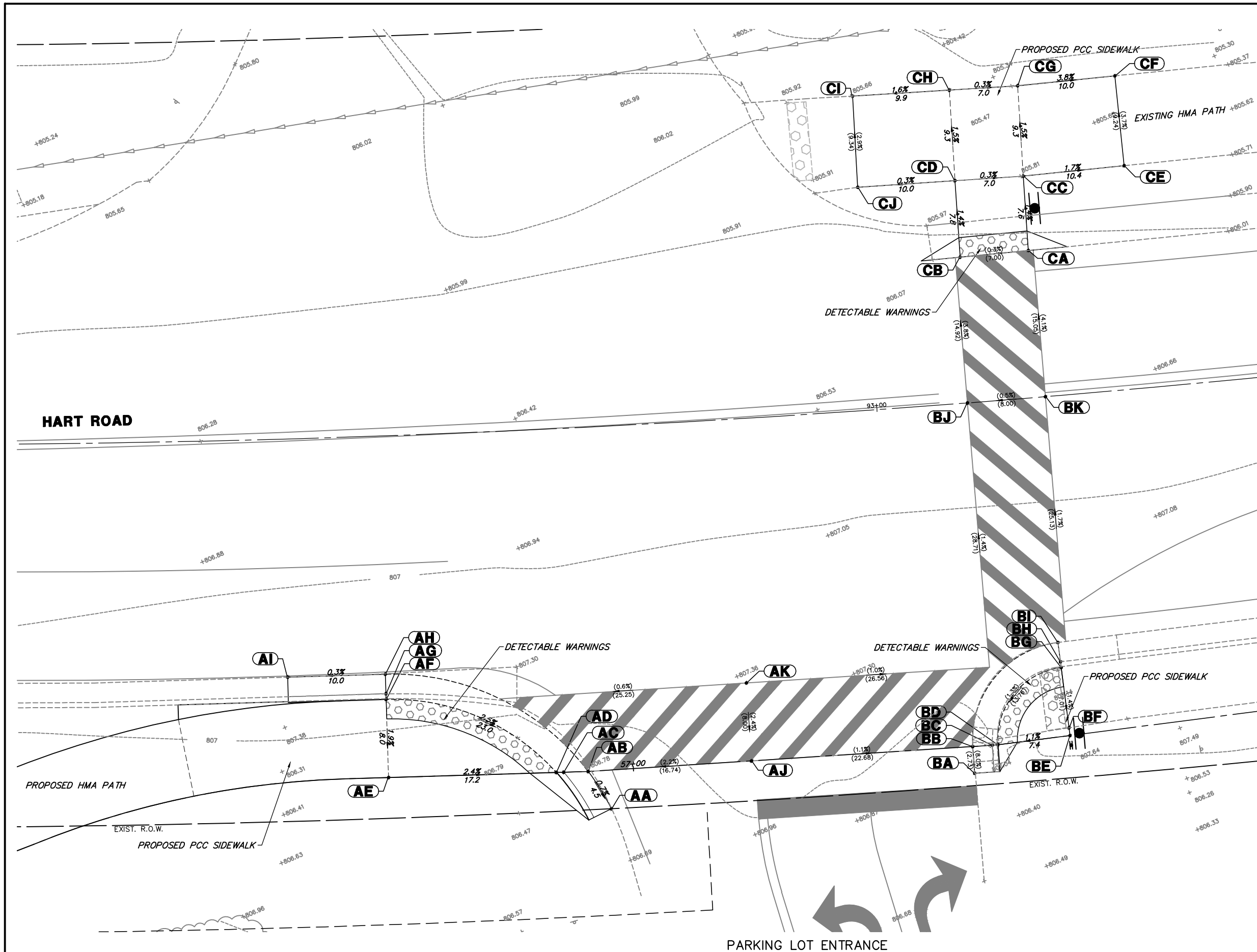
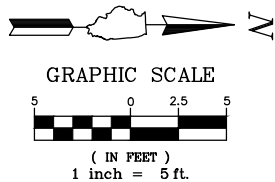
ADA GRADING TABLE			
STATION	OFFSET	ELEVATION	
AP	10+91.2	767.1' L	796.32
AQ	10+91.1	764.4' L	796.50
AR	10+91.1	762.0' L	796.63
AS	10+90.8	762.8' L	797.15
AT	10+91.1	757.0' L	796.91
AU	10+90.8	757.9' L	797.03
AV	10+91	752.1' L	796.98
AW	10+90.8	752.9' L	797.10
AX	38+32	7.2' L	796.20
AY	38+31.9	0.8' R	796.05

ALL ADA POINTS BASED OFF HART PATH PGL

ADA GRADING TABLE			
STATION	OFFSET	ELEVATION	
CA	38+74.5	3.0' R	795.60
CB	38+76	4.3' R	795.48
CC	38+76.5	4.7' R	795.98
CD	38+77.4	0.0'	795.62
CE	38+78.8	1.4' R	795.52
CF	38+79.2	1.8' R	795.56
CG	38+81	0.0'	795.56
CH	38+89.8	10.2' L	795.70
CI	38+90.9	8.5' L	795.60
CJ	38+91.2	8.0' L	795.64
CK	38+93.4	12.3' L	795.71
CL	38+94.4	10.6' L	795.59
CM	38+94.7	10.1' L	796.09
CN	38+97.1	8.0' L	795.64
CO	38+97.1	0.0'	795.64
CP	38+91.2	0.0'	795.61
CQ	38+87.9	4.0' R	795.61
CR	38+81	4.0' R	795.58

HIGH SCHOOL ENTRANCE





ALL ADA POINTS BASED OFF HART PATH PGL

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
AA	56+97.5	4.0' R	806.74
AB	56+95.4	0.0'	806.77
AC	56+92.9	0.0'	806.67
AD	56+92.1	0.0'	806.71
AE	56+74.9	0.0'	807.13
AF	56+74.9	8.0' L	807.28
AG	56+74.9	8.6' L	807.24
AH	56+74.9	10.6' L	807.34
AI	56+65.5	10.7' L	807.31
AJ	57+12.1	0.0' R	807.14
AK	57+12.1	8.0' L	807.33

ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
BA	57+34.8	2.8' R	806.67
BB	57+34.8	0.0' R	806.89
BC	57+36.8	0.0' R	806.93
BD	57+37.4	0.0'	806.97
BE	57+44.8	0.0'	807.05
BF	57+44.8	0.8' L	807.11
BG	57+44.8	7.0' L	807.15
BH	57+44.8	7.6' L	807.11
BI	57+44.8	9.6' L	807.07
BJ	57+38.7	35.1' L	806.63
BK	57+46.7	34.7' L	806.67

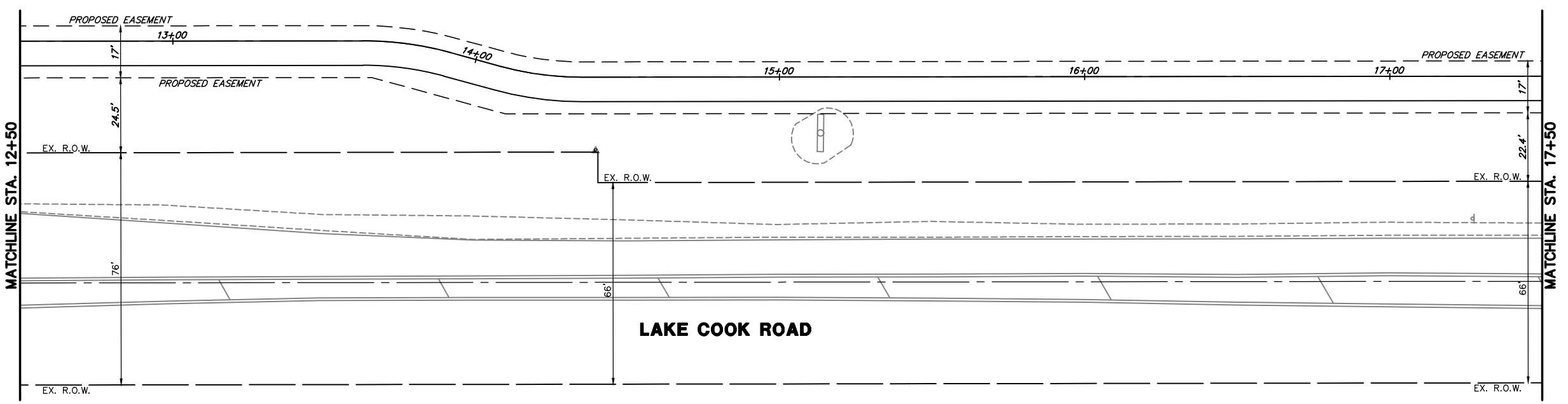
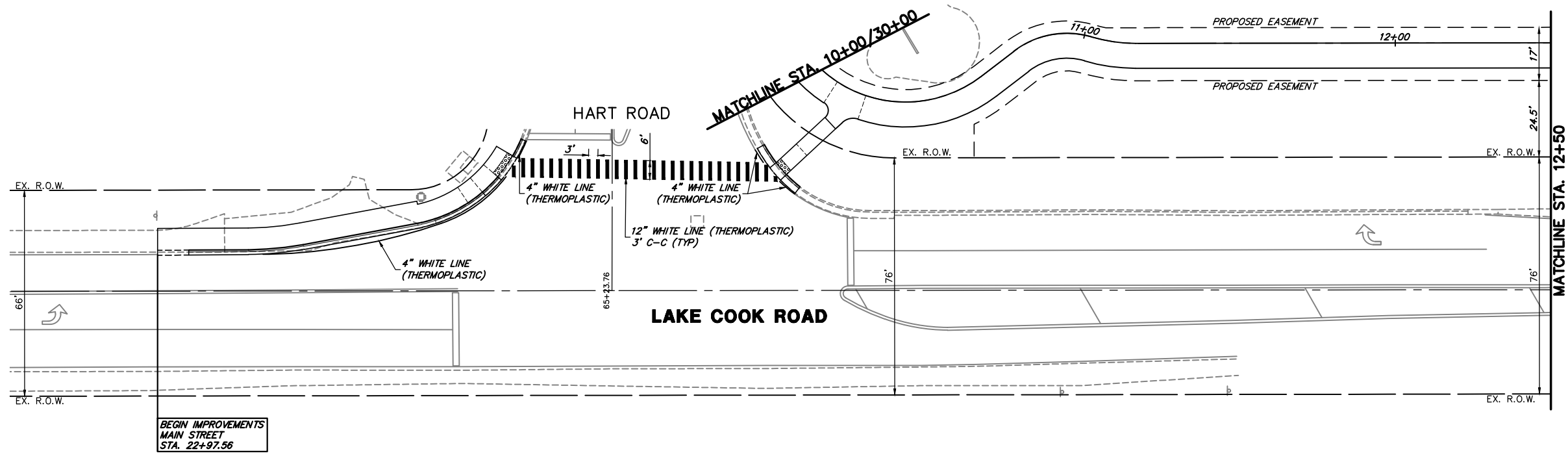
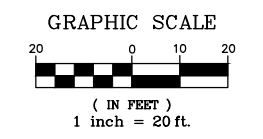
ADA GRADING TABLE			
	STATION	OFFSET	ELEVATION
CA	57+46.9	49.8' L	806.05
CB	57+39.9	50.0' L	806.07
CC	57+47.4	57.4' L	805.94
CD	57+40.4	57.8' L	805.96
CE	57+57.7	57.1' L	805.76
CF	57+58	66.3' L	805.42
CG	57+48	66.6' L	805.80
CH	57+41	67.1' L	805.82
CI	57+26.8	67.2' L	805.66
CJ	57+26.7	57.8' L	805.93

FILE NAME = 4370.120-ADA.dwg	USER NAME = DOMINIC OLESAK	DESIGNED - MGFC	REVISED -
		DRAWN - PJS	REVISED -
		CHECKED - MGFC	REVISED -
		DATE - 2/11/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ADA GRADING DETAILS</b>			
<b>ITEP PEDESTRIAN PATH IMPROVEMENTS</b>			
SCALE 1"=5'	SHEET NO. 5 OF 5 SHEETS	STA.	TO STA.

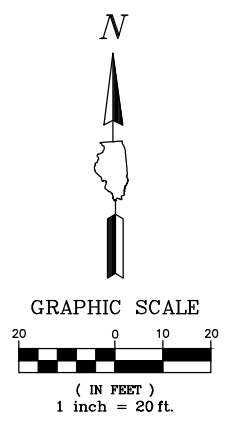
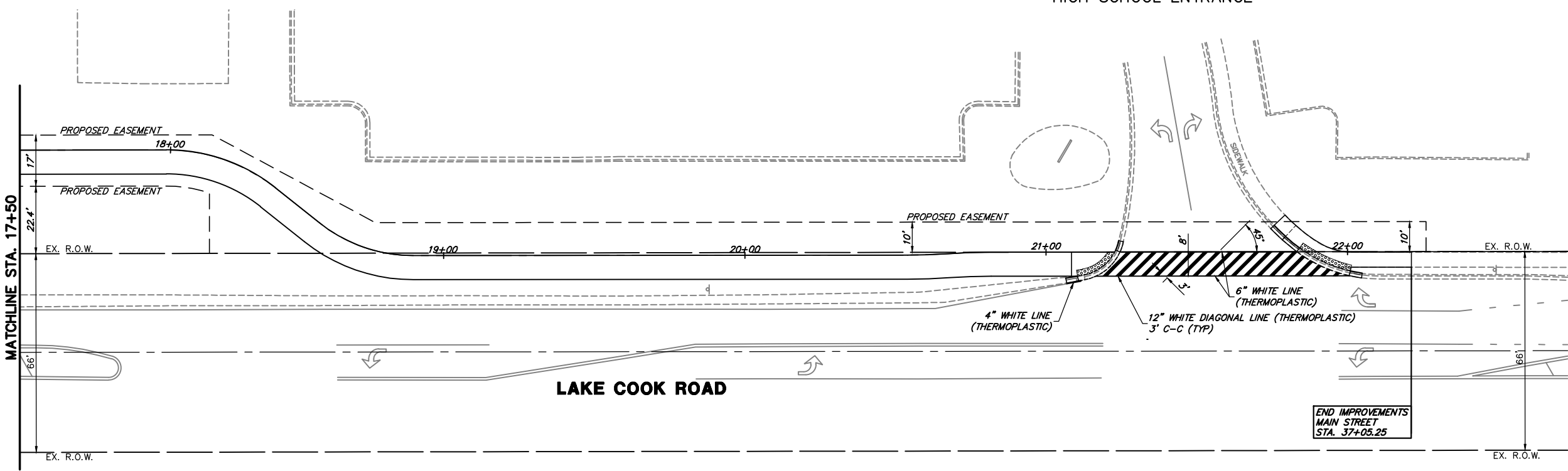
FAU RTE 2549 1270	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 57
CONTRACT #			61H66	
ILLINOIS FED. AID PROJECT				



FILE NAME = 4370.120-PR1.dwg	USER NAME = DOMINIC OLESAK	DESIGNED - MGFC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING PLAN ITEP PEDESTRIAN PATH IMPROVEMENTS</b>		FALL RTE. 2549 1270	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 58
	PLOT SCALE = 1" = .1667'	CHECKED - MGFC	REVISED -				SCALE 1"=20' SHEET NO. 1 OF 5 SHEETS STA. 10+00 TO STA. 17+50		CONTRACT # 61H66		ILLINOIS FED. AID PROJECT
PLOT DATE = 2/14/2022 10:04 AM	DATE - 2/11/2022	REVISED -	REVISED -								

HIGH SCHOOL ENTRANCE

MATCHLINE STA. 17+50



FILE NAME = 4370.120-PR1.dwg

USER NAME = DOMINIC OLESAK

DESIGNED - MGFC

REVISED -

PLOT SCALE = 1" = .1667'

DRAWN - PJS

REVISED -

PLOT DATE = 2/14/2022 10:04 AM

CHECKED - MGFC

REVISED -

DATE - 2/11/2022

REVISED -

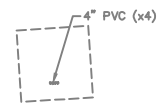
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN  
ITEP PEDESTRIAN PATH IMPROVEMENTS

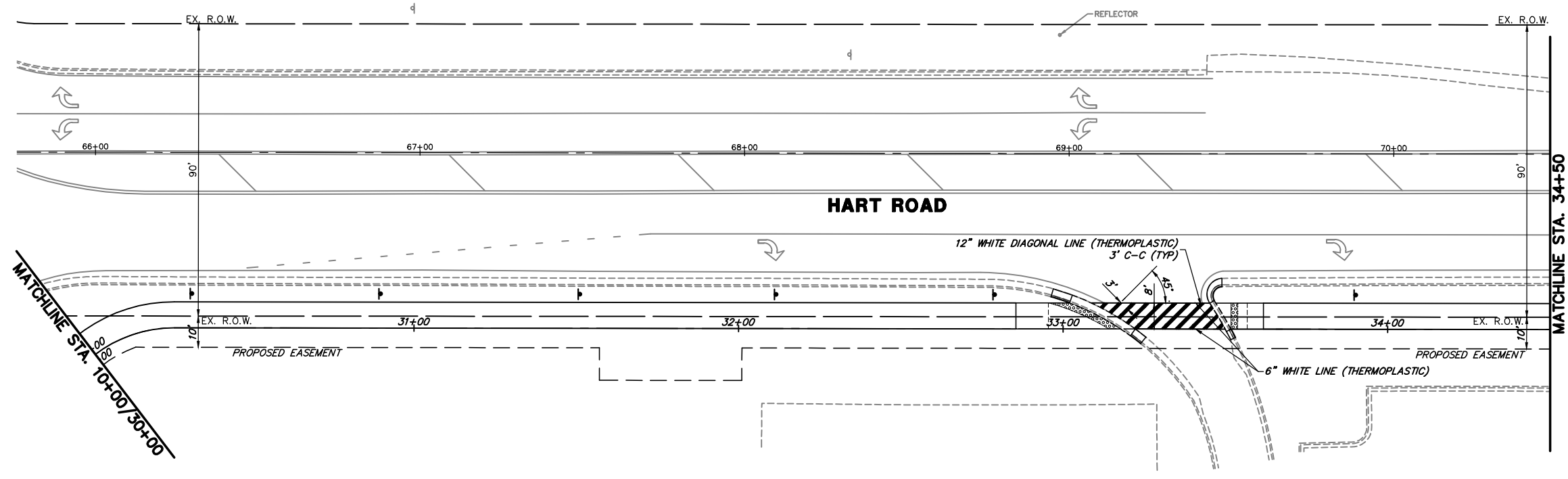
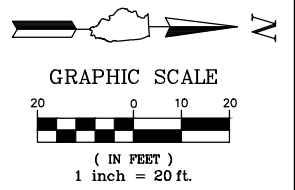
SCALE 1"=20' SHEET NO. 2 OF 5 SHEETS STA. 17+50 TO STA. 23+00

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	59
CONTRACT #			61H66	

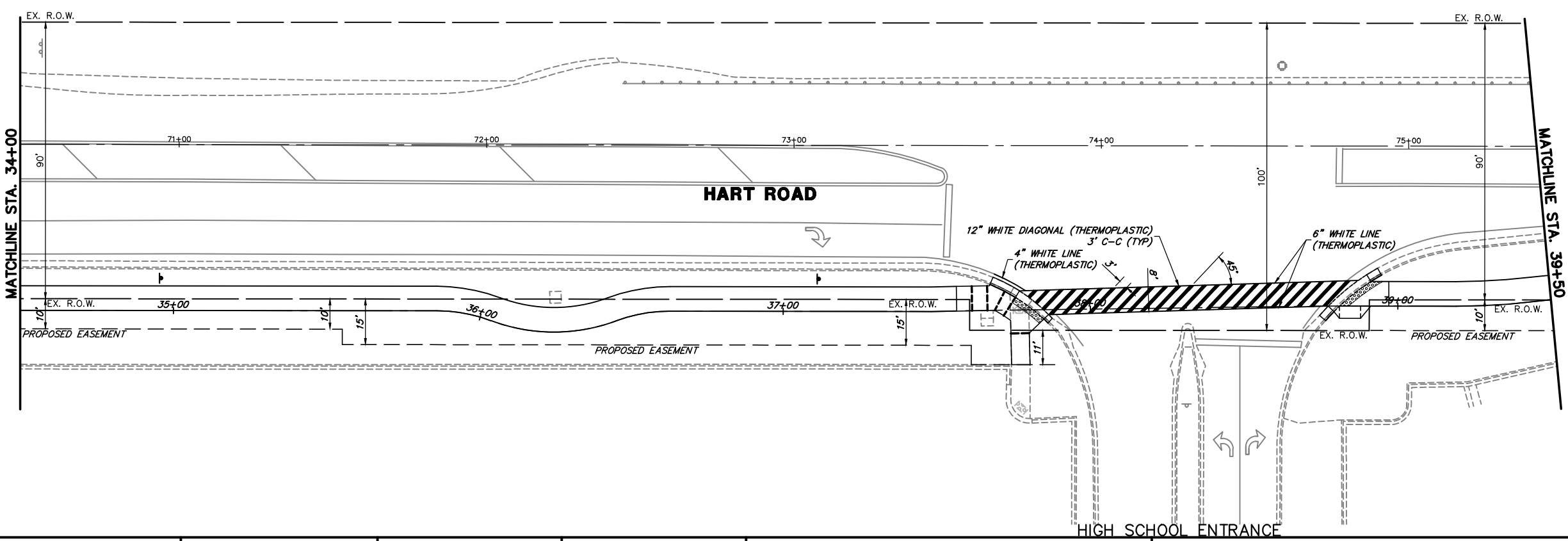
ILLINOIS FED. AID PROJECT



EDGE OF WETLAND



HIGH SCHOOL ENTRANCE



HIGH SCHOOL ENTRANCE

FILE NAME = 4370.120-PR1.dwg

USER NAME = DOMINIC OLESAK

DESIGNED - MGFC

REVISED -

DRAWN - PJS

REVISED -

CHECKED - MGFC

REVISED -

DATE - 2/11/2022

REVISED -

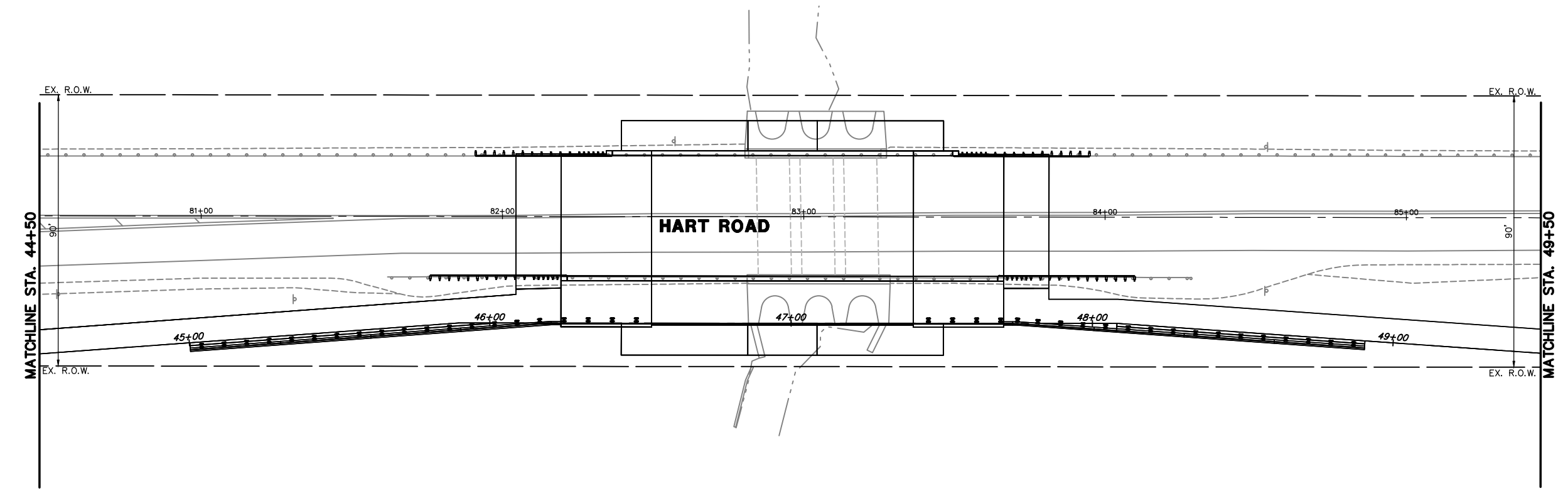
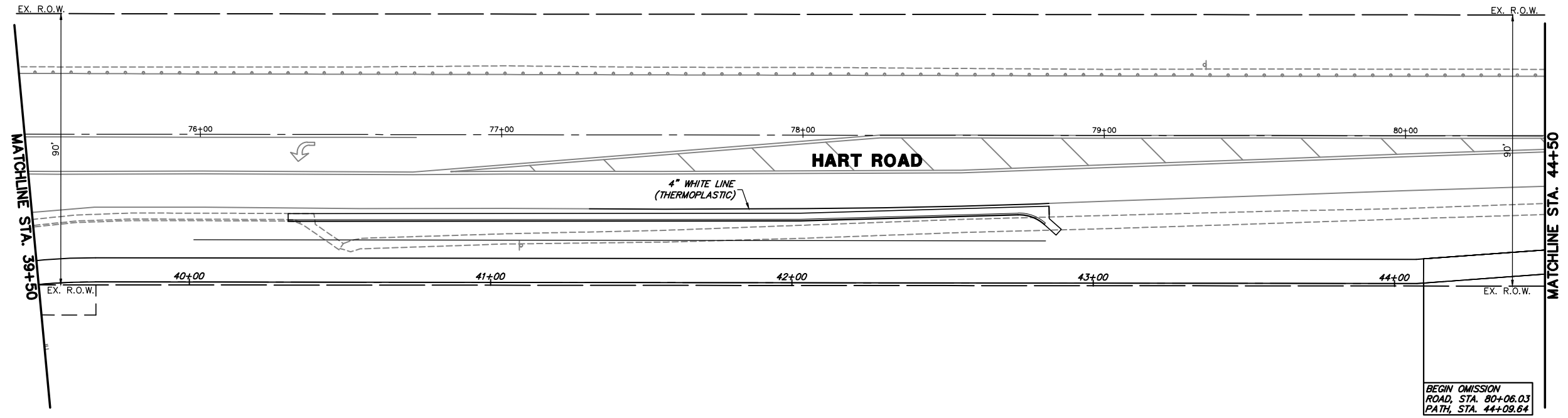
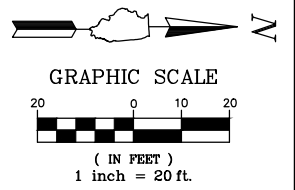
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN  
ITEP PEDESTRIAN PATH IMPROVEMENTS**

SCALE 1"=20' SHEET NO. 3 OF 5 SHEETS STA. 30+00 TO STA. 39+50

FALL RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	60
CONTRACT #			61H66	

ILLINOIS FED. AID PROJECT



FILE NAME = 4370.120-PR1.dwg  
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 PLOT SCALE = 1" = .1667'  
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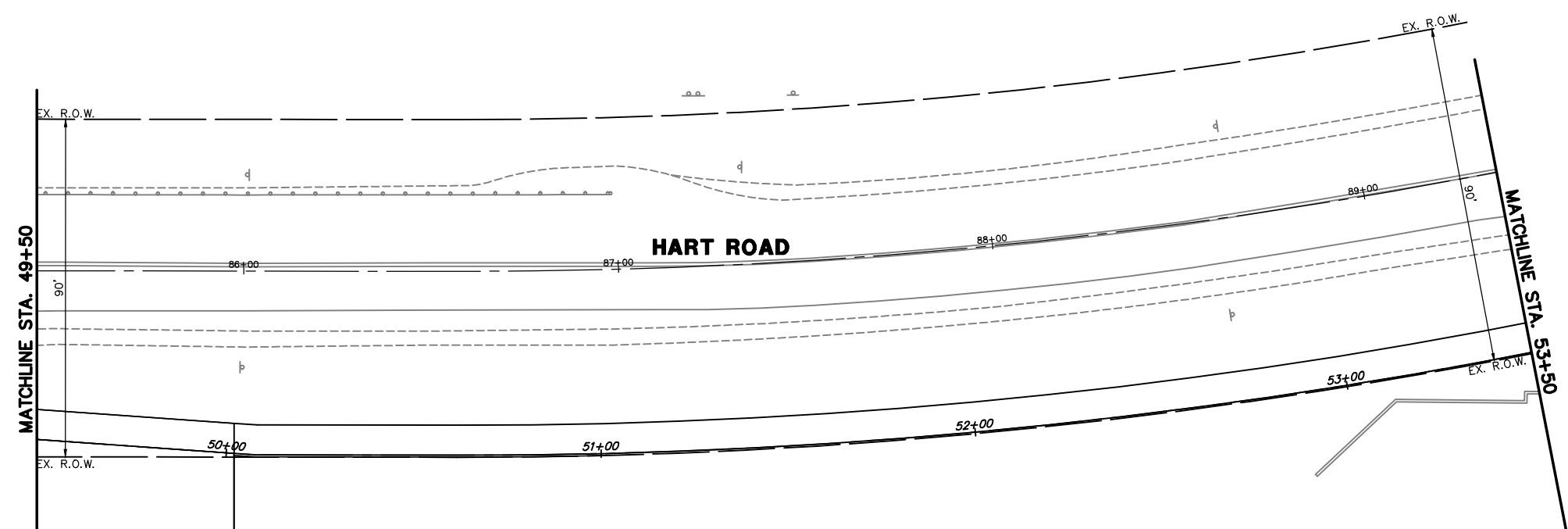
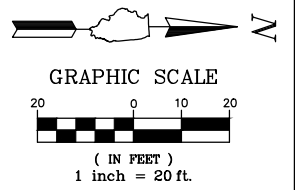
DESIGNED - MGFC  
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 CHECKED - MGFC  
 DATE - 2/11/2022

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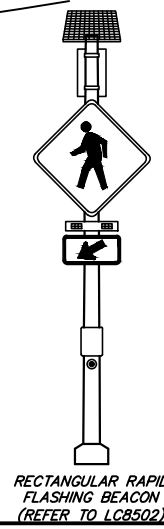
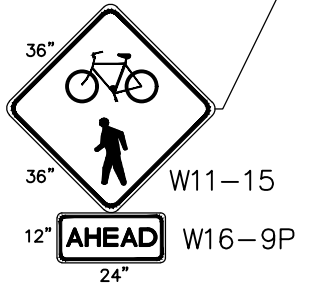
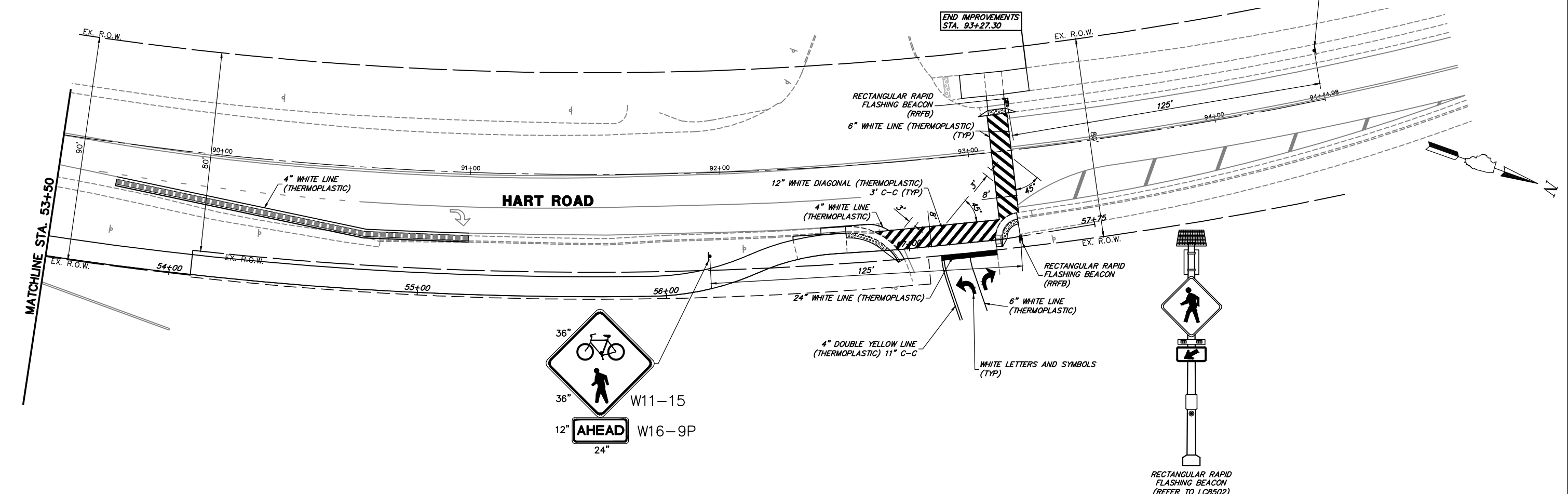
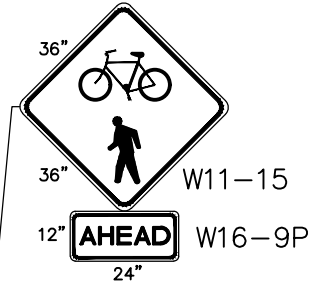
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN  
 ITEP PEDESTRIAN PATH IMPROVEMENTS**  
 SCALE 1"=20' SHEET NO. 4 OF 5 SHEETS STA. 39+50 TO STA. 49+50

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	61
CONTRACT #			61H66	
ILLINOIS FED. AID PROJECT				



END OMISSION  
ROAD, STA. 85+97.45  
PATH, STA. 50+02.04



FILE NAME = 4370.120-PR1.dwg

USER NAME = DOMINIC OLESAK  
PLOT SCALE = 1" = .1667'  
PLOT DATE = 2/14/2022 10:05 AM

DESIGNED - MGFC  
DRAWN - PJS  
CHECKED - MGFC  
DATE - 2/11/2022

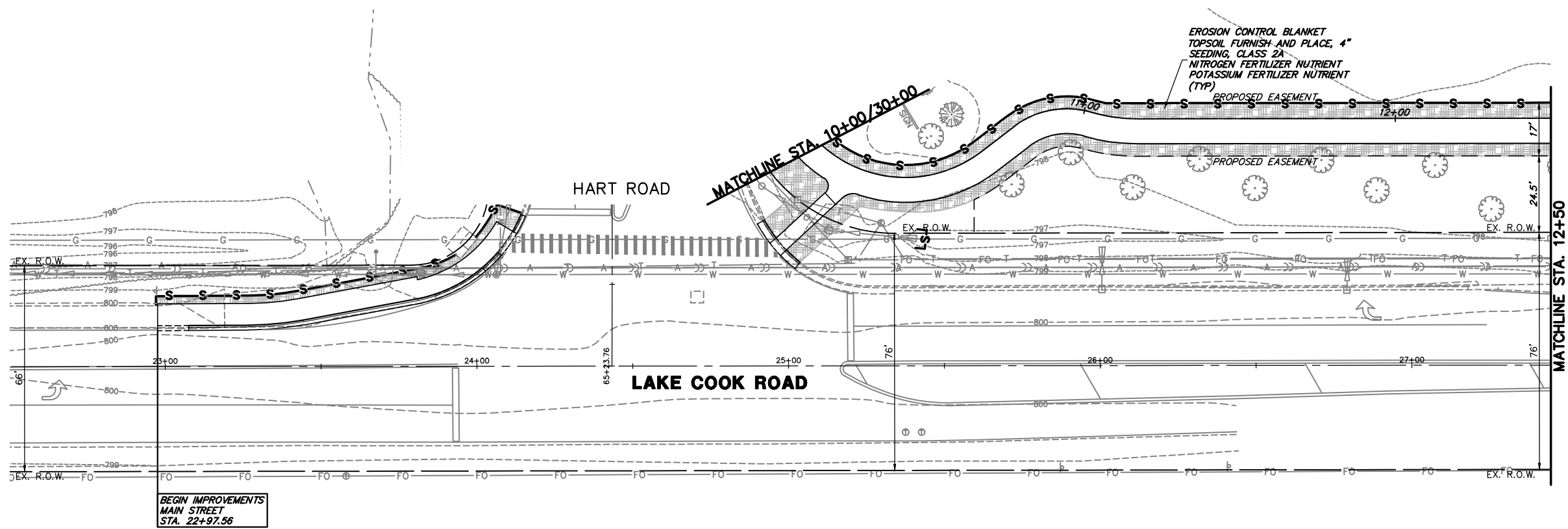
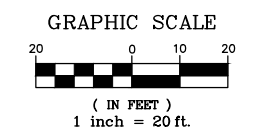
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

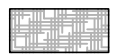

PAVEMENT MARKING PLAN  
ITEP PEDESTRIAN PATH IMPROVEMENTS  
SCALE 1"=20' SHEET NO. 5 OF 5 SHEETS STA. 49+50 TO STA. 57+50

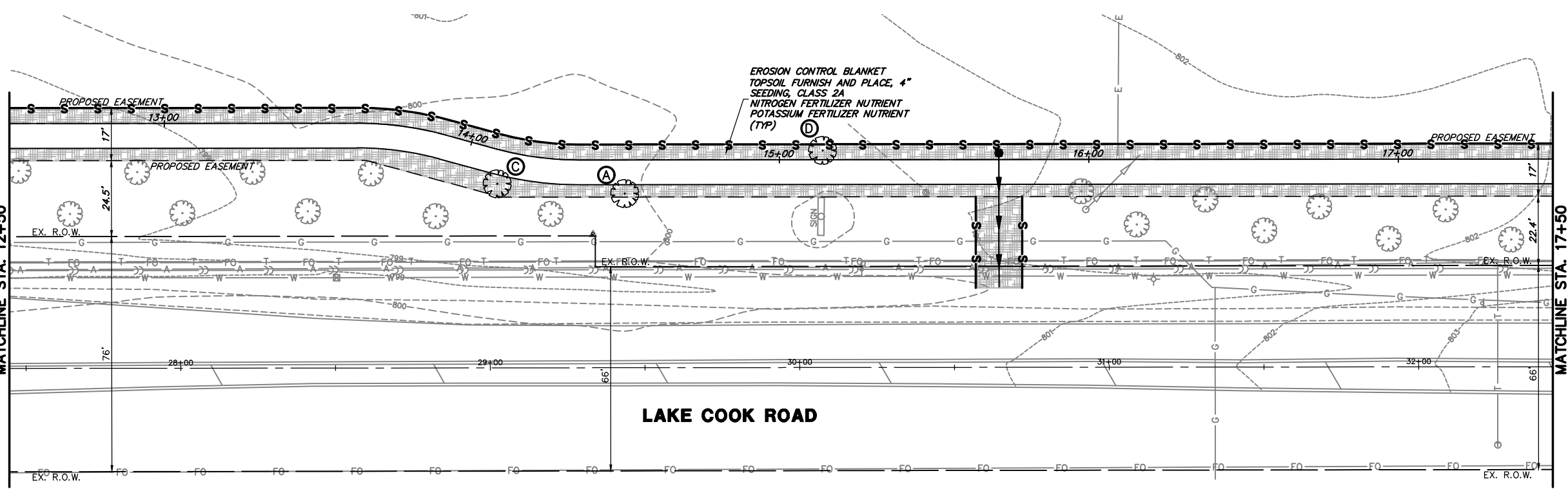
FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	62
CONTRACT #			61H66	

ILLINOIS FED. AID PROJECT



**LANDSCAPE LEGEND**

-  EROSION CONTROL BLANKET  
TOPSOIL FURNISH AND PLACE, 4"  
SEEDING, CLASS 2A  
NITROGEN FERTILIZER NUTRIENT  
POTASSIUM FERTILIZER NUTRIENT
-  PROPOSED TREE

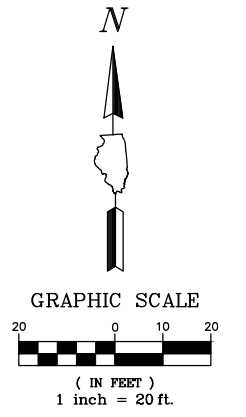
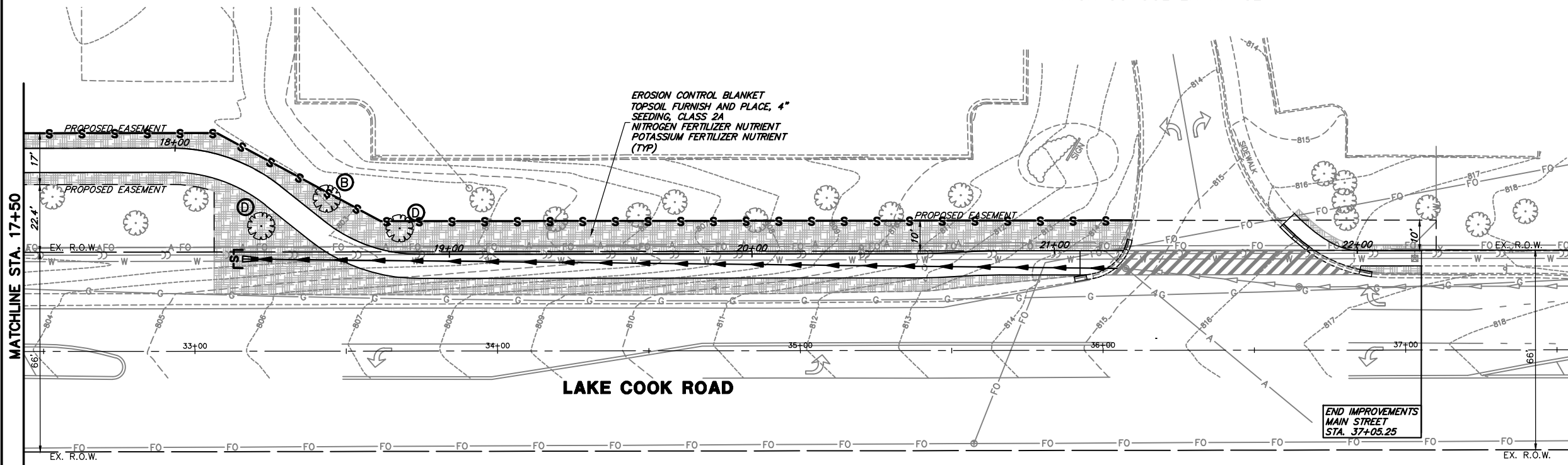


**TREE SPECIES LEGEND**

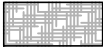

- (A)** TREE, GINKGO BILOBA (GINKGO), 2-1/2" CALIPER, BALLED AND BURLAPPED
- (B)** TREE, QUERCUS ALBA (WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED
- (C)** TREE, CARPINUS CAROLINIANA (AMERICAN HORNBEAM), 2-1/2" CALIPER, BALLED AND BURLAPPED
- (D)** TREE, CERCIS CANADENSIS (EASTERN REDBUD), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED

FILE NAME = 4370.120-PR1.dwg	USER NAME = DOMINIC OLESAK	DESIGNED - MGFC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>LANDSCAPE PLAN ITEP PEDESTRIAN PATH IMPROVEMENTS</b>			FAU RTE 2549 1270	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 63	
	PLOT SCALE = 1" = .1667'	DRAWN - PJS	REVISED -		SCALE 1"=20'	SHEET NO. 1 OF 5 SHEETS	STA. 10+00 TO STA. 17+50	CONTRACT # 61H66		ILLINOIS FED. AID PROJECT			
	PLOT DATE = 2/14/2022 10:05 AM	CHECKED - MGFC	REVISED -										
		DATE - 2/11/2022	REVISED -										

HIGH SCHOOL ENTRANCE



**LANDSCAPE LEGEND**

-  EROSION CONTROL BLANKET  
TOPSOIL FURNISH AND PLACE, 4"  
SEEDING, CLASS 2A  
NITROGEN FERTILIZER NUTRIENT  
POTASSIUM FERTILIZER NUTRIENT
-  PROPOSED TREE

**TREE SPECIES LEGEND**

- (A) TREE, GINKGO BILOBA (GINKGO), 2-1/2" CALIPER, BALLED AND BURLAPPED
- (B) TREE, QUERCUS ALBA (WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED
- (C) TREE, CARPINUS CAROLINIANA (AMERICAN HORNBEAM), 2-1/2" CALIPER, BALLED AND BURLAPPED
- (D) TREE, CERCIS CANADENSIS (EASTERN REDBUD), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED

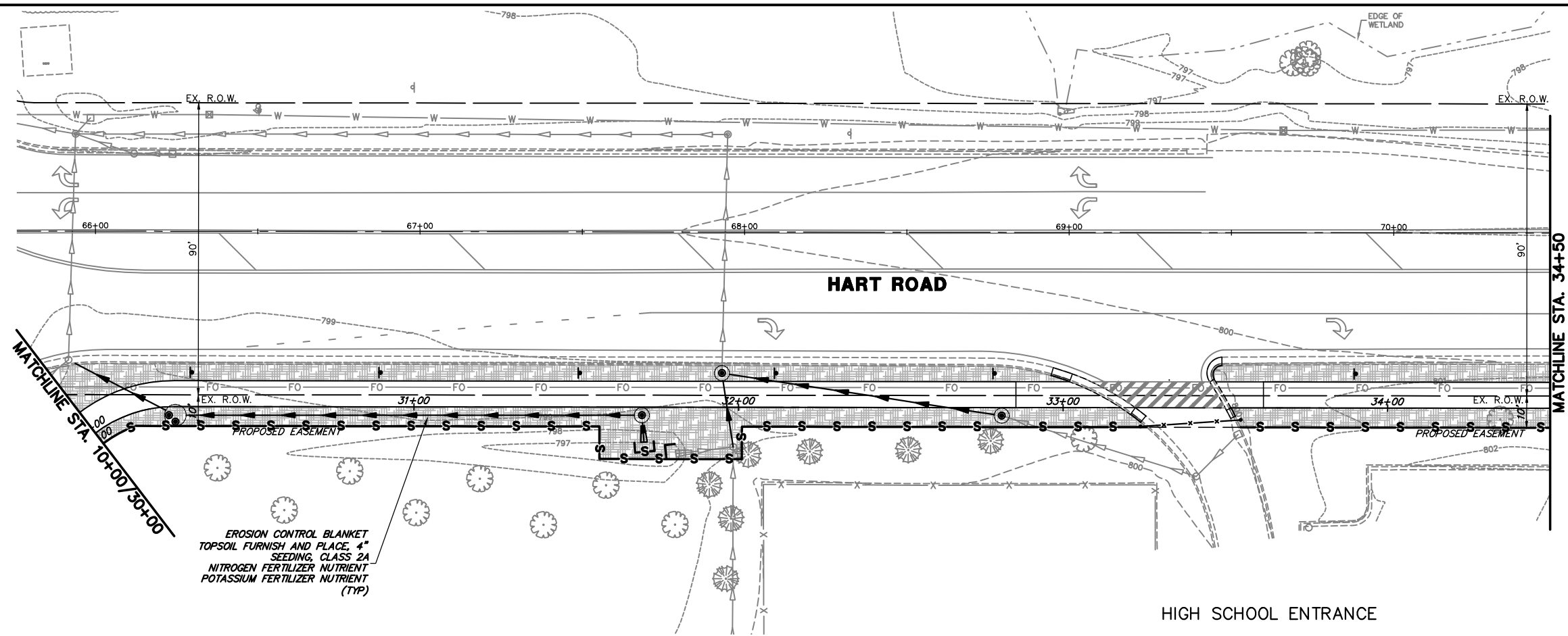
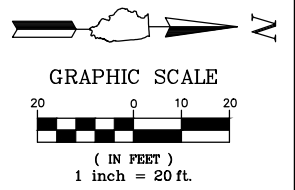
FILE NAME = 4370.120-PR1.dwg	USER NAME = DOMINIC OLESAK	DESIGNED - MGFC	REVISED -
		DRAWN - PJS	REVISED -
	PLOT SCALE = 1" = .1667'	CHECKED - MGFC	REVISED -
	PLOT DATE = 2/14/2022 10:05 AM	DATE - 2/11/2022	REVISED -







**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>LANDSCAPE PLAN</b>	
<b>ITEP PEDESTRIAN PATH IMPROVEMENTS</b>	
SCALE 1"=20'	SHEET NO. 2 OF 5 SHEETS
STA. 17+50	TO STA. 23+00

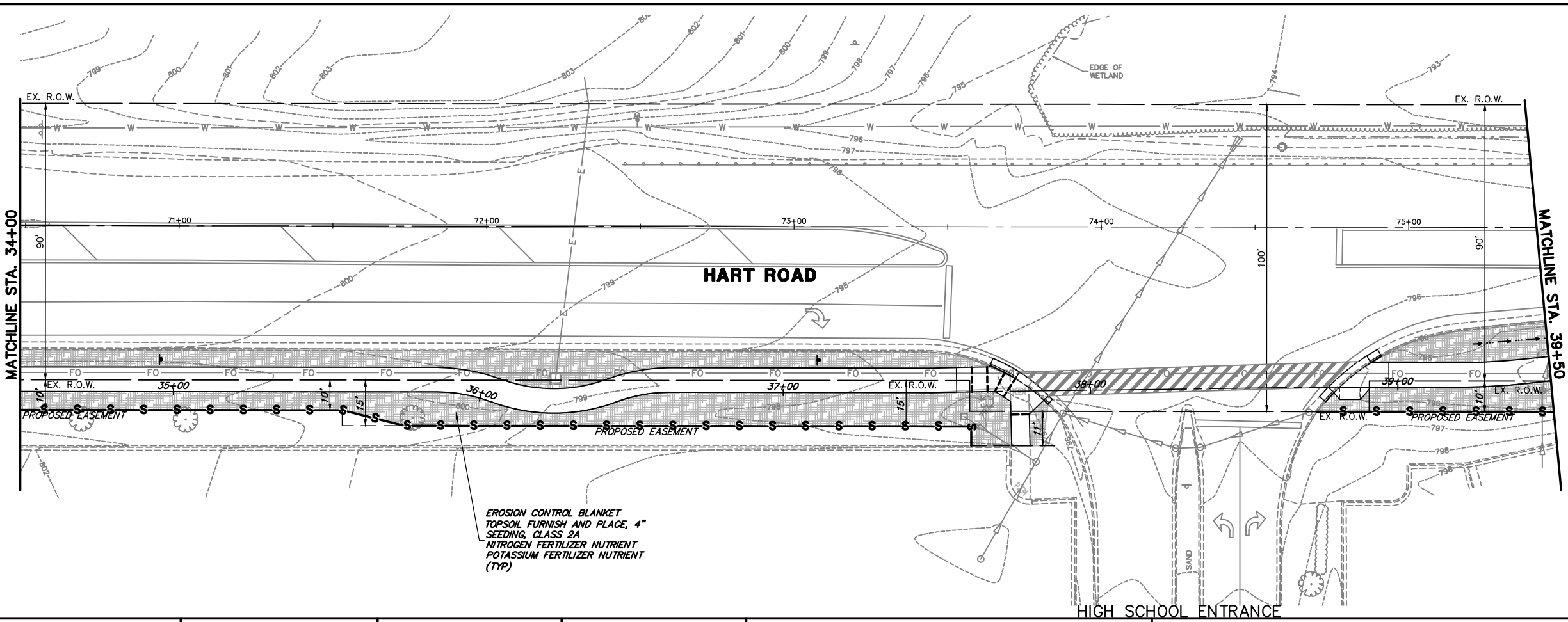
FALL RTE. 2549 1270	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 64
CONTRACT #			61H66	
ILLINOIS FED. AID PROJECT				





- LANDSCAPE LEGEND**
-  EROSION CONTROL BLANKET
  -  TOPSOIL FURNISH AND PLACE, 4"
  -  SEEDING, CLASS 2A
  -  NITROGEN FERTILIZER NUTRIENT
  -  POTASSIUM FERTILIZER NUTRIENT
  -  PROPOSED TREE

- TREE SPECIES LEGEND**
- (A) TREE, GINKGO BILOBA (GINKGO), 2-1/2" CALIPER, BALLED AND BURLAPPED
  - (B) TREE, QUERCUS ALBA (WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED
  - (C) TREE, CARPINUS CAROLINIANA (AMERICAN HORNBEAM), 2-1/2" CALIPER, BALLED AND BURLAPPED
  - (D) TREE, CERCIS CANADENSIS (EASTERN REDBUD), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED



FILE NAME = 4370.120-PR1.dwg  
 USER NAME = DOMINIC OLESAK  
 PLOT SCALE = 1" = .1667'  
 PLOT DATE = 2/14/2022 10:05 AM

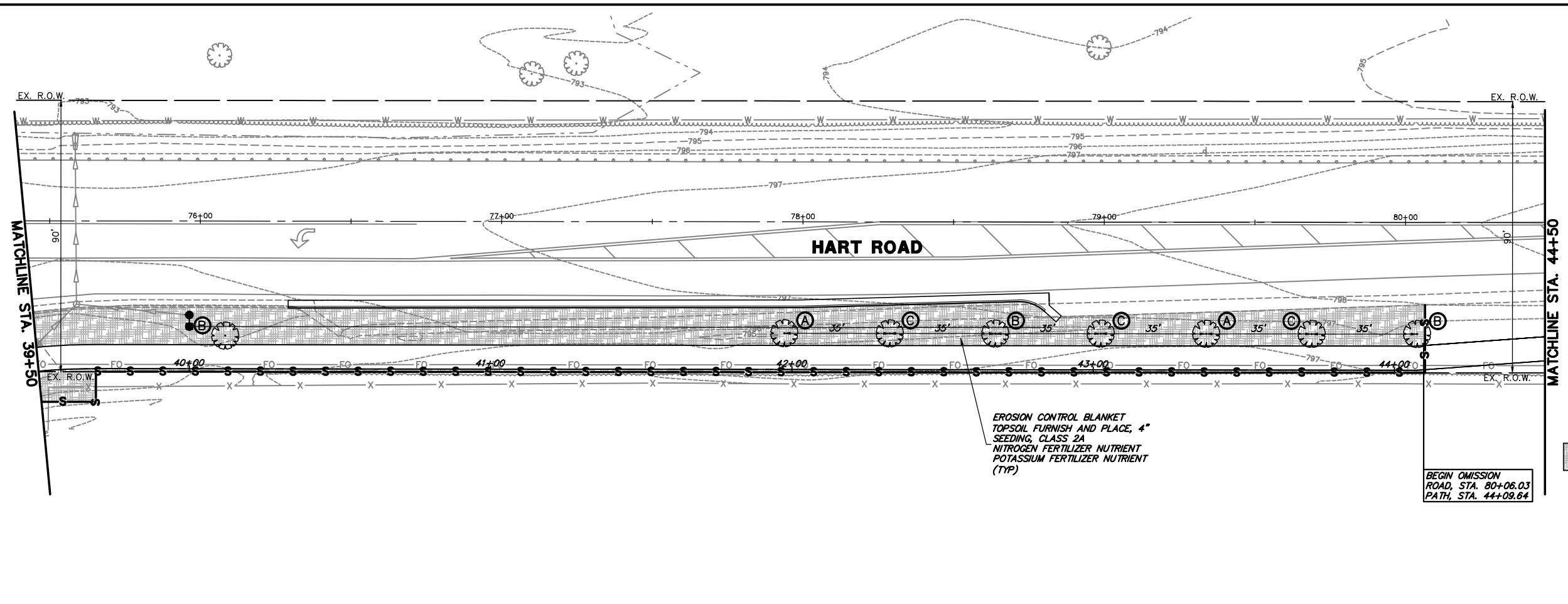
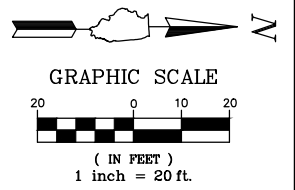
DESIGNED - MGFC  
 DRAWN - PJS  
 CHECKED - MGFC  
 DATE - 2/11/2022

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**LANDSCAPE PLAN  
 ITEP PEDESTRIAN PATH IMPROVEMENTS**  
 SCALE 1"=20' SHEET NO. 3 OF 5 SHEETS STA. 30+00 TO STA. 39+50

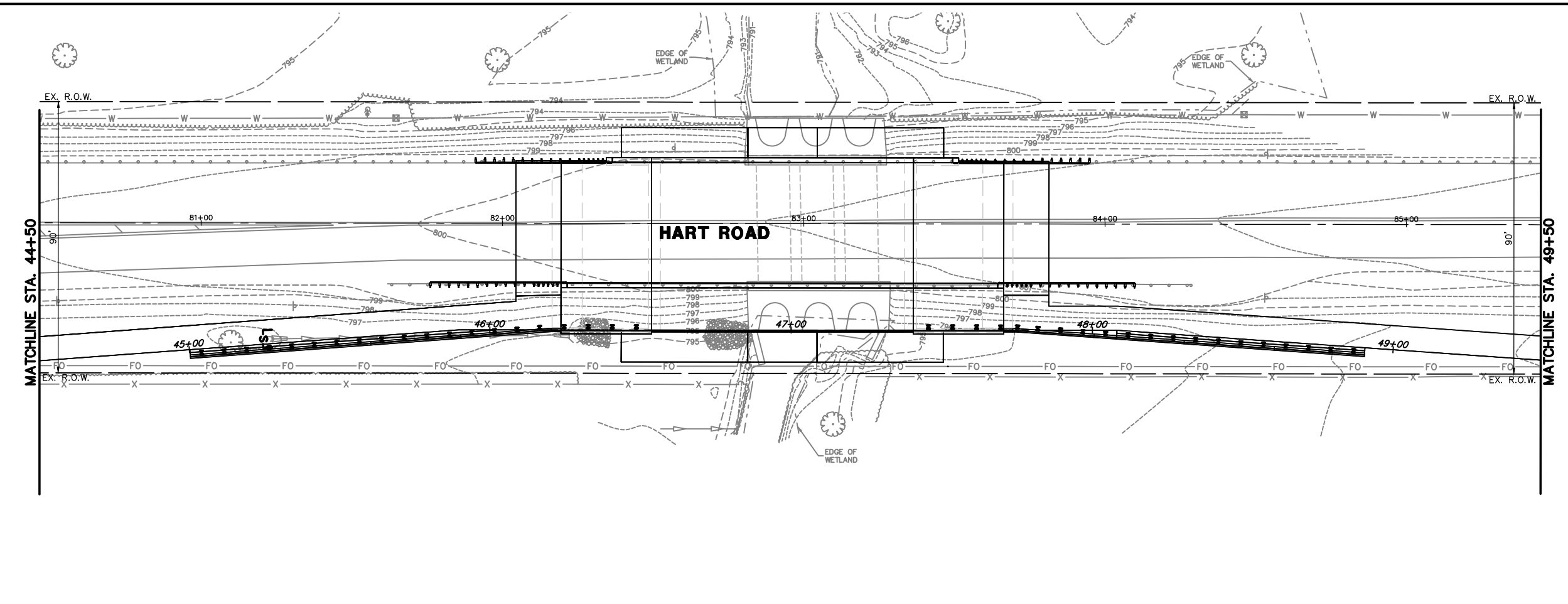
FALL RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	65
CONTRACT #			61H66	
ILLINOIS FED. AID PROJECT				



EROSION CONTROL BLANKET  
TOPSOIL FURNISH AND PLACE, 4"  
SEEDING, CLASS 2A  
NITROGEN FERTILIZER NUTRIENT  
POTASSIUM FERTILIZER NUTRIENT  
(TYP)

BEGIN OMISSION  
ROAD, STA. 80+06.03  
PATH, STA. 44+09.64

- LANDSCAPE LEGEND**
- EROSION CONTROL BLANKET  
TOPSOIL FURNISH AND PLACE, 4"  
SEEDING, CLASS 2A  
NITROGEN FERTILIZER NUTRIENT  
POTASSIUM FERTILIZER NUTRIENT
  - PROPOSED TREE



- TREE SPECIES LEGEND**
- (A) TREE, GINKGO BILOBA (GINKGO), 2-1/2" CALIPER, BALLED AND BURLAPPED
  - (B) TREE, QUERCUS ALBA (WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED
  - (C) TREE, CARPINUS CAROLINIANA (AMERICAN HORNBEAM), 2-1/2" CALIPER, BALLED AND BURLAPPED
  - (D) TREE, CERCIS CANADENSIS (EASTERN REDBUD), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED

