








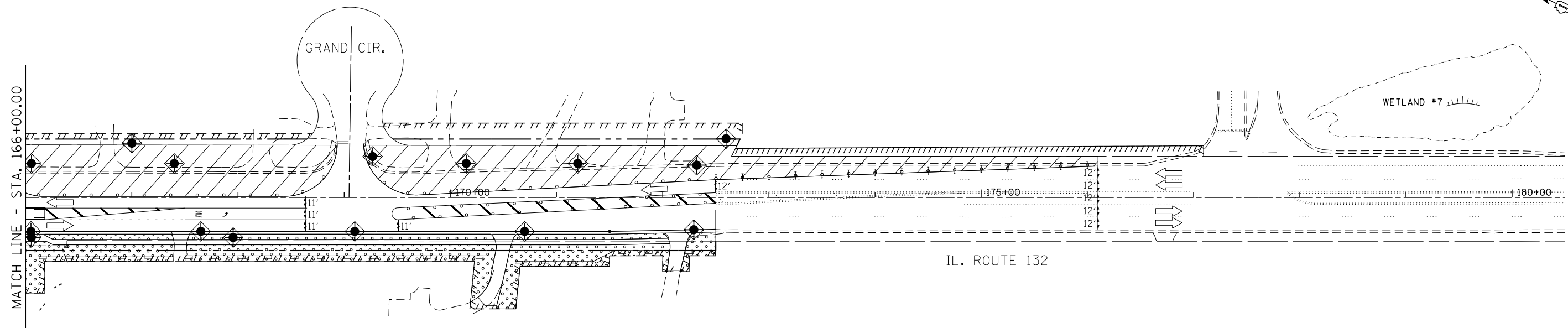


STORMWATER POLLUTION PREVENTION LEGEND

-  PERIMETER EROSION BARRIER (P.E.B.)
-  TEMPORARY EROSION CONTROL SEEDING
-  CONSTRUCTION AREA
-  INLET AND PIPE PROTECTION
-  INLET FILTERS (EXISTING DRAINAGE STRUCTURES)
-  INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)
-  TEMPORARY SEDIMENT TRAP
-  TEMPORARY DITCH CHECK
-  DRAINAGE STRUCTURES



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







STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

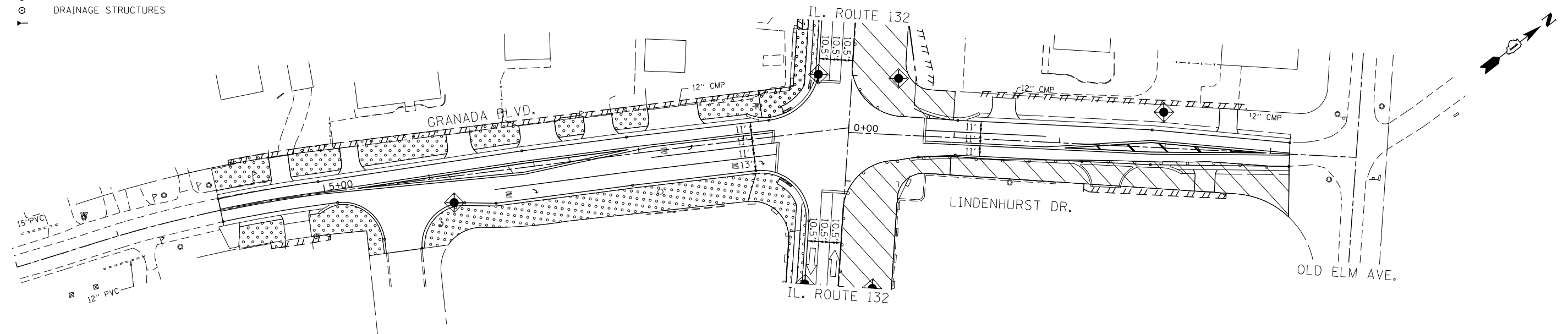
EROSION AND SEDIMENT CONTROL PLAN
STAGE - III

SCALE: 1"=50' SHEET OF SHEETS STA. 166+00.00 TO STA. 180+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	102
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60V55	

STORMWATER POLLUTION PREVENTION LEGEND

-  PERIMETER EROSION BARRIER (P.E.B.)
-  TEMPORARY EROSION CONTROL SEEDING
-  CONSTRUCTION AREA
-  INLET AND PIPE PROTECTION
-  INLET FILTERS (EXISTING DRAINAGE STRUCTURES)
-  INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)
-  TEMPORARY SEDIMENT TRAP
-  TEMPORARY DITCH CHECK
-  DRAINAGE STRUCTURES



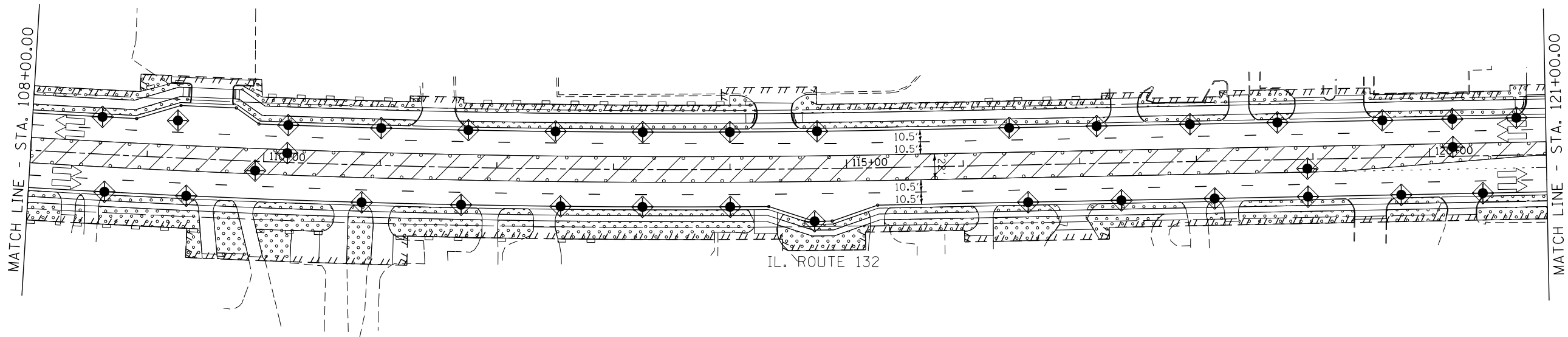
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**










**EROSION AND SEDIMENT CONTROL PLAN
STAGE - III**

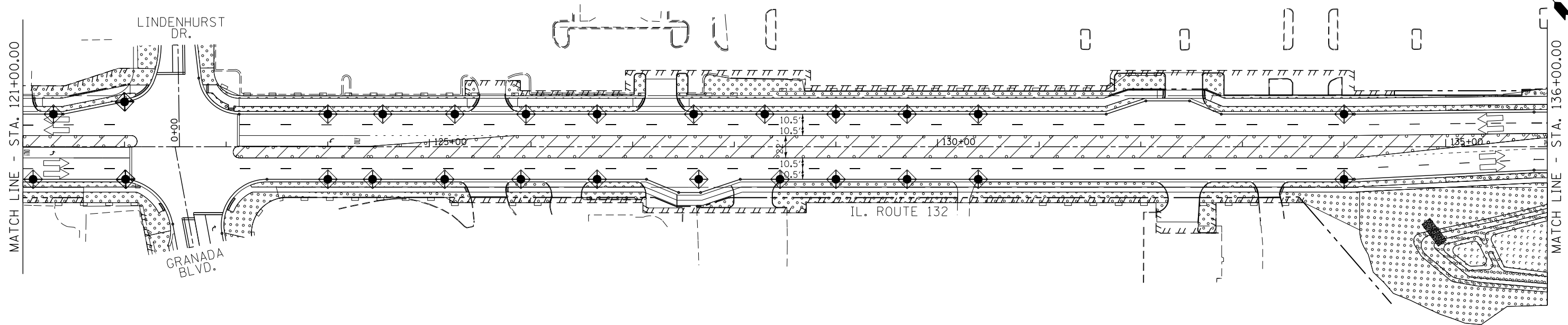
SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	103
CONTRACT NO. 60V55				
ILLINOIS FED. AID PROJECT				



STORMWATER POLLUTION PREVENTION LEGEND

-  PERIMETER EROSION BARRIER (P.E.B)
-  TEMPORARY EROSION CONTROL SEEDING
-  CONSTRUCTION AREA
-  INLET AND PIPE PROTECTION
-  INLET FILTERS (EXISTING DRAINAGE STRUCTURES)
-  INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)
-  TEMPORARY SEDIMENT TRAP
-  TEMPORARY DITCH CHECK
-  DRAINAGE STRUCTURES



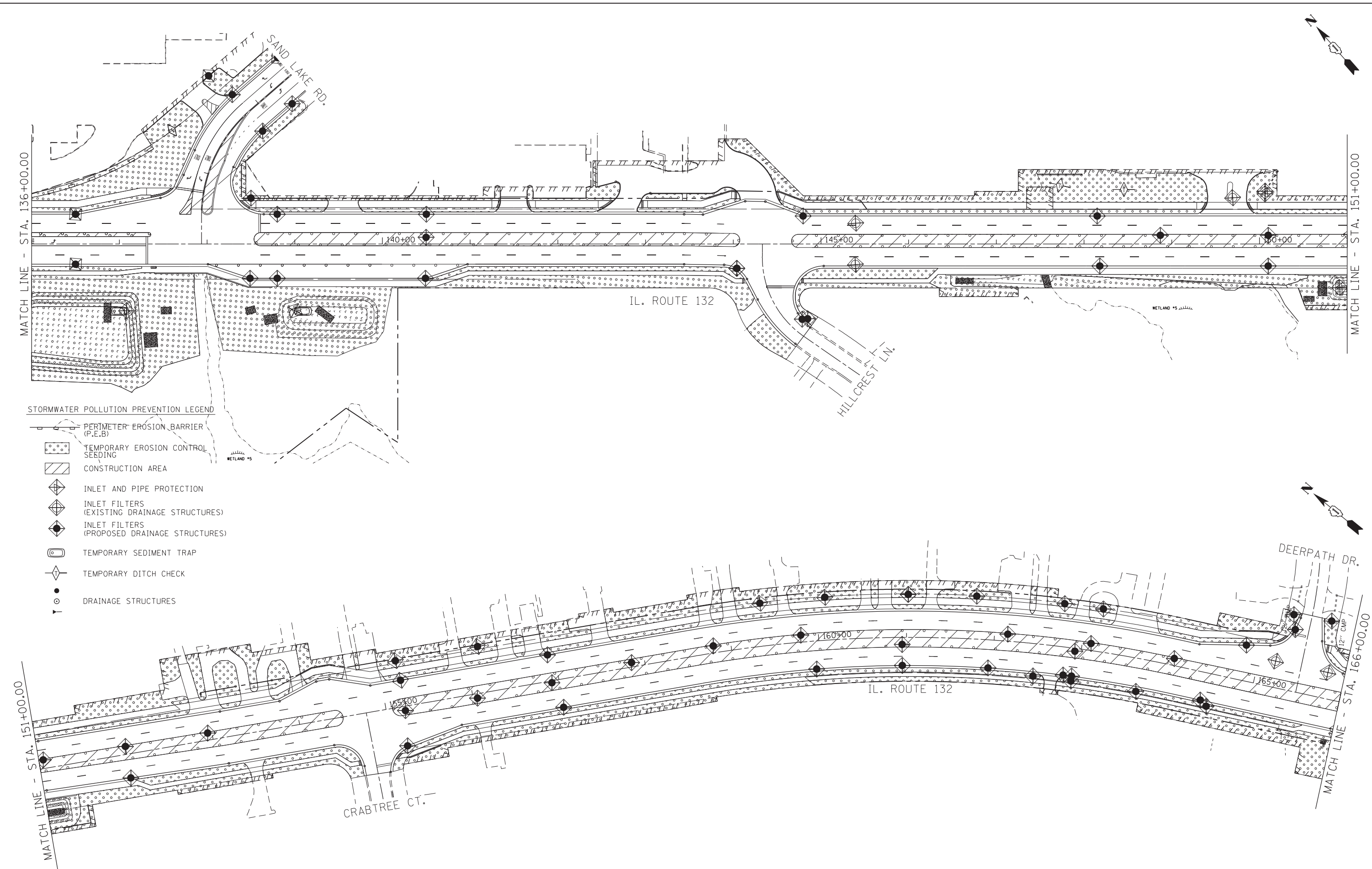
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		PLOT DATE = \$DATE\$	DATE -	4/28/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**










**EROSION AND SEDIMENT CONTROL PLAN
STAGE - IV**

SCALE: 1"=50' SHEET OF SHEETS STA. 108+00.00 TO STA. 136+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	106
			CONTRACT NO. 60V55	
ILLINOIS FED. AID PROJECT				



STORMWATER POLLUTION PREVENTION LEGEND

-  PERIMETER EROSION BARRIER (P.E.B.)
-  TEMPORARY EROSION CONTROL SEEDING
-  CONSTRUCTION AREA
-  INLET AND PIPE PROTECTION
-  INLET FILTERS (EXISTING DRAINAGE STRUCTURES)
-  INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)
-  TEMPORARY SEDIMENT TRAP
-  TEMPORARY DITCH CHECK
-  DRAINAGE STRUCTURES

FILE NAME =	USER NAME = #USER#	DESIGNED -	BLG	REVISED -	
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







**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

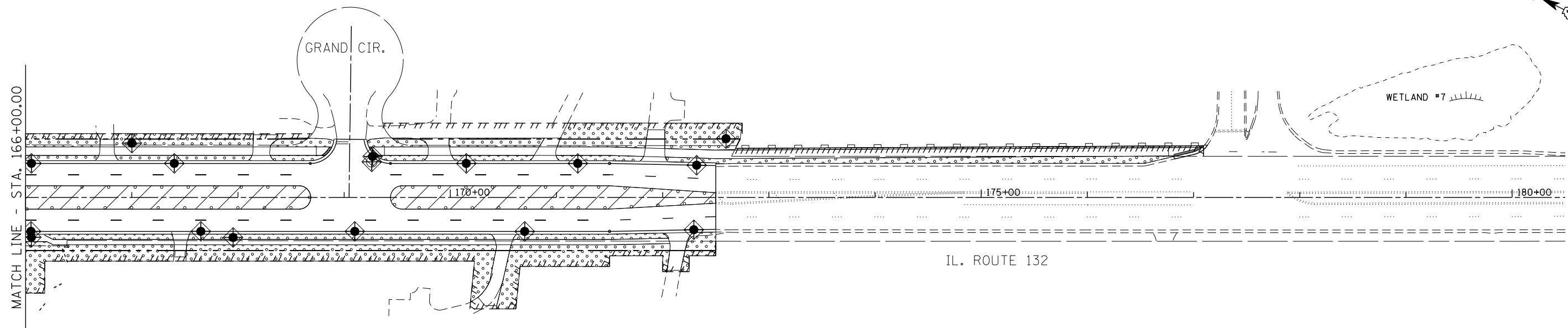
**EROSION AND SEDIMENT CONTROL PLAN
STAGE - IV**

SCALE: 1"=50' SHEET OF SHEETS STA. 136+00.00 TO STA. 166+00.00

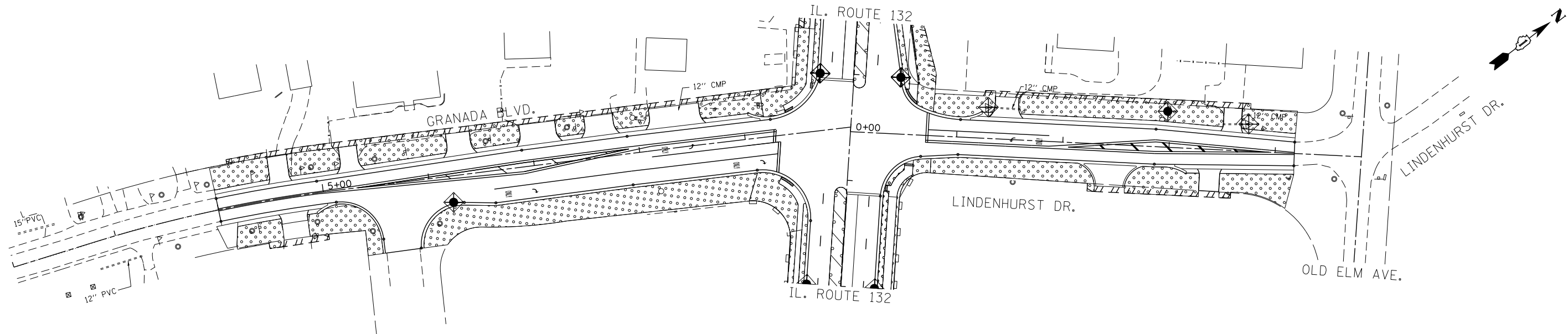
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	107
CONTRACT NO. 60V55			ILLINOIS FED. AID PROJECT	

STORMWATER POLLUTION PREVENTION LEGEND

-  PERIMETER EROSION BARRIER (P.E.B)
-  TEMPORARY EROSION CONTROL SEEDING
-  CONSTRUCTION AREA
-  INLET AND PIPE PROTECTION
-  INLET FILTERS (EXISTING DRAINAGE STRUCTURES)
-  INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)
-  TEMPORARY SEDIMENT TRAP
-  TEMPORARY DITCH CHECK
-  DRAINAGE STRUCTURES

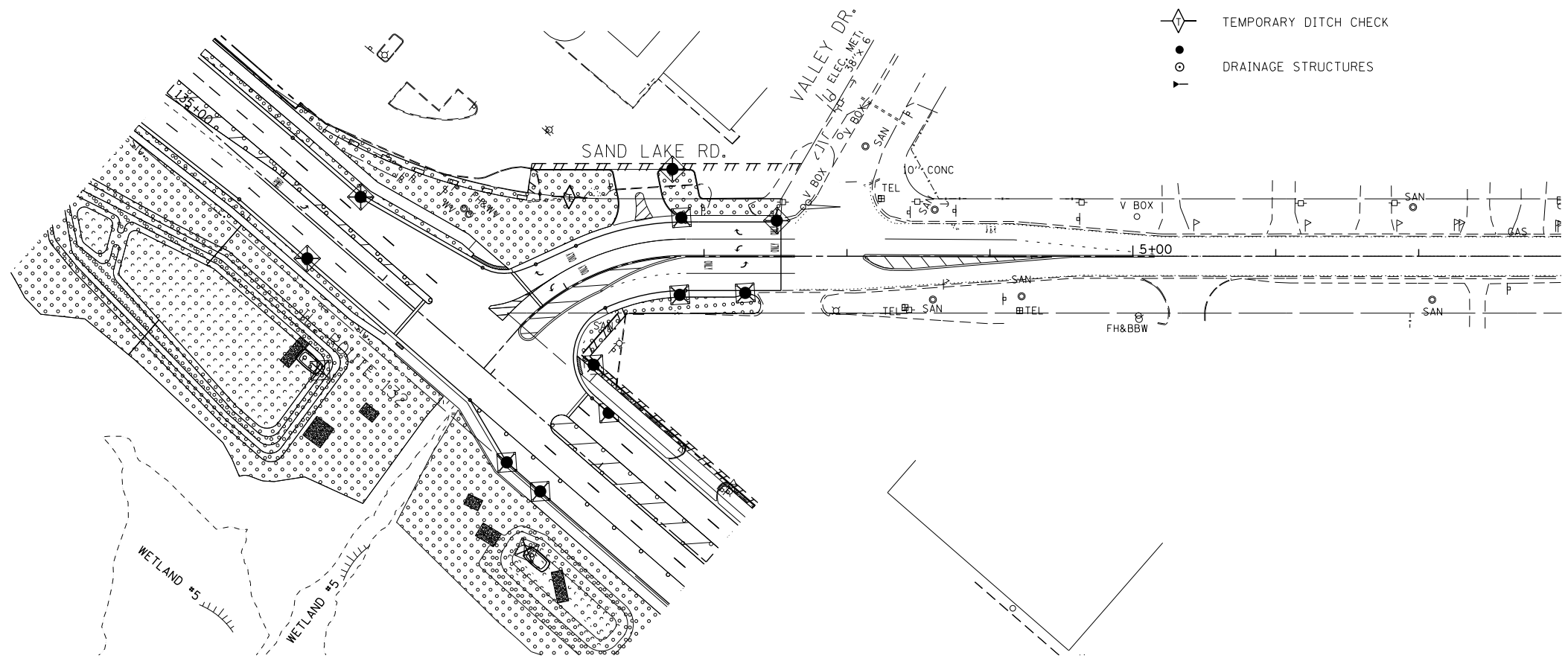


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	PLOT SCALE = \$SCALE\$	CHECKED - BDH	REVISED -					541	A-WRS-2	LAKE	345	108
\$MODELNAME\$	PLOT DATE = \$DATE\$	DATE - 4/28/2017	REVISED -	SCALE: 1"=50' SHEET OF SHEETS STA. 166+00.00 TO STA. 180+50.00			ILLINOIS FED. AID PROJECT CONTRACT NO. 60V55					



STORMWATER POLLUTION PREVENTION LEGEND

- PERIMETER EROSION BARRIER (P.E.B.)
- TEMPORARY EROSION CONTROL SEEDING
- CONSTRUCTION AREA
- INLET AND PIPE PROTECTION
- INLET FILTERS (EXISTING DRAINAGE STRUCTURES)
- INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)
- TEMPORARY SEDIMENT TRAP
- TEMPORARY DITCH CHECK
- DRAINAGE STRUCTURES



FILE NAME =	USER NAME = \$USER\$	DESIGNED -	BLG	REVISED -	
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\$MODELNAME\$	PLOT DATE = \$DATE\$	DATE -	4/28/2017	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL PLAN
STAGE - IV

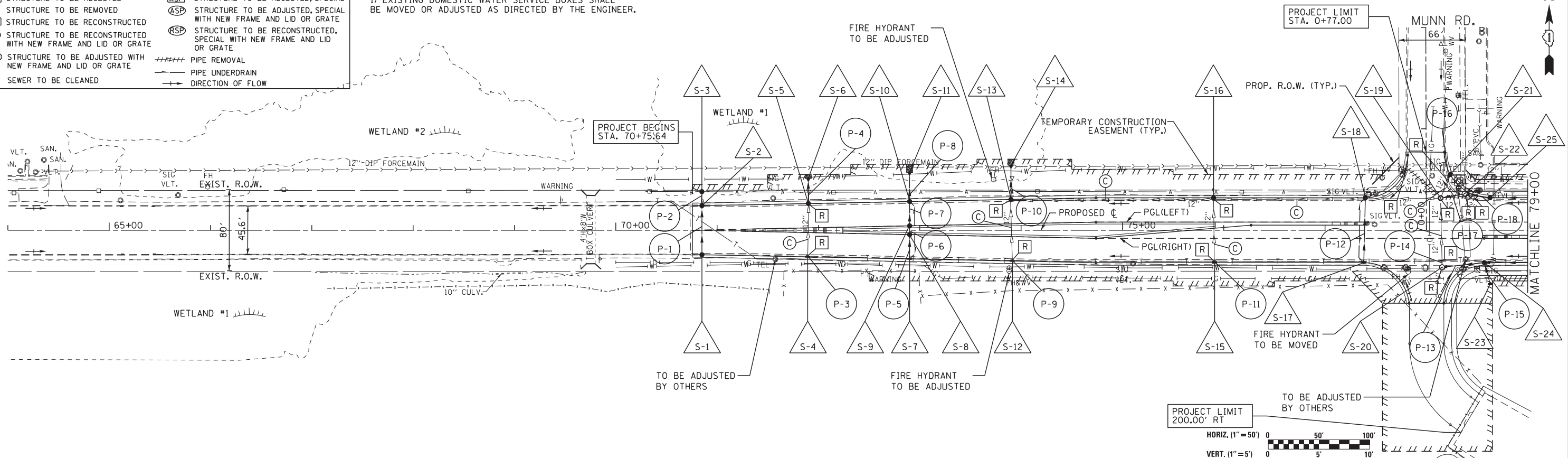
SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	109
CONTRACT NO. 60V55				
ILLINOIS FED. AID PROJECT				

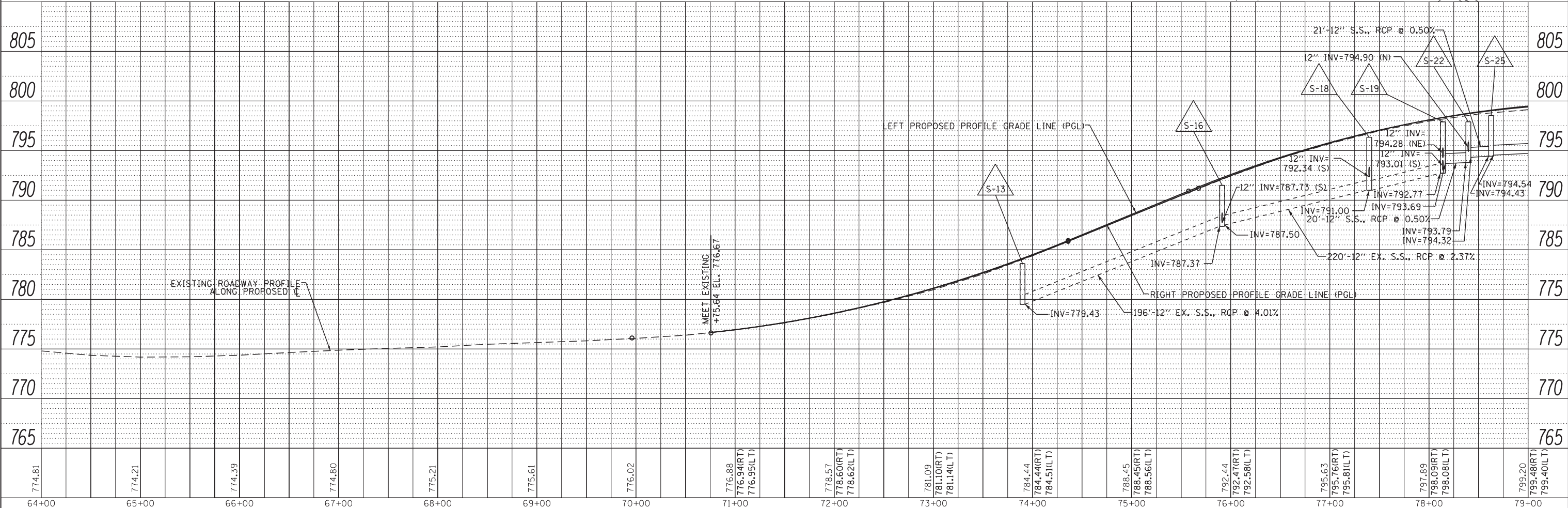
LEGEND	
(ADJ)	STRUCTURE TO BE ADJUSTED
(R)	STRUCTURE TO BE REMOVED
(REC)	STRUCTURE TO BE RECONSTRUCTED
(REC)	STRUCTURE TO BE RECONSTRUCTED WITH NEW FRAME AND LID OR GRATE
(ADJ)	STRUCTURE TO BE ADJUSTED WITH NEW FRAME AND LID OR GRATE
(C)	SEWER TO BE CLEANED
(ASP)	STRUCTURE TO BE ADJUSTED, SPECIAL
(ASP)	STRUCTURE TO BE ADJUSTED, SPECIAL WITH NEW FRAME AND LID OR GRATE
(RSP)	STRUCTURE TO BE RECONSTRUCTED, SPECIAL WITH NEW FRAME AND LID OR GRATE
----	PIPE REMOVAL
---	PIPE UNDERDRAIN
→	DIRECTION OF FLOW

NOTE:
1) EXISTING DOMESTIC WATER SERVICE BOXES SHALL BE MOVED OR ADJUSTED AS DIRECTED BY THE ENGINEER.

