

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45007 4038	19-00065-00-RS	DUPAGE	62	1
ILLINOIS		CONTRACT NO. 61G66		

01-15-2021 LETTING ITEM 120

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

PROJECT LOCATED IN THE VILLAGE OF LISLE AND THE CITY OF NAPERVILLE

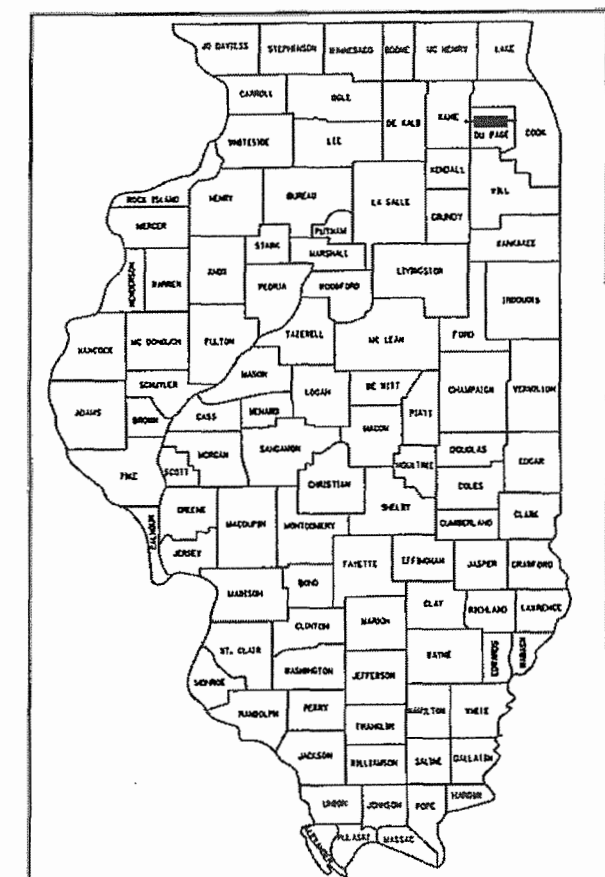
STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

MUN 4500 (ABBEYWOOD DRIVE)  
 NAPER BOULEVARD (FAU 0856) TO COLLEGE ROAD (FAU 2568)  
 MUN 4038 (GREEN TRAIL DRIVE)  
 NAPER BOULEVARD (FAU 0856) TO COLLEGE ROAD (FAU 2568)  
 RESURFACING, SIDEWALKS AND CURB AND GUTTER

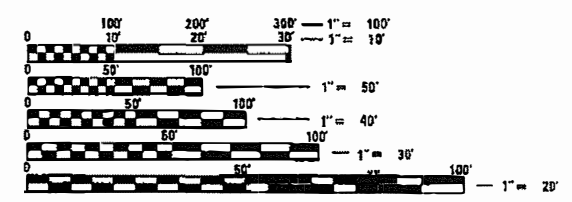
SECTION NO.: 19-00065-00-RS  
 PROJECT NO.: FRDH(078)  
 VILLAGE OF LISLE  
 DUPAGE COUNTY  
 JOB NO.: C-91-078-20



LOCATION OF SECTION INDICATED THUS: —

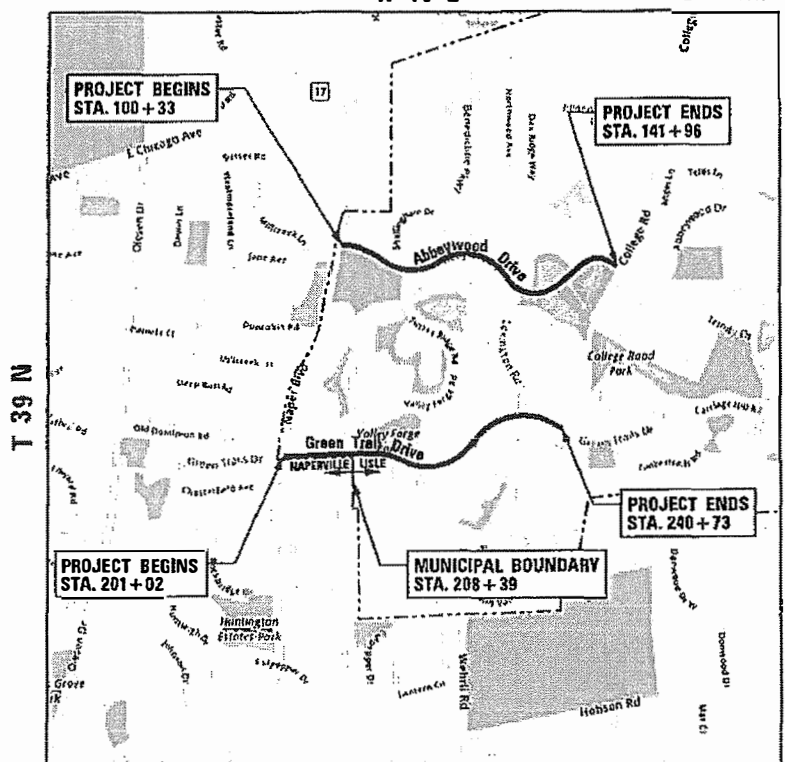
**ABBEYWOOD DRIVE**  
 DESIGN DESIGNATION: MINOR COLLECTOR  
 TRAFFIC = 2,981 ADT (2020)  
 SPEED LIMIT = 25 MPH POSTED

**GREEN TRAIL DRIVE**  
 DESIGN DESIGNATION: MINOR COLLECTOR  
 TRAFFIC = 2,645 ADT (2020)  
 SPEED LIMIT = 25 MPH POSTED



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



MILTON TOWNSHIP  
**LOCATION MAP**  
 N.T.S.

ABBEYWOOD DRIVE GROSS AND NET LENGTH = 4,163 FT. = 0.79 MILES  
 GREEN TRAIL DRIVE GROSS AND NET LENGTH = 3,971 FT. = 0.75 MILES  
 TOTAL GROSS AND NET LENGTH = 8,134 FT. = 1.54 MILES



KEVIN C. VANDEWOESTYNE, P.E.  
 NO. 062-060099  
 EXP. DATE 11-30-2021

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

APPROVED November 3 2020  
*Jan E. Blum*  
 VILLAGE OF LISLE, DIRECTOR OF PUBLIC WORKS

PASSED NOV-12 2020  
*C. H. H. H.*  
 DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW NOVEMBER 12 2020  
*Anthony J. Wingley*  
 REGIONAL ENGINEER

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**thomas**  
 engineering group, llc  
 55 w. 22nd street  
 suite 300  
 lombard, IL 60148  
 phone: 655-533-1700

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

PROJECT MANAGER: KEVIN VANDEWOESTYNE  
 CONTRACT NO. 61G66

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**DISTRICT 1 DETAILS**

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**HIGHWAY STANDARDS**

000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-05	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-05	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-06	DEPRESSED CORNER FOR SIDEWALKS
424026-03	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
602011-02	CATCH BASIN TYPE C
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS- DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
BLR 23-4	TRAFFIC BARRIER TERMINAL TYPE 1

**GENERAL NOTES**

1. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT 630-719-4753 AT LEAST 72 HOURS IN ADVANCE OF BEGINNING WORK AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER. ATTENTION IS CALLED TO SECTION 701 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND PROTECTION. THE STORAGE OF EQUIPMENT AND/OR MATERIALS WITHIN THE RIGHT-OF-WAY OF ANY STREET AND/OR PARK PROPERTY SHALL REQUIRE PRIOR APPROVAL OF THE ENGINEER.
2. THE CONTRACTOR SHALL SCHEDULE HIS WORK SO THAT ONLY ONE TEMPORARY LANE CLOSURE ON ONE STREET IN ONE DIRECTION IS IMPLEMENTED AT A TIME. A LANE CLOSURE WILL ONLY BE PERMITTED DURING CONSTRUCTION OPERATIONS AND IN ACCORDANCE WITH THE APPLICABLE IDOT STANDARDS. THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN ALL SIGNS, BARRICADES AND OTHER TRAFFIC CONTROL DEVICES, INCLUDING FLAGGERS, REQUIRED TO MAINTAIN TRAFFIC FLOW.
3. THE CONTRACTOR SHALL MAKE ALL FULL DEPTH SAW CUT AT THE EDGE OF PAVEMENT ADJACENT TO THE REMOVAL OF ALL CONCRETE CURB OR COMBINATION CONCRETE CURB AND GUTTER. THE CONTRACTOR SHALL MAKE ALL FULL DEPTH SAW CUTS REQUIRED FOR THE REMOVAL OF CONCRETE CURB AND GUTTERS, SIDEWALKS, AND DRIVEWAYS AS SPECIFIED, OR AS DIRECTED BY THE ENGINEER.

4. PRIOR TO APPLYING THE TACK COAT, THE BASE SURFACE INCLUDING GUTTERS SHALL BE CLEANED OF LOOSE GRINDINGS, LEAVES, OF ALL DUST, DIRT WEEDS AND OTHER FOREIGN MATERIAL. ALL CRACK FILL MATERIAL SHALL BE REMOVED IN ITS ENTIRETY ALONG THE CURB LINE.
5. THE CONTRACTOR SHALL MAINTAIN THE SITE IN A CLEAN AND ORDERLY MANNER. DEBRIS AND ANY SURPLUS MATERIAL SHALL BE REMOVED AND RESTORATION SHALL PROCEED AS THE WORK PROCEEDS. IF THE ENGINEER SO DIRECTS, THE CONTRACTOR SHALL STOP ALL OTHER WORK AND CONCENTRATE ON CLEAN-UP AND RESTORATION, DEBRIS AND SURPLUS MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR OFF-SITE.
6. DURING CONSTRUCTION, ALL SIGNS, BARRICADES, AND TEMPORARY PAVEMENT MARKINGS WILL CONFORM TO THE ILLINOIS MUTCD. THE VEHICULAR ACCESS TO LOCAL PROPERTIES WILL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION, EXCEPT WHEN CONSTRUCTION OPERATIONS OCCUR DIRECTLY ON OR IN FRONT OF DRIVEWAYS. IN THIS CASE, FLAG PERSONS WILL BE USED TO DIRECT AND CONTROL TRAFFIC.
7. THE MINIMUM THICKNESS OF THE PROPOSED GUTTER FLAG SHALL BE 10" UNLESS OTHERWISE STATED IN THE PLANS OR DIRECTED BY THE ENGINEER.
8. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS, PROPERTY CORNERS, AND REFERENCE MARKERS UNTIL THE OWNER, THEIR AGENT, OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
9. THE CONTRACTOR SHALL ENSURE ALL WATER SYSTEM VALVES, VALVE VAULTS, AND SANITARY SEWER MANHOLES REMAIN READILY ACCESSIBLE FOR EMERGENCY OPERATIONS. THE LOCATIONS OF ALL WATER AND SANITARY FACILITIES SHALL BE MARKED AND READILY VISIBLE AT ALL TIMES.
10. THE INDISCRIMINATE USE OF FIRE HYDRANTS, EXISTING STREAMS, CREEKS, WETLANDS, OR PONDS IS STRICTLY PROHIBITED. THE CONTRACTOR SHALL PROVIDE A WATER TRUCK AND DRIVER AS REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WATER FROM AN APPROVED SOURCE. IF THIS WATER IS FROM A JURISDICTION FOR THE SOURCE OF THE WATER MUST BE RECEIVED BY THE CONTRACTOR PRIOR TO THE USE OF WATER.
11. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SELECT DUMPING SITES. HE/SHE SHALL PROVIDE A LIST OF THESE SITES TO THE ENGINEER FOR HIS/HER EXAMINATION AND GENERAL INFORMATION.
12. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE AND PUBLIC DRAINS, SEWERS, AND CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES TO ACCEPT ALL STORM WATER THAT WILL BE DELIVERED BY THESE DRAINS AND BASINS AND SHALL DISCHARGE THE SAME. IF NECESSARY, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT AND TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF WATER WHICH IS RECEIVED FROM ALL TEMPORARY CONNECTIONS. THESE TEMPORARY FACILITIES SHALL BE MAINTAINED UNTIL ALL PERMANENT CONNECTIONS ARE COMPLETED.
13. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE FOLLOWED WHEN EXISTING CURB AND GUTTER IS REMOVED AND EXISTING DRAINAGE STRUCTURES ARE TO REMAIN ACTIVE. THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE DETAIL PROVIDED IN THE CONTRACT DOCUMENTS.
14. THE THICKNESS OF THE HMA SHOWN ON THE PLANS IS NOMINAL. DEVIATIONS MAY OCCUR IN THE FIELD DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE UPON WHICH THE HMA IS BEING PLACED.
15. UNLESS OTHERWISE APPROVED BY THE ENGINEER, CONTRACTOR SHALL BE REQUIRED TO KEEP ALL DRIVEWAY ENTRANCES OPEN TO TRAFFIC. ALL CONCRETE WORK AT ENTRANCES SHALL BE CONSTRUCTED ½ AT A TIME TO ALLOW ACCESS DURING THE CONCRETE CURING PERIOD.
16. THE CONTRACTOR SHALL HAVE LINE AND/OR FORMS SET A MINIMUM OF FOUR WORKING HOURS PRIOR TO THE SCHEDULED ARRIVAL OF CONCRETE ON SITE FOR THE PLACEMENT OF CURB AND GUTTER, DRIVEWAYS, AND SIDEWALK TO ALLOW THE ENGINEER TIME TO CHECK LINE AND GRADE.
17. ALL RADII FOR PROPOSED COMBINATION CONCRETE CURB AND GUTTER SHALL MATCH THE EXISTING DIMENSION UNLESS OTHERWISE INDICATED ON THE PROJECT PLANS OR AS DIRECTED BY THE ENGINEER. ELEVATIONS SHOWN AT POINT ON THE CURB INDICATED FLOW LINE ELEVATIONS UNLESS NOTED OTHERWISE.
18. WHEN WATER SERVICE BOXES FALL WITHIN THE LIMITS OF CONCRETE FLATWORK, THE CONTRACTOR SHALL PROVIDE EITHER A SECTION OF 4" POLY VINYL CHLORIDE (PVC) PIPE OR 4" HIGH DENSITY POLYETHYLENE (HDPE) PIPE TO SLEEVE THE BOX. THE SLEEVE SHALL EITHER BE REMOVED OR TRIMMED TO MATCH THE FINISHED CONCRETE GRADE LEVEL. THE FINAL RESULT SHALL BE A SMOOTH FINISHED "BOX-OUT" AROUND THE SERVICE BOX WHICH SHALL FACILITATE EASY REMOVAL OF THE CAP AT MEET THE FINISHED GRADE. ALL WATER SERVICE BOXES WITHIN PAVEMENT RESURFACING SHALL BE ADJUSTED TO MEET THE FINISHED GRADE LEVEL.
19. WHEN A SEWER STRUCTURE FALLS WITHIN THE LIMITS OF A CONCRETE DRIVEWAY, THE CONTRACTOR SHALL PLACE EXPANSION MATERIAL IN A BOX APPROXIMATELY EIGHTEEN (18") INCHES FROM THE CENTER OF THE LID FORMING A SQUARE "BOX-OUT" AROUND THE FRAME. THE RESULT SHALL BE A CONDITION THAT WILL ALLOW FOR THE REMOVAL OF THE SQUARE OF CONCRETE FROM THE DRIVEWAY FOR THE PURPOSE OF REPLACING THE FRAME WITHOUT DAMAGING THE REMAINDER OF THE DRIVEWAY PAVEMENT.

20. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD THE LOCATIONS OF ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE REESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
21. THE CONTRACTOR SHALL PROVIDE SAFE AND ORDERLY PASSAGE FOR TRAFFIC AND PEDESTRIANS WHERE CONSTRUCTION OPERATIONS IMPACT PUBLIC THOROUGHFARES AND ADJACENT PROPERTY. THE CONTRACTOR SHALL PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
22. ALL SIDEWALK CURB RAMPS SHALL BE COMPLIANT WITH ALL APPLICABLE ADA STANDARDS AND INCLUDED DETAILS. INDIVIDUAL DESIGN DETAILS HAVE BEEN PROVIDED FOR ALL LOCATIONS WITH AN EXISTING SLOPE OVER 5%.
23. A NOMINAL QUANTITY HAS BEEN INCLUDED FOR THE FOLLOWING PAY ITEMS:
  - REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL- 25 CU YD
  - AGGREGATE SUBGRADE IMPROVEMENT, 12"- 75 SQ YD
  - CLASS D PATCHES- 648 SQ YD
24. ALL UTILITY STRUCTURES SHALL REMAIN ACCESSIBLE DURING CONSTRUCTION. WHEN UTILITY STRUCTURES ARE TO BE ADJUSTED UNDER TRAFFIC, TEMPORARY RAMPS SHALL BE CONSTRUCTED AND MAINTAINED AT BOTH UPSTREAM AND DOWNSTREAM ENDS OF THE UTILITY CASTING IN ACCORDANCE WITH ARTICLE 406.08.
25. CONTRACTOR SHALL SCHEDULE A WALK-THROUGH WITH VILLAGE PUBLIC WORKS 630-271-4180 FOR TREE ROOT PRUNING BEFORE CONSTRUCTION COMMENCEMENT. PLEASE PROVIDE AT LEAST 72-HOUR NOTICE TO VILLAGE PRIOR TO THE DESIRABLE WALK-THROUGH APPOINTMENT SESSION ON SITE.
26. THE DATUM IS REFERENCED TO THE ILLINOIS STATE PLANE COORDINATES USING THE NORTH AMERICAN DATUM OF 1983 (NAD 83).

GENERAL NOTES - SEWERS:

27. ALL FRAMES WITH CLOSED LIDS BEING FURNISHED FOR THIS PROJECT AS CONSTRUCTION, ADJUSTMENT, OR RECONSTRUCTION OF ANY MANHOLE, CATCH BASIN, INLET, OR WATER VALVE VAULT SHALL HAVE CAST INTO THE LID ONE OR MORE OF THE FOLLOWING WORDS:
  - "STORM" - FOR STORM SEWER MANHOLE LIDS
  - "SANITARY" - FOR SANITARY MANHOLE LIDS
  - "WATER" - FOR WATER SYSTEM STRUCTURE LIDS
  - "FISH" SYMBOL DIRECTLY ON THE CURB BACK - FOR CURB INLET FRAMES
28. IF AT ANY TIME DURING THE CONSTRUCTION OF THIS PROJECT LOOSE MATERIAL IS DEPOSITED INTO THE FLOW LINE OF A SEWER STRUCTURE IN SUCH A WAY AS TO RESTRICT OR OBSTRUCT THE NATURAL FLOW OF WATER IN THE STRUCTURE, THE MATERIAL SHALL BE REMOVED BEFORE THE CLOSE OF THE WORKING DAY DURING WHICH IT WAS DEPOSITED. AT THE CONCLUSION OF CONSTRUCTION ACTIVITIES, AND BEFORE THE ENGINEER ACCEPTS THE PROJECT, ALL SEWERS AND SEWER STRUCTURES THAT FALL WITHIN THE LIMITS OF THE PROJECT SHALL BE FREE OF CONSTRUCTION DEBRIS AND LOOSE MATERIAL.

thomas engineering group, llc 762 shoreline drive suite 200 aurora, illinois 60504 phone: 855-533-1700	USER NAME = DonN	DESIGNED -	REVISED	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>	FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
							45007	19-00065-00-RS	DuPAGE	62	2			
							CONTRACT NO. 61666							
PLOT SCALE = 2.0000' / in. PLOT DATE = 11/10/2020						SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES							
NOM.	SP. PROV.	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	CONSTR CODE 00005 STU 50/50	CONSTR CODE 00021 STU 50/50
*		20101200	TREE ROOT PRUNING	EACH	100	100	
		20101400	NITROGEN FERTILIZER NUTRIENT	POUND	6	6	
		20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	6	6	
		20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	6	6	
*		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	25	25	
		21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	425	425	
		25200110	SODDING, SALT TOLERANT	SQ YD	425	425	
*		25200200	SUPPLEMENTAL WATERING	UNIT	20	20	
		28000510	INLET FILTERS	EACH	44	44	
*		30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	75	75	
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	21,923	21,923	
*		40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	17	17	
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	380	380	
		40602978	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50	TON	2,728	2,728	
		40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	3,183	3,183	
		44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	32,478	32,478	

SUMMARY OF QUANTITIES							
NOM.	SP. PROV.	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	CONSTR CODE 00005 STU 50/50	CONSTR CODE 00021 STU 50/50
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	936	936	
*		44201725	CLASS D PATCHES, TYPE I, 7 INCH	SQ YD	162	162	
*		44201729	CLASS D PATCHES, TYPE II, 7 INCH	SQ YD	162	162	
*		44201733	CLASS D PATCHES, TYPE III, 7 INCH	SQ YD	162	162	
*		44201735	CLASS D PATCHES, TYPE IV, 7 INCH	SQ YD	162	162	
*		48102100	AGGREGATE WEDGE SHOULDERS, TYPE B	TON	100	100	
		60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	1	1	
*		60251500	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE	EACH	14	14	
*		60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	10	10	
*		60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	10	10	
		60603800	COMBINATION CURB AND GUTTER, TYPE B-6.12	FOOT	936	936	
		63200310	GUARDRAIL REMOVAL	FOOT	25	25	
		67100100	MOBILIZATION	L SUM	1	1	
		70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	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	

**SUMMARY OF QUANTITIES**

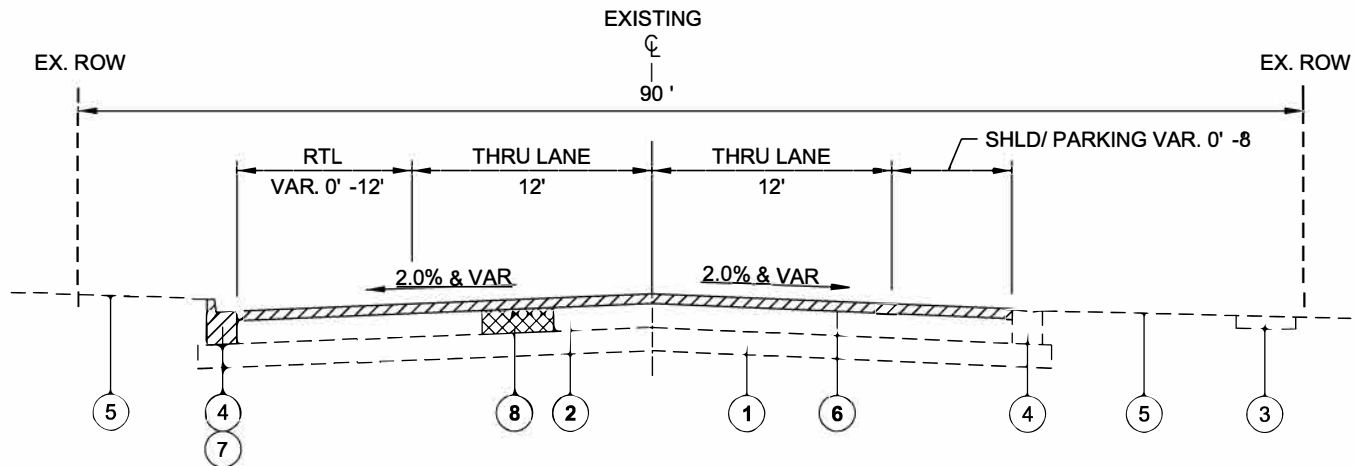
NOM.	SP. PROV.	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	CONSTR CODE 00005 STU 50/50	CONSTR CODE 00021 STU 50/50
		70107025	CHANGEABLE MESSAGE SIGN	CAL DAY	60	60	
*		70300100	SHORT TERM PAVEMENT MARKING	FOOT	15,120		15,120
*		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	5,040		5,040
Δ		72000100	SIGN PANEL TYPE 1	SQ FT	175	175	
Δ		72501000	TERMINAL MARKER- DIRECT APPLIED	EACH	2		2
Δ		72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	375	375	
Δ		78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1,938		1,938
Δ		78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	23,568		23,568
Δ		78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,192		1,192
Δ		78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,393		1,393
Δ		78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	159		159
Δ		78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	360		360
		78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	171		171
Δ		88600600	DETECTOR LOOP REPLACEMENT	FOOT	1,016		1,016
Δ		63100167	TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL TANGENT	EACH	2		2
	CS	X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1		1

**SUMMARY OF QUANTITIES**

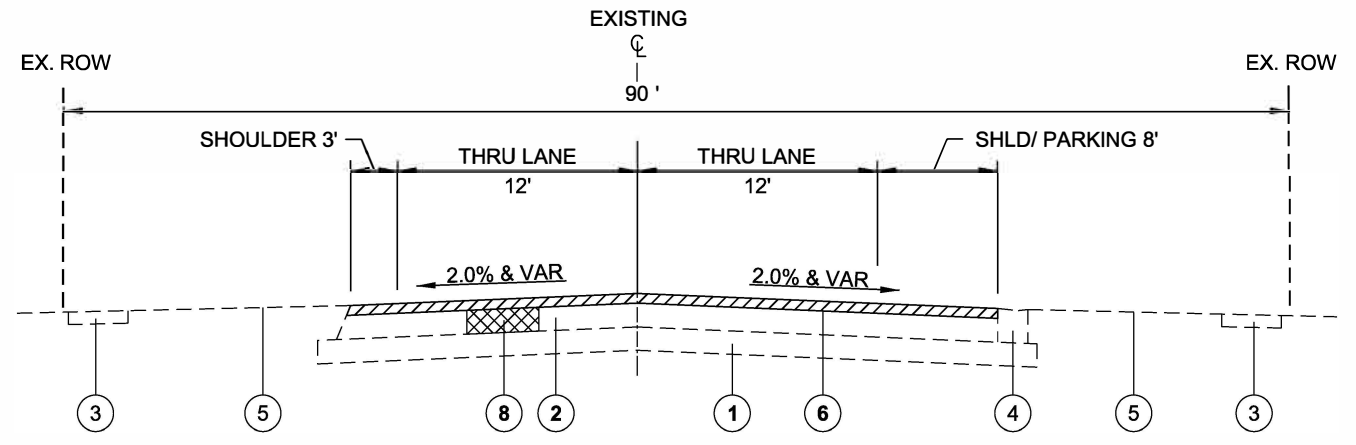
NOM.	SP. PROV.	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	CONSTR CODE 00005 STU 50/50	CONSTR CODE 00021 STU 50/50
		X0324056	REMOVAL OF EXISTING WOOD BOLLARDS	EACH	11	11	
		X0326144	TACTILE/DETECTABLE WARNING SURFACE	SQ FT	331	331	
	CS	X4240430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH. SPECIAL	SQ FT	2,378		2,378
	CS	X4404700	SIDEWALK REMOVAL (SPECIAL)	SQ FT	2,304	2,304	
*	CS	X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	6	6	
*	CS	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	10	10	
*	CS	X6061005	CONCRETE CURB, TYPE B (SPECIAL)	FOOT	60		60
*		Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	103	103	
		Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	9,760	9,760	
#		Z0076600	TRAINEES	HOOR	500	500	
#		Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOOR	500	500	

CS = CONTRACT SPECIAL PROVISION (SEE SECTION III)  
 \* = NOMINAL QUANTITY PROVIDED. THE ACTUAL NEED WILL BE DETERMINED IN THE FIELD AT TIME OF CONSTRUCTION.  
 QUANTITIES WILL BE DEDUCTED IF THE WORK IS NOT DEEMED NECESSARY.

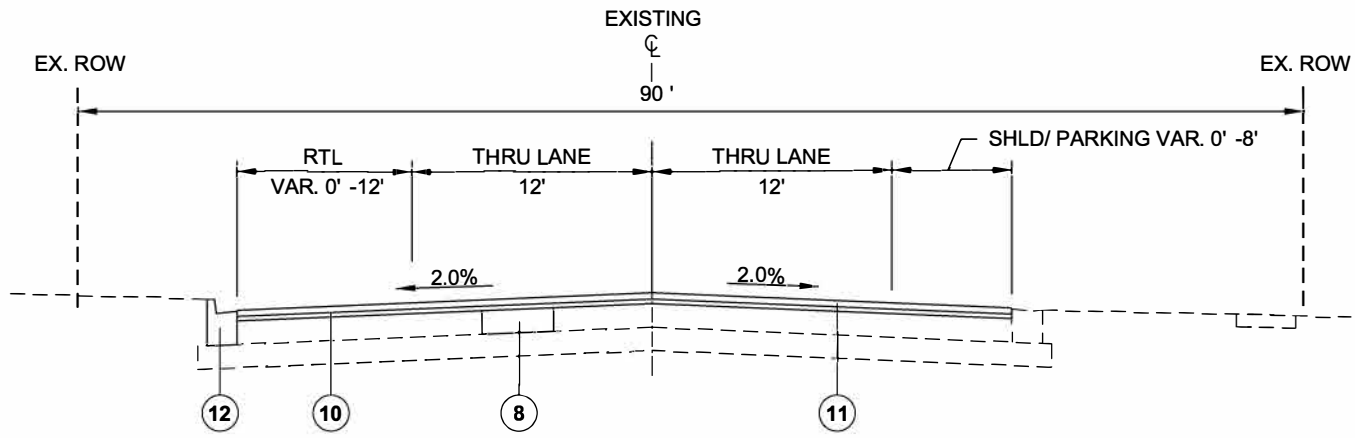
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 Δ SPECIALTY ITEMS



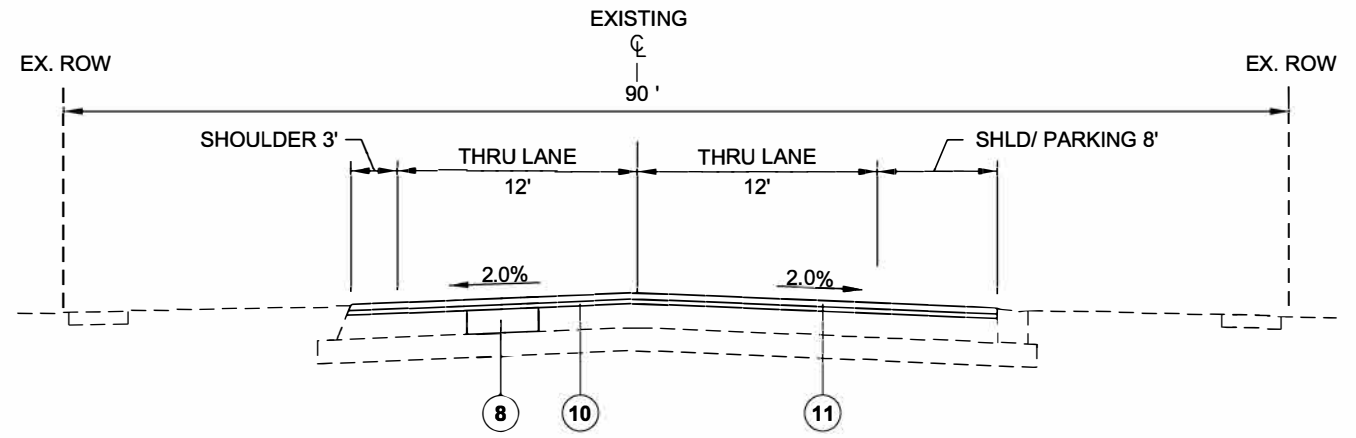
**EXISTING TYPICAL SECTION**  
**ABBEYWOOD DRIVE**  
**STA. 100+34 TO STA. 103+04**



**EXISTING TYPICAL SECTION**  
**ABBEYWOOD DRIVE**  
**STA. 103+04 TO STA. 105+45**



**PROPOSED TYPICAL SECTION**  
**ABBEYWOOD DRIVE**  
**STA. 100+34 TO STA. 103+04**



**PROPOSED TYPICAL SECTION**  
**ABBEYWOOD DRIVE**  
**STA. 103+04 TO STA. 105+45**

- LEGEND**
- ① EX SUB-BASE GRAN MATL, THICKNESS VARIES
  - ② EX HMA PAVEMENT, 10"
  - ③ EX PCC/HMA SIDEWALK
  - ④ EX CONC. CURB AND GUTTER/ DEPRESSED CURB AND GUTTER
  - ⑤ EX PARKWAY
  - ⑥ HMA SURFACE REMOVAL, 3"
  - ⑦ COMB. CURB AND GUTTER REMOVAL (SEE NOTE 1)
  - ⑧ PR CLASS D PATCHES, 7" (SEE NOTE 1)
  - ⑨ PR SIDEWALK REMOVAL (SEE NOTE 1)
  - ⑩ PR. HMA BINDER CRS., IL-9.5, N50, 1-1/2"
  - ⑪ PR. HMA SURFACE CRS, IL-9.5, MIX "D", N50, 1-3/4"
  - ⑫ PR COMB CONC CURB AND GUTTER, TY B-6.12 (SEE NOTE 1)
  - ⑬ PR SODDING, SALT TOLERANT AND TOPSOIL FURNISH AND PLACE, 4" (SEE NOTE 1)
  - ⑭ PR. P.C.C. SIDEWALK, 5" (SEE NOTE 1)

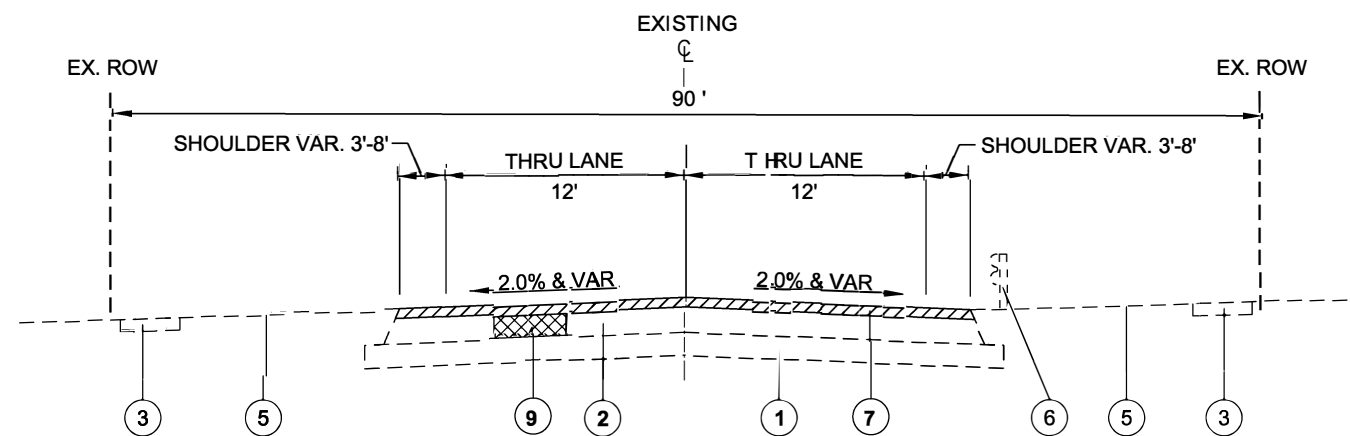
**LEGEND**  
 REMOVAL ITEMS

- NOTES:**
1. LOCATIONS WILL BE SPECIFIED BY THE ENGINEER IN THE FIELD DURING CONSTRUCTION
  2. PR AGG BASE COURSE IS INCLUDED IN THE PCC SIDEWALK PAY ITEM. SEE PROJECT SPECIFICATIONS FOR DETAILS.
  3. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE BINDER LIFT.

\* 1.5% DESIRABLE, 2% MAXIMUM

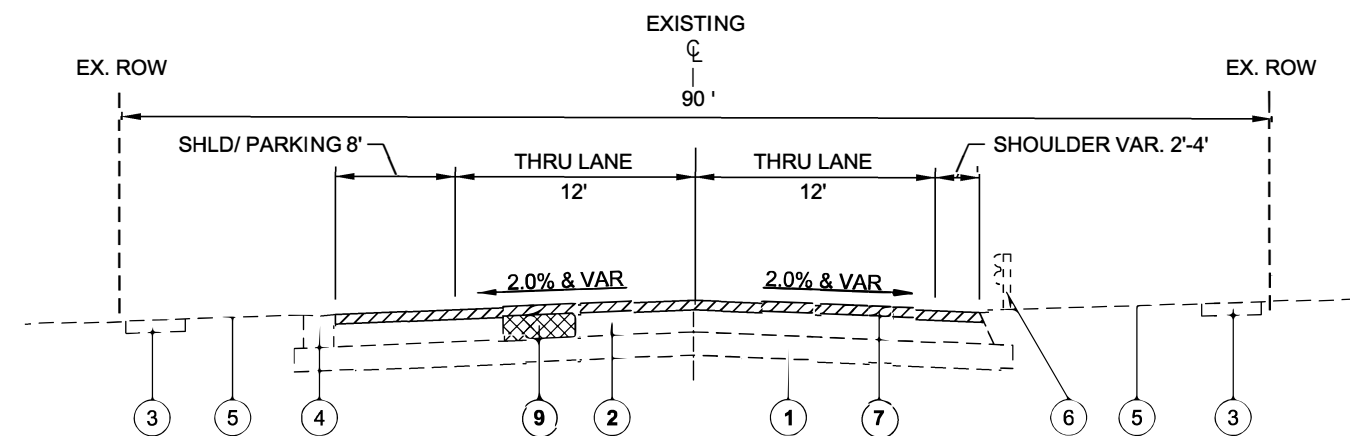
HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
ROADWAY RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	4% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50	4% @ 50 Gyr.

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL "PG 64 -22" UNLESS MODIFIED BY SPECIALS PROVISIONS.
3. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
4. THE CONTRACTOR SHALL MILL BEFORE PATCHING.



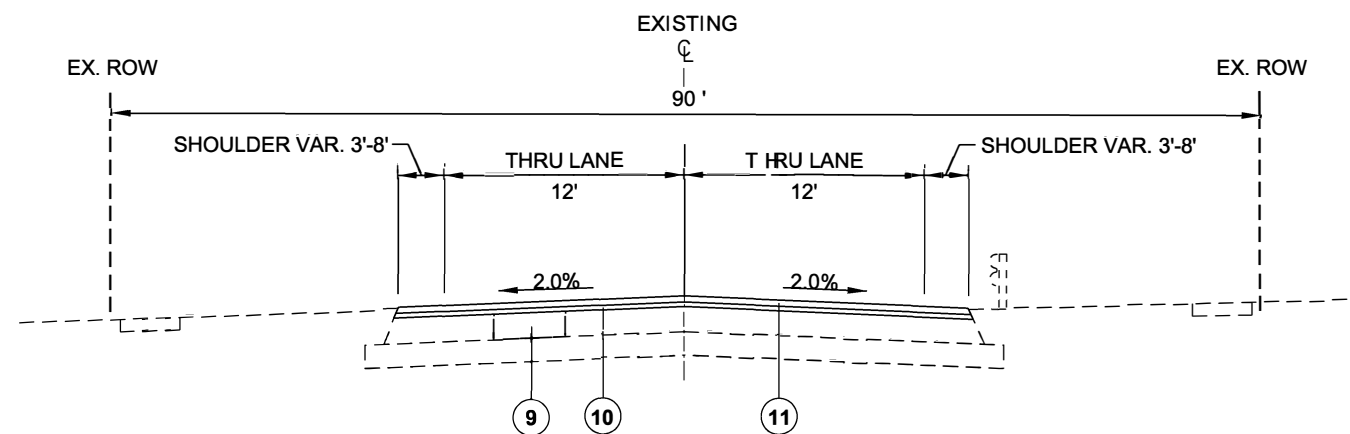
**EXISTING TYPICAL SECTION**

**ABBNEYWOOD DRIVE**  
 STA. 105+45 TO STA. 129+90  
 STA. 132+53 TO STA. 134+60  
 STA. 136+10 TO STA. 136+83  
 STA. 138+00 TO STA. 138+96



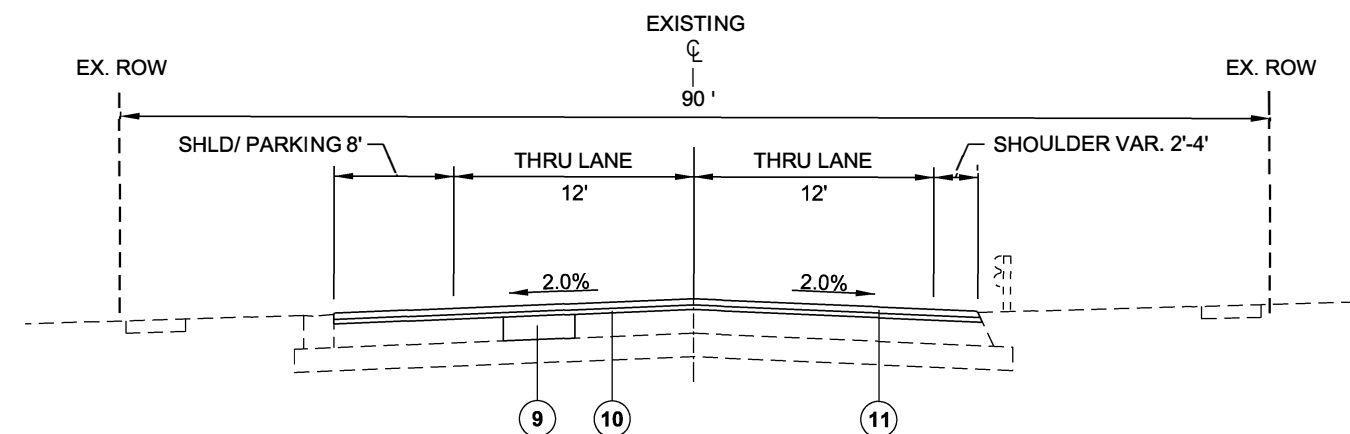
**EXISTING TYPICAL SECTION**

**ABBNEYWOOD DRIVE**  
 STA. 129+90 TO STA. 132+53



**PROPOSED TYPICAL SECTION**

**ABBNEYWOOD DRIVE**  
 STA. 105+45 TO STA. 129+90  
 STA. 132+53 TO STA. 134+60  
 STA. 136+10 TO STA. 136+83  
 STA. 138+00 TO STA. 138+96



**PROPOSED TYPICAL SECTION**

**ABBNEYWOOD DRIVE**  
 STA. 129+90 TO STA. 132+53

**LEGEND**

- ① EX SUB-BASE GRAN MATL, THICKNESS VARIES
- ② EX HMA PAVEMENT, 10"
- ③ EX PCC/HMA SIDEWALK
- ④ EX CONC. CURB AND GUTTER/ DEPRESSED CURB AND GUTTER
- ⑤ EX PARKWAY
- ⑥ HMA SURFACE REMOVAL, 3"
- ⑦ COMB. CURB AND GUTTER REMOVAL (SEE NOTE 1)
- ⑧ PR CLASS D PATCHES, 7" (SEE NOTE 1)
- ⑨ PR SIDEWALK REMOVAL (SEE NOTE 1)
- ⑩ PR. HMA BINDER CRS., IL-9.5, N50, 1-1/2"
- ⑪ PR. HMA SURFACE CRS, IL-9.5, MIX "D", N50, 1-3/4"
- ⑫ PR COMB CONC CURB AND GUTTER, TY B-6.12 (SEE NOTE 1)
- ⑬ PR SODDING, SALT TOLERANT AND TOPSOIL FURNISH AND PLACE, 4" (SEE NOTE 1)
- ⑭ PR. P.C.C. SIDEWALK, 5" (SEE NOTE 1)

**LEGEND**

REMOVAL ITEMS

**NOTES:**

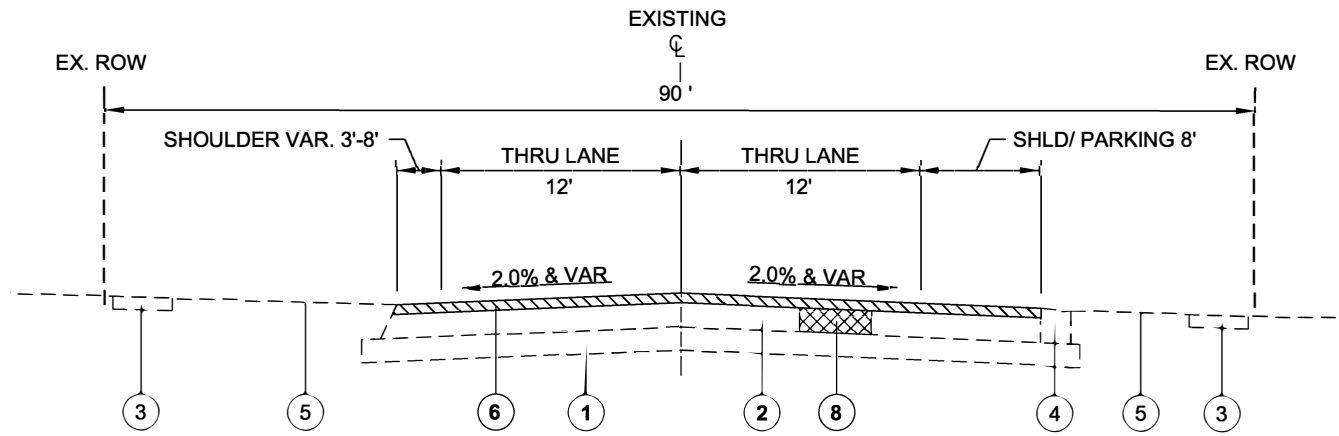
1. LOCATIONS WILL BE SPECIFIED BY THE ENGINEER IN THE FIELD DURING CONSTRUCTION
2. PR AGG BASE COURSE IS INCLUDED IN THE PCC SIDEWALK PAY ITEM. SEE PROJECT SPECIFICATIONS FOR DETAILS.
3. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE BINDER LIFT.