FILE NAME = 4370.120-PR1.dwg  
USER NAME = DOMINIC OLESAK  
PLOT SCALE = 1" = .1667'  
PLOT DATE = 2/14/2022 10:06 AM

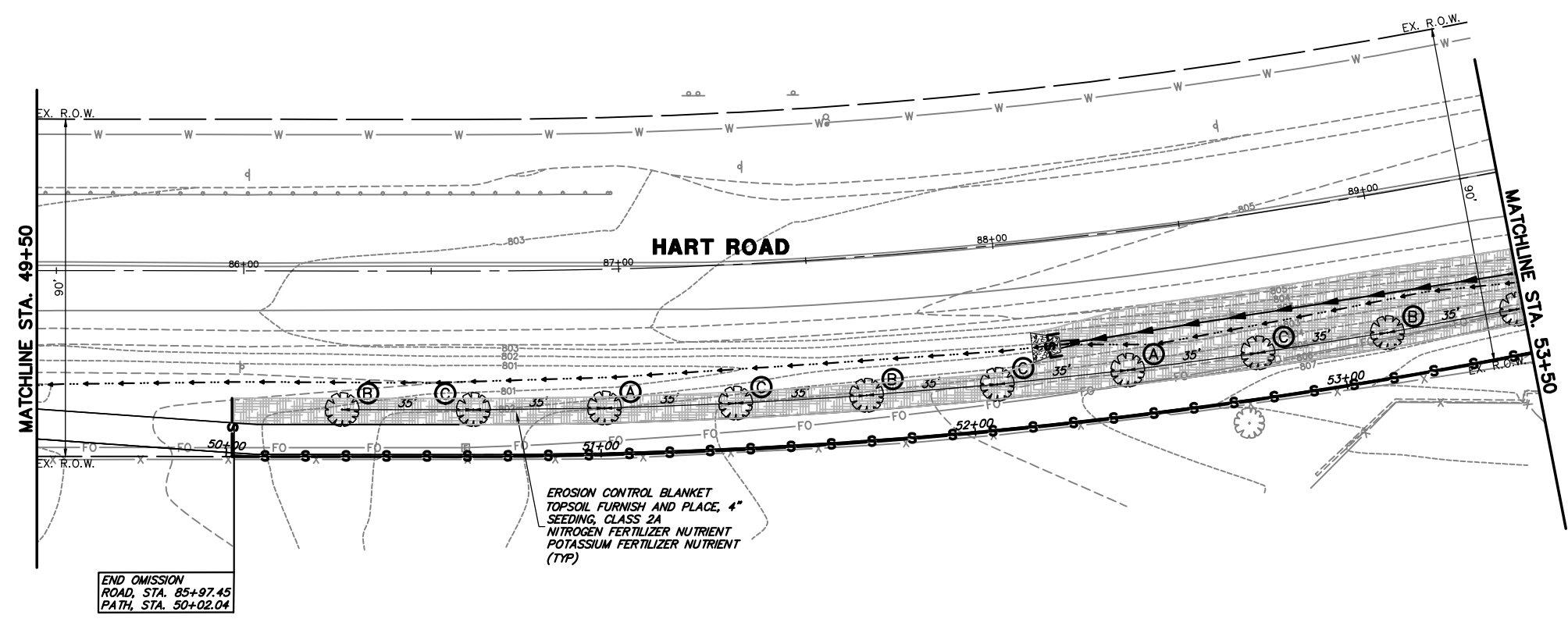
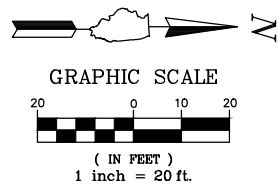
DESIGNED - MGFC  
DRAWN - PJS  
CHECKED - MGFC  
DATE - 2/11/2022

REVISED -  
REVISED -  
REVISED -  
REVISED -

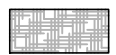

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPE PLAN  
ITEP PEDESTRIAN PATH IMPROVEMENTS**  
SCALE 1"=20' SHEET NO. 4 OF 5 SHEETS STA. 39+50 TO STA. 49+50

FAU RTE 2549 1270	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 66
CONTRACT #			61H66	
ILLINOIS FED. AID PROJECT				

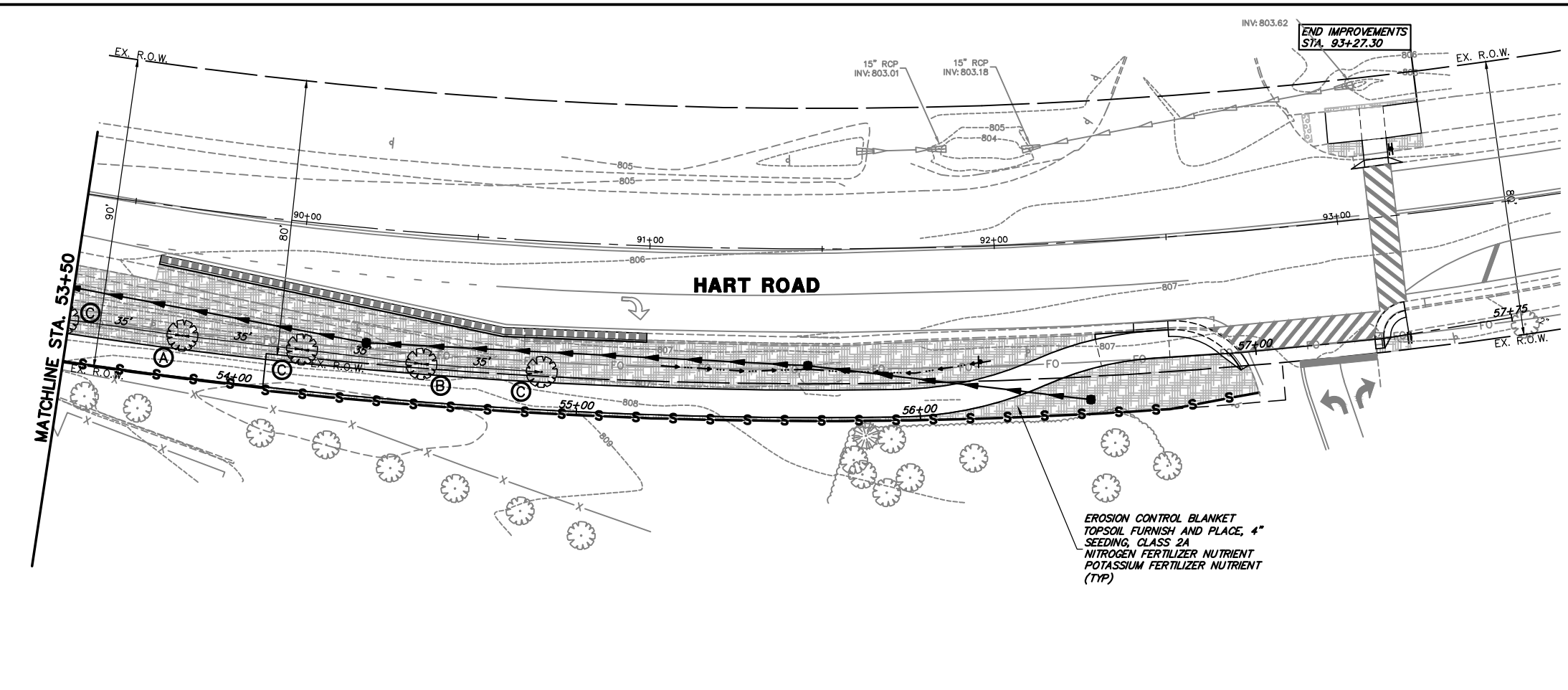


**LANDSCAPE LEGEND**

-  EROSION CONTROL BLANKET  
TOPSOIL FURNISH AND PLACE, 4"  
SEEDING, CLASS 2A  
NITROGEN FERTILIZER NUTRIENT  
POTASSIUM FERTILIZER NUTRIENT
-  PROPOSED TREE

**TREE SPECIES LEGEND**

- (A)** TREE, GINKGO BILOBA (GINKGO), 2-1/2" CALIPER, BALLED AND BURLAPPED
- (B)** TREE, QUERCUS ALBA (WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED
- (C)** TREE, CARPINUS CAROLINIANA (AMERICAN HORNBEAM), 2-1/2" CALIPER, BALLED AND BURLAPPED
- (D)** TREE, CERCIS CANADENSIS (EASTERN REDBUD), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED



FILE NAME = 4370.120-PR1.dwg  
 USER NAME = DOMINIC OLESAK  
 PLOT SCALE = 1" = .1667'  
 PLOT DATE = 2/14/2022 10:06 AM

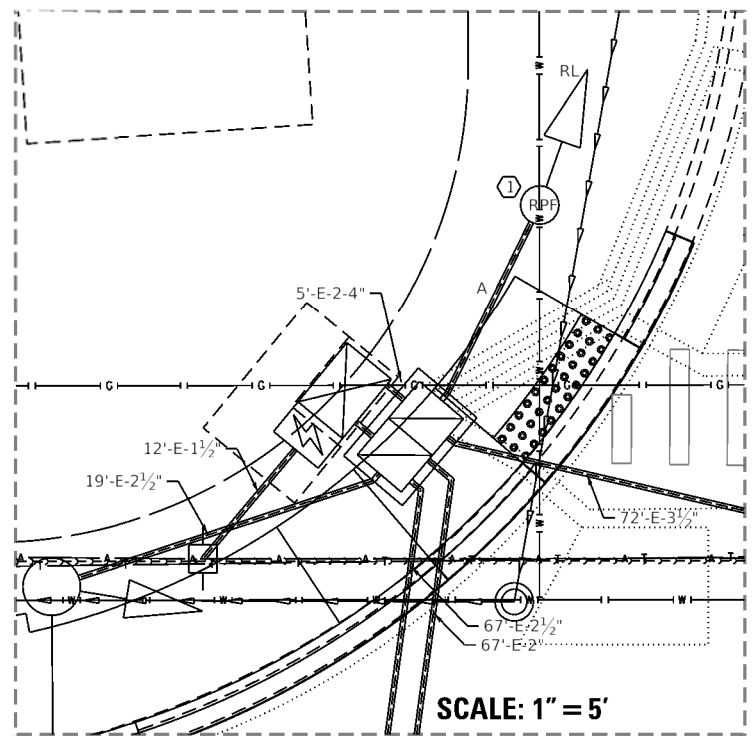
DESIGNED - MGFC  
 DRAWN - PJS  
 CHECKED - MGFC  
 DATE - 2/11/2022

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**LANDSCAPE PLAN  
 ITEP PEDESTRIAN PATH IMPROVEMENTS**  
 SCALE 1"=20' SHEET NO. 5 OF 5 SHEETS STA. 49+50 TO STA. 57+50

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	67
CONTRACT #			61H66	
ILLINOIS FED. AID PROJECT				



SCALE: 1" = 5'

HART ROAD

EXIST. INTERCONNECT TO BARRINGTON H.S. ENTRANCE

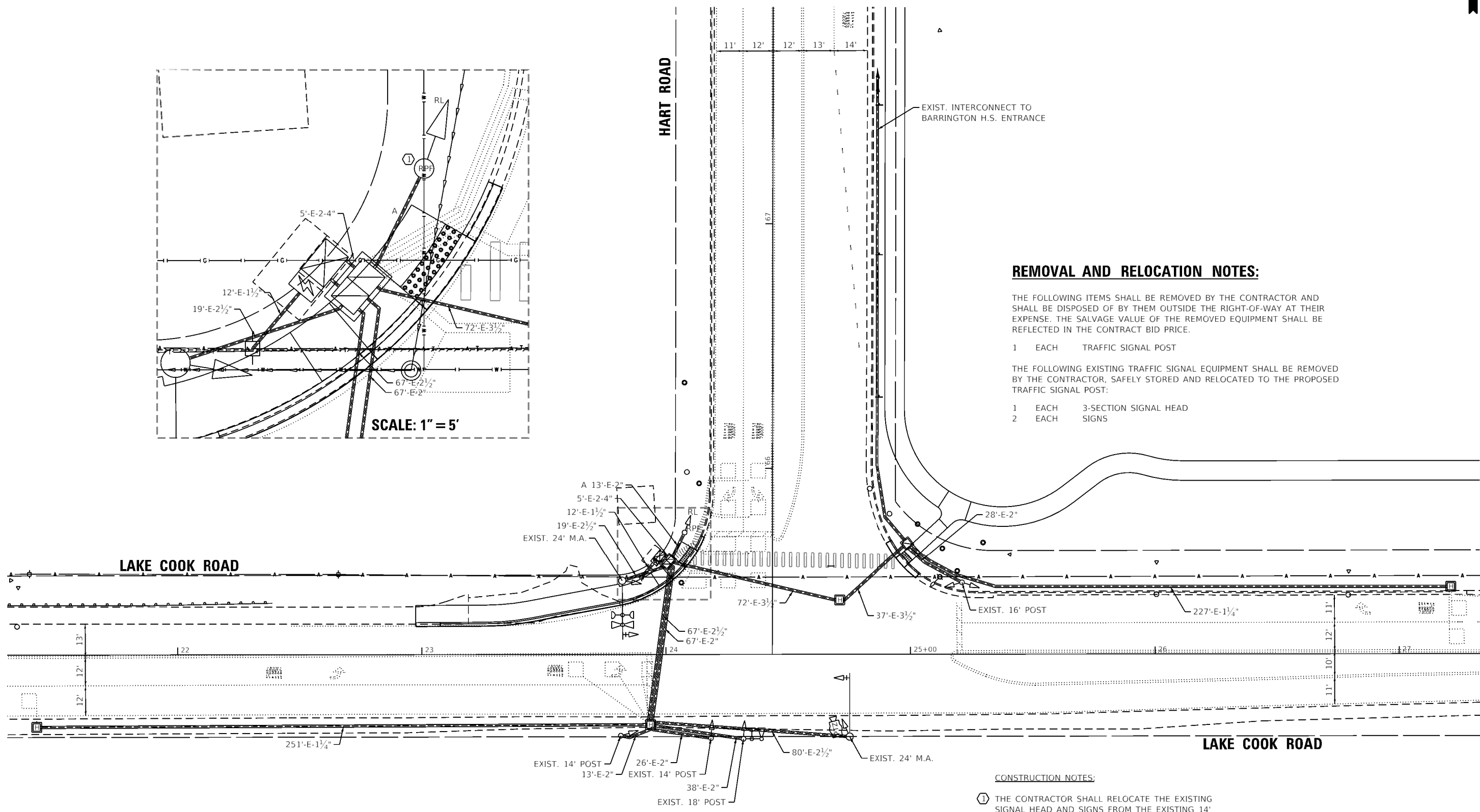
**REMOVAL AND RELOCATION NOTES:**

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

- 1 EACH TRAFFIC SIGNAL POST

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL POST:

- 1 EACH 3-SECTION SIGNAL HEAD
- 2 EACH SIGNS



**CONSTRUCTION NOTES:**

- ① THE CONTRACTOR SHALL RELOCATE THE EXISTING SIGNAL HEAD AND SIGNS FROM THE EXISTING 14' POST TO THE PROPOSED 16' POST.

**GHA** GEORGE HAMILTON TS SHT NO. 1  
 ASSOCIATES, INC.  
MODEL Lake Cook Rem  
 FILE Name = 4370.120-001-TS.dgn

FILE NAME =	USER NAME = mcobb	DESIGNED - RJH	REVISED -
4370.120-sht-TS.dgn		DRAWN - ZCW	REVISED -
4370.120	PLOT SCALE = 1:40	CHECKED - RJH	REVISED -
Lake Cook Rem	PLOT DATE = 2/17/2022	DATE - 2/11/2022	REVISED -

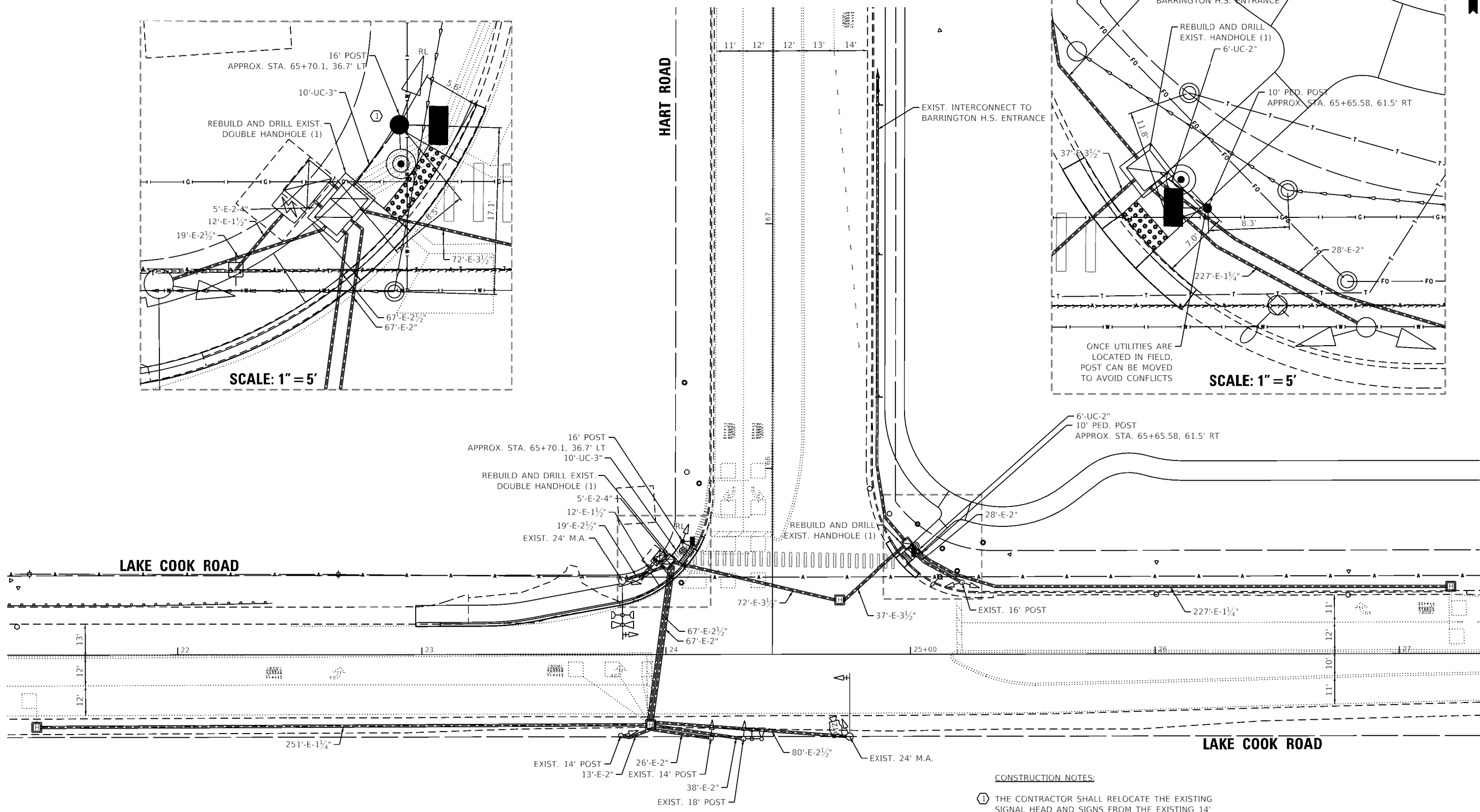
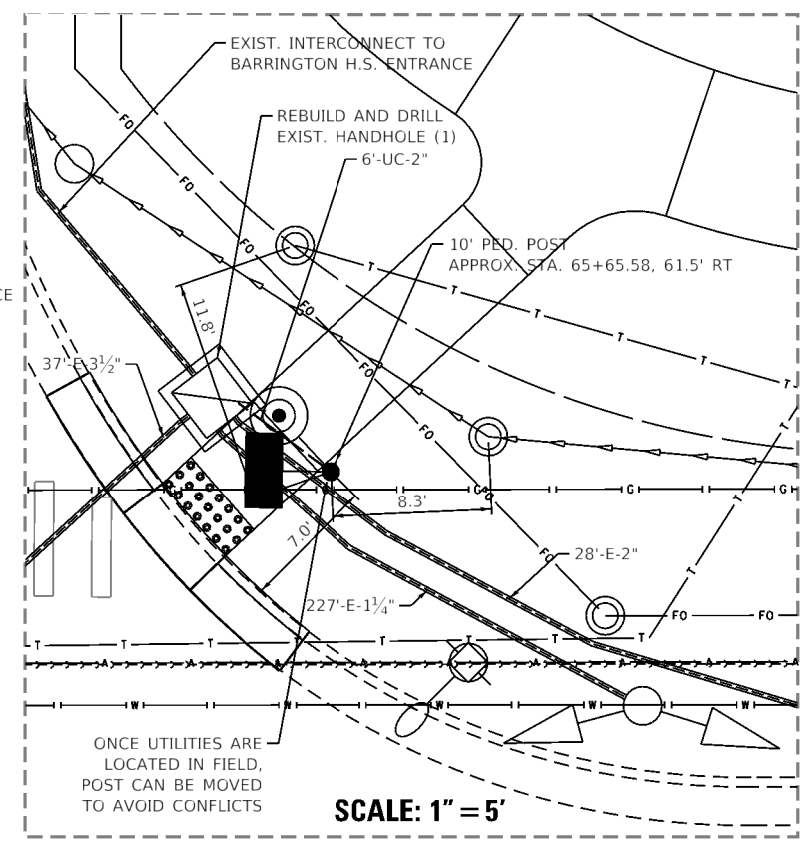
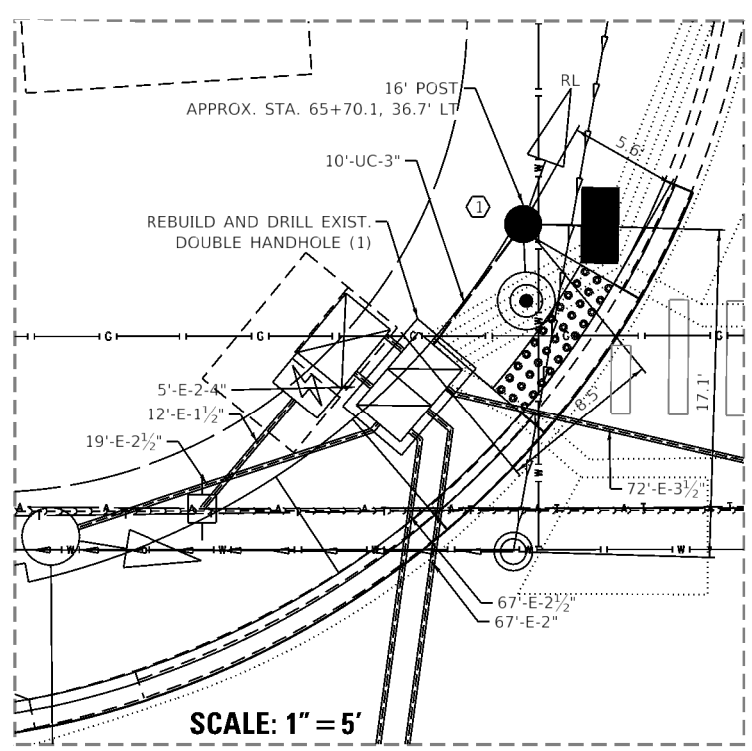
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL REMOVAL PLAN  
HART ROAD AT LAKE COOK ROAD

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	68
CONTRACT NO. 61H66			ILLINOIS FED. AID PROJECT	

TS 7185



- CONSTRUCTION NOTES:**
- ① THE CONTRACTOR SHALL RELOCATE THE EXISTING SIGNAL HEAD AND SIGNS FROM THE EXISTING 14' POST TO THE PROPOSED 16' POST.
  - ② ALL PEDESTRIAN PUSH-BUTTONS SHALL BE APS.

**GHA GEORGE HAMILTON TS SHT NO. 2**  
**ASSOCIATES, INC.**  
MODEL: Lake Cook Perm  
 FILE NAME: 4370.120-SHT-TS.dgn  
 Lake Cook Perm

FILE NAME =	USER NAME = mcobb	DESIGNED - RJH	REVISED -
4370.120-sht-TS.dgn		DRAWN - ZCW	REVISED -
4370.120	PLOT SCALE = 1:40	CHECKED - RJH	REVISED -
Lake Cook Perm	PLOT DATE = 2/17/2022	DATE - 2/11/2022	REVISED -

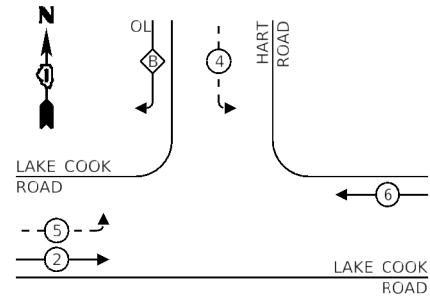
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODIFICATION PLAN**  
**HART ROAD AT LAKE COOK ROAD**

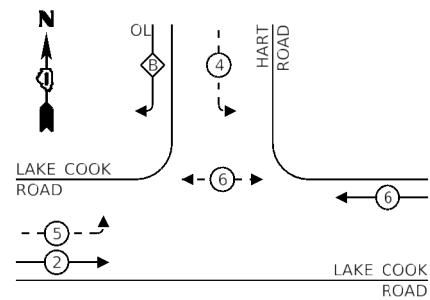
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	69
CONTRACT NO. 61H66				
ILLINOIS FED. AID PROJECT				

**TS 7185**

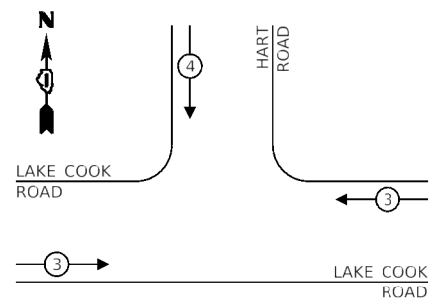
**EXISTING CONTROLLER SEQUENCE**



**PROPOSED CONTROLLER SEQUENCE**



**EXISTING EMERGENCY VEHICLE PREEMPTION SEQUENCE**

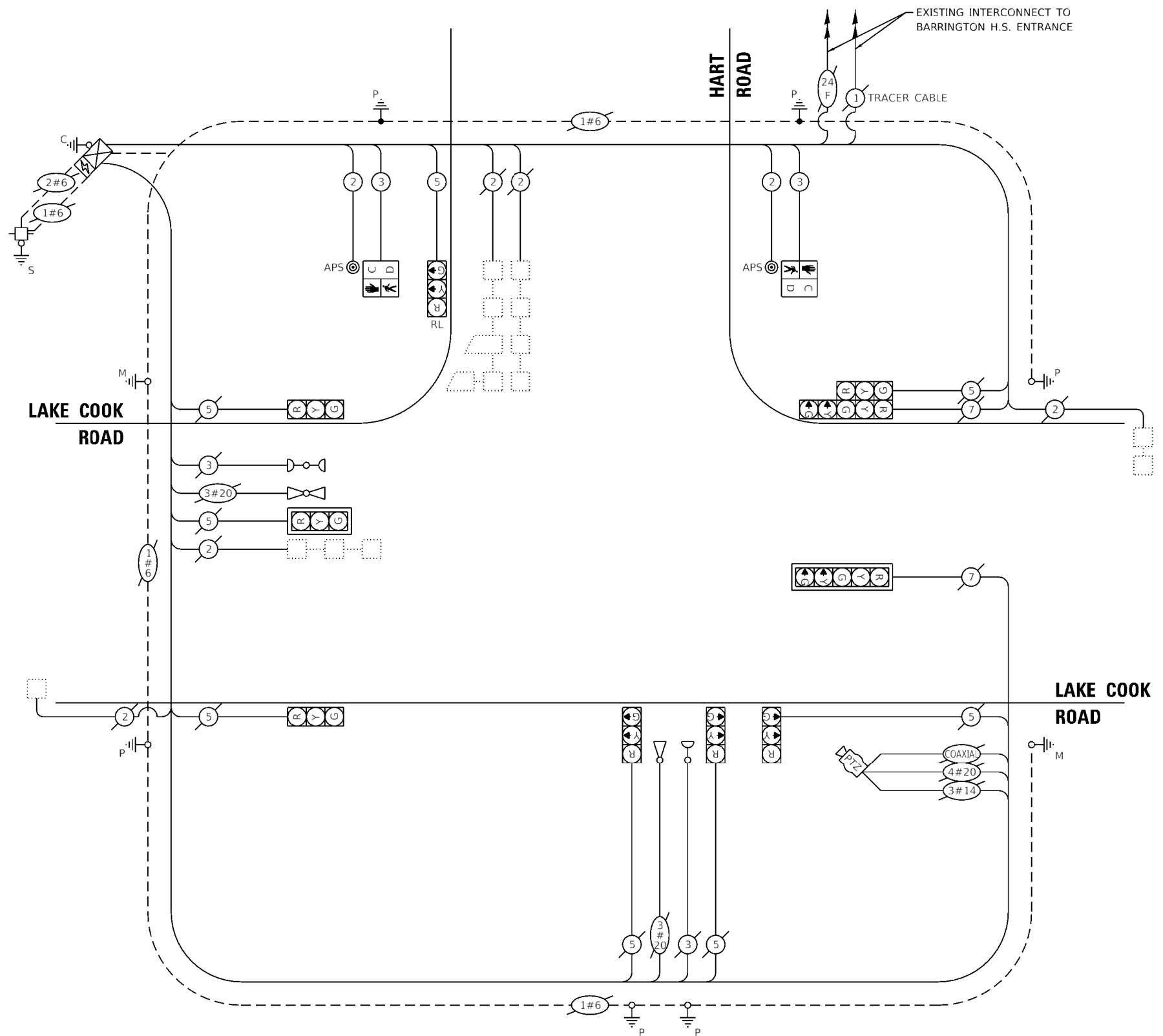


**LEGEND:**

- ← \* → PROTECTED PHASE
- ← - \* - → PROTECTED/PERMITTED PHASE
- ← \* → PEDESTRIAN PHASE
- ← OL → OVERLAP

**RIGHT TURN OVERLAP PHASE DESIGNATION:**

OVERLAP LETTER = PERMISSIVE PHASE + PROTECTED PHASE  
 B = 4 + 5



**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	10	11	50	55
(YELLOW)	10	20	5	10
(GREEN)	10	12	45	54
PERMISSIVE ARROW	4	10	10	4
PED. SIGNAL	2	20	100	40
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	250	50	-
TOTAL =				288

ENERGY COSTS TO:

ILLINOIS DEPT. OF TRANSPORTATION  
 201 W. CENTER COURT  
 SCHAUMBURG, IL 60196-1096

ENERGY SUPPLY: CONTACT: DAVE SCHACHT  
 PHONE: (630) 437-2129  
 COMPANY: COM-ED  
 ACCOUNT NUMBER: -

**CABLE PLAN**  
(NOT TO SCALE)

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**CABLE PLAN, PHASE DESIGNATION DIAGRAM,  
 AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
 HART ROAD AT LAKE COOK ROAD**

SCALE: N.A. SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	70
				CONTRACT NO. 61H66
ILLINOIS FED. AID PROJECT				

TS 7185

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	6
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	10
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	210
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	224
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	62
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	41
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	4
DRILL EXISTING HANDHOLE	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
RELOCATE EXISTING SIGNAL HEAD	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
RELOCATE EXISTING SIGNS	EACH	2
REBUILD EXISTING DOUBLE HANDHOLE	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

**TS 7185**

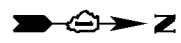
FILE NAME =	USER NAME = mcobb	DESIGNED - RJH	REVISED -
4370.120-sht-Signage.dgn		DRAWN - ZCW	REVISED -
4370.120	PLOT SCALE = 1:40	CHECKED - RJH	REVISED -
Lake Cook Perm	PLOT DATE = 2/17/2022	DATE - 2/11/2022	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**  
**HART ROAD AT LAKE COOK ROAD**

SCALE: N.A. SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	71
CONTRACT NO. 61H66			ILLINOIS FED. AID PROJECT	



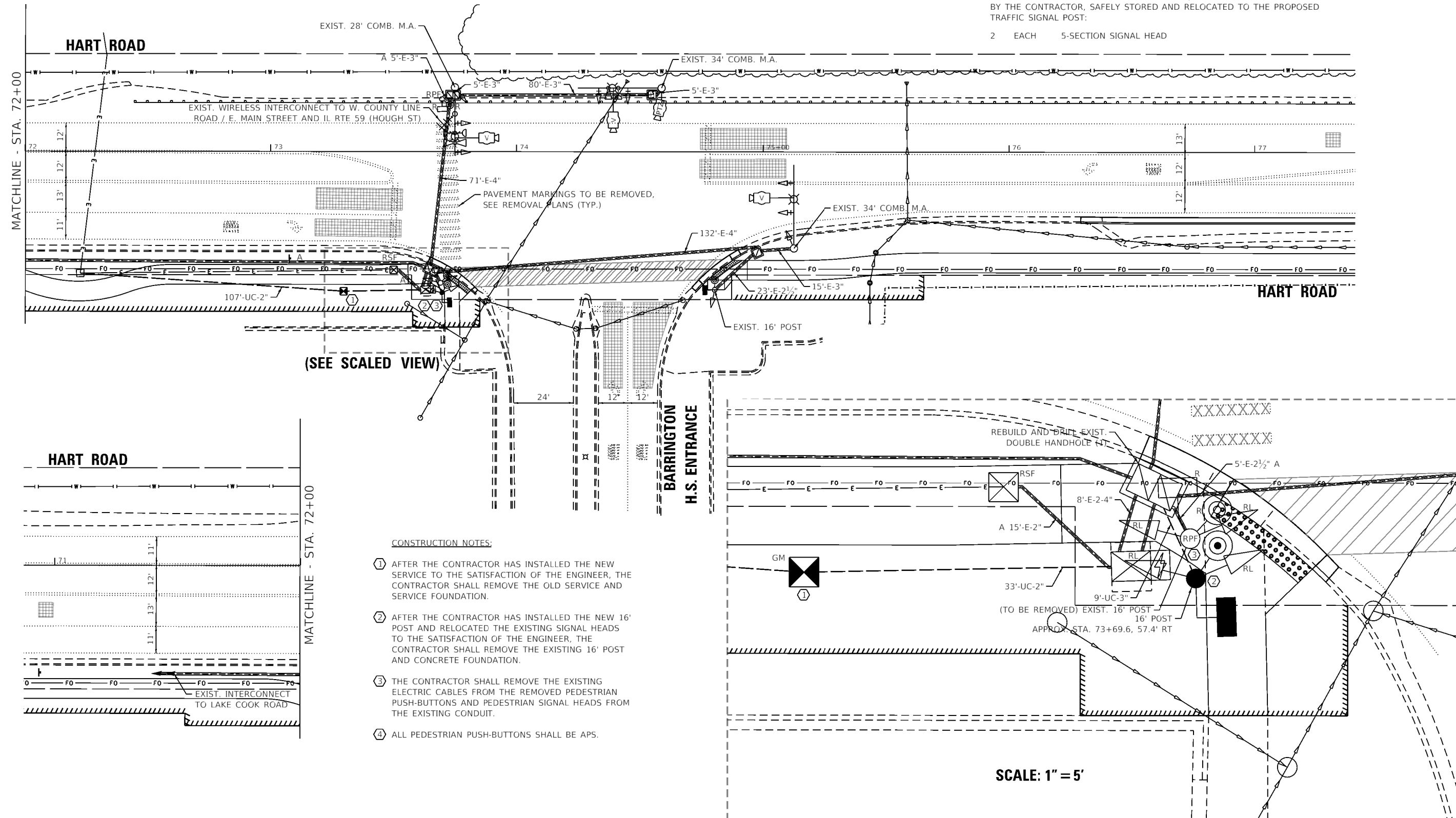
### REMOVAL AND RELOCATION NOTES:

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

- 2 EACH TRAFFIC SIGNAL POST
- 2 EACH PEDESTRIAN SIGNAL HEAD
- 2 EACH PEDESTRIAN PUSH-BUTTON
- 1 EACH SERVICE INSTALLATION

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED TRAFFIC SIGNAL POST:

- 2 EACH 5-SECTION SIGNAL HEAD



(SEE SCALED VIEW)

#### CONSTRUCTION NOTES:

- ① AFTER THE CONTRACTOR HAS INSTALLED THE NEW SERVICE TO THE SATISFACTION OF THE ENGINEER, THE CONTRACTOR SHALL REMOVE THE OLD SERVICE AND SERVICE FOUNDATION.
- ② AFTER THE CONTRACTOR HAS INSTALLED THE NEW 16' POST AND RELOCATED THE EXISTING SIGNAL HEADS TO THE SATISFACTION OF THE ENGINEER, THE CONTRACTOR SHALL REMOVE THE EXISTING 16' POST AND CONCRETE FOUNDATION.
- ③ THE CONTRACTOR SHALL REMOVE THE EXISTING ELECTRIC CABLES FROM THE REMOVED PEDESTRIAN PUSH-BUTTONS AND PEDESTRIAN SIGNAL HEADS FROM THE EXISTING CONDUIT.
- ④ ALL PEDESTRIAN PUSH-BUTTONS SHALL BE APS.

**GHA GEWALT HAMILTON TS SHT NO. 5 ASSOCIATES, INC.**

MODEL: Barrington HS Perm  
FILE NAME: 4370.120.sht.dgn

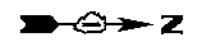
FILE NAME =	USER NAME = DQlesak	DESIGNED - RIH	REVISED -
4370.120-sht-TS.dgn		DRAWN - ZCW	REVISED -
4370.120	PLOT SCALE = 1:40	CHECKED - RIH	REVISED -
Barrington HS Perm	PLOT DATE = 2/14/2022	DATE - 2/11/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

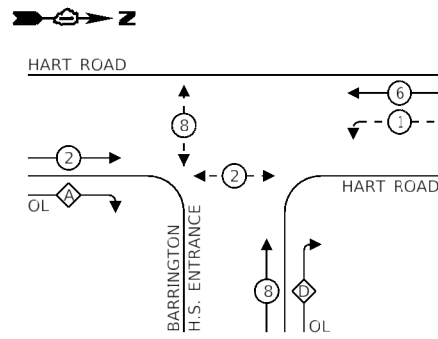
TRAFFIC SIGNAL MODIFICATION PLAN			
HART ROAD AT BARRINGTON HIGH SCHOOL ENTRANCE			
SCALE: 1"=20'	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	72
CONTRACT NO. 61H66				
ILLINOIS FED. AID PROJECT				





**PROPOSED CONTROLLER SEQUENCE**



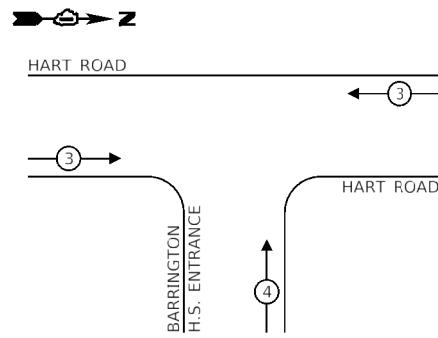
**LEGEND:**

- ← \* → PROTECTED PHASE
- ← \* - - → PROTECTED/PERMITTED PHASE
- ← \* → PEDESTRIAN PHASE
- ← OL → OVERLAP

**RIGHT TURN OVERLAP PHASE DESIGNATION:**

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
A	= 2 + 3	
D	= 8 + 1	

**PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



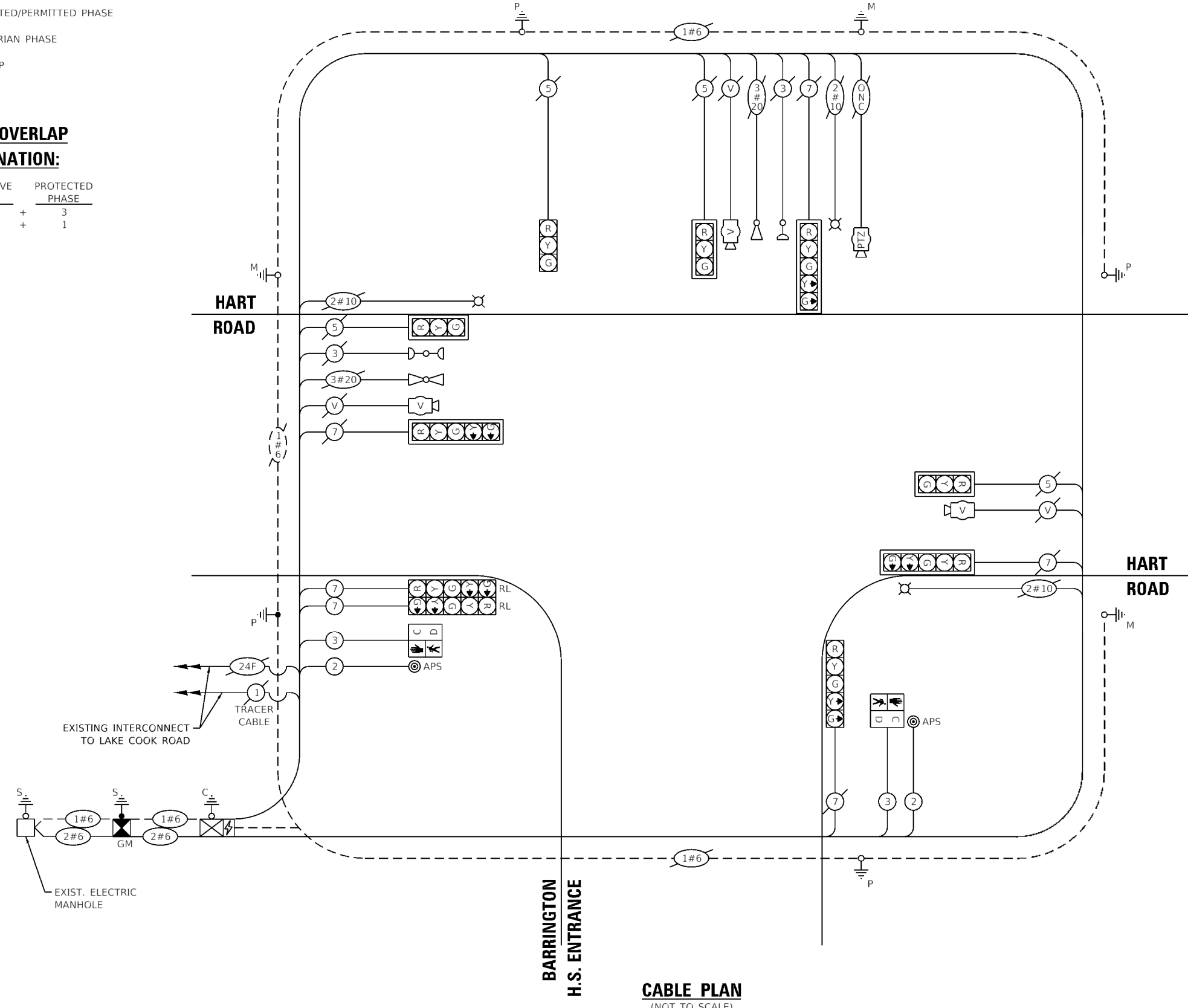
**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	10	11	50	55
(YELLOW)	10	20	5	10
(GREEN)	10	12	45	54
PERMISSIVE ARROW	12	10	10	12
PED. SIGNAL	2	20	100	40
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	1	150	100	150
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	3	250	50	750
<b>TOTAL =</b>				<b>1,196</b>

ENERGY COSTS TO:

ENERGY SUPPLY: CONTACT: DAVE SCHACHT  
 PHONE: (630) 437-2129  
 COMPANY: COM-ED  
 ACCOUNT NUMBER:                     

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
4370.120-sht-TS-Cable.dgn	DGilesak	RJH	
4370.120		DRAWN -	REVISED -
Barrington HS Perm		ZCW	
		CHECKED -	REVISED -
		RJH	
		DATE -	REVISED -
		2/11/2022	
		PLOT SCALE =	
		1:40	
		PLOT DATE =	
		2/14/2022	



**CABLE PLAN**  
(NOT TO SCALE)

**GHA GEWALT HAMILTON TS SHT NO. 6**  
 ASSOCIATES, INC.

MODEL: Barrington HS Perm  
 FILE NAME: 4370.120-sht-TS-Cable.dgn

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN, PHASE DESIGNATION DIAGRAM,**  
**AND EMERGENCY VEHICLE PREEMPTION SEQUENCE**  
**HART ROAD AT BARRINGTON H.S. ENTRANCE**

SCALE: N.A. SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	73
CONTRACT NO. 61H66				
ILLINOIS FED. AID PROJECT				

### SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	140
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	9
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	248
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	262
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	71
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	170
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	179
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	8
DRILL EXISTING HANDHOLE	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
RELOCATE EXISTING SIGNAL HEAD	EACH	2
REMOVE EXISTING SERVICE INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	420
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	3
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
REBUILD EXISTING DOUBLE HANDHOLE	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	2
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

FILE NAME =	USER NAME = DQ/lesak	DESIGNED - RJH	REVISED -
4370.120-sht-Signage.dgn		DRAWN - ZCW	REVISED -
4370.120	PLOT SCALE = 1:40	CHECKED - RJH	REVISED -
Barrington HS Perm	PLOT DATE = 2/14/2022	DATE - 2/11/2022	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**  
**HART ROAD AT BARRINGTON HIGH SCHOOL ENTRANCE**

SCALE: N.A.    SHEET OF SHEETS    STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	74
CONTRACT NO. 61H66				
ILLINOIS FED. AID PROJECT				

# TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

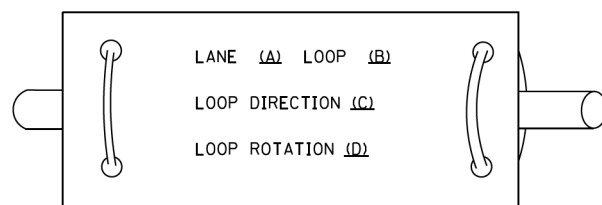
ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND			SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND			SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED			RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM			FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM			GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM					
SIGNAL HEAD			RELOCATE ITEM					
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM					
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED					
FLASHER INSTALLATION -(FS) SOLAR POWERED			MAST ARM POLE AND FOUNDATION TO BE REMOVED					
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			DETECTOR LOOP, TYPE I					
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

FILE NAME = ts05.dgn	USER NAME = luyoo	DESIGNED - IP	REVISED -
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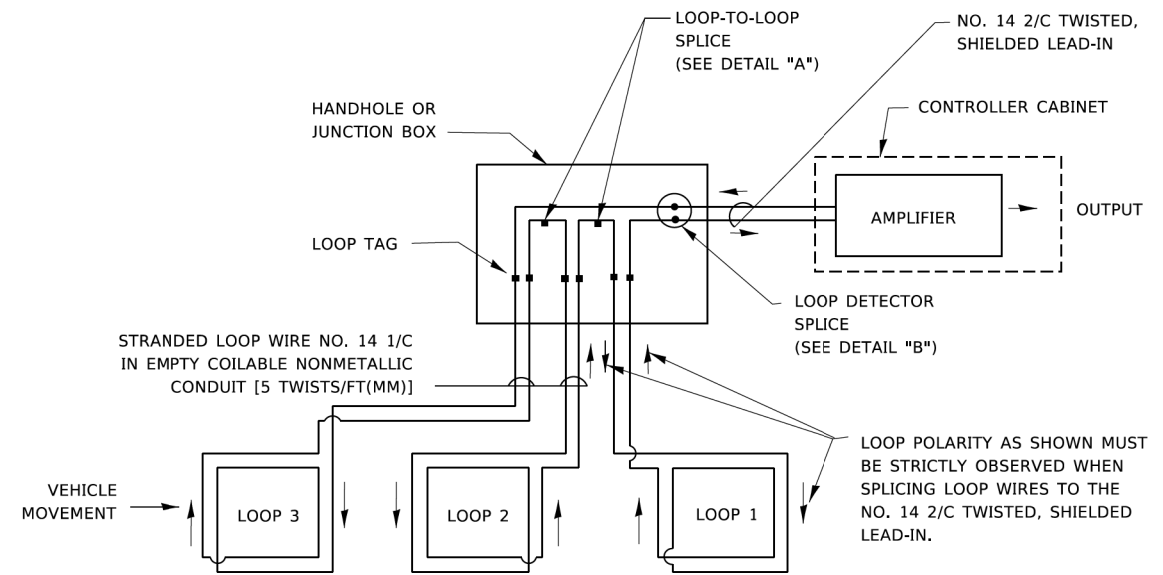
**LOOP DETECTOR NOTES**

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVESHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

**LOOP LEAD-IN CABLE TAG**

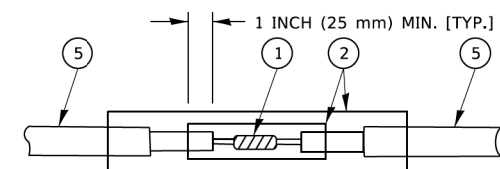


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

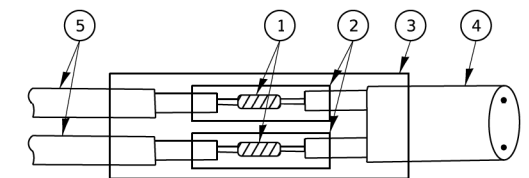


**DETECTOR LOOP WIRING SCHEMATIC**

- LOOPS SHALL BE SPLICED IN SERIES. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE,
- THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

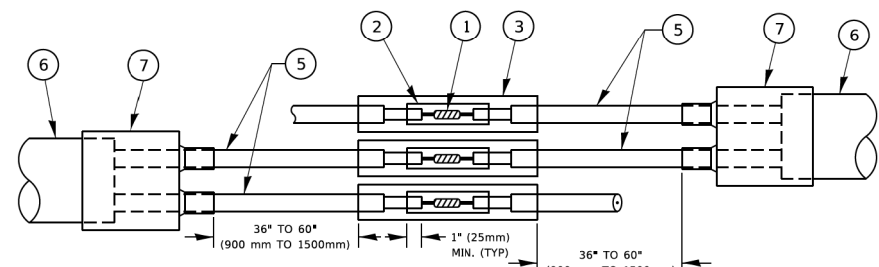


DETAIL "A"  
LOOP-TO-LOOP SPLICE

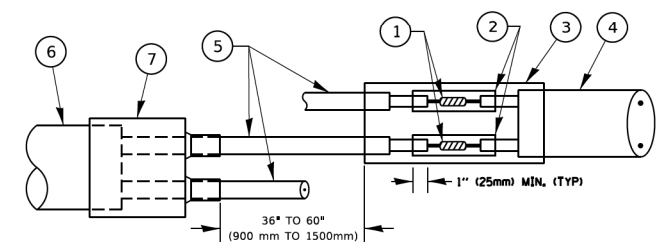


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**TYPE I LOOP**



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**PREFORMED LOOP**

**LOOP DETECTOR SPLICE**

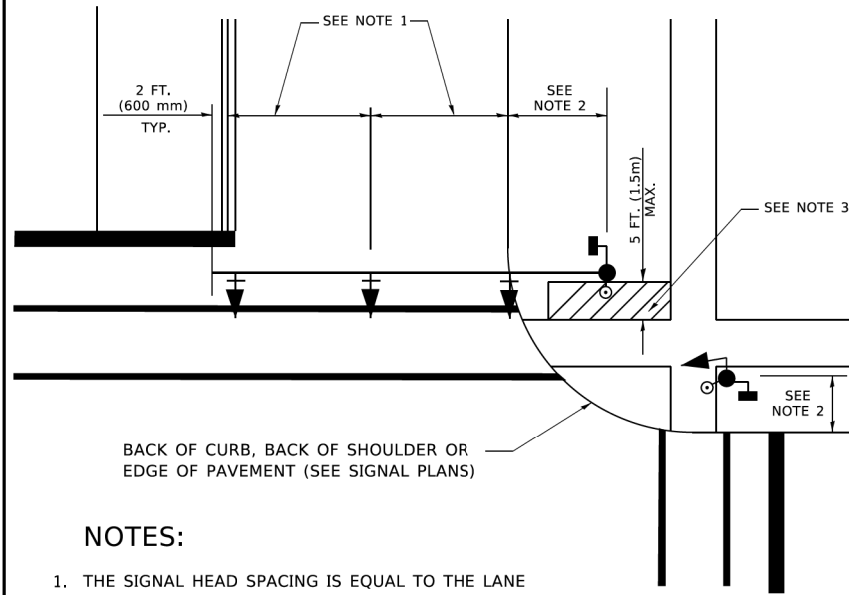
- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- 2 WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- 3 WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- 4 NO. 14 2/C TWISTED, SHIELDED CABLE.
- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PREFORMED LOOP
- 6 XL POLYOLEFIN 2 CONDUCTOR
- 7 BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

USER NAME = footemj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50,0000 ' / ft.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00091-00-BT	LAKE	115	76
TS-05		CONTRACT NO. 61H66		
ILLINOIS FED. AID PROJECT				

**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST**

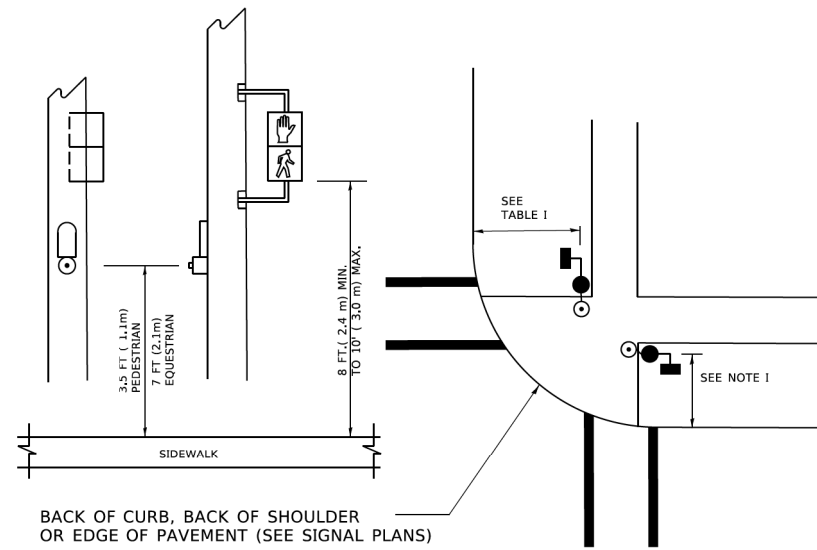
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



**NOTES:**

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

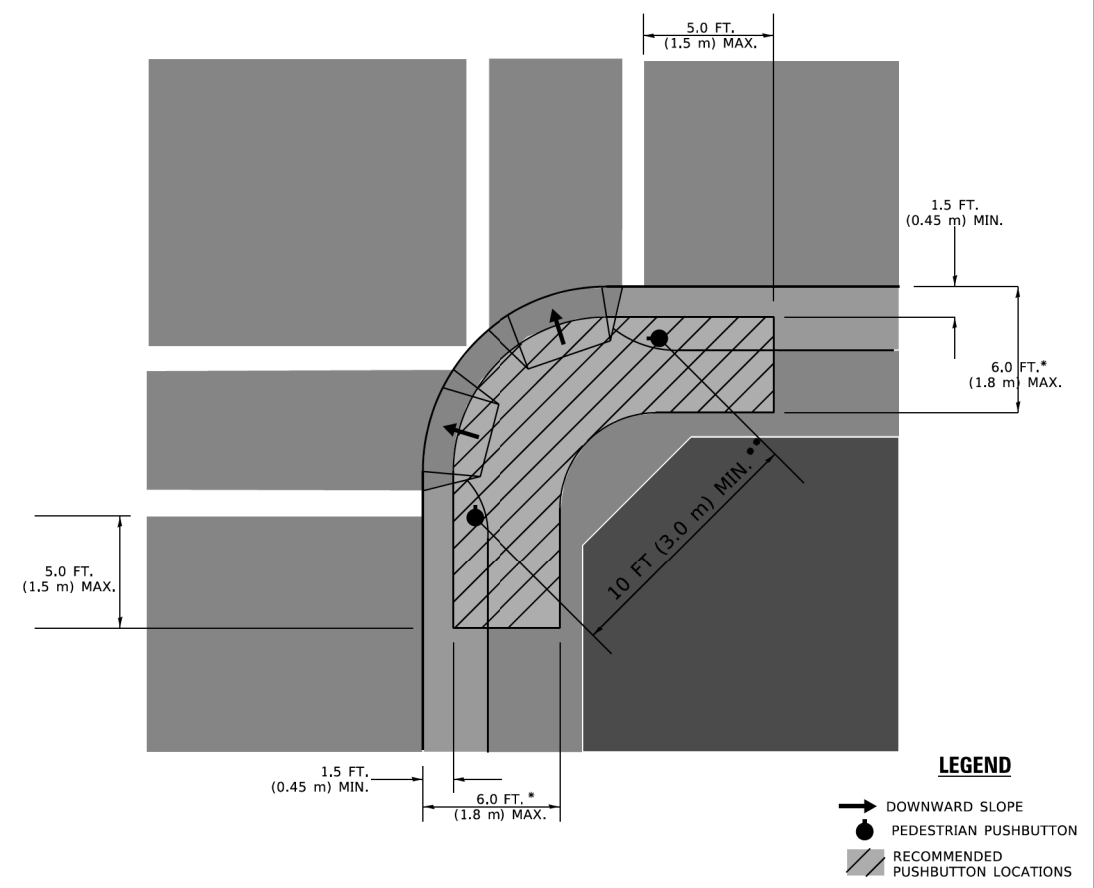
**PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST**



**NOTES:**

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

**RECOMMENDED PUSHBUTTON LOCATIONS**



- \* WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT ( 1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- \*\* WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

**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 (0.5m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.5m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.3m), 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 (1.3m), 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.

