

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-RS & SW	LAKE	90	1
		ILLINOIS	CONTRACT NO. 62H06	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT IS LOCATED IN THE CITY OF WAUKEGAN

TRAFFIC DATA

2017 ADT
IL-132 (GRAND AVE.) = 28,500

POSTED SPEED LIMIT

IL-132 (GRAND AVE.) = 30-35 MPH

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 541: GRAND AVE
FROM IL-131 TO IL-137 (AMSTUTZ EXPWY.)
SECTION: 2018-046-RS & SW
PROJECT: NHPP - PXDT(851)
STANDARD OVERLAY /ADA IMPROVEMENT
LAKE COUNTY

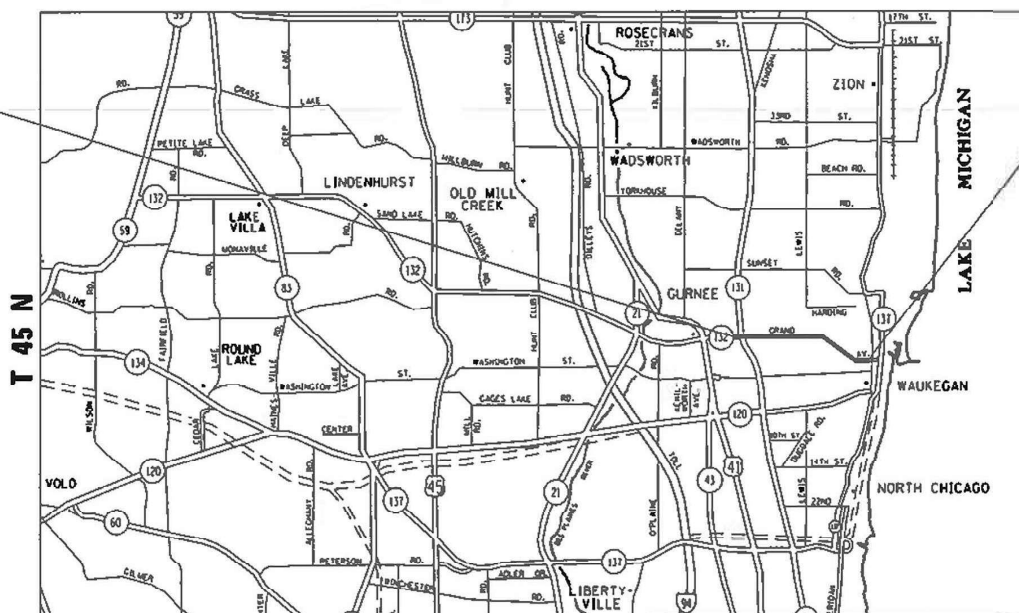
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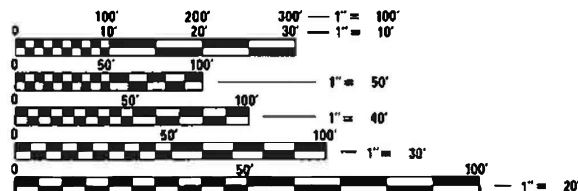
IMPROVEMENT BEGINS
STA 2+14



IMPROVEMENT ENDS
STA 150+33



LIBERTYVILLE TOWNSHIP



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

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

PROJECT ENGINEER: RODRIGO LEDEZMA (847)705-4580
PROJECT MANAGER: JEAN ALAIN MIDY (847)221-3056

GROSS LENGTH = 14819 FT. = 2.810 MILE

CONTRACT NO. 62H06

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED October 18, 2021
Jean Alain Midy
REGIONAL ENGINEER

December 10, 2021
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

December 10, 2021
Stephen M. Lewis
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

STATE STANDARDS

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89	ARTERIAL ROAD INFORMATION SIGN (TC-22)
90	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)

STANDARD NO.	DESCRIPTION
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
442201-03	CLASS C AND D PATCHES
604001-05	FRAME AND LIDS, TYPE 1
606001-08	COMBINATION CONCRETE CURB AND GUTTER
630001-12	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701427-05	LANE CLOSURE, MULTILANE, INTERMITTEN OR MOVING OPERATION, FOR SPEEDS <40 MPH
701602-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W, WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

GENERAL NOTES

1. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND THE CITY OF WAUKEGAN.
2. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED)
3. THE CONTRACTOR WILL NOT BE ABLE TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.
4. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
5. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
7. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
8. THE CONTRACTOR SHALL CONTACT THE IDOT ARTERIAL DISTRICT ONE TRAFFIC CONTROL SUPERVISOR KALPANA KANNAN-HOSADURGA AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
9. THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY AREA TRAFFIC FIELD ENGINEER, AT WALTER.CZARNY@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
10. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
11. WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/2 INCHES WHERE THE SPEED LIMIT IS 40 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH. WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H) OR A NOTCHED LONGITUDINAL WEDGE IS USED.
12. ALL PAVEMENT PATCHING LOCATIONS WILL DETERMINED IN THE FIELD BY THE ENGINEER.
13. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
14. OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.
15. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
16. 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 ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
17. THE COST OF SURFACE REMOVAL IN THE GUTTER FLAG SHALL BE INCLUDED IN THE COST OF "HOT-MIX ASPHALT SURFACE REMOVAL 2 1/2" PAY ITEM.
18. ALL COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
19. TEMPORARY PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
20. CONTACT THE IDOT ROADSIDE DEVELOPMENT UNIT AT 847-705-4171 AT LEAST 2 WEEKS PRIOR TO BEGINNING FORESTRY WORK FOR LAYOUT.

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USER NAME = hassann	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STANDARDS, & GENERAL NOTES GRAND AVE. FROM IL-131 TO IL-137 (AMSTUTZ EXPWY.)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
DRAWN -	REVISED -	541			2018-046-RS & SW	LAKE	90	2		
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 62H06					
PLOT DATE = 10/22/2021	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO
				ILLINOIS FED. AID PROJECT						

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE	0005 100% STATE			
20101400	NITROGEN FERTILIZER NUTRIENT	POUND	3	3				
20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	3	3				
20200100	EARTH EXCAVATION	CU YD	96	96				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	685	685				
25200110	SODDING, SALT TOLERANT	SO YD	685	685				
25200200	SUPPLEMENTAL WATERING	UNIT	1	1				
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SO YD	108	108				
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SO YD	108	108				
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	67455	67455				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	150	150				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	1215	1215				
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	4247	4247				
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	26	26				

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE	0005 100% STATE			
40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	TON	9920	9920				
42001300	PROTECTIVE COAT	SO YD	30000	30000				
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SO YD	850	850				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	38000	38000				
42400800	DETECTABLE WARNINGS	SO FT	2052	2052				
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SO YD	89	89				
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	90950	90950				
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SO YD	9001	9001				
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	850	850				
44000600	SIDEWALK REMOVAL	SO FT	37600	37600				
44201749	CLASS D PATCHES, TYPE I, 9 INCH	SO YD	560	560				
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SO YD	2200	2200				
44201757	CLASS D PATCHES, TYPE III, 9 INCH	SO YD	1440	1440				
44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SO YD	1700	1700				
60250200	CATCH BASINS TO BE ADJUSTED	EACH	8	8				

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	PLOT SCALE = 100.0000' / 1in	CHECKED -	REVISED -
	PLOT DATE = 10/25/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GRAND AVE. FROM IL-131 TO IL-137 (AMSTUTZ EXPWY)
SUMMARY OF QUANTITIES**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-RS & SW	LAKE	90	3
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT			CONTRACT NO. 62H06	

* SPECIALTY ITEM Δ NON-PARTICIPATING ITEM

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE	0005 100% STATE					CODE NO	ITEM		UNIT	0005 80% FED 20% STATE	0005 100% STATE			
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	4	4					* 66900530	SOIL DISPOSAL ANALYSIS	EACH	12	12					
60255500	MANHOLES TO BE ADJUSTED	EACH	2	2					* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1					
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	6	6					* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1					
60260100	INLETS TO BE ADJUSTED	EACH	42	42					* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	25	25					
60266600	VALVE BOXES TO BE ADJUSTED	EACH	52	52					67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12					
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	78	78					67100100	MOBILIZATION	L SUM	1	1					
60404800	FRAMES AND GRATES, TYPE 11	EACH	6	6					70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1					
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	34	34					70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1					
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	10	10					70102634	TRAFFIC CONTROL AND PROTECTION, STANDARD 701611	L SUM	1	1					
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	260	260					70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1					
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2	2					70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1					
* 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	2	2					70300100	SHORT TERM PAVEMENT MARKING	FOOT	132350	132350					
63200310	GUARDRAIL REMOVAL	FOOT	335	335														
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	100	100														

FILE NAME =	USER NAME = hssomn	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GRAND AVE. FROM IL-131 TO IL-137 (AMSTUTZ EXPWY) SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\N\dot-pw\benfrey.com\PW\DOT\Documents\1007 - Office\101\101\Projects\10136718\CAD\Drawn\Design\10136718-str-501.dwg	DRAWN -	REVISED -	541			2018-046-RS & SW	LAKE	90	4	
PLOT SCALE = 100,0000' / 1in	CHECKED -	REVISED -	CONTRACT NO. 62H06							
PLOT DATE = 10/25/2021	DATE -	REVISED -	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

* SPECIALTY ITEM Δ NON-PARTICIPATING ITEM

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE	0005 100% STATE					0005 80% FED 20% STATE		0005 100% STATE					
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	35000	35000					* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	300	300				
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SO FT	1377	1377					* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	5235	5235				
70300221	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	FOOT	52800	52800					* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1800	1800				
70300241	TEMPORARY PAVEMENT MARKING - LINE 6" - PAINT	FOOT	8850	8850													
70300251	TEMPORARY PAVEMENT MARKING - LINE 8" - PAINT	FOOT	300	300					* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1400	1400				
70300261	TEMPORARY PAVEMENT MARKING - LINE 12" - PAINT	FOOT	5235	5235					* 78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1400	1400				
70300281	TEMPORARY PAVEMENT MARKING - LINE 24" - PAINT	FOOT	1800	1800					78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SO FT	43260	43260				
70306120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE III TAPE	FOOT	33100	33100					85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	8	8				
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	3	3					* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	4640	4640				
* 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	3	3					89502376	REBUILD EXISTING HANDHOLE	EACH	14	14				
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	1377	1377					X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1				
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	52800	52800					X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	3500	3500				
									X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	500	500				
									X5537900	STORM SEWERS TO BE CLEANED 15"	FOOT	2500	2500				
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	8850	8850					X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	172	172				
									X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	43260	43260				

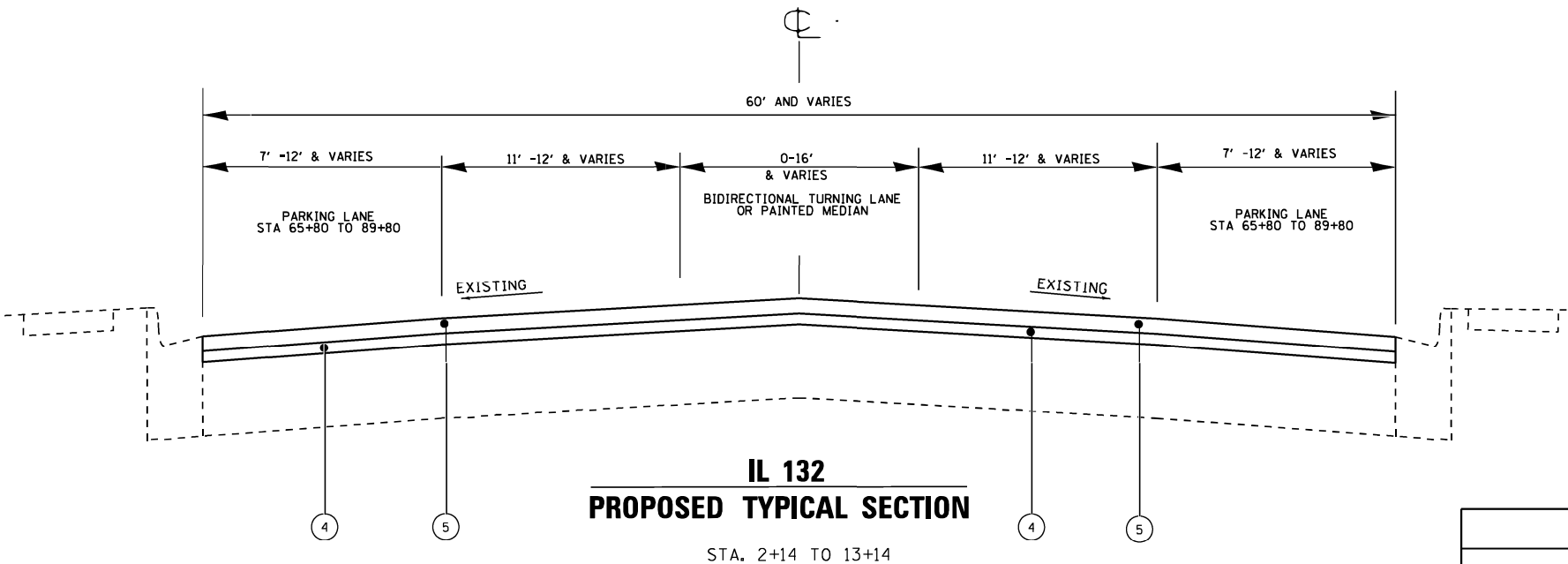
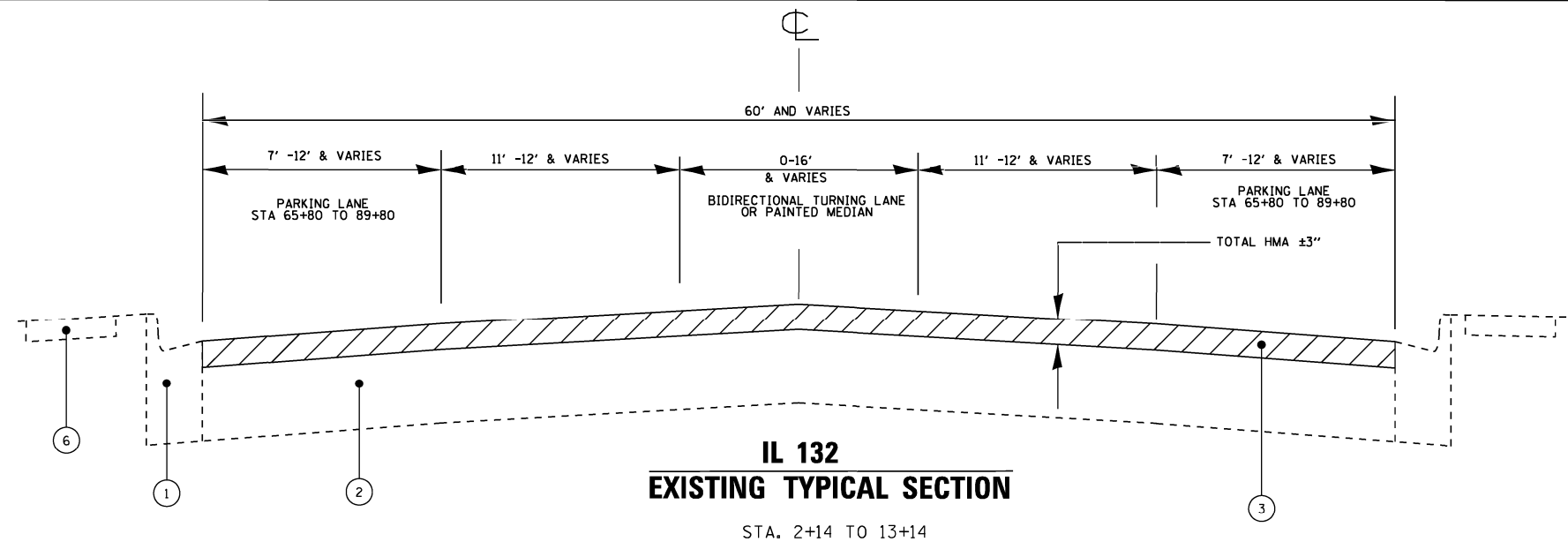
FILE NAME =	USER NAME = hssomn	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GRAND AVE. FROM IL-131 TO IL-137 (AMSTUTZ EXPWY) SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\N1dot-pw.zentley.com\PI\DOT\Documents\DOT - Office\DIstr\DI\Projects\DI36718\CAD\Drawn\Design\DI36718-str-504.dwg	DRAWN -	REVISED -	541			2018-046-RS & SW	LAKE	90	5	
PLOT SCALE = 100,0000' / 1in	CHECKED -	REVISED -	CONTRACT NO. 62H06							
PLOT DATE = 10/25/2021	DATE -	REVISED -	FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT							

* SPECIALTY ITEM △ NON-PARTICIPATING ITEM

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE						SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		0005 80% FED 20% STATE	0005 100% STATE						CODE NO	ITEM		UNIT	0005 80% FED 20% STATE	0005 100% STATE			
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	11755	11755															
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	225	225															
Z0030850	TEMPORARY INFORMATION SIGNING	50 FT	102	102															
40600370	LONGITUDINAL JOINT SEALANT	FOOT	50000	50000															
∅ Z0076600	TRAINEES	HOURS	500	500															
∅ Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	500	500															

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		DRAWN -	REVISED -								FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT
	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
	PLOT DATE = 10/25/2021	DATE -	REVISED -								REV-SEP

* SPECIALTY ITEM Δ NON-PARTICIPATING ITEM



LEGEND

- ① EXISTING COMBINATION CONCRETE CURB AND GUTTER
- ② EXISTING PCC PAVEMENT ±9"
- ③ PROPOSED HMA SURFACE REMOVAL, ± 3"
- ④ PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"
- ⑤ PROPOSED POLYMERIZED HMA SURFACE COURSE MIX "E", IL-9.5, N70, 2"
- ⑥ EXISTING SIDEWALK
- ⑦ PROPOSED HMA SURFACE REMOVAL, ± 2½"
- ⑧ EXISTING HMA PAVEMENT TO REMAIN ± 3"
- ⑨ PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, ¾"
- ⑩ PROPOSED POLYMERIZED HMA SURFACE COURSE MIX "E", IL-9.5, N70, 1¾"
- ⑪ EXISTING PCC PAVEMENT ±6½"

NOTES:

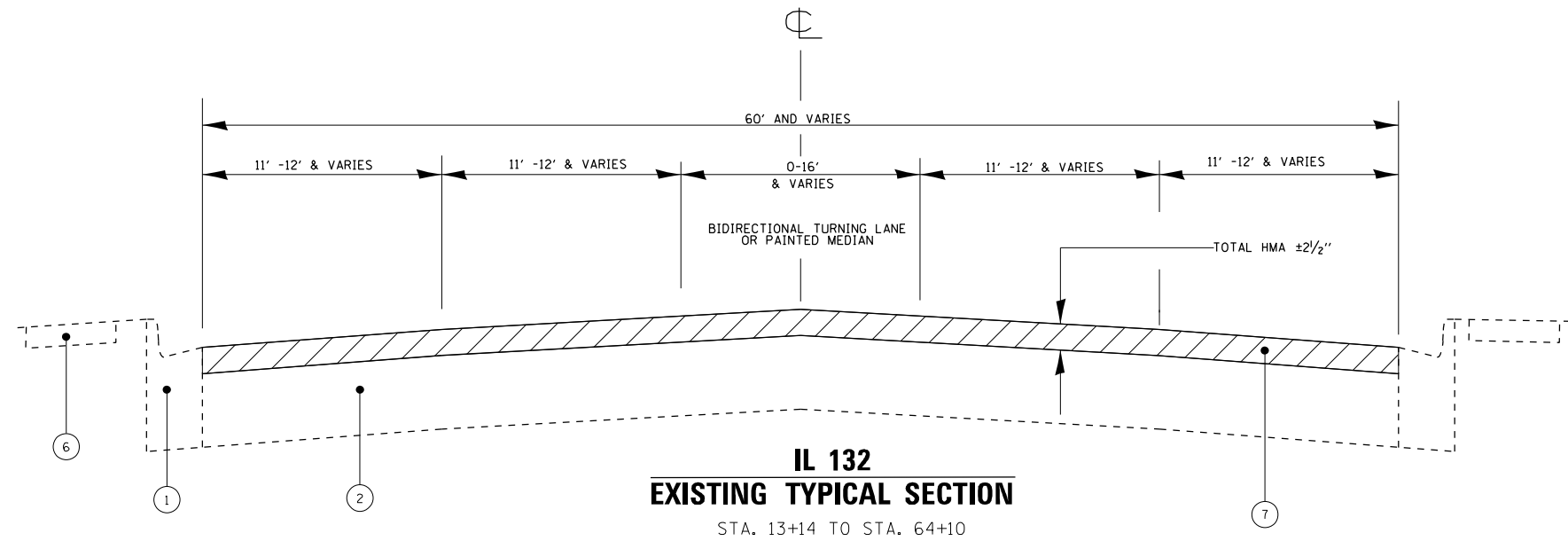
- 1 – CONTRACTOR SHALL MILL FIRST BEFORE PATCHING
- 2 – THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER POLY. HMA BINDER COURSE, IL-4.75, N50
- 3 – CENTER PORTION OF GRAND AVE. SHOWS 3" TO 4 1/2" OF BRICK BASE (NO P.C.C)

MIXTURE REQUIREMENTS		VOIDS © Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE USES			
PAVEMENT RESURFACING			
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70		4% AT 70 GYR.	QCP
POLYMERIZED HMA BINDER COURSE, IL-4.75, N50		3.5% AT 50 GYR.	QCQA
PATCHING			
CLASS D PATCHES (HMA BINDER, IL-19.0 mm)		4% AT 70 GYR.	QCQA
DRIVEWAY			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL 9.5, N50		4% AT 50 GYR.	QCQA
HOT-MIX ASPHALT BASE COURSE, 6" (HMA BINDER IL-19.0)		4% AT 50 GYR.	QCQA
HOT-MIX ASPHALT BASE COURSE, 8" (HMA BINDER IL-19.0)		4% AT 50 GYR.	QCQA
HMA PARKWAY			
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL 9.5, N50		4% AT 50 GYR.	QCQA

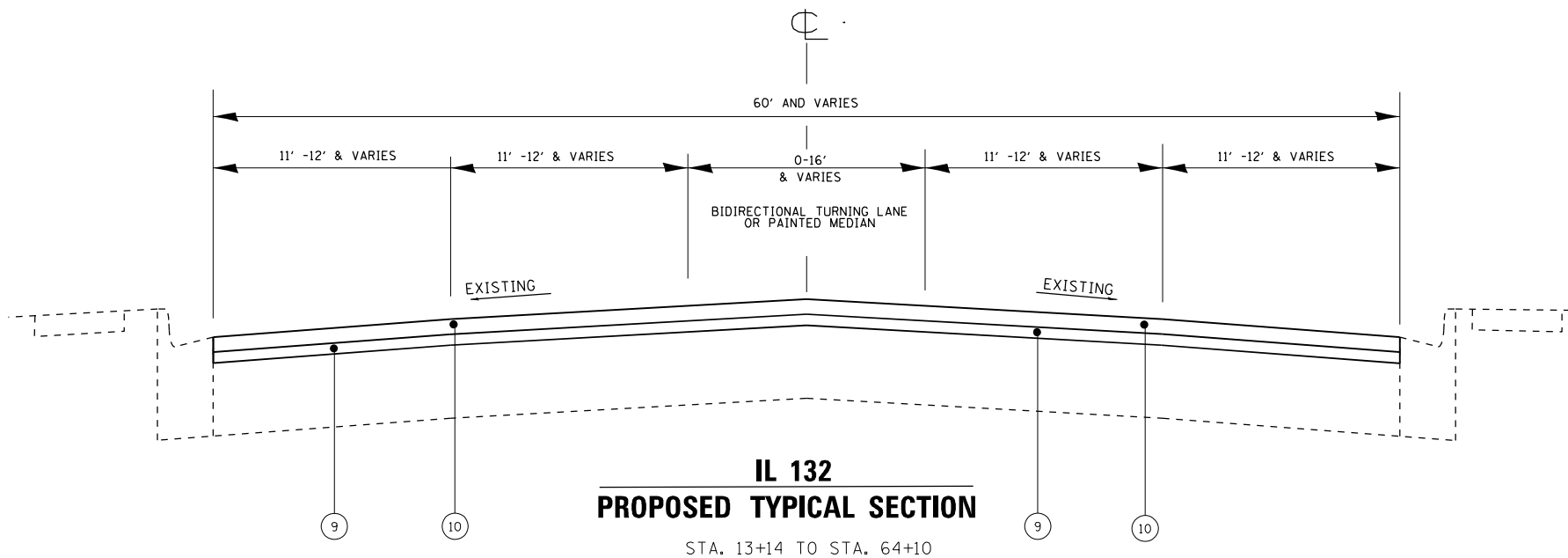
QMP Designation: Quality Control/Quality Assurance (QC/QA); Quality Control for Performance (QCP)

NOTE:

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



- LEGEND**
- ① EXISTING COMBINATION CONCRETE CURB AND GUTTER
 - ② EXISTING PCC PAVEMENT ±9"
 - ③ PROPOSED HMA SURFACE REMOVAL, ± 3"
 - ④ PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"
 - ⑤ PROPOSED POLYMERIZED HMA SURFACE COURSE MIX "E", IL-9.5, N70, 2"
 - ⑥ EXISTING SIDEWALK
 - ⑦ PROPOSED HMA SURFACE REMOVAL, ± 2½"
 - ⑧ EXISTING HMA PAVEMENT TO REMAIN ± 3"
 - ⑨ PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, ¾"
 - ⑩ PROPOSED POLYMERIZED HMA SURFACE COURSE MIX "E", IL-9.5, N70, 1¾"
 - ⑪ EXISTING PCC PAVEMENT ±6½"



NOTES:

- 1 – CONTRACTOR SHALL MILL FIRST BEFORE PATCHING**
- 2 – THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER POLY. HMA BINDER COURSE, IL-4.75, N50**
- 3 – CENTER PORTION OF GRAND AVE. SHOWS 3" TO 4 1/2" OF BRICK BASE (NO P.C.C)**

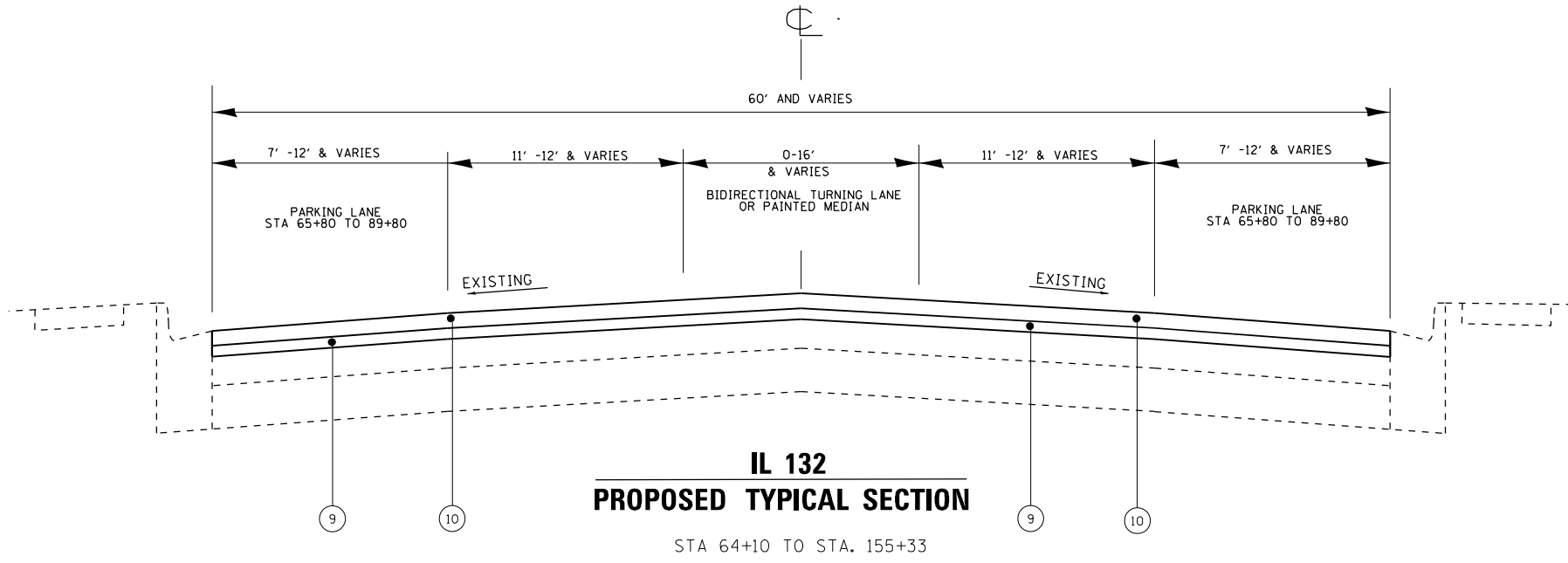
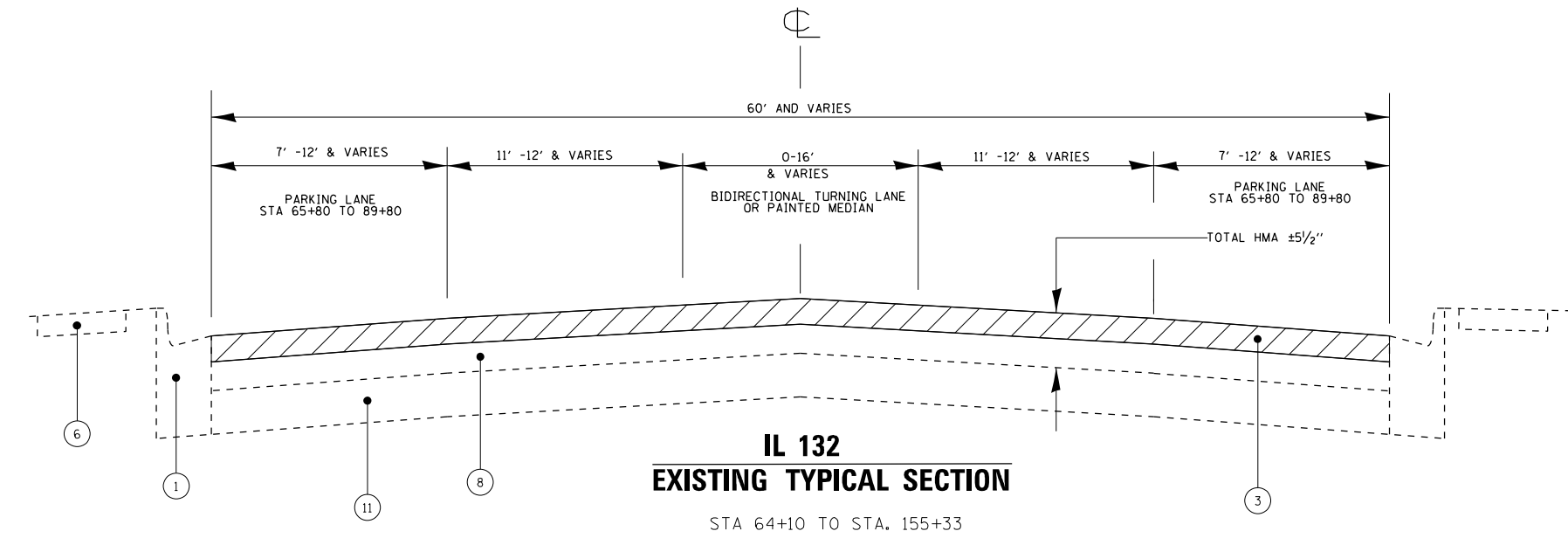
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	DRAWN -	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED TYPICAL SECTIONS			
GRAND AVE. FROM IL-131 TO IL-137 (AMSTUTZ EXPWY)			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-RS & SW	LAKE	90	8
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				



LEGEND

- ① EXISTING COMBINATION CONCRETE CURB AND GUTTER
- ② EXISTING PCC PAVEMENT ±9"
- ③ PROPOSED HMA SURFACE REMOVAL, ± 3"
- ④ PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 1"
- ⑤ PROPOSED POLYMERIZED HMA SURFACE COURSE MIX "E", IL-9.5, N70, 2"
- ⑥ EXISTING SIDEWALK
- ⑦ PROPOSED HMA SURFACE REMOVAL, ± 2 1/2"
- ⑧ EXISTING HMA PAVEMENT TO REMAIN ± 3"
- ⑨ PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"
- ⑩ PROPOSED POLYMERIZED HMA SURFACE COURSE MIX "E", IL-9.5, N70, 1 3/4"
- ⑪ EXISTING PCC PAVEMENT ±6 1/2"

NOTES:

- 1 – CONTRACTOR SHALL MILL FIRST BEFORE PATCHING
- 2 – THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER POLY. HMA BINDER COURSE, IL-4.75, N50
- 3 – CENTER PORTION OF GRAND AVE. SHOWS 3" TO 4 1/2" OF BRICK BASE (NO P.C.C)

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	DATE -	REVISED -

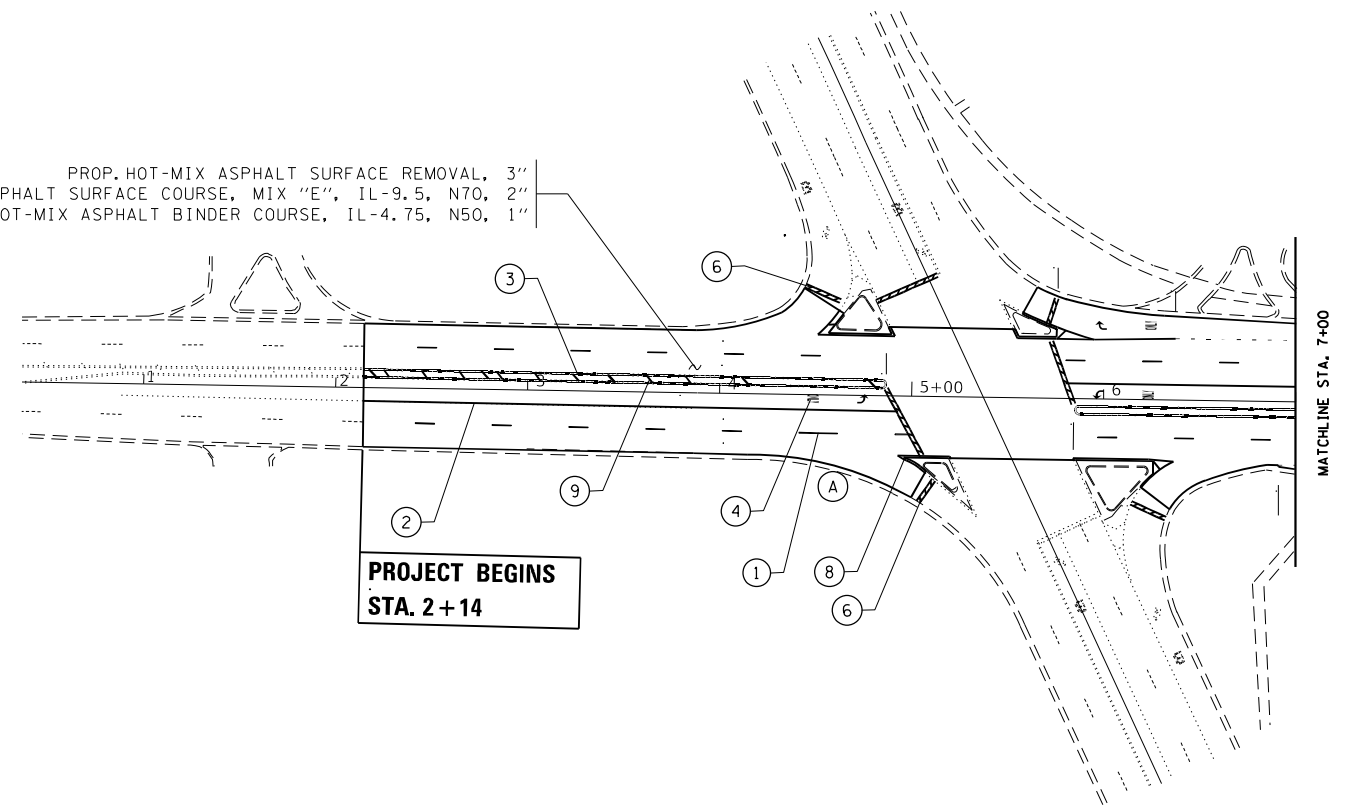
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED TYPICAL SECTIONS GRAND AVE. FROM IL-131 TO IL-137 (AMSTUTZ EXPWY)			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-RS & SW	LAKE	90	9
CONTRACT NO. 62H06				
<small>ILLINOIS FED. AID PROJECT</small>				

- | | | |
|---|--|--|
| ① PROP. THERMOPLASTIC PVMT MARKING 4",
10' DASH 30' SKIP, WHITE (TYP.) | ⑥ PROP. THERMOPLASTIC PVMT MARKING LINE, 24"
STOPBAR, WHITE (TYP.) | ⑪ PROP. THERMOPLASTIC PVMT MARKING 4",
10' DASH 30' SKIP, YELLOW (TYP.) |
| ② PROP. THERMOPLASTIC PVMT MARKING 6",
TURN LANE, WHITE (TYP.) | ⑦ PROP. THERMOPLASTIC PVMT MARKING 6",
2' DASH 6' SKIP, WHITE (TYP.) | ⑫ PROP. THERMOPLASTIC PVMT. MARKING 12"
GORE MARKING, 20' C-C, WHITE (TYP.) |
| ③ PROP. THERMOPLASTIC PVMT MARKING 4",
DOUBLE YELLOW @ 11" C-C (TYP.) | ⑧ PROP. THERMOPLASTIC PVMT MARKING 8",
EDGE LINE, WHITE (TYP.) | ⑬ PROP. THERMOPLASTIC PVMT MARKING 6",
CROSSWALK 2 @ 6' C-C, WHITE (TYP.) |
| ④ PROP. THERMOPLASTIC PVMT. MARKING
LETTERS AND SYMBOLS, WHITE (TYP.) | ⑨ PROP. THERMOPLASTIC PVMT. MARKING 12"
MEDIAN @ 45° 75' C-C, YELLOW (TYP.) | ⑭ PROP. THERMOPLASTIC PVMT MARKING LINE 12",
CROSSWALK 6' C-C 2', WHITE (TYP.) |
| ⑤ PROP. THERMOPLASTIC PVMT MARKING 4",
SHOULDER LANE, WHITE (TYP.) | ⑩ PROP. THERMOPLASTIC PVMT MARKING 4",
MEDIAN LANE, YELLOW (TYP.) | ⑮ PROP. THERMOPLASTIC PVMT MARKING LINE 12",
CROSSWALK 45° C-C 2', WHITE (TYP.) |

PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 3"
 PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, 2"
 PROP. POLY. HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 1"



Ⓐ PROP. PEDESTRIAN RAMP IMPROVEMENT,
REFER TO PROPOSED SIDEWALK DETAILS

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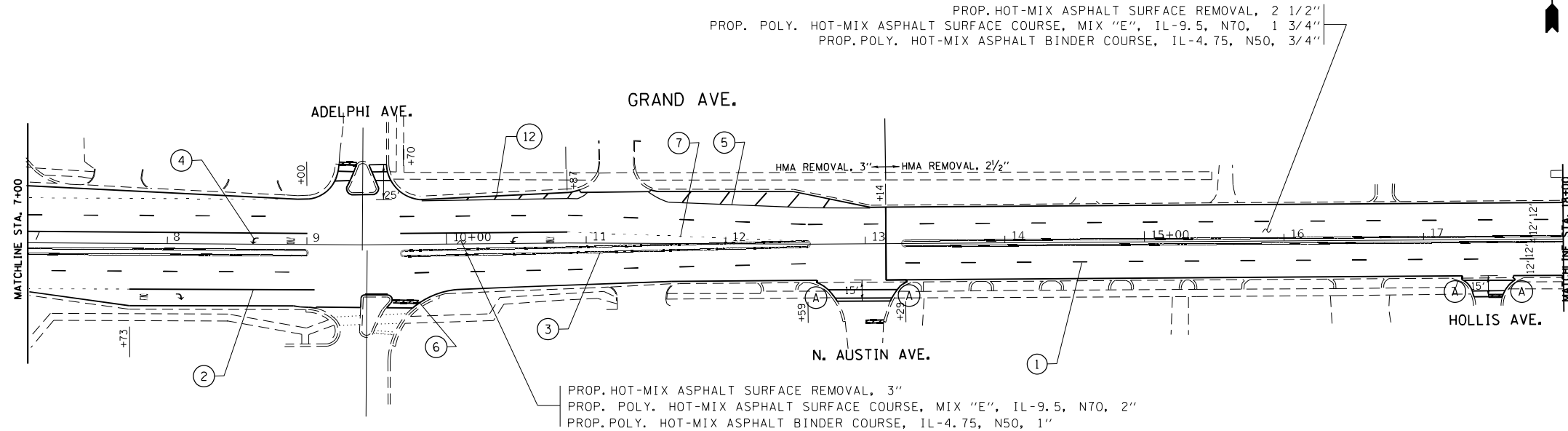
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

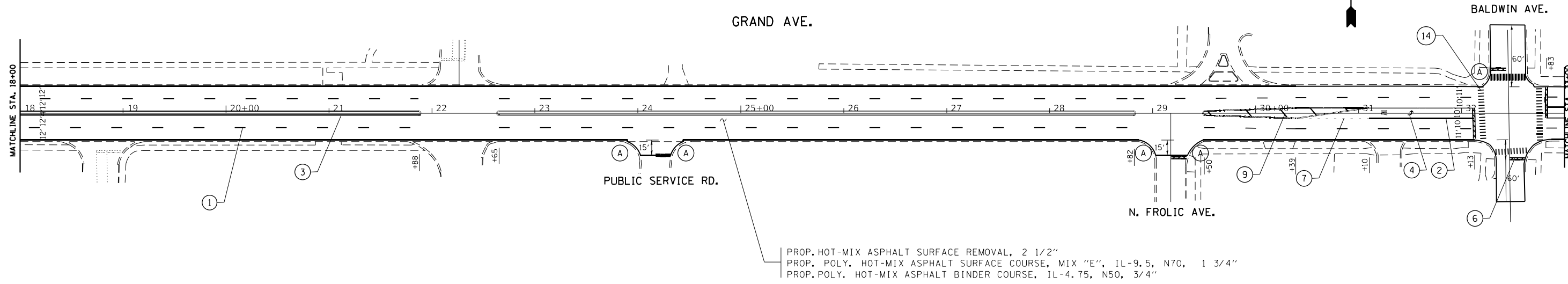
**ROADWAY PLAN GRAND AVE.
IL 131 (GREENBAY RD.) TO IL 137 (AMSTUTZ EXPY.)**

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-RS & SW	LAKE	90	10
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				



- | | | |
|--|--|---|
| ① PROP. THERMOPLASTIC PVMT MARKING 4", 10' DASH 30' SKIP, WHITE (TYP.) | ⑥ PROP. THERMOPLASTIC PVMT MARKING LINE, 24" STOPBAR, WHITE (TYP.) | ⑪ PROP. THERMOPLASTIC PVMT MARKING 4", 10' DASH 30' SKIP, YELLOW (TYP.) |
| ② PROP. THERMOPLASTIC PVMT MARKING 6", TURN LANE, WHITE (TYP.) | ⑦ PROP. THERMOPLASTIC PVMT MARKING 6", 2" DASH 6' SKIP, WHITE (TYP.) | ⑫ PROP. THERMOPLASTIC PVMT MARKING 12" GORE MARKING, 20' C-C, WHITE (TYP.) |
| ③ PROP. THERMOPLASTIC PVMT MARKING 4", DOUBLE YELLOW @ 11" C-C (TYP.) | ⑧ PROP. THERMOPLASTIC PVMT MARKING 8", EDGE LINE, WHITE (TYP.) | ⑬ PROP. THERMOPLASTIC PVMT MARKING 6", CROSSWALK 2 @ 6' C-C, WHITE (TYP.) |
| ④ PROP. THERMOPLASTIC PVMT MARKING LETTERS AND SYMBOLS, WHITE (TYP.) | ⑨ PROP. THERMOPLASTIC PVMT MARKING 12" MEDIAN @ 45' 75' C-C, YELLOW (TYP.) | ⑭ PROP. THERMOPLASTIC PVMT MARKING LINE 12", CROSSWALK 6' C-C 2', WHITE (TYP.) |
| ⑤ PROP. THERMOPLASTIC PVMT MARKING 4", SHOULDER LANE, WHITE (TYP.) | ⑩ PROP. THERMOPLASTIC PVMT MARKING 4", MEDIAN LANE, YELLOW (TYP.) | ⑮ PROP. THERMOPLASTIC PVMT MARKING LINE 12", CROSSWALK 45° C-C 2', WHITE (TYP.) |



- A PROP. PEDESTRIAN RAMP IMPROVEMENT, REFER TO PROPOSED SIDEWALK DETAILS

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	DATE -	REVISED -

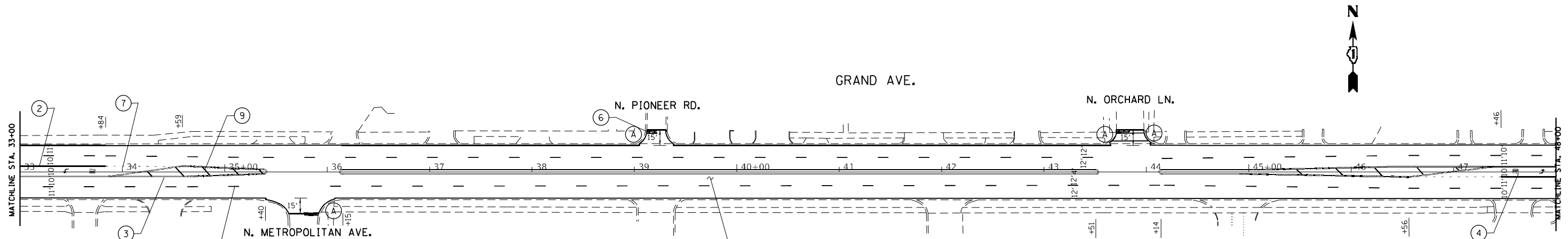
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN GRAND AVE.
 IL 131 (GREENBAY RD.) TO IL 137 (AMSTUTZ EXPY.)**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

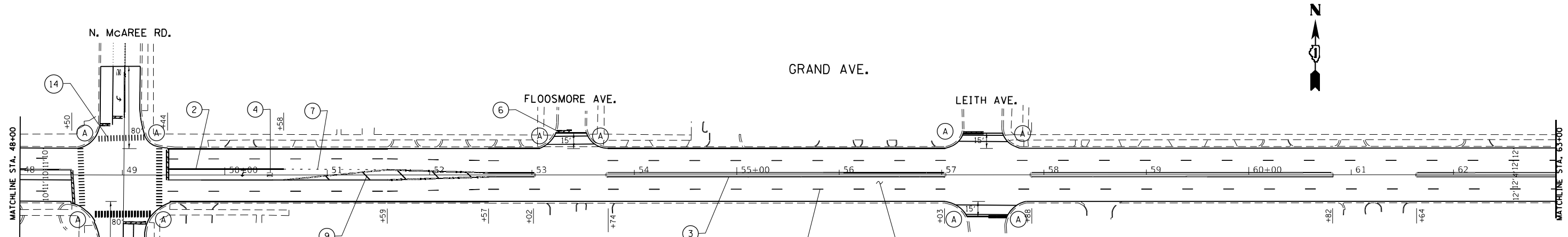
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-RS & SW	LAKE	90	11
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				