\* 1.5% DESIRABLE, 2% MAXIMUM

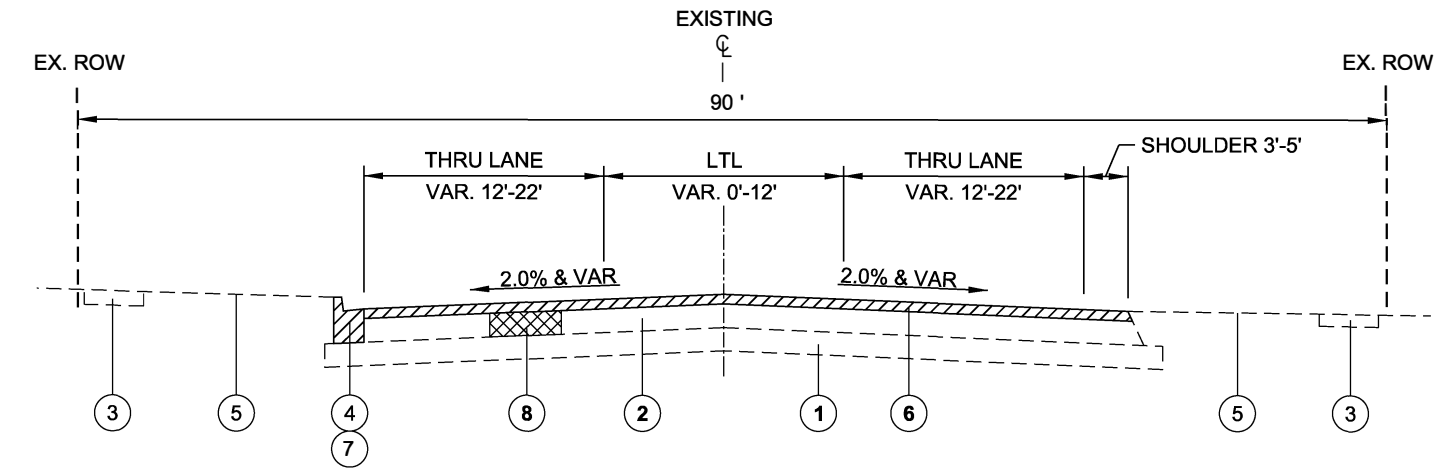
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	DRAWN -	REVISED -
PLOT SCALE = 2.0000' / 1" =	CHECKED -	REVISED -
PLOT DATE = 11/4/2020	DATE -	REVISED -

<b>TYPICAL SECTIONS</b>		SCALE:   SHEET OF SHEETS   STA. TO STA.	
<b>ABBNEYWOOD DRIVE</b>			

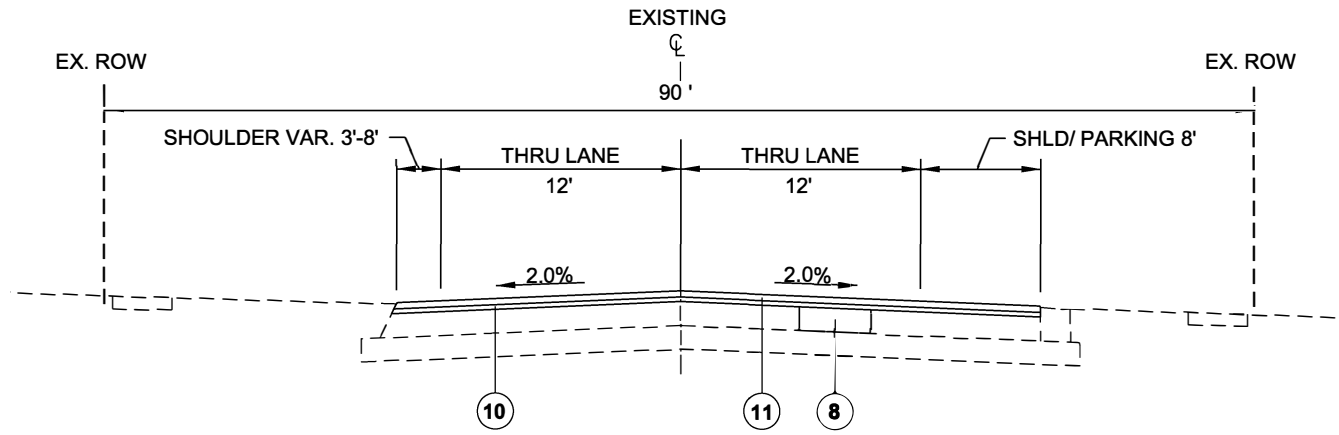
FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45007 4038	19-00065-00-RS		62	6
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G66	



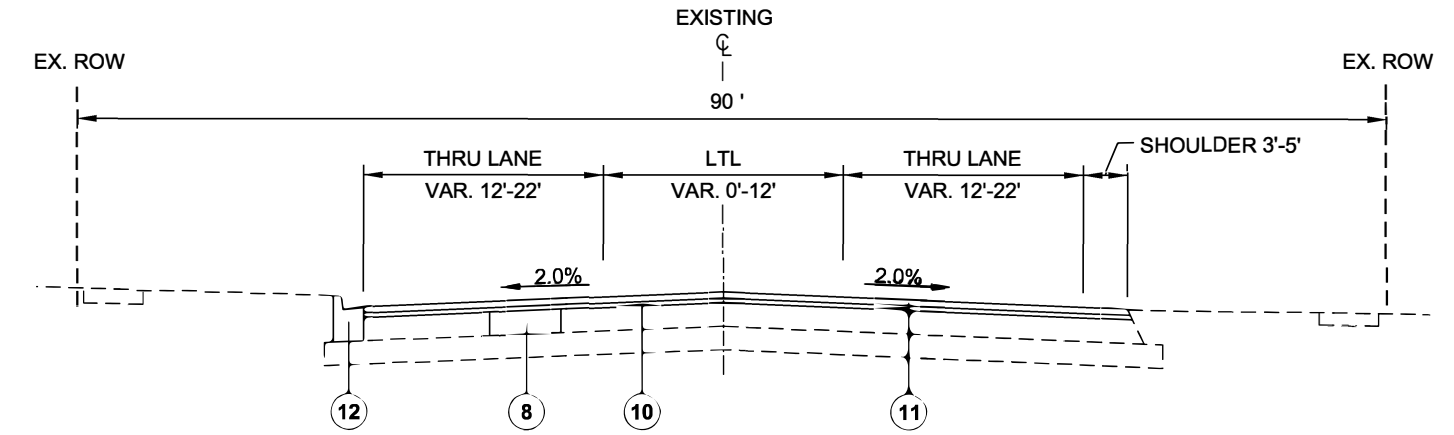
**EXISTING TYPICAL SECTION**  
**ABBEEWOOD DRIVE**  
 STA. 134+60 TO STA. 136+10  
 STA. 136+83 TO STA. 138+00  
 STA. 138+96 TO STA. 140+15



**EXISTING TYPICAL SECTION**  
**ABBEEWOOD DRIVE**  
 STA. 140+15 TO STA. 141+96



**PROPOSED TYPICAL SECTION**  
**ABBEEWOOD DRIVE**  
 STA. 134+60 TO STA. 136+10  
 STA. 136+83 TO STA. 138+00  
 STA. 138+96 TO STA. 140+15



**PROPOSED TYPICAL SECTION**  
**ABBEEWOOD DRIVE**  
 STA. 140+15 TO STA. 141+96

**LEGEND**

- ① EX SUB-BASE GRAN MATL, THICKNESS VARIES
- ② EX HMA PAVEMENT, 10"
- ③ EX PCC/HMA SIDEWALK
- ④ EX CONC. CURB AND GUTTER/ DEPRESSED CURB AND GUTTER
- ⑤ EX PARKWAY
- ⑥ HMA SURFACE REMOVAL, 3"
- ⑦ COMB. CURB AND GUTTER REMOVAL (SEE NOTE 1)
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- ⑫ PR COMB CONC CURB AND GUTTER, TY B-6.12 (SEE NOTE 1)
- ⑬ PR SODDING, SALT TOLERANT AND TOPSOIL FURNISH AND PLACE, 4" (SEE NOTE 1)
- ⑭ PR. P.C.C. SIDEWALK, 5" (SEE NOTE 1)

**LEGEND**

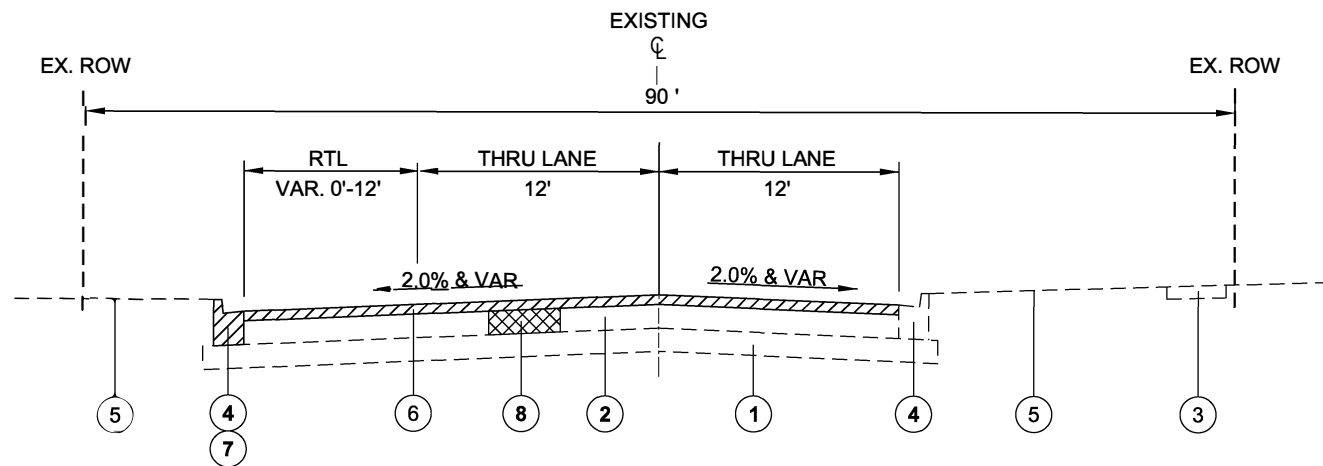
REMOVAL ITEMS

**NOTES:**

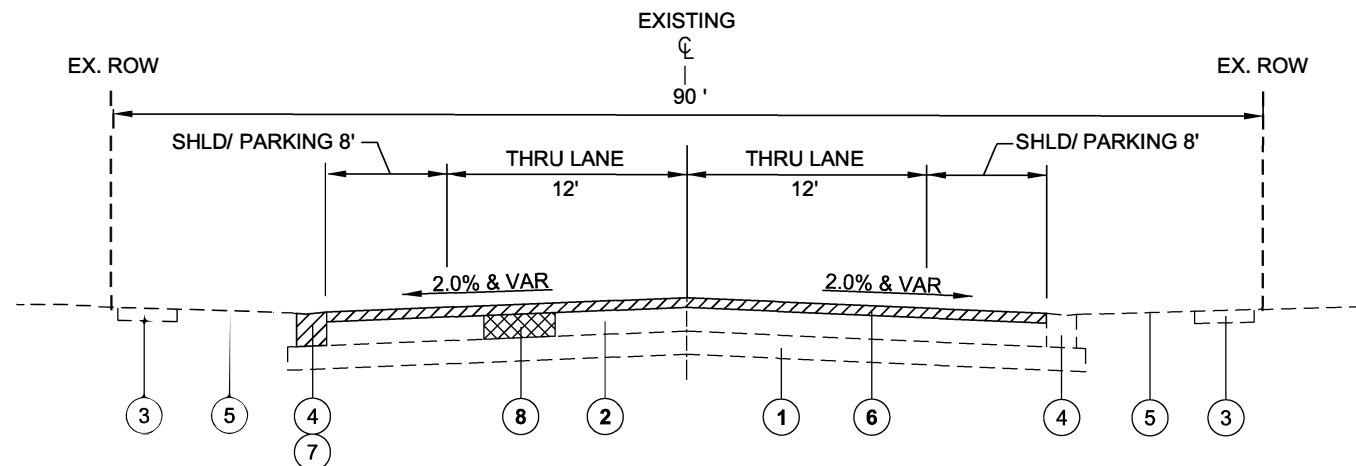
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  3. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE BINDER LIFT.
- \* 1.5% DESIRABLE, 2% MAXIMUM

USER NAME = DonN	DESIGNED -	REVISED
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PLOT SCALE = 2.0000' / 1" =	CHECKED -	REVISED -
PLOT DATE = 11/4/2020	DATE -	REVISED -

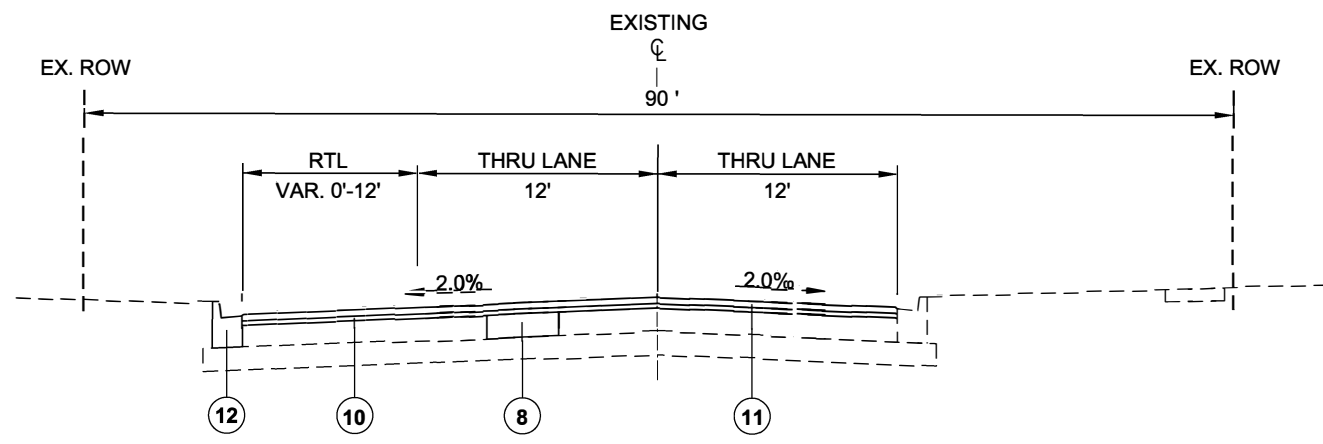
<b>TYPICAL SECTIONS</b>		FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>ABBEEWOOD DRIVE</b>		4500/4038	19-00065-00-RS		62	7
SCALE:	SHEET OF SHEETS	STA.	TO STA.	CONTRACT NO. 61G66		



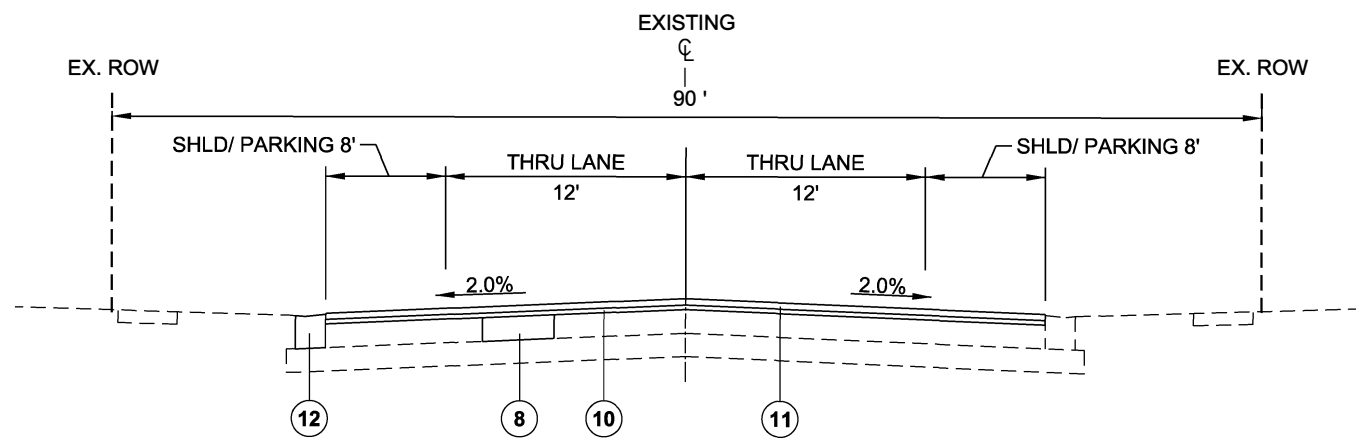
**EXISTING TYPICAL SECTION**  
GREEN TRAILS DRIVE  
STA. 201+01 TO STA. 210+52



**EXISTING TYPICAL SECTION**  
GREEN TRAILS DRIVE  
STA. 210+52 TO STA. 216+39



**PROPOSED TYPICAL SECTION**  
GREEN TRAILS DRIVE  
STA. 201+01 TO STA. 210+52



**PROPOSED TYPICAL SECTION**  
GREEN TRAILS DRIVE  
STA. 210+52 TO STA. 216+39

- LEGEND**
- ① EX SUB-BASE GRAN MATL, THICKNESS VARIES
  - ② EX HMA PAVEMENT, 10"
  - ③ EX PCC/HMA SIDEWALK
  - ④ EX CONC. CURB AND GUTTER/ DEPRESSED CURB AND GUTTER
  - ⑤ EX PARKWAY
  - ⑥ HMA SURFACE REMOVAL, 3"
  - ⑦ COMB. CURB AND GUTTER REMOVAL (SEE NOTE 1)
  - ⑧ PR CLASS D PATCHES, 7" (SEE NOTE 1)
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  - ⑫ PR COMB CONC CURB AND GUTTER, TY B-6.12 (SEE NOTE 1)
  - ⑬ PR SODDING, SALT TOLERANT AND TOPSOIL FURNISH AND PLACE, 4" (SEE NOTE 1)
  - ⑭ PR. P.C.C. SIDEWALK, 5" (SEE NOTE 1)

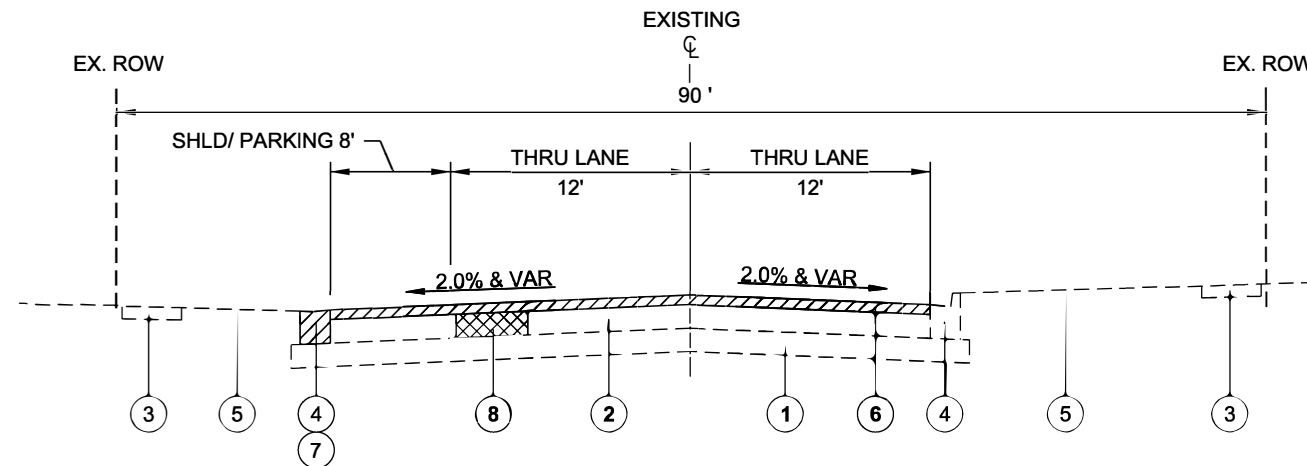
- LEGEND**
- REMOVAL ITEMS

- NOTES:**
1. LOCATIONS WILL BE SPECIFIED BY THE ENGINEER IN THE FIELD DURING CONSTRUCTION
  2. PR AGG BASE COURSE IS INCLUDED IN THE PCC SIDEWALK PAY ITEM. SEE PROJECT SPECIFICATIONS FOR DETAILS.
  3. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE BINDER LIFT.
- \* 1.5% DESIRABLE, 2% MAXIMUM

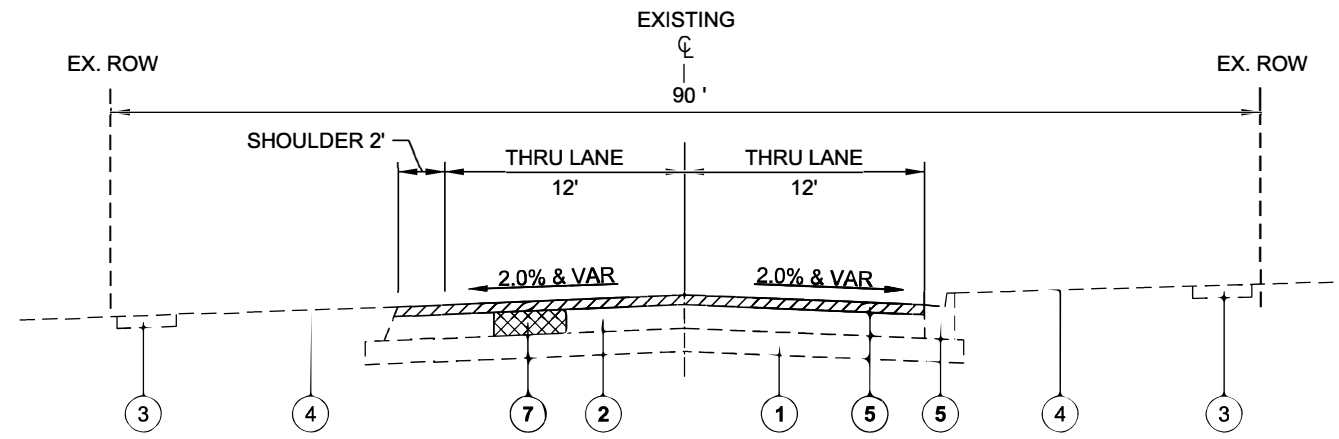
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DRAWN -	CHECKED -	REVISED -
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PLOT DATE = 11/4/2020		

TYPICAL SECTIONS GREEN TRAILS DRIVE		FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE:	SHEET OF SHEETS	45007	19-00065-00-RS	DuPAGE	62	8
	STA. TO STA.	ILLINOIS FED. AID PROJECT				

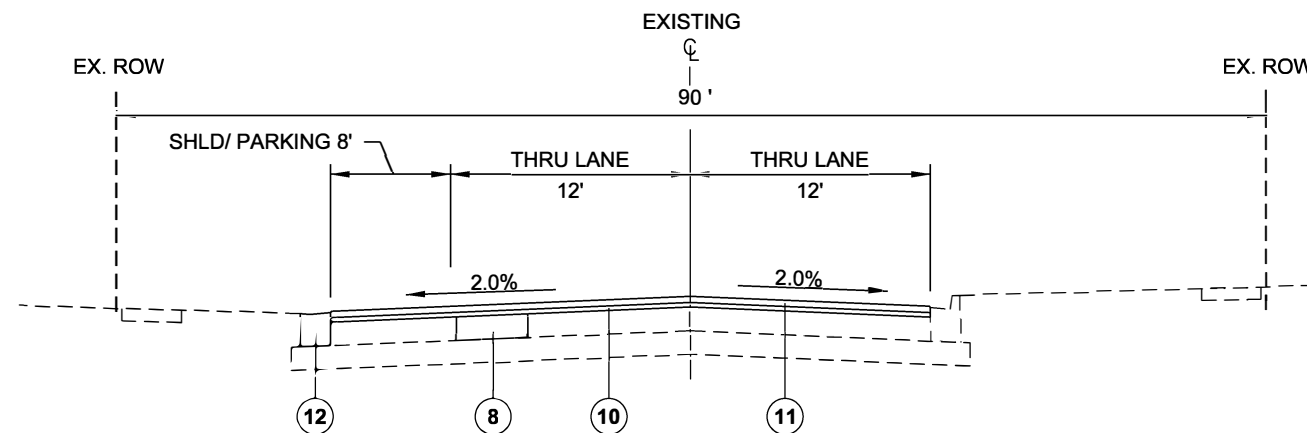




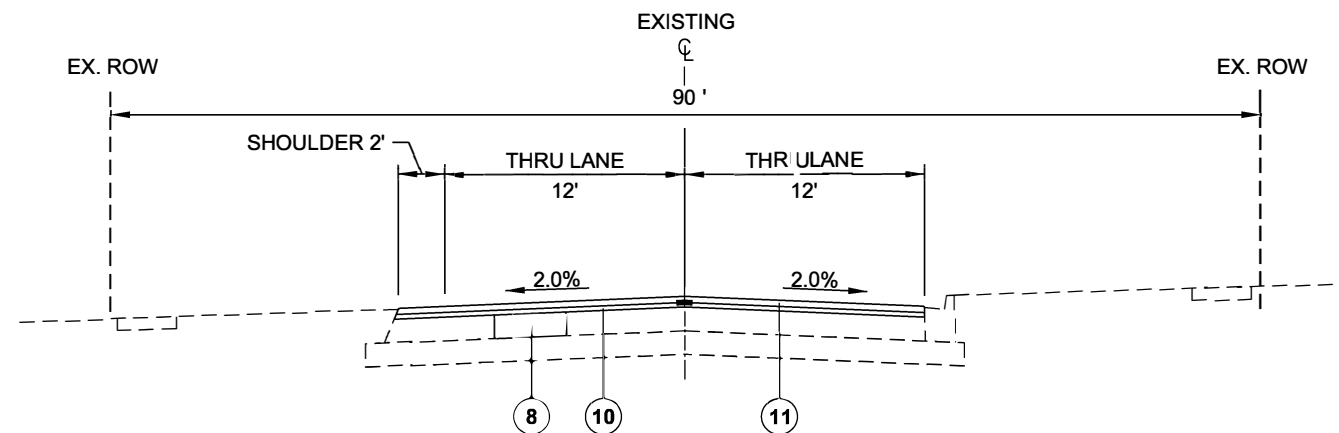
**EXISTING TYPICAL SECTION**  
**GREEN TRAILS DRIVE**  
**STA. 214+37 TO STA. 216+39**



**EXISTING TYPICAL SECTION**  
**GREEN TRAILS DRIVE**  
**STA. 216+39 TO STA. 219+90**



**PROPOSED TYPICAL SECTION**  
**GREEN TRAILS DRIVE**  
**STA. 214+37 TO STA. 216+39**



**PROPOSED TYPICAL SECTION**  
**GREEN TRAILS DRIVE**  
**STA. 216+39 TO STA. 219+90**

- LEGEND**
- ① EX SUB-BASE GRAN MATL, THICKNESS VARIES
  - ② EX HMA PAVEMENT, 10"
  - ③ EX PCC/HMA SIDEWALK
  - ④ EX CONC. CURB AND GUTTER/ DEPRESSED CURB AND GUTTER
  - ⑤ EX PARKWAY
  - ⑥ HMA SURFACE REMOVAL, 3"
  - ⑦ COMB. CURB AND GUTTER REMOVAL (SEE NOTE 1)
  - ⑧ PR CLASS D PATCHES, 7" (SEE NOTE 1)
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  - ⑩ PR. HMA BINDER CRS., IL-9.5, N50, 1-1/2"
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  - ⑫ PR COMB CONC CURB AND GUTTER, TY B-6.12 (SEE NOTE 1)
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  - ⑭ PR. P.C.C. SIDEWALK, 5" (SEE NOTE 1)

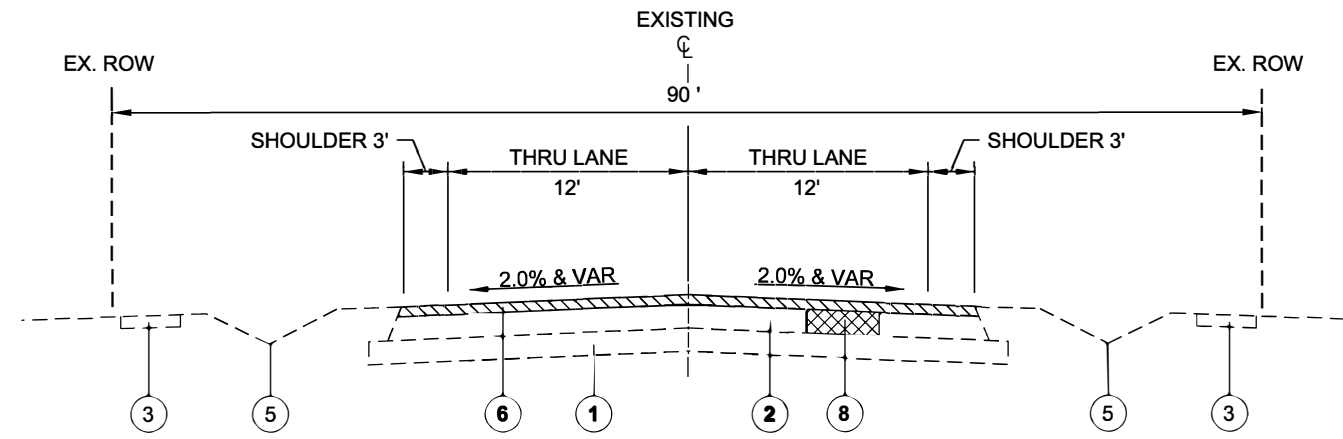
- LEGEND**
- REMOVAL ITEMS**

- NOTES:**
1. LOCATIONS WILL BE SPECIFIED BY THE ENGINEER IN THE FIELD DURING CONSTRUCTION
  2. PR AGG BASE COURSE IS INCLUDED IN THE PCC SIDEWALK PAY ITEM. SEE PROJECT SPECIFICATIONS FOR DETAILS.
  3. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE BINDER LIFT.
- \* 1.5% DESIRABLE, 2% MAXIMUM

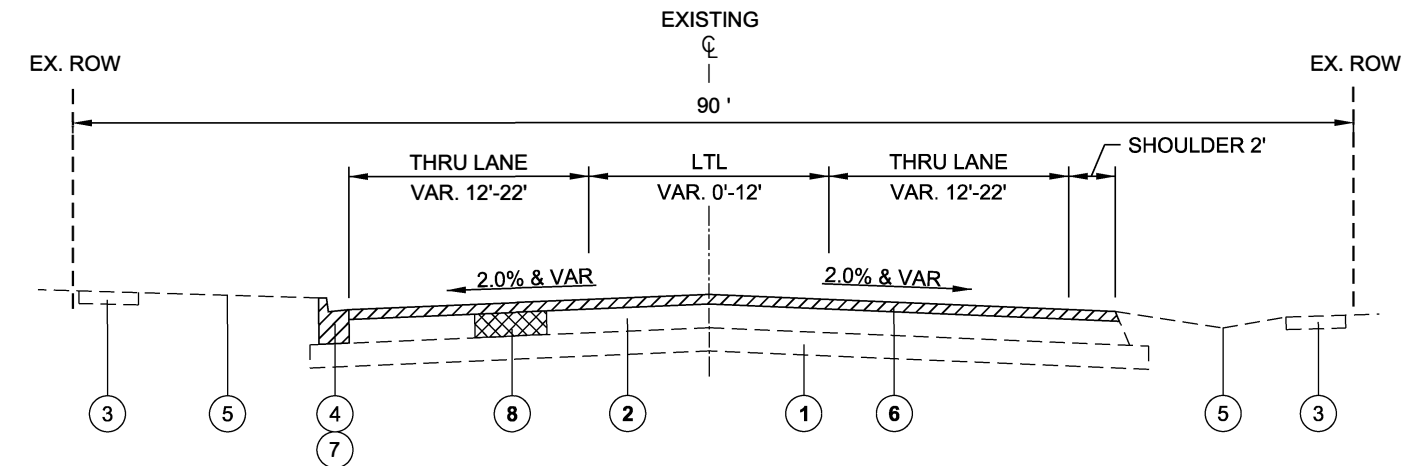
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PLOT DATE = 11/4/2020	DATE -	REVISED -

<b>TYPICAL SECTIONS</b>		SCALE:	
<b>GREEN TRAIL DRIVE</b>		SHEET	OF SHEETS
STA.	TO STA.		

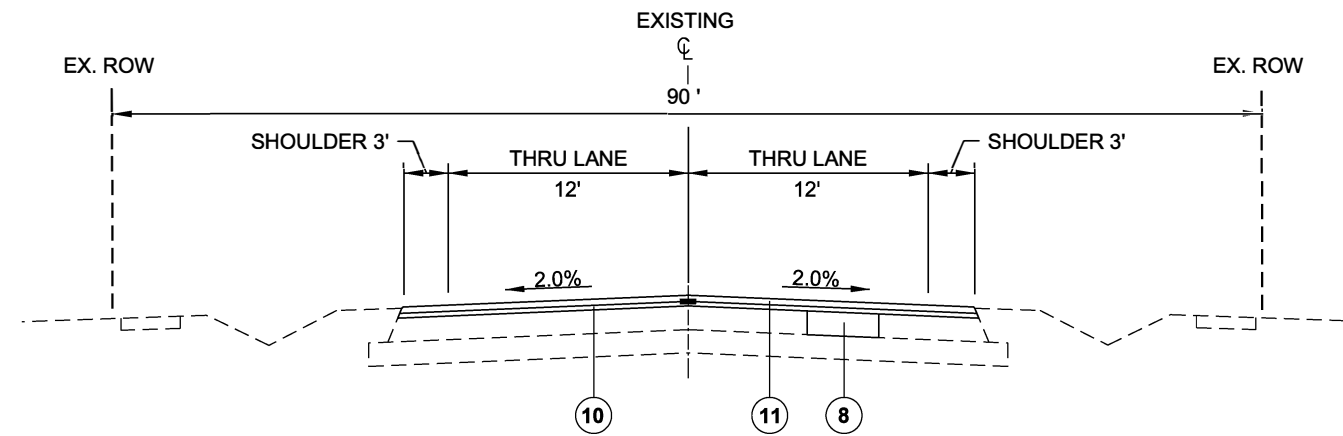
FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45007/4038	19-00065-00-RS	DuPAGE	62	9
CONTRACT NO. 61G66			ILLINOIS FED. AID PROJECT	



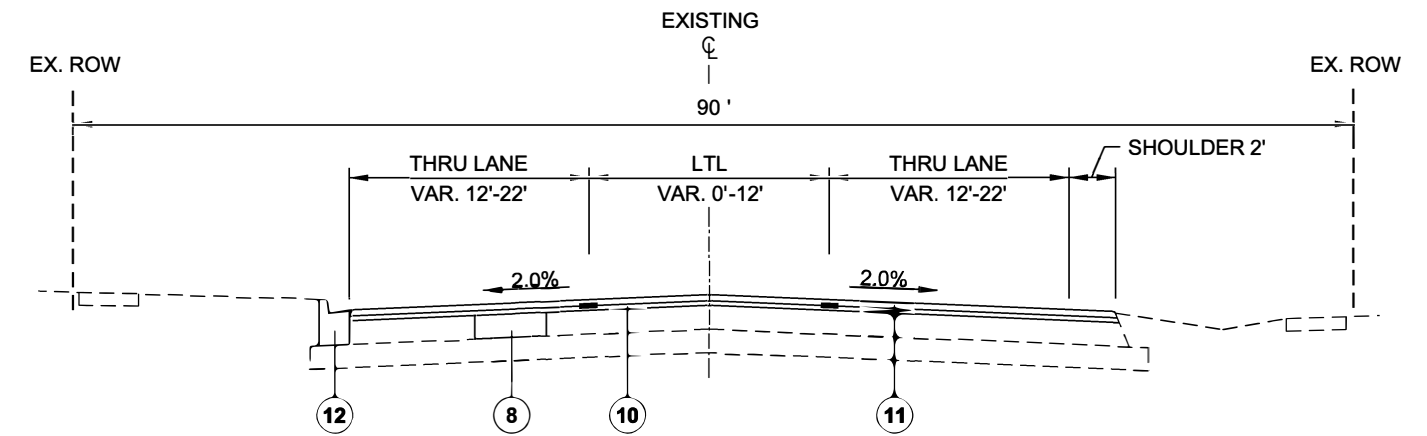
**EXISTING TYPICAL SECTION**  
GREEN TRAILS DRIVE  
STA. 219+90 TO STA. 234+88



**EXISTING TYPICAL SECTION**  
GREEN TRAILS DRIVE  
STA. 234+88 TO STA. 240+71



**PROPOSED TYPICAL SECTION**  
GREEN TRAILS DRIVE  
STA. 219+90 TO STA. 234+88



**PROPOSED TYPICAL SECTION**  
GREEN TRAILS DRIVE  
STA. 234+88 TO STA. 240+71

**LEGEND**

- ① EX SUB-BASE GRAN MATL, THICKNESS VARIES
- ② EX HMA PAVEMENT, 10"
- ③ EX PCC/HMA SIDEWALK
- ④ EX CONC. CURB AND GUTTER/ DEPRESSED CURB AND GUTTER
- ⑤ EX PARKWAY
- ⑥ HMA SURFACE REMOVAL, 3"
- ⑦ COMB. CURB AND GUTTER REMOVAL (SEE NOTE 1)
- ⑧ PR CLASS D PATCHES, 7" (SEE NOTE 1)
- ⑨ PR SIDEWALK REMOVAL (SEE NOTE 1)
- ⑩ PR. HMA BINDER CRS., IL-9.5, N50, 1-1/2"
- ⑪ PR. HMA SURFACE CRS, IL-9.5, MIX "D", N50, 1-3/4"
- ⑫ PR COMB CONC CURB AND GUTTER, TY B-6.12 (SEE NOTE 1)
- ⑬ PR SODDING, SALT TOLERANT AND TOPSOIL FURNISH AND PLACE, 4" (SEE NOTE 1)
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**LEGEND**

REMOVAL ITEMS

**NOTES:**

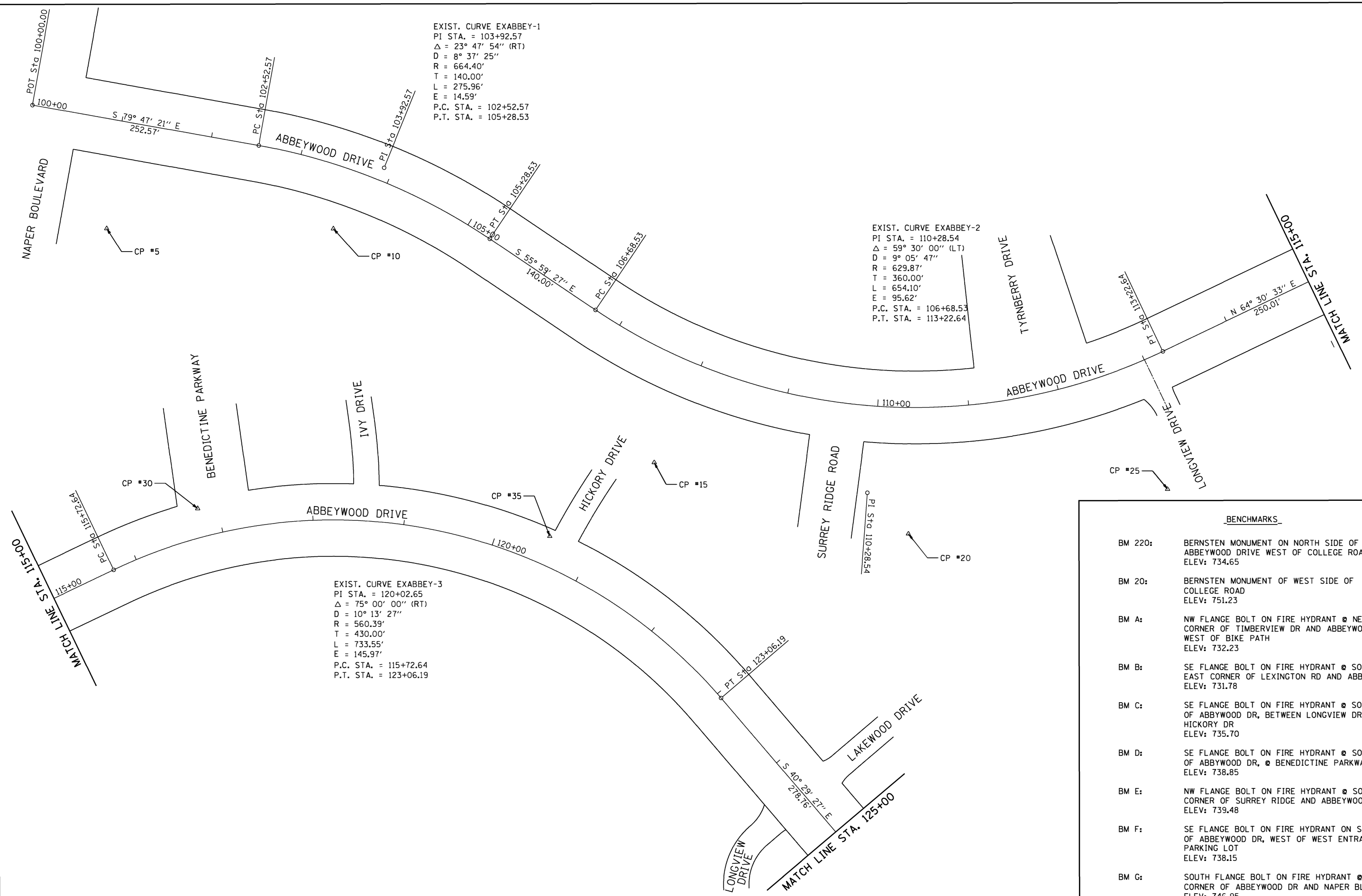
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  2. PR AGG BASE COURSE IS INCLUDED IN THE PCC SIDEWALK PAY ITEM. SEE PROJECT SPECIFICATIONS FOR DETAILS.
  3. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE BINDER LIFT.
- \* 1.5% DESIRABLE, 2% MAXIMUM



EXIST. CURVE EXABBEY-1  
 PI STA. = 103+92.57  
 $\Delta = 23^\circ 47' 54''$  (RT)  
 $D = 8^\circ 37' 25''$   
 $R = 664.40'$   
 $T = 140.00'$   
 $L = 275.96'$   
 $E = 14.59'$   
 P.C. STA. = 102+52.57  
 P.T. STA. = 105+28.53

EXIST. CURVE EXABBEY-2  
 PI STA. = 110+28.54  
 $\Delta = 59^\circ 30' 00''$  (LT)  
 $D = 9^\circ 05' 47''$   
 $R = 629.87'$   
 $T = 360.00'$   
 $L = 654.10'$   
 $E = 95.62'$   
 P.C. STA. = 106+68.53  
 P.T. STA. = 113+22.64

EXIST. CURVE EXABBEY-3  
 PI STA. = 120+02.65  
 $\Delta = 75^\circ 00' 00''$  (RT)  
 $D = 10^\circ 13' 27''$   
 $R = 560.39'$   
 $T = 430.00'$   
 $L = 733.55'$   
 $E = 145.97'$   
 P.C. STA. = 115+72.64  
 P.T. STA. = 123+06.19



BENCHMARKS	
BM 220:	BERNSTEN MONUMENT ON NORTH SIDE OF ABBEYWOOD DRIVE WEST OF COLLEGE ROAD ELEV: 734.65
BM 20:	BERNSTEN MONUMENT OF WEST SIDE OF COLLEGE ROAD ELEV: 751.23
BM A:	NW FLANGE BOLT ON FIRE HYDRANT @ NE CORNER OF TIMBERVIEW DR AND ABBEYWOOD DR, WEST OF BIKE PATH ELEV: 732.23
BM B:	SE FLANGE BOLT ON FIRE HYDRANT @ SOUTH EAST CORNER OF LEXINGTON RD AND ABBYWOOD DR ELEV: 731.78
BM C:	SE FLANGE BOLT ON FIRE HYDRANT @ SOUTH SIDE OF ABBYWOOD DR, BETWEEN LONGVIEW DR AND HICKORY DR ELEV: 735.70
BM D:	SE FLANGE BOLT ON FIRE HYDRANT @ SOUTH SIDE OF ABBYWOOD DR, @ BENEDICTINE PARKWAY ELEV: 738.85
BM E:	NW FLANGE BOLT ON FIRE HYDRANT @ SOUTHEAST CORNER OF SURREY RIDGE AND ABBEYWOOD DR. ELEV: 739.48
BM F:	SE FLANGE BOLT ON FIRE HYDRANT ON SOUTH SIDE OF ABBEYWOOD DR, WEST OF WEST ENTRANCE TO PARKING LOT ELEV: 738.15
BM G:	SOUTH FLANGE BOLT ON FIRE HYDRANT @ SOUTHEAST CORNER OF ABBEYWOOD DR AND NAPER BLVD ELEV: 746.95

**thomas** engineering group, llc  
 762 shoreline drive  
 suite 200  
 aurora, illinois 60504  
 phone: 855-433-1700

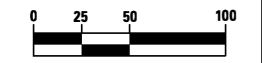
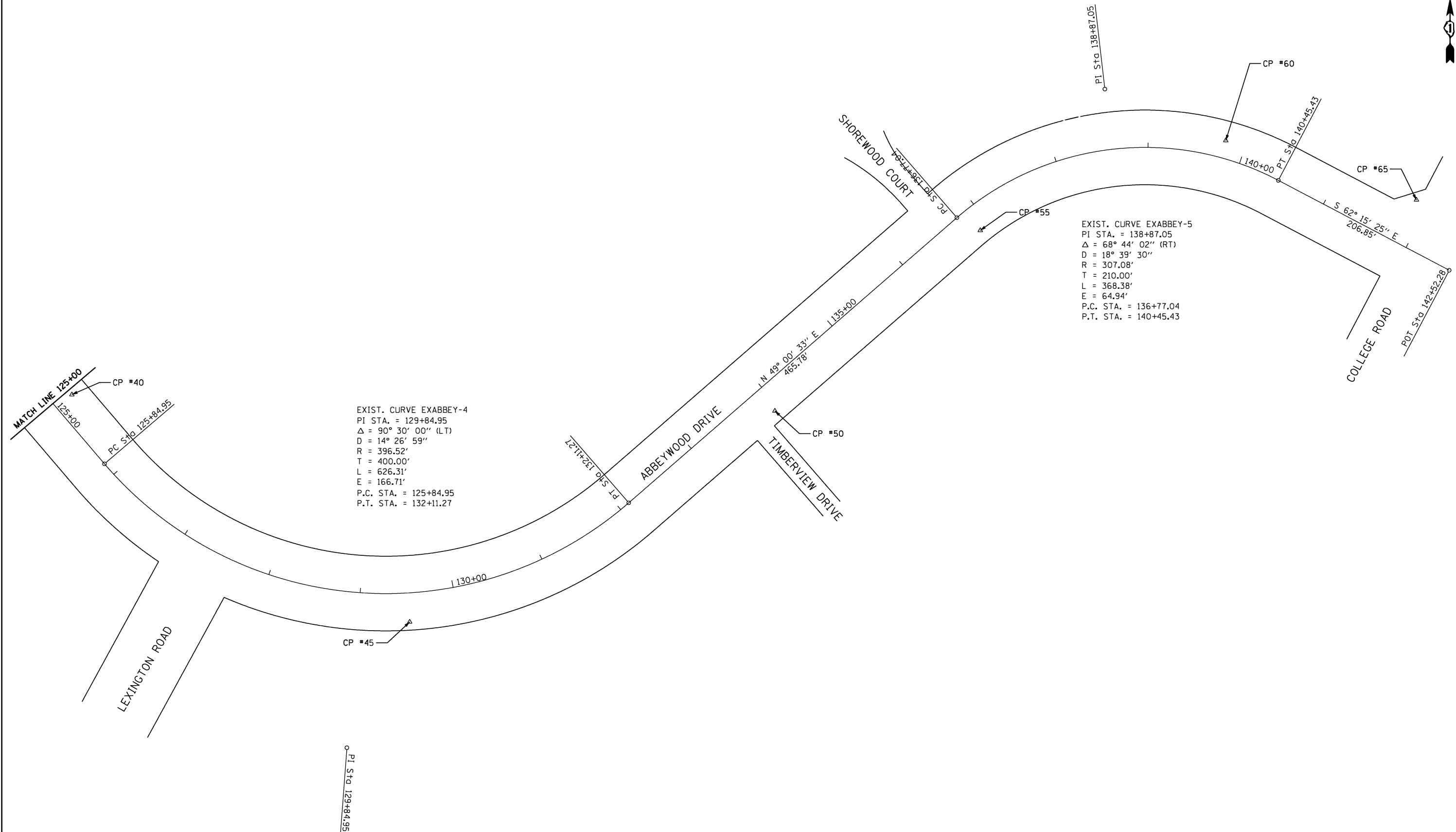
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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -
PLOT DATE = 11/4/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, BENCHMARKS AND TIES  
 ABBEYWOOD DRIVE**

SCALE: SHEET OF SHEETS STA. TO STA.

FAP 45007 4038	SECTION 19-00065-00-RS	COUNTY DuPAGE	TOTAL SHEETS 62	SHEET NO. 11
CONTRACT NO. 61666				
ILLINOIS FED. AID PROJECT				



HORIZONTAL SCALE IN FEET

**thomas**  
 thomas engineering group, llc  
 762 shoreline drive  
 suite 200  
 aurora, illinois 60504  
 phone: 855-533-1700  
 service at the highest grade