**GHA GEWALT HAMILTON TS SHT NO. 10 ASSOCIATES, INC.**

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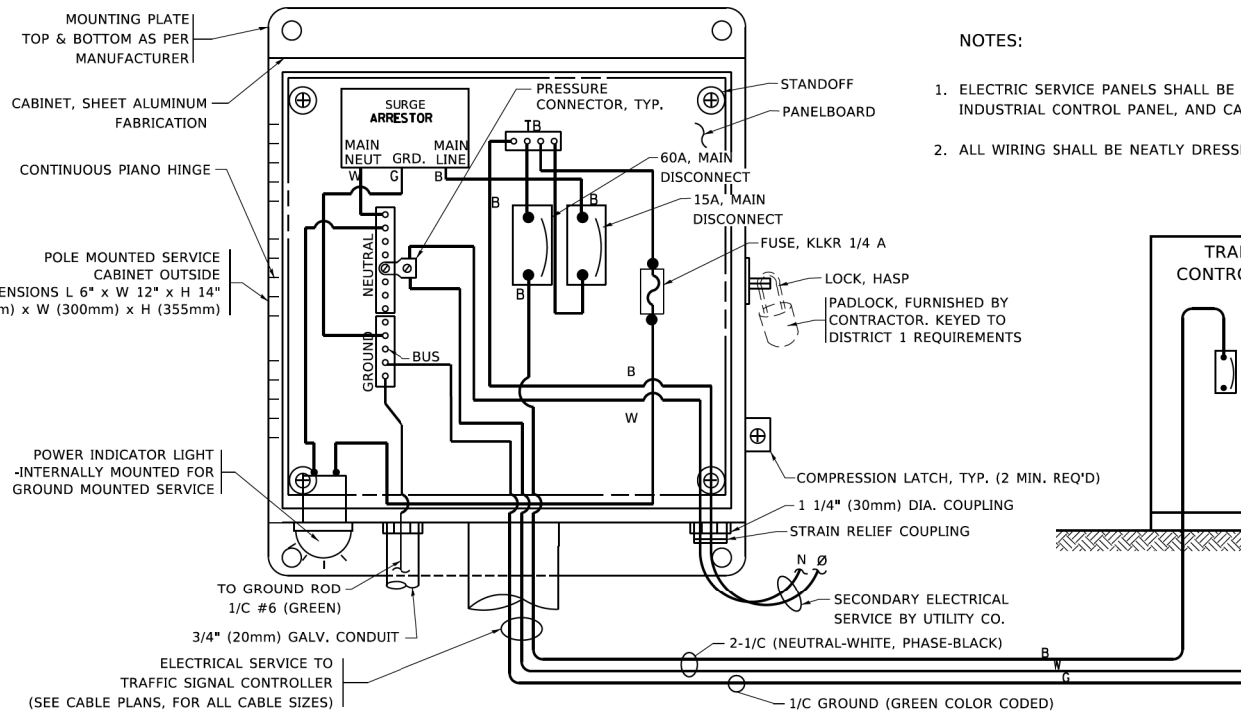
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PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

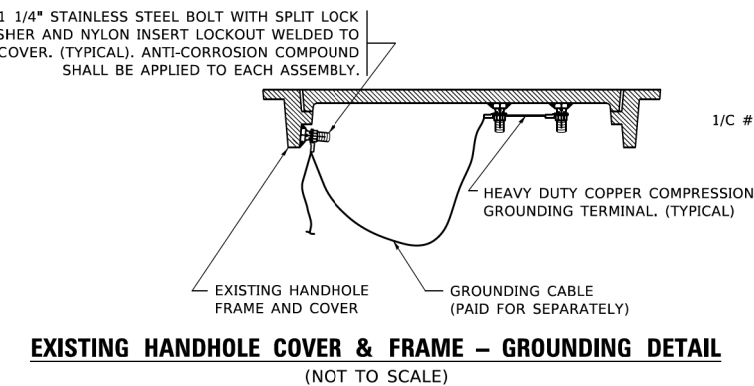
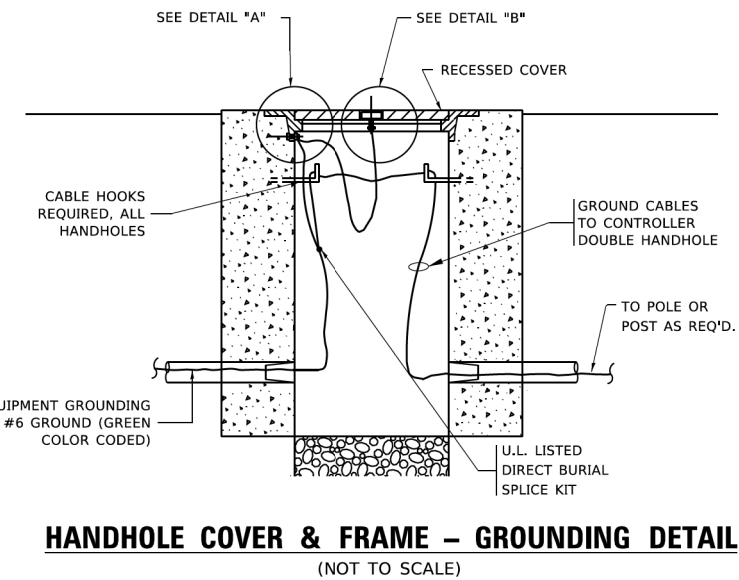
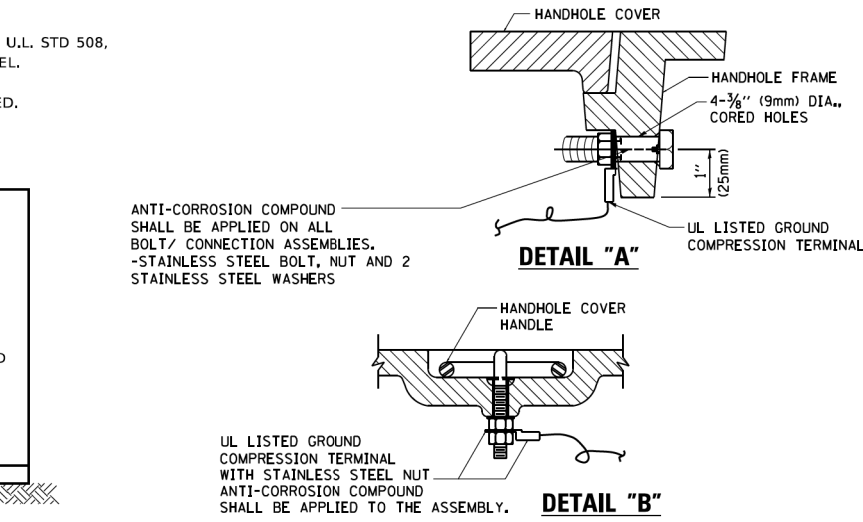
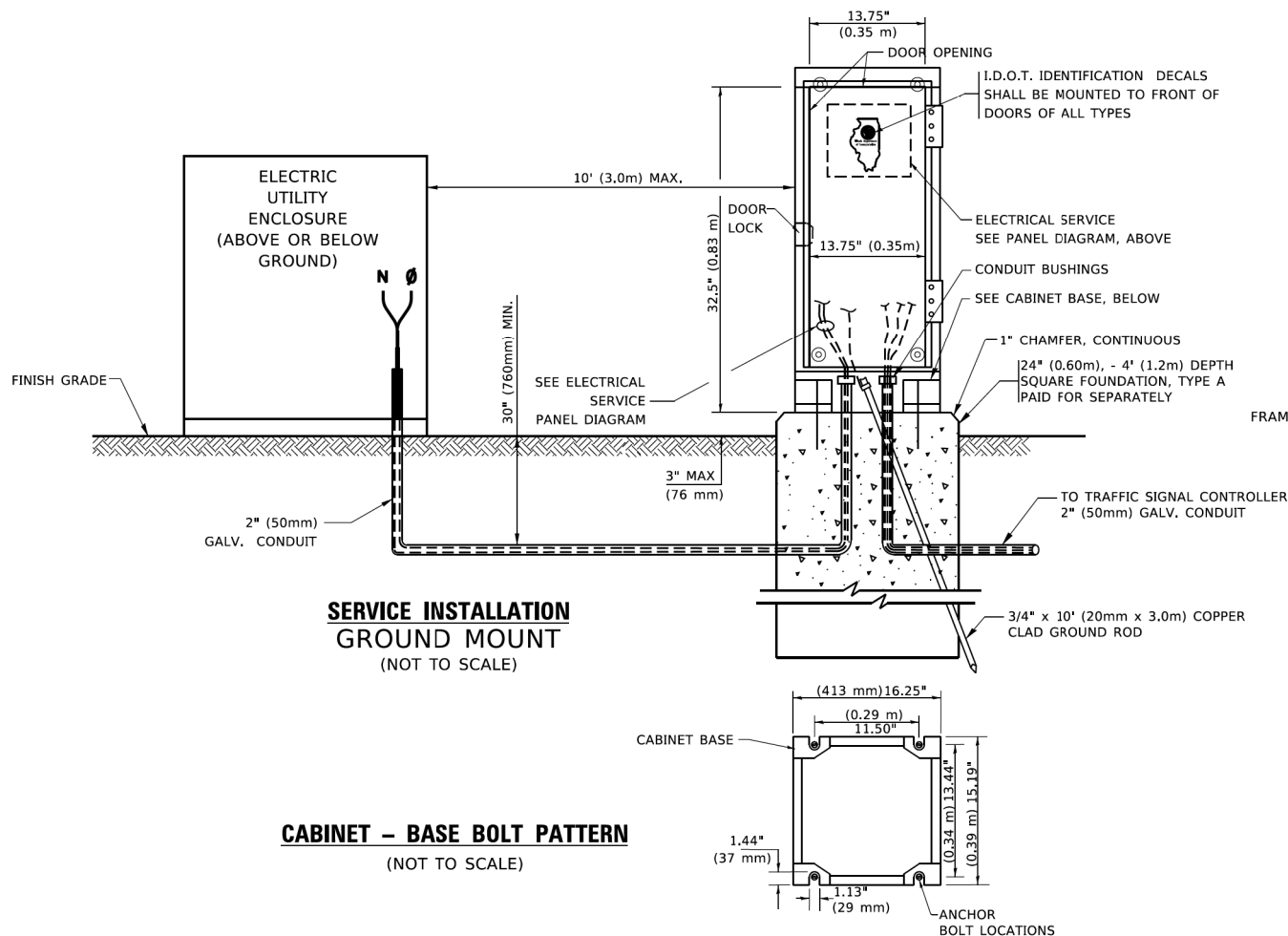
**DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	13-00091-00-BT	LAKE	115	77
<b>TS-05</b>		CONTRACT NO. 61H66		
ILLINOIS   FED. AID PROJECT				

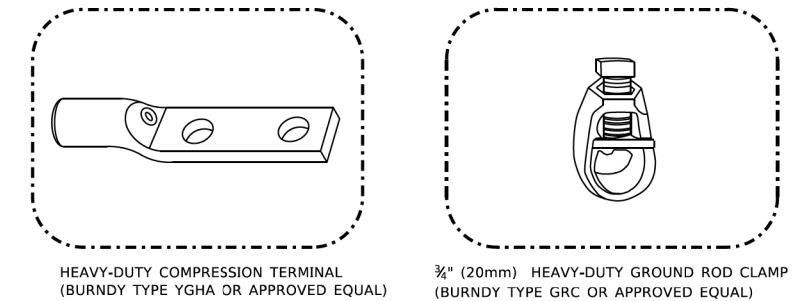


**ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)**  
**SERVICE INSTALLATION POLE MOUNT (SHOWN)**  
 (NOT TO SCALE)



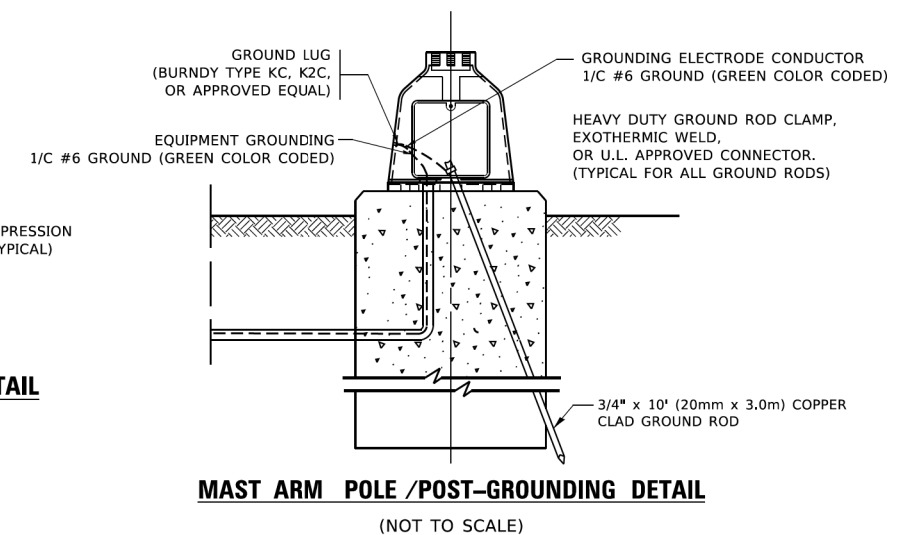
**NOTES:**  
**GROUNDING SYSTEM**

- 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.



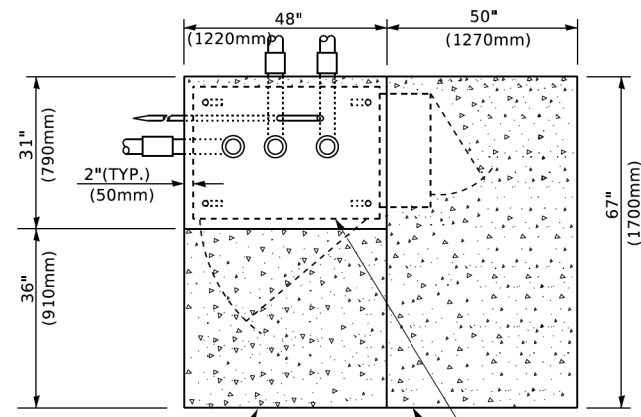
**NOTES:**

- 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.



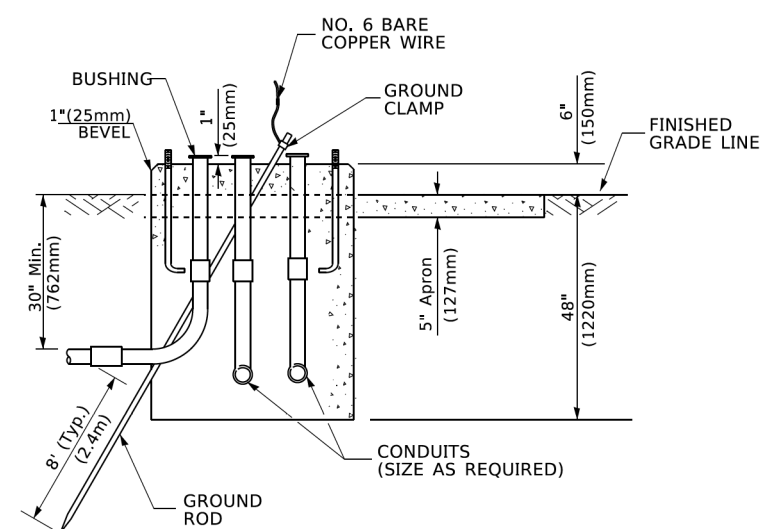
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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<b>TS-05</b>		CONTRACT NO. 61H66		
ILLINOIS		FED. AID PROJECT		

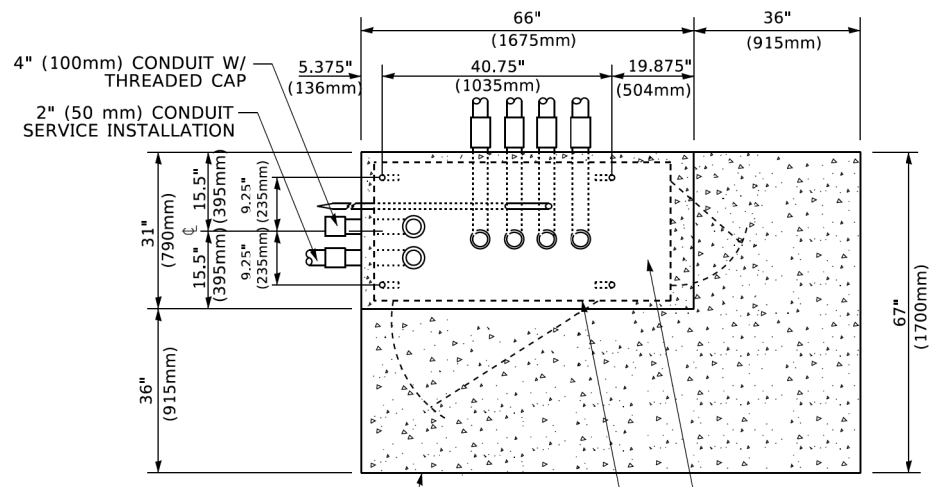


**TOP VIEW**

EXISTING APRON  
 CONTROLLER CABINET BASE  
 PROPOSED APRON

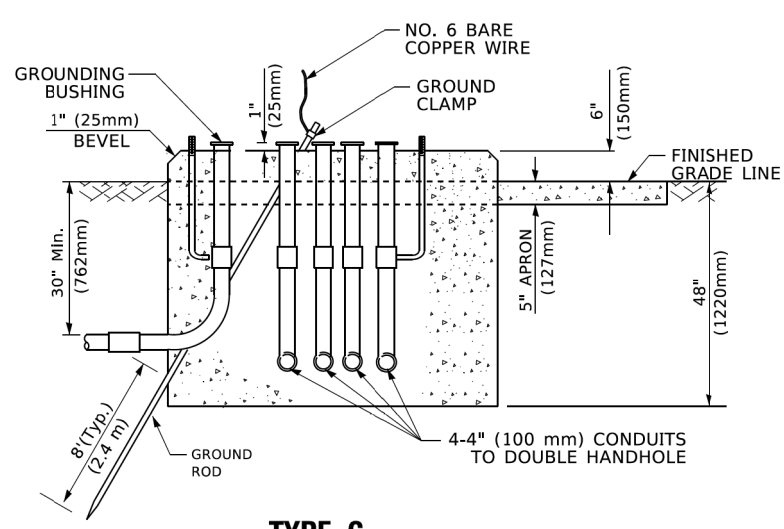


**TYPE D  
 FOR GROUND MOUNTED  
 CONTROLLER CABINET  
 AND UPS BATTERY CABINET**

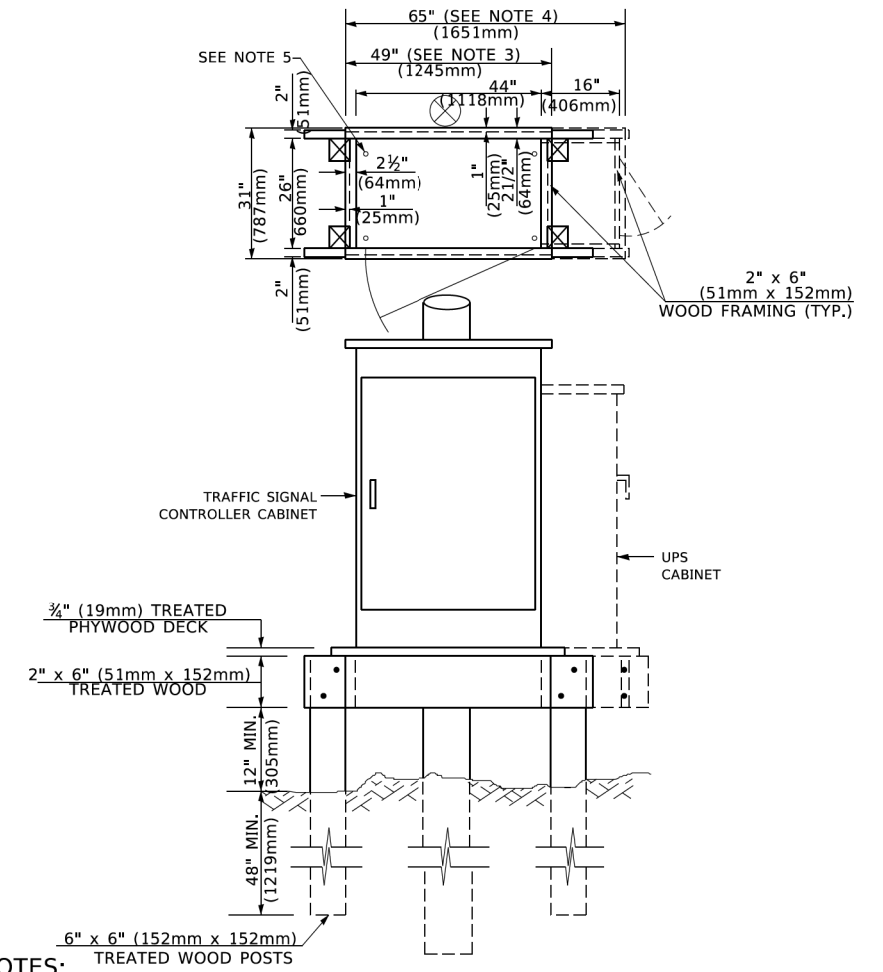


**TOP VIEW**

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



**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	① 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 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 less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m)	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**

**GHA GEORGE HAMILTON TS SHT NO. 12**  
 ASSOCIATES, INC.

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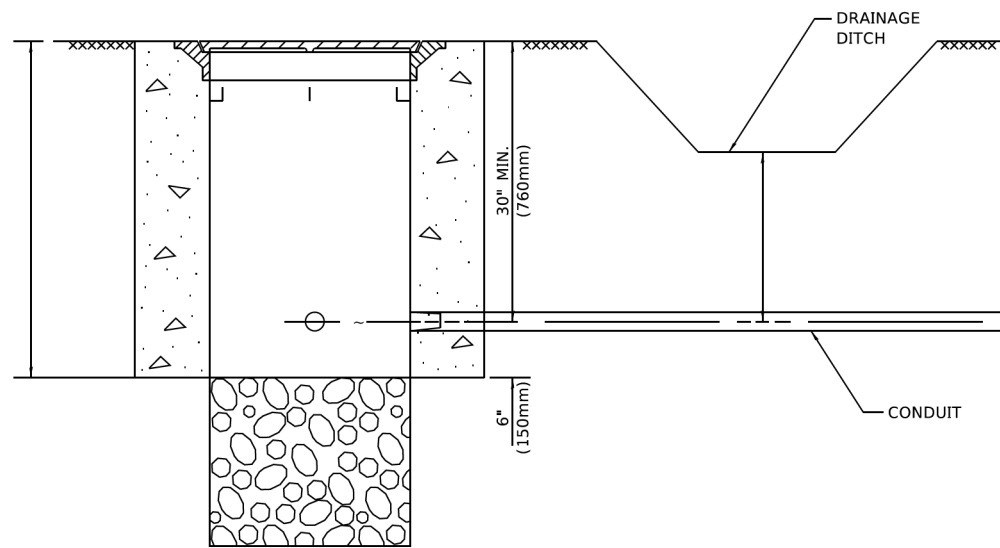
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE  
 STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 5 OF 7 SHEETS STA. TO STA.

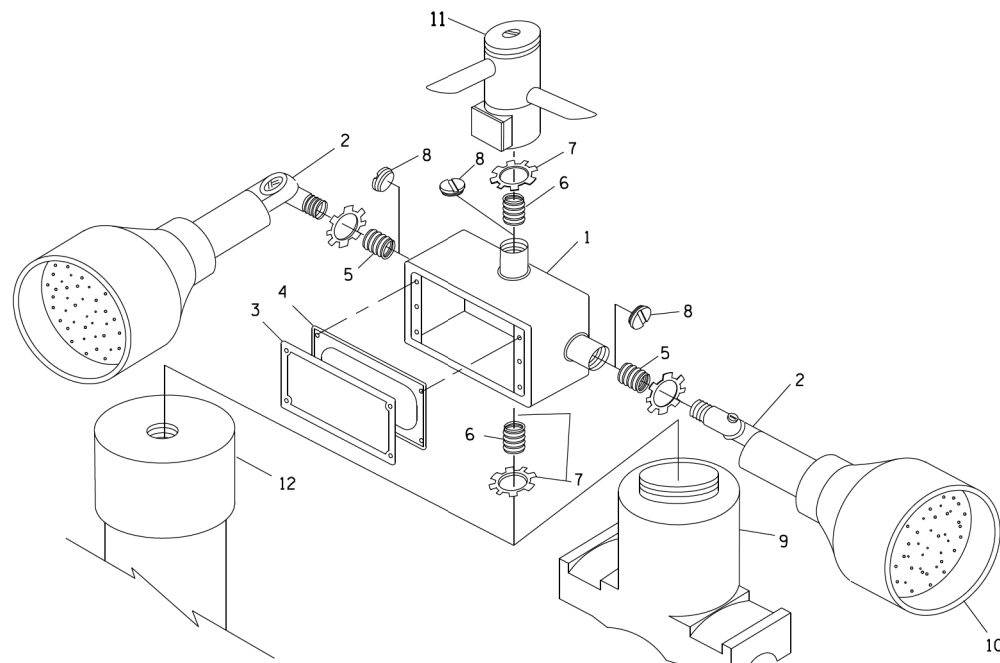
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	13-00091-00-BT	LAKE	115	79
TS-05			CONTRACT NO. 61H66	
ILLINOIS / FED. AID PROJECT				



**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.

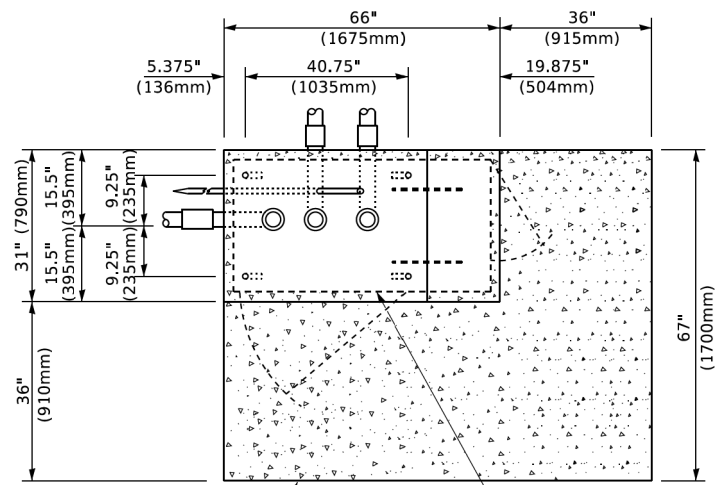
**HANDHOLE WITH MINIMUM CONDUIT DEPTH**  
(NOT TO SCALE)



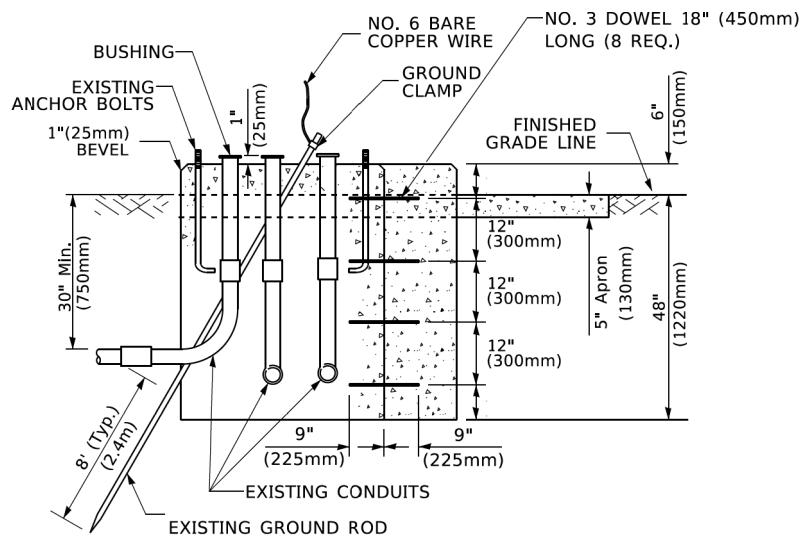
**POST CAP MOUNT**

**MAST ARM MOUNT**

**EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL**



**TOP VIEW**  
(NOT TO SCALE)

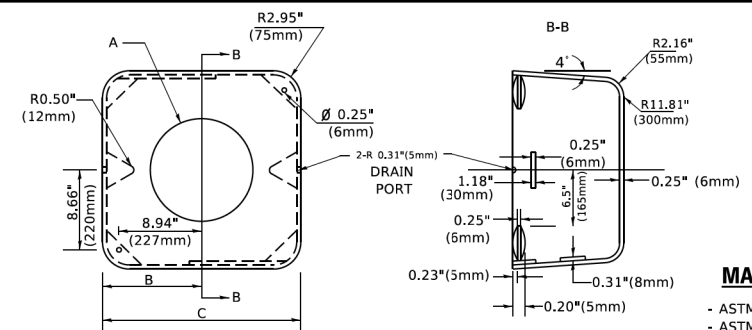


**MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION**  
(NOT TO SCALE)

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.



**MATERIAL**  
- ASTM A36 STEEL  
- ASTM A-123 HOT DIPPED GALVANIZED

A	B	C	HEIGHT	WEIGHT
VARIES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

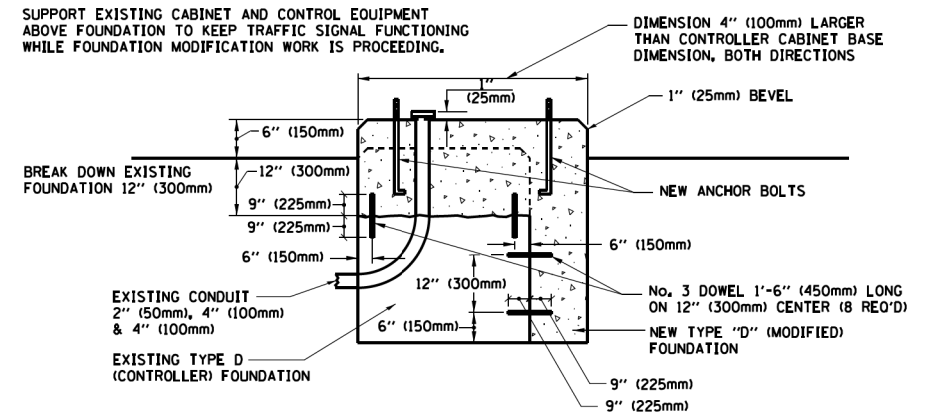
**SHROUD**

**NOTES:**

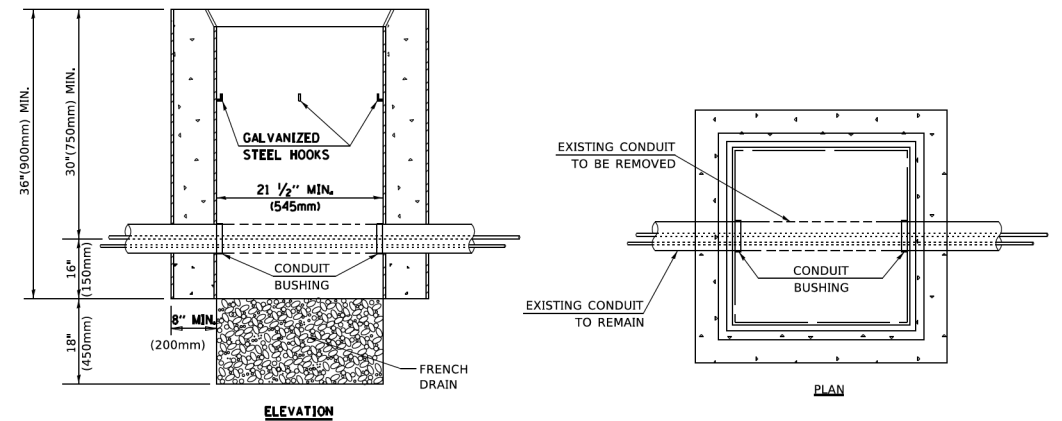
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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



**NOTES:**

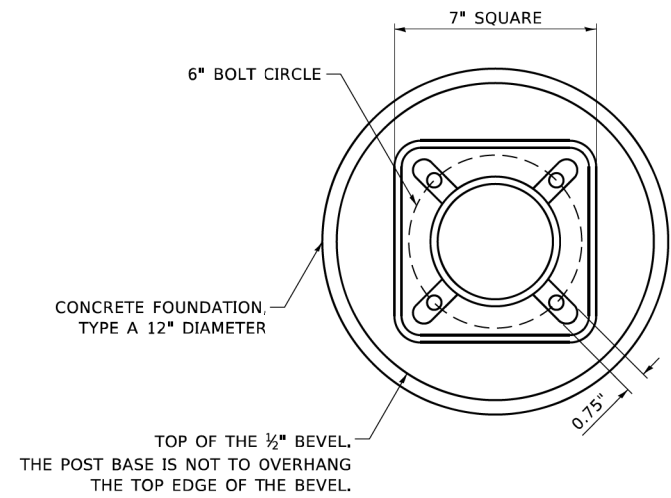
1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

**HANDHOLE TO INTERCEPT EXISTING CONDUIT**

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

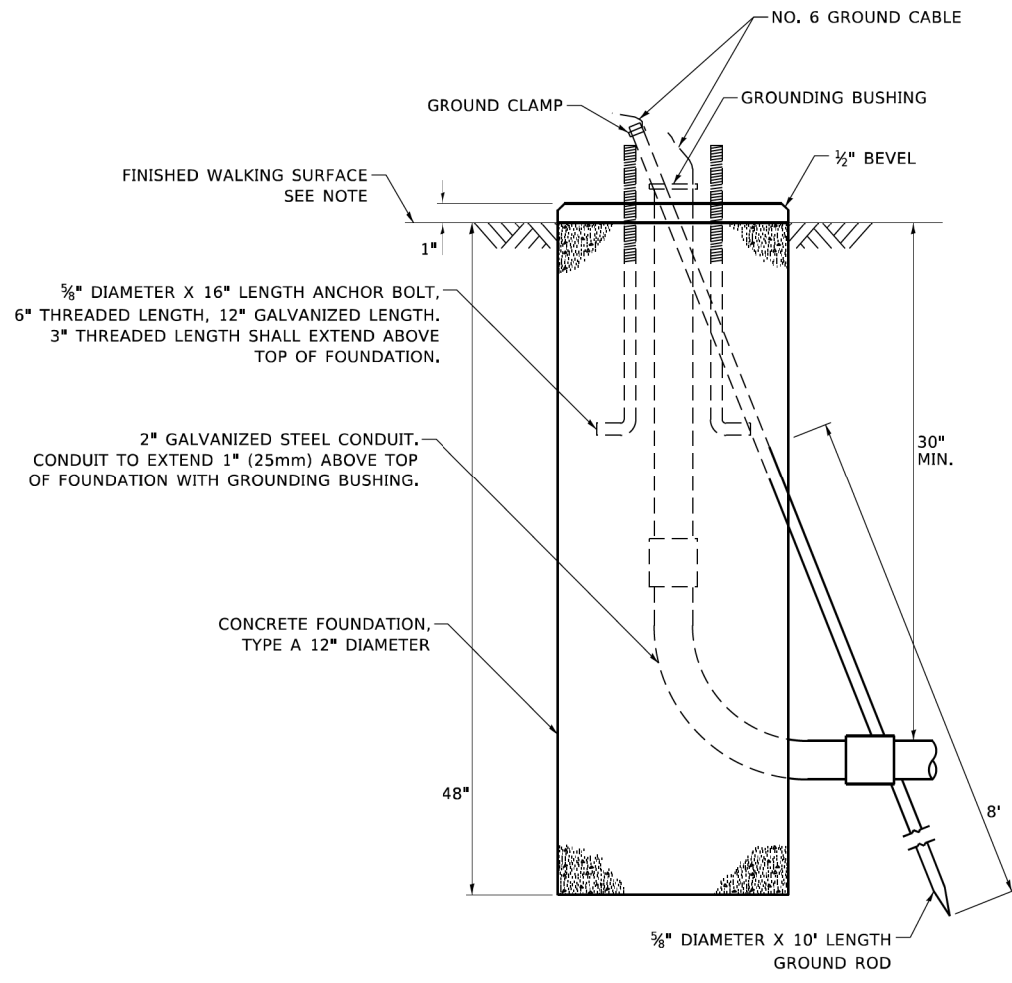
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	TS-05	CONTRACT NO. 61H66		
ILLINOIS / FED. AID PROJECT				



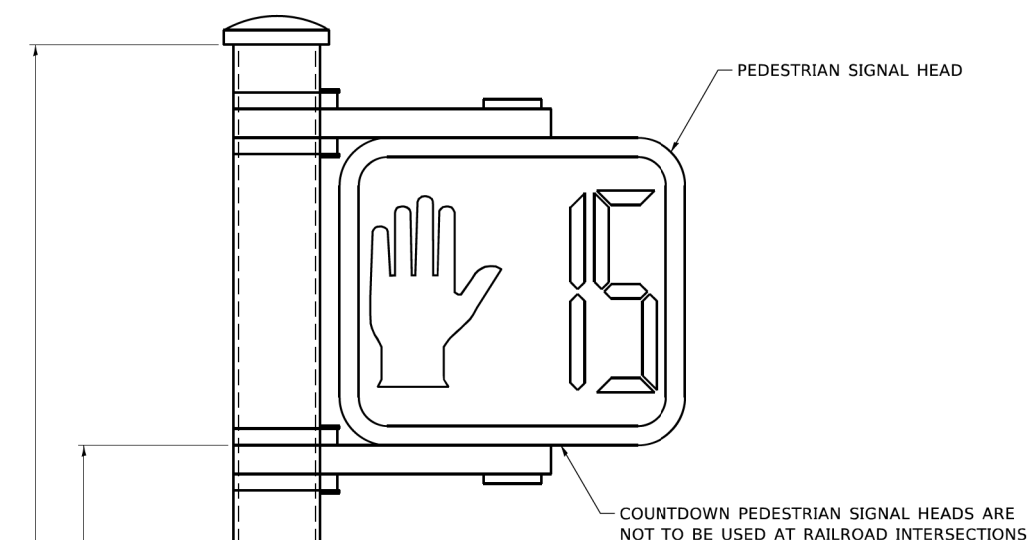


**BOLT PATTERN**

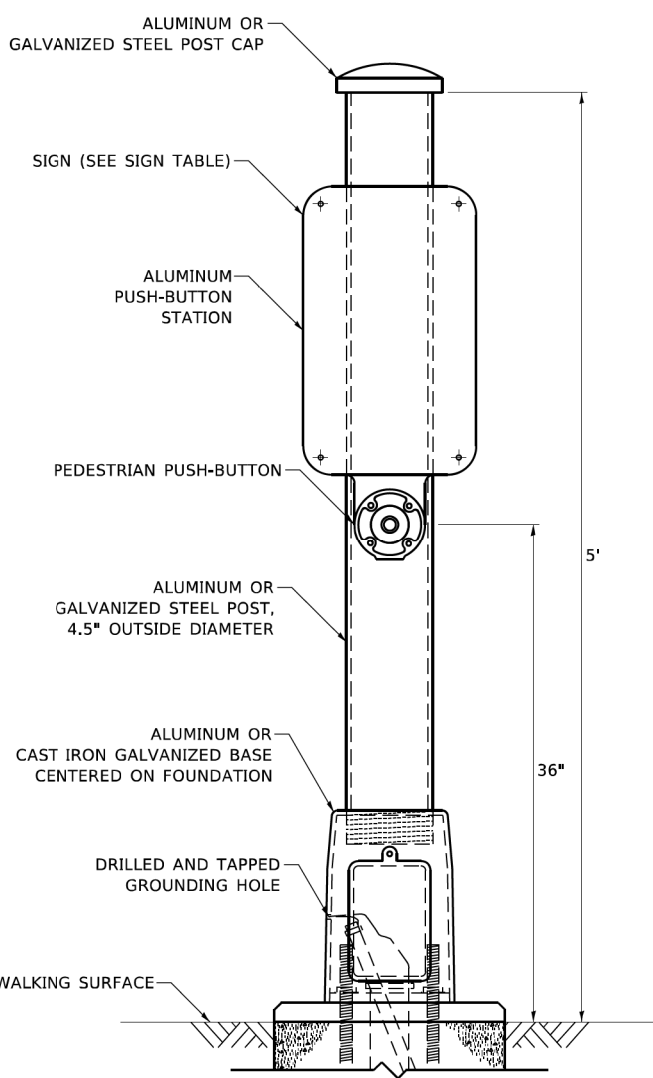
NOTE:  
 1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN OR BEHIND A BARRIER CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE BARRIER CURB.



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



**PEDESTRIAN SIGNAL POST, 10 FT.**



**PEDESTRIAN SIGNAL POST, 5 FT.**



**SIGN TABLE**

SIGN	DIMENSIONS
R10-3b (RAILROAD ONLY)	9" X 12"
R10-3d (RAILROAD ONLY)	9" X 12"
R10-3e	9" X 15"

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.

**GHA GEWALT HAMILTON TS SHT NO. 14 ASSOCIATES, INC.**

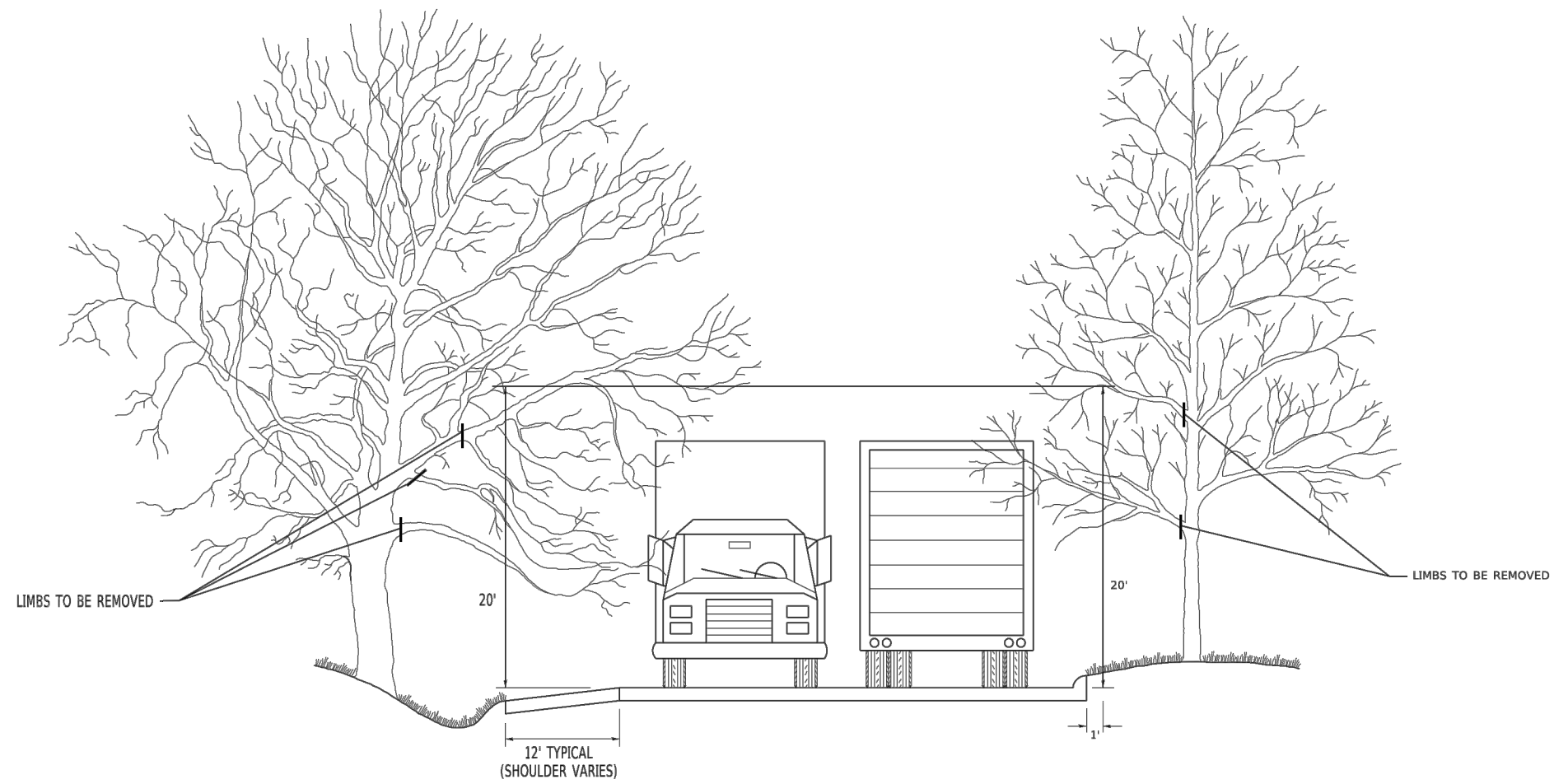
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**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS**  
 SCALE: NTS SHEET NO. 7 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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<b>TS-05</b>		CONTRACT NO. 61H66		
ILLINOIS		FED. AID PROJECT		



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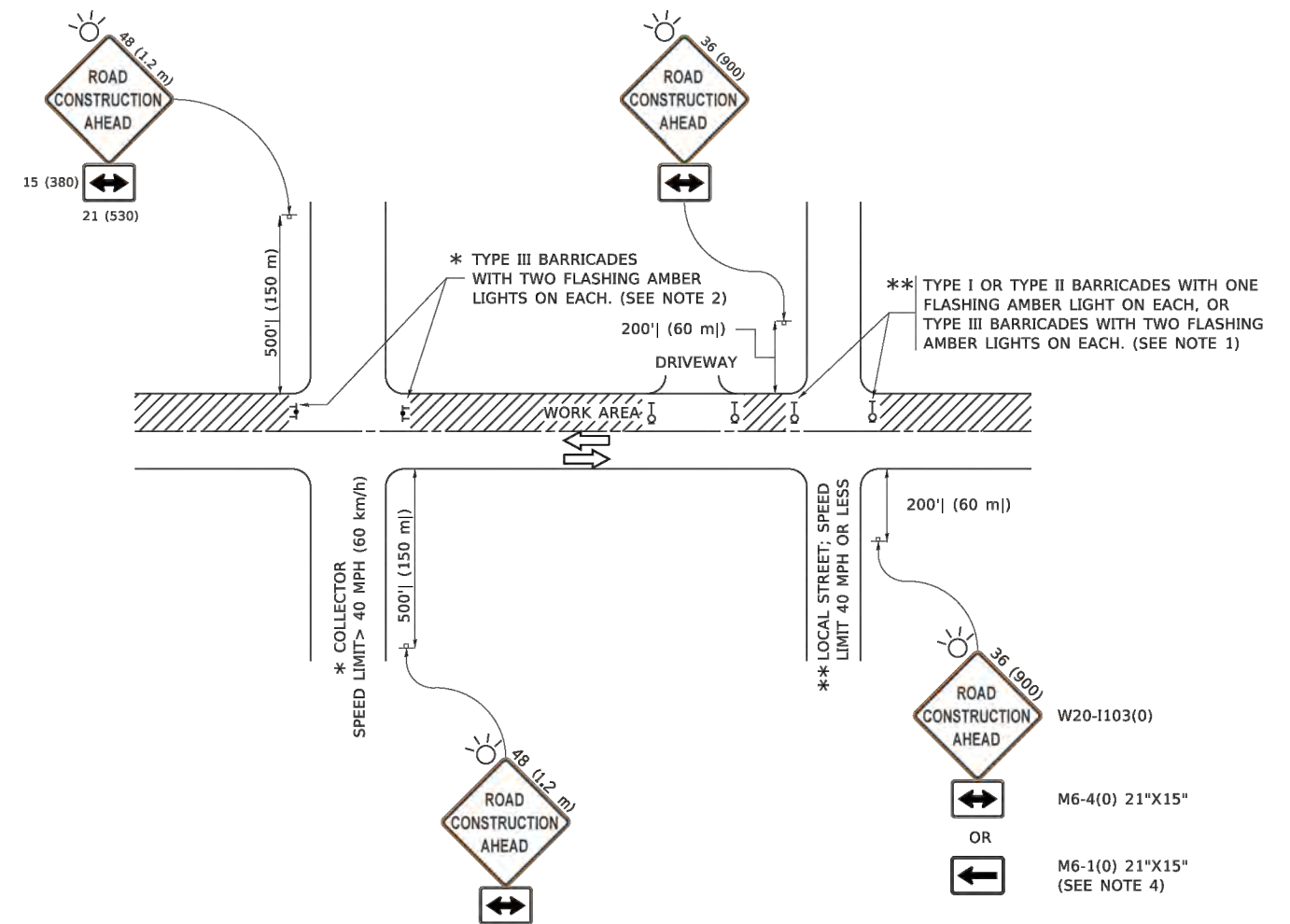
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PRUNING FOR SAFETY AND**  
**EQUIPMENT CLEARANCE**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1276	13-00091-00-BT	LAKE	115	82
<b>BM-20</b>		CONTRACT NO. 61H66		
ILLINOIS FED. AID PROJECT				



**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.  
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.
  - b) 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.

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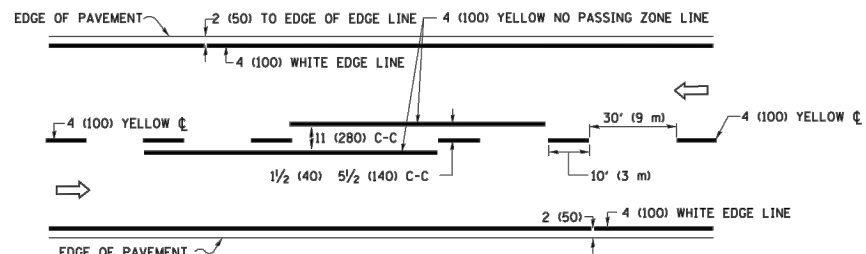
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

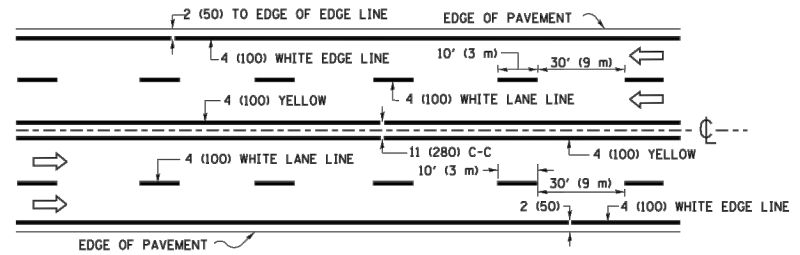
**TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

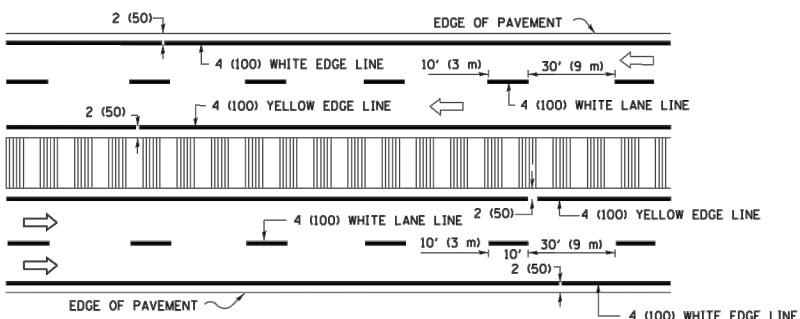
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2549 1276	13-00091-00-BT	LAKE	115	83
<b>TC-10</b>			CONTRACT NO. 61H66	
ILLINOIS FED. AID PROJECT				



**2-LANE ROADWAY**

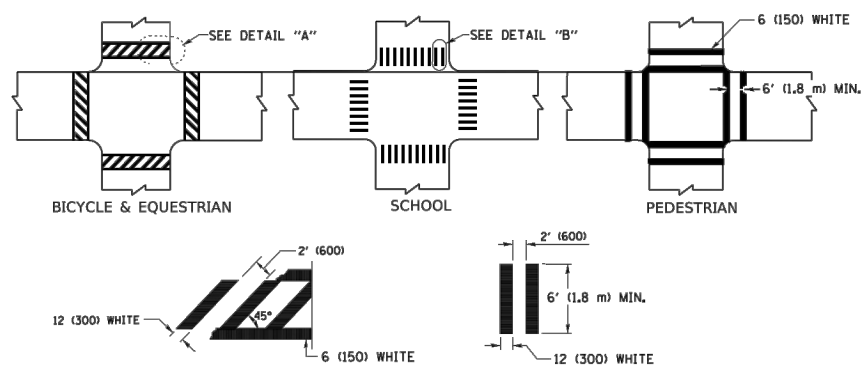


**MULTI-LANE UNDIVIDED**



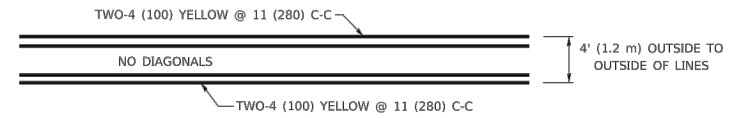
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

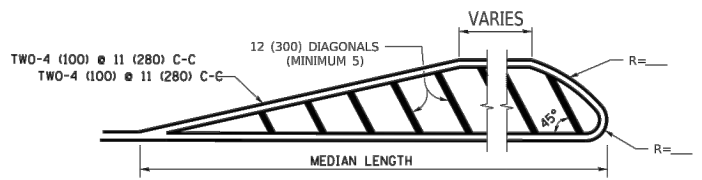


**TYPICAL CROSSWALK MARKING**

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

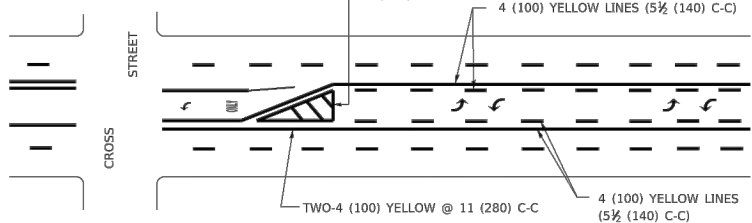


**4' (1.2 m) WIDE MEDIANS ONLY**



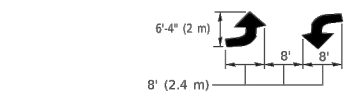
**MEDIANS OVER 4' (1.2 m) WIDE**

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**

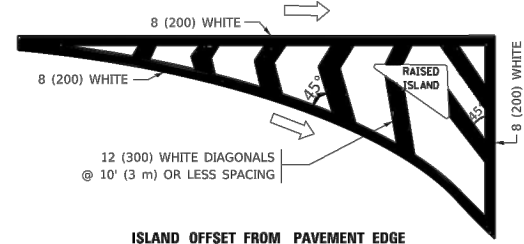
A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



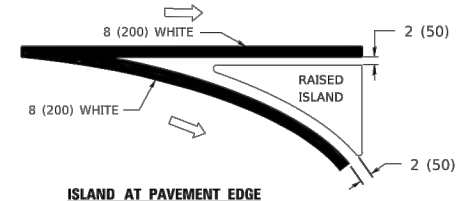
**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**

FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
\* 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".

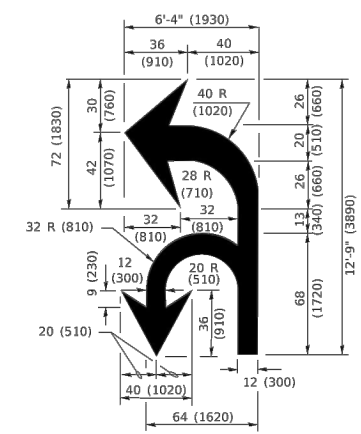


**ISLAND OFFSET FROM PAVEMENT EDGE**

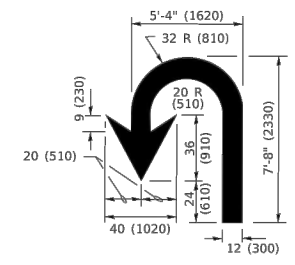


**ISLAND AT PAVEMENT EDGE**

**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 <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
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.

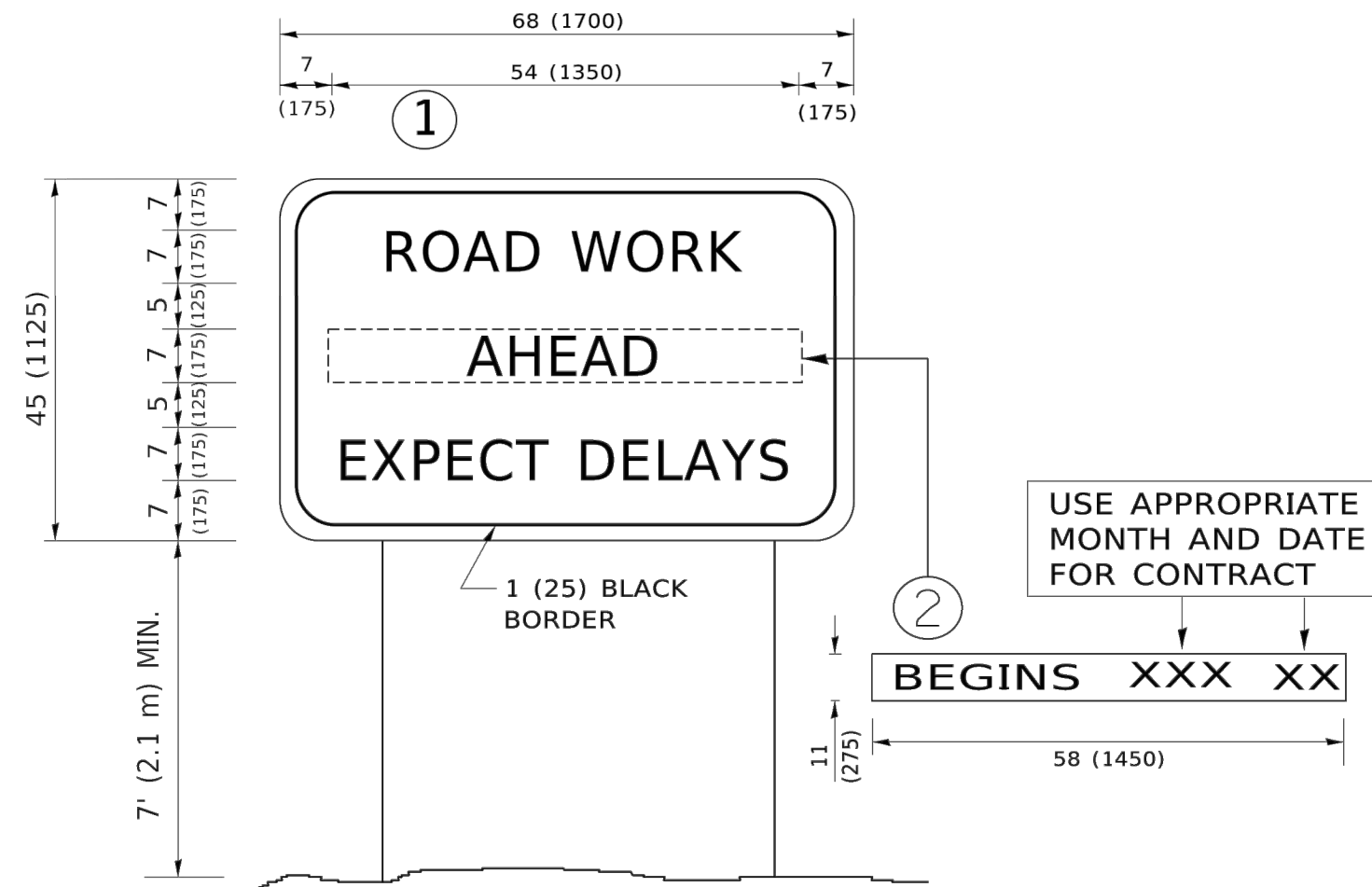
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	PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DISTRICT ONE</b>			
<b>TYPICAL PAVEMENT MARKINGS</b>			
SCALE: NONE	SHEET 1 OF 2 SHEETS	STA. TO STA.	

F.A.U. RTE. 2549/1276	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 84
TC-13		CONTRACT NO. 61H66		
ILLINOIS FED. AID PROJECT				



**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.

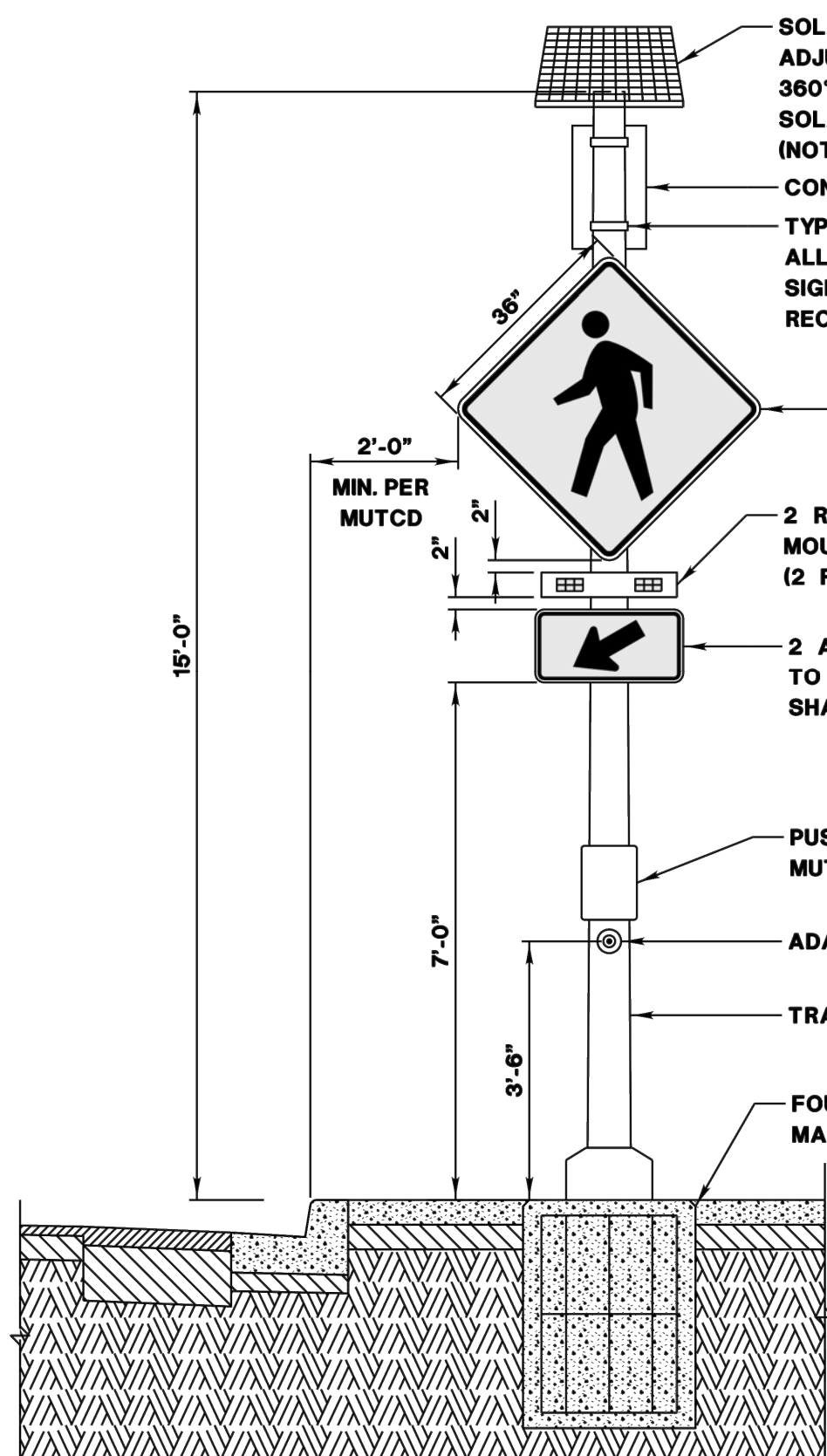
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		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ARTERIAL ROAD INFORMATION SIGN</b>			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.U. RTE. 2549 1276	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 85
TC-22		CONTRACT NO. 61H66		
ILLINOIS FED. AID PROJECT				



SOLAR PANEL AFFIXED TO ALUMINUM PLATE AND BRACKET, ADJUSTABLE AT ANGLE OF 45° TO 60° VERTICALLY AND 360° ROTATEABLE TO FACILITATE ADJUSTMENT FOR MAXIMUM SOLAR COLLECTION AND OPTIMAL BATTERY STRENGTH. (NOT NEEDED WITH EXTERNAL POWER SOURCE.)