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PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, 1 3/4"
 PROP. POLY. HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"

- | | | |
|--|--|---|
| ① PROP. THERMOPLASTIC PVMT MARKING 4", 10' DASH 30' SKIP, WHITE (TYP.) | ⑥ PROP. THERMOPLASTIC PVMT MARKING LINE, 24" STOPBAR, WHITE (TYP.) | ⑪ PROP. THERMOPLASTIC PVMT MARKING 4", 10' DASH 30' SKIP, YELLOW (TYP.) |
| ② PROP. THERMOPLASTIC PVMT MARKING 6", TURN LANE, WHITE (TYP.) | ⑦ PROP. THERMOPLASTIC PVMT MARKING 6", 2" DASH 6' SKIP, WHITE (TYP.) | ⑫ PROP. THERMOPLASTIC PVMT MARKING 12" GORE MARKING, 20' C-C, WHITE (TYP.) |
| ③ PROP. THERMOPLASTIC PVMT MARKING 4", DOUBLE YELLOW @ 11" C-C (TYP.) | ⑧ PROP. THERMOPLASTIC PVMT MARKING 8", EDGE LINE, WHITE (TYP.) | ⑬ PROP. THERMOPLASTIC PVMT MARKING 6", CROSSWALK 2 @ 6' C-C, WHITE (TYP.) |
| ④ PROP. THERMOPLASTIC PVMT MARKING LETTERS AND SYMBOLS, WHITE (TYP.) | ⑨ PROP. THERMOPLASTIC PVMT MARKING 12" MEDIAN @ 45' 75' C-C, YELLOW (TYP.) | ⑭ PROP. THERMOPLASTIC PVMT MARKING LINE 12", CROSSWALK 6' C-C 2', WHITE (TYP.) |
| ⑤ PROP. THERMOPLASTIC PVMT MARKING 4", SHOULDER LANE, WHITE (TYP.) | ⑩ PROP. THERMOPLASTIC PVMT MARKING 4", MEDIAN LANE, YELLOW (TYP.) | ⑮ PROP. THERMOPLASTIC PVMT MARKING LINE 12", CROSSWALK 45' C-C 2', WHITE (TYP.) |



PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, 1 3/4"
 PROP. POLY. HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"

(A) PROP. PEDESTRIAN RAMP IMPROVEMENT, REFER TO PROPOSED SIDEWALK DETAILS

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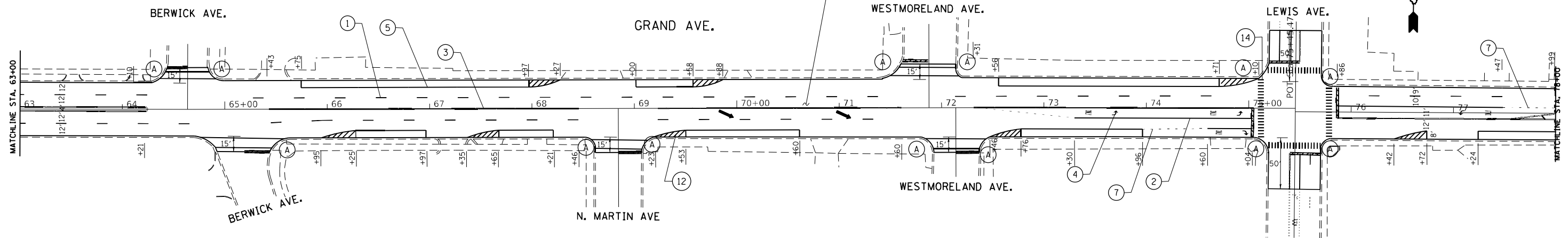
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN GRAND AVE.
 IL 131 (GREENBAY RD.) TO IL 137 (AMSTUTZ EXPY.)**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

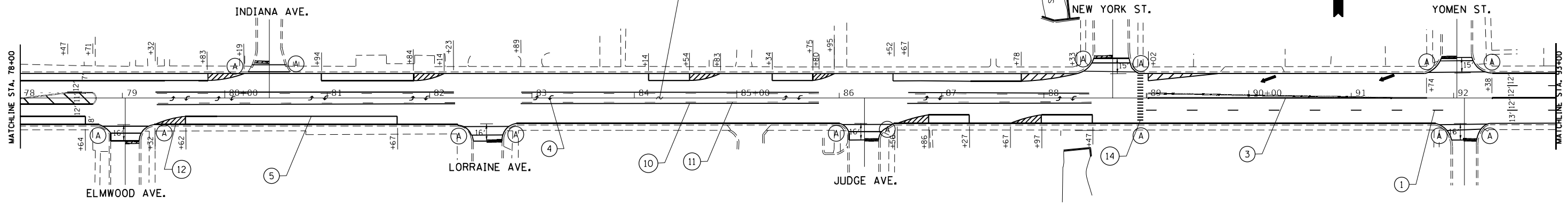
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-RS & SW	LAKE	90	12
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				

PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, 1 3/4"
 PROP. POLY. HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"



- | | | |
|--|--|---|
| ① PROP. THERMOPLASTIC PVMT MARKING 4", 10' DASH 30' SKIP, WHITE (TYP.) | ⑥ PROP. THERMOPLASTIC PVMT MARKING LINE, 24" STOPBAR, WHITE (TYP.) | ⑪ PROP. THERMOPLASTIC PVMT MARKING 4", 10' DASH 30' SKIP, YELLOW (TYP.) |
| ② PROP. THERMOPLASTIC PVMT MARKING 6", TURN LANE, WHITE (TYP.) | ⑦ PROP. THERMOPLASTIC PVMT MARKING 6", 2" DASH 6' SKIP, WHITE (TYP.) | ⑫ PROP. THERMOPLASTIC PVMT MARKING 12" GORE MARKING, 20' C-C, WHITE (TYP.) |
| ③ PROP. THERMOPLASTIC PVMT MARKING 4", DOUBLE YELLOW @ 11" C-C (TYP.) | ⑧ PROP. THERMOPLASTIC PVMT MARKING 8", EDGE LINE, WHITE (TYP.) | ⑬ PROP. THERMOPLASTIC PVMT MARKING 6", CROSSWALK 2 @ 6' C-C, WHITE (TYP.) |
| ④ PROP. THERMOPLASTIC PVMT MARKING LETTERS AND SYMBOLS, WHITE (TYP.) | ⑨ PROP. THERMOPLASTIC PVMT MARKING 12" MEDIAN @ 45' 75' C-C, YELLOW (TYP.) | ⑭ PROP. THERMOPLASTIC PVMT MARKING LINE 12", CROSSWALK 6' C-C 2', WHITE (TYP.) |
| ⑤ PROP. THERMOPLASTIC PVMT MARKING 4", SHOULDER LANE, WHITE (TYP.) | ⑩ PROP. THERMOPLASTIC PVMT MARKING 4", MEDIAN LANE, YELLOW (TYP.) | ⑮ PROP. THERMOPLASTIC PVMT MARKING LINE 12", CROSSWALK 45' C-C 2', WHITE (TYP.) |

PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, 1 3/4"
 PROP. POLY. HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"



Ⓐ PROP. PEDESTRIAN RAMP IMPROVEMENT, REFER TO PROPOSED SIDEWALK DETAILS

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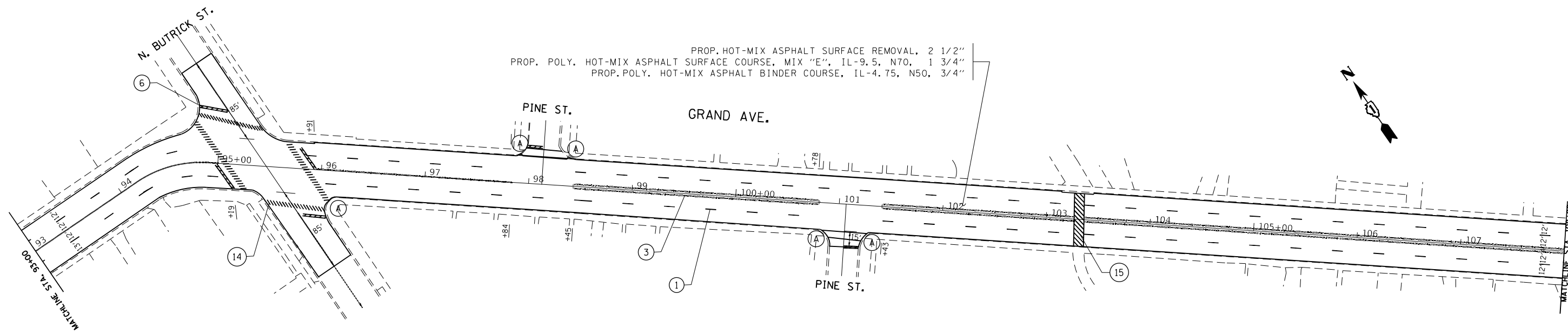
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

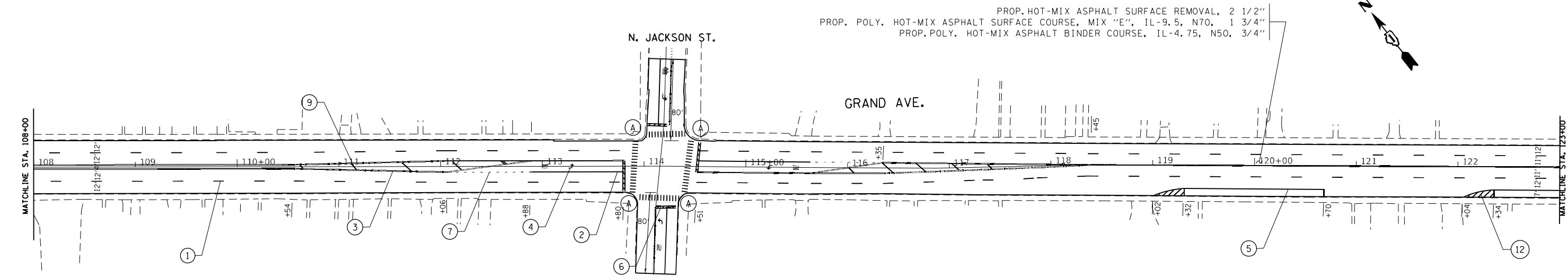
**ROADWAY PLAN GRAND AVE.
 IL. 131 (GREENBAY RD.) TO IL. 137 (AMSTUTZ EXPY.)**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 541	SECTION 2018-046-RS & SW	COUNTY LAKE	TOTAL SHEETS 90	SHEET NO. 13
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				



- | | | |
|--|--|---|
| ① PROP. THERMOPLASTIC PVMT MARKING 4", 10' DASH 30' SKIP, WHITE (TYP.) | ⑥ PROP. THERMOPLASTIC PVMT MARKING LINE, 24" STOPBAR, WHITE (TYP.) | ⑪ PROP. THERMOPLASTIC PVMT MARKING 4", 10' DASH 30' SKIP, YELLOW (TYP.) |
| ② PROP. THERMOPLASTIC PVMT MARKING 6", TURN LANE, WHITE (TYP.) | ⑦ PROP. THERMOPLASTIC PVMT MARKING 6", 2" DASH 6' SKIP, WHITE (TYP.) | ⑫ PROP. THERMOPLASTIC PVMT MARKING 12" GORE MARKING, 20' C-C, WHITE (TYP.) |
| ③ PROP. THERMOPLASTIC PVMT MARKING 4", DOUBLE YELLOW @ 11" C-C (TYP.) | ⑧ PROP. THERMOPLASTIC PVMT MARKING 8", EDGE LINE, WHITE (TYP.) | ⑬ PROP. THERMOPLASTIC PVMT MARKING 6", CROSSWALK 2 @ 6' C-C, WHITE (TYP.) |
| ④ PROP. THERMOPLASTIC PVMT MARKING LETTERS AND SYMBOLS, WHITE (TYP.) | ⑨ PROP. THERMOPLASTIC PVMT MARKING 12" MEDIAN @ 45' 75' C-C, YELLOW (TYP.) | ⑭ PROP. THERMOPLASTIC PVMT MARKING LINE 12", CROSSWALK 6' C-C 2', WHITE (TYP.) |
| ⑤ PROP. THERMOPLASTIC PVMT MARKING 4", SHOULDER LANE, WHITE (TYP.) | ⑩ PROP. THERMOPLASTIC PVMT MARKING 4", MEDIAN LANE, YELLOW (TYP.) | ⑮ PROP. THERMOPLASTIC PVMT MARKING LINE 12", CROSSWALK 45° C-C 2', WHITE (TYP.) |



Ⓐ PROP. PEDESTRIAN RAMP IMPROVEMENT, REFER TO PROPOSED SIDEWALK DETAILS

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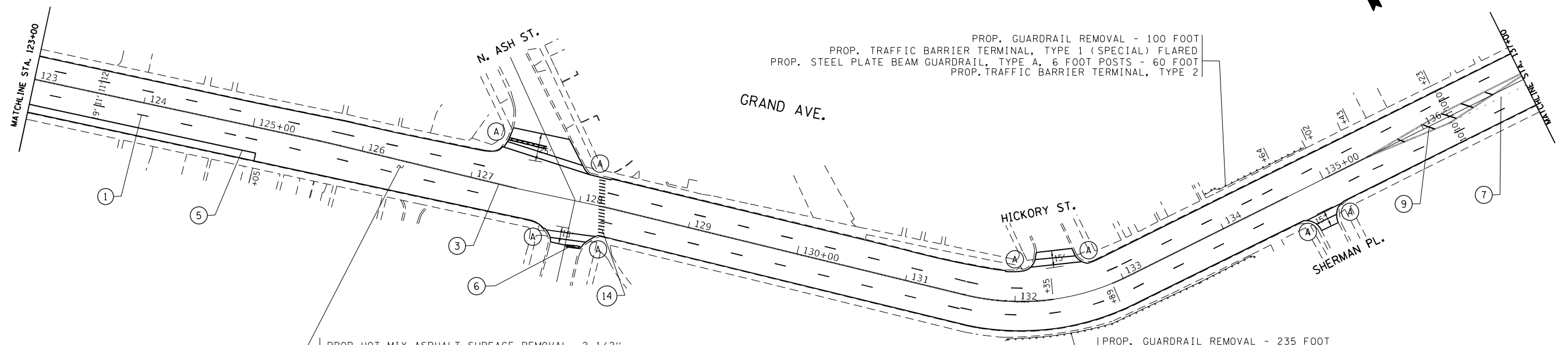
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN GRAND AVE.
IL. 131 (GREENBAY RD.) TO IL. 137 (AMSTUTZ EXPY.)**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-RS & SW	LAKE	90	14
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				



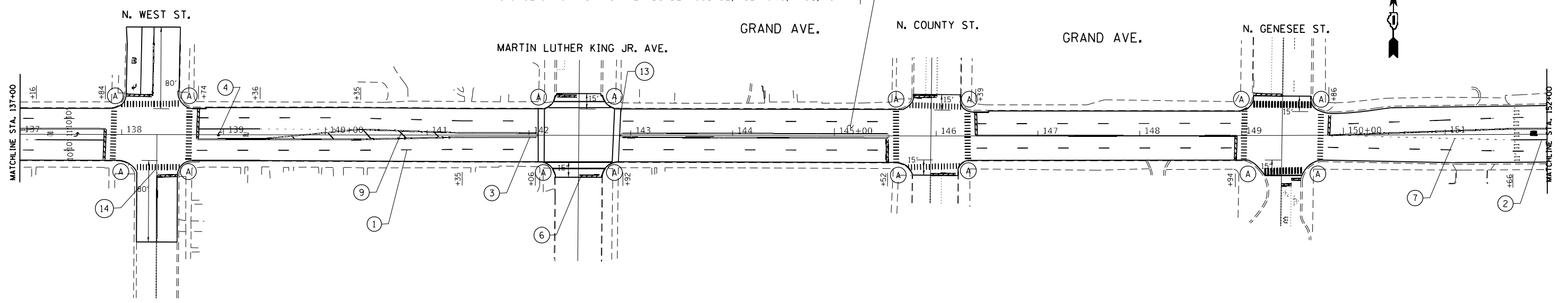
PROP. GUARDRAIL REMOVAL - 100 FOOT
 PROP. TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
 PROP. STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS - 60 FOOT
 PROP. TRAFFIC BARRIER TERMINAL, TYPE 2

PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, 1 3/4"
 PROP. POLY. HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"

PROP. GUARDRAIL REMOVAL - 235 FOOT
 PROP. TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED
 PROP. STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS - 198 FOOT
 PROP. TRAFFIC BARRIER TERMINAL, TYPE 2

- | | | |
|--|---|---|
| ① PROP. THERMOPLASTIC PVMT MARKING 4", 10' DASH 30" SKIP, WHITE (TYP.) | ⑥ PROP. THERMOPLASTIC PVMT MARKING LINE, 24" STOPBAR, WHITE (TYP.) | ⑪ PROP. THERMOPLASTIC PVMT MARKING 4", 10' DASH 30" SKIP, YELLOW (TYP.) |
| ② PROP. THERMOPLASTIC PVMT MARKING 6", TURN LANE, WHITE (TYP.) | ⑦ PROP. THERMOPLASTIC PVMT MARKING 6", 2' DASH 6" SKIP, WHITE (TYP.) | ⑫ PROP. THERMOPLASTIC PVMT, MARKING 12" CORE MARKING, 20' C-C, WHITE (TYP.) |
| ③ PROP. THERMOPLASTIC PVMT MARKING 4", DOUBLE YELLOW @ 11" C-C (TYP.) | ⑧ PROP. THERMOPLASTIC PVMT MARKING 8", EDGE LINE, WHITE (TYP.) | ⑬ PROP. THERMOPLASTIC PVMT MARKING 6", CROSSWALK 2 @ 6' C-C, WHITE (TYP.) |
| ④ PROP. THERMOPLASTIC PVMT, MARKING LETTERS AND SYMBOLS, WHITE (TYP.) | ⑨ PROP. THERMOPLASTIC PVMT, MARKING 12" MEDIAN @ 45' 75' C-C, YELLOW (TYP.) | ⑭ PROP. THERMOPLASTIC PVMT MARKING LINE 12", CROSSWALK 6' C-C 2', WHITE (TYP.) |
| ⑤ PROP. THERMOPLASTIC PVMT MARKING 4", SHOULDER LANE, WHITE (TYP.) | ⑩ PROP. THERMOPLASTIC PVMT MARKING 4", MEDIAN LANE, YELLOW (TYP.) | ⑮ PROP. THERMOPLASTIC PVMT MARKING LINE 12", CROSSWALK 45' C-C 2', WHITE (TYP.) |

PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, 1 3/4"
 PROP. POLY. HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"



Ⓐ PROP. PEDESTRIAN RAMP IMPROVEMENT, REFER TO PROPOSED SIDEWALK DETAILS

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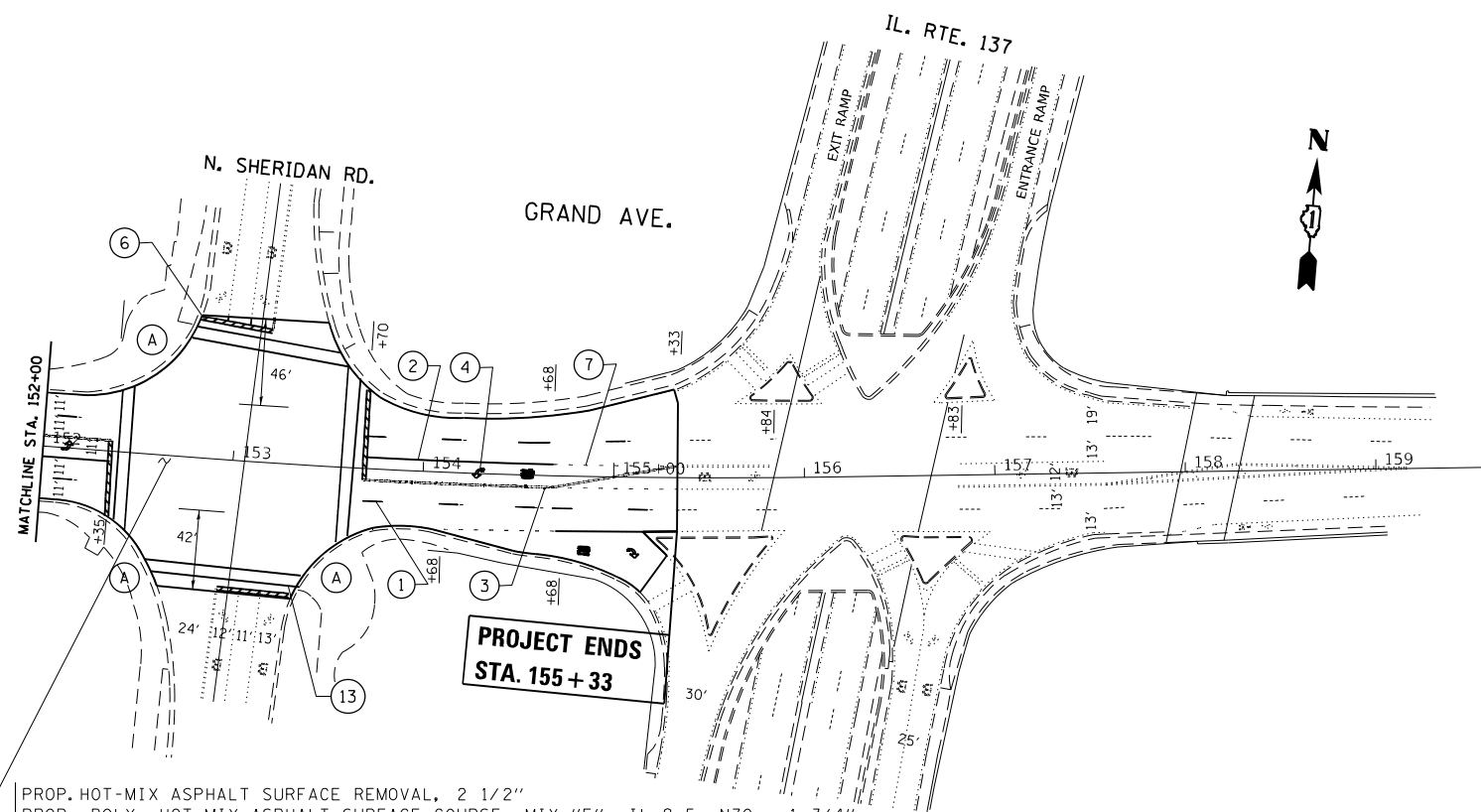
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PLOT SCALE = 100,000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/22/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN GRAND AVE.
 IL. 131 (GREENBAY RD.) TO IL. 137 (AMSTUTZ EXPY.)**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-RS & SW	LAKE	90	15
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				



PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 PROP. POLY. HOT-MIX ASPHALT SURFACE COURSE, MIX "E", 1L-9.5, N70, 1 3/4"
 PROP. POLY. HOT-MIX ASPHALT BINDER COURSE, 1L-4.75, N50, 3/4"

- | | | |
|--|--|---|
| ① PROP. THERMOPLASTIC PVMT MARKING 4", 10' DASH 30' SKIP, WHITE (TYP.) | ⑥ PROP. THERMOPLASTIC PVMT MARKING LINE, 24" STOPBAR, WHITE (TYP.) | ⑪ PROP. THERMOPLASTIC PVMT MARKING 4", 10' DASH 30' SKIP, YELLOW (TYP.) |
| ② PROP. THERMOPLASTIC PVMT MARKING 6", TURN LANE, WHITE (TYP.) | ⑦ PROP. THERMOPLASTIC PVMT MARKING 6", 2' DASH 6' SKIP, WHITE (TYP.) | ⑫ PROP. THERMOPLASTIC PVMT MARKING 12" GORE MARKING, 20' C-C, WHITE (TYP.) |
| ③ PROP. THERMOPLASTIC PVMT MARKING 4", DOUBLE YELLOW @ 11" C-C (TYP.) | ⑧ PROP. THERMOPLASTIC PVMT MARKING 8", EDGE LINE, WHITE (TYP.) | ⑬ PROP. THERMOPLASTIC PVMT MARKING 6", CROSSWALK 2 @ 6' C-C, WHITE (TYP.) |
| ④ PROP. THERMOPLASTIC PVMT MARKING LETTERS AND SYMBOLS, WHITE (TYP.) | ⑨ PROP. THERMOPLASTIC PVMT MARKING 12" MEDIAN @ 45' 75' C-C, YELLOW (TYP.) | ⑭ PROP. THERMOPLASTIC PVMT MARKING LINE 12", CROSSWALK 6' C-C 2', WHITE (TYP.) |
| ⑤ PROP. THERMOPLASTIC PVMT MARKING 4", SHOULDER LANE, WHITE (TYP.) | ⑩ PROP. THERMOPLASTIC PVMT MARKING 4", MEDIAN LANE, YELLOW (TYP.) | ⑮ PROP. THERMOPLASTIC PVMT MARKING LINE 12", CROSSWALK 45' C-C 2', WHITE (TYP.) |

Ⓐ PROP. PEDESTRIAN RAMP IMPROVEMENT, REFER TO PROPOSED SIDEWALK DETAILS

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PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/22/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

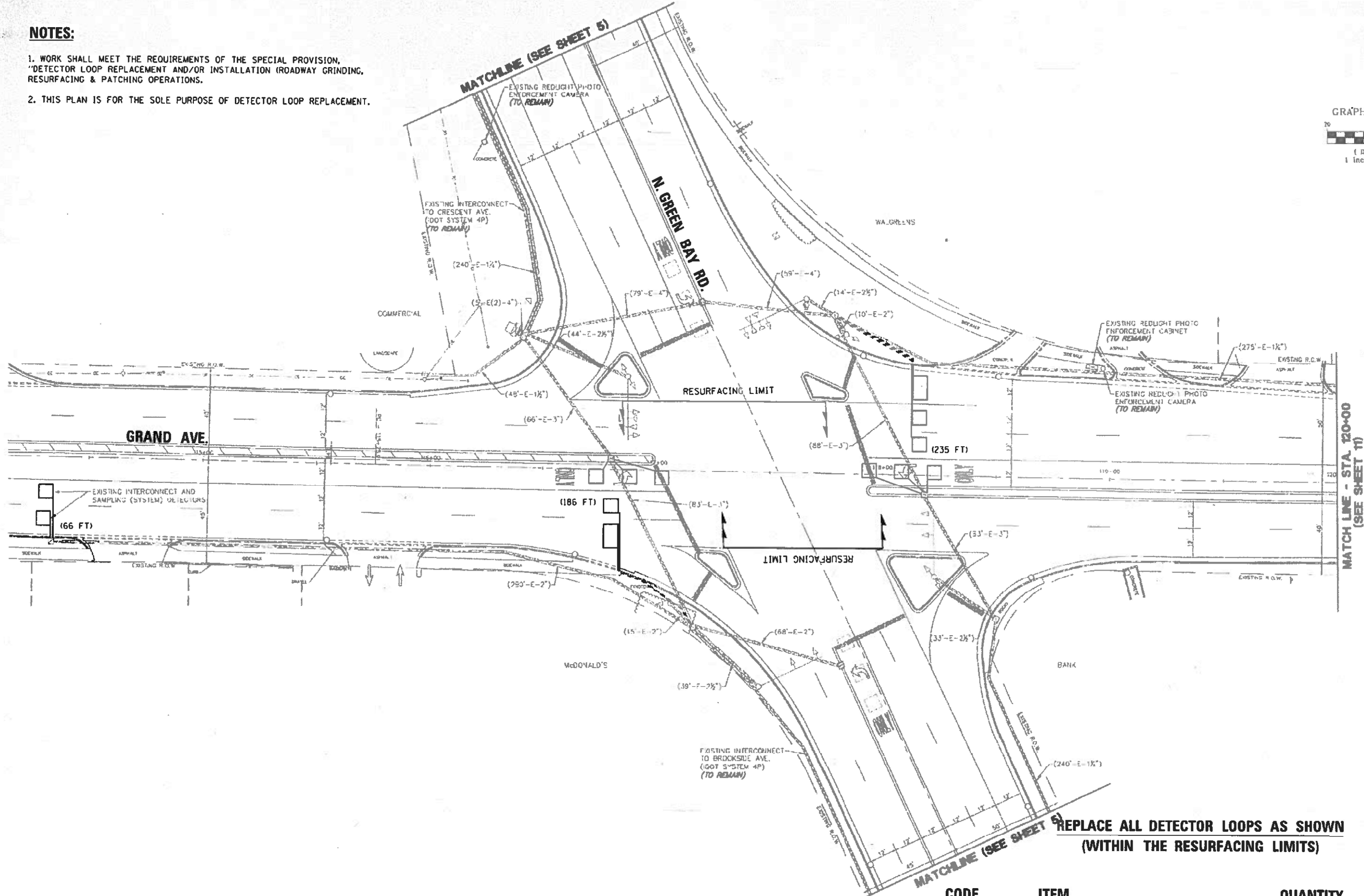
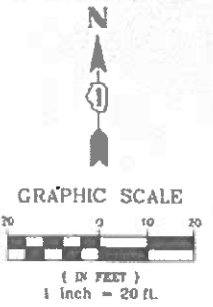
**ROADWAY PLAN GRAND AVE.
 IL. 131 (GREENBAY RD.) TO IL. 137 (AMSTUTZ EXPY.)**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-RS & SW	LAKE	90	16
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

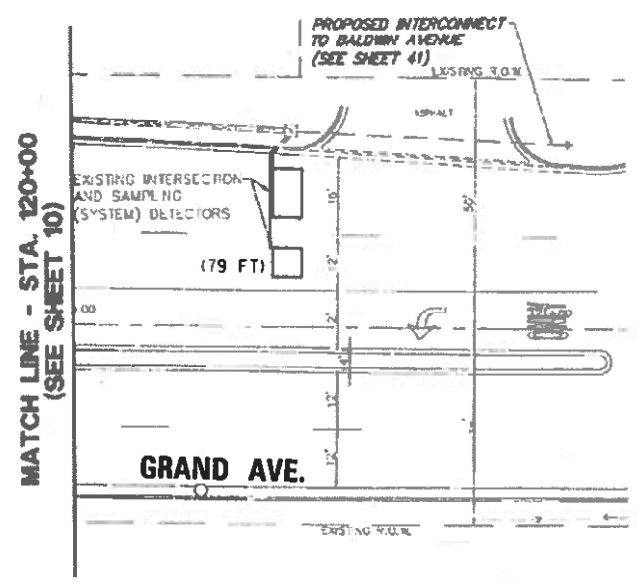
CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	487	FOOT

FILE NAME : 62406 -IL 132 Grand Ave. @ N. Green Bay Rd.dgn	USER NAME : vjgoss	DESIGNED - AV	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN GRAND AVE. AT N. GREEN BAY RD.	F.A.P. RTE. : 541	SECTION : 2018-046-RS & SW	COUNTY : LAKE	TOTAL SHEETS : 90	SHEET NO. : 17	
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	PLOT DATE = 2/7/2019	CHECKED - LP	REVISED -			(ILLINOIS) FED. AID PROJECT					
		DATE - 02/07/2019	REVISED -								



NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



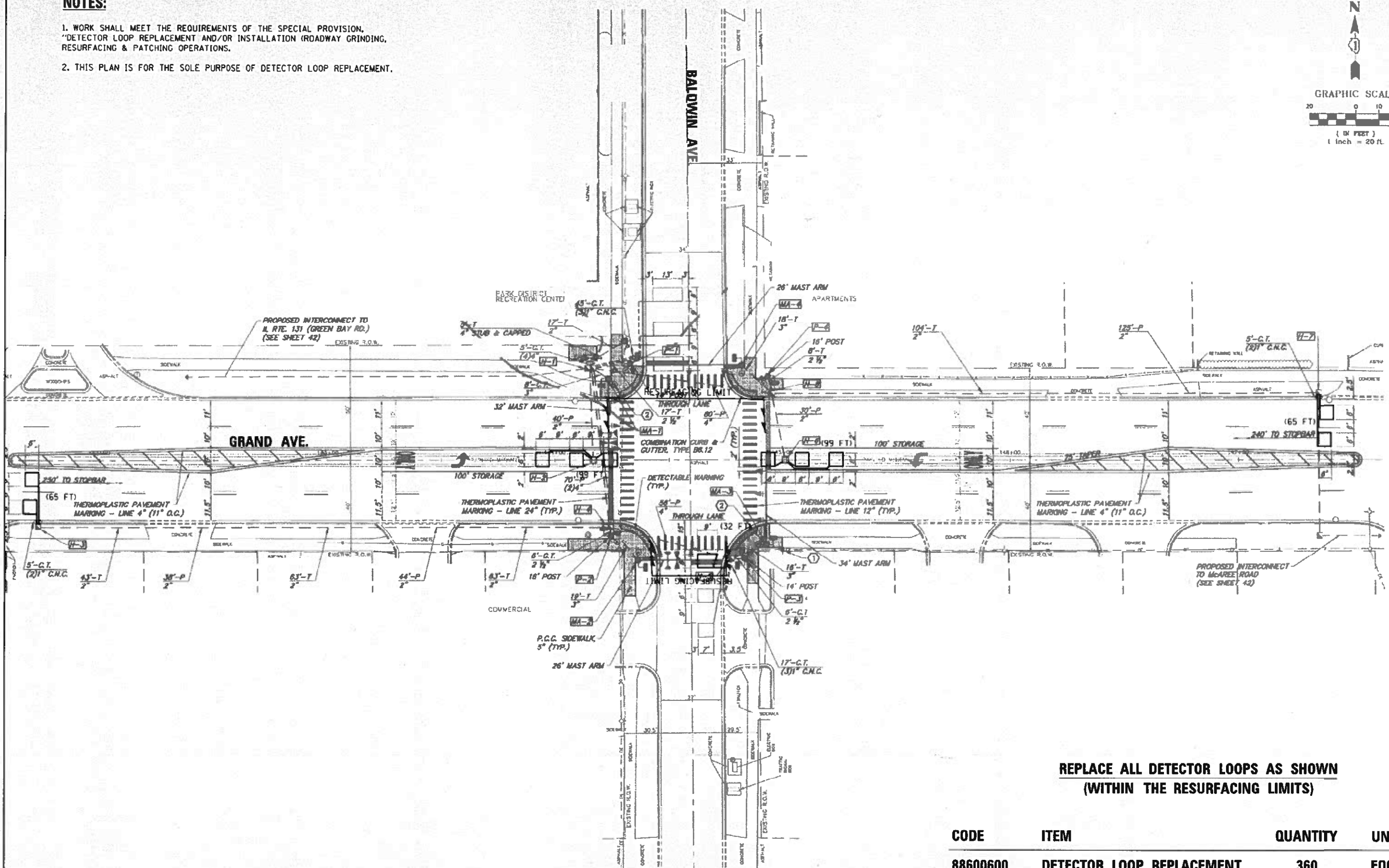
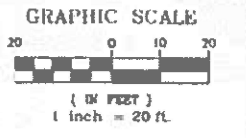
**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	79	FOOT

FILE NAME =	USER NAME = vargasa	DESIGNED - AV	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN GRAND AVE. AT N. GREEN BAY RD.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
62106 -IL 132 Grand Ave. @ N. Green Bay Rd	2.dgn	DRAWN - AV	REVISED -			541	2018-046-RS & SW	LAKE	90	18	
Default	PLOT SCALE = 48.8288 1/2 in.	CHECKED - LP	REVISED -			CONTRACT NO. 62H06					
	PLOT DATE = 2/7/2019	DATE - 02/07/2019	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE:		SHEET OF SHEETS STA. TO STA.					

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	360	FOOT

FILE NAME =	USER NAME = vargosa	DESIGNED - AV	REVISED -
62H06 - IL 132 Grand Ave @ Baldwin Ave		DRAWN - AV	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

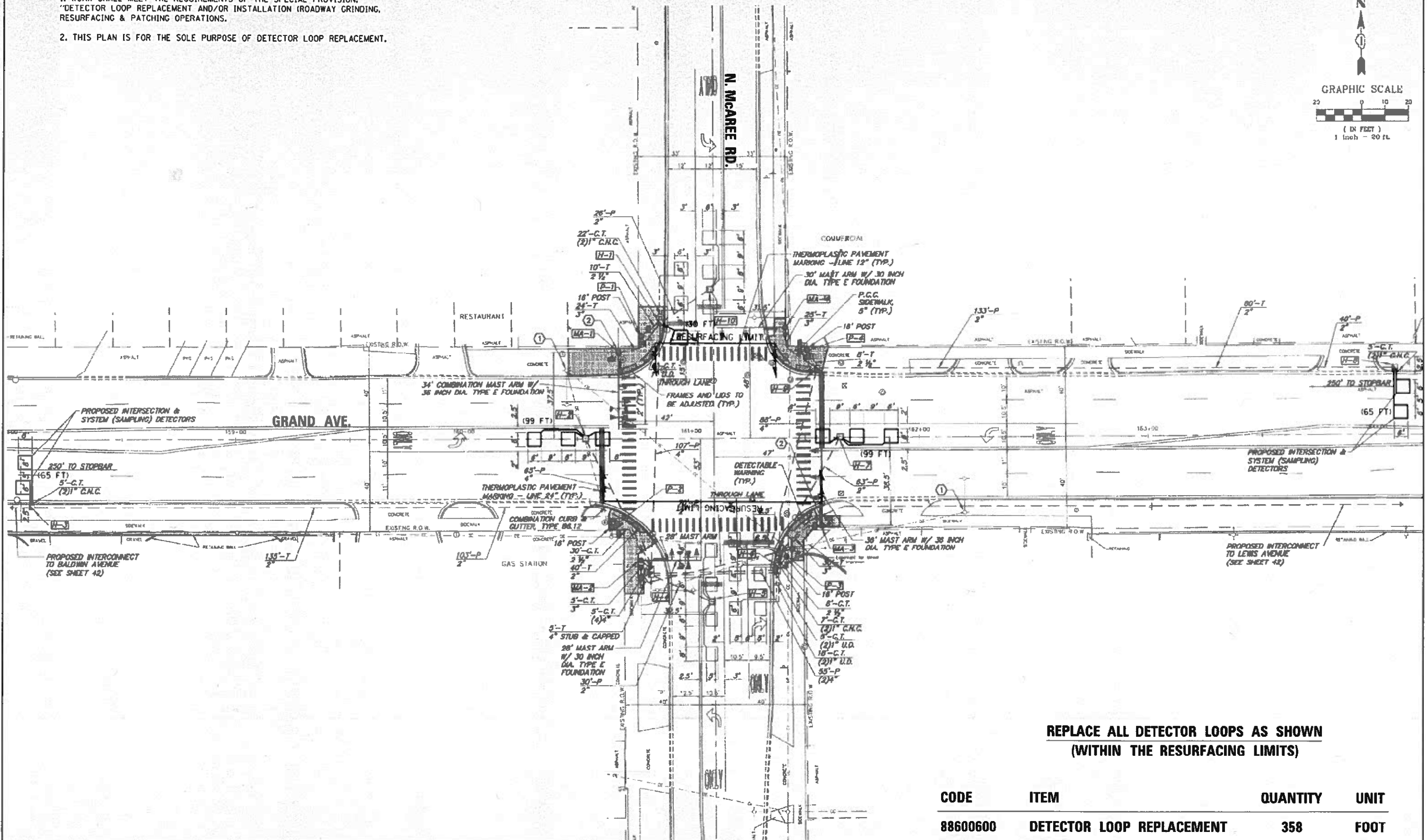
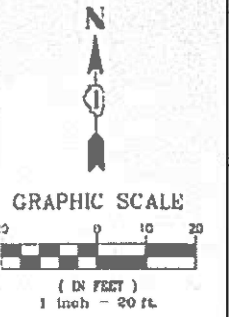
**DETECTOR LOOP REPLACEMENT PLAN
GRAND AVE. AT BALDWIN AVE.**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 541	SECTION 2018-046-RS & SW	COUNTY LAKE	TOTAL SHEETS 90	SHEET NO. 19
CONTRACT NO. 62H06			ILLINOIS FED. AID PROJECT	

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	358	FOOT

FILE NAME =	USER NAME = vargoso	DESIGNED - AV	REVISED -
62406 - IL 132 Grand Ave. @ McAree Rd.dwg		DRAWN - AV	REVISED -
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	PLOT DATE = 2/8/2019	DATE - 02/08/2019	REVISED -

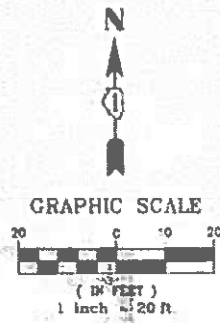
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
GRAND AVE. AT N. McAREE RD.**

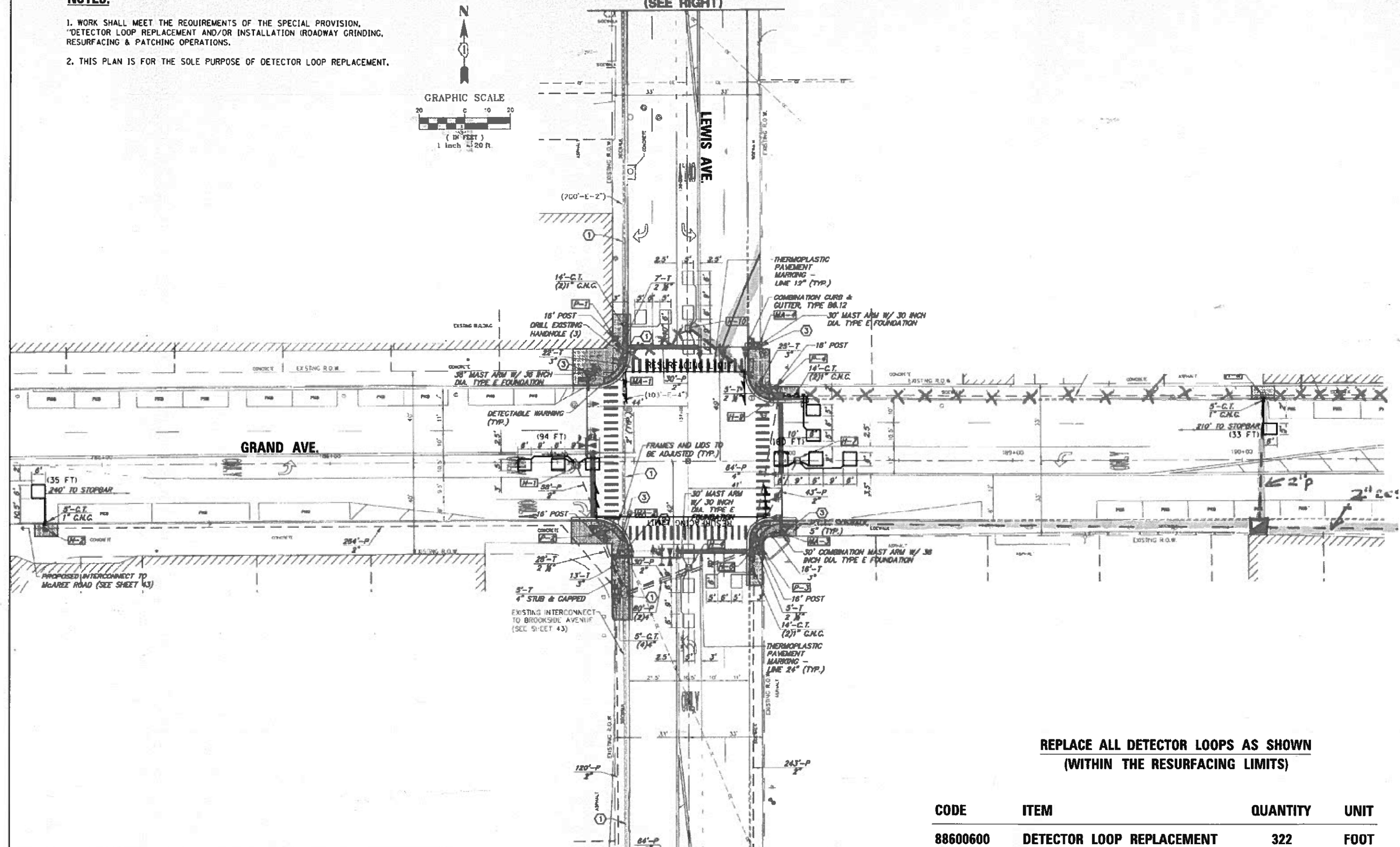
F.A.P. RTE. 541	SECTION 2018-046-RS & SW	COUNTY LAKE	TOTAL SHEETS 90	SHEET NO. 20
SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 62406
ILLINOIS FED. AID PROJECT				

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



MATCH LINE STA. 138+75
(SEE RIGHT)



**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	322	FOOT

FILE NAME : 62H06 -IL 132 Grand Ave. @ Lewis Ave.dgn
Default

USER NAME : vargasa
DESIGNED - AV
DRAWN - AV
CHECKED - LP
DATE - 02/08/2019
REVISOR -
REVISIONS -
REVISIONS -
REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

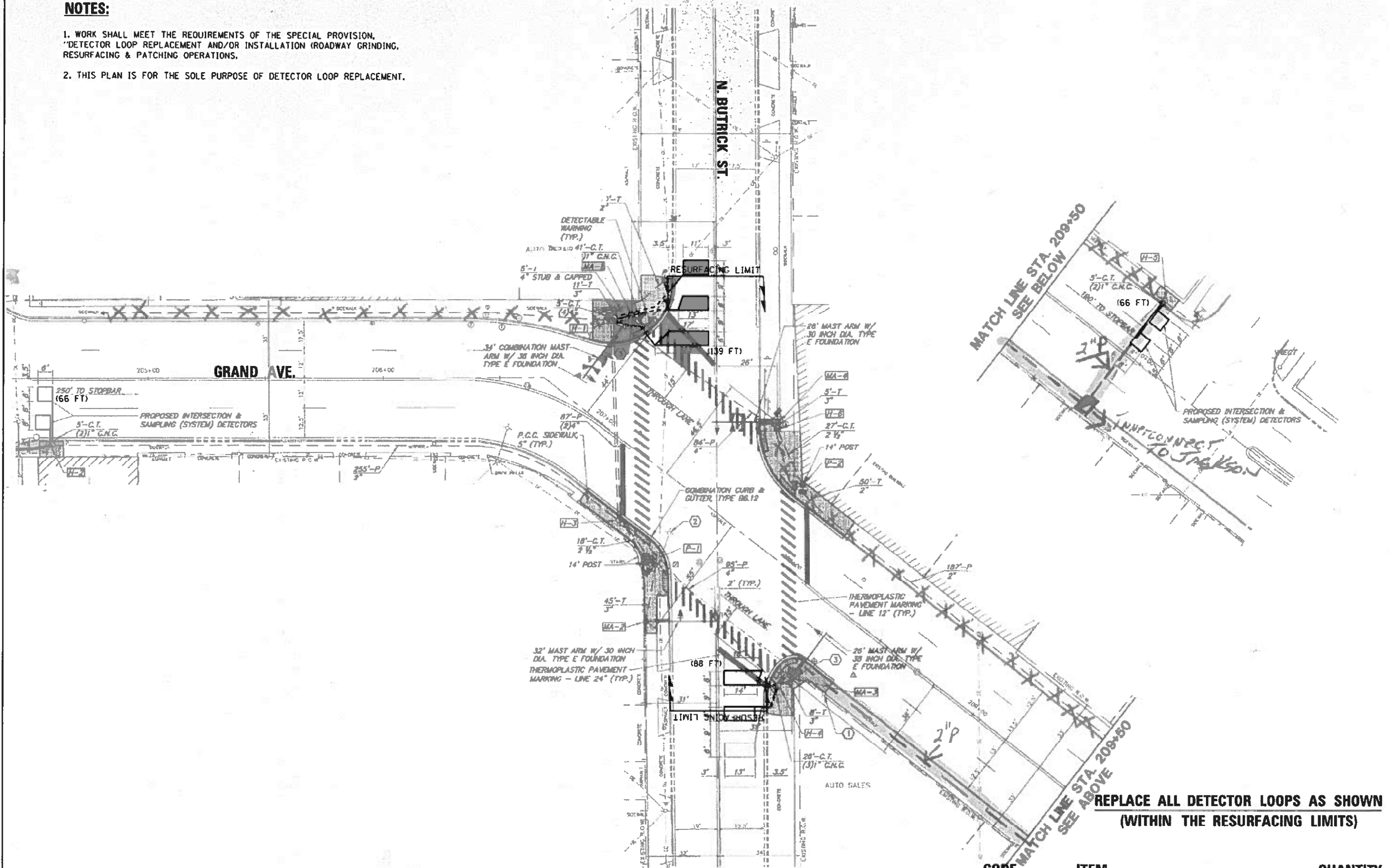
DETECTOR LOOP REPLACEMENT PLAN
GRAND AVE. AT LEWIS AVE.