DATE	
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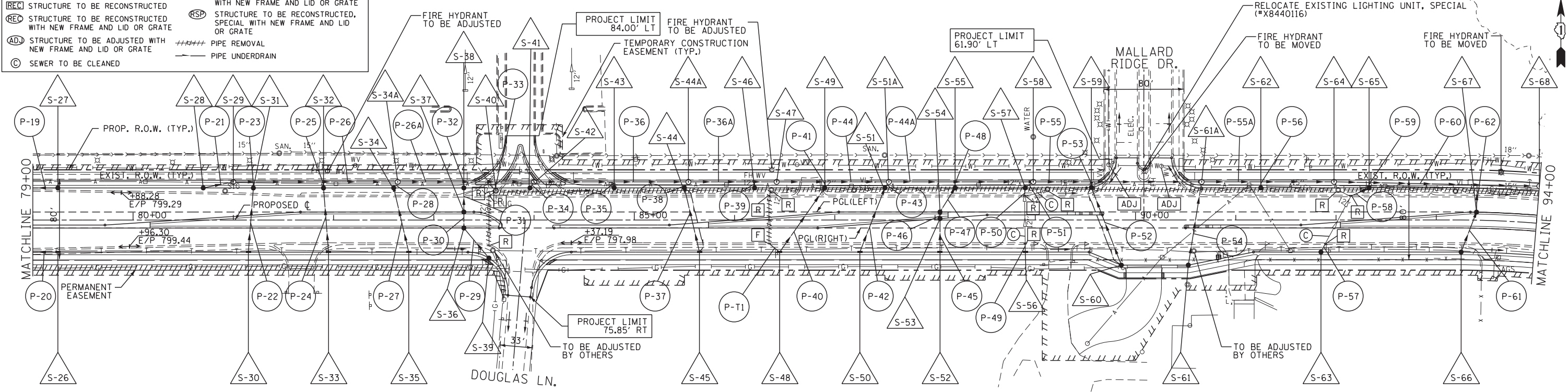
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FILEL	PLOT SCALE = *SCALE*	DRAWN - BCD	REVISED -			CONTRACT NO. 60V55					
	PLOT DATE = *DATE*	CHECKED - BLD	REVISED -			ILLINOIS FED. AID PROJECT					
		DATE - 1/29/2018	REVISED -								

- LEGEND**
- ADJ** STRUCTURE TO BE ADJUSTED
 - R** STRUCTURE TO BE REMOVED
 - REC** STRUCTURE TO BE RECONSTRUCTED
 - REC** STRUCTURE TO BE RECONSTRUCTED WITH NEW FRAME AND LID OR GRATE
 - AD** STRUCTURE TO BE ADJUSTED WITH NEW FRAME AND LID OR GRATE
 - C** SEWER TO BE CLEANED
 - ASP** STRUCTURE TO BE ADJUSTED, SPECIAL WITH NEW FRAME AND LID OR GRATE
 - RSP** STRUCTURE TO BE RECONSTRUCTED, SPECIAL WITH NEW FRAME AND LID OR GRATE
 - ##### PIPE REMOVAL
 - PIPE UNDERDRAIN

NOTE:

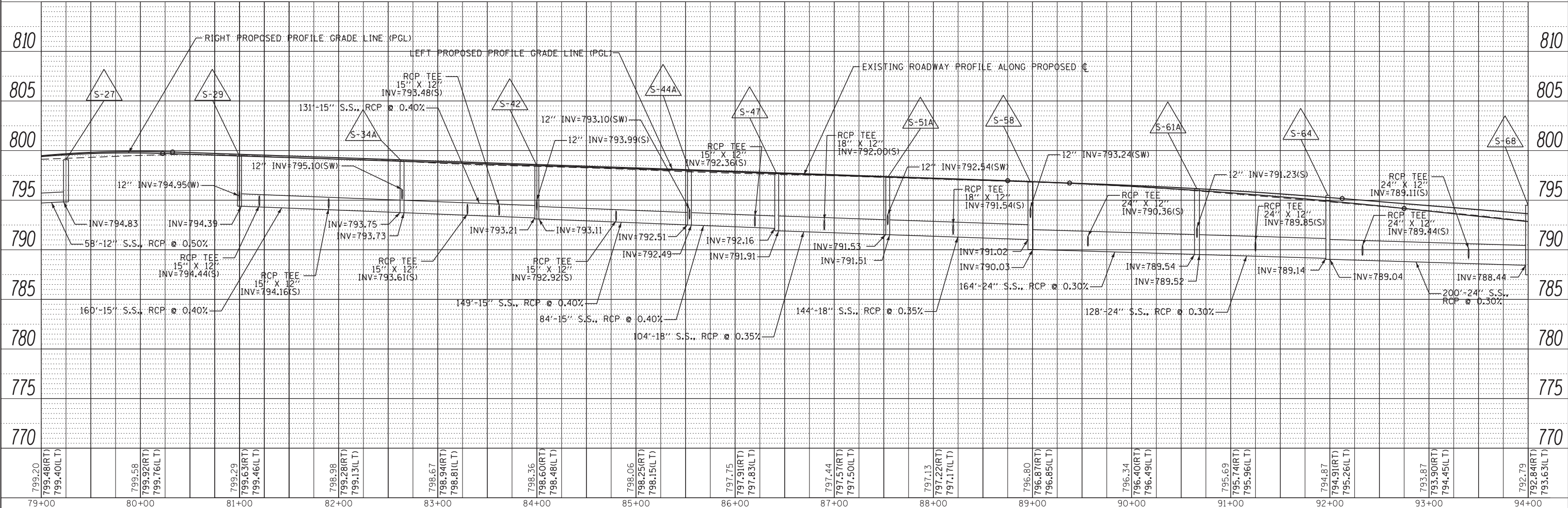
1) EXISTING DOMESTIC WATER SERVICE BOXES SHALL BE MOVED OR ADJUSTED AS DIRECTED BY THE ENGINEER.

2) TEMPORARY PIPES TO BE BULKHEAD AND PLUGGED AFTER STAGE 2 MAINLINE STORM SEWER AND LATERALS HAVE BEEN INSTALLED.



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FILE NAME =	USER NAME = *USER*	DESIGNED -	BLG	REVISED -	
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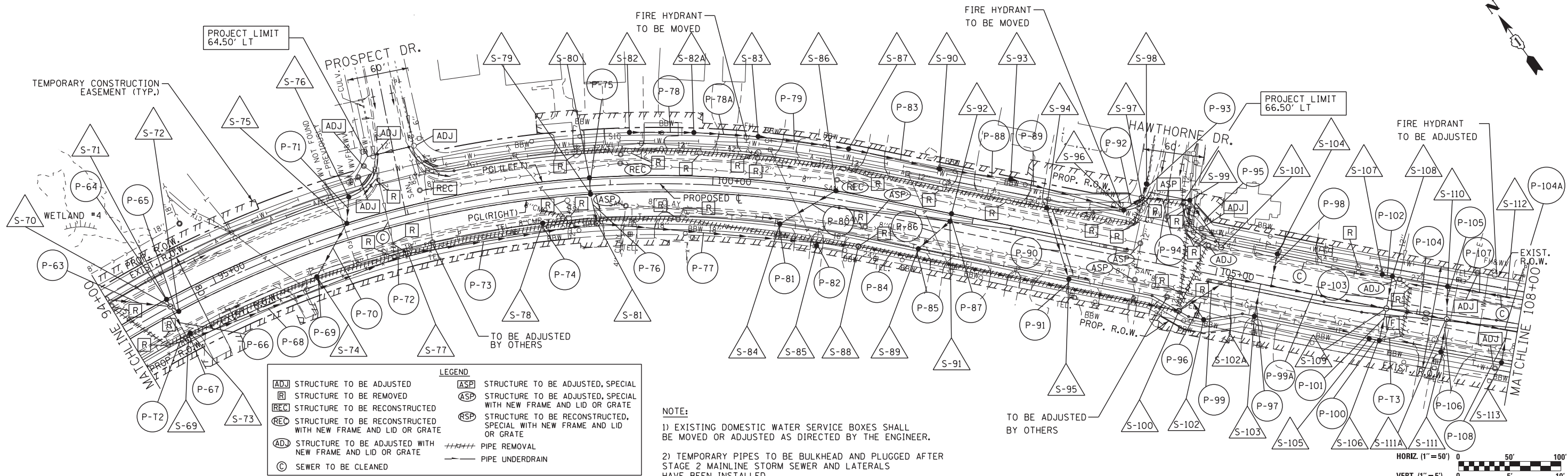
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITY PLAN

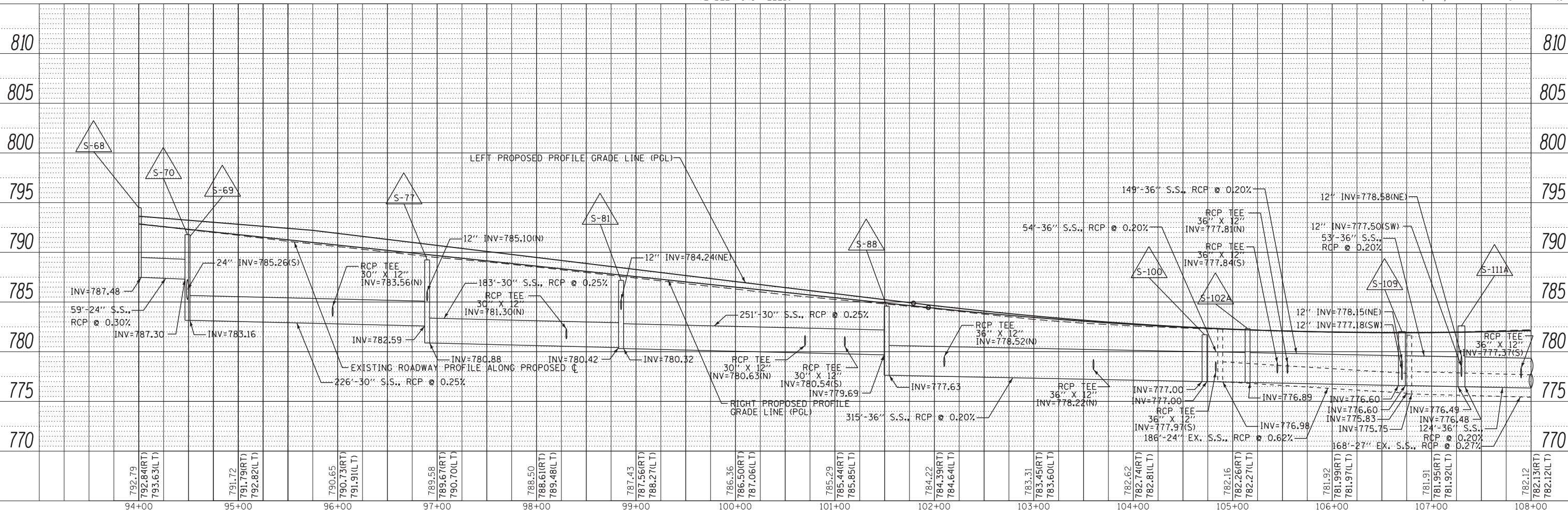
SCALE: 1" = 50' SHEET NO. 2 OF SHEETS STA. 79+00.00 TO STA. 94+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	111
CONTRACT NO. 60V55				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
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PROFILE	SURVEYED	DATE
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FILE NAME =	USER NAME = *USER*	DESIGNED - BLG	REVISED -	F.A.P. RTE. 541	SECTION A-WRS-2	COUNTY LAKE	TOTAL SHEETS 345	SHEET NO. 112
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		DATE - 1/29/2018	REVISED -					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN

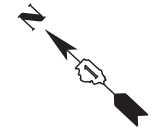
SCALE: 1" = 50' SHEET NO. 3 OF SHEETS STA. TO STA.

- LEGEND**
- ADJ** STRUCTURE TO BE ADJUSTED
 - R** STRUCTURE TO BE REMOVED
 - REC** STRUCTURE TO BE RECONSTRUCTED
 - REC** STRUCTURE TO BE RECONSTRUCTED WITH NEW FRAME AND LID OR GRATE
 - ADJ** STRUCTURE TO BE ADJUSTED WITH NEW FRAME AND LID OR GRATE
 - C** SEWER TO BE CLEANED
 - ASP** STRUCTURE TO BE ADJUSTED, SPECIAL WITH NEW FRAME AND LID OR GRATE
 - ASP** STRUCTURE TO BE ADJUSTED, SPECIAL WITH NEW FRAME AND LID OR GRATE
 - RSP** STRUCTURE TO BE RECONSTRUCTED, SPECIAL WITH NEW FRAME AND LID OR GRATE
 - ##### PIPE REMOVAL
 - PIPE UNDERDRAIN

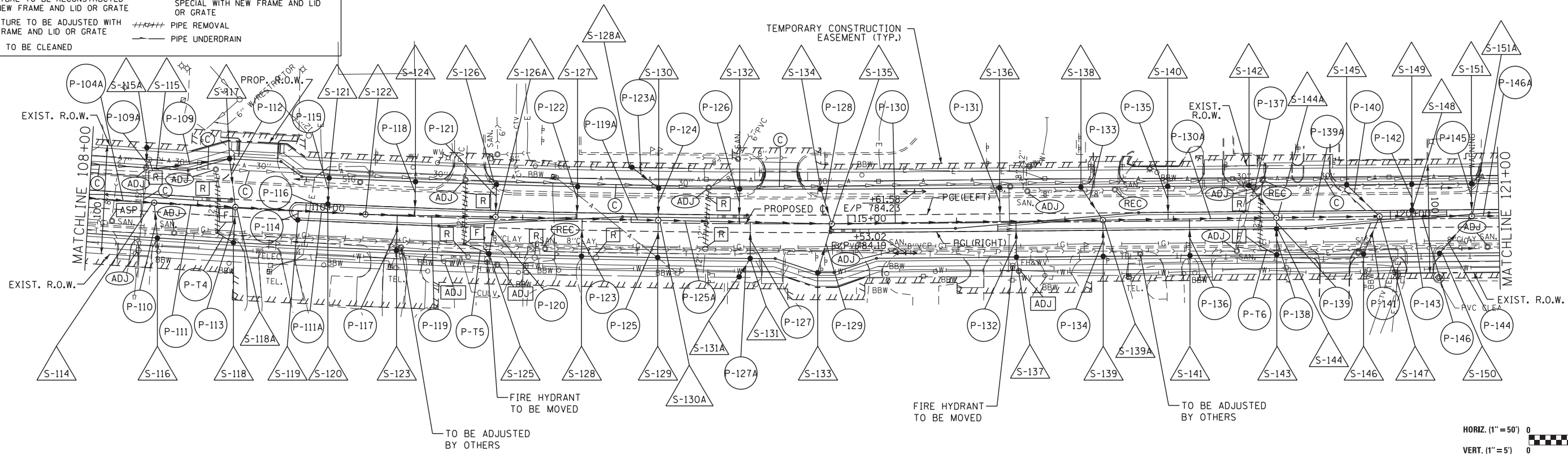
NOTE:

1) EXISTING DOMESTIC WATER SERVICE BOXES SHALL BE MOVED OR ADJUSTED AS DIRECTED BY THE ENGINEER.

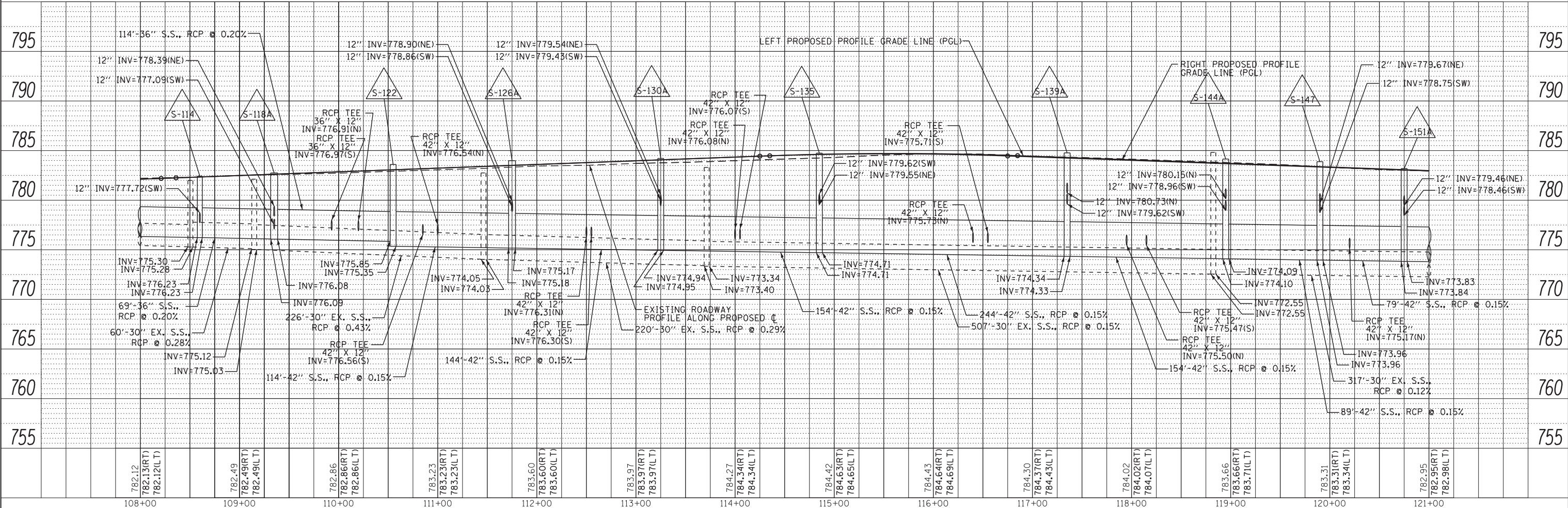
2) TEMPORARY PIPES TO BE BULKHEAD AND PLUGGED AFTER STAGE 2 MAINLINE STORM SEWER AND LATERALS HAVE BEEN INSTALLED.



DATE	
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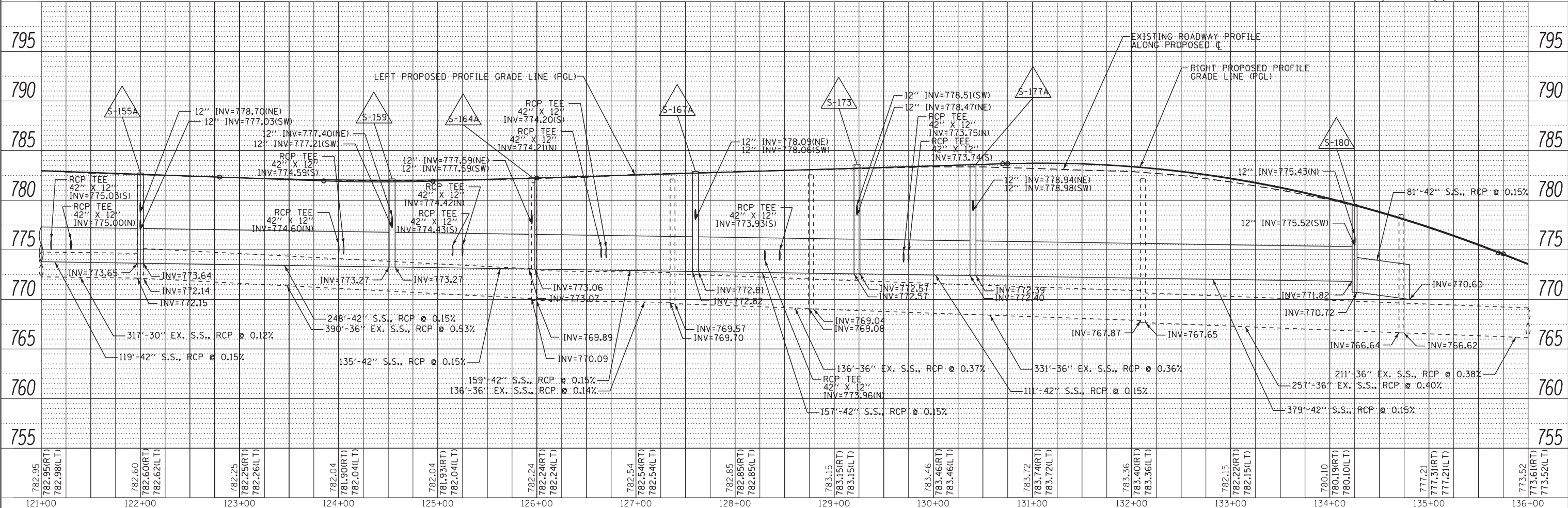
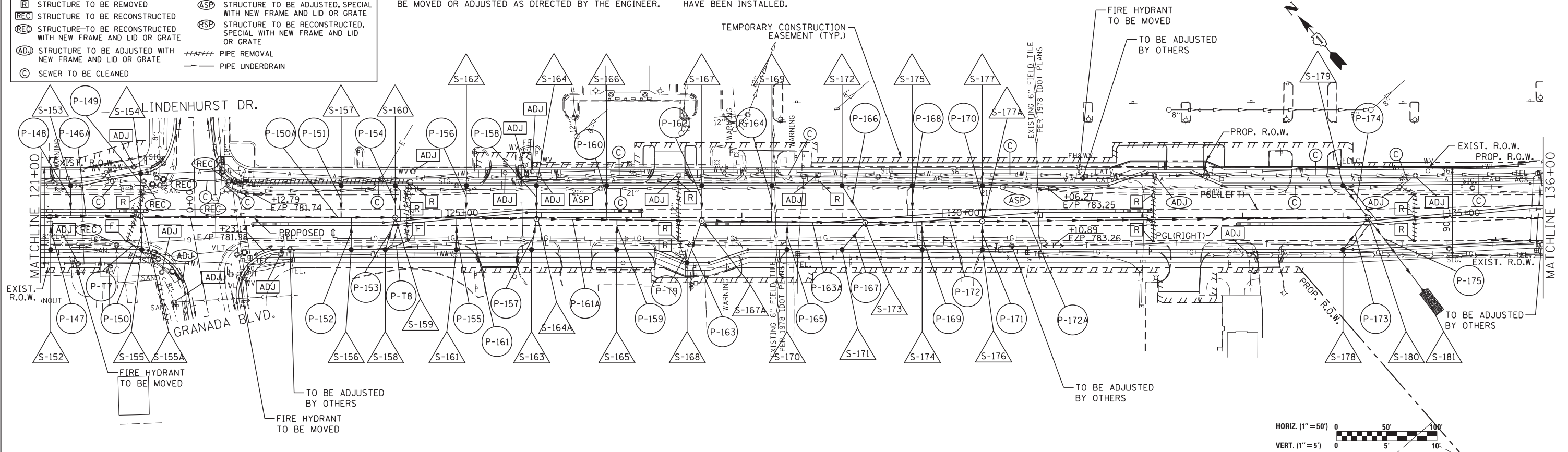


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FILEL		DRAWN - BCD	REVISED -			541	A-WRS-2	LAKE	345	113	
		CHECKED - BLG	REVISED -			CONTRACT NO. 60V55					
		DATE - 1/29/2018	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE: 1" = 50'		SHEET NO. 4 OF SHEETS		STA. TO STA.			