CONTROL BOX AND BATTERY CABINET

TYPICAL EQUIPMENT ATTACHMENT BRACKET. ALL EQUIPMENT SHALL BE ATTACHED TO THE SIGNAL POLE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS AND LCDOT STANDARDS.

2 PEDESTRIAN WARNING SIGNS INSTALLED BACK TO BACK TO BE VISIBLE FROM BOTH DIRECTIONS. SIGN TYPE TO BE DETERMINED BY LCDOT TRAFFIC ENGINEER.

2 RECTANGULAR RAPID FLASHING BEACON (RRFB) MOUNTED BACK TO BACK WITH AIMABLE LED ARRAYS (2 FRONT, 2 BACK AND FAR SIDE PED. INDICATOR)

2 ARROW SIGNS INSTALLED BACK TO BACK TO BE VISIBLE FROM BOTH DIRECTIONS, SHALL BE MUTCD W16-7P (24"x12") FYG


PUSH BUTTON SIGN, SHALL BE MUTCD R10-25 (9"x12")

ADA COMPLIANT PUSHBUTTON

TRAFFIC SIGNAL POST

FOUNDATION IN ACCORDANCE WITH POST MANUFACTURES RECOMMENDATIONS

REVISIONS	DATE
Revised Warning Sign Note	2/25/20


**LakeCounty**  
 Division of Transportation

APPROVED BY: MGZ  
 DATE: 04/24/13

**RECTANGULAR RAPID FLASHING BEACON (RRFB) SYSTEM**

LC8502

FILE NAME = 4370.120-DT1.dwg

USER NAME = DOMINIC OLESAK

DESIGNED - MGFC	REVISED -
DRAWN - PJS	REVISED -
CHECKED - MGFC	REVISED -
DATE - 2/11/2022	REVISED -

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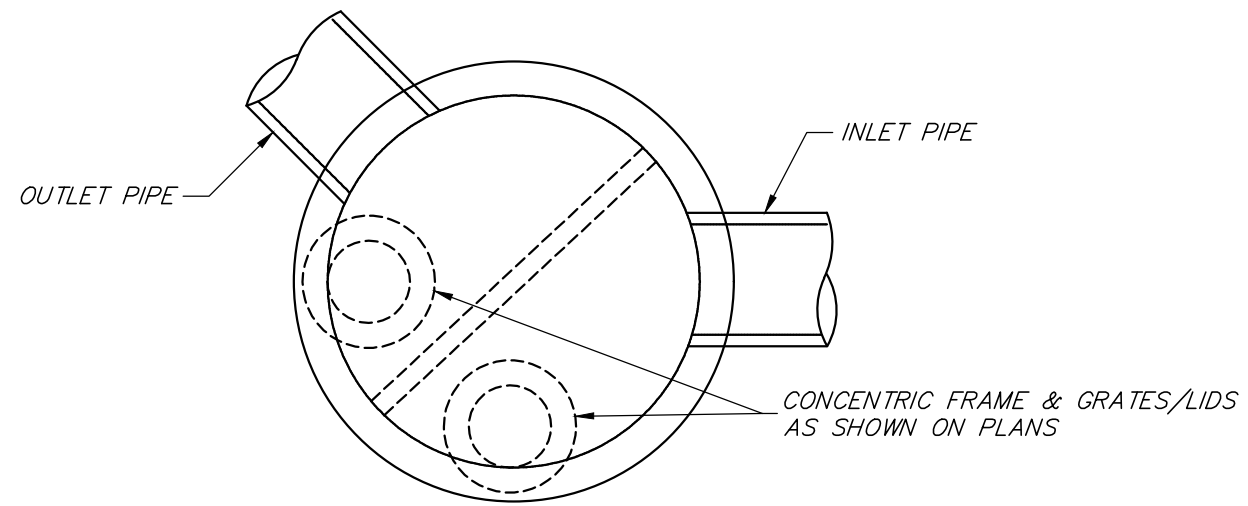
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**LCDOT DETAILS**  
**ITEP PEDESTRIAN PATH IMPROVEMENTS**

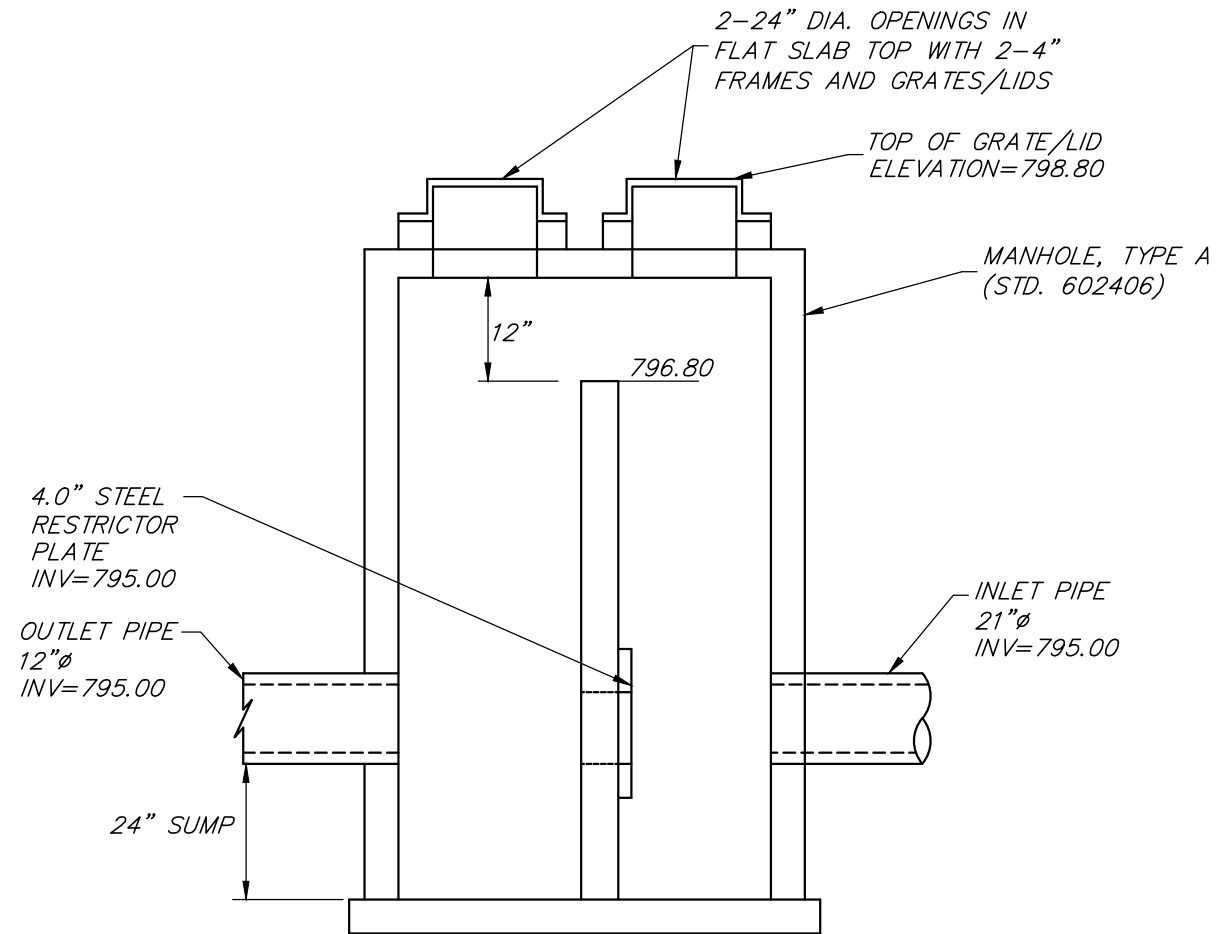
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FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	86
CONTRACT #			61H66	

ILLINOIS FED. AID PROJECT



PLAN



DRAINAGE CONTROL STRUCTURE ST #3

FILE NAME = 4370.120-DT1.dwg

USER NAME = DOMINIC OLESAK

DESIGNED - MGFC

REVISED -

DRAWN - PJS

REVISED -

PLOT SCALE = 1" = .1667'

CHECKED - MGFC

REVISED -

PLOT DATE = 2/14/2022 10:06 AM

DATE - 2/11/2022

REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GHA DETAIL  
ITEP PEDESTRIAN PATH IMPROVEMENTS

SCALE NONE

SHEET NO. 1 OF 1 SHEETS

STA.

TO STA.

FALL  
RTE.  
2549  
1270

SECTION

13-00091-00-BT

COUNTY

LAKE

TOTAL  
SHEETS

115

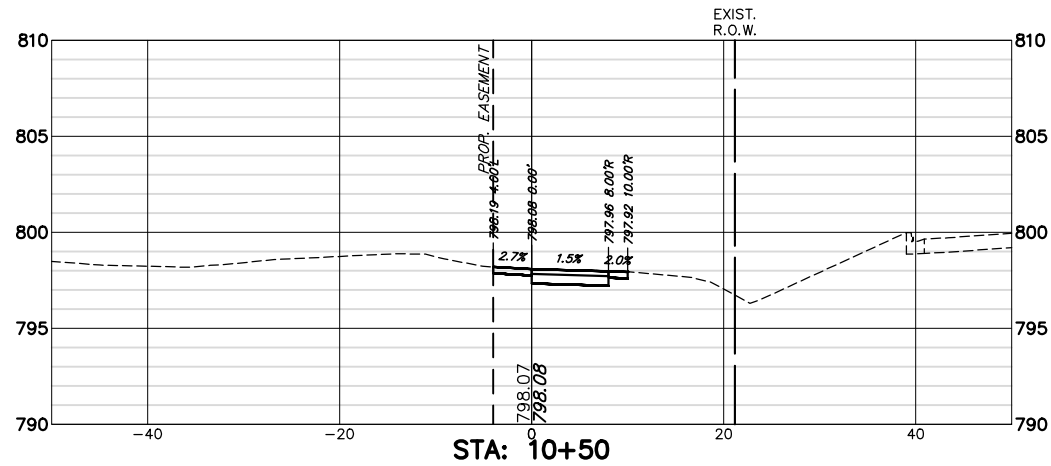
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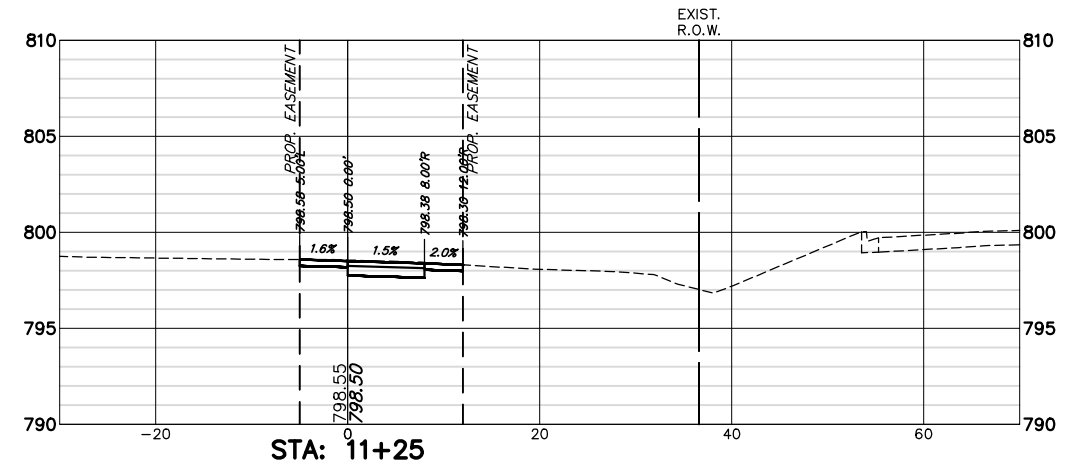
CONTRACT #

61H66

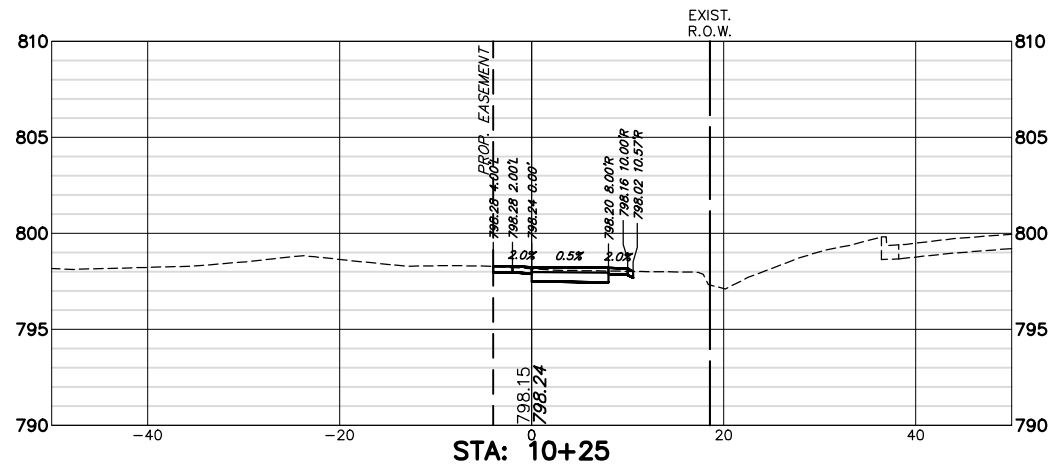
ILLINOIS FED. AID PROJECT



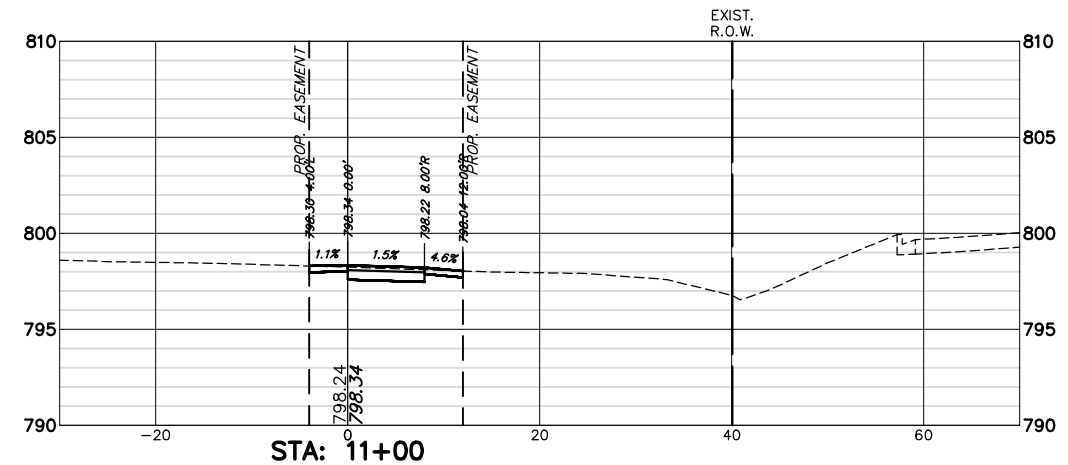
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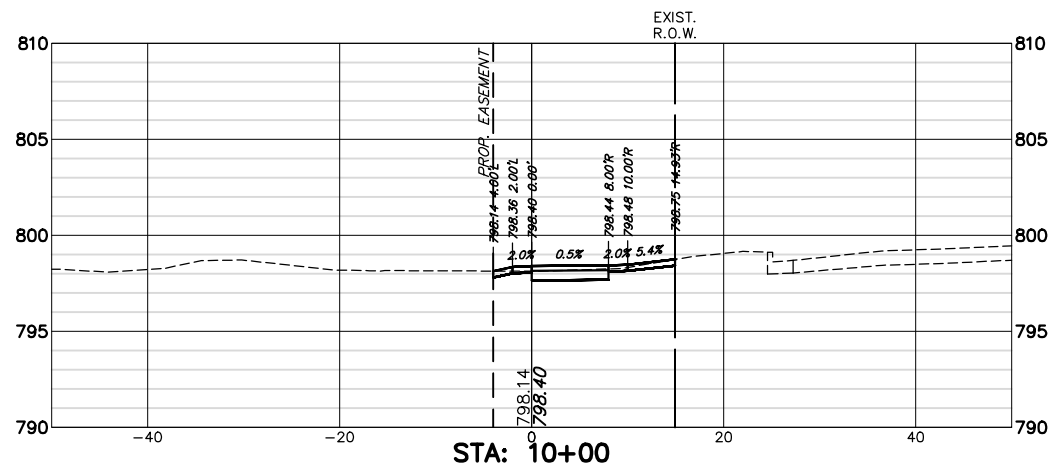
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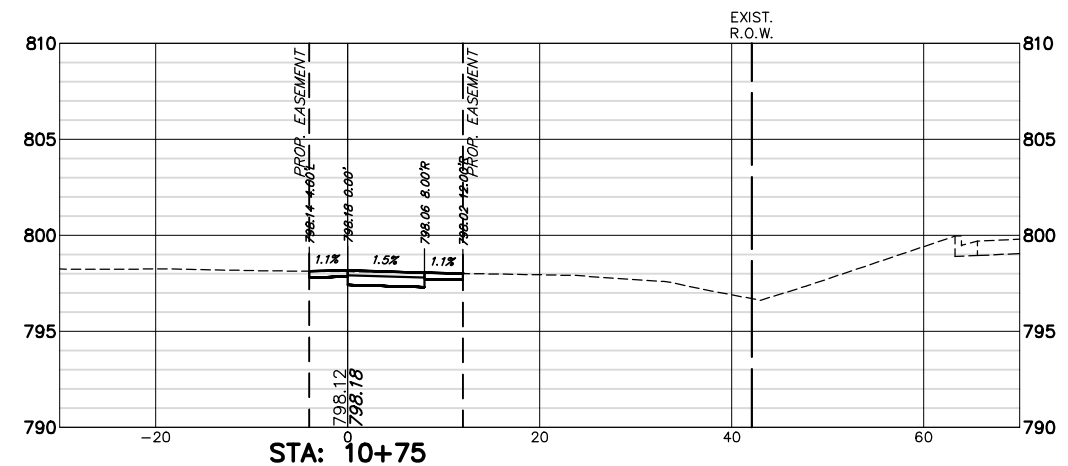
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FILE NAME = 4370.120-PR1.dwg

USER NAME = DOMINIC OLESAK

DESIGNED - MGFC

REVISED -

PLOT SCALE = 1" = .1667'

DRAWN - PJS

REVISED -

PLOT DATE = 2/14/2022 10:07 AM

CHECKED - MGFC

REVISED -

DATE - 2/11/2022

REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

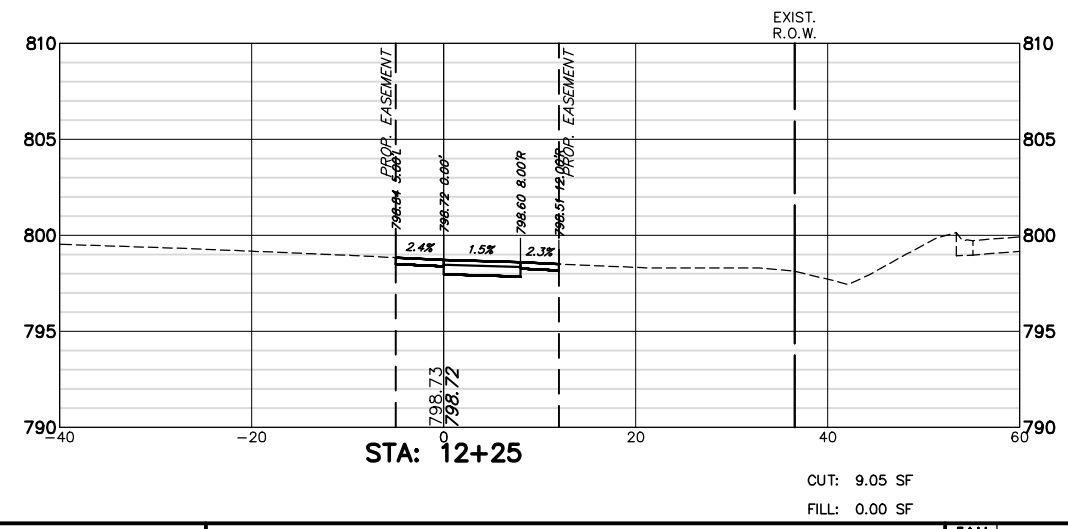
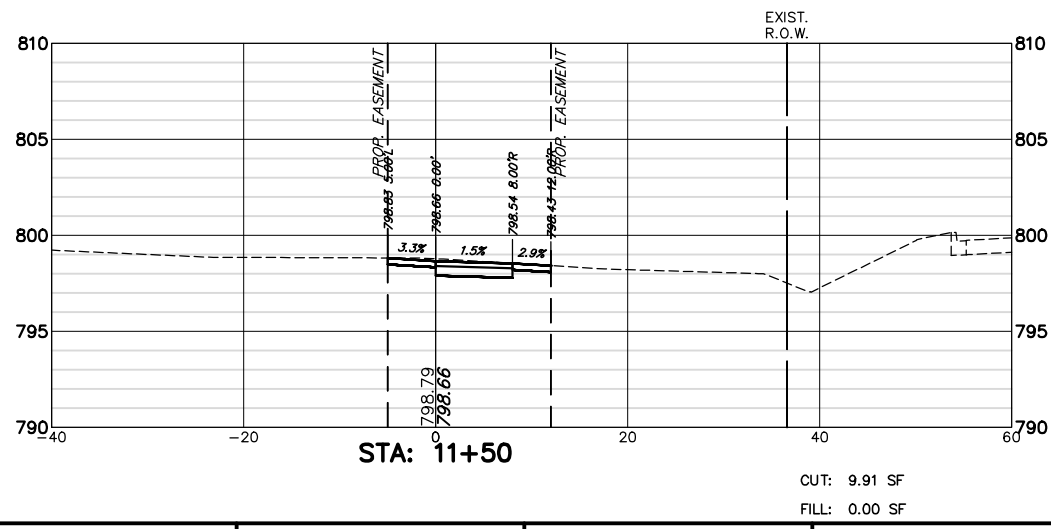
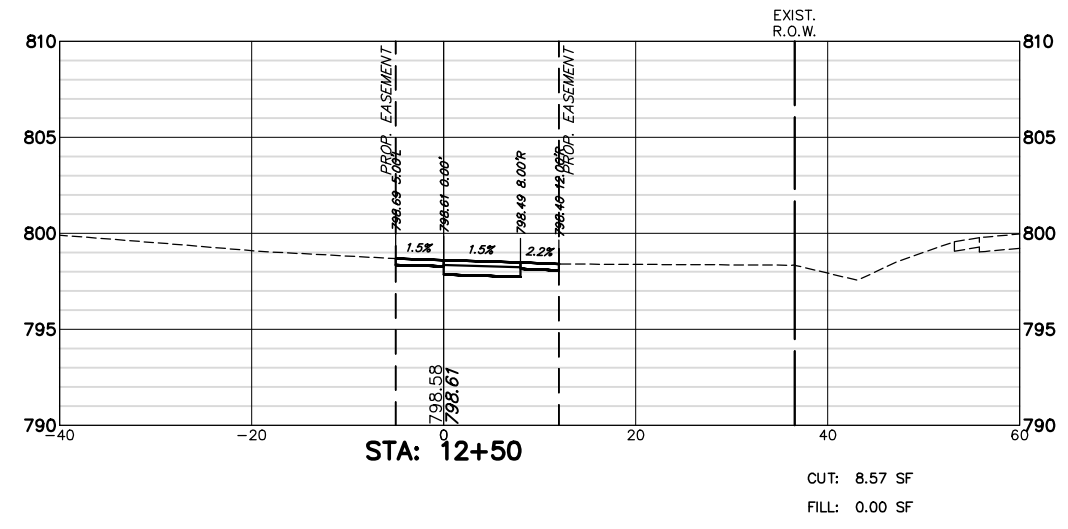
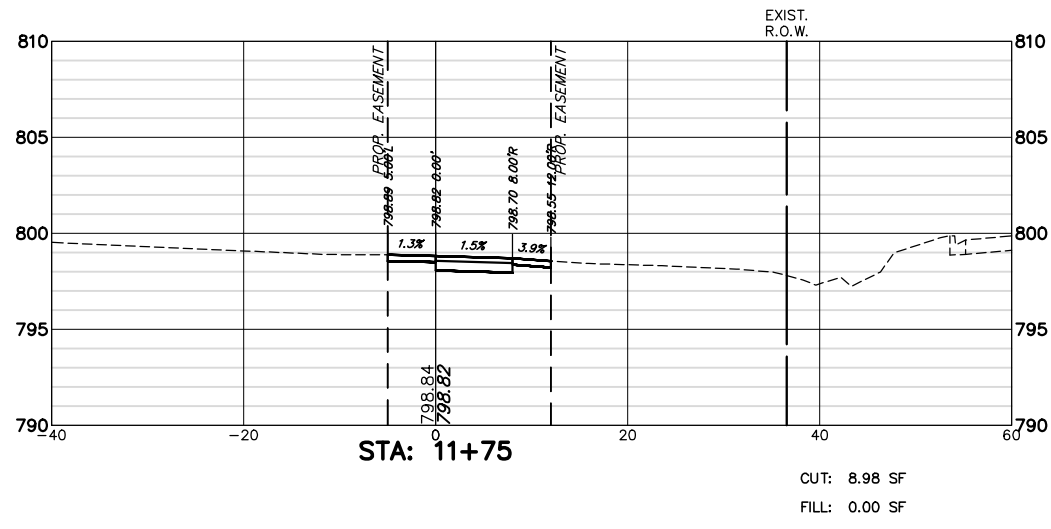
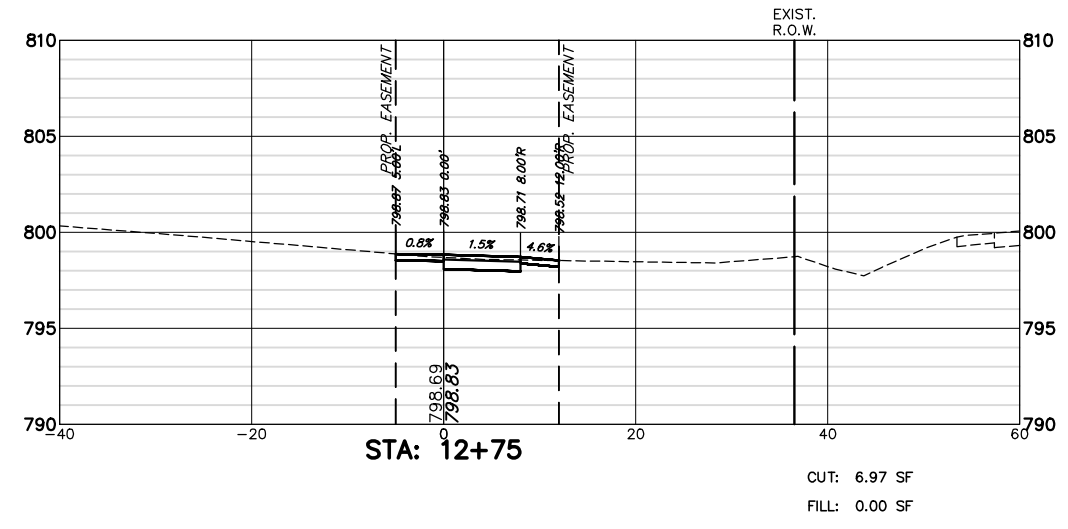
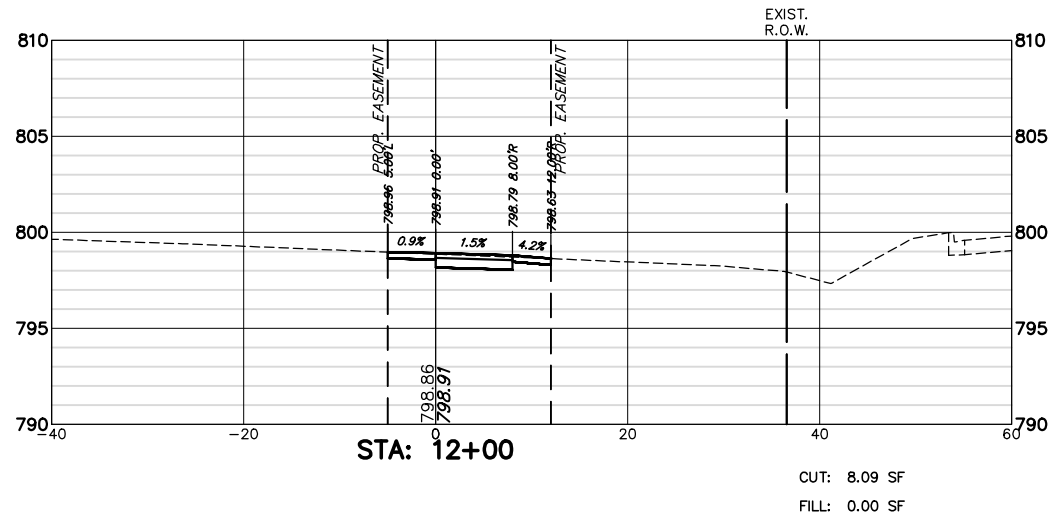
LAKE COOK ROAD PATH CROSS SECTIONS  
 ITEP PEDESTRIAN PATH IMPROVEMENTS

SCALE AS NOTED SHEET NO. 1 OF 28 SHEETS STA. 10+00 TO STA. 11+25

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	88
CONTRACT #			61H66	

ILLINOIS FED. AID PROJECT





FILE NAME = 4370.120-PR1.dwg  
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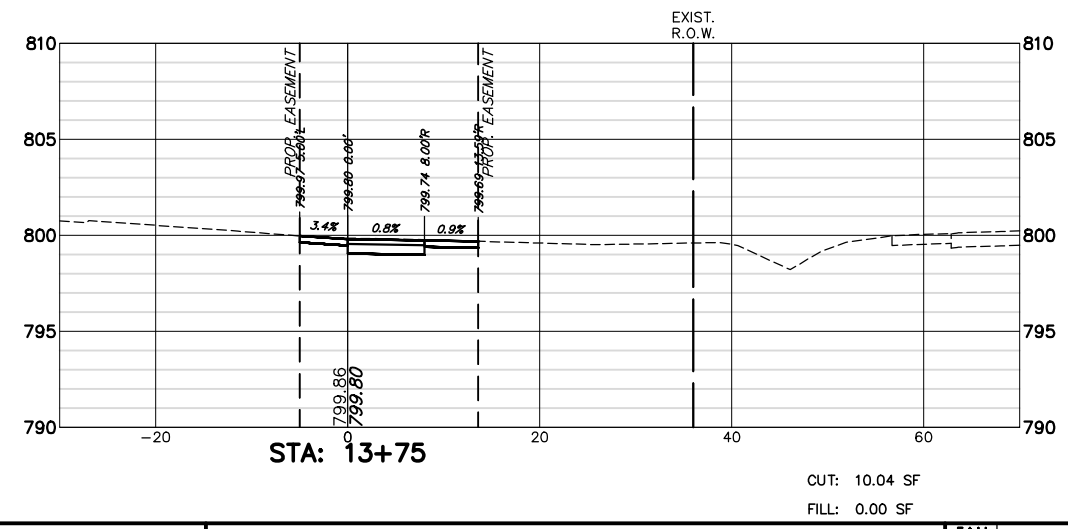
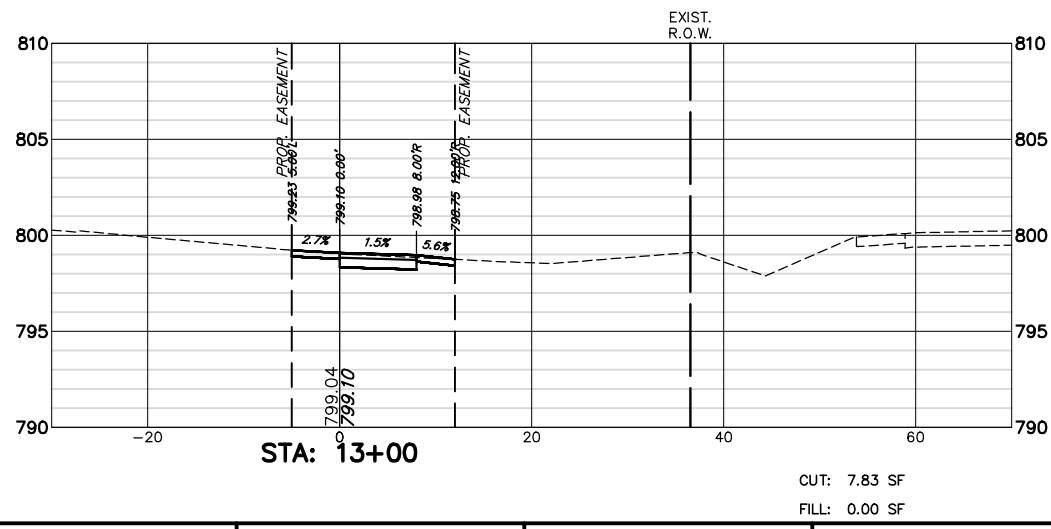
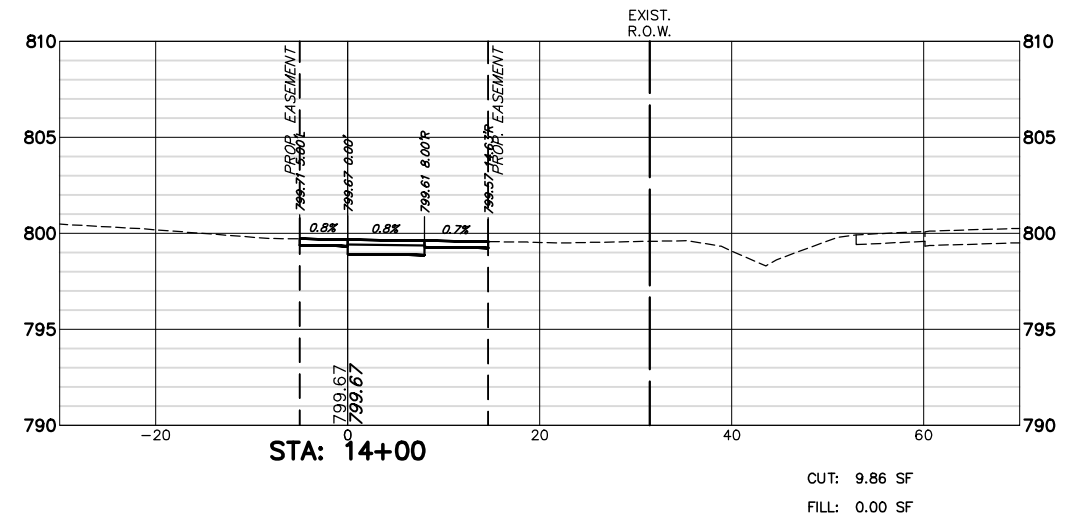
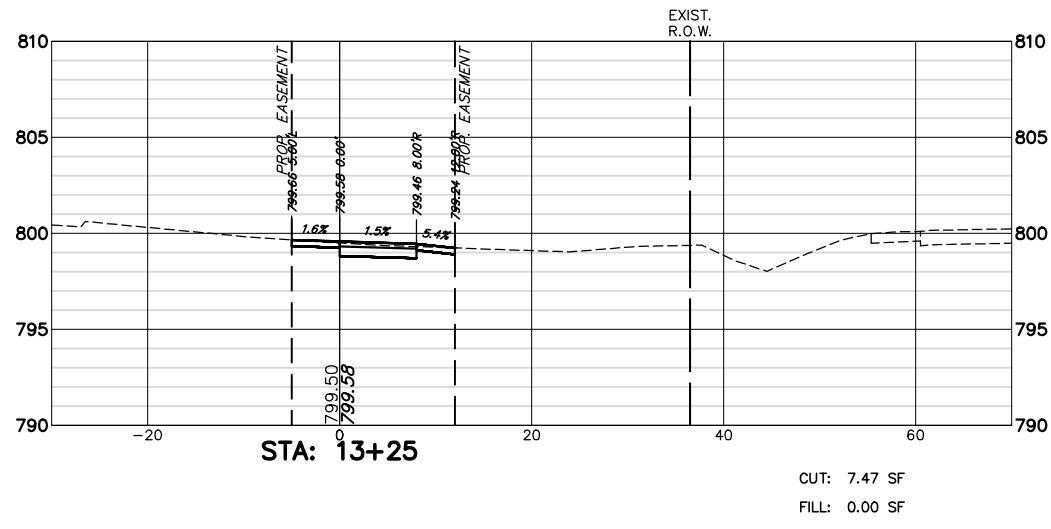
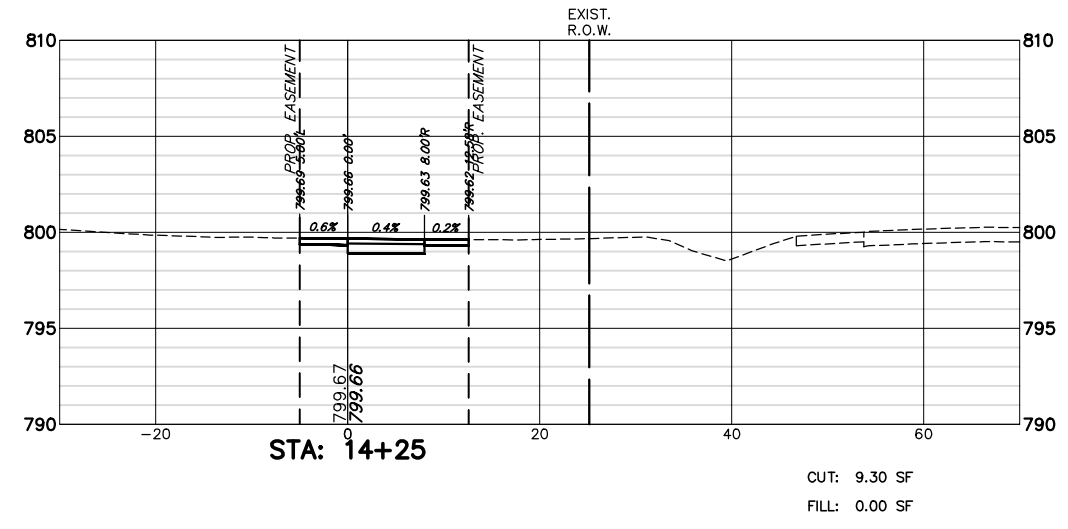
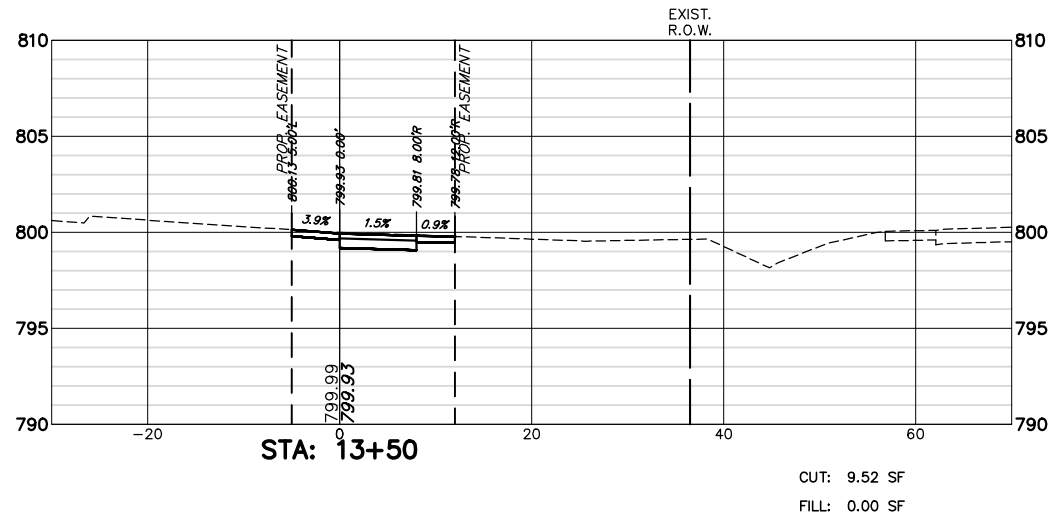
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DATE - 2/11/2022	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**LAKE COOK ROAD PATH CROSS SECTIONS  
 ITEP PEDESTRIAN PATH IMPROVEMENTS**

SCALE AS NOTED | SHEET NO. 2 OF 28 SHEETS | STA. 11+50 TO STA. 12+75

FAU RTE 2549 1270	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 89
CONTRACT #			61H66	
ILLINOIS FED. AID PROJECT				



FILE NAME = 4370.120-PR1.dwg  
 USER NAME = DOMINIC OLESAK  
 PLOT SCALE = 1" = .1667'  
 PLOT DATE = 2/14/2022 10:07 AM

DESIGNED - MGFC  
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 CHECKED - MGFC  
 DATE - 2/11/2022

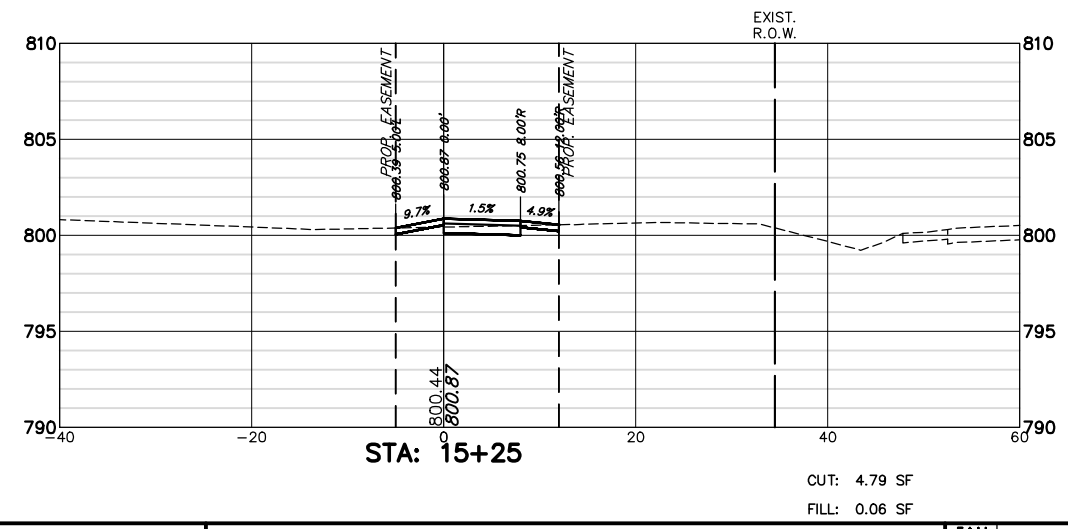
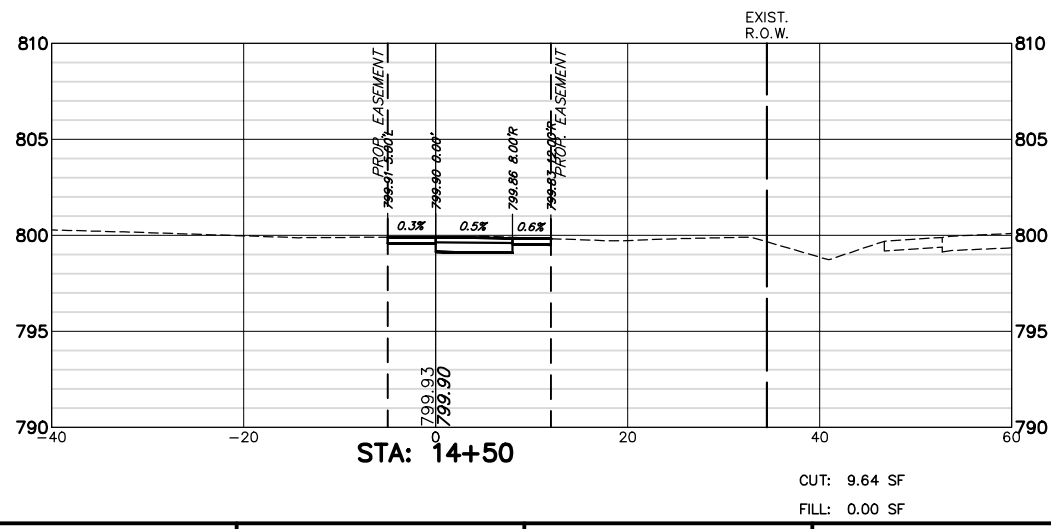
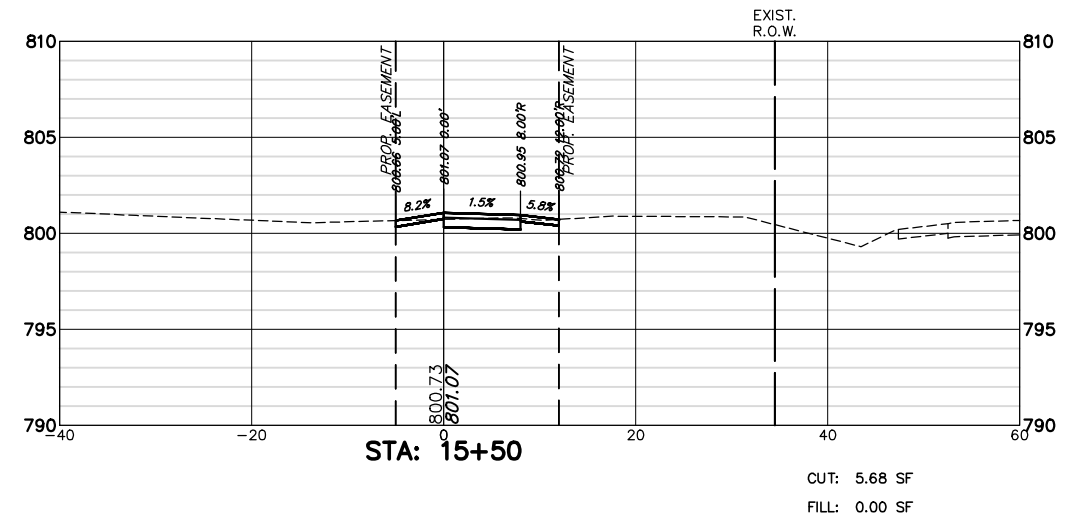
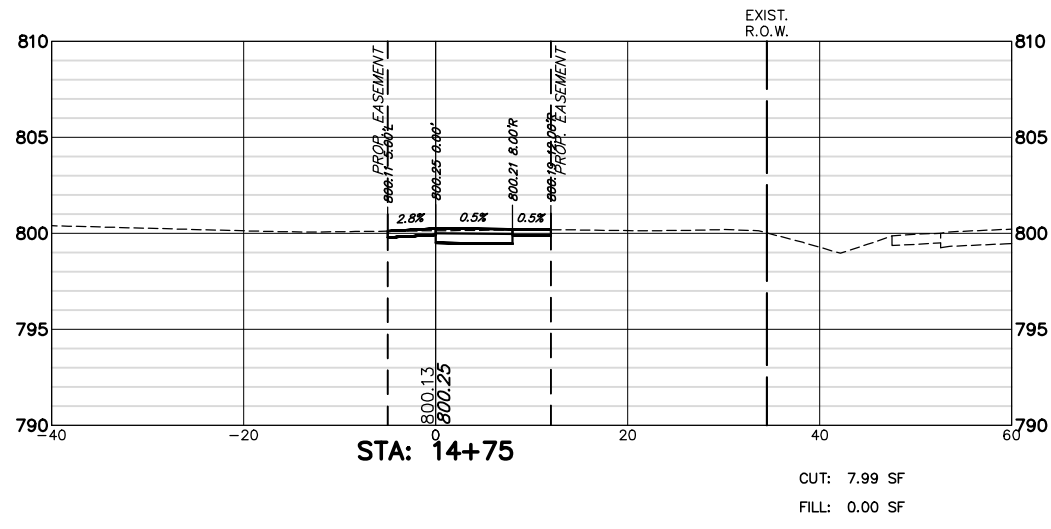
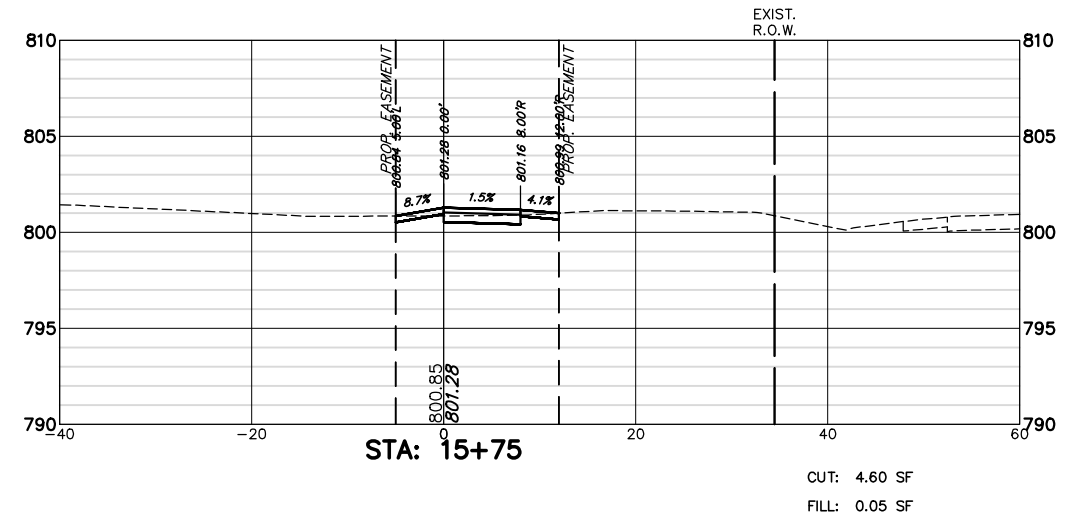
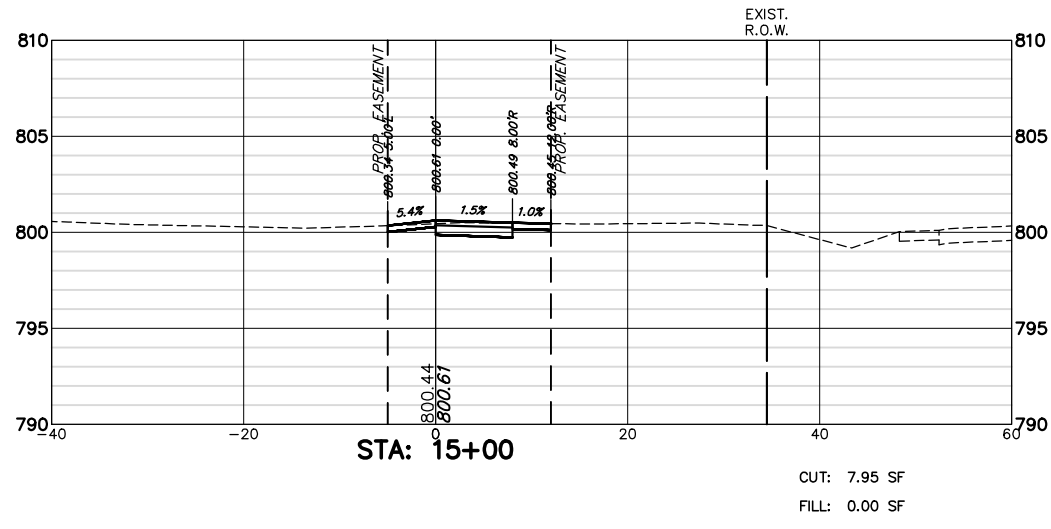
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**LAKE COOK ROAD PATH CROSS SECTIONS  
 ITEP PEDESTRIAN PATH IMPROVEMENTS**

SCALE AS NOTED | SHEET NO. 3 OF 28 SHEETS | STA. 13+00 TO STA. 14+25

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	90
CONTRACT #			61H66	
ILLINOIS FED. AID PROJECT				



FILE NAME = 4370.120-PR1.dwg

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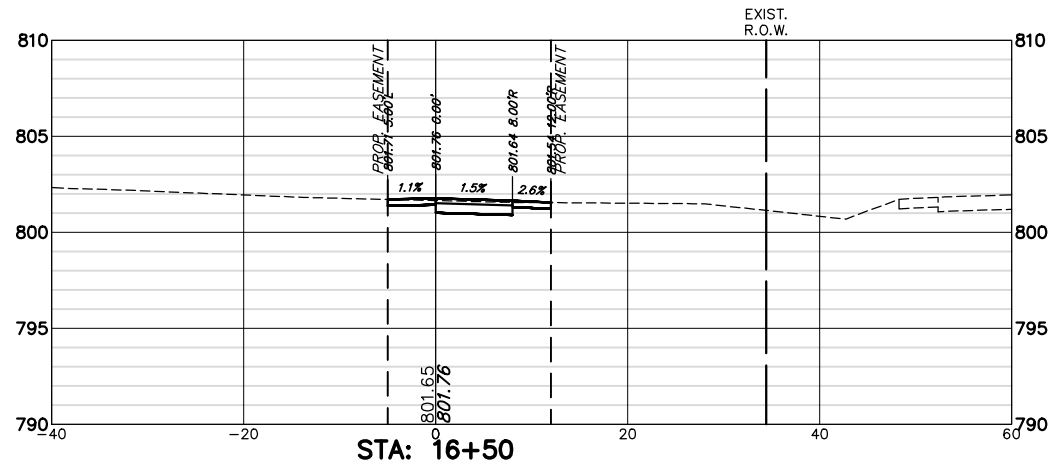
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

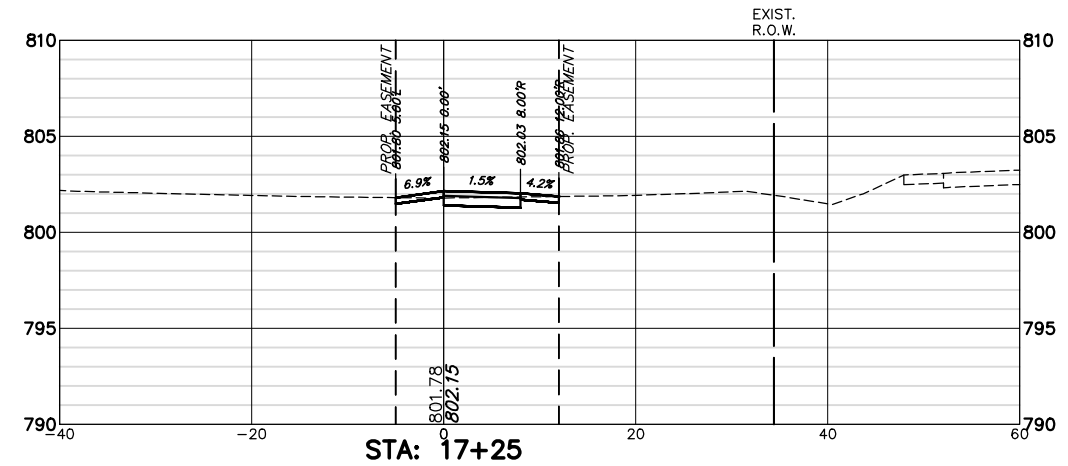
LAKE COOK ROAD PATH CROSS SECTIONS  
 ITEP PEDESTRIAN PATH IMPROVEMENTS

SCALE AS NOTED SHEET NO. 4 OF 28 SHEETS STA. 14+50 TO STA. 15+75

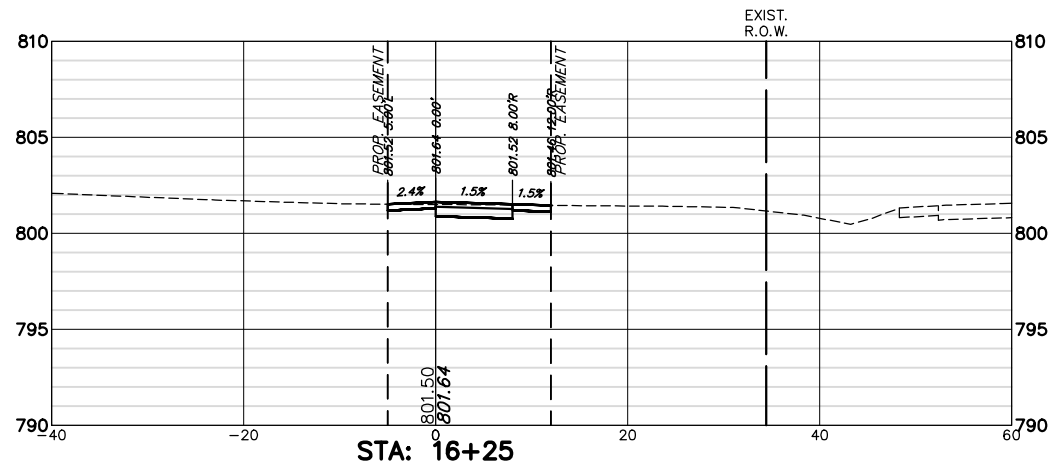
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CONTRACT #			61H66	
ILLINOIS FED. AID PROJECT				