F.A.P. RTE. 541	SECTION 2018-046-R5 & SW	COUNTY LAKE	TOTAL SHEETS 90	SHEET NO. 21
CONTRACT NO. 62H06				ILLINOIS FED. AID PROJECT

SCALE: SHEET OF SHEETS STA. TO STA.

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	359	FOOT

FILE NAME *	USER NAME * vargasa	DESIGNED - AV	REVISED -
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Default		CHECKED - LP	REVISED -
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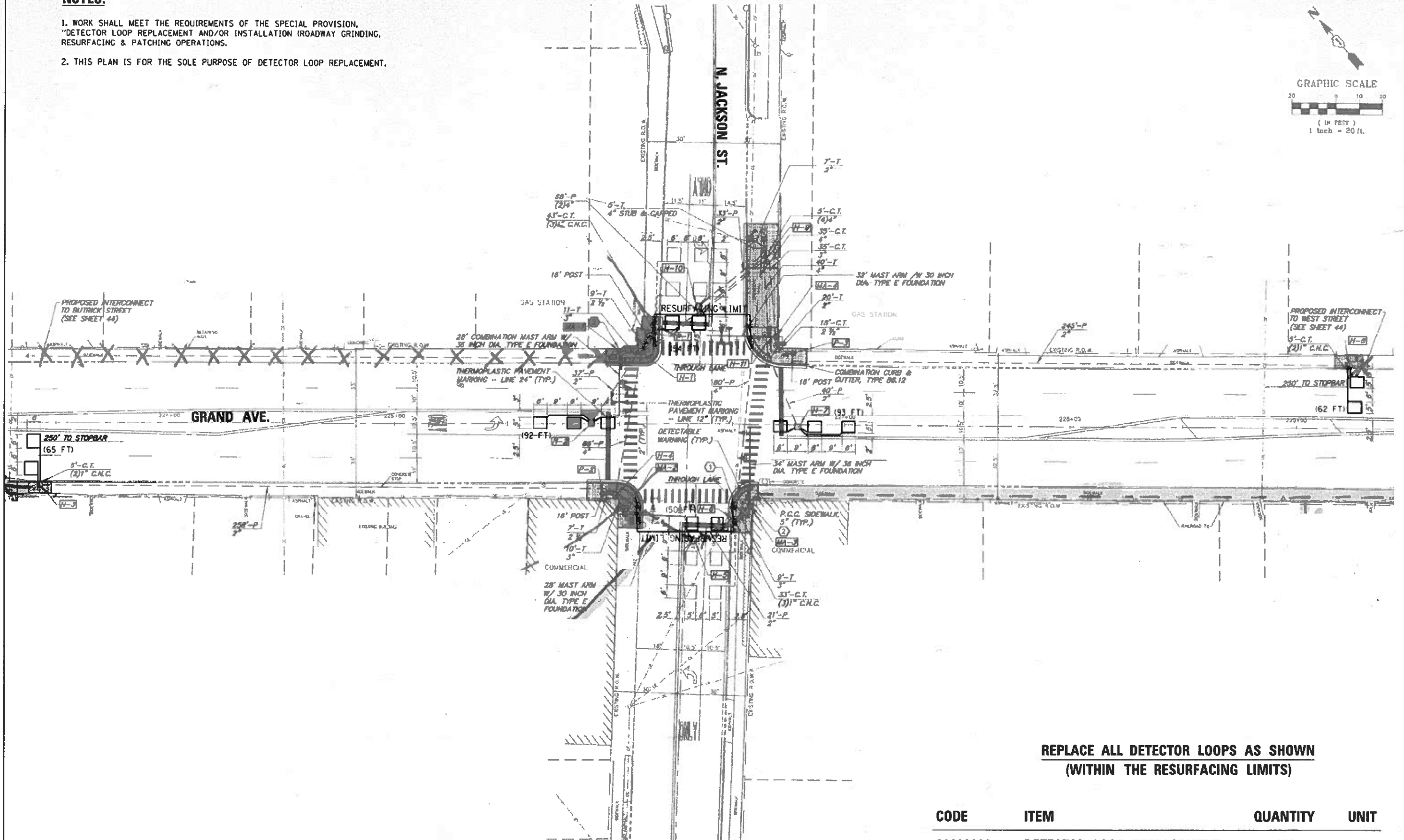
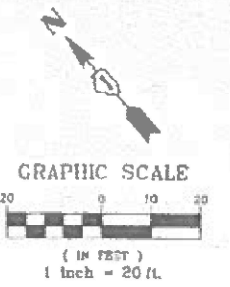
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETECTOR LOOP REPLACEMENT PLAN GRAND AVE. AT N. BUTRICK ST.			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE. 541	SECTION 2018-046-RS & SW	COUNTY LAKE	TOTAL SHEETS 90	SHEET NO. 22
CONTRACT NO. 62H06				ILLINOIS FED. AID PROJECT

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	416	FOOT

FILE NAME : 62H06 - IL 132 Grand Ave. @ N. Jackson St.dwg	USER NAME : vargosa	DESIGNED - AV	REVISED -
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		CHECKED - LP	REVISED -
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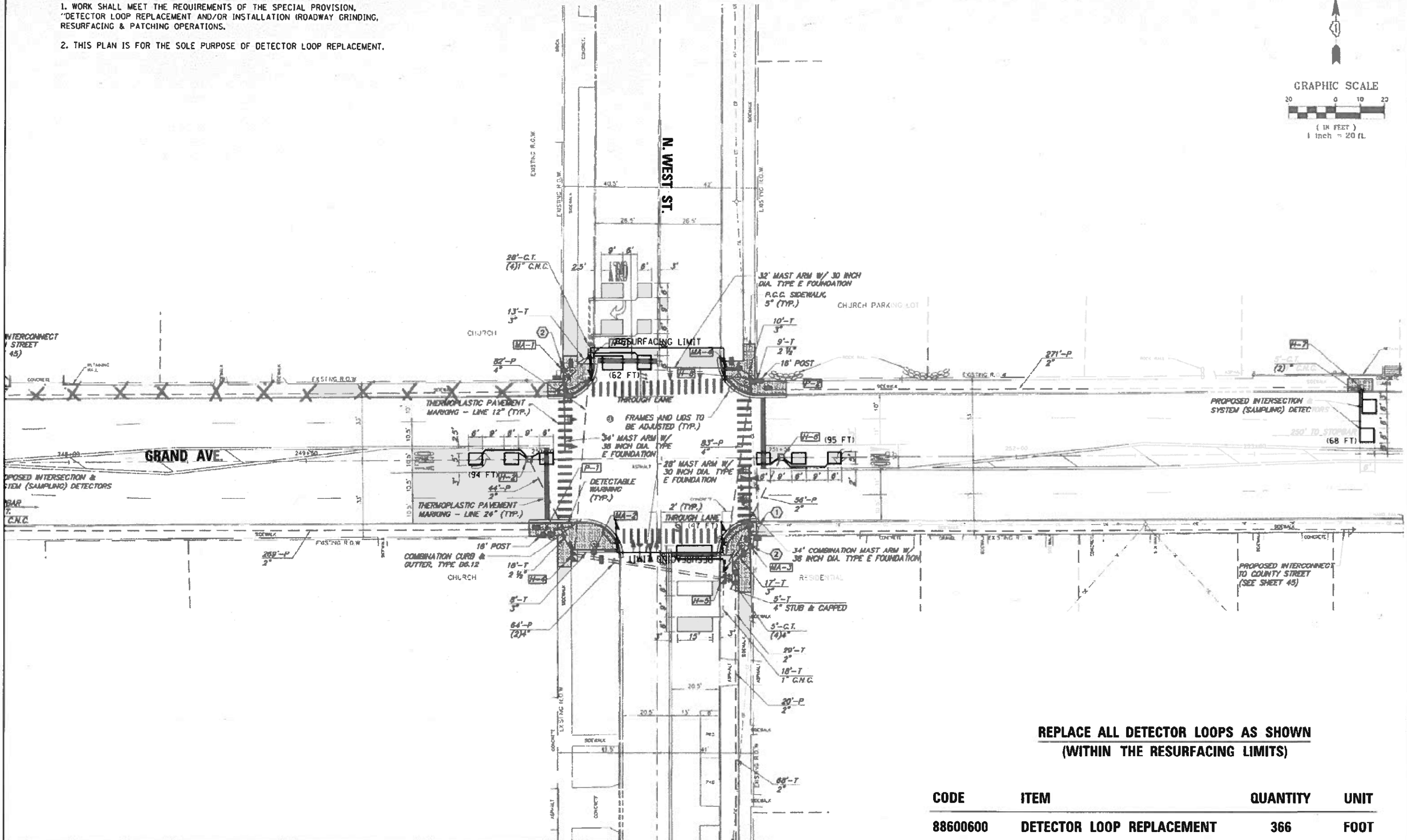
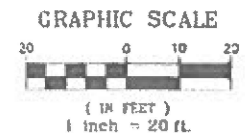
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN
GRAND AVE. AT N. JACKSON ST.**

F.A.P. RTE. 541	SECTION 2018-046-RS & SW	COUNTY LAKE	TOTAL SHEETS 90	SHEET NO. 23
SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 62H06
ILLINOIS FED. AID PROJECT				

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	366	FOOT

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Default	PLOT DATE = 2/11/2019	DATE = 02/11/2019	REVISED =

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

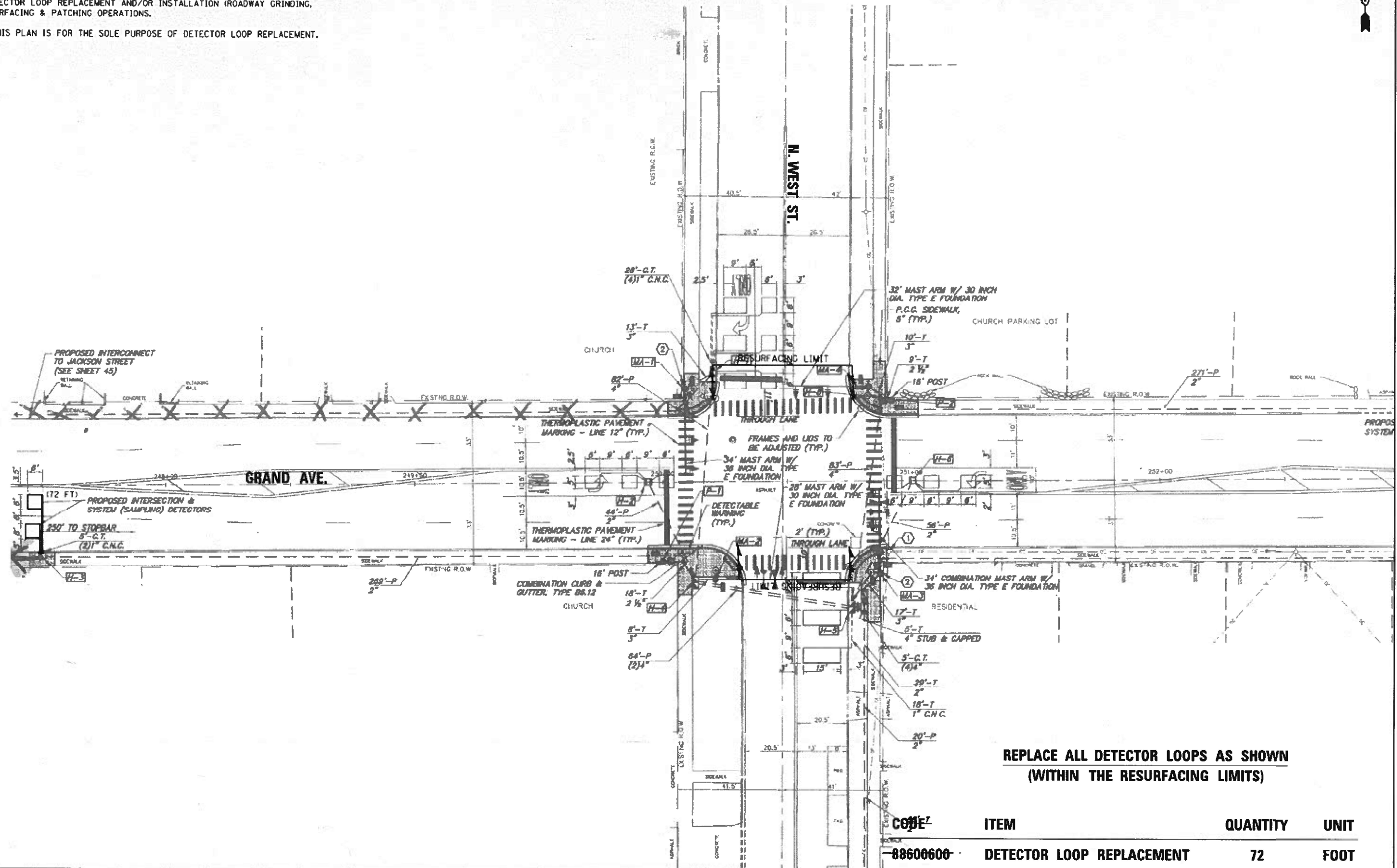
**DETECTOR LOOP REPLACEMENT PLAN
GRAND AVE. AT N. WEST ST.**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 541	SECTION 2018-046-RS & SW	COUNTY LAKE	TOTAL SHEETS 90	SHEET NO. 24
			CONTRACT NO. 62H06	
ILLINOIS FED. AID PROJECT				

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	72	FOOT

FILE NAME * R2H06 -IL 132 Grand Ave. @ N. West St.	USER NAME * vargasa	DESIGNED - AV	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

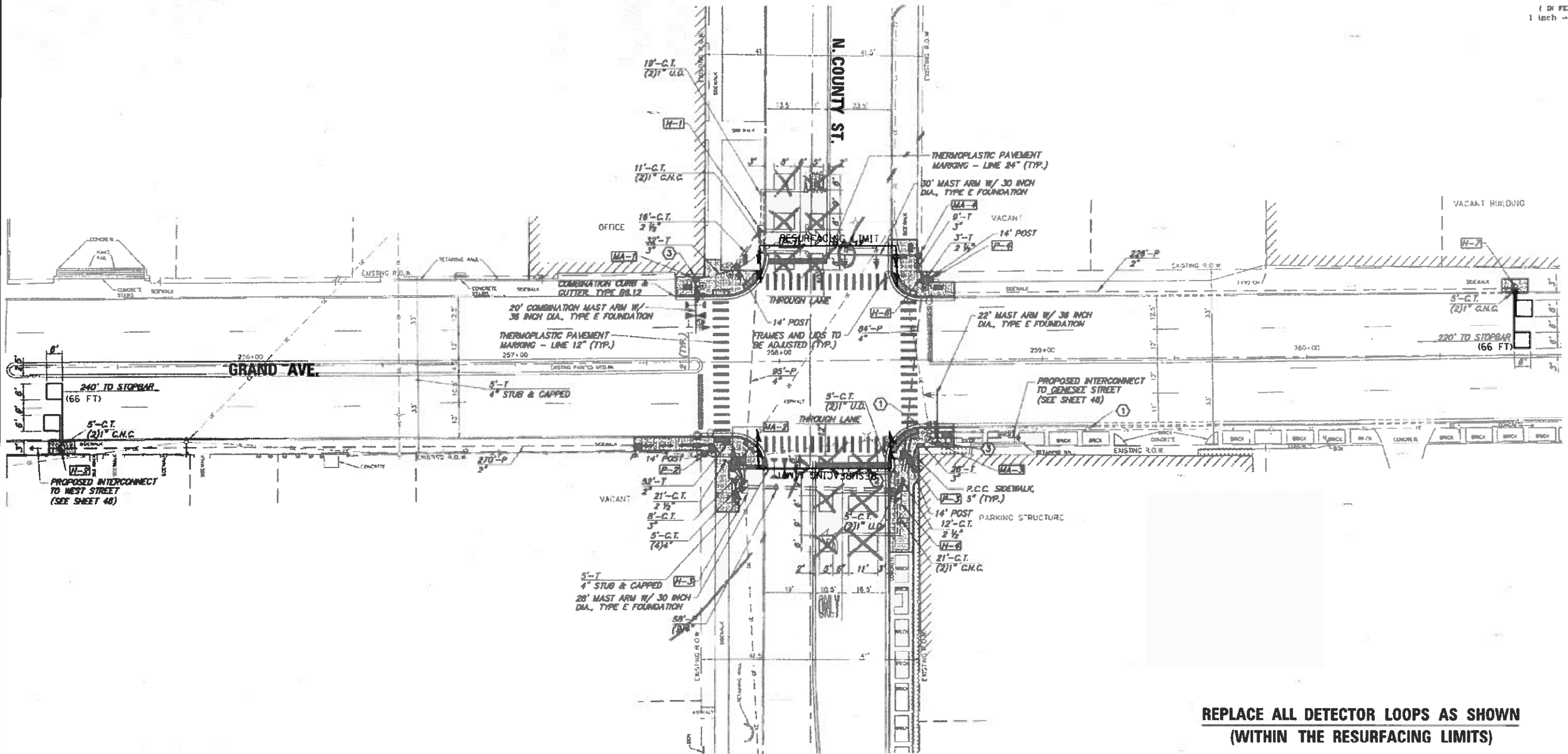
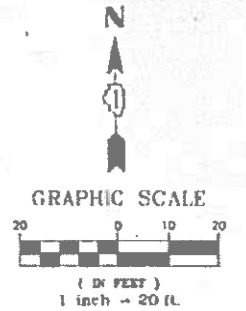
**DETECTOR LOOP REPLACEMENT PLAN
GRAND AVE. AT N. WEST ST.**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 541	SECTION 2018-046-RS & SW	COUNTY LAKE	TOTAL SHEETS 90	SHEET NO. 25
CONTRACT NO. 62H06				ILLINOIS FED. AID PROJECT

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	132	FOOT

FILE NAME :	USER NAME :	DESIGNED :	REVISED :
62406 -IL 132 Grand Ave. @ N. County St.	vargaso	AV	
		DRAWN :	REVISED :
		AV	
		CHECKED :	REVISED :
		LP	
		DATE :	REVISED :
		02/11/2019	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

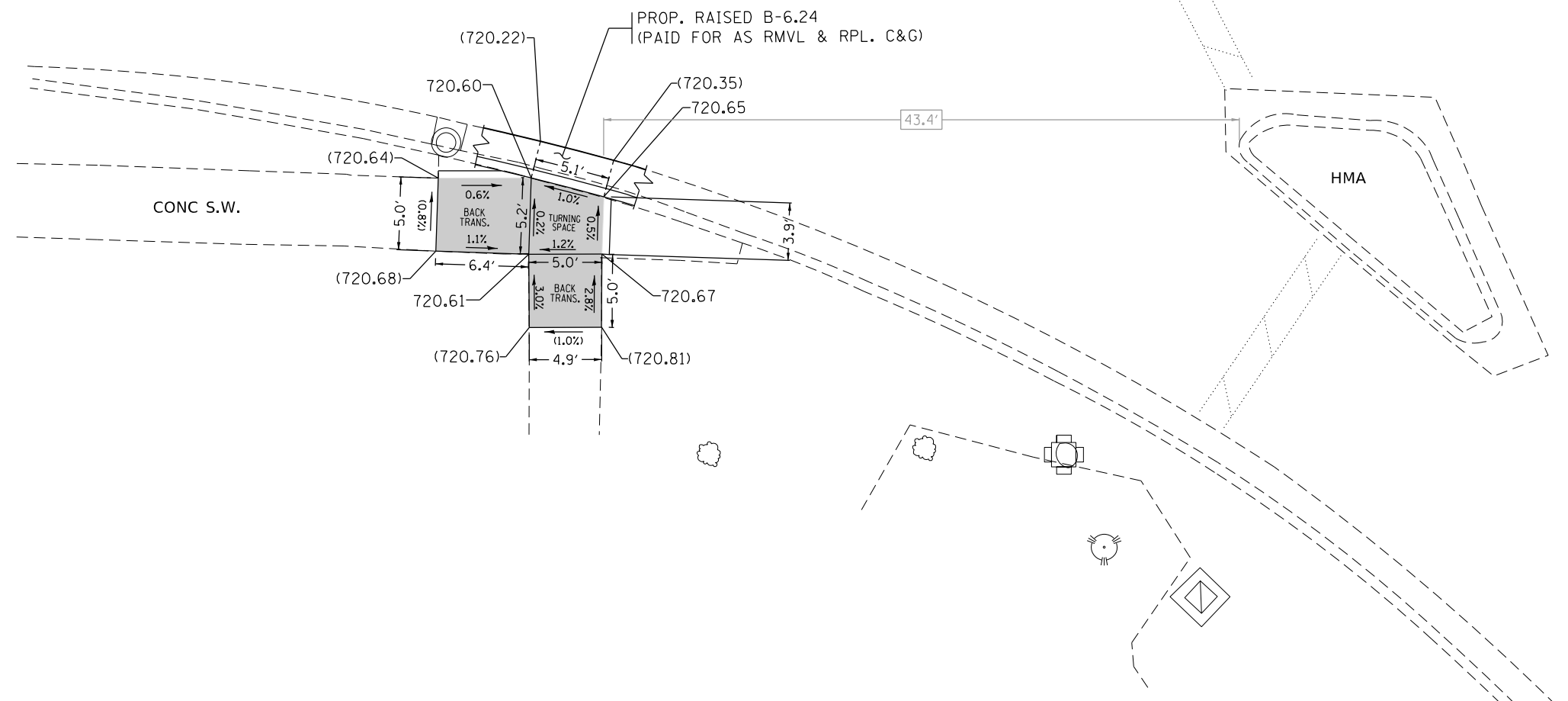
**DETECTOR LOOP REPLACEMENT PLAN
GRAND AVE. AT N. COUNTY ST.**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-RS & SW	LAKE	90	26
CONTRACT NO. 62406			ILLINOIS FED. AID PROJECT	

5+00

GRAND AVENUE

GREENBAY ROAD



REFERENCE BENCHMARK ELEV: 722.44
 BENCHMARK DESCRIPTION : NORTHEAST BOLT ON TRAFFIC SIGNAL POLE.
 BENCHMARK LOCATION : AT THE S.W. CORNER OF GRAND AVE. AND GREEN BAY RD.

LEGEND

xx.xx'	EXISTING LENGTH		PROPOSED SIDEWALK
====	PROPOSED SIDE CURB		DETECTABLE WARNINGS
()	EXISTING ELEVATION/SLOPE		SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

**PROP. ADA LOCATION:
 S.W. CORNER OF IL-132 (GRAND AVENUE) AND IL-131 (GREEN BAY ROAD)**

MODEL: Default
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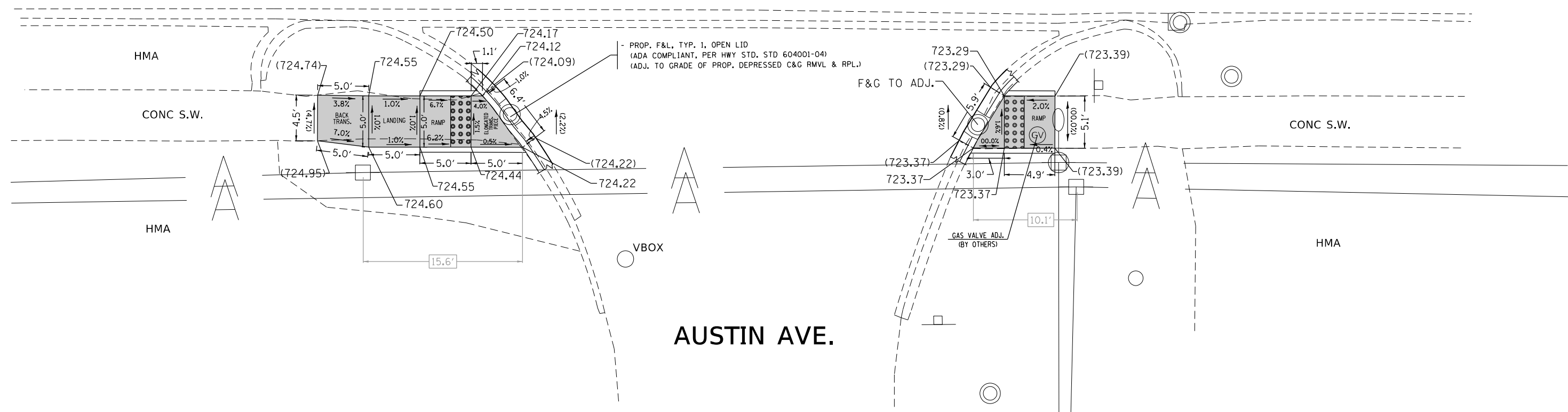
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PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SIDEWALK DETAIL PLAN
 GRAND AVE. FROM IL-131 TO IL-137**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-R5&SW	LAKE	90	28
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				



BENCHMARK DESCRIPTION : R.R. SPIKE IN THE E. FACE OF POWER POLE.

BENCHMARK LOCATION : AT ± 39-FT. W. OF THE CENTERLINE OF AUSTIN AVE.
AND AT ± 42-FT. S. OF THE CENTERLINE OF GRAND AVE.

LEGEND

xx.xx'

EXISTING LENGTH



PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

**PROP. ADA LOCATION:
S.W. AND S.E. CORNERS OF IL-132 (GRAND AVENUE) AND AUSTIN AVENUE**

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

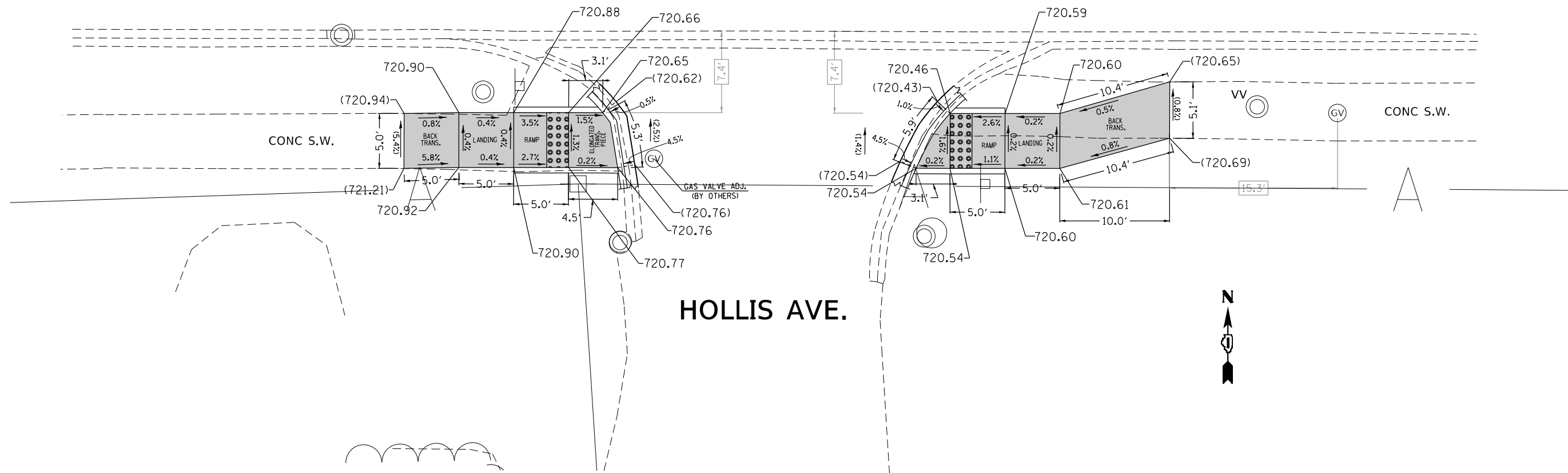
**SIDEWALK DETAIL PLAN
GRAND AVE. FROM IL-131 TO IL-137**

USER NAME = hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2021	DATE -	REVISED -

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-R5&SW	LAKE	90	29
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				

MODEL: Default
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REFERENCE BENCHMARK ELEV: 721.46
 BENCHMARK DESCRIPTION : RAILROAD SPIKE IN THE NORTH FACE OF A POWER POLE.
 BENCHMARK LOCATION : AT ± 16-FT W. OF CENTERLINE OF HOLLIS AVENUE,
 AND AT ± 33-FT S. OF CENTERLINE OF GRAND AVENUE.

LEGEND

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

**PROP. ADA LOCATION:
 S.W. AND S.E. CORNERS OF IL-132 (GRAND AVENUE) AND HOLLIS AVENUE**

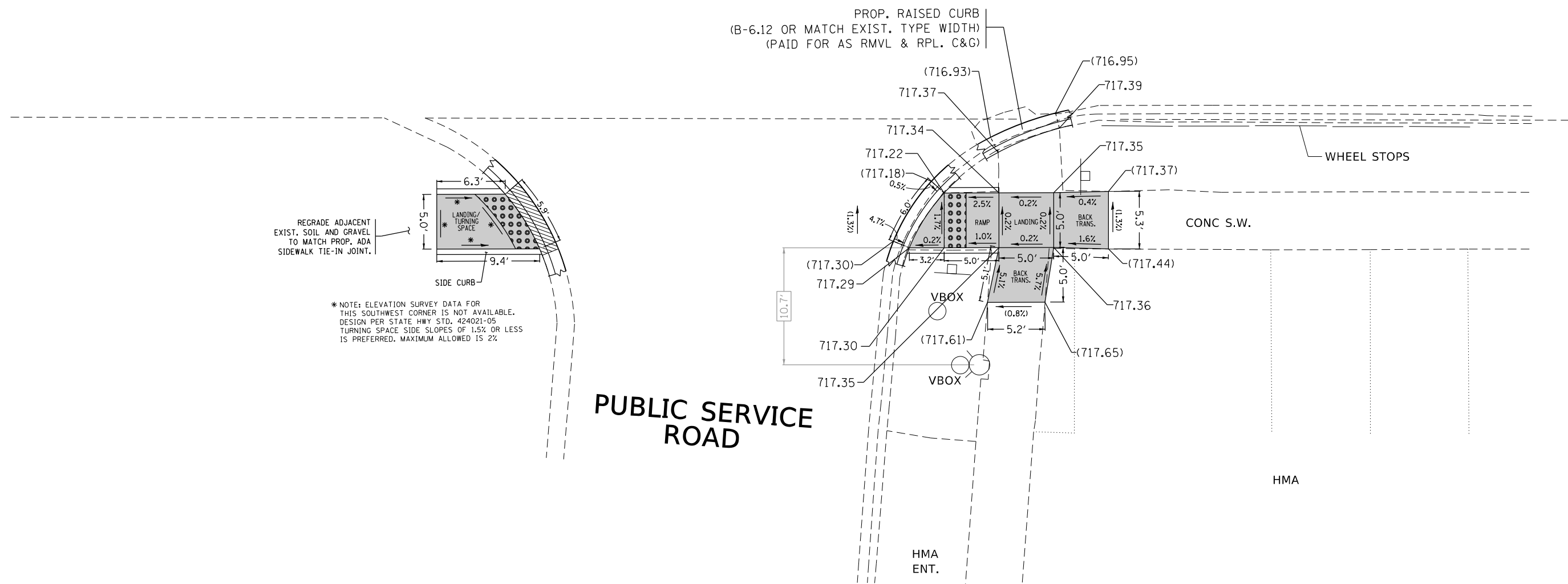
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	DRAWN -	REVISED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SIDEWALK DETAIL PLAN			
GRAND AVE. FROM IL-131 TO IL-137			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-R5&SW	LAKE	90	30
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				



REFERENCE BENCHMARK ELEV: 720.13

BENCHMARK DESCRIPTION : NORTHWEST ARROW BOLT ON A FIRE HYDRANT.

BENCHMARK LOCATION : AT ± 23-FT. E. OF THE CENTERLINE OF PUBLIC SERVICE RD.
AND AT ± 50-FT S. OF THE CENTERLINE OF GRAND AVE.

LEGEND

xx.xx'

EXISTING LENGTH

====

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

**PROP. ADA LOCATION:
S.E. CORNER OF IL-132 (GRAND AVENUE) AND PUBLIC SERVICE RD.**

MODEL: Default
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USER NAME = hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2021	DATE -	REVISED -

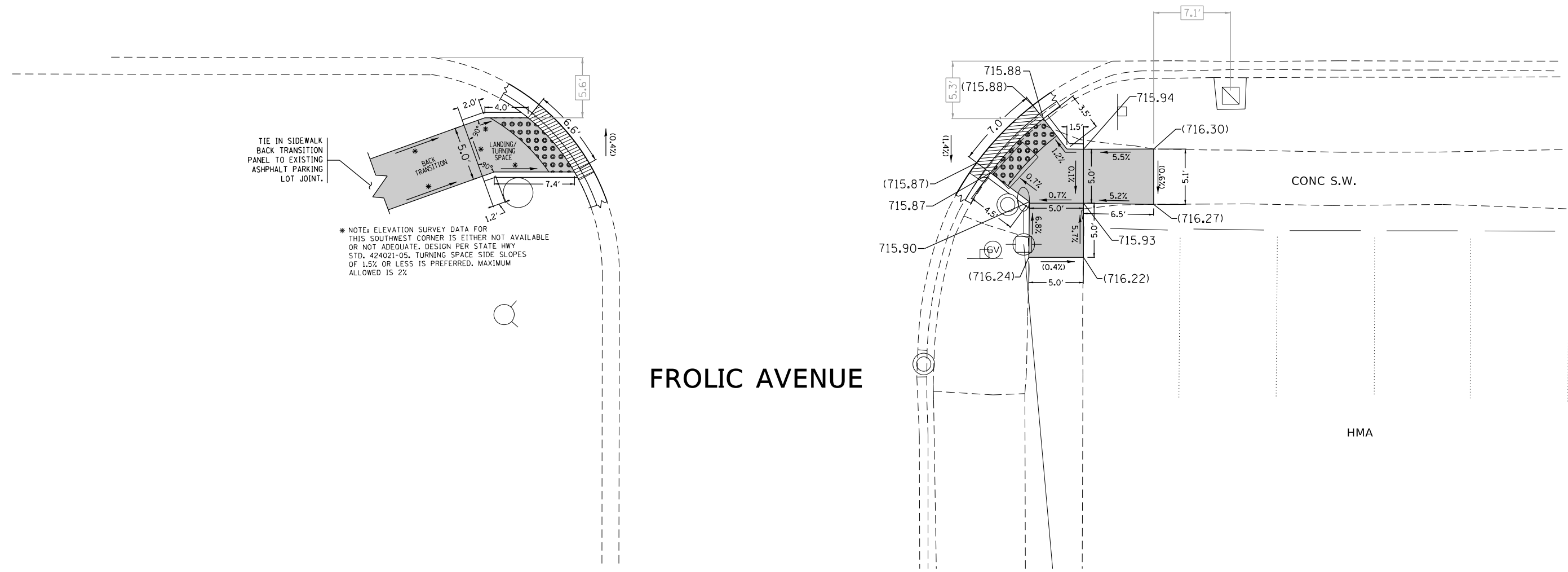
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIDEWALK DETAIL PLAN			
GRAND AVE. FROM IL-131 TO IL-137			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-R5&SW	LAKE	90	31
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62H06	

29

GRAND AVENUE



FROLIC AVENUE

REFERENCE BENCHMARK ELEV: 717.17
 BENCHMARK DESCRIPTION : N.W. TOP OF BOLT ON A FIRE HYDRANT
 BENCHMARK LOCATION : AT 24-FT. WEST OF THE CENTERLINE OF FROLIC AVENUE
 AND AT 49-FT. SOUTH OF THE CENTERLINE OF GRAND AVENUE.

LEGEND

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

**PROP. ADA LOCATION:
 S.E. CORNER OF IL-132 (GRAND AVENUE) AND FROLIC AVE.**

MODEL: Default
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	DRAWN -	REVISED -
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PLOT DATE = 10/22/2021	DATE -	REVISED -

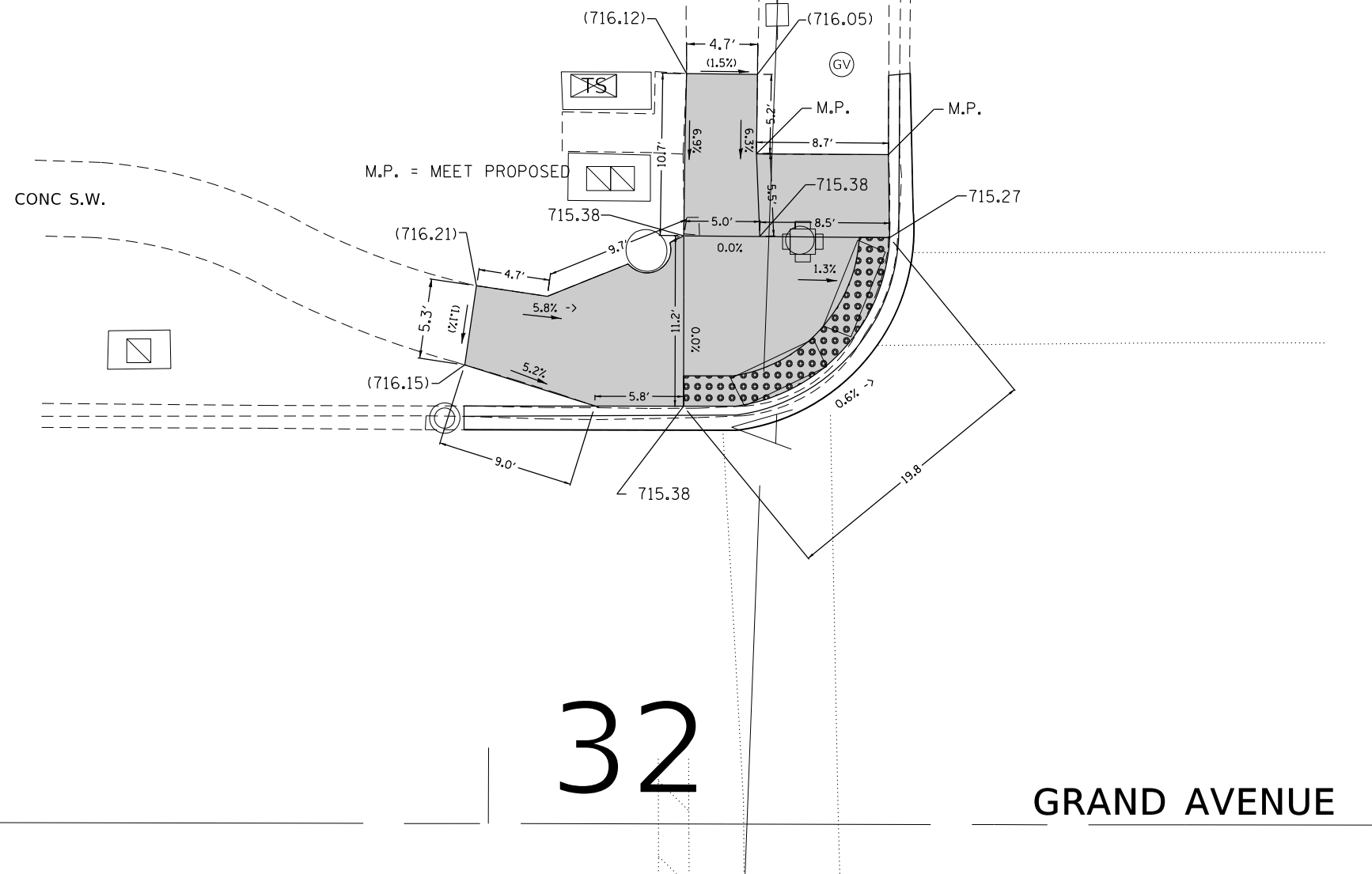
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SIDEWALK DETAIL PLAN			
GRAND AVE. FROM IL-131 TO IL-137			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-R5&SW	LAKE	90	32
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				



BALDWIN AVE.



REFERENCE BENCHMARK ELEV: 711.19
 BENCHMARK DESCRIPTION : SOUTH BY SOUTHWEST BOLT ON HYDRANT.
 BENCHMARK LOCATION : AT ± 20-FT. WEST OF CENTERLINE OF BALDWIN ROAD,
 AND AT ± 46-FT. S. OF CENTERLINE OF GRAND AVENUE.

LEGEND	
xx.xx'	EXISTING LENGTH
==	PROPOSED SIDE CURB
()	EXISTING ELEVATION/SLOPE
[Solid Gray Box]	PROPOSED SIDEWALK
[Grid Pattern Box]	DETECTABLE WARNINGS
[Cross-hatch Pattern Box]	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

**PROP. ADA LOCATION:
 N.W. CORNER OF IL-132 (GRAND AVENUE) AND BALDWIN AVE.**

MODEL: Default
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USER NAME = hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

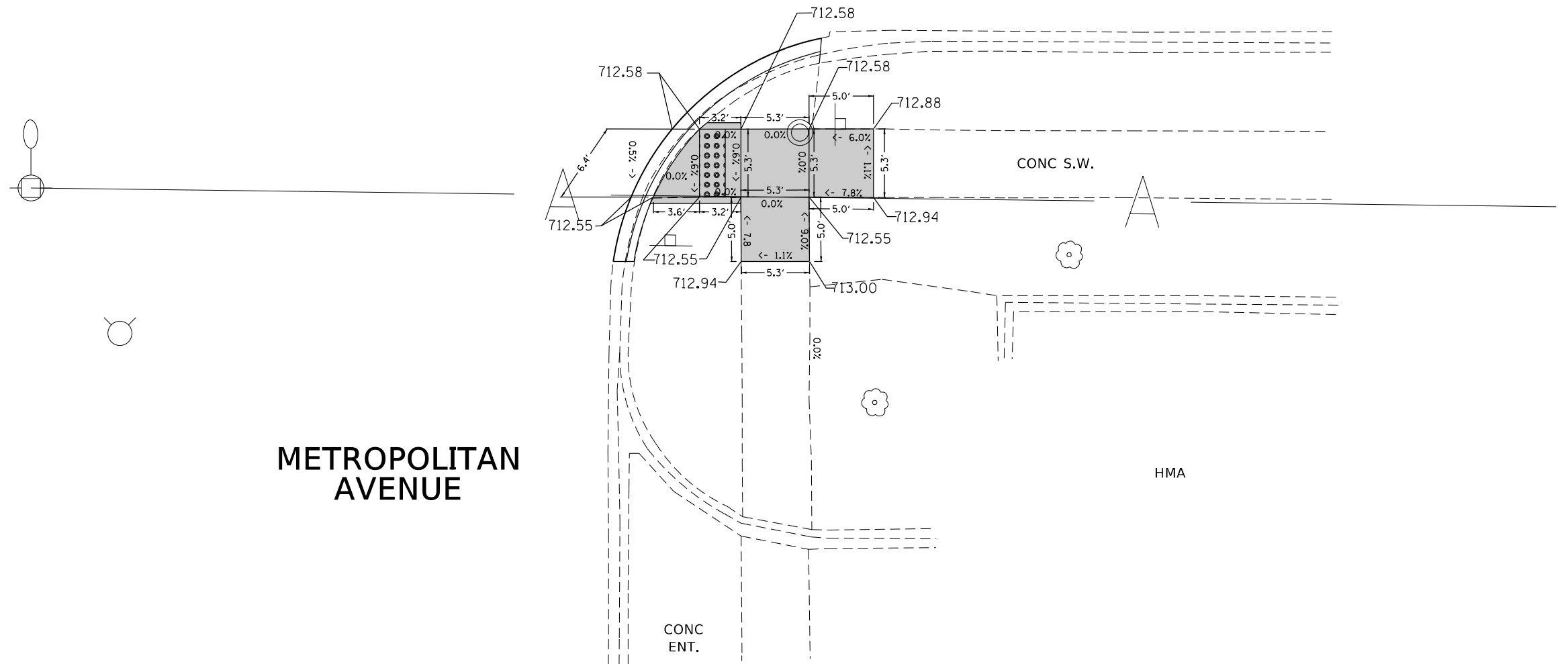
SIDEWALK DETAIL PLAN	
GRAND AVE. FROM IL-131 TO IL-137	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-R5&SW	LAKE	90	33
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				

5+00

GRAND AVENUE

36



METROPOLITAN AVENUE

REFERENCE BENCHMARK ELEV: 715.13
 BENCHMARK DESCRIPTION : WESTERLY ARROW BOLT ON FIRE HYDRANT.
 BENCHMARK LOCATION : AT ± 22-FT. W. OF THE CENTERLINE OF METROPOLITAN AVE.
 AND ± 42-FT. S. OF THE CENTERLINE OF GRAND AVE.