- LEGEND**
- ADJ** STRUCTURE TO BE ADJUSTED
 - R** STRUCTURE TO BE REMOVED
 - REC** STRUCTURE TO BE RECONSTRUCTED
 - REC** STRUCTURE TO BE RECONSTRUCTED WITH NEW FRAME AND LID OR GRATE
 - AD** STRUCTURE TO BE ADJUSTED WITH NEW FRAME AND LID OR GRATE
 - C** SEWER TO BE CLEANED
 - ASP** STRUCTURE TO BE ADJUSTED, SPECIAL WITH NEW FRAME AND LID OR GRATE
 - RSP** STRUCTURE TO BE RECONSTRUCTED, SPECIAL WITH NEW FRAME AND LID OR GRATE
 - ##### PIPE REMOVAL
 - PIPE UNDERDRAIN

NOTE:
 1) EXISTING DOMESTIC WATER SERVICE BOXES SHALL BE MOVED OR ADJUSTED AS DIRECTED BY THE ENGINEER.

2) TEMPORARY PIPES TO BE BULKHEAD AND PLUGGED AFTER STAGE 2 MAINLINE STORM SEWER AND LATERALS HAVE BEEN INSTALLED.



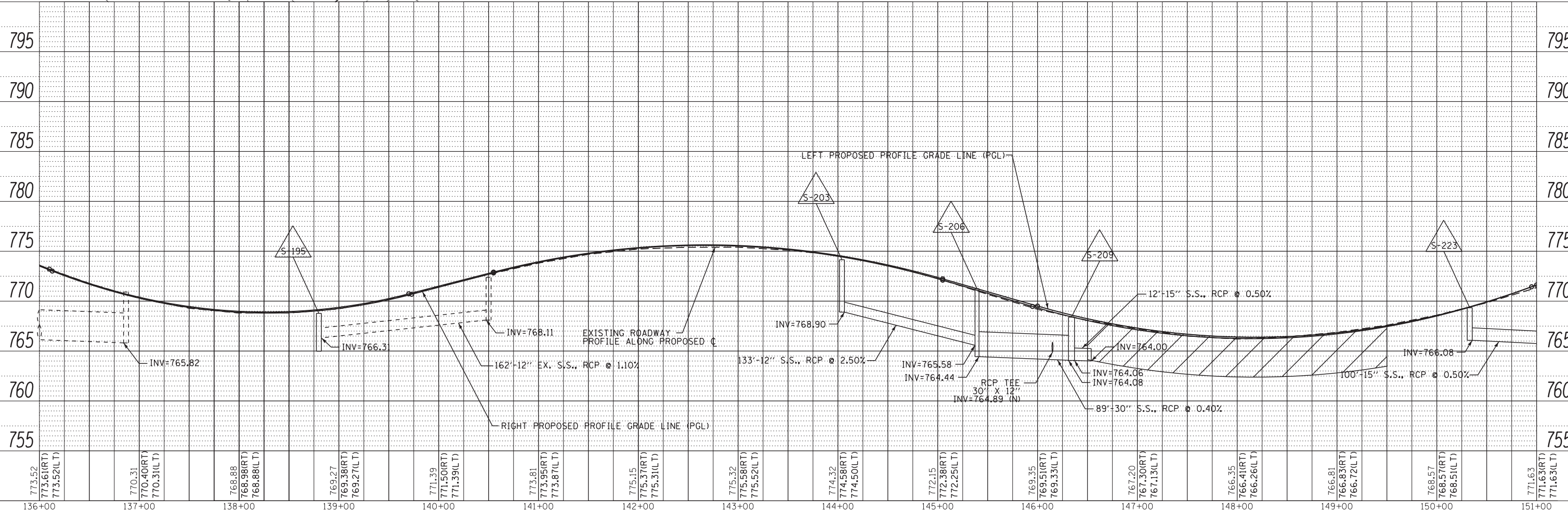
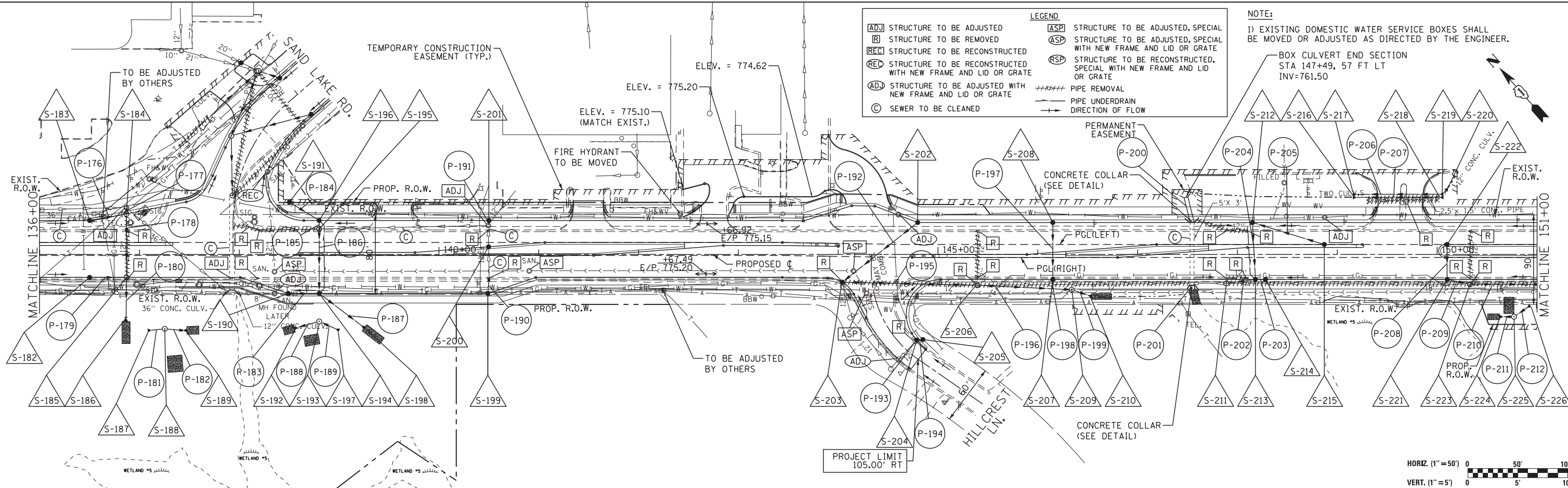
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FILE NAME =	USER NAME = *USER*	DESIGNED - BLC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY PLAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILEL		DRAWN - BCD	REVISED -			541	A-WRS-2	LAKE	345	114
		CHECKED - BLC	REVISED -			CONTRACT NO. 60V55				
		DATE - 1/29/2018	REVISED -			ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	ALIGNED	
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PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	GRADES	
	STRUCTURE	
	NOTATIONS	
	CHD	
	NO.	



FILE NAME =	USER NAME = *USER*	DESIGNED - BLG	REVISED -
FILEL		DRAWN - BCD	REVISED -
		CHECKED - BLG	REVISED -
		DATE - 1/29/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

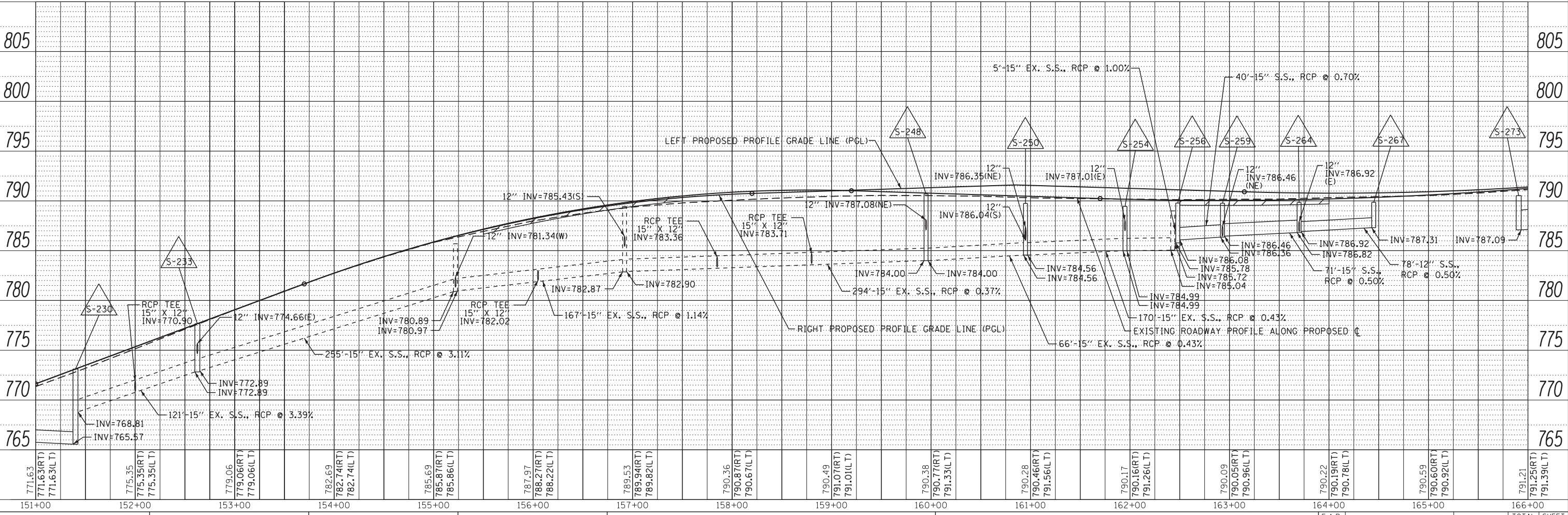
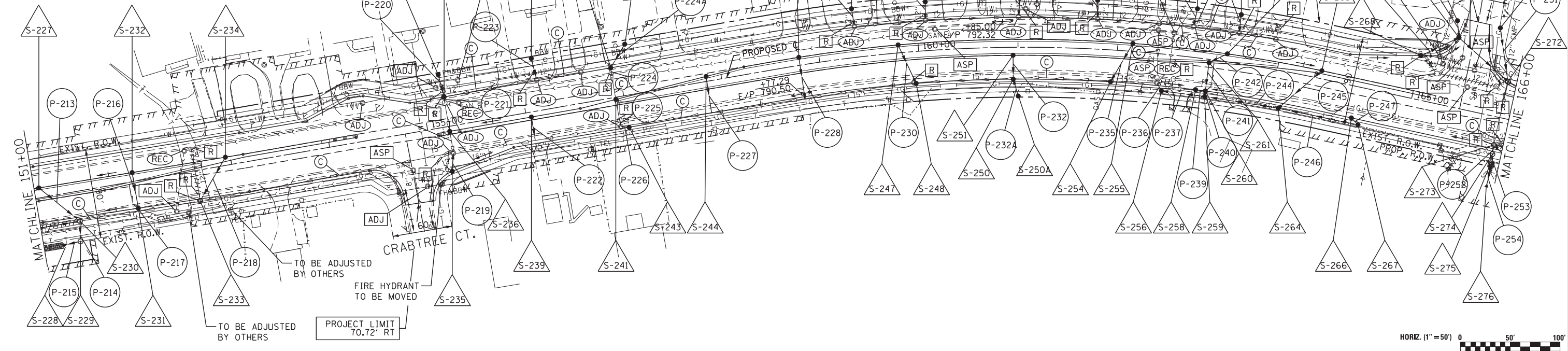
DRAINAGE AND UTILITY PLAN

SCALE: 1" = 50' SHEET NO. 6 OF SHEETS STA. TO STA.

F.A.P. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	115
CONTRACT NO. 60V55				
ILLINOIS FED. AID PROJECT				

- LEGEND**
- [ADJ] STRUCTURE TO BE ADJUSTED
 - [R] STRUCTURE TO BE REMOVED
 - [REC] STRUCTURE TO BE RECONSTRUCTED
 - [REC] STRUCTURE TO BE RECONSTRUCTED WITH NEW FRAME AND LID OR GRATE
 - [ADJ] STRUCTURE TO BE ADJUSTED WITH NEW FRAME AND LID OR GRATE
 - [C] SEWER TO BE CLEANED
 - [ASP] STRUCTURE TO BE ADJUSTED, SPECIAL WITH NEW FRAME AND LID OR GRATE
 - [ASP] STRUCTURE TO BE ADJUSTED, SPECIAL WITH NEW FRAME AND LID OR GRATE
 - [RSP] STRUCTURE TO BE RECONSTRUCTED, SPECIAL WITH NEW FRAME AND LID OR GRATE
 - PIPE REMOVAL
 - PIPE UNDERDRAIN

NOTE:
 1) EXISTING DOMESTIC WATER SERVICE BOXES SHALL BE MOVED OR ADJUSTED AS DIRECTED BY THE ENGINEER.



DATE: _____ BY: _____

PLAN SURVEYED _____ PLOTTED _____ CHECKED _____

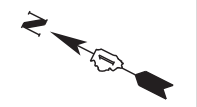
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DATE: _____ BY: _____

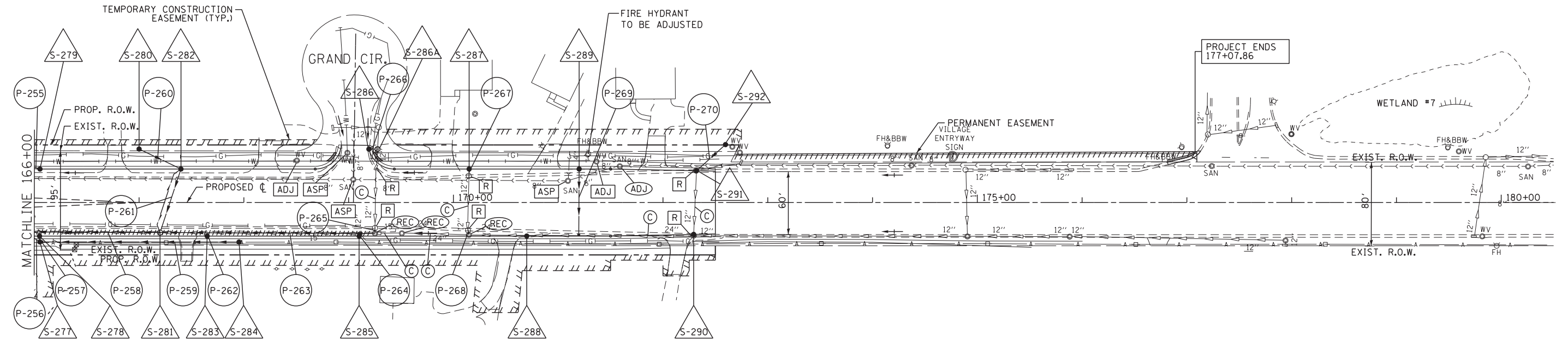
PROFILE SURVEYED _____ PLOTTED _____ CHECKED _____

NOTE BOOK NO. _____ STRUCTURE NOTATIONS CHKD _____

FILE NAME =	USER NAME = *USER*	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY PLAN	F.A.P. RTE. 541	SECTION A-WRS-2	COUNTY LAKE	TOTAL SHEETS 345	SHEET NO. 116		
FILEL	PLOT SCALE = *SCALE*	DRAWN - BCD	REVISED -			SCALE: 1" = 50'	SHEET NO. 7 OF SHEETS	STA. TO STA.	CONTRACT NO. 60V55			
	PLOT DATE = *DATE*	CHECKED - BLG	REVISED -			ILLINOIS FED. AID PROJECT						
		DATE - 1/29/2018	REVISED -									



PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	ALIGNED	
	FILED	
NOTE BOOK NO.	CADD FILE NAME	



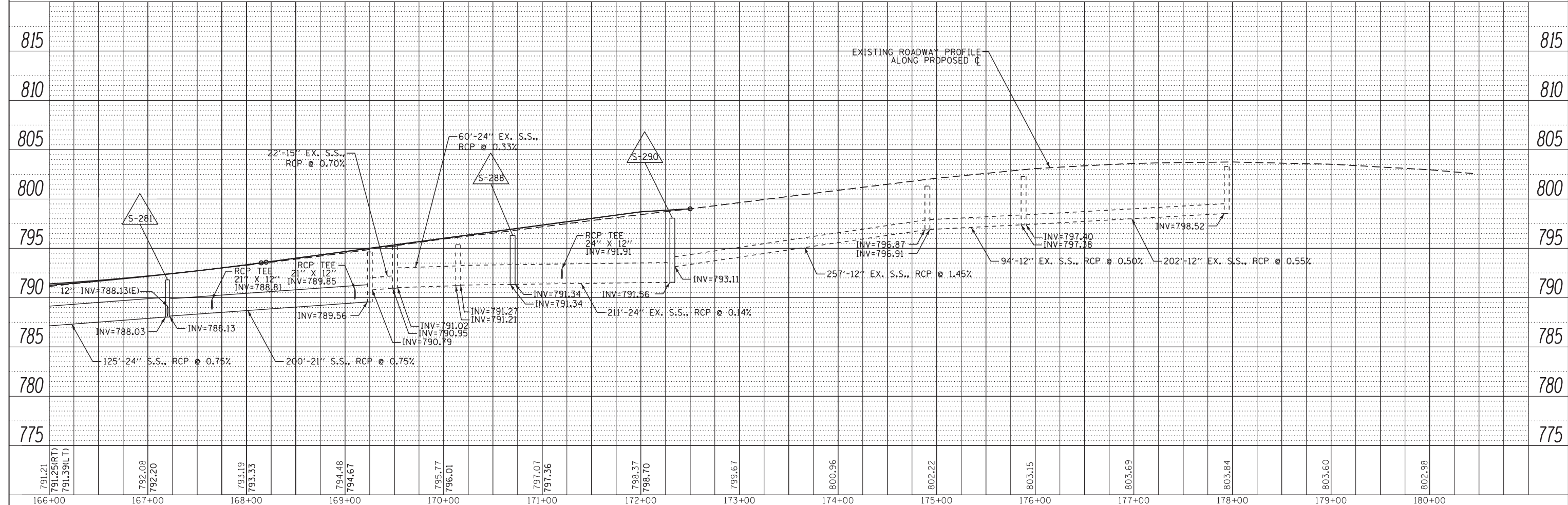
LEGEND

ADJ STRUCTURE TO BE ADJUSTED	ASP STRUCTURE TO BE ADJUSTED, SPECIAL WITH NEW FRAME AND LID OR GRATE
R STRUCTURE TO BE REMOVED	ASP STRUCTURE TO BE ADJUSTED, SPECIAL WITH NEW FRAME AND LID OR GRATE
REC STRUCTURE TO BE RECONSTRUCTED	RSP STRUCTURE TO BE RECONSTRUCTED, SPECIAL WITH NEW FRAME AND LID OR GRATE
REC STRUCTURE TO BE RECONSTRUCTED WITH NEW FRAME AND LID OR GRATE	ADJ STRUCTURE TO BE ADJUSTED WITH NEW FRAME AND LID OR GRATE
ADJ STRUCTURE TO BE ADJUSTED WITH NEW FRAME AND LID OR GRATE	##### PIPE REMOVAL
C SEWER TO BE CLEANED	- - - - - PIPE UNDERDRAIN

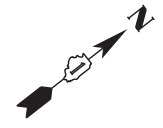
NOTE:
 1) EXISTING DOMESTIC WATER SERVICE BOXES SHALL BE MOVED OR ADJUSTED AS DIRECTED BY THE ENGINEER.



PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	GRADES	
	STRUCTURE	
NOTE BOOK NO.	NOTATION CHD	

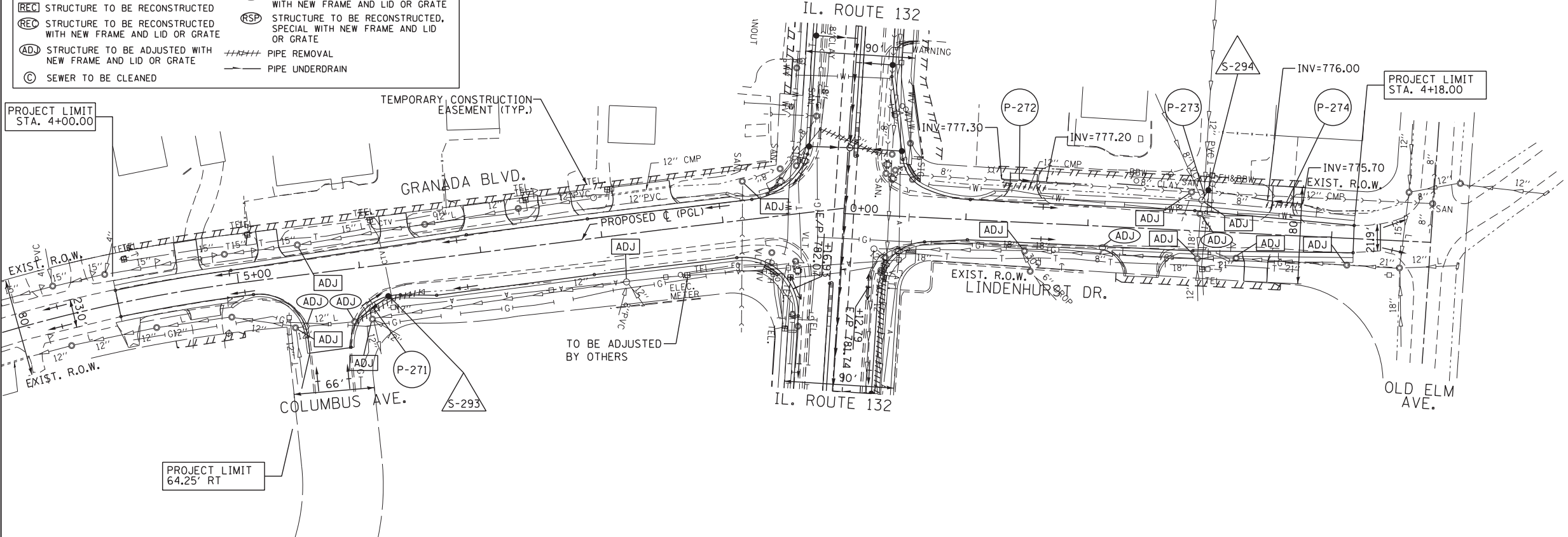


FILE NAME =	USER NAME = *USER*	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY PLAN		F.A.P. RTE. 541	SECTION A-WRS-2	COUNTY LAKE	TOTAL SHEETS 345	SHEET NO. 117	
FILEL	PLOT SCALE = *SCALE*	DRAWN - BCD	REVISED -		SCALE: 1" = 50'	SHEET NO. 8 OF	SHEETS	STA.	TO STA.	CONTRACT NO. 60V55		
	PLOT DATE = *DATE*	CHECKED - BLG	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE - 1/29/2018	REVISED -									



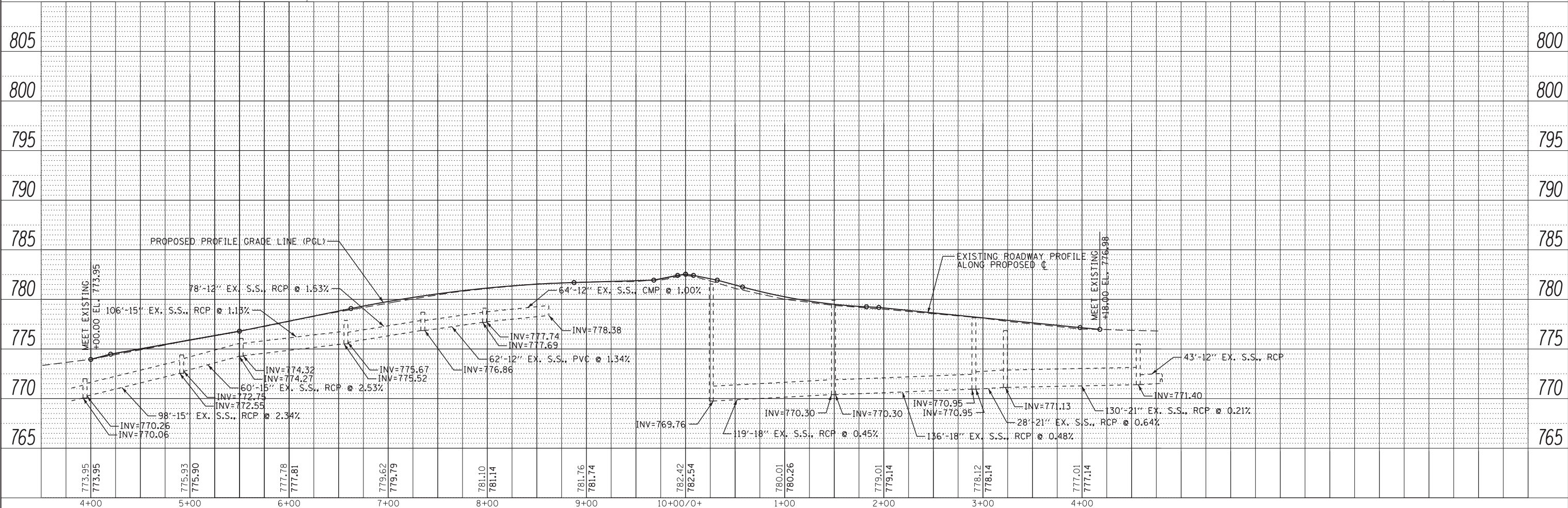
LEGEND	
[ADJ]	STRUCTURE TO BE ADJUSTED
[R]	STRUCTURE TO BE REMOVED
[REC]	STRUCTURE TO BE RECONSTRUCTED
[REC]	STRUCTURE TO BE RECONSTRUCTED WITH NEW FRAME AND LID OR GRATE
[ADJ]	STRUCTURE TO BE ADJUSTED WITH NEW FRAME AND LID OR GRATE
[C]	SEWER TO BE CLEANED
[ASP]	STRUCTURE TO BE ADJUSTED, SPECIAL
[ASP]	STRUCTURE TO BE ADJUSTED, SPECIAL WITH NEW FRAME AND LID OR GRATE
[RSP]	STRUCTURE TO BE RECONSTRUCTED, SPECIAL WITH NEW FRAME AND LID OR GRATE
----	PIPE REMOVAL
---	PIPE UNDERDRAIN

NOTE:
 1) EXISTING DOMESTIC WATER SERVICE BOXES SHALL BE MOVED OR ADJUSTED AS DIRECTED BY THE ENGINEER.



PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	

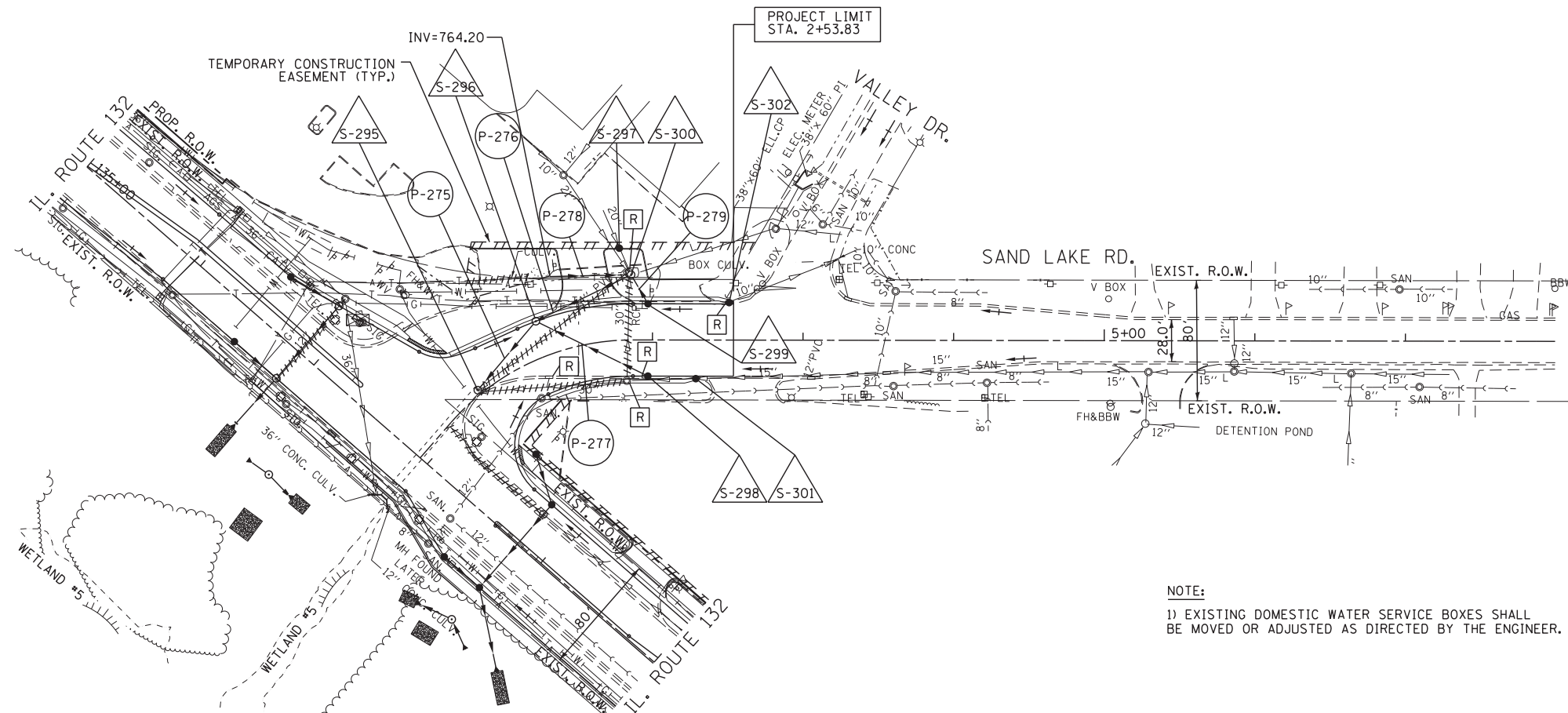
PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	



FILE NAME =	USER NAME = *USER*	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY PLAN LINDENHURST DR AND GRANADA BLVD		F.A.P. RTE. 541	SECTION A-WRS-2	COUNTY LAKE	TOTAL SHEETS 345	SHEET NO. 118
FILEL	PLOT SCALE = *SCALE*	CHECKED - BLG	REVISED -		SCALE: 1" = 50'	SHEET NO. 9 OF	SHEETS STA.	CONTRACT NO. 60V55		ILLINOIS FED. AID PROJECT	
	PLOT DATE = *DATE*	DATE - 1/29/2018	REVISED -								

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	ALIGNED	
	FILED	
NOTE BOOK NO.	CADD FILE NAME	

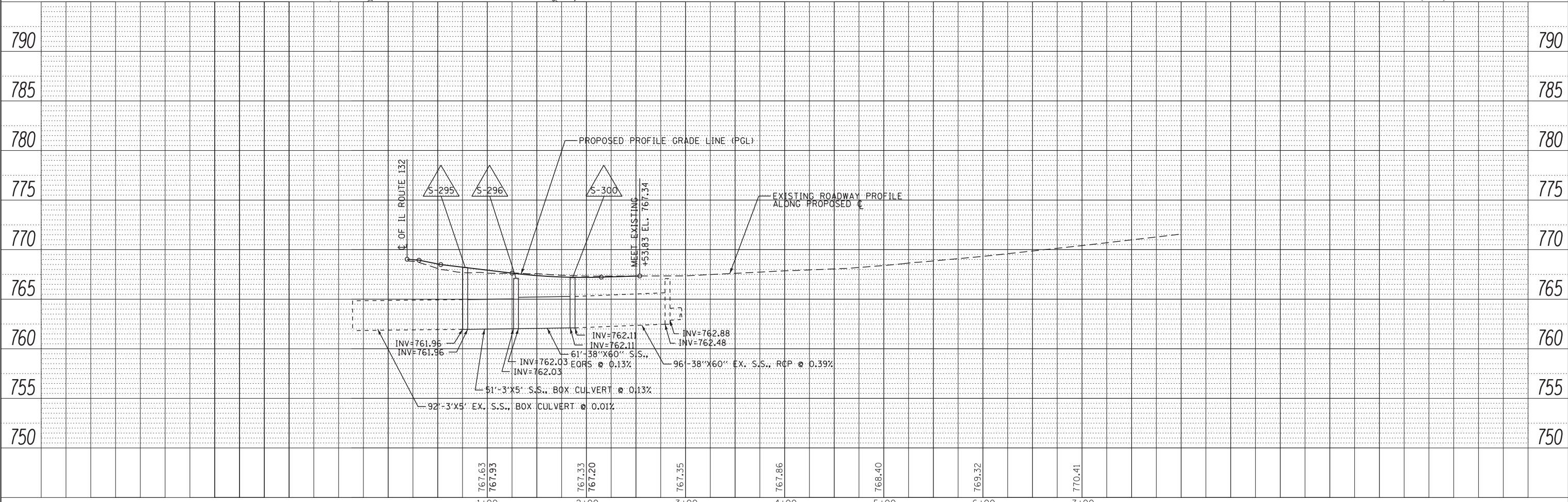
PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	GRADES	
	STRUCTURE	
NOTE BOOK NO.	NOTATION CHD	



LEGEND

(ADJ) STRUCTURE TO BE ADJUSTED	(ASP) STRUCTURE TO BE ADJUSTED, SPECIAL WITH NEW FRAME AND LID OR GRATE
(R) STRUCTURE TO BE REMOVED	(ASP) STRUCTURE TO BE ADJUSTED, SPECIAL WITH NEW FRAME AND LID OR GRATE
(REC) STRUCTURE TO BE RECONSTRUCTED	(RSP) STRUCTURE TO BE RECONSTRUCTED, SPECIAL WITH NEW FRAME AND LID OR GRATE
(REC) STRUCTURE TO BE RECONSTRUCTED WITH NEW FRAME AND LID OR GRATE	(RSP) STRUCTURE TO BE RECONSTRUCTED, SPECIAL WITH NEW FRAME AND LID OR GRATE
(ADJ) STRUCTURE TO BE ADJUSTED WITH NEW FRAME AND LID OR GRATE	+++++ PIPE REMOVAL
(C) SEWER TO BE CLEANED	--- PIPE UNDERDRAIN

NOTE:
 1) EXISTING DOMESTIC WATER SERVICE BOXES SHALL BE MOVED OR ADJUSTED AS DIRECTED BY THE ENGINEER.



FILE NAME =	USER NAME = *USER*	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITY PLAN SAND LAKE ROAD			F.A.P. RTE. 541	SECTION A-WRS-2	COUNTY LAKE	TOTAL SHEETS 345	SHEET NO. 119
FILEL	PLOT SCALE = *SCALE*	DRAWN - BCD	REVISED -		SCALE: 1" = 50'	SHEET NO. 12 OF	SHEETS	STA. 0+00	TO STA.	CONTRACT NO. 60V55		
	PLOT DATE = *DATE*	CHECKED - BLG	REVISED -							ILLINOIS FED. AID PROJECT		
		DATE - 1/29/2018	REVISED -									

STRUCT. NO.	STATION	OFFSET	STRUCTURE TYPE	RIM	INVERT			
					NORTH	SOUTH	EAST	WEST
S-1	70+85	24.2' RT	CB TA 4' DIA T24 F&G	776.29	773.79			
S-2	70+85	24.2' LT	CB TA 4' DIA T24 F&G	776.29	773.55	773.55		
S-3	70+85	38' LT	CB TA 4' DIA T8G	775.25		773.50		
S-4	71+89.4	26.3' RT	INL TA T24 F&G	777.90	775.40			
S-5	71+90	26.3' LT	CB TA 4' DIA T24 F&G	777.93	775.36	775.36		
S-6	71+90	51' LT	FES 12"			775.29		
S-7	72+90	28.3' RT	INL TA T24 F&G	780.33	777.33			
S-8	72+90	4.3' RT	CB TA 4' DIA T23 F&G	780.81	777.21	777.21		
S-9	72+90	4.3' LT	CB TA 4' DIA T23 F&G	780.85	777.20	777.20		
S-10	72+90	28.3' LT	CB TA 4' DIA T24 F&G	780.37	777.08	777.08		
S-11	72+90	57' LT	FES 12"			776.99		
S-12	73+91.4	30.3' RT	INL TA T24 F&G	783.64	780.83			
S-13	73+90	30.3' LT	CB TA 4' DIA T24 F&G	783.66	779.42	779.43 (EX)	779.43 (EX)	
S-14	73+90	64' LT	FES 15"			779.31		
S-15	75+91	32' RT	INL TA T24 F&G	791.65	788.75			
S-16	75+90	32' LT	CB TA 4' DIA T24 F&G	791.73		787.73	787.50 (EX)	787.37 (EX)
S-17	77+38.2	32' RT	INL TA T24 F&G	796.28	793.78			
S-18	77+39.8	32' LT	CB TA 4' DIA T24 F&G	796.34		792.34	791.00 (EX)	791.00 (EX)
S-19	78+14.1	31.7' LT	MH TA 4' DIA T1F CL	797.84	794.28 (EX NE)	793.01 (EX)	793.69	792.77 (EX)
S-20	78+15.5	36.5' RT	MH TA 4' DIA T1F CL	798.05	793.77		793.93	
S-21	78+23.6	54.9' LT	CB TA 4' DIA T24 F&G	798.29		794.57 (SW)		
S-22	78+37.8	36.1' LT	MH TA 4' DIA T1F CL	798.32	794.90 (EX)		794.32	793.79
S-23	78+63	53' RT	INL TA T8G	796.50	794.20			
S-24	78+57.2	32' RT RD	CB TA 4' DIA T24 F&G (5' T)	798.52		794.12	794.52	794.12
S-25	78+62.8	32' LT	CB TA 4' DIA T24 F&G	798.54			794.54	794.43
S-26	79+25	32' RT	INL TA T24 F&G	799.20				794.84
S-27	79+25	32' LT	CB TA 4' DIA T24 F&G	799.10				794.83
S-28	80+70	32' LT	CB TA 4' DIA T24 F&G	799.08			795.08	
S-29	81+00	38' LT	MH TA 4' DIA T1F CL	799.43			794.39	794.95
S-30	81+15	32' RT	INL TA T24 F&G	799.10	796.10			
S-31	81+20	32' LT	CB TA 4' DIA T24 F&G	798.91	794.45	795.78		
S-32	81+90	32' LT	CB TA 4' DIA T24 F&G	798.69	794.17	795.50		
S-33	81+95	32' RT	INL TA T24 F&G	798.82	795.82			
S-34	82+60	32' LT	CB TA 4' DIA T24 F&G	798.46	795.12 (NE)	795.22		
S-34A	82+64	38' LT	MH TA 5' DIA T1F CL	798.89		795.10 (SW)	793.73	793.75
S-35	82+75	32' RT	INL TA T24 F&G	798.55	795.55			
S-36	83+30	8' RT	CB TA 4' DIA T23 F&G	798.84	793.98	794.08		
S-37	83+30	8' LT	CB TA 4' DIA T23 F&G	798.71	793.84	793.94		
S-38	83+30	32' LT	CB TA 4' DIA T24 F&G	798.23	793.62	793.72		
S-39	83+55	37.9' RT	CB TA 4' DIA T24 F&G	797.90	794.28 (NW)			
S-40	83+62	29.2' LT	MH TA 4' DIA T1F CL	798.18	794.81 (EX NW)		793.33 (NE)	
S-41	83+96	32' LT	CB TA 4' DIA T24 F&G	798.01	794.01 (NE)			
S-42	84+00	38' LT	MH TA 5' DIA T1F CL	798.45		793.99 (SW)	793.11	793.21
S-43	84+80	32' LT	CB TA 4' DIA T24 F&G	797.74	792.93			
S-44	85+50	32' LT	CB TA 4' DIA T24 F&G	797.51	793.12 (NE)	793.22		
S-44A	85+54	38' LT	MH TA 5' DIA T1F CL	797.95		793.10 (SW)	792.49	792.51
S-45	85+65	32' RT	INL TA T24 F&G	797.55	793.55			
S-46	86+20	32' LT	CB TA 4' DIA T24 F&G	797.28	792.37			
S-47	86+42	38' LT	MH TA 4' DIA T1F CL	797.66			791.91	792.16
S-48	86+45	32' RT	INL TA T24 F&G	797.28	793.28			793.28 (TEMP)
S-49	86+90	32' LT	CB TA 4' DIA T24 F&G	797.05	792.01	792.89		
S-50	87+25	32' RT	INL TA T24 F&G	797.00	793.00			
S-51	87+50	32' LT	CB TA 4' DIA T24 F&G	796.86	792.56 (NE)	792.66		
S-51A	87+54	38' LT	MH TA 5' DIA T1F CL	797.30		792.54 (SW)	791.51	791.53
S-52	88+05	32' RT	INL TA T24 F&G	796.73	793.73			
S-53	88+05	1.4' LT	CB TA 4' DIA T23 F&G	797.35	793.47	793.57		
S-54	88+05	8' LT	CB TA 4' DIA T23 F&G	797.16	793.36	793.46		
S-55	88+20	32' LT	CB TA 4' DIA T24 F&G	796.63	791.55	793.22		
S-56	88+90	32' RT	INL TA T24 F&G	796.43	794.02			
S-57	88+90	32' LT	CB TA 4' DIA T24 F&G	796.40	793.26	793.36		
S-58	88+98	38' LT	MH TA 5' DIA T1F CL	796.82		793.24	790.03	791.02
S-59	89+56	32.4' LT	CB TA 4' DIA T24 F&G	796.01	790.37	792.76		
S-60	89+84	45' RT	CB TA 4' DIA T24 F&G	796.10	793.10			
S-61	90+53	45' RT	CB TA 4' DIA T24 F&G	795.64	791.64			
S-61A	90+66	38' LT	MH TA 5' DIA T1F CL	796.13		791.23	789.52	789.54
S-62	91+25	32' LT	CB TA 4' DIA T24 F&G	795.32	789.86			
S-63	91+85	32' RT	CB TA 4' DIA T24 F&G	794.56	791.69			
S-64	91+98	38' LT	MH TA 4' DIA T1F CL	795.49			789.04	789.14
S-65	92+33	32' LT	CB TA 4' DIA T24 F&G	795.00	789.44	791.36 (SW)		
S-66	93+25	32' RT	CB TA 4' DIA T24 F&G	793.02	789.44			
S-67	93+40	8' LT	CB TA 4' DIA T23 F&G	794.12	789.25	789.25		
S-68	94+00	37' LT	MH TA 4' DIA T1F CL	794.49		787.48 (SE)		788.44
S-69	94+50	37' RT	MH TA 5' DIA T1F CL	791.78	785.16	787.39 (NE)	783.16	784.60 (TEMP)
S-70	94+50	0' LT	MH TA 5' DIA T1F CL	793.21	789.22	785.26	788.25 (SE)	787.30 (NW)
S-71	94+50	8' LT	CB TA 4' DIA T23 F&G	793.23		789.23		
S-72	94+55	8' RT	CB TA 4' DIA T23 F&G	792.26	788.26 (NW)			
S-73	94+55	32' RT	CB TA 4' DIA T24 F&G	791.40		787.40 (SW)		
S-74	95+95	32' RT	CB TA 4' DIA T24 F&G	789.92	785.92 (NE)	783.59 (SW)		
S-75	96+40	8' LT	CB TA 4' DIA T23 F&G	791.42	786.30 (NE)	786.20 (SW)		
S-76	96+49.3	32' LT	CB TA 4' DIA T24 F&G	792.17		786.43 (SW)		
S-77	96+90	37' RT	MH TA 5' DIA T1F CL	789.24	785.10		780.88 (SE)	782.59
S-78	98+30	32' RT	CB TA 4' DIA T24 F&G	787.43		781.32 (SW)		
S-79	98+80	8' RT	CB TA 4' DIA T23 F&G	787.77	784.47 (NE)	784.37 (SW)		
S-80	98+80	8' LT	CB TA 4' DIA T23 F&G	788.51		784.51 (SW)		
S-81	98+85	37' RT	MH TA 5' DIA T1F CL	787.18	784.24 (NE)		780.32 (SE)	780.42 (NW)
S-82	99+20	50.5' LT	CB TA 4' DIA T8G	788.73		785.23 (SE)		
S-82A	99+80	50.5' LT	CB TA 4' DIA T8G	787.85	784.94 (NW)	784.84 (SE)		
S-83	100+40	50.5' LT	CB TA 4' DIA T8G	787.62	784.55 (NW)	783.38 (SE)		
S-84	100+70	32' RT	CB TA 4' DIA T24 F&G	784.90	781.31 (NE)	780.68 (SW)		
S-85	101+10	48' RT	CB TA 4' DIA T8G	784.20	780.55 (NE)			
S-86	101+20	8' LT	CB TA 4' DIA T23 F&G	785.61		781.61 (SW)		
S-87	101+25	50.5' LT	CB TA 4' DIA T8G	786.45	782.95 (NW)	781.72 (SE)		
S-88	101+52.1	41.3' RT	MH TA 5' DIA T1F CL	784.59			777.63 (SE)	779.69 (NW)
S-89	102+10	32' RT	CB TA 4' DIA T24 F&G	783.80		778.54 (SW)	779.94	
S-90	102+15	48.5' LT	CB TA 4' DIA T8G	784.78	781.28 (NW)	780.42 (SE)		
S-91	102+35	0.3' LT	CB TA 4' DIA T23 F&G	784.16	780.24 (NE)			780.14

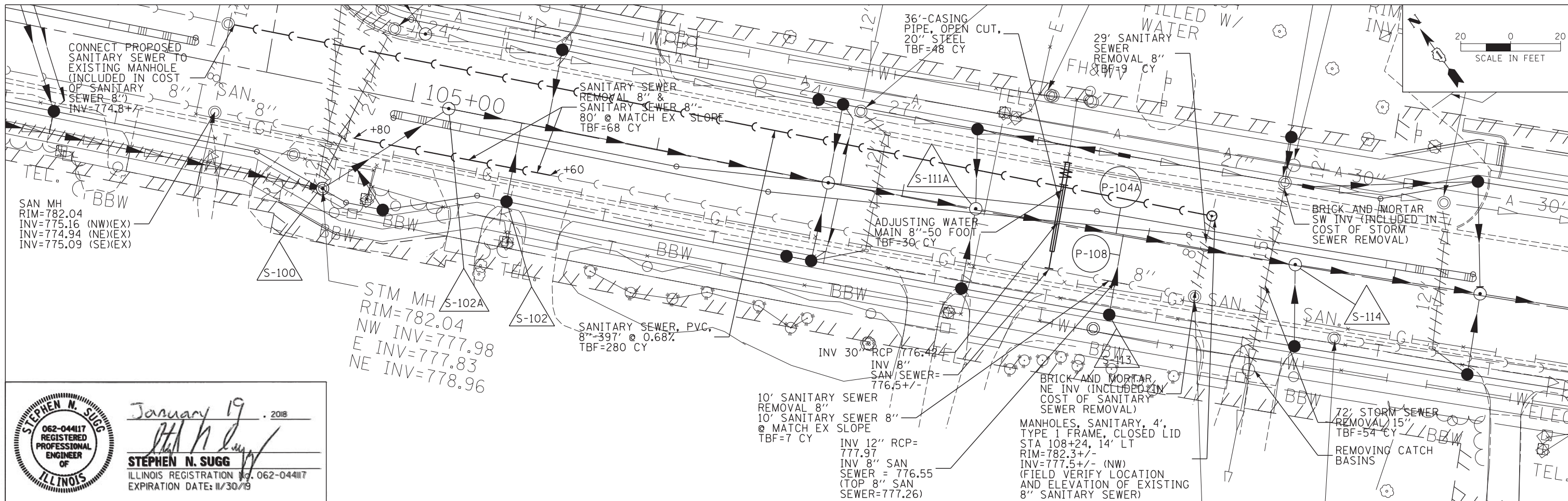
NO.	LENGTH (FOOT)	MATERIAL	TYPE	DIA. (IN)	SLOPE %	TBF (CU. YD.)
P-1	48	SS, CL A	1	12	0.50	7.8
P-2	8	SS, CL A	1	12	0.50	1.4
P-3	2	SS, CL A	2	12	0.50	0.3
P-4	18	SS, CL A	1	12	0.50	3.1
P-5	24	SS, CL A	1	12	0.50	4.4
P-6	9	SS, CL A	1	12	0.50	1.9
P-7	24	SS, CL A	1	12	0.50	4.9
P-8	24	SS, CL A	1	12	0.50	4.4
P-9	2	SS, CL A	1	12	0.50	0.3
P-10	30	SS, CL A	1	15	0.50	5.5
P-11	2	SS, CL A	1	12	0.50	0.3
P-12	64	SS, CL A	1	12	0.50	8.4
P-13	38	SS, WMR	-	12	0.50	6.6
P-14	5	SS, CL A	2	12	0.50	0.9
P-15	17	SS, WMR	-	12	0.50	2.2
P-16	7	SS, CL A	1	12	0.50	1.0
P-17	20	SS, CL A	2	12	0.50	3.7
P-18	21	SS, CL A	2	12	0.50	3.2
P-19	58	SS, WMR	-	12	0.50	9.4
P-20	64	SS, WMR	-	12	0.50	11.1
P-21	26	SS, CL A	2	12	0.50	4.5
P-22	64	SS, CL A	1	12	0.50	8.4
P-23	2	SS, CL A	2	12	0.50	0.4
P-24	64	SS, CL A	1	12	0.50	8.4
P-25	2	SS, CL A	2	12	0.50	0.4
P-26	160	SS, CL A	2	15	0.40	43.3
P-26A	131	SS, CL A	2	15	0.40	36.9
P-27	66	SS, CL A	1	12	0.50	8.7
P-28	4	SS, CL A	2	12	0.50	0.7
P-29	39	SS, CL A	2	12	0.50	6.7
P-30	8	SS, CL A	2	12	0.50	1.9
P-31	24	SS, CL A	2	12	0.50	5.4
P-32	2	SS, CL A	2	12	0.50	0.4
P-33	5	SS, CL A	2	12	0.50	1.2
P-34	4	SS, CL A	2	12	0.50	0.7
P-35	2	SS, CL A	2	12	0.50	0.5
P-36	149	SS, CL A	2	15	0.40	45.4
P-36A	84	SS, CL A	2	15	0.40	26.6
P-37	66	SS, CL A	2	12	0.50	10.7
P-38	4	SS, CL A	2	12	0.50	0.8
P-39	2	SS, CL A	2	12	0.50	0.5
P-40	78	SS, CL A	2	12	0.50	12.7
P-41	2	SS, CL A	2	12	0.50	0.5
P-42	69	SS, CL A	2	12	0.50	11.2
P-43	4	SS, CL A	2	12	0.50	0.7
P-44	108	SS, CL A	2	18	0.35	37.3
P-44A	139	SS, CL A	2	18	0.35	49.8
P-45	33	SS, CL A	1	12	0.50	4.4
P-46	1	SS, CL A	1	12	0.50	0.1
P-47	28	SS, CL A	1	12	0.50	3.7
P-48	1	SS, CL A	2	12	0.50	0.3
P-49	10	SS, CL A	1	12	0.50	1.3
P-50	8	SS, CL A	1	12	0.50	1.1
P-51	5	SS, CL A	1	12	0.50	0.7
P-52	83	SS, CL A	1	12	0.50	11.0
P-53	1	SS, CL A	2	12	0.50	0.3
P-54	82	SS, CL A	2	12	0.50	15.9
P-55	164	SS, CL A	2	24	0.30	115.3
P-55A	128	SS, CL A	2	24	0.30	84.8
P-56	1	SS, CL A	2	12		

