

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2781	16-00054-00-BT	COOK	22	1
E.H.W.A. 3RD. ILLINOIS PROJECT 7BV4 258				
CONTRACT NO. 61E20				

1/19/2018 LETTING ITEM 101

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY

FAU 2781 (RIDGELAND AVENUE)  
135TH STREET TO COLLEGE DRIVE

BIKE/PEDESTRIAN PATH LANDSCAPING  
SECTION NO. 16-00054-00-BT  
PROJECT 7BV4 (258)  
CITY OF PALOS HEIGHTS  
COOK COUNTY  
JOB NO. C-91-297-16

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

**MINOR ARTERIAL**

23,400 ADT (2014)  
1.92% TRUCKS  
POSTED SPEED LIMIT = 40 MPH



LOCATION OF SECTION INDICATED THIS: —

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

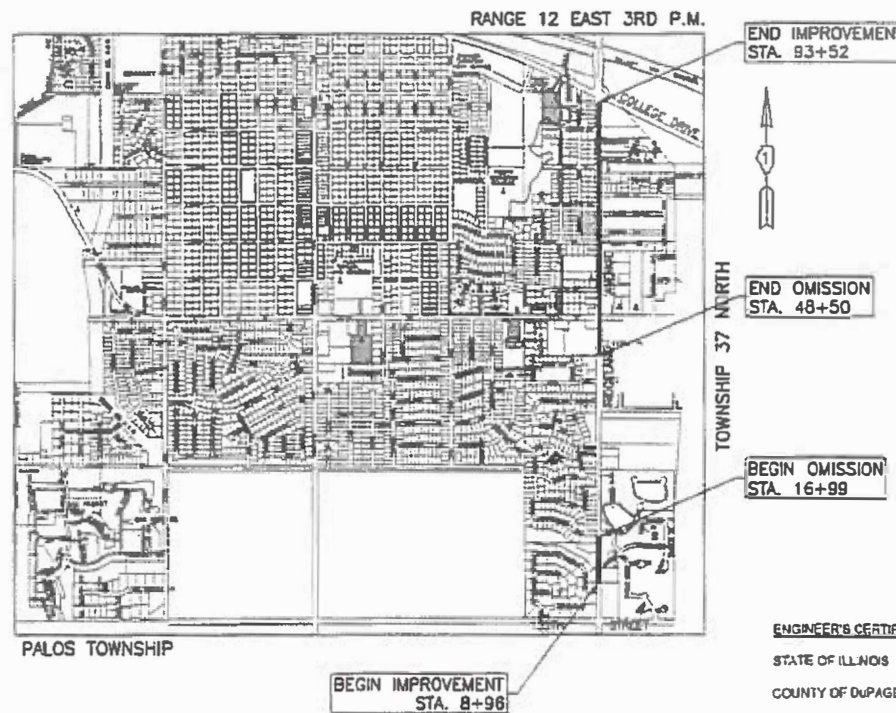
APPROVED *November 7, 2017*

MAYOR, CITY OF PALOS HEIGHTS

PASSED *NOVEMBER 8, 2017*

RELEASING FOR BID  
BASED ON LIMITED  
REVIEW *November 9, 2017*

*Anthony J. Dunphy / AAS*  
REGIONAL ENGINEER



**ENGINEER'S CERTIFICATION**

STATE OF ILLINOIS )  
                                  ) 98.  
COUNTY OF DU PAGE)

I, STEVEN J. DAUL, A REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS, HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY MORRIS ENGINEERING, INC. 813 WARRENVILLE ROAD, LISLE, ILLINOIS, 60532 UNDER MY PERSONAL DIRECTION. THIS TECHNICAL SUBMISSION IS INTENDED TO BE USED AS AN INTEGRAL PART OF AND IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS.

DATED THIS *6th* DAY OF *November*, 20*17*

ILLINOIS REGISTERED PROFESSIONAL ENGINEER NO. 062-056211  
MY REGISTRATION EXPIRES ON NOVEMBER 30, 2017



**LOCATION MAP**

— DENOTES PROJECT LOCATION  
NET LENGTH OF PROJECT = 5,305 FEET (1.005 MILE)  
LENGTH OF OMISSION = 3,151 FEET (0.597 MILE)  
GROSS LENGTH OF PROJECT = 8,456 FEET (1.601 MILE)  
SCALE: N.T.S.



SCALES { PLAN 1 INCH = 20 FEET  
          { CROSS-SECTIONS HORIZ. 1 INCH = 10 FEET  
          { CROSS-SECTIONS VERT. 1 INCH = 5 FEET

CONTRACT NO. 61E20



PLAN DATE: Nov. 06, 2017  
 FIELD NO.: 16-00054-00-BT-001  
 PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E., (847)705-4406 SCHAUMBURG, IL  
 CONSULTANT: MORRIS ENGINEERING, INC. (630) 271-0770

**INDEX OF SHEETS**

- 1.) COVER SHEET, INDEX TO SHEETS, LOCATION MAP, INDEX OF STANDARDS
- 2.) STANDARDS LIST & GENERAL NOTES
- 3.) SUMMARY OF QUANTITIES
- 4-5.) TYPICAL SECTIONS
- 6.-11.) PLAN - WALKS AND PATHS - 8+00 TO 96+50
- 12.-17.) PLAN - STRIPING AND SIGNS - 8+00 TO 96+50
- 18.-21.) DETAILS
- 22-25.) CROSS SECTIONS - 48+78 TO 92+89

**HIGHWAY STANDARDS**

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-10	CURB RAMPS FOR SIDEWALKS
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB & GUTTER
606301-04	PCC CONCRETE ISLANDS AND MEDIANS
606306-04	CORRUGATED PCC CONCRETE MEDIANS
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
701602-09	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-07	TRAFFIC CONTROL DEVICES
729001-01	METAL POST TYPE A

**GENERAL NOTES**

1. ALL EARTHWORK, GRADING, UTILITIES, AND STREET IMPROVEMENTS WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAY'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, AND ALL REVISIONS THERETO.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE AND HEALTHFUL WORKING CONDITIONS IN ACCORDANCE WITH SECTION 107 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION THROUGHOUT THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.
3. SOIL EROSION AND SEDIMENTATION CONTROL PRACTICES AND DEVICES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE URBAN COMMITTEE OF THE ASSOCIATION OF ILLINOIS SOIL AND WATER CONSERVATION DISTRICTS' PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL IN ILLINOIS AND ALL REVISIONS THERETO AND IN ACCORDANCE WITH THE DETAILS ON THE PLANS.
4. THE CONTRACTOR SHALL BE AWARE OF POTENTIAL CONFLICTS WITH EXISTING UTILITIES AS INDICATED ON THE PLANS. THE CONTRACTOR SHALL EXCAVATE AROUND UTILITIES TO DETERMINE ELEVATIONS BEFORE BEGINNING CONSTRUCTION.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING EACH OF THE UTILITY COMPANIES BEFORE ANY WORK COMMENCES. ALL UTILITIES SHALL BE STAKED PRIOR TO CONSTRUCTION.
6. THE OWNER WILL FURNISH THE CONTRACTOR WITH LINES, GRADES AND ELEVATIONS NECESSARY TO THE PROPER PROSECUTION AND CONTROL OF THE WORK ONCE.
7. THE CONTRACTOR SHALL GIVE THE ENGINEER AT LEAST SEVENTY-TWO (72) HOURS NOTICE FOR ANY STAKING TO BE DONE. EACH OF THE VARIOUS ITEMS OF WORK COVERED BY THIS CONTRACT WILL BE STAKED ONCE BY THE RESIDENT ENGINEER (CITY OF PALOS HEIGHTS). ADDITIONAL STAKING REQUIRED DUE TO THE CONTRACTOR'S NEGLIGENCE IN PRESERVING THE STAKES SHALL BE REPLACED.
8. THE CONTRACTOR SHALL INFORM THE ENGINEER AND THE MUNICIPALITY AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.  
  
TELEPHONE NUMBERS: CITY ENGINEER - (630) 271-0770  
CITY OF PALOS HEIGHTS - (708) 361-1806
9. THE CONTRACTOR RESPONSIBLE FOR DRAINAGE IMPROVEMENTS (UNDERGROUND STRUCTURES AND CONDUITS) SHALL DISPOSE OF ALL SURPLUS EXCAVATED MATERIAL FROM TRENCHES OR STRUCTURE EXCAVATIONS AND SHALL DEPOSIT SAID SURPLUS MATERIALS ON THE SITE IN ACCORDANCE WITH THE GRADING PLAN OR AS DIRECTED BY THE ENGINEER.
10. THE CONTRACTOR SHALL NOT PLACE ANY EXCAVATED MATERIAL UPON ANY TOPSOIL. THE TOPSOIL SHALL BE REMOVED FROM ALL AREAS TO BE FILLED AND SHALL BE STOCKPILED IN AREAS AS DIRECTED BY THE ENGINEER.
11. THE CONTRACTOR SHALL NOT DISCHARGE ANY MOTOR OIL, TRANSMISSION FLUID, LUBRICANTS OR ANY OTHER PETROLEUM DISTILLATES INTO STREAMS, PONDS, WETLANDS OR ITS TRIBUTARIES. ANY PETROLEUM DISTILLATES DISCHARGED ON THE GROUND SURFACE SHALL BE PROMPTLY AND PROPERLY REMOVED PRIOR TO THE RESUMPTION OF ANY WORK ON THE PROJECT.
12. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING FIELD TILES. FIELD TILES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR. INVESTIGATION SHALL BE MADE TO INSURE THAT FIELD TILES DO NOT CONVEY OFF SITE WATER. TILES THAT CONVEY OFF SITE WATER SHALL BE REROUTED THROUGH THE SITE. TILES THAT DO NOT CONVEY OFF SITE WATER SHALL BE ABANDONED IN AN APPROPRIATE MANNER APPROVED BY THE MUNICIPALITY. FIELD TILES WITHIN A RIGHT-OF-WAY SHALL BE REMOVED AND BACKFILLED WITH CA-6 COMPACTED IN EIGHT INCH LIFTS TO THE BOTTOM OF THE ROADWAY BASE. EXISTING FIELD TILES SHALL BE REMOVED BY SLIT TRENCHING.
13. THE CONTRACTOR RESPONSIBLE FOR DRAINAGE IMPROVEMENTS SHALL BE RESPONSIBLE TO PLACE ALL FIRE HYDRANTS, FRAMES AND LIDS OR GRATES, AND ALL GRATES FOR MANHOLES, CATCH BASINS, INLETS AND VALVE VAULTS AT THE ELEVATIONS SHOWN AND SPECIFIED ON THE PLANS.
14. THE CONTRACTOR SHALL KEEP PUBLIC STREET PAVEMENTS CLEAN OF DIRT AND DEBRIS AND, WHEN NECESSARY, SHALL ON A DAILY BASIS CLEAN THE PAVEMENT OF SUCH DIRT AND DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS.
15. THE CONTRACTOR SHALL PROVIDE PIPE BEDDING IN ACCORDANCE WITH THE DETAIL ON THE PLANS.
16. THE CONTRACTOR SHALL PLACE TOPSOIL AT A 6" MINIMUM DEPTH AND SEED OR SOD ALL AREAS DESIGNATED BY THE ENGINEER.
17. THE CONTRACTOR SHALL EXAMINE THE DRAINAGE PATTERNS SHOWN ON THE PLANS AND MAKE CERTAIN THAT ALL OVERFLOW POINT ELEVATIONS AND CROSS SECTIONS ARE CONSTRUCTED STRICTLY IN ACCORDANCE WITH THOSE SHOWN ON THE PLANS.
18. THE CONTRACTOR SHALL CONTACT J.U.L.I.E. (1-800-892-0123) PRIOR TO ANY WORK IN THE RIGHT OF WAY OR EASEMENTS TO LOCATE UTILITIES, AND CONTACT THE OWNER'S REPRESENTATIVE SHOULD PUBLIC UTILITIES APPEAR TO BE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS.
19. CURB SHALL BE REMOVED IN A WAY TO PREVENT DAMAGE TO EXISTING PAVEMENT.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ANY GRASS AREAS TO REMAIN. ANY DAMAGES TO THE EXISTING GRASS AREAS TO REMAIN SHALL BE RESTORED TO ITS ORIGINAL CONDITION.

**SOIL EROSION AND SEDIMENTATION CONTROL NOTES**

1. THE FOLLOWING PRINCIPLES SHALL APPLY TO ALL MOVEMENT OF EARTH AND STORM DRAINAGE. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE LAND IS OTHERWISE DISTURBED ON SITE.
2. THE SMALLEST PRACTICAL AREA OF LAND IS TO BE EXPOSED AT ANY GIVEN TIME DURING CONSTRUCTION. EXPOSURE SHALL BE KEPT TO AS SHORT A DURATION OF TIME AS IS PRACTICAL.
3. STABILIZE AND PROTECT DISTURBED AREAS. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS, AND THE USE OF TEMPORARY OR PERMANENT MEASURES. MECHANICAL, STRUCTURAL, AND/OR VEGETATIVE CONTROL METHODS SHALL BE USED IN ORDER TO RETARD SOIL EROSION IF DIRECTED BY THE OWNER OR HIS AUTHORIZED REPRESENTATIVE.
4. KEEP RUN-OFF VELOCITIES LOW WITH SHORT SLOPES AND LOW GRADIENTS. THE INSTALLATION OF NATURAL VEGETATIVE COVER HELPS TO KEEP STORM WATER VELOCITIES LOW, AND THUS LIMIT SOIL EROSION EFFECTS.
5. PROTECT DISTURBED AREAS FROM STORM WATER RUN-OFF. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF UPLAND DISTURBANCE. PROTECTIVE MEASURES SHALL BE UTILIZED TO DIVERT RUN-OFF FROM DISTURBED AREAS.
6. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS SHALL BE PERMANENTLY STABILIZED.
7. NATURAL PLANT COVER SHALL BE MAINTAINED AND PROTECTED AND ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR INSPECTION AND REPAIR DURING CONSTRUCTION.
8. PROTECTION OF EXISTING FACILITIES AND UTILITIES - THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL NECESSARY FACILITIES FOR THE PROTECTION OF ALL EXISTING UTILITIES ON OR ADJACENT TO THE PROJECT. ALL STORM SEWER FACILITIES THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, FILTERED, OR OTHERWISE TREATED TO REMOVE SEDIMENT. FURTHERMORE, ANY DAMAGE DONE BY HIM, HIS AGENTS, OR ASSIGNS SHALL BE REPAIRED.
9. DIRT ON PAVEMENT - WHERE A CONTRACTOR'S EQUIPMENT IS OPERATED UPON AN EXISTING PAVEMENT USED BY TRAFFIC THE CONTRACTOR SHALL CLEAN THE PAVEMENT OF ALL DIRT AND DEBRIS AT THE END OF EACH DAY'S OPERATIONS AND AT OTHER TIMES AS DIRECTED BY THE OWNER, THE ENGINEER, OR THE GOVERNING MUNICIPALITY.
10. DUST CONTROL - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF EXCESSIVE DUST DURING THE CONSTRUCTION PERIOD UNTIL PROPOSED IMPROVEMENTS COMPLETED. THE REQUIREMENT FOR DUST CONTROL SHALL BE AS DIRECTED BY THE LOCAL APPROVING AUTHORITIES OR THE ENGINEER.
11. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR CITY OF PALOS HEIGHTS.
12. THE CONTRACTOR SHALL MAKE AN EFFORT TO MINIMIZE USE OF HEAVY EQUIPMENT WITHIN THE DESIGNATED DRAINAGE FACILITIES.

**EXCAVATION**

1. ALL SITE CLEARING, EXCAVATION, GRADING, COMPACTION, SUBGRADE PREPARATION, BASE COURSE, SURFACE COURSE, PCC CURB AND GUTTER AND SIDEWALKS SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS, LATEST EDITION.
2. EARTHWORK UNDER THIS CONTRACT SHALL INCLUDE THE FOLLOWING:
  - A. REMOVAL OF EXISTING VEGETATION WITHIN CONSTRUCTION LIMITS FROM THE SITE.
  - B. PROTECTION OF CERTAIN TREES AS SHOWN ON PLANS.
  - C. STRIPPING OF ALL TOPSOIL AND OTHER UNSUITABLE MATERIALS FROM BUILDING AND/OR PAVEMENT AREAS AND REMOVAL FROM SITE OF ALL EXCESS.
  - D. COMPLETE REMOVAL AND DISPOSAL OF THE NATURAL GROUND TO THE PROPOSED SUB-GRADE ELEVATION OF NEW PAVEMENT.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING THE REQUIREMENTS OF ALL APPLICABLE SOIL EROSION AND SEDIMENT CONTROL ORDINANCES.

**TRAFFIC CONTROL AND PROTECTION**

1. THE CONTRACTOR SHALL ENSURE THAT ALL TRAFFIC CONTROL DEVICES INSTALLED BY HIM ARE OPERATIONAL 24 HOURS A DAY, INCLUDING SUNDAYS AND HOLIDAYS.
2. DELAYS TO THE CONTRACTOR CAUSED BY COMPLYING WITH THESE REQUIREMENTS WILL BE INCLUDED IN TRAFFIC CONTROL AND PROTECTION.
3. THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 AT LEAST 72 HOURS IN ADVANCE OF BEGINNING WORK.

PLOT DATE: Nov 17, 2017  
 FILENAME: H:\JIT\1130301 - Ridgeland Avenue PLANS-ENG-REV-3\17-PH-300-sheets\01-05-tttr-notes-quantity-2017-11-17.dwg

USER NAME =	DESIGNED - EF	REVISED - 9/15/2017	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BIKE/PEDESTRIAN PATH LANDSCAPING STANDARDS LIST &amp; GENERAL NOTES</b>		ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE =	DRAWN - DJB	REVISED - 11/01/2017				2781	16-00054-00-BT	COOK	25	2
PLOT DATE = Nov 17, 2017	CHECKED - AS	REVISED - 11/17/2017		SCALE: N/A	SHEET NO. 2 OF 25 SHEETS	STA. TO STA.	CONTRACT NO. 61E20 ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES						BIKE/PED PATH CONSTRUCTION CODE 0028	LANDSCAPE CONSTRUCTION CODE 0031
CODE NO.	ITEM	UNIT	TOTAL		SUBTOTAL	SUBTOTAL	
			QUANTITY				
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	14		14		
20101100	TREE TRUNK PROTECTION	EACH	6		6		
20101200	TREE ROOT PRUNING	EACH	6		6		
20200100	EARTH EXCAVATION	CU YD	1245		902	343	
20201200	REMOVE AND DISPOSE OF UNSUITABLE MATERIAL	CU YD	91		91		
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	3393		3393		
21101685	TOPSOIL FURNISH AND PLACE, 24"	SQ YD	513			513	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	45		45		
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	45		45		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	45		45		
25200110	SODDING, SALT TOLERANT	SQ YD	3393		3393		
28000400	PERIMETER EROSION BARRIER	FOOT	627		627		
28000500	INLET AND PIPE PROTECTION	EACH	40		40		
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	963		963		
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	1977		1977		
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	348		348		
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50	TON	408		408		
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	8649		8649		
42400800	DETECTABLE WARNINGS	SQ FT	724		724		
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	324		324		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2484		2484		
44000600	SIDEWALK REMOVAL	SQ FT	452		452		
44003100	MEDIAN REMOVAL	SQ FT	10260		10260		
52200800	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	298		298		
60107600	PIPE UNDERDRAINS 4"	FOOT	320			320	
60255500	MANHOLES TO BE ADJUSTED	EACH	7		7		
60600605	CONCRETE CURB, TYPE B	FOOT	30		30		

SUMMARY OF QUANTITIES						BIKE/PED PATH CONSTRUCTION CODE 0028	LANDSCAPE CONSTRUCTION CODE 0031
CODE NO.	ITEM	UNIT	TOTAL		SUBTOTAL	SUBTOTAL	
			QUANTITY				
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6 12	FOOT	1474		1474		
60608300	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2 12	FOOT	1940		1940		
60618210	HOT-MIX ASPHALT MEDIAN SURFACE, 4 INCH	SQ FT	2232		2232		
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	329		329		
67100100	MOBILIZATION	LSUM	1		1		
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	LSUM	1		1		
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1		1		
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1		1		
72000100	SIGN PANEL TYPE 1	SQ FT	27		27		
72900100	METAL POST - TYPE A	FOOT	68		68		
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	48		48		
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	2816		2816		
78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	560		560		
78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	1033		1033		
78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	135		135		
X0327008	REMOVE AND RELOCATE SIGN (SPECIAL)	EACH	17		17		
X8140115	HANDHOLE TO BE ADJUSTED	EACH	1		1		
XX007217	PAVER BLOCKS, SPECIAL	SQ FT	1314			1314	
Z0030650	TEMPORARY INFORMATION SIGNING	SQ FT	40		40		
Z0030558	POST MOUNTED FLASHING BEACON INSTALLATION (SPECIAL)	EACH	2		2		
Z0076600	TRAINEES	hour	500		500		
Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	hour	500		500		
A2004716	TREE, GLEDITSIA TRIACANTHOS INERMIS SHADEMASTER (SHADEMASTER THORNLESS COMMON HONEYLOCUST) 2" CALIPER BALLED AND BURLAPPED	EACH	15			15	
D2C00918	EVERGREEN, JUNPERUS HORIZONTALIS HUGHES (HUGHES CREEPING JUNIPER) 18" WIDTH, CONTAINER	EACH	204			204	
K0029534	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	11			11	
K0012990	PERENNIAL PLANT, ORNAMENTAL TYPE, GALLON POT	UNIT	2.76			2.76	

\* DENOTES SPECIALTY ITEMS

△ 0042

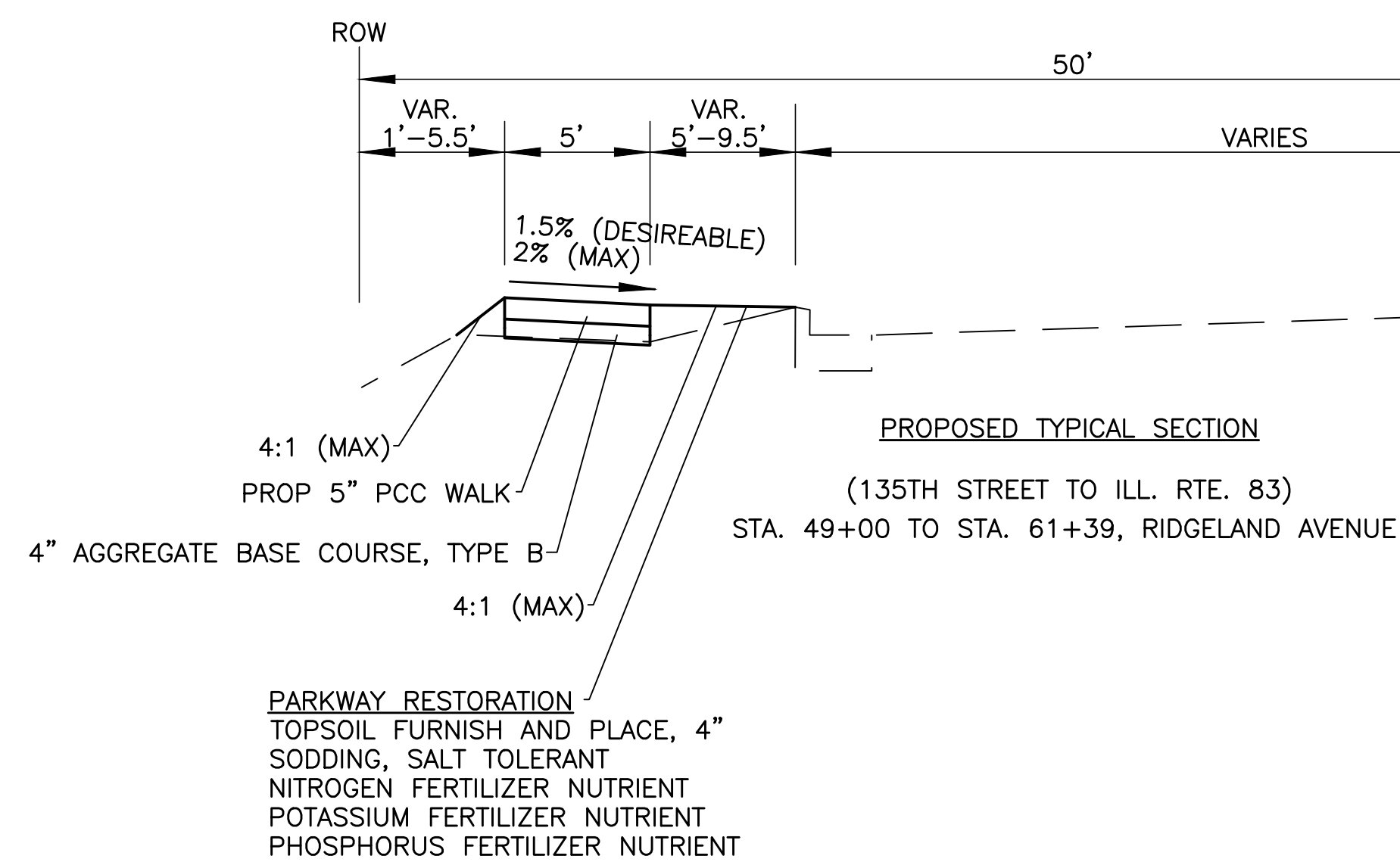
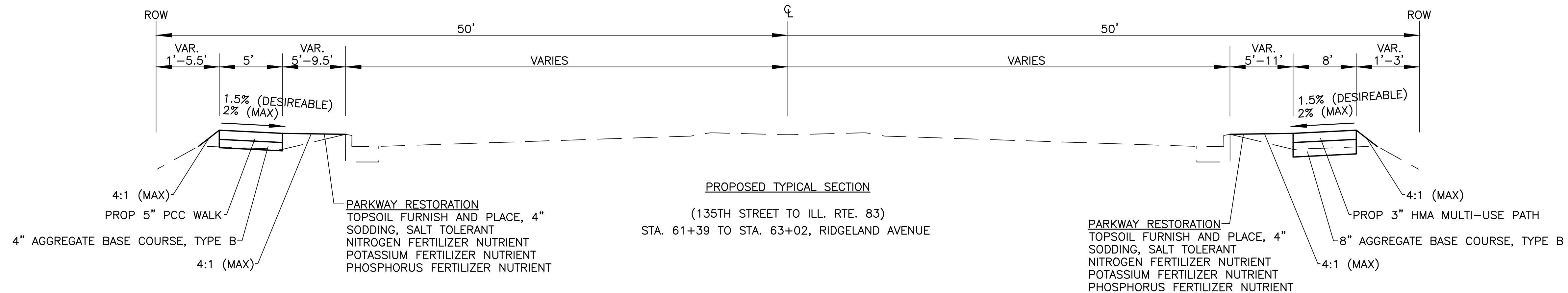
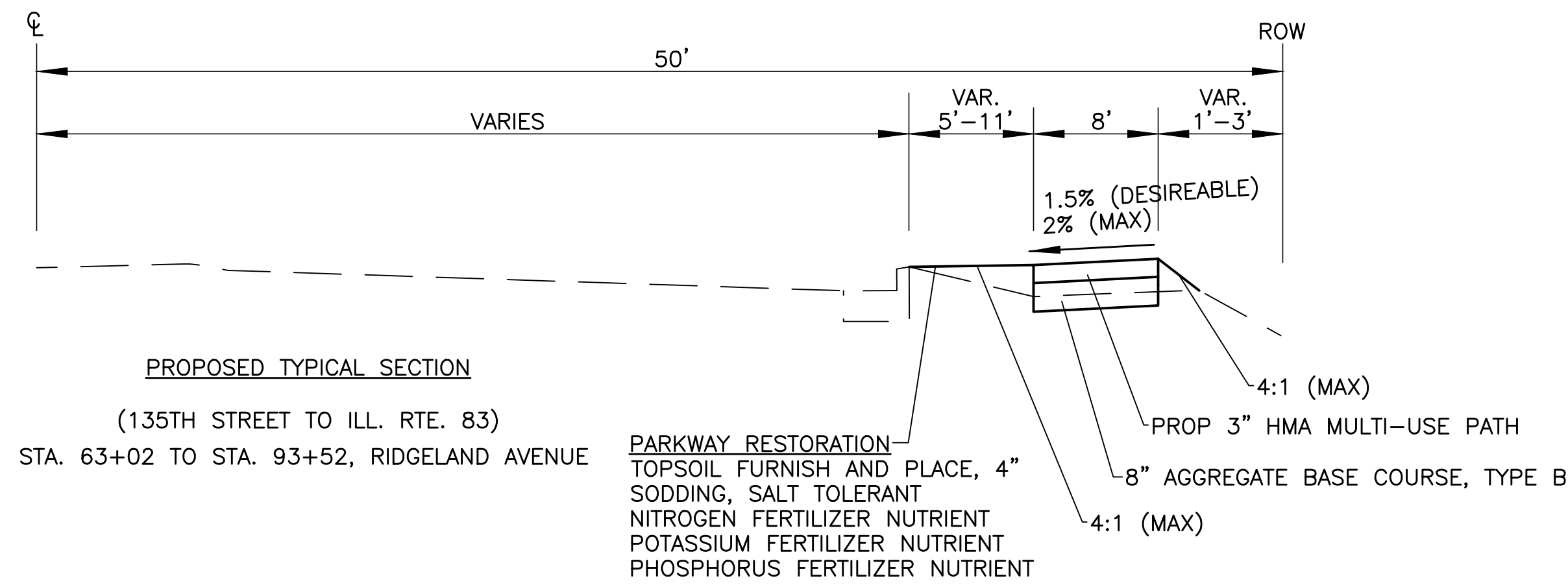
**PLANT MATERIAL LIST**

BOTANICAL NAME	COMMON NAME	SIZE	QTY
<b>PERENNIALS</b>			
HEMOROCALLIS 'STELLA DE ORO'	STELLA DE ORO DAYLILLY	1 GAL	1.38
HEMOROCALLIS 'HAPPY RETURNS'	HAPPY RETURNS DAYLILLY	1 GAL	1.38
ALL PERENNIALS TO BE PAID FOR AS PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT (1 UNIT = 100 PLANTS)		TOTAL PERENNIALS:	2.76
		TOTAL UNITS:	2.76

PLOT DATE: Dec 08, 2017  
FILENAME: N:\17-PH\3010 - Ridgeland Avenue\PLANS-ENG\REV-4\17-PH-3010-sheets\01-05-title-motes-quants-2017-11-17.dwg

USER NAME =	DESIGNED - EF	REVISED - 9/15/2017	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BIKE/PEDESTRIAN PATH LANDSCAPING SUMMARY OF QUANTITIES</b>			ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE =	DRAWN - DJB	REVISED - 11/01/2017		2781	16-00054-00-BT	COOK	25	3			
PLOT DATE = Dec 08, 2017	CHECKED - AS	REVISED - 11/17/2017		SCALE: N/A	SHEET NO. 3 OF 25 SHEETS	STA.	TO STA.	CONTRACT NO. 61E20			
	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							





PROJECT OMISSION:  
STA. 16+99 TO STA. 49+00

THE SIDEWALK GRADES AND CURB RAMPS IN THE PROJECT LIMITS SHALL COMPLY WITH ADA GUIDELINES. ALL STRIPING AND SIGNAGE SHALL COMPLY WITH THE LATEST VERSION OF THE MUTCD.