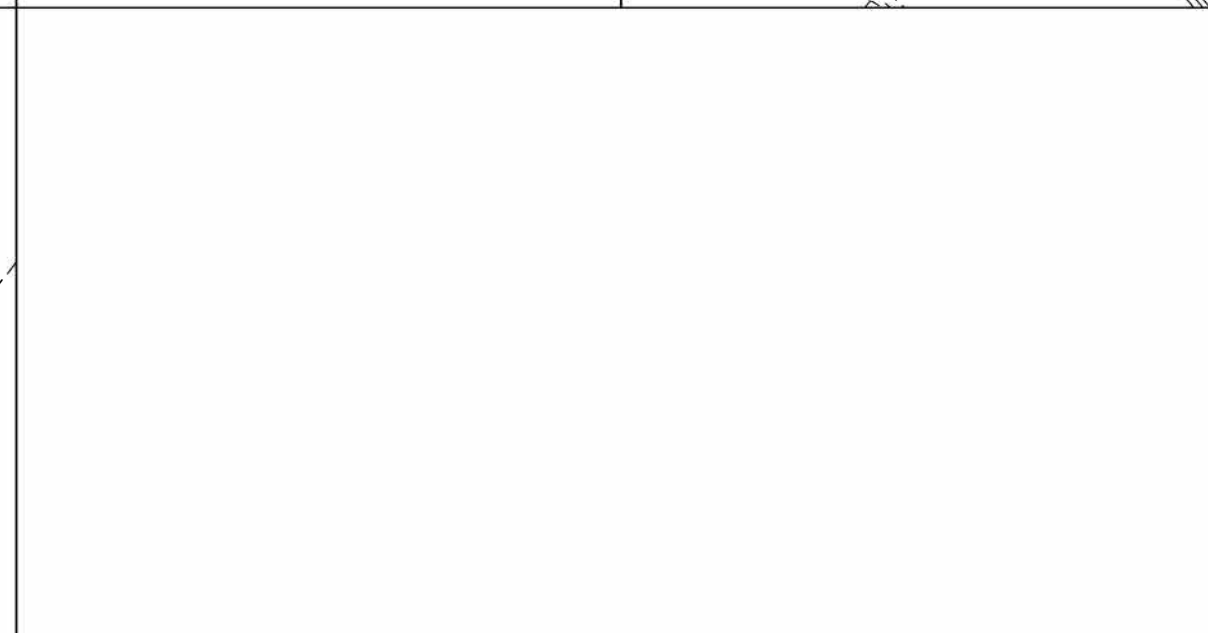
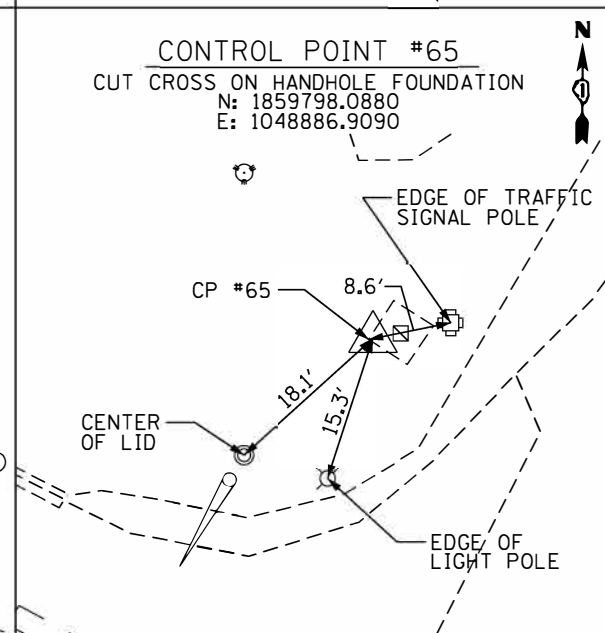
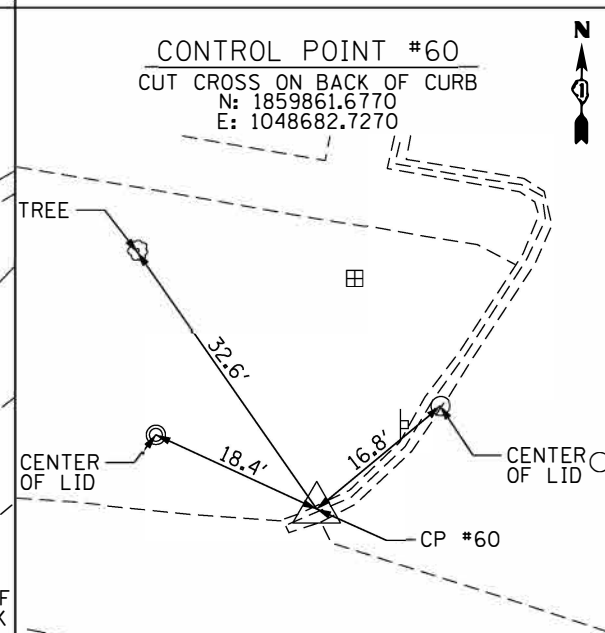
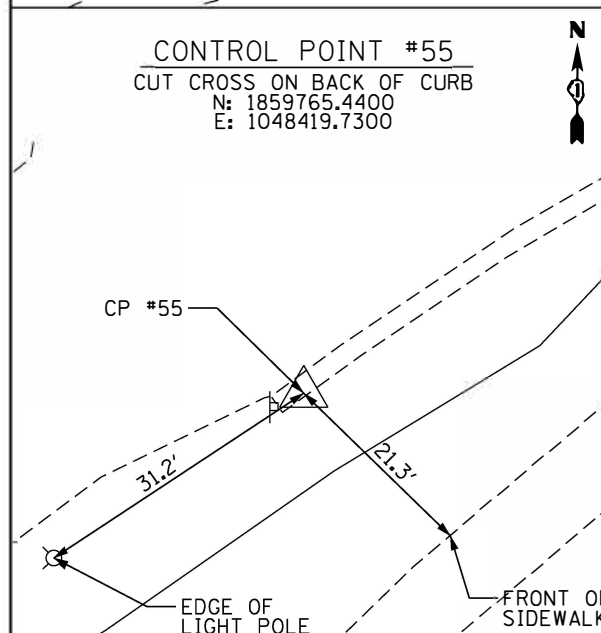
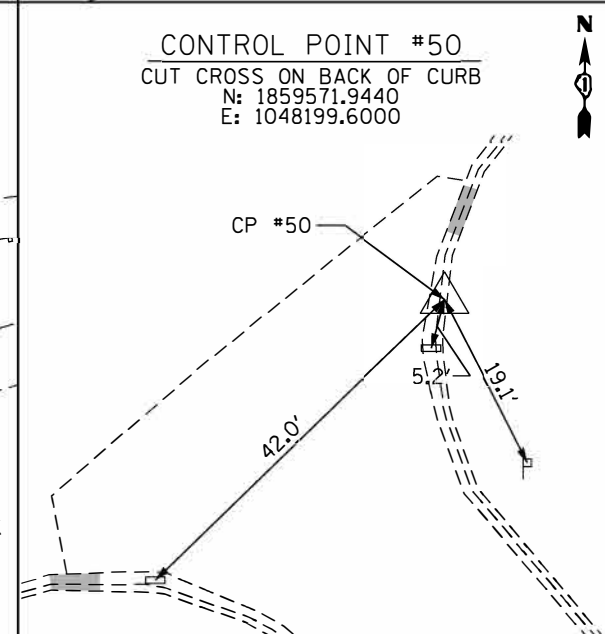
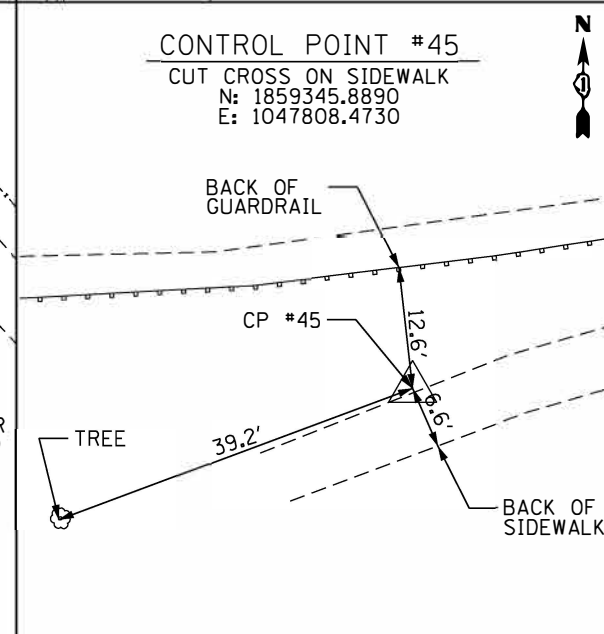
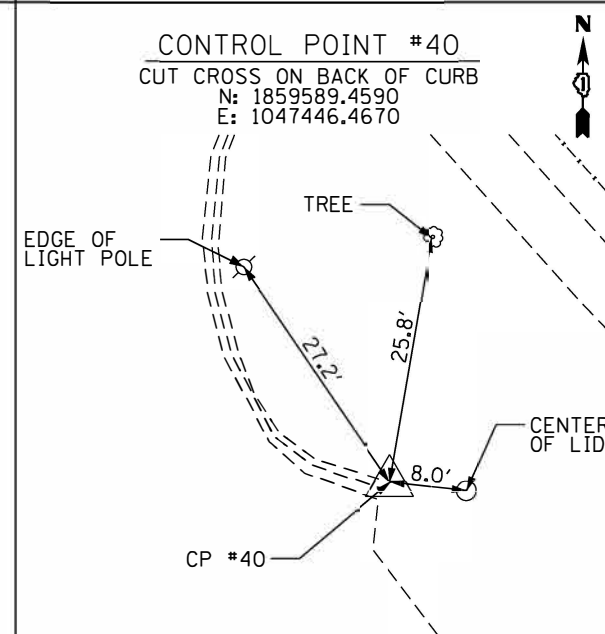
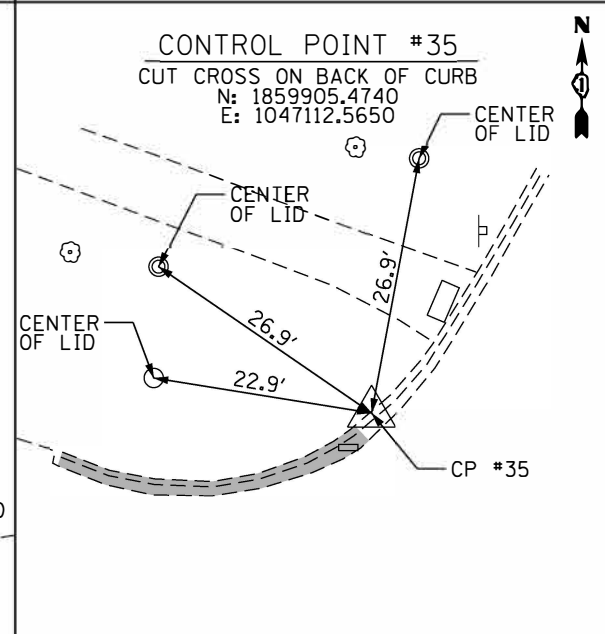
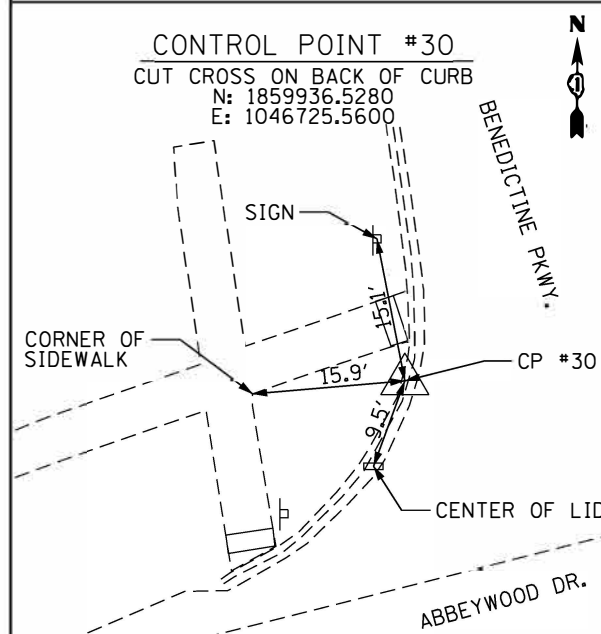
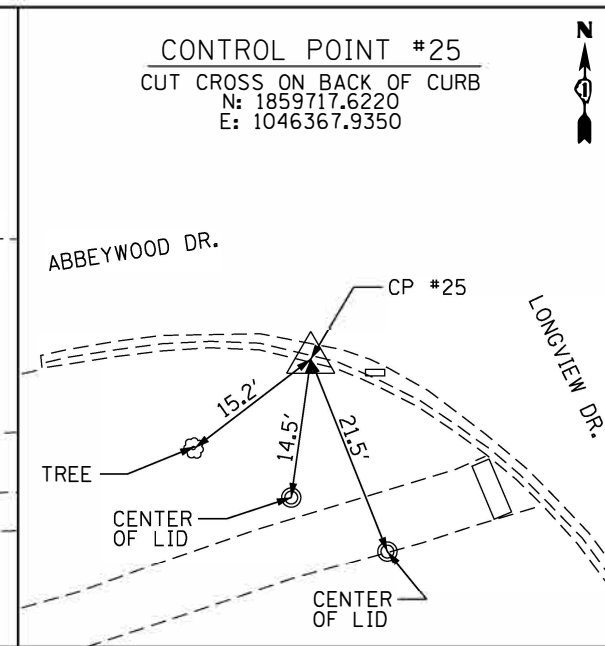
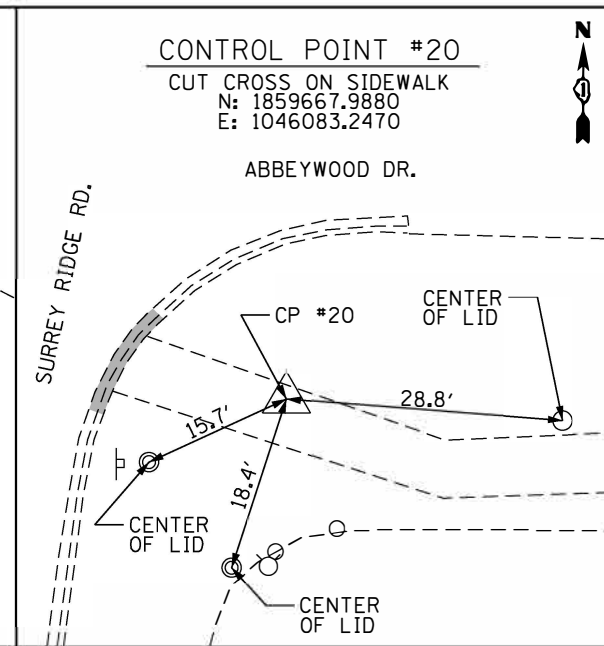
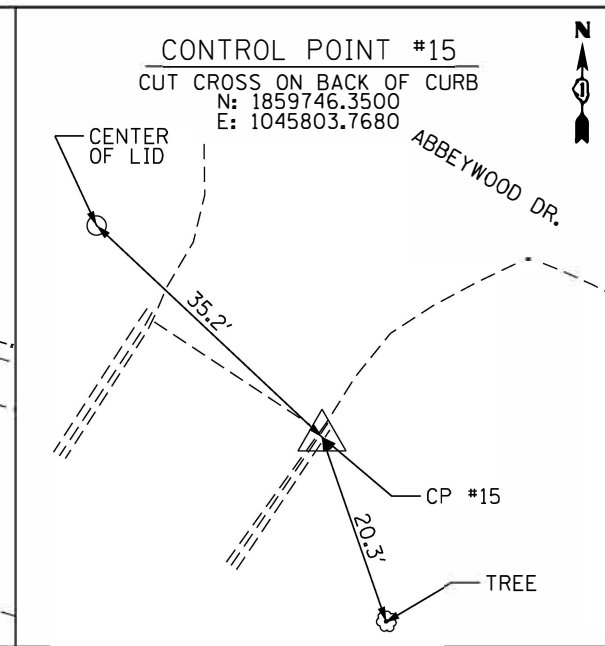
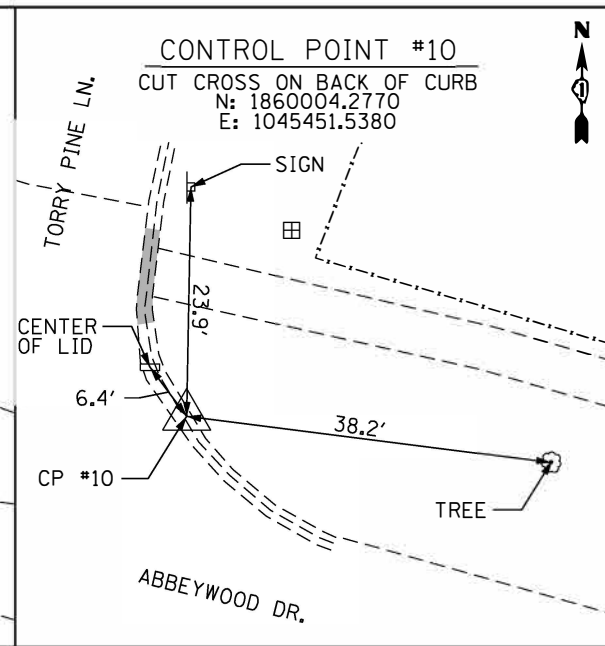
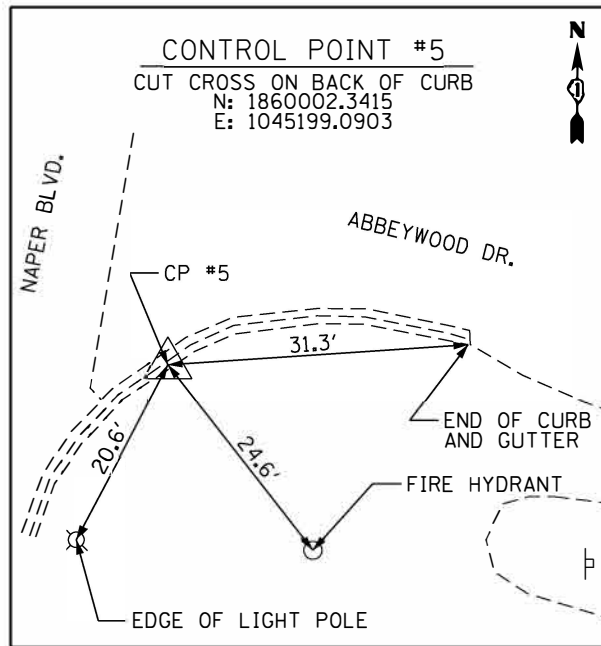
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DRAWN -	REVISOR -	
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PLOT DATE = 11/4/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, BENCHMARKS AND TIES  
 ABBEYWOOD DRIVE**

SCALE: SHEET OF SHEETS STA. TO STA.

FAP 45007 4038	SECTION 19-00065-00-RS	COUNTY	TOTAL SHEETS 62	SHEET NO. 12
CONTRACT NO. 61G66			ILLINOIS FED. AID PROJECT	



**thomas** thomas engineering group, llc  
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aurora, illinois 60504  
service at the highest grade phone: 855-533-1700

USER NAME = DonN	DESIGNED -	REVISED -
PLOT SCALE = 20.0000' / 1" =	DRAWN -	REVISED -
PLOT DATE = 11/4/2020	CHECKED -	REVISED -
	DATE -	REVISED -

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

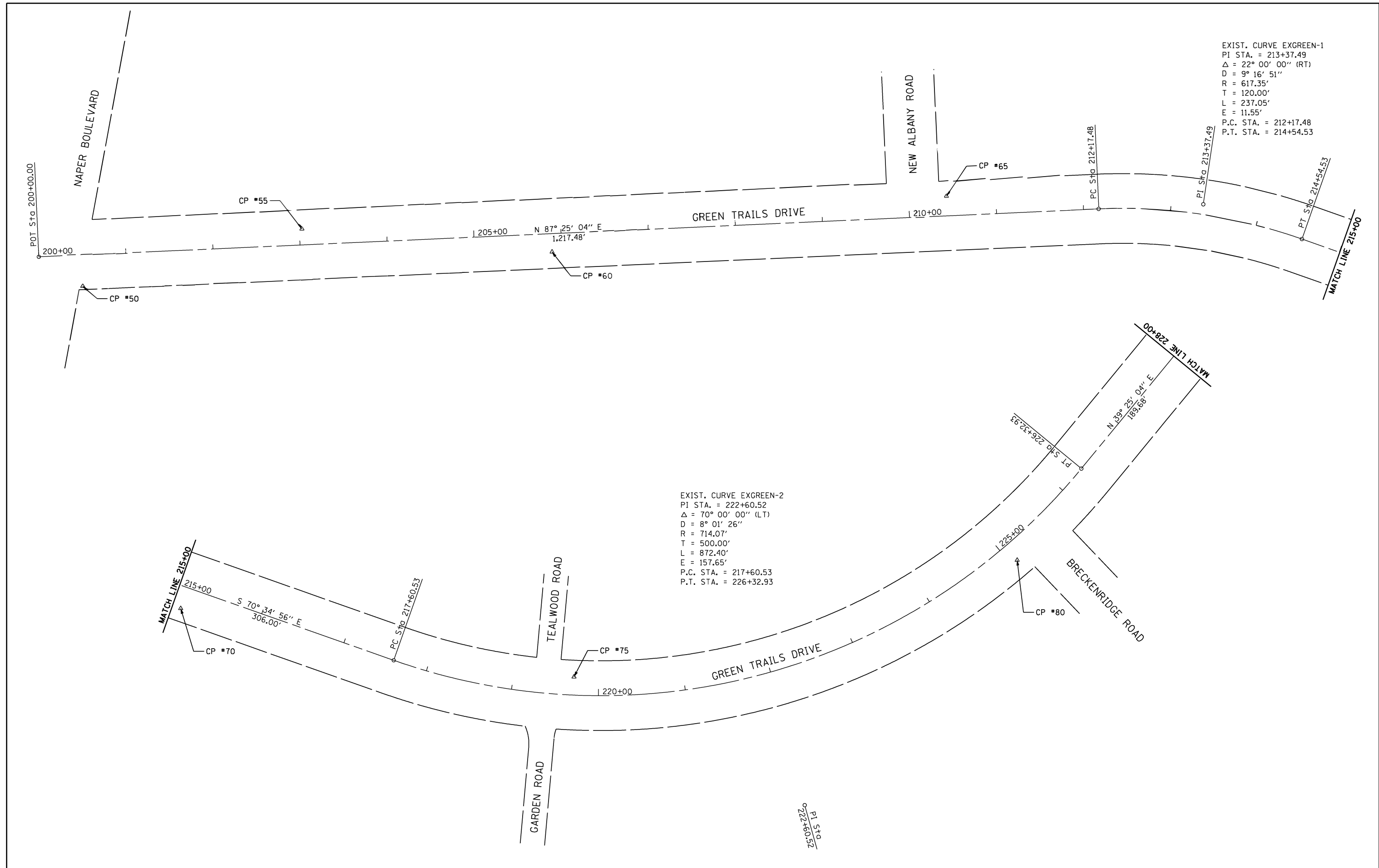
**ALIGNMENT, BENCHMARKS AND TIES**  
**ABBAYWOOD DRIVE**

SCALE: SHEET OF SHEETS STA. TO STA.

FAP 45007 4038	SECTION 19-00065-00-RS	COUNTY DuPAGE	TOTAL SHEETS 62	SHEET NO. 13
ILLINOIS FED. AID PROJECT				CONTRACT NO. 61G66

EXIST. CURVE EXGREEN-1  
 PI STA. = 213+37.49  
 $\Delta = 22^\circ 00' 00''$  (RT)  
 D =  $9^\circ 16' 51''$   
 R = 617.35'  
 T = 120.00'  
 L = 237.05'  
 E = 11.55'  
 P.C. STA. = 212+17.48  
 P.T. STA. = 214+54.53

EXIST. CURVE EXGREEN-2  
 PI STA. = 222+60.52  
 $\Delta = 70^\circ 00' 00''$  (LT)  
 D =  $8^\circ 01' 26''$   
 R = 714.07'  
 T = 500.00'  
 L = 872.40'  
 E = 157.65'  
 P.C. STA. = 217+60.53  
 P.T. STA. = 226+32.93



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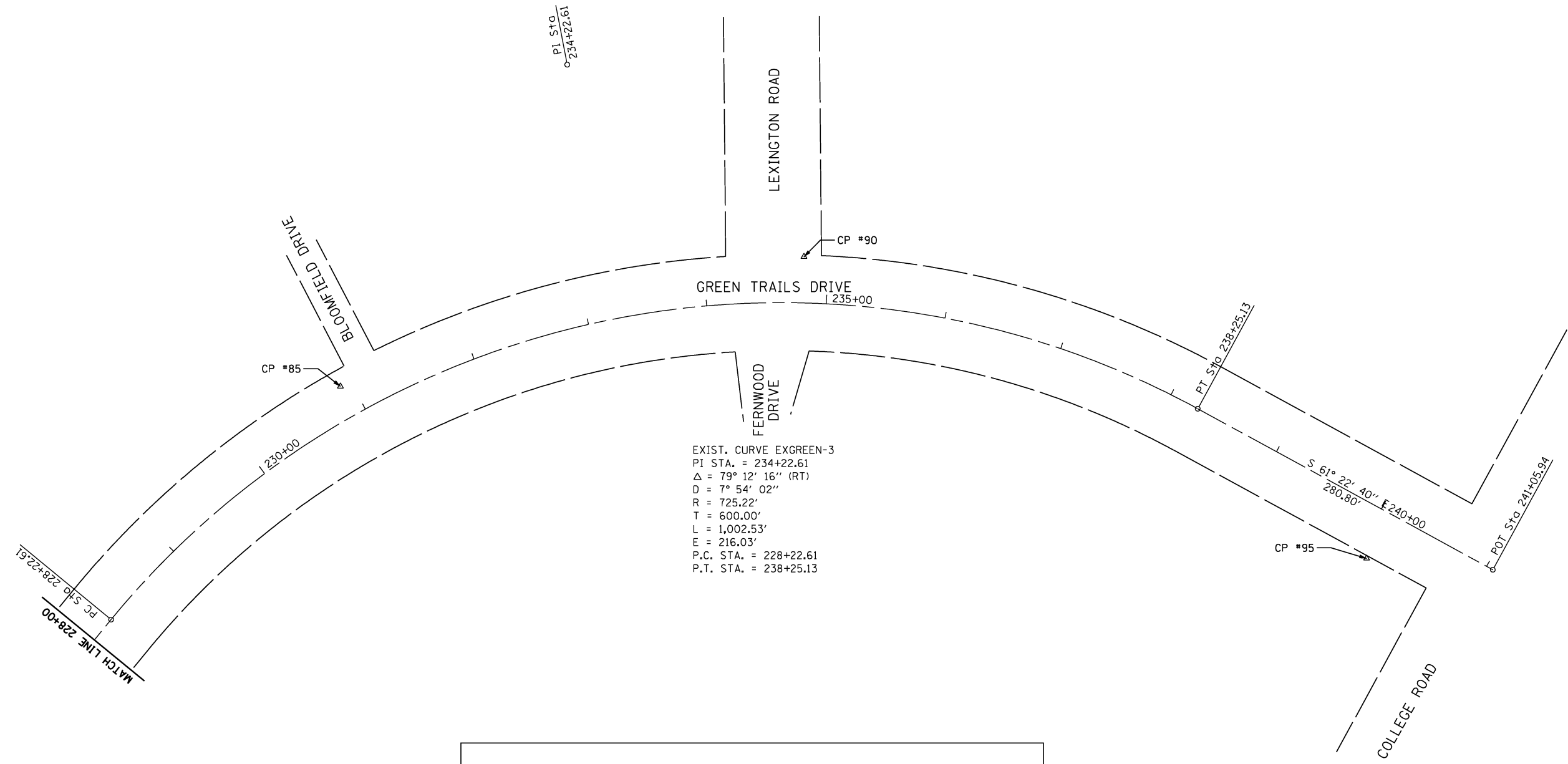
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DRAWN -	REVISOR -	
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PLOT DATE = 11/4/2020	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT, BENCHMARKS AND TIES  
 GREEN TRAILS DRIVE

SCALE: SHEET OF SHEETS STA. TO STA.

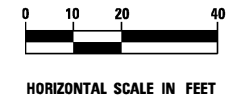
FAP 45007 4038	SECTION 19-00065-00-RS	COUNTY	TOTAL SHEETS 62	SHEET NO. 14
CONTRACT NO. 61G66			ILLINOIS FED. AID PROJECT	



EXIST. CURVE EXGREEN-3  
 PI STA. = 234+22.61  
 Δ = 79° 12' 16'' (RT)  
 D = 7° 54' 02''  
 R = 725.22'  
 T = 600.00'  
 L = 1,002.53'  
 E = 216.03'  
 P.C. STA. = 228+22.61  
 P.T. STA. = 238+25.13

BENCHMARKS

- BM A: NW FLANGE BOLT ON FIRE HYDRANT AT NW CORNER OF COLLEGE RD AND GREEN TRAILS RD. ELEV= 761.28
- BM B: NW FLANGE BOLT ON FIRE HYDRANT AT NW CORNER OF FERNWOOD DR AND GREEN TRAILS RD. ELEV= 751.19
- BM C: SE FLANGE BOLT ON FIRE HYDRANT AT SW CORNER OF BRECKENRIDGE RD AND GREEN TRAIL RD. ELEV= 738.09
- BM D: SE FLANGE BOLT ON FIRE HYDRANT AT NE CORNER OF NEW ALBANY RD AND GREEN TRAILS RD. ELEV= 734.96
- BM E: SE FLANGE BOLT ON FIRE HYDRANT ON SOUTH SIDE OF GREEN TRAILS RD, WEST OF ENTRANCE TO PARKING LOT FOR CHURCH. ELEV=735.19



HORIZONTAL SCALE IN FEET

**thomas**  
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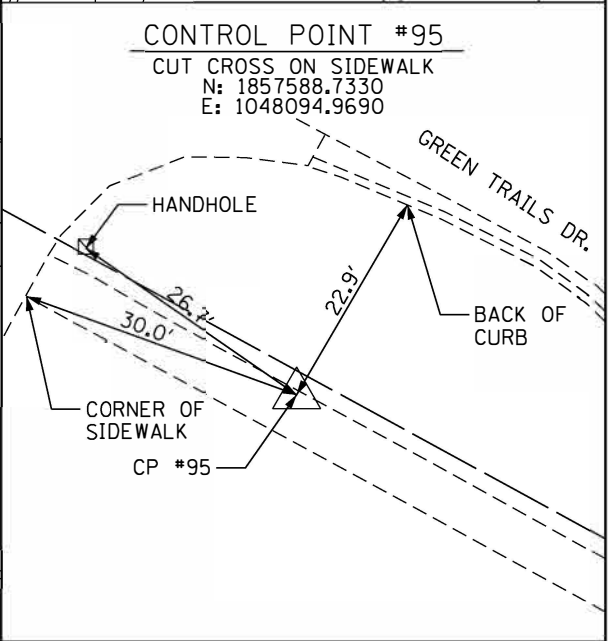
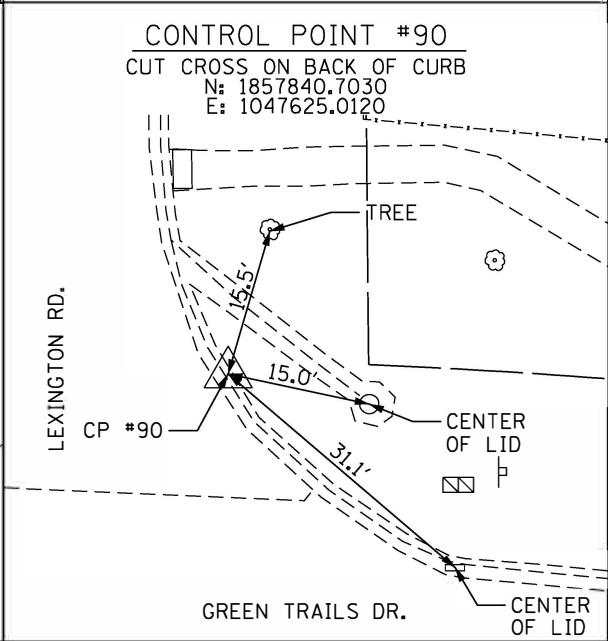
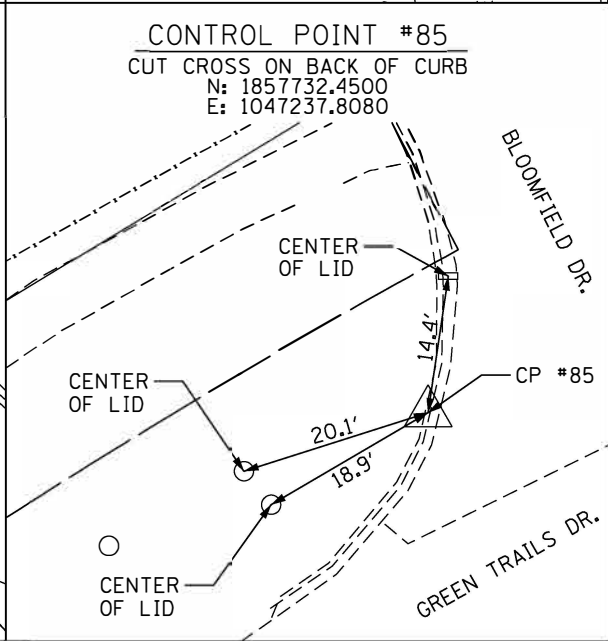
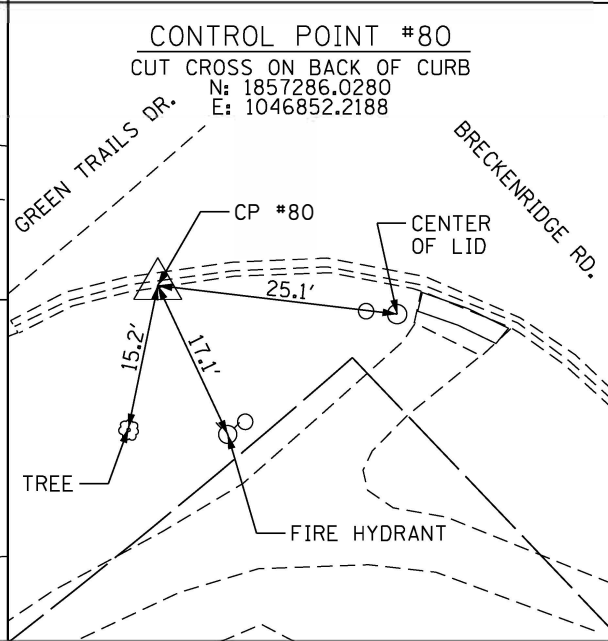
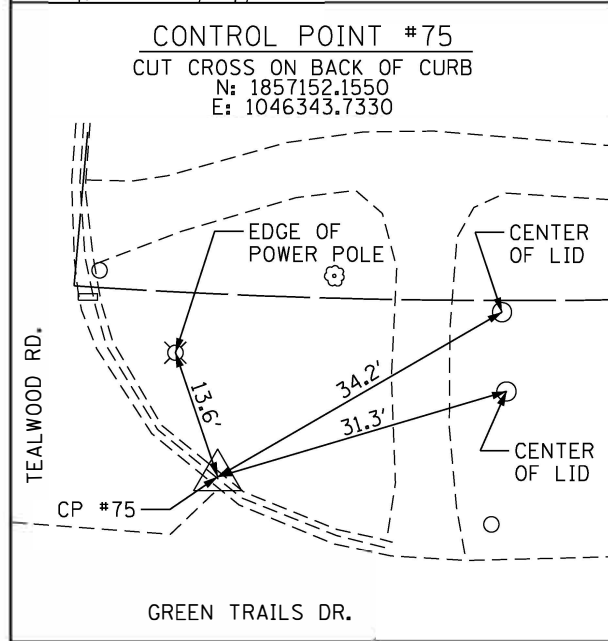
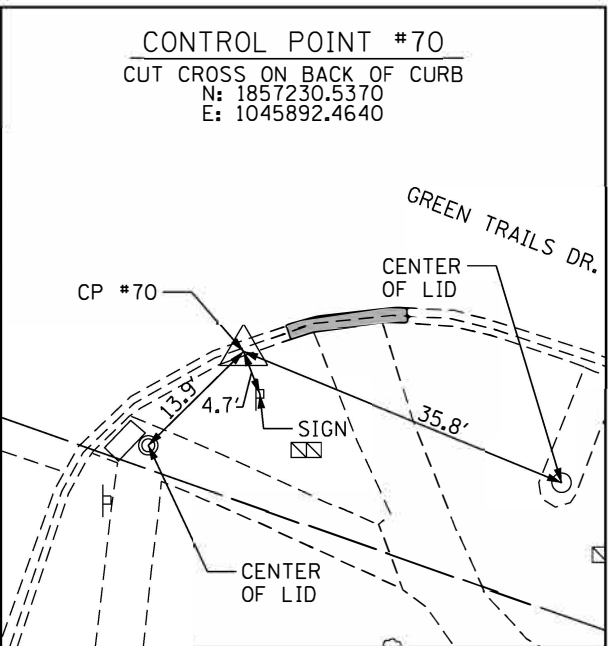
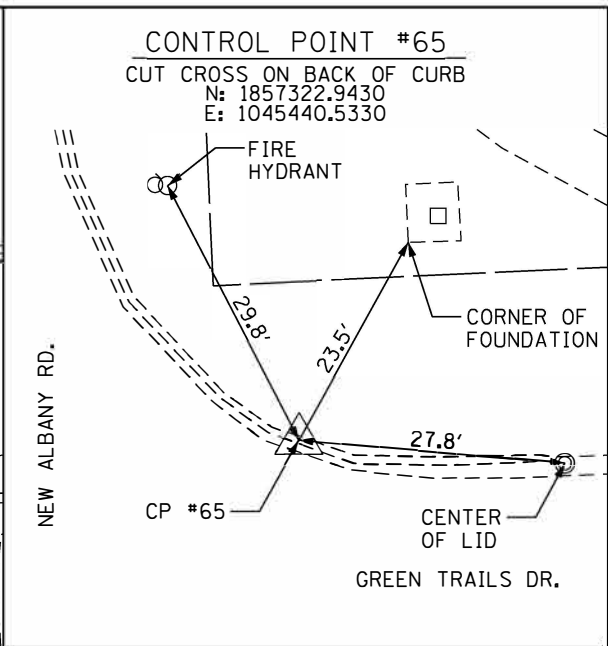
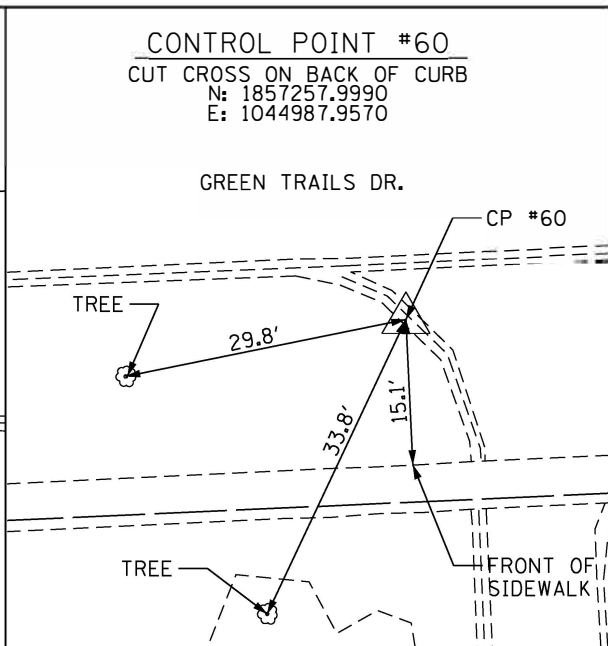
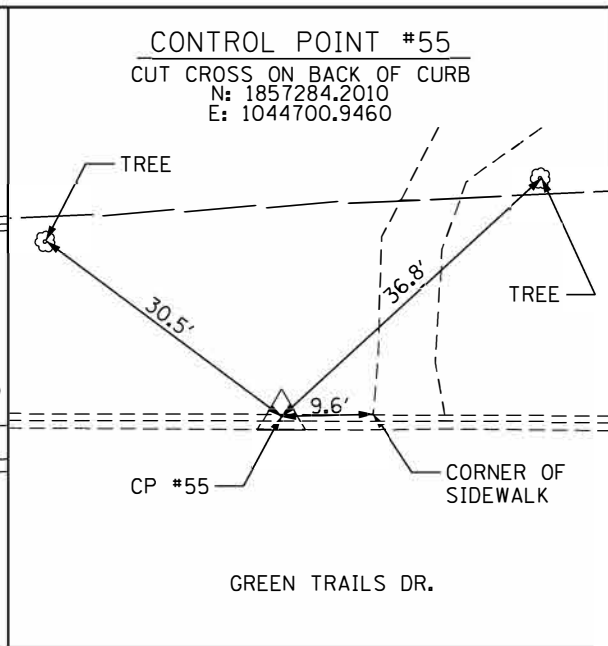
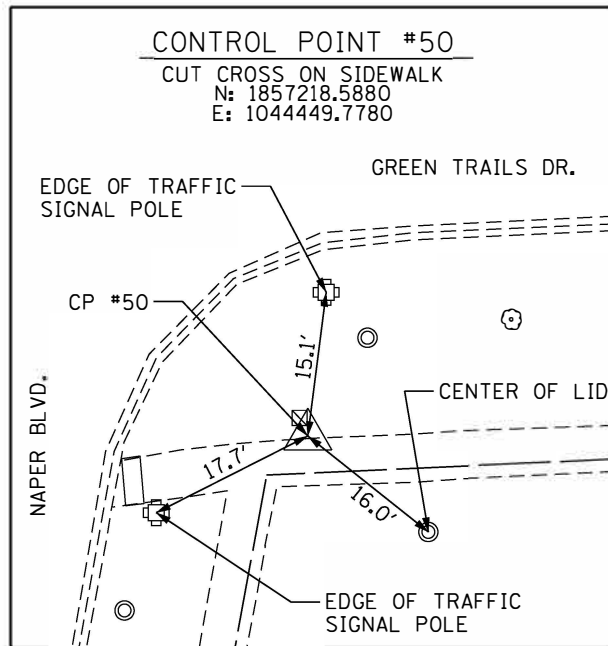
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PLOT DATE = 11/4/2020	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

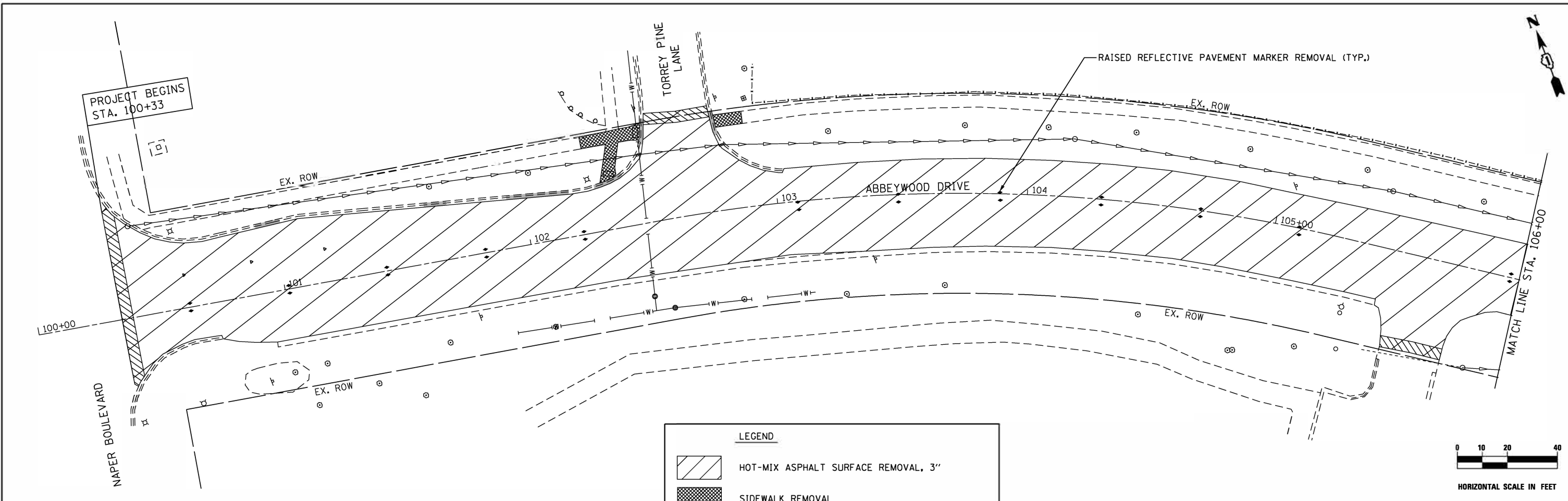
ALIGNMENT, BENCHMARKS AND TIES  
 GREEN TRAILS DRIVE

SCALE: SHEET OF SHEETS STA. TO STA.

FAP 45007 4038	SECTION 19-00065-00-RS	COUNTY	TOTAL SHEETS 62	SHEET NO. 15
CONTRACT NO. 61G66			ILLINOIS FED. AID PROJECT	

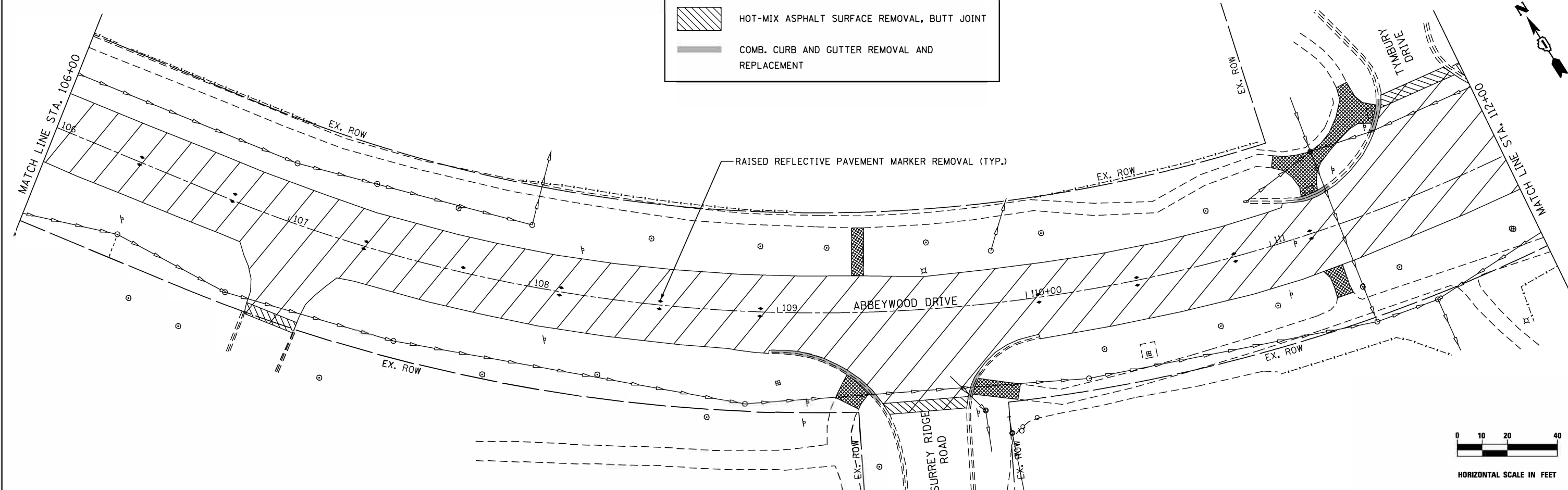






**LEGEND**

- HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- SIDEWALK REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
- COMB. CURB AND GUTTER REMOVAL AND REPLACEMENT



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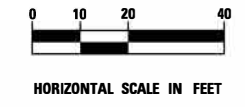
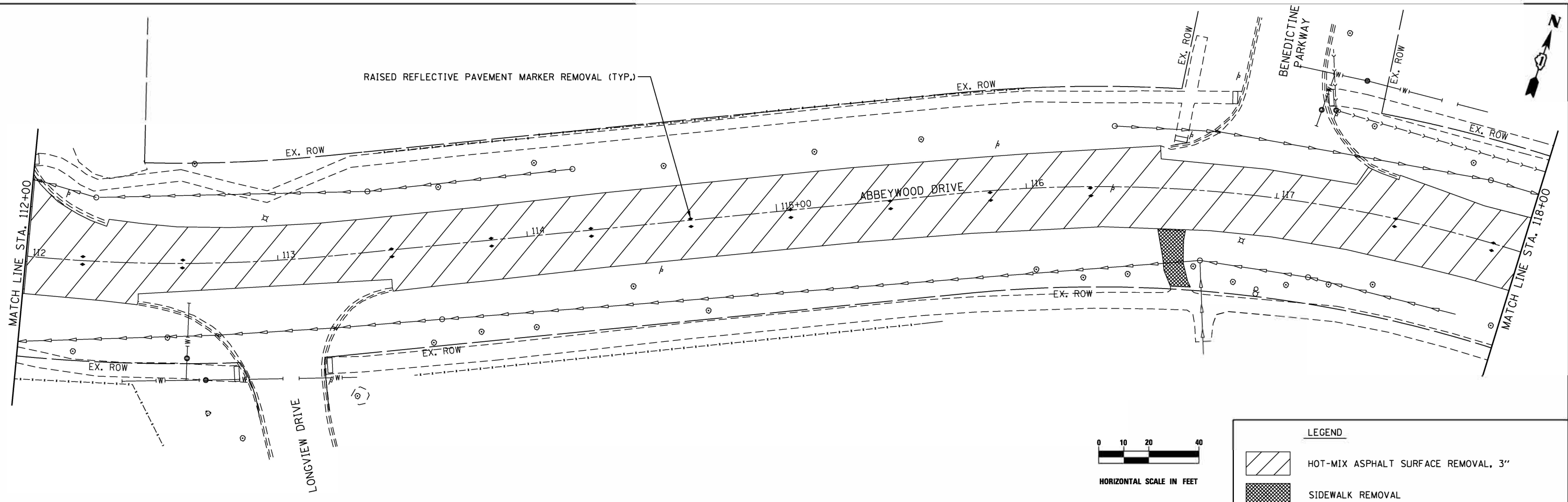
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CHECKED -	REVISOR -	REVISOR -
DATE -	REVISOR -	REVISOR -
PLOT SCALE = 40.0000' / 1" =		
PLOT DATE = 11/4/2020		

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING AND REMOVAL PLANS  
 ABBEYWOOD DRIVE**

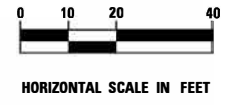
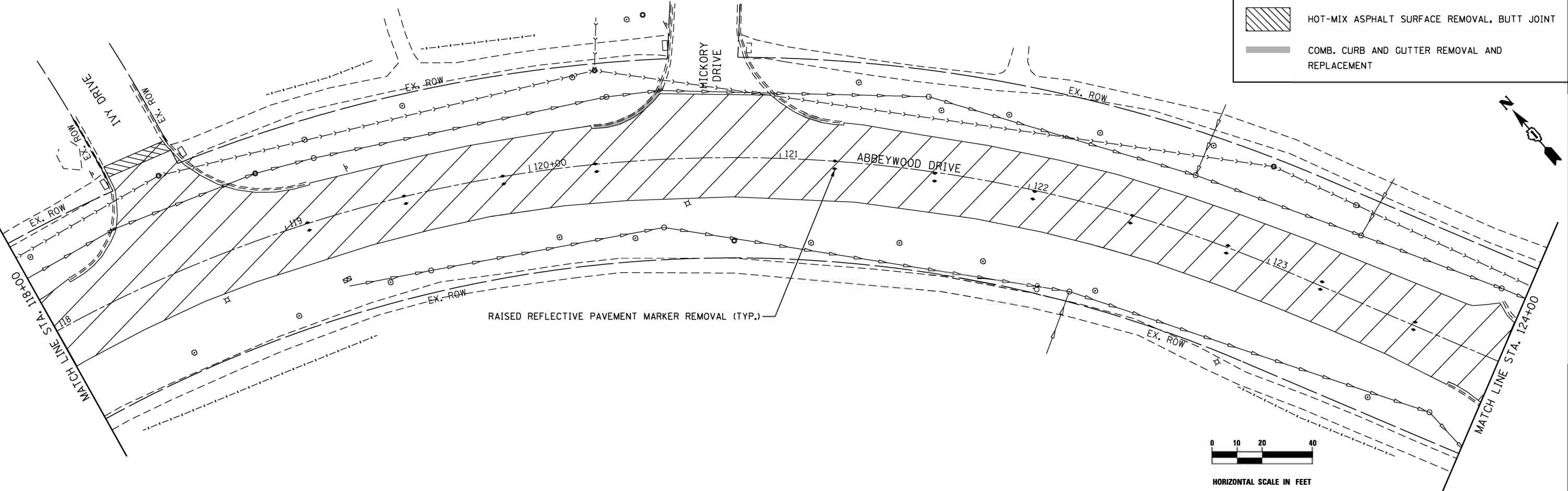
SCALE: SHEET OF SHEETS STA. TO STA.

FAP 4500/ 4038	SECTION 19-00065-00-RS	COUNTY DuPAGE	TOTAL SHEETS 62	SHEET NO. 17
CONTRACT NO. 61G66				
ILLINOIS FED. AID PROJECT				



**LEGEND**

	HOT-MIX ASPHALT SURFACE REMOVAL, 3"
	SIDWALK REMOVAL
	HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
	COMB. CURB AND GUTTER REMOVAL AND REPLACEMENT



**thomas** thomas engineering group, llc  
762 shoreline drive  
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aurora, illinois 60504  
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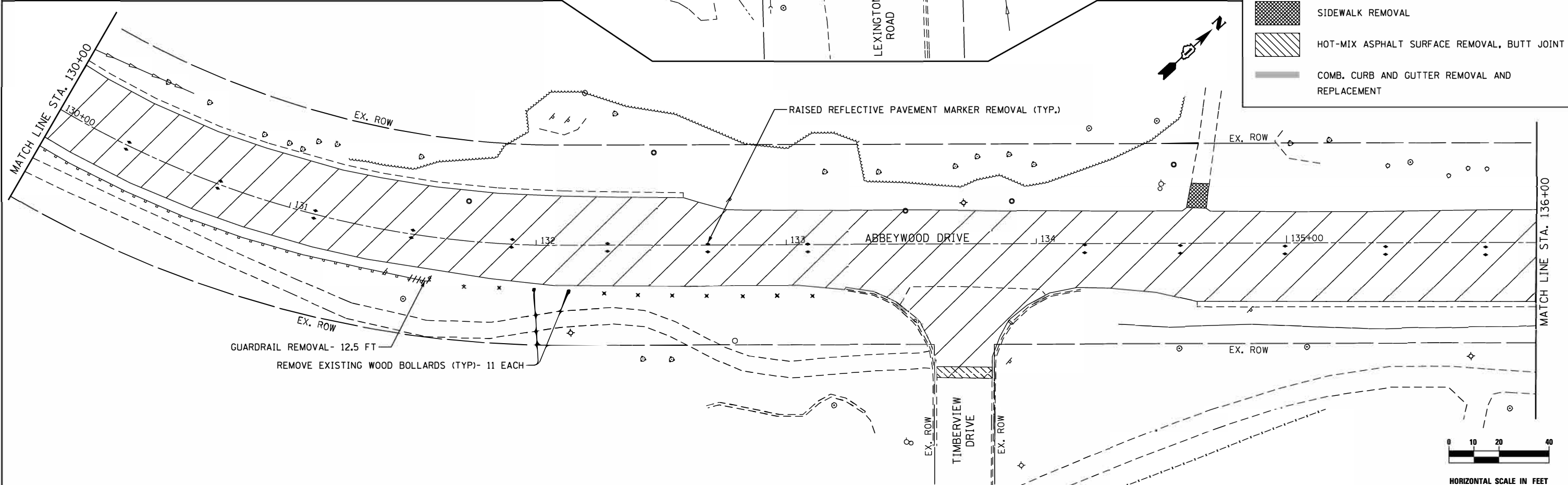
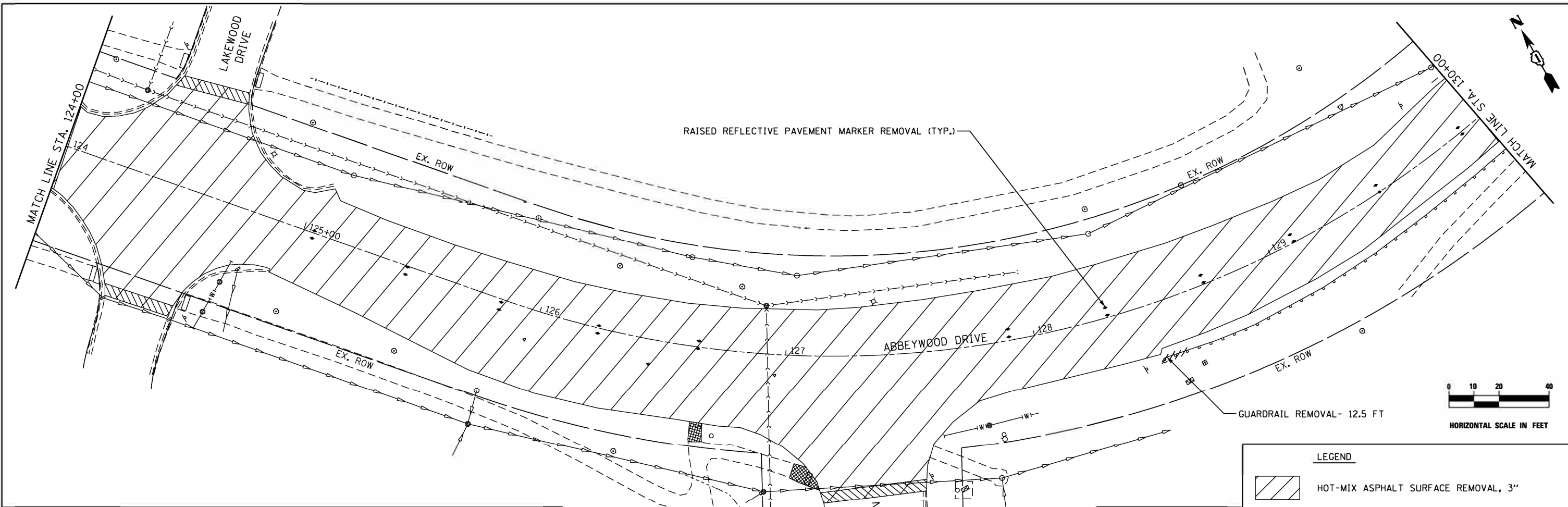
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DATE -	REVISOR -	
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PLOT DATE = 11/4/2020		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND REMOVAL PLANS  
ABBNEYWOOD DRIVE**

SCALE: SHEET OF SHEETS STA. TO STA.