STRUCT. NO.	STATION	OFFSET	STRUCTURE TYPE	RIM	INVERT			
					NORTH	SOUTH	EAST	WEST
S-92	102+35	8' LT	CB TA 4' DIA T23 F&G	784.25		780.25 (SW)		
S-93	102+85	52.5' LT	CB TA 4' DIA T8G	783.59	780.09 (NW)	778.64 (SE)		
S-94	103+25	32' LT	CB TA 4' DIA T24 F&G	782.90		778.71		
S-95	103+60	32' RT	CB TA 4' DIA T24 F&G	782.52	778.34	778.24 (SW)		
S-96	103+99.5	44.7' LT	CB TA 4' DIA T24 F&G	782.09	778.09 (NW)		778.09	
S-97	104+14.4	59.9' LT	MH TA 4' DIA T1F CL	782.32	779.32 (NE)	777.91 (SE)		778.01
S-98	104+16.2	74.1' LT	CB TA 4' DIA T8G	782.37		779.37 (SW)		
S-99	104+61.7	66.7' LT	CB TA 4' DIA T8G	782.50	777.70 (NW)	777.70		
S-100	104+71.7	41.3' RT	MH TA 5' DIA T1F CL	781.71			777.00	777.00 (NW)
S-101	105+00	27.5' LT	MH TA 5' DIA T1F CL	781.88	777.44	776.95 (EX SE)		
S-102	104+97	45' RT	CB TA 4' DIA T24 F&G	781.53				778.07 (NW)
S-102A	105+15	0' RT	MH TA 5' DIA T1F CL	782.33		776.89 (SE)		776.89 (SW)
S-103	105+45	32' RT	CB TA 4' DIA T24 F&G	781.63	778.00 (NE)			
S-104	105+55	32' LT	CB TA 4' DIA T24 F&G	781.60		779.00 (SW)		
S-105	106+59	32' RT	CB TA 4' DIA T24 F&G	781.46		777.46 (SE)		
S-106	106+69	32' RT	CB TA 4' DIA T24 F&G	781.46	777.43 (NW)	777.33 (TEMP)	777.33 (NE)	
S-107	106+60	32' LT	CB TA 4' DIA T24 F&G	781.43		778.43 (SE)		
S-108	106+70	32' LT	CB TA 4' DIA T24 F&G	781.43	778.40 (NW)	778.30 (SW)		
S-109	106+70	0' RT	MH TA 7' DIA T1F CL	782.03	778.15 (NE)	777.18 (SW)	776.60 (SE)	776.60 (NW)
S-110	107+25	32' LT	CB TA 4' DIA T24 F&G	781.47		778.72 (SW)		778.82 (SE)
S-111	107+30	32' RT	CB TA 4' DIA T24 F&G	781.50	777.64 (NE)			
S-111A	107+30	0.5' LT	MH TA 7' DIA T1F CL	782.60	778.58 (NE)	777.50 (SW)	776.48 (SE)	776.49 (NW)
S-112	107+85	32' LT	INL TA T24 F&G	781.60		779.10 (SW)		
S-113	107+90	32' RT	CB TA 4' DIA T24 F&G	781.62	778.62 (NE)			
S-114	108+60	0.3' LT	MH TA 6' DIA T1F CL	782.42		777.72 (SW)	776.23 (SE)	776.23 (NW)
S-115	108+60	32' LT	INL TA T24 F&G	781.86			779.36	
S-115A	108+50	50.5' LT	CB TA 4' DIA T8G	781.50		778.51 (SW)		
S-116	108+65	32' RT	CB TA 4' DIA T24 F&G	781.88	777.88 (NE)			
S-117	109+27	45' LT	CB TA 4' DIA T24 F&G	781.85		778.60 (SW)		779.04
S-118	109+35	32' RT	CB TA 4' DIA T24 F&G	782.14	777.24 (NE)			777.24 (TEMP)
S-118A	109+35	0.7' LT	MH TA 7' DIA T1F CL	782.75	778.39 (NE)	777.09 (SW)	776.08 (SE)	776.09 (NW)
S-119	109+93	8' RT	CB TA 4' DIA T23 F&G	782.83		776.99 (NE)		
S-120	110+20	8' LT	CB TA 4' DIA T23 F&G	782.93	779.33 (NE)	776.93 (SW)		
S-121	110+20	32' LT RD	CB TA 4' DIA T24 F&G (15' T82.45)	782.45		779.45 (SW)		
S-122	110+55	0' RT	MH TA 6' DIA T1F CL	783.60			775.35 (SE)	775.85 (NW)
S-123	110+85	32' RT	CB TA 4' DIA T24 F&G	782.69	776.71 (NE)			
S-124	111+00	32' LT RD	CB TA 4' DIA T24 F&G (15' T82.75)	782.75		779.75 (SW)		
S-125	111+70	32' RT	CB TA 4' DIA T24 F&G	783.01	779.01 (NE)			779.01 (TEMP)
S-126	111+75	32' LT RD	CB TA 4' DIA T24 F&G (15' T83.03)	783.03		779.03 (SW)		
S-126A	111+75	2' LT	MH TA 7' DIA T1F CL	783.98	778.90 (NE)	778.86 (SW)	775.17 (SE)	775.18 (NW)
S-127	112+50	32' LT	CB TA 4' DIA T24 F&G	783.31		780.31 (SW)		
S-128	112+55	32' RT	CB TA 4' DIA T24 F&G	783.32	776.47 (NE)			
S-128A	113+00	50.8' LT	INL TA T8G	782.40		779.90		
S-129	113+25	32' RT	CB TA 4' DIA T24 F&G	783.58	779.58 (NE)			
S-130	113+25	32' LT RD	CB TA 4' DIA T24 F&G (15' T83.58)	783.58	779.77	779.67 (SW)		
S-130A	113+25	2.3' LT	MH TA 6' DIA T1F CL	784.21	779.54 (NE)	779.43 (SW)	774.94 (SE)	774.95 (NW)
S-131	114+10	32' RT	CB TA 4' DIA T24 F&G	783.90	776.23 (NE)			780.72
S-131A	114+00	49' RT	CB TA 4' DIA T8G	783.80			780.80	
S-132	114+00	32' LT	CB TA 4' DIA T24 F&G	783.86		780.86 (SW)		
S-133	114+72	45' RT	CB TA 4' DIA T24 F&G	783.84	779.84 (NE)			
S-134	114+75	32' LT	CB TA 4' DIA T24 F&G	784.12		780.12 (SW)		
S-135	114+85	0' RT	MH TA 6' DIA T1F CL	784.74	779.55 (NE)	779.62 (SW)	774.71 (SE)	774.71 (NW)
S-136	116+40	32' LT	CB TA 4' DIA T24 F&G	784.14		781.14 (SW)		
S-137	116+55	32' RT	CB TA 4' DIA T24 F&G	784.04	775.86 (NE)			
S-138	117+15	32' LT	CB TA 4' DIA T24 F&G	783.90		780.90 (SW)		
S-139	117+35	32' RT	CB TA 4' DIA T24 F&G	783.77	779.77 (NE)			
S-139A	117+35	1.4' LT	MH TA 6' DIA T1F CL	784.77	780.73	779.62 (SW)	774.33 (SE)	774.34 (NW)
S-140	117+95	32' LT	CB TA 4' DIA T24 F&G	783.61		780.61 (SW)		
S-141	118+15	32' RT	CB TA 4' DIA T24 F&G	783.48	775.63 (NE)			
S-142	118+70	32' LT	CB TA 4' DIA T24 F&G	783.33		780.33 (SW)		
S-143	118+95	32' RT	CB TA 4' DIA T24 F&G	783.20	779.20 (NE)			779.20 (TEMP)
S-144	118+95	8' RT	CB TA 4' DIA T23 F&G	783.68	778.98 (NE)	779.08 (SW)		
S-144A	118+95	2.1' LT	MH TA 6' DIA T1F CL	784.15	780.15	778.96 (SW)	774.09 (SE)	774.10 (NW)
S-145	119+60	32' LT	CB TA 4' DIA T24 F&G	783.01		780.01		
S-146	119+75	32' RT	CB TA 4' DIA T24 F&G	782.92	778.92 (NE)			
S-147	119+90	2.6' LT	MH TA 6' DIA T1F CL	783.88	779.82	778.75 (SW)	773.96 (SE)	773.96 (NW)
S-148	120+20	8' LT	CB TA 4' DIA T23 F&G	783.27	779.67 (NE)	775.17 (SW)		
S-149	120+20	32' LT	CB TA 4' DIA T24 F&G	782.79		779.79 (SW)		
S-150	120+45	32' RT	CB TA 4' DIA T24 F&G	782.67	778.67 (NE)			
S-151	120+75	32' LT	CB TA 4' DIA T24 F&G	782.59		779.59 (SW)		
S-151A	120+75	2.1' LT	MH TA 6' DIA T1F CL	783.19	779.46 (NE)	778.46 (SW)	773.83 (SE)	773.84 (NW)
S-152	121+10	32' RT	CB TA 4' DIA T24 F&G	782.44	775.19 (NE)			
S-153	121+30	32' LT	CB TA 4' DIA T24 F&G	782.39		779.39 (SW)		
S-154	122+00	44.1' LT	CB TA 4' DIA T24 F&G	781.90		778.90 (SW)		
S-155	122+01	32' RT	CB TA 4' DIA T24 F&G	782.12	777.18 (NE)	777.28 (EX)		777.18 (TEMP)
S-155A	122+00	1.4' LT	MH TA 6' DIA T1F CL	782.74	778.70 (NE)	777.03 (SW)	773.64 (SE)	773.65 (NW)
S-156	124+10	32' RT	CB TA 4' DIA T24 F&G	781.40	774.73 (NE)			
S-157	124+00	32' LT	CB TA 4' DIA T24 F&G	781.57		777.57 (SW)		
S-158	124+44	32' RT	CB TA 4' DIA T24 F&G	781.36	777.36 (NE)		777.36 (TEMP)	
S-159	124+54	0' RT	MH TA 6' DIA T1F CL	782.14	777.40 (NE)	777.21 (SW)	773.27 (SE)	773.27 (NW)
S-160	124+54	32' LT	CB TA 4' DIA T24 F&G	781.54		777.54 (SW)		
S-161	125+15	32' RT	CB TA 4' DIA T24 F&G	781.50	774.58 (NE)			
S-162	125+25	32' LT	CB TA 4' DIA T24 F&G	781.59		777.59 (SW)		
S-163	125+90	32' RT	CB TA 4' DIA T24 F&G	781.73	777.73 (NE)			
S-164	125+95	32' LT	CB TA 4' DIA T24 F&G	781.74		777.74 (SW)		
S-164A	125+95	1.5' RT	MH TA 6' DIA T1F CL	782.32	777.59 (NE)	777.59 (SW)	773.06 (SE)	773.07 (NW)
S-165	126+75	32' RT	CB TA 4' DIA T24 F&G	781.99	774.33 (NE)			
S-166	126+65	32' LT	CB TA 4' DIA T24 F&G	781.96		777.96 (SW)		
S-167	127+60	32' LT	CB TA 4' DIA T24 F&G	782.25		778.25 (SW)		
S-167A	127+60	3.2' RT	MH TA 6' DIA T1F CL	782.90	778.09 (NE)	778.06 (SW)	772.81 (SE)	772.82 (NW)
S-168	127+45	45' RT	CB TA 4' DIA T24 F&G	782.26		778.26 (NE)		778.26 (TEMP)
S-169	128+30	32' LT	CB TA 4' DIA T24 F&G	782.46		778.46 (SW)		
S-170	128+45	32' RT	CB TA 4' DIA T24 F&G	782.51	774.07 (NE)			
S-171	129+00	32' RT	CB TA 4' DIA T24 F&G	782.67	778.67 (NE)			
S-172	129+00	32' LT	CB TA 4' DIA T24 F&G	782.67		778.67 (SW)		
S-173	129+23	4.9' RT	MH TA 6' DIA T1F CL	783.62	778.47 (NE)	778.51 (SW)	772.57 (SE)	772.57 (NW)

NO.	LENGTH (FOOT)	MATERIAL	TYPE	DIA. (IN)	SLOPE %	TBF (CU. YD.)
P-92	16	SS, WMR	-	12	0.50	2.6
P-93	10	SS, CL A	1	12	0.50	1.3
P-94	43	SS, WMR	-	12	0.50	7.9
P-95	51	SS, WMR	-	12	0.50	11.0
P-96	19	SS, CL A	1	12	0.50	2.5
P-97	31	SS, CL A	1	12	0.50	4.1
P-98	30	SS, CL A	1	12	4.00	4.0
P-99	54	SS, CL A	1	36	0.20	9.1
P-99A	149	SS, CL A	1	36	0.20	25.0
P-100	6	SS, CL A	2	12	0.50	0.9
P-101	29	SS, CL A	2	12	0.50	5.9
P-102	6	SS, CL A	1	12	0.50	0.8
P-103	29	SS, CL A	1	12	0.50	3.8
P-104	53	SS, CL A	2	36	0.20	14.9
P-104A	124	SS, CL A	2	36	0.20	52.1
P-105	29	SS, CL A	2	12	0.50	3.8
P-106	29	SS, CL A	2	12	0.50	3.8
P-107	56	SS, WMR	-	12	0.50	7.4
P-108	31	SS, CL A	2	12	4.00	5.0
P-109	65	SS, CL A	1	12	0.50	8.6
P-109A	14	SS, CL A	1	12	0.50	1.8
P-110	33	SS, CL A	2	12	0.50	6.1
P-111	69	SS, CL A	2	36	0.20	39.3
P-111A	114	SS, CL A	2	36	0.20	87.4
P-112	42	SS, CL A	2	12	0.50	5.5
P-113	29	SS, CL A	2	12	0.50	8.4
P-114	3	SS, CL A	2	12	0.50	1.0
P-115	24	SS, CL A	1	12	0.50	3.2
P-116	2	SS, CL A	2	12	0.50	0.7
P-117	31	SS, CL A	2	12	0.50	11.2
P-118	29	SS, CL A	2	12	11.10	6.2
P-119	114	SS, CL A	2	42	0.15	121.5
P-119A	144	SS, CL A	2	42	0.15	172.8
P-120	31	SS, CL A	2	12	0.50	6.3
P-121	27	SS, CL A	2	12	0.50	5.5
P-122	28	SS, CL A	2	12	14.30	7.2
P-123	32	SS, CL A	2	12	0.50	22.3
P-123A	27	SS, CL A	1	12	0.50	3.6
P-124	26	SS, CL A	2	12	0.50	4.8
P-125	31	SS, CL A	2	12	0.50	6.0
P-125A	154	SS, CL A	2	42	0.15	209.6
P-126	29	SS, CL A	2	12	16.50	8.7
P-127	31	SS, CL A	2	12	0.50	26.8
P-127A	15	SS, WMR	-	12	0.50	2.0
P-128	30	SS, CL A	2	12	0.50	6.5
P-129	44	SS, CL A	2	12	0.50	9.0
P-130	244	SS, CL A	2	42	0.15	371.6
P-130A	154	SS, CL A	2	42	0.15	234.5
P-131	29	SS, CL A	2	12	19.30	9.6
P-132	31	SS, CL A	2	12	0.50	28.6
P-133	34</					

STRUCT. NO.	STATION	OFFSET	STRUCTURE TYPE	RIM	INVERT			
					NORTH	SOUTH	EAST	WEST
S-174	129+80	32' RT	CB TA 4' DIA T24 F&G	782.92	773.86 (NE)			
S-175	129+70	32' RT	CB TA 4' DIA T24 F&G	782.89		778.89 (SW)		
S-176	130+40	32' LT	CB TA 4' DIA T24 F&G	783.10	779.10 (NE)			
S-177	130+40	32' LT	CB TA 4' DIA T24 F&G	783.10		779.10 (SW)		
S-177A	130+40	3.8' RT	MH TA 6' DIA TIF CL	783.64	778.94 (NE)	778.98 (SW)	772.39 (SE)	772.40 (NW)
S-178	134+00	32' RT	CB TA 4' DIA T24 F&G	779.71		775.62	775.71 (NE)	
S-179	134+00	32' LT	CB TA 4' DIA T24 F&G	779.62		775.62		
S-180	134+25	0' RT	MH TA 6' DIA TIF CL	779.58	775.43	770.72	775.52 (SW)	771.82 (NW)
S-181	134+80.5	73.3' RT	FES 42"			770.60		
S-182	136+50	23' RT	CB TA 4' DIA T24 F&G	771.34		767.34 (SE)		
S-183	136+50	34' LT	CB TA 4' DIA T24 F&G	771.25		767.25 (SE)		
S-184	136+86.9	40.6' LT	MH TA 5' DIA TIF CL	770.05	765.70 (NE)	765.70 (SW)		767.09 (NW)
S-185	136+87	23' RT	MH TA 5' DIA TIF CL	770.27	765.32 (NE)	765.22 (SW)		767.18 (NW)
S-186	136+86.5	67.2' RT	FES 36"			765.00 (SW)		
S-187	137+08.2	76.2' RT	FES 24"		764.50 (NW)			
S-188	137+25.3	74.5' RT	MH TA 6D W/2 TIFOL RP	768.50	764.48 (NW)	763.50 (SE)		
S-189	137+47.5	76' RT	FES 24"			763.46 (SE)		
S-190	138+49	39' RT	CB TA 4' DIA T24 F&G	768.19		765.19 (SE)		
S-191	138+50	52.4' LT	CB TA 4' DIA T8G	768.87		765.87 (SE)		
S-192	138+55	74' RT	FES 18"		763.44 (NW)			
S-193	138+80	67' RT	MH TA 6D W/2 TIFOL RP	768.00	763.50 (NW)	764.45 (SE)		
S-194	138+80	39' RT	CB TA 4' DIA T24 F&G	768.40	764.76 (NE)	764.66 (SE)		765.06 (NW)
S-195	138+80	25.6' LT	MH TA 4' DIA TIF CL	768.78	765.08 (NE)	764.98 (SW)	766.31 (EX)	
S-196	138+80	34' LT	CB TA 4' DIA T24 F&G	768.61	765.72 (NW)	765.11 (SW)		
S-197	139+00	76' RT	FES 18"			764.50 (SE)		
S-198	139+25.4	73.5' RT	FES 18"			764.50 (SE)		
S-199	140+49	39' RT	CB TA 4' DIA T24 F&G	772.00		768.89 (NE)		
S-200	140+49.7	7.7' LT	CB TA 4' DIA T23 F&G	772.76	768.57 (EX)	768.59 (EX)		
S-201	140+50	34' LT	CB TA 4' DIA T24 F&G	772.26		768.26 (SW)	768.30 (EX NE)	
S-202	144+80	32' LT	CB TA 4' DIA T24 F&G	772.36		769.36 (SW)		
S-203	144+04.1	27.7' RT	CB TA 4' DIA T24 F&G	774.15	768.90 (NE)	768.90 (SE)		
S-204	144+78.6	85.7' RT	CB TA 4' DIA T23 F&G	775.25			772.67	772.67
S-205	144+84.8	85.2' RT	CB TA 4' DIA T8G	775.59				772.68
S-206	145+39.4	30.9' RT	MH TA 4' DIA TIF CL	771.25	765.58 (NW)	764.44 (SE)		
S-207	146+15	25' RT	CB TA 4' DIA T24 F&G	768.66	764.92 (NE)	764.92 (SW)		
S-208	146+15	32' LT	CB TA 4' DIA T24 F&G	768.47		765.21 (SE)		
S-209	146+34	35.3' RT	MH TA 6D W/2 TIFOL RP	768.40	764.08 (NW)	764.06 (SE)		
S-210	146+53.8	42' RT	FES 15"			764.00 (SE)		
S-211	147+88.9	29.1' RT	MH TA 4' DIA TIF CL	766.35	762.36 (EX NW)	762.36 (SE)		
S-212	148+15	32' LT	CB TA 4' DIA T24 F&G	765.90	762.78 (SW)	762.78 (SE)		
S-213	148+18	25' RT	CB TA 4' DIA T24 F&G	765.95	762.49 (NW)	762.49 (SE)	762.49 (NE)	
S-214	148+28	25' RT	CB TA 4' DIA T24 F&G	765.98	762.52 (NW)			
S-215	148+87	10' LT	CB TA 4' DIA T3 F&G	766.59	763.16 (NW)			
S-216	149+15.6	57.2' LT	FES 24"			767.12 (NW)		
S-217	149+15.6	60.2' LT	FES 24"			767.12 (NW)		
S-218	150+06.4	57.2' LT	FES 24"				769.10 (SE)	
S-219	150+06.4	60.3' LT	FES 24"				769.10 (SE)	
S-220	150+08.9	64' LT	FES 12"				769.20 (SW)	
S-221	150+10	25' RT	CB TA 4' DIA T24 F&G	768.38	766.18 (NE)	766.18 (SE)		
S-222	150+10	10' LT	CB TA 4' DIA T3 F&G	768.77		766.34 (SW)		
S-223	150+33	29.8' RT	MH TA 4' DIA TIF CL	769.34	766.08 (NW)	766.08 (SE)		
S-224	150+62.5	62.4' RT	FES 24"					765.30
S-225	150+77	62.4' RT	MH TA 6D W/2 TIFOL RP	769.00			765.32	765.32
S-226	150+93.2	51.2' RT	FES 24"				765.34	
S-227	151+05	10' LT	CB TA 4' DIA T23 F&G	771.82		767.82		
S-228	151+21.1	51' RT	FES 24"		765.50 (NW)			
S-229	151+37	50.2' RT	MH TA 4' DIA TIF CL	770.49	765.53 (NW)	765.53 (NE)		
S-230	151+40	30.1' RT	MH TA 4' DIA TIF CL	772.90	767.59	765.57 (SW)	768.81 (EX SE)	765.57 (NW)
S-231	152+00	27.3' RT	CB TA 4' DIA T24 F&G	774.88	771.19 (NE)	770.98 (SW)		
S-232	152+00	9.1' LT	CB TA 4' DIA T23 F&G	775.35		771.35 (SW)		
S-233	152+62.5	30.7' RT	MH TA 4' DIA TIF CL	777.58	772.89 (NW)	772.89 (SE)	774.66	
S-234	152+95	8.2' LT	CB TA 4' DIA T23 F&G	778.88				774.88
S-235	155+17.2	45' RT	CB TA 4' DIA T24 F&G	785.43	781.43 (NE)			
S-236	155+21.7	5' RT	CB TA 4' DIA T23 F&G	786.17	782.18 (EX NE)	782.16 (EX SW)		
S-237	155+22	30' LT	CB TA 4' DIA T24 F&G	786.88	782.65 (NE)	782.65 (SW)		
S-238	155+20	53' LT	CB TA 4' DIA T8G	785.26		782.73 (SW)		
S-239	156+05	5' RT	CB TA 4' DIA T23 F&G	788.05		782.10 (SW)		
S-240	156+15	53' LT	CB TA 4' DIA T8G	787.52		784.52 (SW)		
S-241	156+91.6	2.2' RT	CB TA 4' DIA T23 F&G	789.51	785.51 (EX NE)	785.46 (EX SW)		
S-242	156+92	30' LT	CB TA 4' DIA T24 F&G	790.16		786.16 (SW)		787.10
S-242A	157+10	51' LT	CB TA 4' DIA T8G	790.10				
S-243	157+00	32' RT	CB TA 4' DIA T24 F&G	789.46	785.46 (NW)			
S-244	157+85	5' LT	CB TA 4' DIA T23 F&G	790.53		783.52 (SW)		
S-245	158+80	8' LT	CB TA 4' DIA T23 F&G	790.94		783.90 (SW)		
S-246	159+38	49' LT	CB TA 4' DIA T8G	791.50		788.50 (SW)		
S-247	159+80	8' LT	CB TA 4' DIA T23 F&G	791.27		787.27 (SW)		
S-248	159+95	32' RT	CB TA 4' DIA T24 F&G	790.07	787.08 (NE)	784.00 (EX SE)		784.00 (EX NW)
S-249	160+10	49' LT	CB TA 4' DIA T8G	791.65		788.65 (SW)		
S-250	160+95	32' RT	CB TA 4' DIA T24 F&G	789.75	786.35 (NE)	786.04	784.56 (EX SE)	784.56 (EX NW)
S-250A	161+00	49' RT	CB TA 4' DIA T8G	789.10		786.10		
S-251	160+95	8' RT	CB TA 4' DIA T23 F&G	790.47		786.47 (SW)		
S-252	161+02	49' LT	CB TA 4' DIA T8G	791.90		788.90 (SW)		
S-253	161+77.7	49' LT	CB TA 4' DIA T8G	791.70		788.70 (SW)		
S-254	161+95	32' RT	CB TA 4' DIA T24 F&G	789.45	784.99 (EX NW)	784.99 (EX SE)	787.01	
S-255	162+15	8' LT	CB TA 4' DIA T23 F&G	791.21				787.21
S-256	162+48.2	37' RT	CB TA 4' DIA T8G	789.78	785.78	786.08 (SE)		
S-257	162+75	49' LT	CB TA 4' DIA T8G	791.40				787.40
S-258	162+83	32' RT	CB TA 4' DIA T24 F&G	789.33		786.50 (SE)		
S-259	162+93	37.6' RT	CB TA 4' DIA T8G	789.77	786.36 (NW)	786.46 (SE)	786.46 (NE)	
S-260	162+93	32' RT	CB TA 4' DIA T24 F&G	789.33	786.47 (NE)	786.47 (SW)		786.47 (NW)
S-261	162+93	3.3' RT	CB TA 4' DIA T3 F&G	790.19		786.62 (SW)		786.62 (SE)
S-262	163+10	8' LT	CB TA 4' DIA T23 F&G	790.93	786.69 (NW)			
S-263	163+18	49' LT	CB TA 4' DIA T8G	791.20				787.20
S-264	163+70	37.5' RT	CB TA 4' DIA T8G	789.84	786.82 (NW)	786.92 (SE)	786.92	
S-265	164+06	8' LT	CB TA 4' DIA T23 F&G	790.78				787.19
S-266	164+45	32' RT	CB TA 4' DIA T24 F&G	789.86		787.33 (SW)		