LEGEND

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

**PROP. ADA LOCATION:
 S.E. CORNER OF IL-132 (GRAND AVENUE) AND METROPOLITAN AVE.**

MODEL: Default
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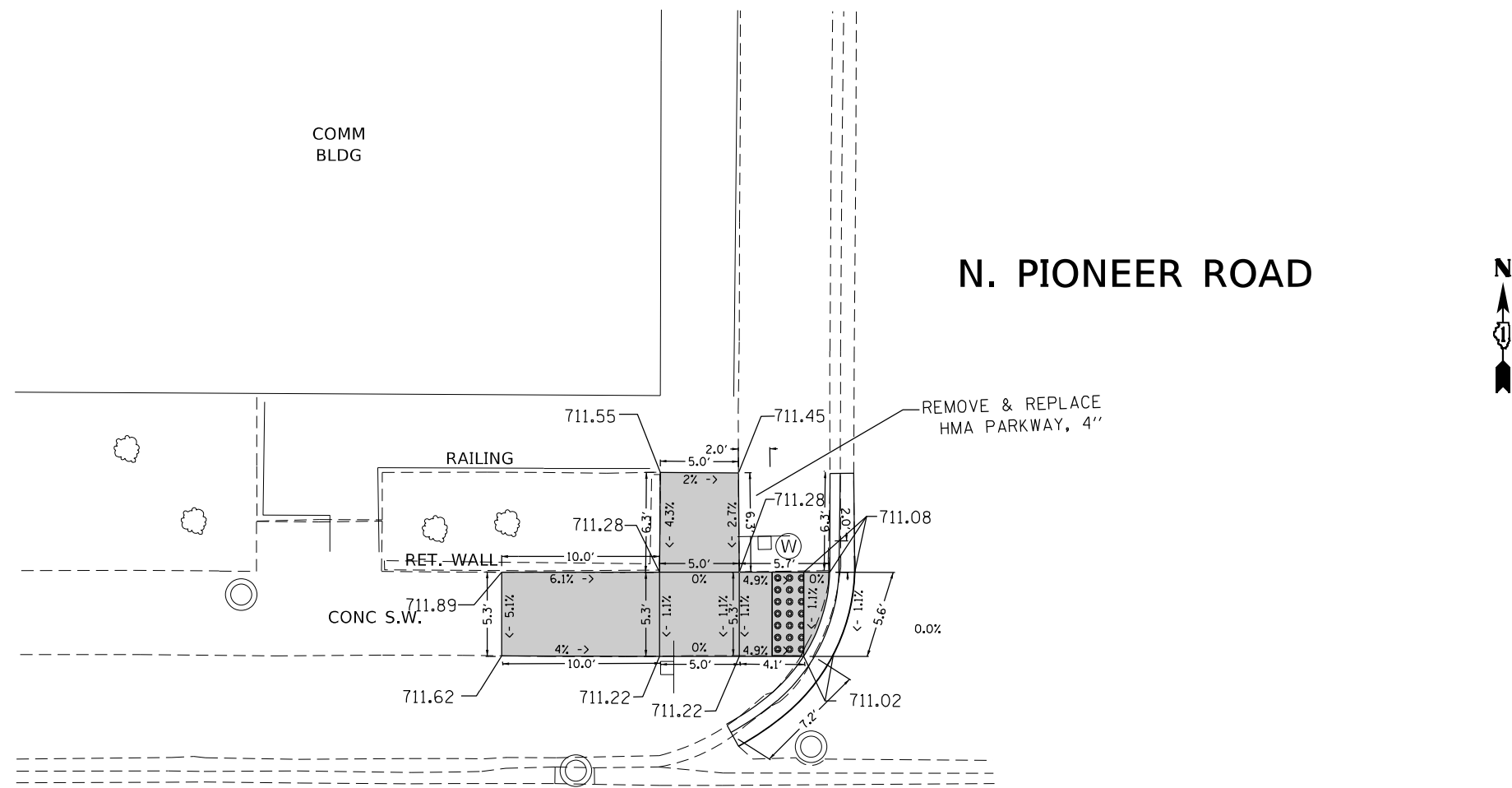
USER NAME = hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SIDEWALK DETAIL PLAN
 GRAND AVE. FROM IL-131 TO IL-137**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-R5&SW	LAKE	90	34
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				



39

GRAND AVENUE

REFERENCE BENCHMARK ELEV: 713.49
 BENCHMARK DESCRIPTION : SOUTH TOP BOLT ON FIRE HYDRANT.
 BENCHMARK LOCATION : AT ± 22-FT. EAST OF THE CENTERLINE OF PIONEER RD.
 AND AT ± 36-FT. SOUTH OF THE CENTERLINE OF GRAND AVE.

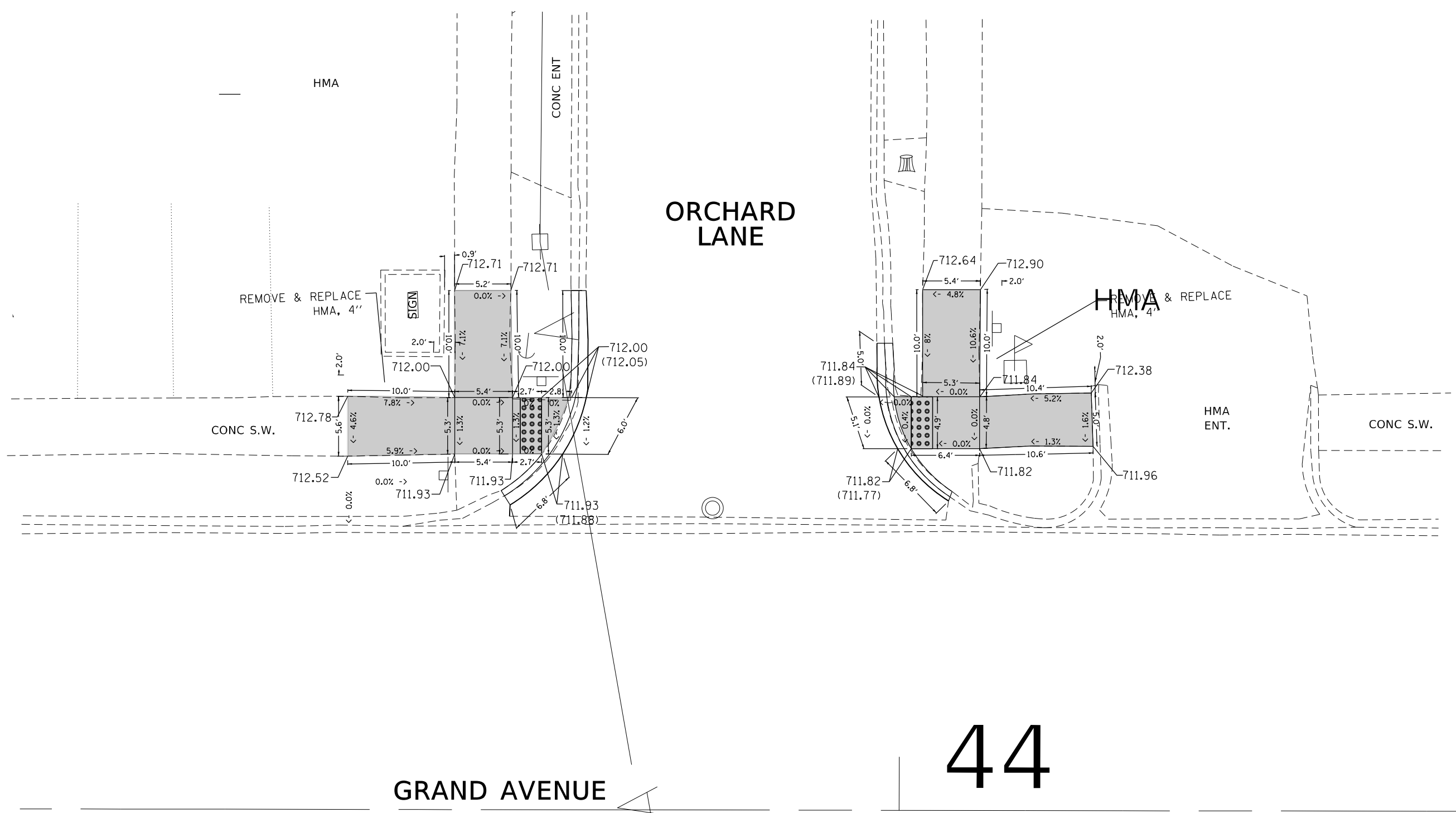
LEGEND

- xx.xx' EXISTING LENGTH
- ===== PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- (with dots) DETECTABLE WARNINGS
- (with cross-hatch) SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

PROP. ADA LOCATION:
 N.W. CORNER OF IL-132 (GRAND AVENUE) AND PIONEER RD.

MODEL: Default
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USER NAME = hassan PLOT SCALE = 10,0000 * / in. PLOT DATE = 10/22/2021	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIDEWALK DETAIL PLAN GRAND AVE. FROM IL-131 TO IL-137		F.A.P. RTE. 541	SECTION 2018-046-R5&SW	COUNTY LAKE	TOTAL SHEETS 90	SHEET NO. 35
	CHECKED - DATE -	REVISED - REVISED -		SCALE:	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 62H06 ILLINOIS FED. AID PROJECT			



44

REFERENCE BENCHMARK ELEV: 714.28
 BENCHMARK DESCRIPTION : SOUTHEAST ARROW BOLT ON A FIRE HYDRANT.
 BENCHMARK LOCATION : AT ± 34-FT. OF THE CENTERLINE OF ORCHARD AND AT ± 30-FT. OF GRAND AVENUE.

LEGEND

- xx.xx' EXISTING LENGTH
- ===== PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- [Solid Grey Box] PROPOSED SIDEWALK
- [Grid Pattern Box] DETECTABLE WARNINGS
- [Cross-hatch Box] SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

PROP. ADA LOCATION:
N.W. AND N.E. CORNERS OF IL-132 (GRAND AVENUE) AND ORCHARD LANE.

USER NAME = hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

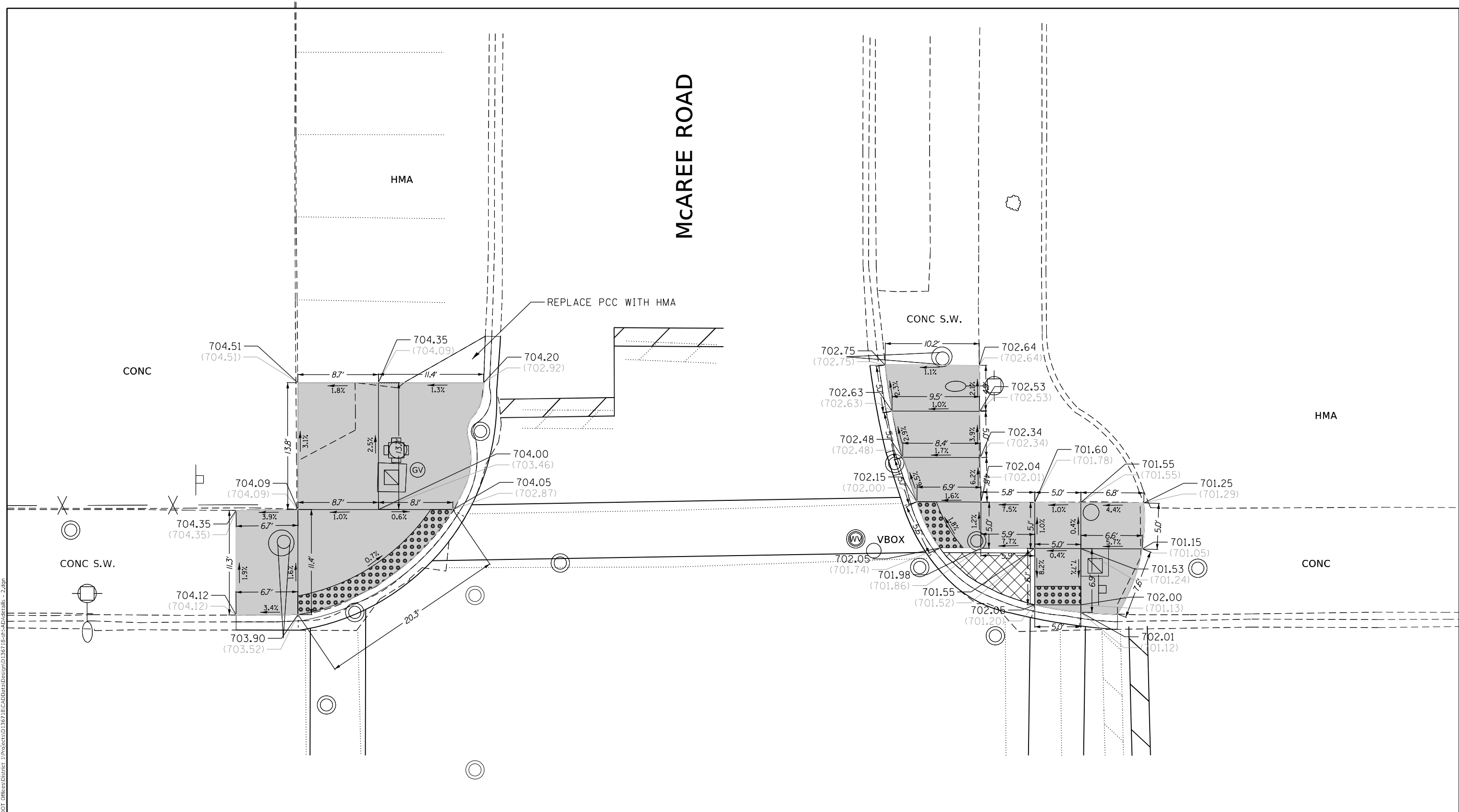
SIDEWALK DETAIL PLAN
GRAND AVE. FROM IL-131 TO IL-137

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-R5&SW	LAKE	90	36
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				

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MCAREE ROAD

REFERENCE BENCHMARK ELEV 703.65
 BENCHMARK: CUT SQUARE IN NORTHEAST OF A TRAFFIC SIGNAL DOUBLE HANDHOLE
 LOCATION: SOUTH WEST CORNER OF GRAND AVE. AND MCAREE ROAD

LEGEND

xx.xx'	EXISTING LENGTH	[Solid Gray Box]	PROPOSED SIDEWALK
[Double Line]	PROPOSED SIDE CURB	[Grid Pattern Box]	DETECTABLE WARNINGS
()	EXISTING ELEVATION/SLOPE	[Cross-hatch Box]	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 703.65
 BENCHMARK: CUT SQUARE IN NORTHEAST OF A TRAFFIC SIGNAL DOUBLE HANDHOLE
 LOCATION: SOUTH WEST CORNER OF GRAND AVE. AND MCAREE ROAD

USER NAME = hassan	DESIGNED -	REVISED - PLP 01/10/2018
	DRAWN -	REVISED -
PLOT SCALE = 10,0000' +/-	CHECKED -	REVISED -
PLOT DATE = 10/22/2021	DATE -	REVISED -

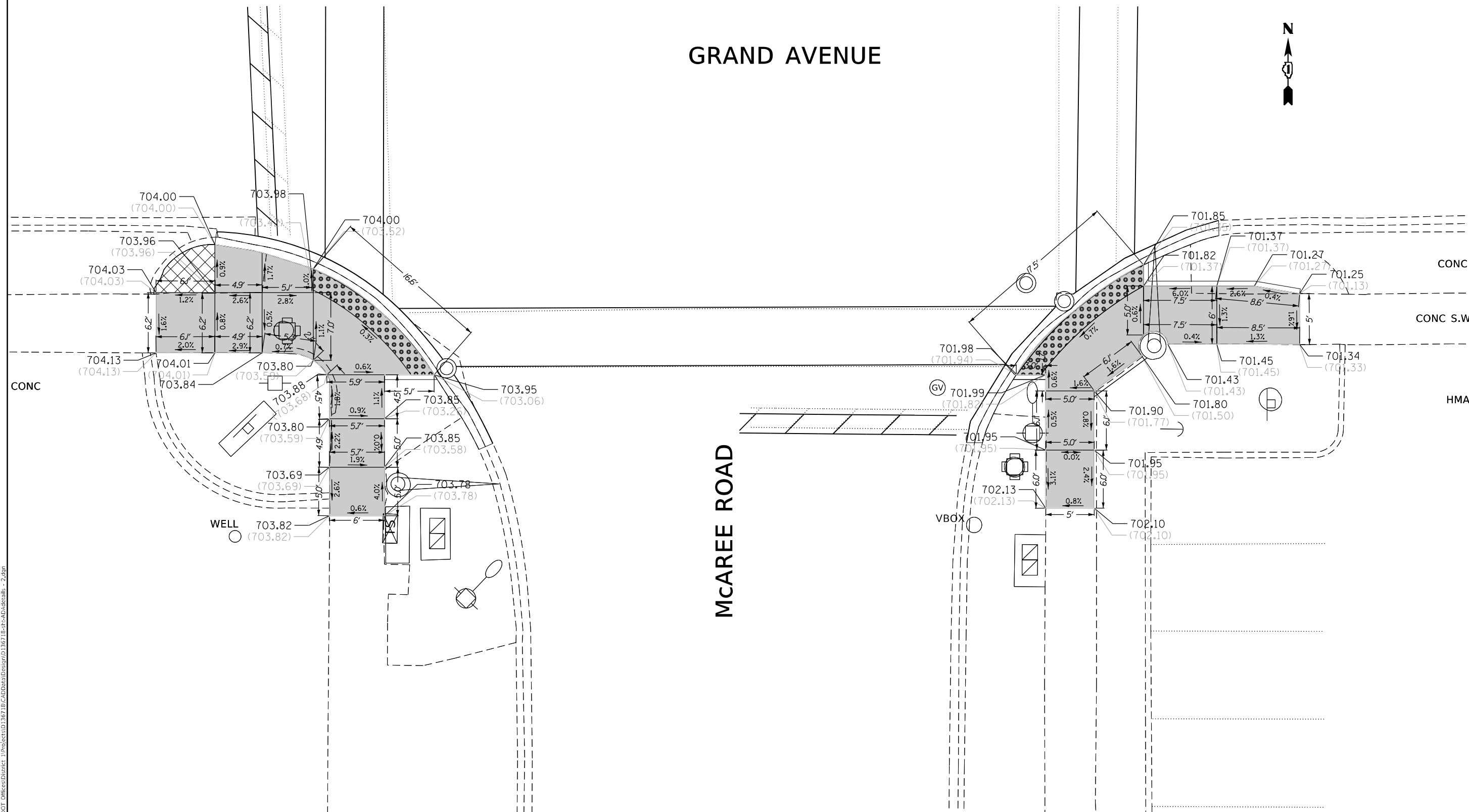
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED ADA SIDEWALK
 NW AND NE GRAND AVE. AT MCAREE ROAD**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 541	SECTION 2019-046-R5&SW	COUNTY LAKE	TOTAL SHEETS 90	SHEET NO. 37
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				

GRAND AVENUE



MCAREE ROAD

LEGEND

- XX.XX' EXISTING LENGTH
- PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 703.65
 BENCHMARK: CUT SQUARE IN NORTHEAST OF A TRAFFIC SIGNAL DOUBLE HANDHOLE
 LOCATION: SOUTH WEST CORNER OF GRAND AVE. AND MCAREE ROAD

REFERENCE BENCHMARK ELEV 703.65
 BENCHMARK: CUT SQUARE IN NORTHEAST OF A TRAFFIC SIGNAL DOUBLE HANDHOLE
 LOCATION: SOUTH WEST CORNER OF GRAND AVE. AND MCAREE ROAD

USER NAME = hassan	DESIGNED -	REVISED - PLP 01/10/2018
PLOT SCALE = 10,0000 * / in.	DRAWN -	REVISED -
PLOT DATE = 10/22/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED ADA SIDEWALK
SW AND SE GRAND AVE. AT MCAREE ROAD**

SCALE: SHEET OF SHEETS STA. TO STA.

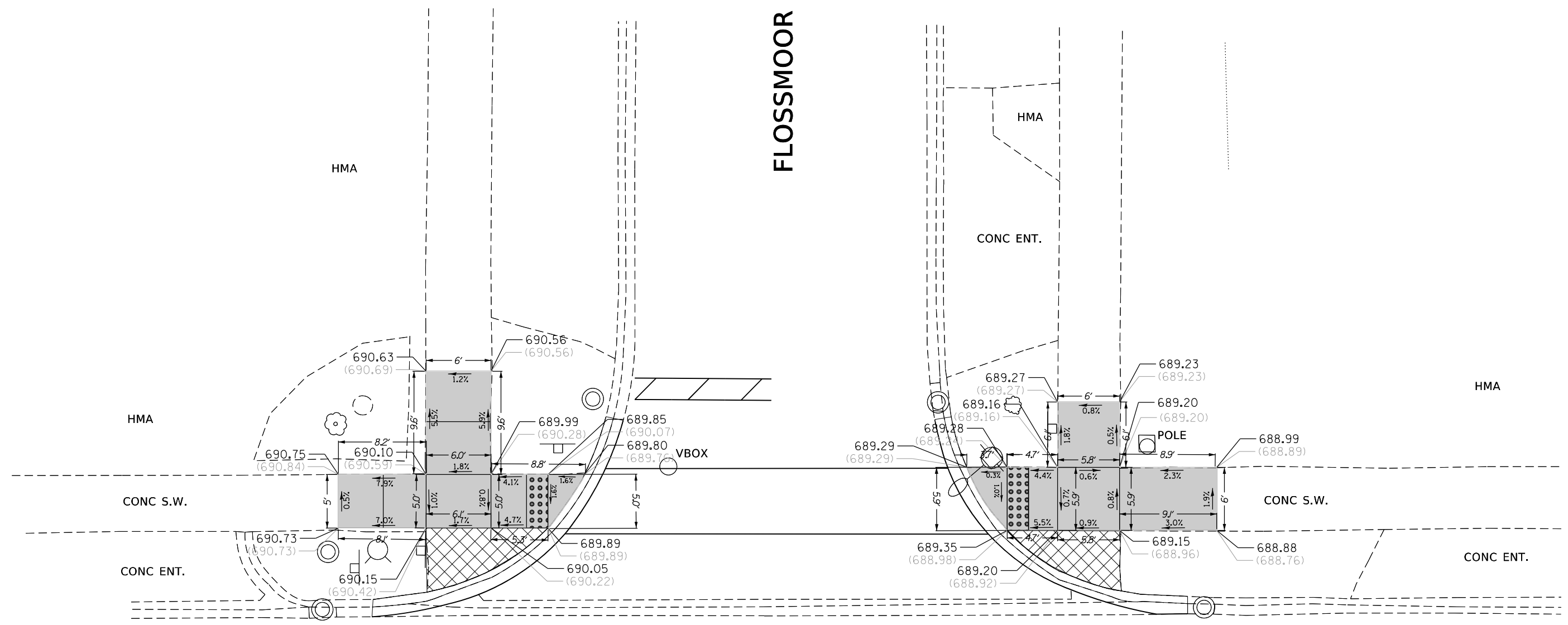
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2019-046-R5&SW	LAKE	90	38
CONTRACT NO. 62H06				
ILLINOIS		FED. AID PROJECT		

MODEL: Default
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FLOSSMOOR AVENUE

GRAND AVENUE



REFERENCE BENCHMARK ELEV 693.07
 BENCHMARK: EAST BOLT OF FIRE HYDRANT
 LOCATION: NORTH WEST CORNER OF GRAND AVE. AND FLOSSMOOR AVE.

LEGEND

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 693.07
 BENCHMARK: EAST BOLT OF FIRE HYDRANT
 LOCATION: NORTH WEST CORNER OF GRAND AVE. AND FLOSSMOOR AVE.

USER NAME = hassan	DESIGNED -	REVISED - PLP 01/10/2018
	DRAWN -	REVISED -
PLOT SCALE = 10,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED ADA SIDEWALK
NW AND NE GRAND AVE. AT FLOSSMOOR AVE.**

SCALE: SHEET OF SHEETS STA. TO STA.

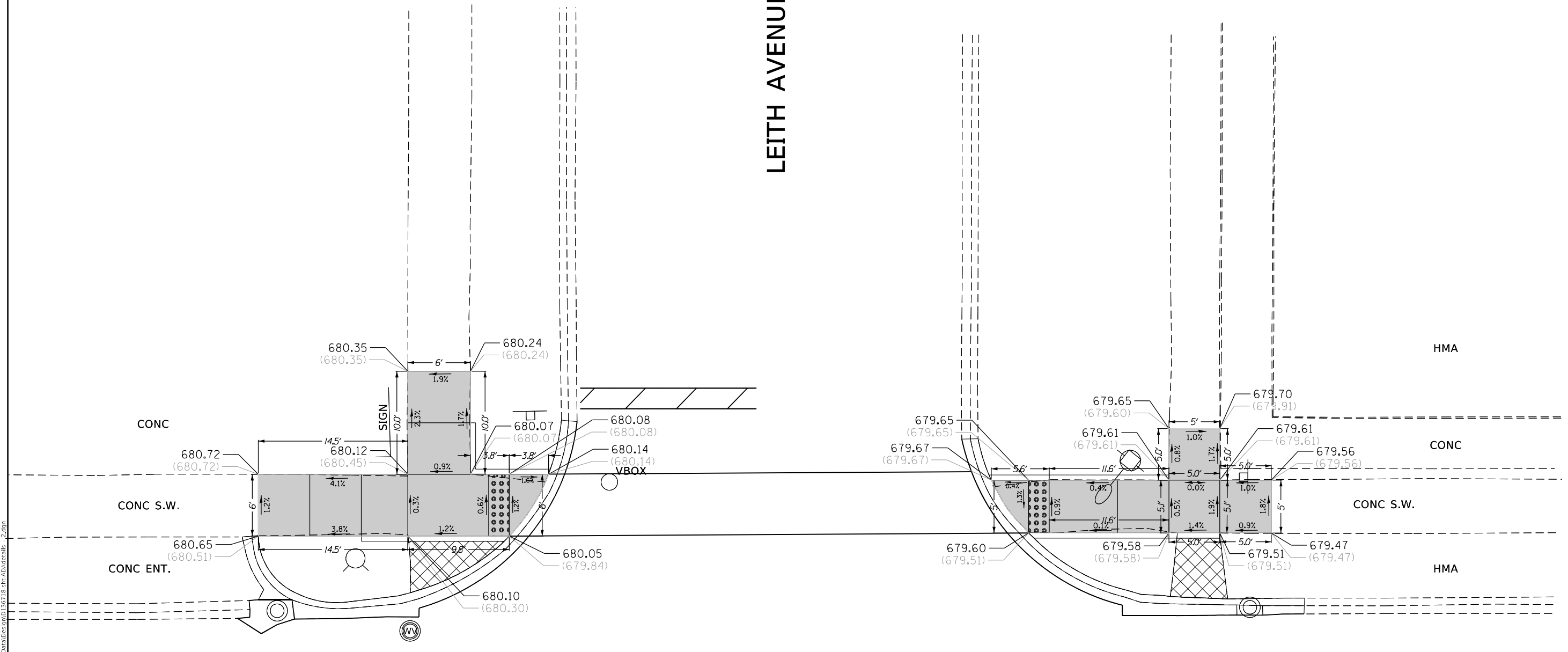
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2019-046-R5&SW	LAKE	90	39
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				

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LEITH AVENUE

GRAND AVENUE



REFERENCE BENCHMARK ELEV 680.12
 BENCHMARK: RAILROAD SPIKE IN SOUTH OF POWER POLE
 LOCATION: NORTH EAST CORNER OF GRAND AVE. AND LEITH AVE.

LEGEND

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 680.12
 BENCHMARK: RAILROAD SPIKE IN SOUTH OF POWER POLE
 LOCATION: NORTH EAST CORNER OF GRAND AVE. AND LEITH AVE.

MODEL: Default
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	DRAWN -	REVISED -
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PLOT DATE = 10/22/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

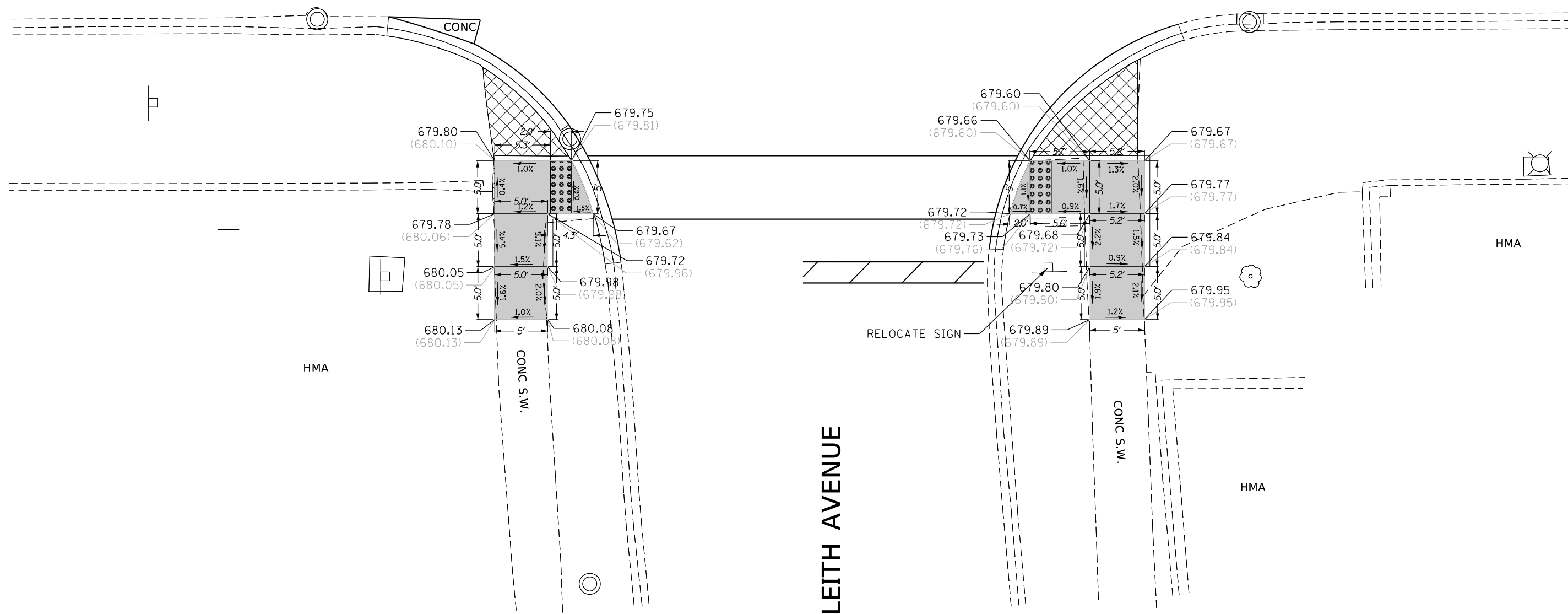
**PROPOSED ADA SIDEWALK
 NW AND NE GRAND AVE. AT LEITH AVE.**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2019-046-R5&SW	LAKE	90	40
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				



GRAND AVENUE



REFERENCE BENCHMARK ELEV 680.12
 BENCHMARK: RAILROAD SPIKE IN SOUTH OF POWER POLE
 LOCATION: NORTH EAST CORNER OF GRAND AVE. AND LEITH AVE.

LEGEND

xx.xx'

EXISTING LENGTH

====

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
 REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 680.12
 BENCHMARK: RAILROAD SPIKE IN SOUTH OF POWER POLE
 LOCATION: NORTH EAST CORNER OF GRAND AVE. AND LEITH AVE.

MODEL: Default
 FILE NAME: p:\project-sw-beach-ky.com\p\DOT\Documents\DOT Office\District 3\Project\136718\CADD\data\Design\136718-ent-ADA\details - 2.dgn

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	DRAWN -	REVISD -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISD -
PLOT DATE = 10/22/2021	DATE -	REVISD -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED ADA SIDEWALK
 SW AND SE GRAND AVE. AT LEITH AVE.**

SCALE: SHEET OF SHEETS STA. TO STA.

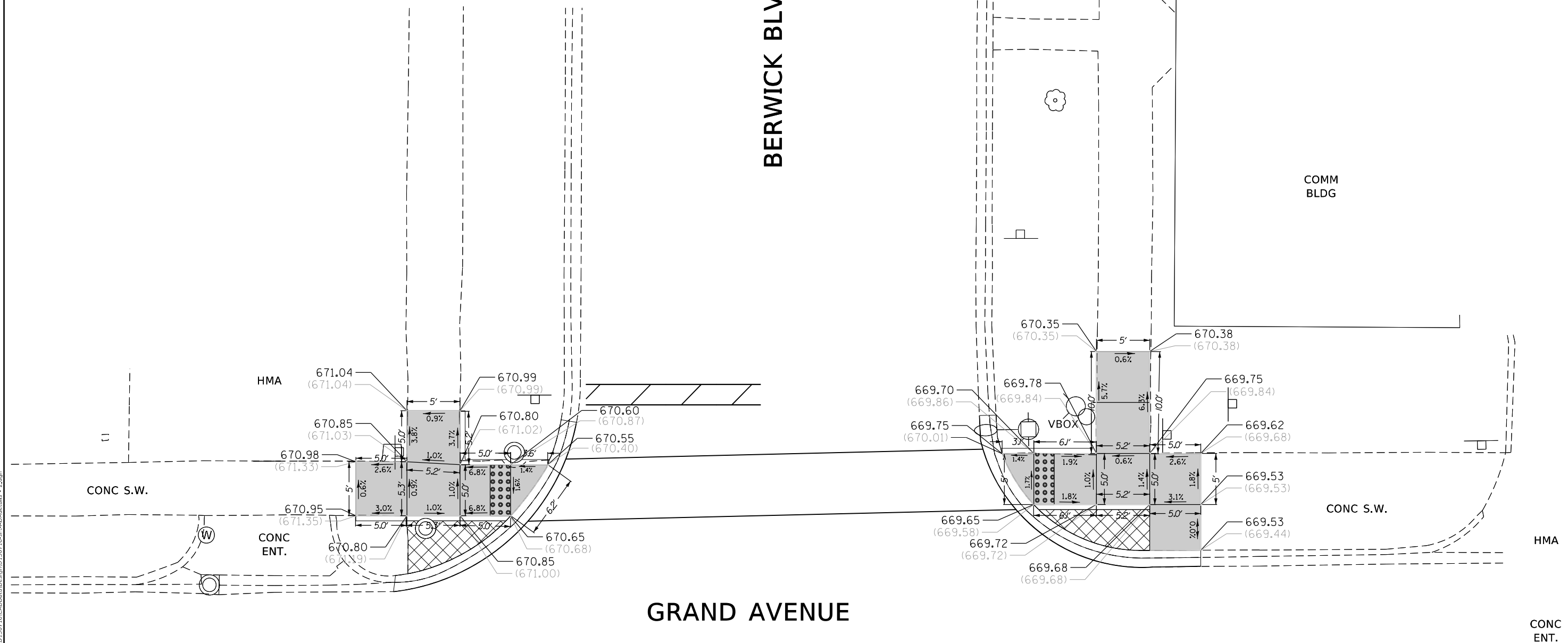
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2019-046-R5&SW	LAKE	90	41
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				



HMA CONC

BERWICK BLVD

COMM BLDG



GRAND AVENUE

HMA
CONC ENT.

REFERENCE BENCHMARK ELEV 672.10
 BENCHMARK: EAST TAG BOLT OF FIRE HYDRANT
 LOCATION: NORTH EAST CORNER OF GRAND AVE. AND BERWICK AVE.

LEGEND

xx.xx'

EXISTING LENGTH

==

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
 REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 672.10
 BENCHMARK: EAST TAG BOLT OF FIRE HYDRANT
 LOCATION: NORTH EAST CORNER OF GRAND AVE. AND BERWICK AVE.

MODEL: Default
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USER NAME = hassan	DESIGNED -	REVISD - PLP 01/10/2018
	DRAWN -	REVISD -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISD -
PLOT DATE = 10/22/2021	DATE -	REVISD -

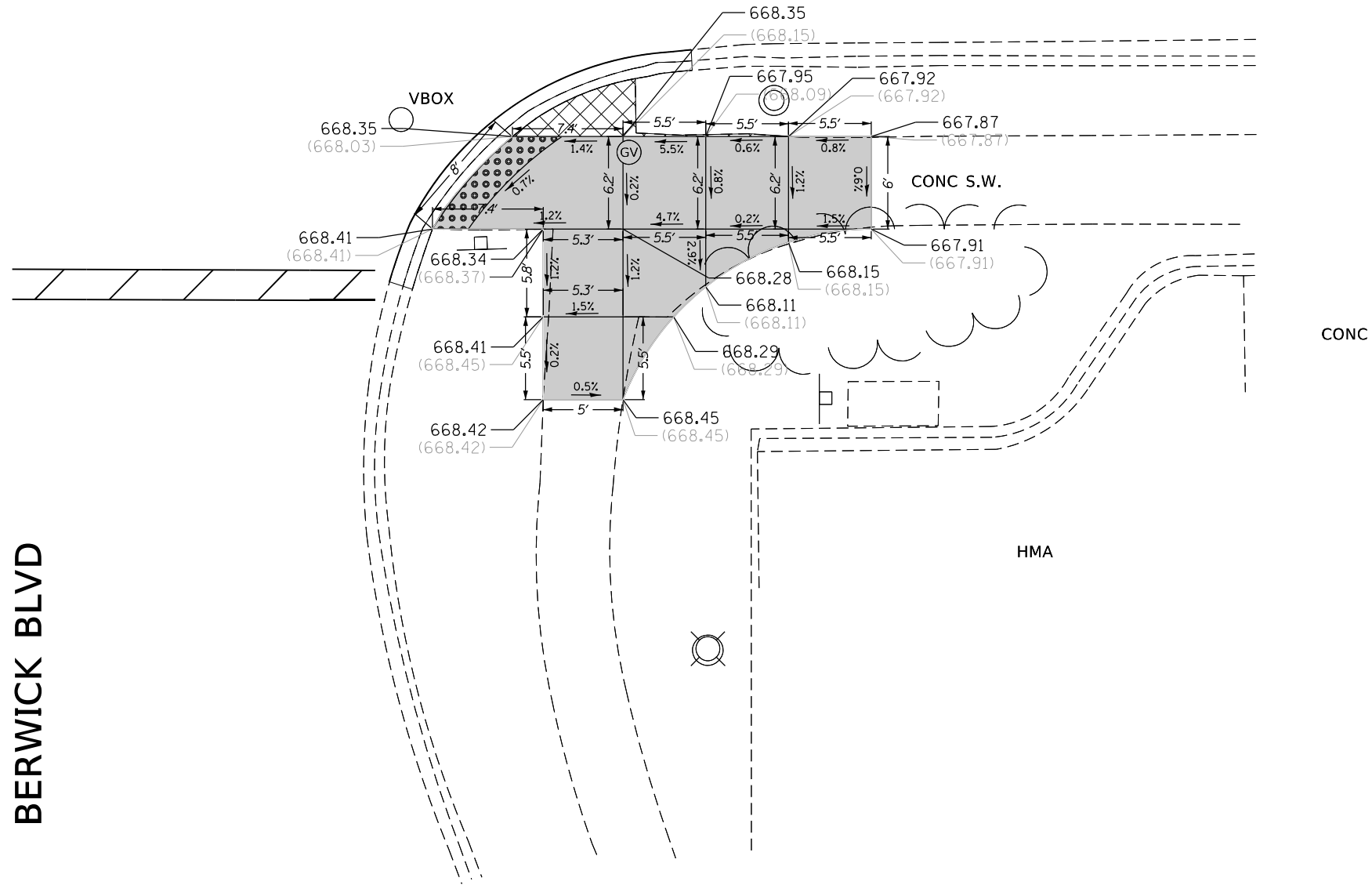
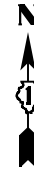
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED ADA SIDEWALK
 NW AND NE GRAND AVE. AT BERWICK BLVD.

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2019-046-R5&SW	LAKE	90	42
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				

GRAND AVENUE



BERWICK BLVD

REFERENCE BENCHMARK ELEV 672.10

BENCHMARK: EAST TAG BOLT OF FIRE HYDRANT

LOCATION: NORTH EAST CORNER OF GRAND AVE. AND BERWICK AVE.

LEGEND

xx.xx'

EXISTING LENGTH

==

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

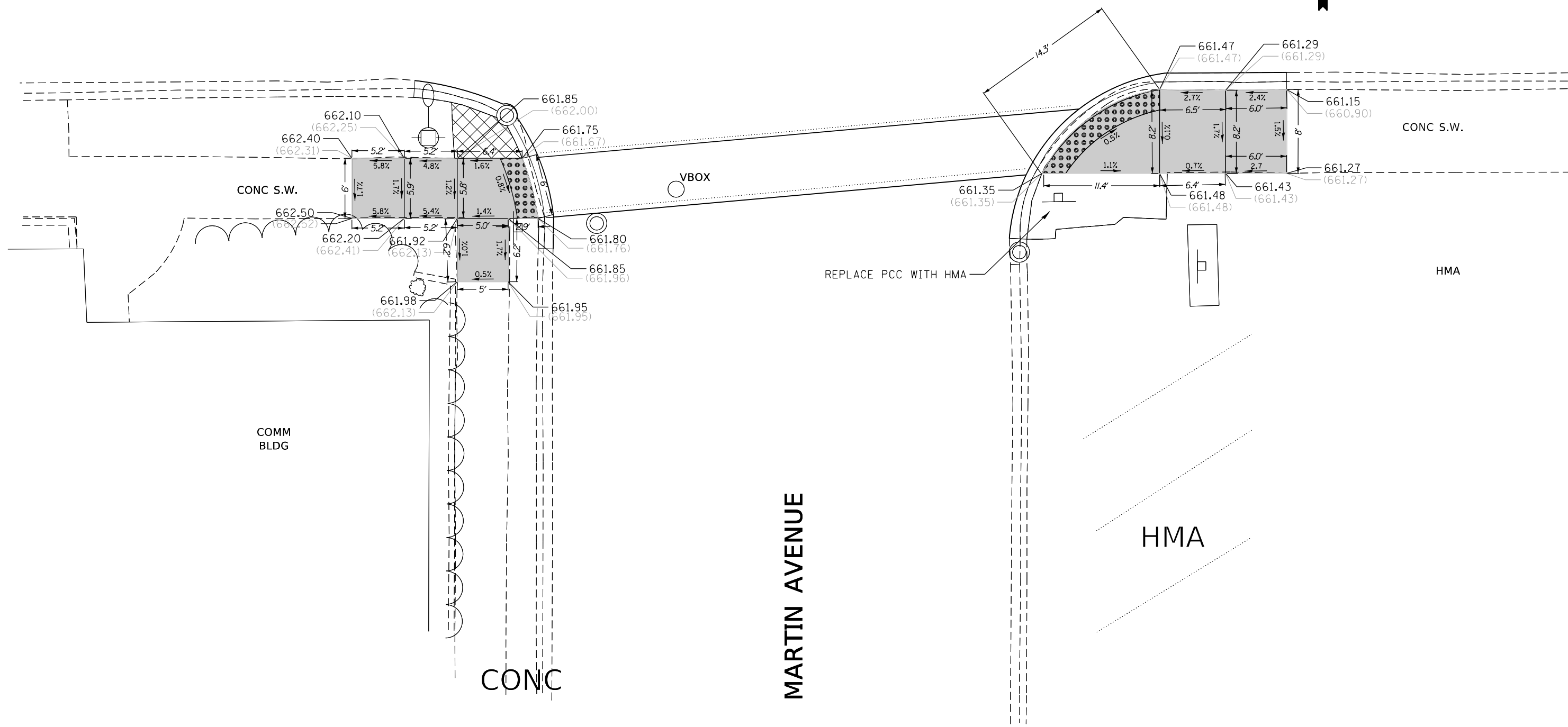
PROPOSED ADA SIDEWALK
SE GRAND AVE. AT BERWICK BLVD.

SCALE: SHEET OF SHEETS STA. TO STA.

USER NAME = hassan	DESIGNED -	REVISED -	PLP	01/10/2018
	DRAWN -	REVISED -		
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -		
PLOT DATE = 10/22/2021	DATE -	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2019-046-R5&SW	LAKE	90	43
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				

GRAND AVENUE



REFERENCE BENCHMARK ELEV 665.28
 BENCHMARK: NORTH WEST TAG BOLT OF FIRE HYDRANT
 LOCATION: NORTH WEST CORNER OF GRAND AVE. AND MARTIN AVE.

LEGEND

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 665.28
 BENCHMARK: NORTH WEST TAG BOLT OF FIRE HYDRANT
 LOCATION: NORTH WEST CORNER OF GRAND AVE. AND MARTIN AVE.

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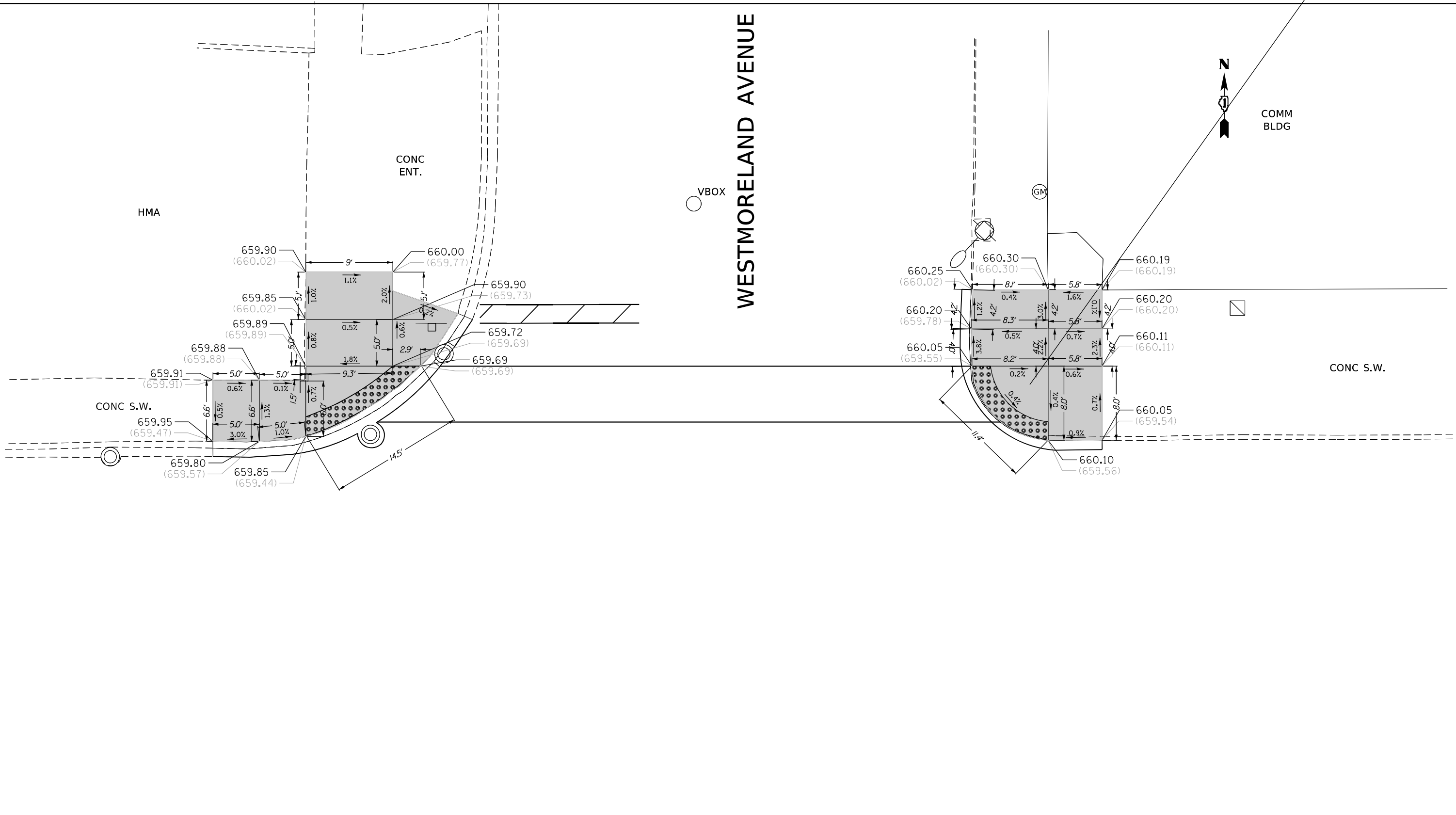
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PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED ADA SIDEWALK SW & SE GRAND AVE. AT MARTIN AVE.	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2019-046-R5&SW	LAKE	90	44
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				

WESTMORELAND AVENUE



REFERENCE BENCHMARK ELEV 661.58
 BENCHMARK: NORTH WEST BOLT OF FIRE HYDRANT
 LOCATION: NORTH WEST CORNER OF GRAND AVE. AND WESTMORELAND AVE.