FAP 45007 4038	SECTION 19-00065-00-RS	COUNTY DuPAGE	TOTAL SHEETS 62	SHEET NO. 18
CONTRACT NO. 61G66			ILLINOIS FED. AID PROJECT	



**LEGEND**

- HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- SIDEWALK REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
- COMB. CURB AND GUTTER REMOVAL AND REPLACEMENT

**thomas** thomas engineering group, llc  
 762 shoreline drive  
 suite 200  
 aurora, illinois 60504  
 phone: 855-533-1700

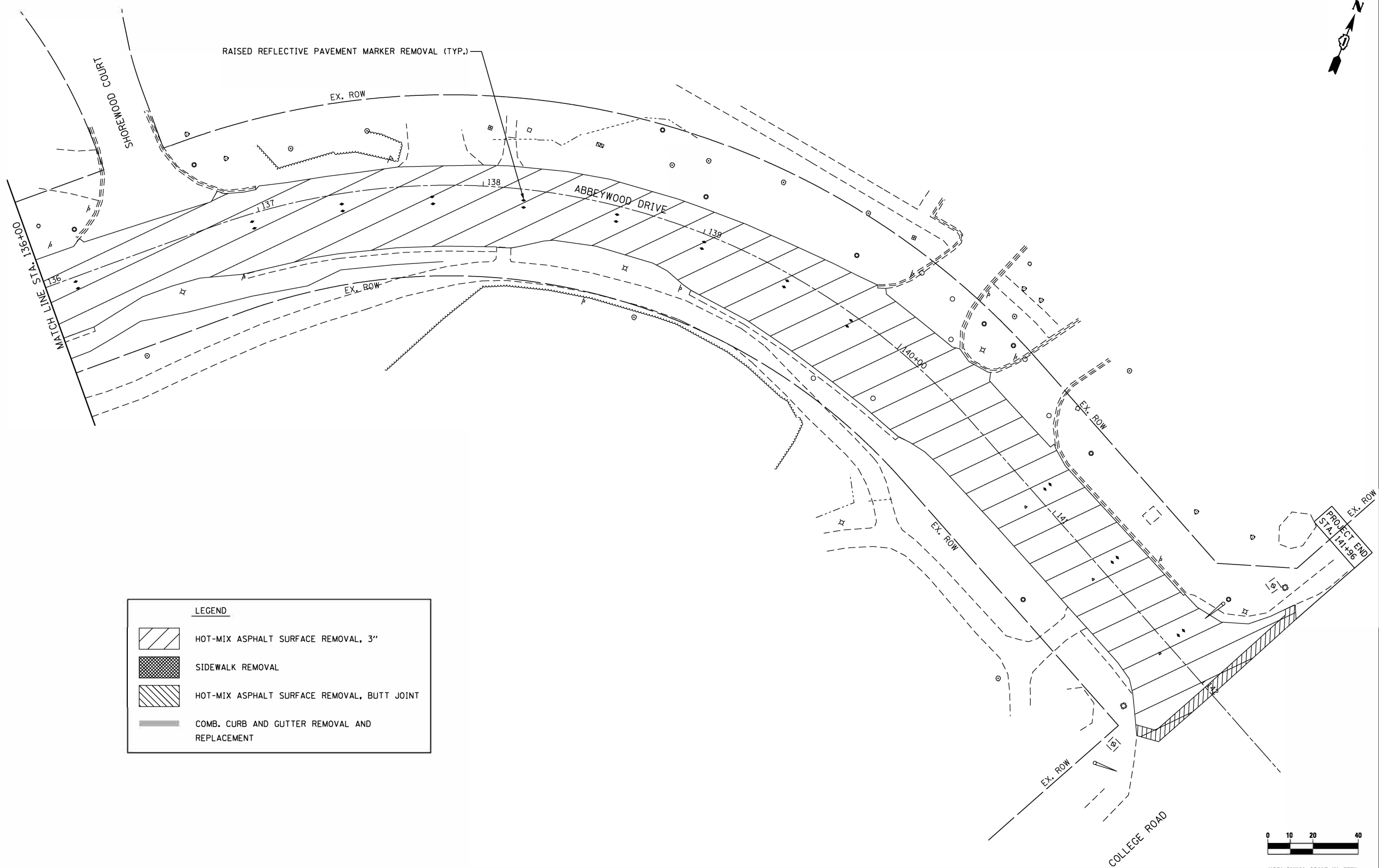
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



**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING AND REMOVAL PLANS  
 ABBEYWOOD DRIVE**

SCALE: SHEET OF SHEETS STA. TO STA.

FAP 45007 4038	SECTION 19-00065-00-RS	COUNTY DuPAGE	TOTAL SHEETS 62	SHEET NO. 19
CONTRACT NO. 61G66				
ILLINOIS FED. AID PROJECT				



LEGEND	
	HOT-MIX ASPHALT SURFACE REMOVAL, 3"
	SIDEWALK REMOVAL
	HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
	COMB. CURB AND GUTTER REMOVAL AND REPLACEMENT

**thomas** thomas engineering group, llc  
 762 shoreline drive  
 suite 200  
 aurora, illinois 60504  
 phone: 855-533-1700  
 service at the highest grade

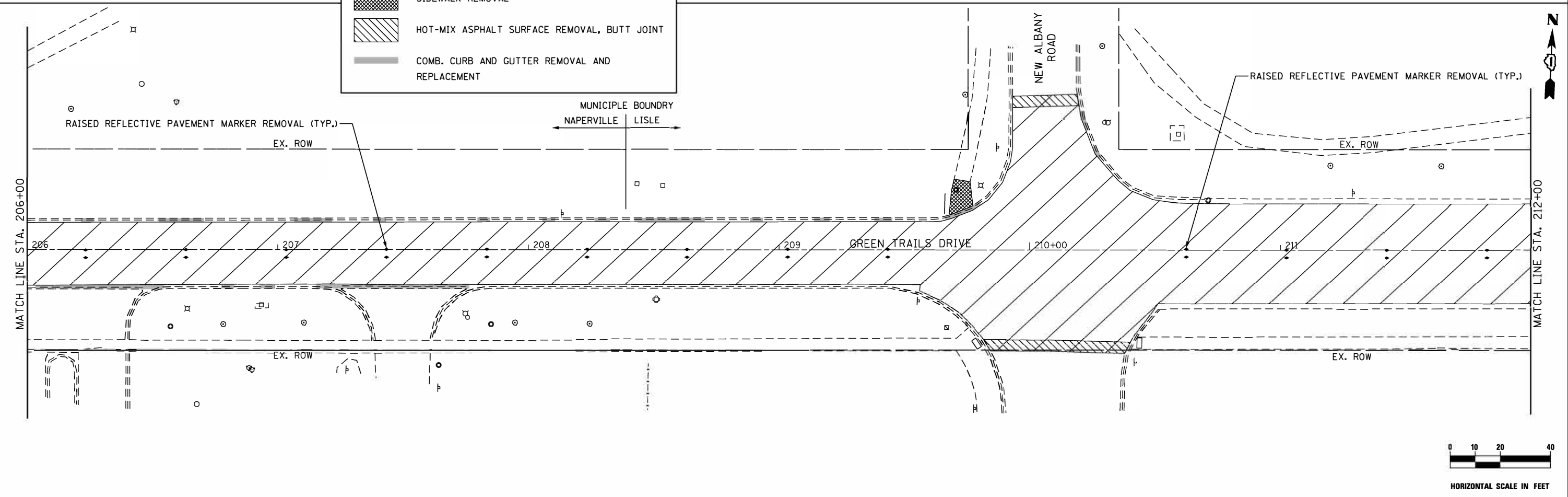
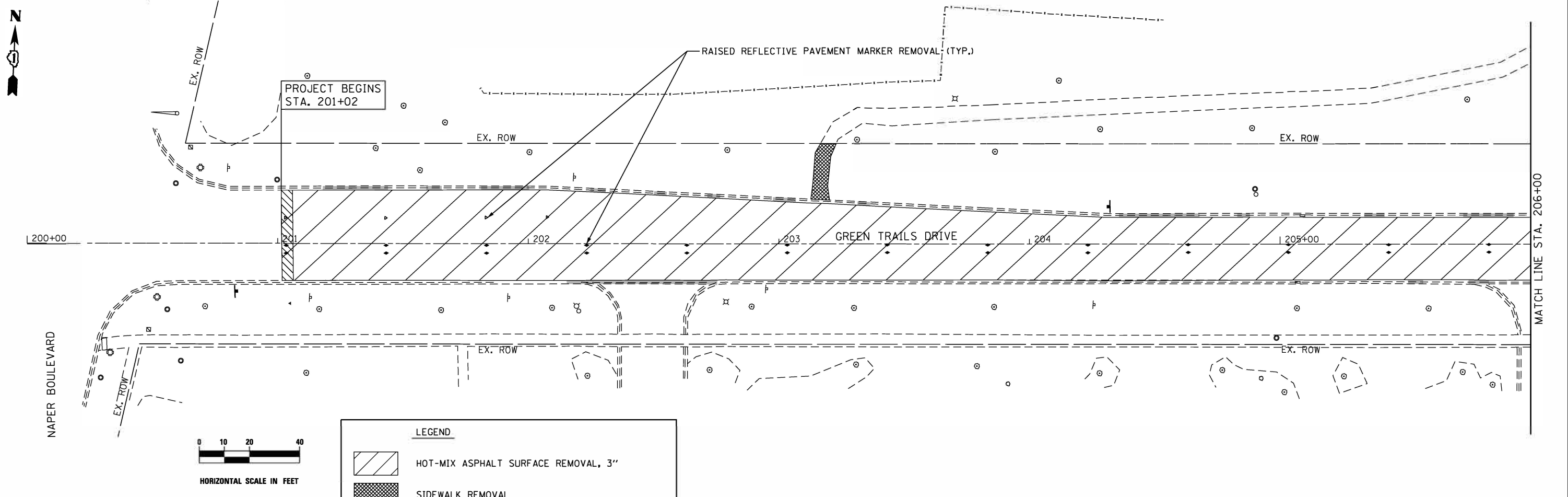
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PLOT DATE = 11/4/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING AND REMOVAL PLANS  
 ABBEYWOOD DRIVE**

SCALE: SHEET OF SHEETS STA. TO STA.

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CONTRACT NO. 61G66				
ILLINOIS FED. AID PROJECT				



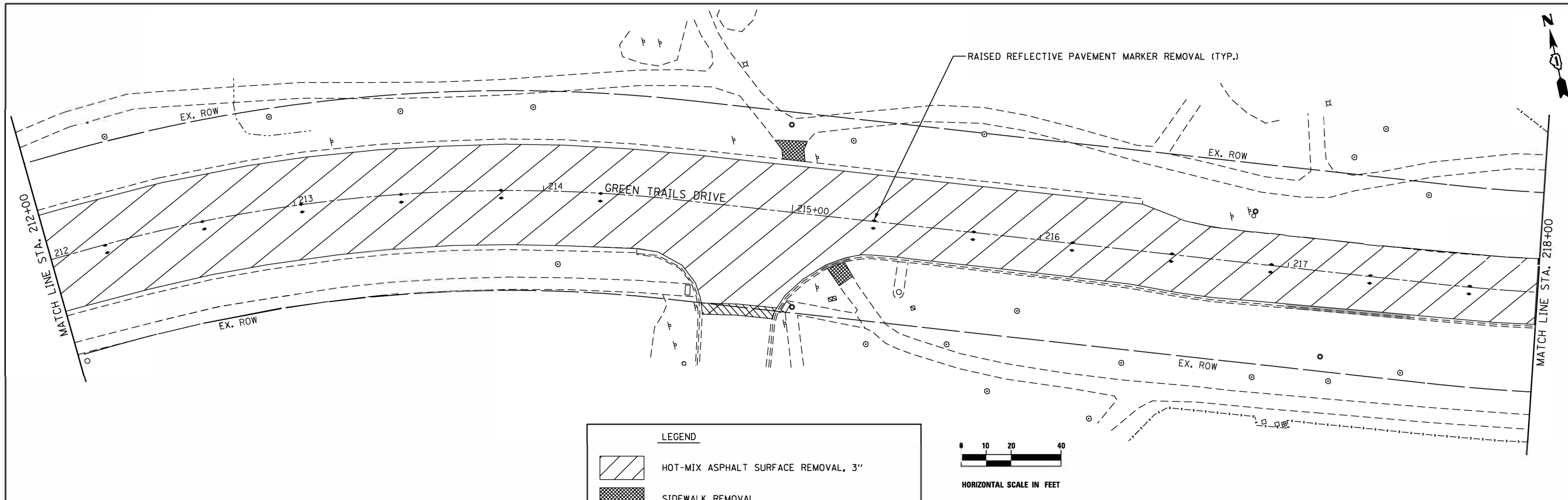
**thomas** thomas engineering group, llc  
762 shoreline drive  
suite 200  
aurora, illinois 60504  
phone: 855-533-1700

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DRAWN -	REVISOR -	REVISOR -
CHECKED -	REVISOR -	REVISOR -
DATE -	REVISOR -	REVISOR -
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PLOT DATE = 11/4/2020		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

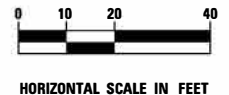
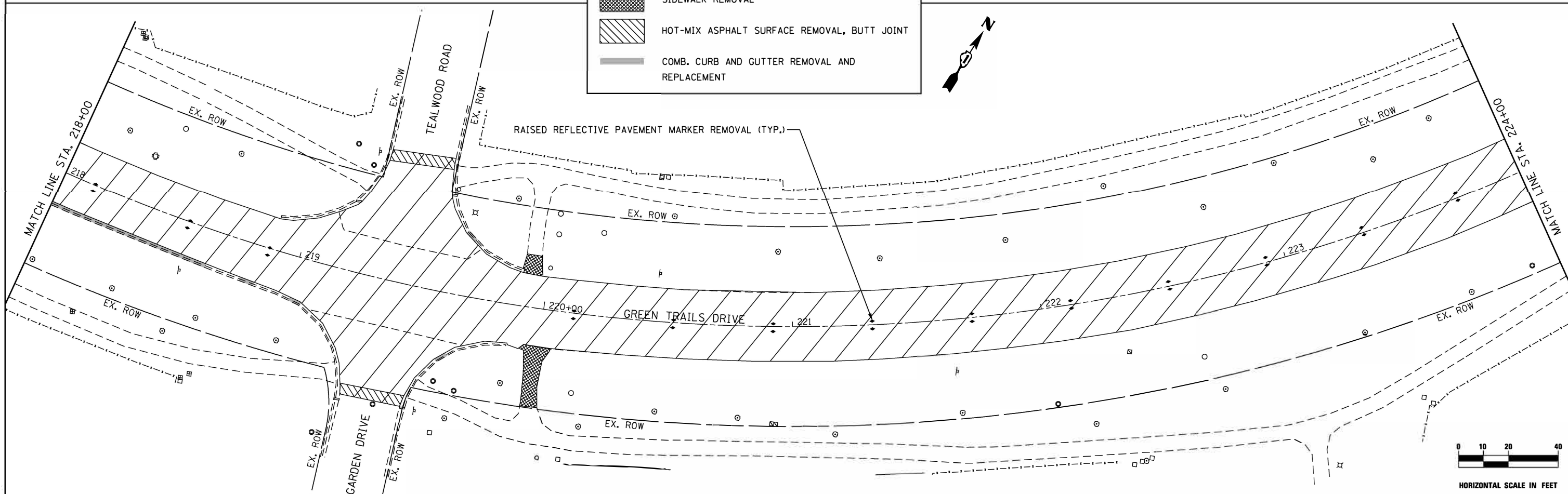
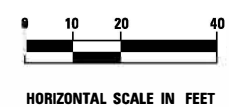
EXISTING AND REMOVAL PLANS GREEN TRAILS DRIVE			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

FAP 45007 4038	SECTION 19-00065-00-RS	COUNTY DuPAGE	TOTAL SHEETS 62	SHEET NO. 21
CONTRACT NO. 61G66				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- SIDEWALK REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
- COMB. CURB AND GUTTER REMOVAL AND REPLACEMENT



**thomas** thomas engineering group, llc  
 762 shoreline drive  
 suite 200  
 aurora, illinois 60504  
 phone: 855-533-1700

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 DRAWN -  
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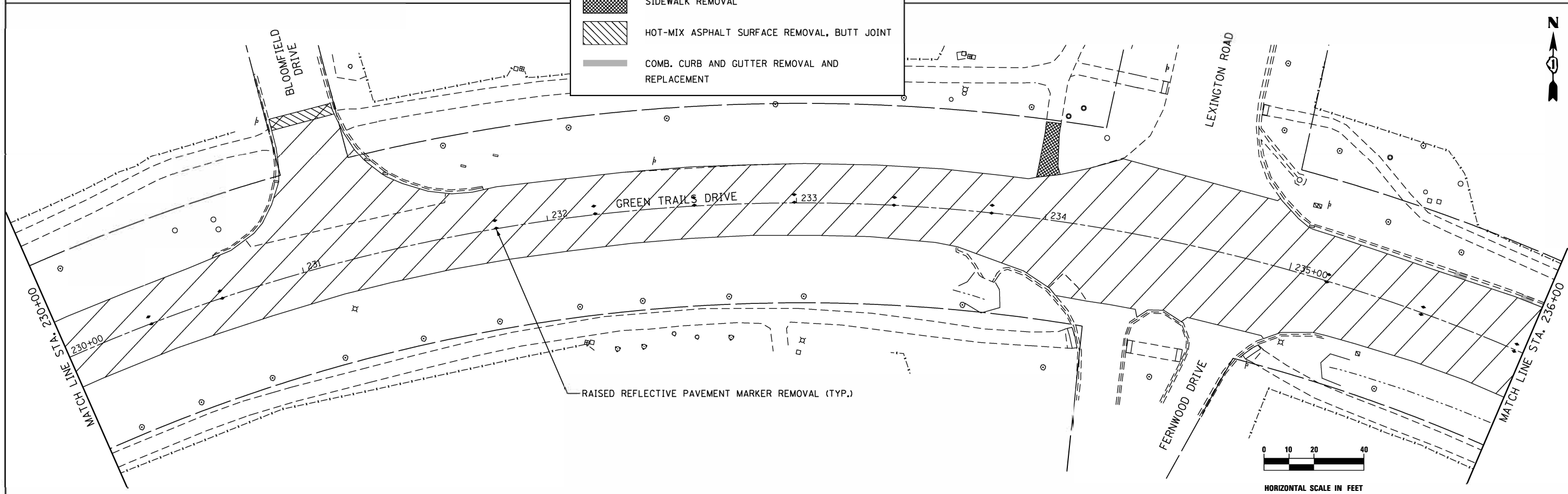
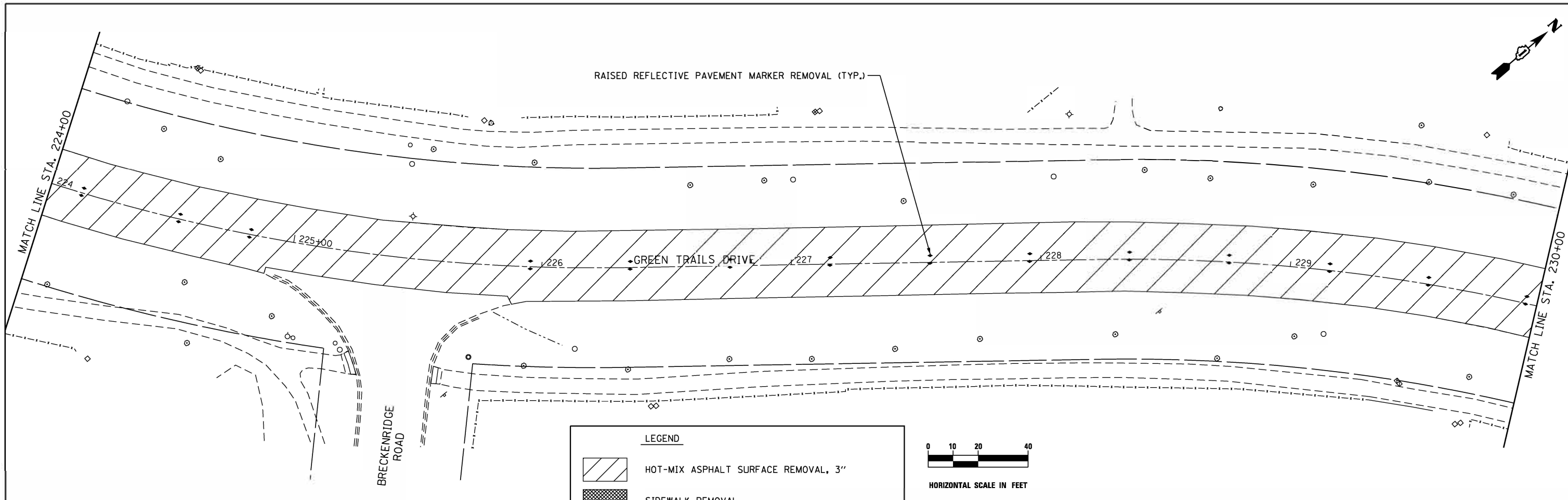
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 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING AND REMOVAL PLANS  
 GREEN TRAILS DRIVE**

SCALE: SHEET OF SHEETS STA. TO STA.

FAP 4500/ 4038	SECTION 19-00065-00-RS	COUNTY	TOTAL SHEETS 62	SHEET NO. 22
CONTRACT NO. 61G56			ILLINOIS FED. AID PROJECT	



**thomas** engineering group, llc  
 762 shoreline drive  
 suite 200  
 aurora, illinois 60504  
 phone: 855-533-1700  
 service at the highest grade

USER NAME = DonN  
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 CHECKED -  
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 DATE -

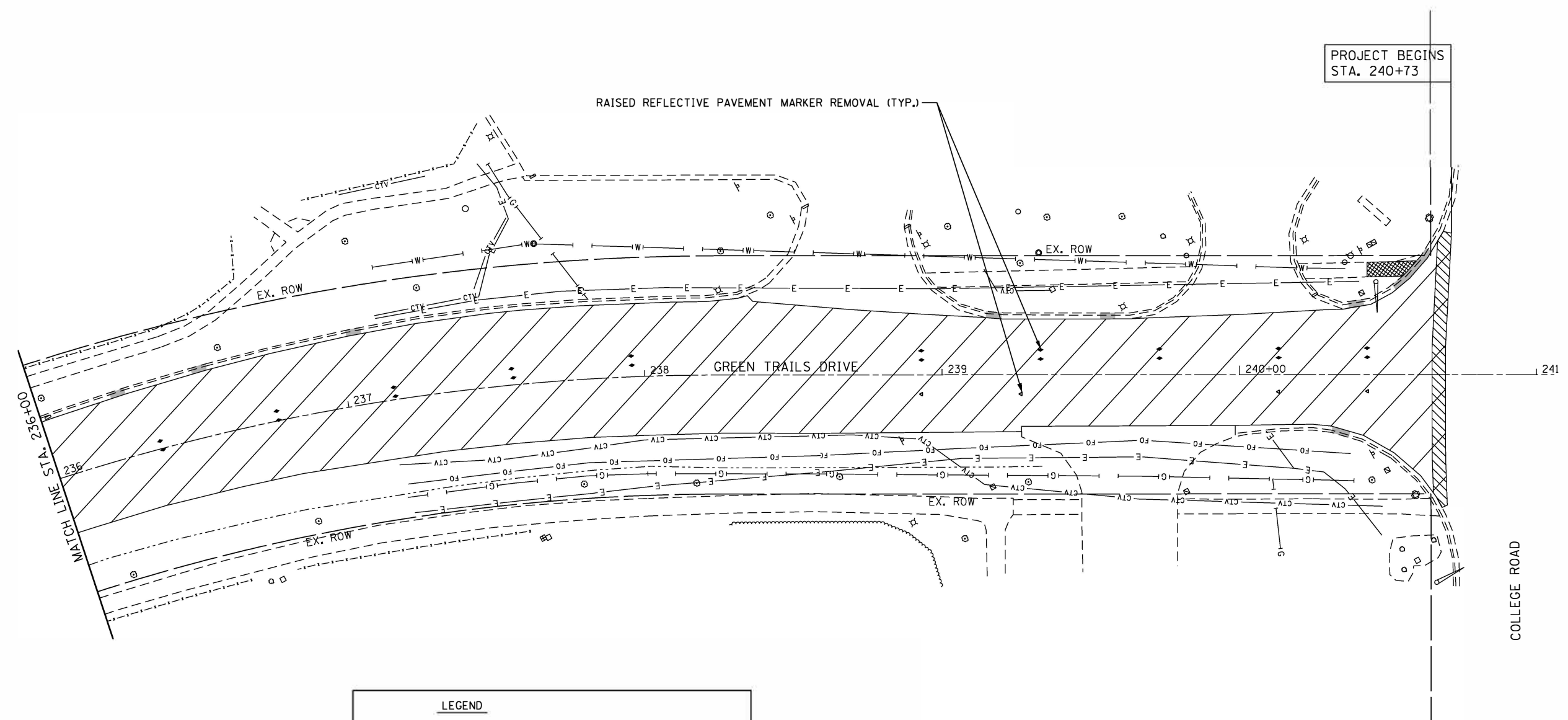
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



**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

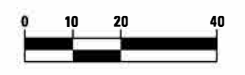
**EXISTING AND REMOVAL PLANS  
 GREEN TRAILS DRIVE**

SCALE: SHEET OF SHEETS STA. TO STA.

FAP 45007 4038	SECTION 19-00065-00-RS	COUNTY DuPAGE	TOTAL SHEETS 62	SHEET NO. 23
CONTRACT NO. 61G66				
ILLINOIS FED. AID PROJECT				



LEGEND	
	HOT-MIX ASPHALT SURFACE REMOVAL, 3"
	SIDEWALK REMOVAL
	HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT
	COMB. CURB AND GUTTER REMOVAL AND REPLACEMENT



HORIZONTAL SCALE IN FEET

**thomas**  
 thomas engineering group, llc  
 762 shoreline drive  
 suite 200  
 aurora, illinois 60504  
 phone: 855-533-1700  
 service at the highest grade

USER NAME = DonN  
 DESIGNED -  
 DRAWN -  
 PLOT SCALE = 40.0000' / in.  
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 PLOT DATE = 11/4/2020  
 DATE -

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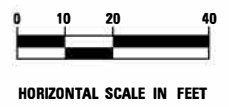
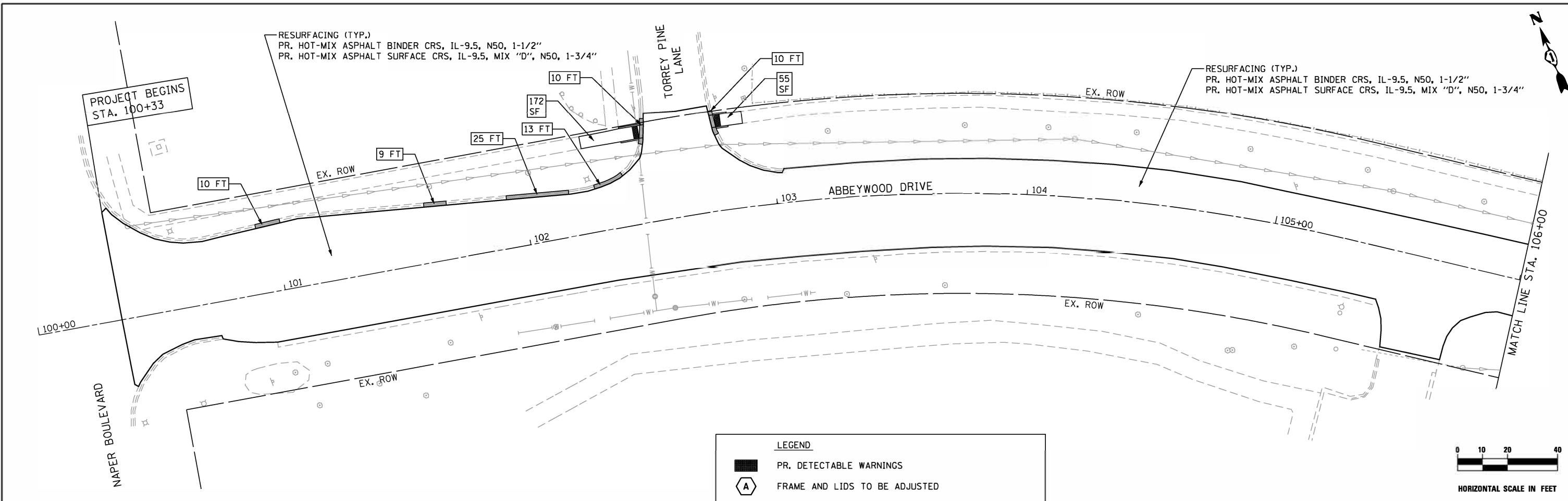
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING AND REMOVAL PLANS  
 GREEN TRAILS DRIVE**

SCALE: SHEET OF SHEETS STA. TO STA.

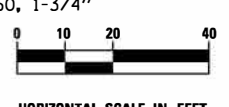
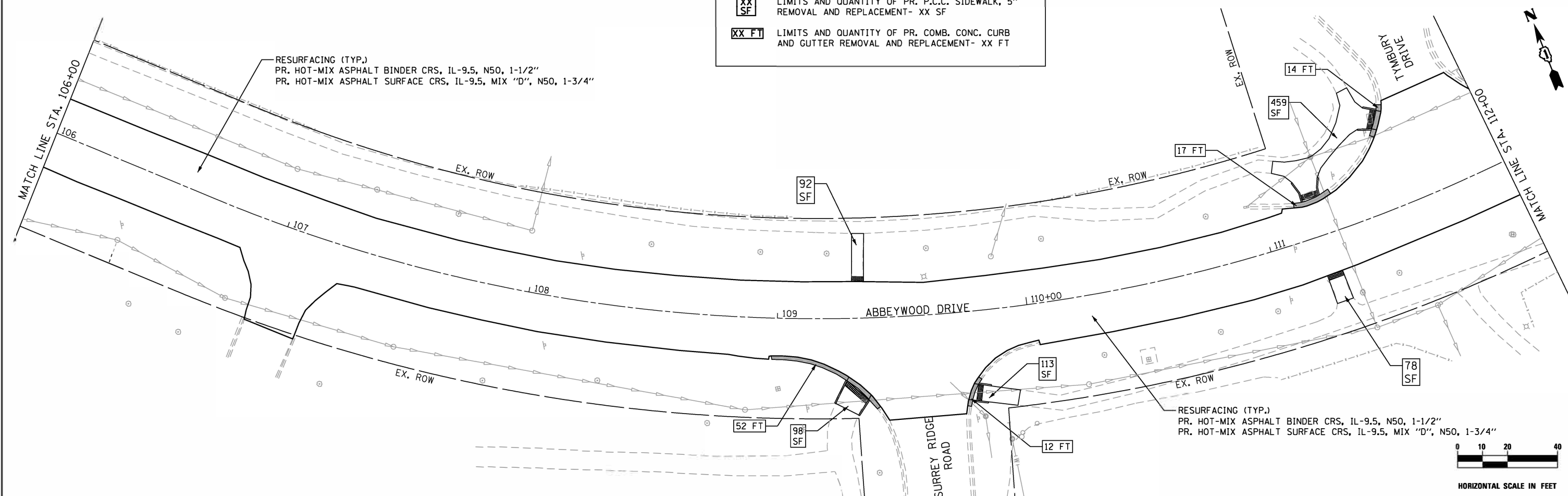
FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45007 4038	19-00065-00-RS	DuPAGE	62	24
CONTRACT NO. 61G66				
ILLINOIS FED. AID PROJECT				





**LEGEND**

- PR. DETECTABLE WARNINGS
- A FRAME AND LIDS TO BE ADJUSTED
- XX  
SF LIMITS AND QUANTITY OF PR. P.C.C. SIDEWALK, 5" REMOVAL AND REPLACEMENT- XX SF
- XX FT LIMITS AND QUANTITY OF PR. COMB. CONC. CURB AND GUTTER REMOVAL AND REPLACEMENT- XX FT



**thomas** thomas engineering group, llc  
762 shoreline drive  
suite 200  
aurora, illinois 60504  
phone: 855-533-1700

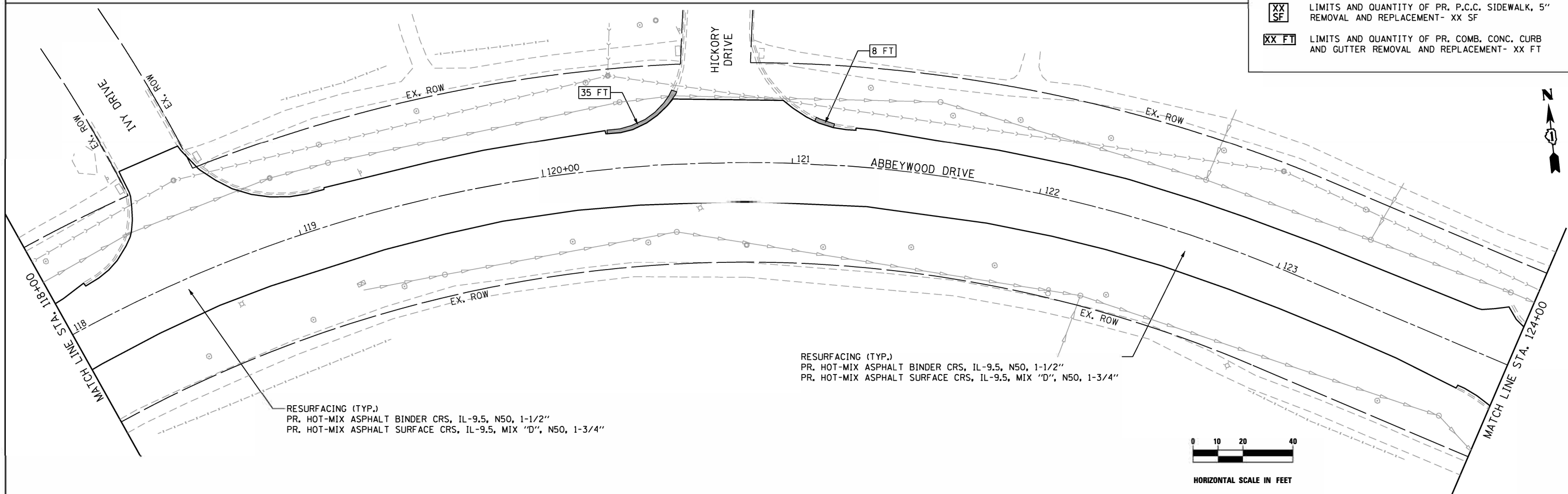
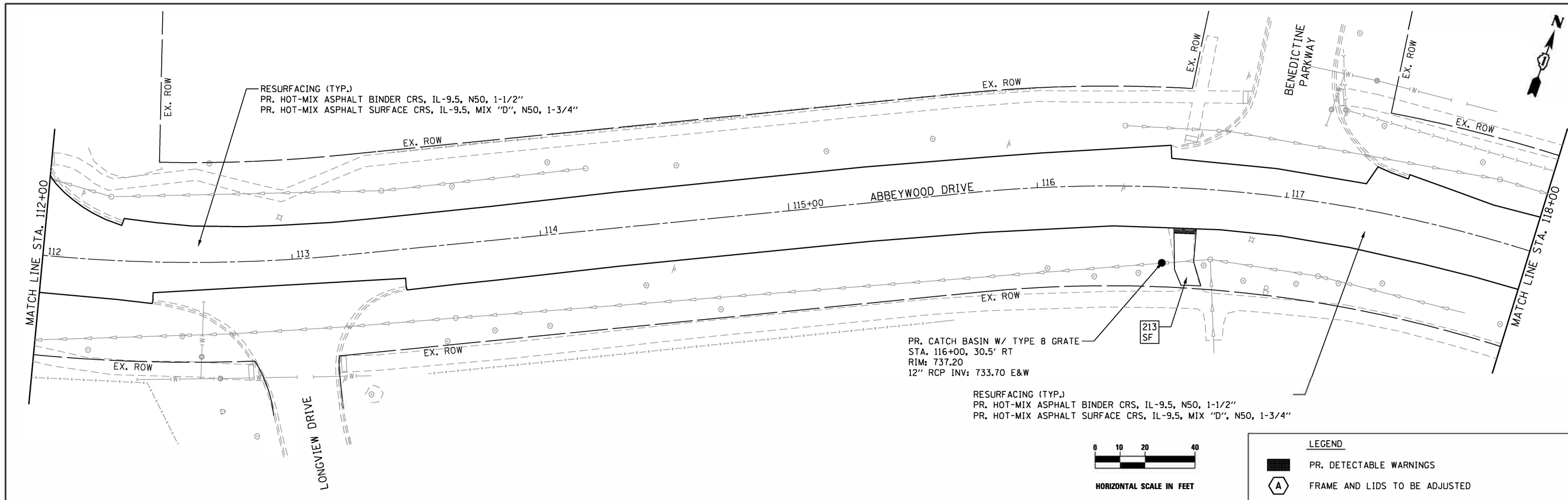
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PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 11/4/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

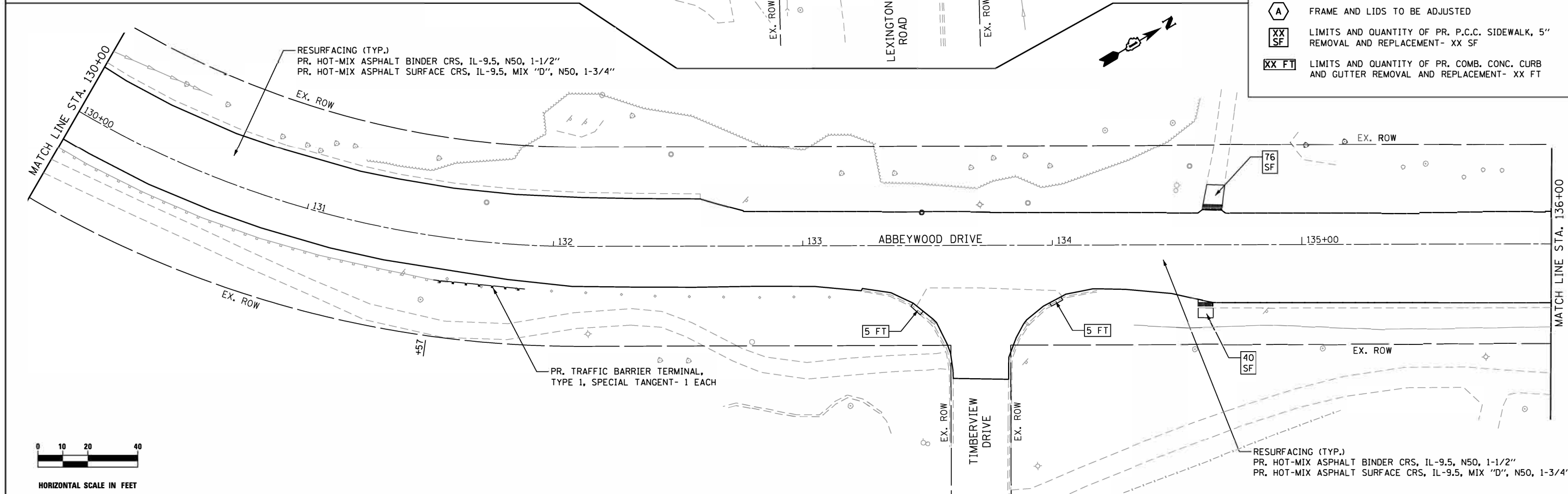
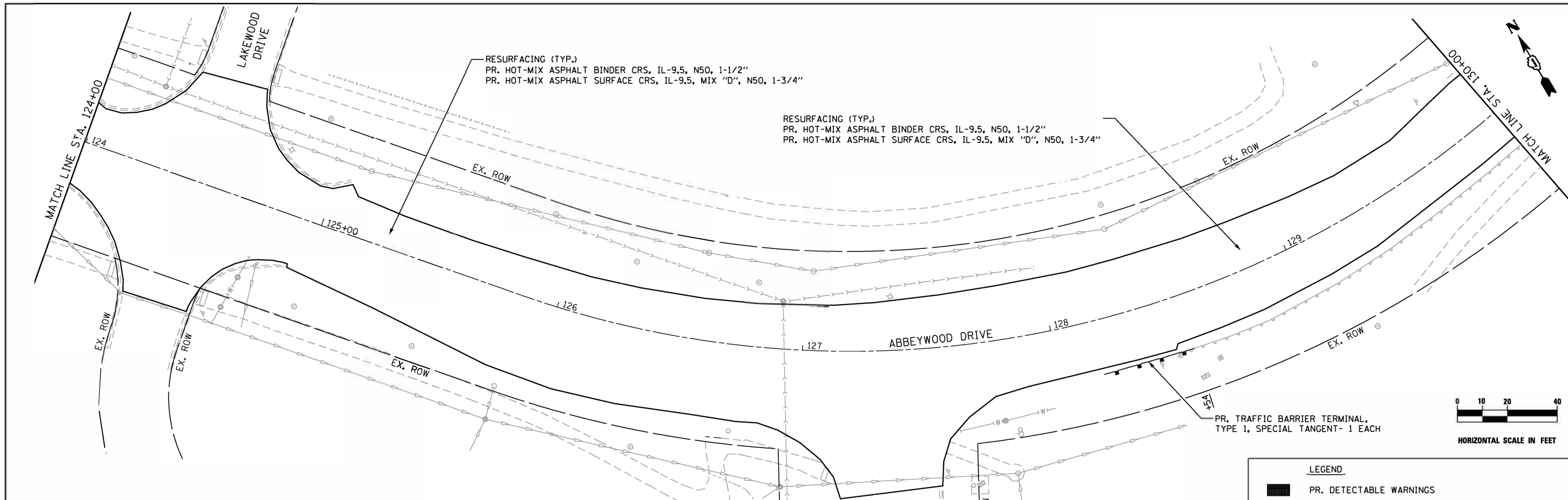
**ROADWAY PLANS  
ABBEEWOOD DRIVE**

SCALE: SHEET OF SHEETS STA. TO STA.

FAP 45007 4038	SECTION 19-00065-00-RS	COUNTY	TOTAL SHEETS 62	SHEET NO. 25
CONTRACT NO. 61G66			ILLINOIS FED. AID PROJECT	



thomas engineering group, llc 762 shoreline drive suite 200 aurora, illinois 60504 phone: 855-533-1700	USER NAME = DonN	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PLANS</b> <b>ABBEYWOOD DRIVE</b>		FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000' / 1" =	CHECKED -	REVISED -				45007	19-00065-00-RS	DuPAGE	62	26
PLOT DATE = 11/4/2020	DATE -	REVISED -	REVISED -	SCALE: SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 61666		ILLINOIS FED. AID PROJECT			



**LEGEND**

- PR. DETECTABLE WARNINGS
- FRAME AND LIDS TO BE ADJUSTED
- LIMITS AND QUANTITY OF PR. P.C.C. SIDEWALK, 5" REMOVAL AND REPLACEMENT- XX SF
- LIMITS AND QUANTITY OF PR. COMB. CONC. CURB AND GUTTER REMOVAL AND REPLACEMENT- XX FT

**thomas** thomas engineering group, llc  
 762 shoreline drive  
 suite 200  
 aurora, illinois 60504  
 phone: 855-533-1700

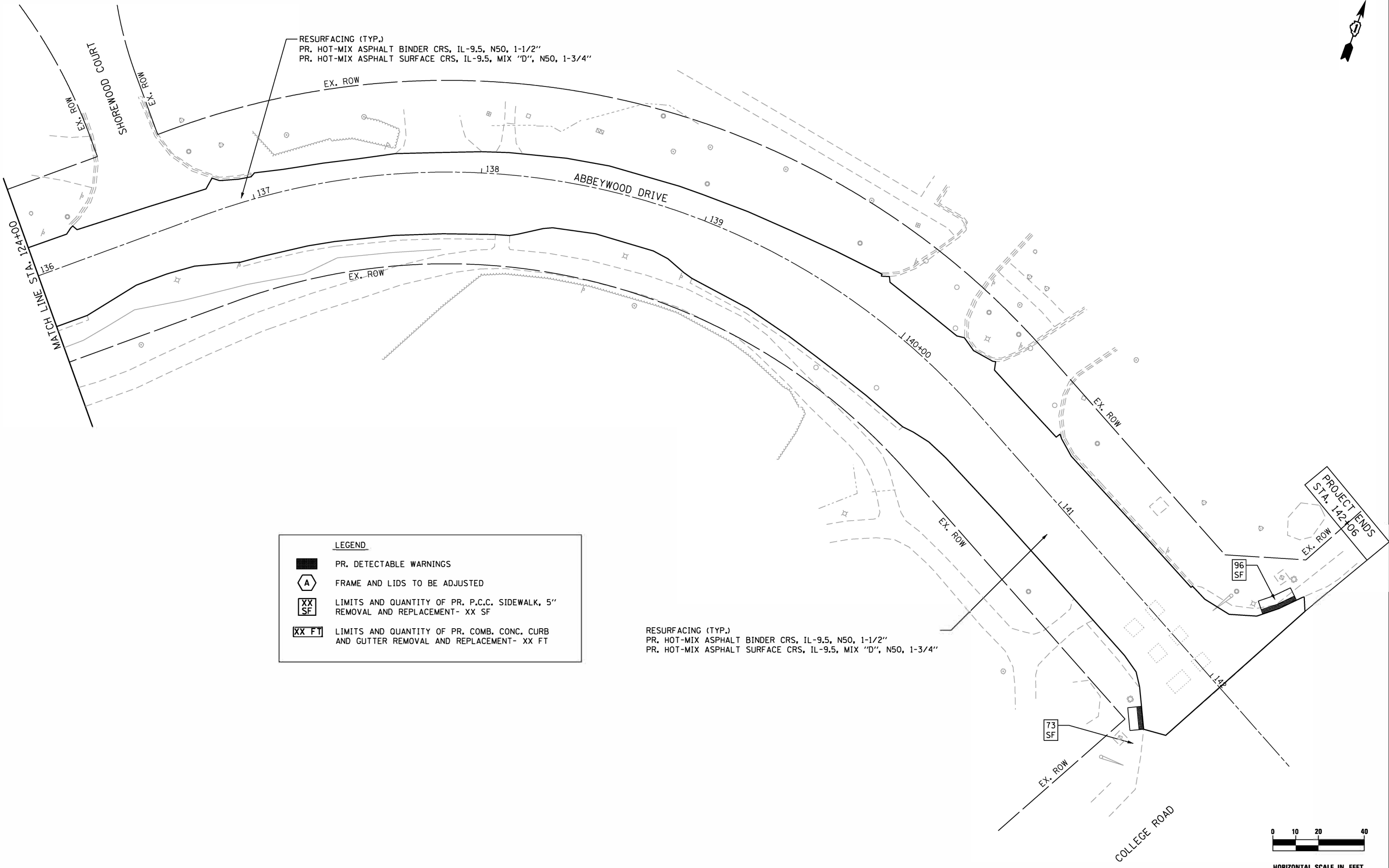
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	DRAWN -	REVISED -
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PLOT DATE = 11/4/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLANS  
 ABBEYWOOD DRIVE**

SCALE: SHEET OF SHEETS STA. TO STA.

FAP 45007 4038	SECTION 19-00065-00-RS	COUNTY DuPAGE	TOTAL SHEETS 62	SHEET NO. 27
CONTRACT NO. 61666			ILLINOIS FED. AID PROJECT	



RESURFACING (TYP.)  
 PR. HOT-MIX ASPHALT BINDER CRS, IL-9.5, N50, 1-1/2"  
 PR. HOT-MIX ASPHALT SURFACE CRS, IL-9.5, MIX "D", N50, 1-3/4"

RESURFACING (TYP.)  
 PR. HOT-MIX ASPHALT BINDER CRS, IL-9.5, N50, 1-1/2"  
 PR. HOT-MIX ASPHALT SURFACE CRS, IL-9.5, MIX "D", N50, 1-3/4"

LEGEND	
	PR. DETECTABLE WARNINGS
	FRAME AND LIDS TO BE ADJUSTED
	LIMITS AND QUANTITY OF PR. P.C.C. SIDEWALK, 5" REMOVAL AND REPLACEMENT- XX SF
	LIMITS AND QUANTITY OF PR. COMB. CONC. CURB AND GUTTER REMOVAL AND REPLACEMENT- XX FT



HORIZONTAL SCALE IN FEET

**thomas** thomas engineering group, llc  
 762 shoreline drive  
 suite 200  
 aurora, illinois 60504  
 phone: 855-533-1700

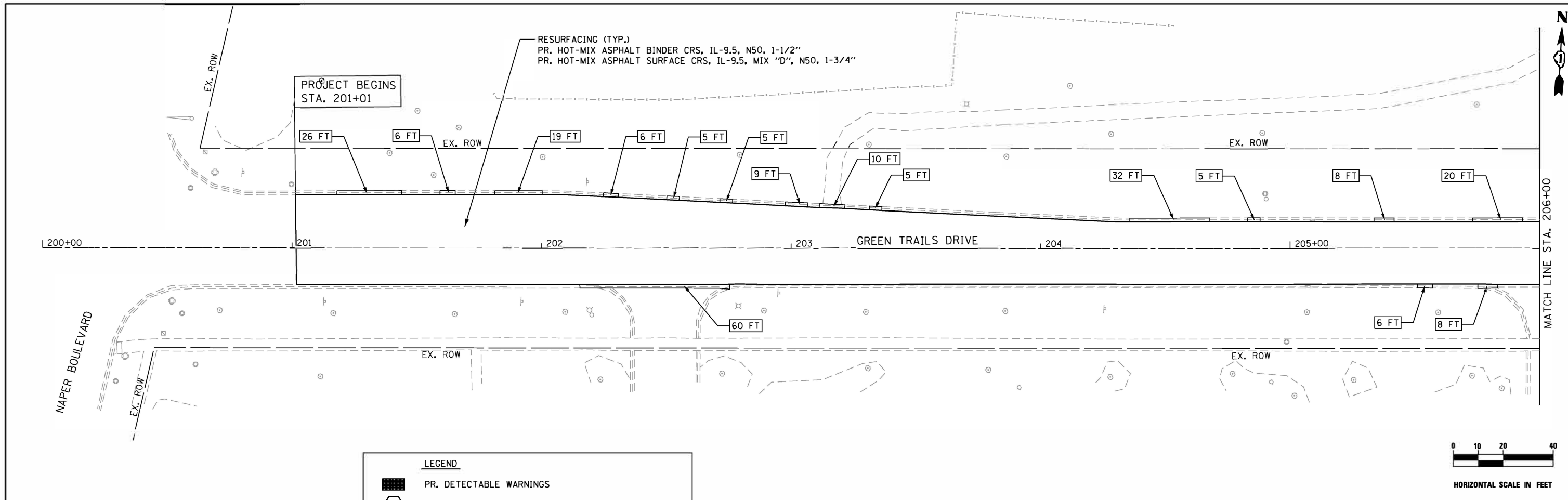
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PLOT DATE = 11/4/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLANS  
 ABBEYWOOD DRIVE**

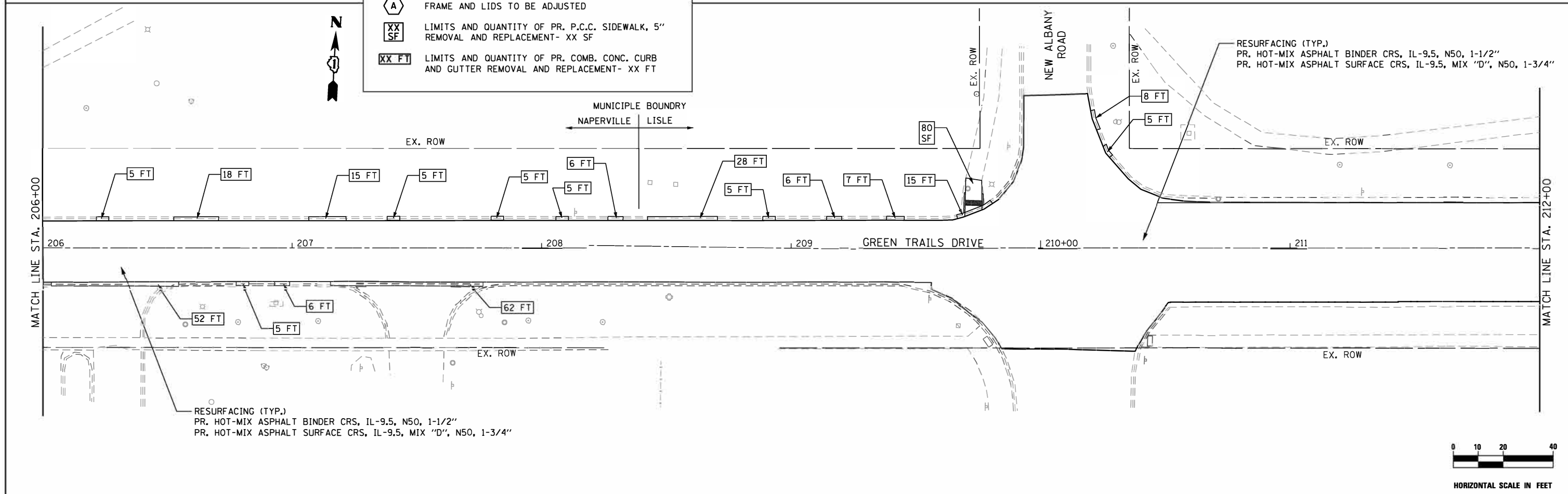
SCALE: SHEET OF SHEETS STA. TO STA.