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

MIXTURE TYPE	AIR VOIDS @ NDES	QMP
PAVEMENT RESURFACING:		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, IL 9.5 mm	4% @ 50 GYR.	QC/QA

**NOTES:**

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

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

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FILENAME: I:\17-113030 - Ridgeland Avenue PLANS-ENG-REV-3\17-Pl-300-sheets\01-05-ttl-notes-quantity-2017-11-17.dwg

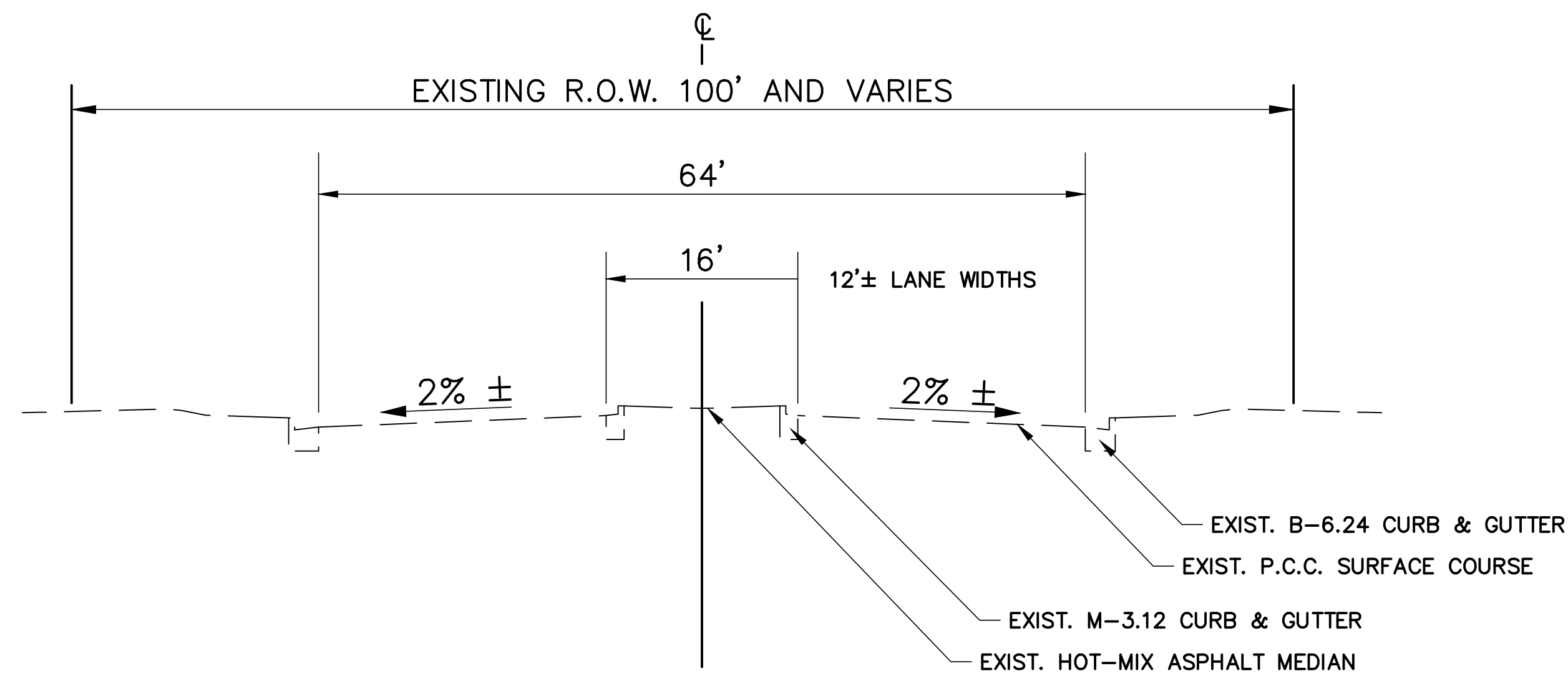
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PLOT DATE = Nov 17, 2017	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BIKE/PEDESTRIAN PATH LANDSCAPING  
TYPICAL SECTIONS

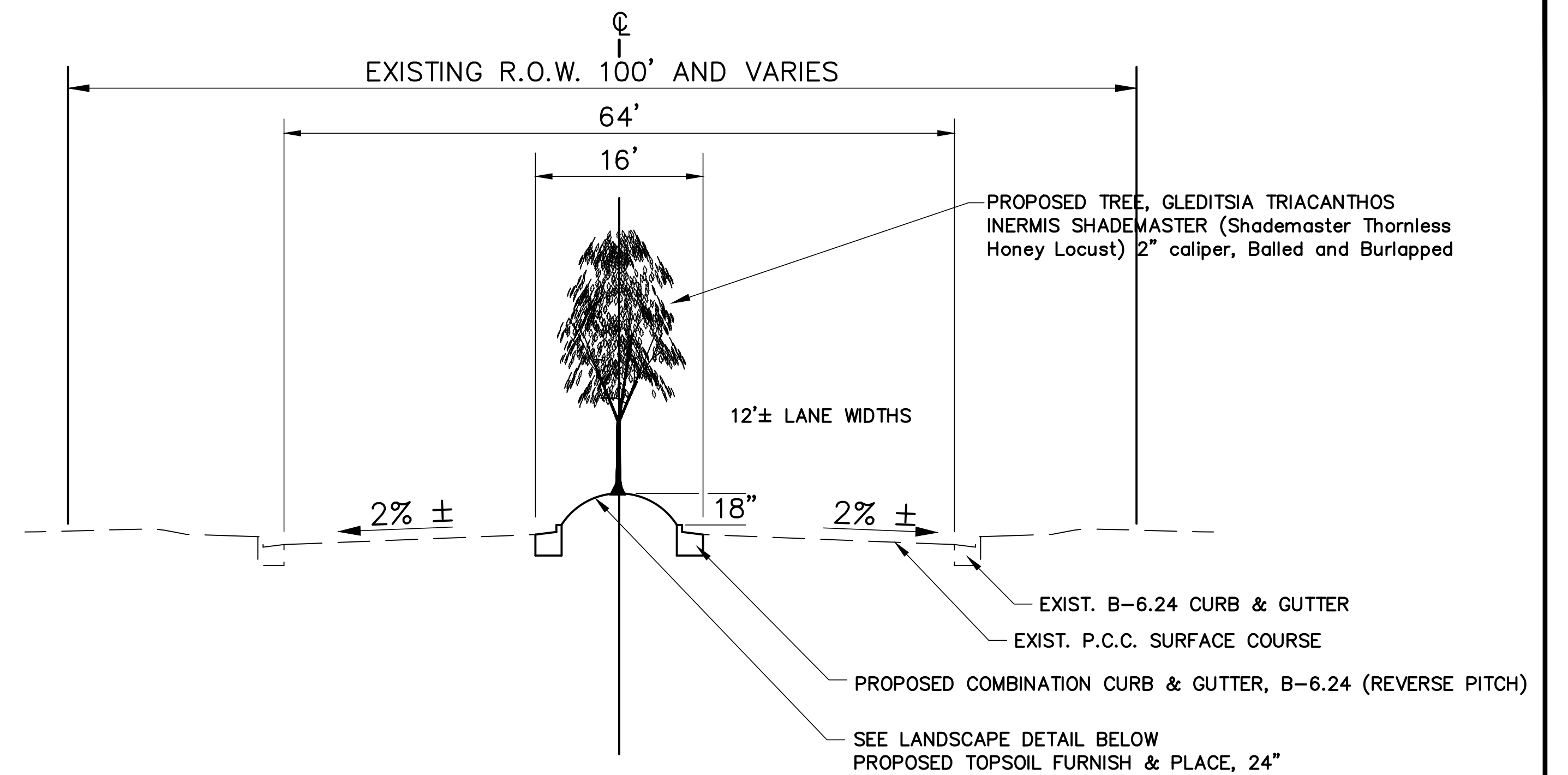
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				CONTRACT NO. 61E20
ILLINOIS FED. AID PROJECT				

SCALE: N/A SHEET NO. 4 OF 25 SHEETS STA. TO STA.



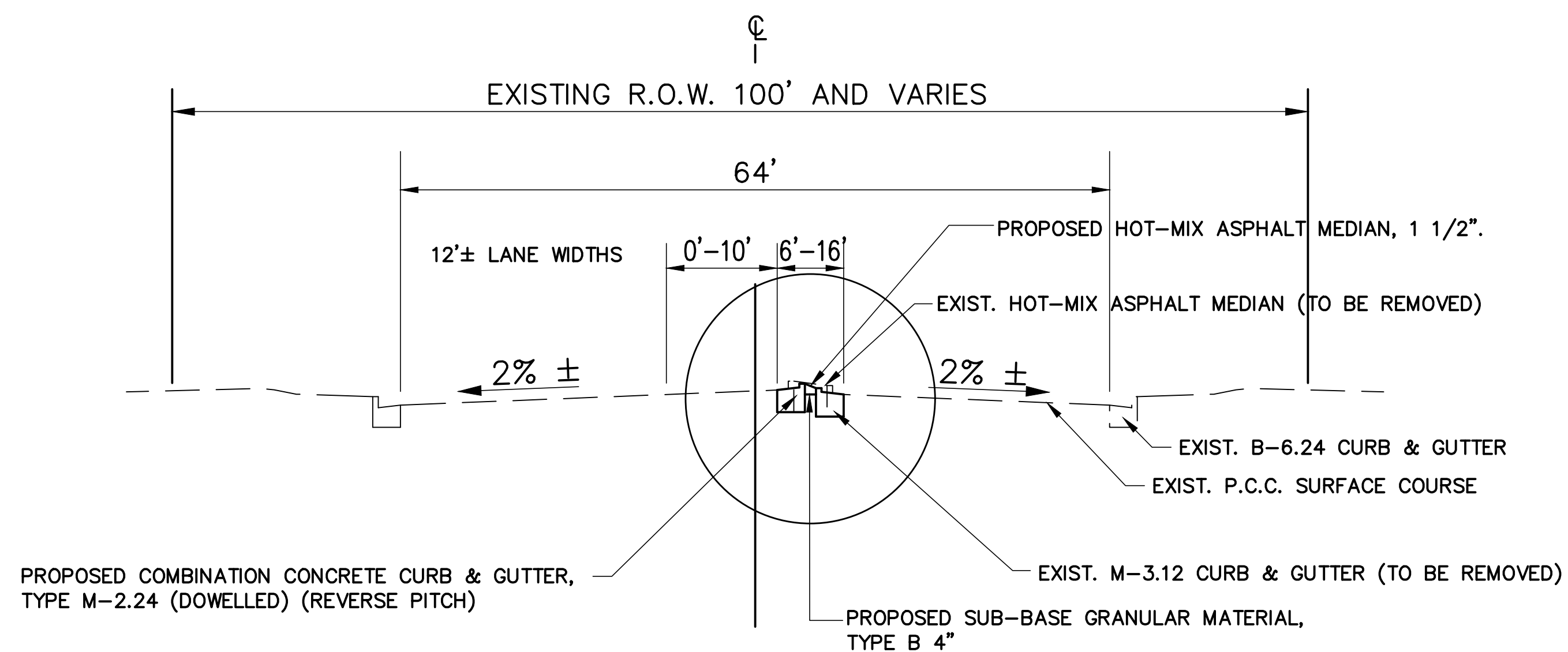
**EXISTING TYPICAL SECTION - FULL MEDIAN**

STA. 11+74 TO STA. 12+71, RIDGELAND AVENUE  
 STA. 82+61 TO STA. 84+58, RIDGELAND AVENUE



**PROPOSED TYPICAL SECTION - FULL MEDIAN WITH LANDSCAPING**

STA. 11+32 TO STA. 12+12, RIDGELAND AVENUE  
 STA. 83+70 TO STA. 85+40, RIDGELAND AVENUE

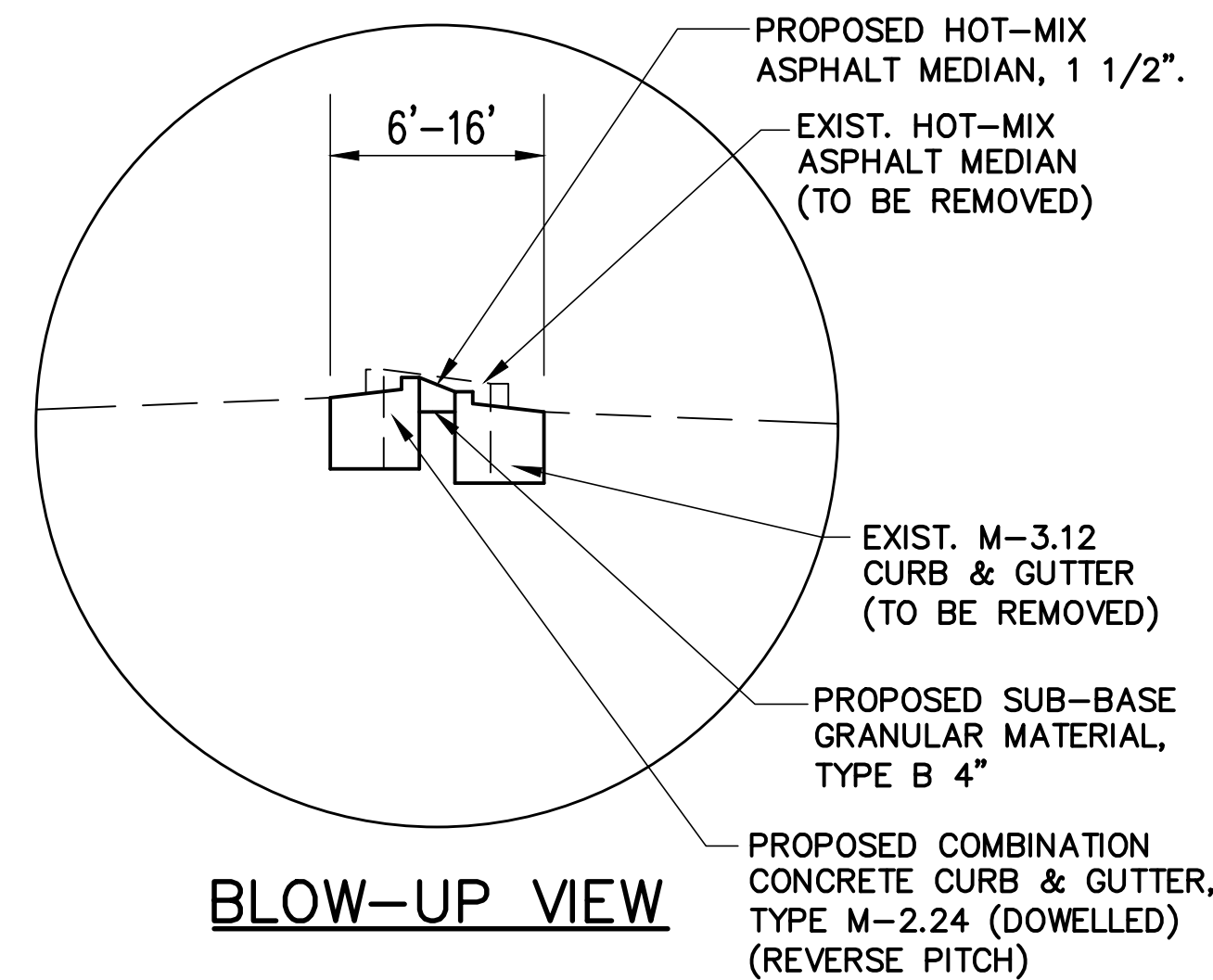


**PROPOSED & EXISTING TYPICAL SECTION - TRANSITION**

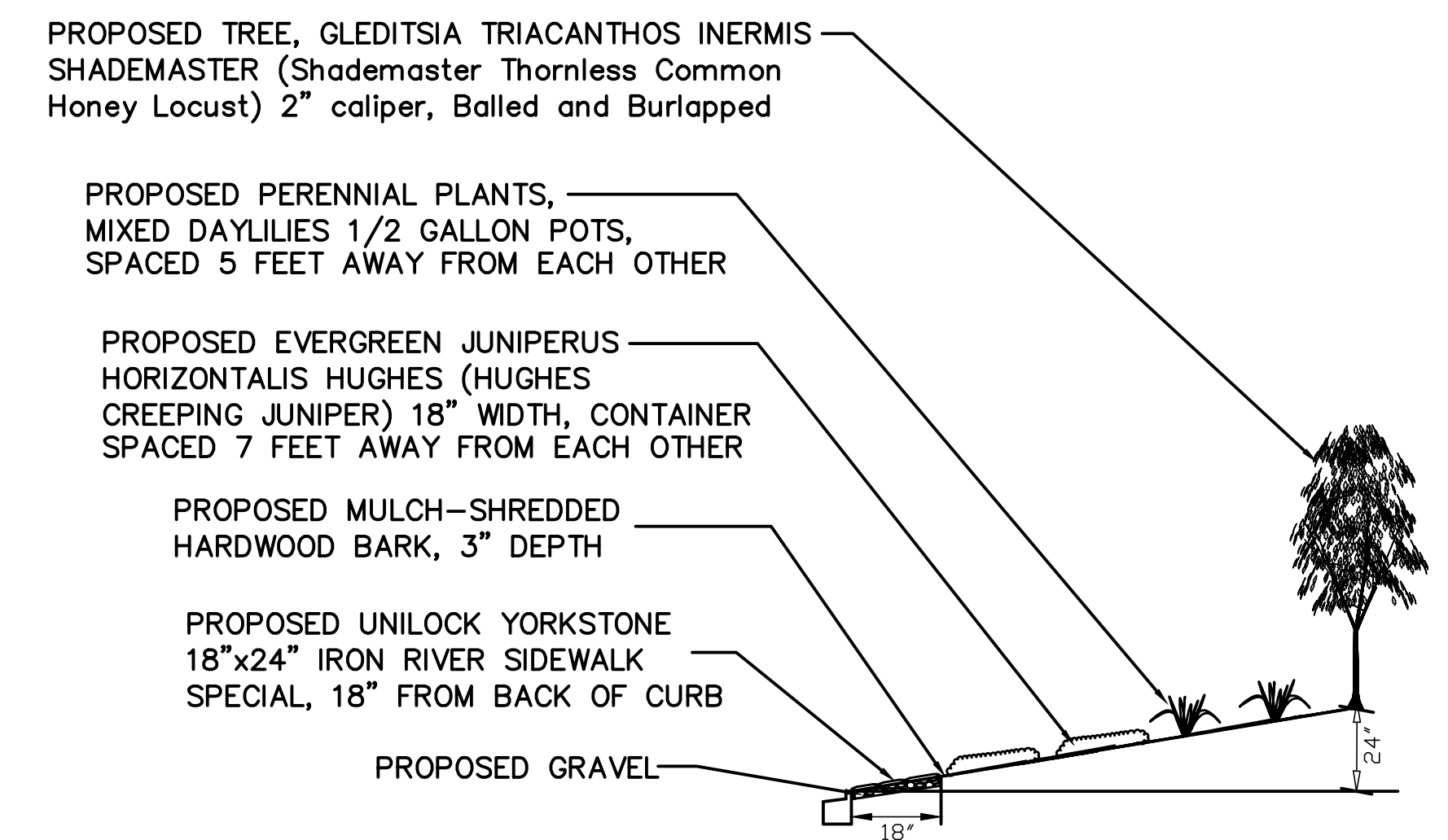
STA. 9+97 TO STA. 11+74, RIDGELAND AVENUE & STA. 12+71 TO STA. 15+11, RIDGELAND AVENUE  
 STA. 82+20 TO STA. 82+61, RIDGELAND AVENUE & STA. 84+58 TO STA. 87+11, RIDGELAND AVENUE

**PROPOSED & EXISTING TURN LANES**

STA. 8+96 TO STA. 9+97, RIDGELAND AVENUE AND STA. 15+11 TO STA. 16+99, RIDGELAND AVENUE  
 STA. 87+11 TO STA. 88+11, RIDGELAND AVENUE



**BLOW-UP VIEW**



**PROPOSED TYPICAL SECTION FOR LANDSCAPING IN MEDIAN**

STA. 11+32 TO STA. 13+12, RIDGELAND AVENUE  
 STA. 82+71 TO STA. 82+91, RIDGELAND AVENUE  
 STA. 83+80 TO STA. 85+40, RIDGELAND AVENUE

\*PLEASE SEE SPECIAL PROVISION FOR FLAGSTONE MATERIAL

FUTURE MAINTENANCE OF LANDSCAPE MEDIAN SHALL BECOME THE RESPONSIBILITY OF THE CITY OF PALOS HEIGHTS, IL

PLOT DATE: Nov 17, 2017  
 FILENAME: I:\17-11-17-2017 - Ridgeland Avenue Plans-ENG-REV-3\17-11-17-2017-00-shedmaster-05-1111-rdnotes-quantis-2017-11-17.dwg

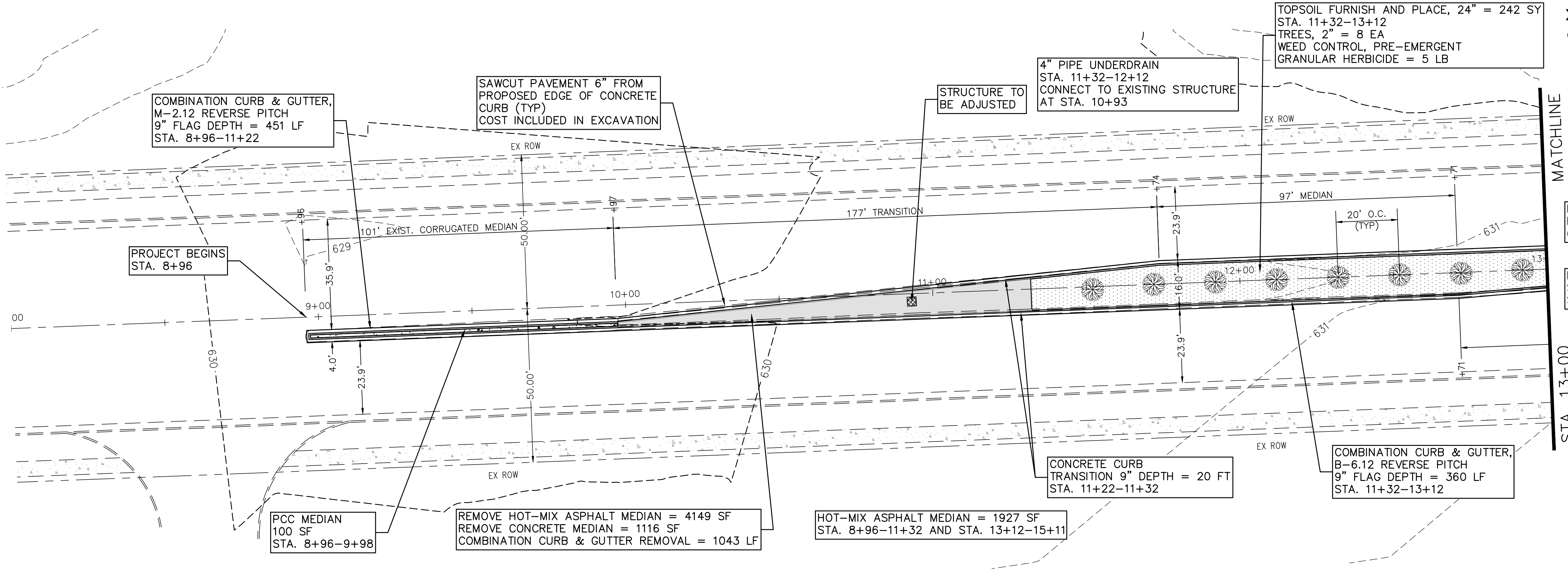
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PLOT SCALE =	CHECKED - AS	REVISED - 11/17/2017
PLOT DATE = Nov 17, 2017	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

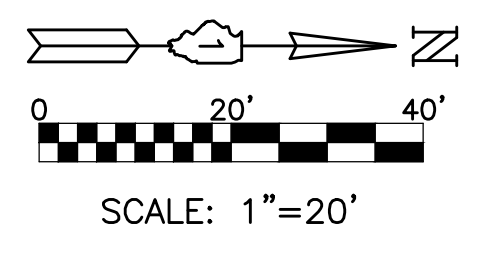
BIKE/PEDESTRIAN PATH LANDSCAPING  
 TYPICAL SECTIONS

SCALE: N/A SHEET NO. 5 OF 25 SHEETS STA. TO STA.

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2781	16-00054-00-BT	COOK	25	5
				CONTRACT NO. 61E20
ILLINOIS FED. AID PROJECT				

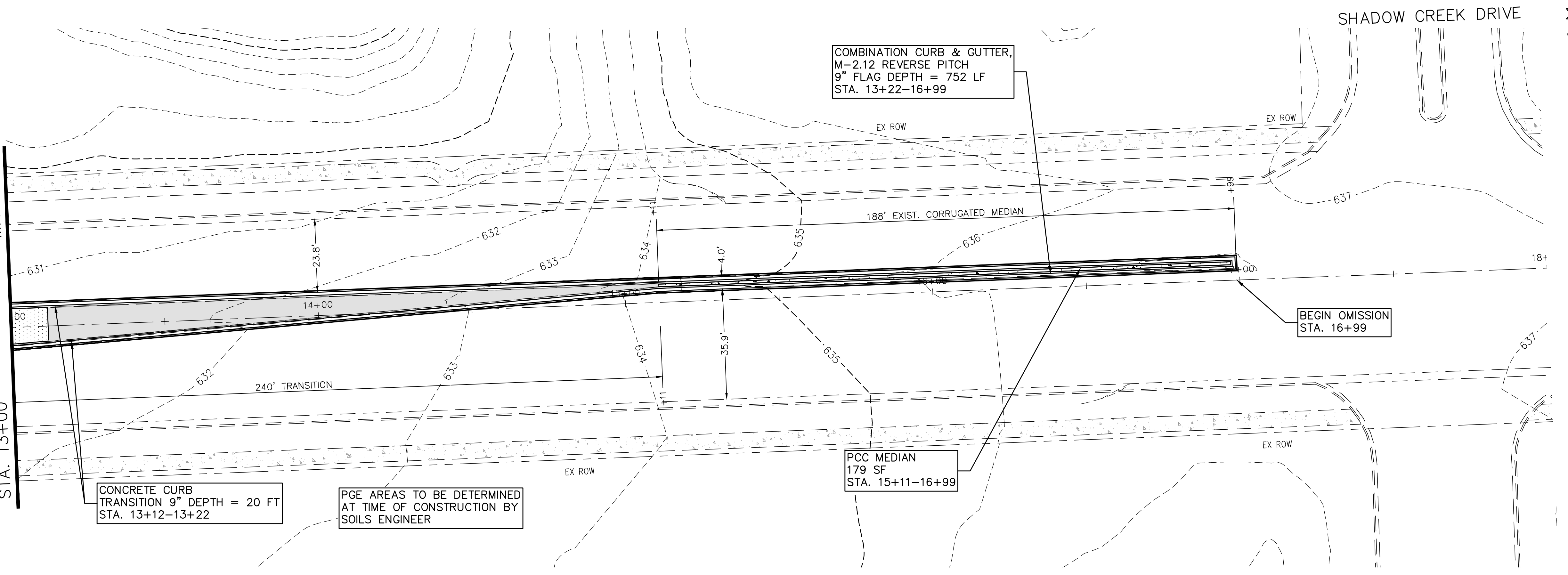


TOPSOIL FURNISH AND PLACE, 24" = 242 SY  
 STA. 11+32-13+12  
 TREES, 2" = 8 EA  
 WEED CONTROL, PRE-EMERGENT  
 GRANULAR HERBICIDE = 5 LB

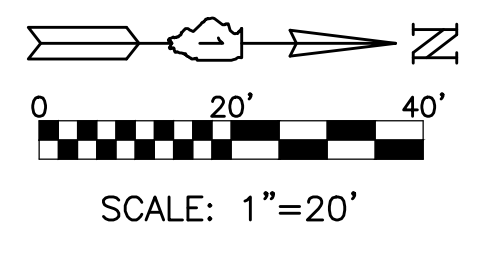


NOTE: ALL TREES SHALL  
 BE GLEDISTIA TRIACANTHOS  
 (HONEY LOCUST)

LANDSCAPE MAINTENANCE:  
 SEE "LANDSCAPE DETAIL"  
 SHEET 7



SHADOW CREEK DRIVE



COMBINATION CURB & GUTTER,  
 M-2.12 REVERSE PITCH  
 9" FLAG DEPTH = 752 LF  
 STA. 13+22-16+99

BEGIN OMISSION  
 STA. 16+99

MATCHLINE  
 STA. 13+00

PLOT DATE: Nov 17, 2017  
 FILENAME: H:\P\300 - Ridgeland Avenue PLANS-ENR.REV-3\17-PH-300-sheets\6-17-plans-2017-11-17.dwg

USER NAME =	DESIGNED - EF	REVISED - 9/15/2017
	DRAWN - DJB	REVISED - 11/01/2017
PLOT SCALE =	CHECKED - AS	REVISED - 11/17/2017
PLOT DATE = Nov 17, 2017	DATE -	REVISED -

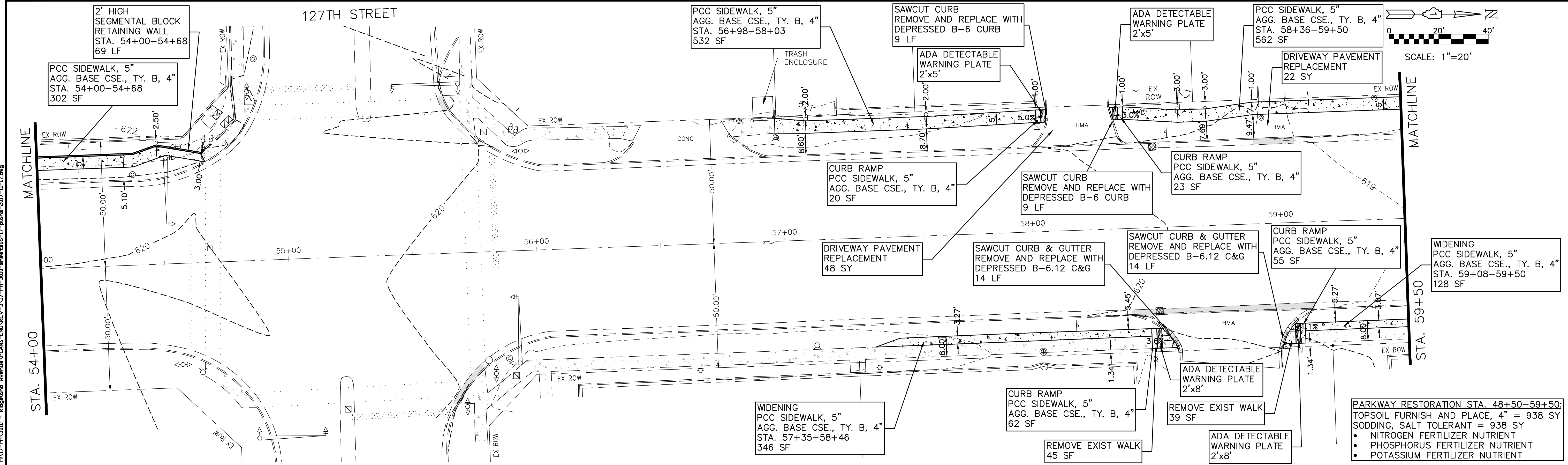
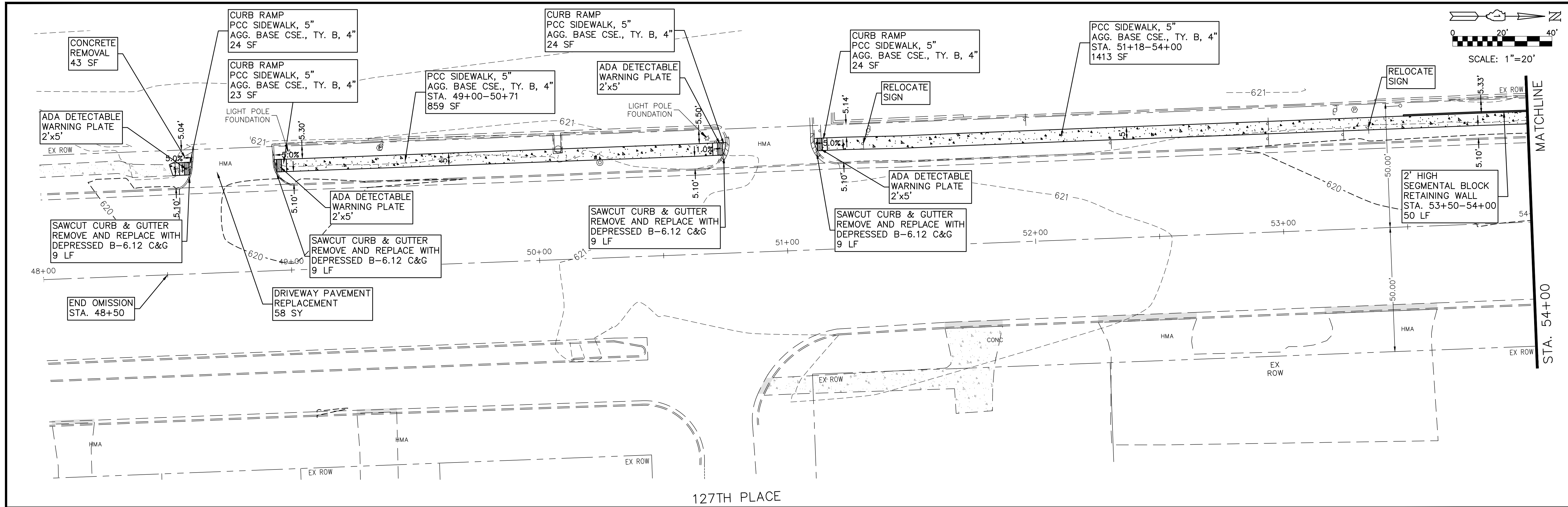
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**BIKE/PEDESTRIAN PATH LANDSCAPING  
 WALKS AND PATHS - STA. 8+00 TO STA. 18+00**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2781	16-00054-00-BT	COOK	25	6
			CONTRACT NO. 61E20	

SCALE: 1"=20' SHEET NO. 6 OF 25 SHEETS STA. 8+00 TO STA. 18+00

ILLINOIS FED. AID PROJECT



PLOT DATE: Nov 17, 2017  
 FILENAME: PLT-PR-300 - Ridgeland Avenue PLANS-ENG-REV-317-PR-300-sheets-17-plans-2017-11-17.dwg

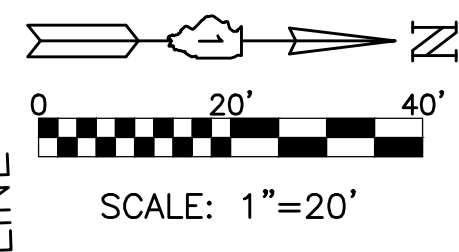
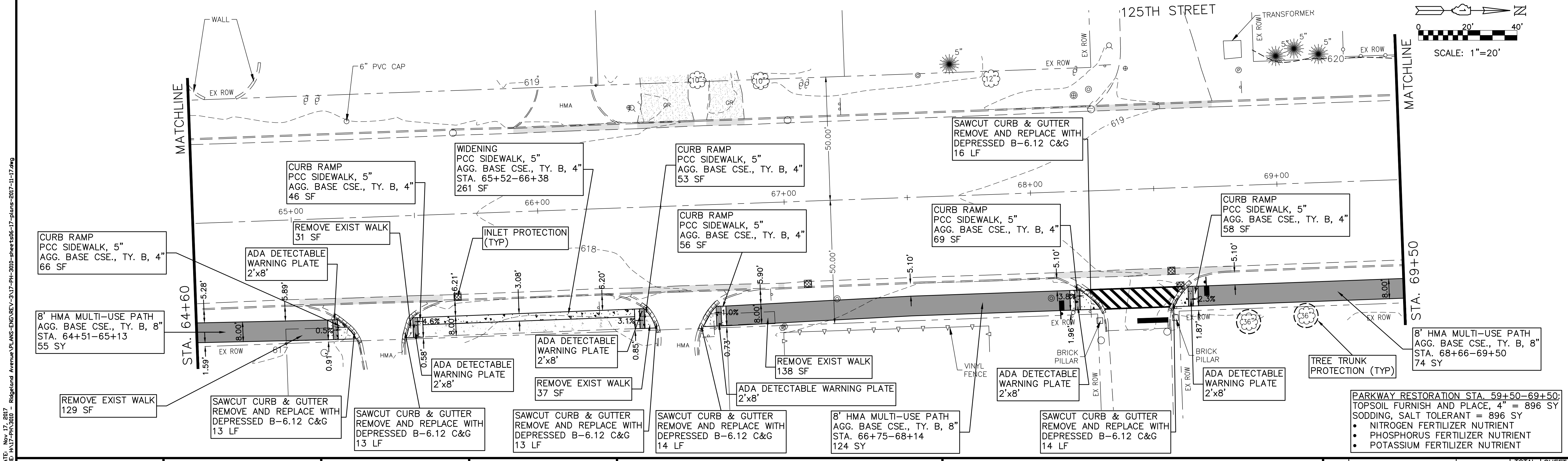
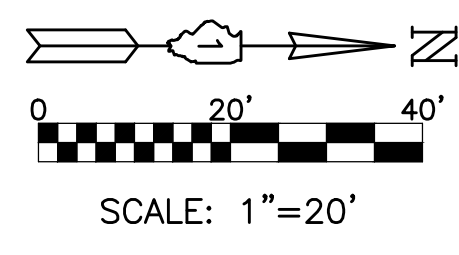
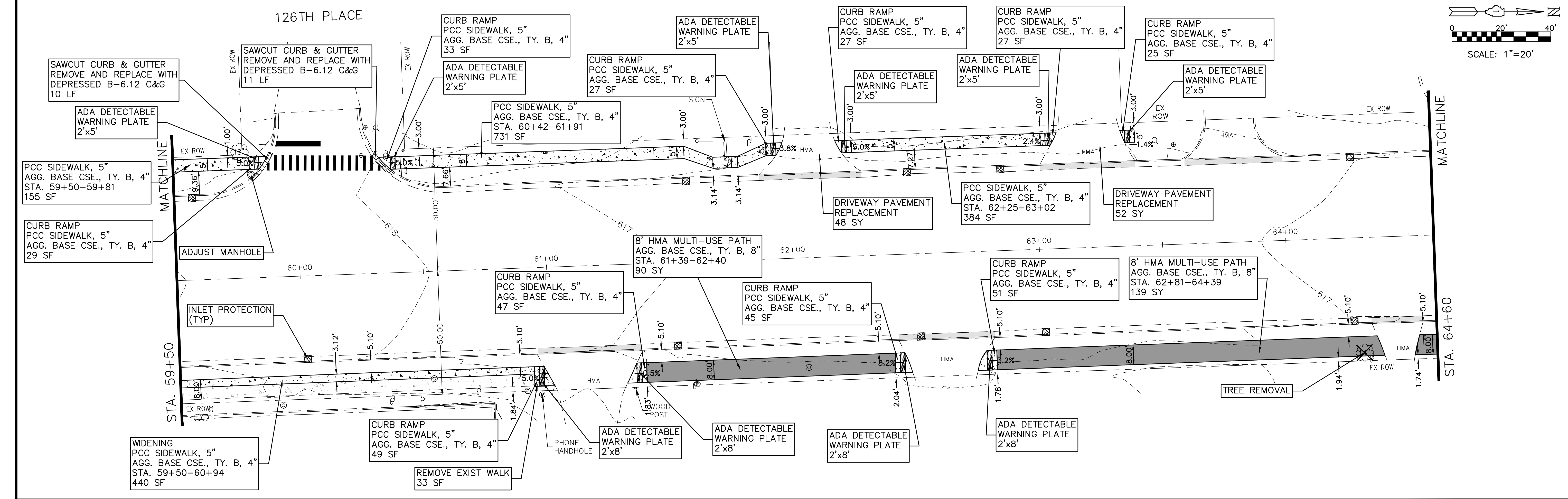
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PLOT SCALE =	CHECKED - AS	REVISED - 11/17/2017
PLOT DATE = Nov 17, 2017	DATE -	REVISED -