LEGEND

- xx.xx' EXISTING LENGTH
- ===== PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- ▒ DETECTABLE WARNINGS
- ▧ SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 661.58
 BENCHMARK: NORTH WEST BOLT OF FIRE HYDRANT
 LOCATION: NORTH WEST CORNER OF GRAND AVE. AND WESTMORELAND AVE.

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USER NAME = hassan	DESIGNED -	REVISED - PLP 01/10/2018
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PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2021	DATE -	REVISED -

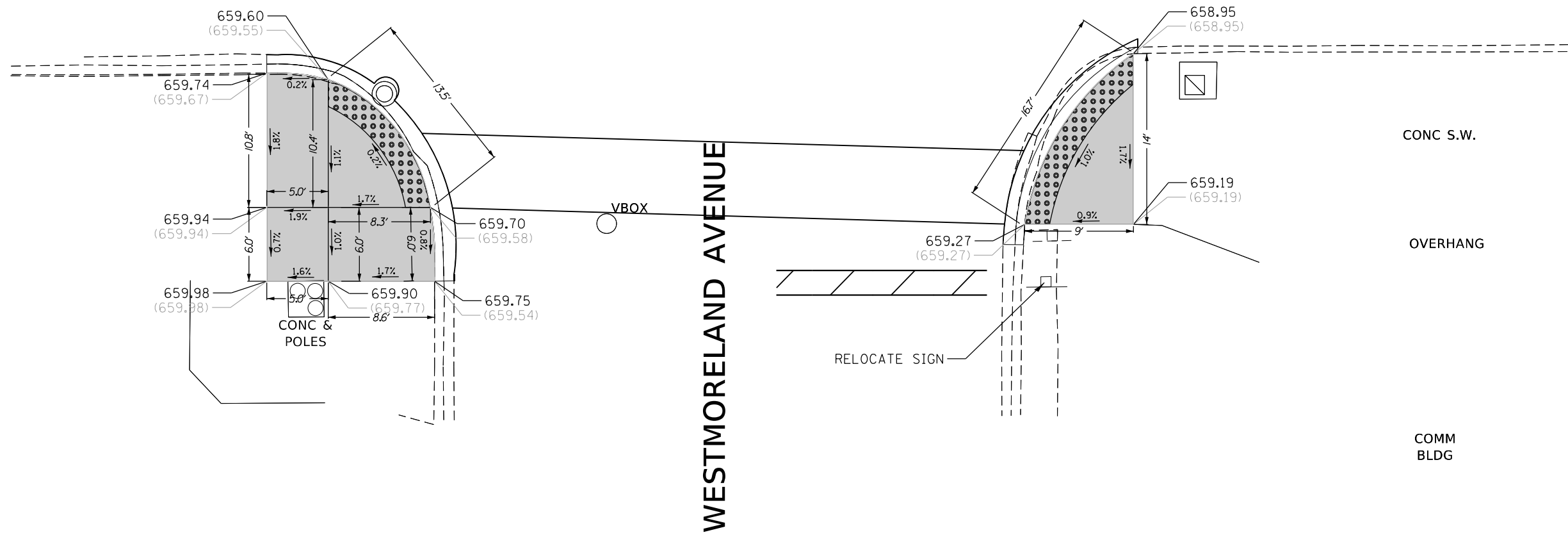
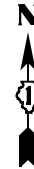
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED ADA SIDEWALK
 NE & NW GRAND AVE. AT WESTMORELAND AVE.**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2019-046-R5&SW	LAKE	90	45
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				

GRAND AVENUE



REFERENCE BENCHMARK ELEV 661.58
 BENCHMARK: NORTH WEST BOLT OF FIRE HYDRANT
 LOCATION: NORTH WEST CORNER OF GRAND AVE. AND WESTMORELAND AVE.

LEGEND	
xx.xx'	EXISTING LENGTH
==	PROPOSED SIDE CURB
()	EXISTING ELEVATION/SLOPE
[Solid Gray Box]	PROPOSED SIDEWALK
[Dotted Box]	DETECTABLE WARNINGS
[Cross-hatched Box]	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 661.58
 BENCHMARK: NORTH WEST BOLT OF FIRE HYDRANT
 LOCATION: NORTH WEST CORNER OF GRAND AVE. AND WESTMORELAND AVE.

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USER NAME = hassan	DESIGNED -	REVISED - PLP 01/10/2018
PLOT SCALE = 10,0000 * / in.	DRAWN -	REVISED -
PLOT DATE = 10/22/2021	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED ADA SIDEWALK			
SE & SW GRAND AVE. AT WESTMORELAND AVE.			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2019-046-R5&SW	LAKE	90	46
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				



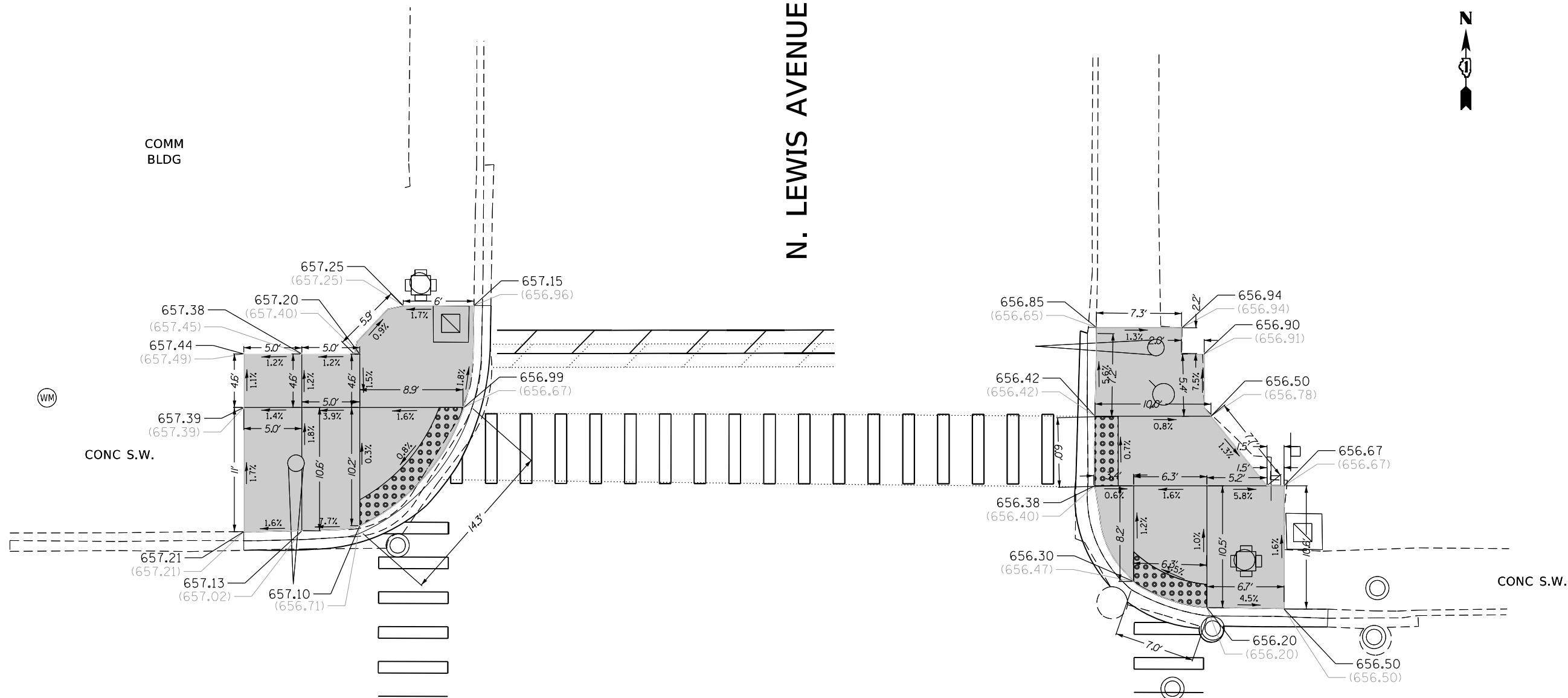
N. LEWIS AVENUE

COMM
BLDG

CONC S.W.

CONC S.W.

GRAND AVENUE



REFERENCE BENCHMARK ELEV 657.29
 BENCHMARK: SOUTH EAST LOWER BOLT OF FIRE HYDRANT
 LOCATION: NORTH EAST CORNER OF GRAND AVE. AND LEWIS AVE.

LEGEND

xx.xx'

EXISTING LENGTH

==

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 657.29
 BENCHMARK: SOUTH EAST LOWER BOLT OF FIRE HYDRANT
 LOCATION: NORTH EAST CORNER OF GRAND AVE. AND LEWIS AVE.

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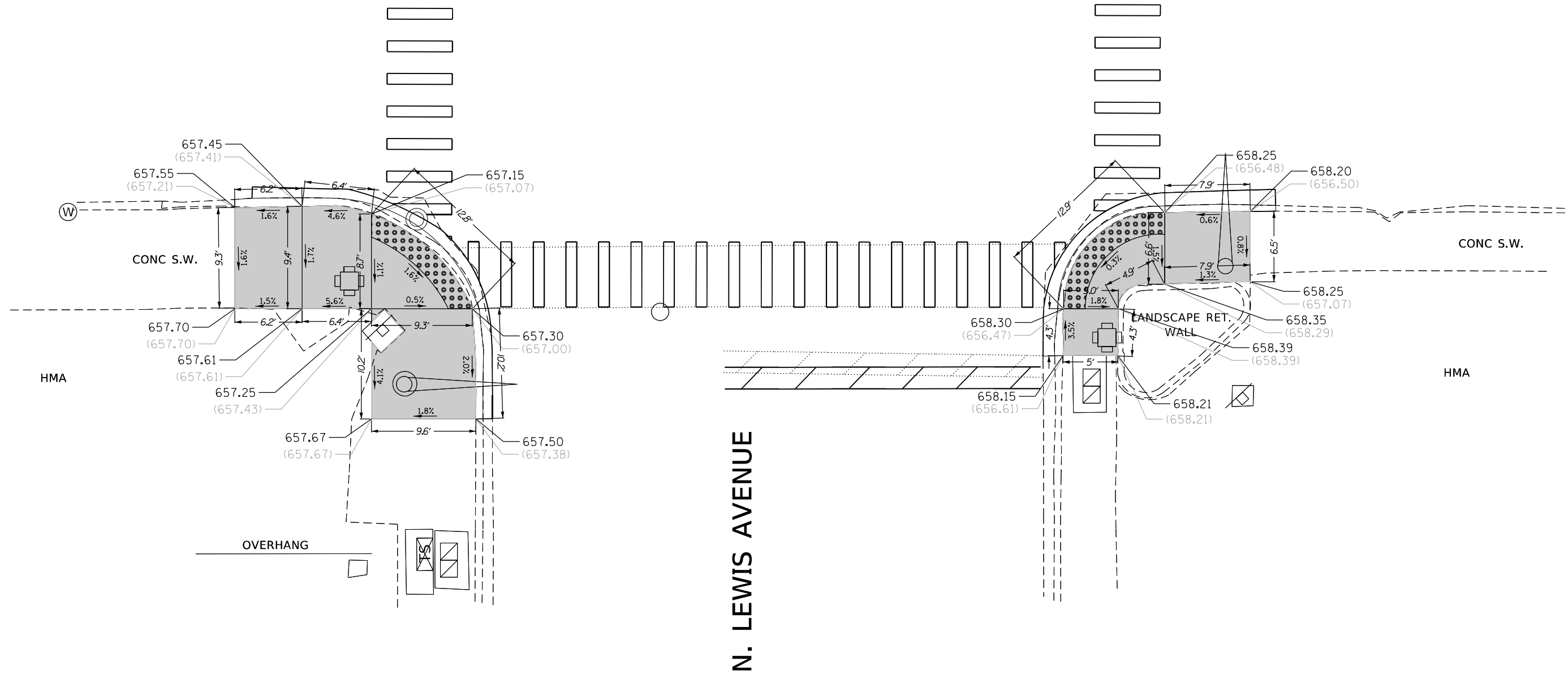
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PLOT DATE = 10/22/2021	CHECKED -	REVISD -
	DATE -	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED ADA SIDEWALK NE & NW GRAND AVE. AT LEWIS AVE.			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE. 541	SECTION 2019-046-R5&SW	COUNTY LAKE	TOTAL SHEETS 90	SHEET NO. 47
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				

GRAND AVENUE



MODEL: Default
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REFERENCE BENCHMARK ELEV 657.29
 BENCHMARK: SOUTH EAST LOWER BOLT OF FIRE HYDRANT
 LOCATION: NORTH EAST CORNER OF GRAND AVE. AND LEWIS AVE.

LEGEND



EXISTING LENGTH



PROPOSED SIDE CURB



EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 657.29
 BENCHMARK: SOUTH EAST LOWER BOLT OF FIRE HYDRANT
 LOCATION: NORTH EAST CORNER OF GRAND AVE. AND LEWIS AVE.

USER NAME = hassan	DESIGNED -	REVISED - PLP 01/10/2018
	DRAWN -	REVISED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2021	DATE -	REVISED -

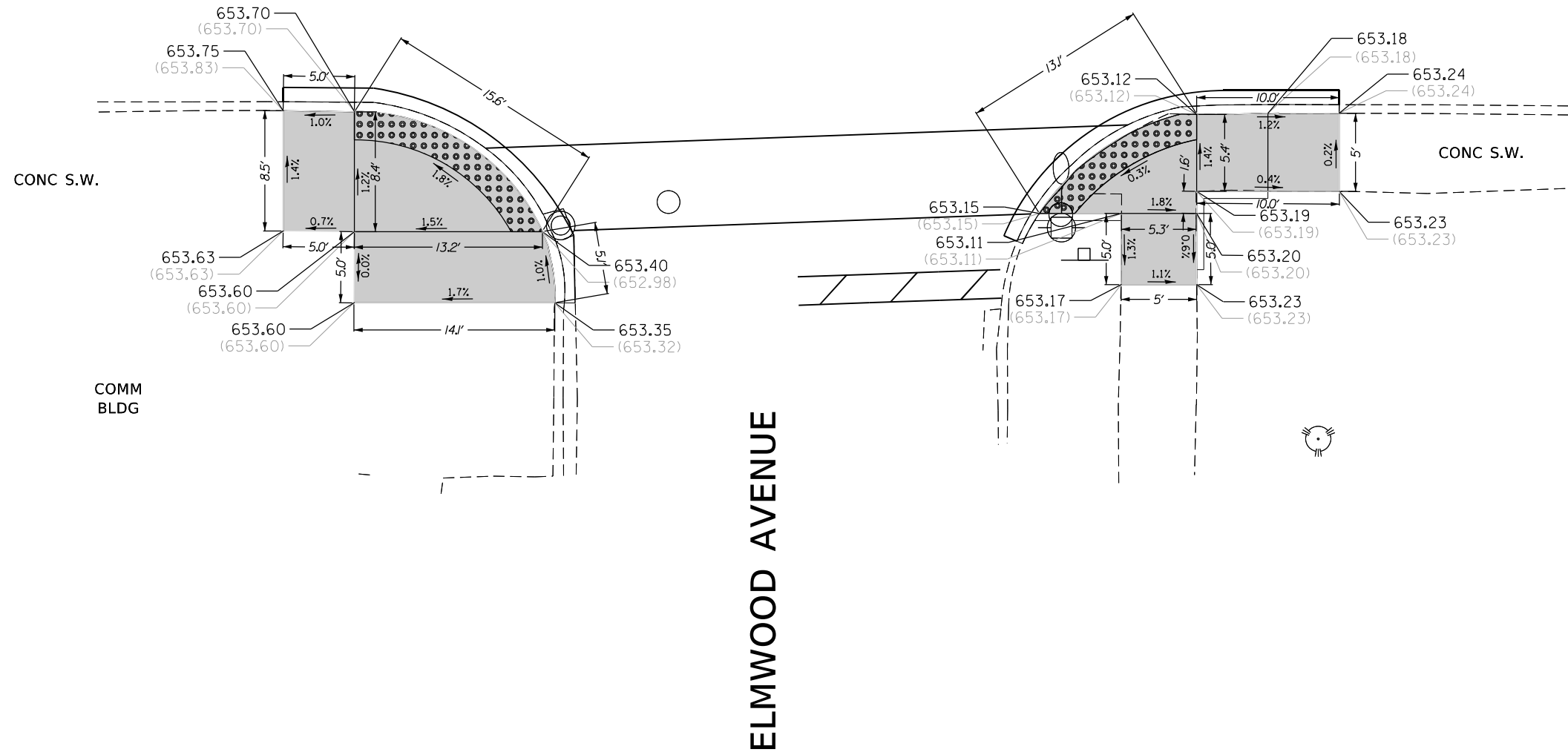
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED ADA SIDEWALK
SE & SW GRAND AVE. AT LEWIS AVE.

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 541	SECTION 2019-046-R5&SW	COUNTY LAKE	TOTAL SHEETS 90	SHEET NO. 48
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				

GRAND AVENUE



REFERENCE BENCHMARK ELEV 653.94
 BENCHMARK: RAILROAD SPIKE IN NORTH FACE OF POWER POLE
 LOCATION: SOUTH EAST CORNER OF GRAND AVE. AND ELMWOOD AVE.

LEGEND

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 653.94
 BENCHMARK: RAILROAD SPIKE IN NORTH FACE OF POWER POLE
 LOCATION: SOUTH EAST CORNER OF GRAND AVE. AND ELMWOOD AVE.

USER NAME = hassan	DESIGNED -	REVISED -	PLP 01/10/2018
	DRAWN -	REVISED -	
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -	
PLOT DATE = 10/22/2021	DATE -	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED ADA SIDEWALK
 SE & SW GRAND AVE. AT ELMWOOD AVE.**

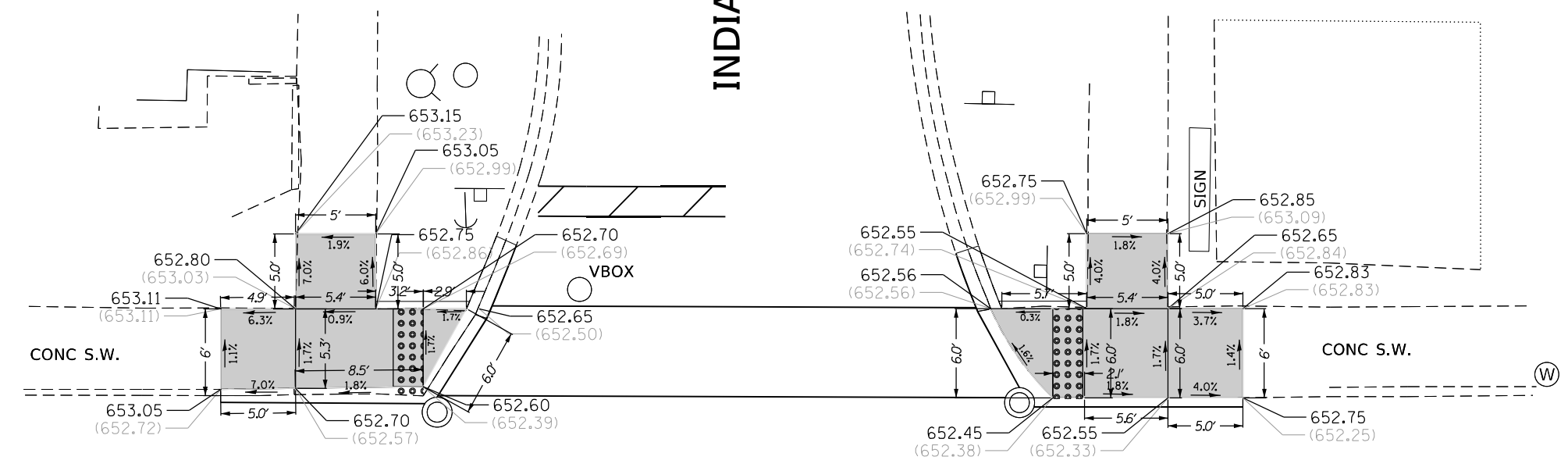
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2019-046-R5&SW	LAKE	90	49
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				

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INDIANA AVENUE



GRAND AVENUE

REFERENCE BENCHMARK ELEV 655.73
 BENCHMARK: EAST BOLT OF FIRE HYDRANT
 LOCATION: NORTH WEST CORNER OF GRAND AVE. AND INDIANA AVE.

LEGEND

- xx.xx' EXISTING LENGTH
- ===== PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- [Solid Grey Box] PROPOSED SIDEWALK
- [Grid Pattern Box] DETECTABLE WARNINGS
- [Cross-hatch Box] SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 655.73
 BENCHMARK: EAST BOLT OF FIRE HYDRANT
 LOCATION: NORTH WEST CORNER OF GRAND AVE. AND INDIANA AVE.

USER NAME = hassan	DESIGNED -	REVISED - PLP 01/10/2018
	DRAWN -	REVISED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

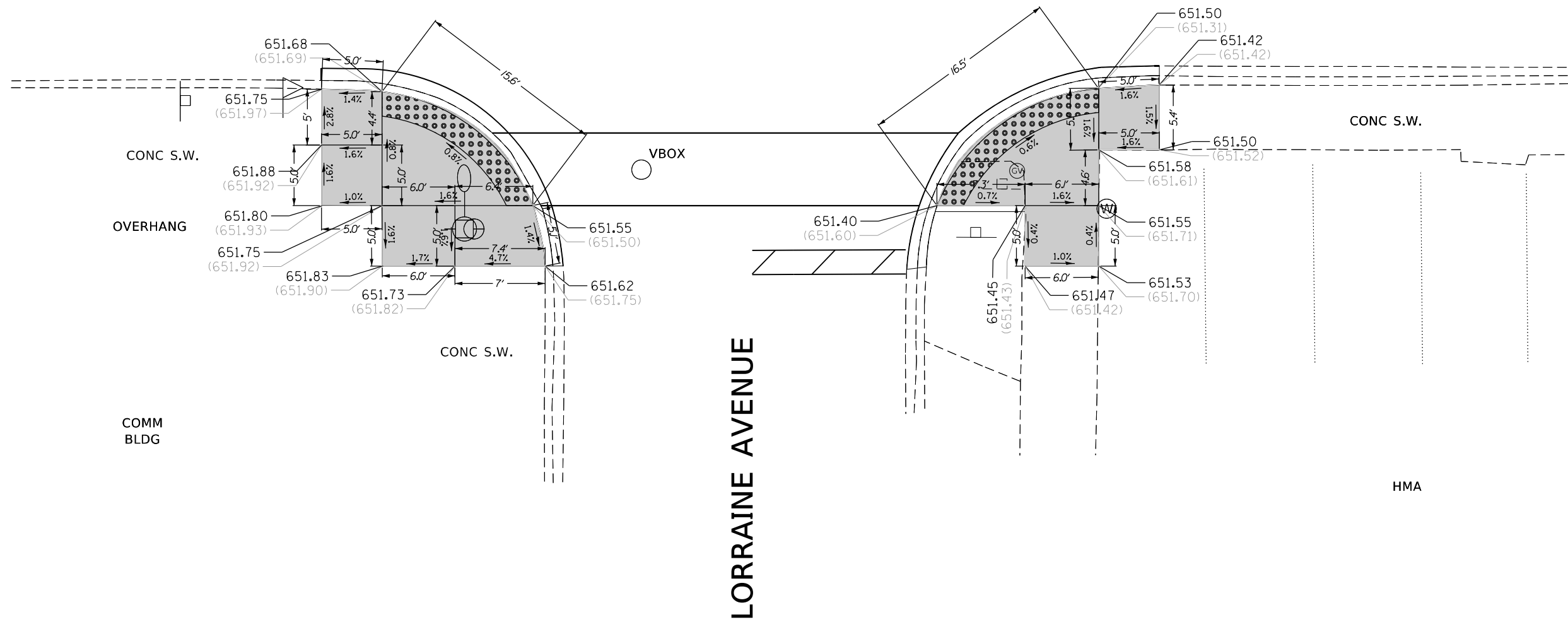
**PROPOSED ADA SIDEWALK
 NE & NW GRAND AVE. AT INDIANA AVE.**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2019-046-R5&SW	LAKE	90	50
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				

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GRAND AVENUE



REFERENCE BENCHMARK ELEV 652.25
 BENCHMARK: RAILROAD SPIKE IN EAST FACE OF POWER POLE
 LOCATION: SOUTH WEST CORNER OF GRAND AVE. AND LORRAINE AVE.

LEGEND

xx.xx'

EXISTING LENGTH

==

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
 REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 652.25
 BENCHMARK: RAILROAD SPIKE IN EAST FACE OF POWER POLE
 LOCATION: SOUTH WEST CORNER OF GRAND AVE. AND LORRAINE AVE.

MODEL: Default
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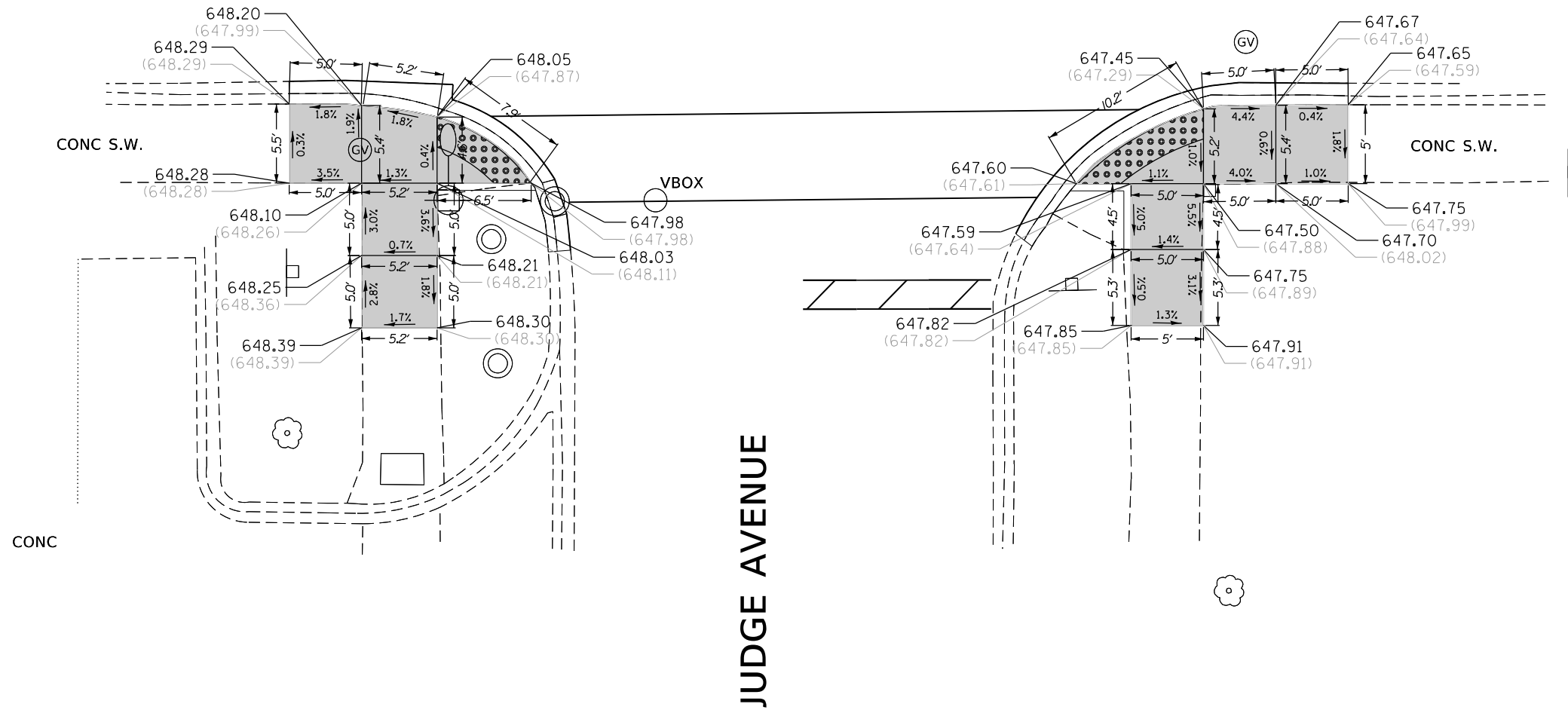
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED ADA SIDEWALK
 SE & SW GRAND AVE. AT LORRAINE AVE.**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2019-046-R5&SW	LAKE	90	51
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				

GRAND AVENUE



LEGEND

xx.xx'

EXISTING LENGTH

====

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 649.24

BENCHMARK: RAILROAD SPIKE IN EAST FACE OF POWER POLE

LOCATION: SOUTH WEST CORNER OF GRAND AVE. AND JUDGE AVE.

REFERENCE BENCHMARK ELEV 649.24

BENCHMARK: RAILROAD SPIKE IN EAST FACE OF POWER POLE

LOCATION: SOUTH WEST CORNER OF GRAND AVE. AND JUDGE AVE.

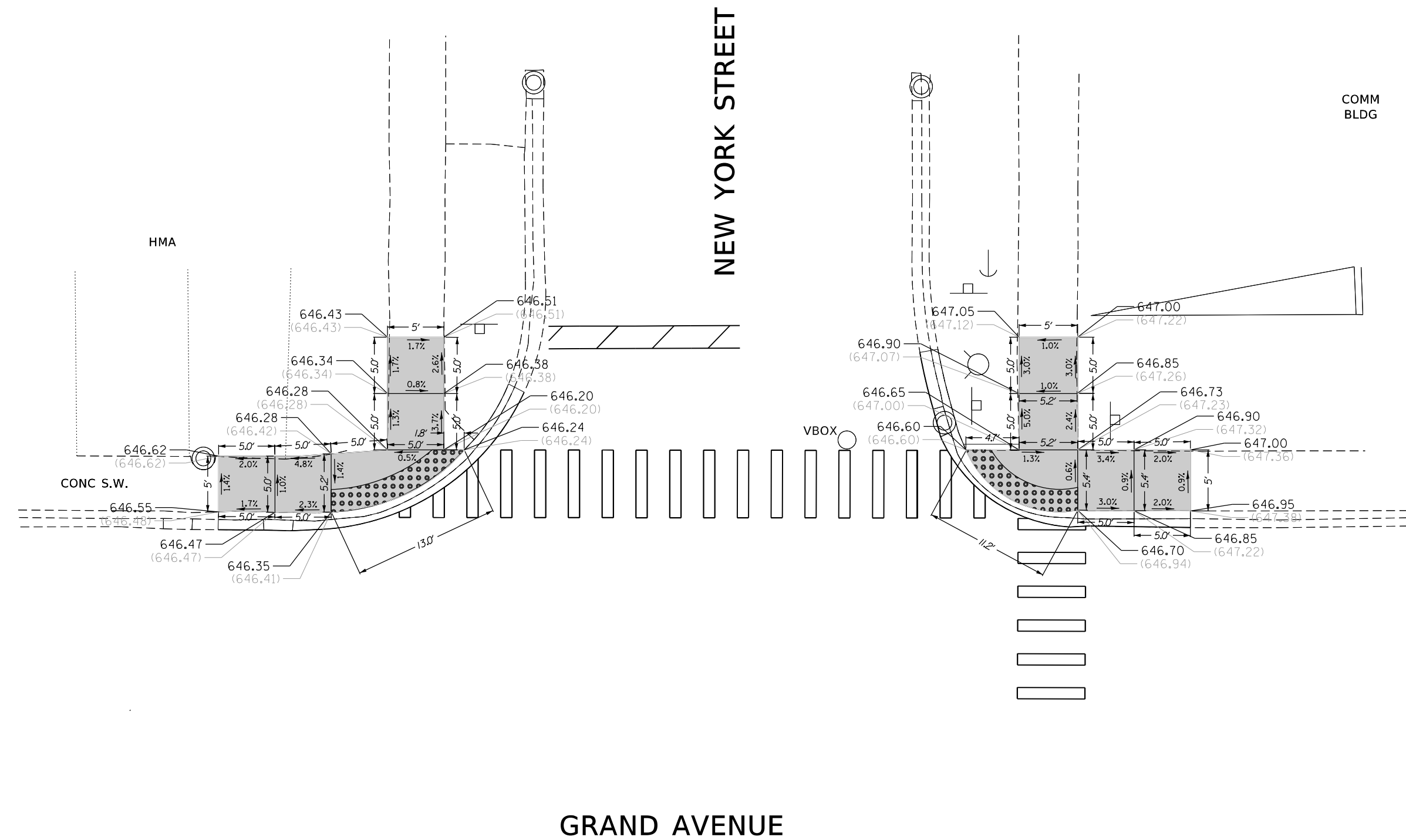
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PLOT DATE = 10/22/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED ADA SIDEWALK
SE & SW GRAND AVE. AT JUDGE AVE.

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2019-046-R5&SW	LAKE	90	52
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				



MODEL: Default
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REFERENCE BENCHMARK ELEV 648.02
 BENCHMARK: NORTH EAST TAG BOLT OF FIRE HYDRANT
 LOCATION: NORTH EAST CORNER OF GRAND AVE. AND NEW YORK ST.

LEGEND

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 648.02
 BENCHMARK: NORTH EAST TAG BOLT OF FIRE HYDRANT
 LOCATION: NORTH EAST CORNER OF GRAND AVE. AND NEW YORK ST.

USER NAME = hassan	DESIGNED -	REVISED - PLP 01/10/2018
	DRAWN -	REVISED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED ADA SIDEWALK
NE & NW GRAND AVE. AT NEW YORK ST.

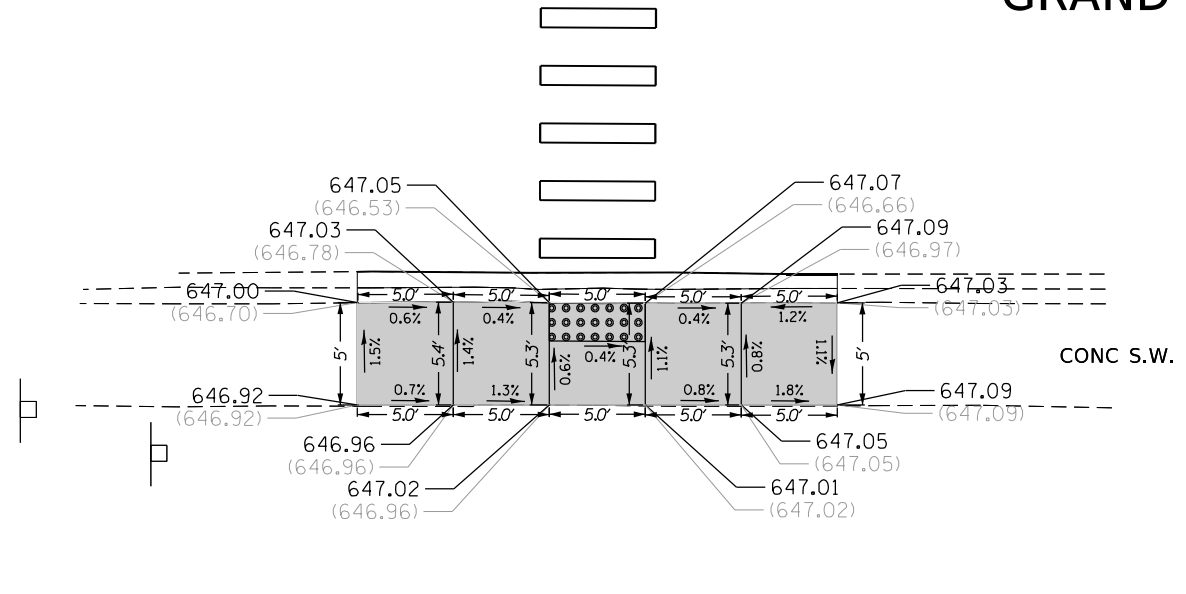
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2019-046-R5&SW	LAKE	90	53
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				

NEW YORK STREET



GRAND AVENUE



REFERENCE BENCHMARK ELEV 648.02
 BENCHMARK: NORTH EAST TAG BOLT OF FIRE HYDRANT
 LOCATION: NORTH EAST CORNER OF GRAND AVE. AND NEW YORK ST.

LEGEND



EXISTING LENGTH



PROPOSED SIDE CURB



EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
 REPLACE W/TOPSOIL & SOD

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED ADA SIDEWALK
 SE GRAND AVE. AT NEW YORK ST.

SCALE: SHEET OF SHEETS STA. TO STA.

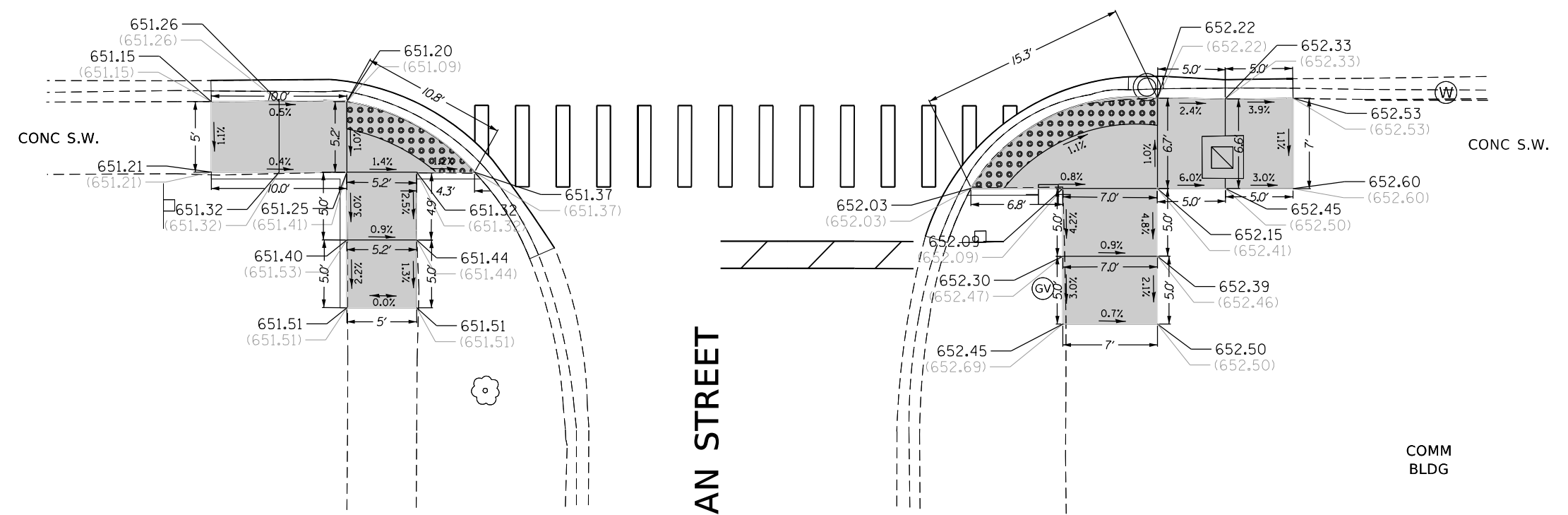
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PLOT DATE = 10/22/2021	DATE -	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2019-046-R5&SW	LAKE	90	54
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				

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GRAND AVENUE



YEOMAN STREET

LEGEND

- xx.xx' EXISTING LENGTH
- ===== PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- ▣ DETECTABLE WARNINGS
- ▤ SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 650.94
 BENCHMARK: RAILROAD SPIKE IN EAST FACE OF POWER POLE
 LOCATION: SOUTH WEST CORNER OF GRAND AVE. AND YEOMAN ST.

REFERENCE BENCHMARK ELEV 650.94
 BENCHMARK: RAILROAD SPIKE IN EAST FACE OF POWER POLE
 LOCATION: SOUTH WEST CORNER OF GRAND AVE. AND YEOMAN ST.

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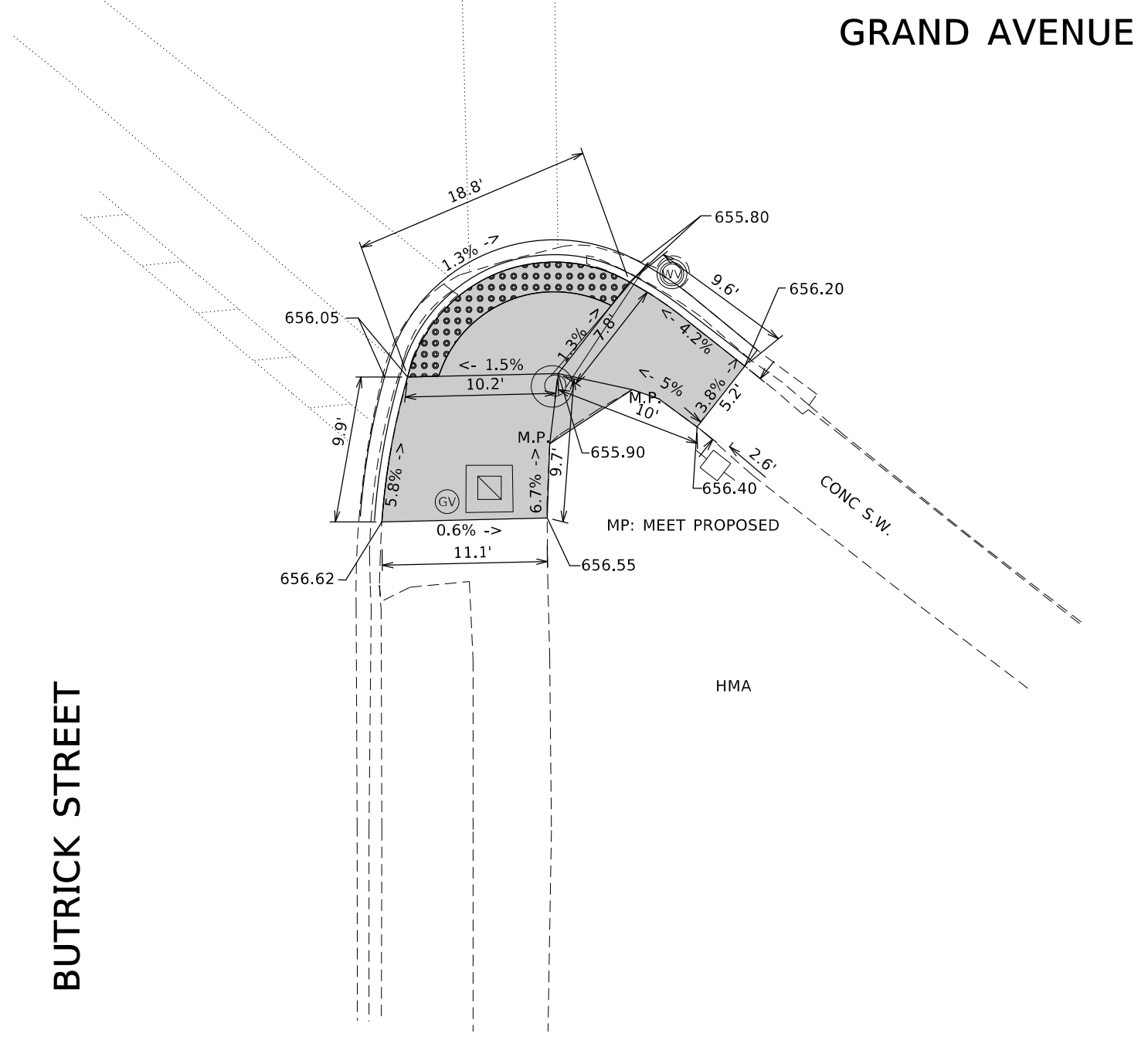
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PLOT DATE = 10/22/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED ADA SIDEWALK
 INSERT ADA CORNER**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2019-046-R5&SW	LAKE	90	56
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				



BUTRICK STREET

GRAND AVENUE

MODEL: Default
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REFERENCE BENCHMARK ELEV 657.05
BENCHMARK : SOUTH WEST BOLT OF FIRE HYDRANT
LOCATION : NORTH WEST CORNER OF GRAND AVE. & BUTRICK ST.

LEGEND

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

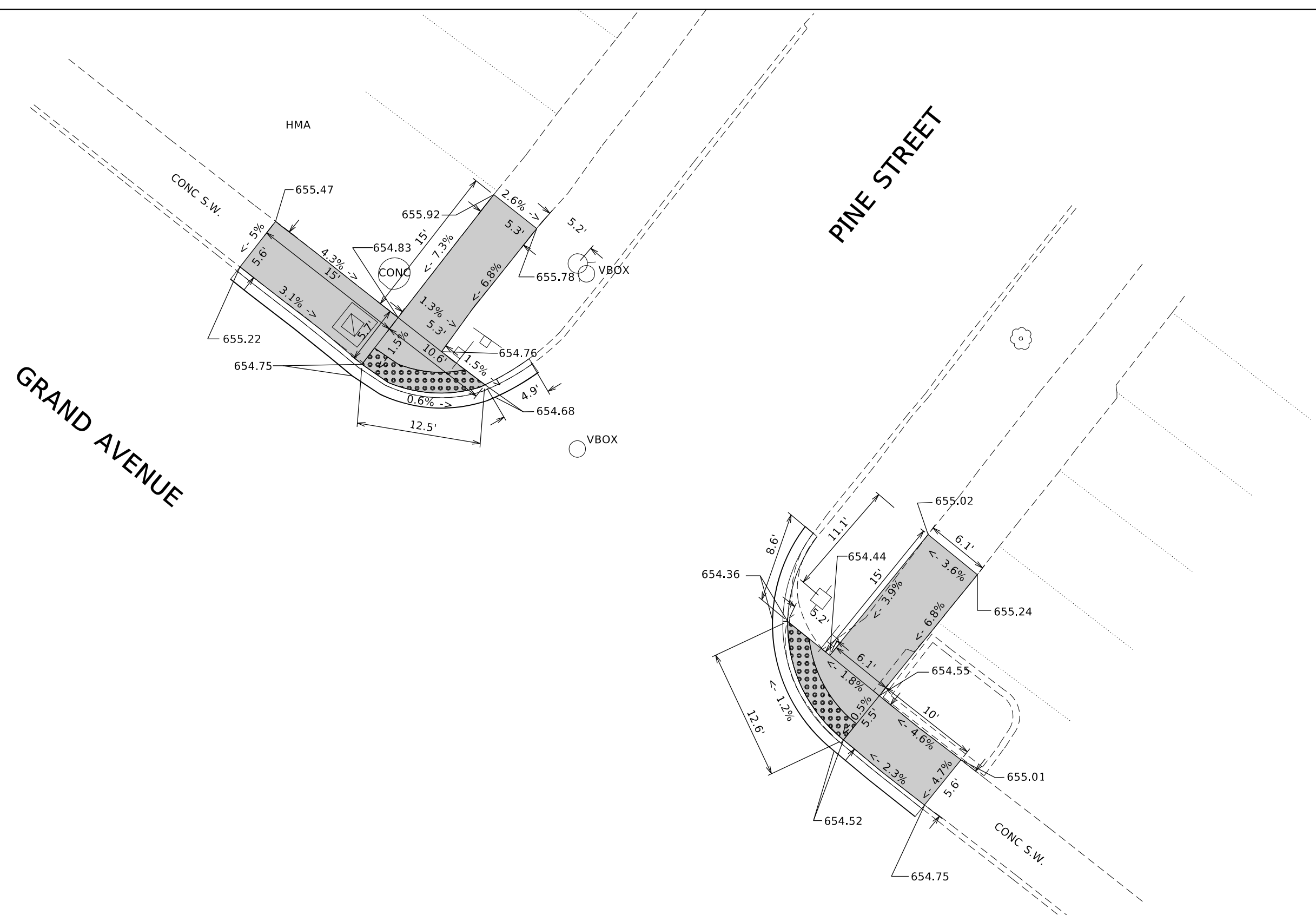
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIDEWALK DETAIL PLAN
SOUTH WEST CORNER OF GRAND AVE. & BUTRICK ST.**

USER NAME = hassan	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -	
PLOT DATE = 10/22/2021	DATE -	REVISED -	

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-R5&SW	LAKE	90	57
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				



REFERENCE BENCHMARK ELEV 656.85
 BENCHMARK : NORTH TAG BOLT OF FIRE HYDRANT
 LOCATION : NORTH WEST CORNER OF GRAND AVE. & PINE ST.