FAP 45007 4038	SECTION 19-00065-00-RS	COUNTY DuPAGE	TOTAL SHEETS 62	SHEET NO. 28
CONTRACT NO. 61G66				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- PR. DETECTABLE WARNINGS
- FRAME AND LIDS TO BE ADJUSTED
- LIMITS AND QUANTITY OF PR. P.C.C. SIDEWALK, 5" REMOVAL AND REPLACEMENT- XX SF
- LIMITS AND QUANTITY OF PR. COMB. CONC. CURB AND GUTTER REMOVAL AND REPLACEMENT- XX FT



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USER NAME = DonN	DESIGNED -	REVISED -
DRAWN -	REVISOR -	
CHECKED -	REVISOR -	
DATE -	REVISOR -	
PLOT SCALE = 40.0000' / 1" =		
PLOT DATE = 11/4/2020		

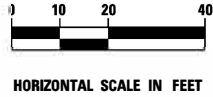
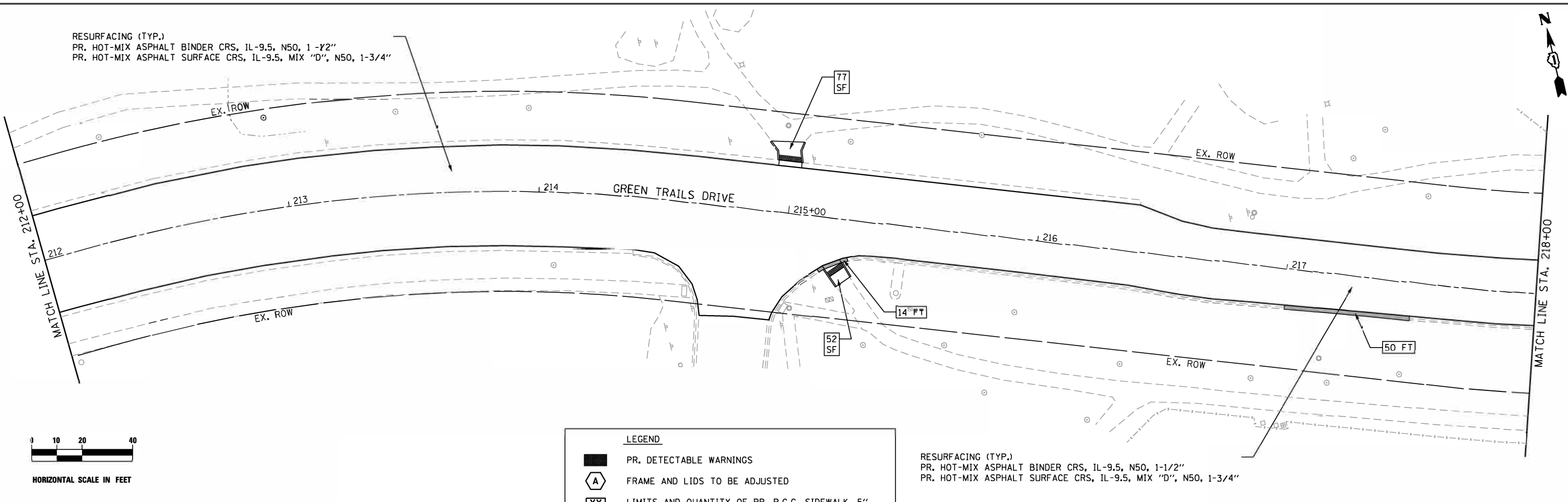
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLANS  
GREEN TRAILS DRIVE**

SCALE: SHEET OF SHEETS STA. TO STA.

FAP 45007 4038	SECTION 19-00065-00-RS	COUNTY DuPAGE	TOTAL SHEETS 62	SHEET NO. 29
CONTRACT NO. 61G66				
ILLINOIS FED. AID PROJECT				

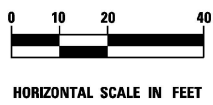
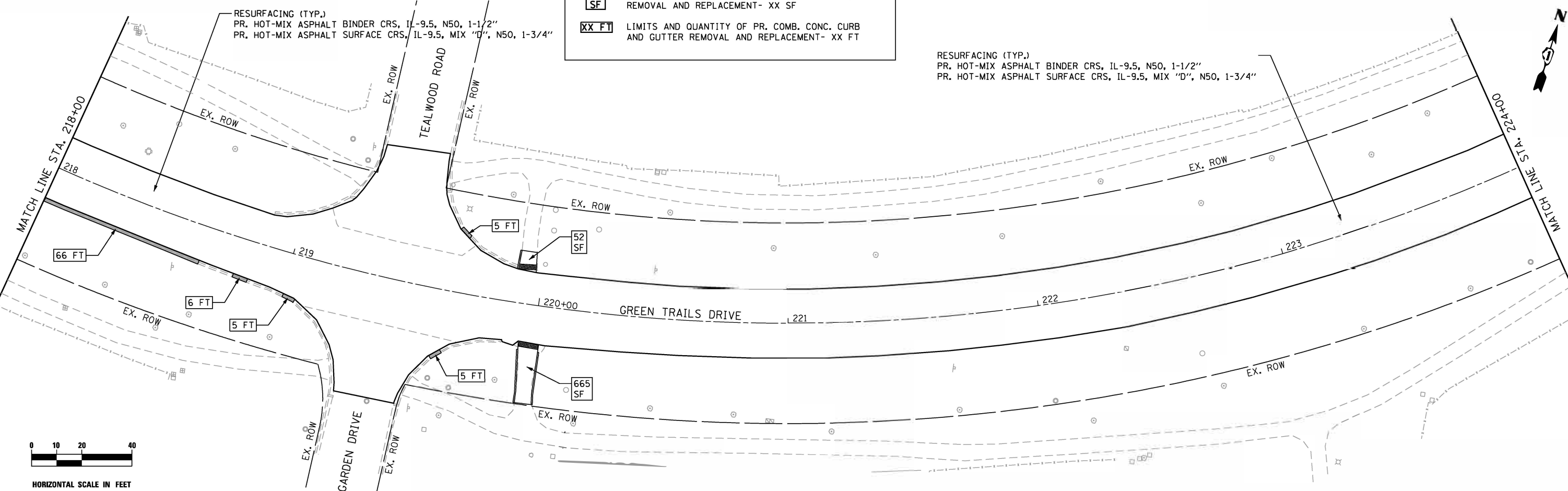
RESURFACING (TYP.)  
 PR. HOT-MIX ASPHALT BINDER CRS, IL-9.5, N50, 1-1/2"  
 PR. HOT-MIX ASPHALT SURFACE CRS, IL-9.5, MIX "D", N50, 1-3/4"



**LEGEND**

	PR. DETECTABLE WARNINGS
	FRAME AND LIDS TO BE ADJUSTED
	LIMITS AND QUANTITY OF PR. P.C.C. SIDEWALK, 5" REMOVAL AND REPLACEMENT- XX SF
	LIMITS AND QUANTITY OF PR. COMB. CONC. CURB AND GUTTER REMOVAL AND REPLACEMENT- XX FT

RESURFACING (TYP.)  
 PR. HOT-MIX ASPHALT BINDER CRS, IL-9.5, N50, 1-1/2"  
 PR. HOT-MIX ASPHALT SURFACE CRS, IL-9.5, MIX "D", N50, 1-3/4"



RESURFACING (TYP.)  
 PR. HOT-MIX ASPHALT BINDER CRS, IL-9.5, N50, 1-1/2"  
 PR. HOT-MIX ASPHALT SURFACE CRS, IL-9.5, MIX "D", N50, 1-3/4"

**thomas** engineering group, llc  
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 phone: 855-533-1700

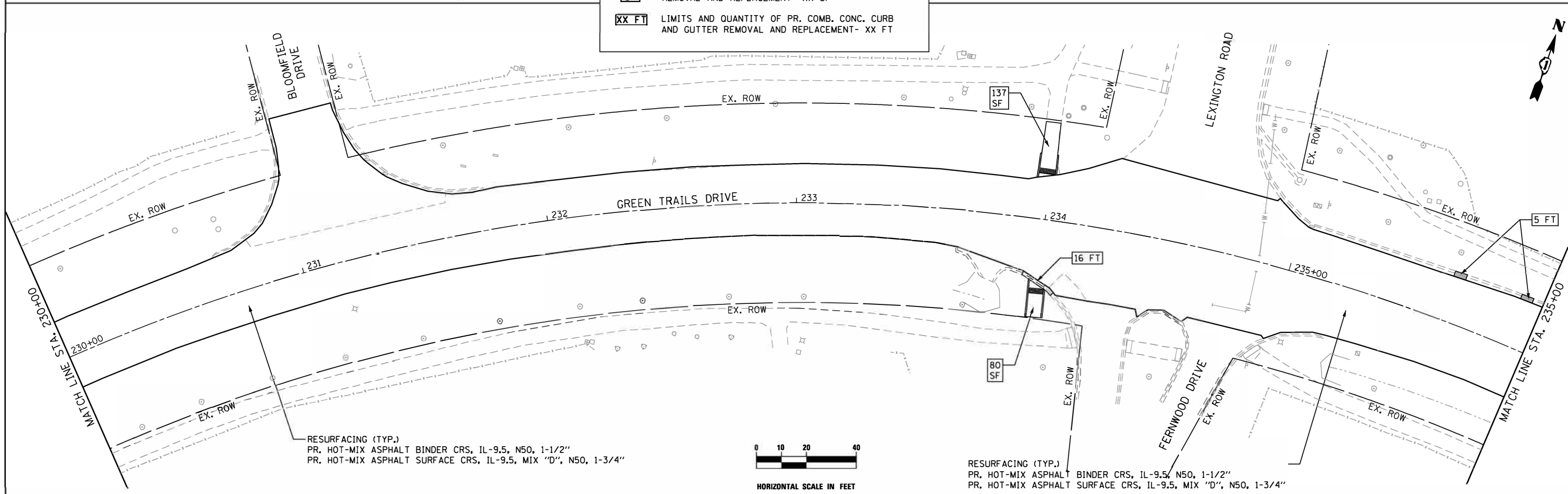
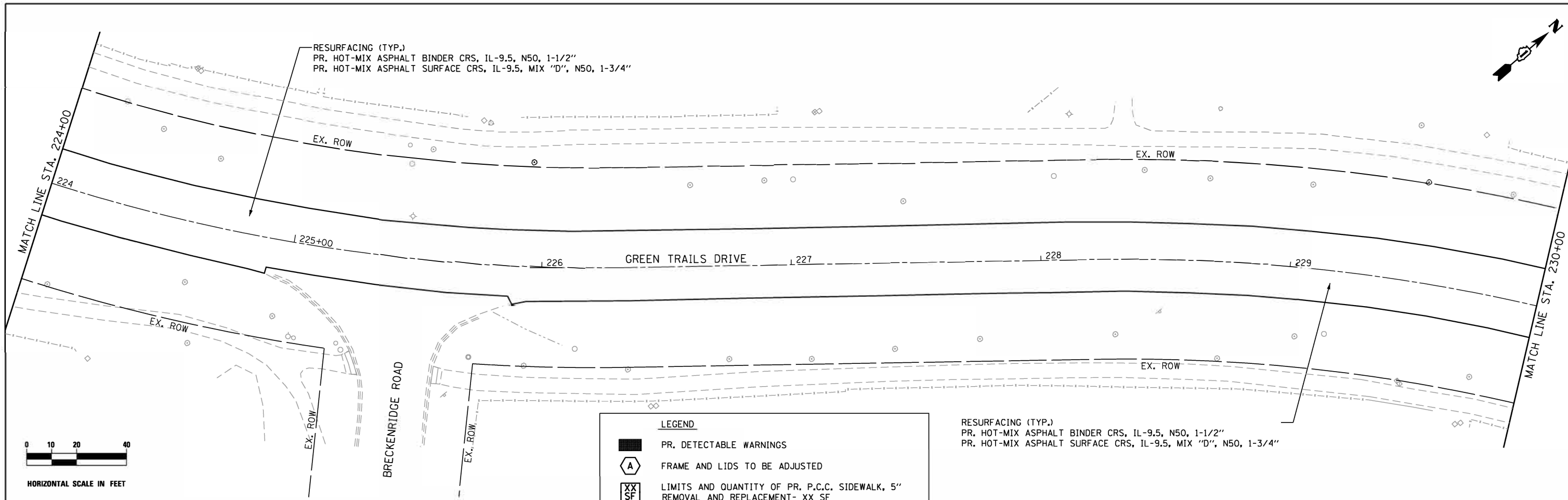
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	DATE -	REVISED -

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

**ROADWAY PLANS**  
**GREEN TRAILS DRIVE**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45007 4038	19-00065-00-RS	DuPAGE	62	30
CONTRACT NO. 61G66				
ILLINOIS FED. AID PROJECT				



**thomas** thomas engineering group, llc  
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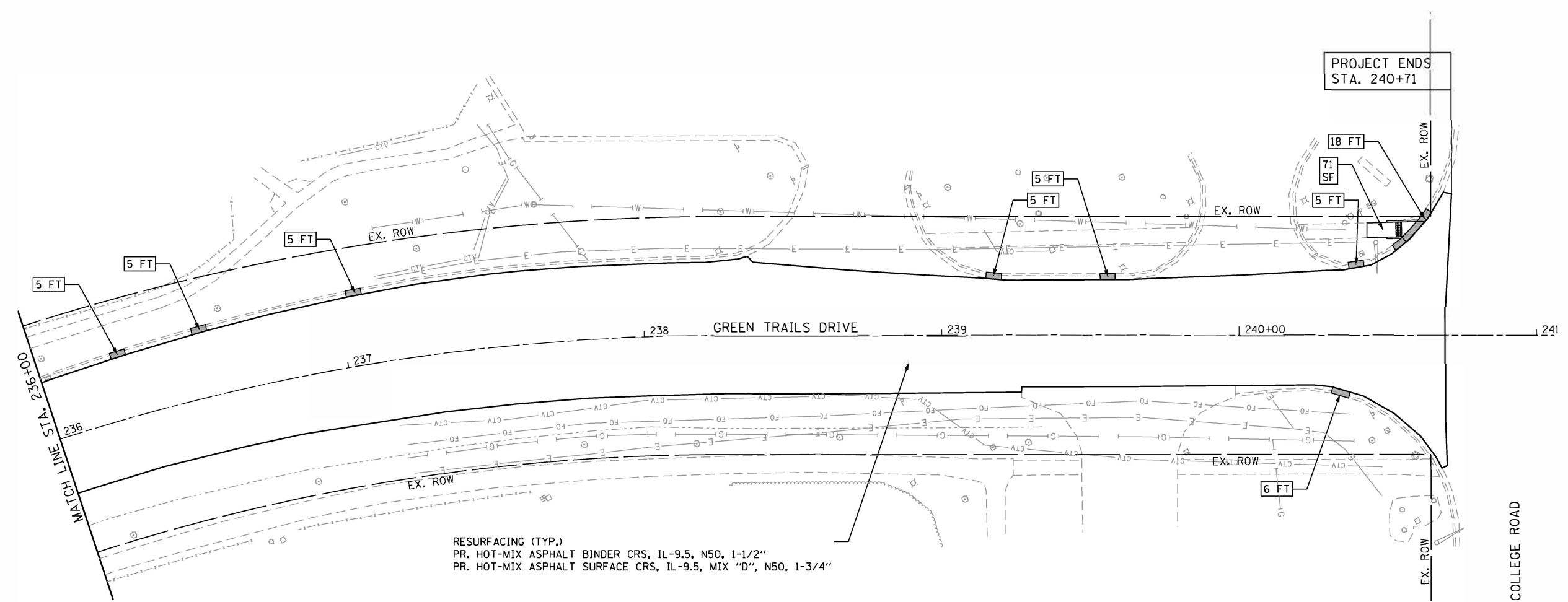
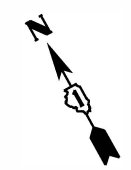
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CHECKED -	REVISOR -	
DATE -	REVISOR -	
PLOT SCALE = 40.0000' / 1" =		
PLOT DATE = 11/4/2020		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLANS  
GREEN TRAILS DRIVE**

SCALE: SHEET OF SHEETS STA. TO STA.

FAP 45007 4038	SECTION 19-00065-00-RS	COUNTY DuPAGE	TOTAL SHEETS 62	SHEET NO. 31
CONTRACT NO. 61G66				
ILLINOIS FED. AID PROJECT				



RESURFACING (TYP.)  
 PR. HOT-MIX ASPHALT BINDER CRS, IL-9.5, N50, 1-1/2"  
 PR. HOT-MIX ASPHALT SURFACE CRS, IL-9.5, MIX "D", N50, 1-3/4"

LEGEND	
	PR. DETECTABLE WARNINGS
	FRAME AND LIDS TO BE ADJUSTED
	LIMITS AND QUANTITY OF PR. P.C.C. SIDEWALK, 5" REMOVAL AND REPLACEMENT- XX SF
	LIMITS AND QUANTITY OF PR. COMB. CONC. CURB AND GUTTER REMOVAL AND REPLACEMENT- XX FT



HORIZONTAL SCALE IN FEET

**thomas**  
 thomas engineering group, llc  
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 suite 200  
 aurora, illinois 60504  
 phone: 855-533-1700

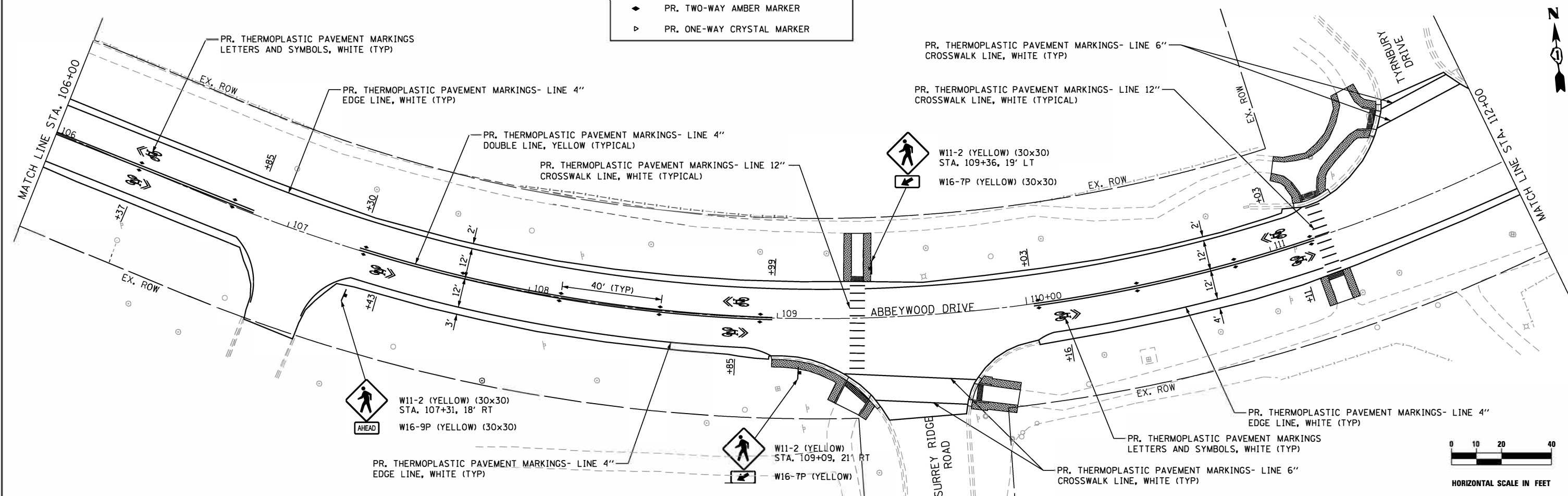
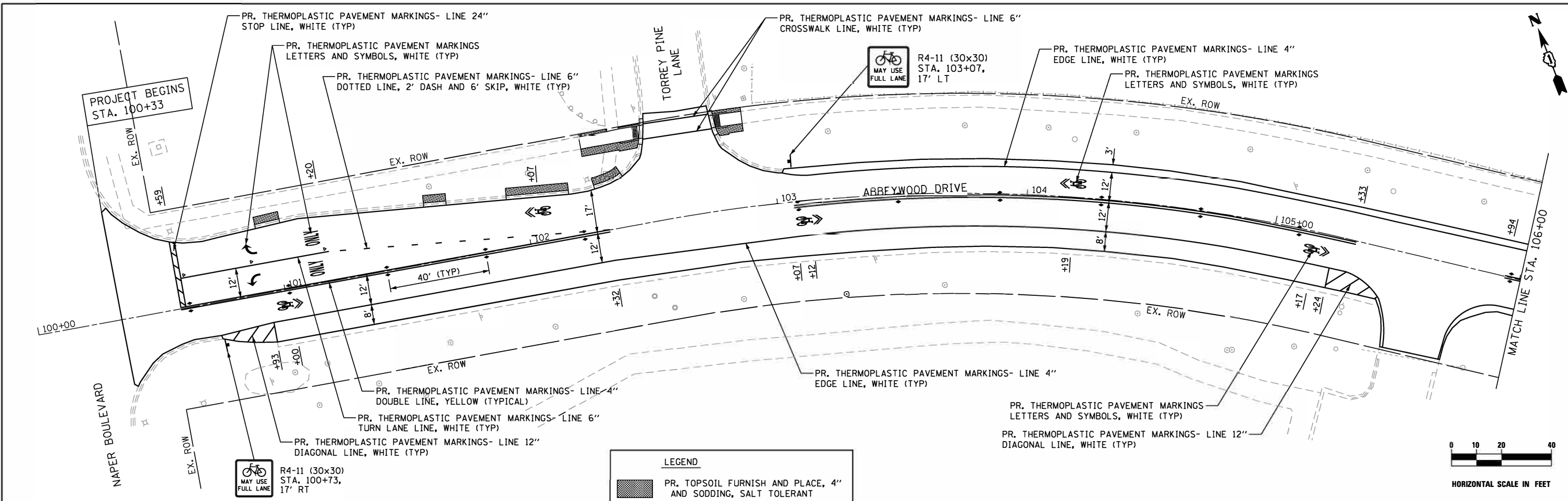
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PLOT DATE = 11/4/2020	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ROADWAY PLANS	
GREEN TRAILS DRIVE	
SCALE:	SHEET OF SHEETS STA. TO STA.

FAP 45007 4038	SECTION 19-00065-00-RS	COUNTY DuPAGE	TOTAL SHEETS 62	SHEET NO. 32
CONTRACT NO. 61G66				
ILLINOIS FED. AID PROJECT				





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 service at the highest grade

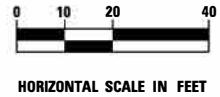
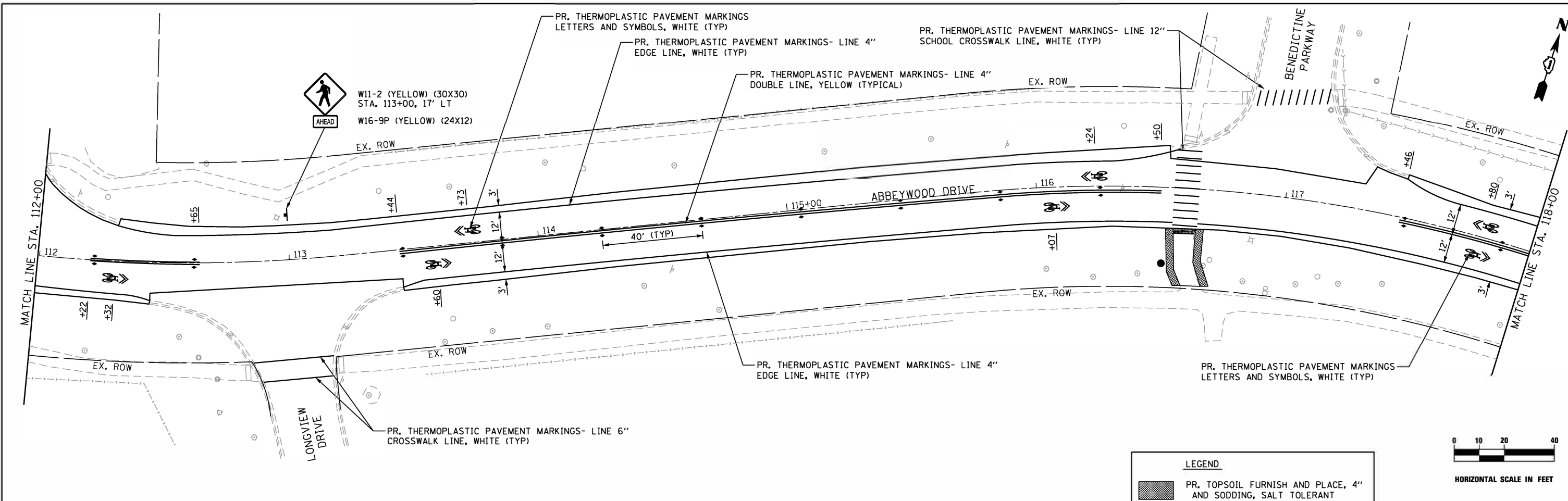
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CHECKED -	REVISOR -	REVISOR -
DATE -	REVISOR -	REVISOR -
PLOT SCALE = 40.0000' / in.	PLOT DATE = 11/4/2020	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

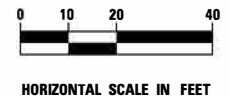
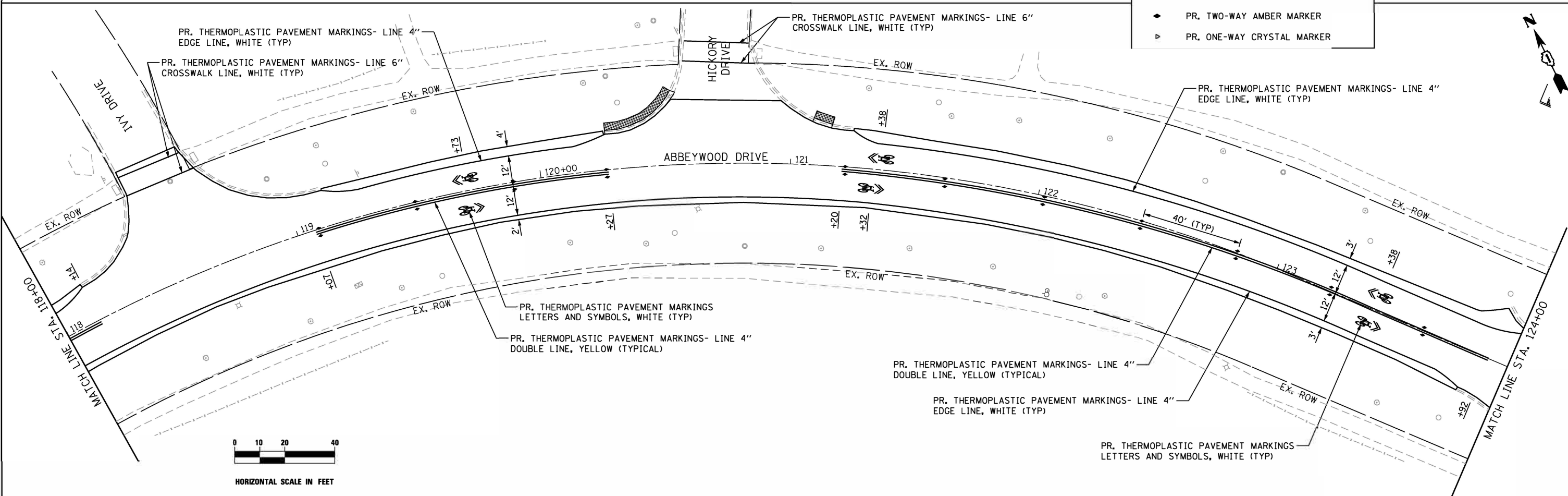
**PAVEMENT MARKING, SIGNING AND LANDSCAPING PLANS  
 ABBEYWOOD DRIVE**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45007 4038	19-0065-00-RS	DuPAGE	62	33
CONTRACT NO. 61G66				
ILLINOIS FED. AID PROJECT				



LEGEND	
	PR. TOPSOIL FURNISH AND PLACE, 4" AND SODDING, SALT TOLERANT
	PR. TWO-WAY AMBER MARKER
	PR. ONE-WAY CRYSTAL MARKER



**thomas** thomas engineering group, llc  
 762 shoreline drive  
 suite 200  
 aurora, illinois 60504  
 phone: 855-533-1700

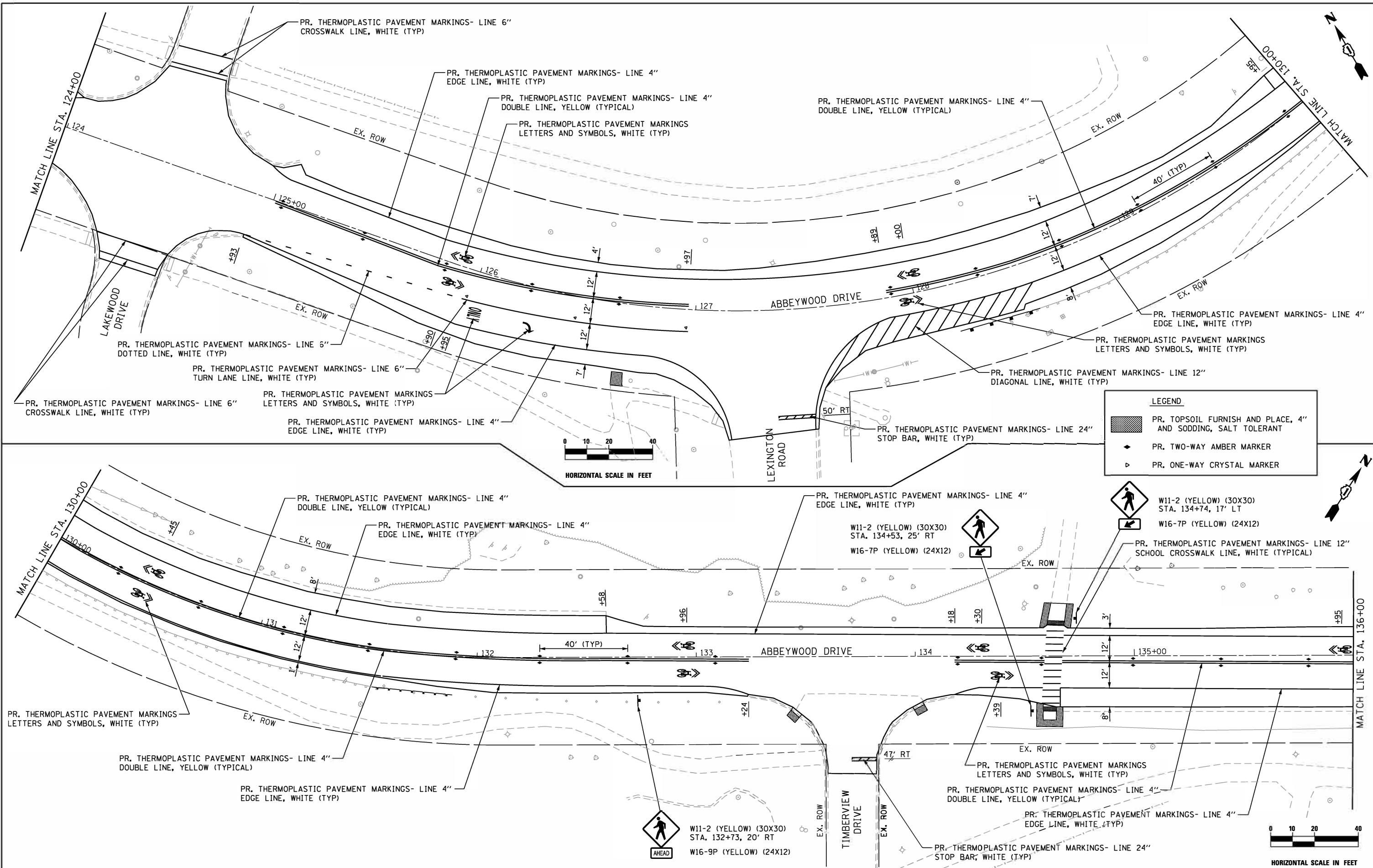
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PLOT DATE = 11/4/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING, SIGNING AND LANDSCAPING PLANS  
 ABBEYWOOD DRIVE**

SCALE: SHEET OF SHEETS STA. TO STA.

FAP 45007 4038	SECTION 19-00065-00-RS	COUNTY DuPAGE	TOTAL SHEETS 62	SHEET NO. 34
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G66	



**thomas** thomas engineering group, llc  
762 shoreline drive  
suite 200  
aurora, illinois 60504  
phone: 855-533-1700

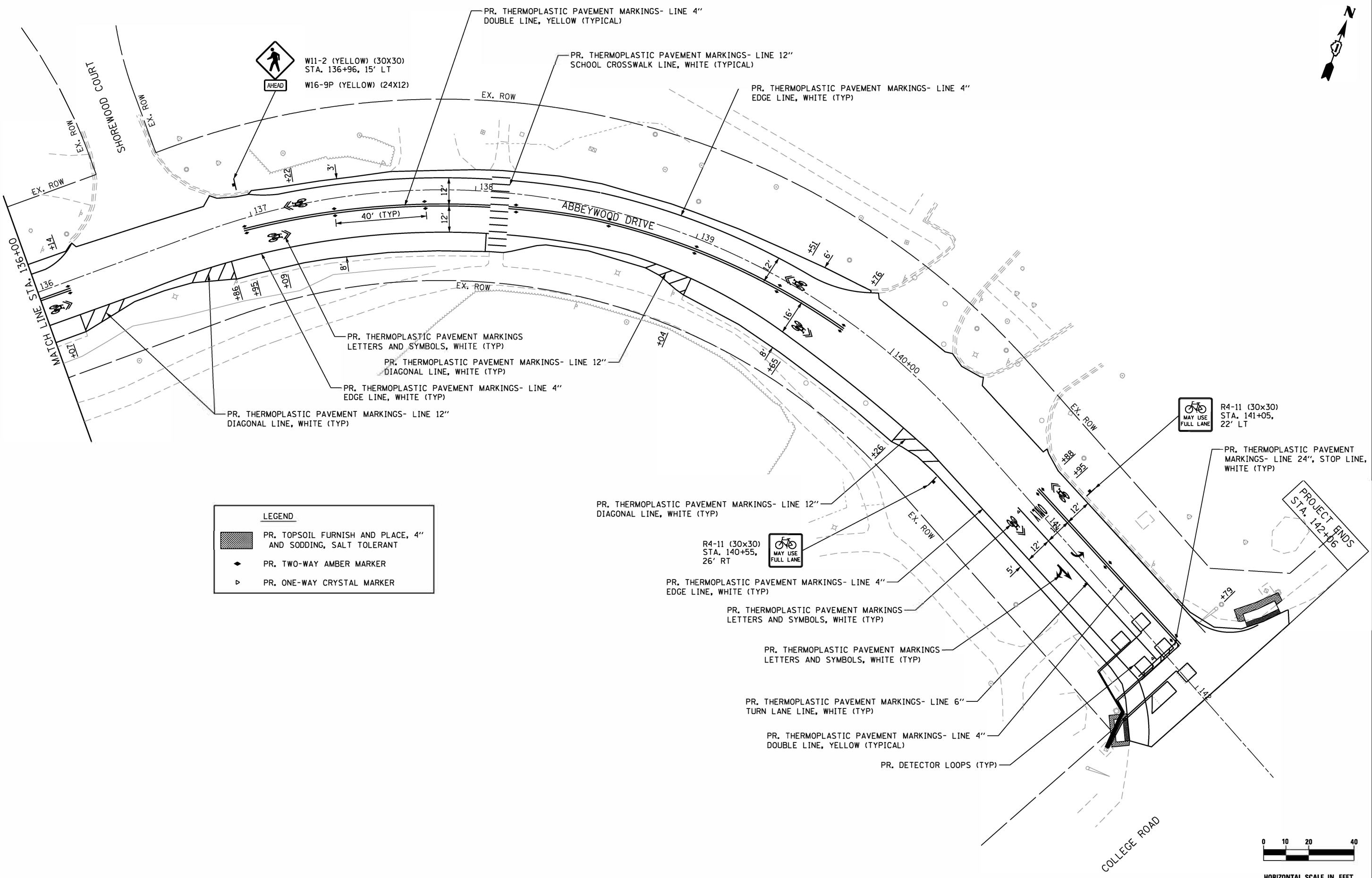
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CHECKED -	REVISED -	REVISED -
DATE -	REVISED -	REVISED -
PLOT SCALE = 40.0000' / in.		
PLOT DATE = 11/4/2020		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

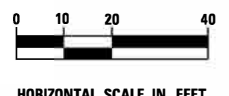
**PAVEMENT MARKING, SIGNING AND LANDSCAPING PLANS  
ABBAYWOOD DRIVE**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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FAP 45007 4038	SECTION 19-00065-00-RS	COUNTY DuPAGE	TOTAL SHEETS 62	SHEET N.O. 35
CONTRACT NO. 61666				
ILLINOIS FED. AID PROJECT				



LEGEND	
	PR. TOPSOIL FURNISH AND PLACE, 4\"/>



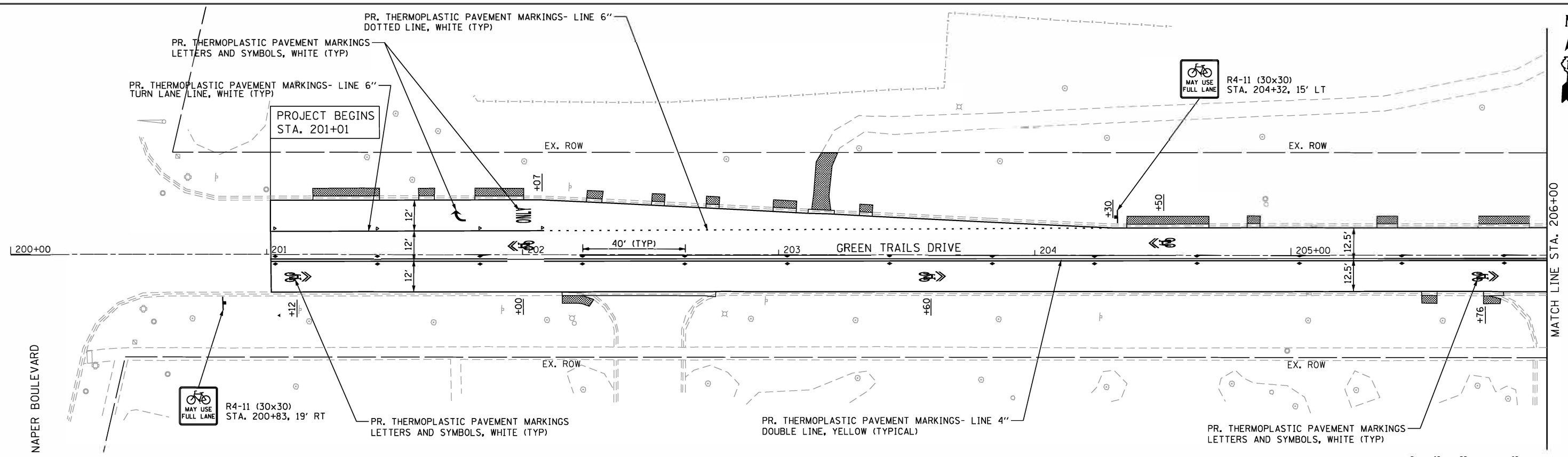
**thomas** engineering group, llc  
 762 shoreline drive  
 suite 200  
 aurora, illinois 60504  
 phone: 855-533-1700

USER NAME = DonN	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 11/4/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

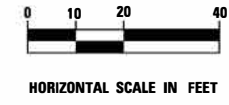
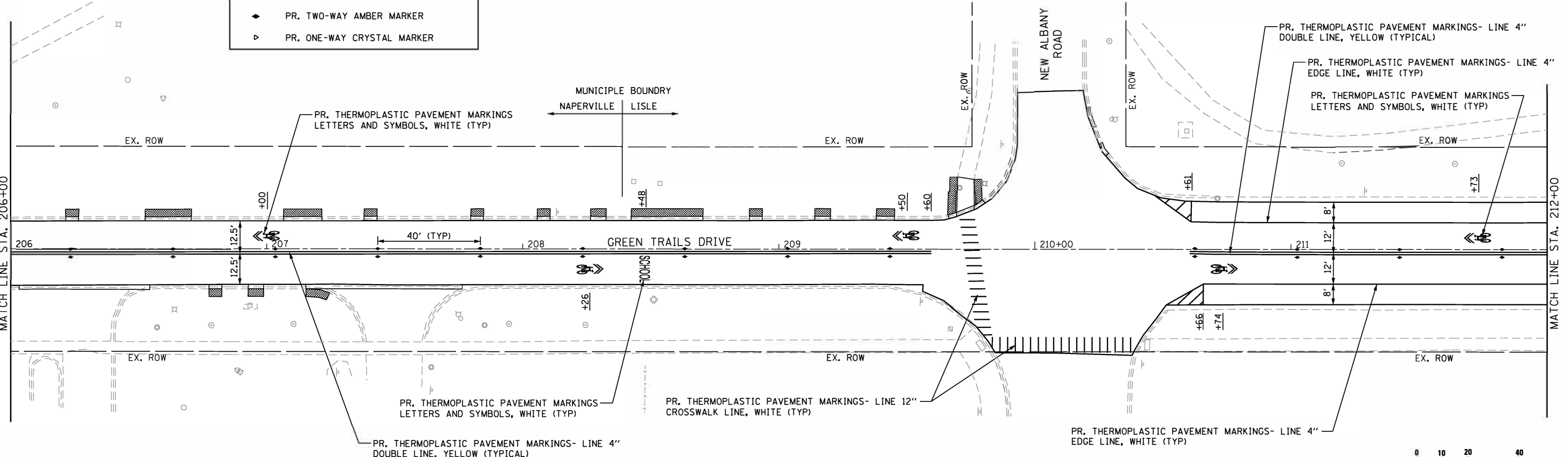
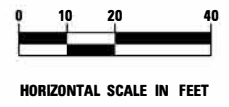
**PAVEMENT MARKING, SIGNING AND LANDSCAPING PLANS  
 ABBEYWOOD DRIVE**

FAP 45007 4038	SECTION 19-00065-00-RS	COUNTY DuPAGE	TOTAL SHEETS 62	SHEET NO. 36
SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 61G66	
ILLINOIS FED. AID PROJECT				



**LEGEND**

	PR. TOPSOIL FURNISH AND PLACE, 4" AND SODDING, SALT TOLERANT
	PR. TWO-WAY AMBER MARKER
	PR. ONE-WAY CRYSTAL MARKER



**thomas** thomas engineering group, llc  
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phone: 855-533-1700

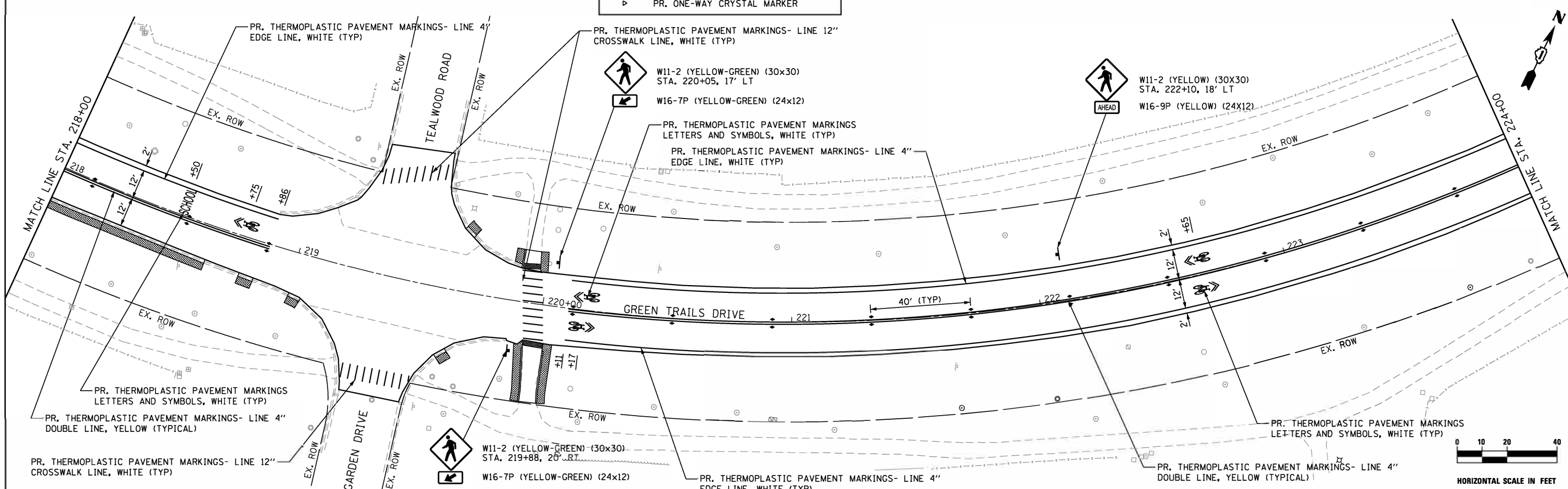
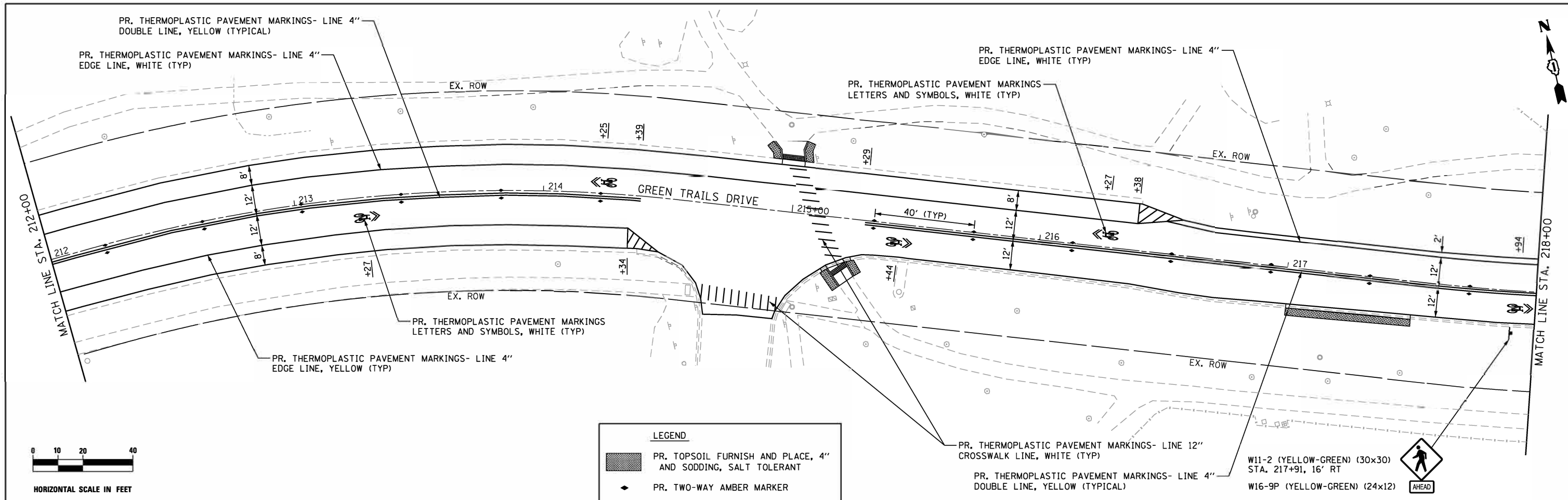
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PLOT DATE = 11/4/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING, SIGNING AND LANDSCAPING PLANS  
GREEN TRAILS DRIVE**

FAP 45007 4038	SECTION 19-00065-00-RS	COUNTY DuPAGE	TOTAL SHEETS 62	SHEET NO. 37
CONTRACT NO. 61G66				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



**thomas** thomas engineering group, llc  
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phone: 855-533-1700

USER NAME = DonN  
DESIGNED -  
DRAWN -  
PLOT SCALE = 40.0000' / in.  
CHECKED -  
PLOT DATE = 11/4/2020  
DATE -

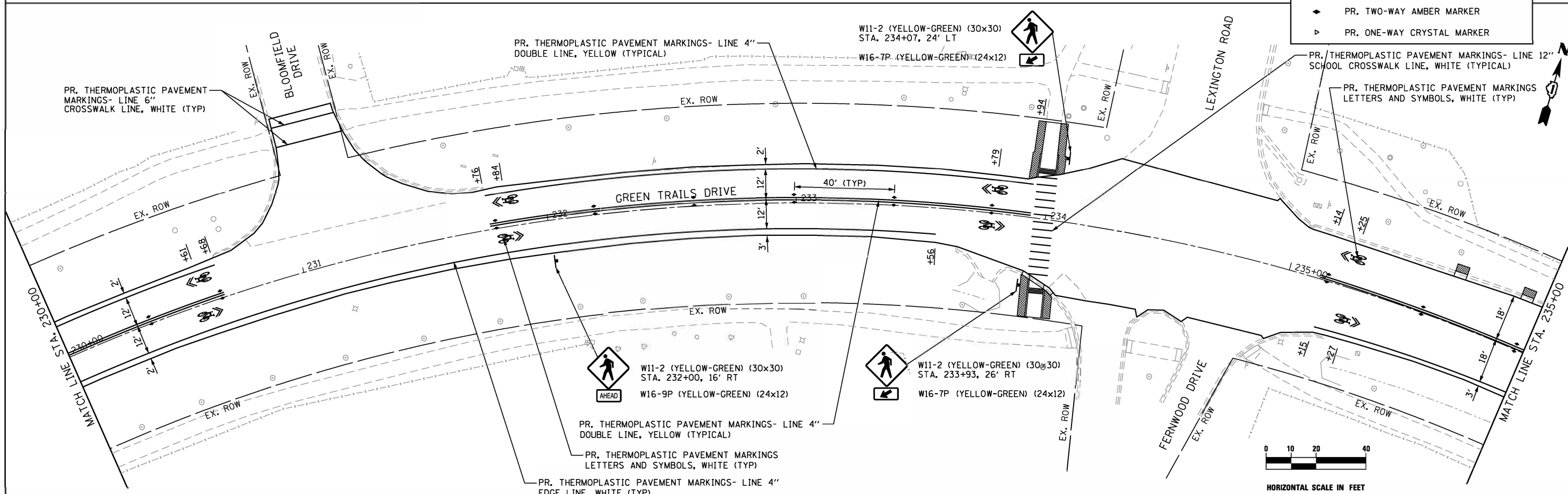
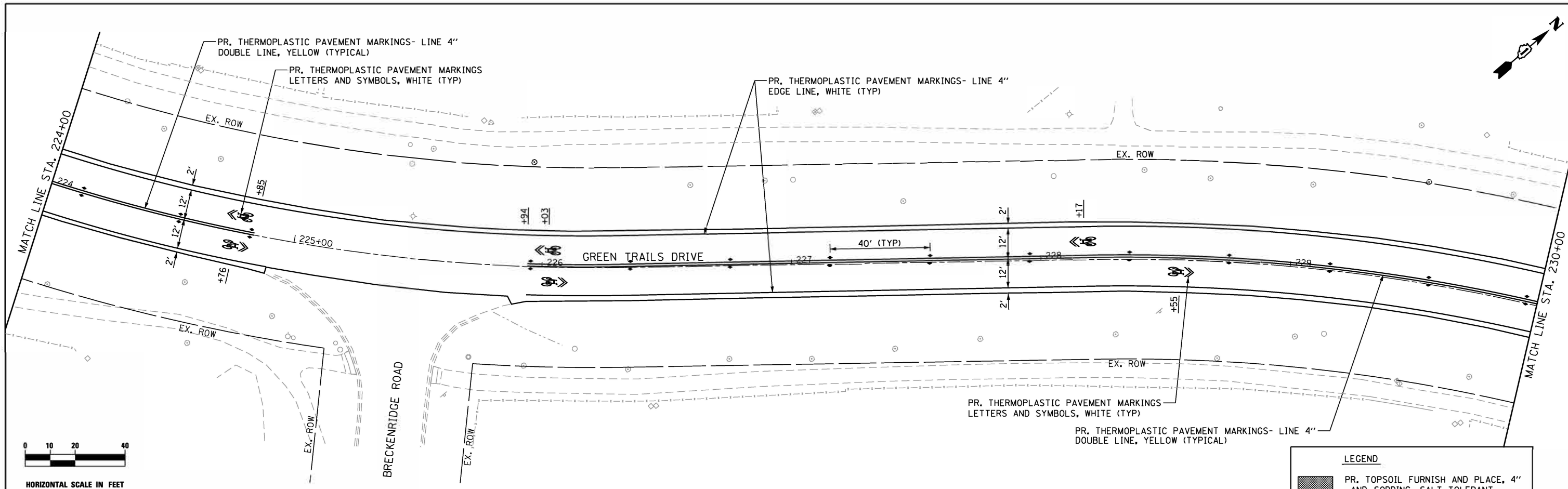
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REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING, SIGNING AND LANDSCAPING PLANS  
GREEN TRAILS DRIVE**

SCALE: SHEET OF SHEETS STA. TO STA.