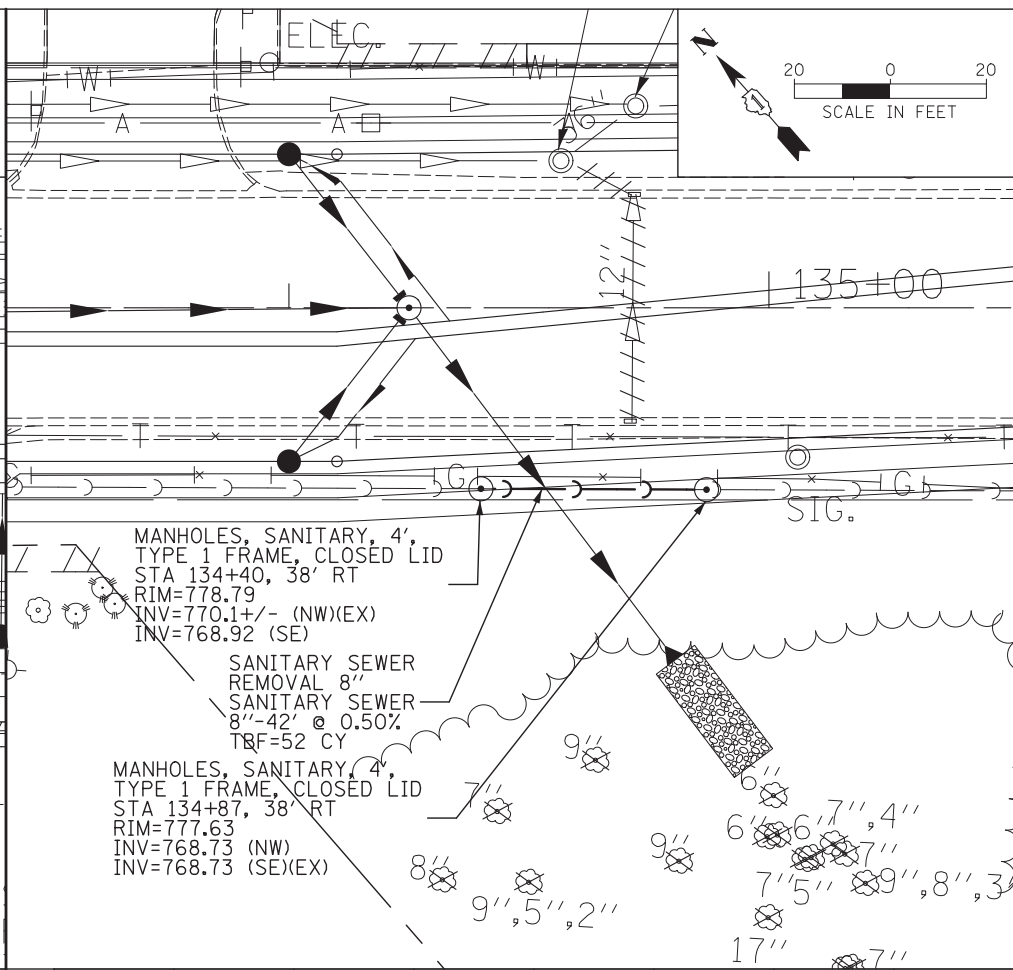
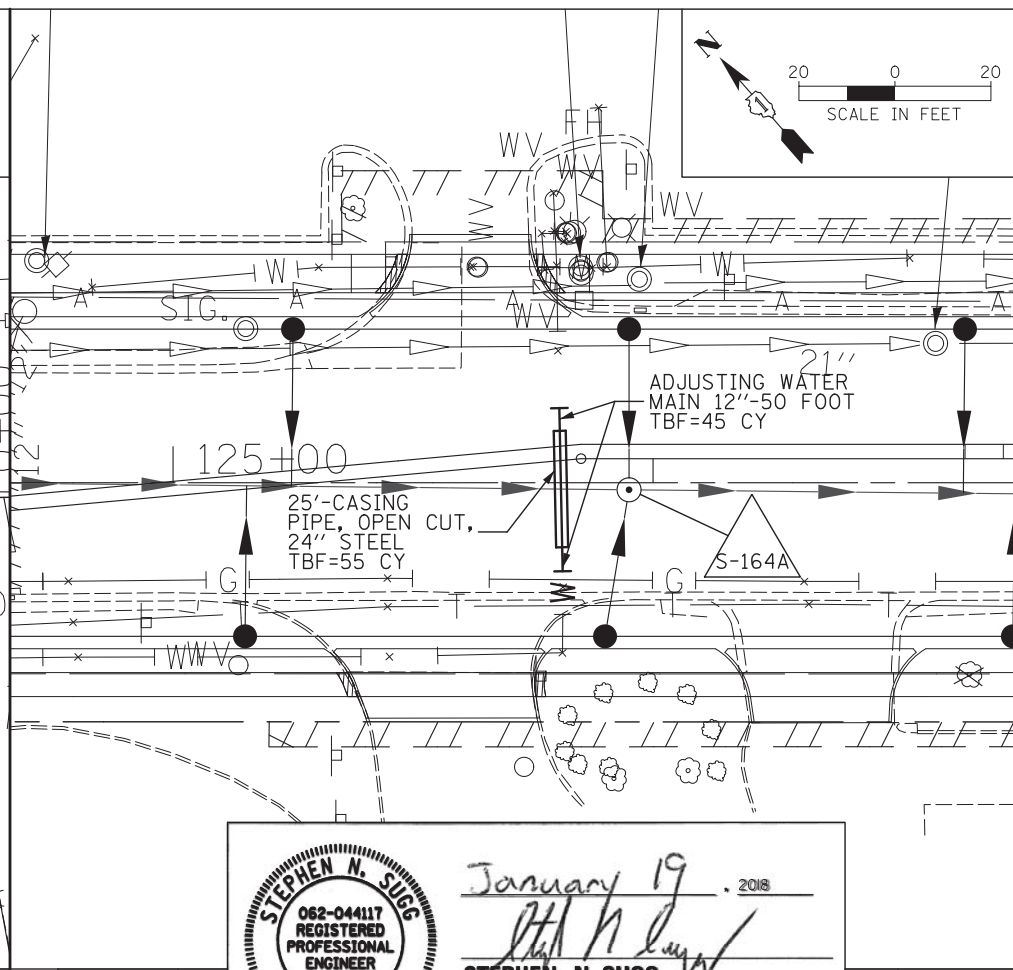
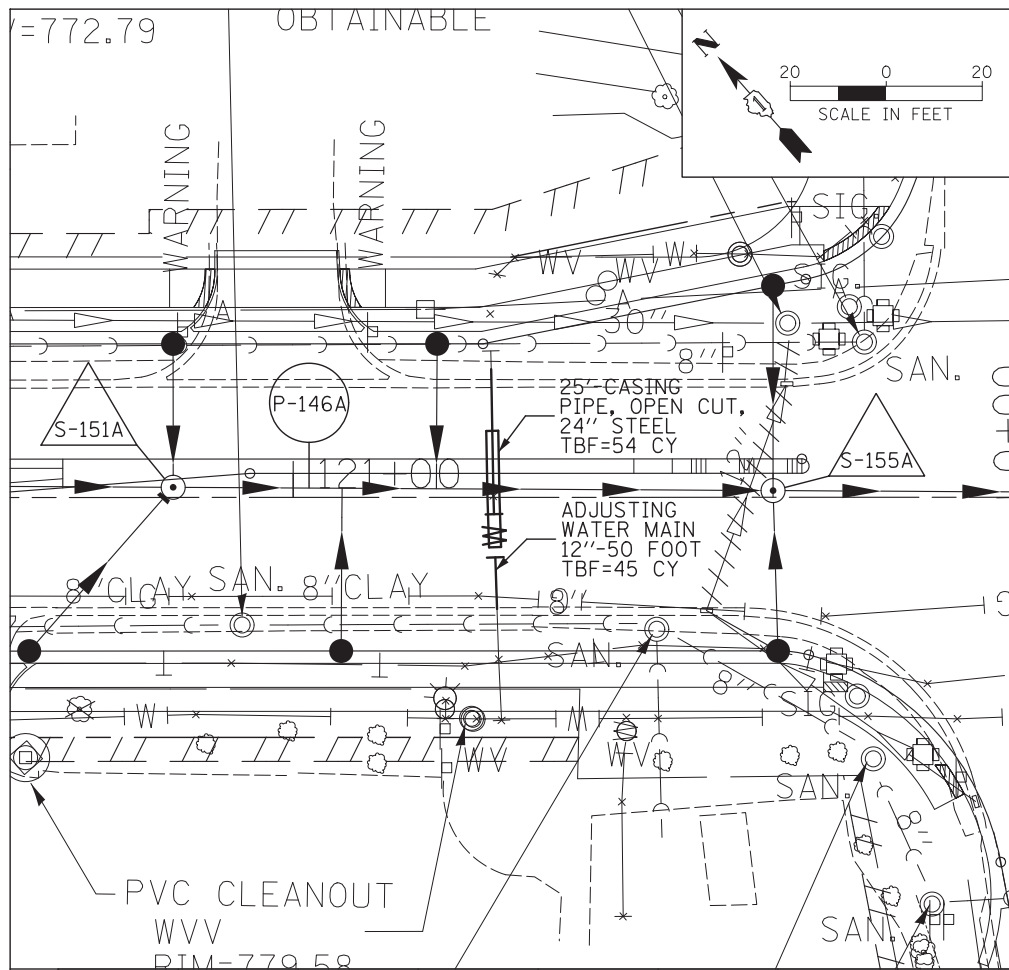
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P-172A	379	SS, CL A	2	42	0.15	505.8
P-173	38	SS, CL A	2	12	0.50	5.8
P-174	38	SS, CL A	2	12	0.50	6.2
P-175	81	SS, CL A	2	42	0.15	92.9
P-176	33	SS, CL A	1	12	0.50	4.4
P-177	2	SS, CL A	1	36	0.20	0.3
P-178	59	SS, CL A	1	36	0.63	9.9
P-179	34	SS, CL A	1	12	0.50	4.5
P-180	34	SS, CL A	1	36	0.63	5.7
P-181	8	SS, CL A	1	24	0.30	-
P-182	13	SS, CL A	1	24	0.30	-
P-183	27	SS, CL A	1	12	0.50	3.6
P-184	30	SS, WMR	-	12	0.50	4.0
P-185	6	SS, CL A	1	12	0.50	0.8
P-186	62	SS, CL A	1	18	0.50	6.5
P-187	48	SS, CL A	1	18	0.35	5.0
P-188	17	SS, CL A	1	18	0.35	-
P-189	13	SS, CL A	1	18	0.35	-
P-190	15	SS, CL A	1	12	0.50	2.0
P-191	3	SS, CL A	2	12	0.50	0.5
P-192	96	SS, WMR	-	12	0.50	15.6
P-193	2	SS, CL A	1	12	0.50	0.3
P-194	2	SS, CL A	1	12	0.50	0.3
P-195	133	SS, WMR	-	12	2.50	39.8
P-196	89	SS, CL A	2	30	0.40	26.2
P-197	57	SS, CL A	1	12	0.50	7.5
P-198	4	SS, CL A	1	15	0.50	0.5
P-199	12	SS, CL A	2	15	0.50	2.1
P-200	26	PCBC 5x3	-	5'x3'	0.01	-
P-201	6	PCBC 5x3	-	5'x3'	1.00	-
P-202	25	SS, CL A	1	12	0.50	3.3
P-203	6	SS, CL A	1	12	0.50	0.8
P-204	57	SS, CL A	1	12	0.50	7.5
P-205	75	SS, CL A	1	12	0.50	9.9
P-206	79	SS, CL A	1	24	2.50	20.9
P-207	79	SS, CL A	1	24	2.50	20.9
P-208	31	SS, CL A	1	12	0.50	4.1
P-209	20	SS, CL A	1	12	0.50	2.6
P-210	100	SS, CL A	2	15	0.50	29.4
P-211	6	SS, CL A	1	24	0.30	-
P-212	11	SS, CL A	1	24	0.30	-
P-213	46	SS, CL A	2	12	0.50	9.9
P-214	16	SS, CL A	2	24	0.30	6.4
P-215	9	SS, CL A	1	24	0.30	-
P-216	32	SS, CL A	1	12	0.50	4.2
P-217	1	SS, CL A	1	12	0.50	0.1
P-218	44	SS, CL A	1	12	0.50	5.8
P-219	18	SS, CL A	2	12	0.50	3.1
P-220	17	SS, WMR	-	12	0.50	2.2
P-221	6	SS, CL A	2	12	0.50	1.0
P-222	19	SS, CL A	2	12	0.50	6.7
P-223	18	SS, WMR	-	12	0.50	2.4
P-224	7	SS, CL A	1	12	0.50	1.1
P-224A	23	SS, WMR	-	12	0.50	3.0
P-225	7	SS, CL A	2	12	0.50	1.4
P-226	6	SS, CL A	2	12	0.50	1.0
P-227	32	SS, CL A	2	12	0.50	23.3
P-228	37	SS, CL A	2	12	0.50	




January 19, 2018
 Stephen N. Sugg
 ILLINOIS REGISTRATION NO. 062-044117
 EXPIRATION DATE: 11/30/19

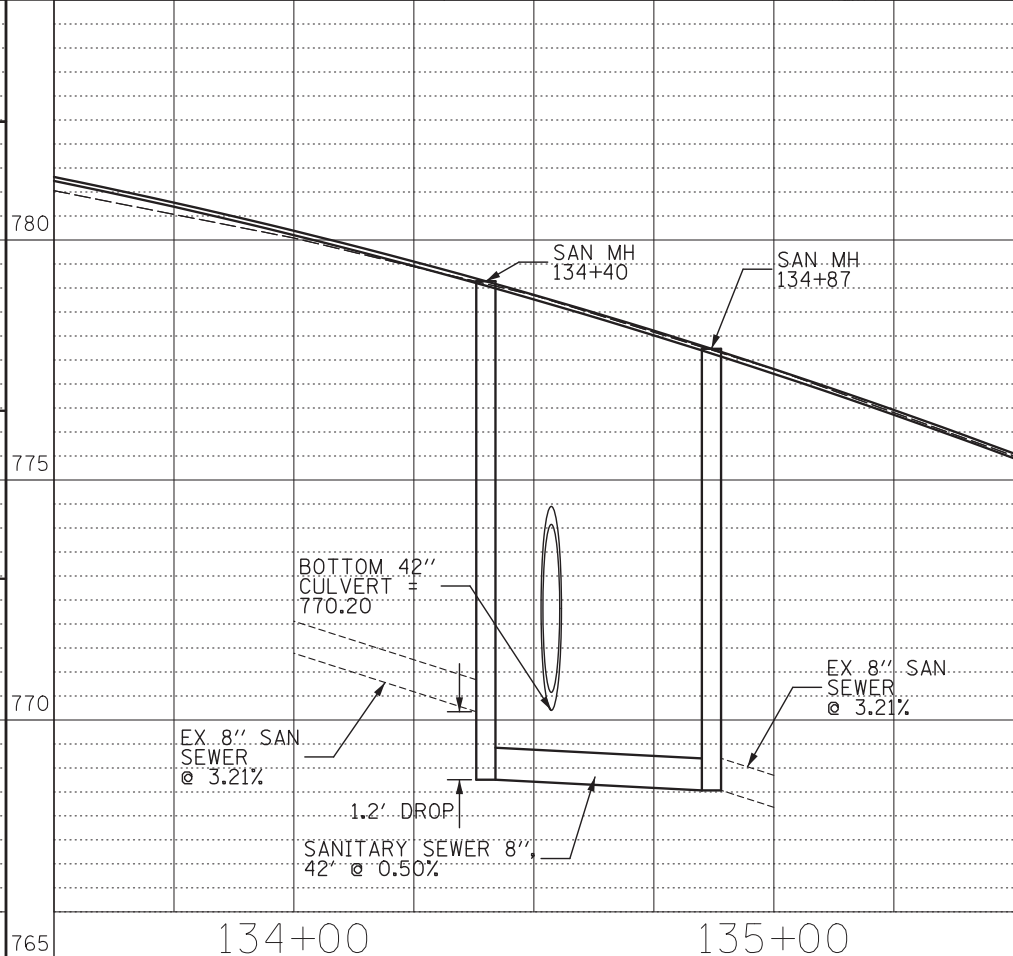
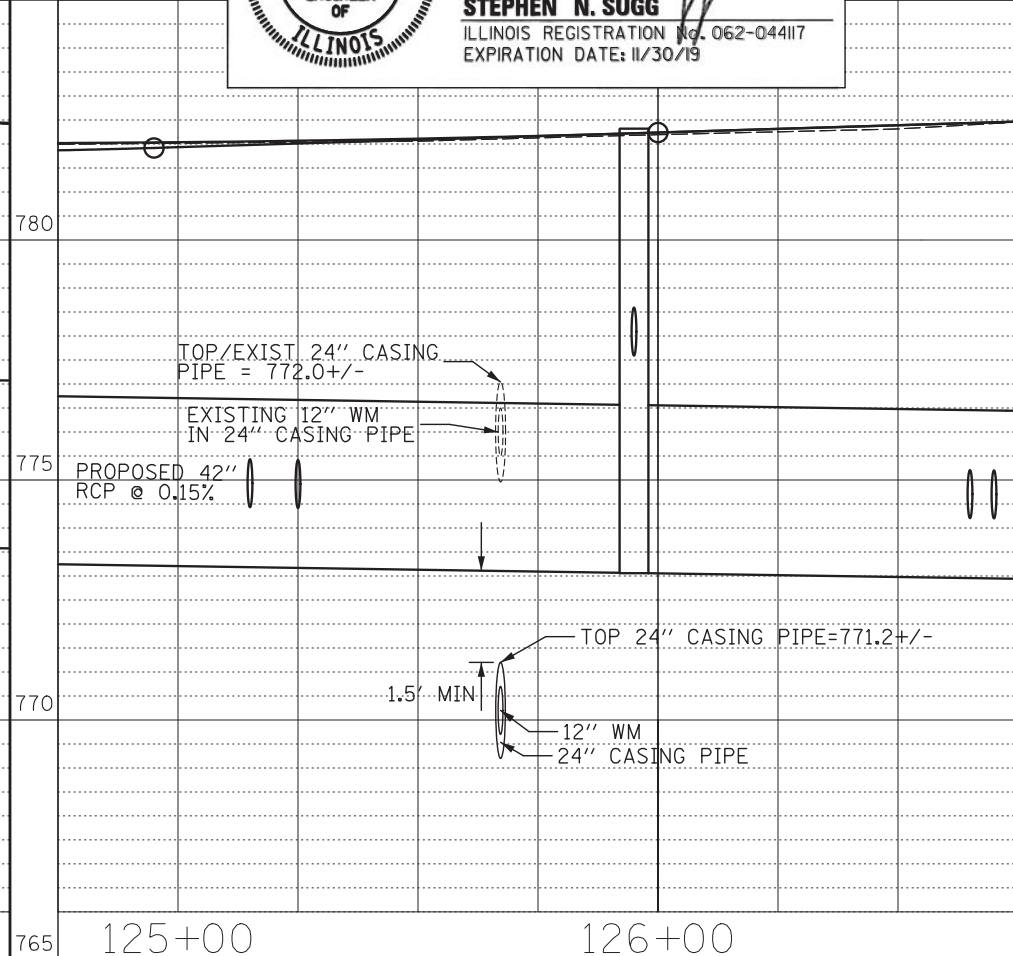
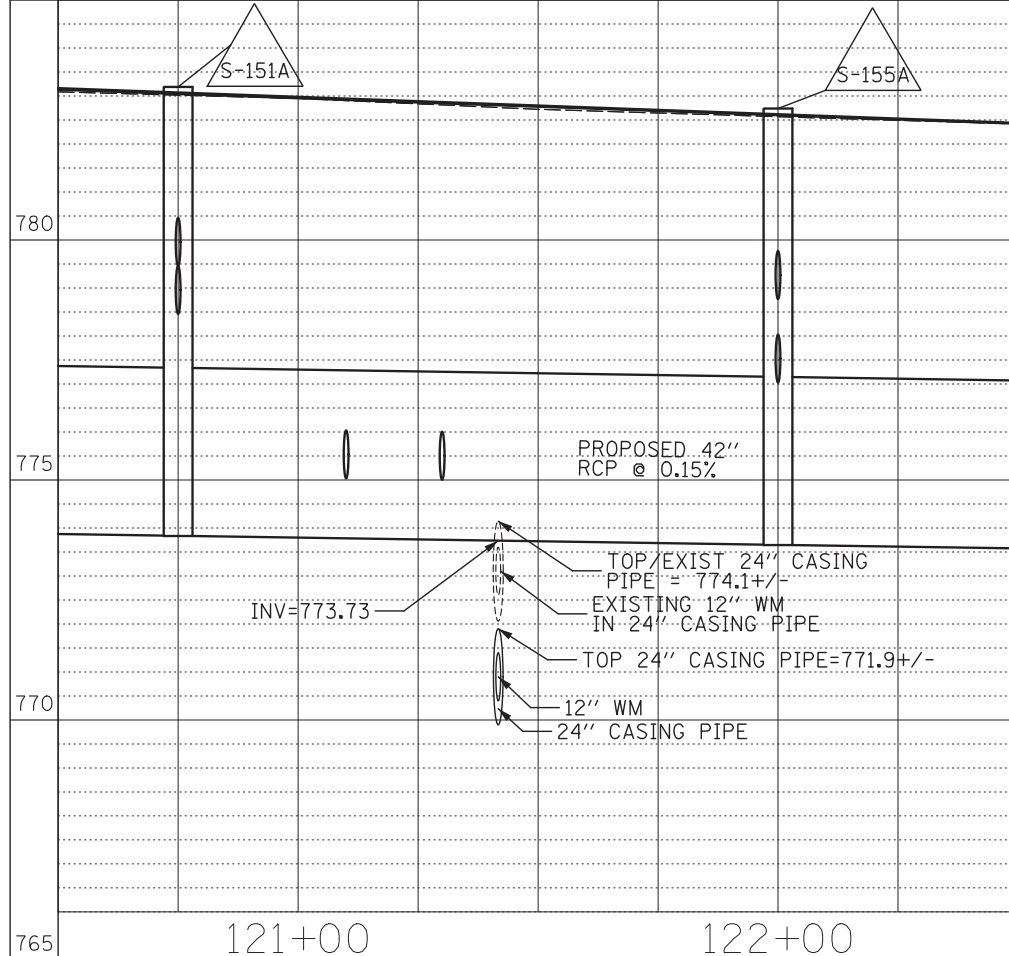


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PLOT SCALE = 28'	CHECKED - SNS	REVISOR -	CONTRACT NO. 60V55							
DATE - 1/19/2018	DATE - 1/19/2018	REVISOR -	ILLINOIS FED. AID PROJECT							





 January 19, 2018
Stephen N. Sugg
STEPHEN N. SUGG
 ILLINOIS REGISTRATION NO. 062-04417
 EXPIRATION DATE: 11/30/19