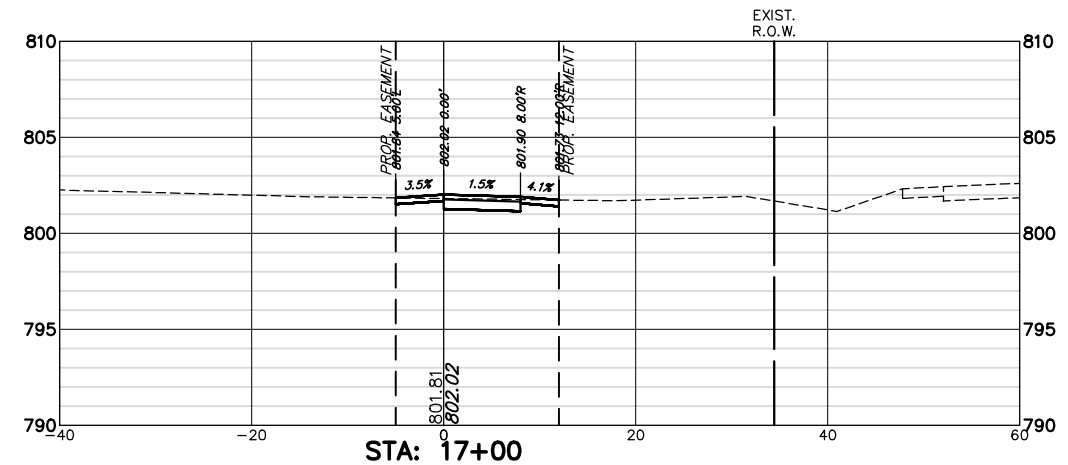
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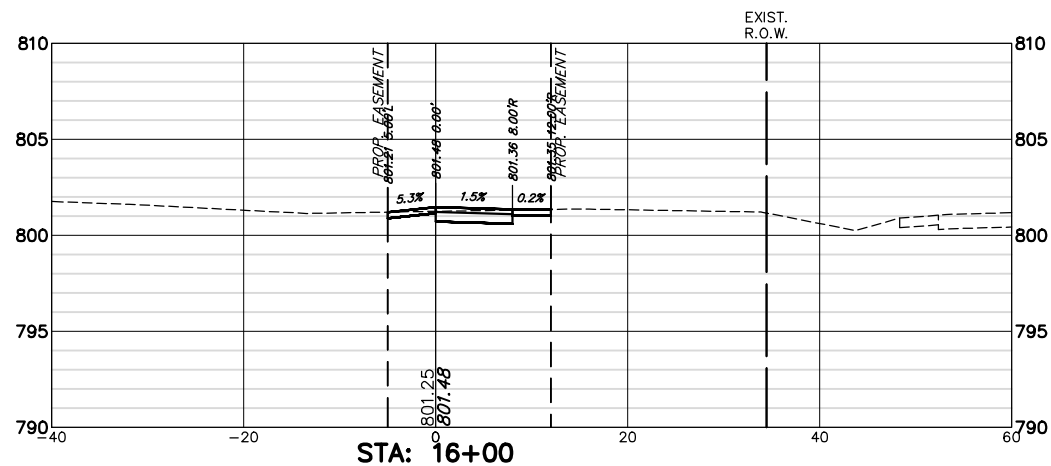
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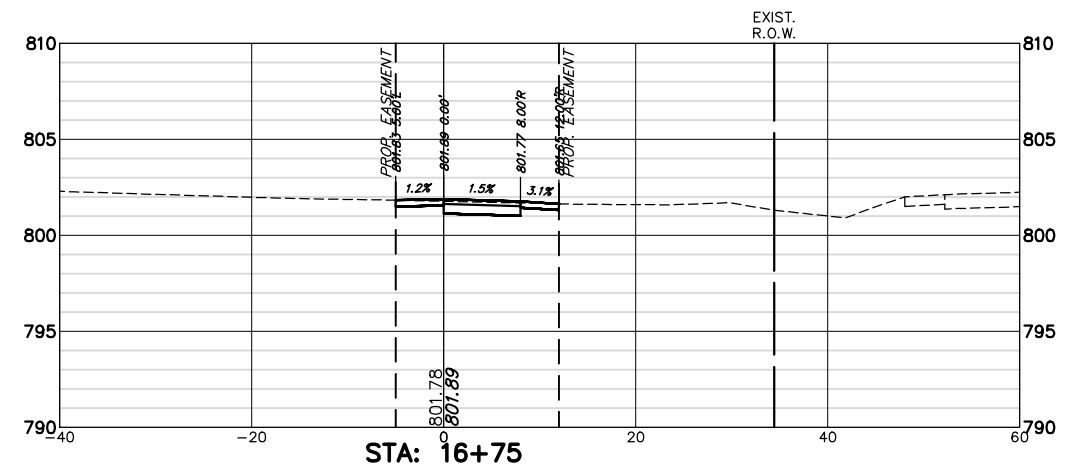
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FILE NAME = 4370.120-PR1.dwg

USER NAME = DOMINIC OLESAK

PLOT SCALE = 1" = .1667'

PLOT DATE = 2/14/2022 10:07 AM

DESIGNED - MGFC  
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 CHECKED - MGFC  
 DATE - 2/11/2022

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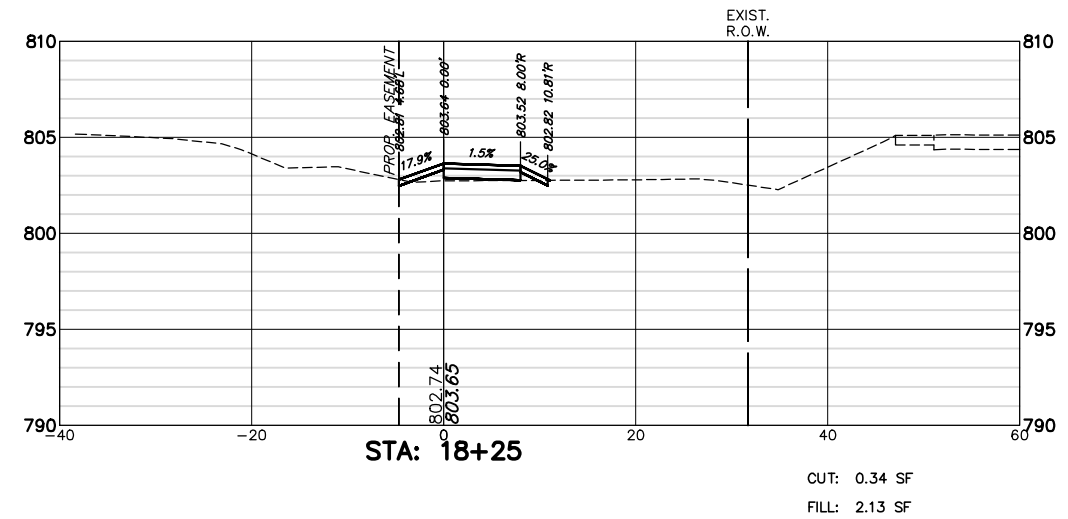
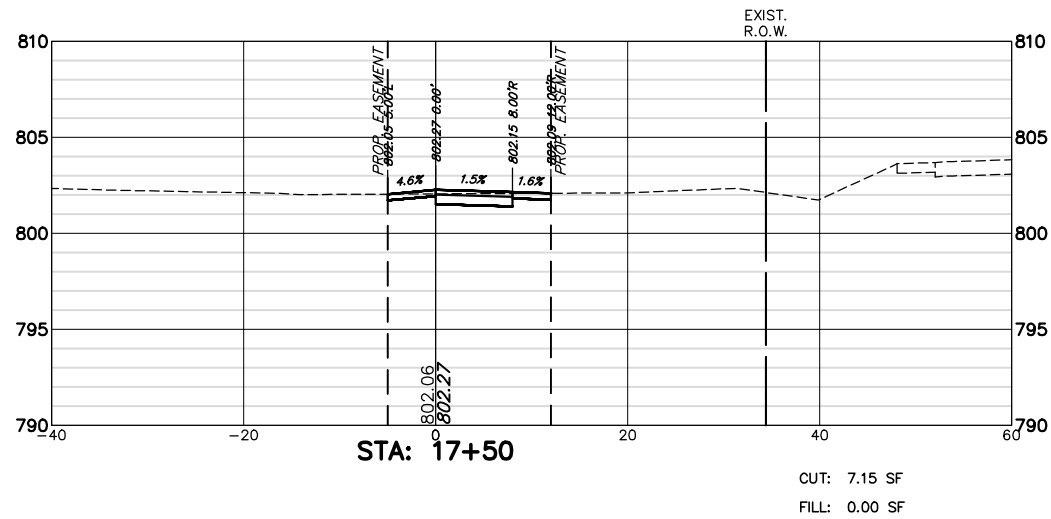
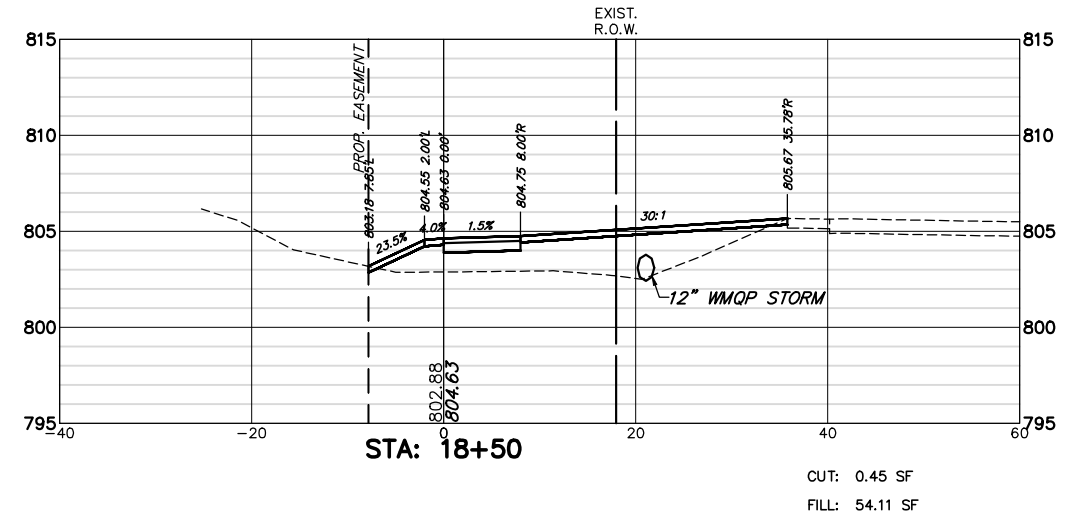
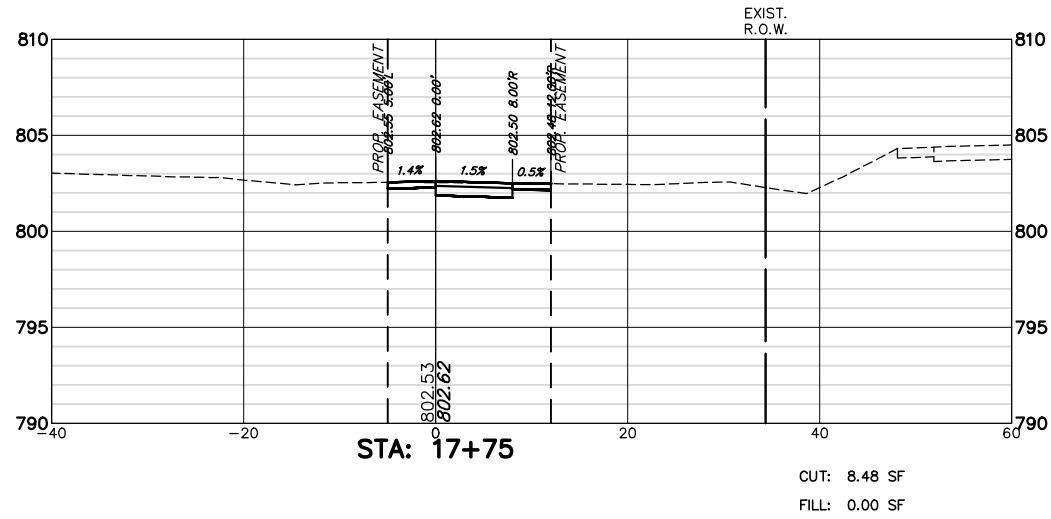
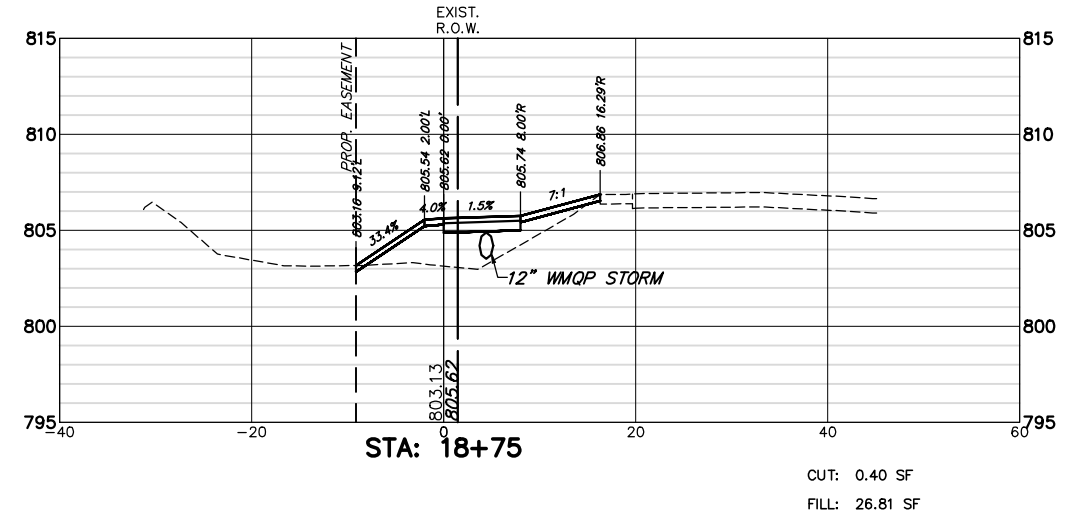
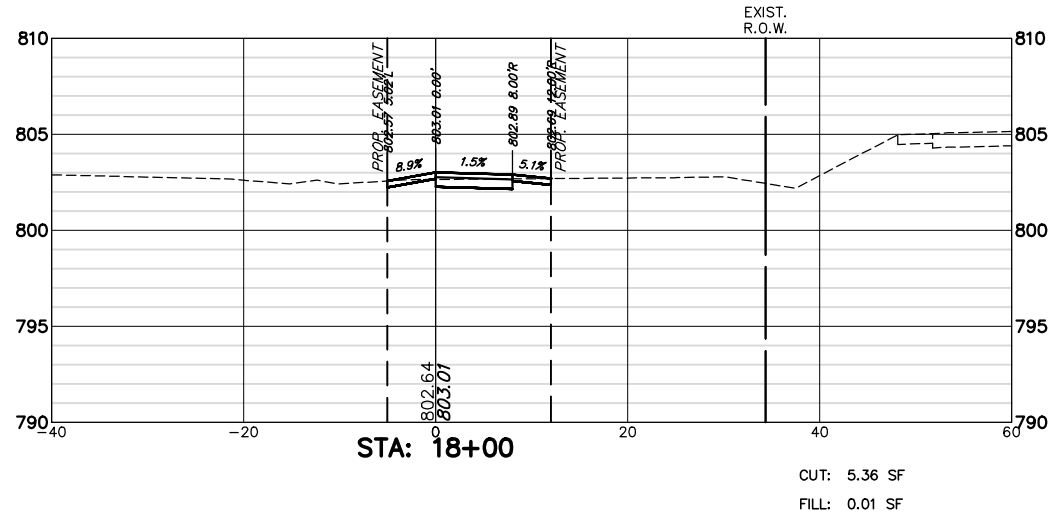
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

LAKE COOK ROAD PATH CROSS SECTIONS  
 ITEP PEDESTRIAN PATH IMPROVEMENTS

SCALE AS NOTED SHEET NO. 5 OF 28 SHEETS STA. 16+00 TO STA. 17+25

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	92
CONTRACT #			61H66	

ILLINOIS FED. AID PROJECT



FILE NAME = 4370.120-PR1.dwg

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 DATE - 2/11/2022

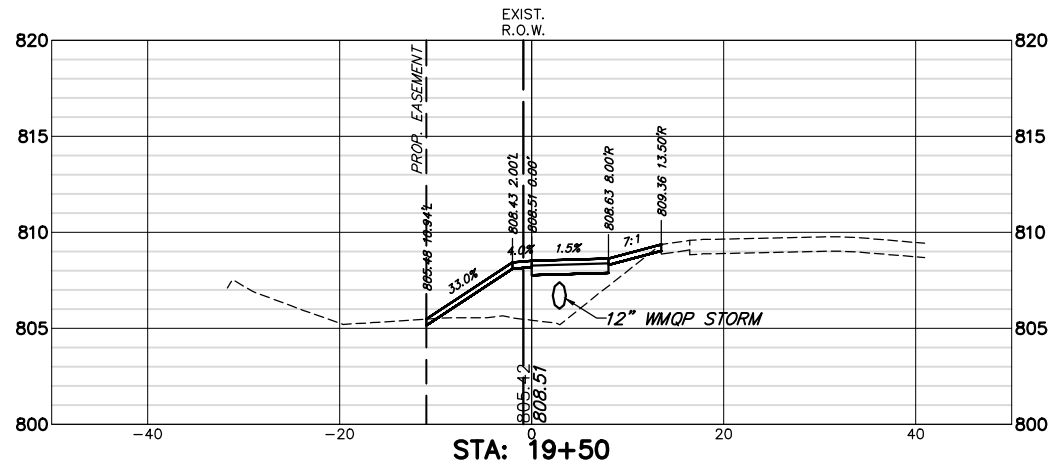
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 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

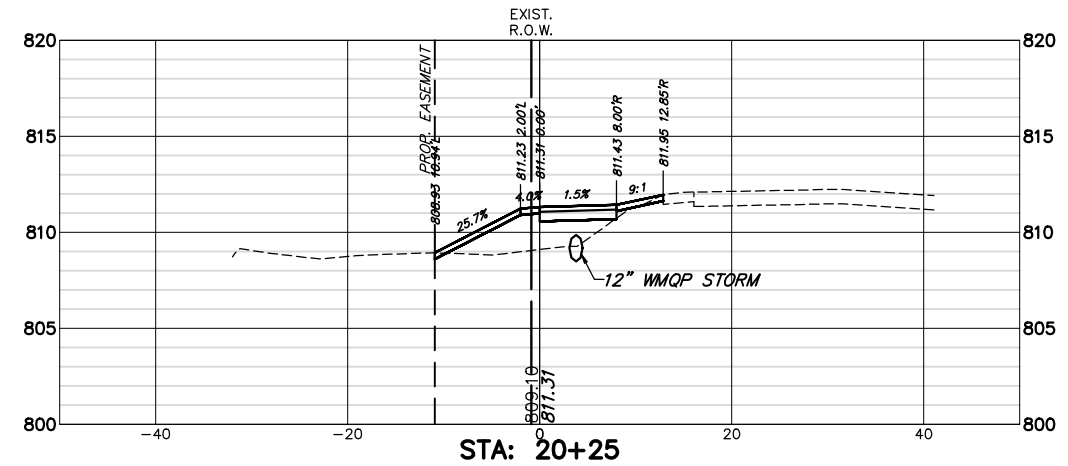
LAKE COOK ROAD PATH CROSS SECTIONS  
 ITEP PEDESTRIAN PATH IMPROVEMENTS

SCALE AS NOTED SHEET NO. 6 OF 28 SHEETS STA. 17+50 TO STA. 18+75

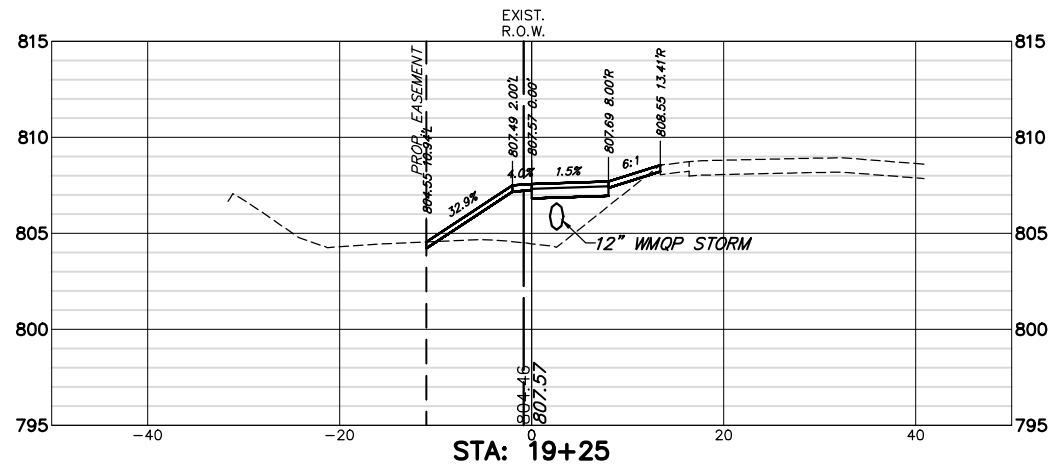
FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	93
CONTRACT #			61H66	
ILLINOIS FED. AID PROJECT				



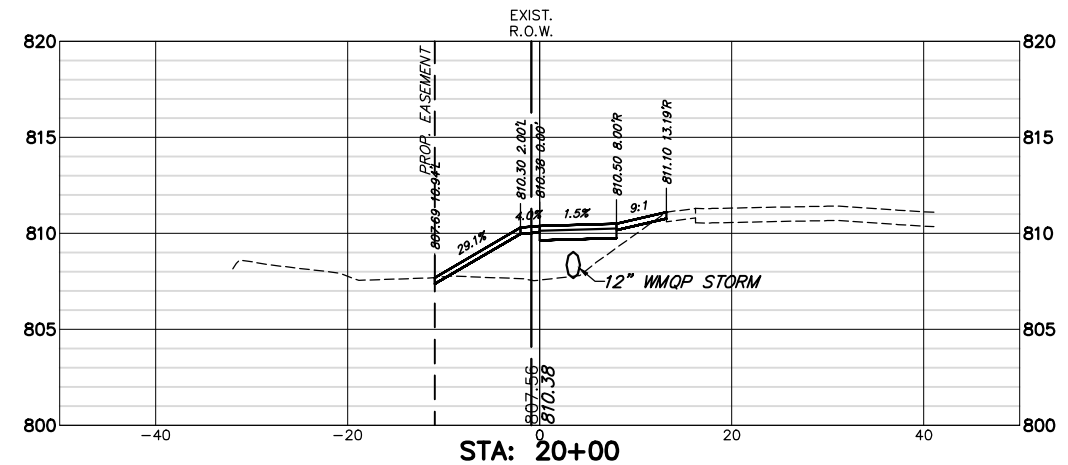
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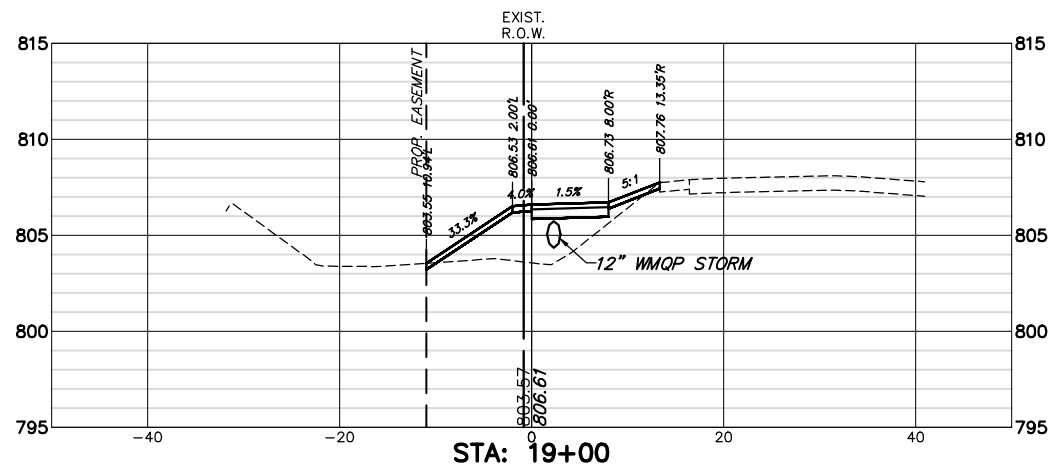
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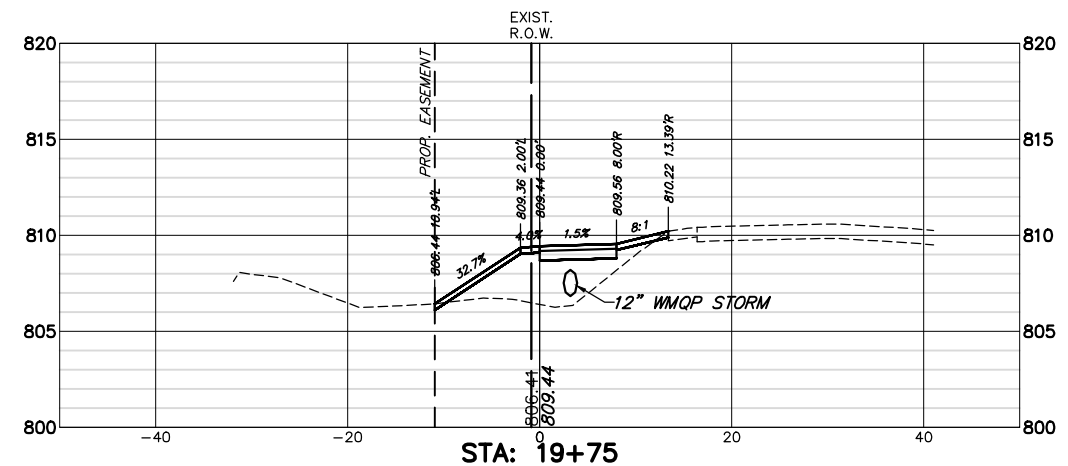
CUT: 0.41 SF  
 FILL: 31.83 SF



CUT: 0.45 SF  
 FILL: 28.15 SF



CUT: 0.45 SF  
 FILL: 29.41 SF



CUT: 0.44 SF  
 FILL: 30.86 SF

FILE NAME = 4370.120-PR1.dwg

USER NAME = DOMINIC OLESAK

DESIGNED - MGFC  
 DRAWN - PJS  
 CHECKED - MGFC  
 DATE - 2/11/2022

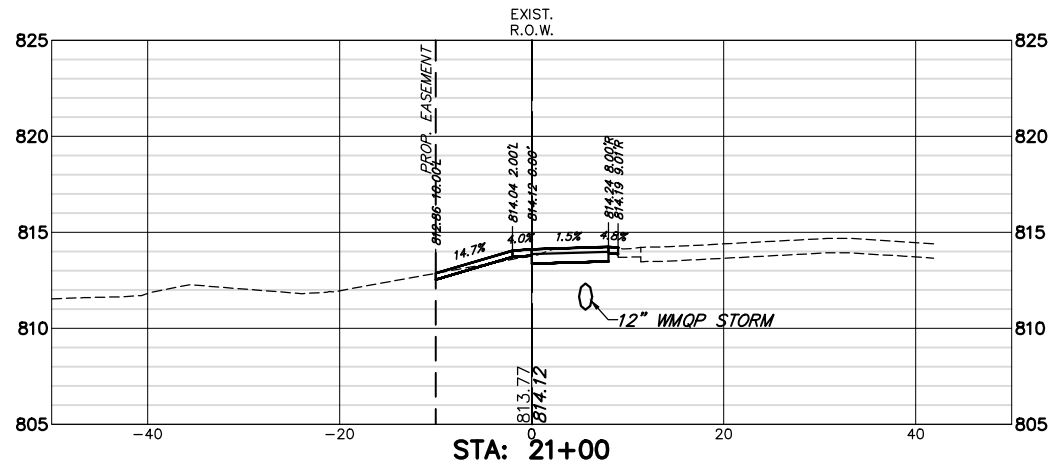
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 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

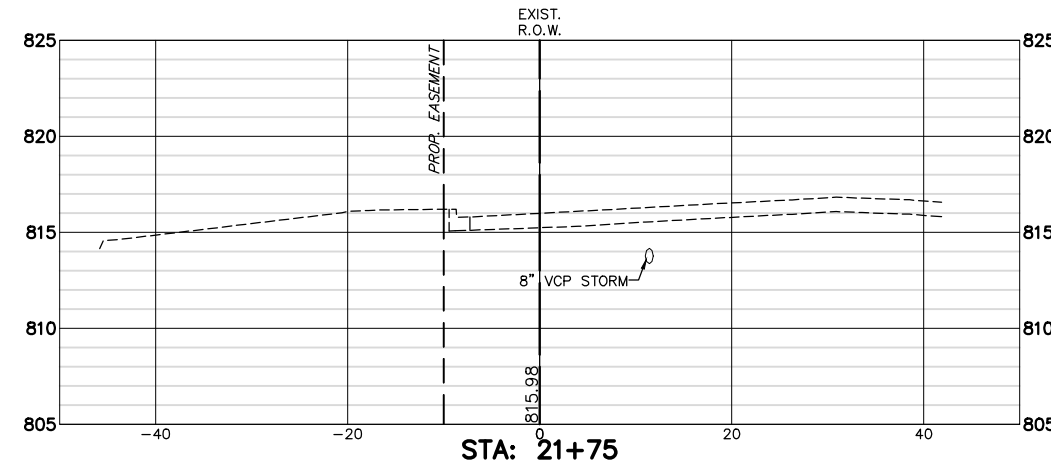
LAKE COOK ROAD PATH CROSS SECTIONS  
 ITEP PEDESTRIAN PATH IMPROVEMENTS

SCALE AS NOTED | SHEET NO. 7 OF 28 SHEETS | STA. 19+00 TO STA. 20+25

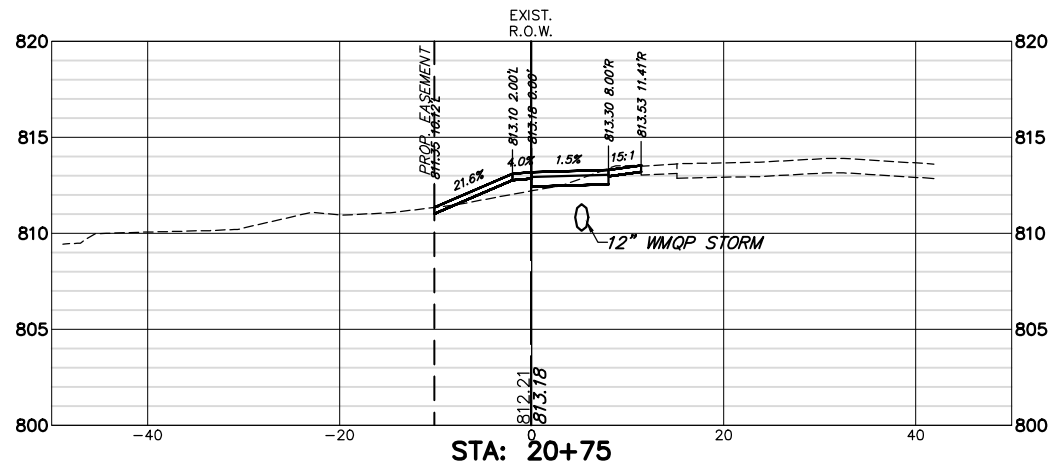
FALL RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	94
CONTRACT #			61H66	
ILLINOIS FED. AID PROJECT				



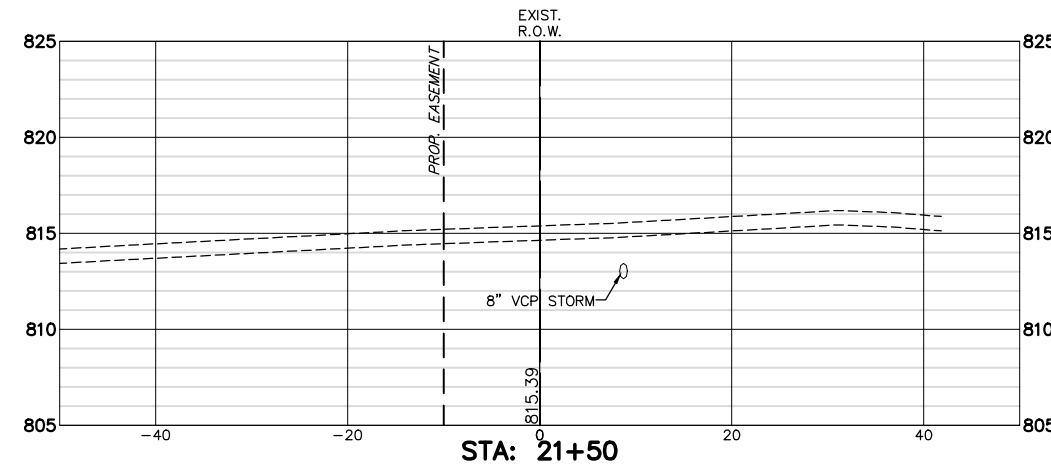
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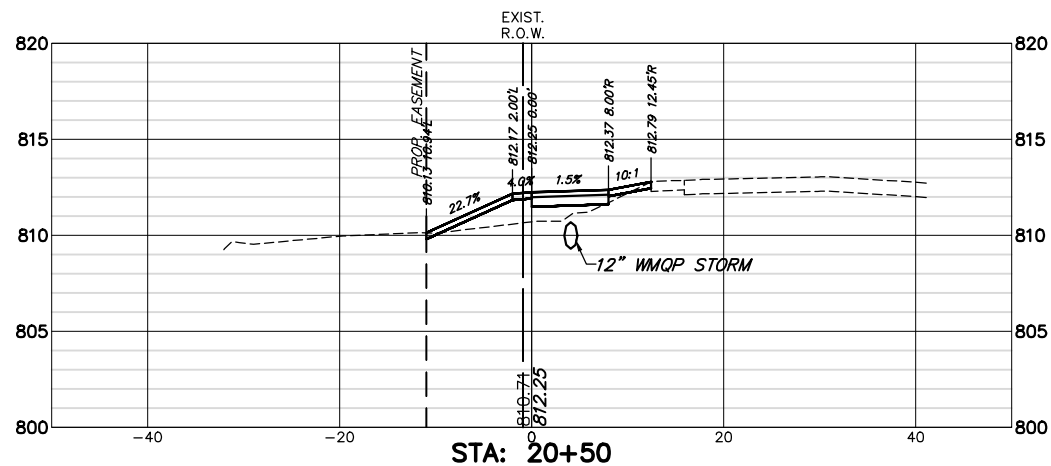
CUT: 0.00 SF  
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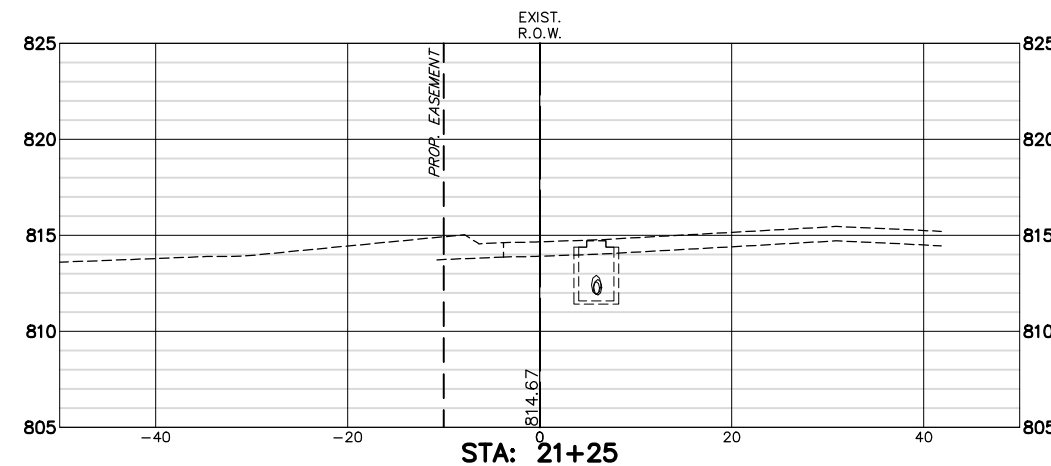
CUT: 3.80 SF  
 FILL: 3.95 SF



CUT: 0.00 SF  
 FILL: 0.00 SF



CUT: 0.62 SF  
 FILL: 11.58 SF



CUT: 0.00 SF  
 FILL: 0.00 SF

FILE NAME = 4370.120-PR1.dwg

USER NAME = DOMINIC OLESAK

DESIGNED - MGFC

REVISED -

PLOT SCALE = 1" = .1667'

DRAWN - PJS

REVISED -

PLOT DATE = 2/14/2022 10:08 AM

CHECKED - MGFC

REVISED -

DATE - 2/11/2022

REVISED -

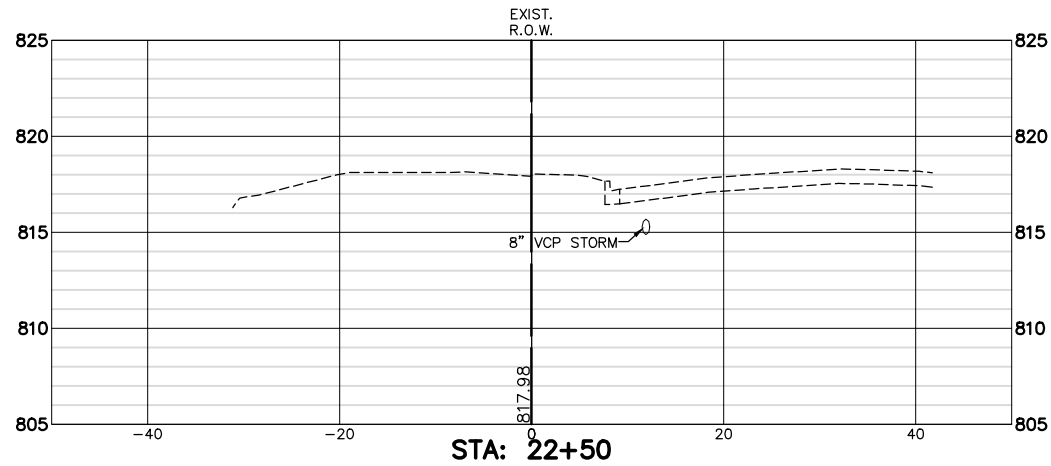
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

LAKE COOK ROAD PATH CROSS SECTIONS  
 ITEP PEDESTRIAN PATH IMPROVEMENTS

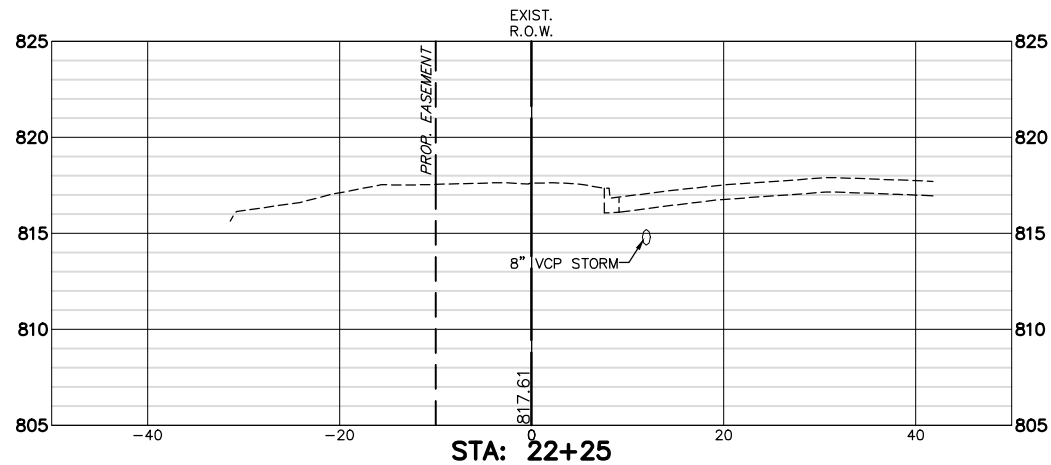
SCALE AS NOTED SHEET NO. 8 OF 28 SHEETS STA. 20+50 TO STA. 21+75

FALL RTE 2549 1270	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 95
CONTRACT #			61H66	

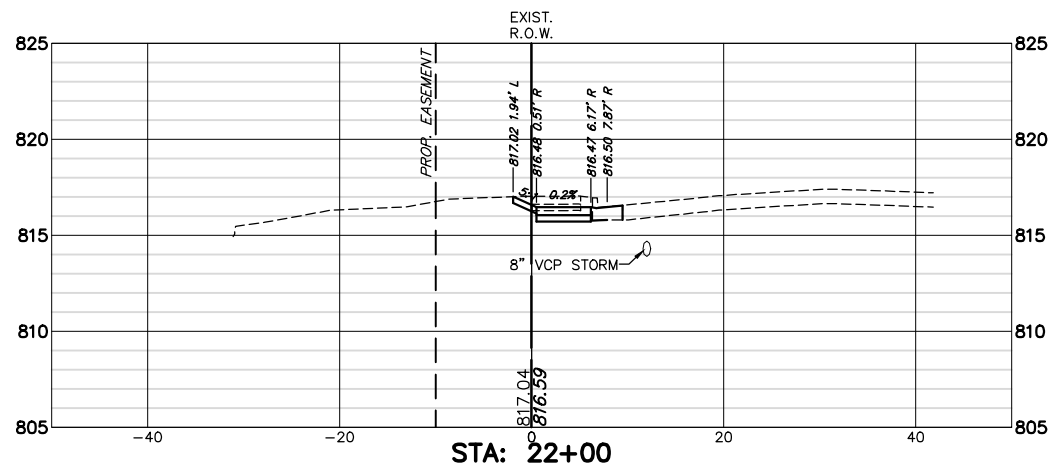
ILLINOIS FED. AID PROJECT



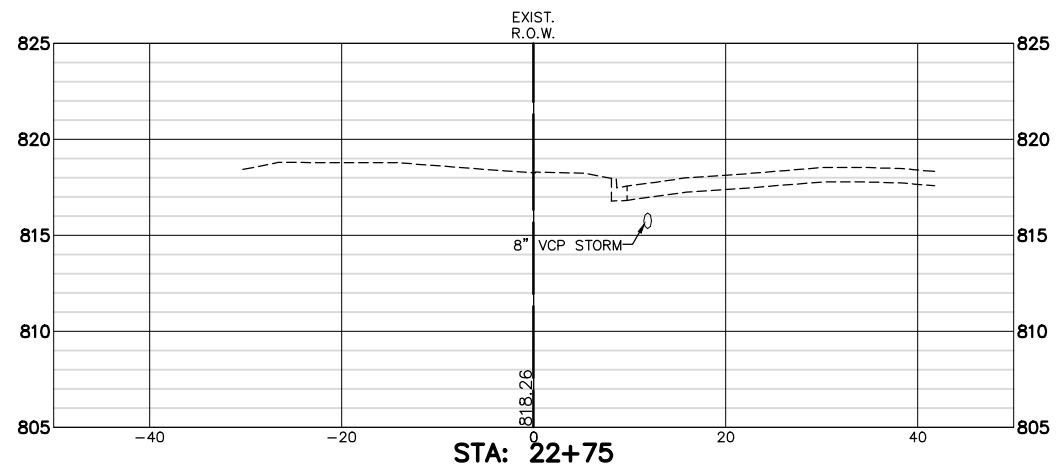
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CUT: 0.00 SF  
 FILL: 0.00 SF



CUT: 7.03 SF  
 FILL: 0.00 SF



CUT: 0.00 SF  
 FILL: 0.00 SF

FILE NAME = 4370.120-PR1.dwg

USER NAME = DOMINIC OLESAK

DESIGNED - MGFC

REVISED -

PLOT SCALE = 1" = .1667'

DRAWN - PJS

REVISED -

PLOT DATE = 2/14/2022 10:08 AM

CHECKED - MGFC

REVISED -

DATE - 2/11/2022

REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

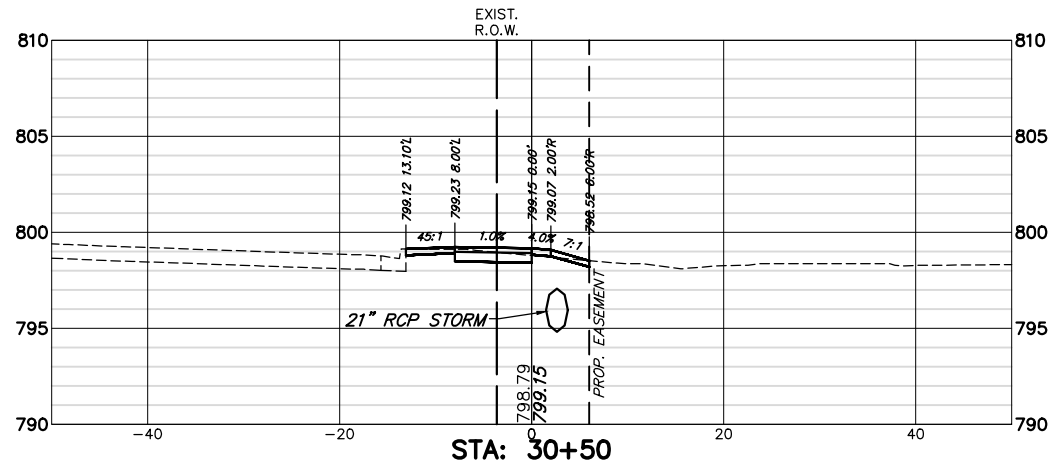
LAKE COOK ROAD PATH CROSS SECTIONS  
 ITEP PEDESTRIAN PATH IMPROVEMENTS

SCALE AS NOTED SHEET NO. 9 OF 28 SHEETS STA. 22+00 TO STA. 22+75

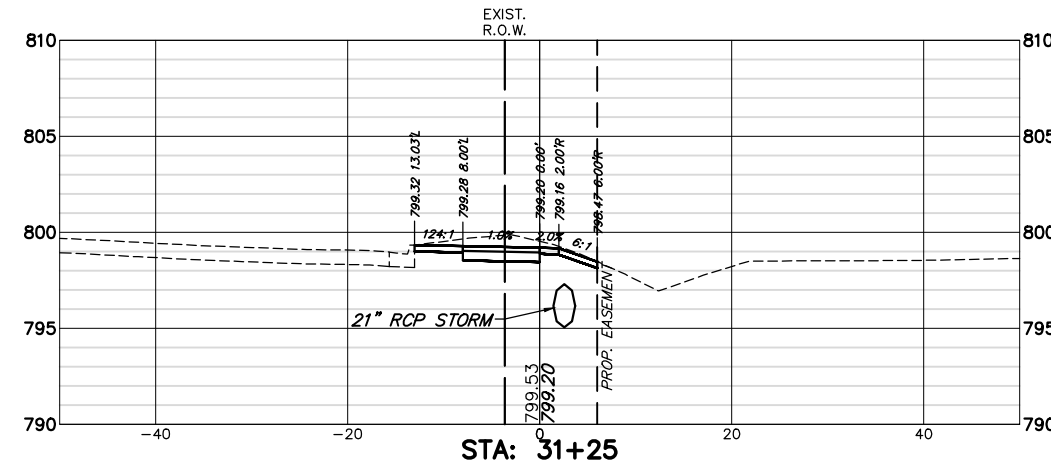
FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	96
CONTRACT #			61H66	

ILLINOIS FED. AID PROJECT

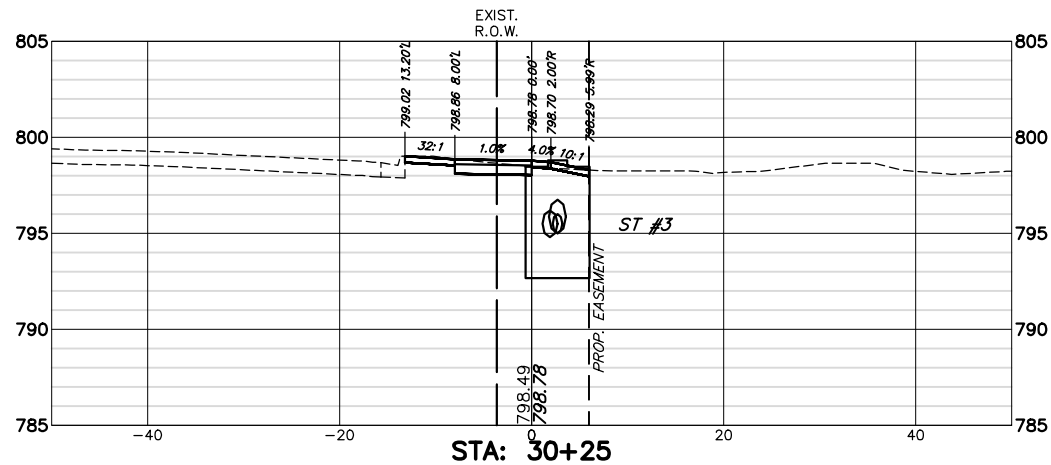




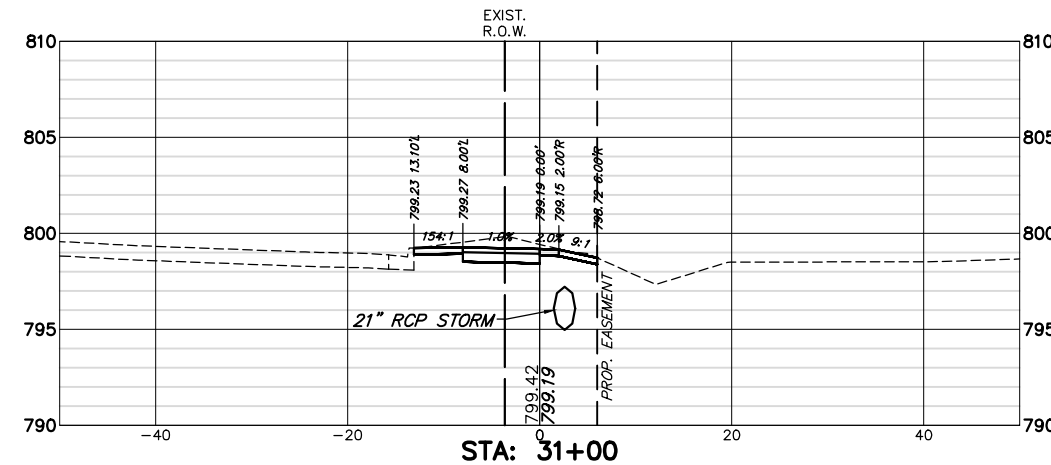
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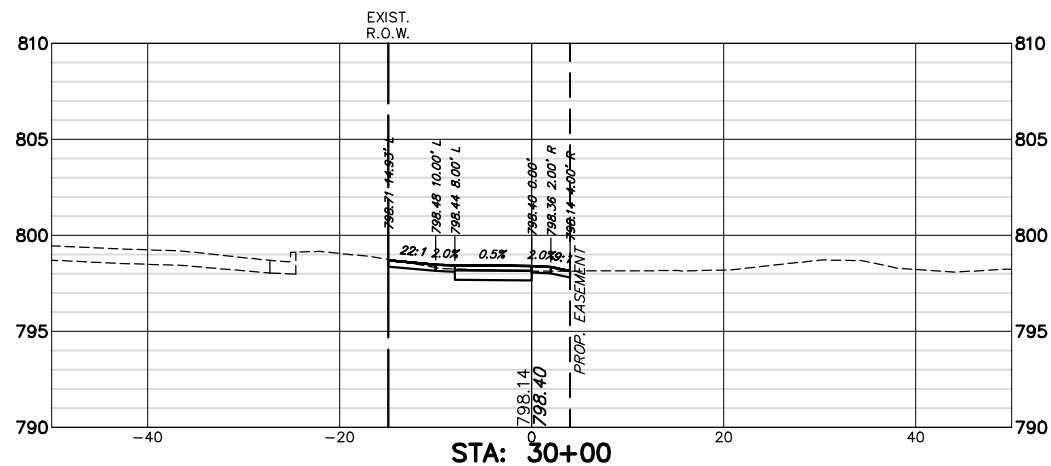
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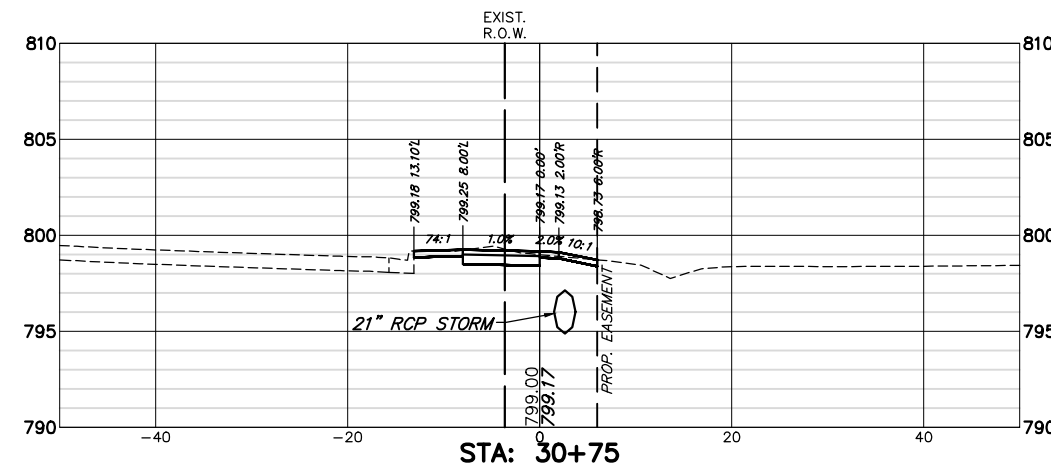
CUT: 7.62 SF  
 FILL: 0.00 SF



CUT: 14.33 SF  
 FILL: 0.00 SF



CUT: 6.47 SF  
 FILL: 0.00 SF



CUT: 8.88 SF  
 FILL: 0.00 SF

FILE NAME = 4370.120-PR1.dwg  
 USER NAME = DOMINIC OLESAK  
 PLOT SCALE = 1" = .1667'  
 PLOT DATE = 2/14/2022 10:08 AM

DESIGNED - MGFC  
 DRAWN - PJS  
 CHECKED - MGFC  
 DATE - 2/11/2022

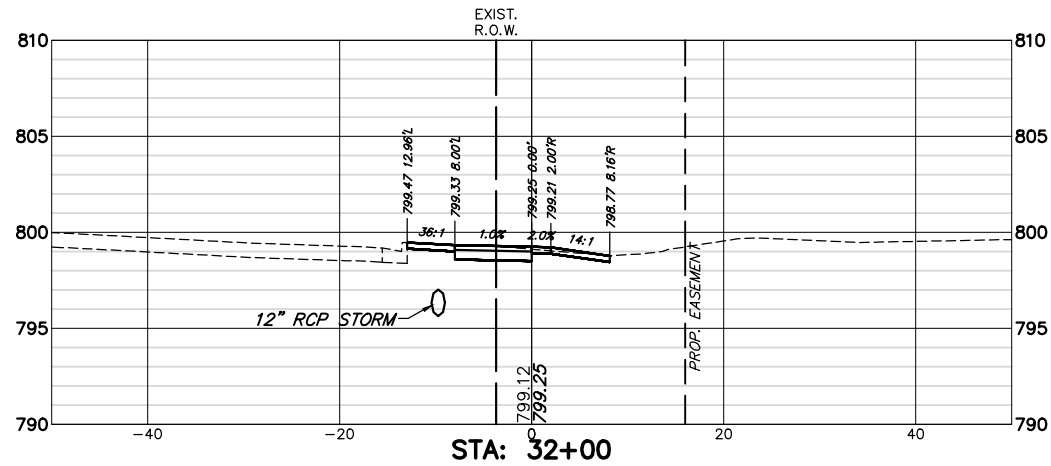
REVISED -  
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 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

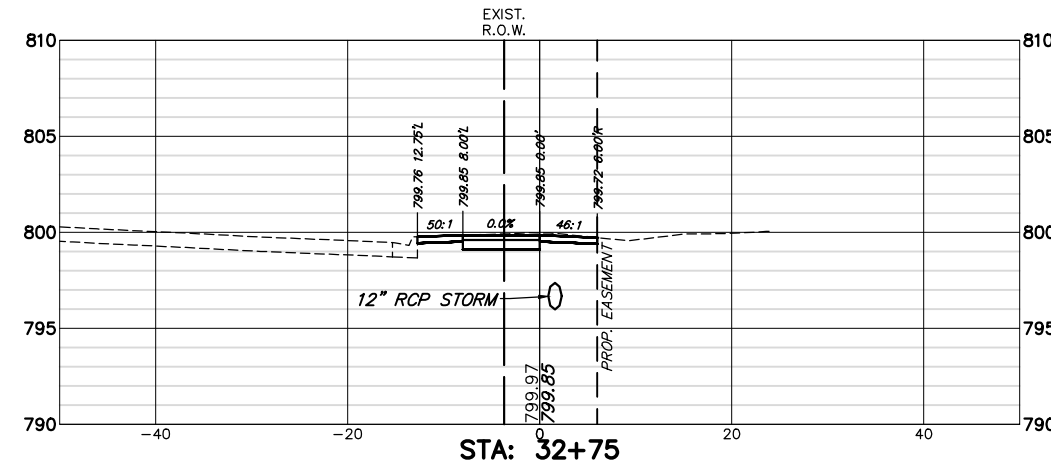
HART ROAD PATH CROSS SECTIONS  
 ITEP PEDESTRIAN PATH IMPROVEMENTS

SCALE AS NOTED SHEET NO. 10 OF 28 SHEETS STA. 30+00 TO STA. 31+25

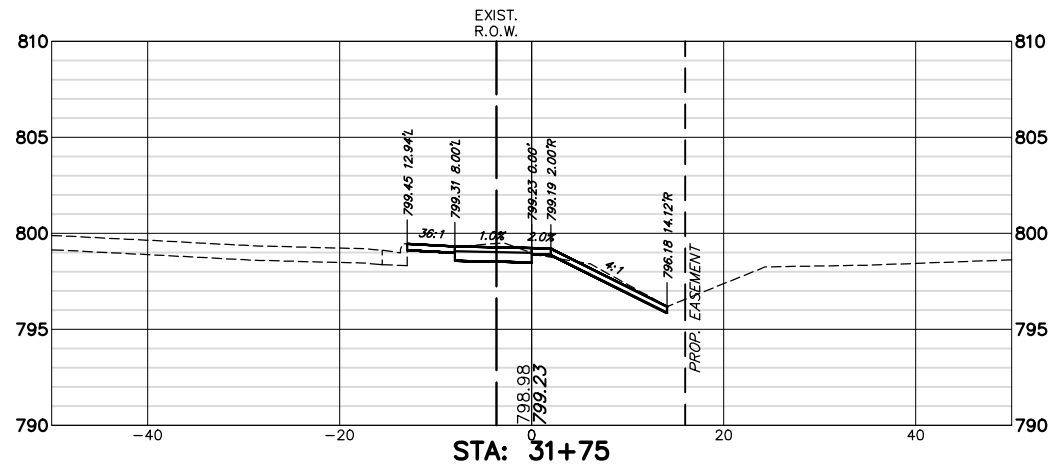
FALL RTE 2549 1270	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 97
CONTRACT #			61H66	
ILLINOIS FED. AID PROJECT				