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

**BIKE/PEDESTRIAN PATH LANDSCAPING**  
**WALKS AND PATHS - STA. 48+00 TO STA. 59+50**  
 SCALE: 1"=20' SHEET NO. 7 OF 25 SHEETS STA. 48+00 TO STA. 59+50

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2781	16-00054-00-BT	COOK	25	7
CONTRACT NO. 61E20			ILLINOIS FED. AID PROJECT	



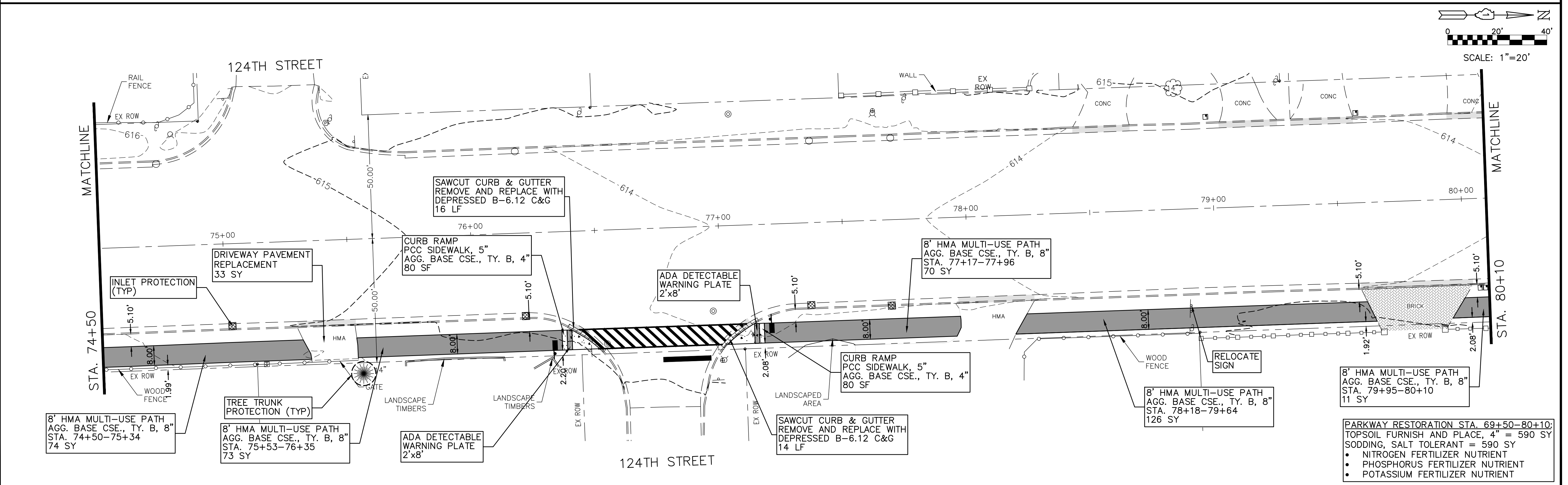
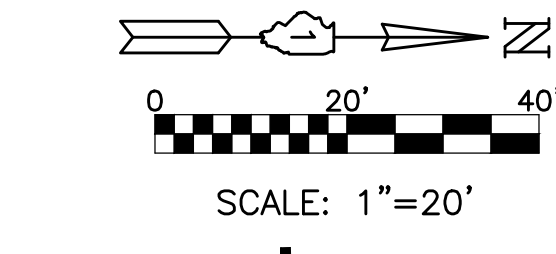
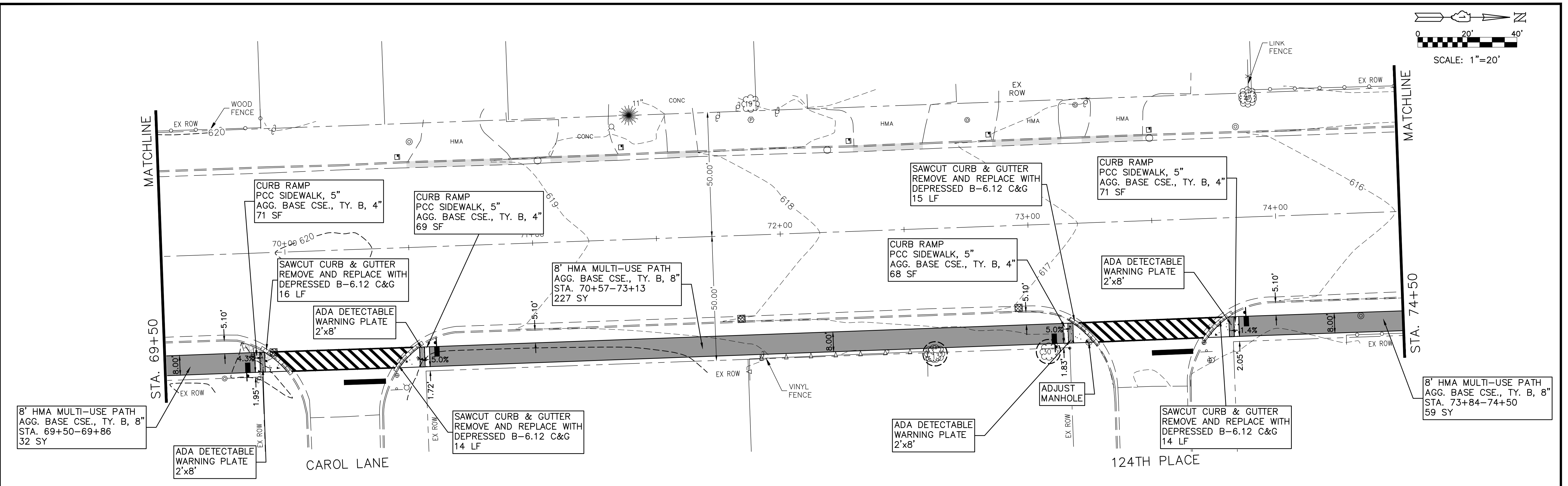
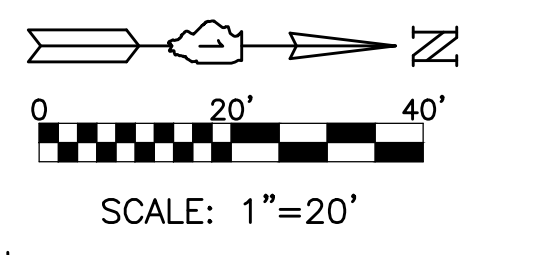


PLOT DATE: Nov 17, 2017  
 FILENAME: ILL-TRANS-2017-11-17.dwg  
 RINGBOND AVENUE PLANS-ENR-REV-3-17-RH-300-sheets-17-plans-2017-11-17.dwg

USER NAME =	DESIGNED - EF	REVISED - 9/15/2017	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BIKE/PEDESTRIAN PATH LANDSCAPING WALKS AND PATHS - STA. 59+50 TO STA. 69+50</b>			ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE =	DRAWN - DJB	REVISED - 11/01/2017		SCALE: 1"=20'	SHEET NO. 8 OF 25 SHEETS	STA. 59+50 TO STA. 69+50	2781	16-00054-00-BT	COOK	25	8
PLOT DATE = Nov 17, 2017	CHECKED - AS	REVISED - 11/17/2017					CONTRACT NO. 61E20		ILLINOIS FED. AID PROJECT		

- PARKWAY RESTORATION STA. 59+50-69+50:**  
 TOPSOIL FURNISH AND PLACE, 4" = 896 SY  
 SODDING, SALT TOLERANT = 896 SY
- NITROGEN FERTILIZER NUTRIENT
  - PHOSPHORUS FERTILIZER NUTRIENT
  - POTASSIUM FERTILIZER NUTRIENT





PLOT DATE: Nov 17, 2017  
 FILENAME: H:\17-300 - Ridgeland Avenue PLANS-ENR REV-317-RH-300-sheets-17-plans-2017-11-17.dwg

USER NAME =	DESIGNED - EF	REVISED - 9/15/2017
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PLOT DATE = Nov 17, 2017	DATE -	REVISED -

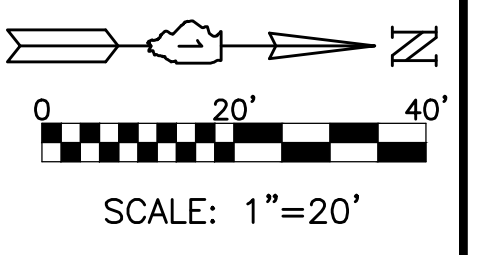
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**BIKE/PEDESTRIAN PATH LANDSCAPING**  
**WALKS AND PATHS - STA. 69+50 TO STA. 80+10**

SCALE: 1"=20'    SHEET NO. 9 OF 25 SHEETS    STA. 69+50 TO STA. 80+10

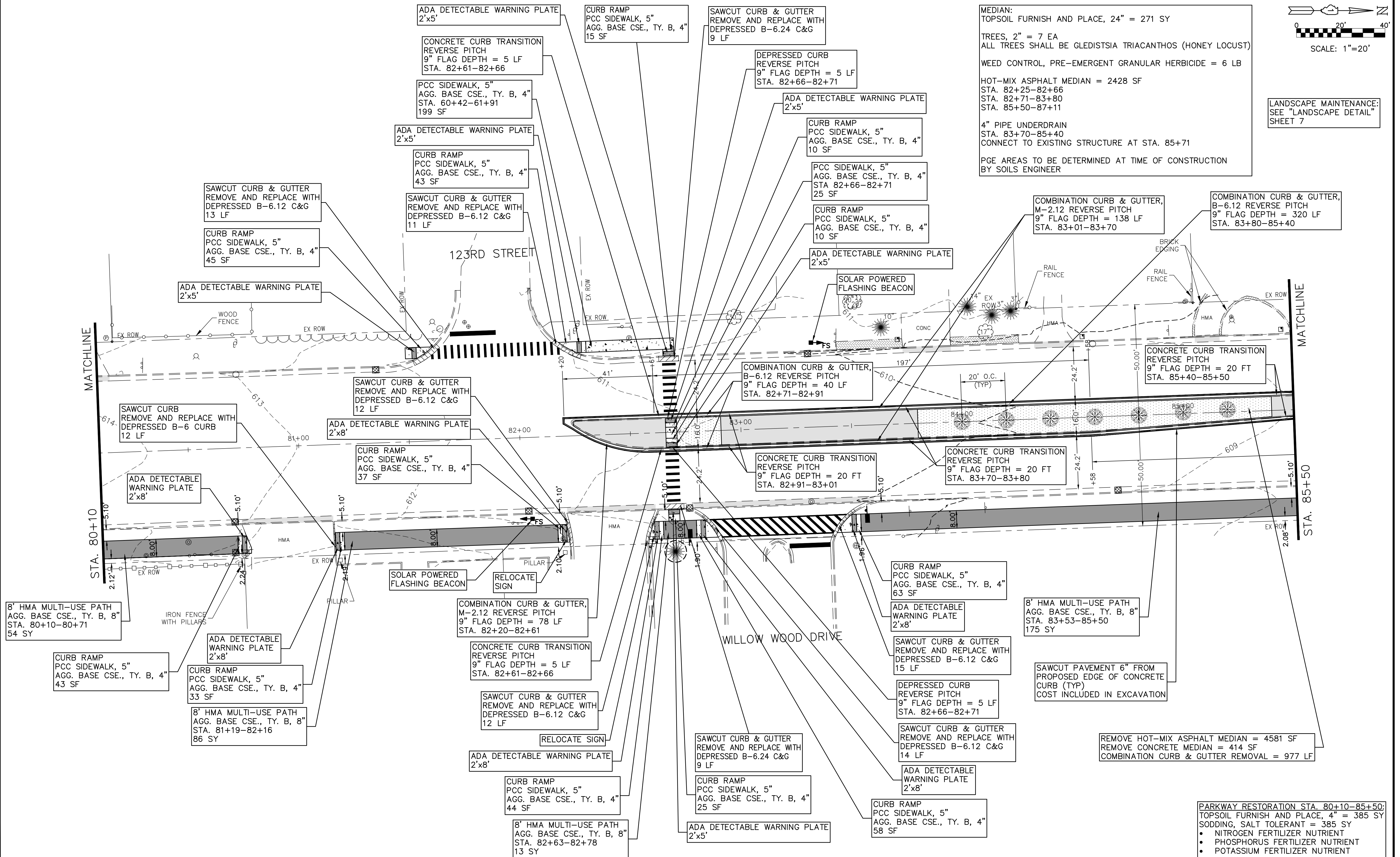
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2781	16-00054-00-BT	COOK	25	9
			CONTRACT NO. 61E20	
ILLINOIS FED. AID PROJECT				

PLOT DATE: Nov 17, 2017  
 FILENAME: PLANS-ENR-REV-317-RH-300-sheets-17-plans-2017-11-17.dwg



MEDIAN:  
 TOPSOIL FURNISH AND PLACE, 24" = 271 SY  
 TREES, 2" = 7 EA  
 ALL TREES SHALL BE GLEDISTZIA TRIACANTHOS (HONEY LOCUST)  
 WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE = 6 LB  
 HOT-MIX ASPHALT MEDIAN = 2428 SF  
 STA. 82+25-82+66  
 STA. 82+71-83+80  
 STA. 85+50-87+11  
 4" PIPE UNDERDRAIN  
 STA. 83+70-85+40  
 CONNECT TO EXISTING STRUCTURE AT STA. 85+71  
 PGE AREAS TO BE DETERMINED AT TIME OF CONSTRUCTION  
 BY SOILS ENGINEER

LANDSCAPE MAINTENANCE:  
 SEE "LANDSCAPE DETAIL"  
 SHEET 7



USER NAME =	DESIGNED - EF	REVISED - 9/15/2017
	DRAWN - DJB	REVISED - 11/01/2017
PLOT SCALE =	CHECKED - AS	REVISED - 11/17/2017
PLOT DATE = Nov 17, 2017	DATE -	REVISED -

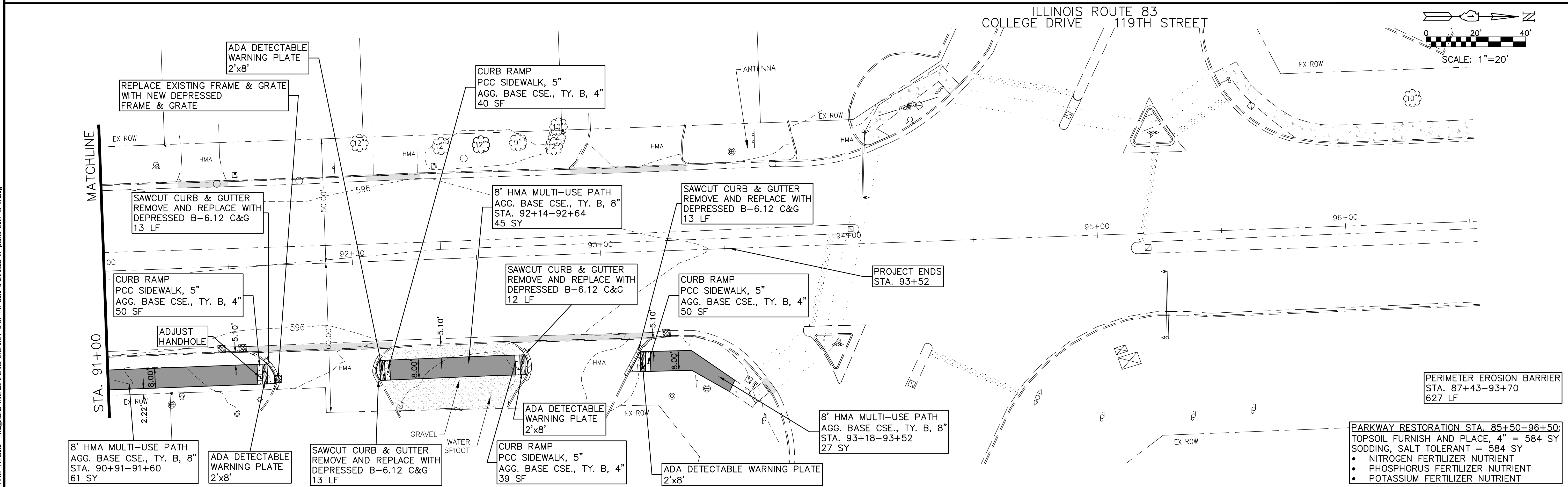
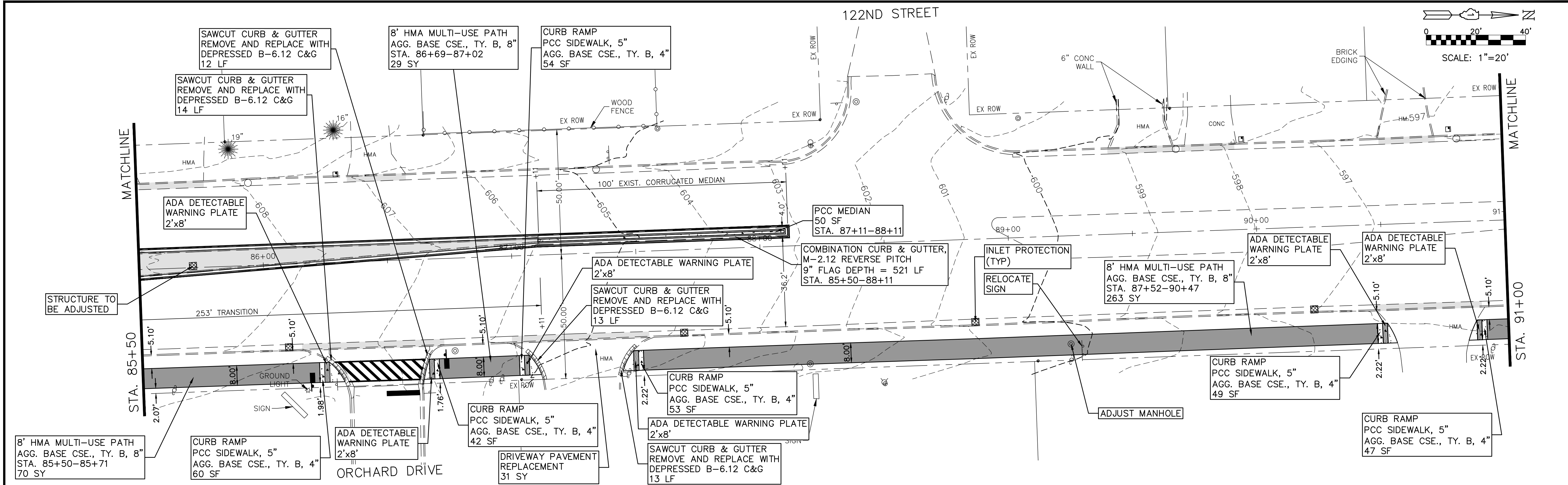
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**BIKE/PEDESTRIAN PATH LANDSCAPING**  
**WALKS AND PATHS - STA. 80+10 TO STA. 85+50**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2781	16-00054-00-BT	COOK	25	10
SCALE: 1"=20'			SHEET NO. 10 OF 25 SHEETS	
STA. 80+10 TO STA. 85+50			CONTRACT NO. 61E20	

PARKWAY RESTORATION STA. 80+10-85+50: TOPSOIL FURNISH AND PLACE, 4" = 385 SY SODDING, SALT TOLERANT = 385 SY • NITROGEN FERTILIZER NUTRIENT • PHOSPHORUS FERTILIZER NUTRIENT • POTASSIUM FERTILIZER NUTRIENT				
ILLINOIS FED. AID PROJECT				





PLOT DATE: Nov 17, 2017  
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	DATE -	REVISED -

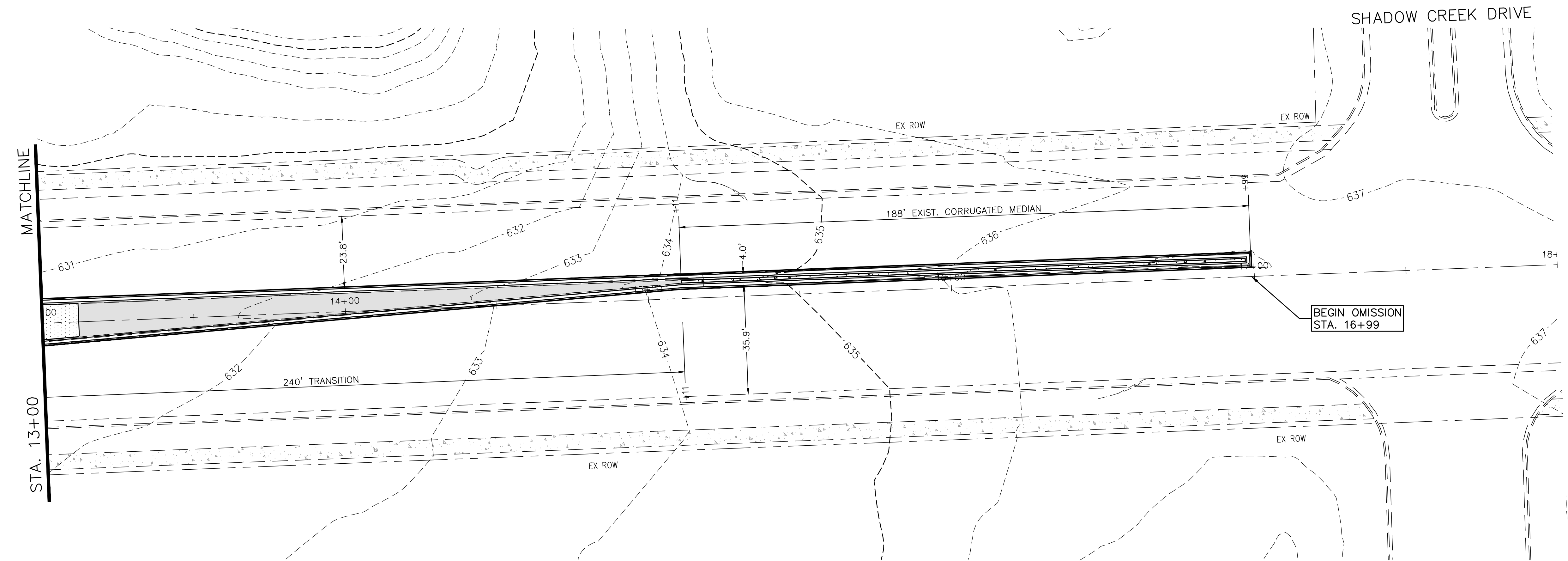
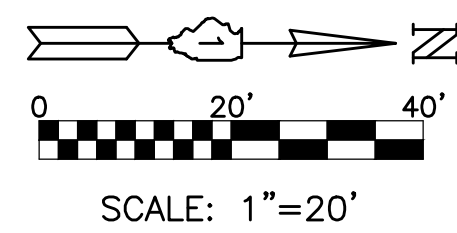
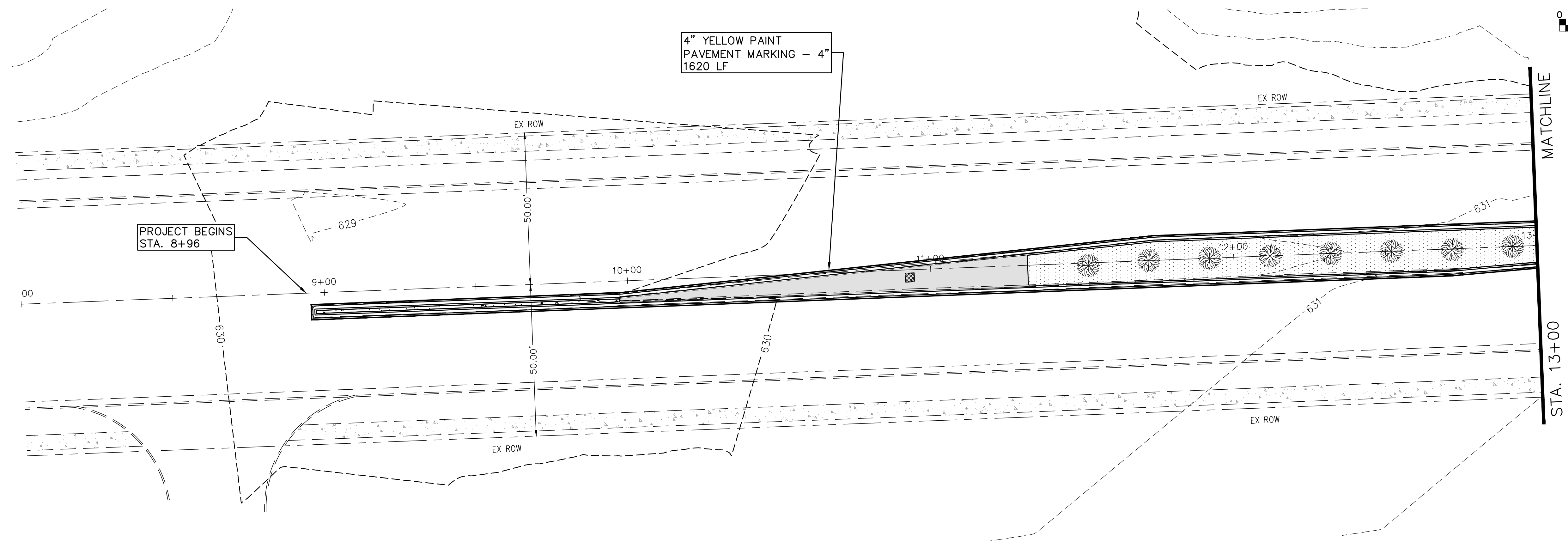
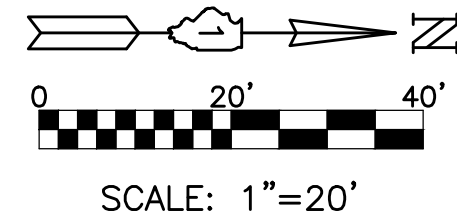
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**BIKE/PEDESTRIAN PATH LANDSCAPING**  
**WALKS AND PATHS - STA. 85+50 TO STA. 96+50**  
 SCALE: 1"=20' SHEET NO. 11 OF 25 SHEETS STA. 85+50 TO STA. 96+50

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2781	16-00054-00-BT	COOK	25	11
CONTRACT NO. 61E20			ILLINOIS FED. AID PROJECT	

PERIMETER EROSION BARRIER  
 STA. 87+43-93+70  
 627 LF  
 PARKWAY RESTORATION STA. 85+50-96+50:  
 TOPSOIL FURNISH AND PLACE, 4" = 584 SY  
 SODDING, SALT TOLERANT = 584 SY  
 • NITROGEN FERTILIZER NUTRIENT  
 • PHOSPHORUS FERTILIZER NUTRIENT  
 • POTASSIUM FERTILIZER NUTRIENT





PLOT DATE: Nov 17, 2017  
 FILENAME: P:\17-2817-2017 - Ridgeland Avenue PLANS-ENR-REV-3-17-RH-300-sheets-17-plans-2017-11-17.dwg

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PLOT DATE = Nov 17, 2017	DATE -	REVISED -

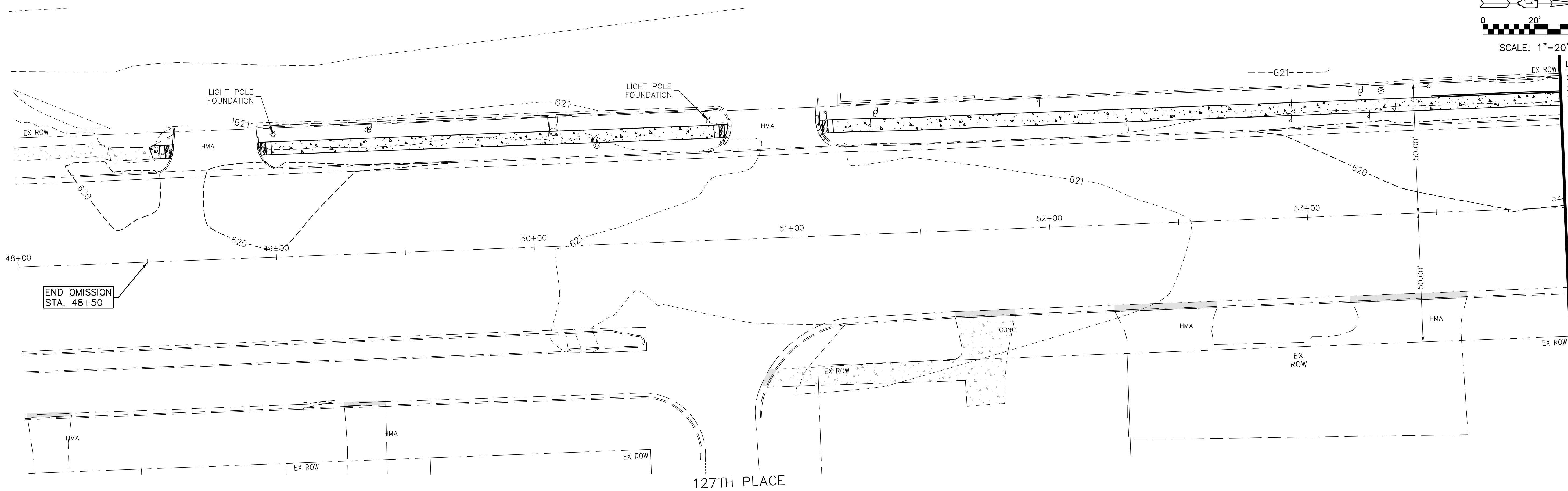
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**BIKE/PEDESTRIAN PATH LANDSCAPING**  
**STRIPING AND SIGNS - STA. 8+00 TO STA. 18+00**  
 SCALE: 1"=20'    SHEET NO. 12 OF 25 SHEETS    STA. 8+00 TO STA. 18+00

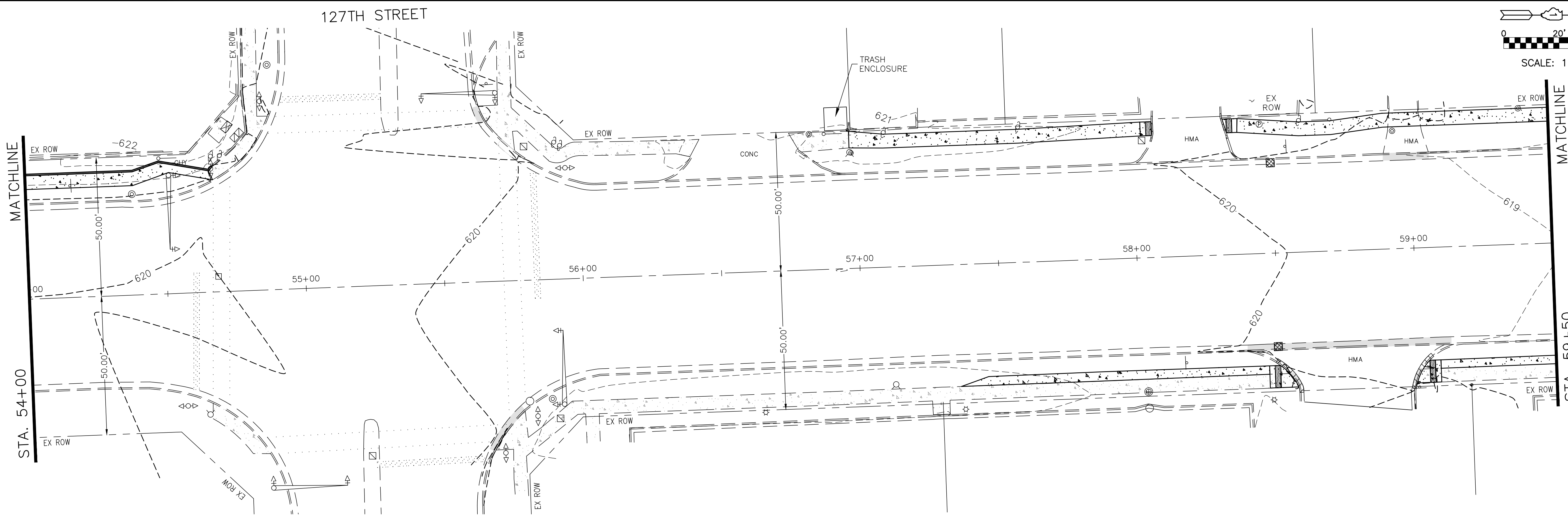
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2781	16-00054-00-BT	COOK	25	12
				CONTRACT NO. 61E20
ILLINOIS FED. AID PROJECT				