LEGEND

	EXISTING LENGTH		PROPOSED SIDEWALK
	PROPOSED SIDE CURB		DETECTABLE WARNINGS
	EXISTING ELEVATION/SLOPE		SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

MODEL: Default
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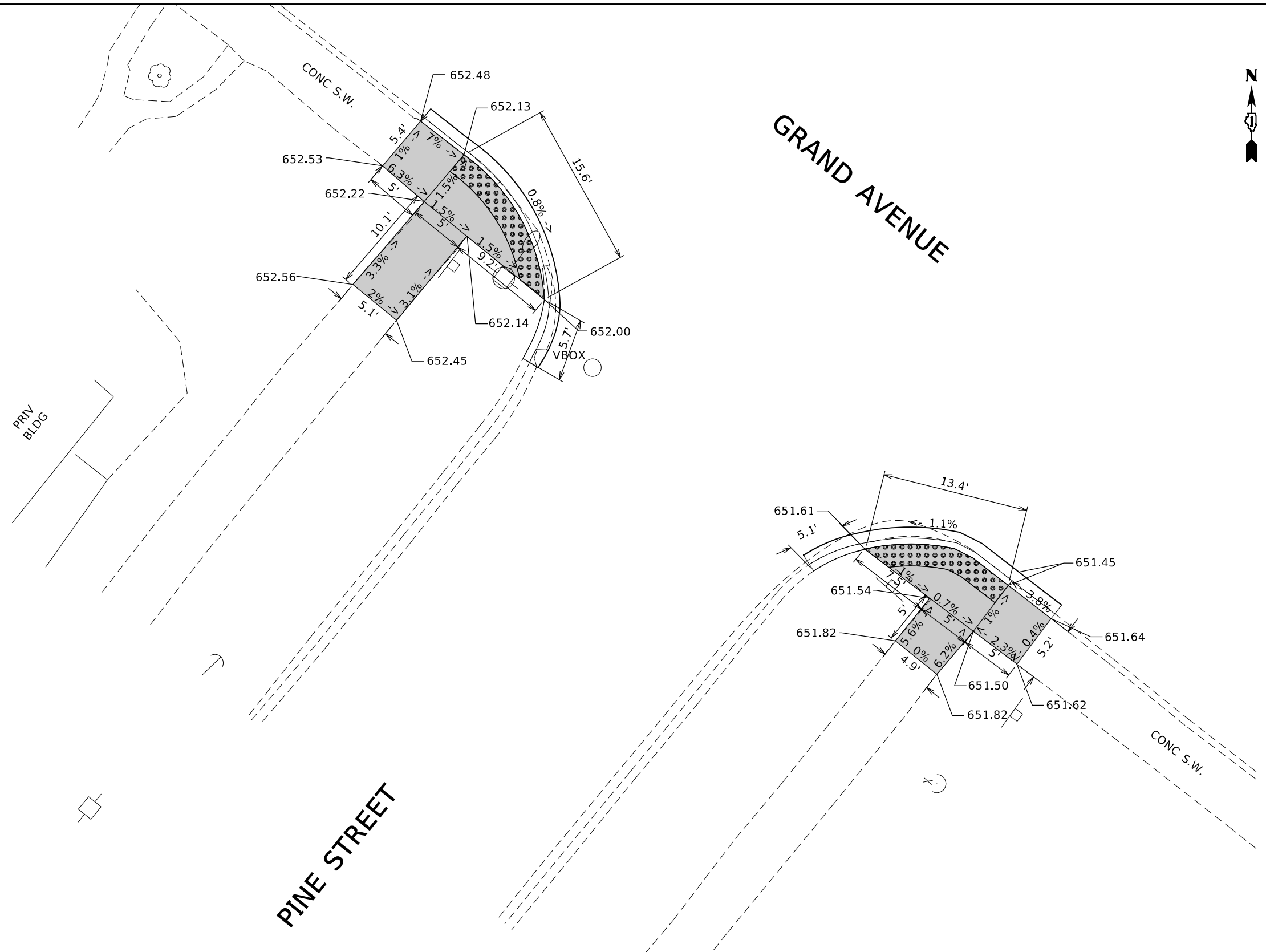
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PLOT DATE = 10/22/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIDEWALK DETAIL PLAN
NE & NW GRAND AVE. AT PINE ST.**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-R5&SW	LAKE	90	58
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				



REFERENCE BENCHMARK ELEV 652.94
 BENCHMARK : SOUTH EAST FACE OF POWER POLE
 LOCATION : SOUTH WEST CORNER OF GRAND AVE. & PINE ST.

LEGEND	
xx.xx'	EXISTING LENGTH
==	PROPOSED SIDE CURB
()	EXISTING ELEVATION/SLOPE
[Solid Grey Box]	PROPOSED SIDEWALK
[Dotted Box]	DETECTABLE WARNINGS
[Cross-hatched Box]	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

MODEL: Default
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USER NAME = hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 10/22/2021	DATE -	REVISED -

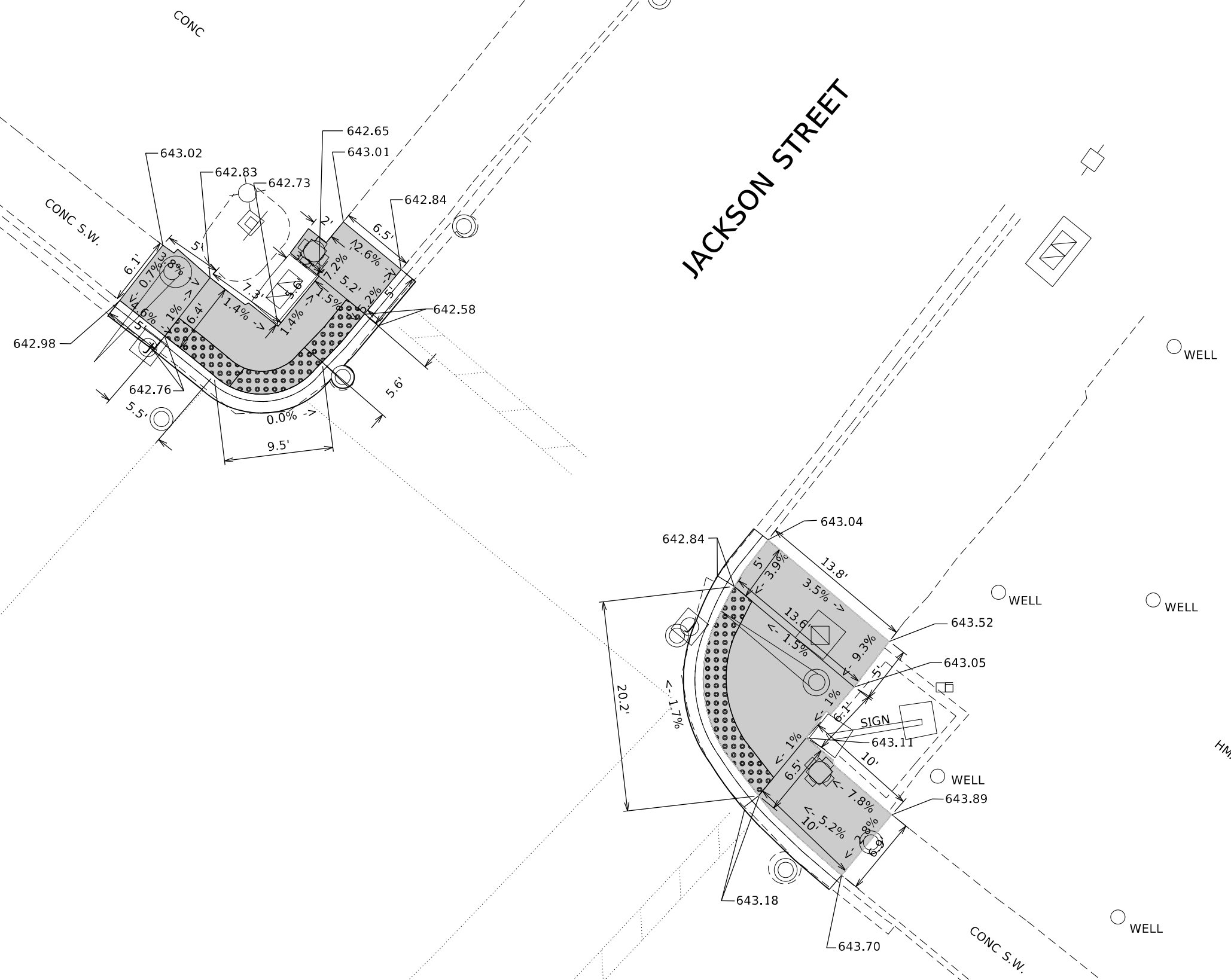
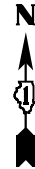
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:		SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-R5&SW	LAKE	90	59
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				

GRAND AVENUE

JACKSON STREET



REFERENCE BENCHMARK ELEV 644.83
 BENCHMARK: EAST LOWER BOLT OF FIRE HYDRANT
 LOCATION: NORTH EAST CORNER OF GRAND AVE. & JACKSON ST.

LEGEND

- xx.xx' EXISTING LENGTH
- ===== PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- ▣ DETECTABLE WARNINGS
- ▤ SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 644.83
 BENCHMARK: EAST LOWER BOLT OF FIRE HYDRANT
 LOCATION: NORTH EAST CORNER OF GRAND AVE. & JACKSON ST.

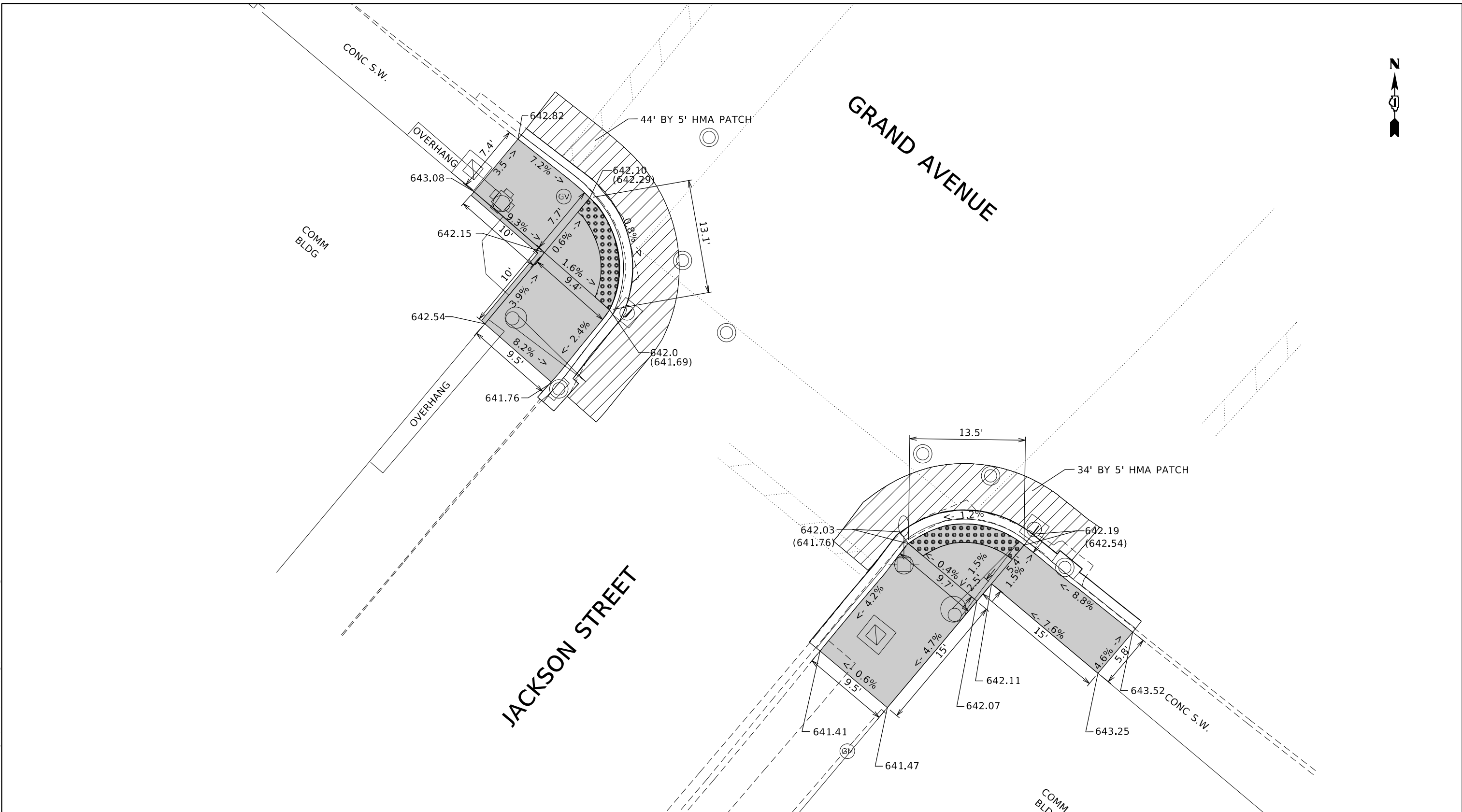
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	DRAWN -	REVISED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2021	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
 <<PROJECT ROAD >> - <<PROJECT LIMITS >>
 SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-R5&SW	LAKE	90	60
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62H06	



REFERENCE BENCHMARK ELEV 644.83
 BENCHMARK: EAST LOWER BOLT OF FIRE HYDRANT
 LOCATION: NORTH EAST CORNER OF GRAND AVE. & JACKSON ST.

LEGEND

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 644.83
 BENCHMARK: EAST LOWER BOLT OF FIRE HYDRANT
 LOCATION: NORTH EAST CORNER OF GRAND AVE. & JACKSON ST.

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PLOT DATE = 10/22/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

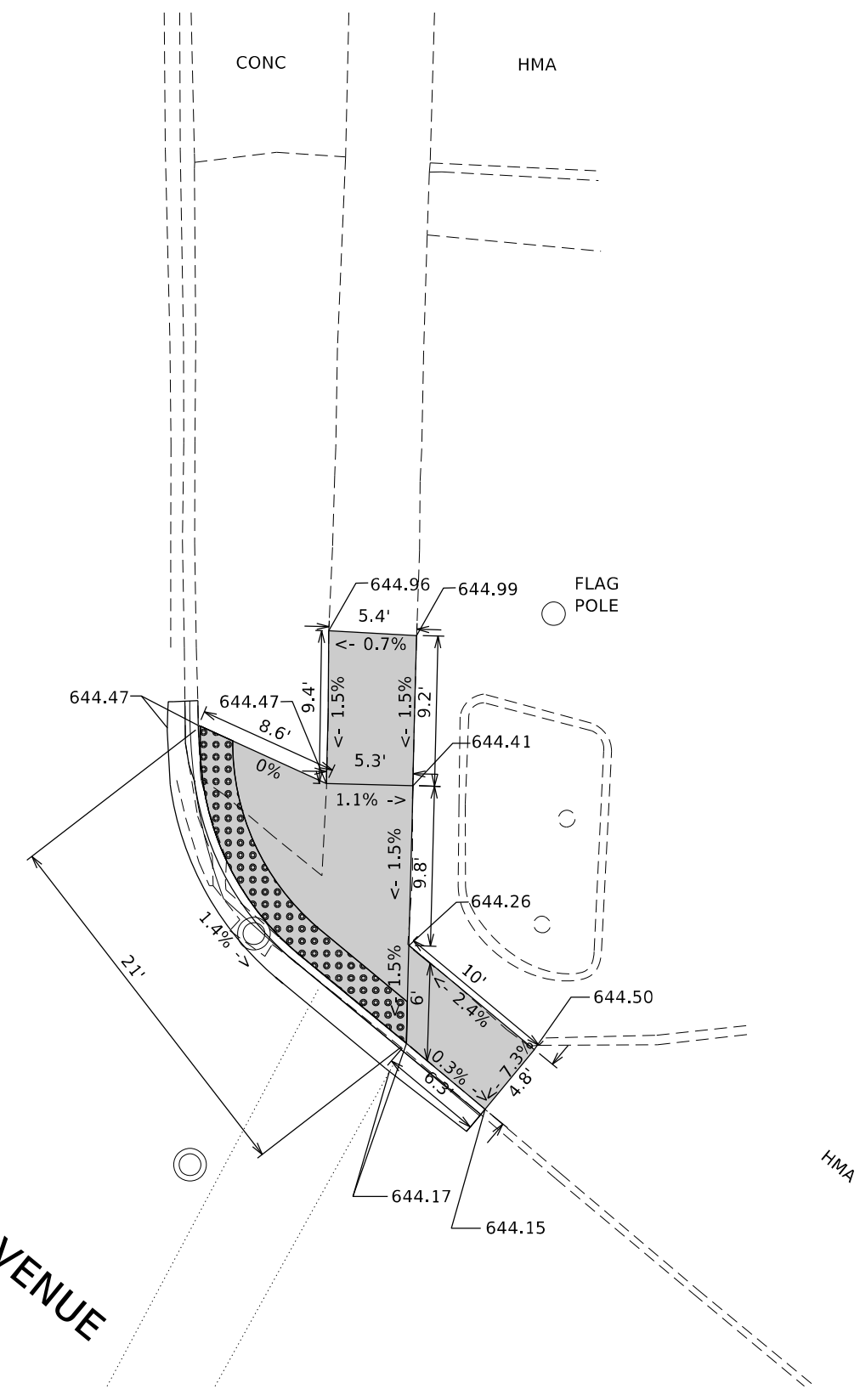
SIDEWALK DETAIL PLAN
 <<PROJECT ROAD >> - <<PROJECT LIMITS >>
 SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-R5&SW	LAKE	90	61
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62H06	

N. ASH STREET

VB

GRAND AVENUE



REFERENCE BENCHMARK ELEV 647.41
 BENCHMARK: EAST LOWER BOLT OF FIRE HYDRANT
 LOCATION: NORTH WEST CORNER OF GRAND AVE. & ASH ST.

LEGEND

- xx.xx' EXISTING LENGTH
- ===== PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- ▣ DETECTABLE WARNINGS
- ▧ SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

USER NAME = hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2021	DATE -	REVISED -

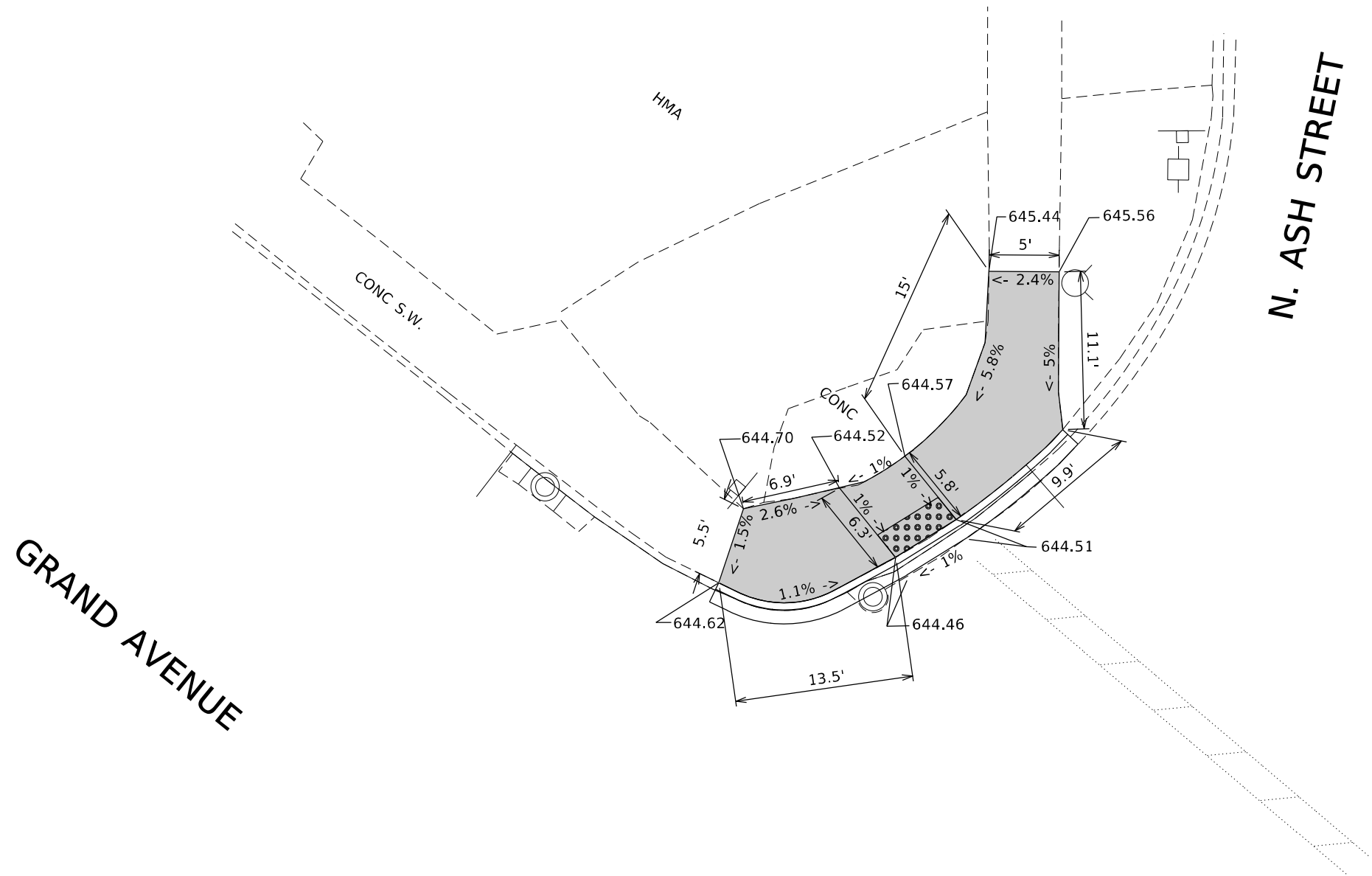
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**SIDEWALK DETAIL PLAN
 NE GRAND AVE. AT ASH ST.**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-R5&SW	LAKE	90	62
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62H06	

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LEGEND

- xx.xx' EXISTING LENGTH
- ==== PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- ▣ DETECTABLE WARNINGS
- ▤ SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
 NW GRAND AVE. AT ASH ST.

SCALE: SHEET OF SHEETS STA. TO STA.

USER NAME = hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2021	DATE -	REVISED -

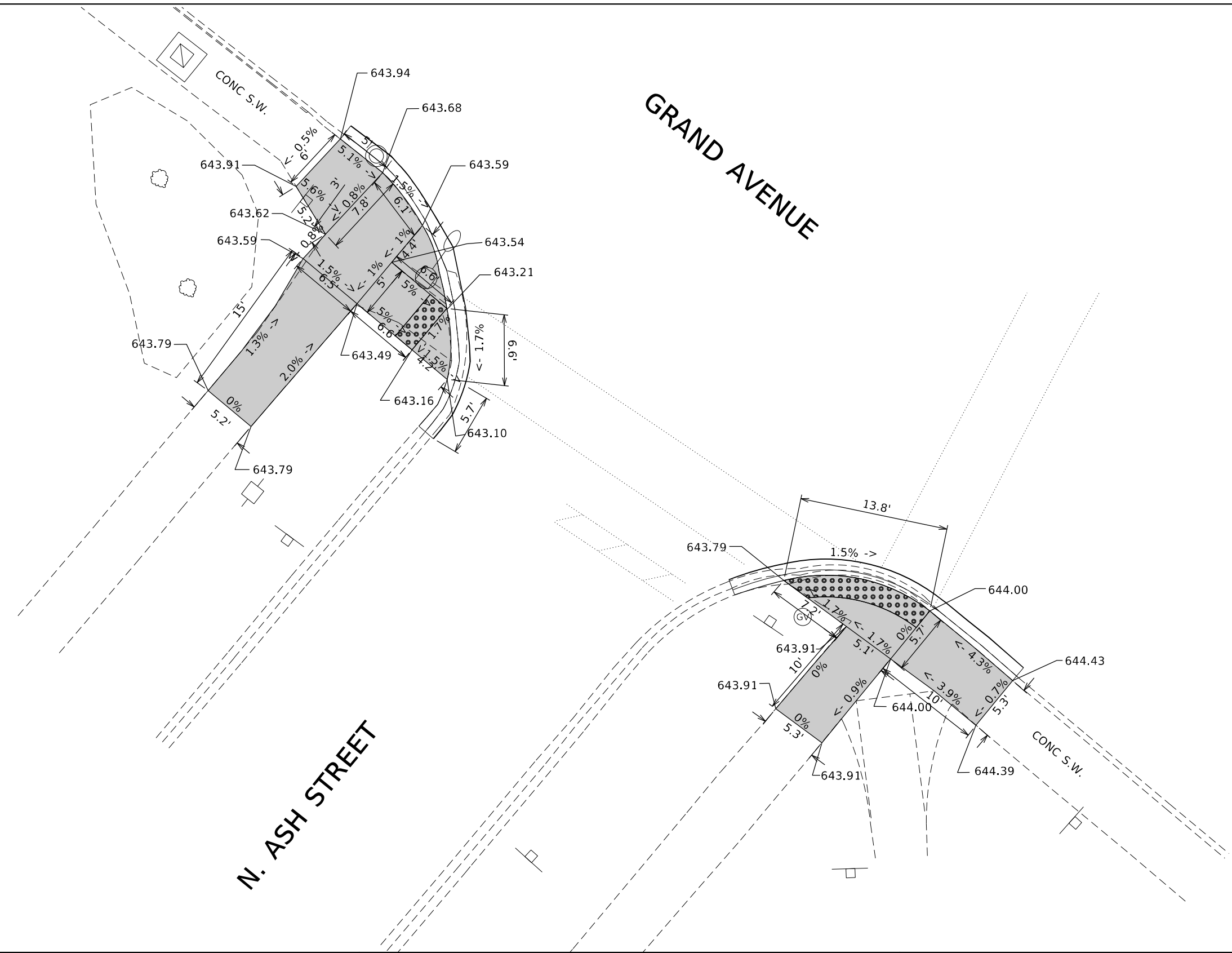
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-R5&SW	LAKE	90	63
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62H06	

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GRAND AVENUE

N. ASH STREET



REFERENCE BENCHMARK ELEV 647.41
 BENCHMARK: EAST LOWER BOLT OF FIRE HYDRANT
 LOCATION: NORTH WEST CORNER OF GRAND AVE. & ASH ST.

LEGEND

xx.xx'	EXISTING LENGTH		PROPOSED SIDEWALK
	PROPOSED SIDE CURB		DETECTABLE WARNINGS
()	EXISTING ELEVATION/SLOPE		SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 647.41
 BENCHMARK: EAST LOWER BOLT OF FIRE HYDRANT
 LOCATION: NORTH WEST CORNER OF GRAND AVE. & ASH ST.

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PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
SE & SW GRAND AVE. AT ASH ST.

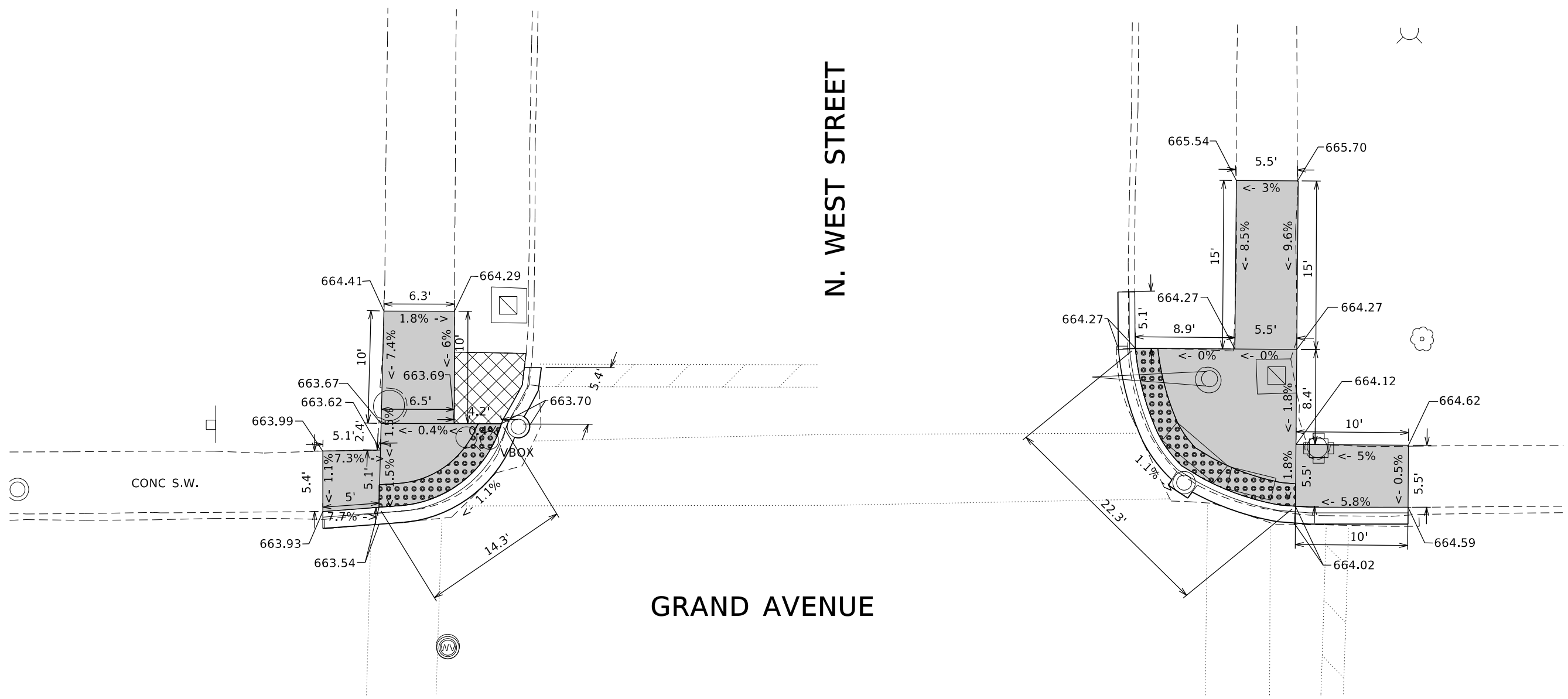
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-R5&SW	LAKE	90	64
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				



N. WEST STREET

GRAND AVENUE



REFERENCE BENCHMARK ELEV 665.86
 BENCHMARK: SOUTH WEST TAG BOLT ON FIRE HYDRANT
 LOCATION: NORTH WEST CORNER OF GRAND AVE. & WEST ST.

LEGEND

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

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DRAWN -	REVISIONS -	
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PLOT DATE = 10/22/2021	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

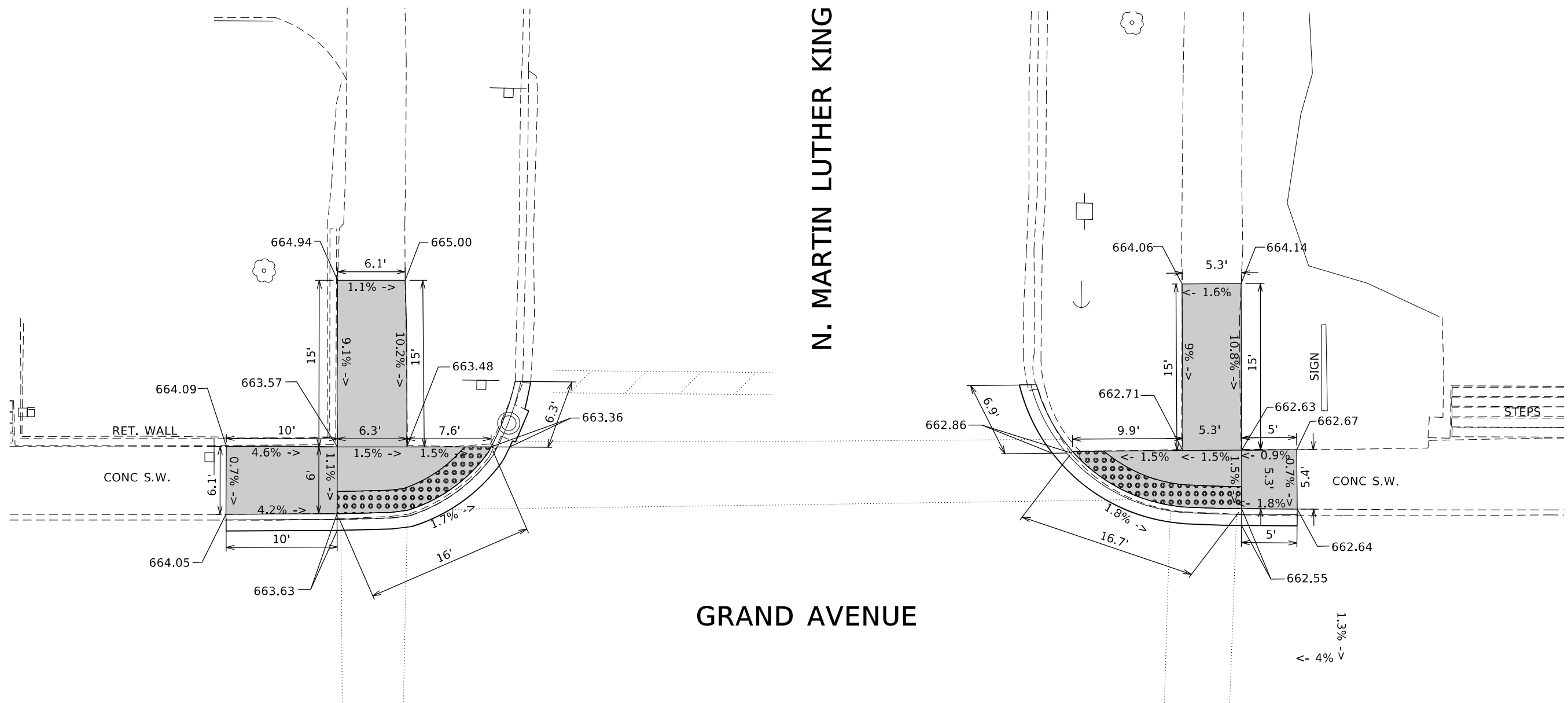
SIDEWALK DETAIL PLAN
 NE & NW GRAND AVE. & WEST ST.

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-R5&S6	LAKE	90	67
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62H06	



N. MARTIN LUTHER KING JR. AVENUE



GRAND AVENUE

REFERENCE BENCHMARK ELEV 644.41
 BENCHMARK: SOUTH EAST TAG BOLT ON FIRE HYDRANT
 LOCATION: SOUTH EAST CORNER OF GRAND AVE. & N. MLK JR. ST.

LEGEND

xx.xx'	EXISTING LENGTH		PROPOSED SIDEWALK
	PROPOSED SIDE CURB		DETECTABLE WARNINGS
()	EXISTING ELEVATION/SLOPE		SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIDEWALK DETAIL PLAN
NE & NW GRAND AVE. & N. MLK JR. ST.**

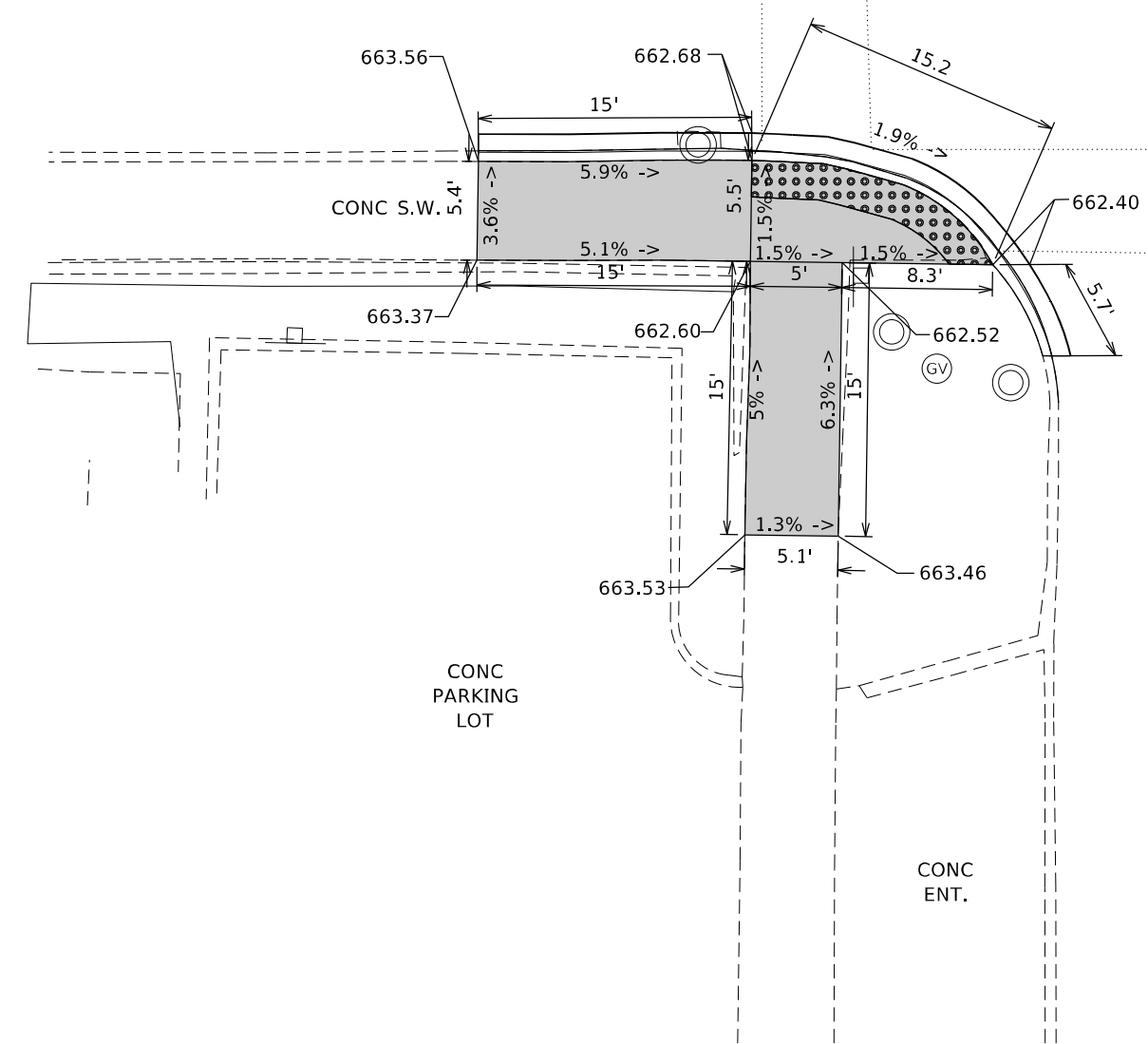
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-R5&SW	LAKE	90	69
CONTRACT NO. 62H06				

SCALE: SHEET OF SHEETS STA. TO STA.

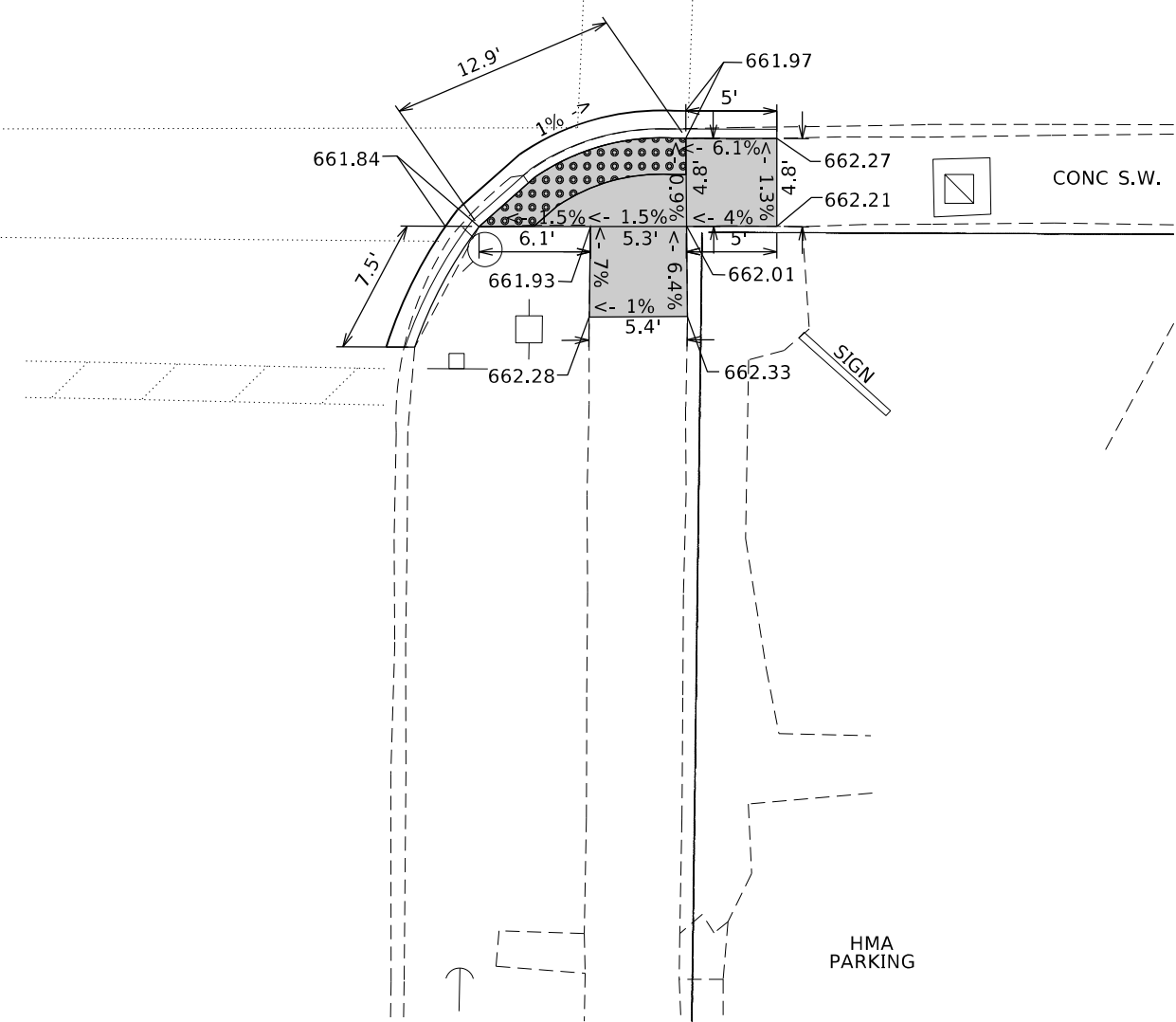
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GRAND AVENUE



N. MARTIN LUTHER KING JR. AVENUE



REFERENCE BENCHMARK ELEV 644.41
 BENCHMARK: SOUTH EAST TAG BOLT ON FIRE HYDRANT
 LOCATION: SOUTH EAST CORNER OF GRAND AVE. & N. MLK JR. ST.

LEGEND	
xx.xx'	EXISTING LENGTH
==	PROPOSED SIDE CURB
()	EXISTING ELEVATION/SLOPE
[Solid Grey Box]	PROPOSED SIDEWALK
[Dotted Box]	DETECTABLE WARNINGS
[Cross-hatched Box]	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
 SE & SW GRAND AVE. & N. MLK JR. ST.

SCALE: SHEET OF SHEETS STA. TO STA.

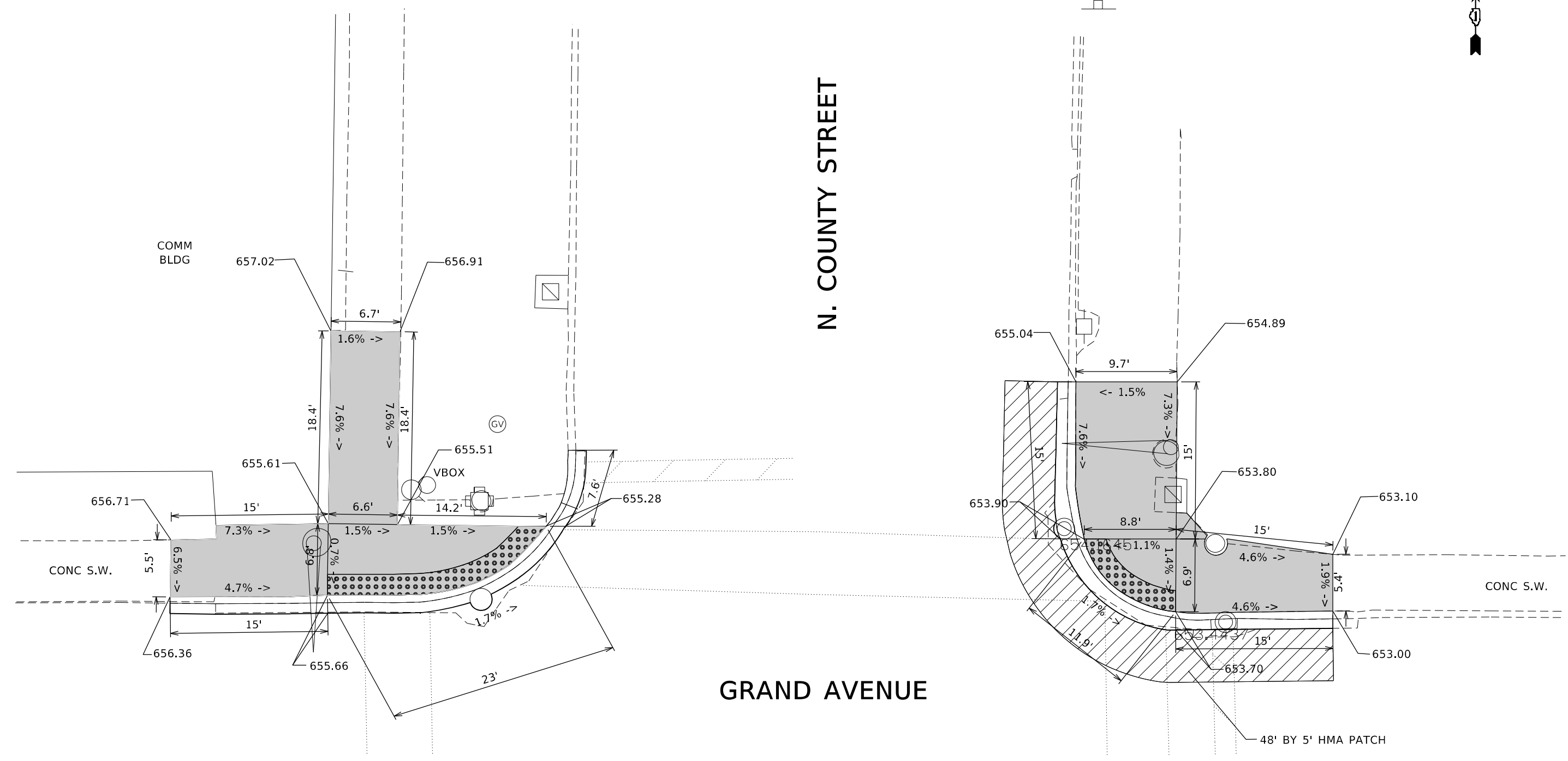
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-R5&SW	LAKE	90	70
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62H06	

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N. COUNTY STREET

GRAND AVENUE



REFERENCE BENCHMARK ELEV 655.63
 BENCHMARK: CUT SQUARE IN TRAFFIC SIGNAL BASE
 LOCATION: SOUTH WEST CORNER OF GRAND AVE. & COUNTY ST.