FAP 45007 4038	SECTION 19-00065-00-RS	COUNTY	TOTAL SHEETS 62	SHEET NO. 38
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61666	



**thomas** thomas engineering group, llc  
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phone: 855-533-1700

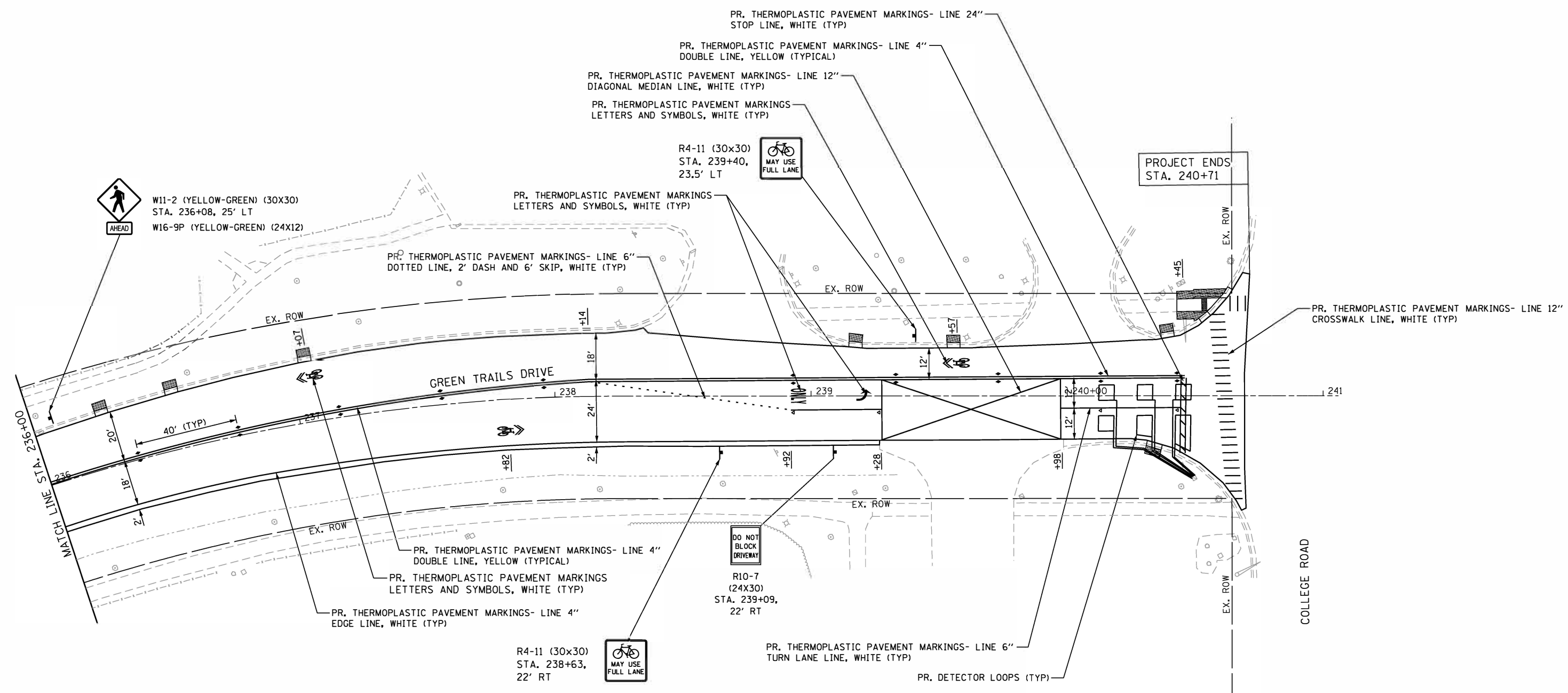
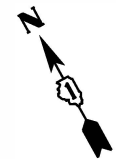
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DRAWN -	REVISED -	REVISED -
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DATE -	REVISED -	REVISED -
PLOT SCALE = 40.0000' / in.		
PLOT DATE = 11/4/2020		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING, SIGNING AND LANDSCAPING PLANS**  
**GREEN TRAILS DRIVE**

FAP 45007 4038	SECTION 19-00065-00-RS	COUNTY DuPAGE	TOTAL SHEETS 62	SHEET NO. 39
CONTRACT NO. 61G66				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



**LEGEND**

	PR. TOPSOIL FURNISH AND PLACE, 4" AND SODDING, SALT TOLERANT
	PR. TWO-WAY AMBER MARKER
	PR. ONE-WAY CRYSTAL MARKER



HORIZONTAL SCALE IN FEET

**thomas**  
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 aurora, illinois 60504  
 phone: 855-533-1700  
 service at the highest grade

USER NAME = DonN	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 11/4/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING, SIGNING AND LANDSCAPING PLANS  
 GREEN TRAILS DRIVE**

FAP 45007 4038	SECTION 19-00065-00-RS	COUNTY DuPAGE	TOTAL SHEETS 62	SHEET NO. 40
CONTRACT NO. 61G66				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.



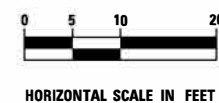
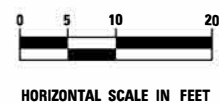
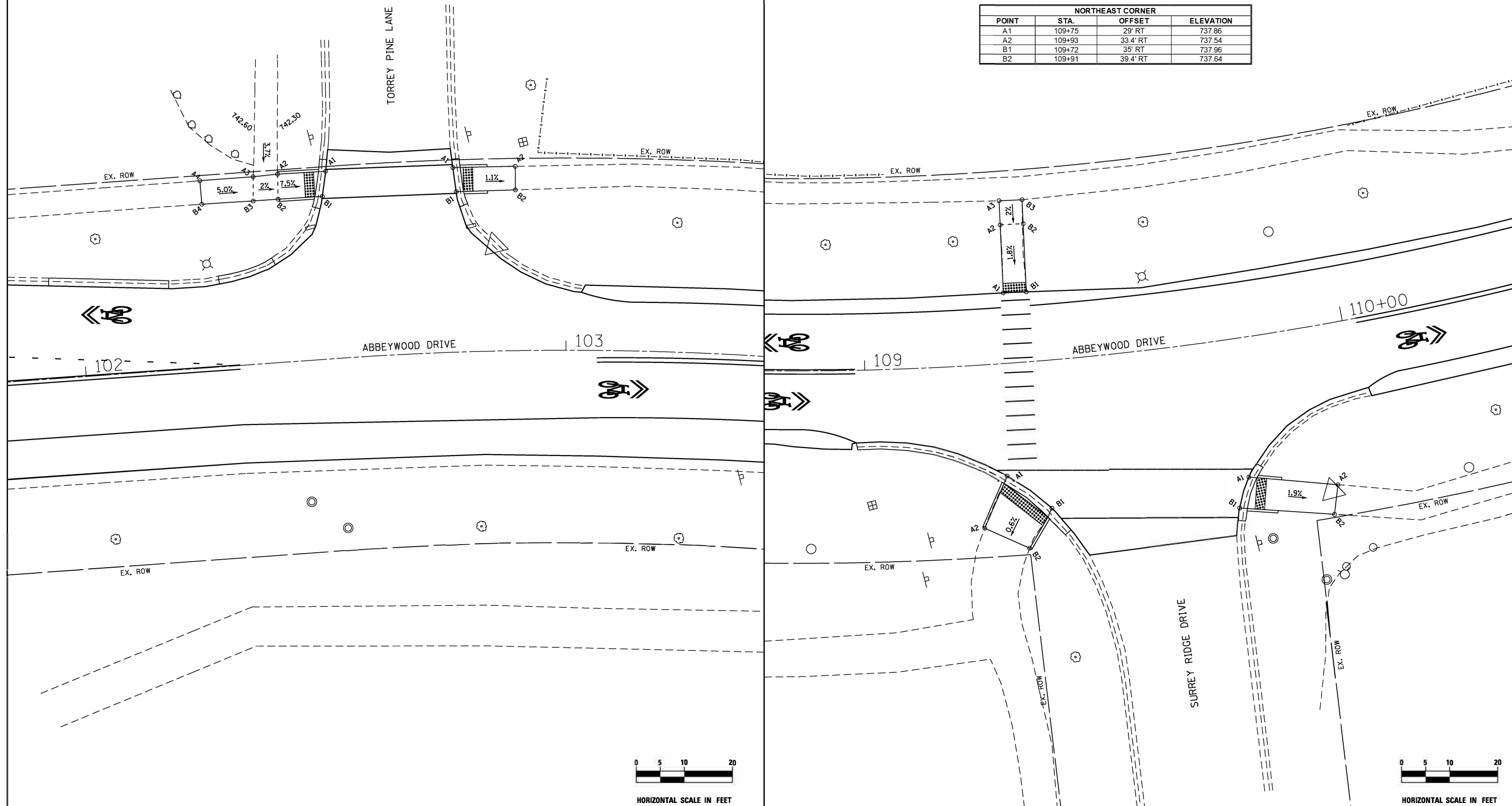
NORTHWEST CORNER			
POINT	STA.	OFFSET	ELEVATION
A1	102+52.7	39' LT	741.51
A2	102+42.5	39' LT	742.13
A3	102+37.6	39' LT	742.23
A4	102+26.4	39' LT	742.76
B1	102+51.7	34' LT	741.5
B2	102+42.5	34' LT	742.13
B3	102+37.3	34' LT	742.23
B4	102+26.4	34' LT	742.72

NORTHEAST CORNER			
POINT	STA.	OFFSET	ELEVATION
A1	102+79.2	38.4' LT	741.64
A2	102+89.5	38.4' LT	741.53
B1	102+79.5	33.4' LT	741.54
B2	102+89.5	33.4' LT	741.43

NORTHWEST CORNER			
POINT	STA.	OFFSET	ELEVATION
A1	109+29	14.7' LT	737.16
A2	109+29	28.8' LT	736.38
A3	109+29	33.8' LT	736.48
B1	109+34	14.5' LT	737.13
B2	109+34	28.8' LT	736.38
B3	109+34	33.8' LT	736.48

SOUTHWEST CORNER			
POINT	STA.	OFFSET	ELEVATION
A1	109+29	23.4' RT	737.92
A2	109+24	33.9' RT	737.88
B1	109+38	30.7' RT	738.02
B2	109+33.5	38.7' RT	737.97

NORTHEAST CORNER			
POINT	STA.	OFFSET	ELEVATION
A1	109+75	29' RT	737.86
A2	109+93	33.4' RT	737.54
B1	109+72	35' RT	737.96
B2	109+91	39.4' RT	737.64



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aurora, illinois 60504  
phone: 855-533-1700

USER NAME = DonN	DESIGNED -	REVISED -
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PLOT DATE = 11/4/2020	CHECKED -	REVISED -
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DEPARTMENT OF TRANSPORTATION

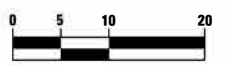
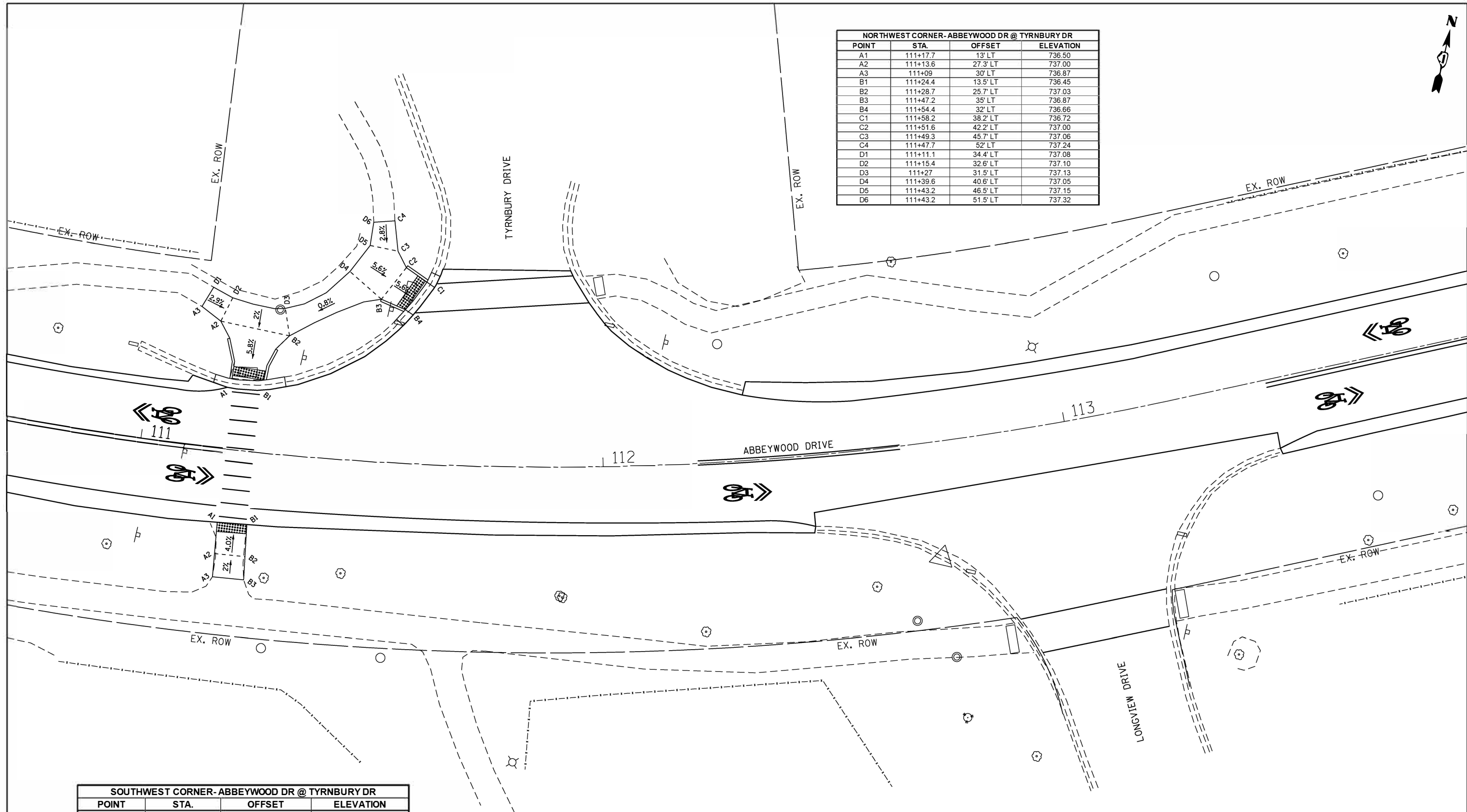
**SIDEWALK PLANS**  
**ABBEEWOOD DRIVE AND TORREY PINE LANE**  
**ABBEEWOOD DRIVE AND SURREY RIDGE LANE**

SCALE: SHEET OF SHEETS STA. TO STA.

FAP 45007 4038	SECTION 19-00065-00-RS	COUNTY DuPAGE	TOTAL SHEETS 62	SHEET NO. 41
CONTRACT NO. 61G66				
ILLINOIS FED. AID PROJECT				

NORTHWEST CORNER- ABBEYWOOD DR @ TYRNBURY DR			
POINT	STA.	OFFSET	ELEVATION
A1	111+17.7	13' LT	736.50
A2	111+13.6	27.3' LT	737.00
A3	111+09	30' LT	736.87
B1	111+24.4	13.5' LT	736.45
B2	111+28.7	25.7' LT	737.03
B3	111+47.2	35' LT	736.87
B4	111+54.4	32' LT	736.66
C1	111+58.2	38.2' LT	736.72
C2	111+51.6	42.2' LT	737.00
C3	111+49.3	45.7' LT	737.06
C4	111+47.7	52' LT	737.24
D1	111+11.1	34.4' LT	737.08
D2	111+15.4	32.6' LT	737.10
D3	111+27	31.5' LT	737.13
D4	111+39.6	40.6' LT	737.05
D5	111+43.2	46.5' LT	737.15
D6	111+43.2	51.5' LT	737.32

SOUTHWEST CORNER- ABBEYWOOD DR @ TYRNBURY DR			
POINT	STA.	OFFSET	ELEVATION
A1	111+19	16' RT	737.26
A2	111+19	22.6' RT	736.46
A3	111+19.5	27.6' RT	736.56
B1	111+25	15.7' RT	737.30
B2	111+26	22.6' RT	736.35
B3	111+26.5	27.6' RT	736.45



HORIZONTAL SCALE IN FEET

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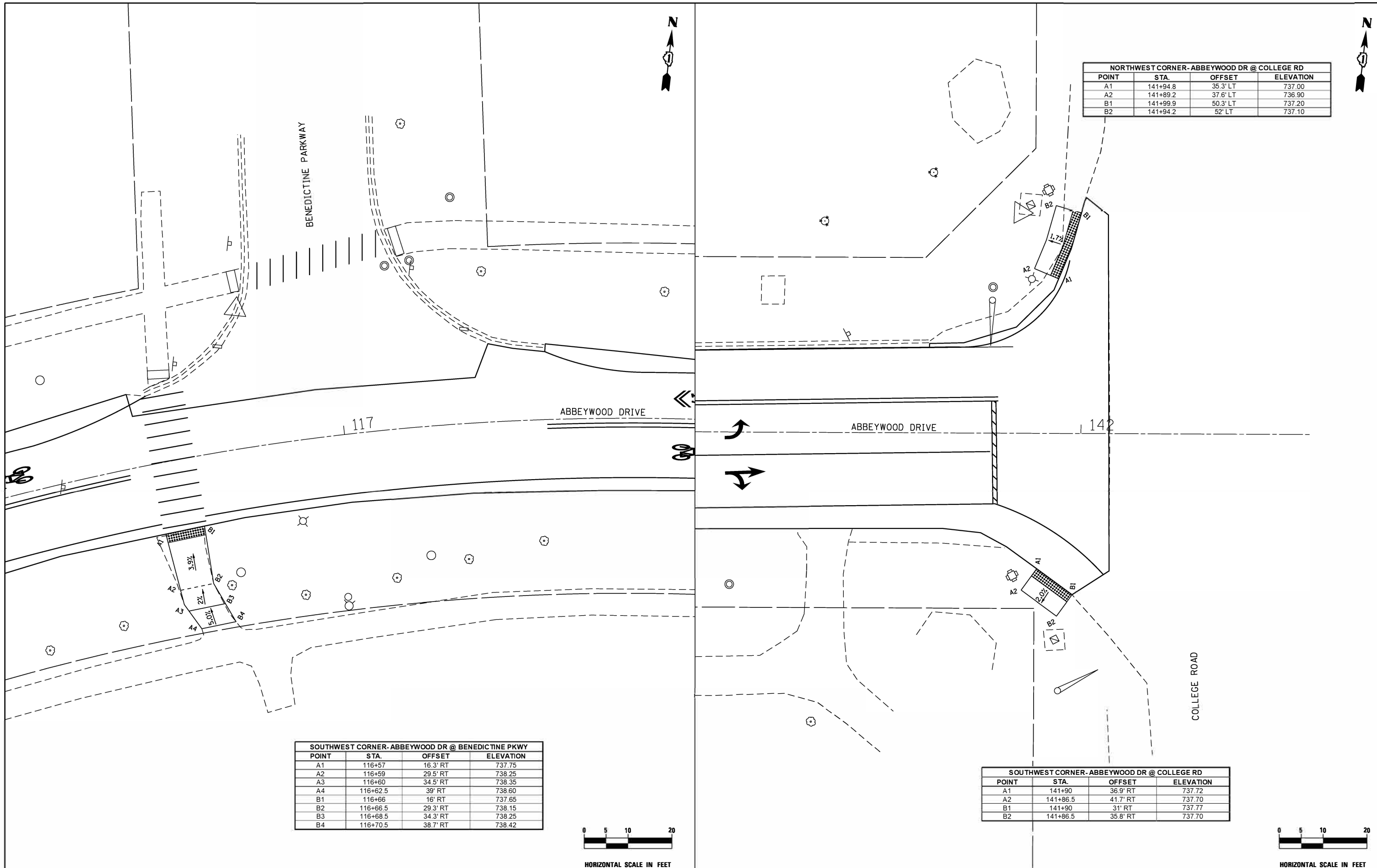
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PLOT SCALE = 28.0000' / 1"	DRAWN -	REVISED -
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	DATE -	REVISED -

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DEPARTMENT OF TRANSPORTATION

SIDEWALK PLANS  
ABBNEYWOOD DRIVE AND TYRNBURY DRIVE

SCALE: SHEET OF SHEETS STA. TO STA.

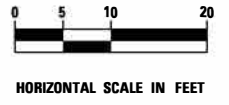
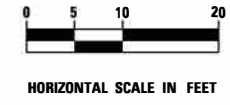
FAP 45007 4038	SECTION 19-00065-00-RS	COUNTY DuPAGE	TOTAL SHEETS 62	SHEET NO. 42
CONTRACT NO. 61G66				
ILLINOIS FED. AID PROJECT				



NORTHWEST CORNER- ABBEYWOOD DR @ COLLEGE RD			
POINT	STA.	OFFSET	ELEVATION
A1	141+94.8	35.3' LT	737.00
A2	141+89.2	37.6' LT	736.90
B1	141+99.9	50.3' LT	737.20
B2	141+94.2	52' LT	737.10

SOUTHWEST CORNER- ABBEYWOOD DR @ BENEDICTINE PKWY			
POINT	STA.	OFFSET	ELEVATION
A1	116+57	16.3' RT	737.75
A2	116+59	29.5' RT	738.25
A3	116+60	34.5' RT	738.35
A4	116+62.5	39' RT	738.60
B1	116+66	18' RT	737.65
B2	116+66.5	29.3' RT	738.15
B3	116+68.5	34.3' RT	738.25
B4	116+70.5	38.7' RT	738.42

SOUTHWEST CORNER- ABBEYWOOD DR @ COLLEGE RD			
POINT	STA.	OFFSET	ELEVATION
A1	141+90	36.9' RT	737.72
A2	141+86.5	41.7' RT	737.70
B1	141+90	31' RT	737.77
B2	141+86.5	35.8' RT	737.70



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	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**SIDEWALK PLANS**  
**ABBEEYWOOD DRIVE AND BENEDICTINE PARKWAY**  
**ABBEEYWOOD DRIVE AND COLLEGE ROAD**

SCALE: SHEET OF SHEETS STA. TO STA.

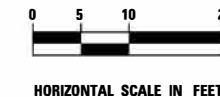
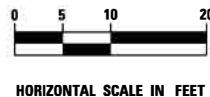
FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
45007/4038	19-00065-00-RS	DuPAGE	62	43
CONTRACT NO. 61G66				
ILLINOIS FED. AID PROJECT				

NORTHEAST CORNER- GREEN TRAILS DR			
POINT	STA.	OFFSET	ELEVATION
A1	214+94	20.8' LT	734.02
A2	214+90	28' LT	734.07
B1	215+03	20.8' LT	734.02
B2	215+03	29' LT	734.04

NORTHEAST CORNER- GREEN TRAILS DR @ GARDEN RD/TEALWOOD RD			
POINT	STA.	OFFSET	ELEVATION
A1	220+90.5	13.3' LT	733.40
A2	220+90	20' LT	733.57
B1	220+97	13' LT	733.47
B2	220+96.5	21' LT	733.47

SOUTHEAST CORNER- GREEN TRAIL DR			
POINT	STA.	OFFSET	ELEVATION
A1	215+16.6	20.8' RT	733.60
A2	215+22	27.1' RT	733.60
B1	215+23	17.5' RT	733.70
B2	215+27	22.8' RT	733.73

SOUTHEAST CORNER- GREEN TRAILS DR @ GARDEN RD/TEALWOOD RD			
POINT	STA.	OFFSET	ELEVATION
A1	219+94	15' RT	733.92
A2	219+95	30' RT	735.04
A3	219+96	35' RT	735.14
A4	219+96	40' RT	736.00
B1	220+02	15' RT	734.08
B2	220+02	30' RT	735.14
B3	220+02	35' RT	735.24
B4	220+03	40' RT	736.06



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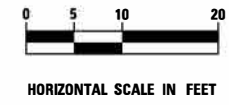
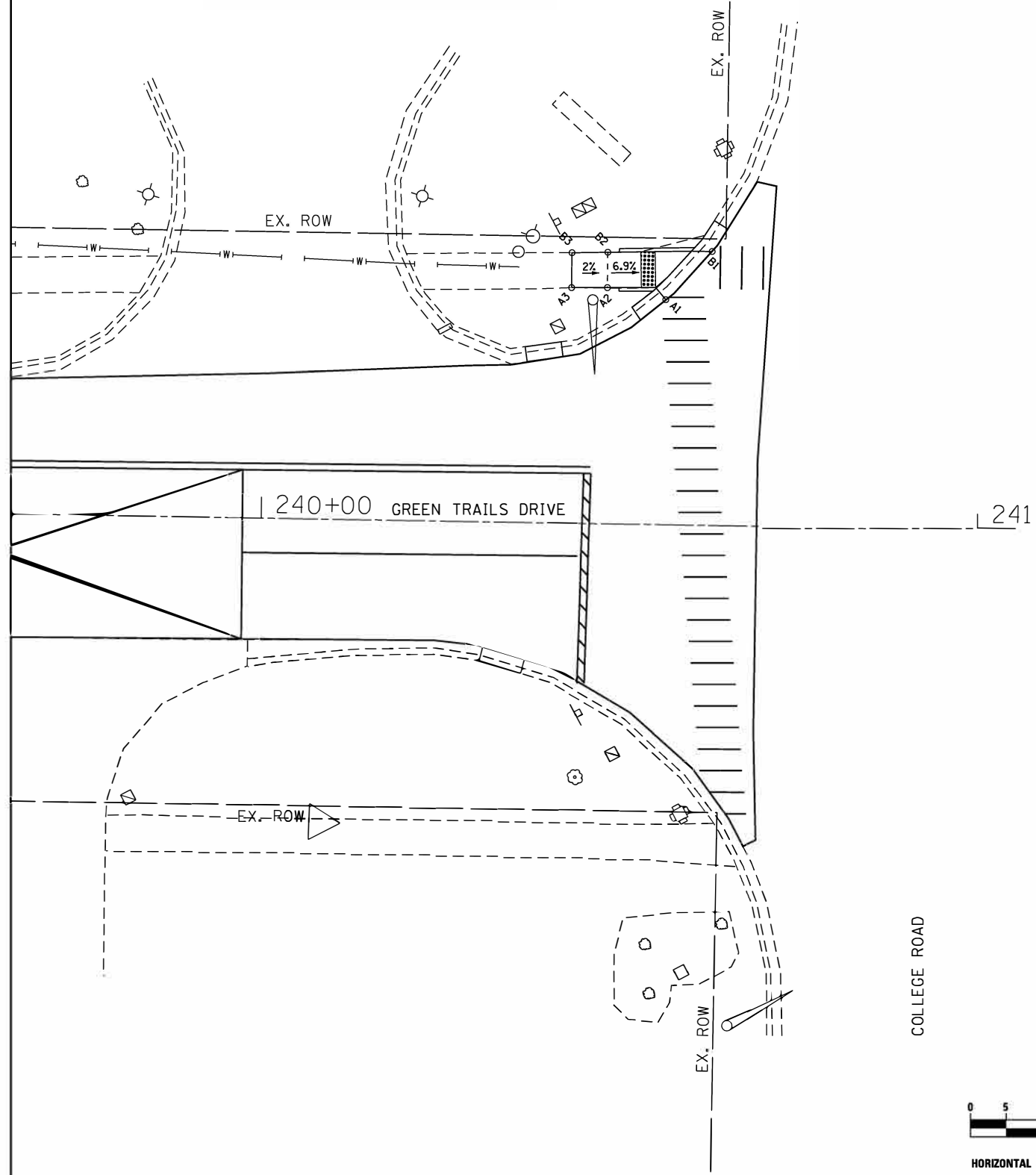
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**SIDEWALK PLANS**  
**GREEN TRAILS DRIVE AND DRIVEWAY**  
**GREEN TRAILS DRIVE AND TEALWOOD ROAD/GARDEN DRIVE**

SCALE: SHEET OF SHEETS STA. TO STA.

FAP 4500/ 4038	SECTION 19-00065-00-RS	COUNTY DuPAGE	TOTAL SHEETS 62	SHEET NO. 44
CONTRACT NO. 61G66				
ILLINOIS FED. AID PROJECT				

SOUTHEAST CORNER-GREEN TRAIL DR @ COLLEGE RD			
POINT	STA.	OFFSET	ELEVATION
A1	240+62.3	33' LT	759.02
A2	240+48	33' LT	759.50
A3	240+43	33' LT	759.60
B1	240+56	38' LT	759.12
B2	240+48	38' LT	759.54
B3	240+43	38' LT	759.64



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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**SIDEWALK PLANS**  
**GREEN TRAILS DRIVE AND COLLEGE ROAD**

FAP 45007 4038	SECTION 19-00065-00-RS	COUNTY	TOTAL SHEETS 62	SHEET NO. 45
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G66	

SCALE: SHEET OF SHEETS STA. TO STA.

**TRAFFIC SIGNAL NOTES**

THE REMOVAL AND REPLACEMENT OF SIDEWALK, DRIVEWAY, MEDIAN AND ISLAND SURFACE PAVING AT HANDHOLES, JACKING PITS AND INSPECTION OPENINGS SHALL BE SAW CUT AROUND THE AREA TO BE REMOVED. THE REMOVAL AND REPLACEMENT OF SIDEWALK, DRIVEWAY, MEDIAN AND ISLAND SURFACE PAVING WILL BE PAID FOR SEPARATELY. LANDSCAPE RESTORATION FOR PROPOSED SIDEWALK WILL BE PAID FOR SEPARATELY.

THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TRAFFIC SIGNAL SYSTEM. FOR LOCATION OF UTILITIES CALL J.U.L.I.E. TOLL FREE NUMBER 1-800-892-0123.

ALL SIGNAL POSTS AND MAST ARM POLES SHALL BE LOCATED WITH THEIR CENTERLINES A MINIMUM OF FOUR (4) FEET AND SIX (6) FEET RESPECTIVELY FROM THE BACK OF CURB UNLESS NOTED OR DIMENSIONED TO THE CONTRARY ON THE DRAWINGS. IN NON-CURBED AREAS THE MAST ARM POLE SHALL BE LOCATED A MINIMUM OF TEN (10) FEET BEHIND THE EDGE OF PAVEMENT OR TWO (2) FEET BEHIND THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER. SIGNAL POSTS SHALL BE PLACED AT A MINIMUM OF TWO (2) FEET BEHIND THE EDGE OF SHOULDER.

THE CONTRACTOR SHALL CONTACT THE DU PAGE COUNTY DIVISION OF TRANSPORTATION (830/407-6800) FOR TRAFFIC SIGNAL CABLE LOCATION, A MINIMUM OF 48 HOURS IN ADVANCE (SATURDAYS, SUNDAYS, AND HOLIDAYS EXCLUDED) AT ANY LOCATION WITHIN THE RIGHT-OF-WAY.

CONTACT THE DU PAGE COUNTY TRAFFIC SIGNAL COORDINATOR (830/407-6900) TO APPROVE LOCATIONS OF LOOPS, SIGNAL FOUNDATIONS AND SIGNAL HEADS.

LEAD WIRE AND DETECTOR LOOPS SHALL BE SAWCUT 4" DEEP INTO THE PAVEMENT WHERE BITUMINOUS SURFACE COURSE IS NOT A PART OF THE CONTRACT

ALL PRESENCE LOOPS SHALL BE EQUIPPED WITH AN INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT.

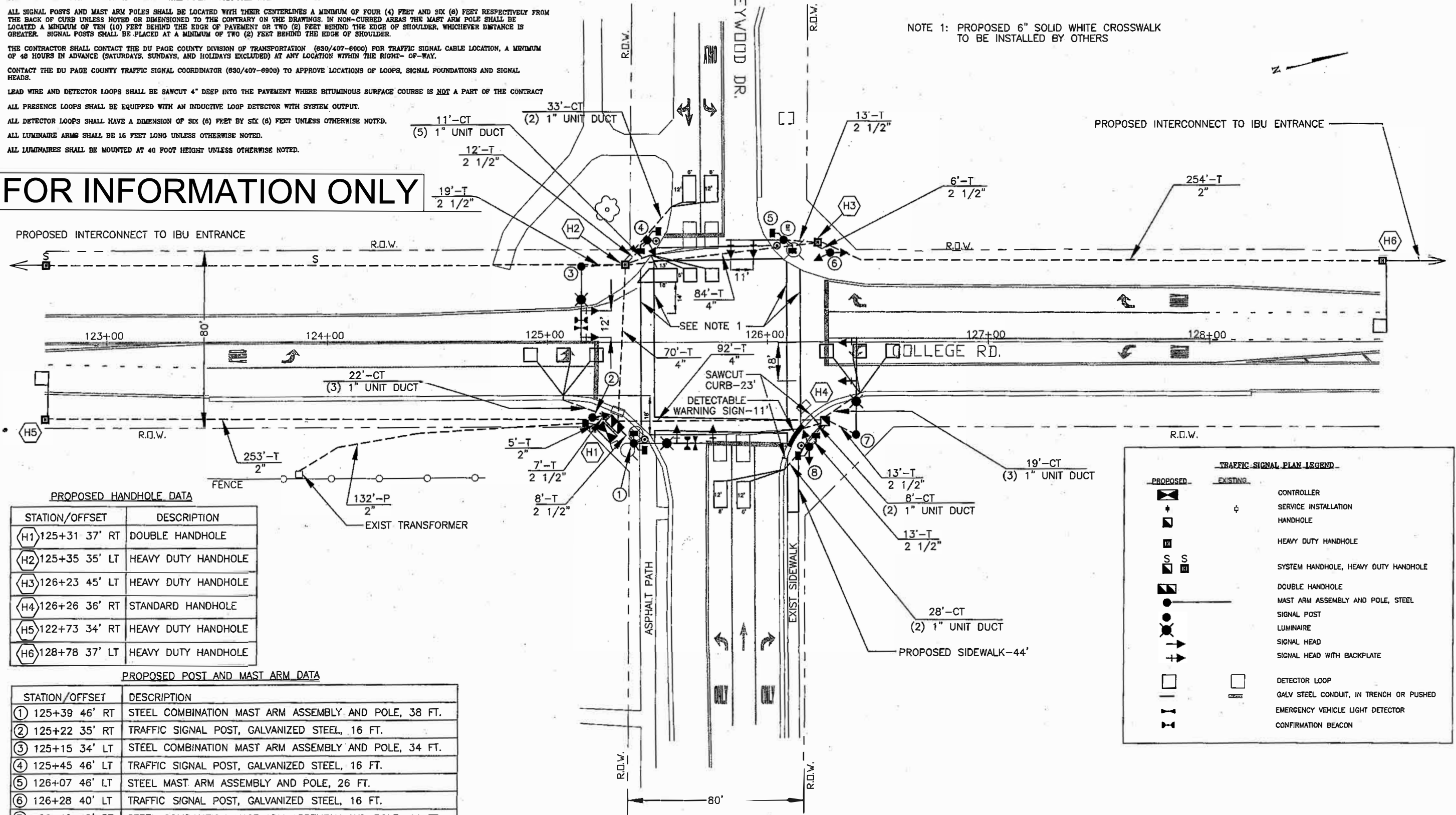
ALL DETECTOR LOOPS SHALL HAVE A DIMENSION OF SIX (6) FEET BY SIX (6) FEET UNLESS OTHERWISE NOTED.

ALL LUMINAIRE ARMS SHALL BE 16 FEET LONG UNLESS OTHERWISE NOTED.

ALL LUMINAIRES SHALL BE MOUNTED AT 40 FOOT HEIGHT UNLESS OTHERWISE NOTED.

NOTE 1: PROPOSED 6" SOLID WHITE CROSSWALK TO BE INSTALLED BY OTHERS

**FOR INFORMATION ONLY**



**PROPOSED HANDHOLE DATA**

STATION/OFFSET	DESCRIPTION
H1 125+31 37' RT	DOUBLE HANDHOLE
H2 125+35 35' LT	HEAVY DUTY HANDHOLE
H3 126+23 45' LT	HEAVY DUTY HANDHOLE
H4 126+26 36' RT	STANDARD HANDHOLE
H5 122+73 34' RT	HEAVY DUTY HANDHOLE
H6 128+78 37' LT	HEAVY DUTY HANDHOLE

**PROPOSED POST AND MAST ARM DATA**

STATION/OFFSET	DESCRIPTION
① 125+39 46' RT	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 38 FT.
② 125+22 35' RT	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.
③ 125+15 34' LT	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 34 FT.
④ 125+45 46' LT	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.
⑤ 126+07 46' LT	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.
⑥ 126+28 40' LT	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.
⑦ 126+40 42' RT	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 44 FT.
⑧ 126+19 47' RT	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.

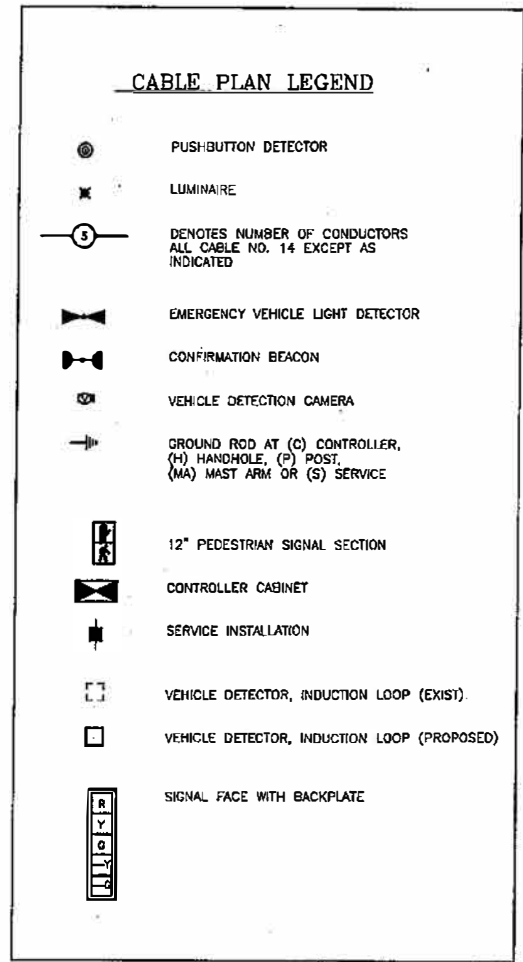
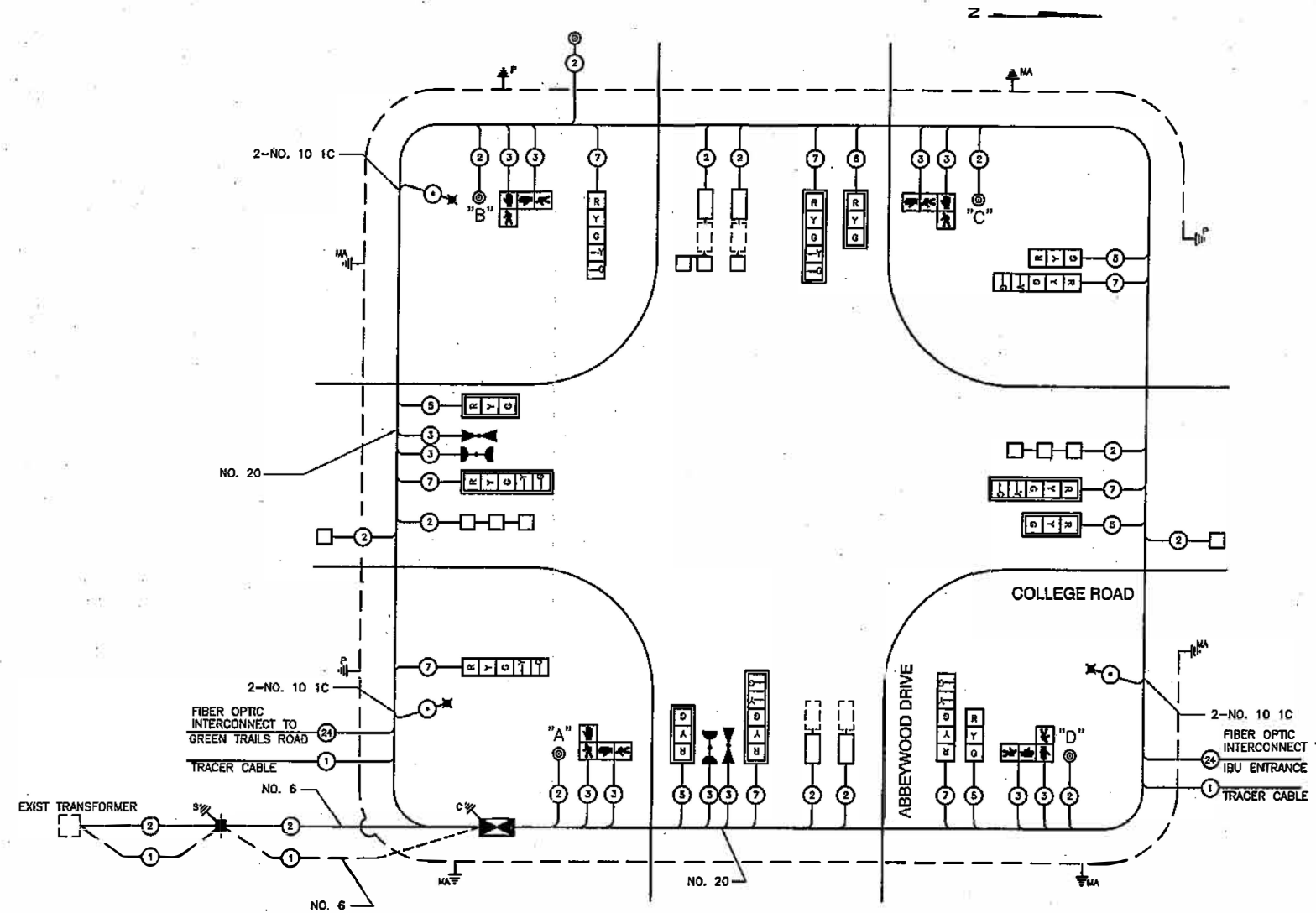
**TRAFFIC SIGNAL PLAN LEGEND**

PROPOSED	EXISTING	DESCRIPTION
[Symbol]	[Symbol]	CONTROLLER
[Symbol]	[Symbol]	SERVICE INSTALLATION
[Symbol]	[Symbol]	HANDHOLE
[Symbol]	[Symbol]	HEAVY DUTY HANDHOLE
[Symbol]	[Symbol]	SYSTEM HANDHOLE, HEAVY DUTY HANDHOLE
[Symbol]	[Symbol]	DOUBLE HANDHOLE
[Symbol]	[Symbol]	MAST ARM ASSEMBLY AND POLE, STEEL
[Symbol]	[Symbol]	SIGNAL POST
[Symbol]	[Symbol]	LUMINAIRE
[Symbol]	[Symbol]	SIGNAL HEAD
[Symbol]	[Symbol]	SIGNAL HEAD WITH BACKPLATE
[Symbol]	[Symbol]	DETECTOR LOOP
[Symbol]	[Symbol]	GALV STEEL CONDUIT, IN TRENCH OR PUSHED
[Symbol]	[Symbol]	EMERGENCY VEHICLE LIGHT DETECTOR
[Symbol]	[Symbol]	CONFIRMATION BEACON

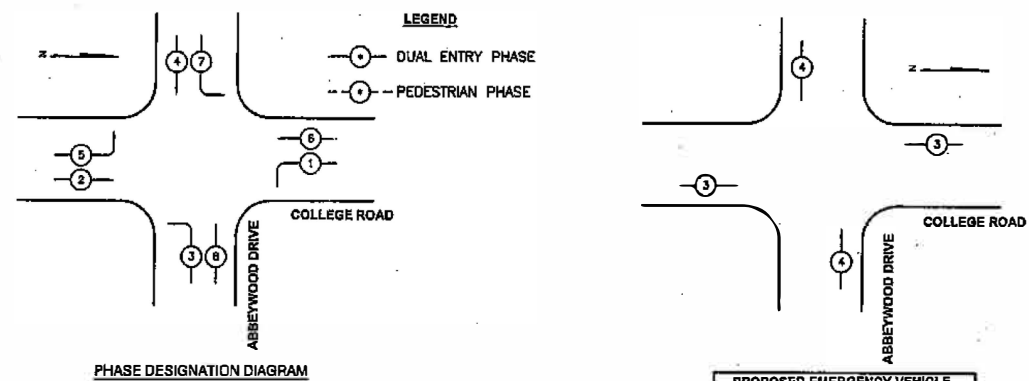
CABLE PLAN

SCHEDULE OF QUANTITIES

PAY CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITIES
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	80 FT	220
X006084	SAWCUT CURB	FOOT	23
42400800	DETECTABLE WARNINGS	50 FT	11
25200110	SODDING, SALT TOLERANT	SQ YD	11
26000400	NITROGEN FERTILIZER NUTRIENT	POUND	1
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1
81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	480
81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	160
81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	10
81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	116
81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	280
81400100	HANDHOLE	EACH	1
81400200	HEAVY DUTY HANDHOLE	EACH	4
81400300	DOUBLE HANDHOLE	EACH	1
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	650
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
86400100	TRANSCIVER-FIBER OPTIC	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	2285
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	1420
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 6C	FOOT	1160
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	1390
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PR	FOOT	385
87301806	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 8 2C	FOOT	245
X8730327	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 8 1C	FOOT	1070
X8730250	ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED	FOOT	340
X0324477	ELECTRIC CABLE IN CONDUIT, NO. 10 1/C	FOOT	1016
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	4
87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
87702800	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1
87702920	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	1
87702850	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	8
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	15
87800415	CONCRETE FOUNDATION, TYPE E 38-INCH DIAMETER	FOOT	45
88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	8
88500100	INDUCTIVE LOOP DETECTOR	EACH	16
88800100	DETECTOR LOOP, TYPE 1	FOOT	655
88700200	LIGHT DETECTOR	EACH	2
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1
88800100	PEDESTRIAN PUSH-BUTTON	EACH	4
89802376	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
88100400	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED	EACH	4
62102310	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 310 WATT	EACH	3
X8050010	SERVICE INSTALLATION-GROUND MOUNTED	EACH	1
X0324007	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1



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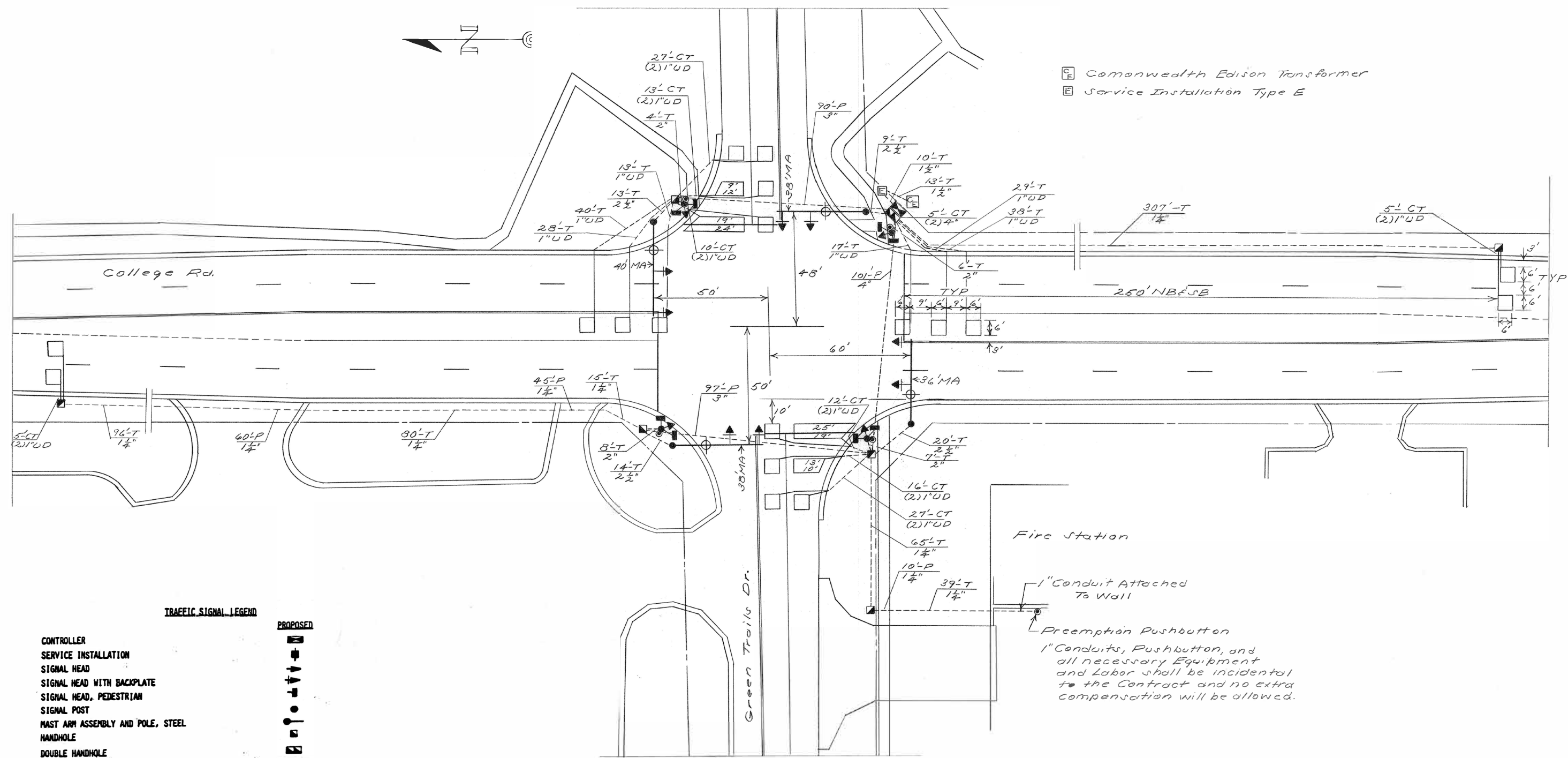
NOTE: PUSHBUTTON "A" SHALL PLACE CALLS IN PHASES 2 AND 4.  
 PUSHBUTTON "B" SHALL PLACE CALLS IN PHASES 4 AND 6.  
 PUSHBUTTON "C" SHALL PLACE CALLS IN PHASES 6 AND 8.  
 PUSHBUTTON "D" SHALL PLACE CALLS IN PHASES 2 AND 8.