SCALE: 1"=20'



SCALE: 1"=20'



PLOT DATE: Nov 17, 2017  
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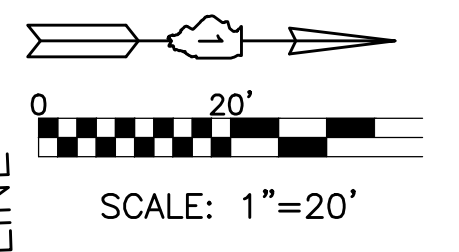
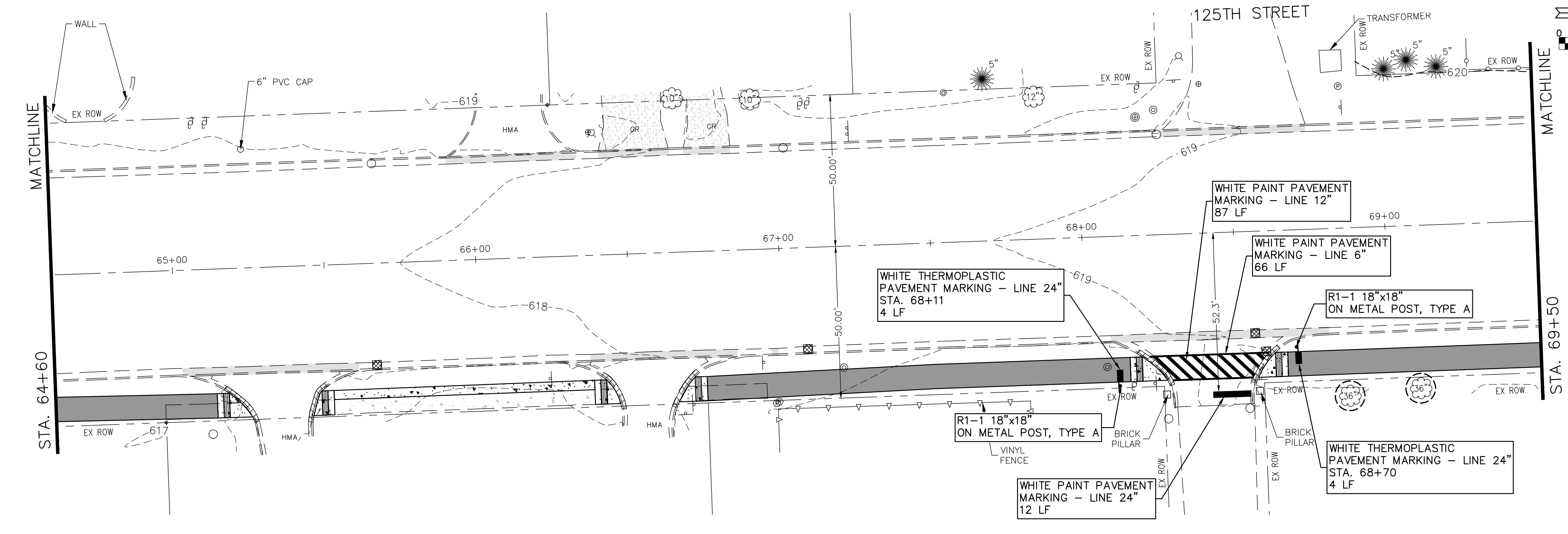
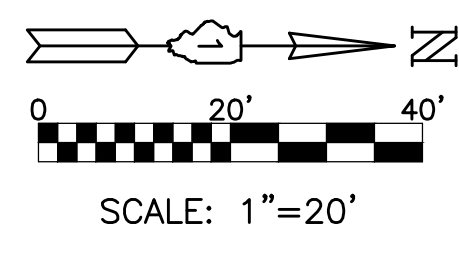
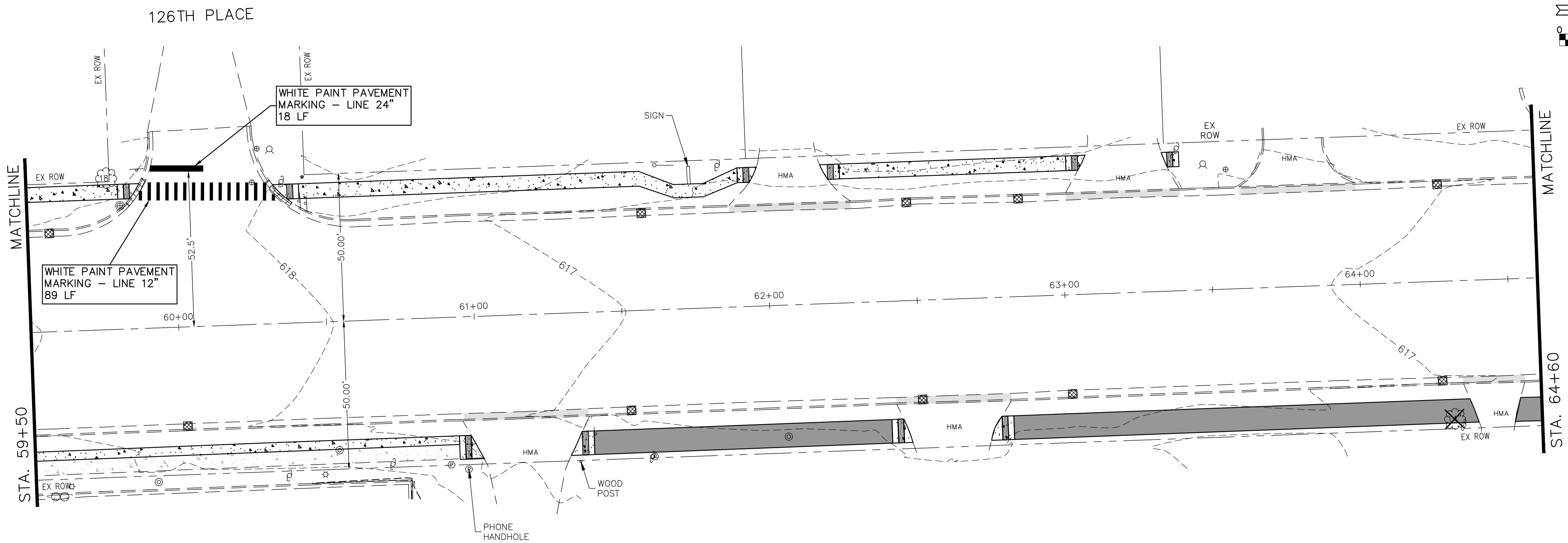
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PLOT DATE = Nov 17, 2017	DATE -	REVISED -

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

**BIKE/PEDESTRIAN PATH LANDSCAPING**  
**STRIPING AND SIGNS - STA. 48+00 TO STA. 59+50**

SCALE: 1"=20'    SHEET NO. 13 OF 25 SHEETS    STA. 48+00 TO STA. 59+50

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2781	16-00054-00-BT	COOK	25	13
CONTRACT NO. 61E20			ILLINOIS FED. AID PROJECT	



PLOT DATE: Nov 17, 2017  
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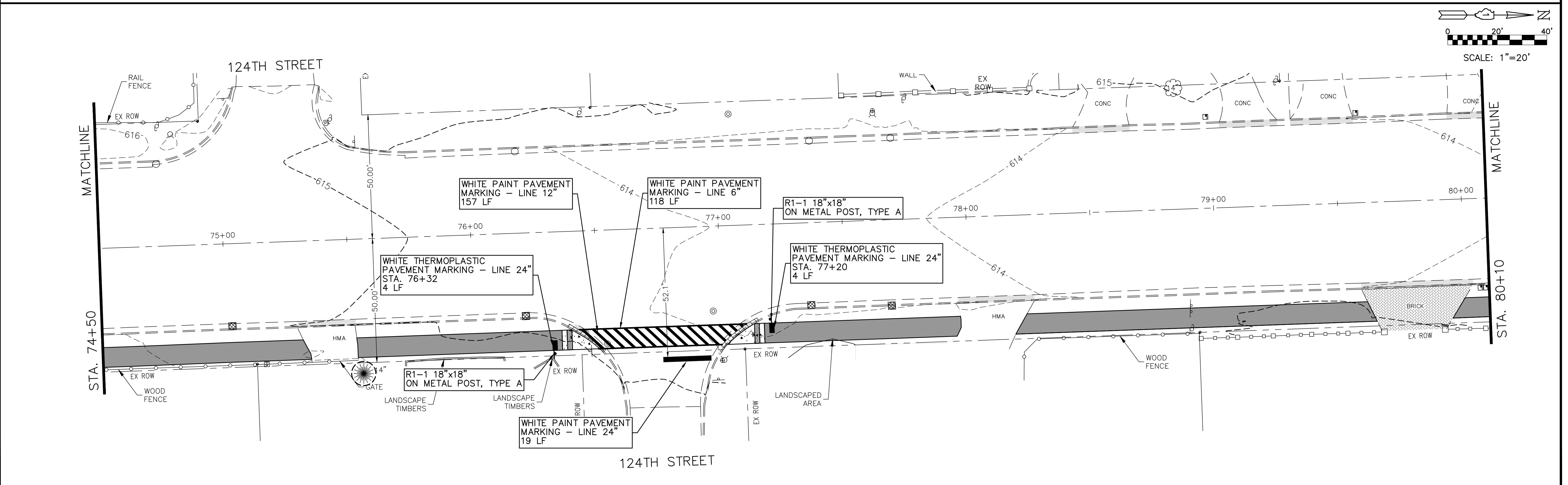
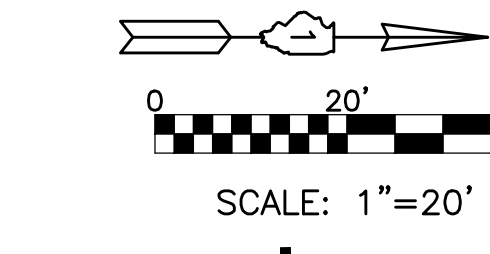
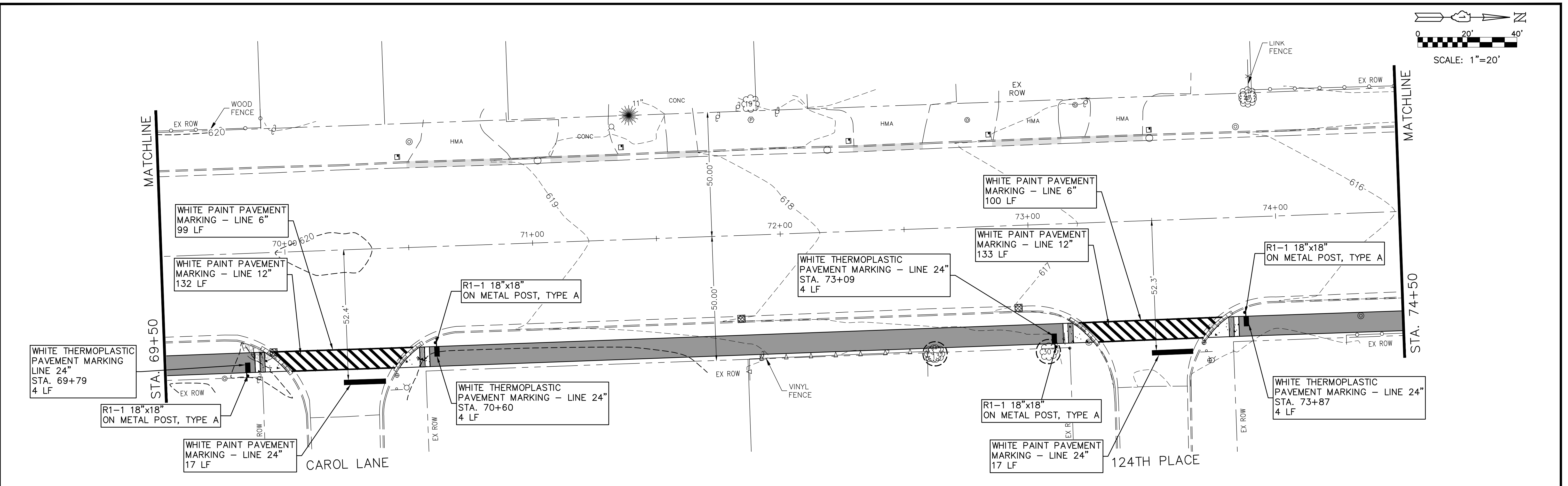
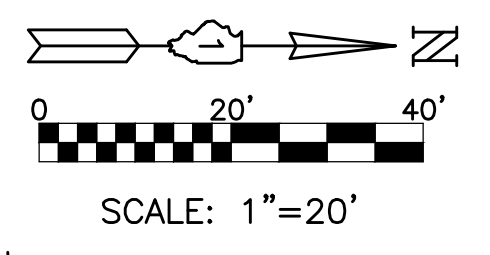
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**BIKE/PEDESTRIAN PATH LANDSCAPING**  
**STRIPING AND SIGNS - STA. 59+50 TO STA. 69+50**

SCALE: 1"=20'    SHEET NO. 14 OF 25 SHEETS    STA. 59+50 TO STA. 69+50

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2781	16-00054-00-BT	COOK	25	14
CONTRACT NO. 61E20			ILLINOIS FED. AID PROJECT	





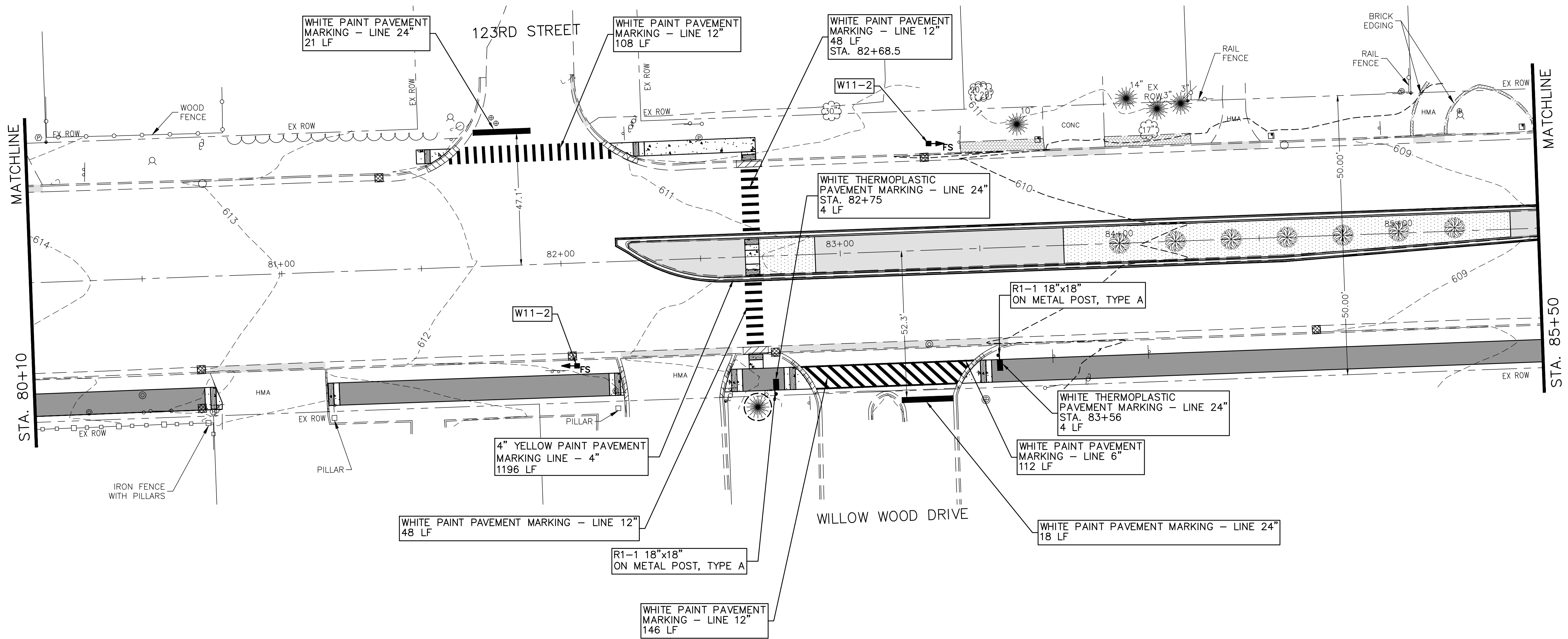
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	DRAWN - DJB	REVISED - 11/01/2017
PLOT SCALE =	CHECKED - AS	REVISED - 11/17/2017
PLOT DATE = Nov 17, 2017	DATE -	REVISED -

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

**BIKE/PEDESTRIAN PATH LANDSCAPING**  
**STRIPING AND SIGNS - STA. 69+50 TO STA. 80+10**  
 SCALE: 1"=20' SHEET NO. 15 OF 25 SHEETS STA. 69+50 TO STA. 80+10

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2781	16-00054-00-BT	COOK	25	15
			CONTRACT NO. 61E20	
ILLINOIS FED. AID PROJECT				



PLOT DATE: Nov 17, 2017  
 FILENAME: H:\17-2817-00 - Ridgeland Avenue PLANS-ENR-REV-3\17-PR-300-sheets\17-plans-2017-11-17.dwg

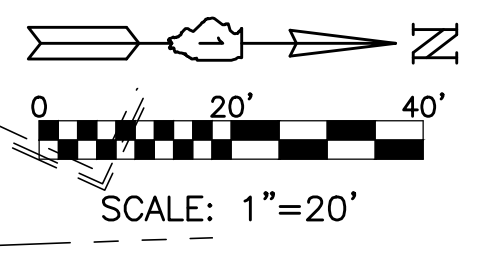
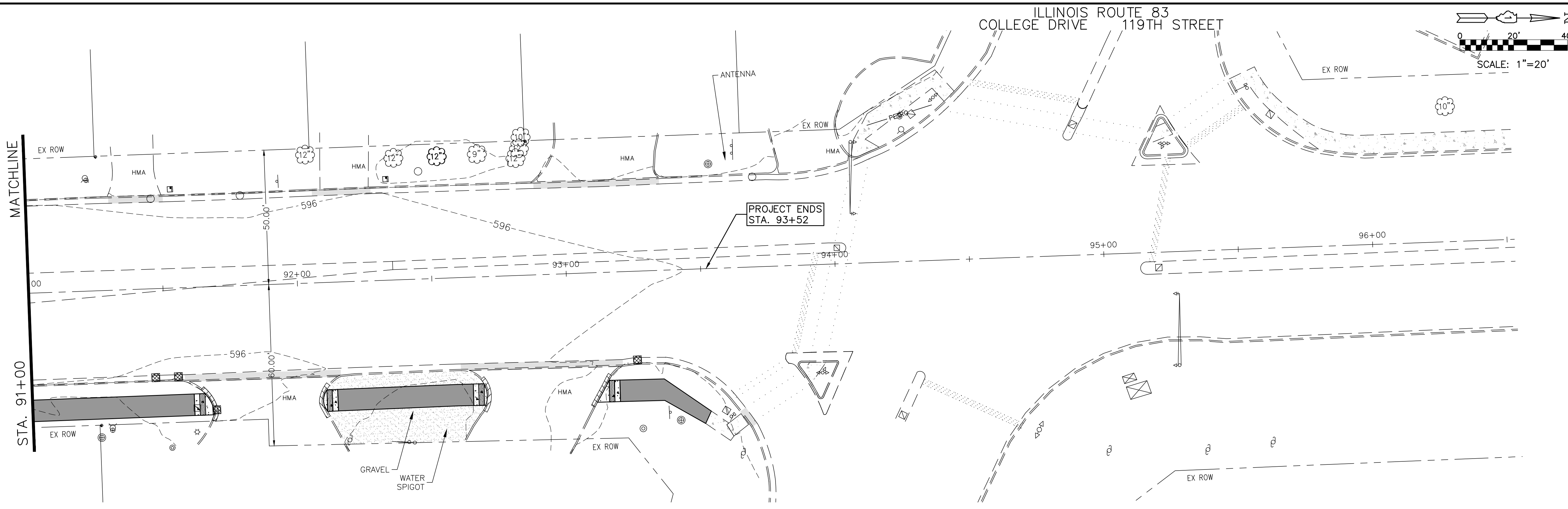
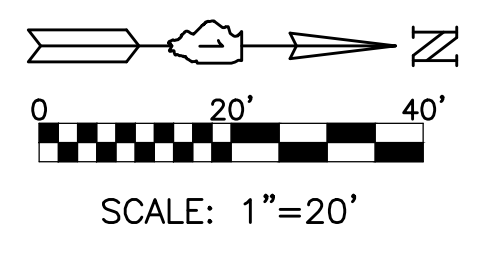
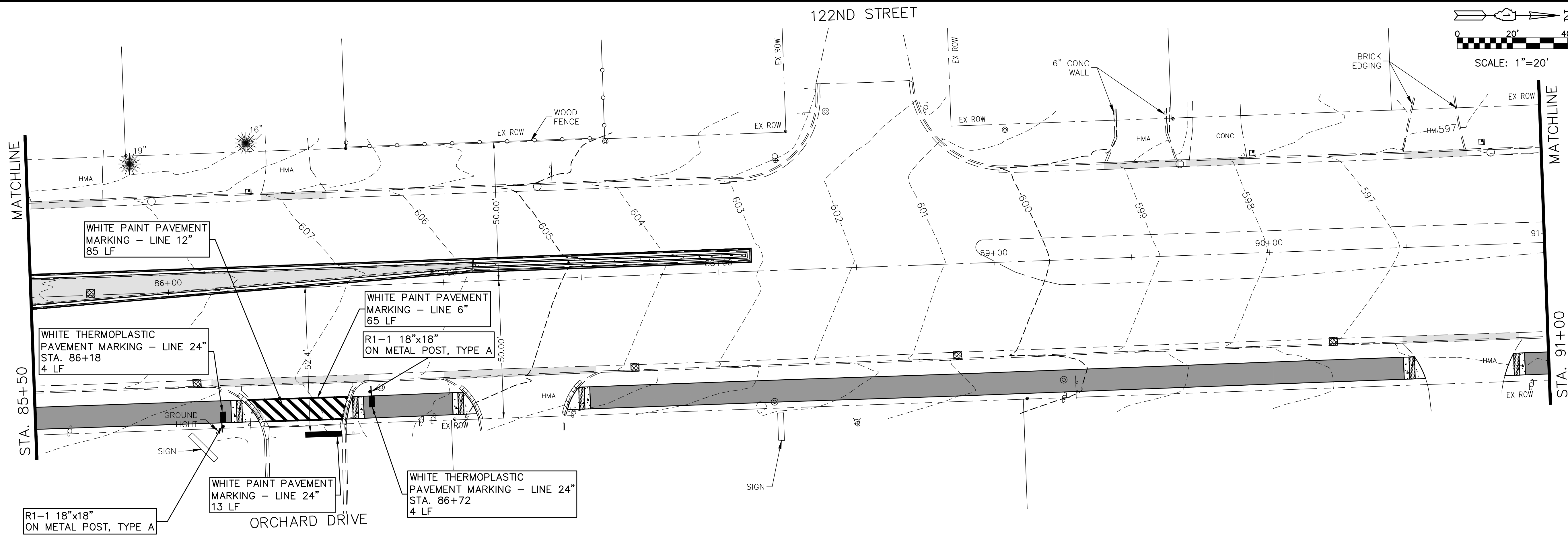
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PLOT SCALE =	CHECKED - AS	REVISED - 11/17/2017
PLOT DATE = Nov 17, 2017	DATE -	REVISED -

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

**BIKE/PEDESTRIAN PATH LANDSCAPING**  
**STRIPING AND SIGNS - STA. 80+10 TO STA. 85+50**

SCALE: 1"=20' SHEET NO. 16 OF 25 SHEETS STA. 80+10 TO STA. 85+50

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2781	16-00054-00-BT	COOK	25	16
CONTRACT NO. 61E20			ILLINOIS FED. AID PROJECT	



PLOT DATE: Nov 17, 2017  
 FILENAME: I17-FR3500 - Ridgeland Avenue PLANS-ENR.REV-317-FR-300-sheets05-17-plans-2017-11-17.dwg

USER NAME =	DESIGNED - EF	REVISED - 9/15/2017
	DRAWN - DJB	REVISED - 11/01/2017
PLOT SCALE =	CHECKED - AS	REVISED - 11/17/2017
PLOT DATE = Nov 17, 2017	DATE -	REVISED -

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

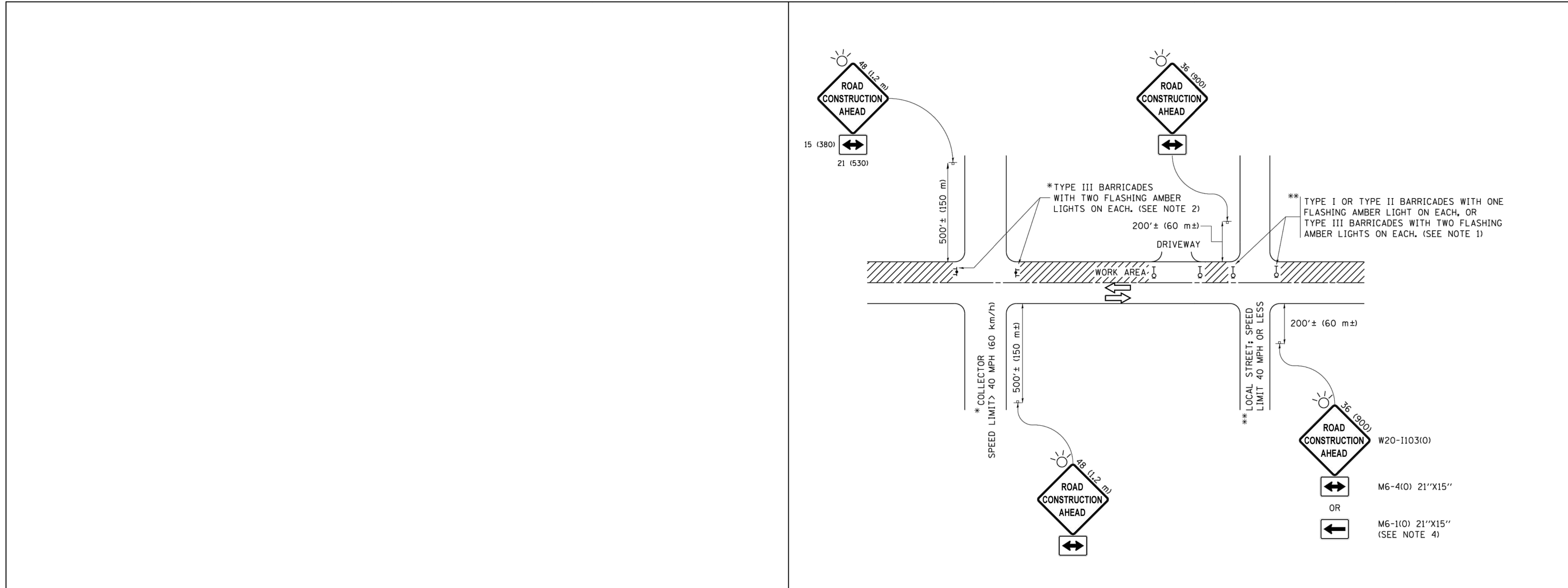
**BIKE/PEDESTRIAN PATH LANDSCAPING**  
**STRIPING AND SIGNS - STA. 85+50 TO STA. 96+50**

SCALE: 1"=20'    SHEET NO. 17 OF 25 SHEETS    STA. 85+50 TO STA. 96+50

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2781	16-00054-00-BT	COOK	25	17
CONTRACT NO. 61E20			ILLINOIS FED. AID PROJECT	



PLOT DATE: Nov 17, 2017  
 FILENAME: I:\317-300-Plans-ENG-REV-3\17-Ph-300-sheets\05-ttc-notes-quants-2017-11-17.dwg



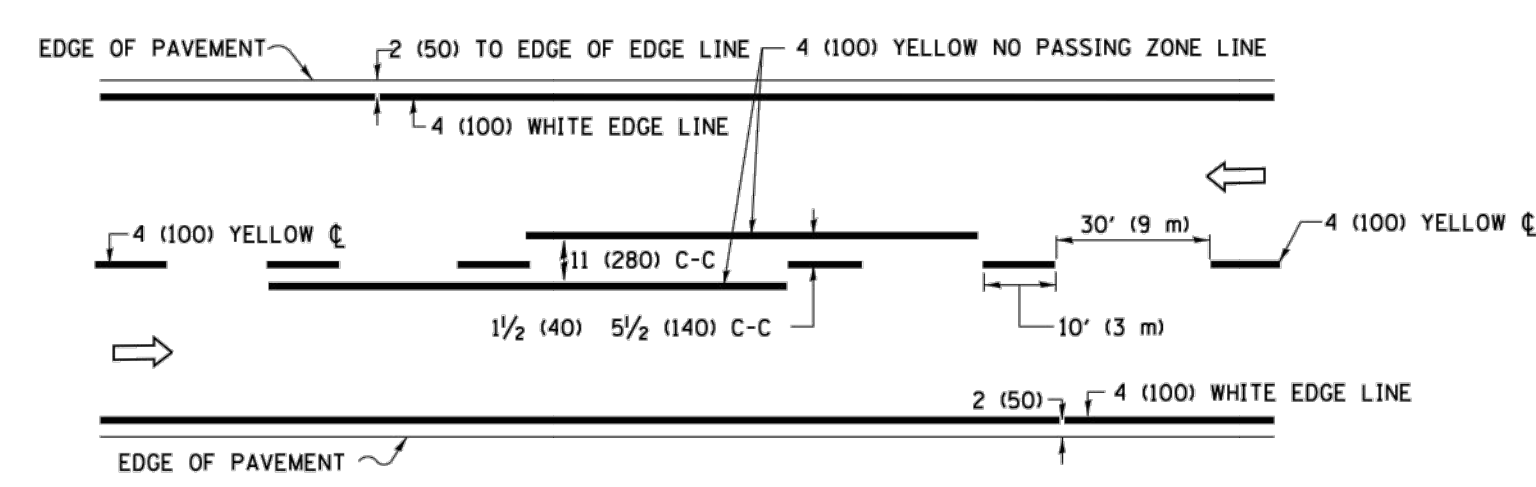
**NOTES:**

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE 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.