LEGEND

xx.xx'	EXISTING LENGTH		PROPOSED SIDEWALK
	PROPOSED SIDE CURB		DETECTABLE WARNINGS
()	EXISTING ELEVATION/SLOPE		SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

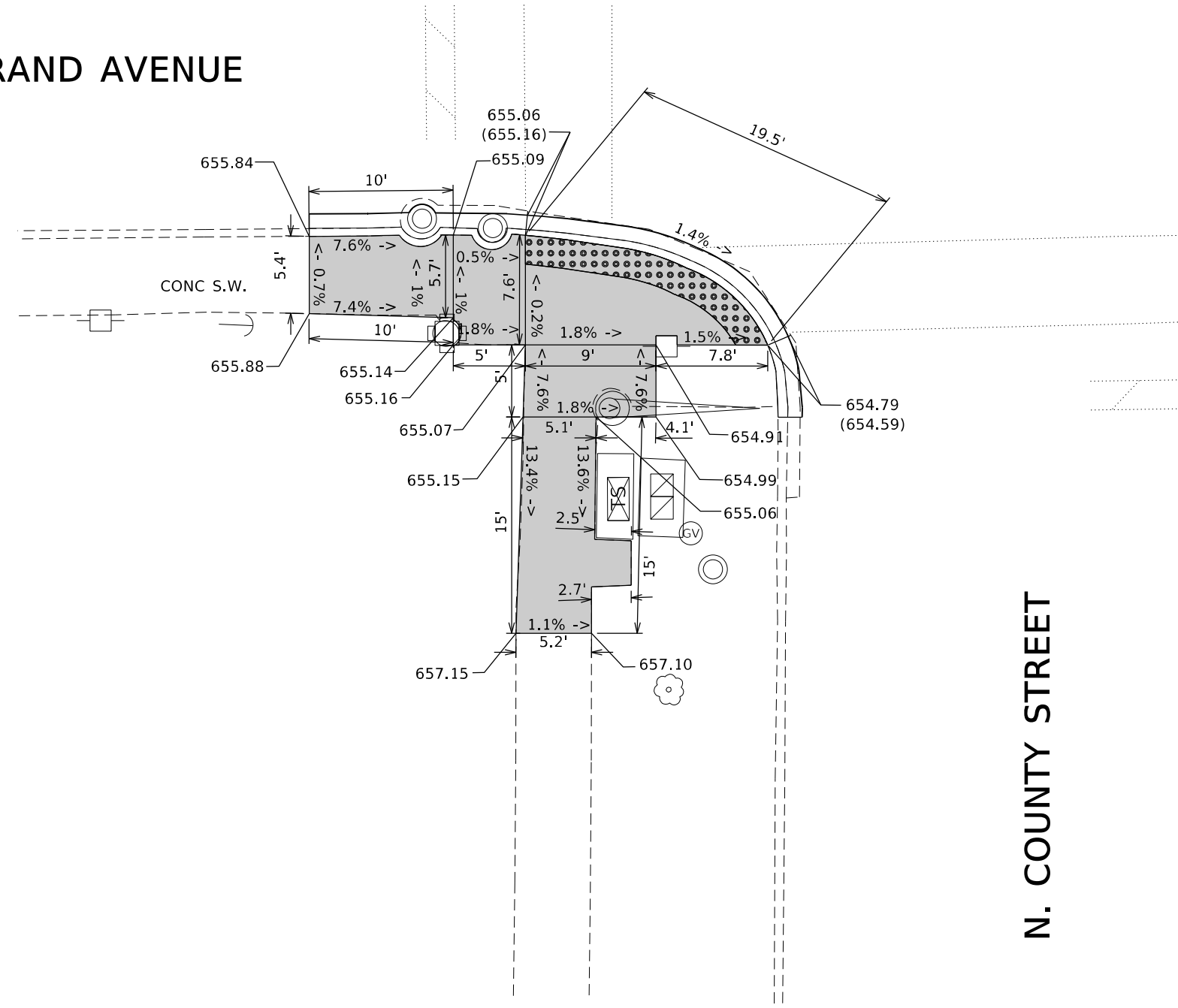
**SIDEWALK DETAIL PLAN
NE & NW GRAND AVE. AT COUNTY ST.**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-R5&SW	LAKE	90	71
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				

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GRAND AVENUE



N. COUNTY STREET

LEGEND

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 655.63
 BENCHMARK: CUT SQUARE IN TRAFFIC SIGNAL BASE
 LOCATION: SOUTH WEST CORNER OF GRAND AVE. & COUNTY ST.

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SIDEWALK DETAIL PLAN
 SW GRAND AVE. AT COUNTY ST.**

USER NAME = hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2021	DATE -	REVISED -

SCALE: SHEET OF SHEETS STA. TO STA.

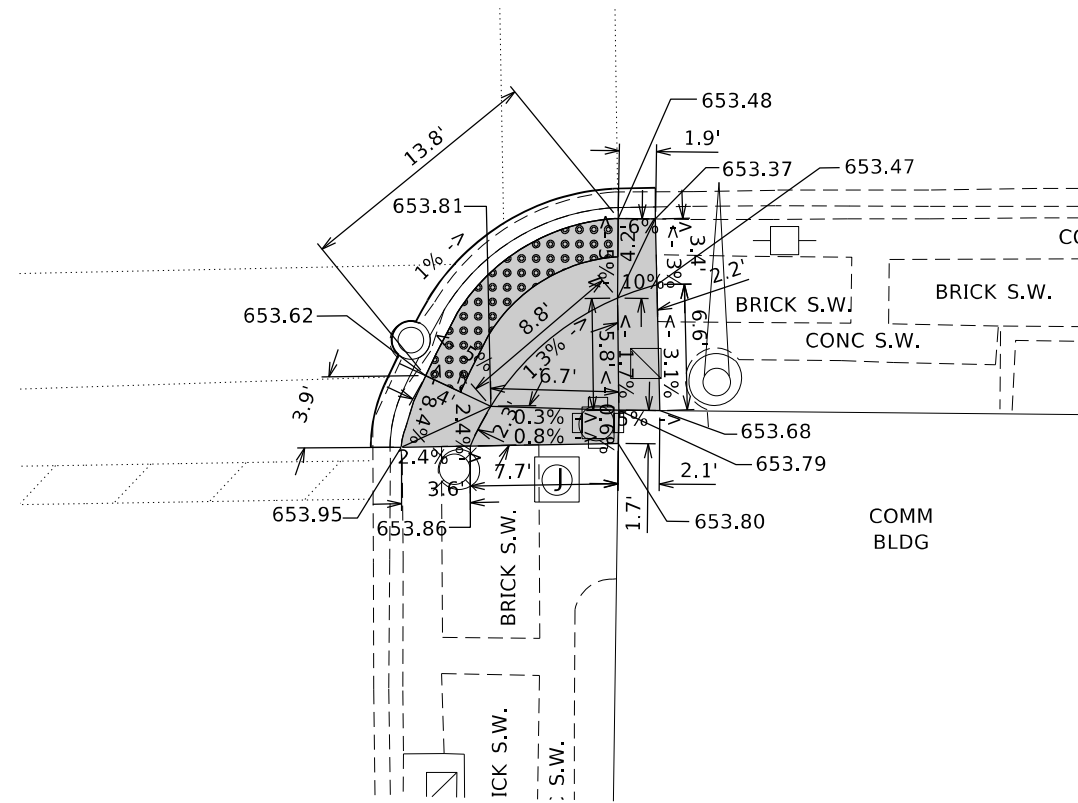
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541	2018-046-R5&SW	LAKE	90	72
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				

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GRAND AVENUE



N. COUNTY STREET



REFERENCE BENCHMARK ELEV 655.63
 BENCHMARK: CUT SQUARE IN TRAFFIC SIGNAL BASE
 LOCATION: SOUTH WEST CORNER OF GRAND AVE. & COUNTY ST.

LEGEND

xx.xx'

EXISTING LENGTH



PROPOSED SIDE CURB



EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
 REPLACE W/TOPSOIL & SOD

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

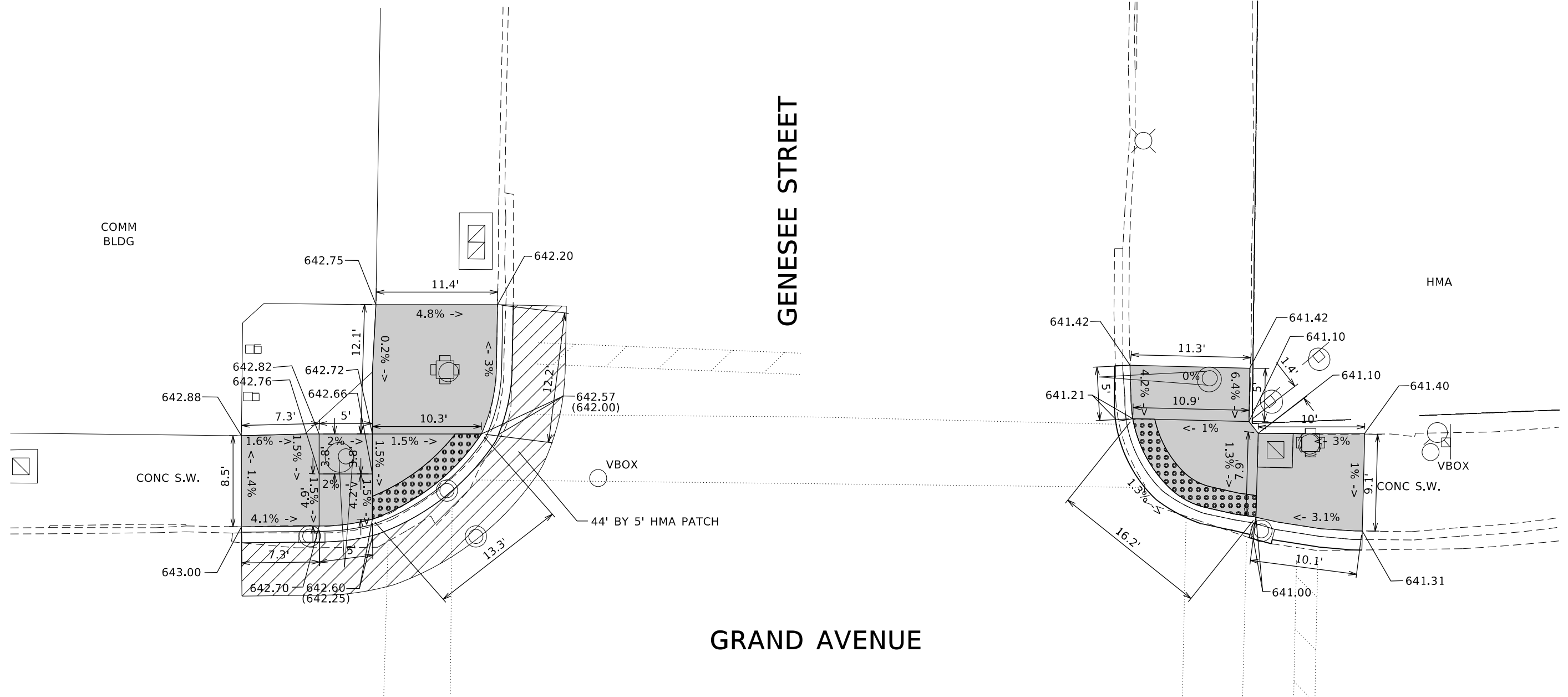
SIDEWALK DETAIL PLAN
 SE GRAND AVE. AT COUNTY ST.

SCALE: SHEET OF SHEETS STA. TO STA.

USER NAME = hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2021	DATE -	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-R5&SW	LAKE	90	73
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				

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REFERENCE BENCHMARK ELEV 645.09

BENCHMARK: SOUTH WEST TAG BOLT OF FIRE HYDRANT

LOCATION: SOUTH WEST CORNER OF GRAND AVE. & GENESEE ST.

LEGEND

xx.xx'

EXISTING LENGTH

====

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIDEWALK DETAIL PLAN
NE & NW GRAND AVE. & GENESEE ST.**

SCALE: SHEET OF SHEETS STA. TO STA.

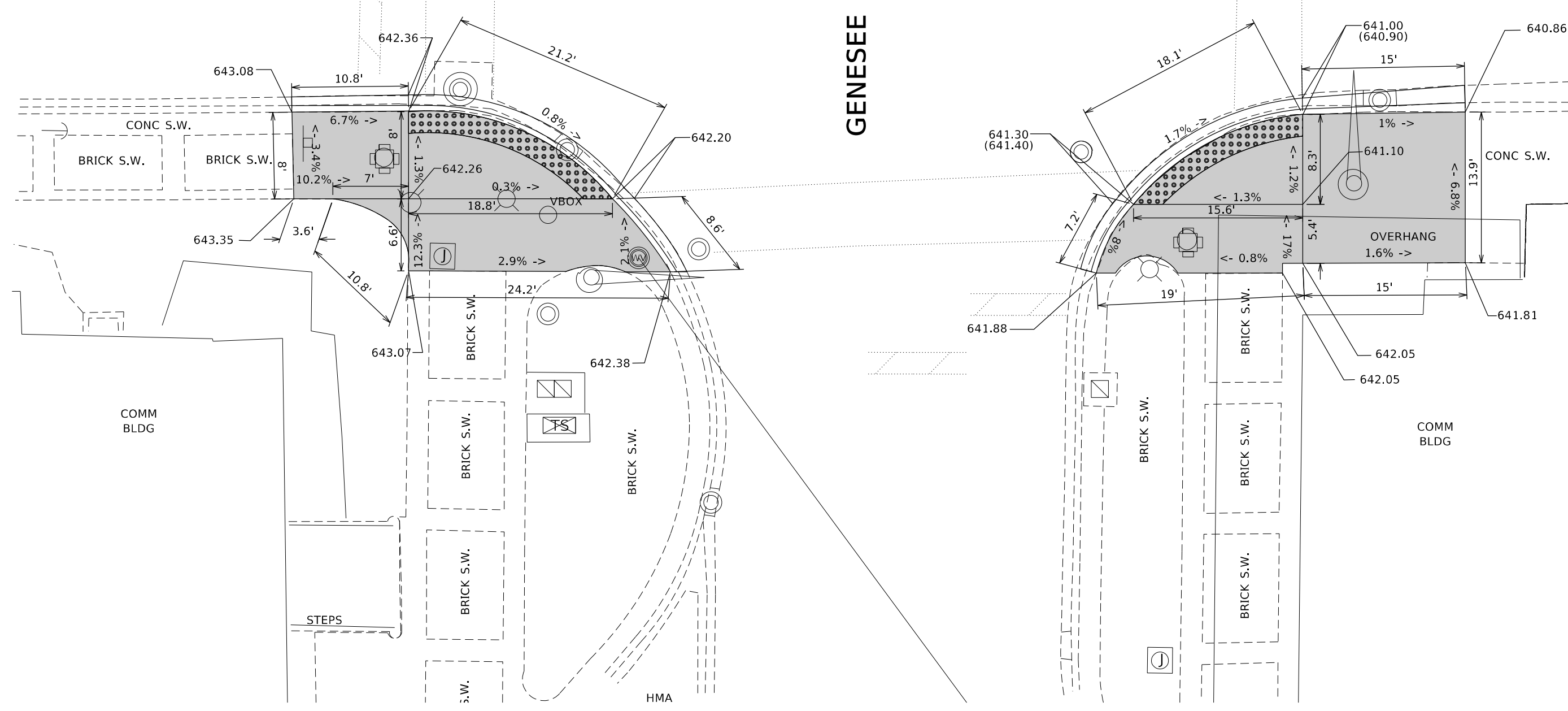
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-R5&SW	LAKE	90	74
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62H06	

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GENESEE STREET

GRAND AVENUE



REFERENCE BENCHMARK ELEV 645.09
 BENCHMARK: SOUTH WEST TAG BOLT OF FIRE HYDRANT
 LOCATION: SOUTH WEST CORNER OF GRAND AVE. & GENESEE ST.

LEGEND

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

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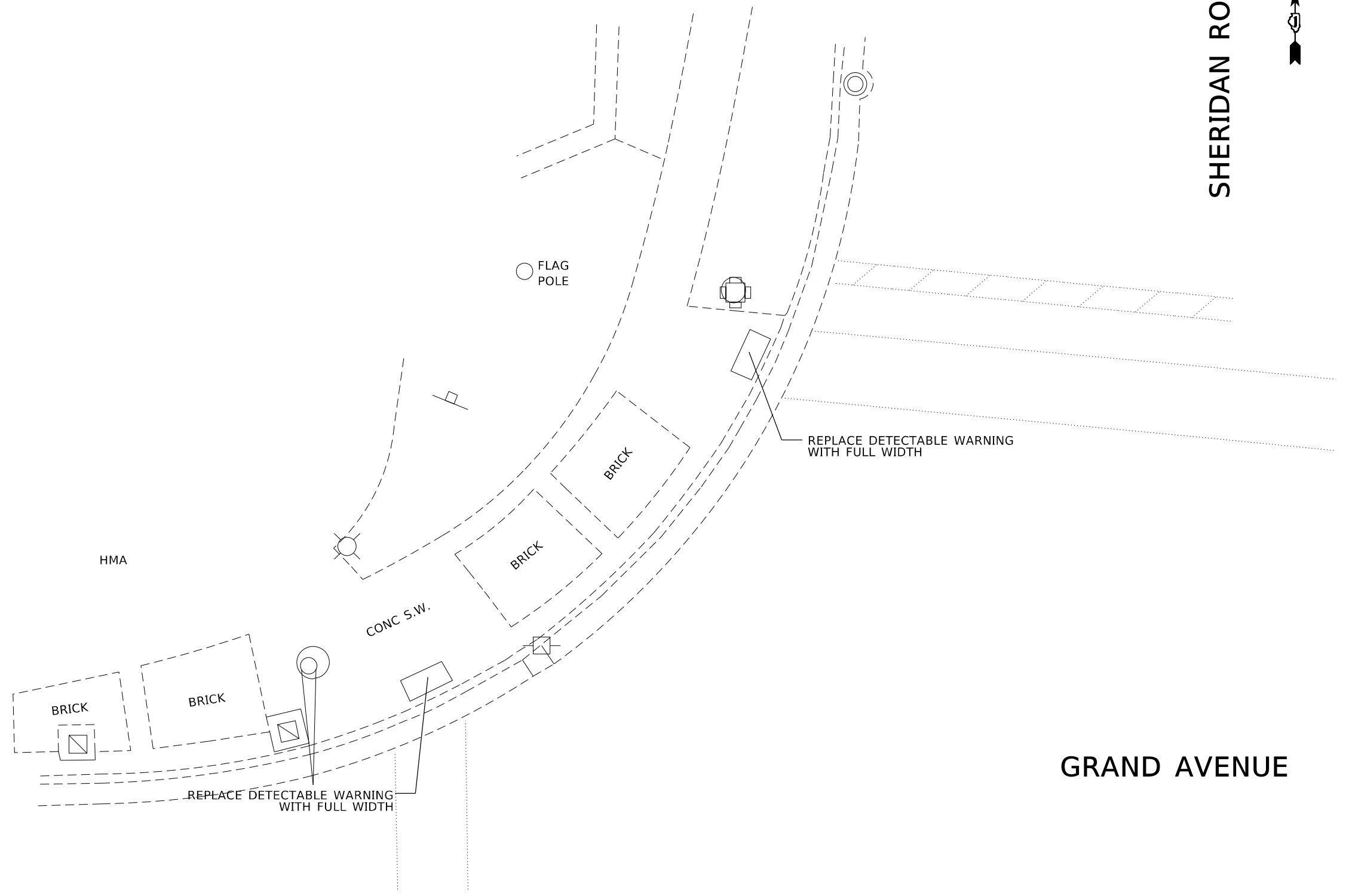
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PLOT DATE = 10/22/2021	DATE -	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIDEWALK DETAIL PLAN SE & SW GRAND AVE. & GENESEE ST.				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-R5&SW	LAKE	90	75
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				

SHERIDAN ROAD



GRAND AVENUE

REFERENCE BENCHMARK ELEV 636.85
 BENCHMARK: SOUTH WEST TAG BOLT OF FIRE HYDRANT
 LOCATION: SOUTH WEST CORNER OF GRAND AVE. & SHERIDAN RD.

LEGEND

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SIDEWALK DETAIL PLAN
 NW GRAND AVE. & SHERIDAN RD.**

SCALE: SHEET OF SHEETS STA. TO STA.

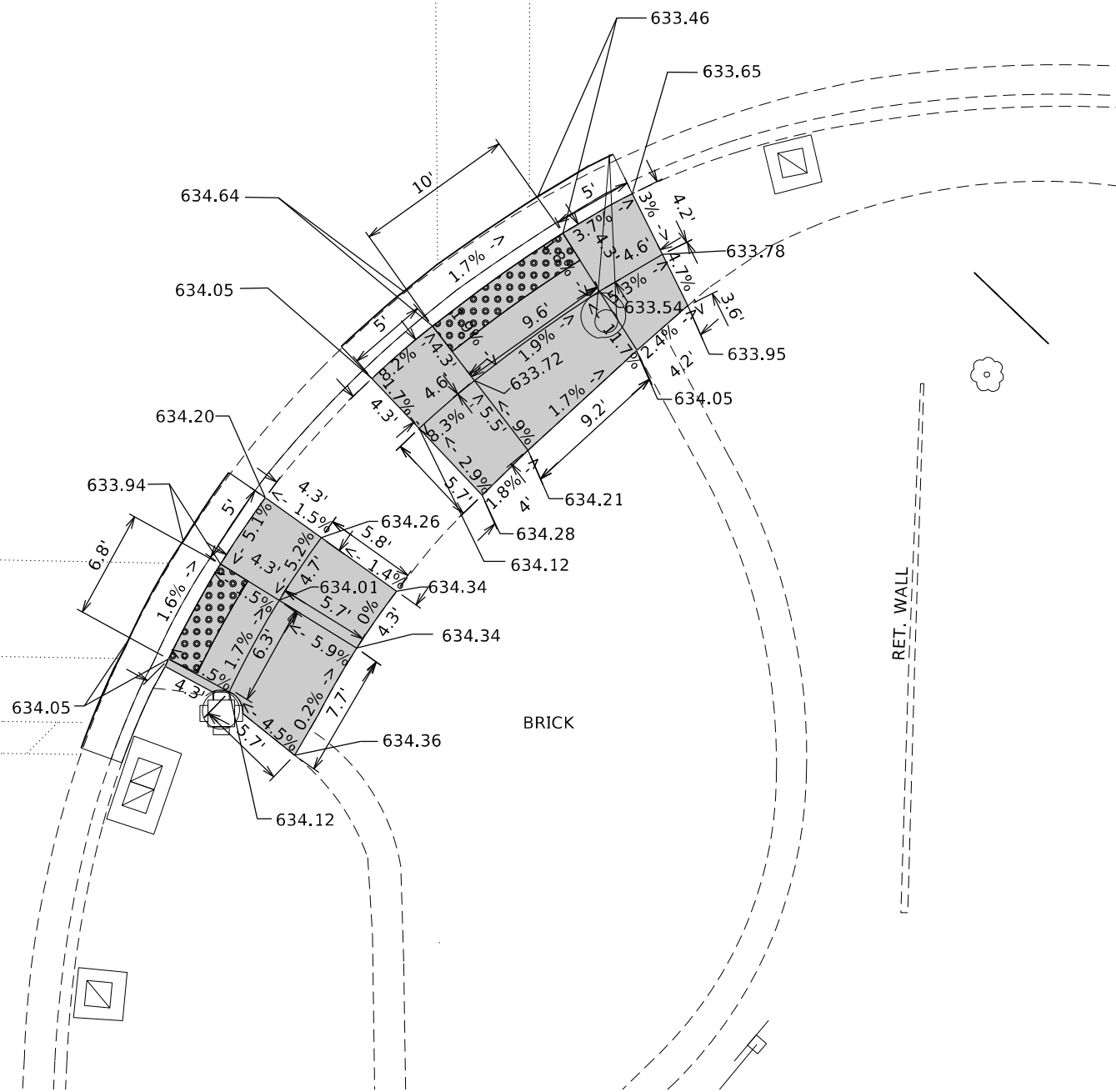
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-R5&SW	LAKE	90	76
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				

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GRAND AVENUE



SHERIDAN ROAD



LEGEND

- xx.xx' EXISTING LENGTH
- PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

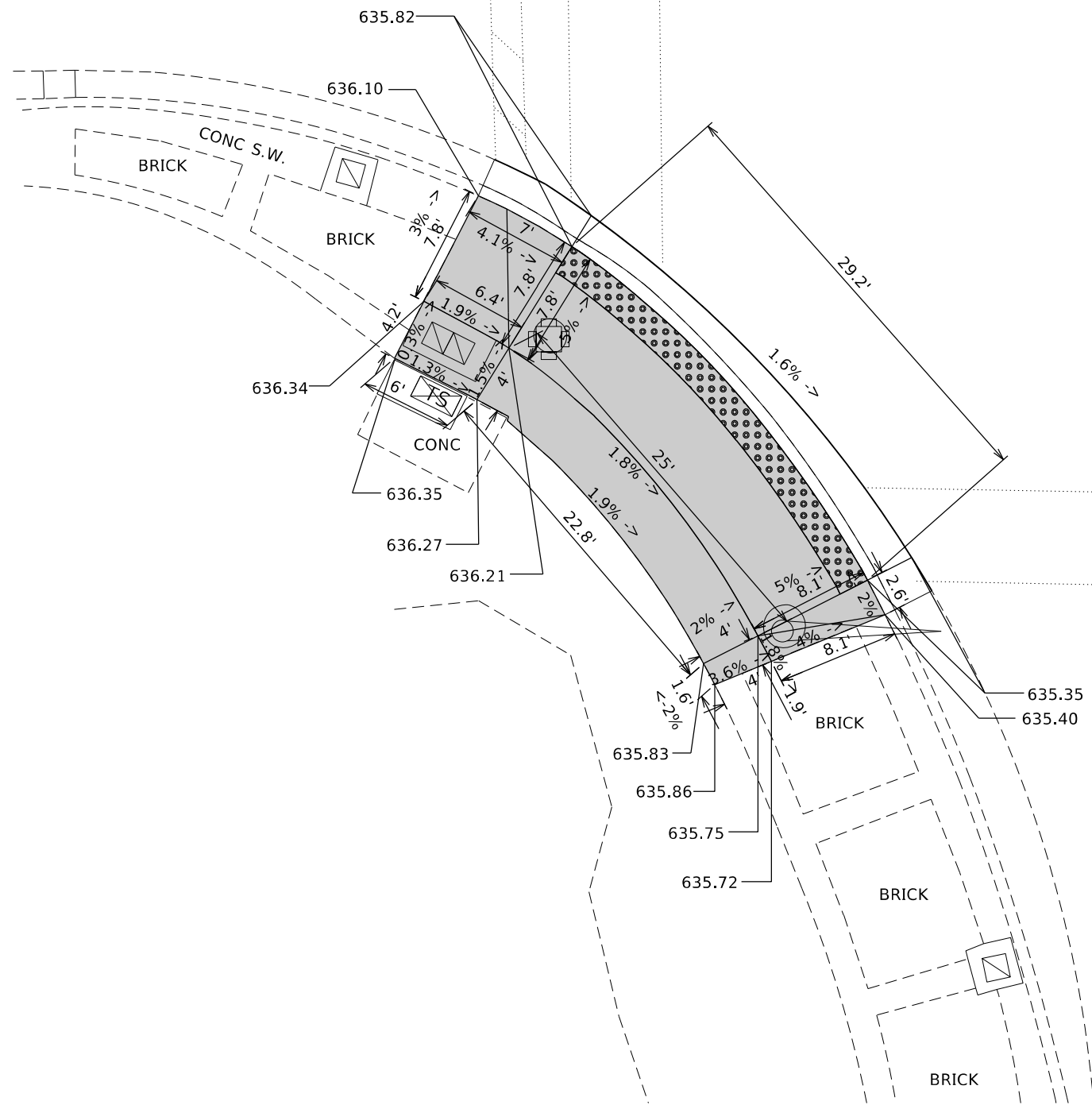
SIDEWALK DETAIL PLAN
 SE GRAND AVE. & SHERIDAN RD.

USER NAME = hassan	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2021	DATE -	REVISED -

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-R5&SW	LAKE	90	77
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				

GRAND AVENUE



SHERIDAN ROAD

REFERENCE BENCHMARK ELEV 636.85
 BENCHMARK: SOUTH WEST TAG BOLT OF FIRE HYDRANT
 LOCATION: SOUTH WEST CORNER OF GRAND AVE. & SHERIDAN RD.

LEGEND

- xx.xx' EXISTING LENGTH
- ===== PROPOSED SIDE CURB
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- ▤ DETECTABLE WARNINGS
- ▨ SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

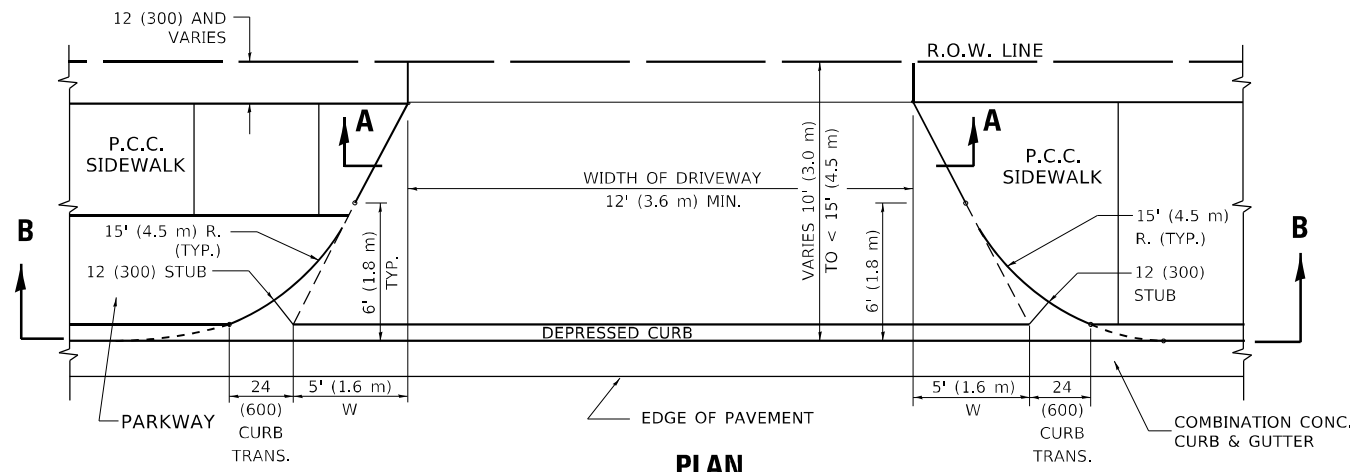
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USER NAME = hassan	DESIGNED -	REVISED -
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PLOT DATE = 10/22/2021	DATE -	REVISED -

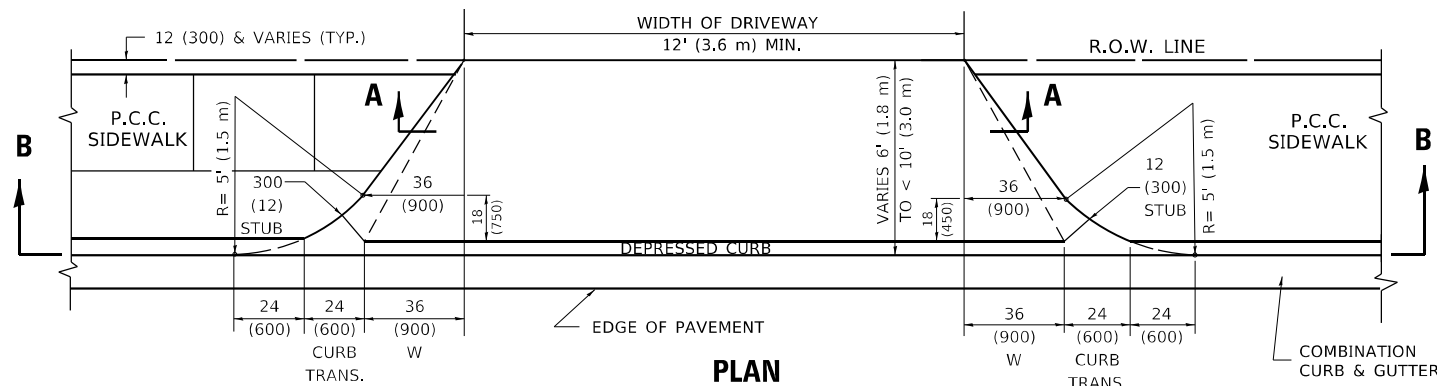
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN			
SW GRAND AVE. & SHERIDAN RD.			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

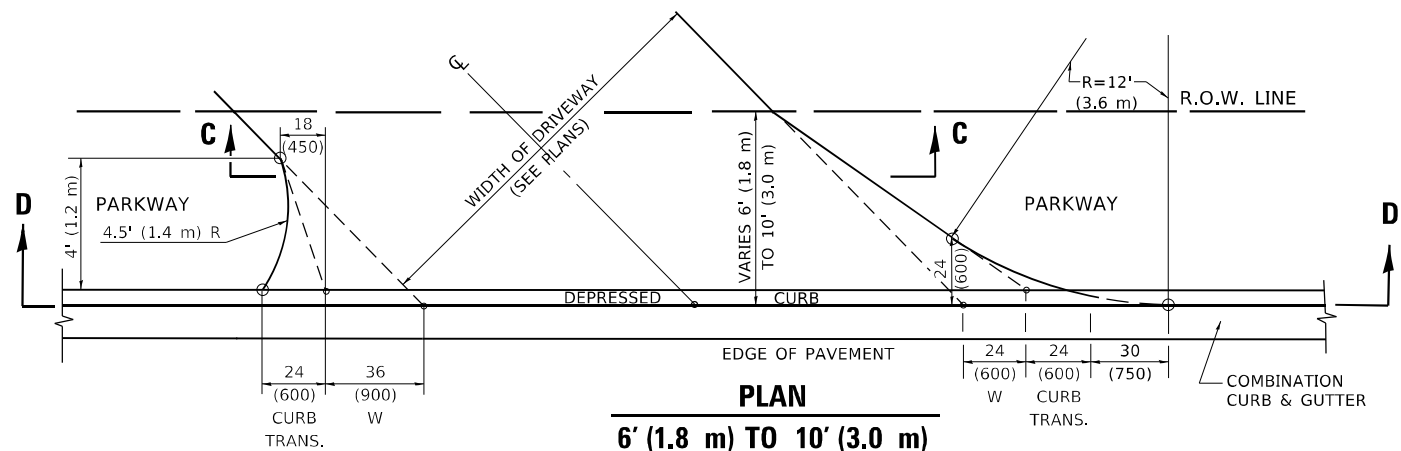
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-R5&SW	LAKE	90	78
CONTRACT NO. 62H06				
ILLINOIS FED. AID PROJECT				



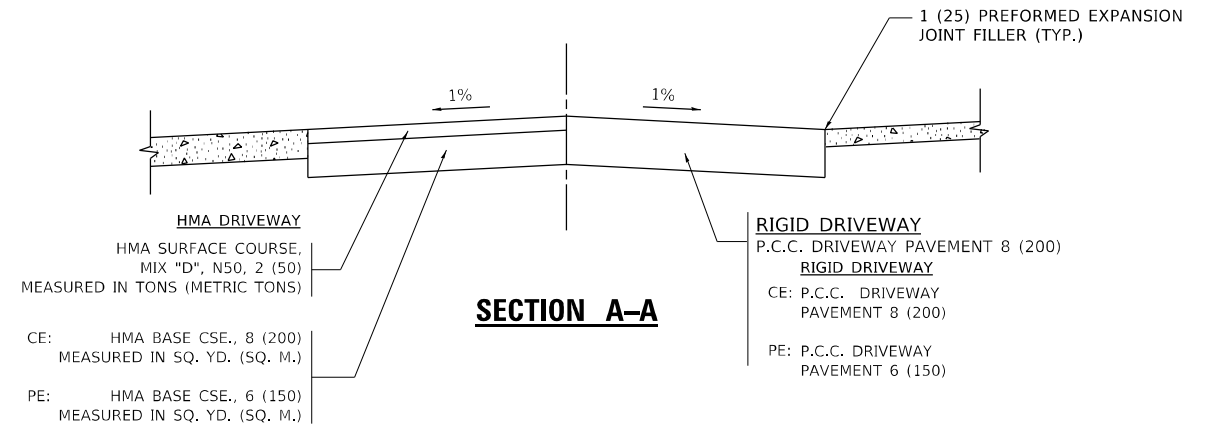
PLAN
10' (3.0 m) TO < 15' (4.5 m)



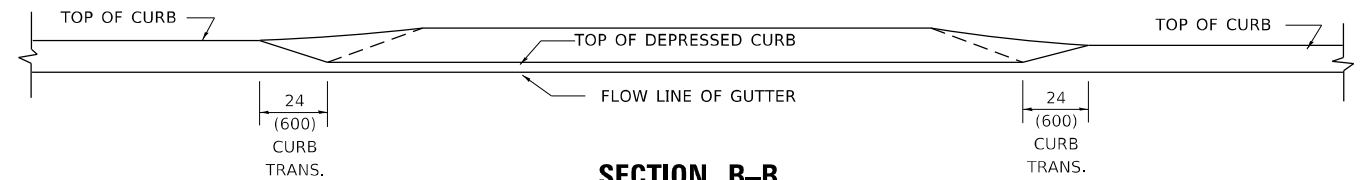
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6' (1.8 m) TO < 10' (3.0 m)



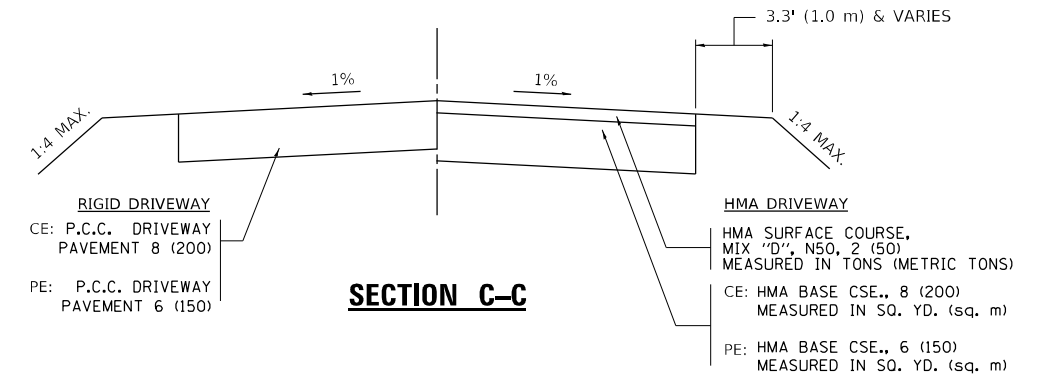
PLAN
6' (1.8 m) TO 10' (3.0 m)



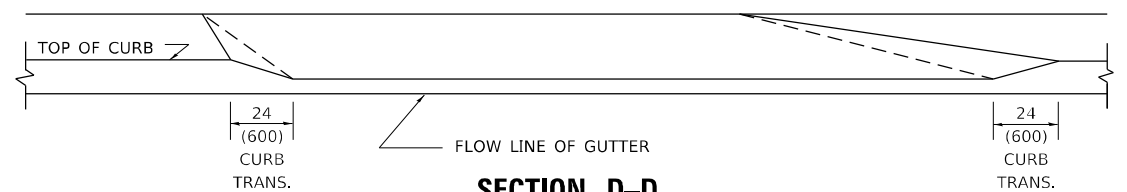
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

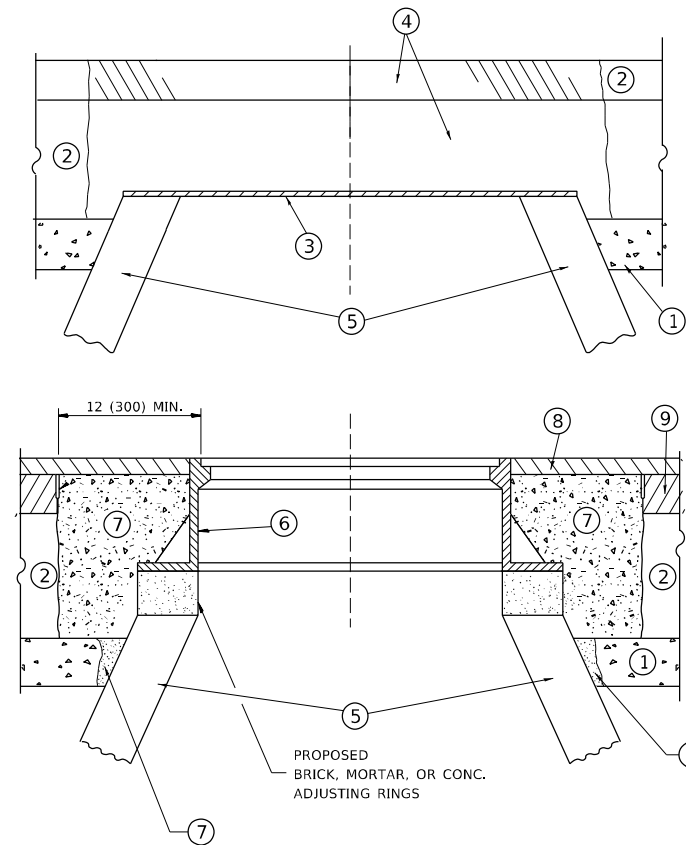
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-RS & SW	LAKE	90	79
BD400-02 (BD-02)			CONTRACT NO. 62H06	
ILLINOIS FED. AID PROJECT				

USER NAME = hassan	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED - P. LofLUER 04-15-03
PLOT DATE = 10/22/2021	CHECKED -	REVISED - R. BORO 01-01-07
	DATE - 11-06-95	REVISED - R. BORO 09-06-11



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 1½ (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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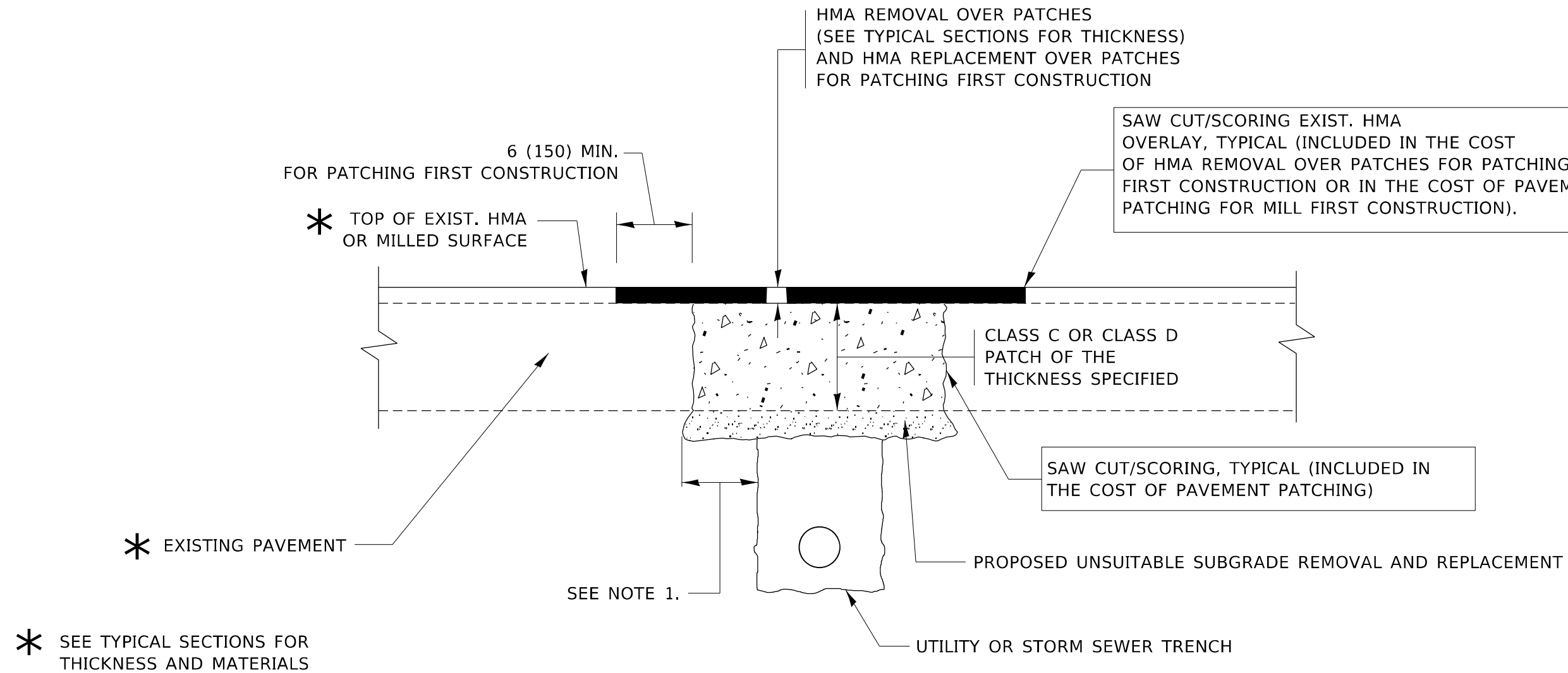
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	DRAWN -	REVISED - R. BORO 01-01-07
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PLOT DATE = 10/22/2021	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-R5 & SW	LAKE	90	80
BD600-03 (BD-8)			CONTRACT NO. 62H06	
ILLINOIS FED. AID PROJECT				



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

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

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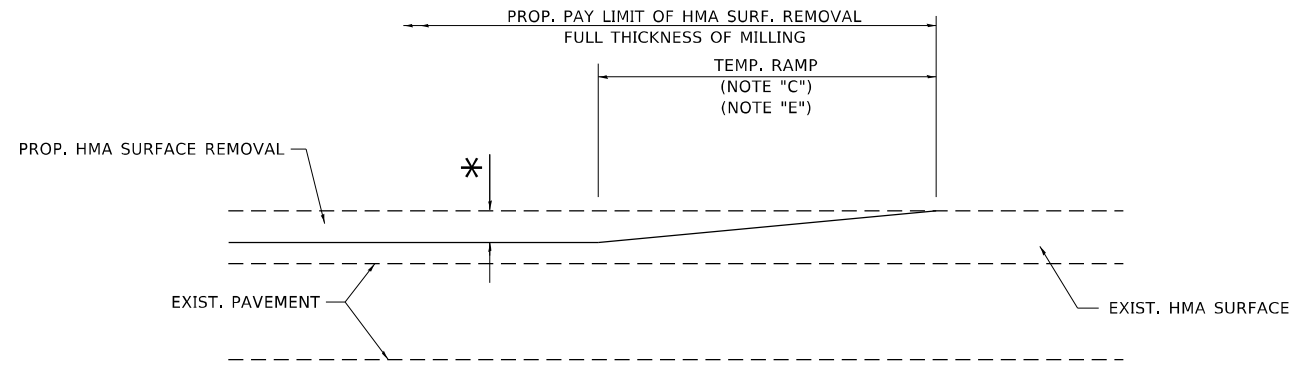
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	DRAWN -	REVISED - R. BORO 01-01-07
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PLOT DATE = 10/22/2021	DATE - 10-25-94	REVISED - K. ENG 10-27-08

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT

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

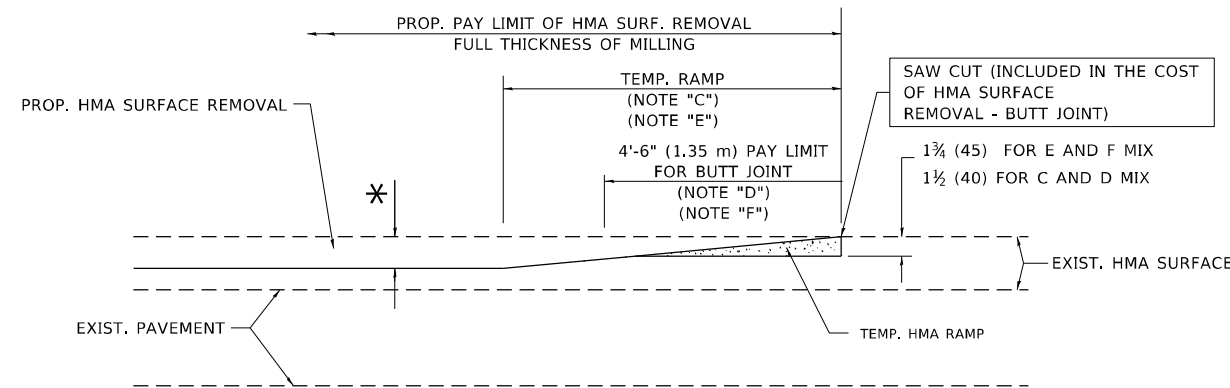
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541	2018-046-RS & SW	LAKE	90	81
BD400-04 (BD-22)			CONTRACT NO. 62H06	
ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

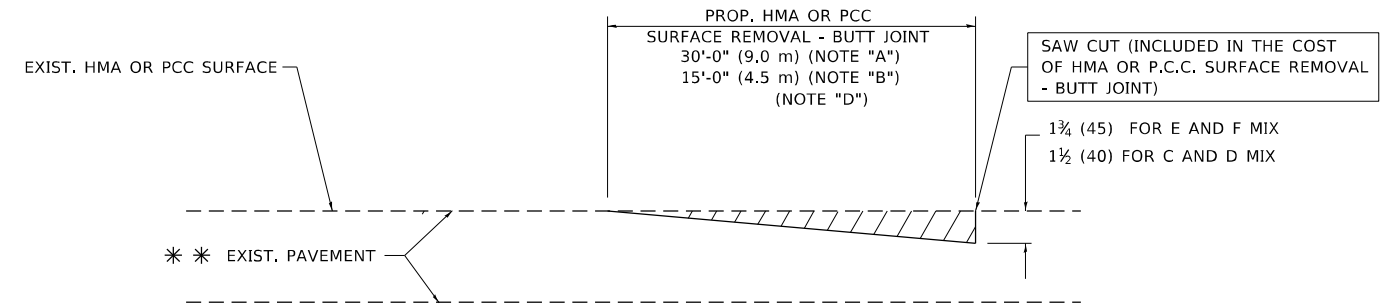


HMA CONSTRUCTED TEMPORARY RAMP

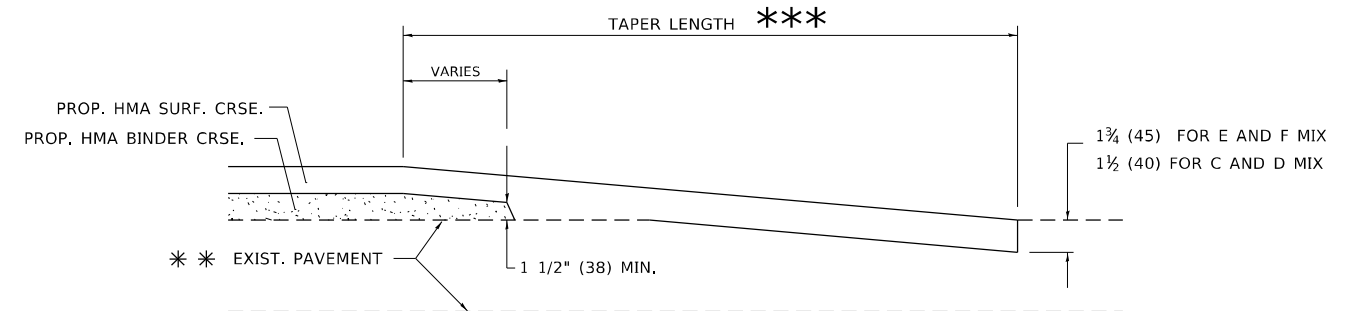
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

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.