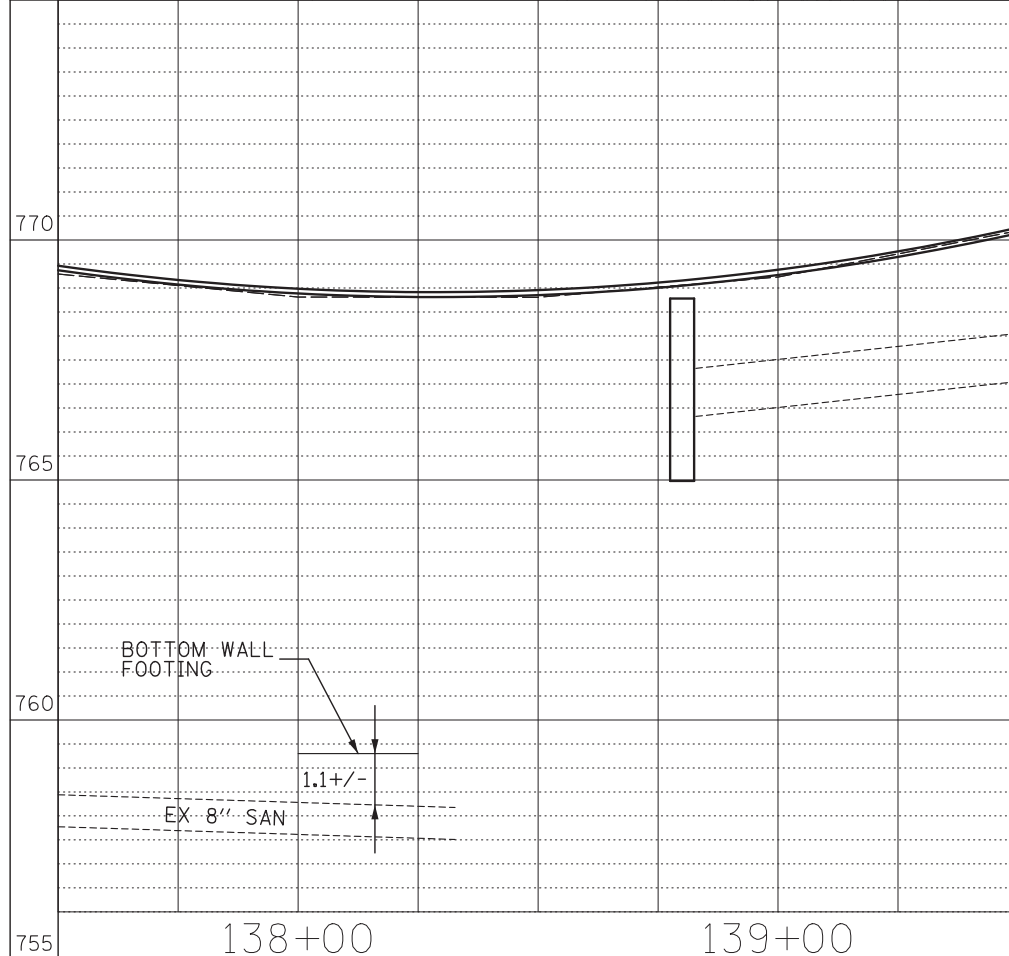
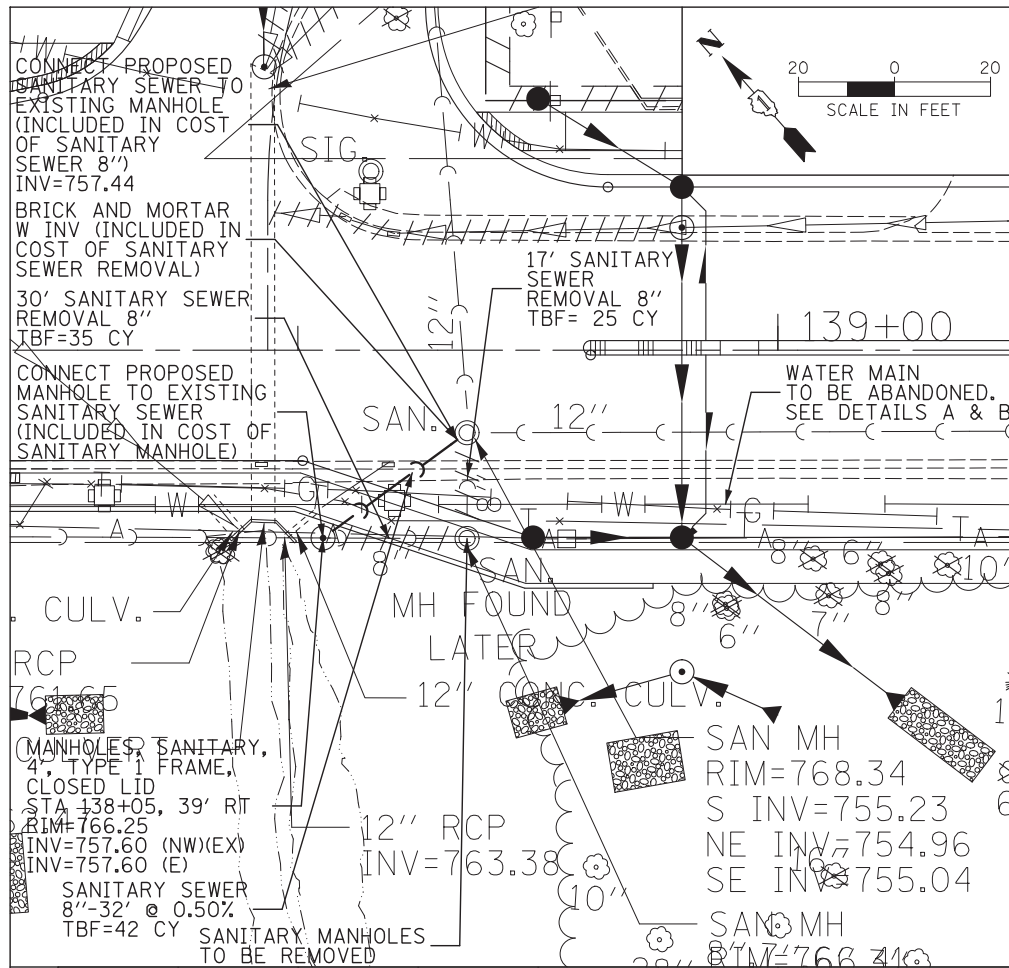
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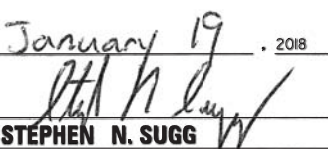
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

UTILITY CONFLICT PLANS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 541	SECTION A-WRS-2	COUNTY LAKE	TOTAL SHEETS 345	SHEET NO. 122C
			CONTRACT NO. 60V55	
ILLINOIS FED. AID PROJECT				




 January 19, 2018

STEPHEN N. SUGG
 ILLINOIS REGISTRATION No. 062-044117
 EXPIRATION DATE: 11/30/19

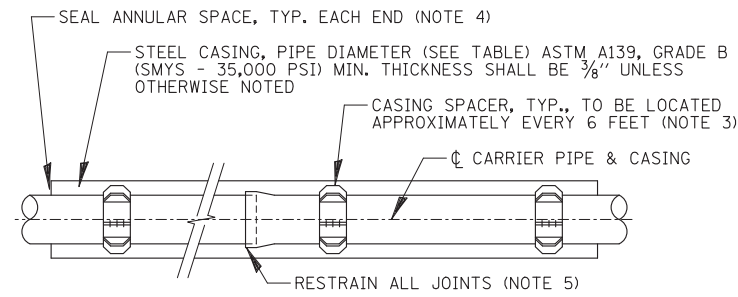
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	PLOT DATE = 1/23/2018	DATE - 1/19/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

UTILITY CONFLICT PLANS

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	122D
CONTRACT NO. 60V55			ILLINOIS FED. AID PROJECT	



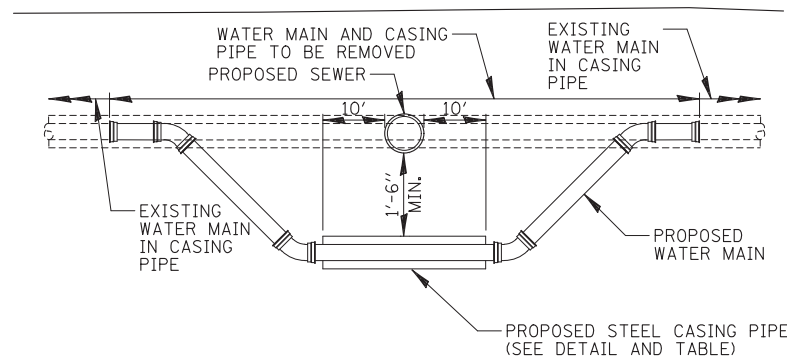
CARRIER PIPE DIA.	STEEL CASING PIPE DIA.	
	PVC	D.I.P.
6"	18"	18"
8"	20"	20"
10"	24"	24"
12"	24"	24"
14"	28"	28"
15"/16"	30"	30"
18"	30"	30"
24"	36"	36"
30"	42"	42"

NOTES:

1. STEEL CASING SHALL BE ONE CONTINUOUS SECTION.
2. SMYS-SPECIFIC MINIMUM YIELD STRENGTH.
3. CASING SPACERS TO BE CASCADE MODEL CSS OR APPROVED EQUAL.
4. CASING END SEALS TO BE CASCADE MODEL CCES END SEALS OR APPROVED EQUAL. MORTARING OF CASING ENDS SUBJECT ONLY TO PRE-APPROVAL.
5. FOR DUCTILE IRON PIPE, ALL PUSH JOINTS IN CASING SHALL HAVE "FIELD LOCK GASKETS". FOR PVC PIPE, ALL JOINTS SHALL BE RESTRAINED USING MEGALUG RESTRAINT DEVICES OR APPROVED EQUAL.

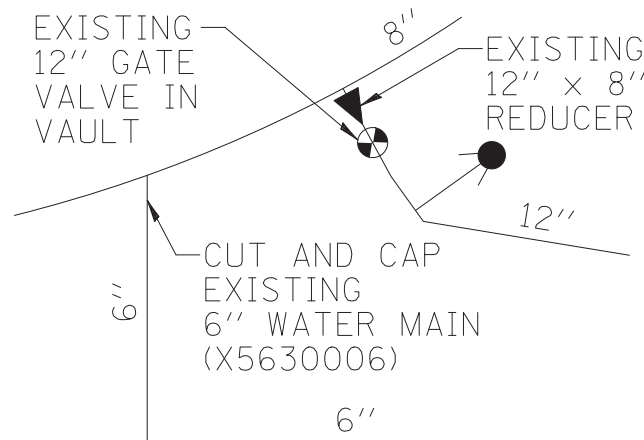
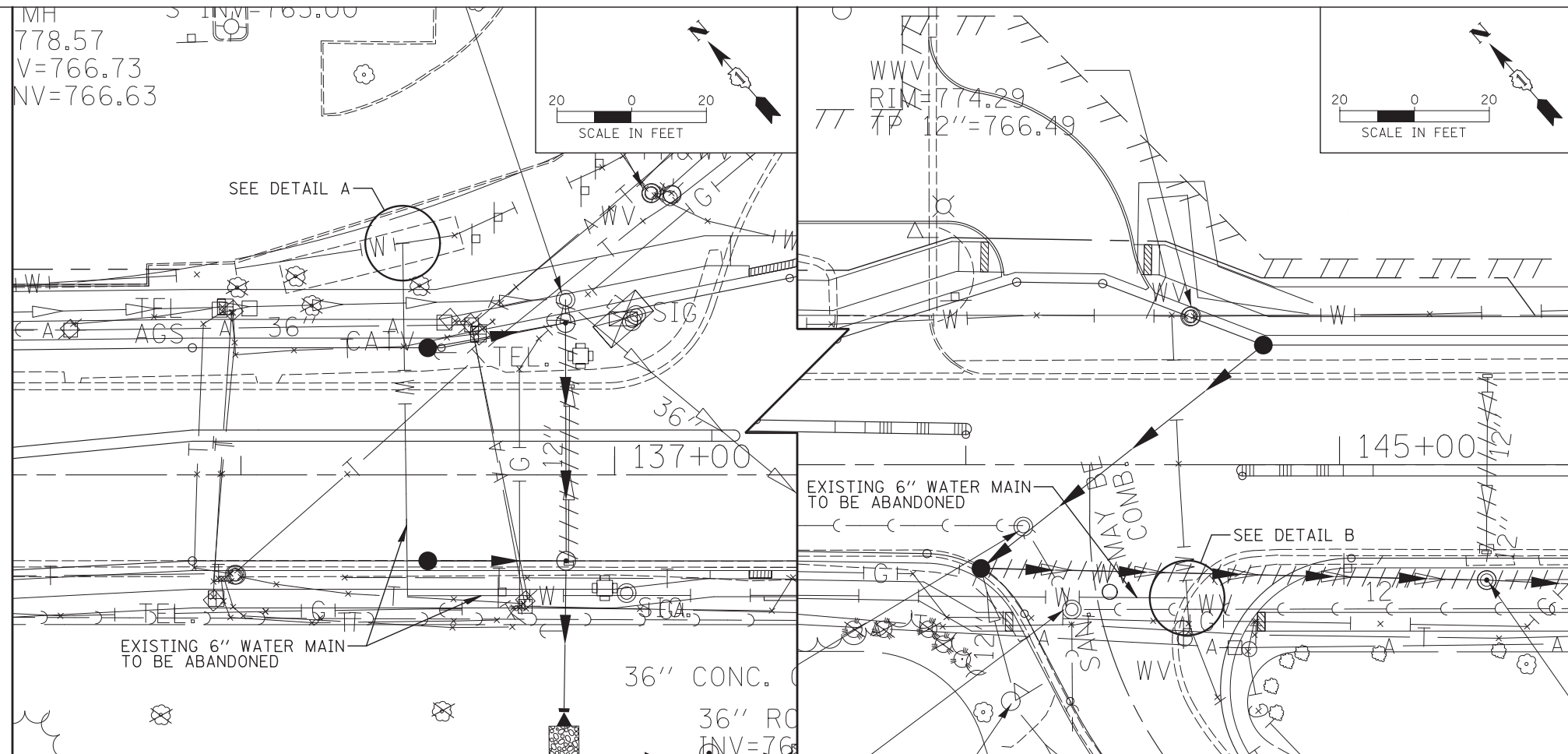
STEEL CASING PIPE DETAIL

N.T.S.

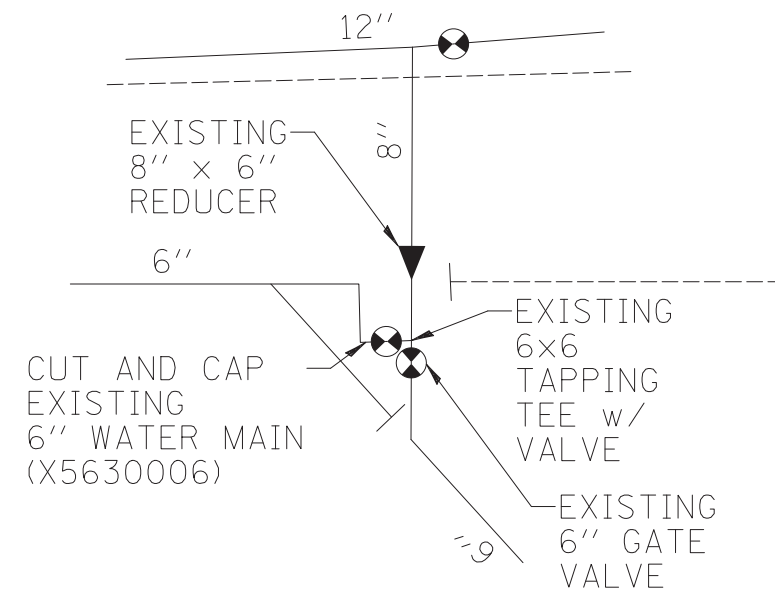


ADJUSTING WATER MAIN


N.T.S.



DETAIL A
STA. 136 + 45



DETAIL B
STA. 144 + 60


 January 19, 2018
Stephen N. Sugg
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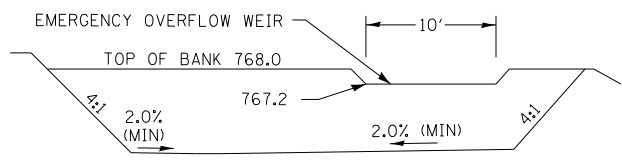
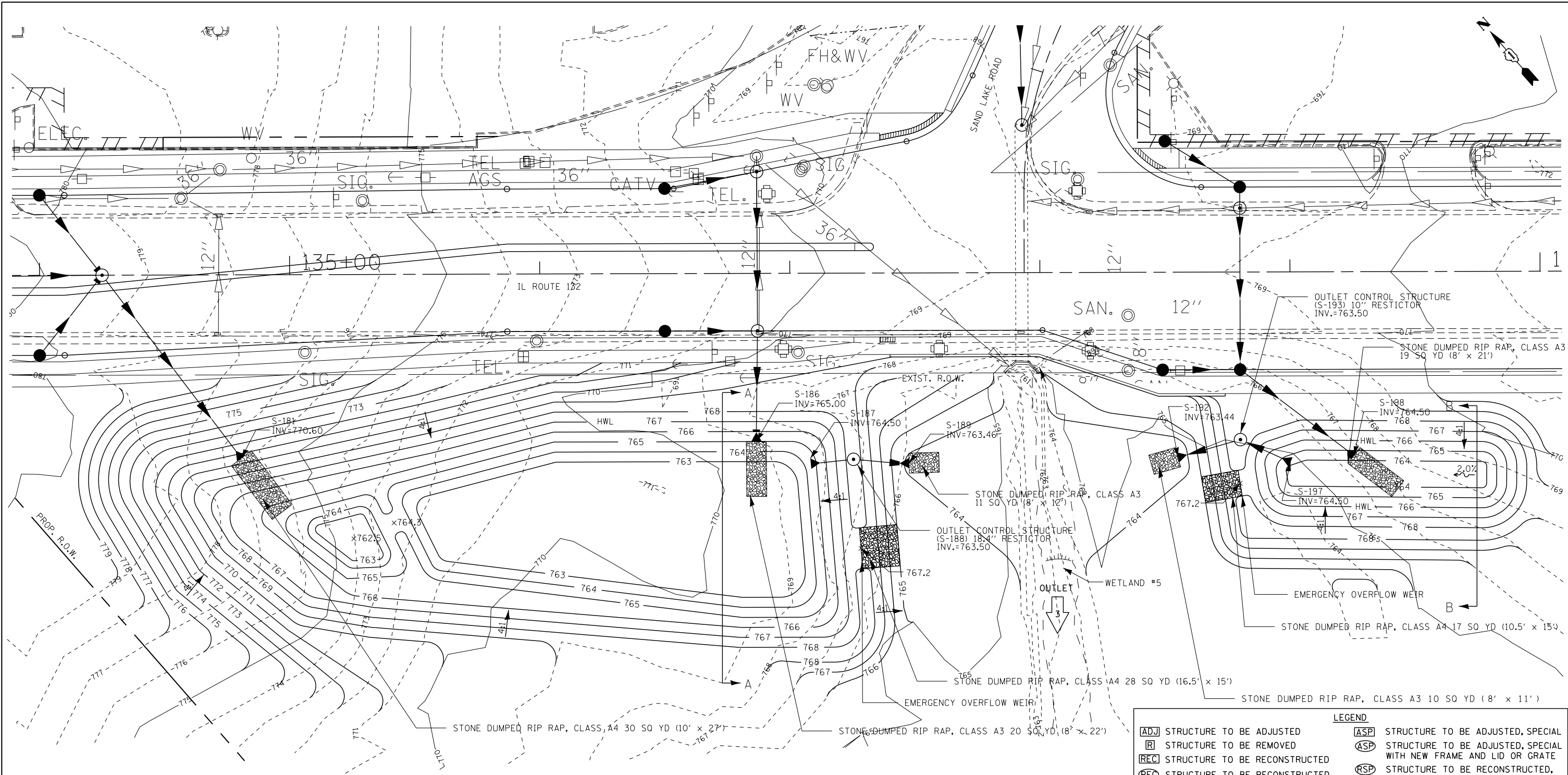
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

UTILITY CONFLICT DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	122E
CONTRACT NO. 60V55			ILLINOIS FED. AID PROJECT	

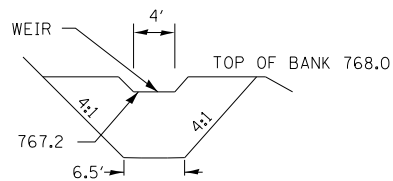


SECTION A-A
NTS

BASIN 3A	
WATER SURFACE ELEVATION	DETENTION BASIN STORAGE VOLUME (AC-FT)
762.5	0.000
763.0	0.041
764.0	0.224
765.0	0.455
766.0	0.744
767.0 (HWL)	1.099

BASIN 3B	
WATER SURFACE ELEVATION	DETENTION BASIN STORAGE VOLUME (AC-FT)
763.5	0
764.0	0.005
765.0	0.032
766.0 (HWL)	0.078

LEGEND	
[ADJ] STRUCTURE TO BE ADJUSTED	[ASP] STRUCTURE TO BE ADJUSTED, SPECIAL
[R] STRUCTURE TO BE REMOVED	[ASP] STRUCTURE TO BE ADJUSTED, SPECIAL WITH NEW FRAME AND LID OR GRATE
[REC] STRUCTURE TO BE RECONSTRUCTED	[RSP] STRUCTURE TO BE RECONSTRUCTED, SPECIAL WITH NEW FRAME AND LID OR GRATE
[REC] STRUCTURE TO BE RECONSTRUCTED WITH NEW FRAME AND LID OR GRATE	[RSP] STRUCTURE TO BE RECONSTRUCTED, SPECIAL WITH NEW FRAME AND LID OR GRATE
[ADJ] STRUCTURE TO BE ADJUSTED WITH NEW FRAME AND LID OR GRATE	##### PIPE REMOVAL
[C] SEWER TO BE CLEANED	— PIPE UNDERDRAIN



SECTION B-B
NTS

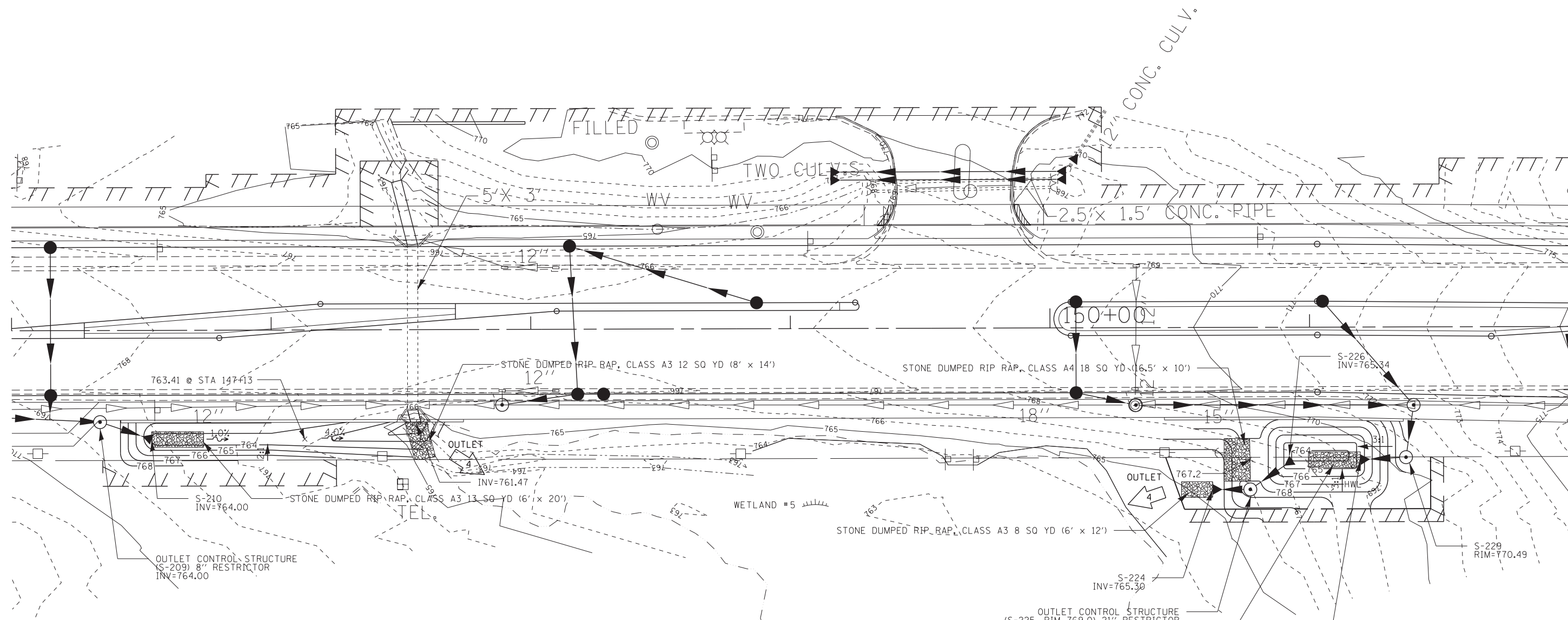
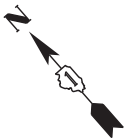
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		DATE - 4/28/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETENTION BASIN PLAN
PONDS 3A & 3B

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. 541	SECTION A-WRS-2	COUNTY LAKE	TOTAL SHEETS 345	SHEET NO. 123
CONTRACT NO. 60V55				ILLINOIS FED. AID PROJECT



WATERWAY INFORMATION TABLE

DRAINAGE AREA = 0.996 SQ. MI.				EXISTING OVERTOPPING ELEV. 766.20 @ STA. 148+00 PROPOSED OVERTOPPING ELEV. 766.53 @ STA. 148+00					
FLOOD	FREQ. YR.	EXIST. DISCHARGE (CFS)	PROP. DISCHARGE (CFS)	WATERWAY OPENING (SQ FT)	NATURAL H. W. E. (FT)	EXISTING HEAD (FT)	PROPOSED HEAD (FT)	EXISTING H. W. E. (FT)	PROPOSED H. W. E. (FT)
DESIGN	10	27.1	26.7	15.0	-	-	-	763.41	763.33
BASE	50	54.2	53.5	15.0	-	-	-	763.87	763.58
	100	71.9	70.9	15.0	-	-	-	764.33	763.82
MAX. CALC.	500	108.0	106.0	15.0	-	-	-	765.69	764.54