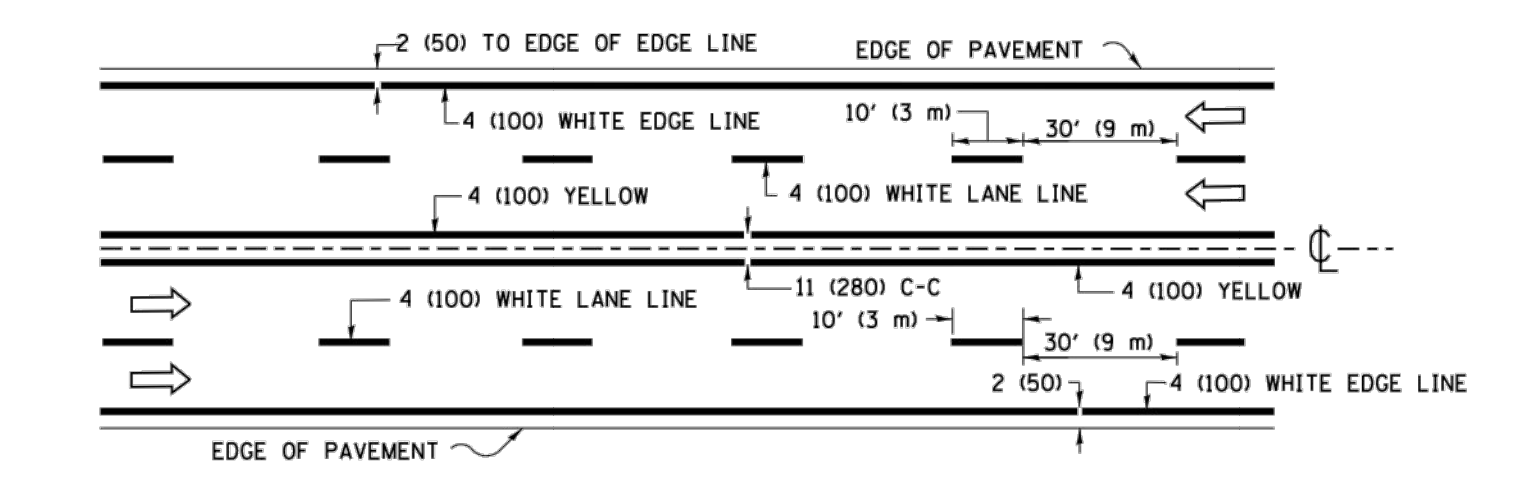
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = Footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pxi\l\884EBIDINTEG.illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\Dist	ORAWN\CA0Data\CA0sheets\tcl&dgn	REVIS	- T. RAMMACHER 01-06-00								
Default	PLOT SCALE = 50.000' / in.	CHECKED -	REVIS			- A. SCHUETZE 07-01-13	TC-10 CONTRACT NO.				
	PLOT DATE = 9/15/2016	DATE - 06-89	REVIS			- A. SCHUETZE 09-15-16	ILLINOIS FED. AID PROJECT				

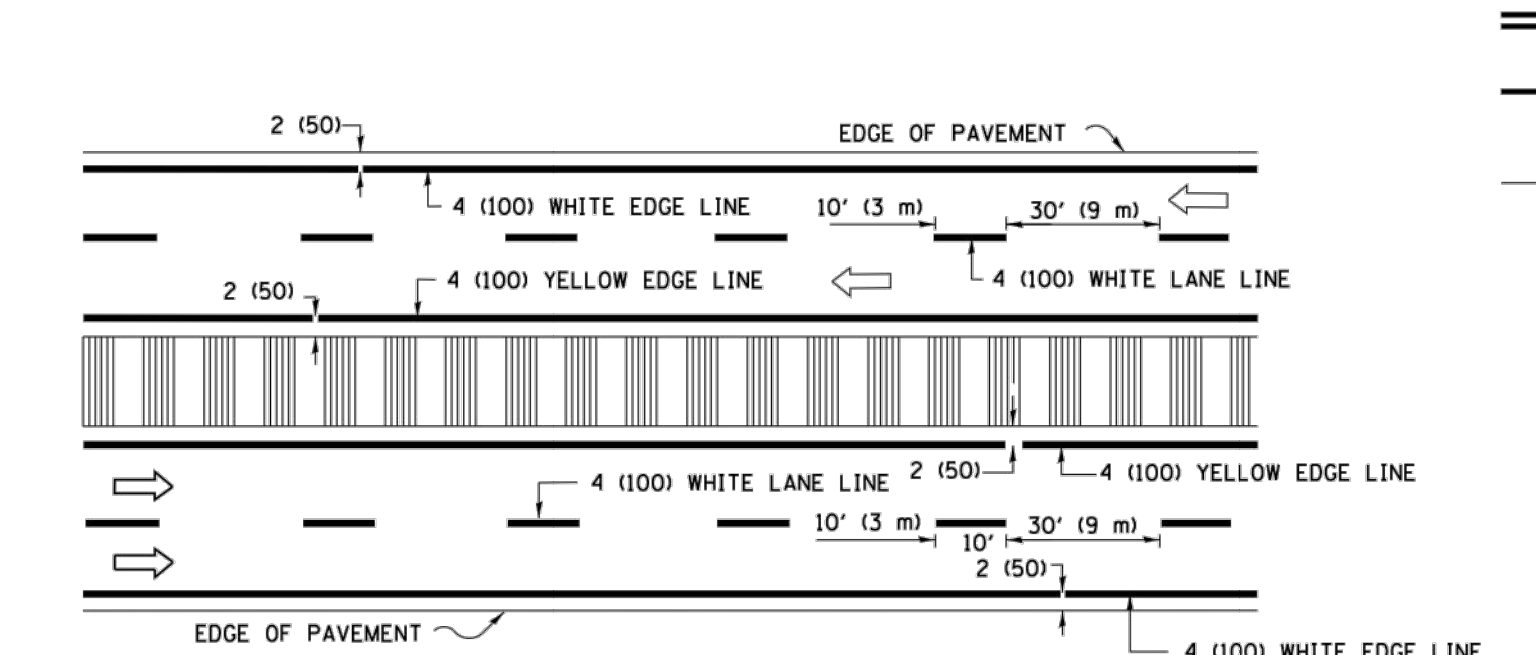
USER NAME =	DESIGNED - EF	REVISED - 9/15/2017	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BIKE/PEDESTRIAN PATH LANDSCAPING DETAILS</b>	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN - DJB	REVIS			- 11/01/2017					
	CHECKED - AS	REVIS			- 11/17/2017	CONTRACT NO. 61E20				
	PLOT DATE = Nov 17, 2017	DATE -			REVIS	-	ILLINOIS FED. AID PROJECT			



**2-LANE ROADWAY**

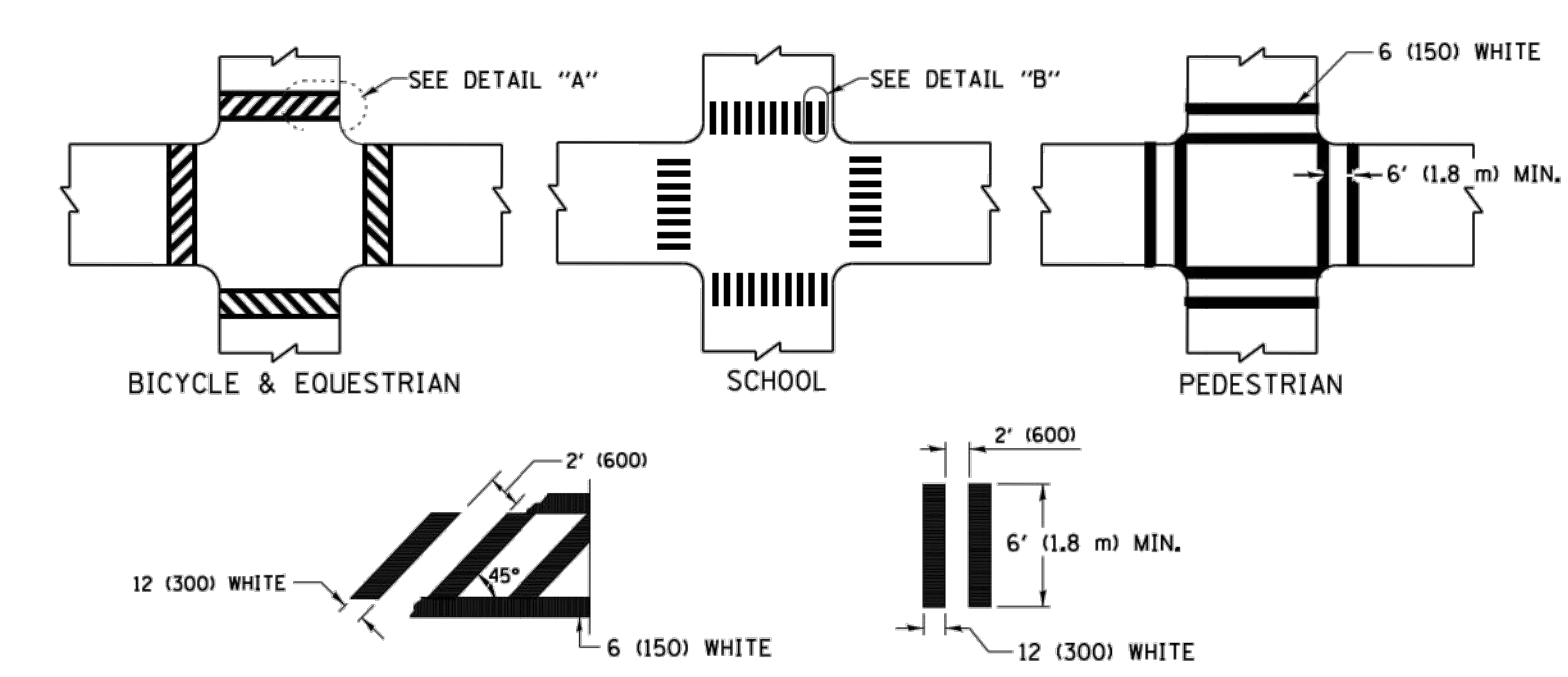


**MULTI-LANE UNDIVIDED**



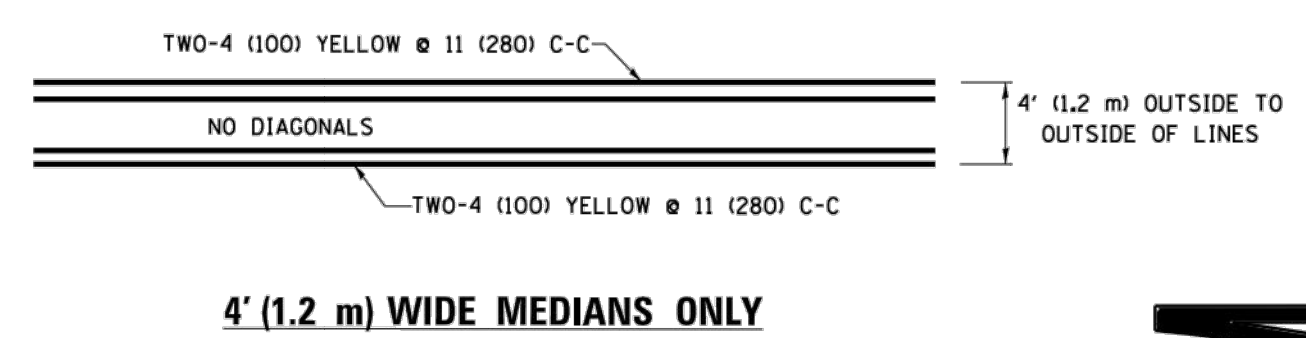
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

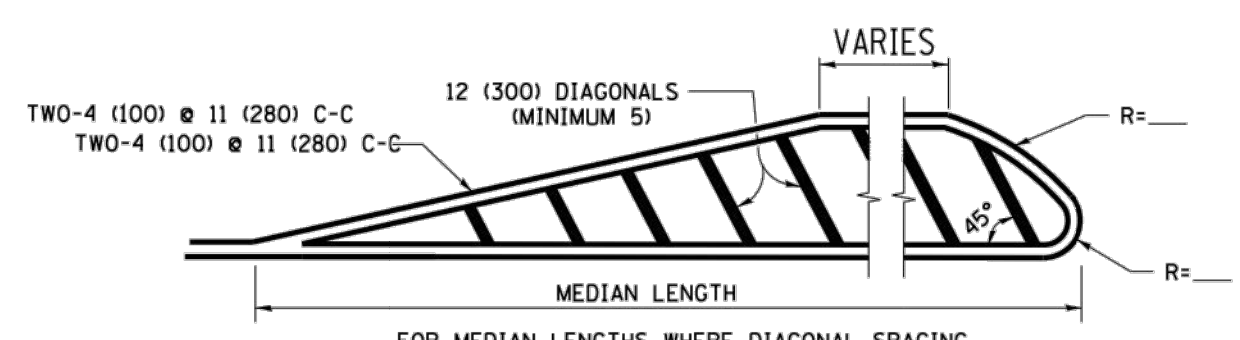


**DETAIL "A" TYPICAL CROSSWALK MARKING**

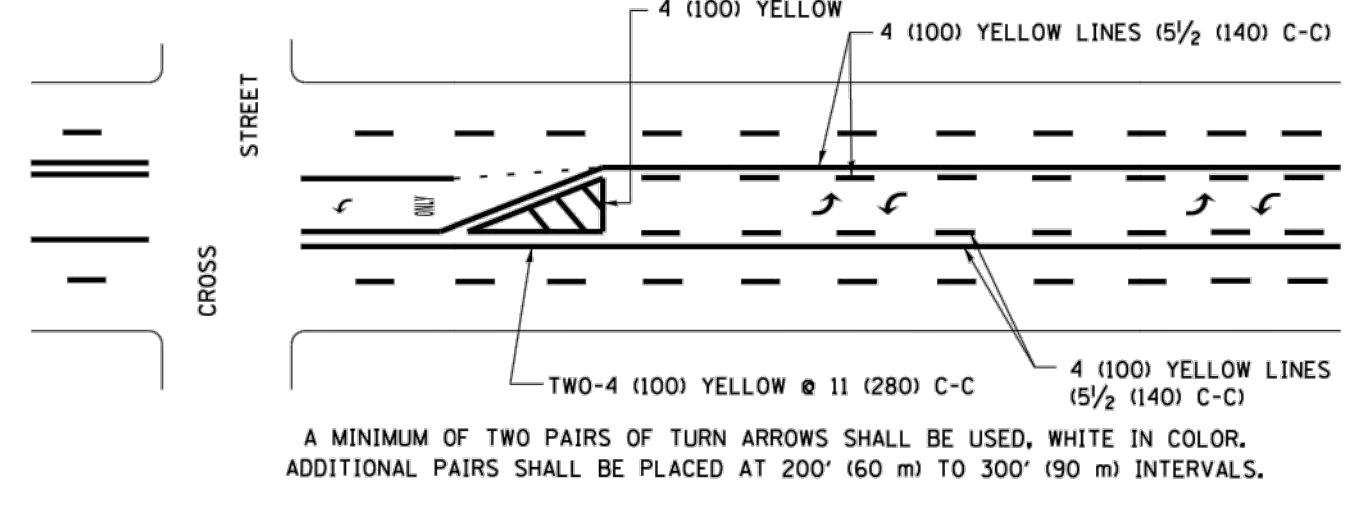
\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



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

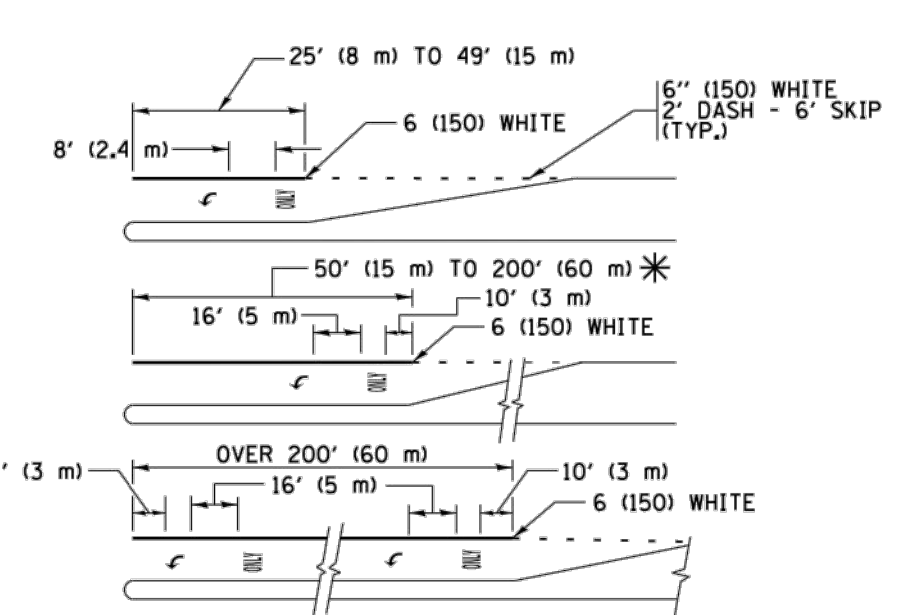


**MEDIANS OVER 4' (1.2 m) WIDE**



**MEDIAN WITH TWO-WAY LEFT TURN LANE**

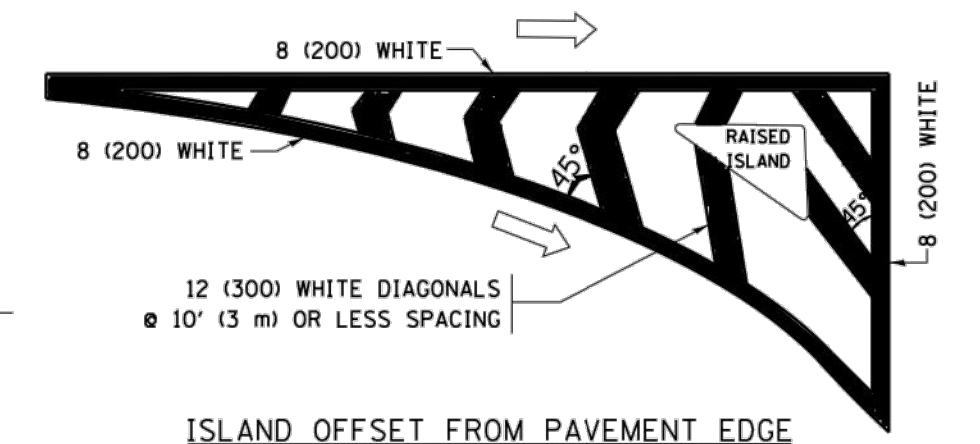
**TYPICAL PAINTED MEDIAN MARKING**



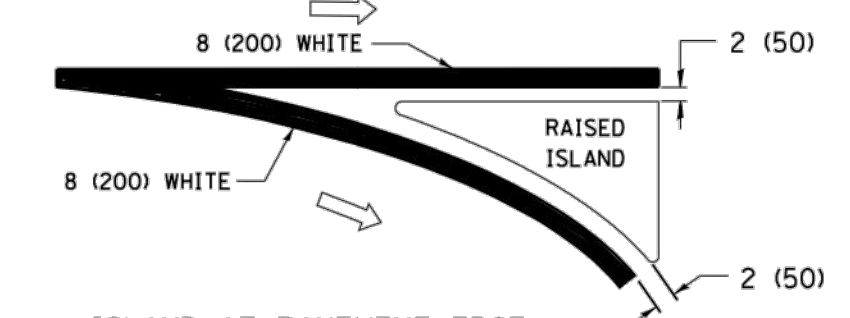
**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**

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

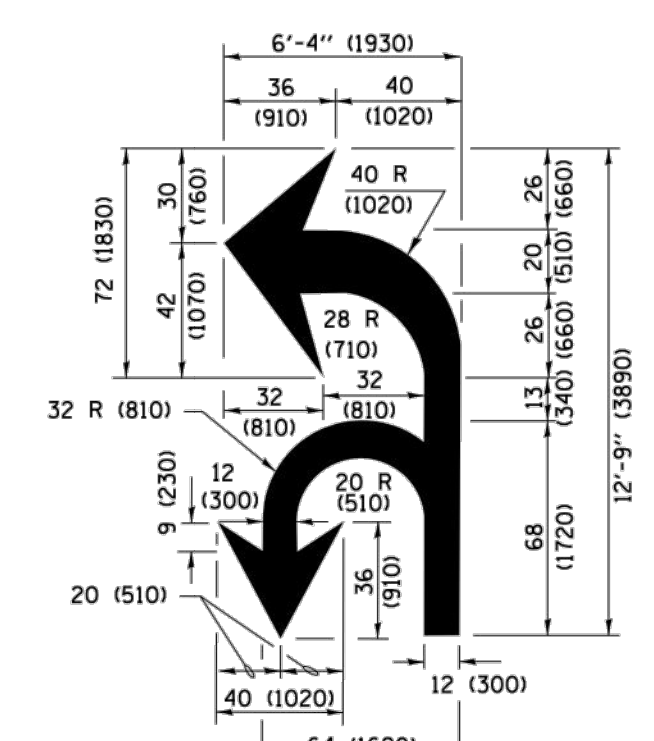


**ISLAND OFFSET FROM PAVEMENT EDGE**

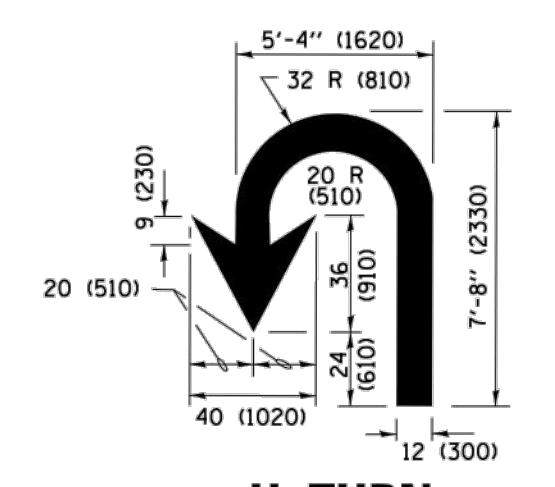


**ISLAND AT PAVEMENT EDGE**

**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

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

**LANE REDUCTION TRANSITION**

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 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.

FILE NAME = W:\diststd\22x34\tcl3.dgn	USER NAME = lsgso	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
Default	PLOT SCALE = 50.000' / in.	DRAWN -	REVISED - C. JUCIUS 07-01-13
	PLOT DATE = 6/23/2017	CHECKED -	REVISED - C. JUCIUS 12-21-15
		DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE TYPICAL PAVEMENT MARKINGS**

SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-13			
CONTRACT NO.		ILLINOIS FED. AID PROJECT		

PLOT DATE: Nov 17, 2017  
 FILENAME: N:\317-17-000 - Ridgeband Avenue PLANS-ENG-REV-317-Ph-300-sheets01-05-ttlr-notes-quantity-2017-11-17.dwg

USER NAME =	DESIGNED - EF	REVISED - 9/15/2017
	DRAWN - DJB	REVISED - 11/01/2017
PLOT SCALE =	CHECKED - AS	REVISED - 11/17/2017
PLOT DATE = Nov 17, 2017	DATE -	REVISED -

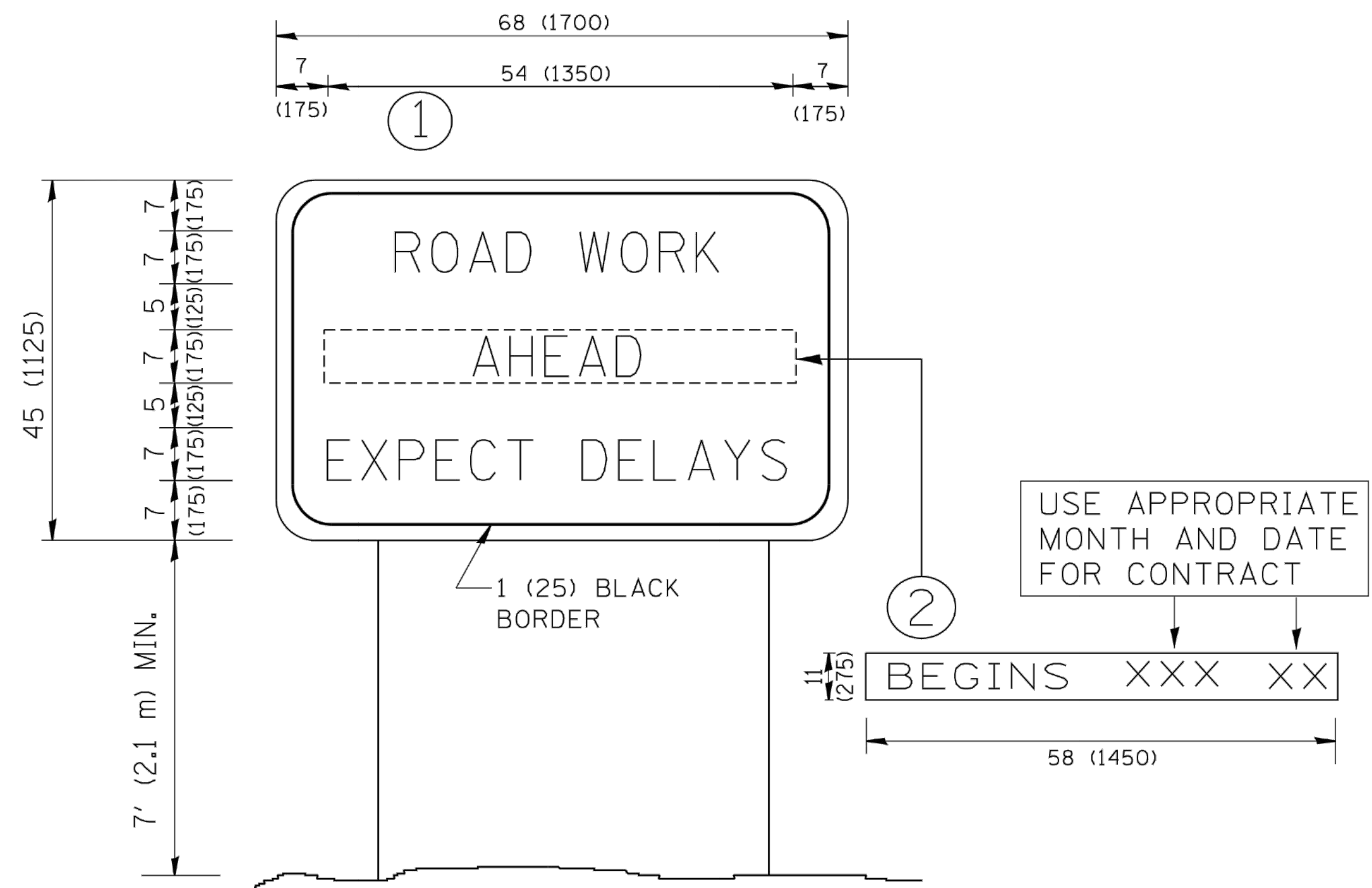
**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**BIKE/PEDESTRIAN PATH LANDSCAPING DETAILS**

SCALE: N/A	SHEET NO. 19 OF 25 SHEETS	STA. TO STA.
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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2781	16-00054-00-BT	COOK	25	19
CONTRACT NO. 61E20		ILLINOIS FED. AID PROJECT		

PLOT DATE: Nov 17, 2017  
 FILENAME: I:\317-300-ARTEIAL PLANS-ENG\REV-317-300-ARTEIAL-05-1111-11-17.dwg



**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.

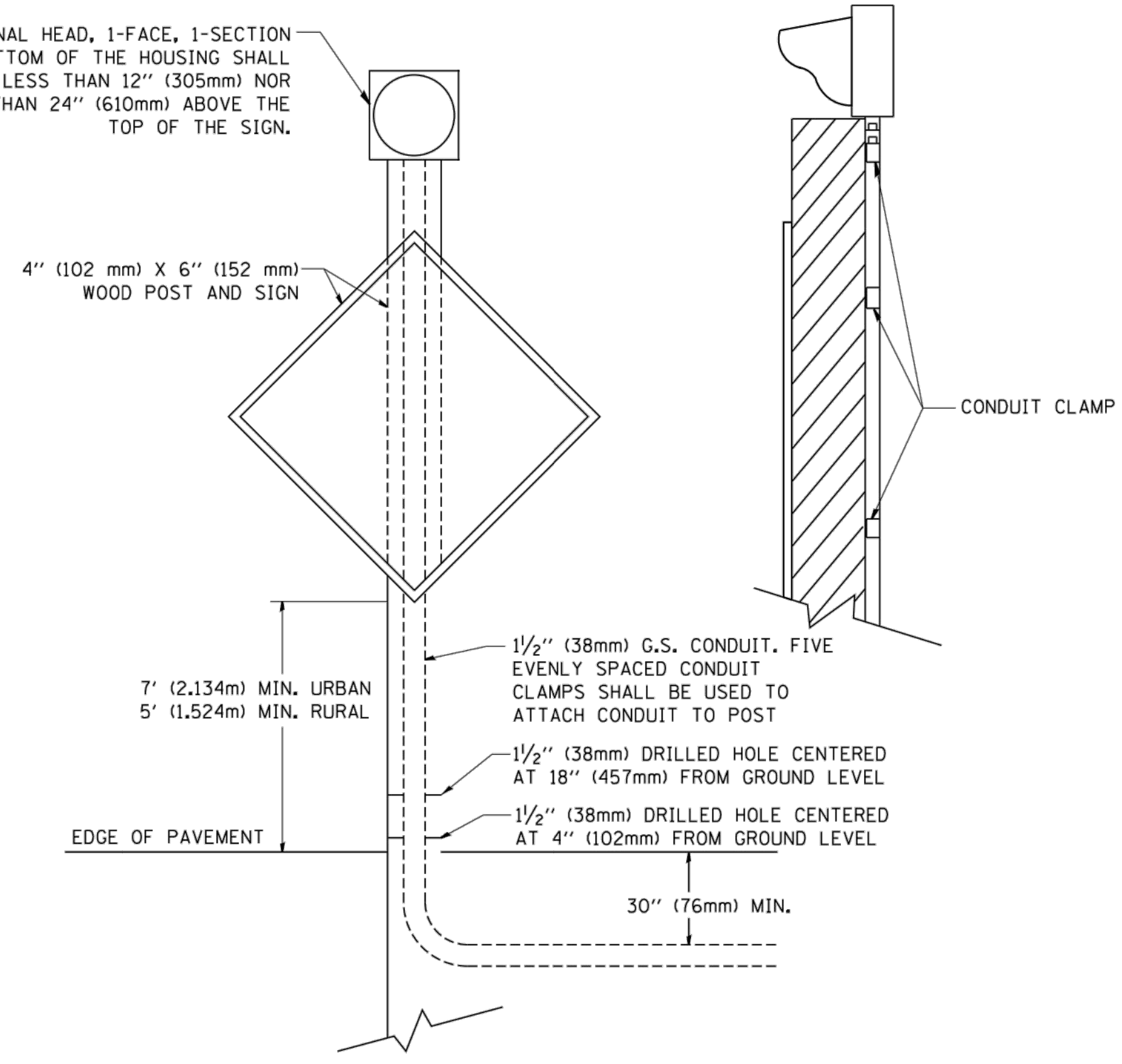
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	PLOT DATE = 1/4/2008	CHECKED -	REVISED - T. RAMMACHER 02-02-99										
		DATE -	REVISED - C. JUCIUS 01-31-07										
										<b>TC-22</b>	<b>CONTRACT NO.</b>		
										<small>FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT</small>			

USER NAME =	DESIGNED - EF	REVISED - 9/15/2017	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BIKE/PEDESTRIAN PATH LANDSCAPING DETAILS</b>	SCALE: N/A	SHEET NO. 20 OF 25 SHEETS	STA. TO STA.	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - DJB	REVISED - 11/01/2017						2781	16-00054-00-BT	COOK	25	20
	CHECKED - AS	REVISED - 11/17/2017										
	DATE -	REVISED -										
										<b>CONTRACT NO. 61E20</b>		
										<small>ILLINOIS   FED. AID PROJECT</small>		



SIGNAL HEAD, 1-FACE, 1-SECTION  
THE BOTTOM OF THE HOUSING SHALL  
BE NOT LESS THAN 12" (305mm) NOR  
MORE THAN 24" (610mm) ABOVE THE  
TOP OF THE SIGN.

4" (102 mm) X 6" (152 mm)  
WOOD POST AND SIGN



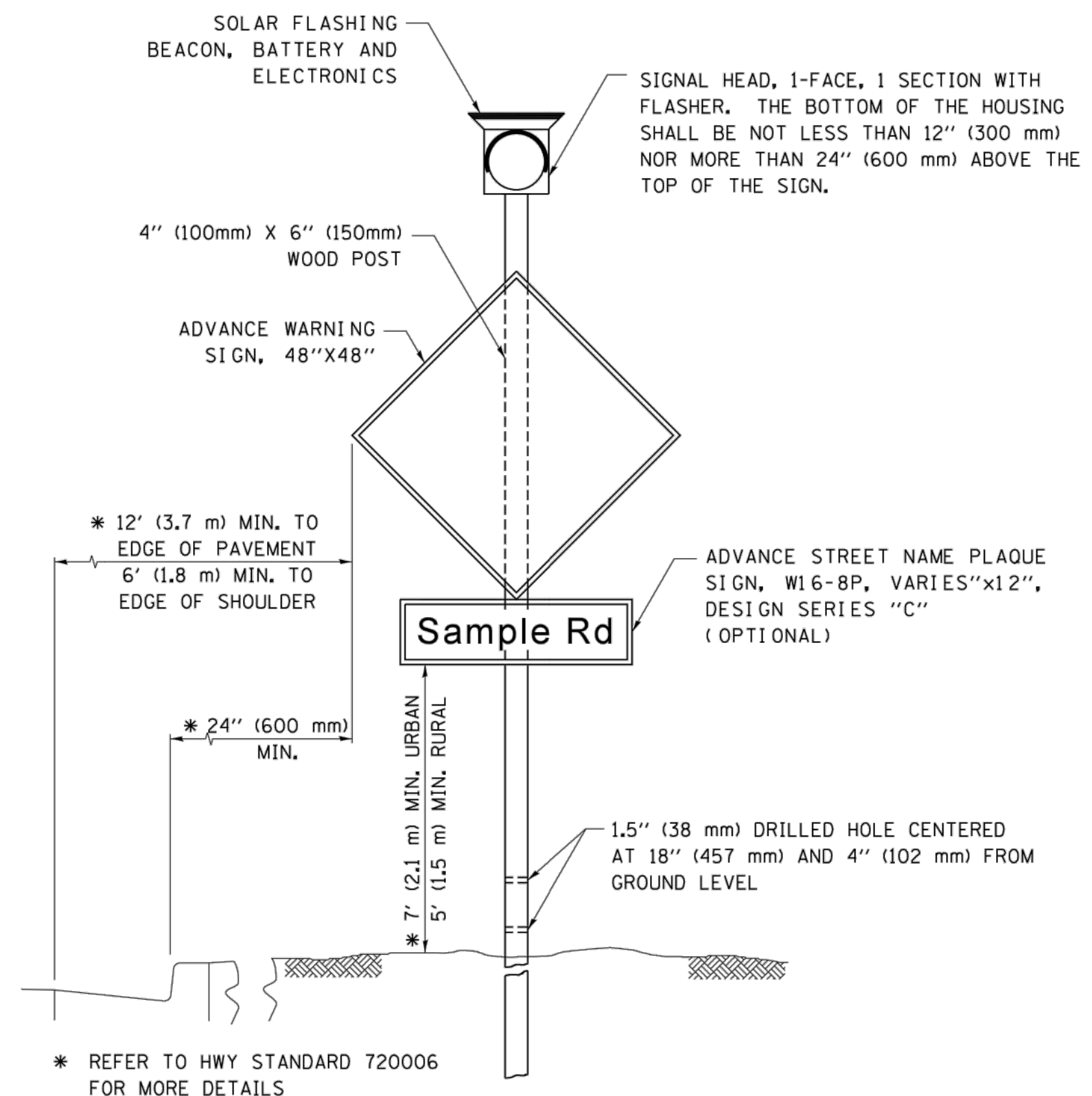
**POST MOUNTED FLASHING BEACON**

SOLAR FLASHING  
BEACON, BATTERY AND  
ELECTRONICS

4" (100mm) X 6" (150mm)  
WOOD POST

ADVANCE WARNING  
SIGN, 48"X48"

SIGNAL HEAD, 1-FACE, 1 SECTION WITH  
FLASHER. THE BOTTOM OF THE HOUSING  
SHALL BE NOT LESS THAN 12" (300 mm)  
NOR MORE THAN 24" (600 mm) ABOVE THE  
TOP OF THE SIGN.