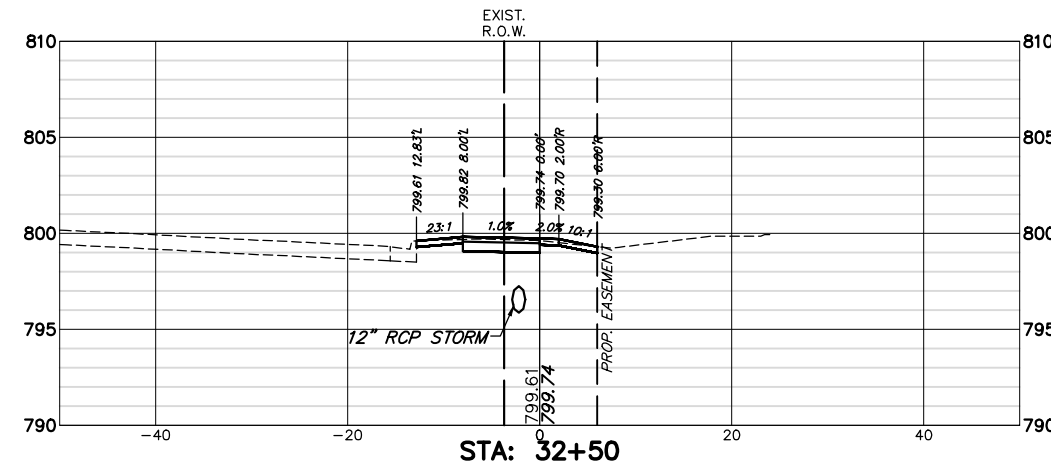
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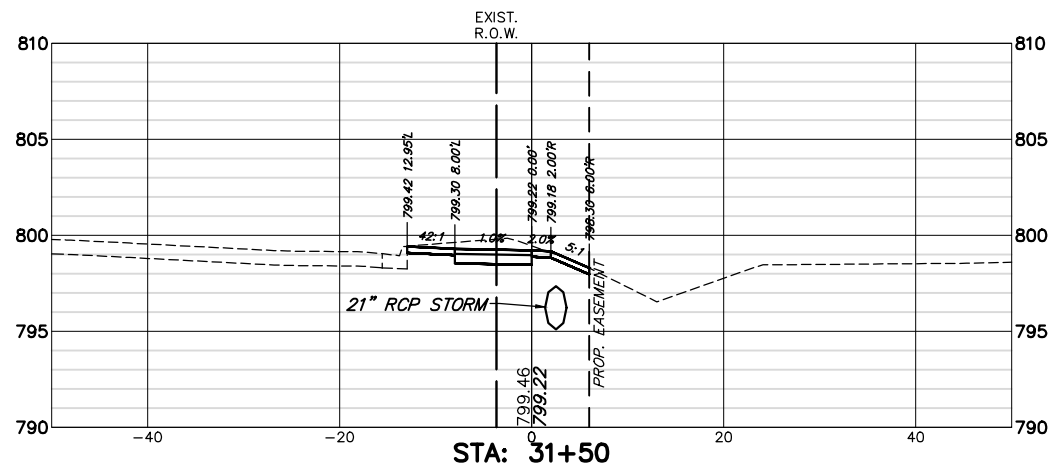
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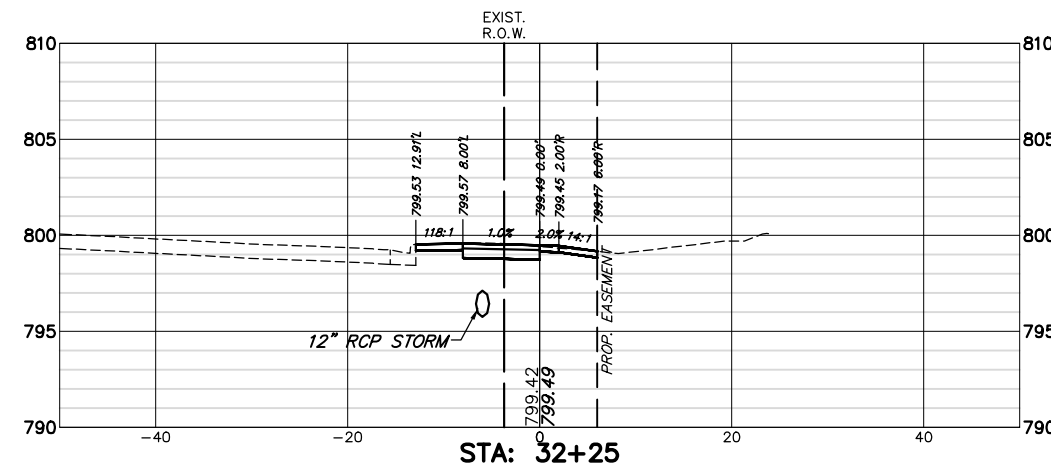
CUT: 12.73 SF  
 FILL: 0.12 SF



CUT: 7.74 SF  
 FILL: 0.00 SF



CUT: 14.38 SF  
 FILL: 0.00 SF



CUT: 9.40 SF  
 FILL: 0.00 SF

FILE NAME = 4370.120-PR1.dwg

USER NAME = DOMINIC OLESAK

DESIGNED - MGFC

REVISED -

PLOT SCALE = 1" = .1667'

DRAWN - PJS

REVISED -

PLOT DATE = 2/14/2022 10:08 AM

CHECKED - MGFC

REVISED -

DATE - 2/11/2022

REVISED -

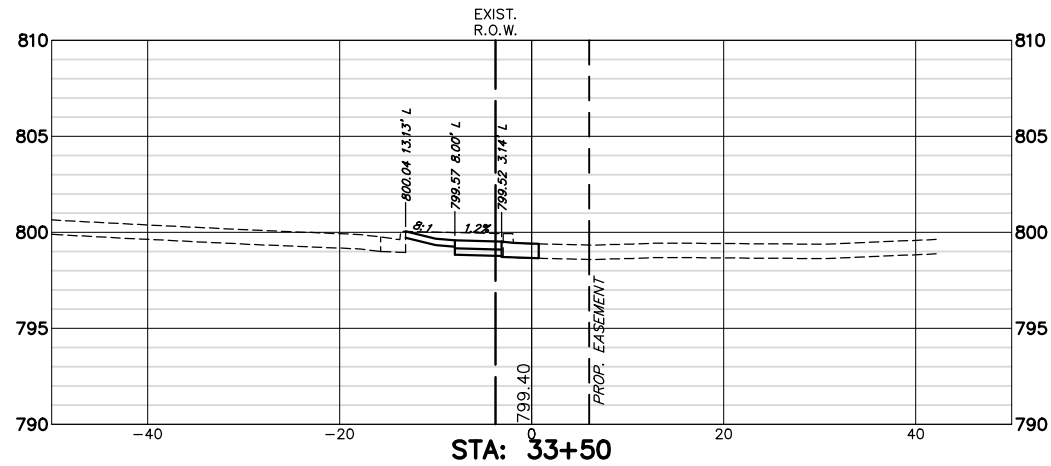
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

HART ROAD PATH CROSS SECTIONS  
 ITEP PEDESTRIAN PATH IMPROVEMENTS

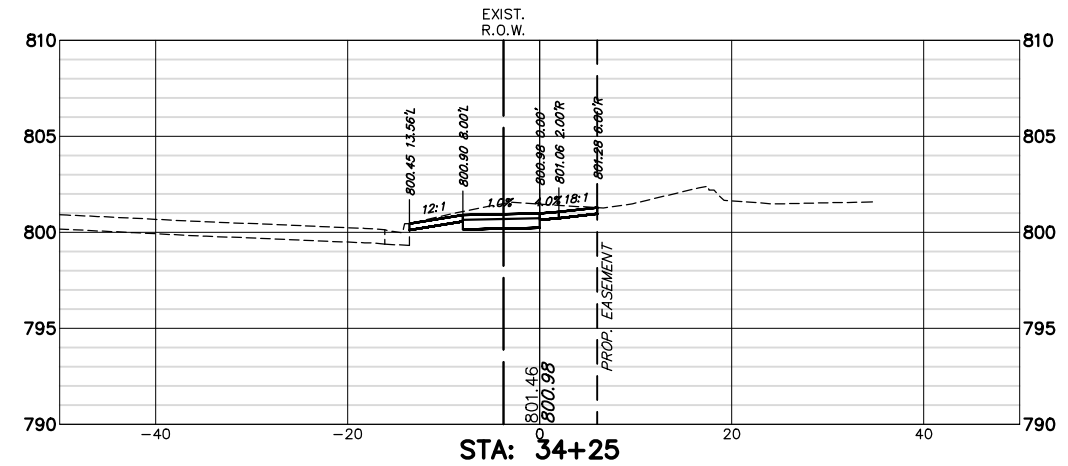
SCALE AS NOTED SHEET NO. 11 OF 28 SHEETS STA. 31+50 TO STA. 32+75

FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	98
CONTRACT #			61H66	

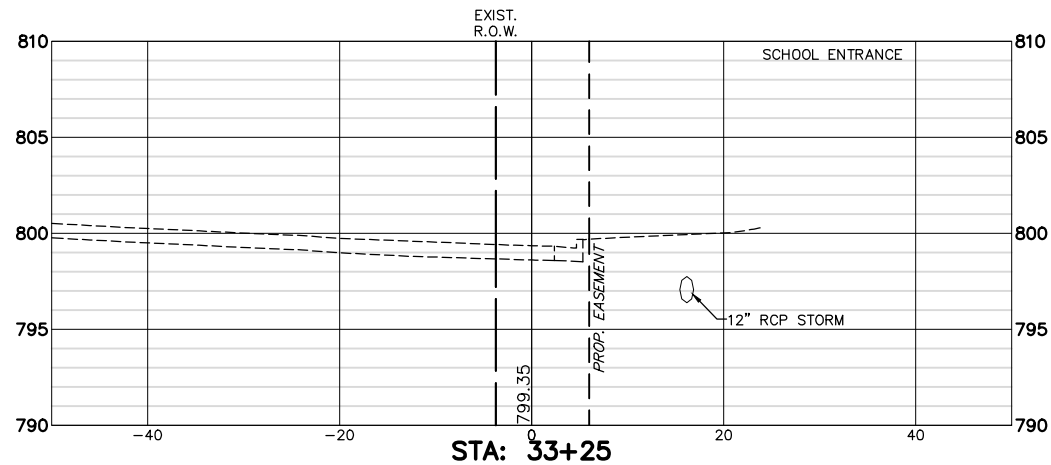
ILLINOIS FED. AID PROJECT



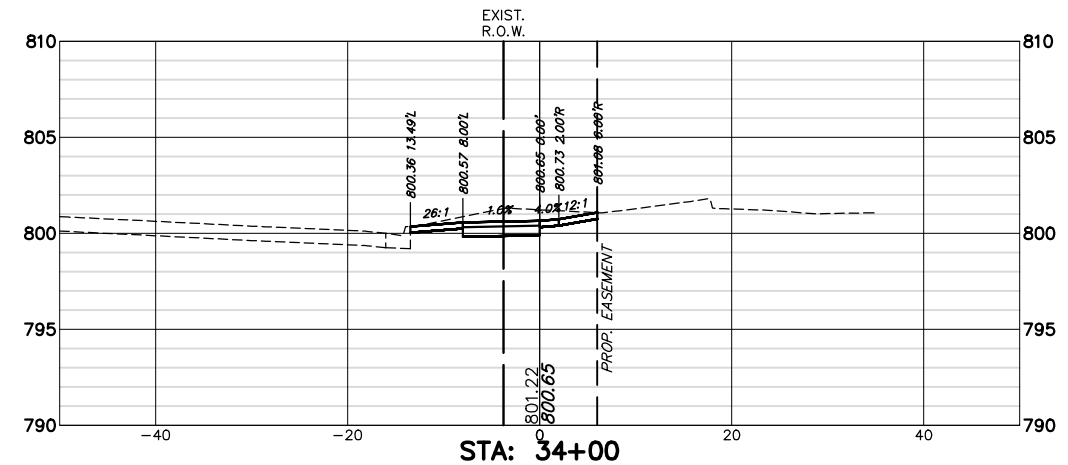
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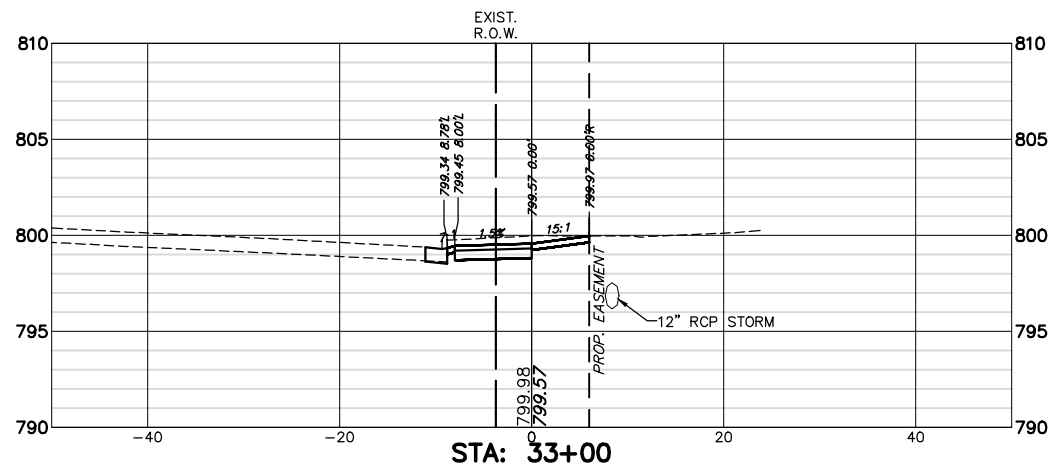
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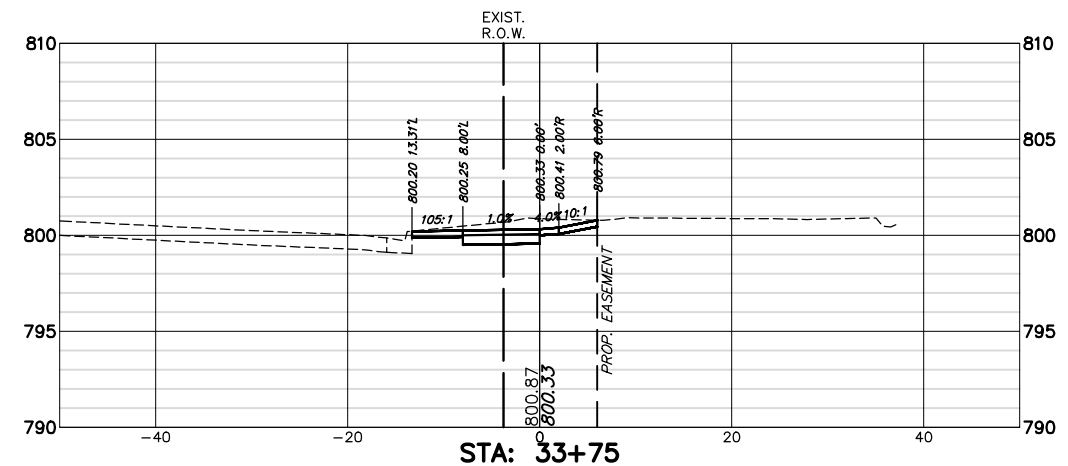
CUT: 0.00 SF  
 FILL: 0.00 SF



CUT: 16.84 SF  
 FILL: 0.00 SF



CUT: 15.10 SF  
 FILL: 0.00 SF



CUT: 15.51 SF  
 FILL: 0.00 SF

FILE NAME = 4370.120-PR1.dwg  
 USER NAME = DOMINIC OLESAK  
 PLOT SCALE = 1" = .1667'  
 PLOT DATE = 2/14/2022 10:08 AM

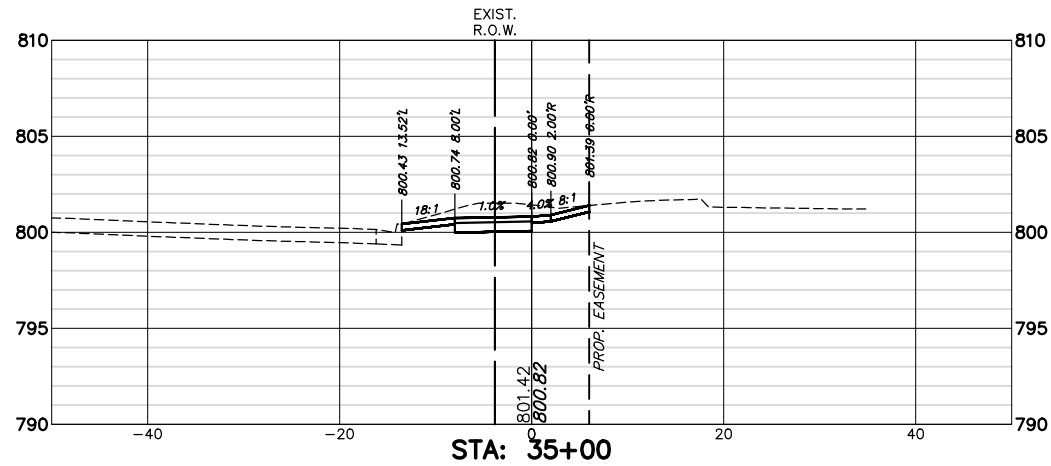
DESIGNED - MGFC	REVISED -
DRAWN - PJS	REVISED -
CHECKED - MGFC	REVISED -
DATE - 2/11/2022	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

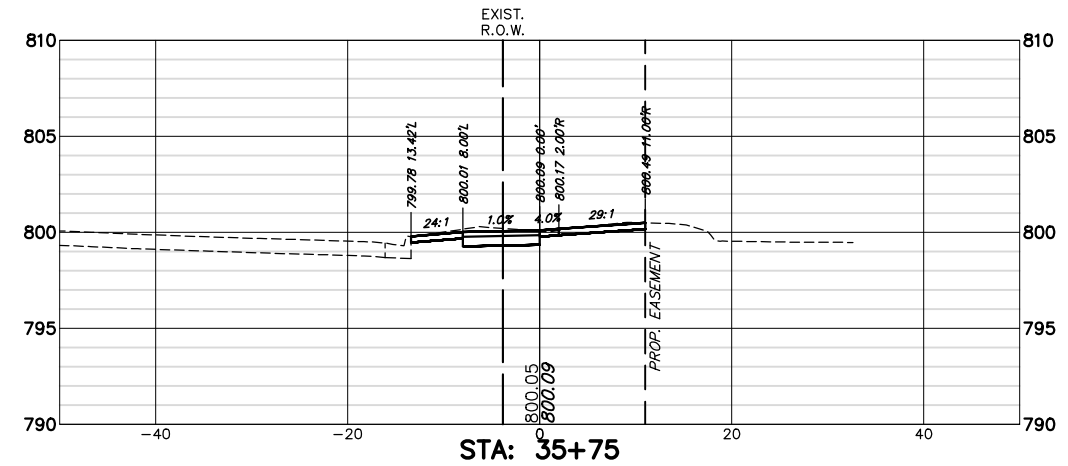
**HART ROAD PATH CROSS SECTIONS  
 ITEP PEDESTRIAN PATH IMPROVEMENTS**

SCALE AS NOTED | SHEET NO. 12 OF 28 SHEETS | STA. 33+00 TO STA. 34+25

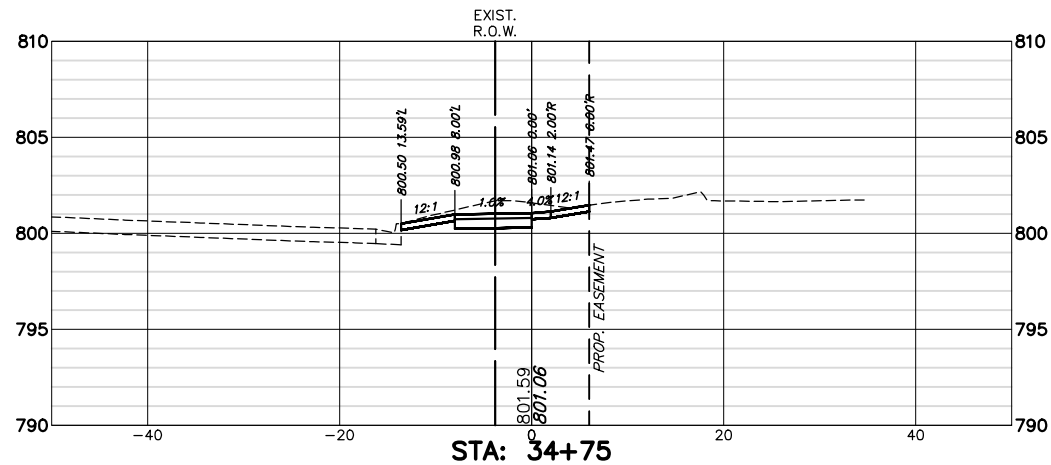
FALL RTE 2549 1270	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 99
CONTRACT #			61H66	
ILLINOIS FED. AID PROJECT				



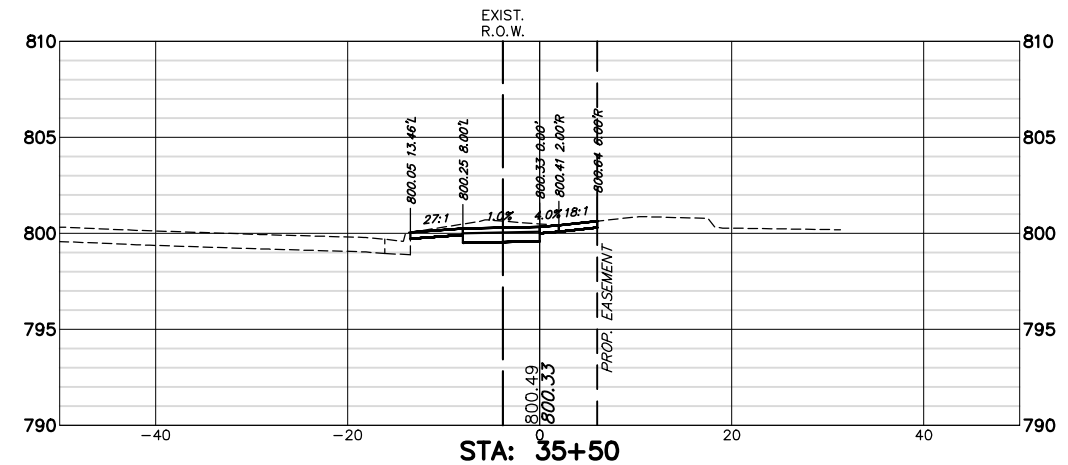
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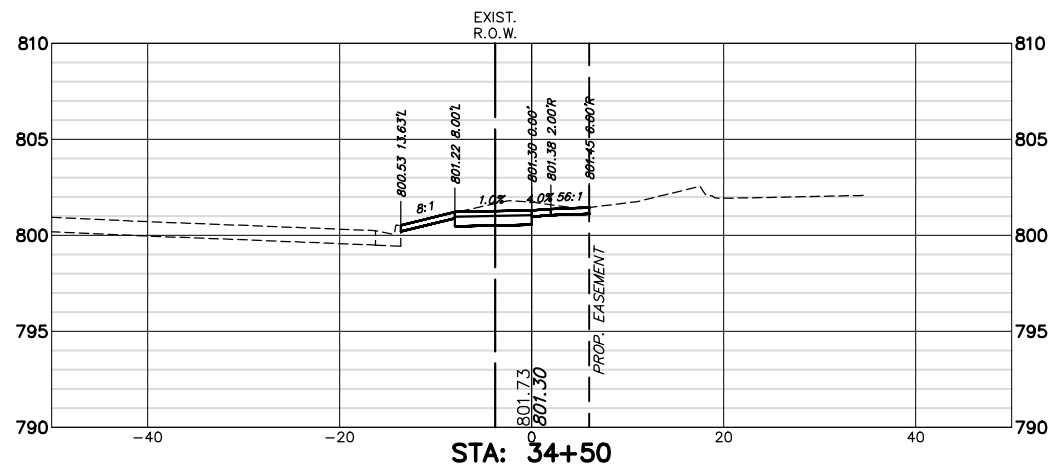
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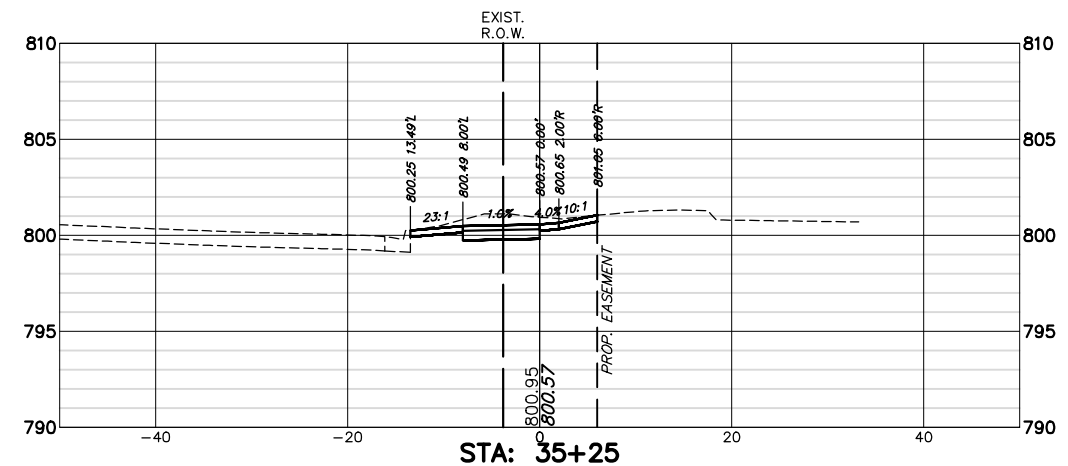
CUT: 16.15 SF  
 FILL: 0.00 SF



CUT: 12.98 SF  
 FILL: 0.00 SF



CUT: 13.27 SF  
 FILL: 0.00 SF



CUT: 15.52 SF  
 FILL: 0.00 SF

FILE NAME = 4370.120-PR1.dwg

USER NAME = DOMINIC OLESAK

DESIGNED - MGFC

REVISED -

PLOT SCALE = 1" = .1667'

DRAWN - PJS

REVISED -

PLOT DATE = 2/14/2022 10:08 AM

CHECKED - MGFC

REVISED -

DATE - 2/11/2022

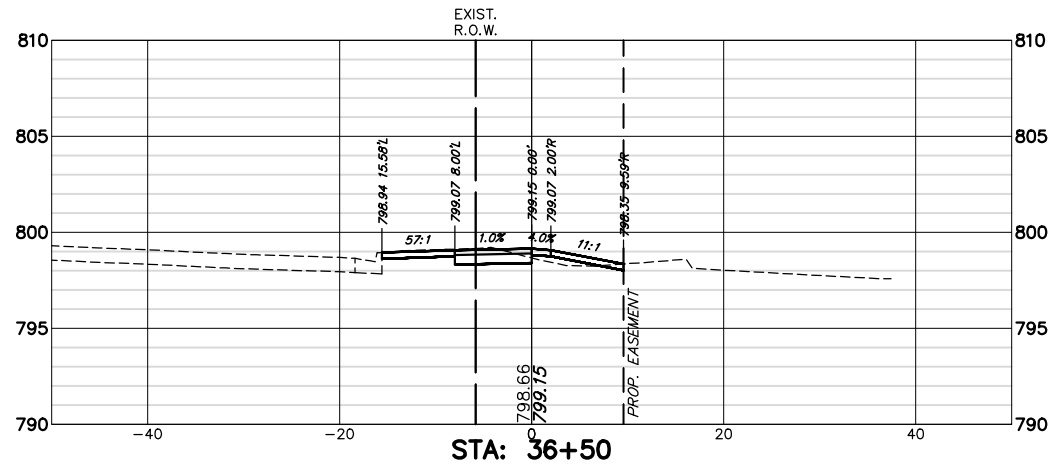
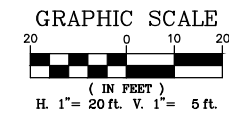
REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

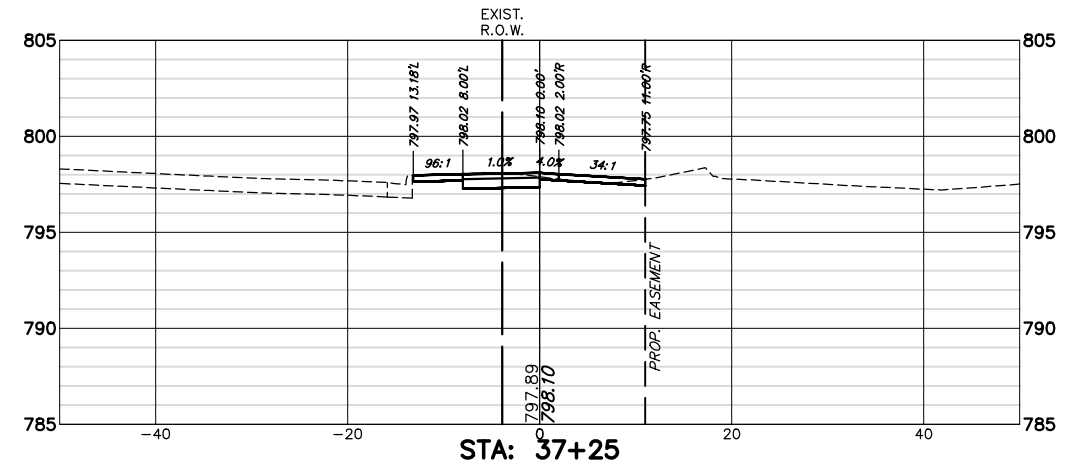
HART ROAD PATH CROSS SECTIONS  
 ITEP PEDESTRIAN PATH IMPROVEMENTS

SCALE AS NOTED SHEET NO. 13 OF 28 SHEETS STA. 34+50 TO STA. 35+75

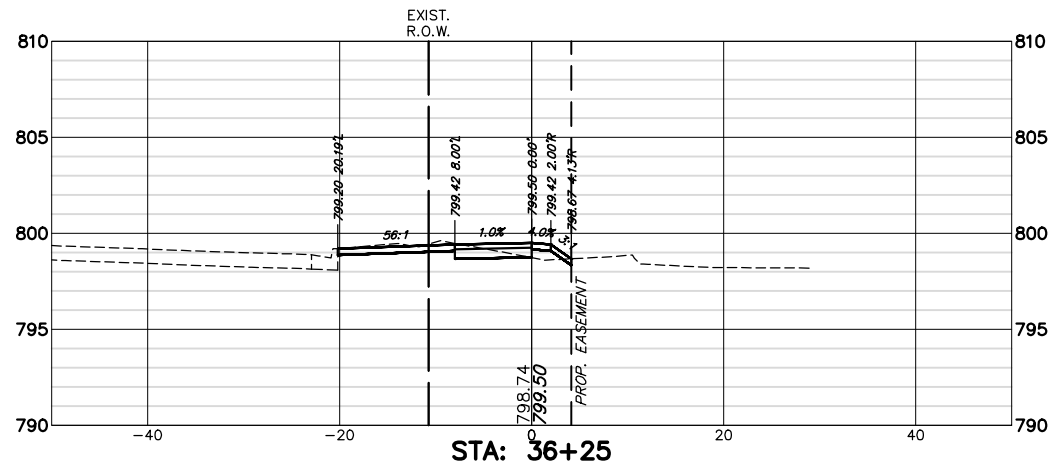
FALL RTE 2549 1270	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 100
CONTRACT #			61H66	
ILLINOIS FED. AID PROJECT				



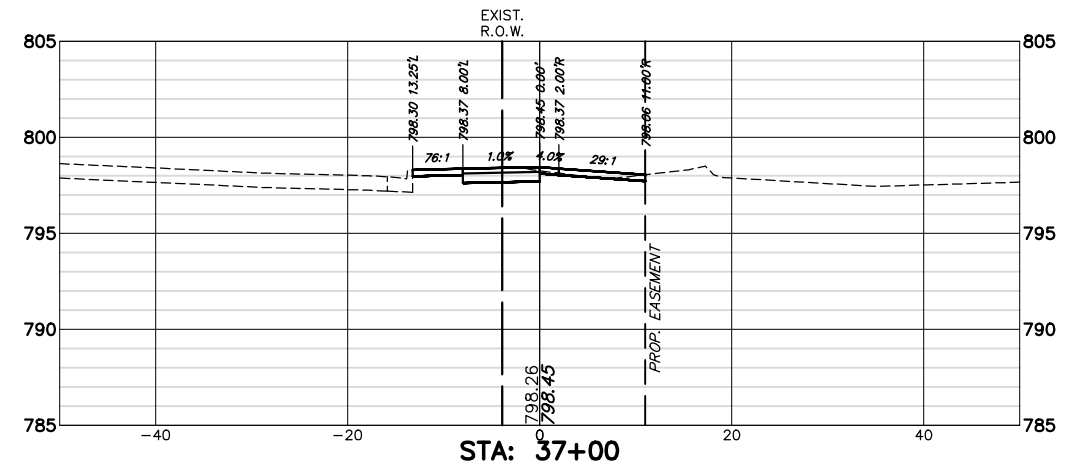
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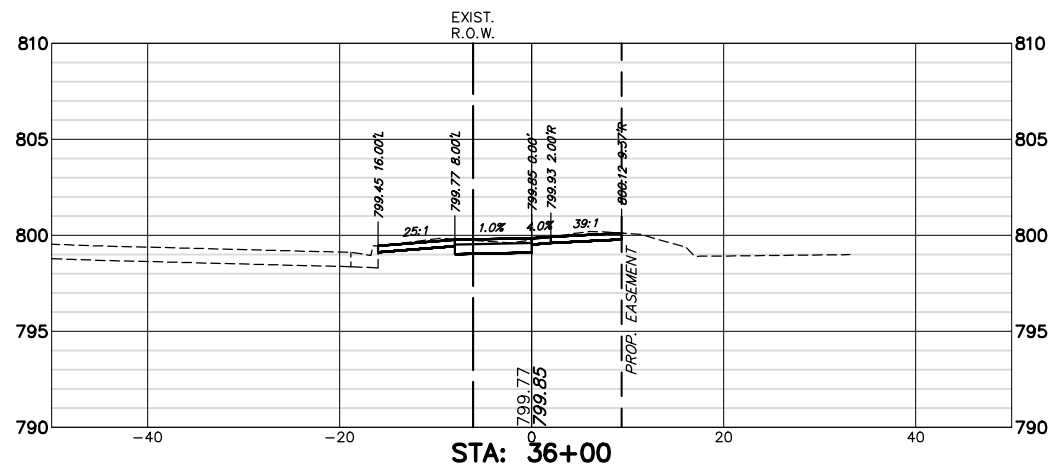
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FILL: 0.00 SF



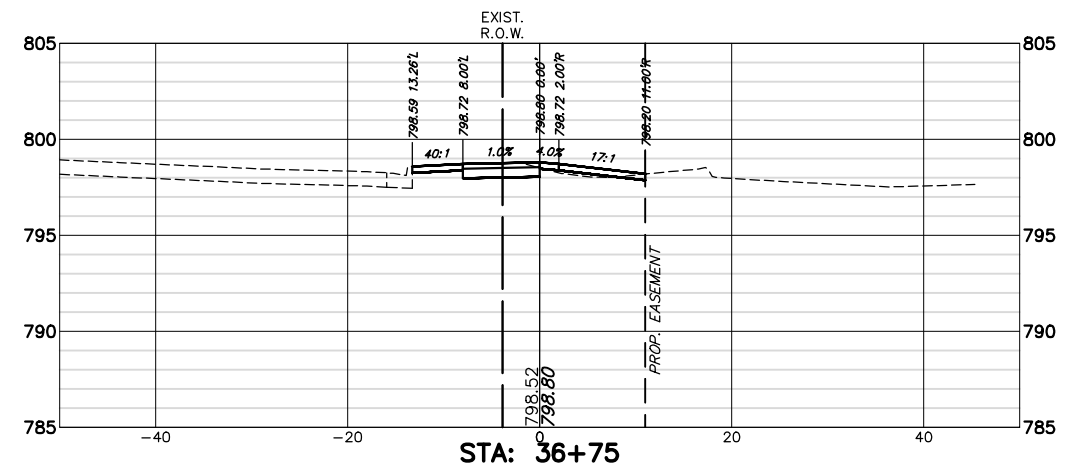
CUT: 8.37 SF  
FILL: 1.25 SF



CUT: 8.69 SF  
FILL: 0.03 SF



CUT: 11.99 SF  
FILL: 0.00 SF



CUT: 7.87 SF  
FILL: 0.84 SF

FILE NAME = 4370.120-PR1.dwg  
USER NAME = DOMINIC OLESAK  
PLOT SCALE = 1" = .1667'  
PLOT DATE = 2/14/2022 10:08 AM

DESIGNED	-	MGFC
DRAWN	-	PJS
CHECKED	-	MGFC
DATE	-	2/11/2022

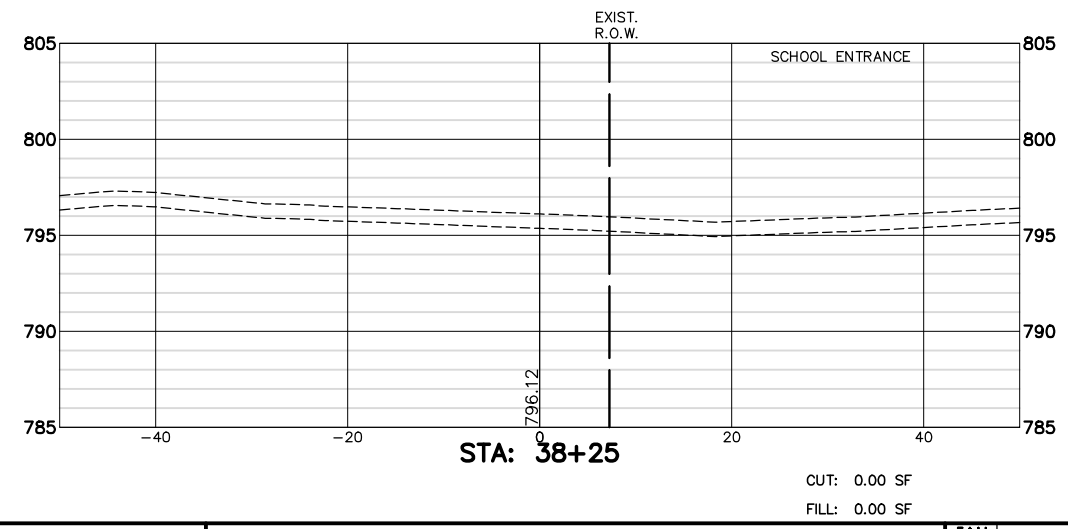
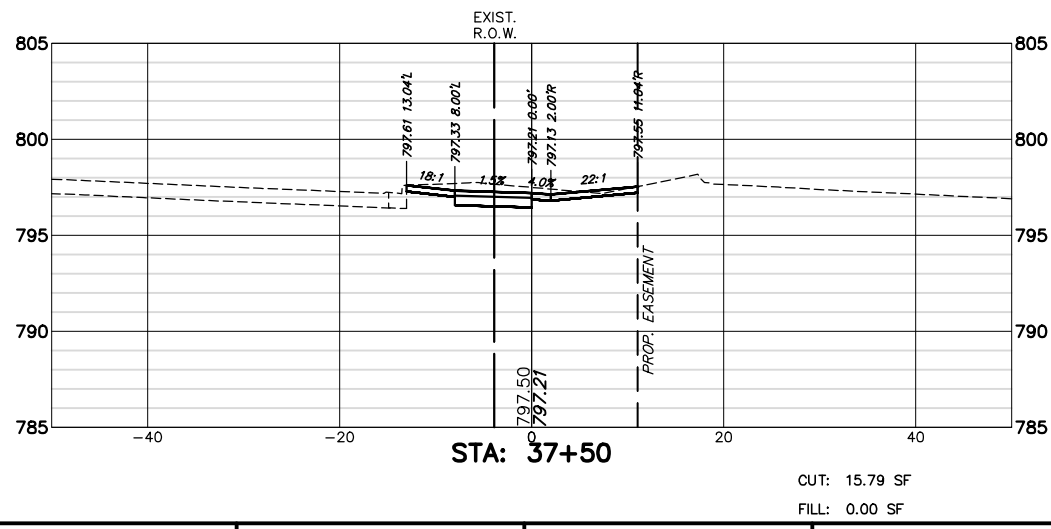
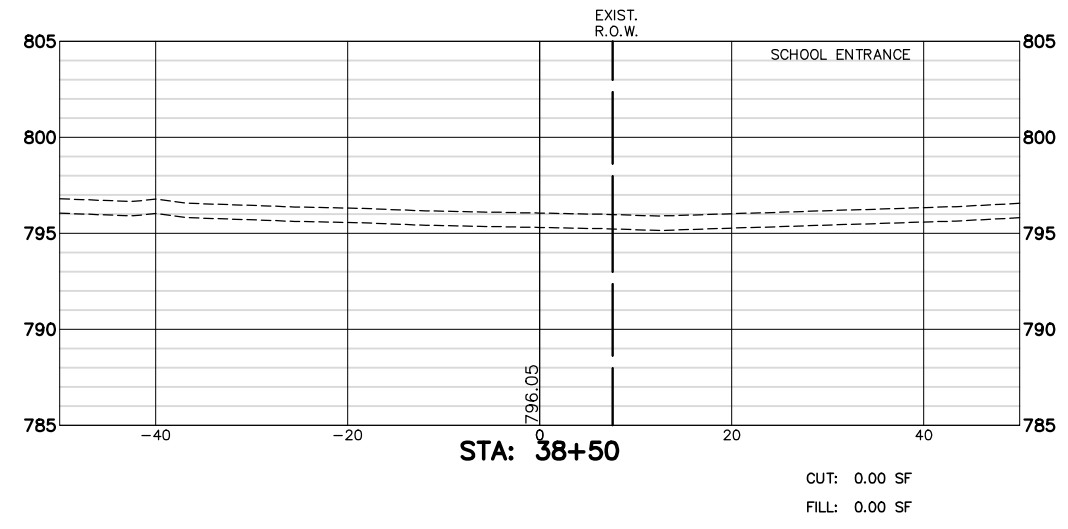
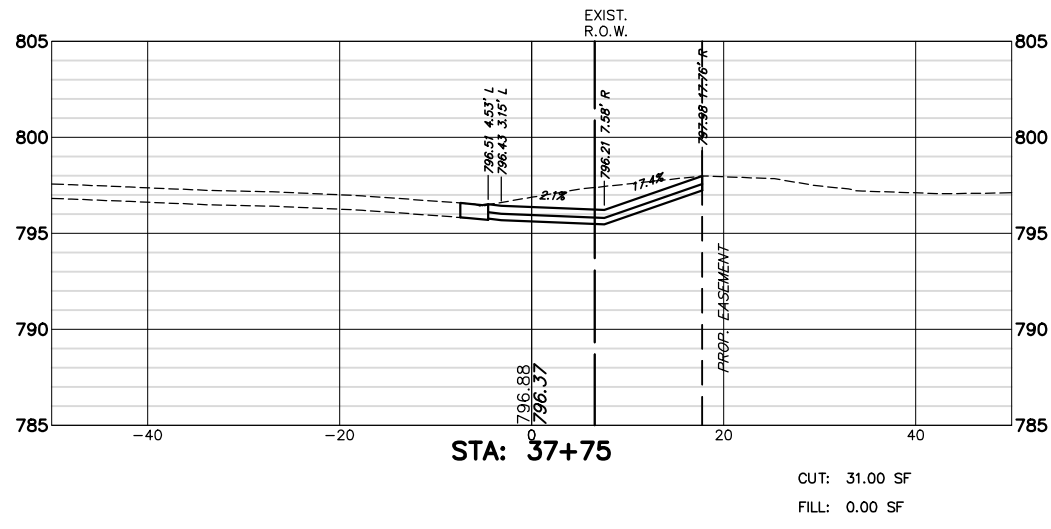
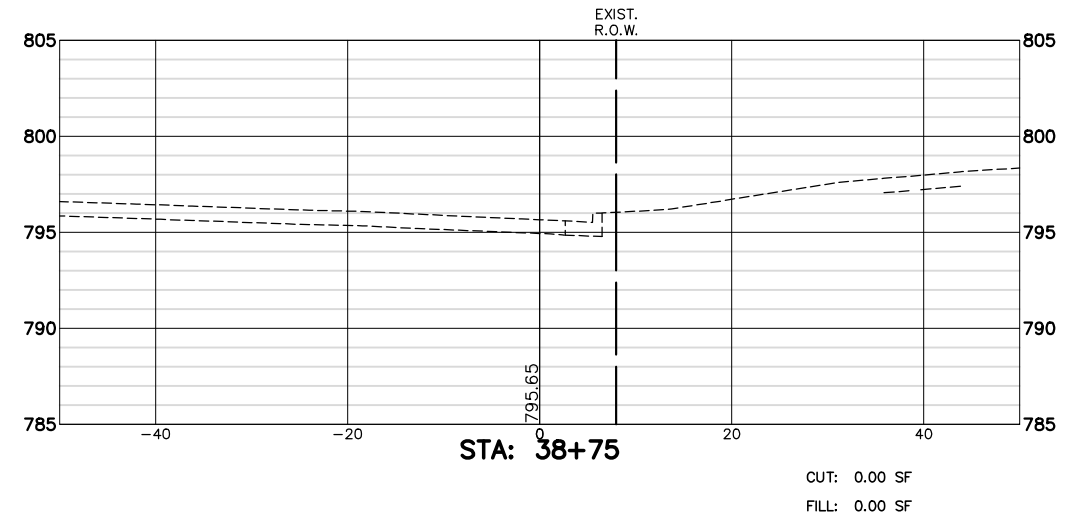
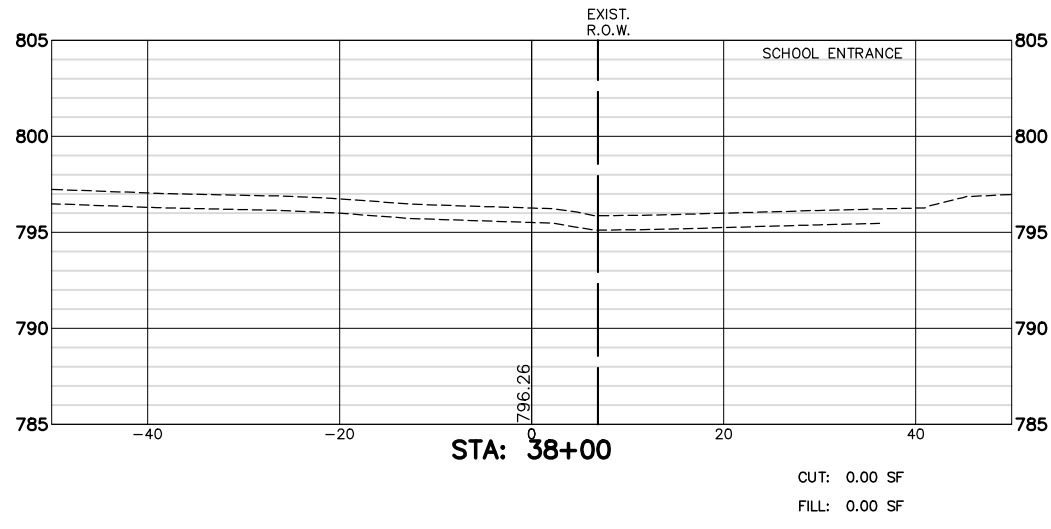
REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**HART ROAD PATH CROSS SECTIONS  
ITEP PEDESTRIAN PATH IMPROVEMENTS**

SCALE AS NOTED | SHEET NO. 14 OF 28 SHEETS | STA. 36+00 TO STA. 37+25

FALL RTE 2549 1270	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 101
CONTRACT #			61H66	
ILLINOIS FED. AID PROJECT				



FILE NAME = 4370.120-PR1.dwg  
 USER NAME = DOMINIC OLESAK  
 PLOT SCALE = 1" = .1667'  
 PLOT DATE = 2/14/2022 10:08 AM

DESIGNED - MGFC  
 DRAWN - PJS  
 CHECKED - MGFC  
 DATE - 2/11/2022

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

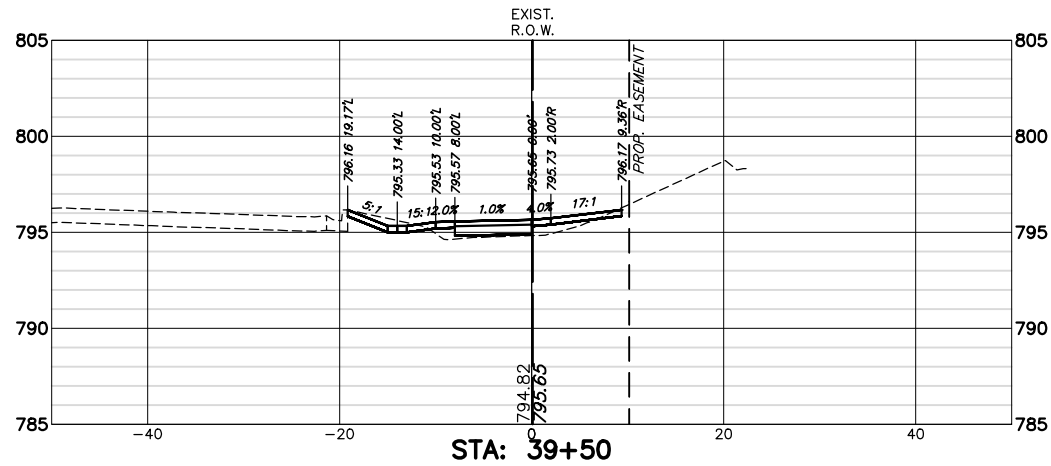
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**HART ROAD PATH CROSS SECTIONS  
 ITEP PEDESTRIAN PATH IMPROVEMENTS**

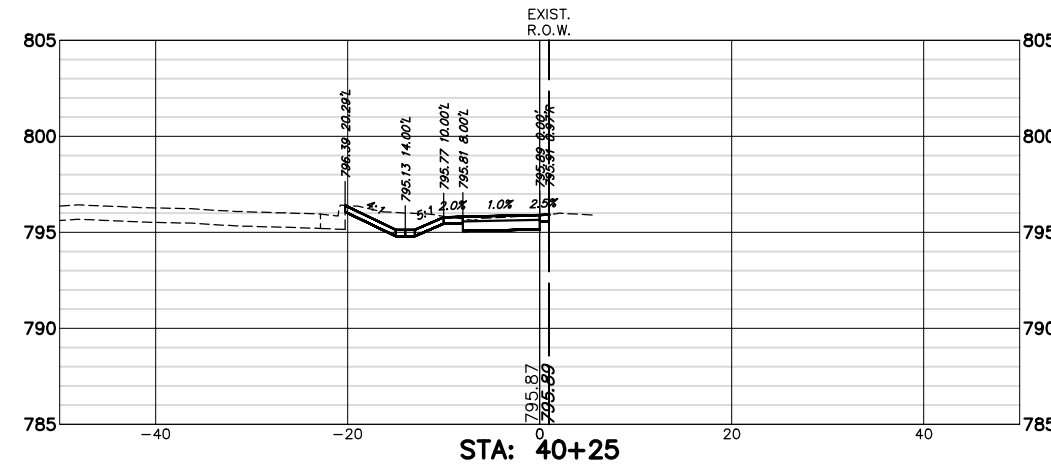
SCALE AS NOTED | SHEET NO. 15 OF 28 SHEETS | STA. 37+50 TO STA. 38+75

FALL RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	102
CONTRACT #			61H66	

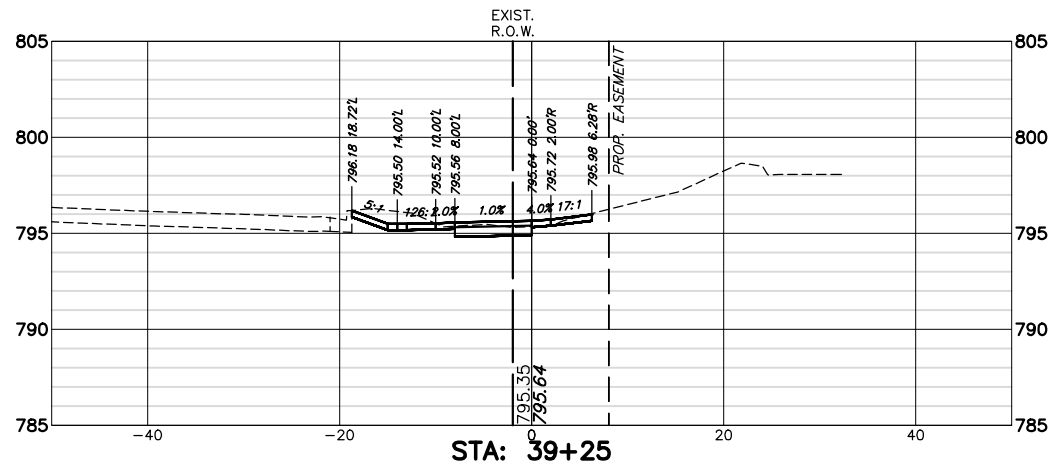
ILLINOIS FED. AID PROJECT



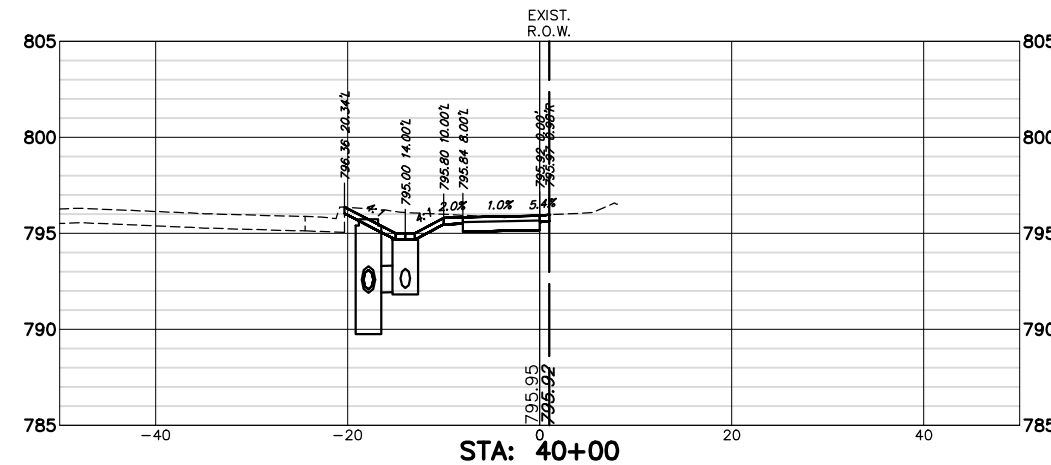
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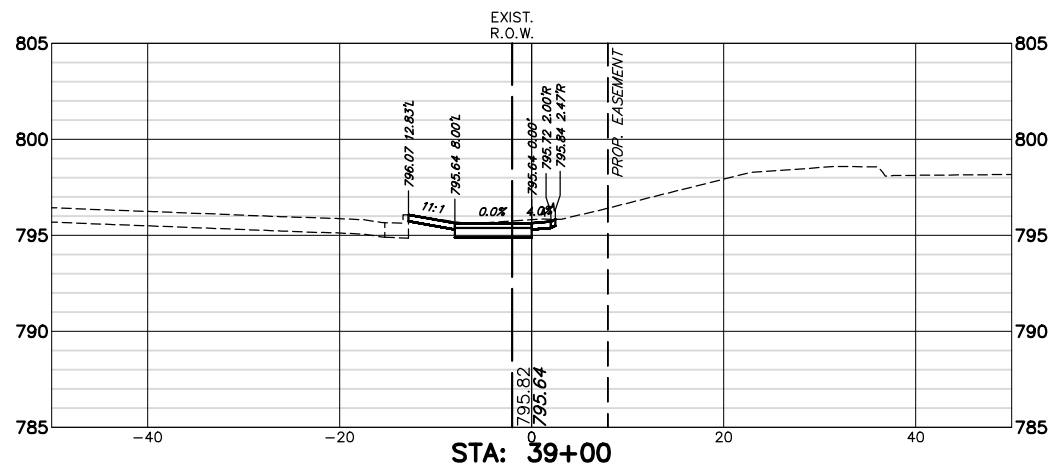
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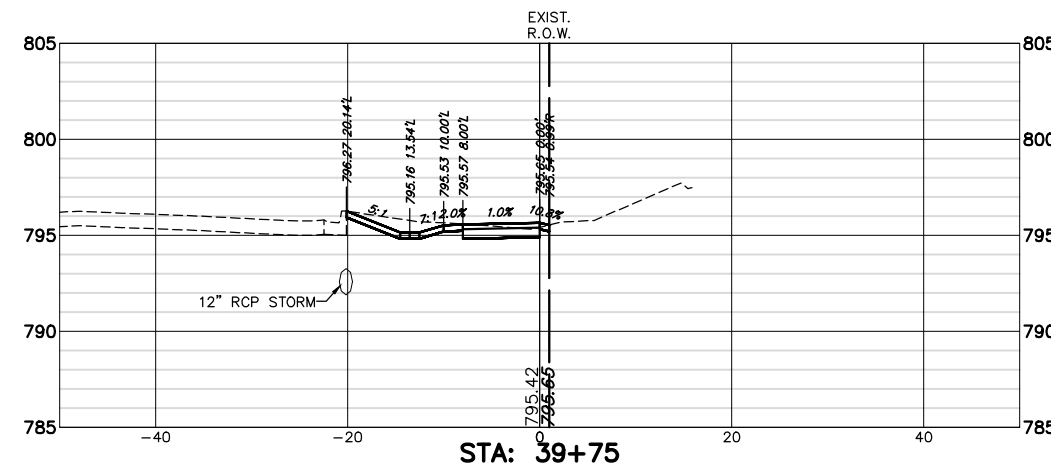
CUT: 12.21 SF  
 FILL: 0.01 SF



CUT: 17.98 SF  
 FILL: 0.00 SF



CUT: 9.42 SF  
 FILL: 0.00 SF



CUT: 13.14 SF  
 FILL: 0.00 SF

FILE NAME = 4370.120-PR1.dwg  
 USER NAME = DOMINIC OLESAK  
 PLOT SCALE = 1" = .1667'  
 PLOT DATE = 2/14/2022 10:08 AM

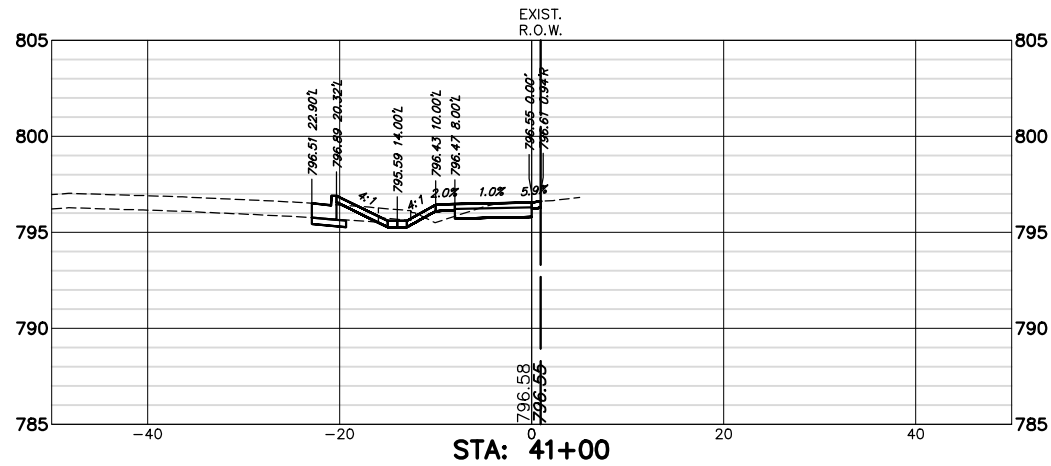
DESIGNED - MGFC	REVISED -
DRAWN - PJS	REVISED -
CHECKED - MGFC	REVISED -
DATE - 2/11/2022	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