TYPE	NO. LAMPS	WATTAGE		OPERATION (%)	TOTAL WATTAGE
		INCAND.	LED		
RED BALL	14	135	10	0.60	84
YELLOW BALL	14	135	22	0.03	9
GREEN BALL	14	135	12	0.37	62
RED ARROW	0	135	5	0.85	0
YELLOW ARROW	8	135	10	0.02	1.6
GREEN ARROW	8	135	5	0.13	5.2
PED-WALK	8	90	5	0.05	2
PED-DON'T WALK	8	90	6	0.95	45.6
CONTROLLER	1	100		1.00	100
LUMINAIRE	2	310		0.50	310
<b>TOTAL=</b>					<b>619</b>

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	15 (4.0)	MAST ARM (C) POLE	20'-L-2-
E - M. ARM POLE		SIGNAL POST	2 (1.0)	(6m+L-0.6m)=	
24" (600 mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
30" (750 mm)	15 (4.5)	FIBER OPTIC	13 (4.0)	PED. BUTTON	4 (1.2)
		ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)

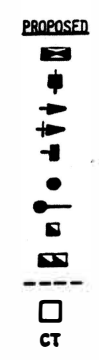
**FOR INFORMATION ONLY**

 Commonwealth Edison Transformer  
 Service Installation Type E



**TRAFFIC SIGNAL LEGEND**

- CONTROLLER
- SERVICE INSTALLATION
- SIGNAL HEAD
- SIGNAL HEAD WITH BACKPLATE
- SIGNAL HEAD, PEDESTRIAN
- SIGNAL POST
- MAST ARM ASSEMBLY AND POLE, STEEL
- HANDHOLE
- DOUBLE HANDHOLE
- G.S. CONDUIT IN TRENCH OR PUSHED
- DETECTOR LOOP
- COMMON TRENCH



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USER NAME = DonN	DESIGNED -	REVISED -
PLOT SCALE = 2.0000' / 1"	DRAWN -	REVISED -
PLOT DATE = 11/4/2020	CHECKED -	REVISED -
	DATE -	REVISED -

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

**TRAFFIC SIGNAL PLANS**  
**GREEN TRAIL DRIVE AND COLLEGE ROAD**

SCALE: SHEET OF SHEETS STA. TO STA.

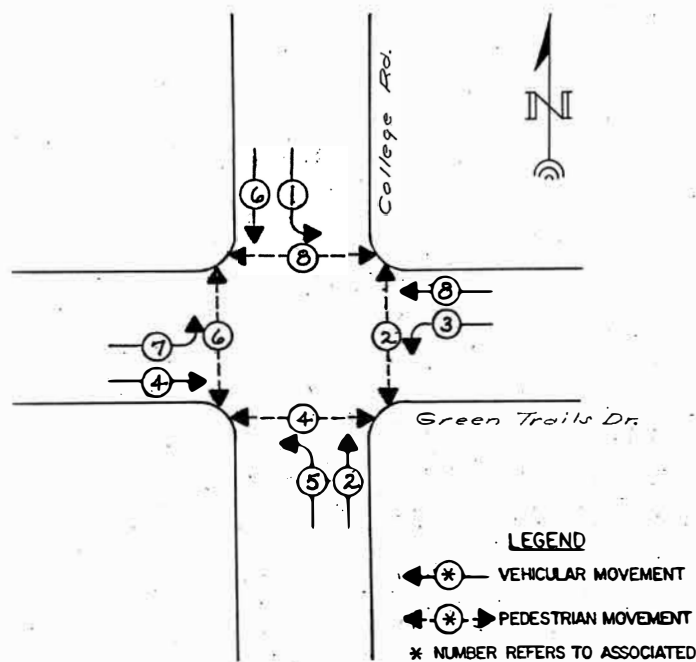
FAP 4500/ 4038	SECTION 19-00065-00-RS	COUNTY DuPAGE	TOTAL SHEETS 62	SHEET NO. 48
CONTRACT NO. 61G66				

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**CONTROLLER SEQUENCE IV**

REFERRING TO STANDARD 2393; THE VEHICULAR AND PEDESTRIAN PHASES USED ARE DESIGNATED BELOW.



**PHASE DESIGNATION DIAGRAM**

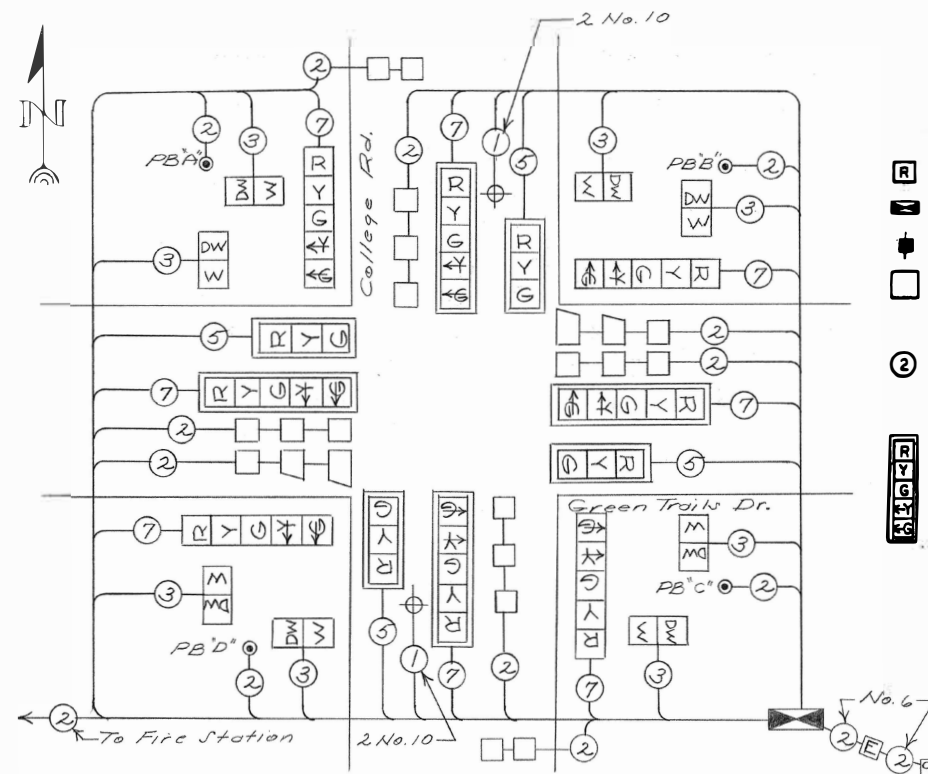
PUSHBUTTON A SHALL PLACE CALLS IN PHASES 6 + 8  
 PUSHBUTTON B SHALL PLACE CALLS IN PHASES 2 + 8  
 PUSHBUTTON C SHALL PLACE CALLS IN PHASES 2 + 4  
 PUSHBUTTON D SHALL PLACE CALLS IN PHASES 4 + 6

**E/B FIRE LANE SEQUENCE FOR CONTROLLER SEQUENCE IV**



**NOTES:**

1. TERMINATION OF PHASES 1 + 5 OR 3 + 7 SHALL BE WITH A YELLOW ARROW DISPLAYED TOGETHER WITH A CIRCULAR RED FOLLOWED BY FIRE LANE 1.
2. TERMINATION OF PHASES 1 + 6, 2 + 5, 2 + 6, 3 + 8, 4 + 7, OR 4 + 8 SHALL BE WITH A CIRCULAR YELLOW DISPLAY FOLLOWED BY THE FIRE LANE 1.
3. TERMINATION OF FIRE INTERVAL 1 SHALL BE WITH A CIRCULAR YELLOW WHEN TRANSFERRING TO THE CROSS STREET PHASES 1 + 5.
4. TERMINATION OF ALL PEDESTRIAN INTERVALS SHALL INCLUDE A FULL FLASHING "DON'T WALK" CLEARANCE INTERVAL.
5. IF ALL RED CLEARANCE IS USED IN THE NORMAL SEQUENCE OF OPERATIONS, IT MUST BE DISPLAYED AFTER THE YELLOW CLEARANCE INTERVAL WHEN LEAVING THE FIRE LANE SEQUENCE.



**CABLE PLAN**

*Schematic  
(Not to Scale)*

- CABLE PLAN LEGEND**
- R 12" TRAFFIC SIGNAL SECTION
  - C CONTROLLER CABINET
  - S SERVICE INSTALLATION
  - V VEHICLE DETECTOR, INDUCTION LOOP
  - ② DENOTES NUMBER OF CONDUCTORS (NEW)
  - ② ALL LOOP DETECTOR CABLE TO BE SHIELDED. ALL CABLE NO. 14 EXCEPT AS INDICATED.
  - R SIGNAL FACE WITH BACKPLATE

**SCHEDULE OF QUANTITIES**

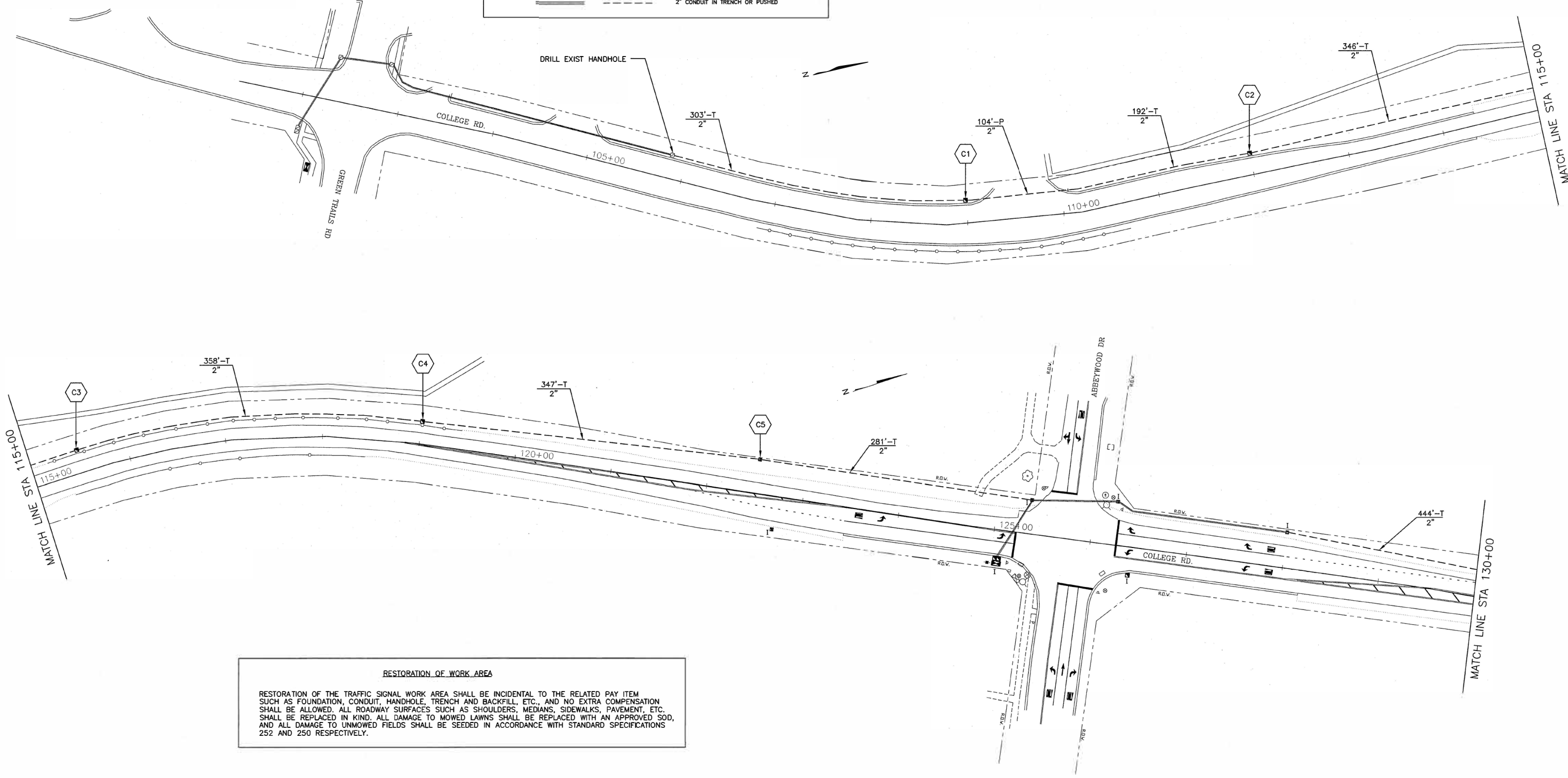
4 EACH 4 EACH 4 EACH 4 EACH 8 EACH 4 EACH 1 EACH 2 EACH 1 EACH 1 EACH 8 EACH 980 LIN.FT. 4 EACH 602 LIN.FT. 23 LIN.FT. 25 LIN.FT. 56 LIN.FT. 10 LIN.FT. 115 LIN.FT. 187 LIN.FT. 101 LIN.FT. 395 LIN.FT. 27 LIN.FT. 1,178 LIN.FT. 753 LIN.FT. 1,036 LIN.FT. 621 LIN.FT. 1,211 LIN.FT. 1,471 LIN.FT. 1 EACH 12 LIN.FT. 3.5 LIN.FT. 60 LIN.FT. 6 EACH 1 EACH 716 LIN.FT. 4 EACH	SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED PEDESTRIAN SIGNAL HEAD, 2-FACE, BRACKET MOUNTED TRAFFIC SIGNAL BACKPLATE, LOUVERED TRAFFIC SIGNAL POST, FERROUS 16" STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT. 10 FT. LUMINAIRE MAST ARM 35 FT. MOUNTING HEIGHT STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT. 10 FT. LUMINAIRE MAST ARM 35 FT. MOUNTING HEIGHT STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT. 10 FT. LUMINAIRE MAST ARM 35 FT. MOUNTING HEIGHT FULL-ACTUATED CONTROLLER, STANDARD SEQUENCE IV, 8 PHASES, IN TYPE IV CABINET INDUCTION LOOP DETECTOR AMPLIFIER DETECTOR LOOP, TYPE I PEDESTRIAN PUSHBUTTON GALVANIZED STEEL CONDUIT IN TRENCH 1-1/4" GALVANIZED STEEL CONDUIT IN TRENCH 1-1/2" GALVANIZED STEEL CONDUIT IN TRENCH 2" GALVANIZED STEEL CONDUIT IN TRENCH 2-1/2" GALVANIZED STEEL CONDUIT IN TRENCH 4" GALVANIZED STEEL CONDUIT, PUSHED 1-1/4" GALVANIZED STEEL CONDUIT, PUSHED 3" GALVANIZED STEEL CONDUIT, PUSHED 4" UNIT DUCT, WITHOUT CABLE IN TRENCH 1" ELECTRIC CABLE IN CONDUIT NO. 6 2/C ELECTRIC CABLE IN CONDUIT NO.10 1/C ELECTRIC CABLE IN CONDUIT NO.14 2/C ELECTRIC CABLE IN CONDUIT NO.14 3/C ELECTRIC CABLE IN CONDUIT NO.14 5/C ELECTRIC CABLE IN CONDUIT NO.14 7/C ELECTRIC CABLE IN CONDUIT NO.14 2/C TWISTED, SHIELDED SERVICE INSTALLATION, TYPE E CONCRETE FOUNDATION, TYPE A CONCRETE FOUNDATION, TYPE D CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER CONCRETE HANDHOLE CONCRETE DOUBLE HANDHOLE TRENCH AND BACKFILL LUMINAIRE HIGH PRESSURE SODIUM VAPOR 310 WATT TYPE M-400A CUTOFF
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FOR INFORMATION ONLY

**INTERCONNECT PLAN LEGEND**

EXISTING	PROPOSED	
		STANDARD HANDHOLE
		INTERSECTION HANDHOLE
		HEAVY DUTY HANDHOLE
		DOUBLE HANDHOLE
		CONTROLLER CABINET
		2" CONDUIT IN TRENCH OR PUSHED

FOR INFORMATION ONLY



**RESTORATION OF WORK AREA**

RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

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aurora, illinois 60504  
phone: 855-533-1700

USER NAME = DonN	DESIGNED -	REVISED -
PLOT SCALE = 2.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 11/4/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INTERCONNECT PLANS  
COLLEGE ROAD**

SCALE: SHEET OF SHEETS STA. TO STA.

FAP 4500/ 4038	SECTION 19-00065-00-R5	COUNTY DUPAGE	TOTAL SHEETS 62	SHEET NO. 50
CONTRACT NO. 61G66				
ILLINOIS FED. AID PROJECT				

PHASE	PROPOSED SEQUENCE OF OPERATION												F L A S H					
	1+5	2+5	2+6	3+5	3+6	4+8	1+5	2+5	2+6	3+5	3+6	4+8						
MOVEMENT	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→	←	→
CHANGE TO:	1+5	2+5	2+6	3+5	3+6	4+8	1+5	2+5	2+6	3+5	3+6	4+8	1+5	2+5	2+6	3+5	3+6	4+8
INTERVAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
NAPER BLVD NB	R	R	R	R	G	R	R	R	R	G	Y	R	R	R	R	R	R	R
NAPER BLVD SB	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
GREEN TRAILS EB	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R
GREEN TRAILS WB	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
NORTH CROSSWALK GREEN TRAILS	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN
SOUTH CROSSWALK GREEN TRAILS	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN
NAPER BLVD	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN	DN

- NOTE:
- 1) AN 8 PHASE CONTROLLER SHALL BE INSTALLED, AS SPECIFIED.
  - 2) PHASES 1+6, 2+5, AND 2+6 SHALL NOT CLEAR TO PHASE 1+5.
  - 3) PHASE 2+6 SHALL BE SET TO MIN. CLEAR.
  - 4) SET WALK TO "BEST" FOR PED. CROSSING GREEN TRAILS (WEST SIDE OF NAPER BLVD)

**CONSTRUCTION NOTES:**

- 1) REMOVE EXISTING 16' TRAFFIC SIGNAL POST, INSTALL NEW 18' TRAFFIC SIGNAL POST ON EXISTING FOUNDATION AND RELOCATE EXISTING TRAFFIC SIGNAL HEAD TO NEW POST. REUSE EXISTING CABLES. INSTALL NEW LIGHT DETECTOR ON NEW POST AND INSTALL NO. 20 3/C AND NO. 14 3/C CABLES.

**REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH 1**

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, 16 FT.

**GREEN TRAILS / NAPER BLVD. CONSTRUCTION NOTES**

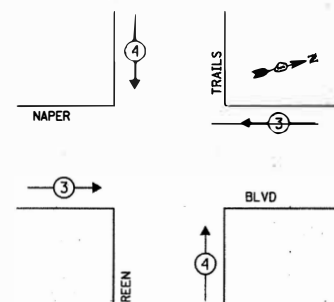
- 1) ALL ELECTRIC CABLES THAT ARE FURNISHED BY THE CONTRACTOR SHALL BE PROTECTED BY POLYETHYLENE INSULATION WITH A POLYVINYLCHLORIDE JACKET. SERVICE CABLE MAY HAVE AN XLP JACKET.
- 2) THE REMOVAL AND REPLACEMENT OF SIDEWALK, DRIVEWAY, MEDIAN AND ISLAND SURFACE PAVING AT HANDHOLES, JACKING PITS, INSPECTION OPENINGS AND CONCRETE JUNCTION BOXES SHALL BE SAW CUT AROUND THE AREA TO BE REMOVED. THE REMOVAL AND REPLACEMENT OF SIDEWALK, DRIVEWAY, MEDIAN AND ISLAND SURFACE PAVING WILL BE PAID FOR SEPARATELY.
- 3) THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TRAFFIC SIGNAL. FOR LOCATION OF UTILITIES CALL J.U.L.I.E. TOLL FREE NUMBER 600-892-0123, AND CITY MAINTAINED TRAFFIC SIGNALS 312-287-7600.
- 4) ALL SIGNAL POSTS AND MAST ARM POLES SHALL BE LOCATED WITH THEIR CENTERLINES A MINIMUM OF 4 AND 6 FEET RESPECTIVELY FROM THE FACE OF CURB, OR ADJUTED TO SIDEWALK, UNLESS NOTED OR DIMENSIONED TO THE CONTRARY ON THE DRAWINGS. IN NON-CURBED AREAS, THE MAST ARM POLE SHALL BE LOCATED A MINIMUM OF 10 FEET BEHIND THE EDGE OF PAVEMENT OR 2 FEET BEHIND THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER. SIGNAL POSTS SHOULD BE PLACED AT A MINIMUM OF 2 FEET BEHIND THE EDGE OF SHOULDER.
- 5) THE CONTRACTOR SHALL MARK LOCATIONS OF ALL DETECTOR LOOPS AND CONTACT THE ENGINEER 312-673-6850 FOR LOCATION APPROVAL PRIOR TO THE CUTTING OF THE LOOPS.
- 6) FOUNDATION AND HANDHOLE LOCATIONS ARE APPROXIMATE, SUBJECT TO UTILITY CLEARANCE.
- 7) DIMENSIONS ARE TO FACE OF CURB WHERE APPROPRIATE.
- 8) THE TEMPORARY SIGNALS MAY BE SHUT DOWN BRIEFLY DURING OFFPEAK WEEKDAY CONSTRUCTION PERIODS (BETWEEN 10:00 AND 15:00 HOURS), IF 36 INCH STOP SIGNS ARE PROVIDED. LOCAL POLICE AGENCIES SHALL BE NOTIFIED AT LEAST 24 HOURS IN ADVANCE, IF THE SHUTDOWN IS TO EXCEED ONE HOUR.
- 9) THE CONTRACTOR SHALL OBTAIN CITY AND COUNTY APPROVAL FOR ALL TRAFFIC SIGNAL EQUIPMENT TO BE INSTALLED.
- 10) THE EXISTING N.E.D. TYPE IB SERVICE FOR THE TEMPORARY SIGNALS SHALL BE USED FOR THE PROPOSED TRAFFIC SIGNAL. SEE THE SPECIAL PROVISIONS

**SCHEDULE OF QUANTITIES**

CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	310
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3/C	FOOT	448
ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	930
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	4
DRILL EXISTING HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
LIGHT DETECTOR	EACH	3
LIGHT DETECTOR AMPLIFIER	EACH	1
RELOCATE EXISTING SIGNAL HEAD	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	310
PARKWAY RESTORATION	SO YD	164

INSTALLATION OF EMERGENCY VEHICLE PREEMPTION 3-25-02

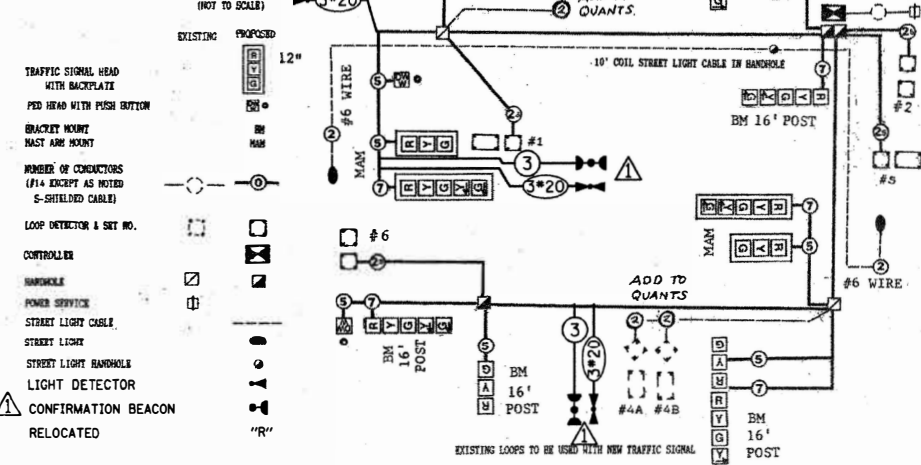
**PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**PROPOSED EMERGENCY VEHICLE PREEMPTION**

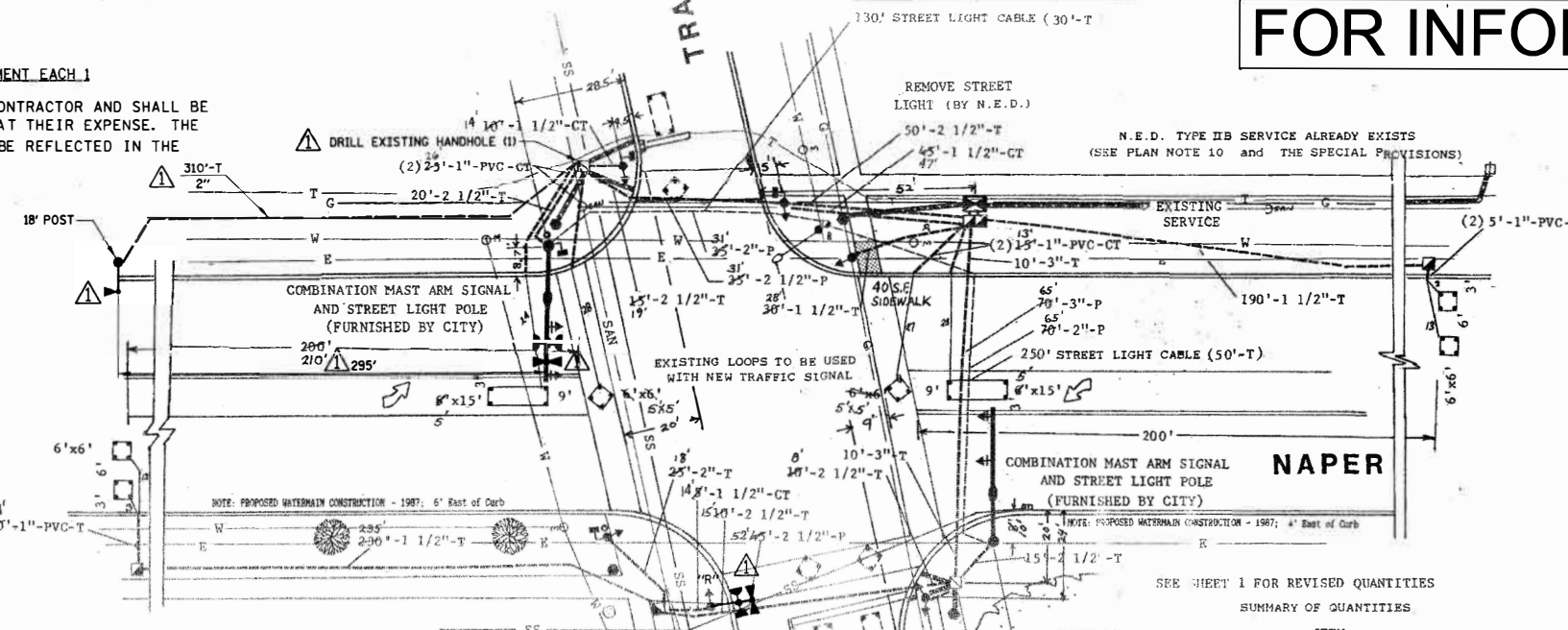
EMERGENCY VEHICLE PREEMPTION	3	4
MOVEMENT	←	→

**SIGNAL HEAD AND CABLE PLAN (NOT TO SCALE)**



- TRAFFIC SIGNAL HEAD WITH BACKPLATE  
 PED HEAD WITH PUSH BUTTON  
 BRACKET MOUNT MAST ARM MOUNT  
 NUMBER OF CONDUCTORS (#14 EXCEPT AS NOTED S-SHIELDED CABLE)  
 LOOP DETECTOR & SET NO.  
 CONTROLLER  
 HANDHOLE  
 POWER SERVICE  
 STREET LIGHT CABLE  
 STREET LIGHT  
 STREET LIGHT HANDHOLE  
 LIGHT DETECTOR  
 CONFIRMATION BEACON  
 RELOCATED

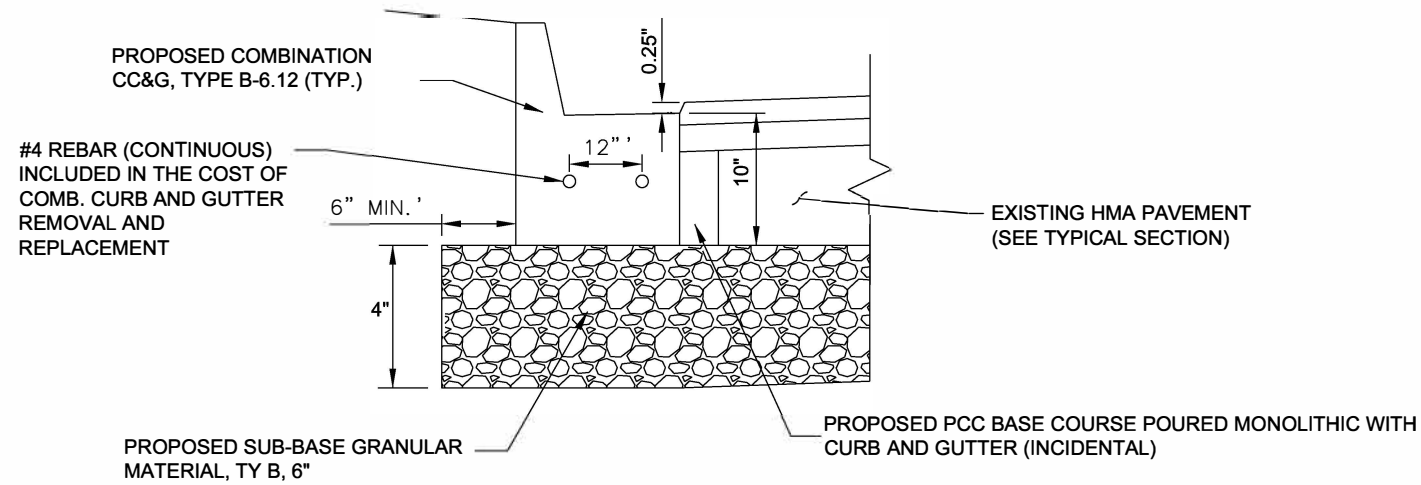
**FOR INFORMATION ONLY**



**TRAFFIC SIGNAL LEGEND**

- EXISTING**
- CURB
  - RIGHT-OF-WAY LINE
  - CONTROLLED
  - SIGNAL POST WITH HEAD
  - PEDESTRIAN SIGNAL HEAD
  - COMBINATION MAST ARM/STREET LIGHT
  - HANDHOLE
  - DOUBLE HANDHOLE
  - ELECTRIC CABLE IN G.S. CONDUIT
  - ELECTRIC CABLE IN PLASTIC CONDUIT
  - CONDUIT (T-TRENCH, CT-COMMON TRENCH, P-PUSH)
  - LOOP DETECTOR
  - SERVICE INSTALLATION
  - STREET LIGHT
  - WOOD POLE
  - STORM SEWER INLET
  - WATER
  - STORM SEWER
  - SANITARY SEWER
  - ELECTRIC
  - GAS
  - TELEPHONE
  - REMOVE (BY N.E.D.)
  - TEMP. WOOD SIGNAL POLE
  - STREET LIGHT CABLE
  - STREET LIGHT HANDHOLE
  - LIGHT DETECTOR
  - CONFIRMATION BEACON
  - RELOCATED
- PROPOSED**
- TRAFFIC SIGNAL POST WITH HEAD
  - PEDESTRIAN SIGNAL HEAD
  - COMBINATION MAST ARM/STREET LIGHT
  - HANDHOLE
  - DOUBLE HANDHOLE
  - ELECTRIC CABLE IN G.S. CONDUIT
  - ELECTRIC CABLE IN PLASTIC CONDUIT
  - CONDUIT (T-TRENCH, CT-COMMON TRENCH, P-PUSH)
  - LOOP DETECTOR
  - SERVICE INSTALLATION
  - STREET LIGHT
  - WOOD POLE
  - STORM SEWER INLET
  - WATER
  - STORM SEWER
  - SANITARY SEWER
  - ELECTRIC
  - GAS
  - TELEPHONE
  - REMOVE (BY N.E.D.)
  - TEMP. WOOD SIGNAL POLE
  - STREET LIGHT CABLE
  - STREET LIGHT HANDHOLE
  - LIGHT DETECTOR
  - CONFIRMATION BEACON
  - RELOCATED

**AS BUILT PLANS**



**DETAIL A: COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12**

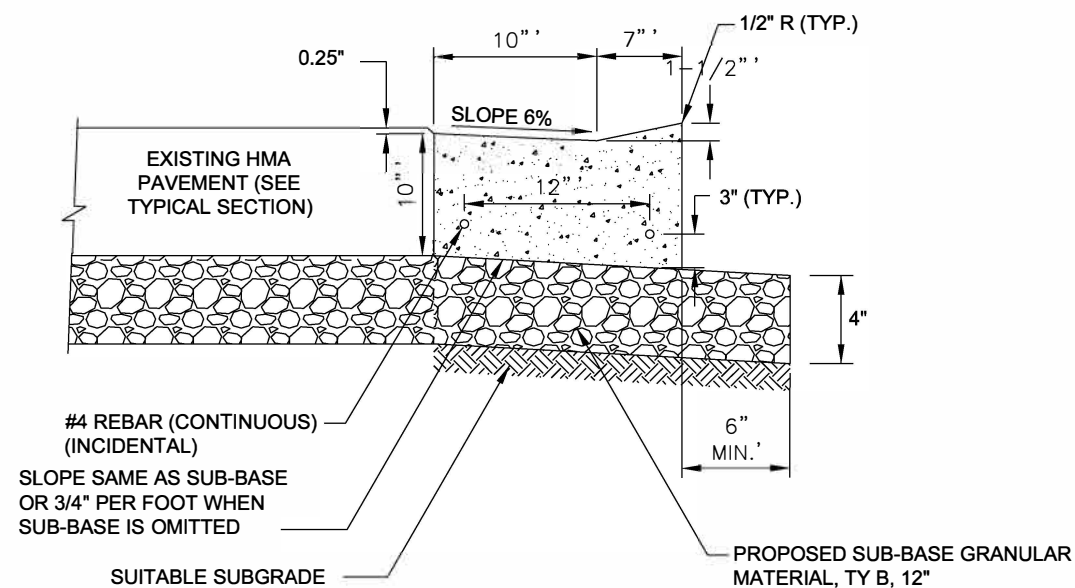
NOT TO SCALE

**COMBINATION CONCRETE CURB AND GUTTER REQUIREMENTS**

1. TWO NO. 4 REINFORCEMENT BARS SHALL BE INSTALLED CONTINUOUSLY IN ALL CURB AND GUTTER.
2. WHEN CURB AND GUTTER IS CONSTRUCTED ADJACENT TO EXISTING PAVEMENT, THE VERTICAL THICKNESS OF THE GUTTER FLAG SHALL BE 9" OR EQUAL TO THE THICKNESS OF THE ADJACENT PAVEMENT, WHICHEVER IS GREATER. ALSO, TIE BARS SHALL BE OMITTED.
3. DRAINAGE OPENINGS - AT ALL LOCATIONS WHERE METAL CASTINGS ARE TO BE INCORPORATED IN THE CURB AND GUTTER, A 1" THICK PREFORMED JOINT FILLER, CONFORMING TO THE CROSS SECTIONS OF THE CURB AND GUTTER, SHALL BE INSTALLED IN THE CURB AND GUTTER A DISTANCE OF 5FT FROM EACH SIDE OF THE METAL CASTING.
4. TRANSITIONS - THE TRANSITION FROM FULL HEIGHT CURB TO DEPRESSED CURB SHALL BE MADE AT THE RATE OF 2" PER FOOT OF LENGTH OR FLATTER.
5. JOINTS - IN ADDITION TO THE REQUIREMENT OF HIGHWAY STANDARD 606001 AND ARTICLE 606.06 OF THE STANDARD SPECIFICATIONS, JOINTS SHALL BE CONSTRUCTED AS FOLLOWS:

CONSTRUCTION JOINTS AND EXPANSION JOINTS SHALL BE INSTALLED IN THE CURB AND GUTTER IN PROLONGATION WITH JOINTS IN ADJACENT P.C.C. PAVEMENT OR BASE COURSE.

ALL EXPANSION JOINTS SHALL BE PROVIDED WITH A 1 1/4" DIA. X 18" COATED SMOOTH DOWEL BAR CONFORMING TO ARTICLE 1006.11(b) OF THE STANDARD SPECIFICATIONS. THE DOWEL BAR SHALL BE FITTED WITH A CAP HAVING A PINCHED STOP THAT WILL PROVIDE 1" OF EXPANSION.



**NOTES:**

1. THE TOP OF CURB SHALL BE DEPRESSED WHERE THE CURB AND GUTTER IS CONSTRUCTED ACROSS ALLEYS, DRIVEWAY, AND SIDEWALKS AS DETAILED IN THE PLANS OR WHERE DIRECTED BY THE ENGINEER OR PUBLIC WORKS DEPARTMENT.

**DETAIL B: DEPRESSED CURB FOR INTERSECTIONS**

NOT TO SCALE

**NOTES:**

DETECTABLE WARNING TILES SHALL ALIGN WITH THE CROSSWALK STRIPES OR STREET CROSSING. IF FIELD CONDITIONS PROHIBIT THIS, TILE ALIGNMENT SHALL BE AT THE DISCRETION OF THE ENGINEER.

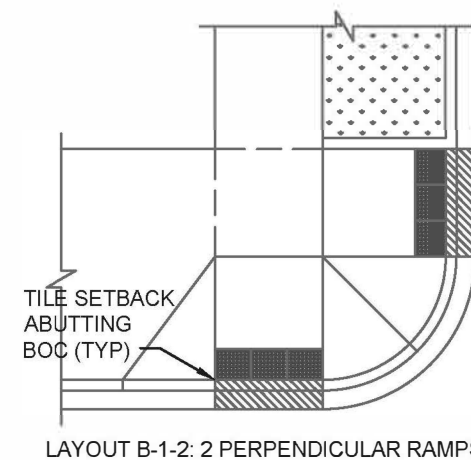
CURB RAMP LAYOUT B-1-2 IS PREFERRED WHENEVER POSSIBLE. WHERE RAMPS ARE LOCATED IN THE CORNER RADIUS, LAYOUT B-1-3 SHALL BE USED.

CURB RAMP PLACEMENT SHALL BE COORDINATED AS REQUIRED TO ALLOW FOR A 4' MINIMUM WIDTH SIDEWALK AROUND EACH CORNER OF INTERSECTION. SIDEWALK NOT TO BE OBSTRUCTED BY CURB RAMPS OR OTHER BARRIERS AND SHALL HAVE A CROSS SLOPE OF 1:50 MAXIMUM (2%).

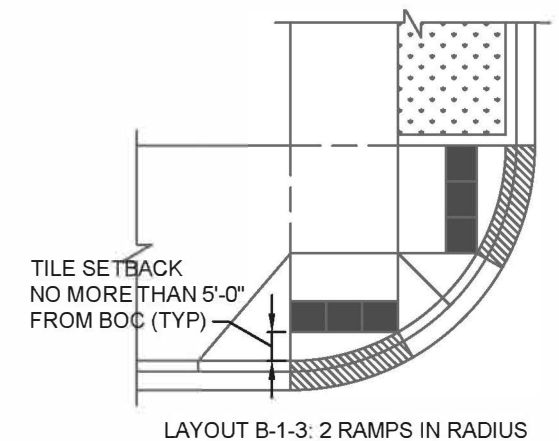
THE BLENDED TRANSITION LAYOUT B-1-7 (AND SIMILAR) MAY BE USED WHERE TWO RAMPS ARE NOT POSSIBLE DUE TO GEOMETRIC CONSTRAINTS SUCH AS LIMITED SIDEWALK WIDTH OR GRADE ELEVATIONS. THE BLENDED TRANSITION SHALL NOT BE USED IF ACCESS TO AN EXISTING FACILITY WOULD BE REDUCED.

THE SHARED PERPENDICULAR RAMP AT CORNER LAYOUT B-1-10 IS NOT PREFERRED AND MAY ONLY BE USED WITH PERMISSION FROM THE ENGINEER.

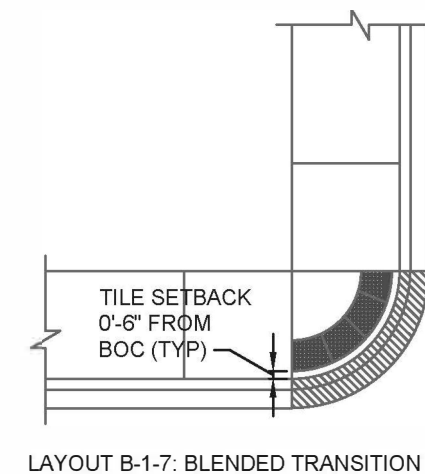
WHERE APPLICABLE, RADIAL TILES MAY BE REQUIRED. IF USING RADIAL TILES, THE CONTRACTOR SHALL VERIFY THAT THE CURB RADIUS MATCHES THE AVAILABLE TILE RADII WITH THE TILE MANUFACTURER. CONTRACTOR MUST MAKE THIS DETERMINATION AND VERIFY IN THE FIELD.



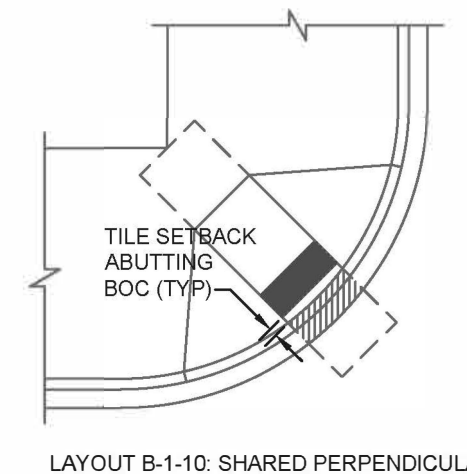
LAYOUT B-1-2: 2 PERPENDICULAR RAMPS



LAYOUT B-1-3: 2 RAMPS IN RADIUS



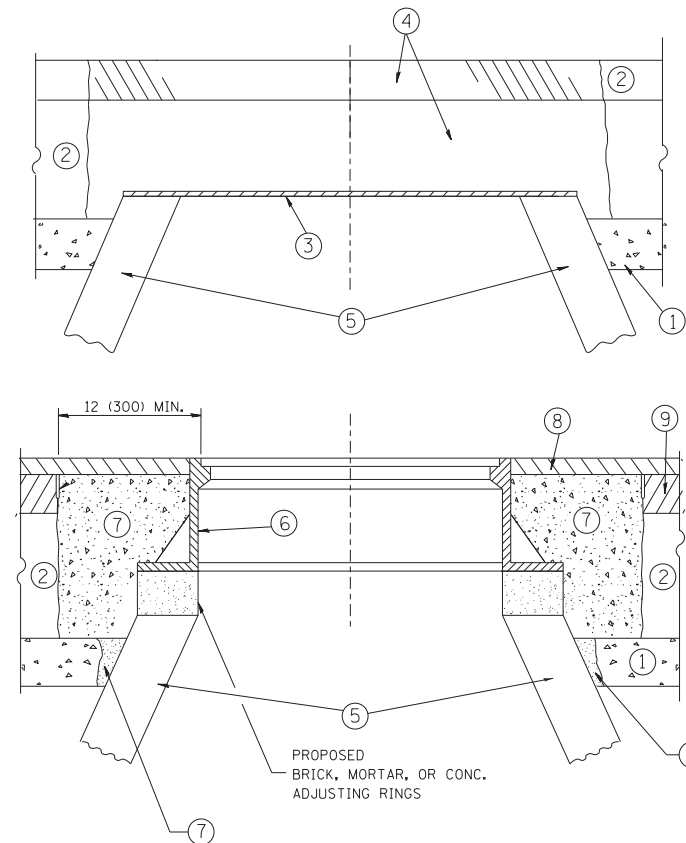
LAYOUT B-1-7: BLENDED TRANSITION



LAYOUT B-1-10: SHARED PERPENDICULAR RAMP AT CORNER

USER NAME = DonN	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 2.0000' / 1in.	CHECKED -	REVISED -
PLOT DATE = 11/4/2020	DATE -	REVISED -

FAP 4500/ 4038	SECTION 19-00065-00-RS	COUNTY DuPAGE	TOTAL SHEETS 62	SHEET NO. 52
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61G66	



**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

**STAGE 2 (AFTER PAVEMENT MILLING)**

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1\* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

\* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

**LEGEND**

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS PP-1\* CONCRETE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

**LOCATION OF STRUCTURES:**

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

**BASIS OF PAYMENT:**

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

**NOTES:**

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

**DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING**

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

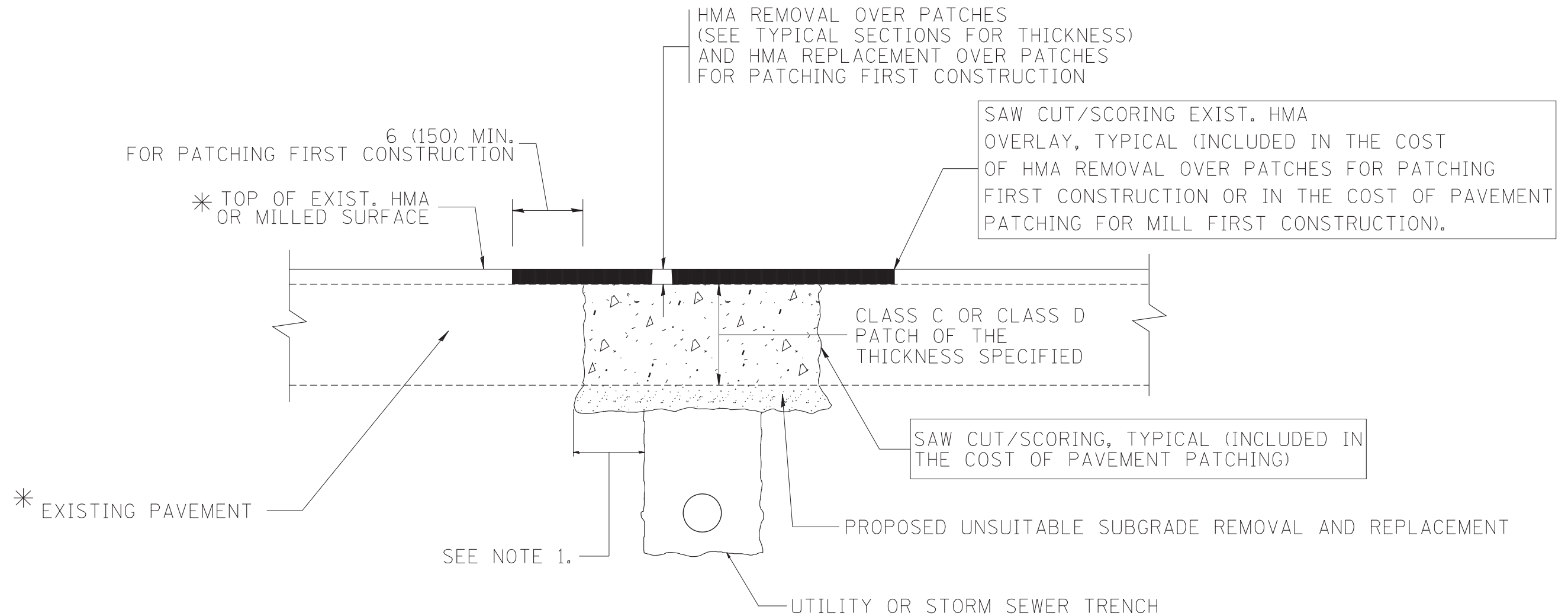
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	PLOT SCALE = 1/968.5000 "/ m	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 12/6/2011	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR  
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-00065-00-RS	DuPage	62	53
BD600-03 (BD-8)			CONTRACT NO. 61G66	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

**NOTES:**

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

**SEQUENCE OF CONSTRUCTION (PATCHING FIRST)**

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

**SEQUENCE OF CONSTRUCTION (MILLING FIRST)**

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

FILE NAME = c:\projects\diststd22x34\bd22.dgn	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98
		DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. BORO 09-04-07
	PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - K. ENG 10-27-08

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-00065-00-RS	DuPage	62	54
BD400-04 (BD-22)			CONTRACT NO. 61G66	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001  
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

18" (450) MAX.