**SOLAR POWERED FLASHING BEACON**

PLOT DATE: Nov 17, 2017  
FILE NAME: I:\Projects\2017\11-17-2017\Bike-Ped\2017-11-17.dwg

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		DRAWN - CA00Data\CA00Data\ts84.dgn	REVISED - 07-01-2015
	PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED -
	PLOT DATE = 7/31/2015	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

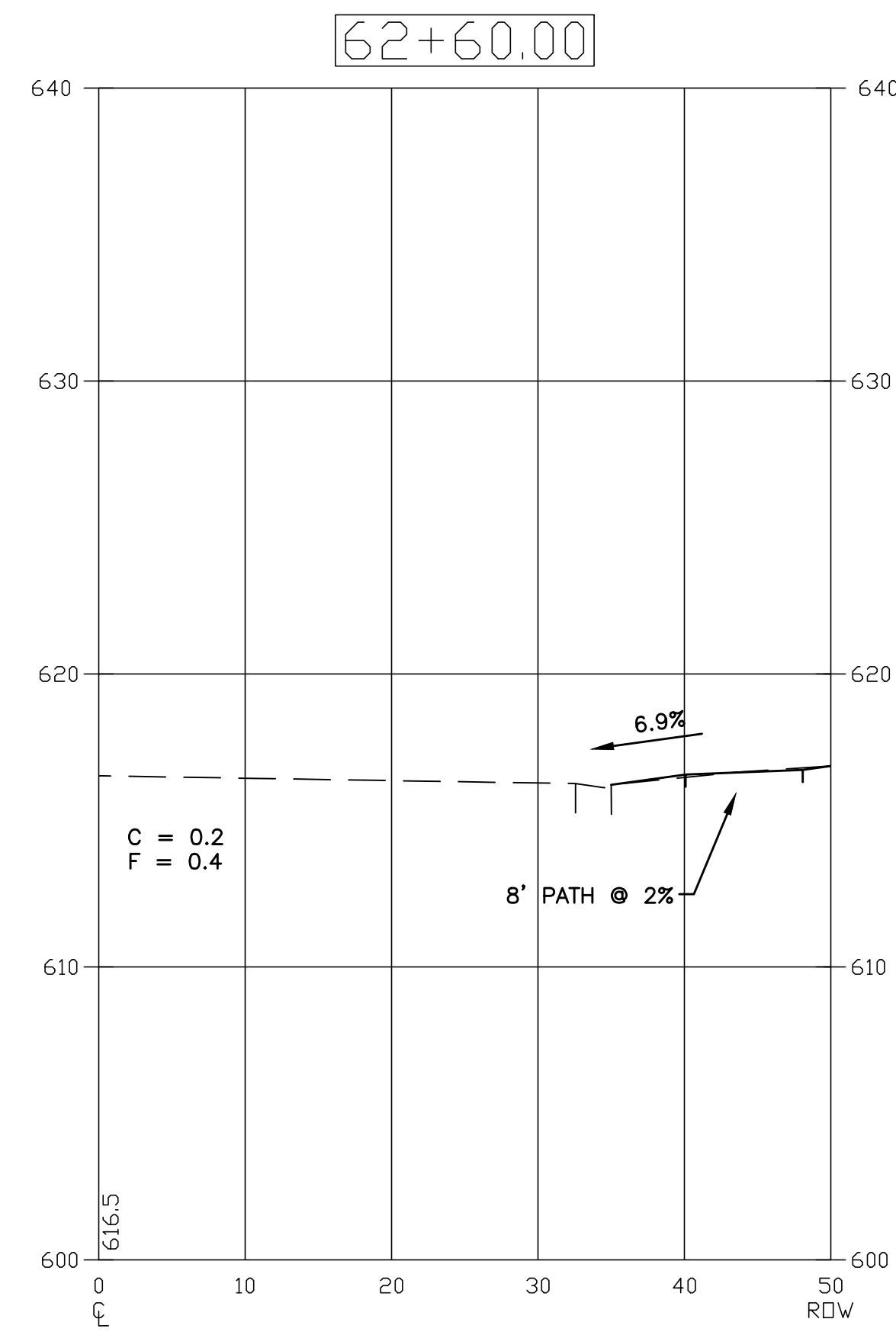
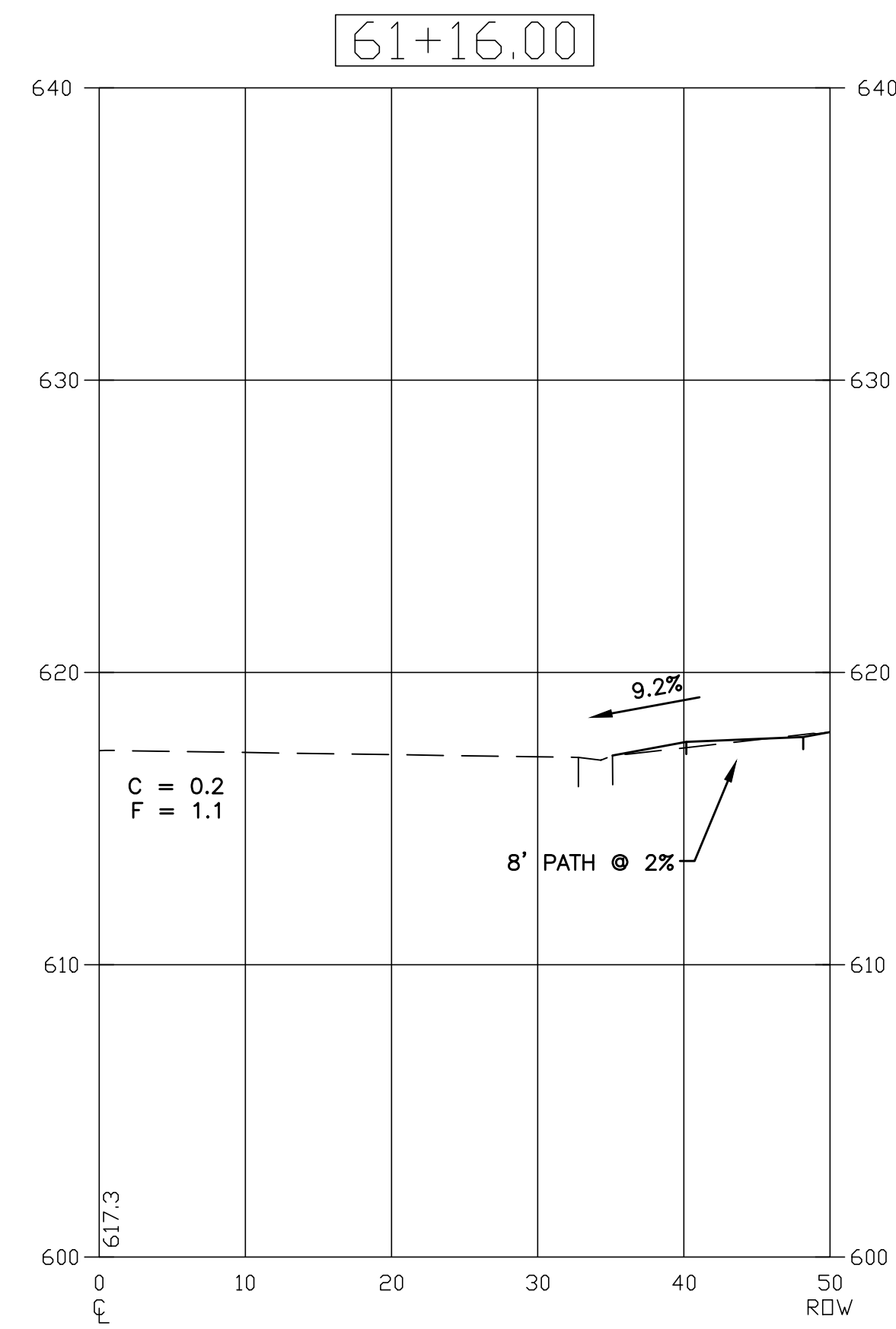
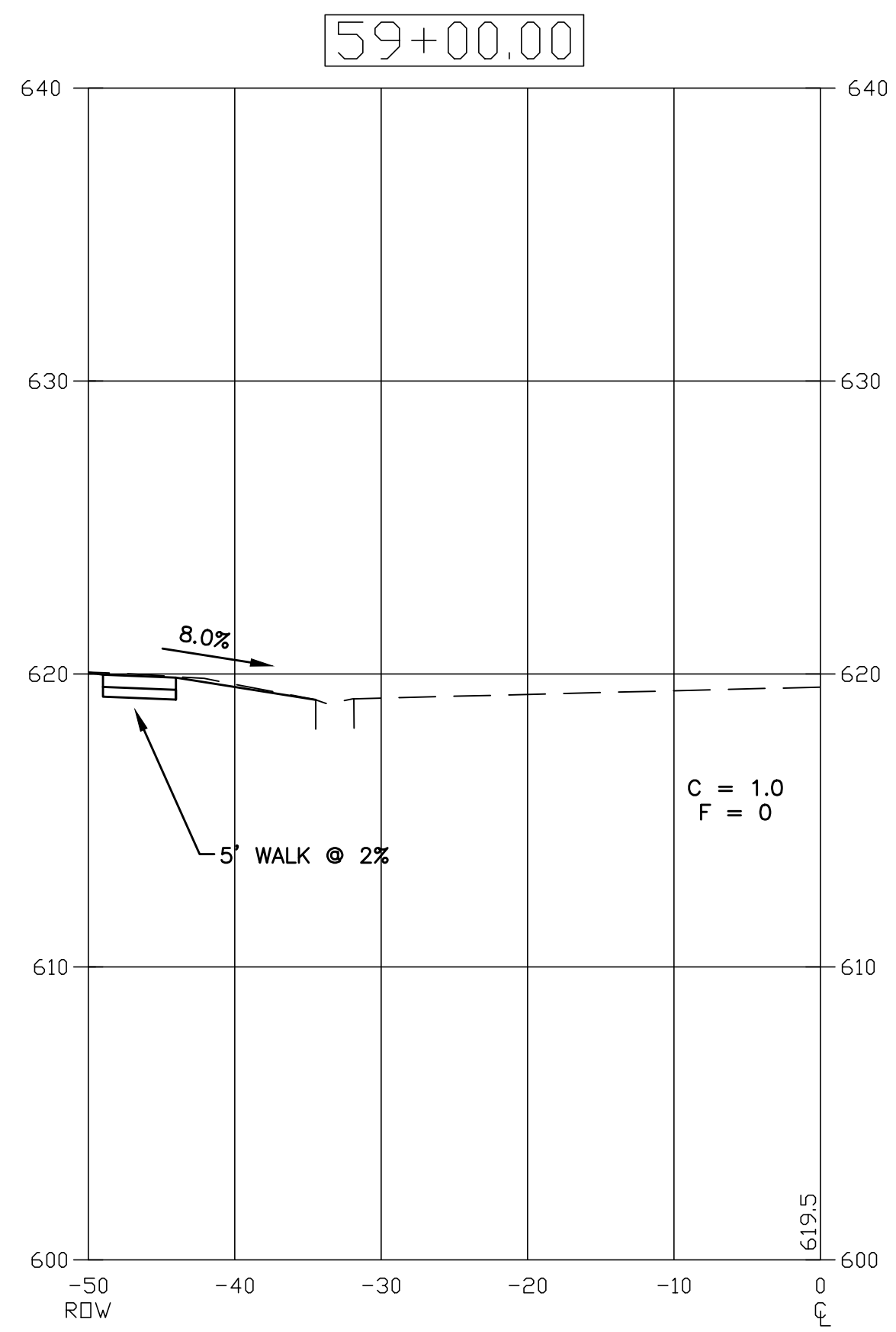
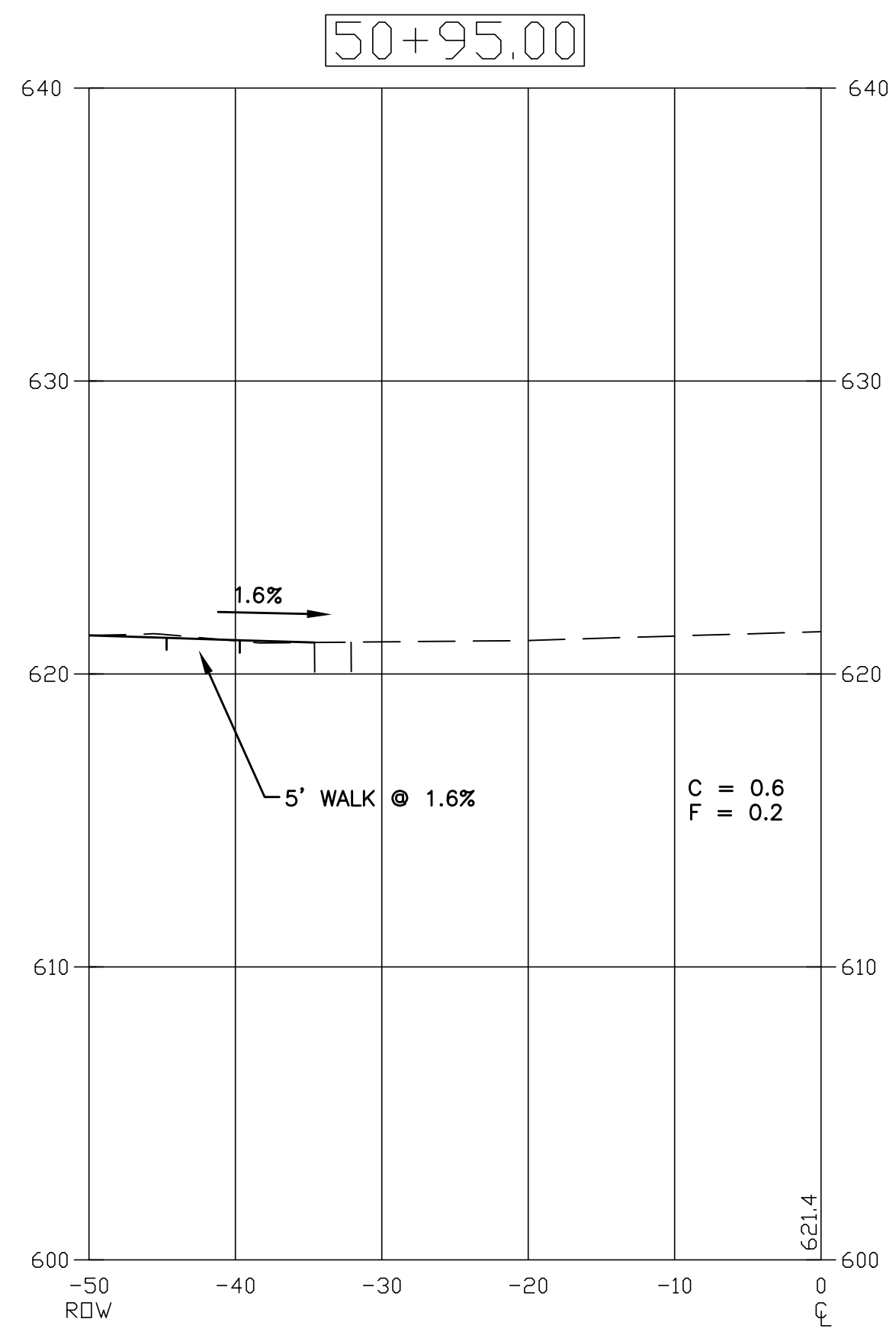
<b>DISTRICT ONE FLASHING BEACON INSTALLATION DETAILS</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NTS		SHEET 2 OF 2 SHEETS		STA.	TO STA.	
		TS-04		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT				

USER NAME =	DESIGNED - EF	REVISED - 9/15/2017
	DRAWN - DJB	REVISED - 11/01/2017
PLOT SCALE =	CHECKED - AS	REVISED - 11/17/2017
PLOT DATE = Nov 17, 2017	DATE -	REVISED -

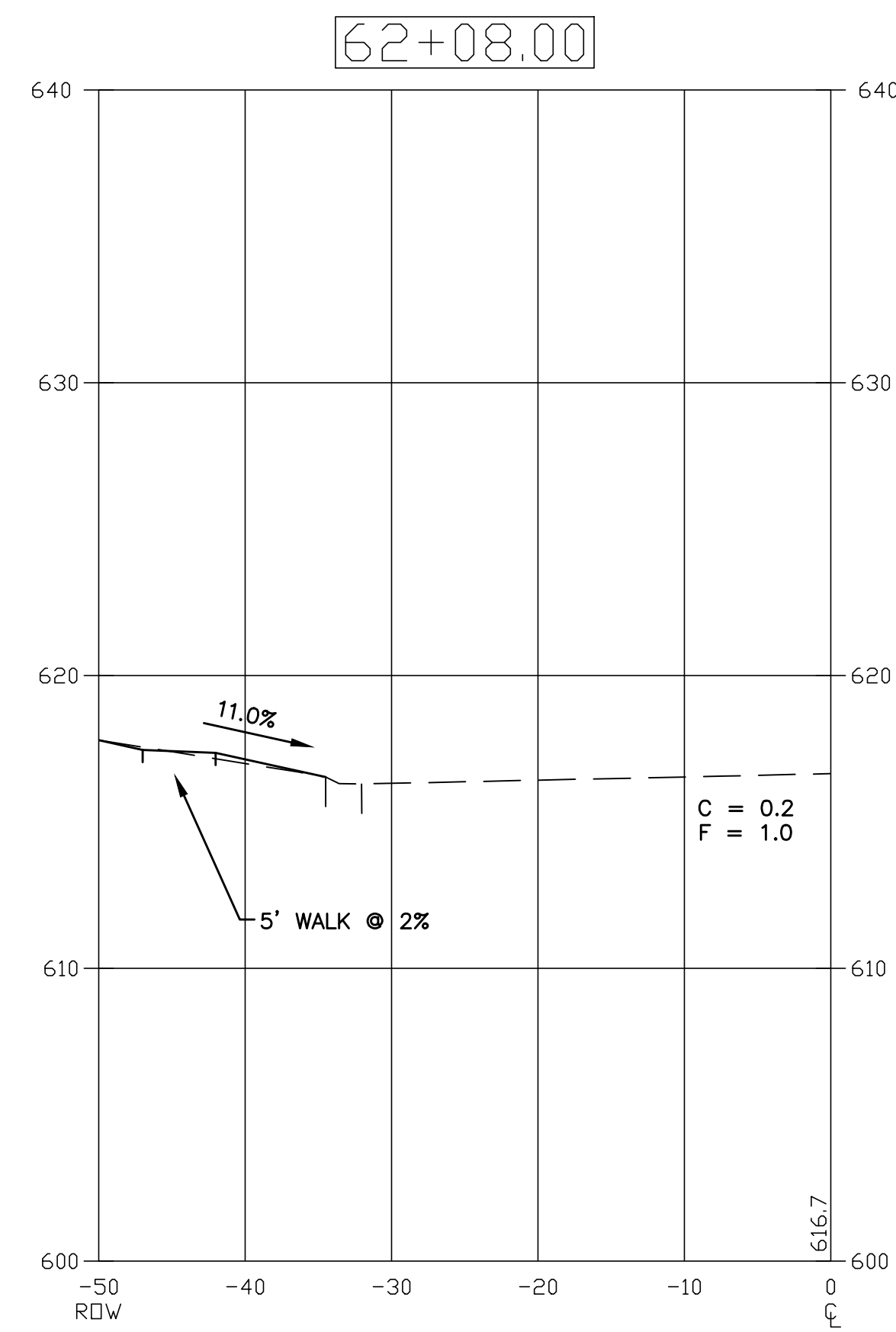
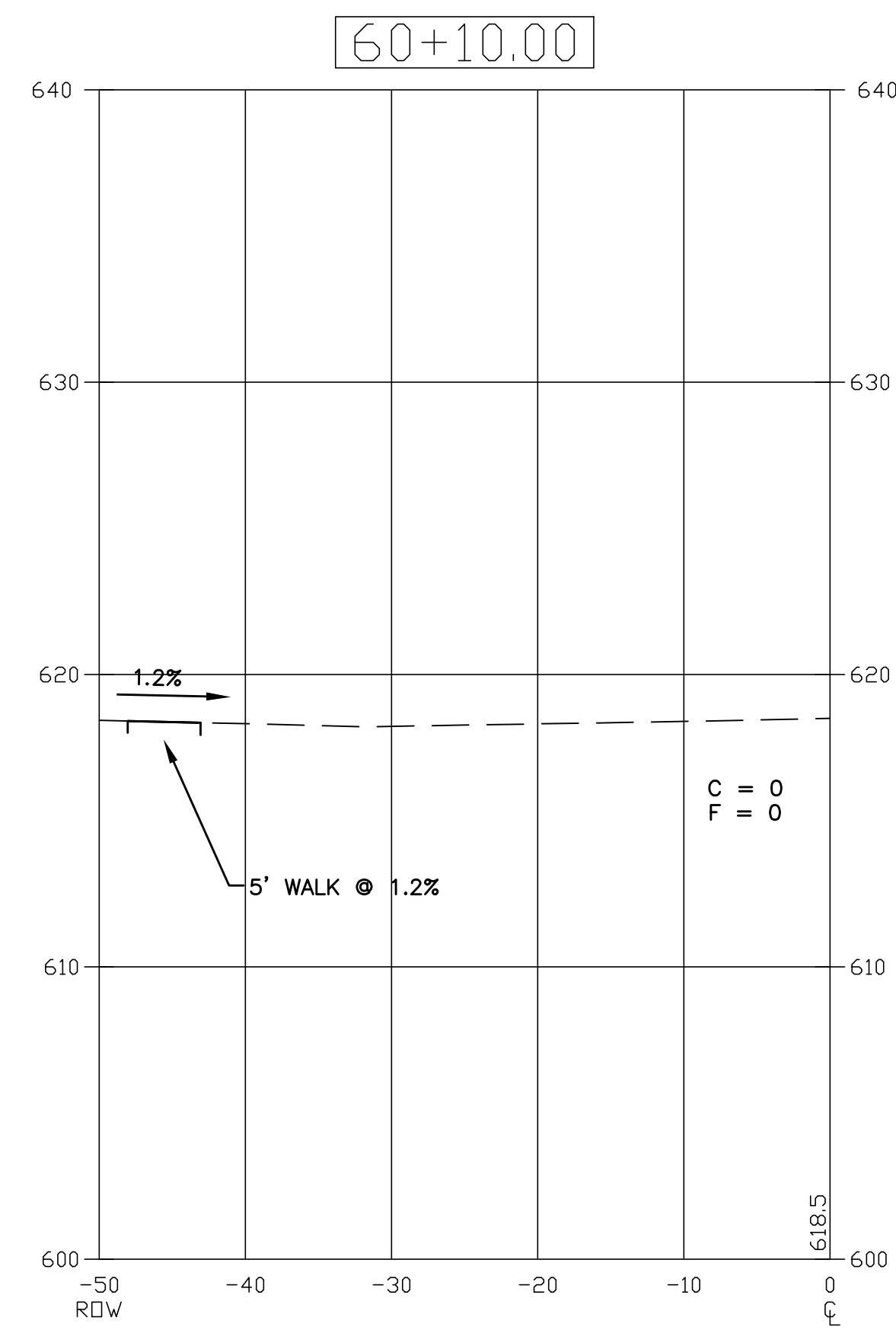
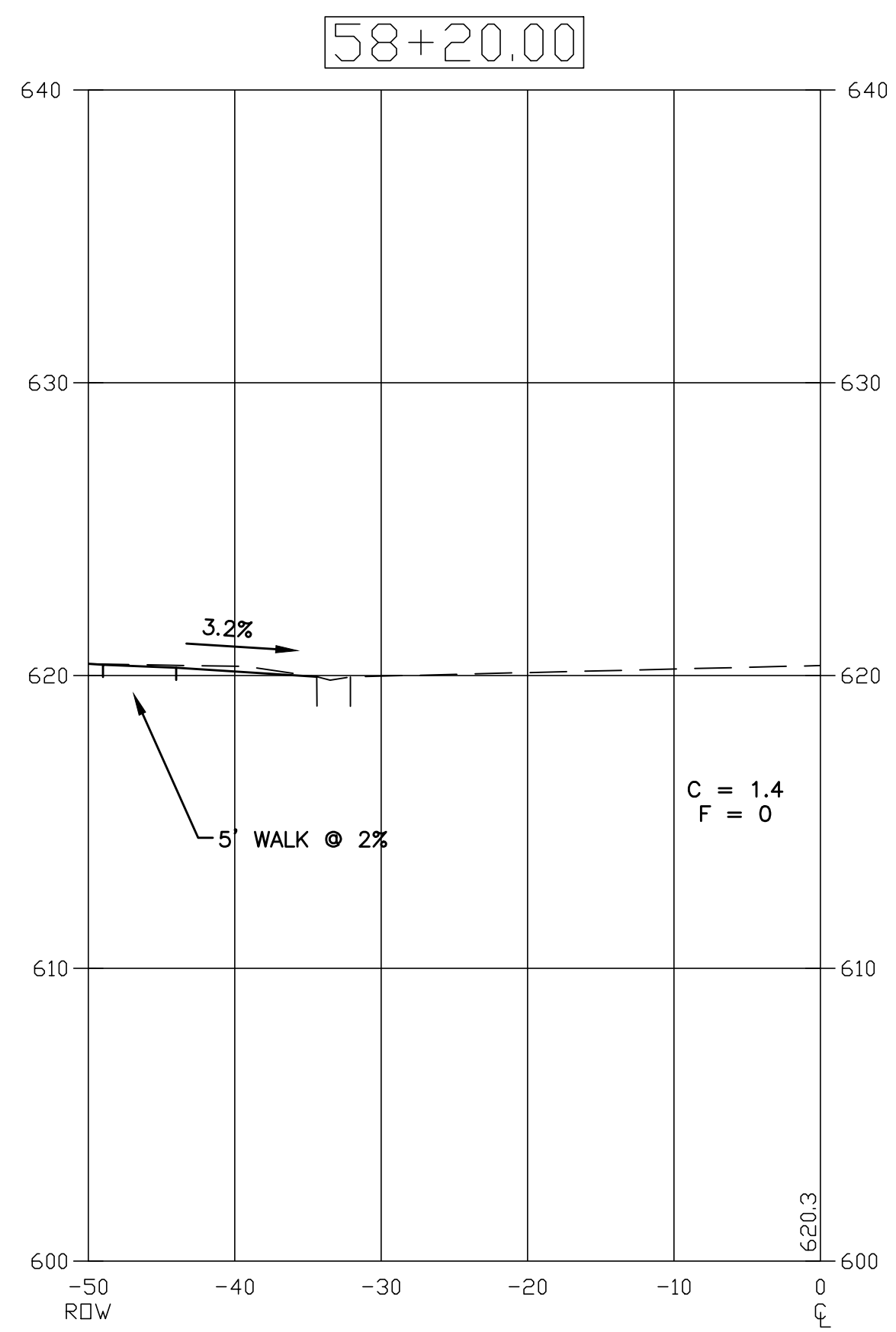
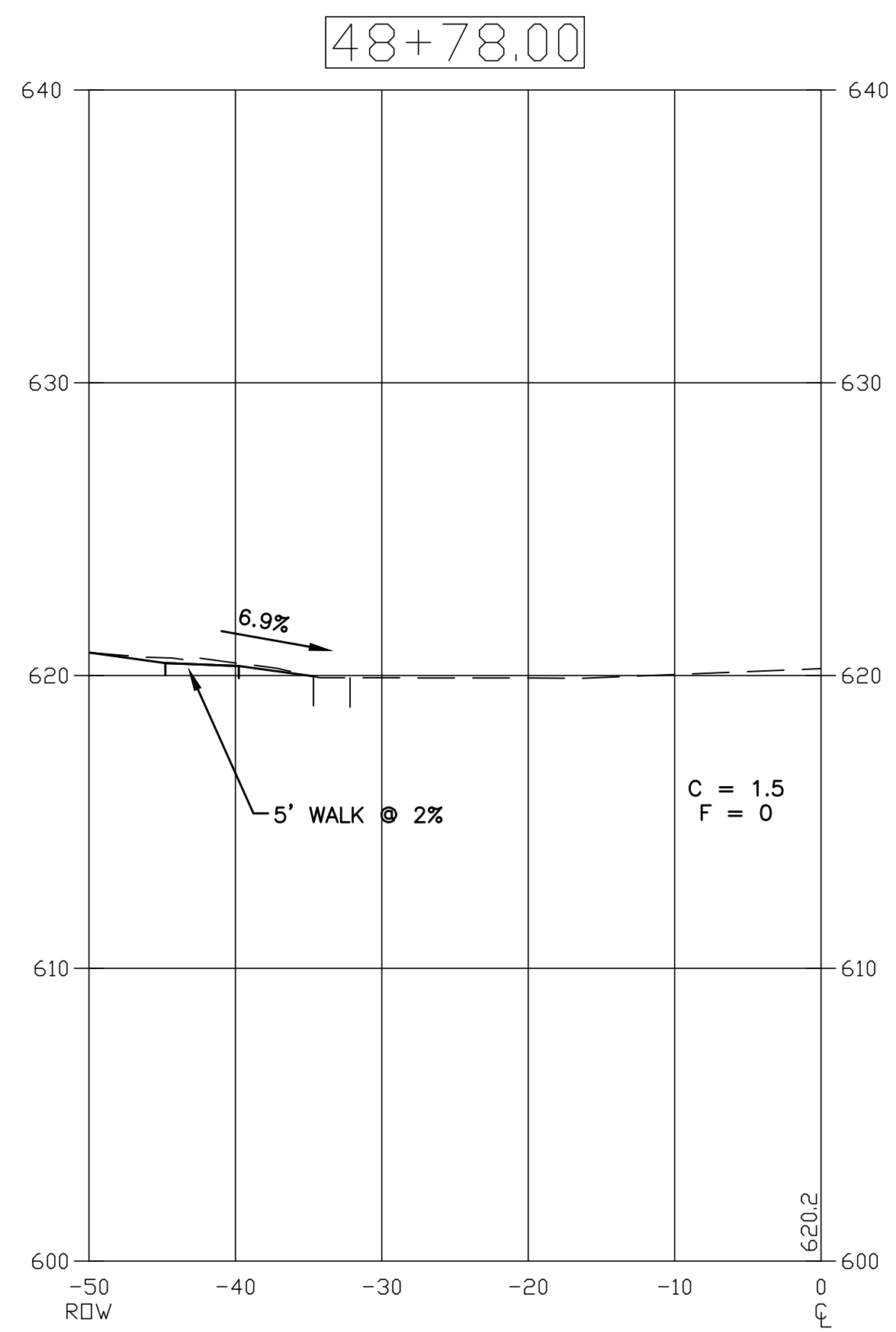
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BIKE/PEDESTRIAN PATH LANDSCAPING DETAILS</b>		ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: N/A		SHEET NO. 21 OF 25 SHEETS		STA.	TO STA.	
		2781		16-00054-00-BT		
		COOK		CONTRACT NO. 61E20		
		ILLINOIS FED. AID PROJECT				

PLOT DATE: Nov 17, 2017  
 PLOT SCALE: 1"=10' H 1"=5' V  
 RIDGELAND AVENUE CORRIDOR IMPROVEMENTS PLANS-ENG-REV-317-PH-300-sheets22-25-series-2017-11-17.dwg