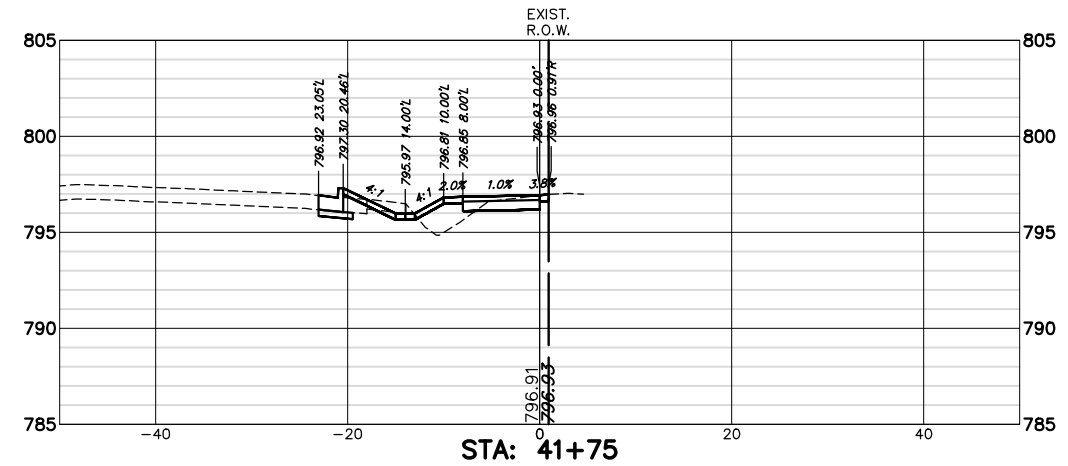
**HART ROAD PATH CROSS SECTIONS  
 ITEP PEDESTRIAN PATH IMPROVEMENTS**

SCALE AS NOTED | SHEET NO. 16 OF 28 SHEETS | STA. 39+00 TO STA. 40+25

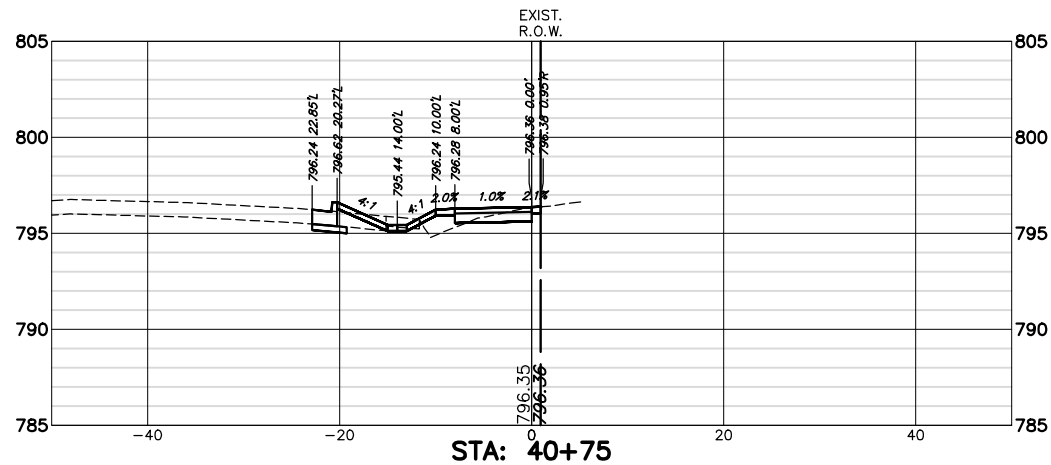
FALL RTE 2549 1270	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 103
CONTRACT #			61H66	
ILLINOIS FED. AID PROJECT				



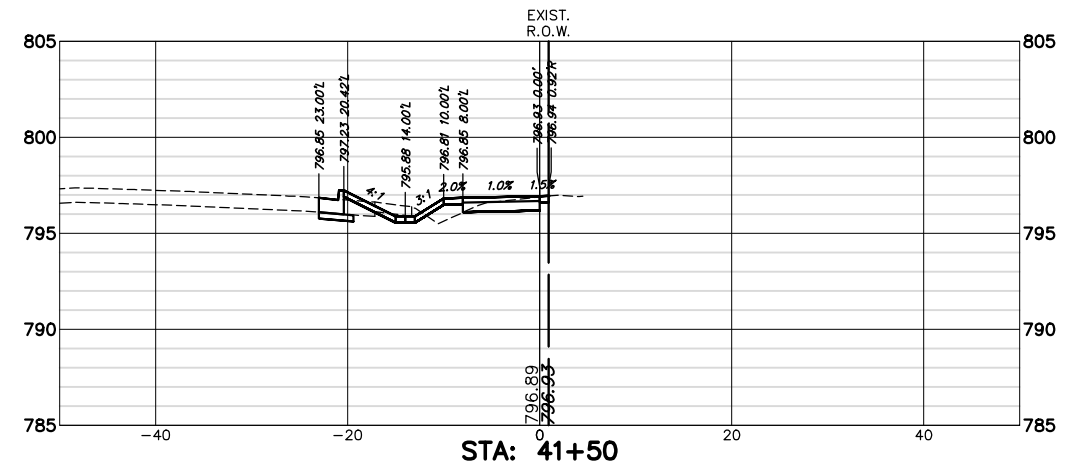
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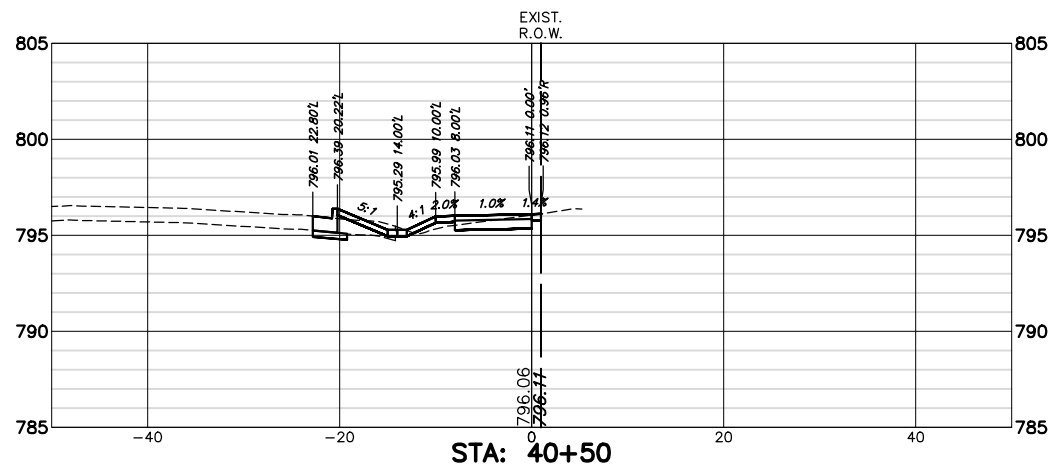
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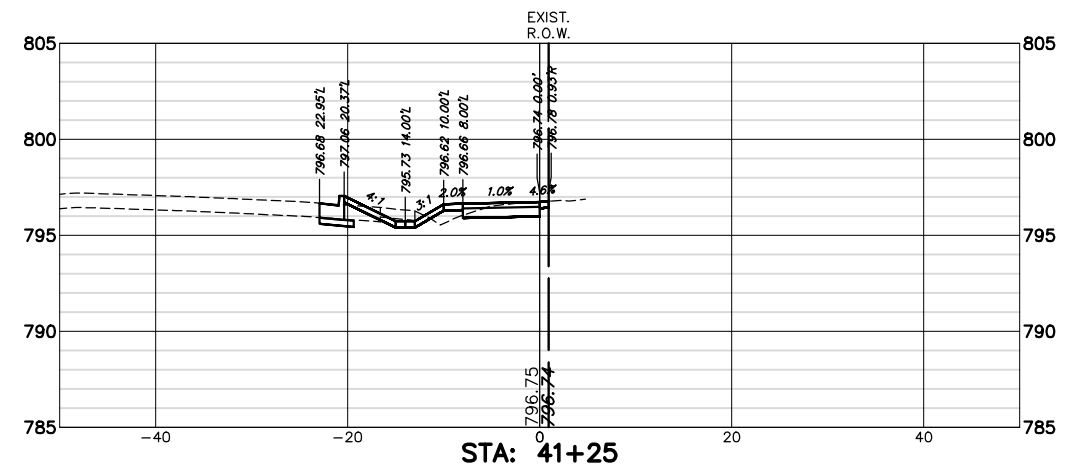
CUT: 10.87 SF  
 FILL: 2.79 SF



CUT: 12.54 SF  
 FILL: 2.25 SF



CUT: 10.39 SF  
 FILL: 0.98 SF



CUT: 13.69 SF  
 FILL: 1.48 SF

FILE NAME = 4370.120-PR1.dwg

USER NAME = DOMINIC OLESAK

DESIGNED - MGFC

REVISED -

PLOT SCALE = 1" = .1667'

DRAWN - PJS

REVISED -

PLOT DATE = 2/14/2022 10:08 AM

CHECKED - MGFC

REVISED -

DATE - 2/11/2022

REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

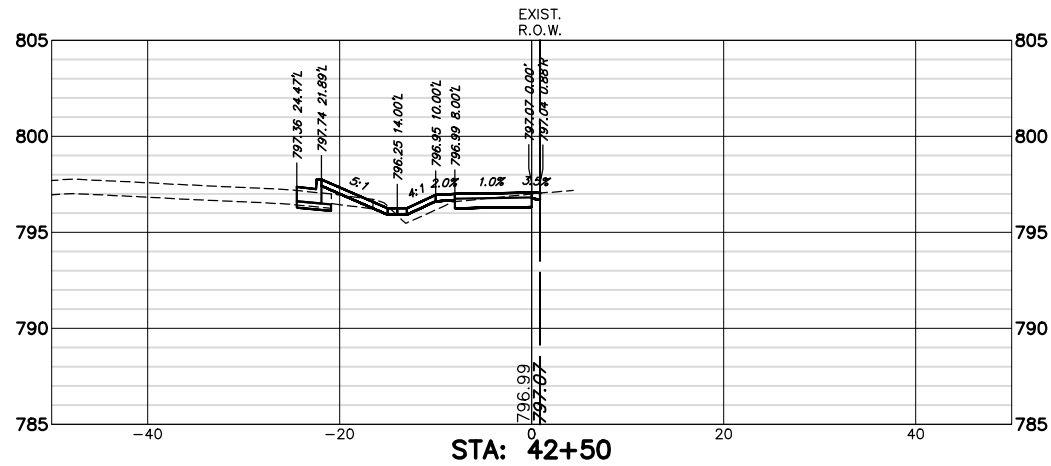
HART ROAD PATH CROSS SECTIONS  
 ITEP PEDESTRIAN PATH IMPROVEMENTS

SCALE AS NOTED SHEET NO. 17 OF 28 SHEETS STA. 40+50 TO STA. 41+75

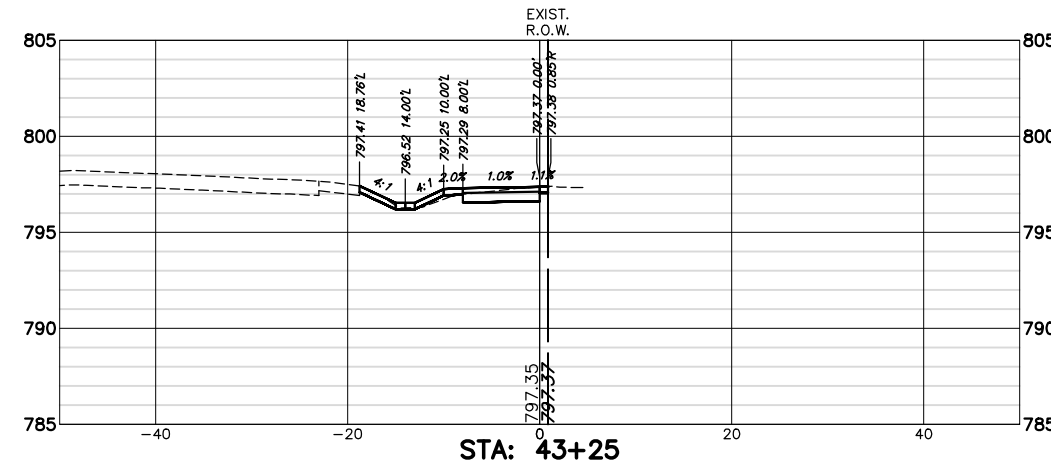
FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	104
CONTRACT #			61H66	

ILLINOIS FED. AID PROJECT

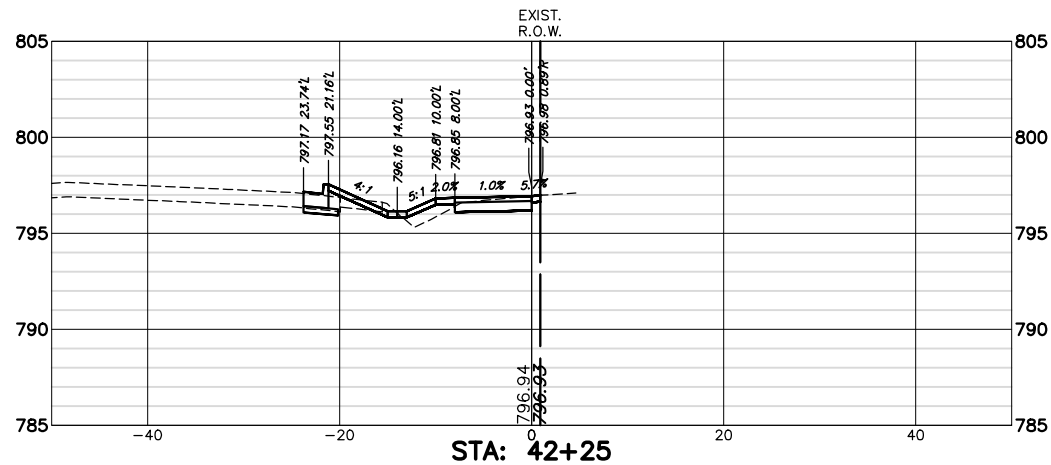




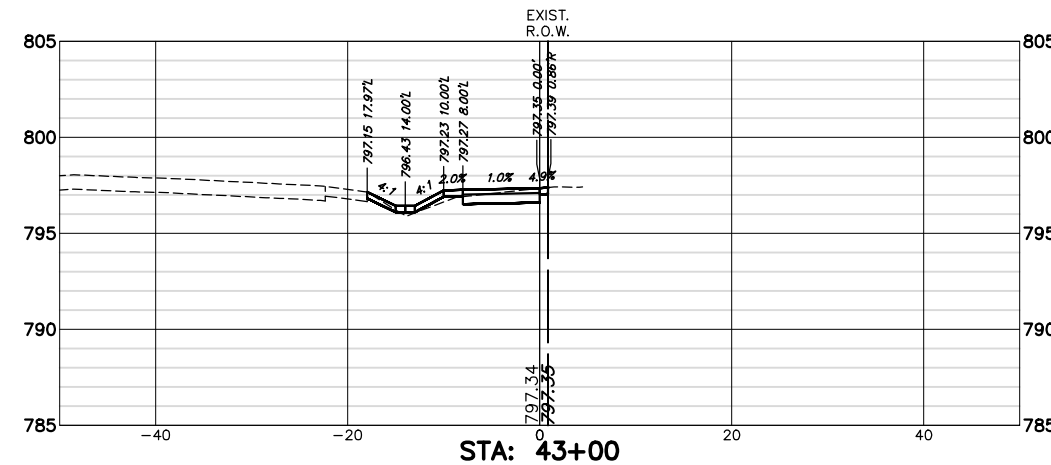
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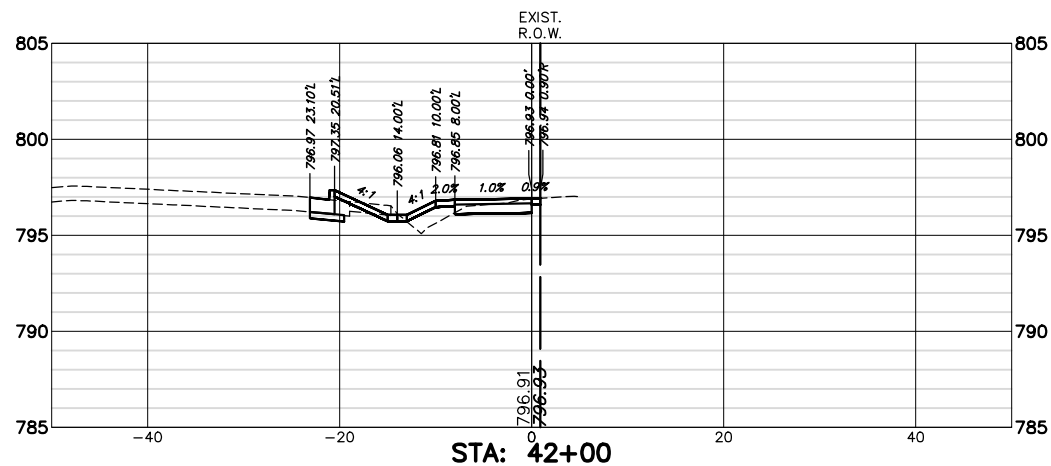
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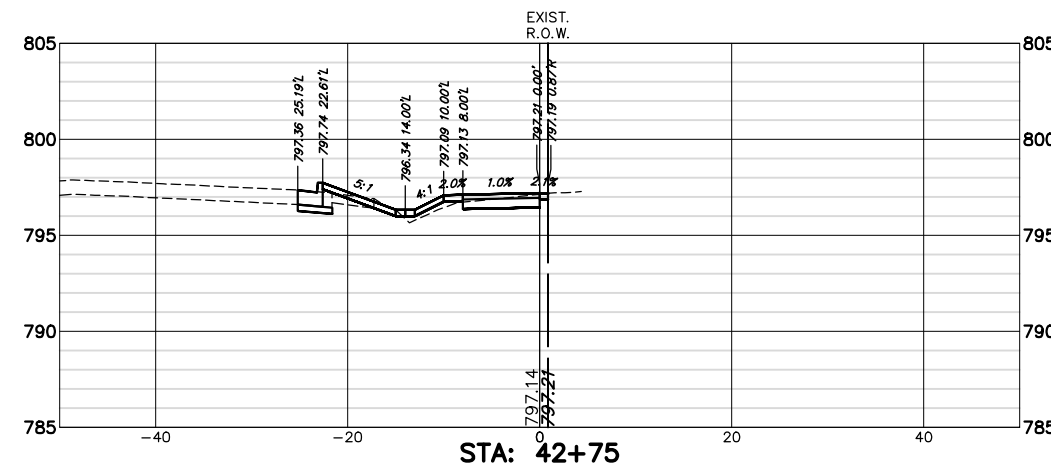
CUT: 10.82 SF  
 FILL: 2.66 SF



CUT: 5.52 SF  
 FILL: 0.86 SF



CUT: 10.81 SF  
 FILL: 3.29 SF



CUT: 10.22 SF  
 FILL: 1.39 SF

FILE NAME = 4370.120-PR1.dwg

USER NAME = DOMINIC OLESAK

DESIGNED - MGFC

REVISED -

PLOT SCALE = 1" = .1667'

DRAWN - PJS

REVISED -

PLOT DATE = 2/14/2022 10:09 AM

CHECKED - MGFC

REVISED -

DATE - 2/11/2022

REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

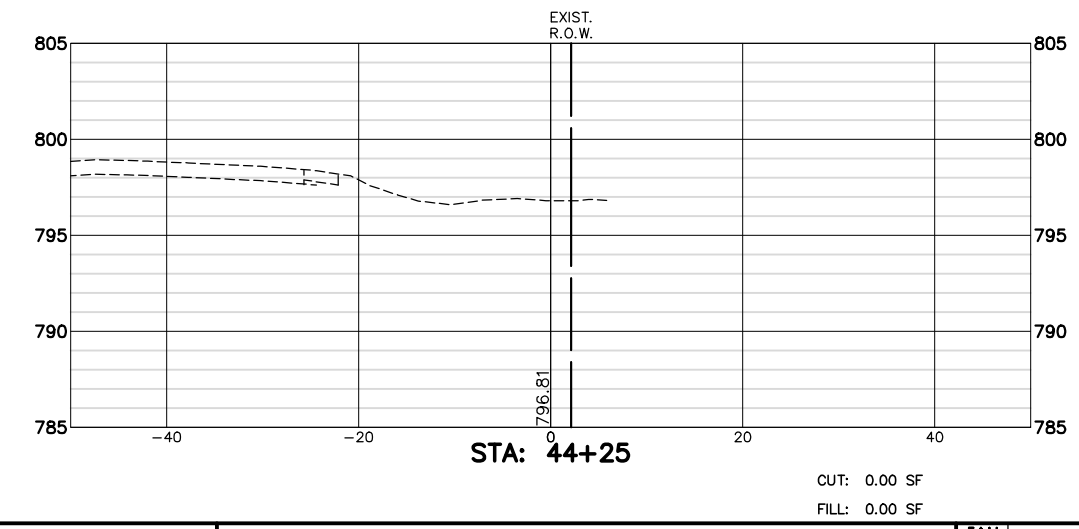
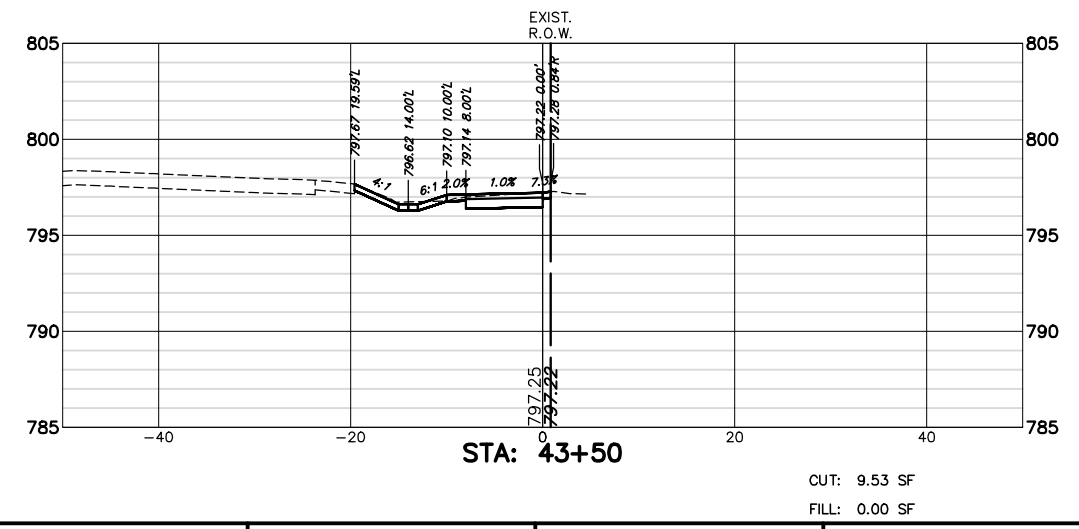
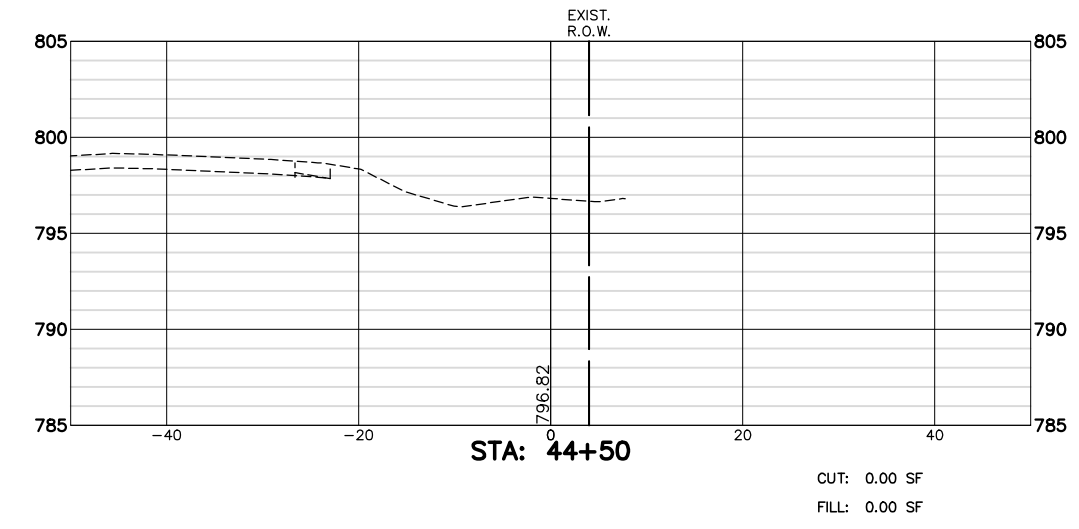
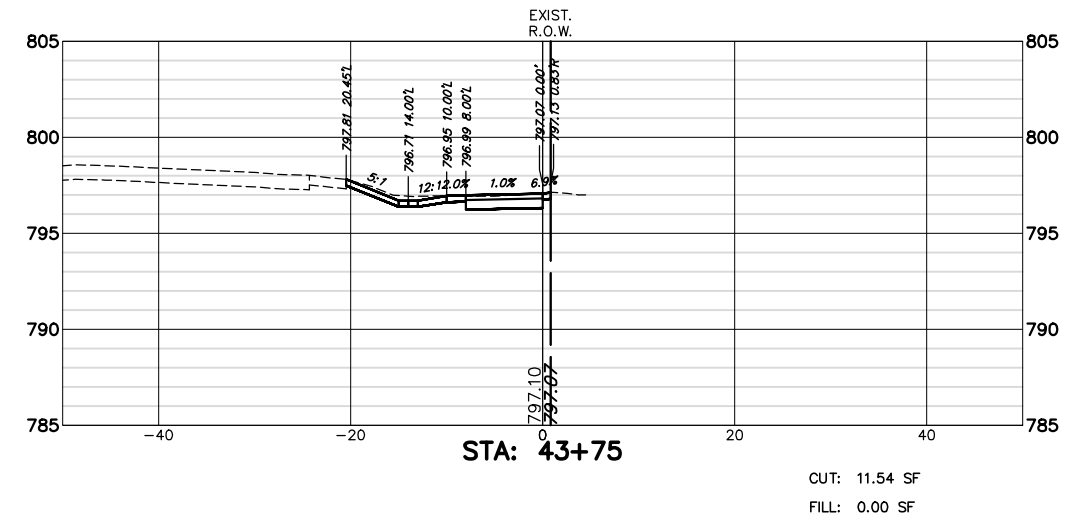
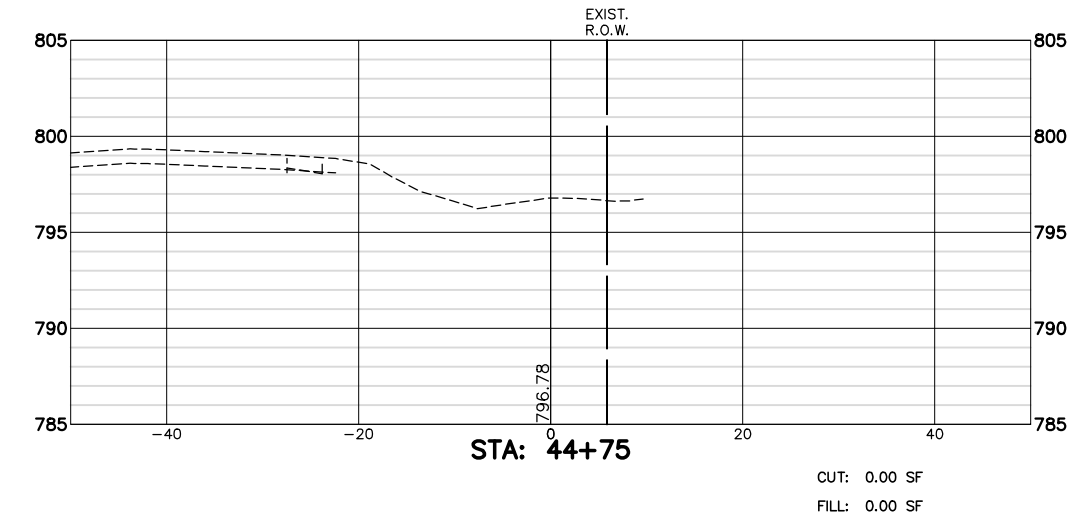
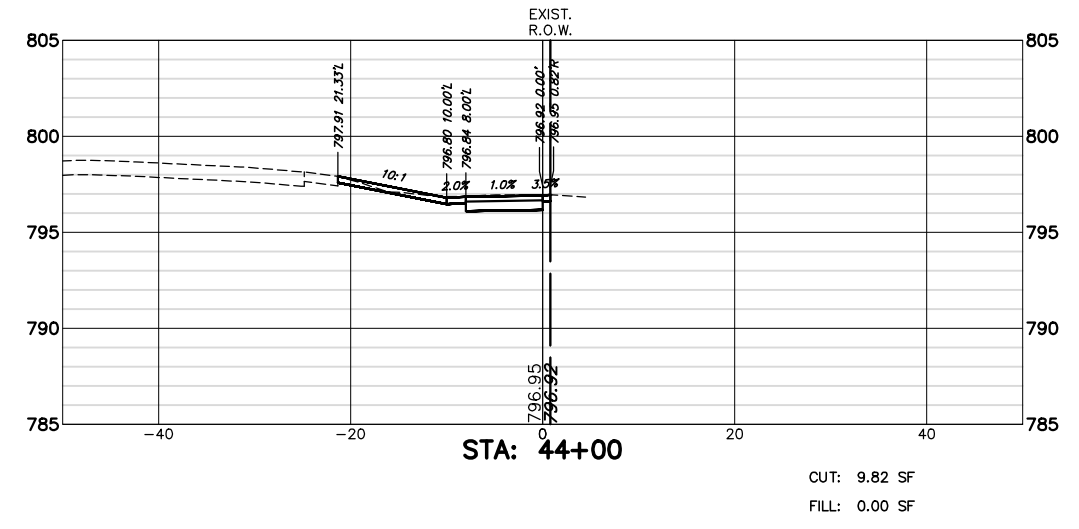
HART ROAD PATH CROSS SECTIONS  
 ITEP PEDESTRIAN PATH IMPROVEMENTS

SCALE AS NOTED SHEET NO. 18 OF 28 SHEETS STA. 42+00 TO STA. 43+25

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	105
CONTRACT #			61H66	

ILLINOIS FED. AID PROJECT

BEGIN OMISSION  
 STA. 44+09.64



FILE NAME = 4370.120-PR1.dwg

USER NAME = DOMINIC OLESAK

DESIGNED - MGFC

REVISED -

PLOT SCALE = 1" = .1667'

DRAWN - PJS

REVISED -

PLOT DATE = 2/14/2022 10:09 AM

CHECKED - MGFC

REVISED -

DATE - 2/11/2022

REVISED -

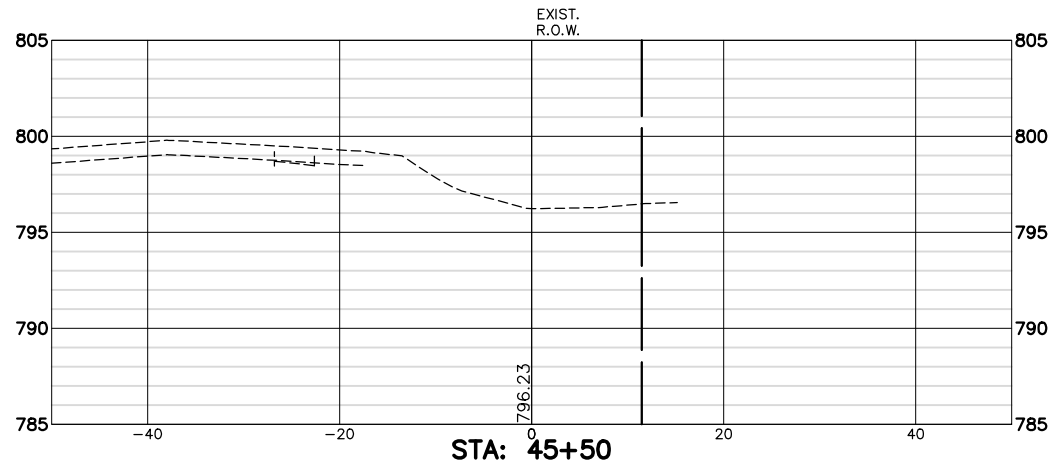
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

HART ROAD PATH CROSS SECTIONS  
 ITEP PEDESTRIAN PATH IMPROVEMENTS

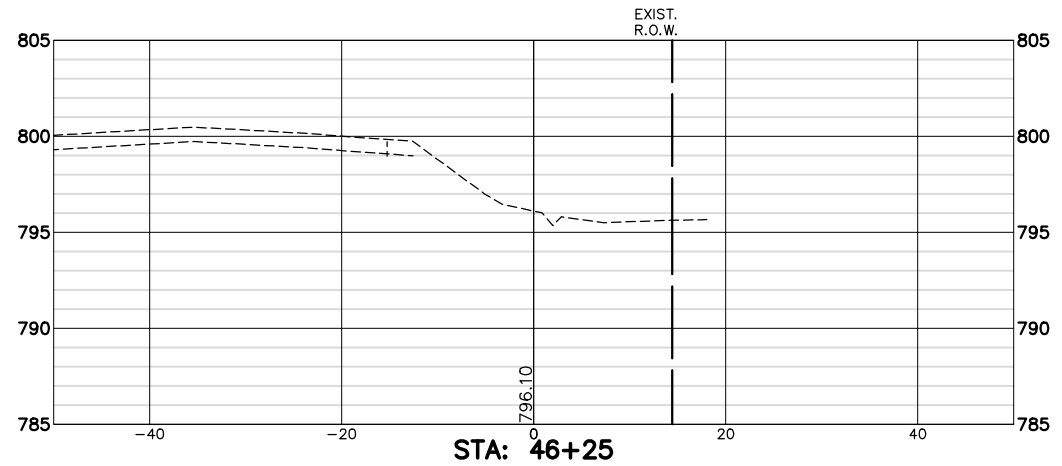
SCALE AS NOTED | SHEET NO. 19 OF 28 SHEETS | STA. 43+50 TO STA. 44+75

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	106
CONTRACT #			61H66	

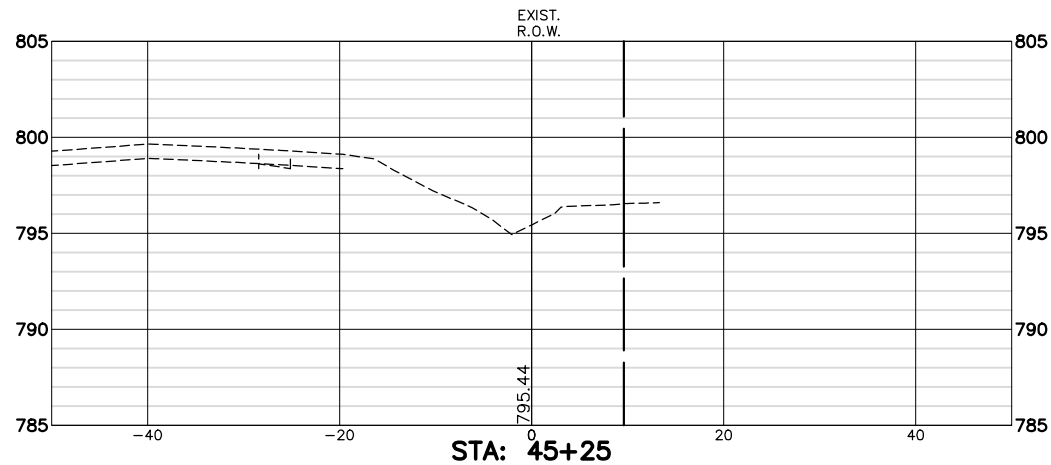
ILLINOIS FED. AID PROJECT



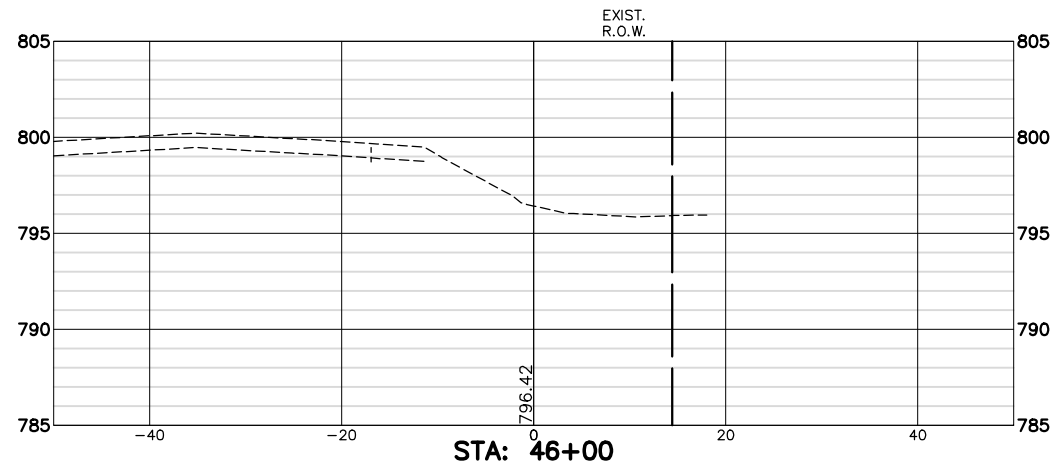
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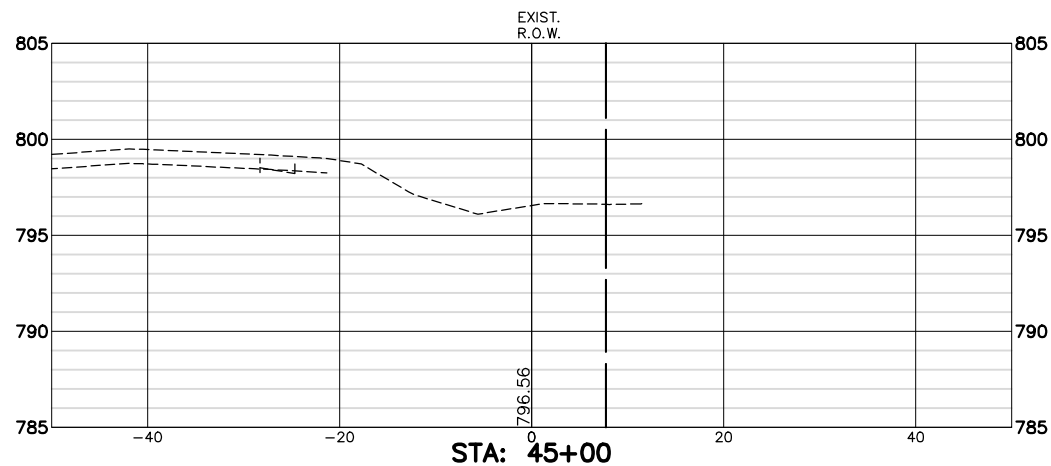
CUT: 0.00 SF  
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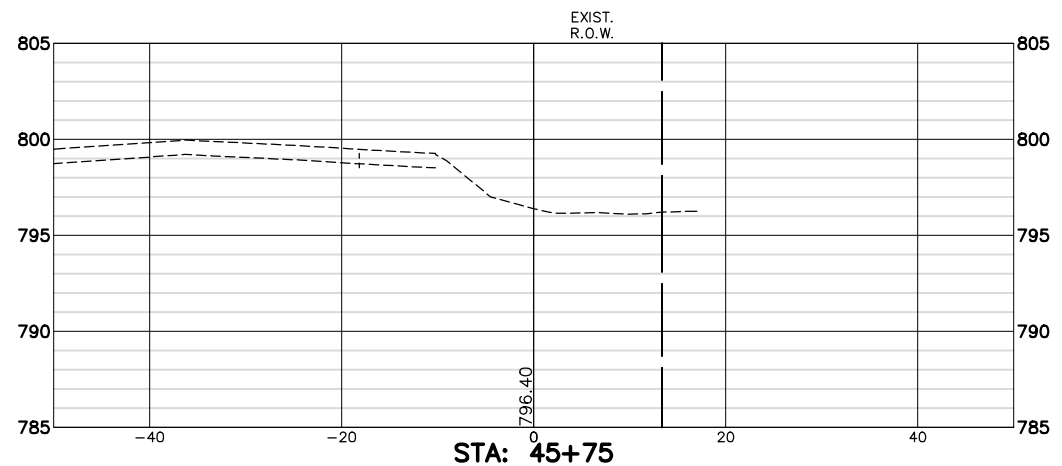
CUT: 0.00 SF  
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CUT: 0.00 SF  
 FILL: 0.00 SF



CUT: 0.00 SF  
 FILL: 0.00 SF



CUT: 0.00 SF  
 FILL: 0.00 SF

FILE NAME = 4370.120-PR1.dwg

USER NAME = DOMINIC OLESAK

DESIGNED - MGFC

REVISED -

PLOT SCALE = 1" = .1667'

DRAWN - PJS

REVISED -

PLOT DATE = 2/14/2022 10:09 AM

CHECKED - MGFC

REVISED -

DATE - 2/11/2022

REVISED -

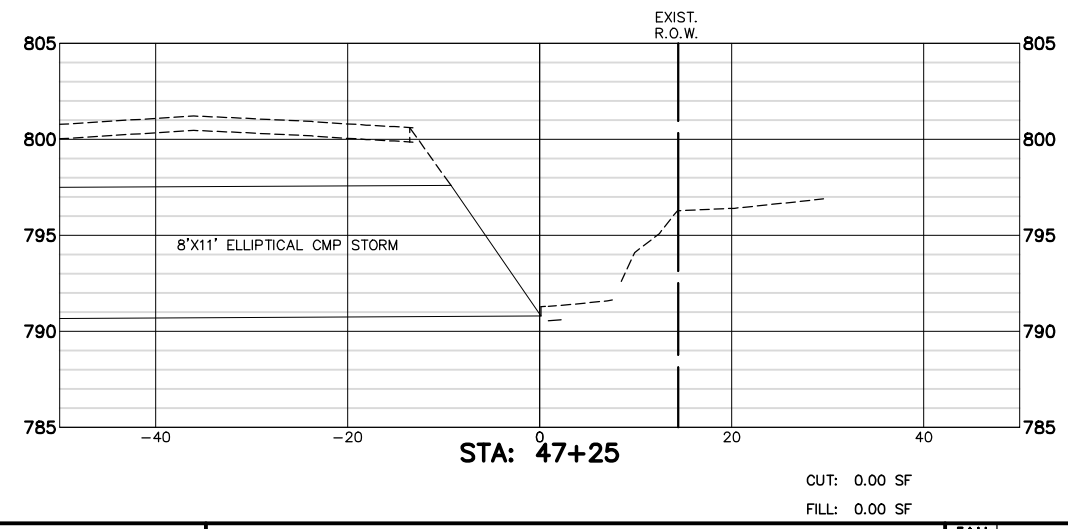
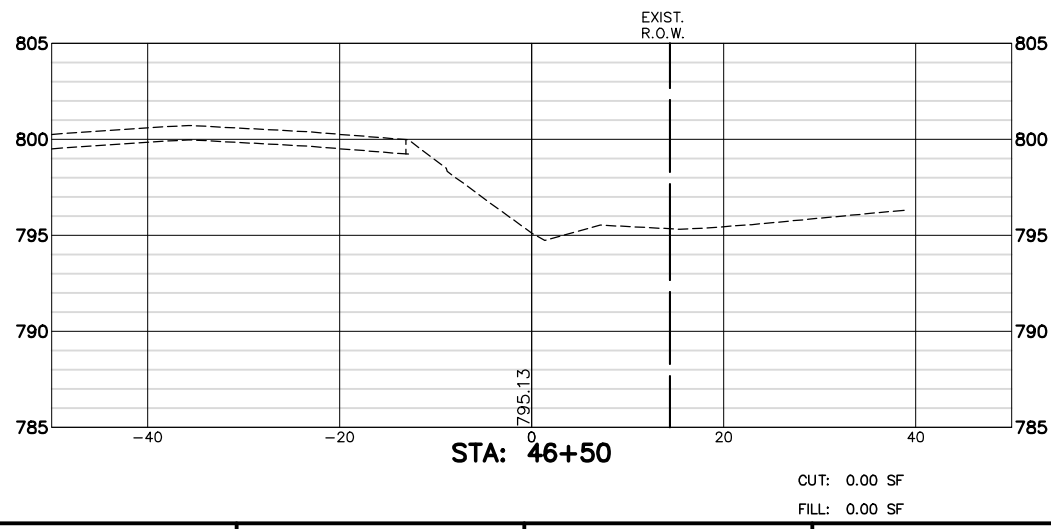
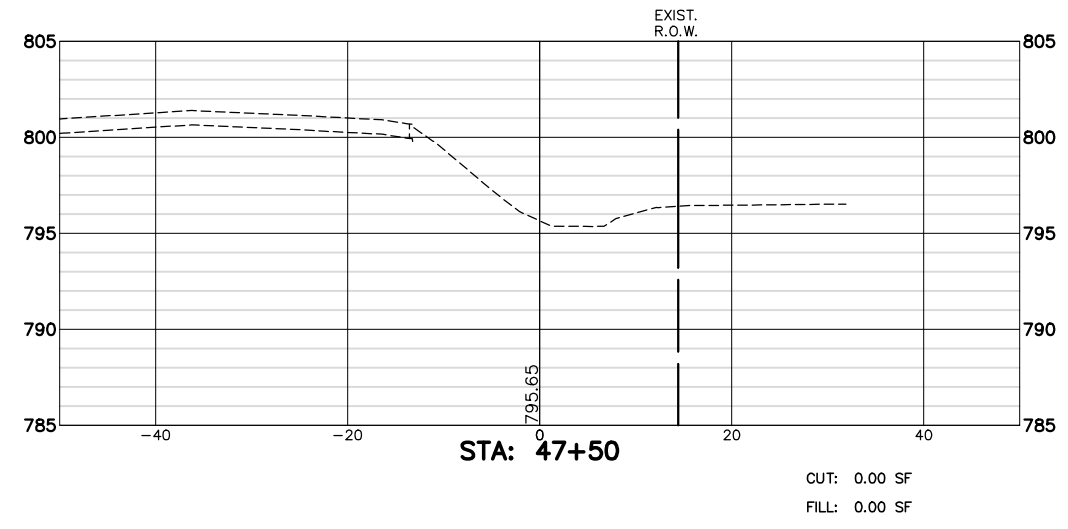
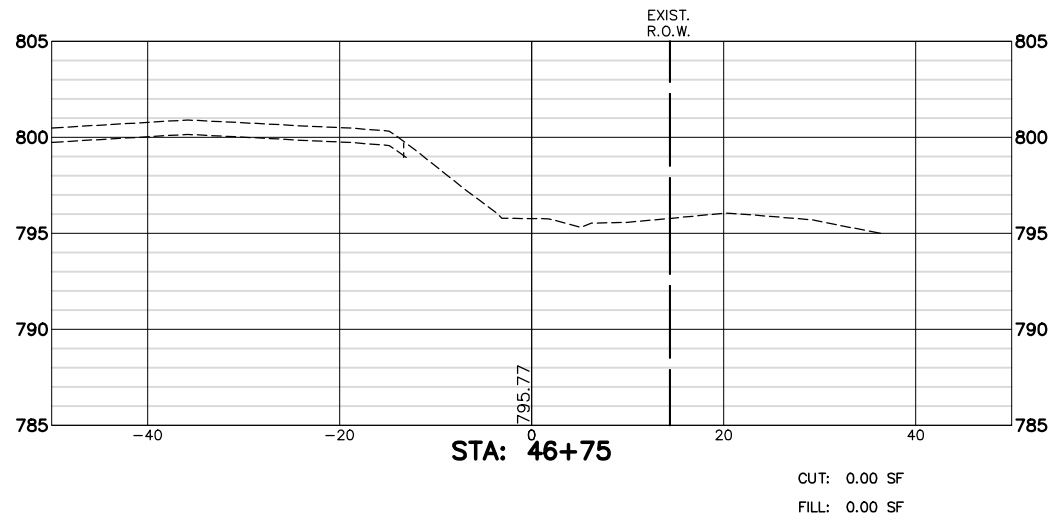
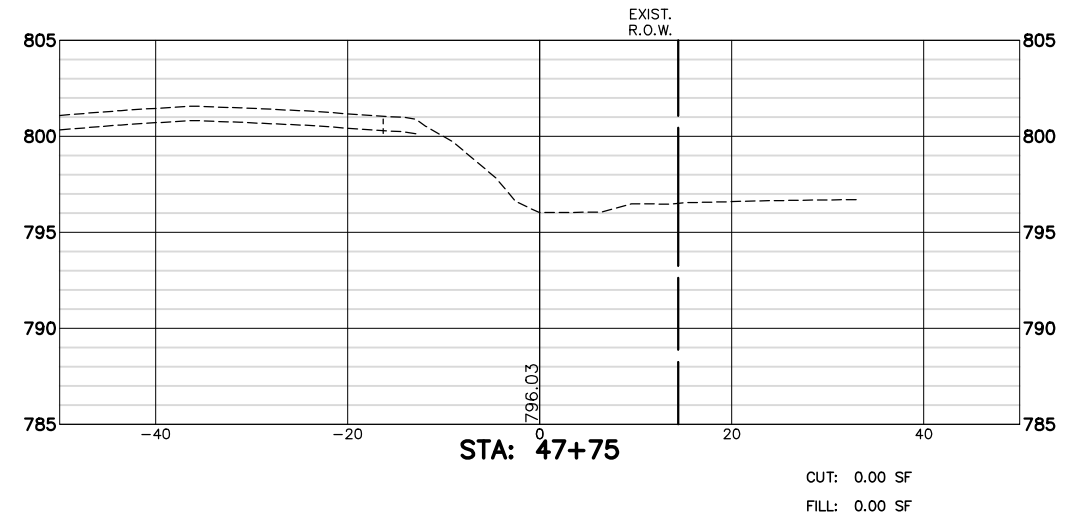
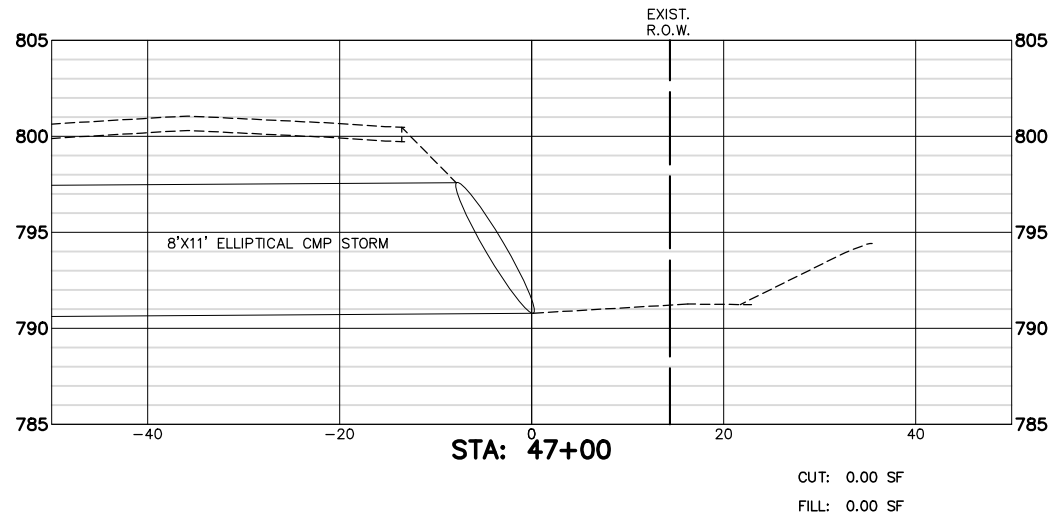
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

HART ROAD PATH CROSS SECTIONS  
 ITEP PEDESTRIAN PATH IMPROVEMENTS

SCALE AS NOTED SHEET NO. 20 OF 28 SHEETS STA. 45+00 TO STA. 46+25

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	107
CONTRACT #			61H66	

ILLINOIS FED. AID PROJECT



FILE NAME = 4370.120-PR1.dwg  
 USER NAME = DOMINIC OLESAK  
 PLOT SCALE = 1" = .1667'  
 PLOT DATE = 2/14/2022 10:09 AM

DESIGNED - MGFC  
 DRAWN - PJS  
 CHECKED - MGFC  
 DATE - 2/11/2022

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

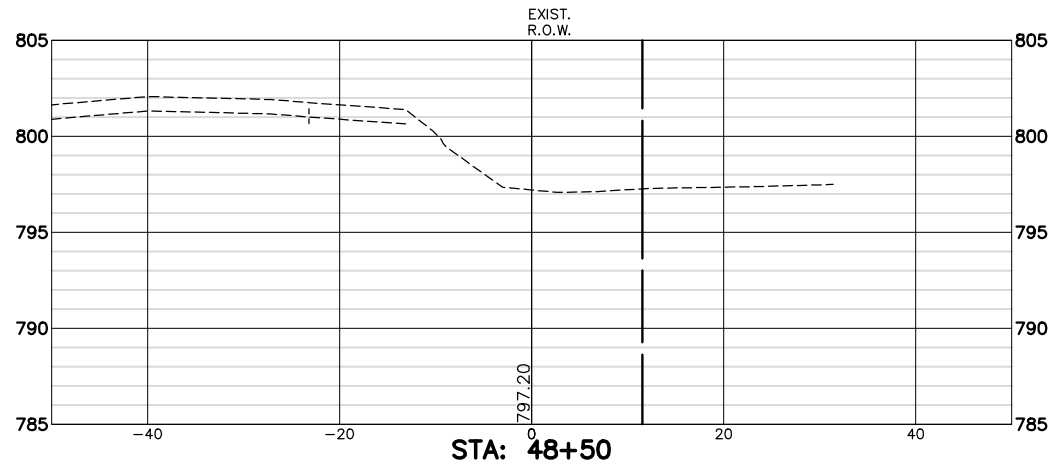
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**HART ROAD PATH CROSS SECTIONS  
 ITEP PEDESTRIAN PATH IMPROVEMENTS**

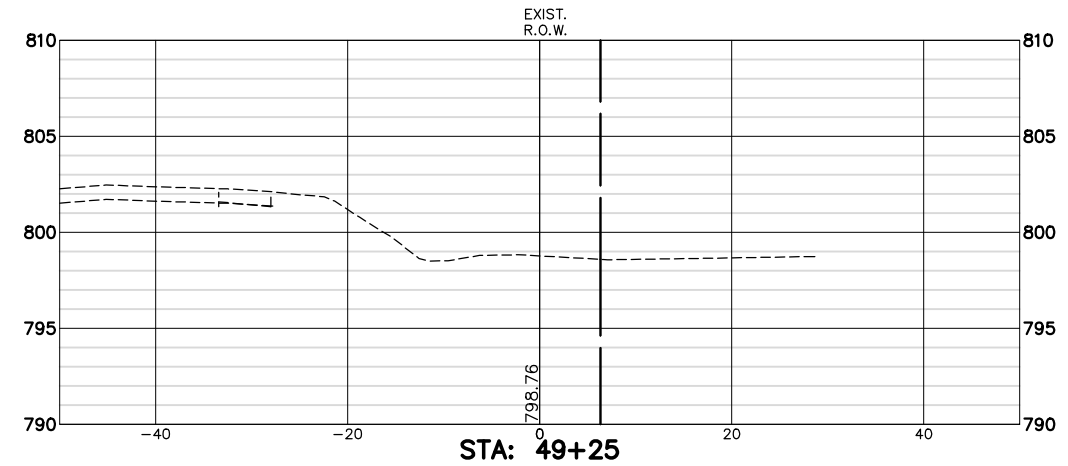
SCALE AS NOTED | SHEET NO. 21 OF 28 SHEETS | STA. 46+50 TO STA. 47+75

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	108
CONTRACT #			61H66	

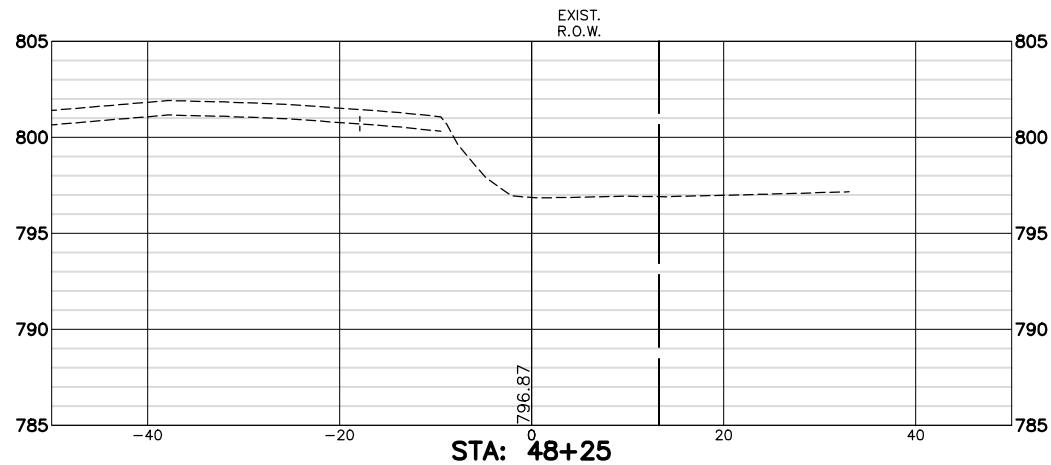
ILLINOIS FED. AID PROJECT



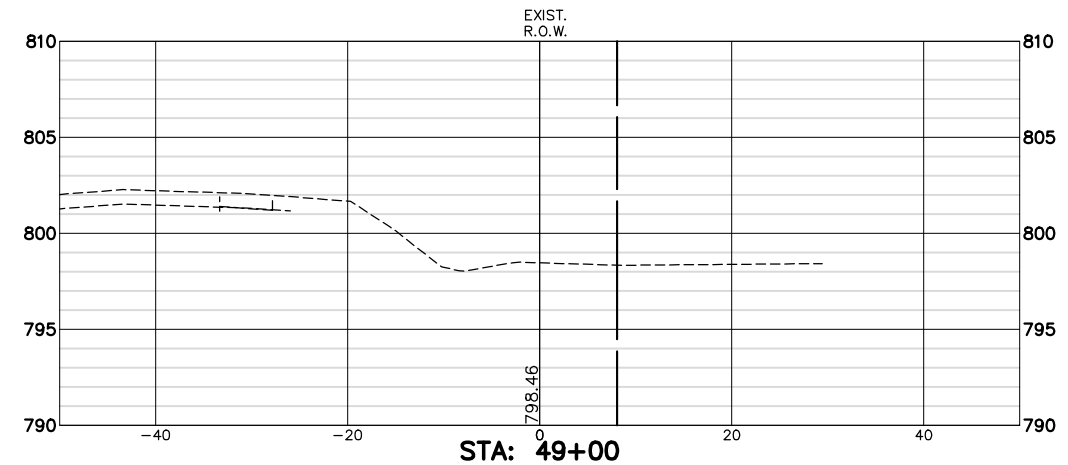
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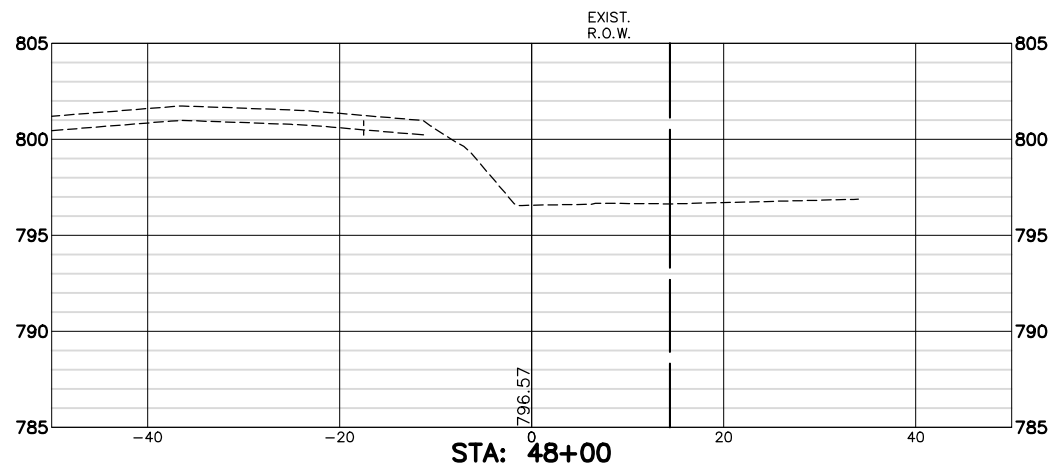
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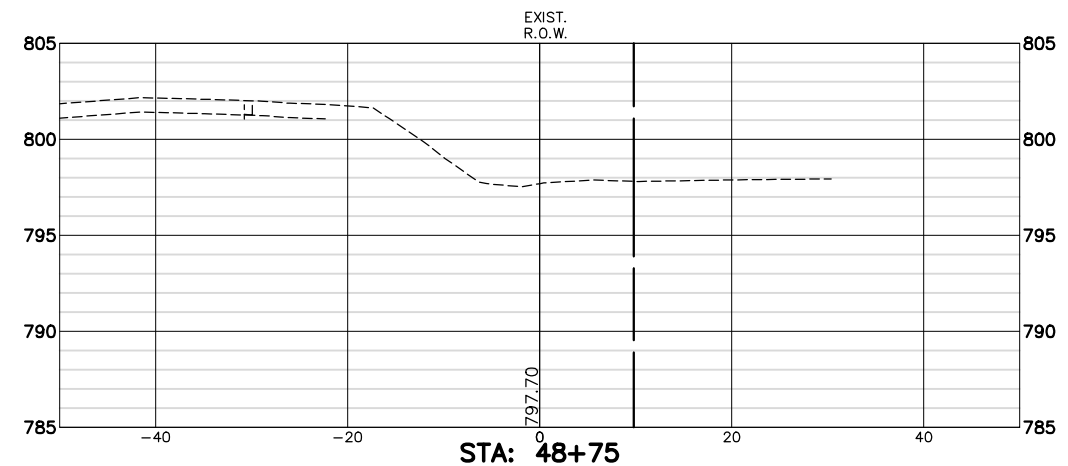
CUT: 0.00 SF  
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CUT: 0.00 SF  
 FILL: 0.00 SF