1/4" (5) \*\*

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

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

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

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY,

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

BASIS OF PAYMENT:  
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

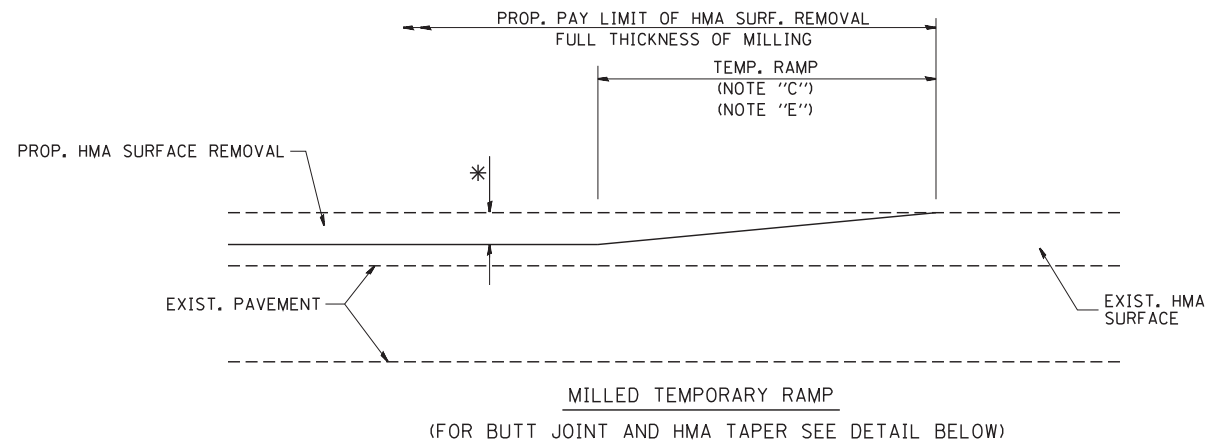
⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

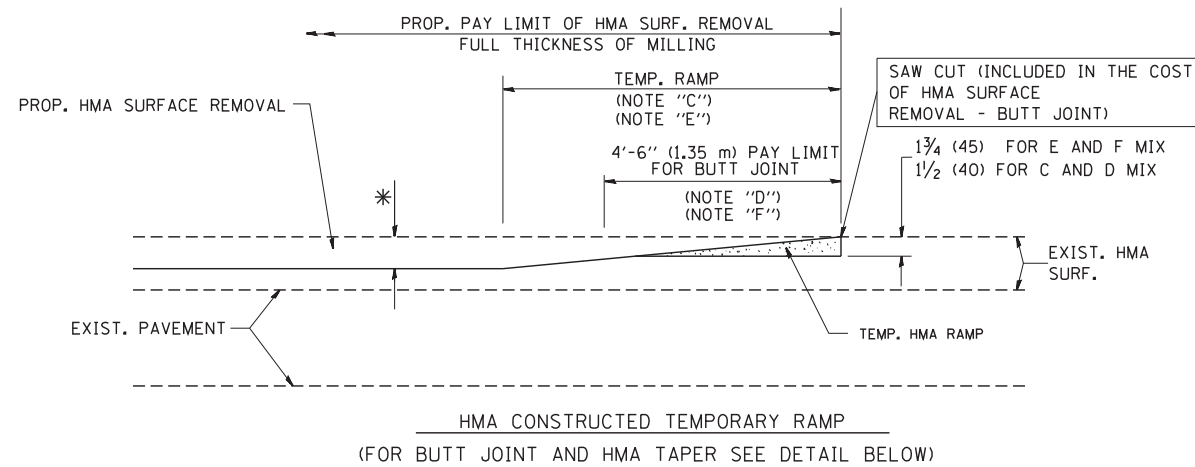
# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = drivakosgn	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. BORO 12-15-09				<b>BD600-06 (BD-24)</b>			CONTRACT NO. 61G66	
PLOT DATE = 12/15/2009	DATE - 03-11-94					FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
SCALE: NONE						SHEET NO. 1 OF 1 SHEETS		STA. TO STA.		

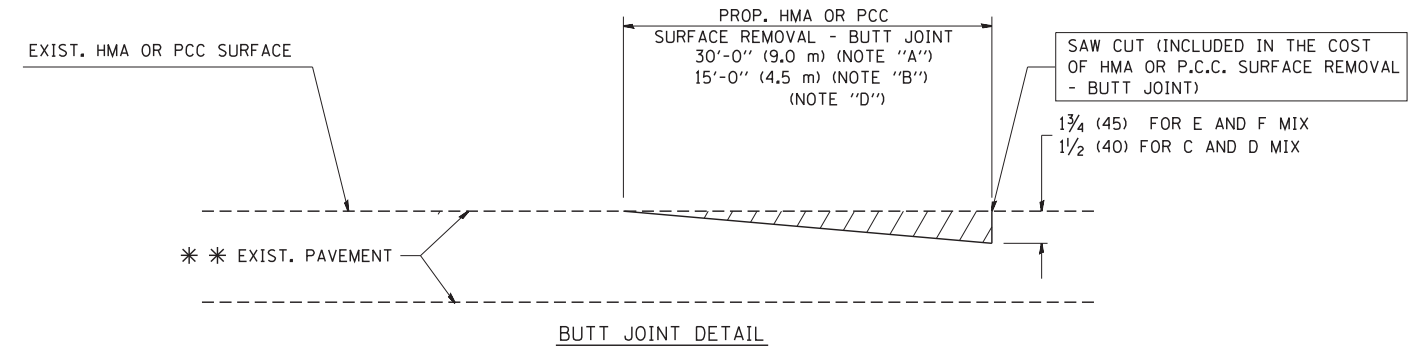


**OPTION 1**

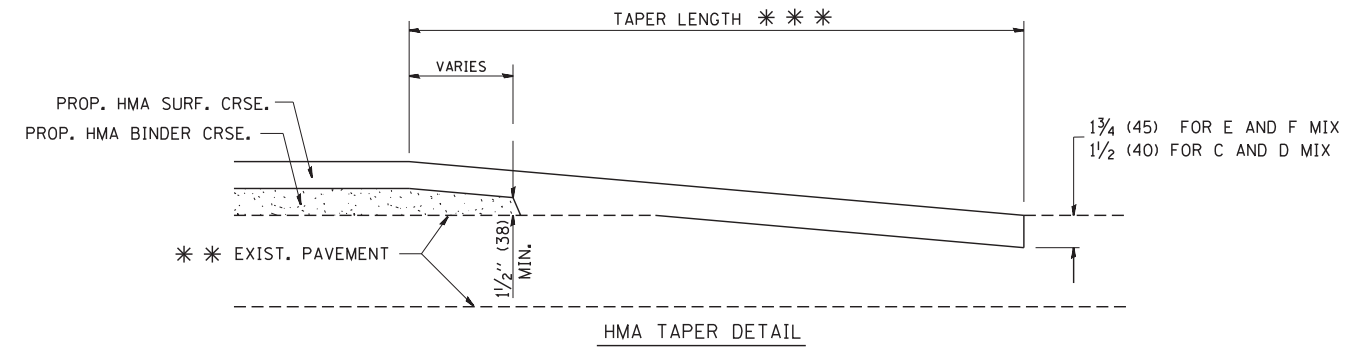


**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

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

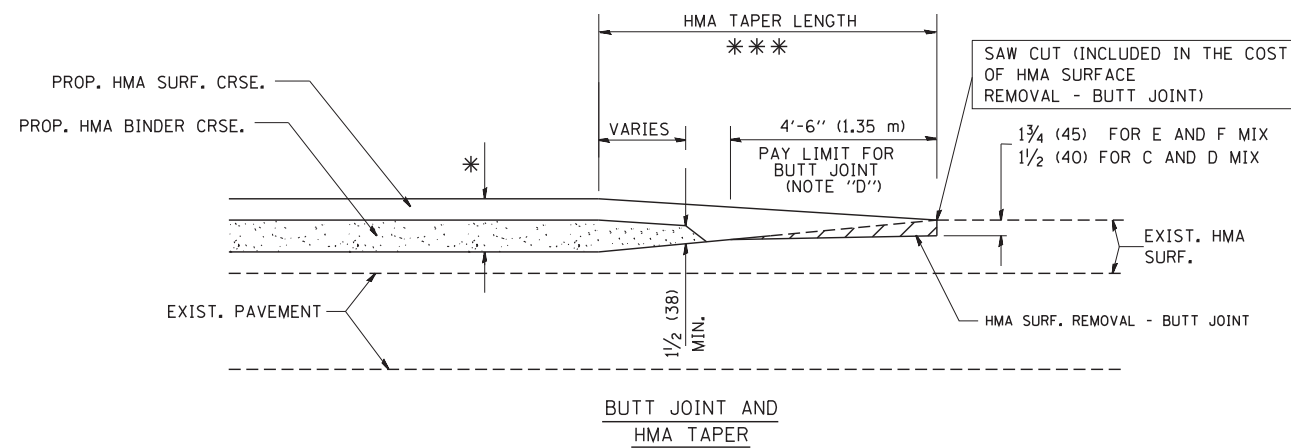
**NOTES**

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
  - B: MINOR SIDE ROADS.
  - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
  - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
  - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
  - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
  - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- \* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- \*\*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

**BASIS OF PAYMENT:**

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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



**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**

FILE NAME = W:\diststd\22x34\bd32.dgn	USER NAME = gaglionobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

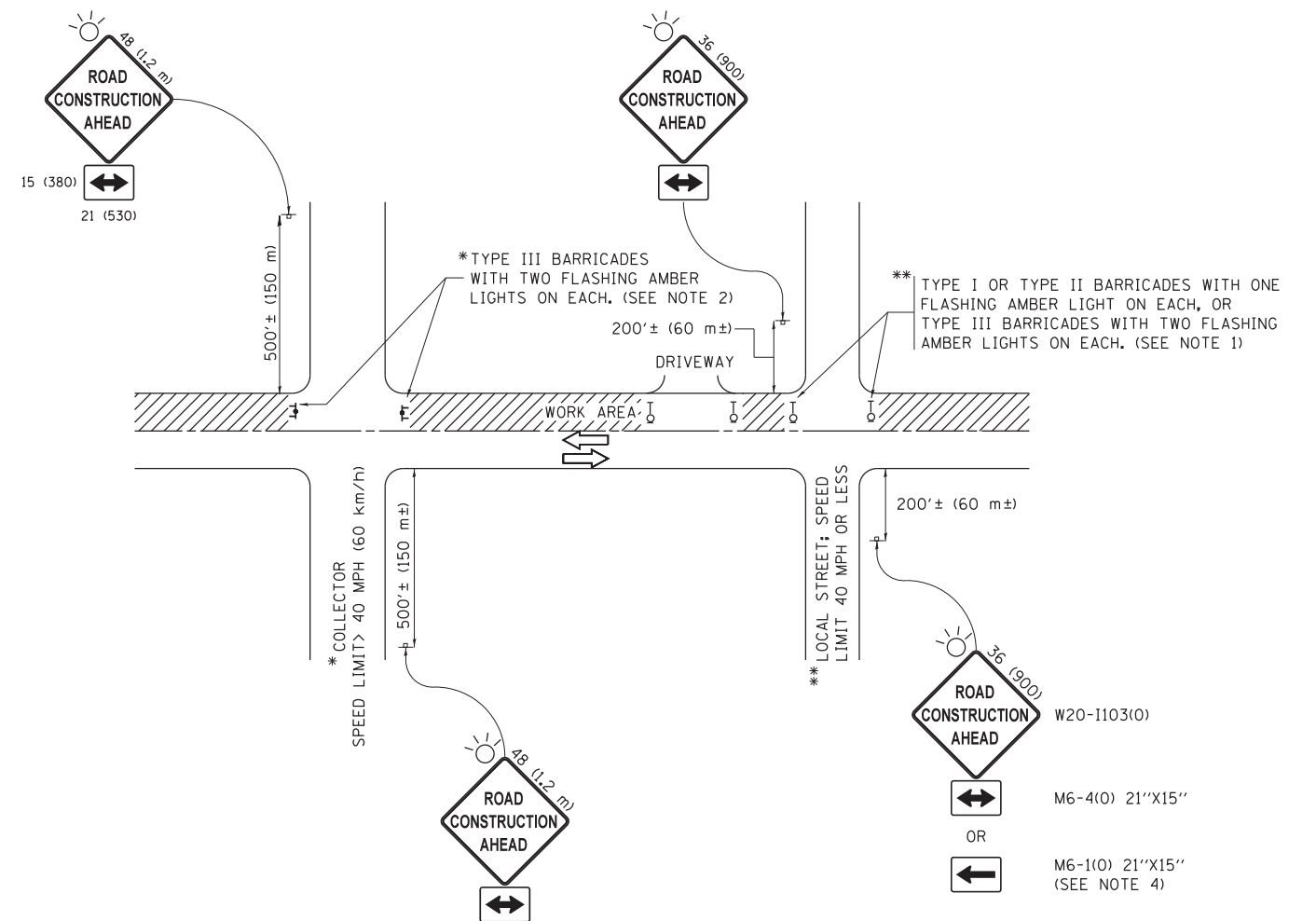
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND  
HMA TAPER DETAILS**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-00065-00-RS	DuPage	62	56
BD400-05 BD32			CONTRACT NO. 61G66	
FED. ROAD DIST. NO. 1 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.
  - 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.

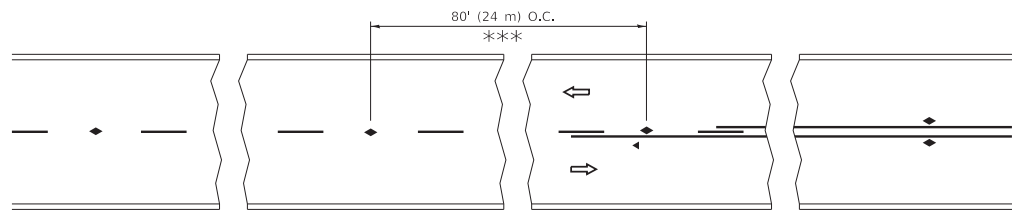
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Default	PLOT SCALE = 50.000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

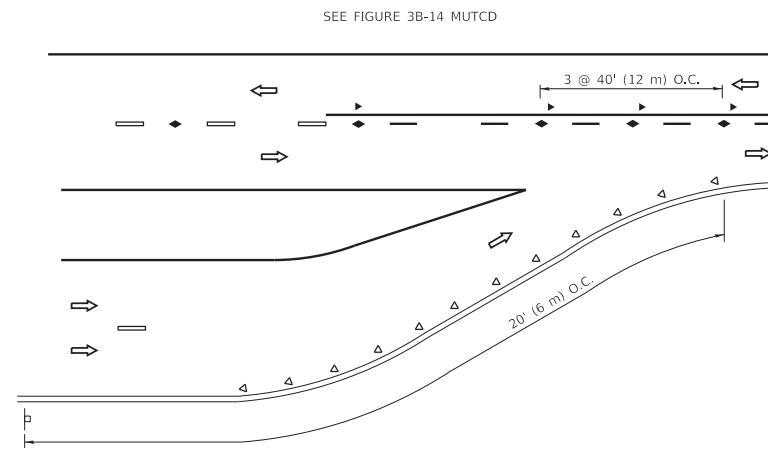
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ILLINOIS FED. AID PROJECT				

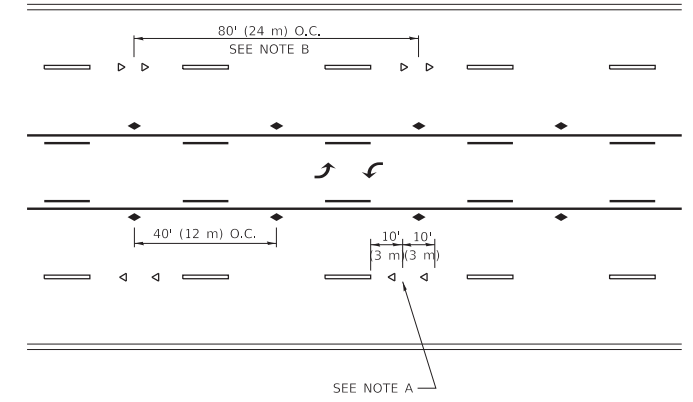


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

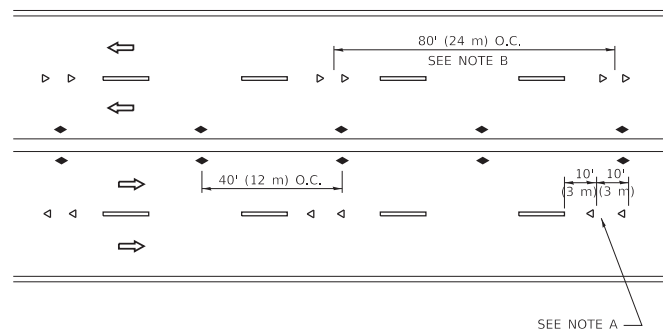
### TWO-LANE/TWO-WAY



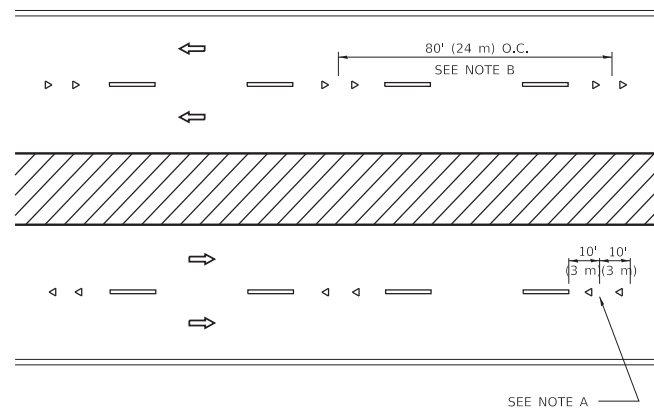
### LANE REDUCTION TRANSITION



### TWO-WAY LEFT TURN



### MULTI-LANE/UNDIVIDED



### MULTI-LANE/DIVIDED

### GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

### SYMBOLS

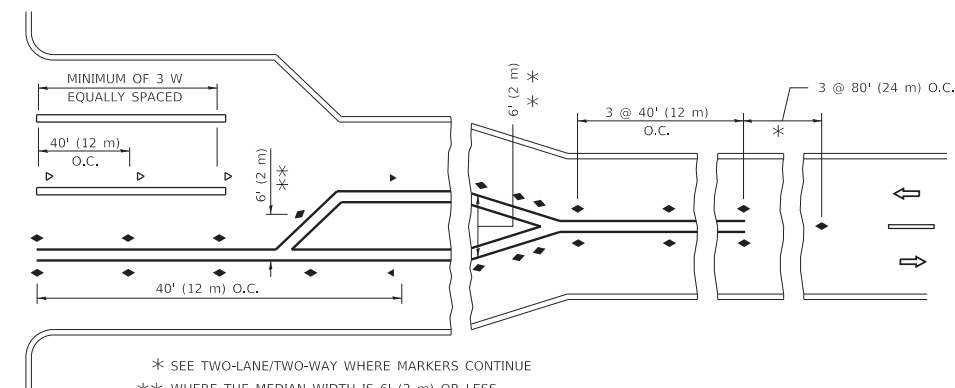
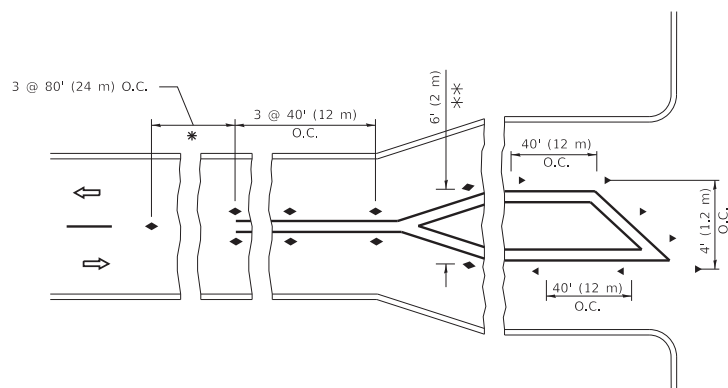
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

### LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H. (20 km/h) LOWER THAN POSTED SPEEDS.

### DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



### TURN LANES

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

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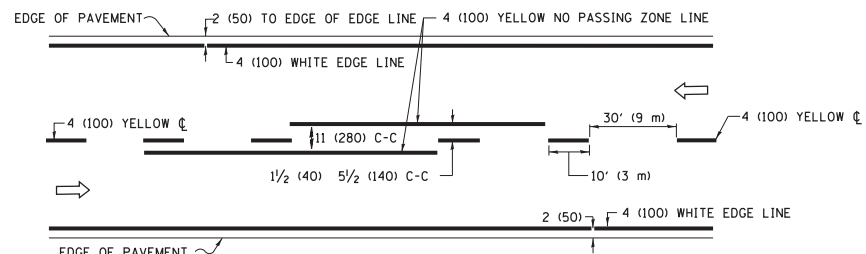
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PLOT DATE = 3/4/2019	CHECKED -	REVISED - C. JUCIUS 09-09-09
	DATE -	REVISED - C. JUCIUS 07-01-13

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

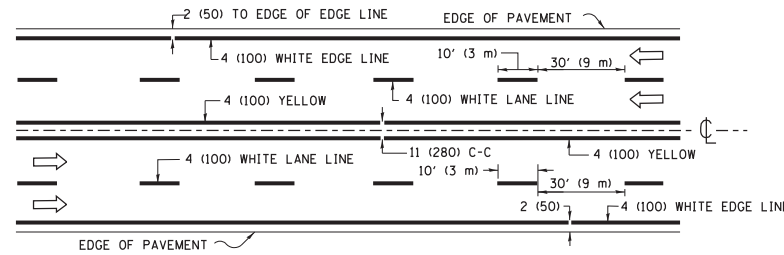
TYPICAL APPLICATIONS  
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

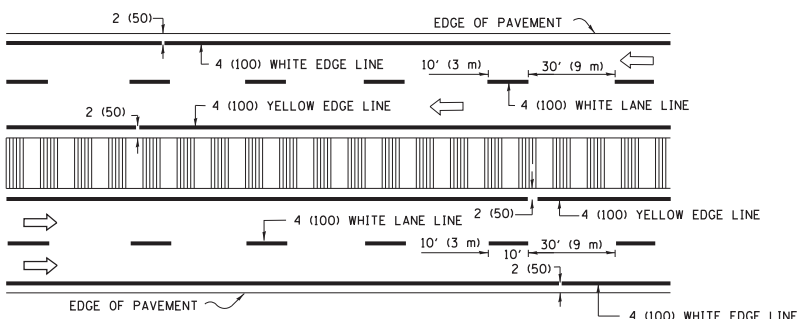
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	TC-11		CONTRACT NO.	61G66
		ILLINOIS	FED. AID PROJECT	



**2-LANE ROADWAY**

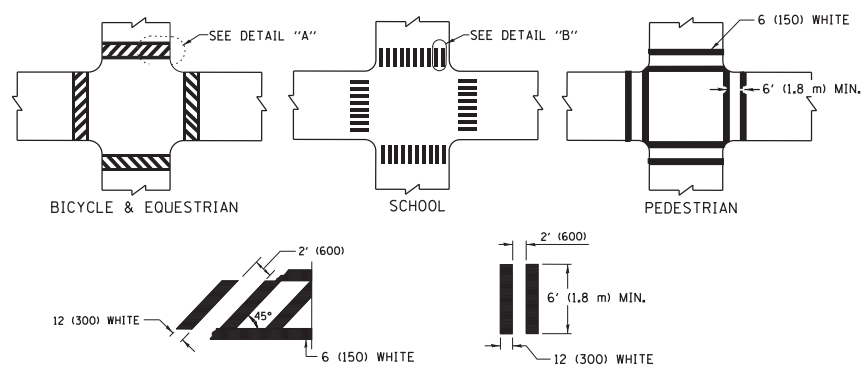


**MULTI-LANE UNDIVIDED**



**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

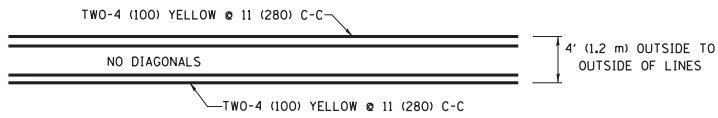


**DETAIL "A"**

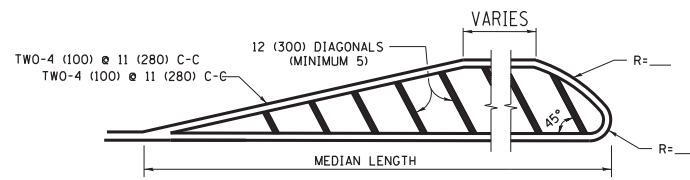
**DETAIL "B"**

**TYPICAL CROSSWALK MARKING**

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

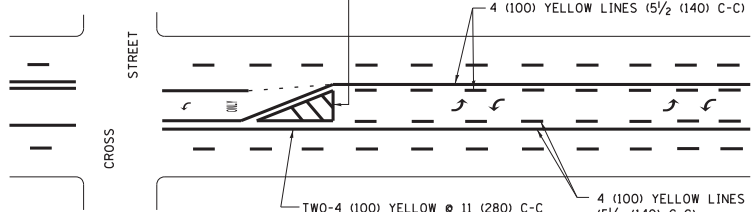


**4' (1.2 m) WIDE MEDIANS ONLY**

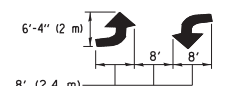


**MEDIANS OVER 4' (1.2 m) WIDE**

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

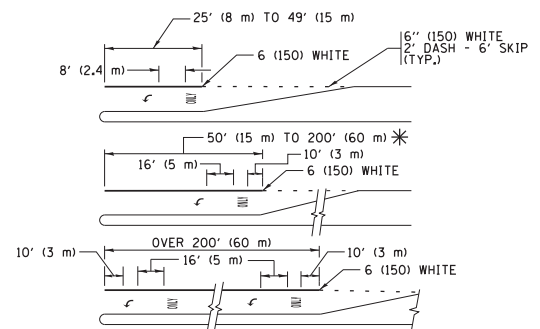


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



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

**TYPICAL PAINTED MEDIAN MARKING**

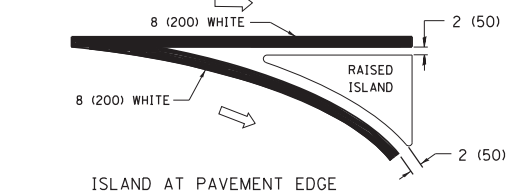
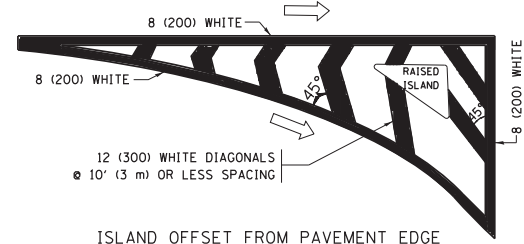


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

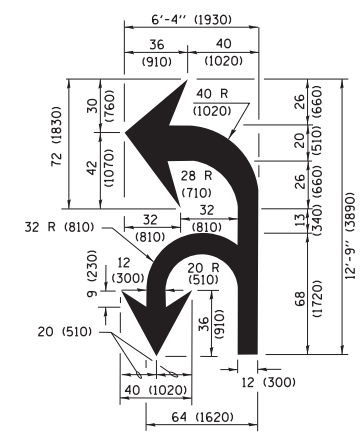
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

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

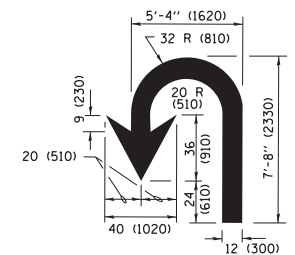
**TYPICAL TURN LANE MARKING**



**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND 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 BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (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; 5/2 (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.

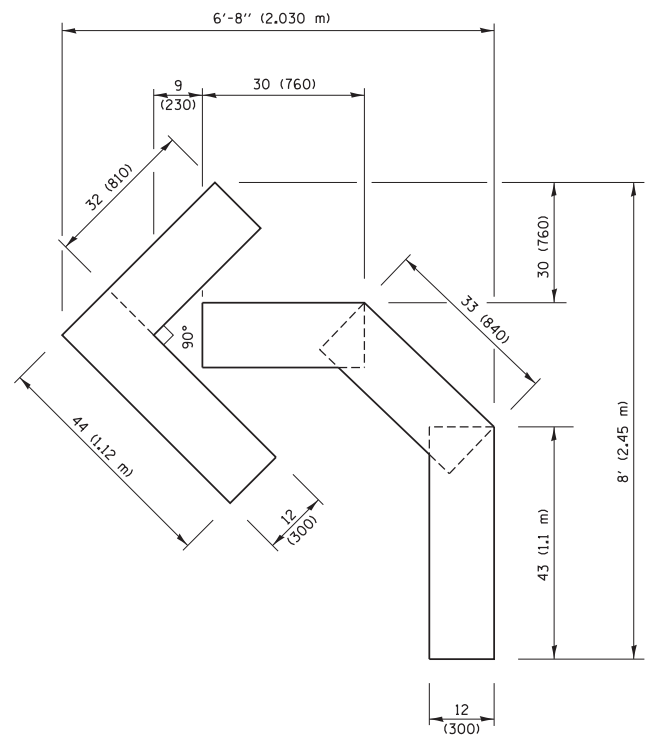
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	PLOT DATE = 6/23/2017	CHECKED -	REVISED - C. JUCIUS 12-21-15
		DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

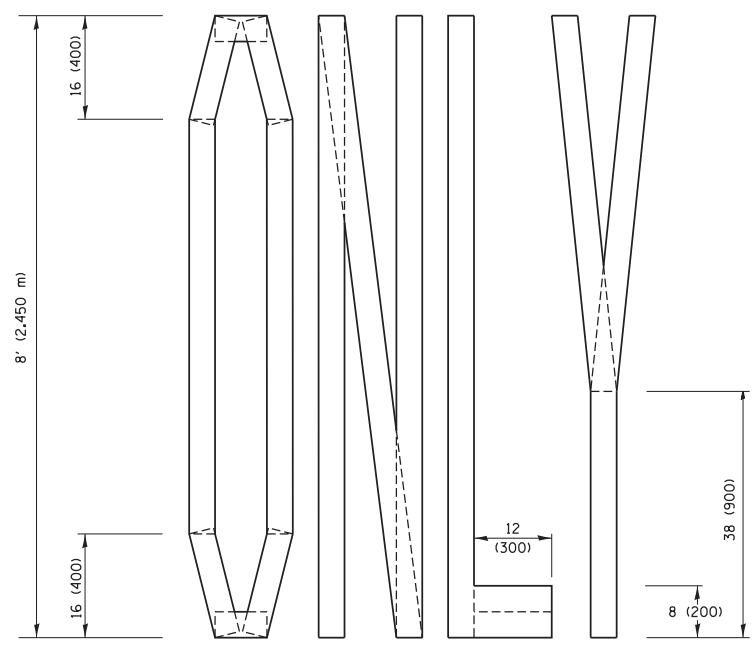
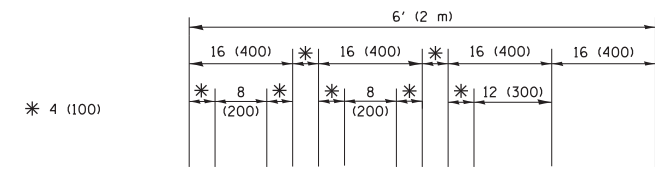
**DISTRICT ONE  
TYPICAL PAVEMENT MARKINGS**

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

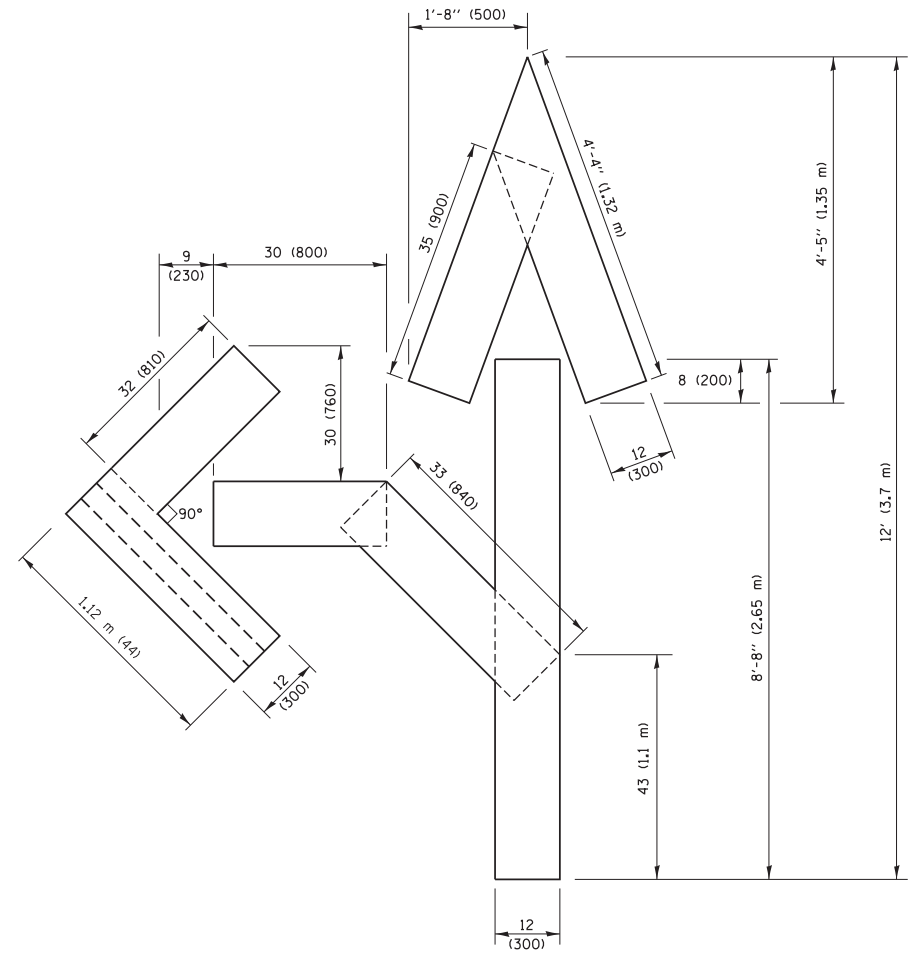
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-00065-00-RS	DuPage	62	59
	TC-13	CONTRACT NO.	61G66	
ILLINOIS FED. AID PROJECT				



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

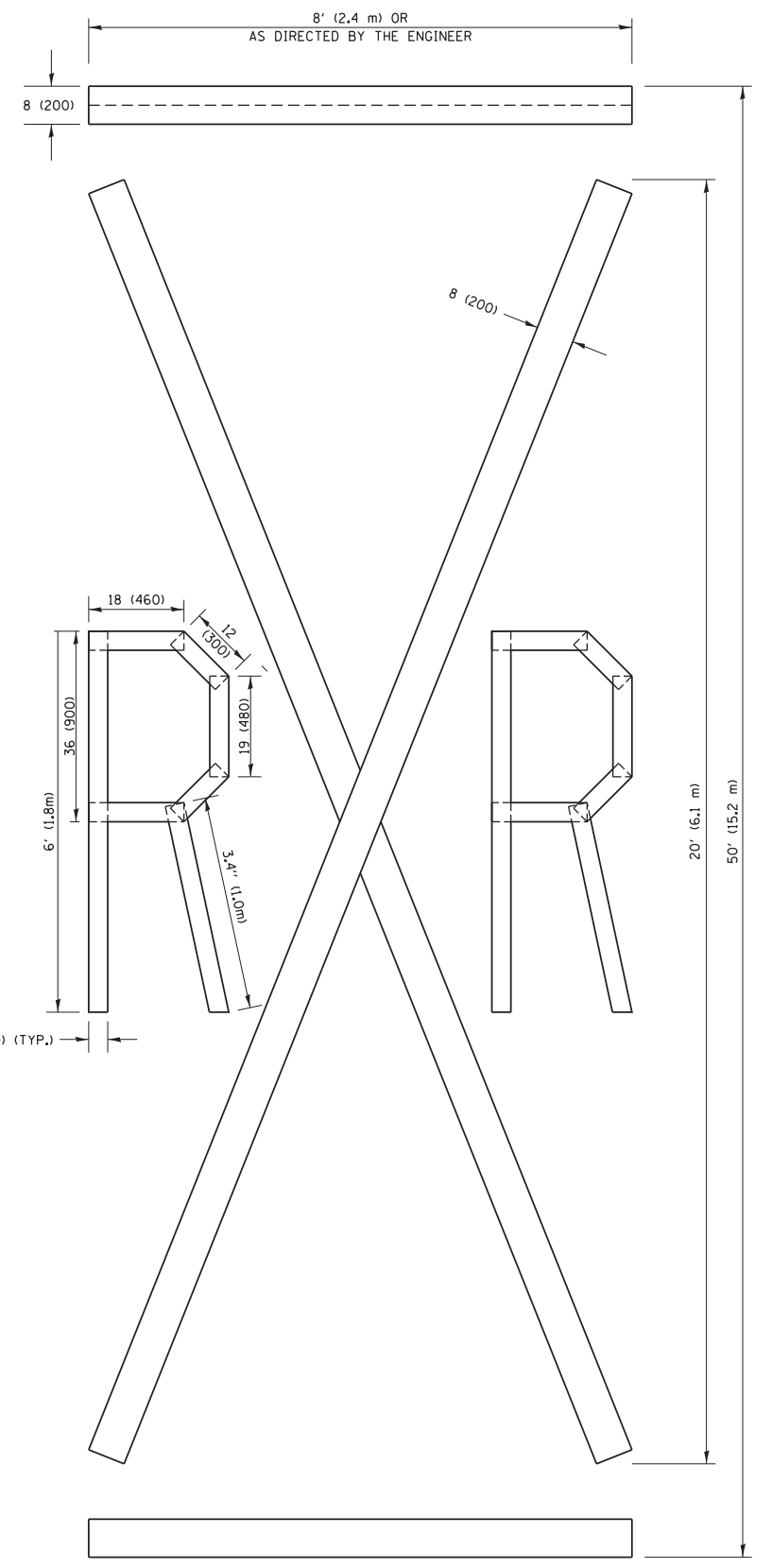


**QUANTITY**  
 4 (100) LINE = 64.1 ft. (19.5 m)  
 21.4 sq. ft. (1.99 sq. m)



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

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



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

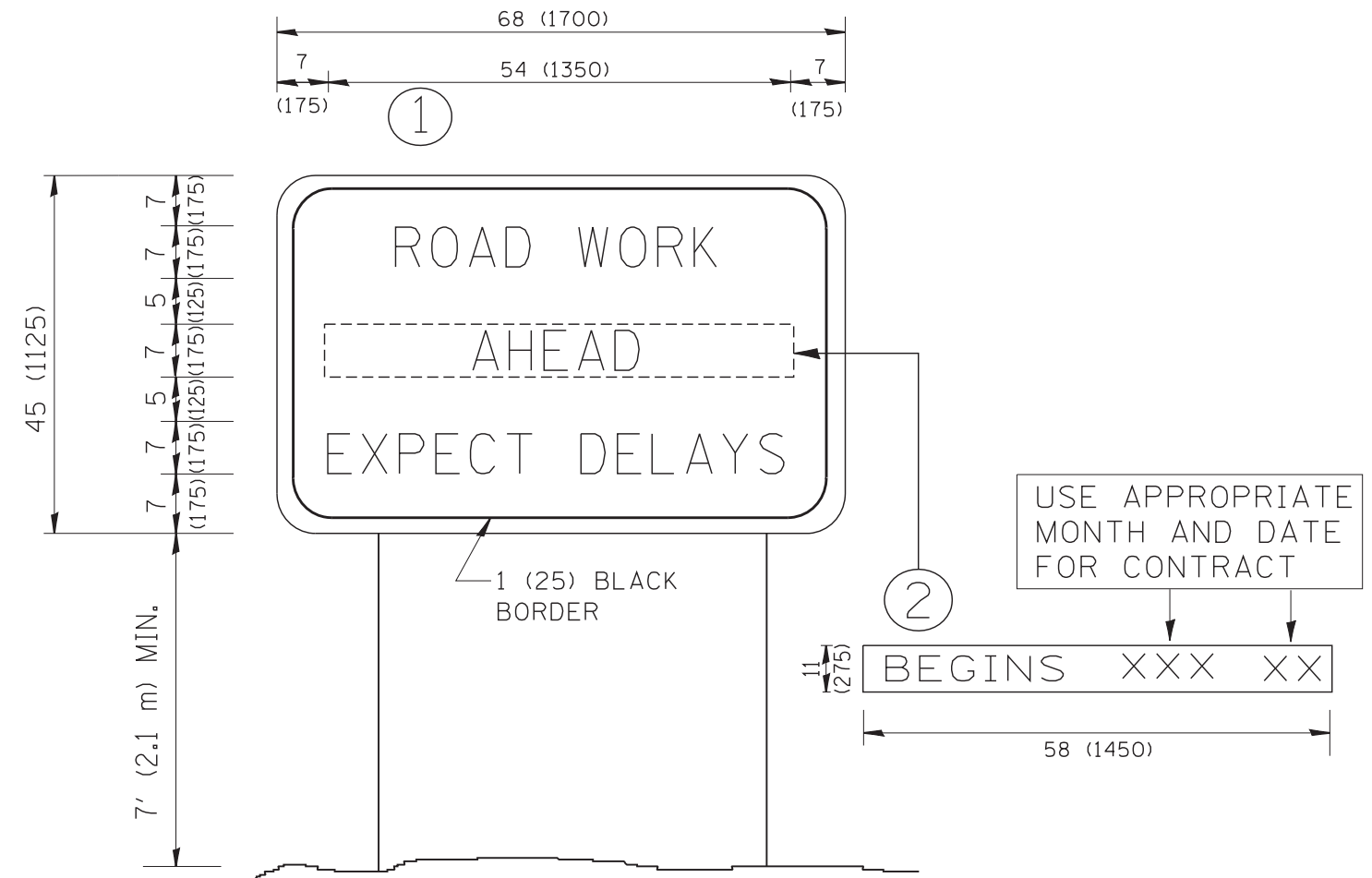
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
p:\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\Dist 1\084EBIDINTEG\CADD\Drawings\TC16.dgn		CHECKED -	REVISED - E. GOMEZ 08-28-00
		PLOT SCALE = 50.0000' / in.	REVISED - E. GOMEZ 08-28-00
		PLOT DATE = 9/15/2016	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-00065-00-RS	DuPage	62	60
TC-16			CONTRACT NO. 61G66	
FED. ROAD DIST. NO. 1 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.

FILE NAME = W:\diststd\22x34\tc22.dgn	USER NAME = gegltonbt	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

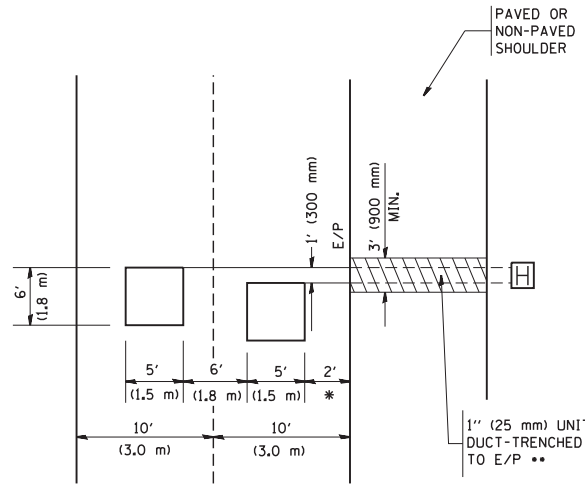
**ARTERIAL ROAD  
INFORMATION SIGN**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

MUN	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-00065-00-RS	DuPage	62	61
TC-22			CONTRACT NO. 61G66	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

**LOOPS NEXT TO SHOULDERS**

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.

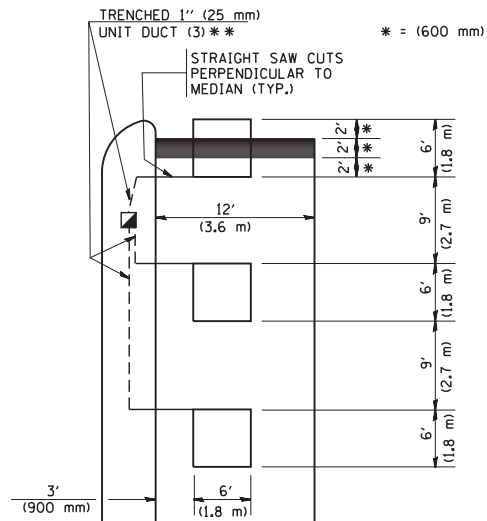


\* = (600 mm)

\*\* UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

**LEFT TURN LANES WITH MEDIANS  
VOLUME DENSITY ("FAR OUT" DETECTION)  
ON SAME APPROACH  
(PROTECTED / PERMITTED LEFT TURN PHASING)**

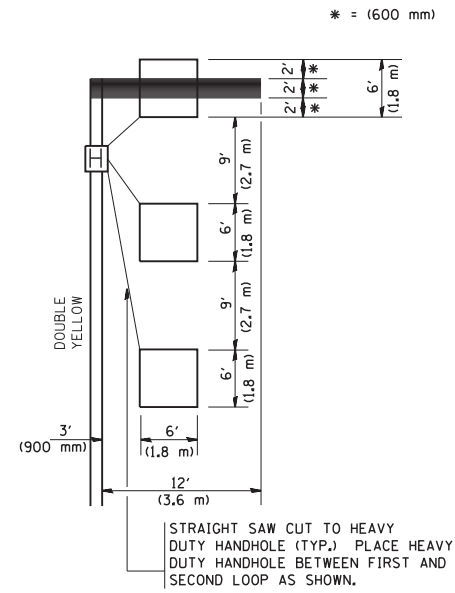
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



\*\* UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

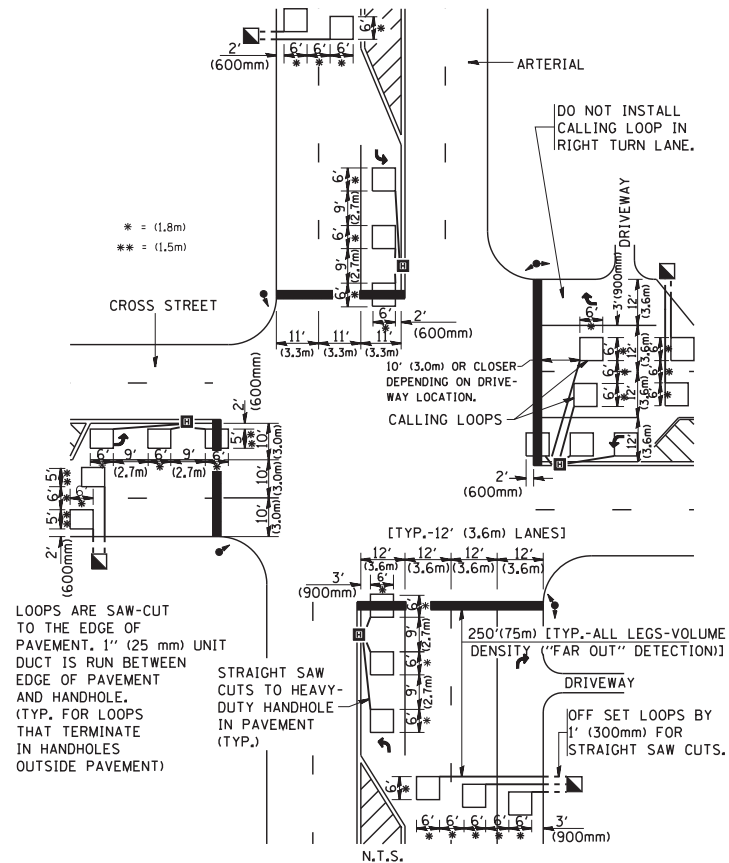
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**LEFT TURN LANES WITHOUT MEDIANS  
VOLUME DENSITY ("FAR OUT" DETECTION)  
ON SAME APPROACH  
(PROTECTED / PERMITTED LEFT TURN PHASING)**



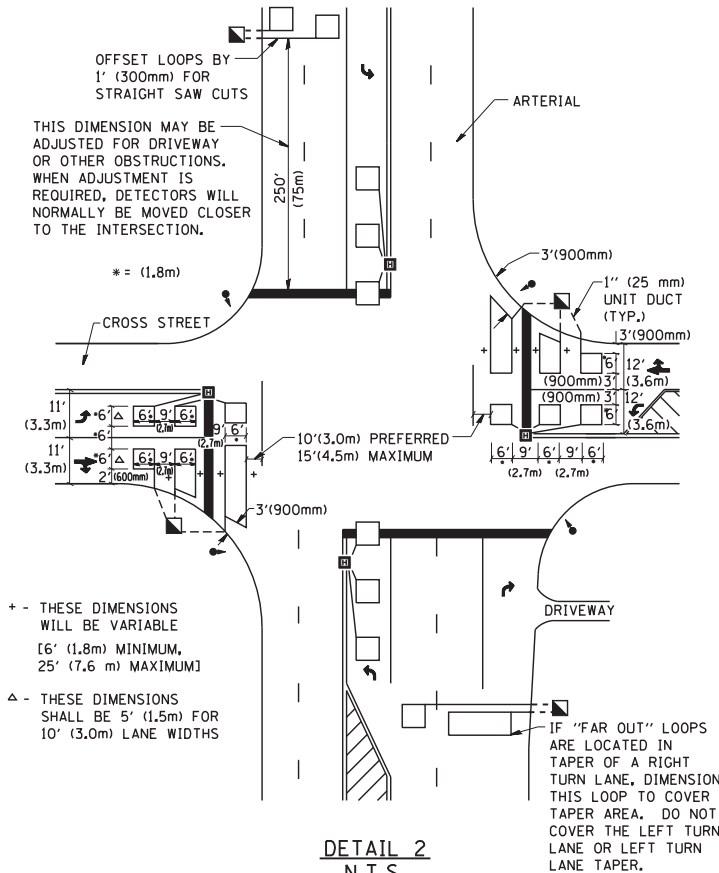
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)  
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)**



**DETAIL 1  
N.T.S.**

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)  
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)**



**DETAIL 2  
N.T.S.**

**NOTES:**

**VEHICLES LOOP DETECTORS**

- \* ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- \* EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- \* EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- \* ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- \* EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- \* WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- \* WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

**PLACEMENT OF DETECTORS**

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

**NOTE:**

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

FILE NAME = W:\diststd\22x34\ts07.dgn

USER NAME = gaglianobt  
PLOT SCALE = 50.0000' / IN.  
PLOT DATE = 1/4/2008

DESIGNED -  
DRAWN -  
CHECKED - R.K.F.  
DATE -

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DISTRICT 1 - DETECTOR LOOP INSTALLATION  
DETAILS FOR ROADWAY RESURFACING**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	19-00065-00-RS	DuPage	62	62
	TS-07	CONTRACT NO.	61G66	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				