126TH PLACE



USER NAME =	DESIGNED - EF
	DRAWN - DJB
PLOT SCALE =	CHECKED - AS
PLOT DATE = Nov 17, 2017	DATE -

REVISED - 9/15/2017
REVISED - 11/01/2017
REVISED - 11/17/2017
REVISED -

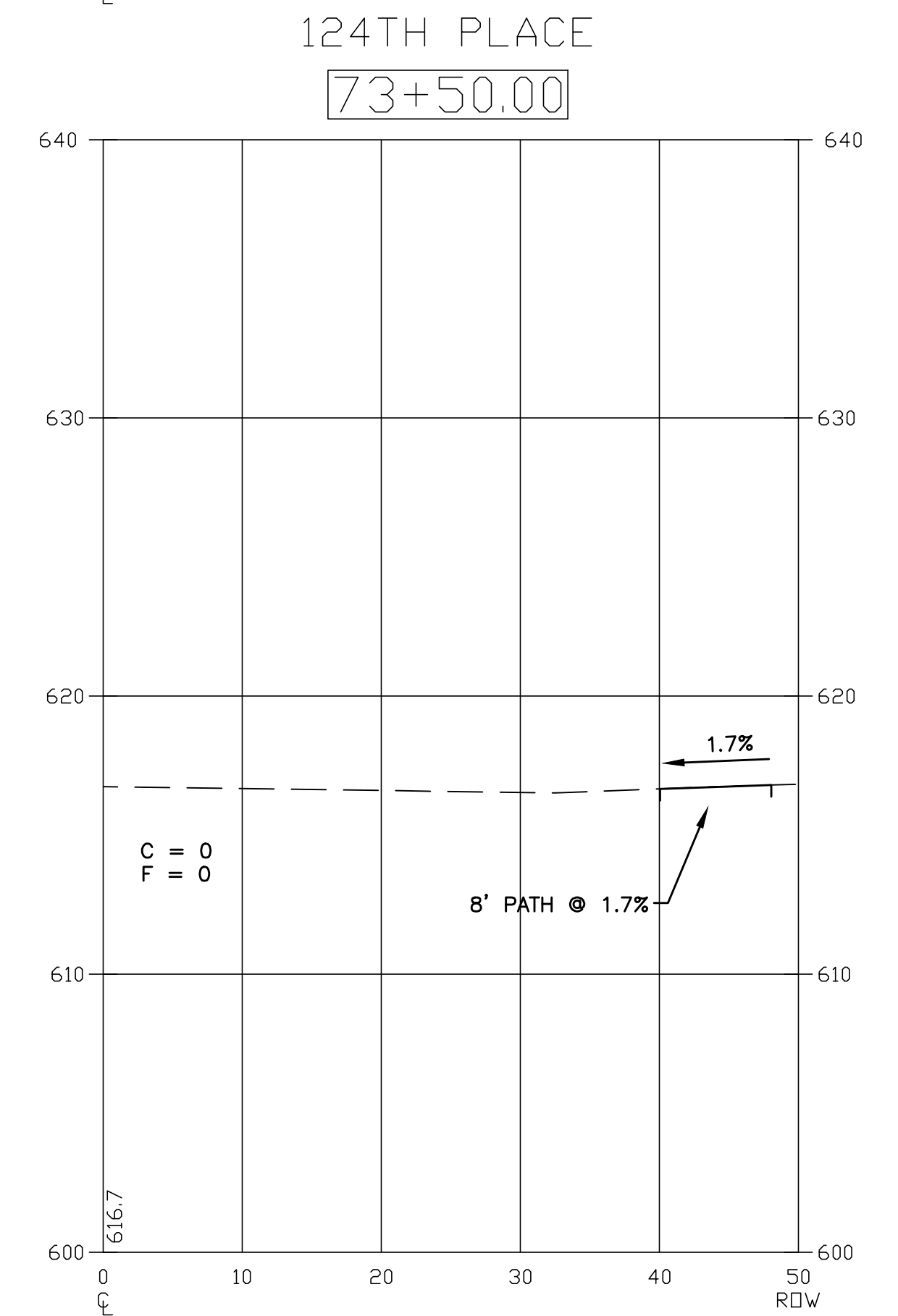
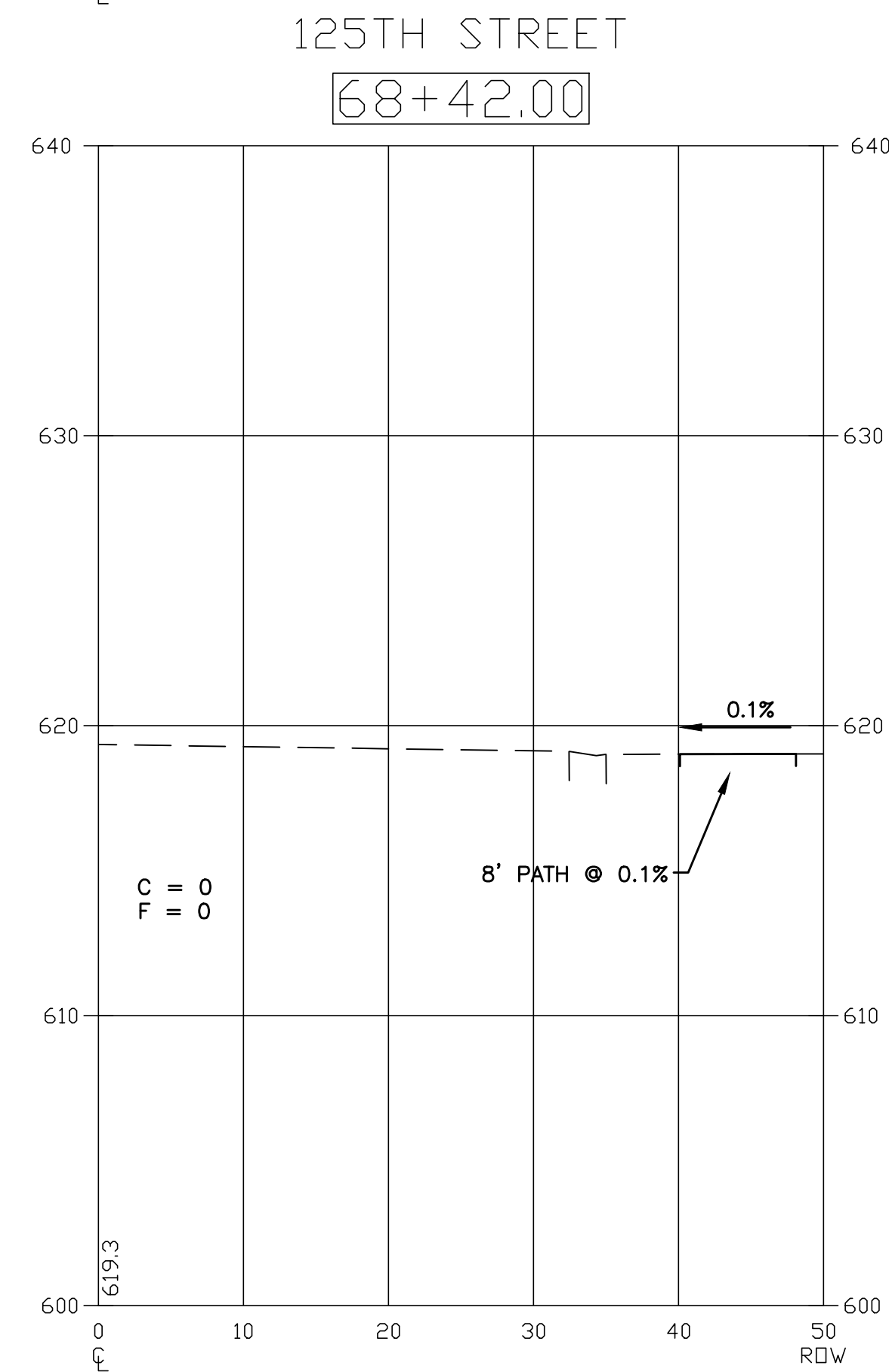
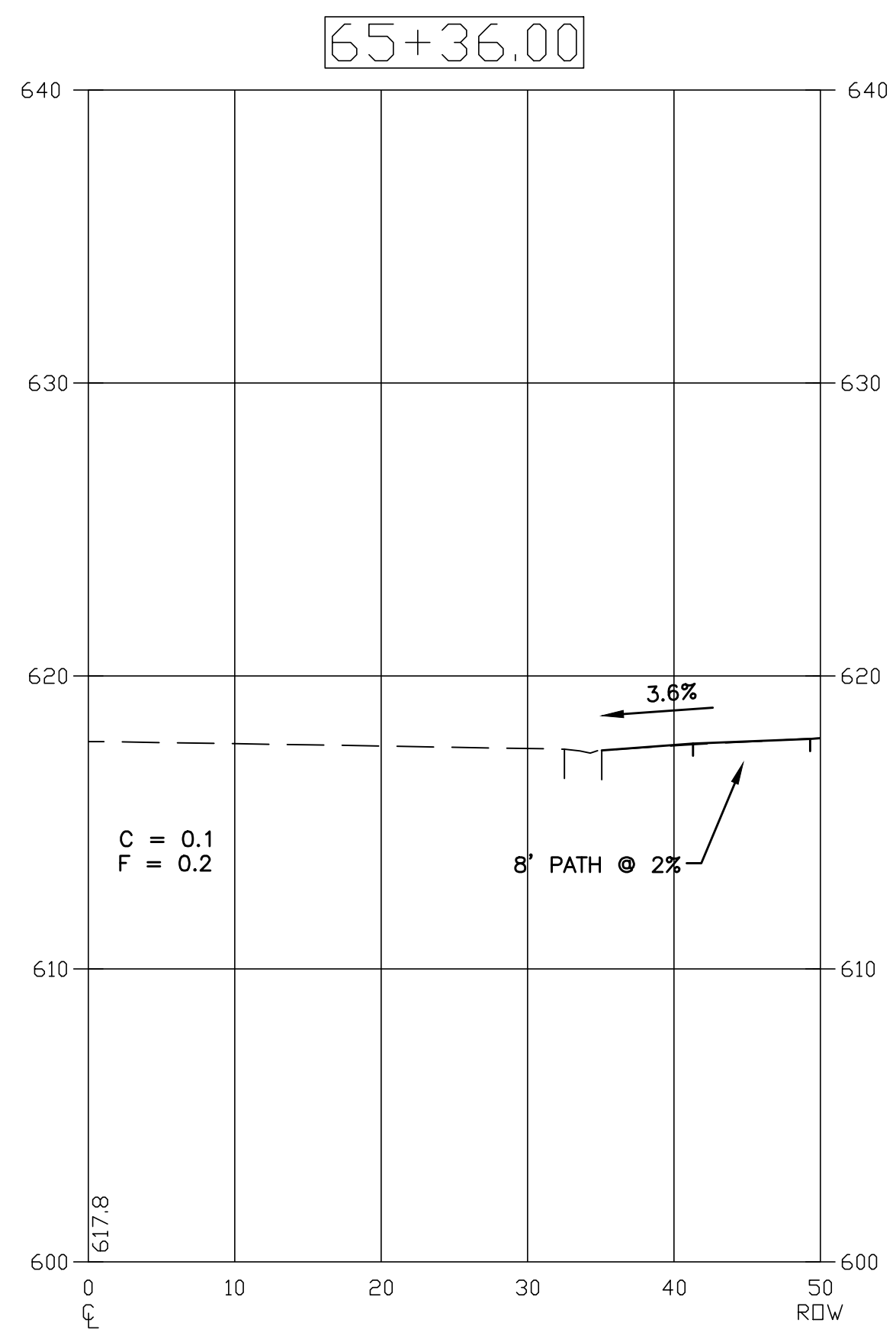
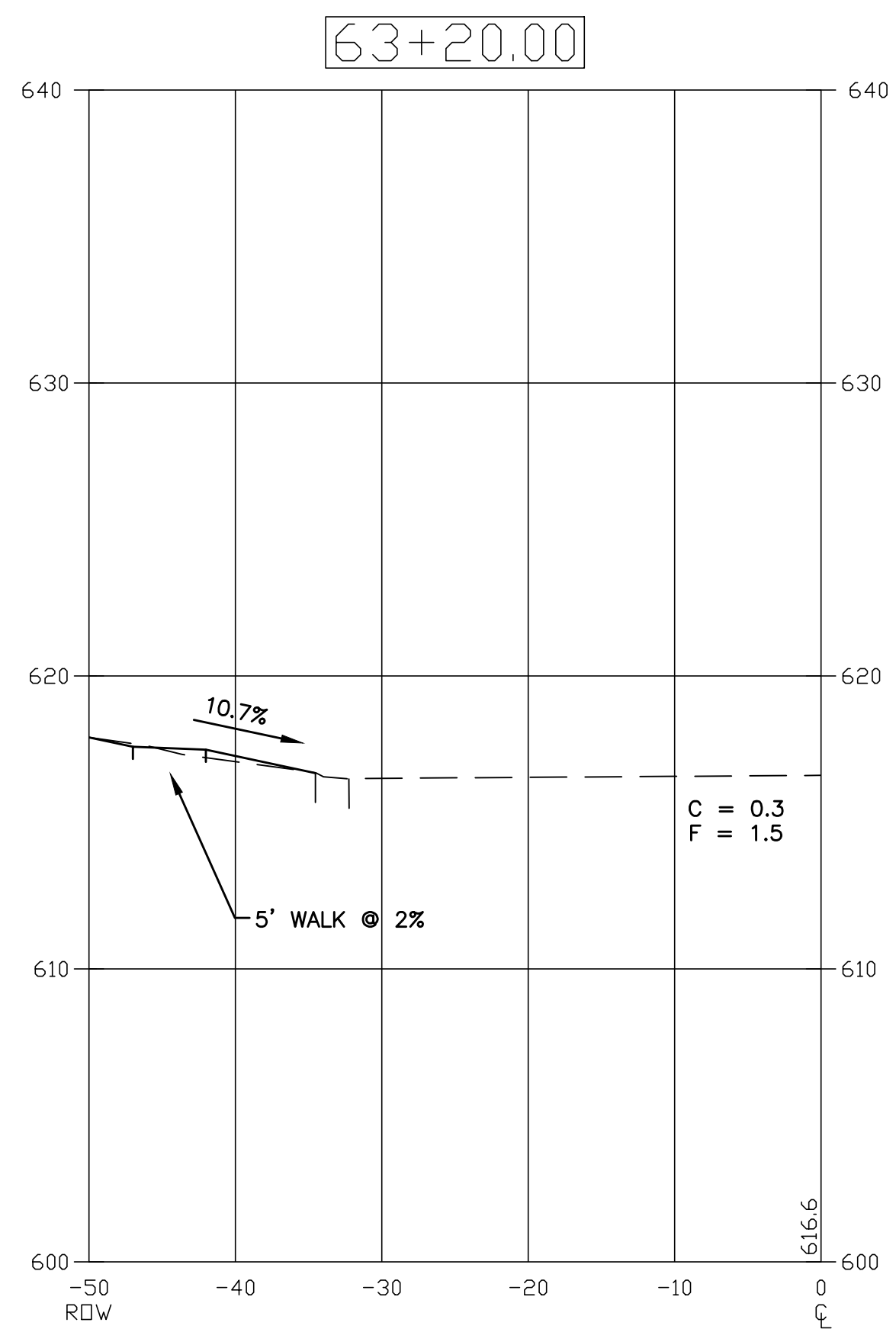
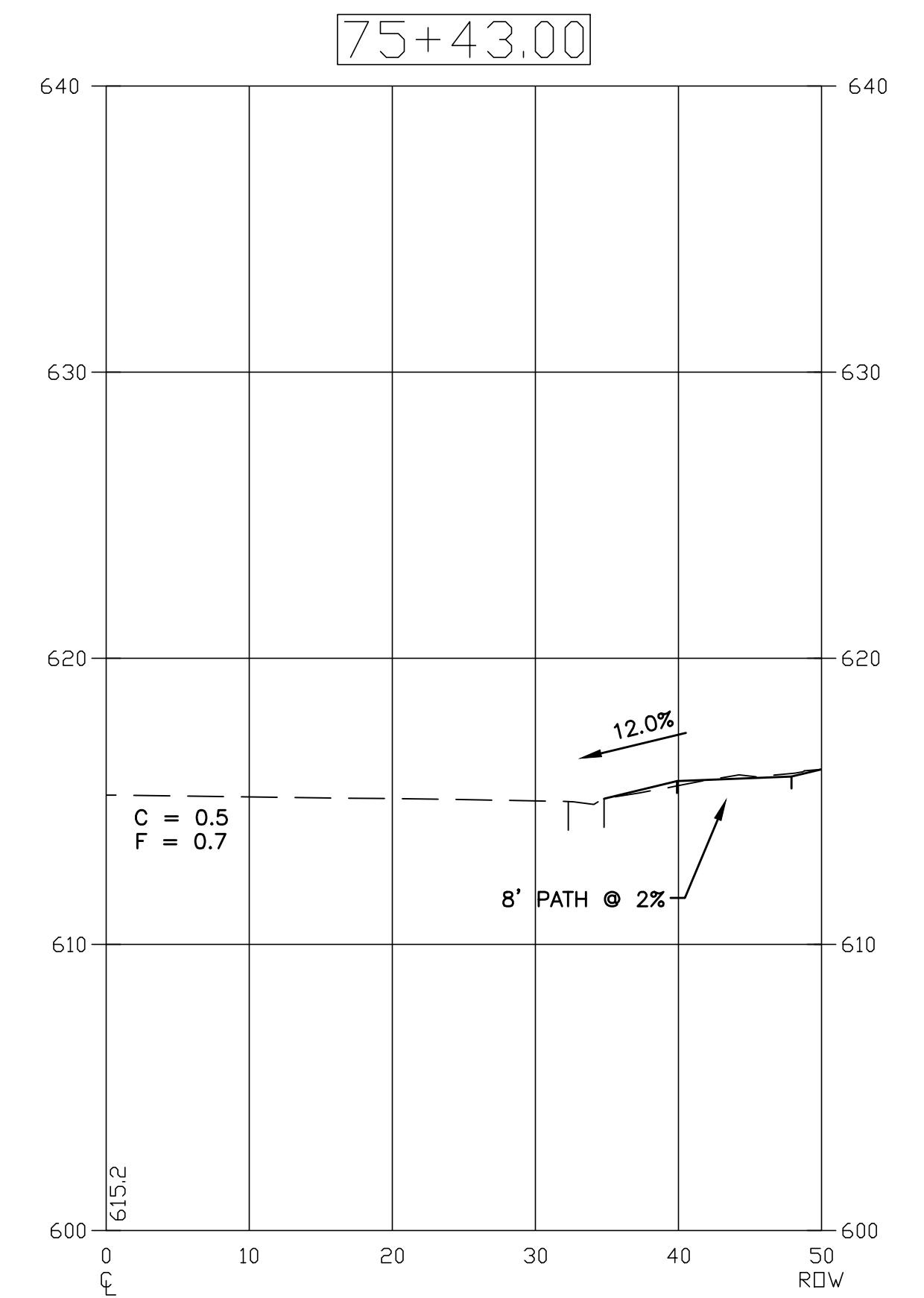
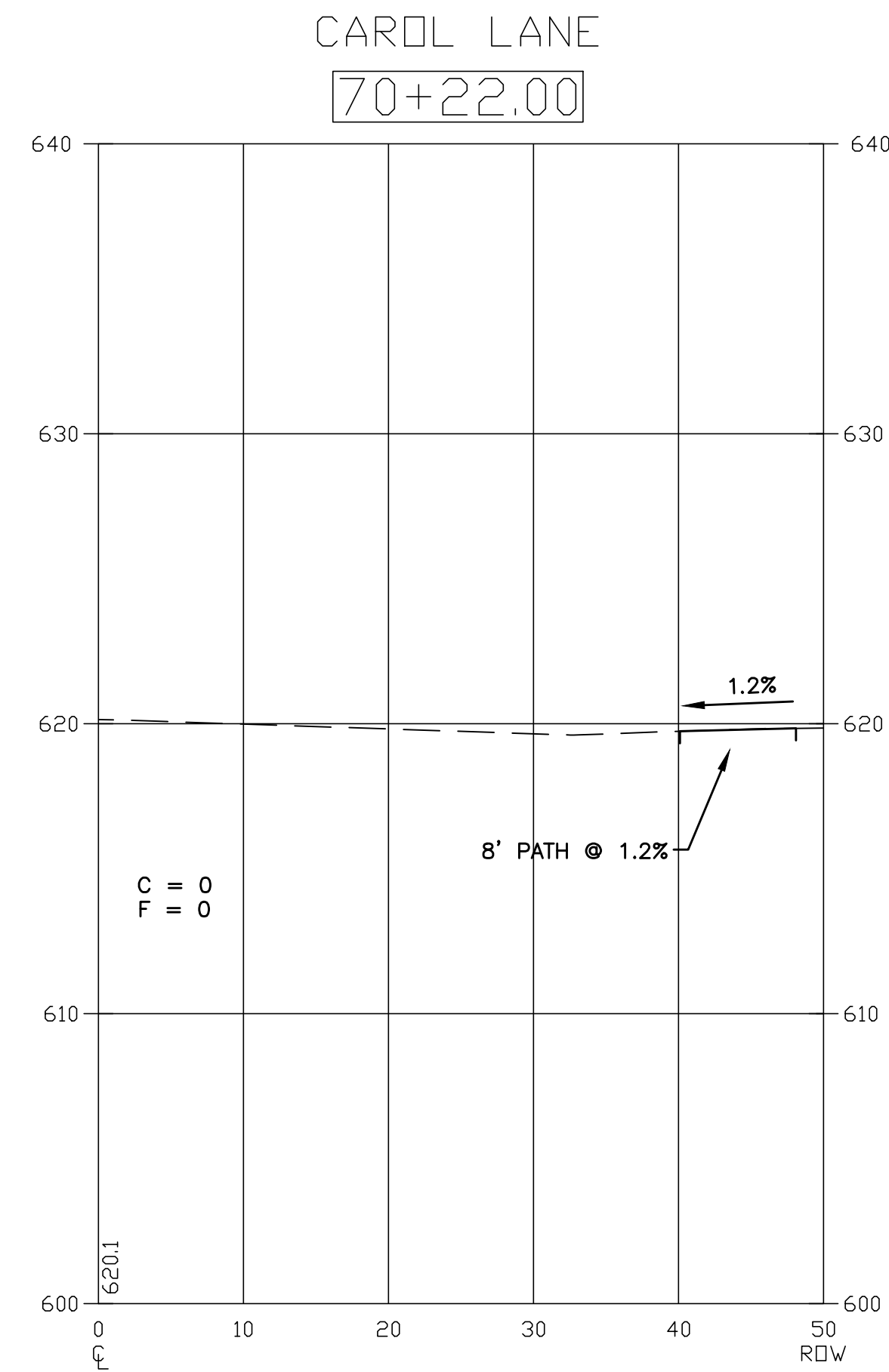
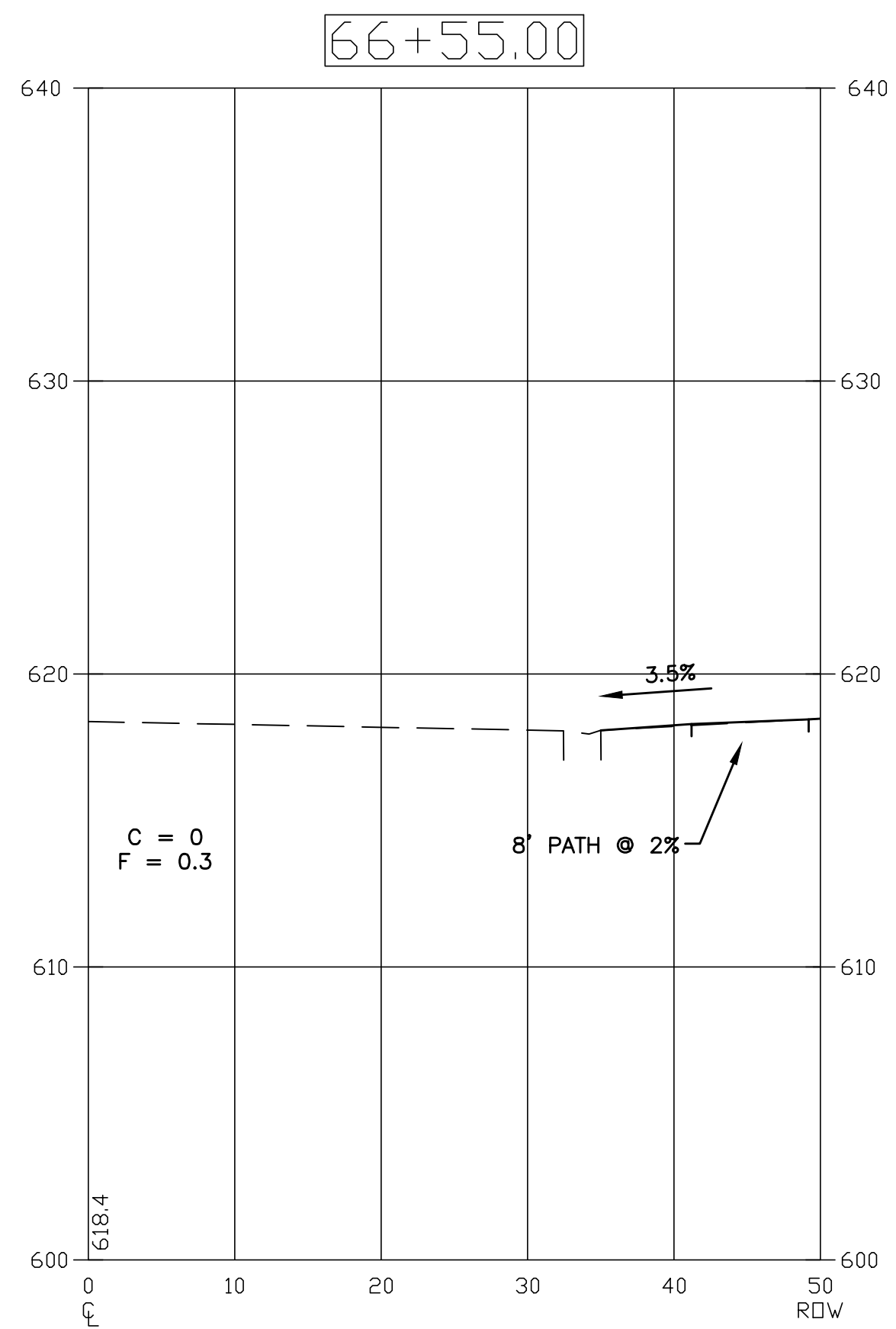
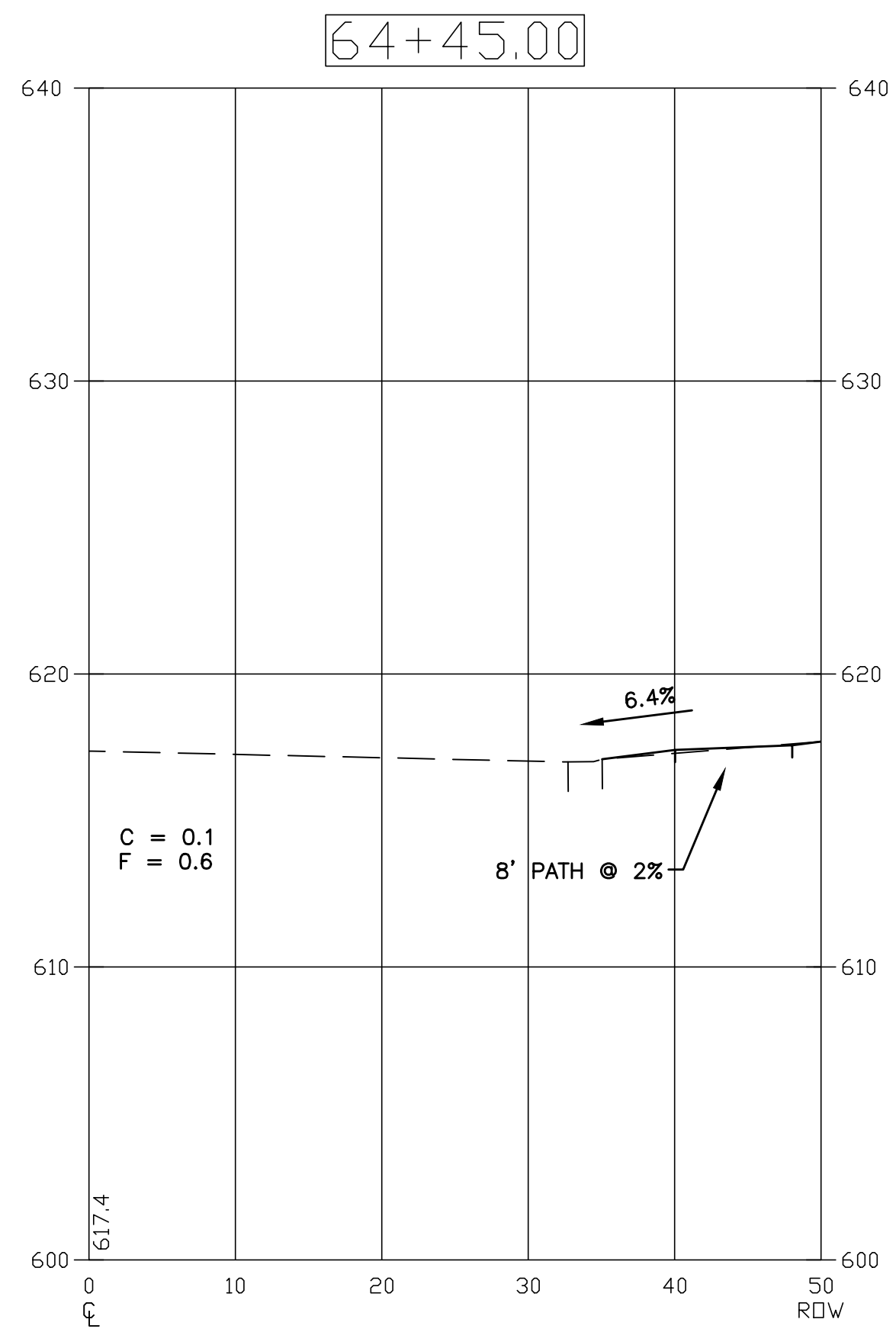
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RIDGELAND AVENUE CORRIDOR IMPROVEMENTS  
CROSS SECTIONS

SCALE: 1"=10' H 1"=5' V SHEET NO. 22 OF 25 SHEETS STA. 48+78 TO STA. 62+60

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2781	16-00054-00-BT	COOK	25	22
CONTRACT NO. 61E20			ILLINOIS FED. AID PROJECT	

PLOT DATE: Nov 17, 2017  
 FILENAME: I:\17-11-17.dwg  
 RIDGLAND AVENUE PLANS-ENG-REV-317-PH-300-sheets22-25-axes-2017-11-17.dwg



USER NAME =	DESIGNED - EF	REVISED - 9/15/2017
	DRAWN - DJB	REVISED - 11/01/2017
PLOT SCALE =	CHECKED - AS	REVISED - 11/17/2017
PLOT DATE = Nov 17, 2017	DATE -	REVISED -

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

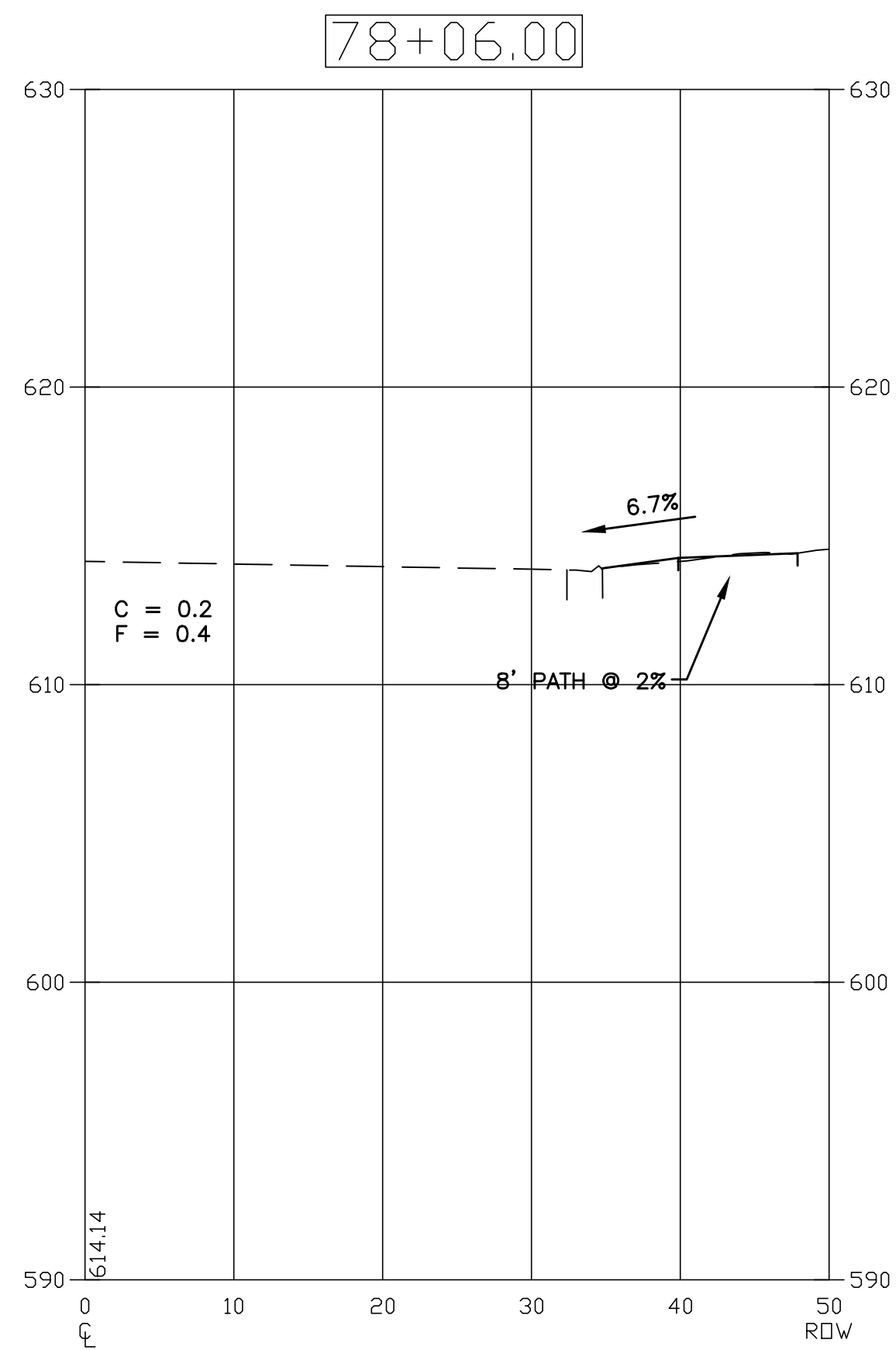
**RIDGLAND AVENUE CORRIDOR IMPROVEMENTS**  
**CROSS SECTIONS**

SCALE: 1"=10H 1"=5V SHEET NO. 23 OF 25 SHEETS STA. 63+20 TO STA. 75+43

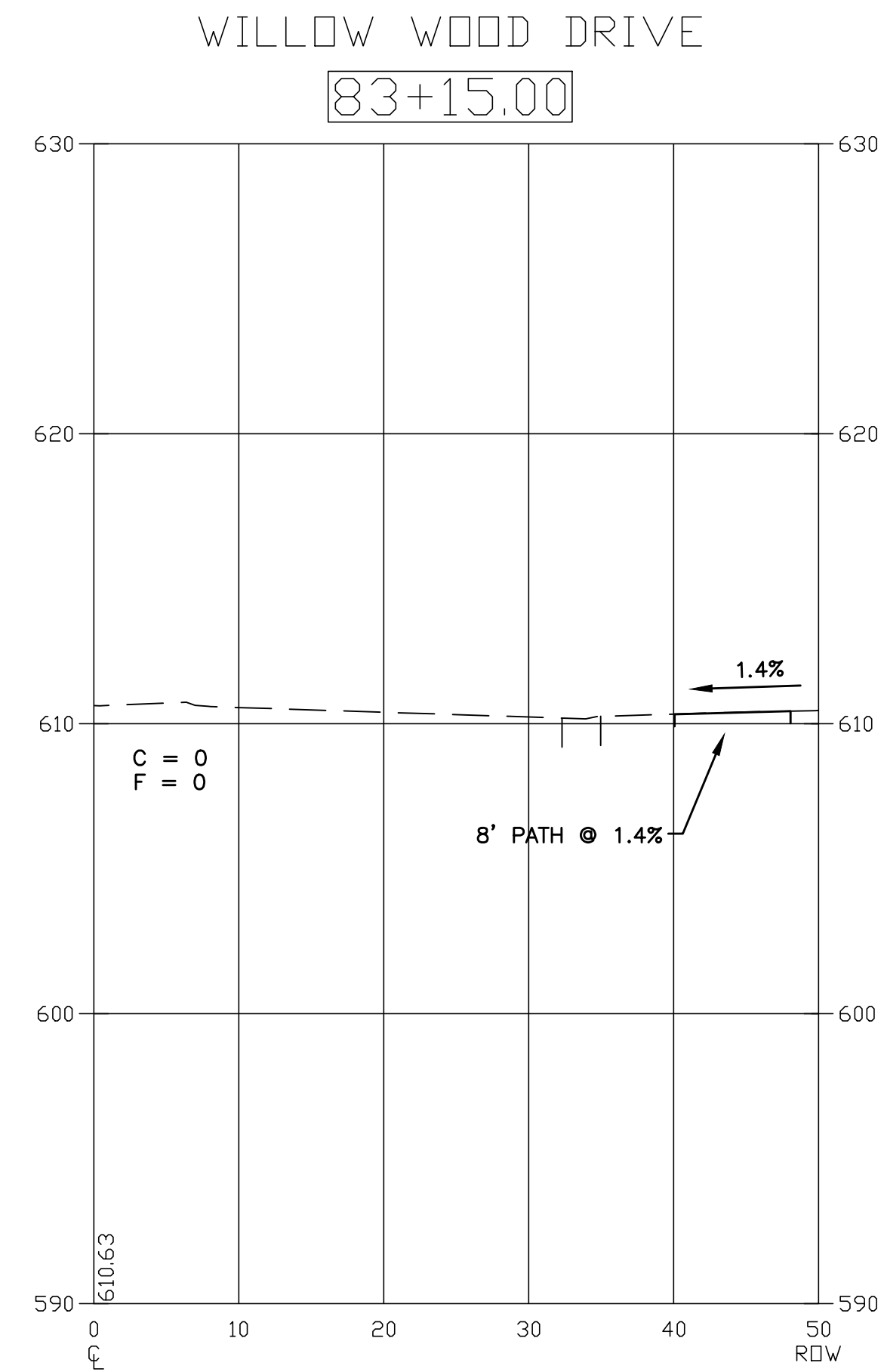
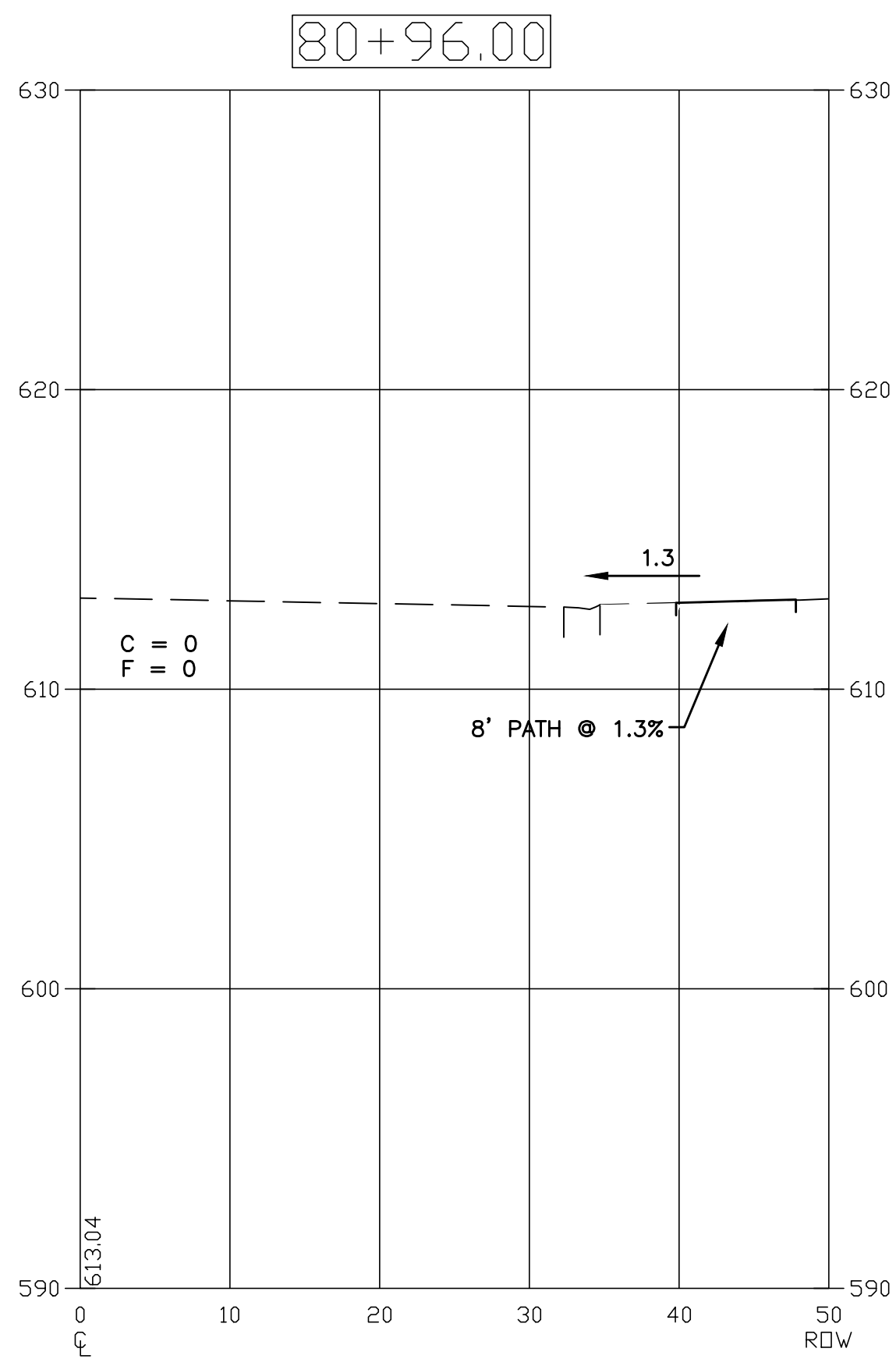
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2781	16-00054-00-BT	COOK	25	23
CONTRACT NO. 61E20			ILLINOIS FED. AID PROJECT	