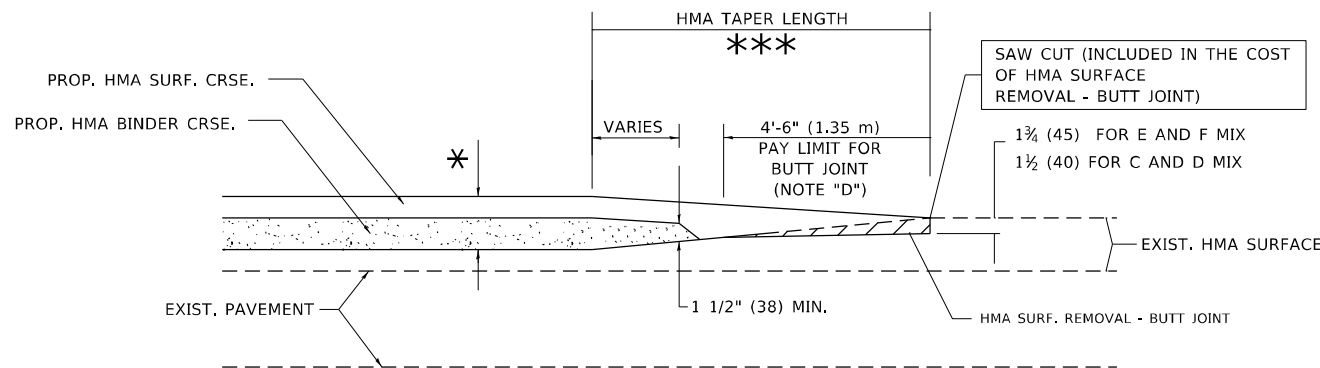
NOTES

- 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.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- G. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

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.



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

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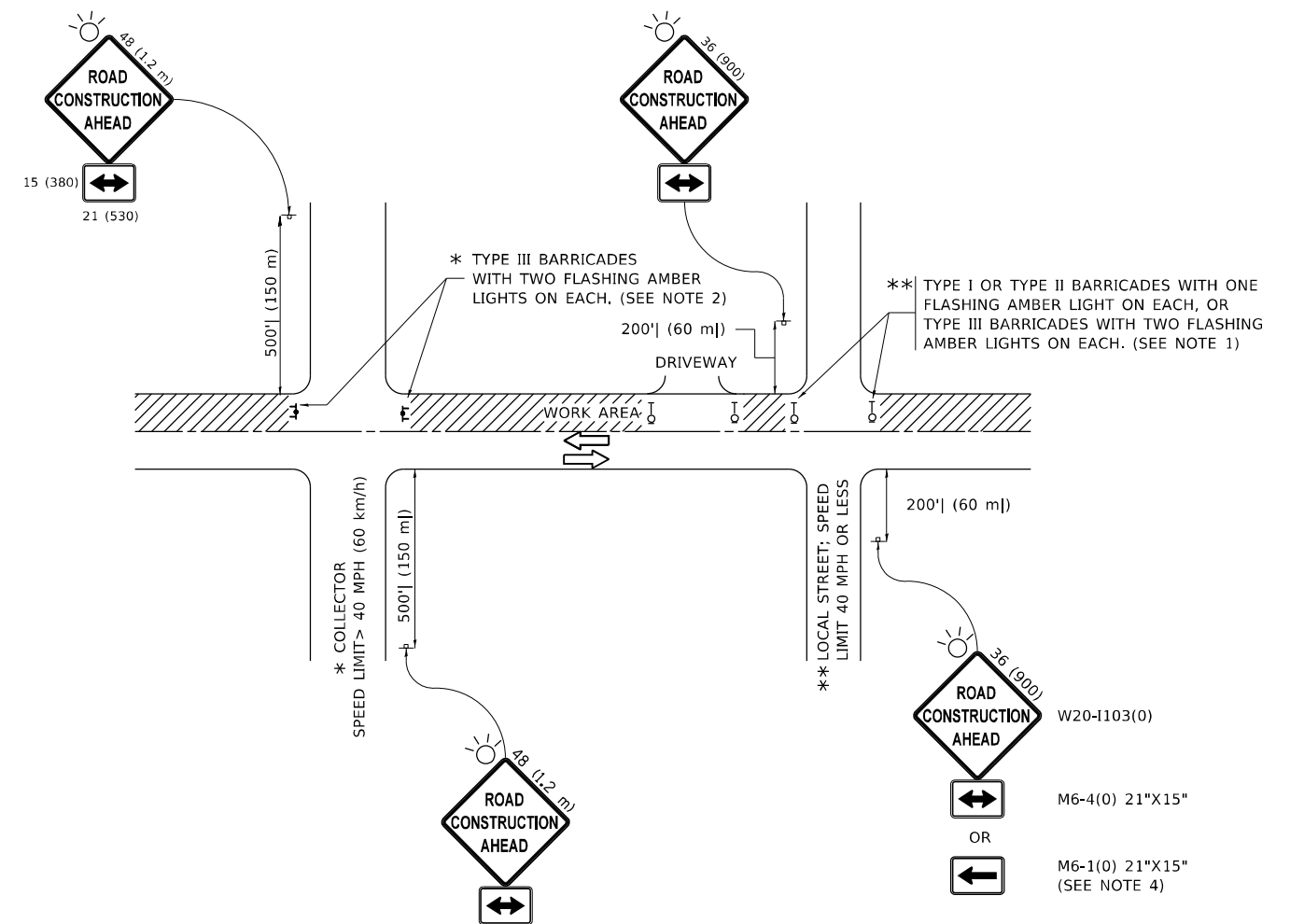
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PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED - A. ABBAS 03-21-97
PLOT DATE = 10/22/2021	CHECKED -	REVISED - M. GOMEZ 04-06-01
	DATE - 06-13-90	REVISED - R.BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-RS & SW	LAKE	90	83
BD400-05 BD32			CONTRACT NO. 62H06	
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) BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

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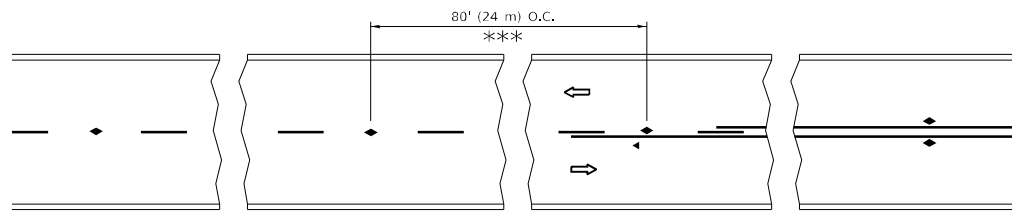
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PLOT DATE = 10/22/2021	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

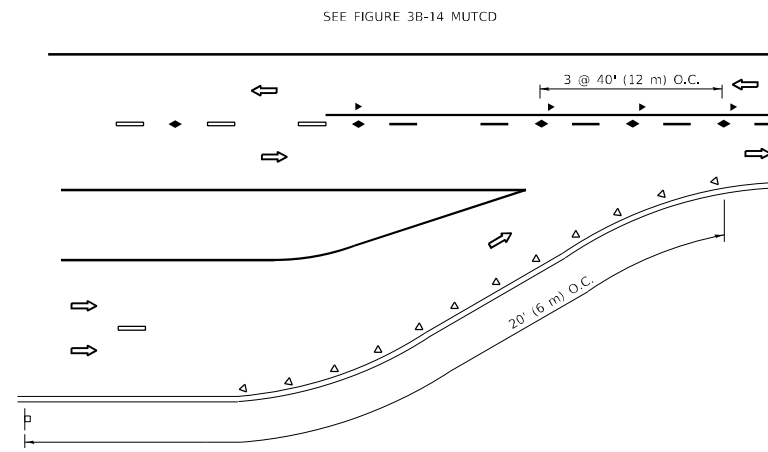
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 62H06	
ILLINOIS FED. AID PROJECT				

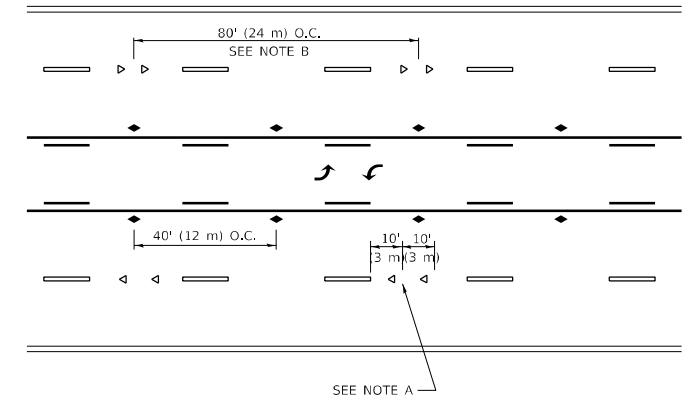


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

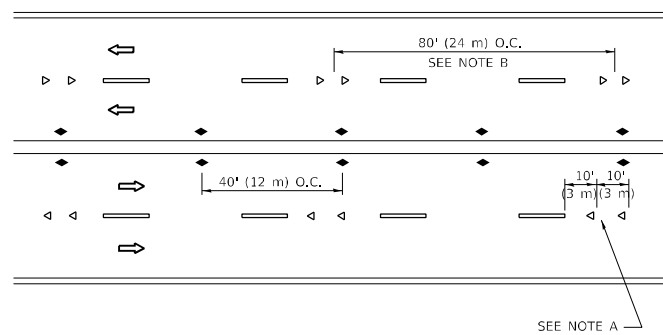
TWO-LANE/TWO-WAY



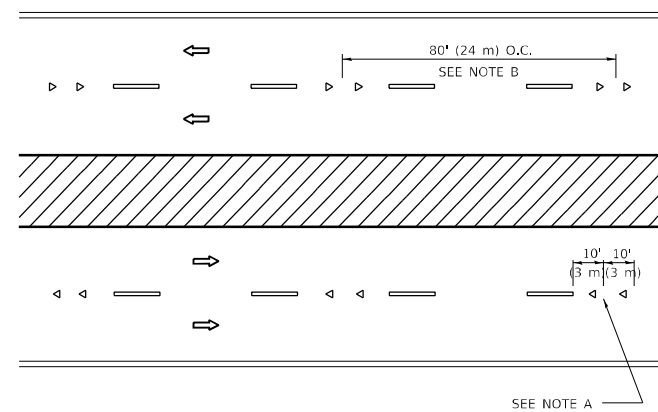
LANE REDUCTION TRANSITION



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

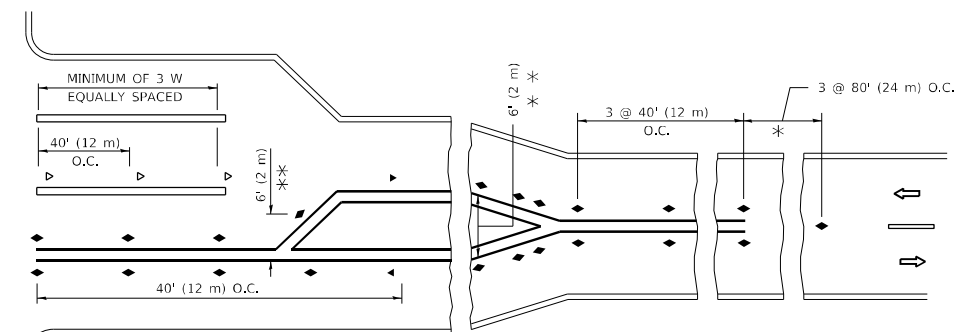
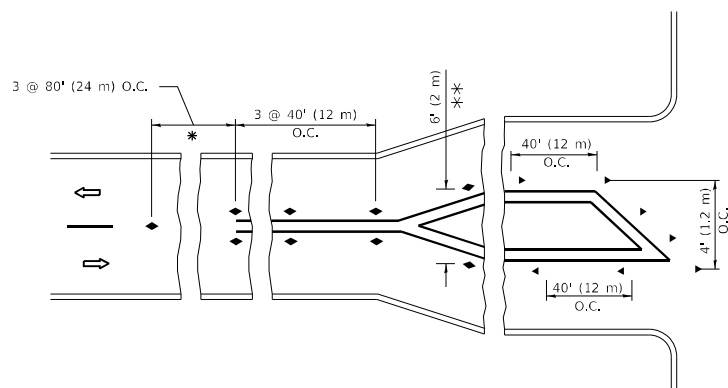
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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

* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

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

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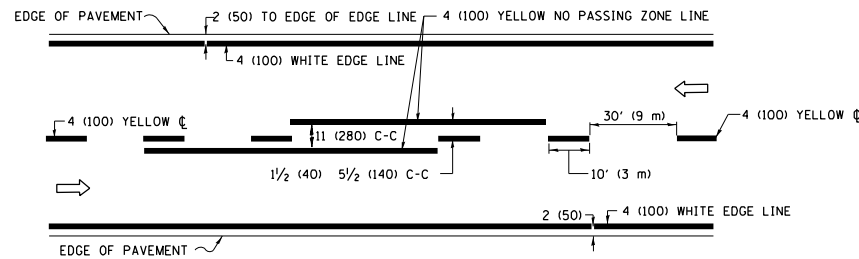
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

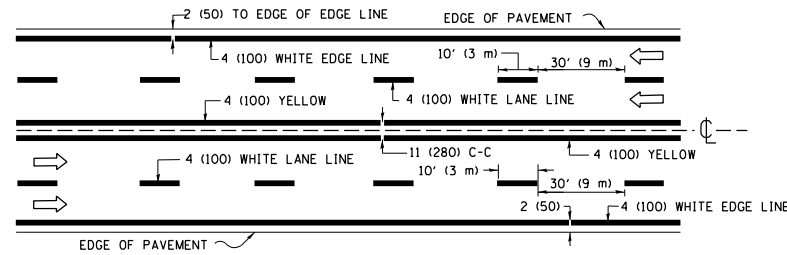
**TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

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

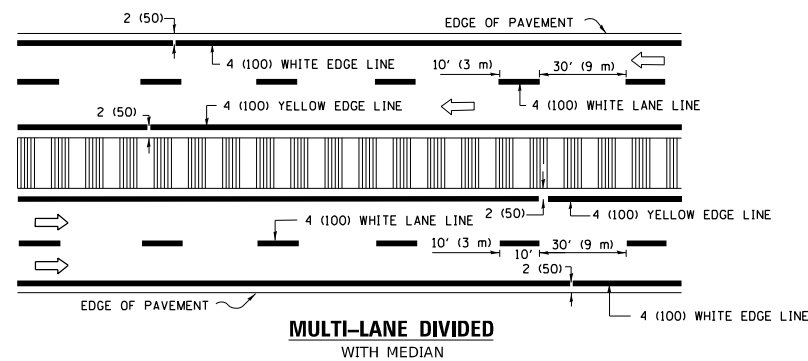
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-RS & SW	LAKE	90	85
TC-11			CONTRACT NO. 62H06	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

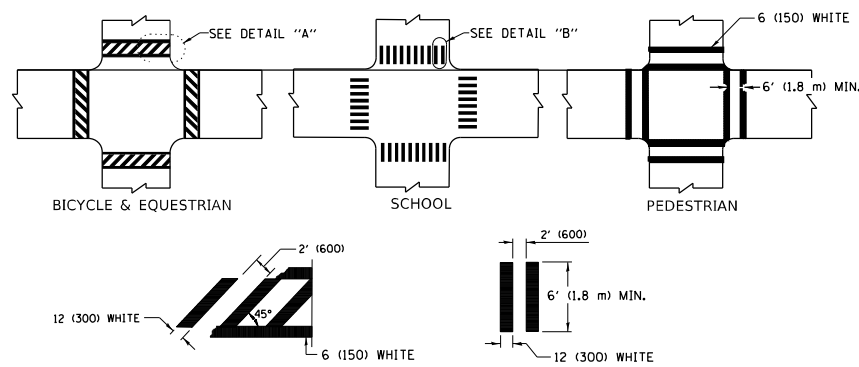


MULTI-LANE UNDIVIDED



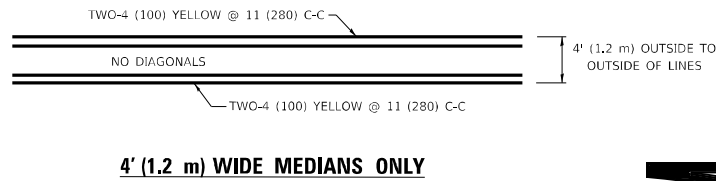
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

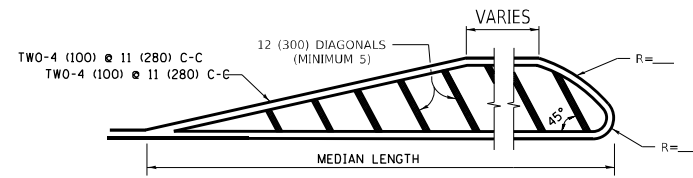


TYPICAL CROSSWALK MARKING

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

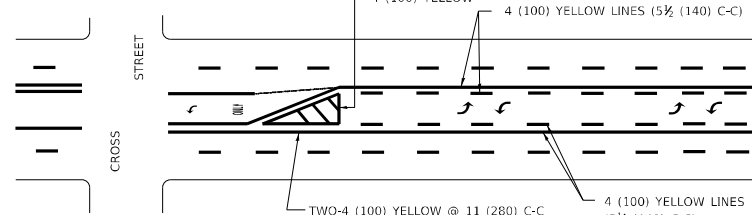


4' (1.2 m) WIDE MEDIANS ONLY

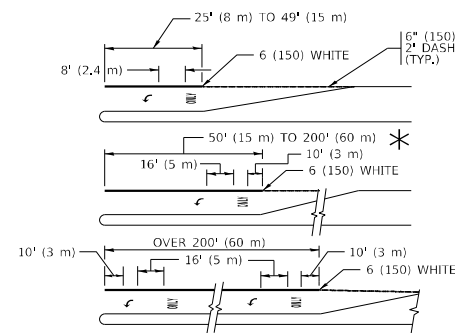


MEDIANS OVER 4' (1.2 m) WIDE

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

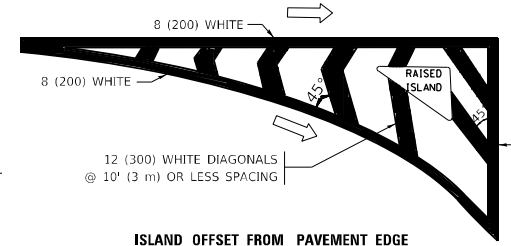


**MEDIAN WITH TWO-WAY LEFT TURN LANE
TYPICAL PAINTED MEDIAN MARKING**

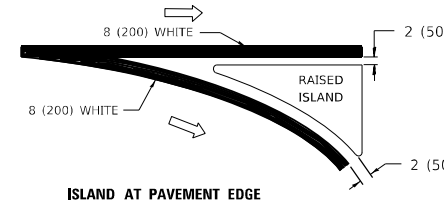


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

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

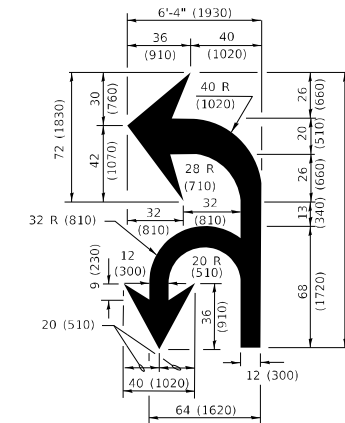


ISLAND OFFSET FROM PAVEMENT EDGE

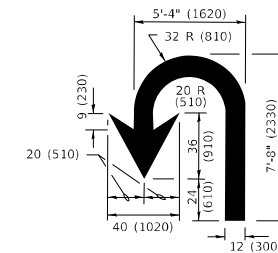


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

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

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

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

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

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

MODEL: Default
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PROJECT: 10/22/2021

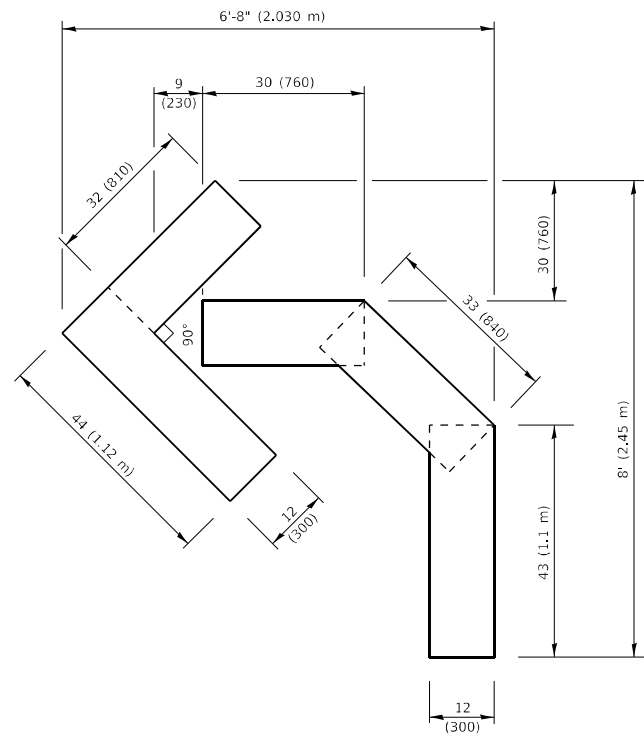
USER NAME = hassan	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
DRAWN -	REVISOR - C. JUCIUS 07-01-13	
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15
PLOT DATE = 10/22/2021	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
TYPICAL PAVEMENT MARKINGS**

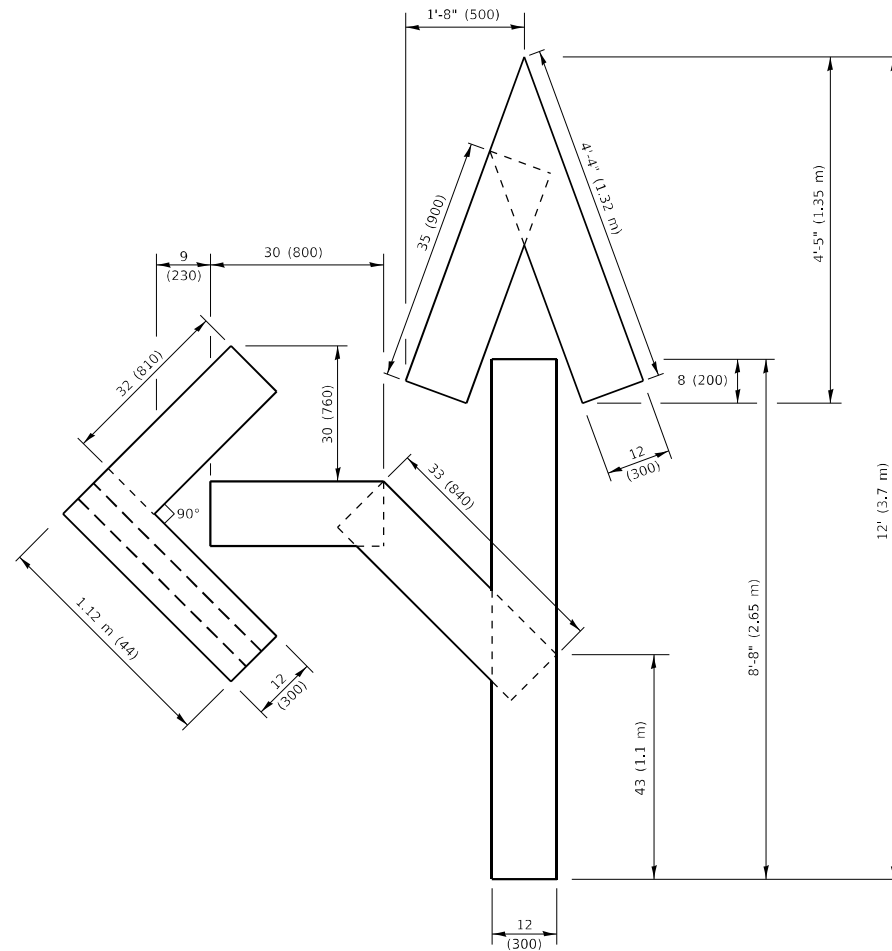
SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-RS & SW	LAKE	90	86
TC-13		CONTRACT NO.	62H06	
ILLINOIS		FED. AID PROJECT		



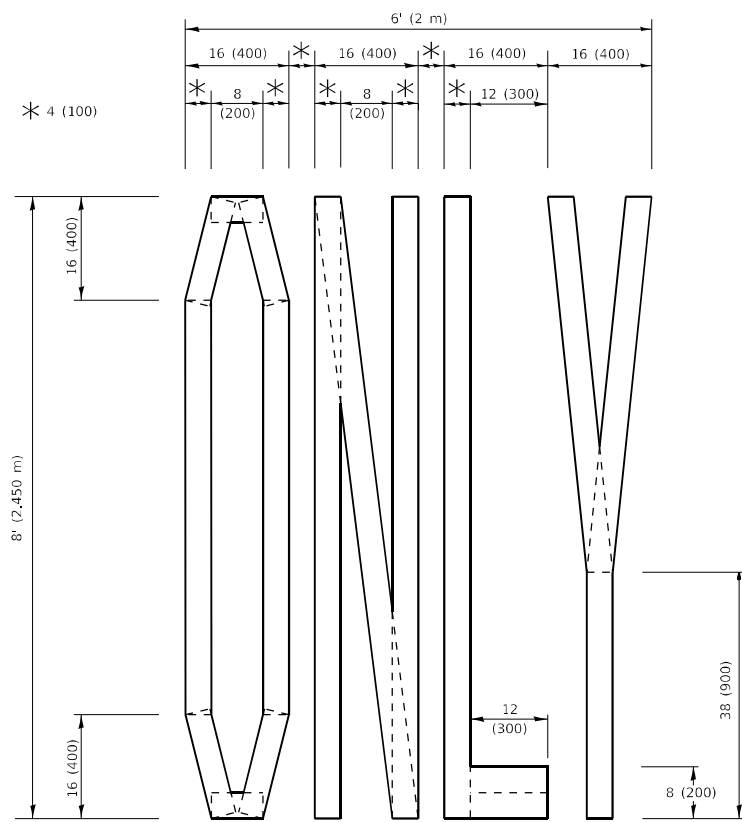
QUANTITY

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



QUANTITY

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

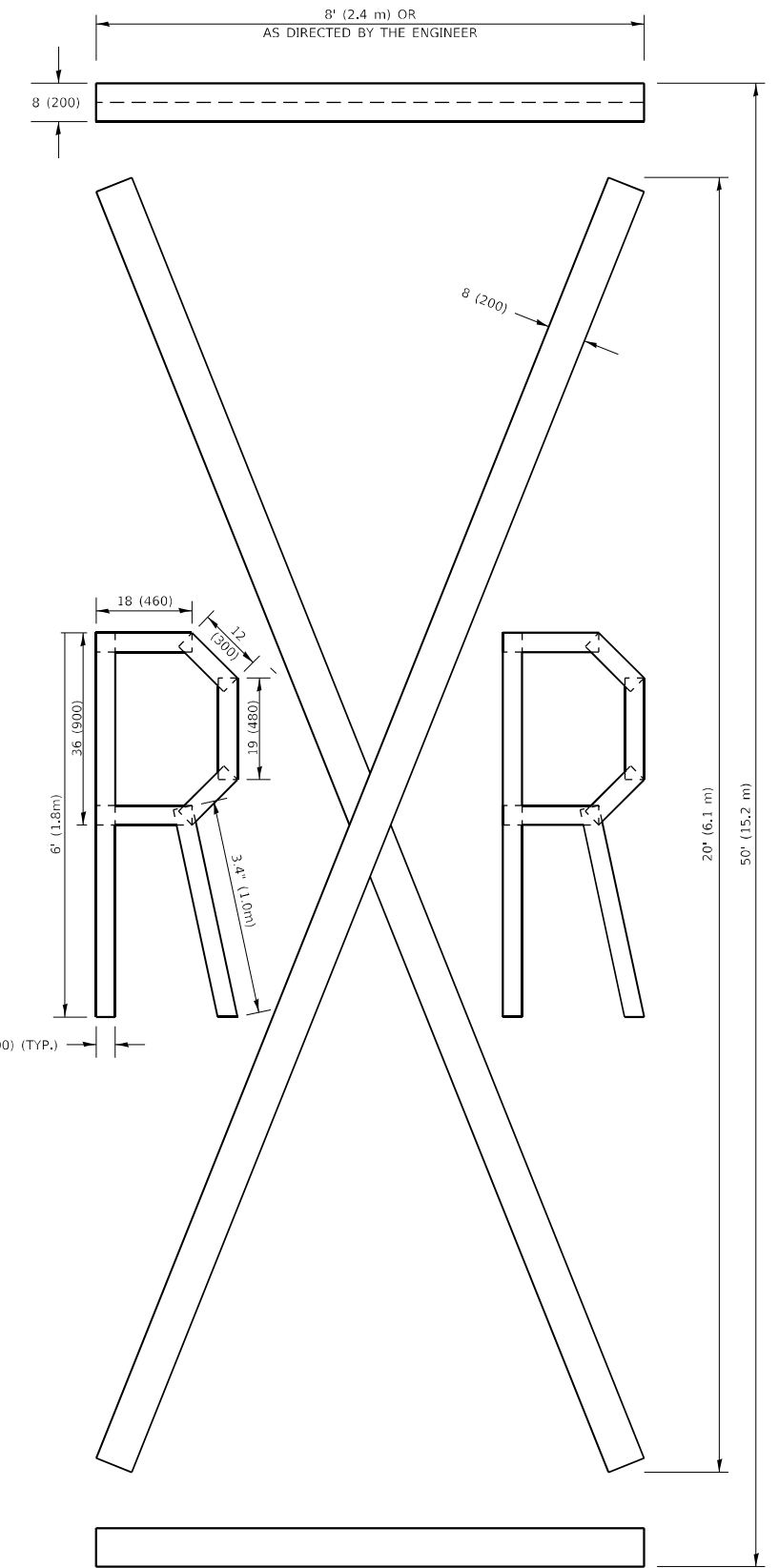


QUANTITY

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

NOTE:

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



QUANTITY

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

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

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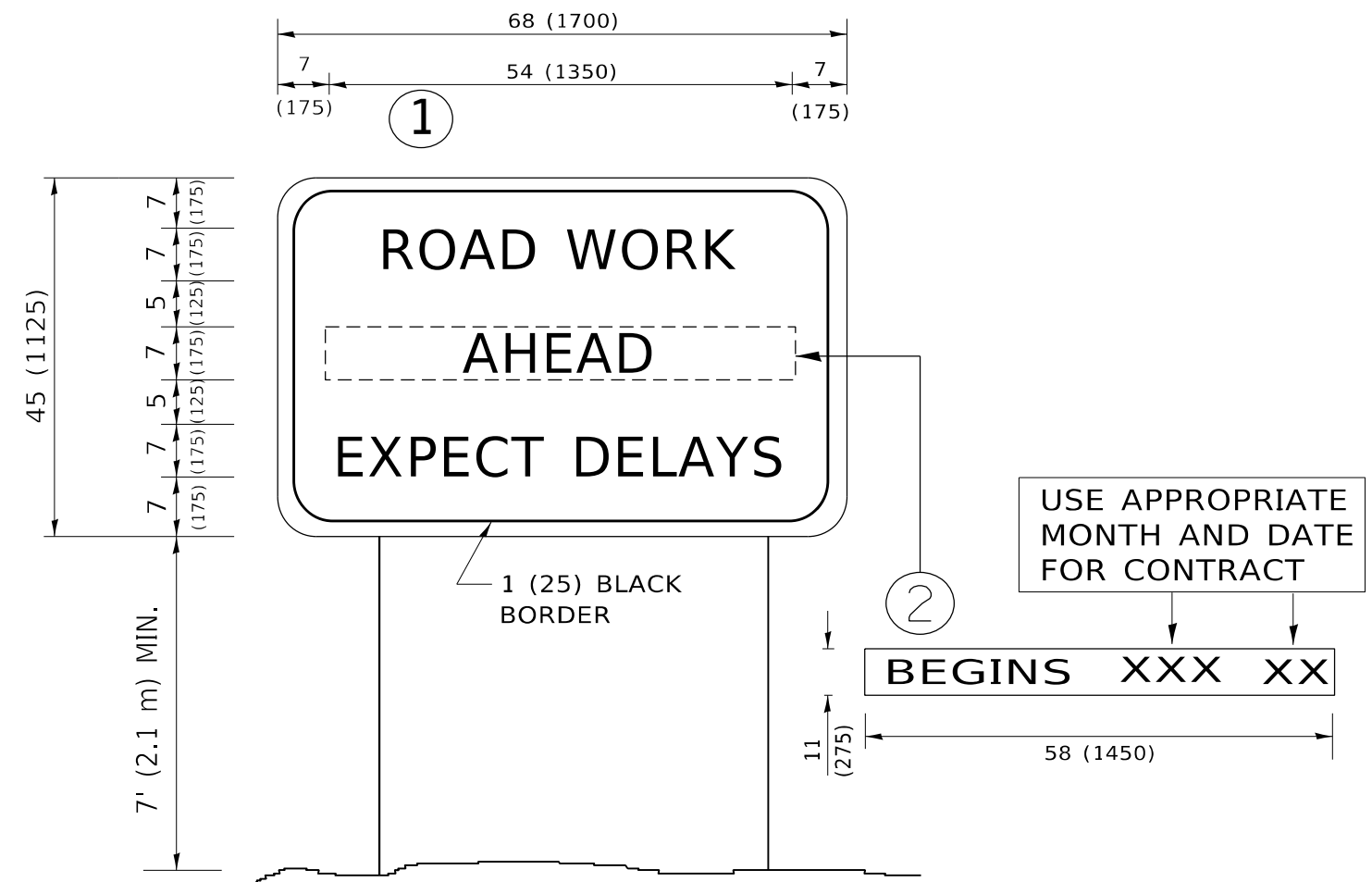
USER NAME = hassan	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 10/22/2021	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-RS & SW	LAKE	90	88
TC-16			CONTRACT NO. 62H06	
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.

MODEL: Default
 FILE NAME: p:\project-aw-beadley.com\PI\DOT\Documents\DOT Office\District 11\Project\1136718\CADD\data\Design\BartSt.dgn

USER NAME = hassan	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 10/22/2021	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

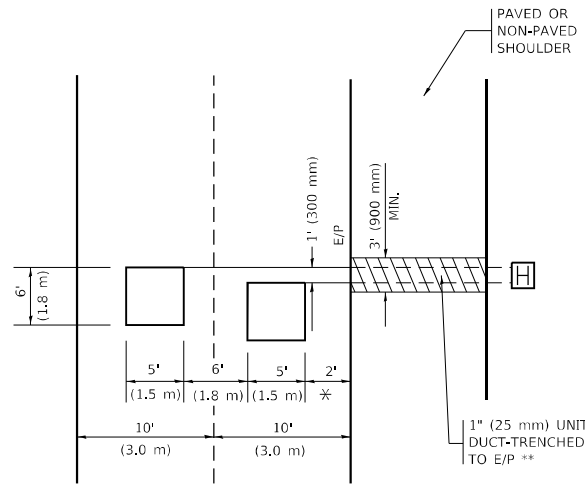
**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-RS & SW	LAKE	90	89
TC-22			CONTRACT NO. 62H06	
ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

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

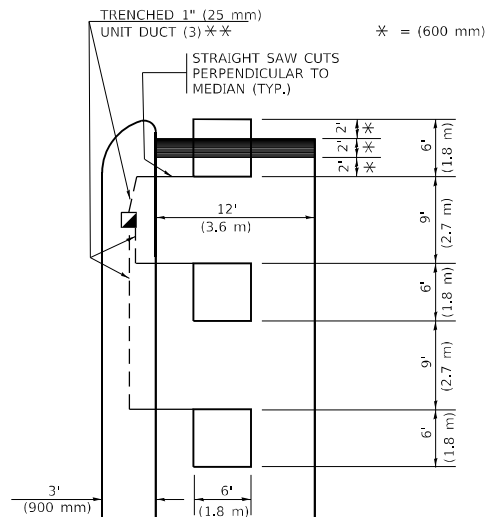


* = (600 mm)

** 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.

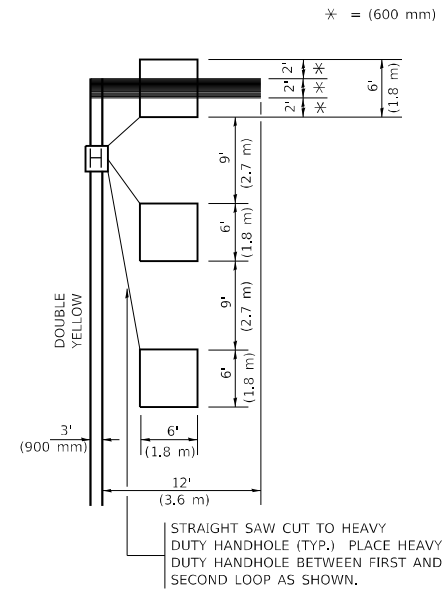


* = (600 mm)

** 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)



* = (600 mm)

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

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 SEPARATLY. 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.

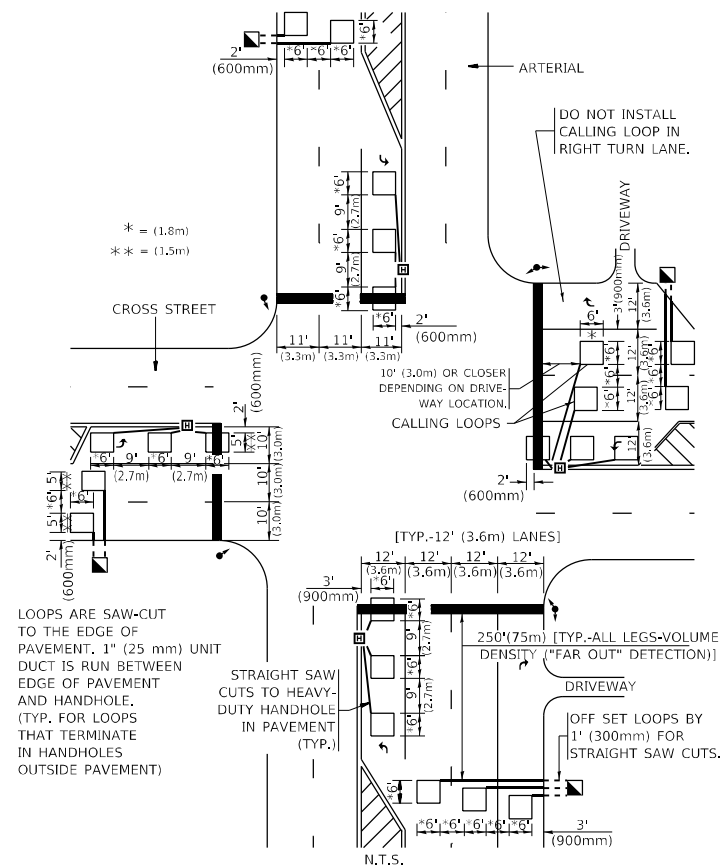
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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

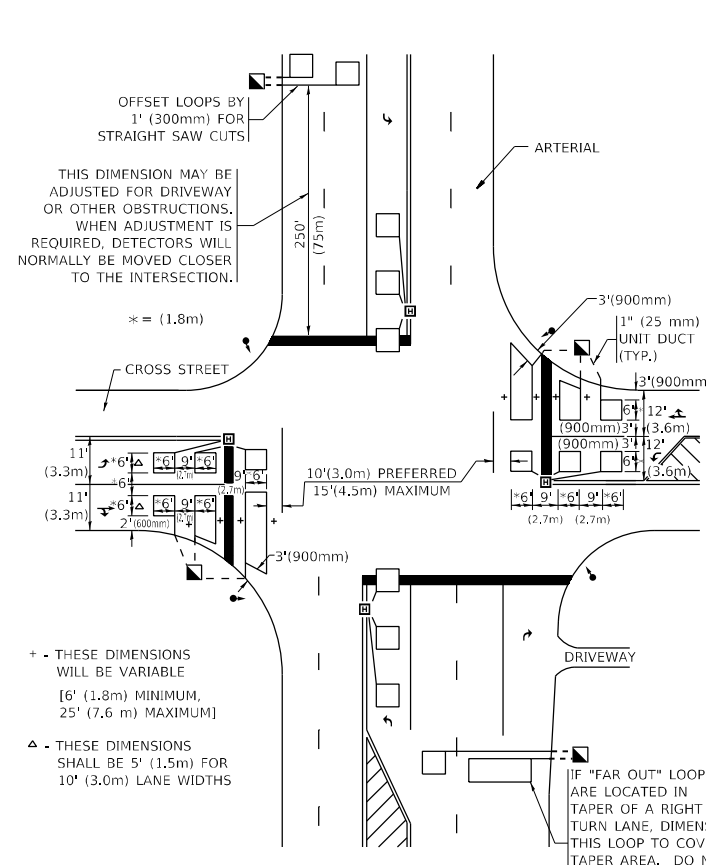
ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("FAR OUT" DETECTION)



* = (1.8m)
 ** = (1.5m)

DETAIL 1
 N.T.S.

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



+ THESE DIMENSIONS WILL BE VARIABLE [6' (1.8m) MINIMUM, 25' (7.6 m) MAXIMUM]
 Δ THESE DIMENSIONS SHALL BE 5' (1.5m) FOR 10' (3.0m) LANE WIDTHS

DETAIL 2
 N.T.S.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 - DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING

USER NAME = hassan	DESIGNED -	REVISED -
PLOT SCALE = 100,000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/22/2021	CHECKED - R.K.F.	REVISED -
	DATE -	REVISED -

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2018-046-RS & SW	LAKE	90	90
TS-07		CONTRACT NO. 62H06		
ILLINOIS		FED. AID PROJECT		