CUT: 0.00 SF  
 FILL: 0.00 SF



CUT: 0.00 SF  
 FILL: 0.00 SF

FILE NAME = 4370.120-PR1.dwg

USER NAME = DOMINIC OLESAK

DESIGNED - MGFC

REVISED -

PLOT SCALE = 1" = .1667'

DRAWN - PJS

REVISED -

PLOT DATE = 2/14/2022 10:09 AM

CHECKED - MGFC

REVISED -

DATE - 2/11/2022

REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

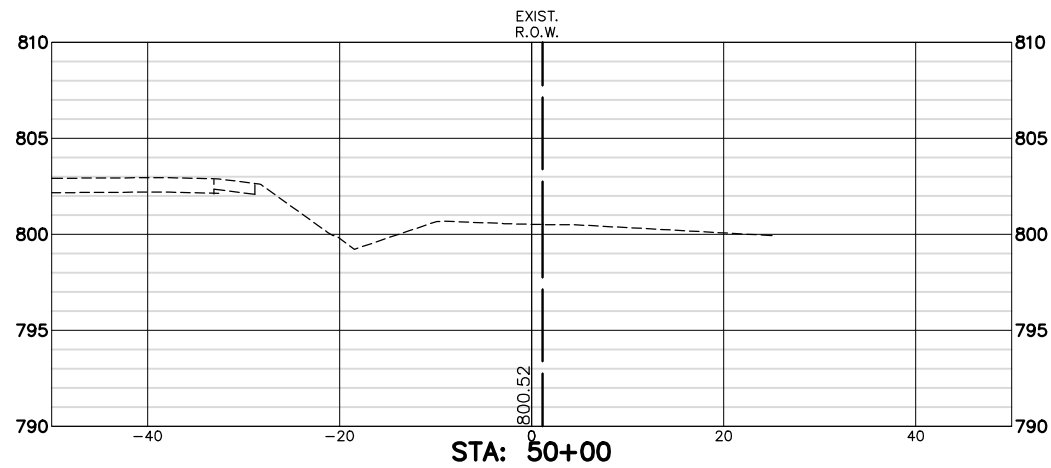
HART ROAD PATH CROSS SECTIONS  
 ITEP PEDESTRIAN PATH IMPROVEMENTS

SCALE AS NOTED SHEET NO. 22 OF 28 SHEETS STA. 48+00 TO STA. 49+25

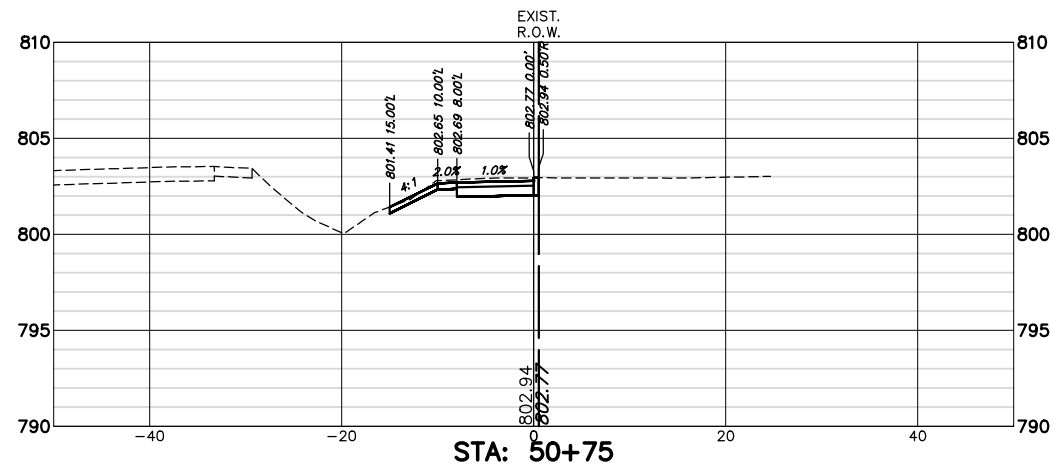
FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	109
CONTRACT #			61H66	

ILLINOIS FED. AID PROJECT

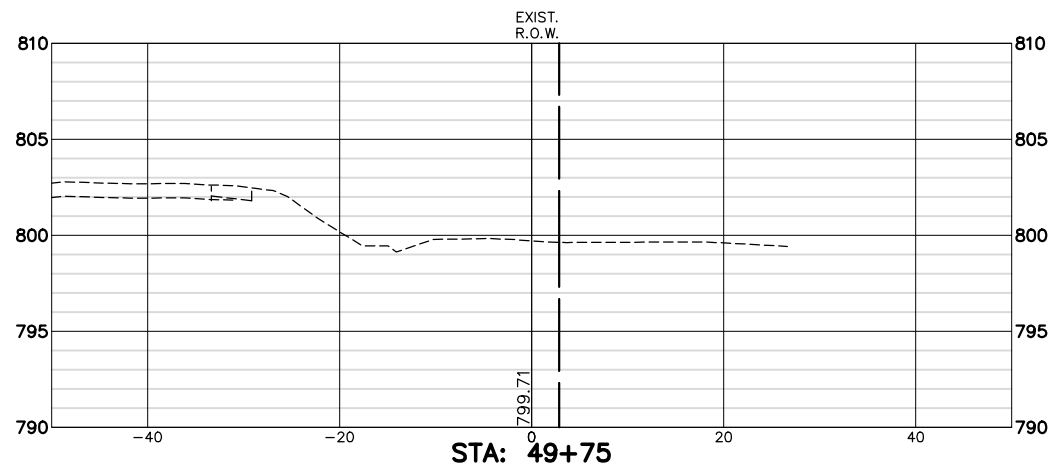
END OMISSION  
 STA. 50+02.04



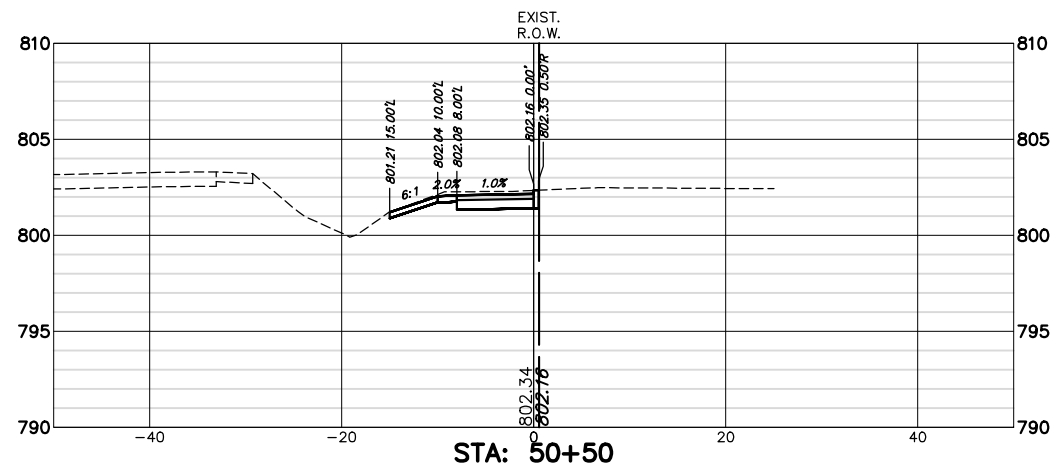
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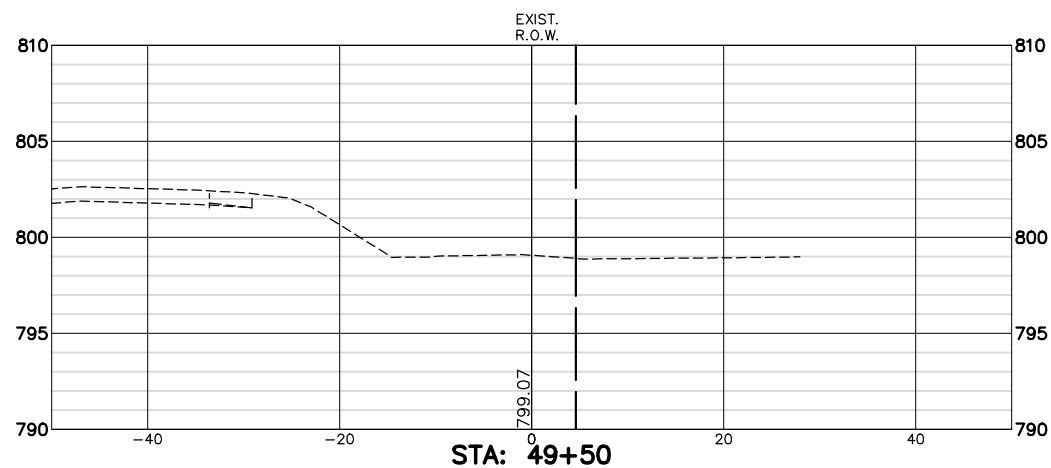
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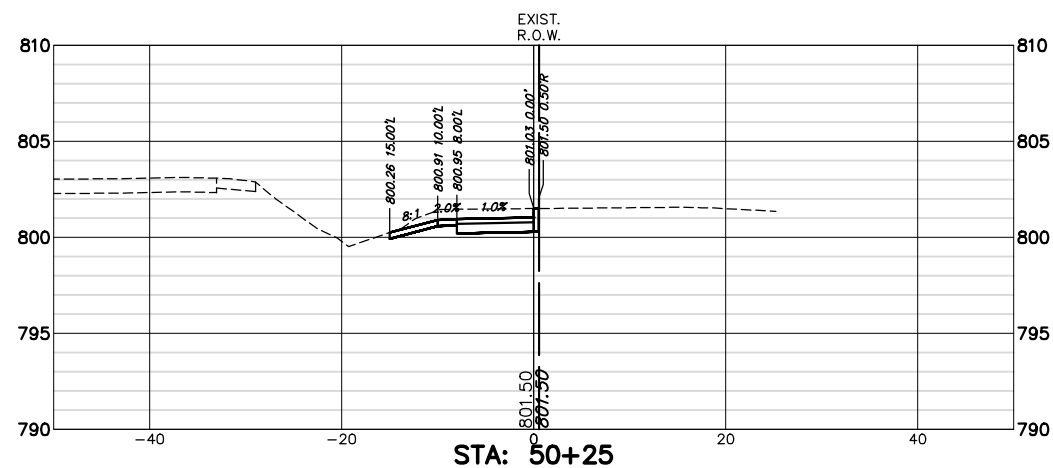
CUT: 0.00 SF  
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CUT: 10.73 SF  
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CUT: 0.00 SF  
 FILL: 0.00 SF



CUT: 15.25 SF  
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FILE NAME = 4370.120-PR1.dwg

USER NAME = DOMINIC OLESAK

DESIGNED - MGFC

REVISED -

PLOT SCALE = 1" = .1667'

DRAWN - PJS

REVISED -

PLOT DATE = 2/14/2022 10:09 AM

CHECKED - MGFC

REVISED -

DATE - 2/11/2022

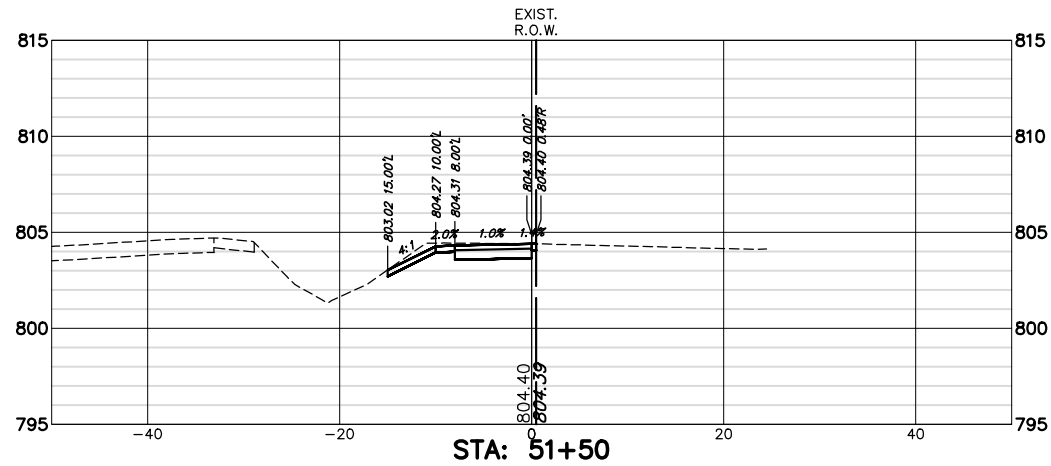
REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

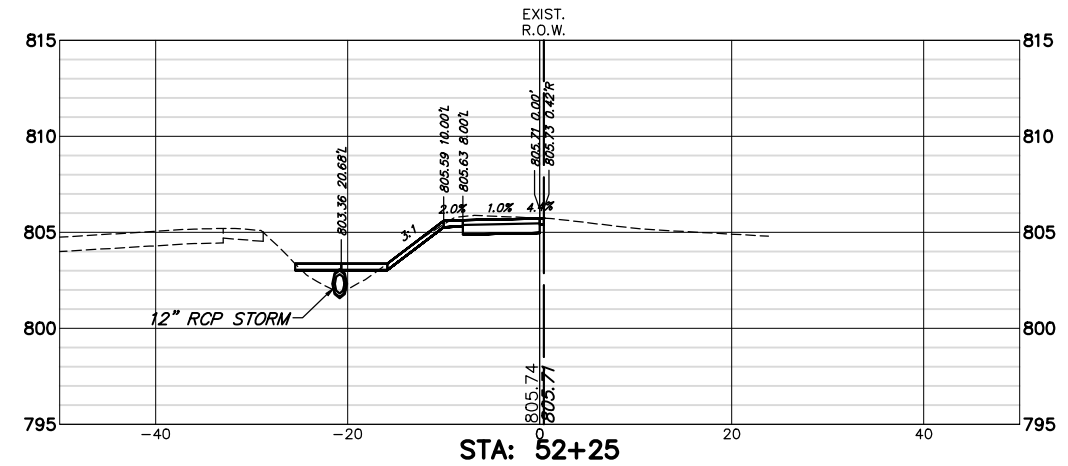
HART ROAD PATH CROSS SECTIONS  
 ITEP PEDESTRIAN PATH IMPROVEMENTS

SCALE AS NOTED SHEET NO. 23 OF 28 SHEETS STA. 49+50 TO STA. 50+75

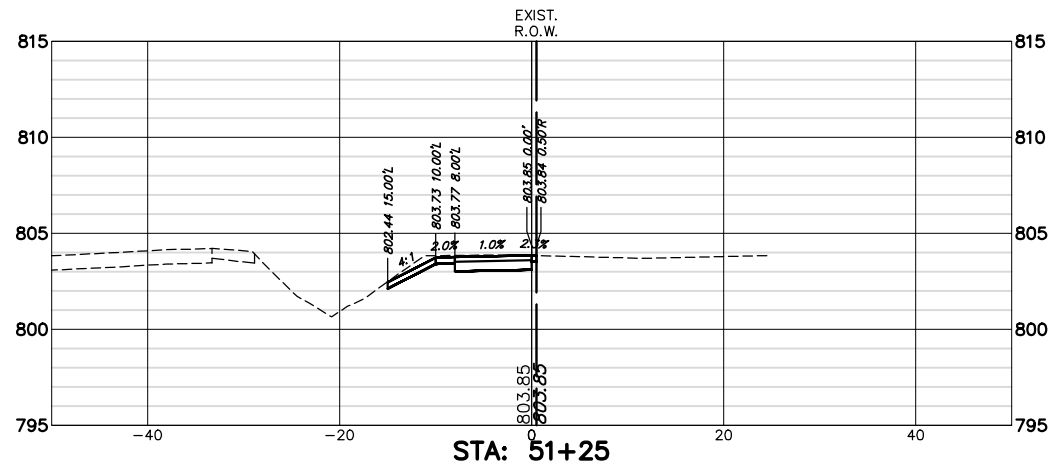
FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	110
CONTRACT #			61H66	
ILLINOIS FED. AID PROJECT				



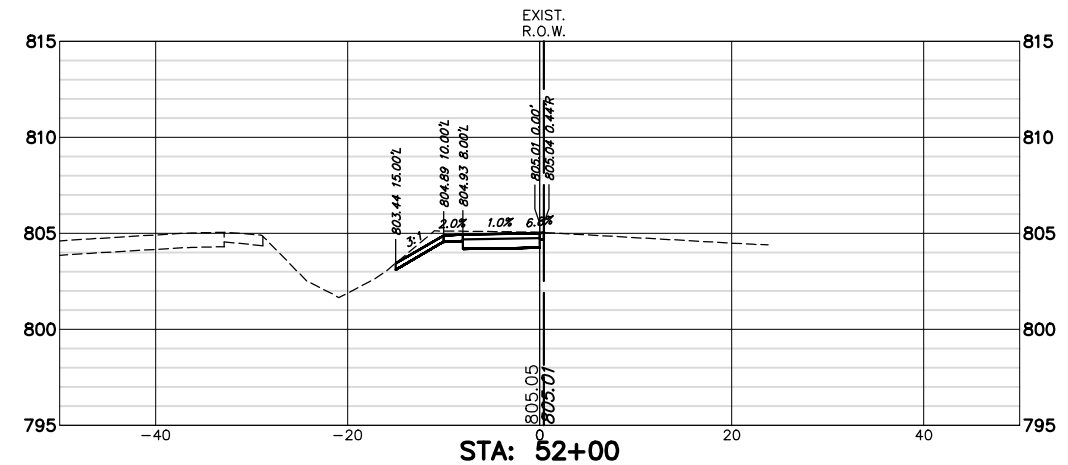
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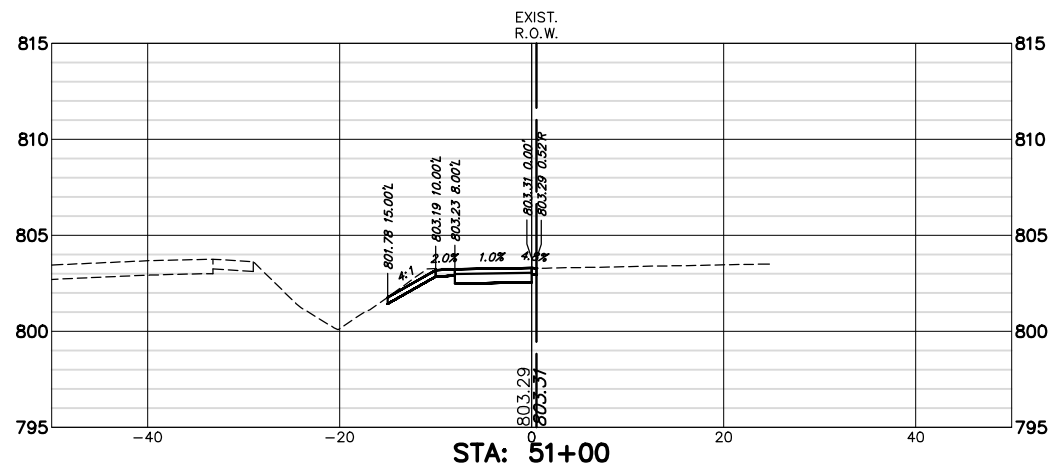
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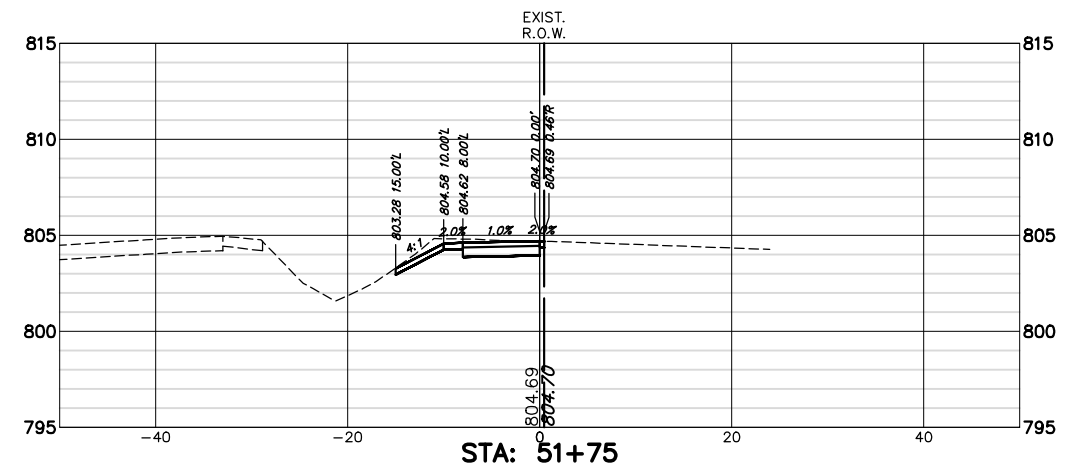
CUT: 10.13 SF  
 FILL: 0.00 SF



CUT: 11.22 SF  
 FILL: 0.00 SF



CUT: 9.52 SF  
 FILL: 0.00 SF



CUT: 10.92 SF  
 FILL: 0.00 SF

FILE NAME = 4370.120-PR1.dwg

USER NAME = DOMINIC OLESAK

DESIGNED - MGFC

REVISED -

PLOT SCALE = 1" = .1667'

DRAWN - PJS

REVISED -

PLOT DATE = 2/14/2022 10:09 AM

CHECKED - MGFC

REVISED -

DATE - 2/11/2022

REVISED -

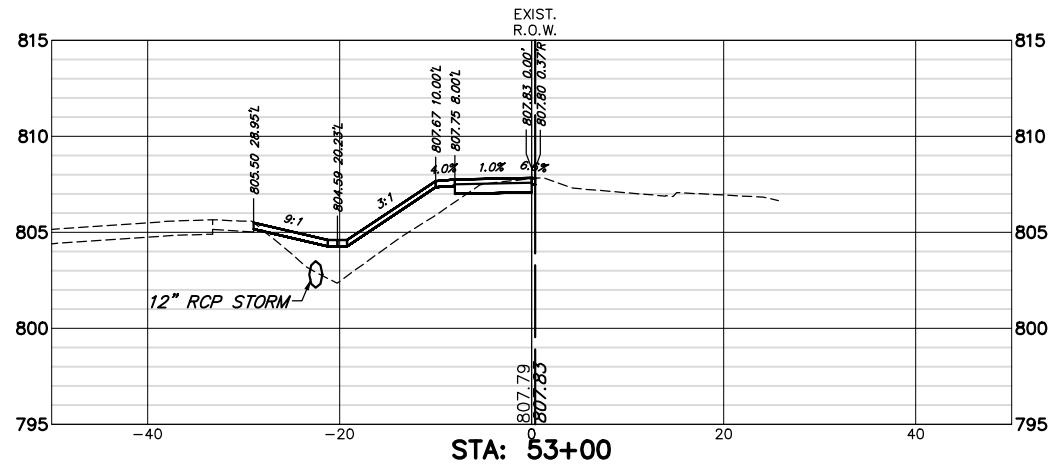
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

HART ROAD PATH CROSS SECTIONS  
 ITEP PEDESTRIAN PATH IMPROVEMENTS

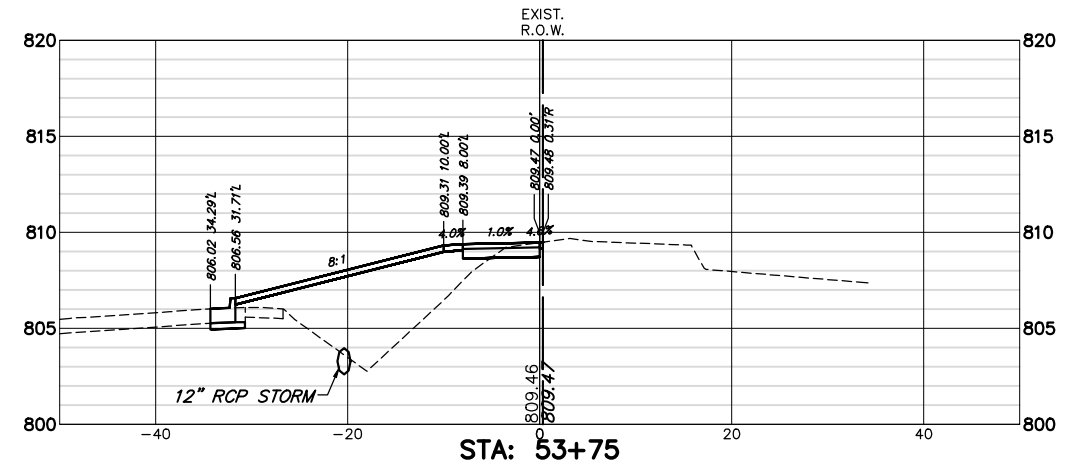
SCALE AS NOTED SHEET NO. 24 OF 28 SHEETS STA. 51+00 TO STA. 52+25

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	111
CONTRACT #			61H66	

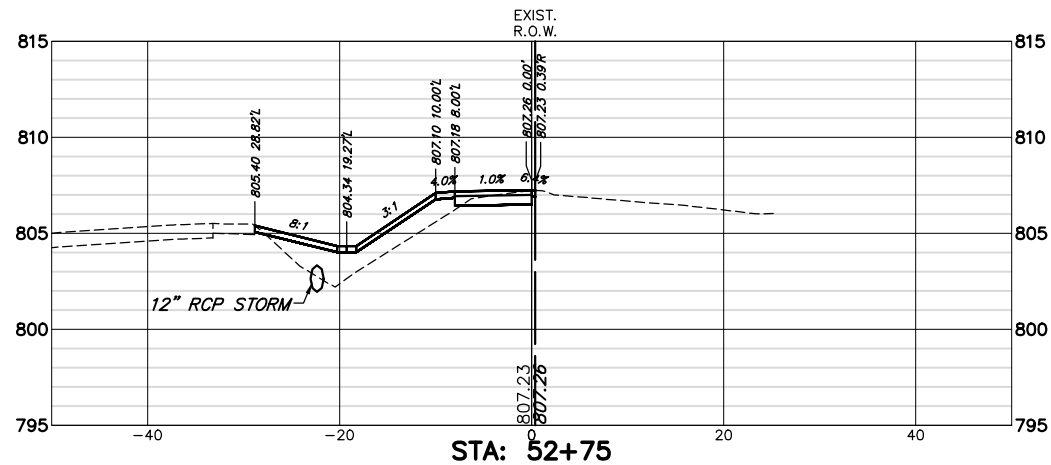
ILLINOIS FED. AID PROJECT



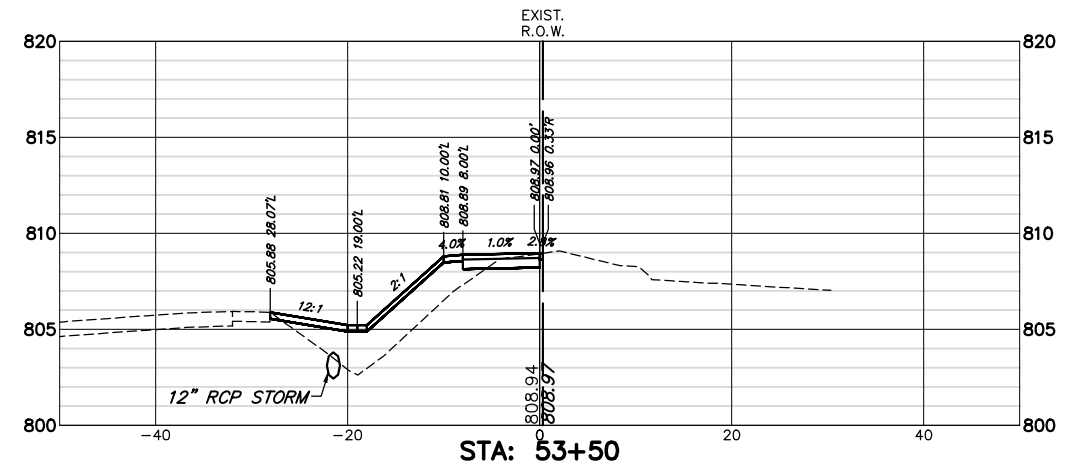
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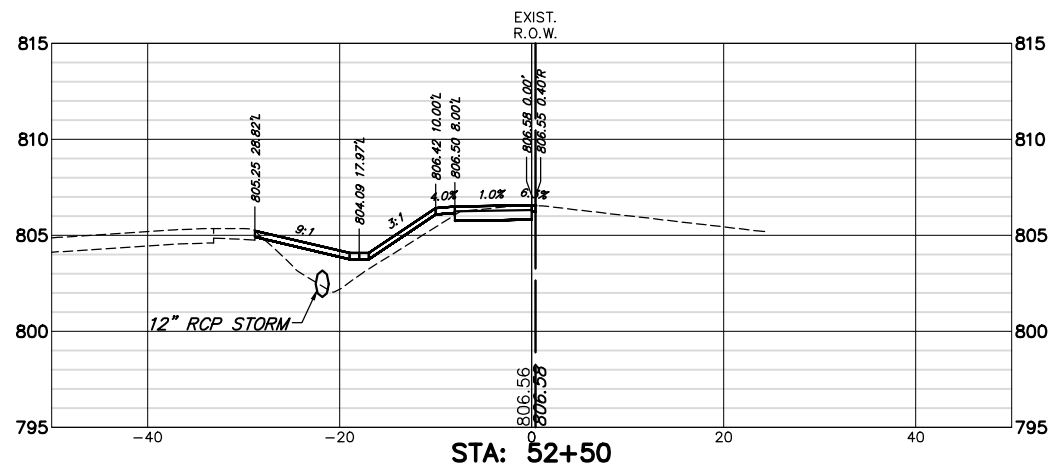
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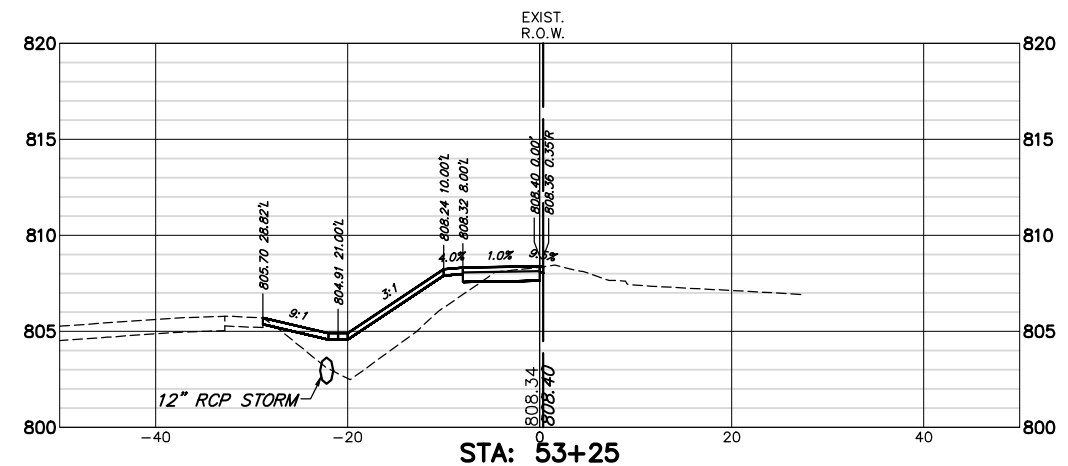
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CUT: 3.15 SF  
 FILL: 31.11 SF



CUT: 5.28 SF  
 FILL: 17.27 SF



CUT: 3.44 SF  
 FILL: 31.03 SF

FILE NAME = 4370.120-PR1.dwg  
 USER NAME = DOMINIC OLESAK  
 PLOT SCALE = 1" = .1667'  
 PLOT DATE = 2/14/2022 10:09 AM

DESIGNED - MGFC  
 DRAWN - PJS  
 CHECKED - MGFC  
 DATE - 2/11/2022

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 REVISED -  
 REVISED -

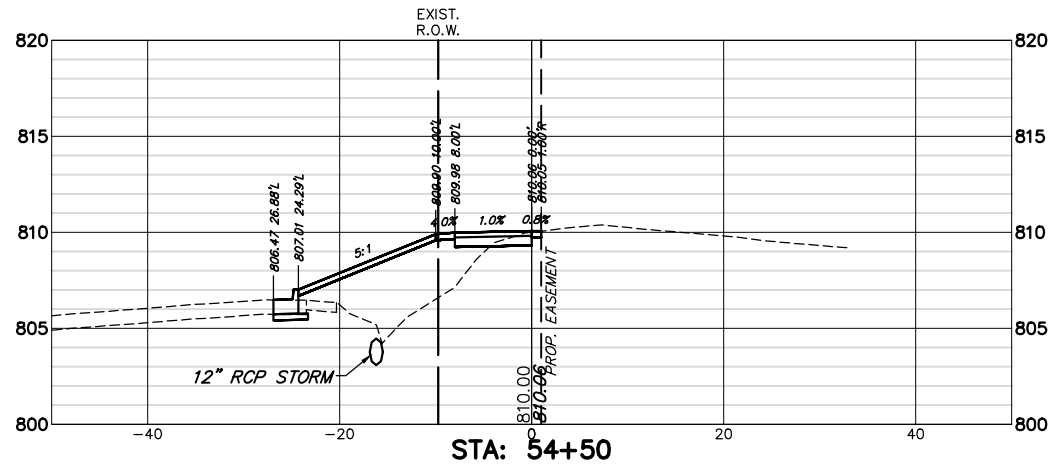
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

HART ROAD PATH CROSS SECTIONS  
 ITEP PEDESTRIAN PATH IMPROVEMENTS

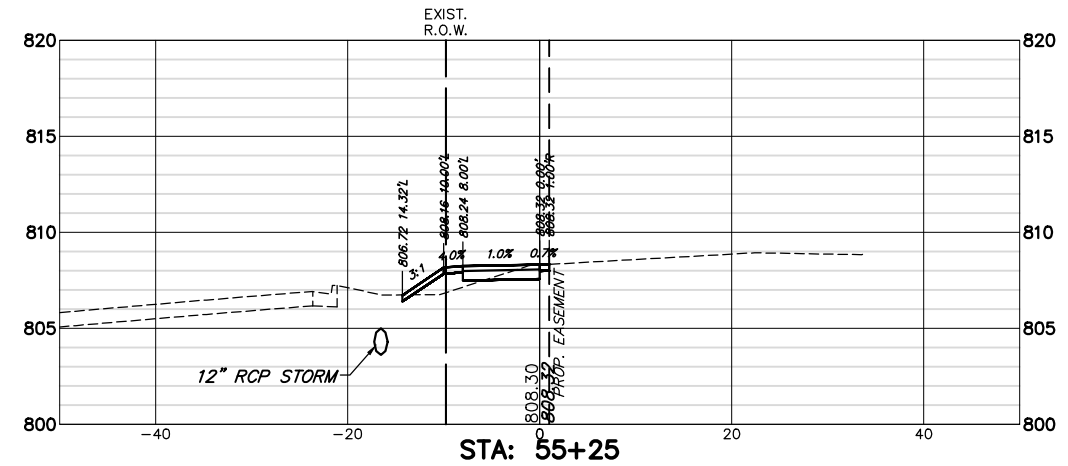
SCALE AS NOTED | SHEET NO. 25 OF 28 SHEETS | STA. 52+50 TO STA. 53+75

FAU RTE 2549 1270	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 112
CONTRACT # 61H66			ILLINOIS FED. AID PROJECT	

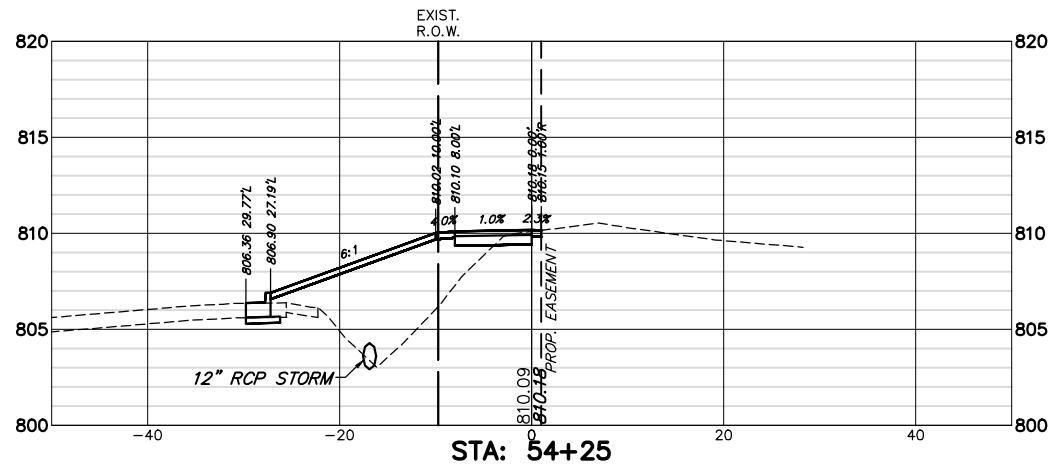




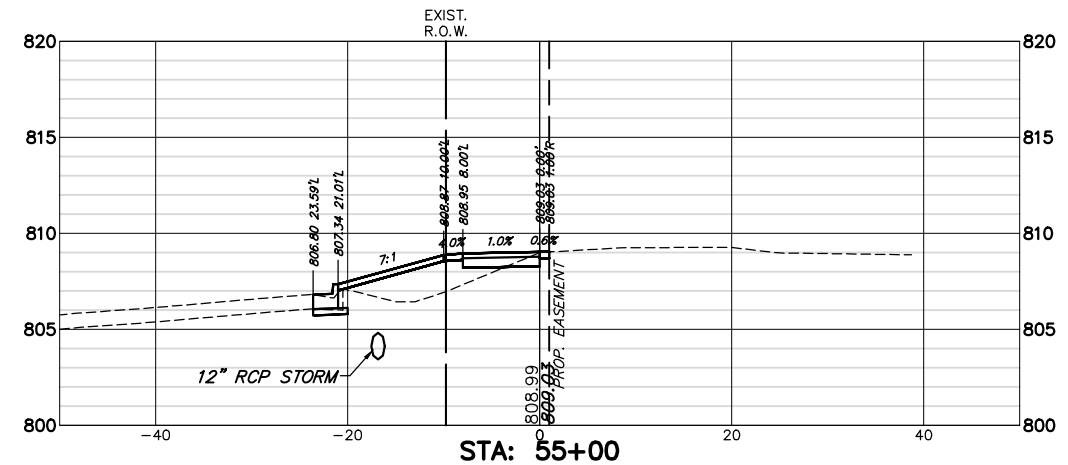
CUT: 5.84 SF  
 FILL: 42.55 SF



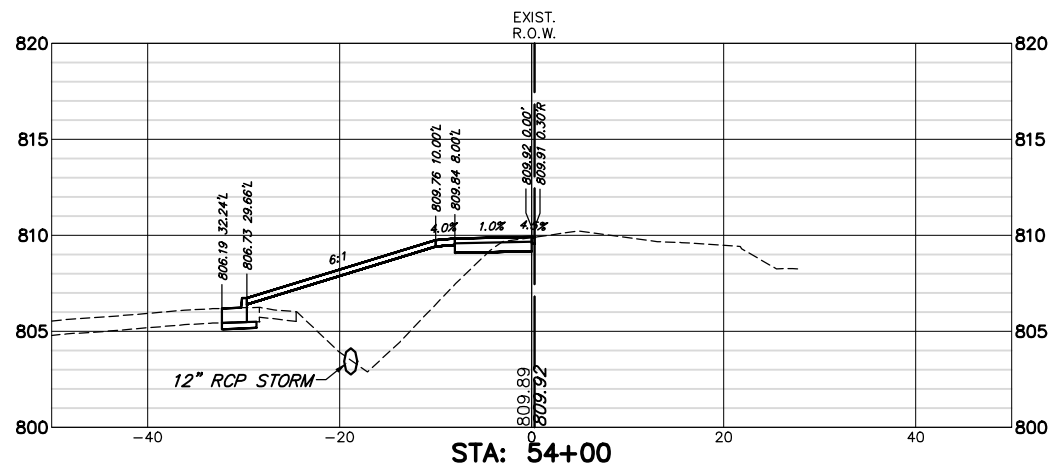
CUT: 2.97 SF  
 FILL: 3.94 SF



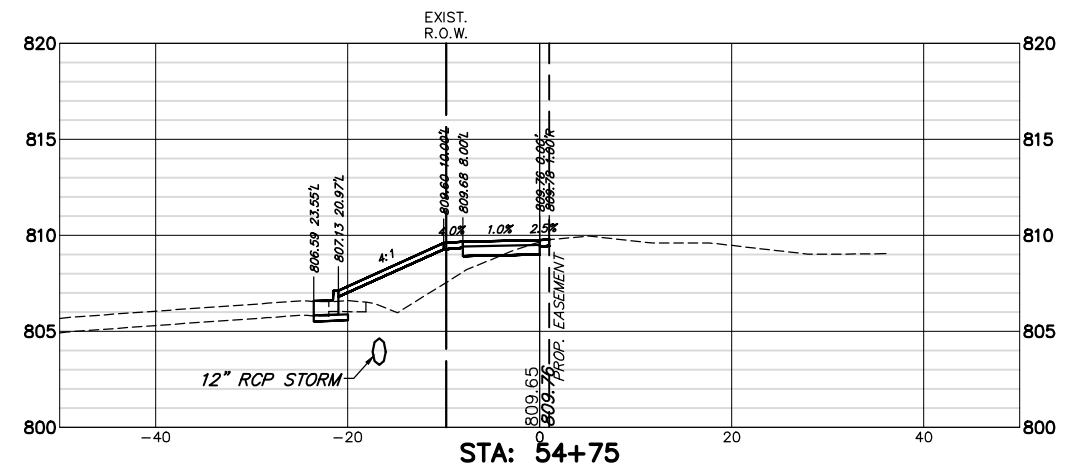
CUT: 5.96 SF  
 FILL: 63.40 SF



CUT: 5.40 SF  
 FILL: 16.70 SF



CUT: 6.35 SF  
 FILL: 66.75 SF



CUT: 5.30 SF  
 FILL: 20.59 SF

FILE NAME = 4370.120-PR1.dwg  
 USER NAME = DOMINIC OLESAK  
 PLOT SCALE = 1" = .1667'  
 PLOT DATE = 2/14/2022 10:09 AM

DESIGNED - MGFC  
 DRAWN - PJS  
 CHECKED - MGFC  
 DATE - 2/11/2022

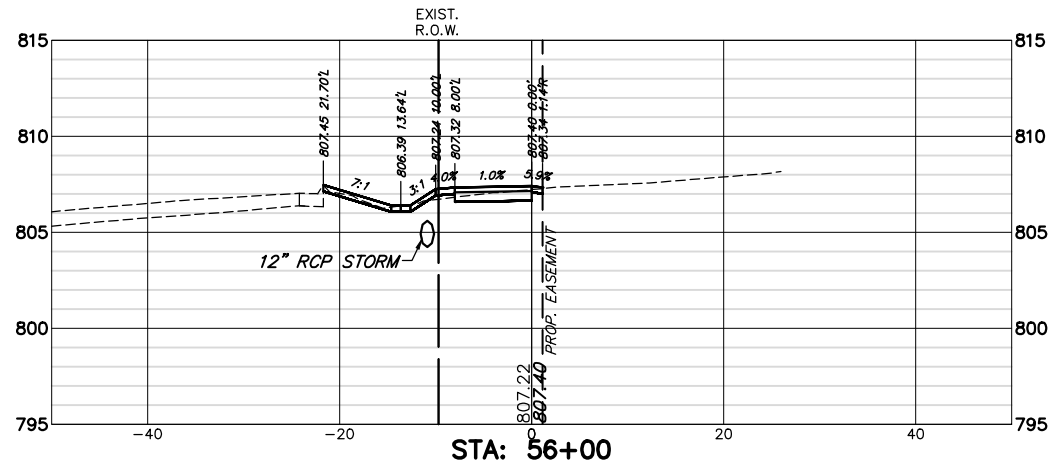
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

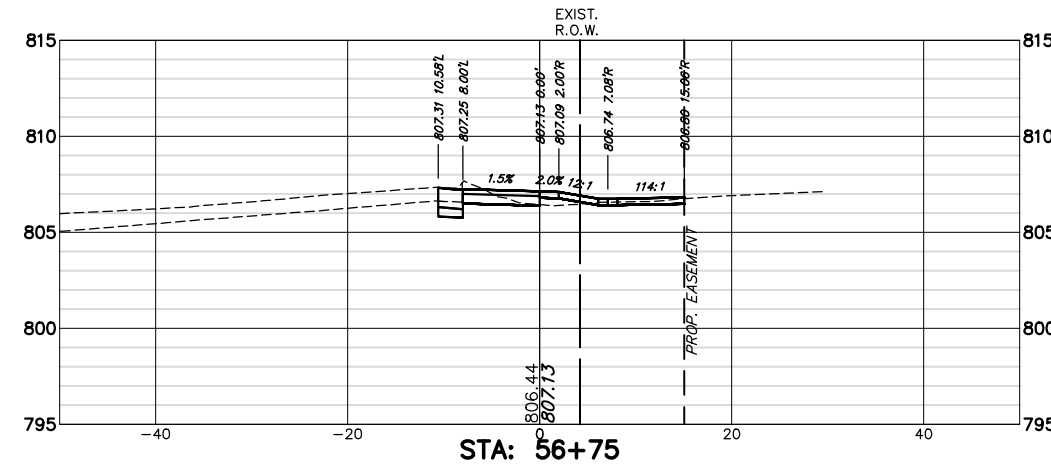
HART ROAD PATH CROSS SECTIONS  
 ITEP PEDESTRIAN PATH IMPROVEMENTS

FALL RTE 2549 1270	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 113
SCALE AS NOTED			CONTRACT # 61H66	
SHEET NO. 26 OF 28 SHEETS			ILLINOIS FED. AID PROJECT	

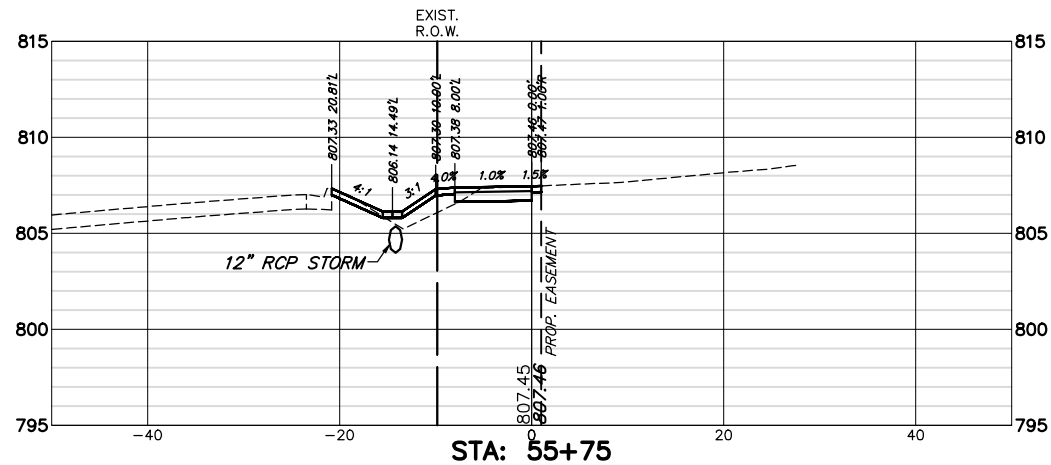
STA. 54+00 TO STA. 55+25



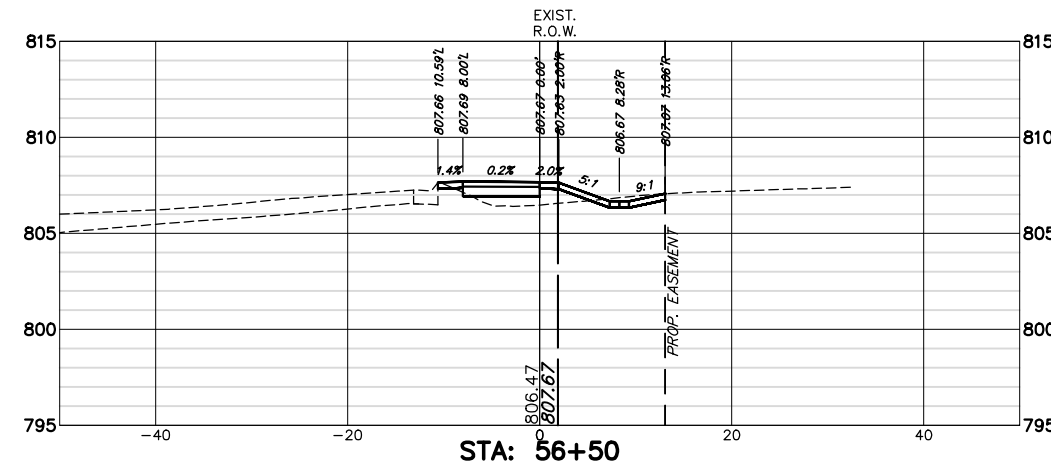
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 FILL: 0.47 SF



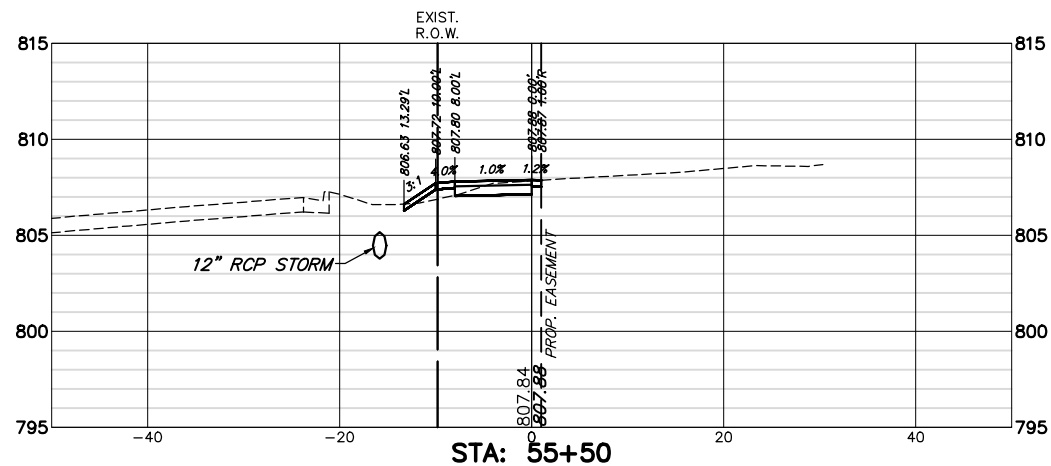
CUT: 9.45 SF  
 FILL: 1.33 SF



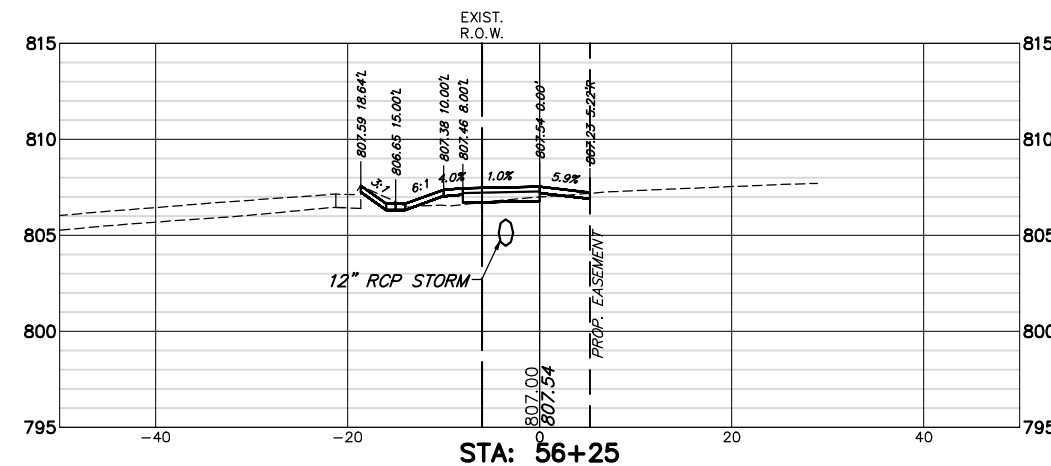
CUT: 6.34 SF  
 FILL: 4.63 SF



CUT: 3.62 SF  
 FILL: 5.96 SF



CUT: 4.47 SF  
 FILL: 1.51 SF



CUT: 3.33 SF  
 FILL: 2.07 SF

FILE NAME = 4370.120-PR1.dwg  
 USER NAME = DOMINIC OLESAK  
 PLOT SCALE = 1" = .1667'  
 PLOT DATE = 2/14/2022 10:10 AM

DESIGNED - MGFC  
 DRAWN - PJS  
 CHECKED - MGFC  
 DATE - 2/11/2022

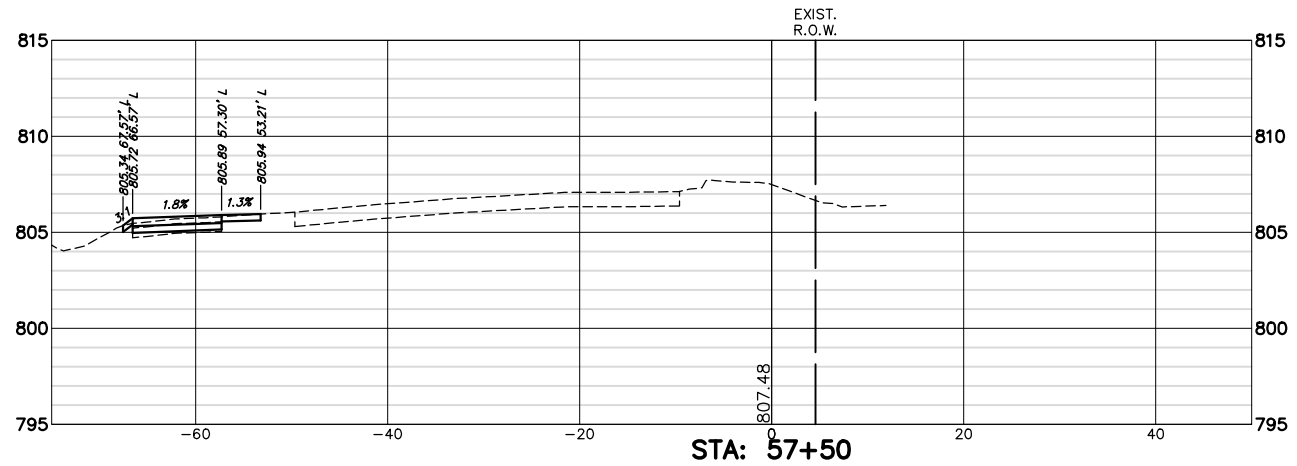
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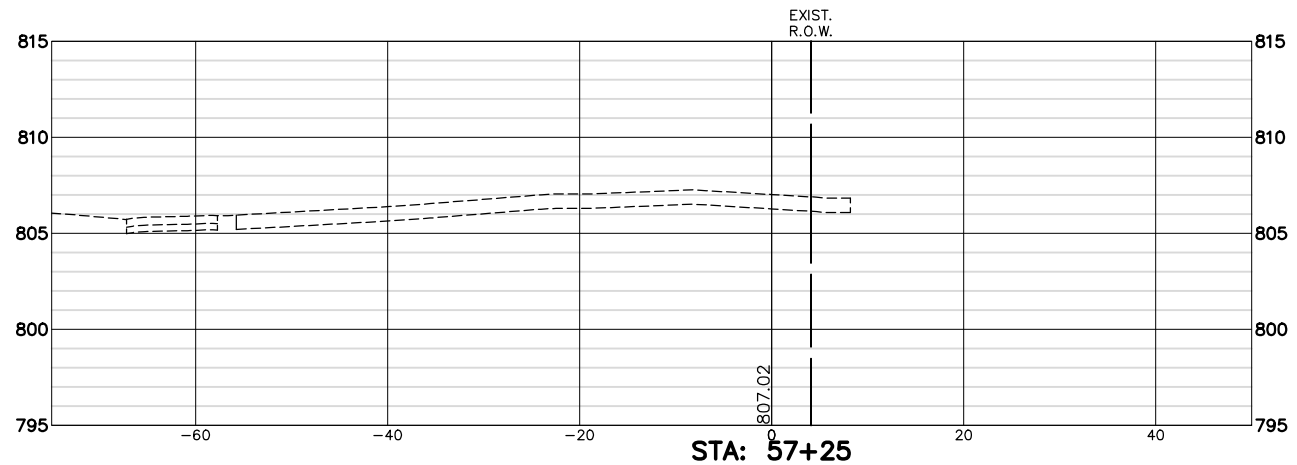
HART ROAD PATH CROSS SECTIONS  
 ITEP PEDESTRIAN PATH IMPROVEMENTS

SCALE AS NOTED | SHEET NO. 27 OF 28 SHEETS | STA. 55+50 TO STA. 56+75

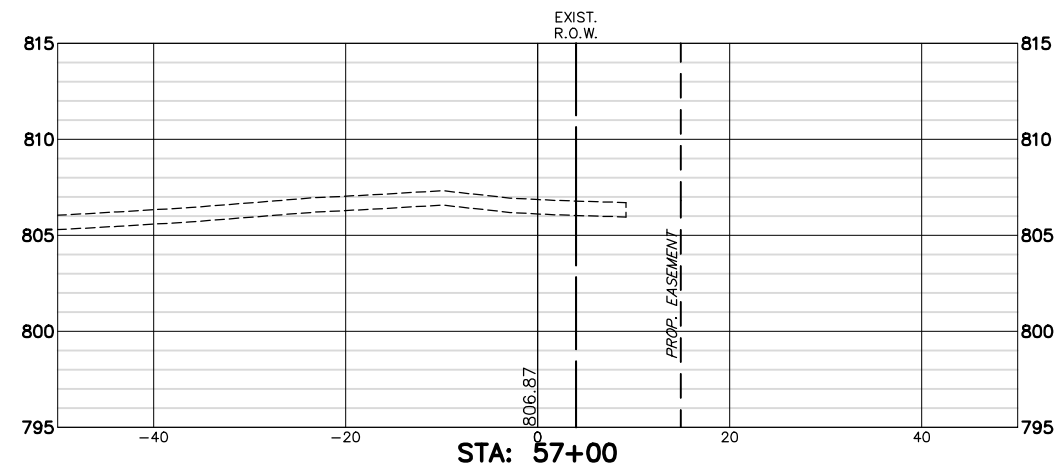
FALL RTE 2549 1270	SECTION 13-00091-00-BT	COUNTY LAKE	TOTAL SHEETS 115	SHEET NO. 114
CONTRACT #			61H66	
ILLINOIS FED. AID PROJECT				



CUT: 4.66 SF  
 FILL: 0.00 SF



CUT: 0.00 SF  
 FILL: 0.00 SF



CUT: 0.00 SF  
 FILL: 0.00 SF

FILE NAME = 4370.120-PR1.dwg

USER NAME = DOMINIC OLESAK

DESIGNED - MGFC

REVISED -

DRAWN - PJS

REVISED -

CHECKED - MGFC

REVISED -

DATE - 2/11/2022

REVISED -

PLOT SCALE = 1" = .1667'

PLOT DATE = 2/14/2022 10:10 AM

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

HART ROAD PATH CROSS SECTIONS  
 ITEP PEDESTRIAN PATH IMPROVEMENTS

SCALE AS NOTED SHEET NO. 28 OF 28 SHEETS STA. 57+00 TO STA. 57+50

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2549 1270	13-00091-00-BT	LAKE	115	115
CONTRACT #			61H66	

ILLINOIS FED. AID PROJECT