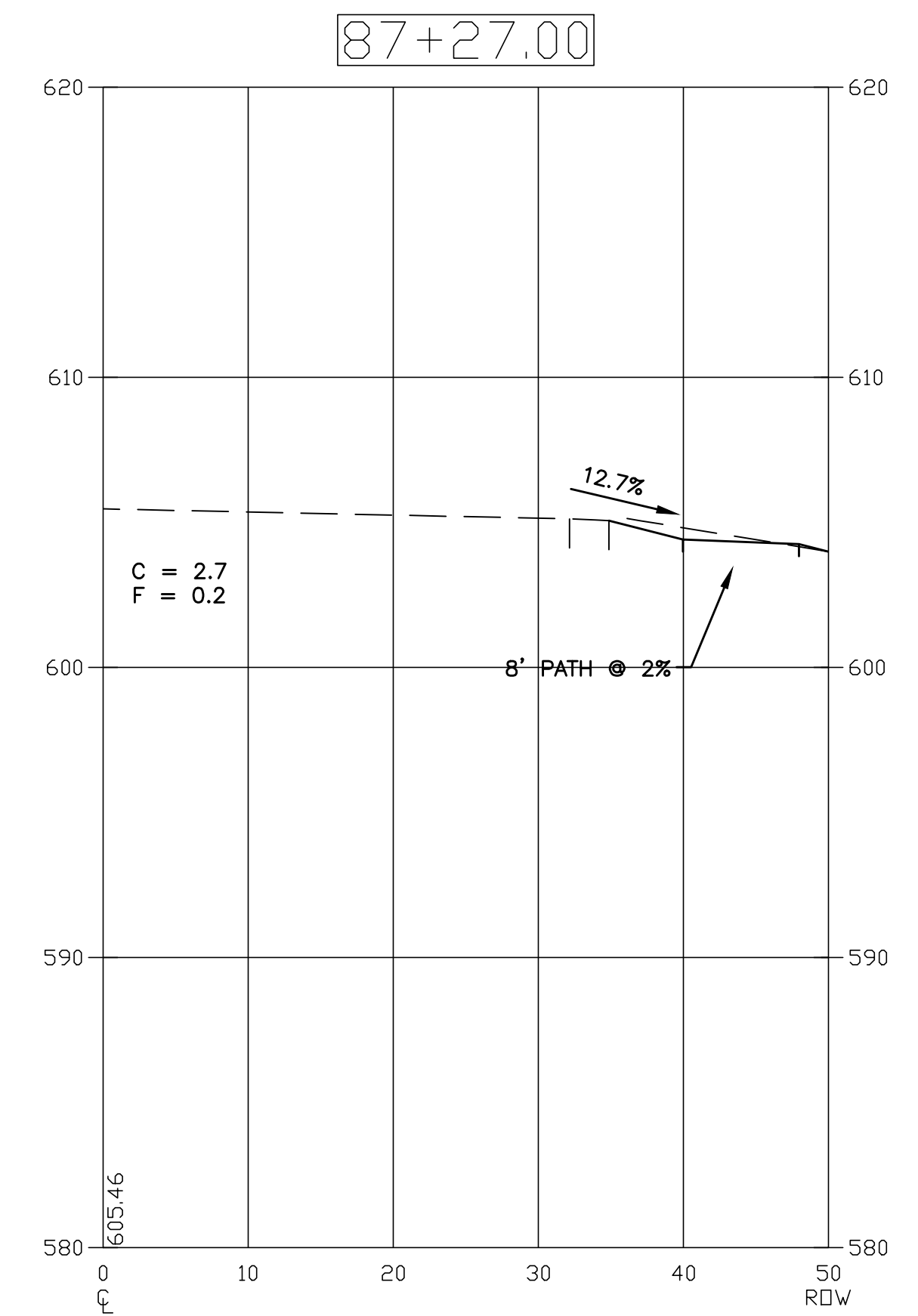
PLOT DATE: Nov 17, 2017  
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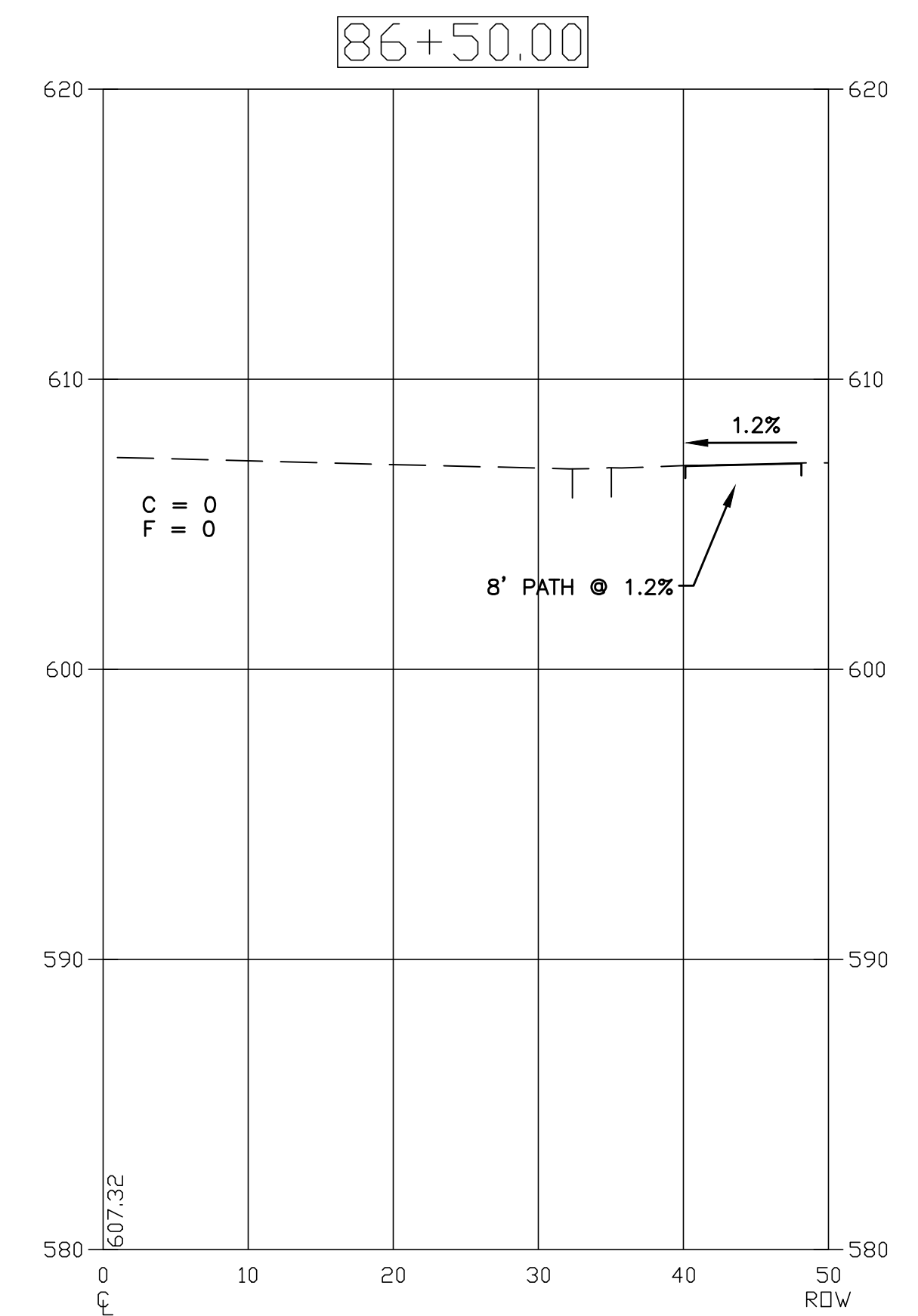
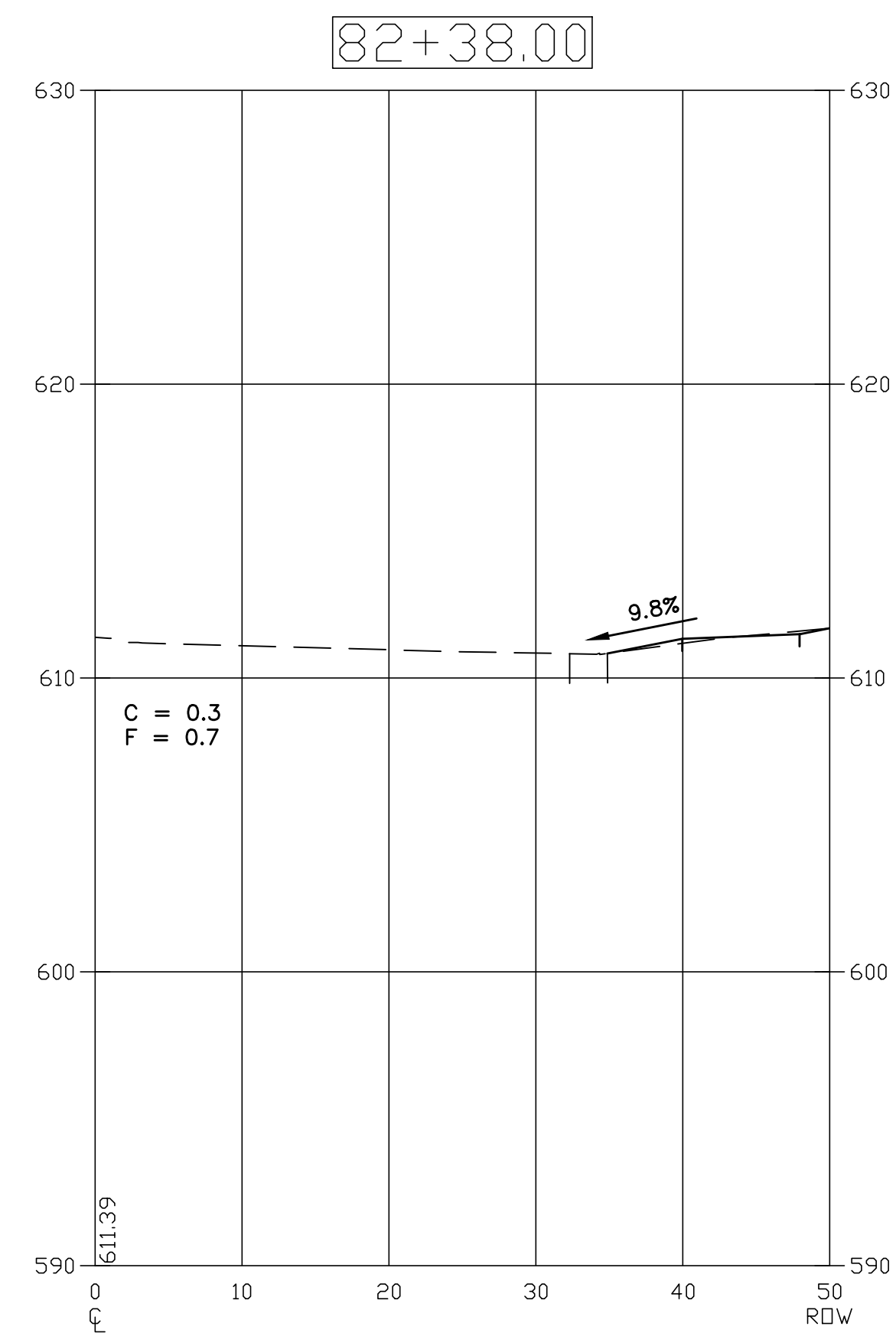
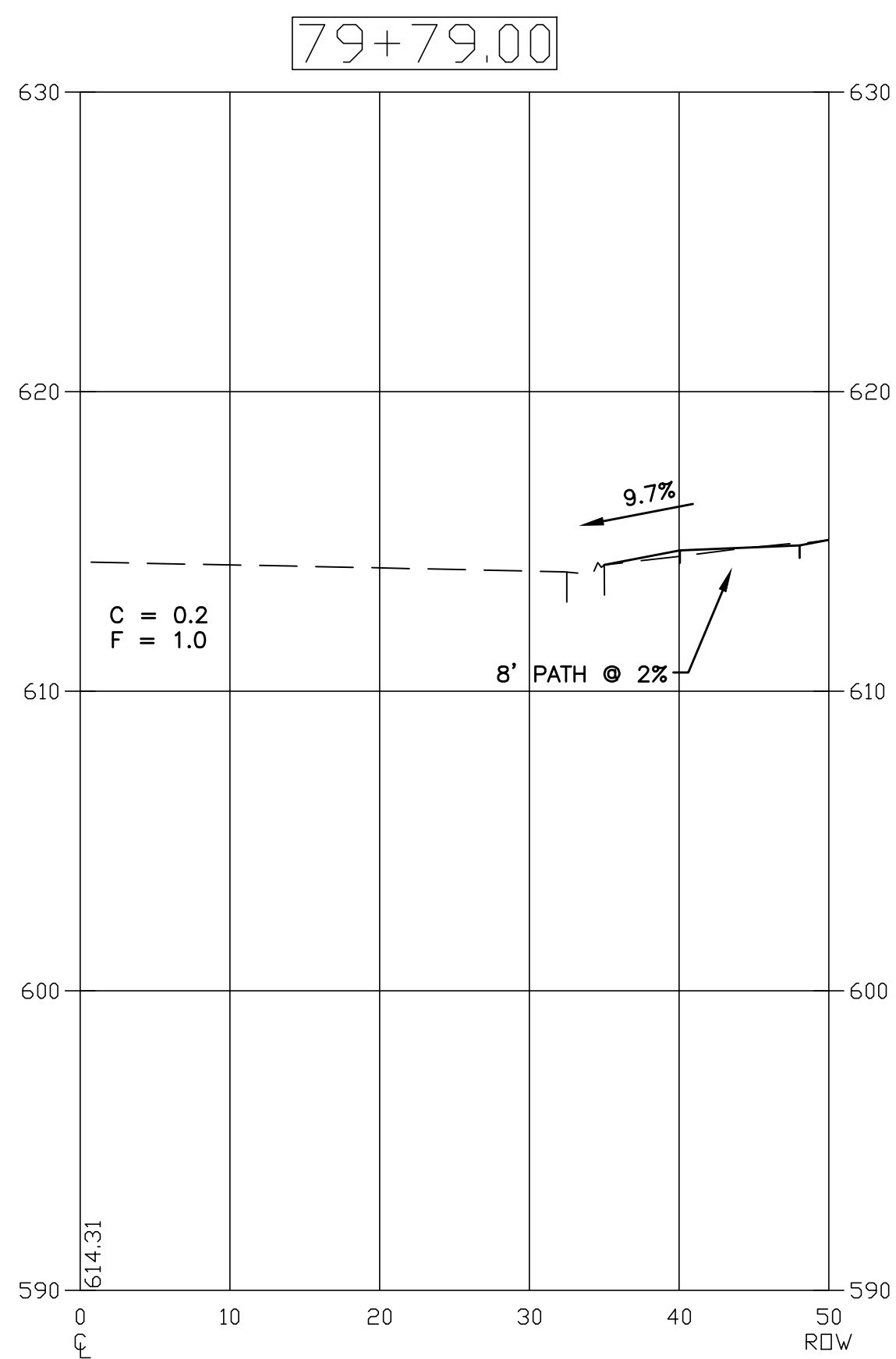
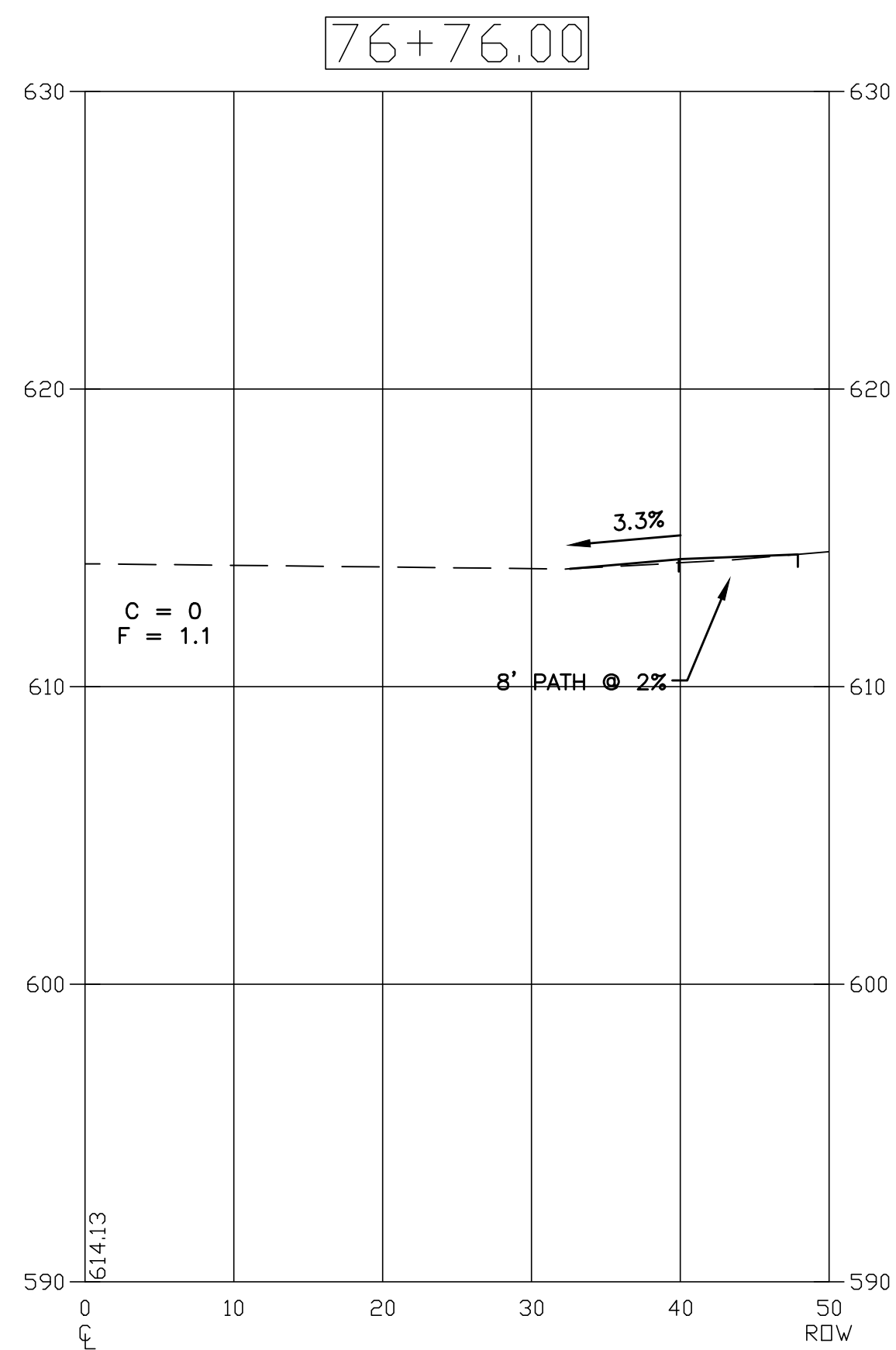
124TH STREET



WILLOW WOOD DRIVE



ORCHARD DRIVE



USER NAME =	DESIGNED - EF	REVISED - 9/15/2017
	DRAWN - DJB	REVISED - 11/01/2017
PLOT SCALE =	CHECKED - AS	REVISED - 11/17/2017
PLOT DATE = Nov 17, 2017	DATE -	REVISED -

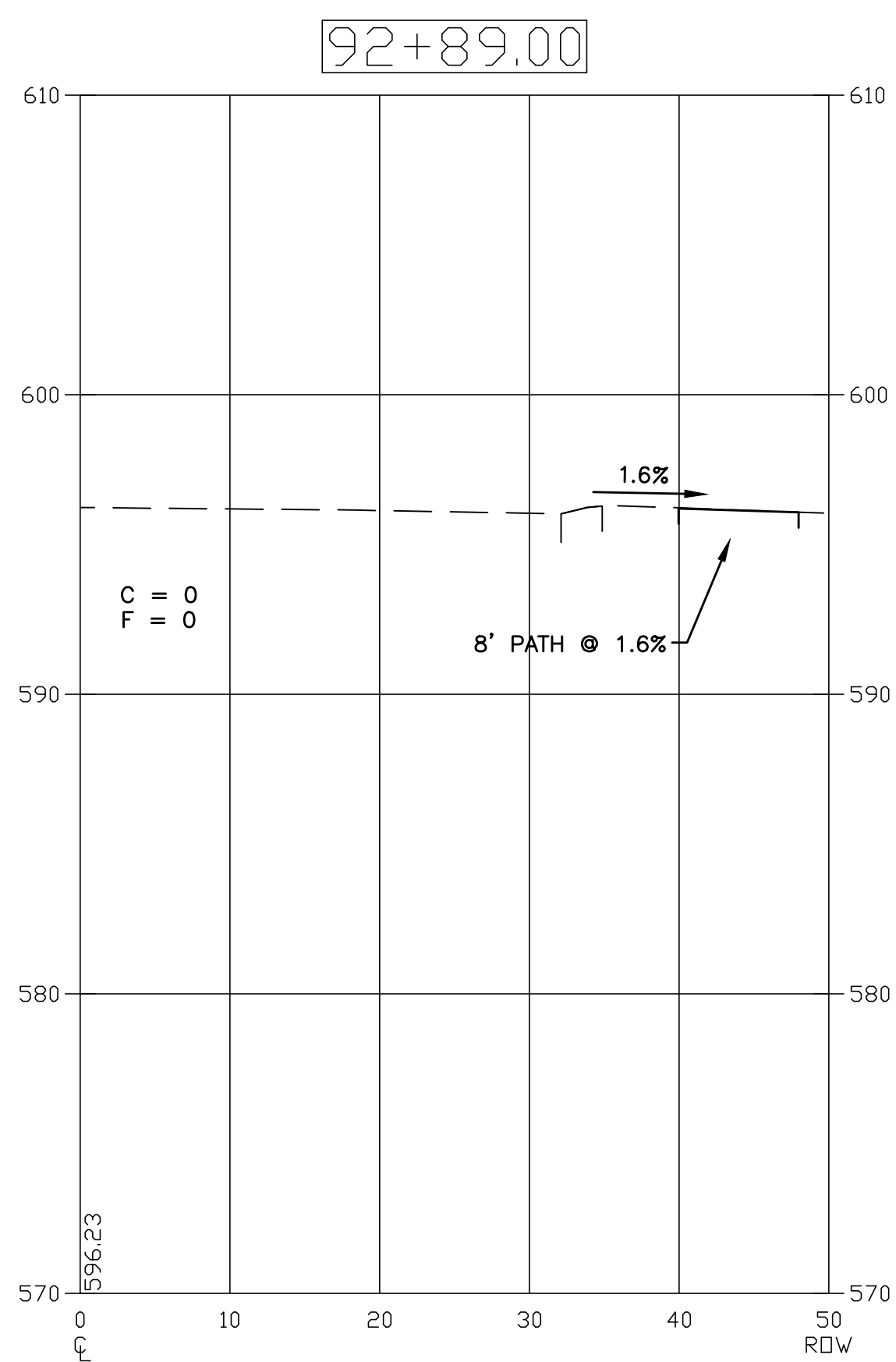
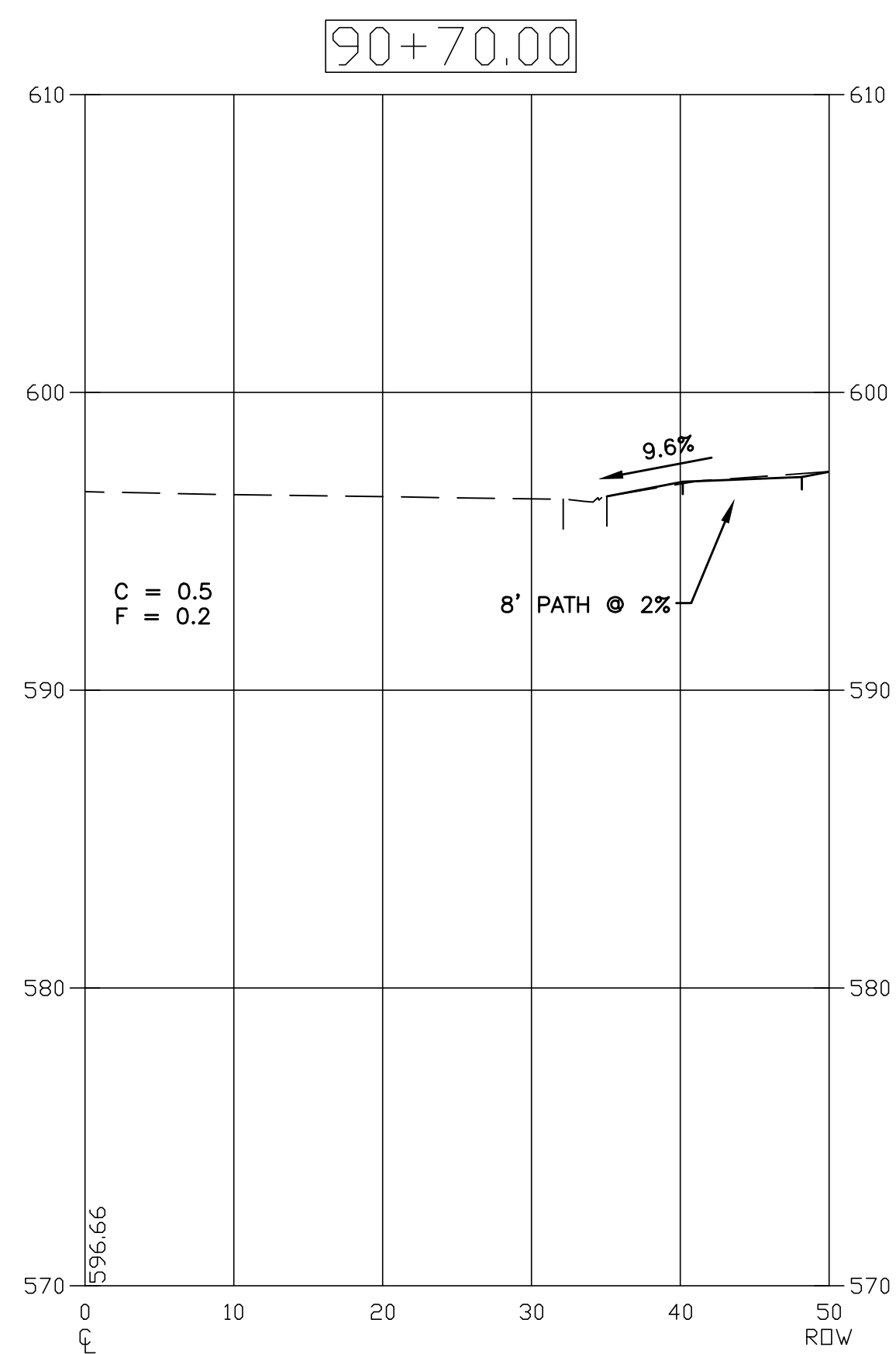
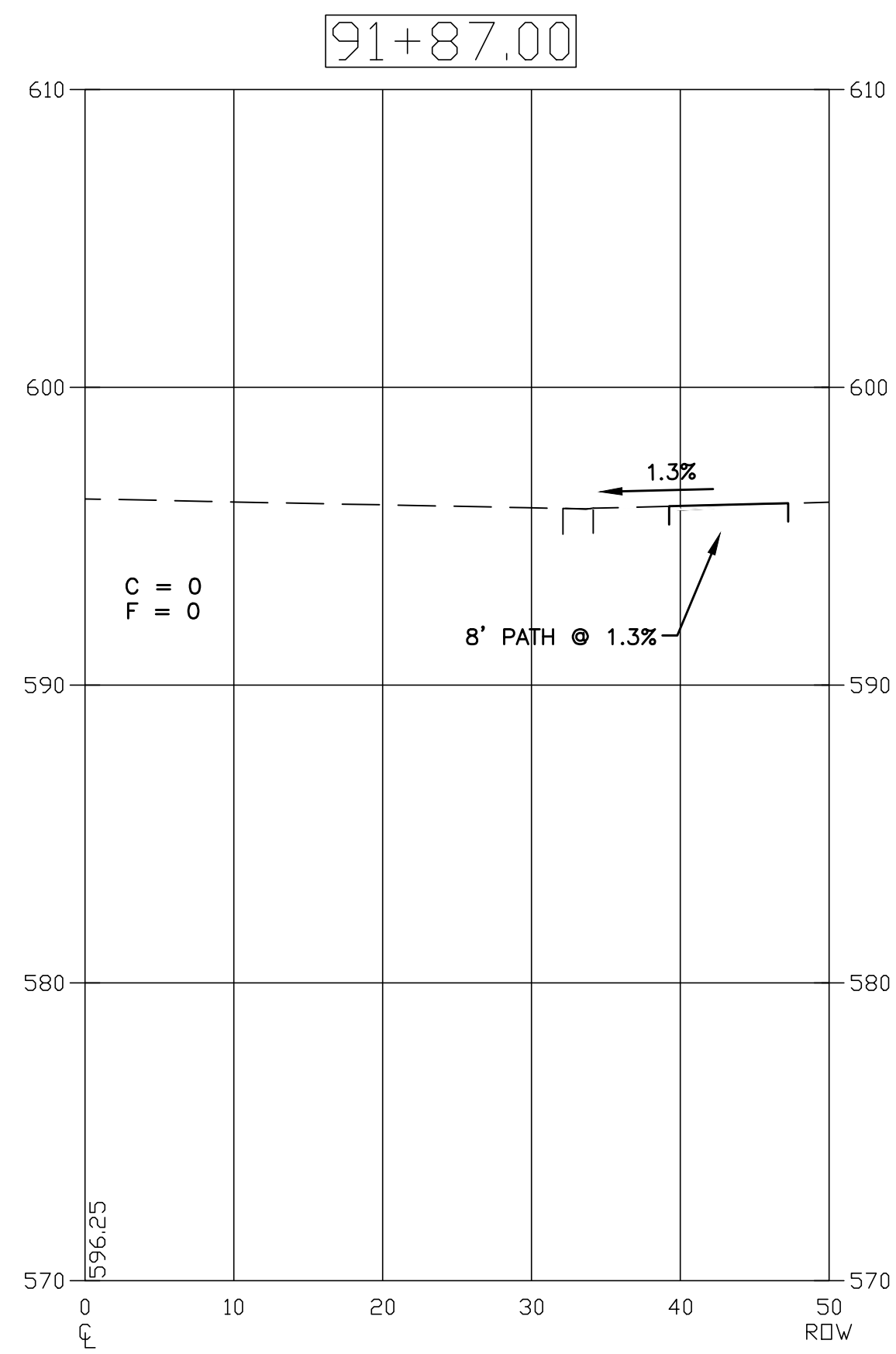
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RIDGELAND AVENUE CORRIDOR IMPROVEMENTS  
CROSS SECTIONS

SCALE: 1"=10H 1"=5V SHEET NO. 24 OF 25 SHEETS STA. 76+76 TO STA. 87+27

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2781	16-00054-00-BT	COOK	25	24
CONTRACT NO. 61E20			ILLINOIS FED. AID PROJECT	

PLOT DATE: Nov 17, 2017  
 FILENAME: I:\317-11-17.dwg - Ridgeland Avenue PLANS-ENG-REV-317-11-17.dwg - sheets25-25-sheets-2017-11-17.dwg



USER NAME =	DESIGNED - EF
PLOT SCALE =	DRAWN - DJB
PLOT DATE = Nov 17, 2017	CHECKED - AS
	DATE -

REVISED - 9/15/2017
REVISED - 11/01/2017
REVISED - 11/17/2017
REVISED -

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

**RIDGELAND AVENUE CORRIDOR IMPROVEMENTS**  
**CROSS SECTIONS**

SCALE: 1"=10H 1"=5V SHEET NO. 25 OF 25 SHEETS STA. 90+70 TO STA. 92+89

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2781	16-00054-00-BT	COOK	25	25
CONTRACT NO. 61E20				
ILLINOIS FED. AID PROJECT				