10-YEAR VELOCITY THROUGH EXISTING STRUCTURE = 1.81 FT/S
 10-YEAR VELOCITY THROUGH PROPOSED STRUCTURE = 1.91 FT/S
 2-YEAR FLOW RATE = 17.0 CFS

LEGEND	
[ADJ] STRUCTURE TO BE ADJUSTED	[ASP] STRUCTURE TO BE ADJUSTED, SPECIAL
[R] STRUCTURE TO BE REMOVED	[ASP] STRUCTURE TO BE ADJUSTED, SPECIAL WITH NEW FRAME AND LID OR GRATE
[REC] STRUCTURE TO BE RECONSTRUCTED	[RSP] STRUCTURE TO BE RECONSTRUCTED, SPECIAL WITH NEW FRAME AND LID OR GRATE
[REC] STRUCTURE TO BE RECONSTRUCTED WITH NEW FRAME AND LID OR GRATE	##### PIPE REMOVAL
[ADJ] STRUCTURE TO BE ADJUSTED WITH NEW FRAME AND LID OR GRATE	--- PIPE UNDERDRAIN
[C] SEWER TO BE CLEANED	

BASIN 4C	
WATER SURFACE ELEVATION	DETENTION BASIN STORAGE VOLUME (AC-FT)
763.5	0.000
764.0	0.001
765.0	0.005
766.0	0.014
767.0 (HWL)	0.030

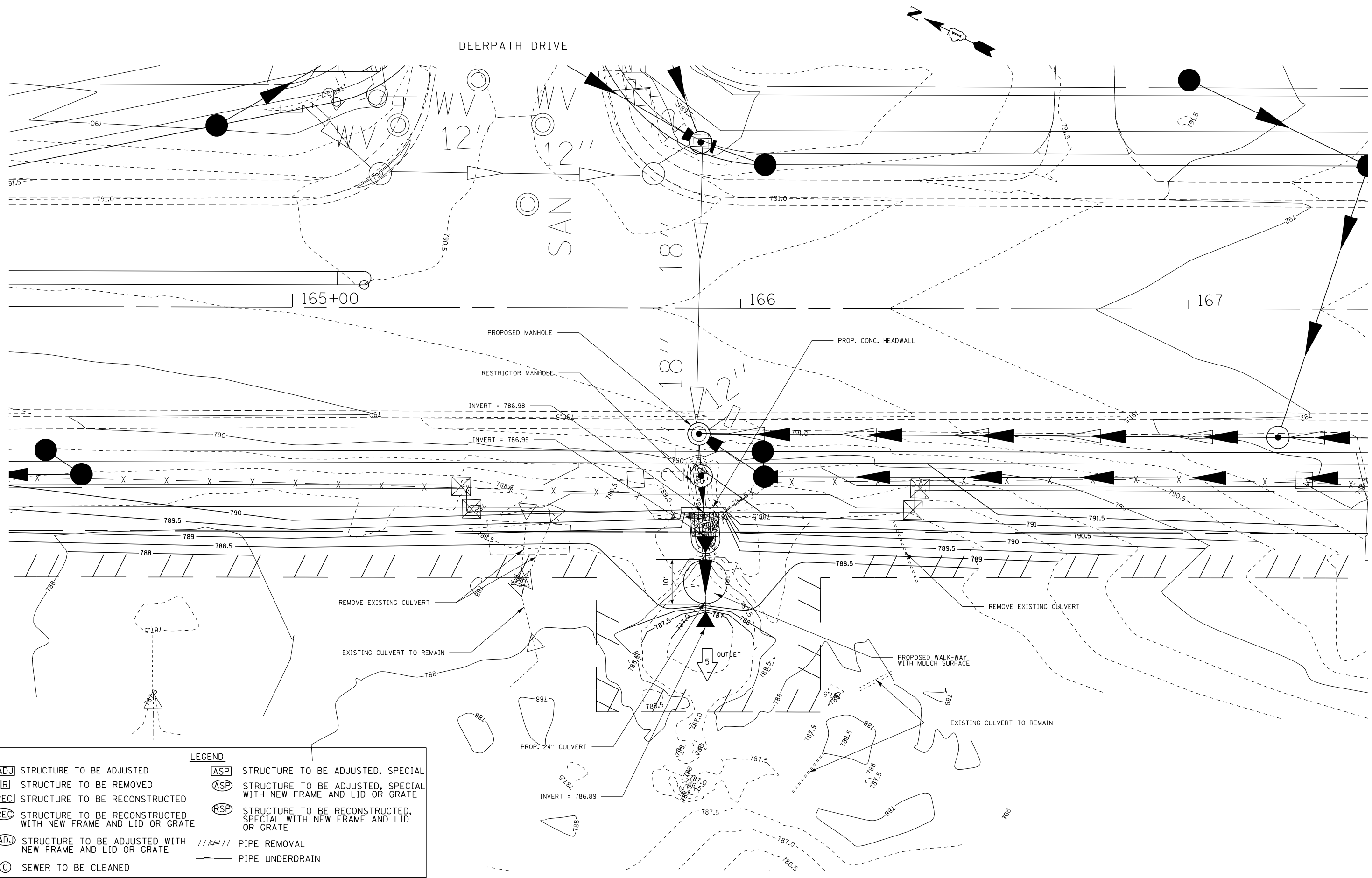
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETENTION BASIN PLAN
BASIN 4C

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	124
CONTRACT NO. 60V55				
ILLINOIS FED. AID PROJECT				



LEGEND

(ADJ) STRUCTURE TO BE ADJUSTED	(ASP) STRUCTURE TO BE ADJUSTED, SPECIAL
(R) STRUCTURE TO BE REMOVED	(ASP) STRUCTURE TO BE ADJUSTED, SPECIAL WITH NEW FRAME AND LID OR GRATE
(REC) STRUCTURE TO BE RECONSTRUCTED	(RSP) STRUCTURE TO BE RECONSTRUCTED, SPECIAL WITH NEW FRAME AND LID OR GRATE
(REC) STRUCTURE TO BE RECONSTRUCTED WITH NEW FRAME AND LID OR GRATE	(RSP) STRUCTURE TO BE RECONSTRUCTED, SPECIAL WITH NEW FRAME AND LID OR GRATE
(ADJ) STRUCTURE TO BE ADJUSTED WITH NEW FRAME AND LID OR GRATE	##### PIPE REMOVAL
(C) SEWER TO BE CLEANED	——— PIPE UNDERDRAIN

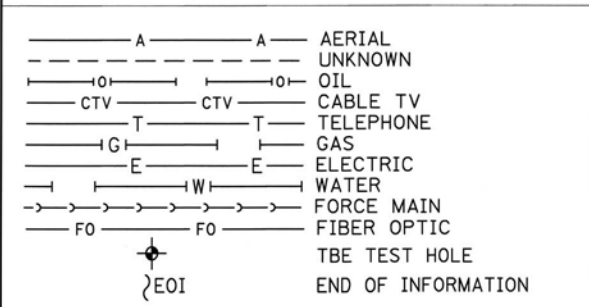
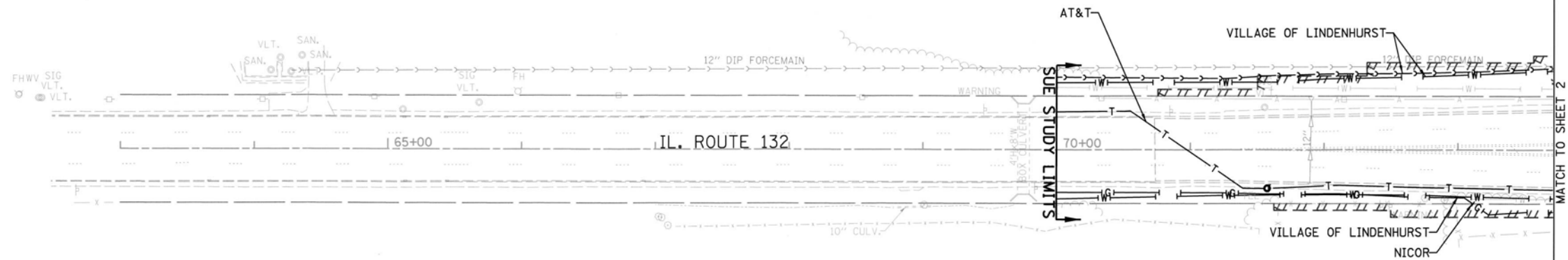
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GRADING DETAIL PLAN
IL ROUTE 132 & DEERPETH DRIVE**

SCALE: 1"=10' SHEET OF SHEETS STA. - TO STA. -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	125
CONTRACT NO. 60V55				
ILLINOIS FED. AID PROJECT				



UTILITY OWNERS	
AT&T - FIBER OPTIC	
AT&T - TELEPHONE	
COM-ED - ELECTRIC	
COMCAST - CATV	
NICOR - GAS	
NORTHSHORE - GAS	
VILLAGE OF LINDENHURST - FORCE MAIN	
VILLAGE OF LINDENHURST - WATER	

Utilities shown on these plans as depicted in the legend have been investigated by Cardno TBE in accordance with SUE Industry Standards. All other information shown has been provided to Cardno TBE by others. Cardno TBE's SUE field investigation was performed 1/19/15 through 3/20/15. Changes to utilities after 3/20/15 may have been made and therefore may result in variances from this plan. Consideration should be given to updating this plan if deemed advisable prior to final design and construction.

ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



TBE Job No. IL09510645
SUE Plan Page: 1 of 9

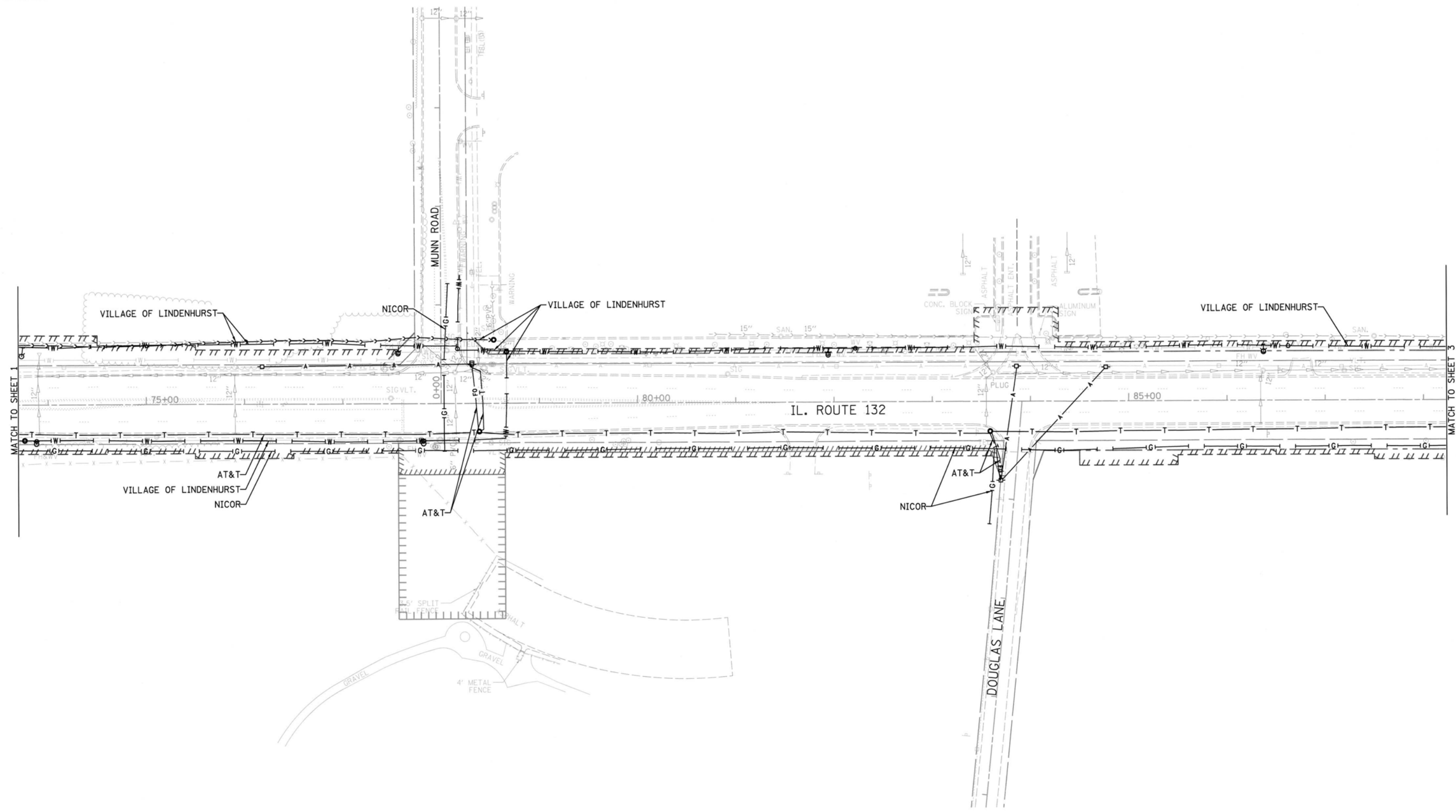
Utility Quality Level "A" : Visually Verified Test Hole
 Utility Quality Level "B" : Designating/non Visually Verified Test Hole
 Utility Quality Level "C" : Research with Survey
 Utility Quality Level "D" : Records Research

DESIGNED	LP	REVISED
DRAWN	SRK	REVISED
CHECKED	MGR	REVISED
DATE	3/24/15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RT. 132 (Munn Rd.) to Deerpath Rd.
Lindenhurst, Illinois

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LaKe	345	126
Contract No. 60V55				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				

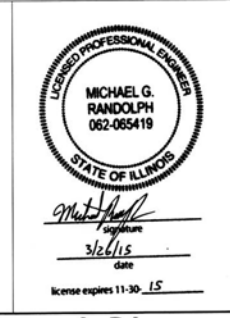


— A — A —	AERIAL
— U — U —	UNKNOWN
— O — O —	OIL
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
— E — E —	ELECTRIC
— W — W —	WATER
— FM — FM —	FORCE MAIN
— FO — FO —	FIBER OPTIC
⊕	TBE TEST HOLE
EOI	END OF INFORMATION

UTILITY OWNERS	
AT&T - FIBER OPTIC	
AT&T - TELEPHONE	
COM-ED - ELECTRIC	
COMCAST - CATV	
NICOR - GAS	
NORTHSHORE - GAS	
VILLAGE OF LINDENHURST - FORCE MAIN	
VILLAGE OF LINDENHURST - WATER	

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ALL UTILITIES SHOWN QUALITY LEVEL "B" UNLESS NOTED OTHERWISE.



**Cardno
TBE**

Dynasty Group
Engineers & Surveyors

TBE Job No. IL09510645
SUE Plan Page: 2 of 9

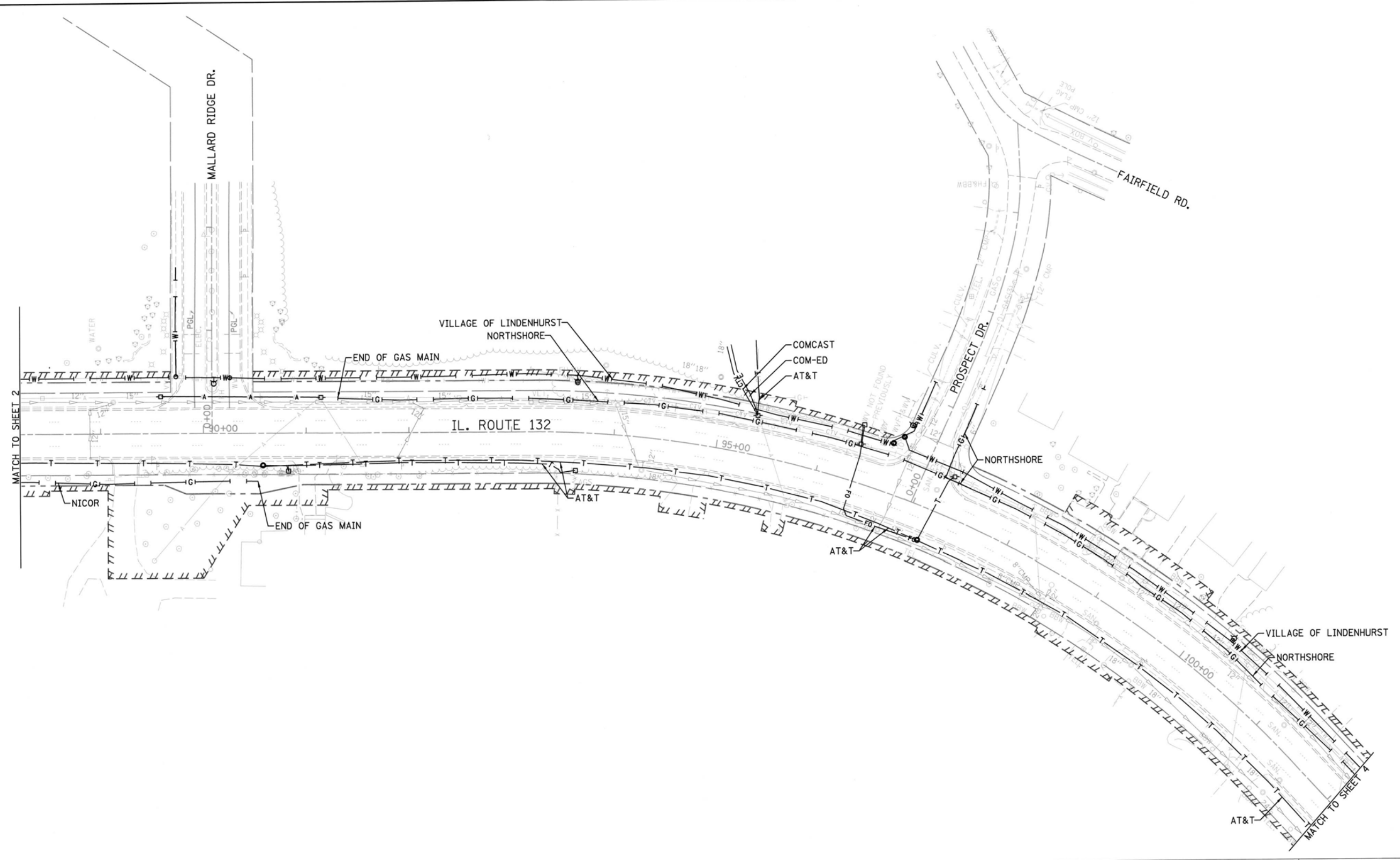
Utility Quality Level "A" : Visually Verified Test Hole
Utility Quality Level "B" : Designating/non Visually Verified Test Hole
Utility Quality Level "C" : Research with Survey
Utility Quality Level "D" : Records Research

DESIGNED LP	REVISED
DRAWN SRK	REVISED
CHECKED MGR	REVISED
DATE 3/24/15	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL RT. 132 (Munn Rd.) to Deerpath Rd.
Lindenhurst, Illinois**

F.A.P. RTE. 541	SECTION A-WRS-2	COUNTY Lake	TOTAL SHEETS 345	SHEET NO. 127
Contract No. 60V55				
FED. ROAD DIST. NO. [ILLINOIS] IDOT Project No.				

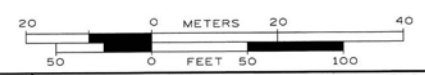


—A—A—	AERIAL
—U—U—	UNKNOWN
—O—O—	OIL
—CTV—CTV—	CABLE TV
—T—T—	TELEPHONE
—G—G—	GAS
—E—E—	ELECTRIC
—W—W—	WATER
—FM—FM—	FORCE MAIN
—FO—FO—	FIBER OPTIC
⊕	TBE TEST HOLE
⋈	END OF INFORMATION

UTILITY OWNERS	
AT&T - FIBER OPTIC	
AT&T - TELEPHONE	
COM-ED - ELECTRIC	
COMCAST - CATV	
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VILLAGE OF LINDENHURST - FORCE MAIN	
VILLAGE OF LINDENHURST - WATER	

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MICHAEL G. RANDOLPH
 062-065419
 3/26/15
 License expires 11-30-15

Cardno TBE
 Engineers & Surveyors

Dynasty Group
 Engineers & Surveyors

TBE Job No. IL09510645
 SUE Plan Page: 3 of 9

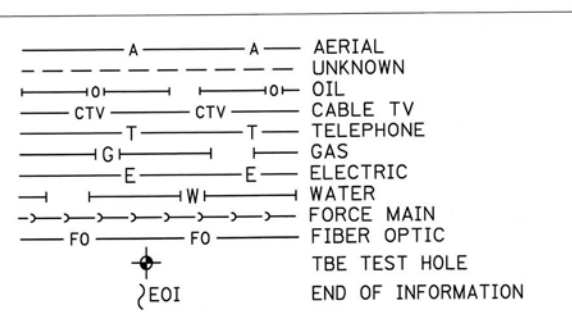
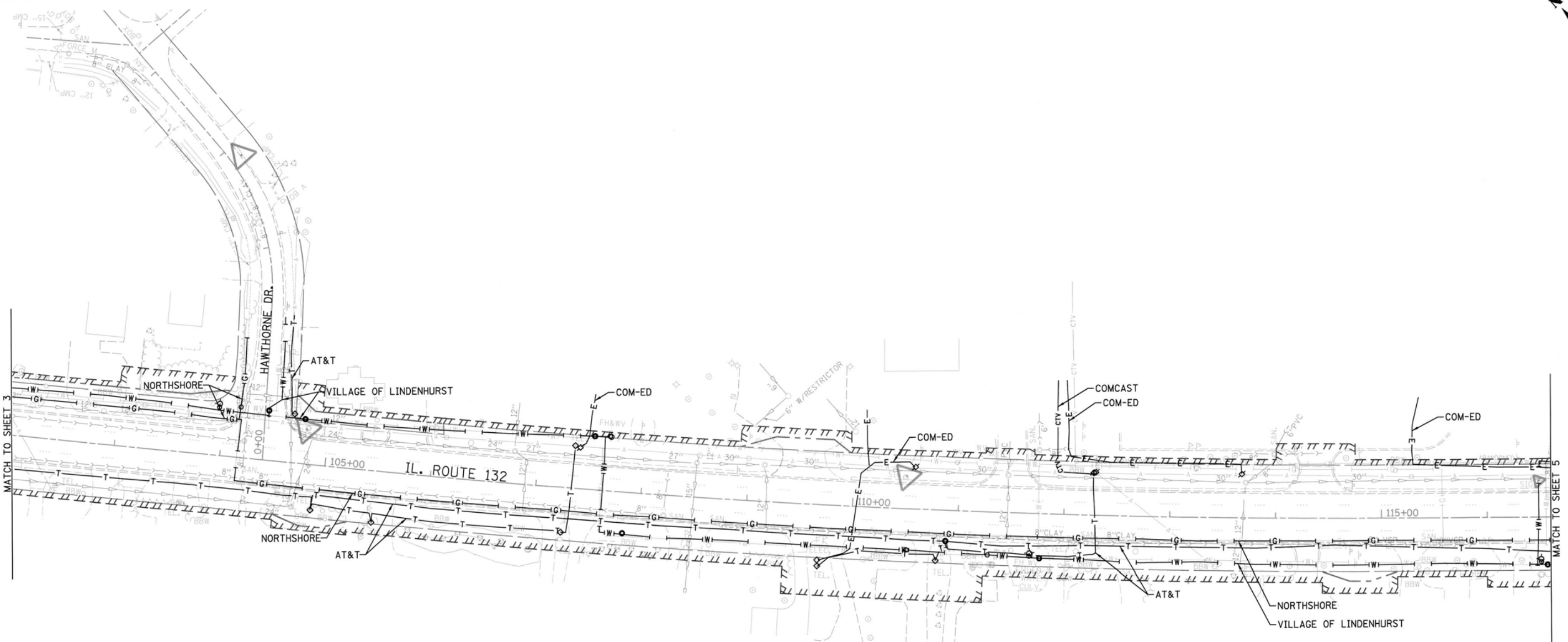
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DESIGNED	LP	REVISED
DRAWN	SRK	REVISED
CHECKED	MGR	REVISED
DATE	3/24/15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RT. 132 (Munn Rd.) to Deerpath Rd.
Lindenhurst, Illinois

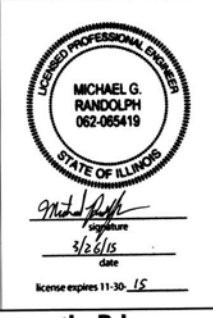
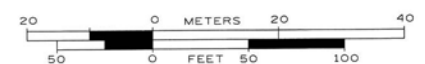
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	Lake	345	128
Contract No. 60V55				
FED. ROAD DIST. NO. [ILLINOIS] IDOT Project No.				



UTILITY OWNERS	
AT&T - FIBER OPTIC	
AT&T - TELEPHONE	
COM-ED - ELECTRIC	
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TBE Job No. IL09510645
SUE Plan Page: 4 of 9

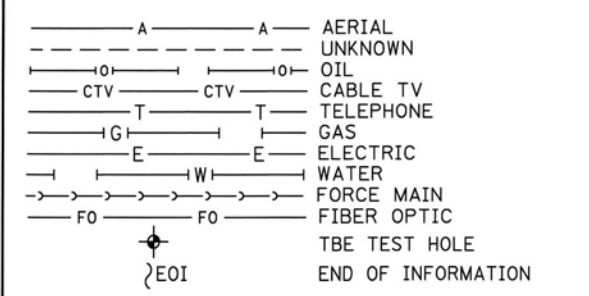
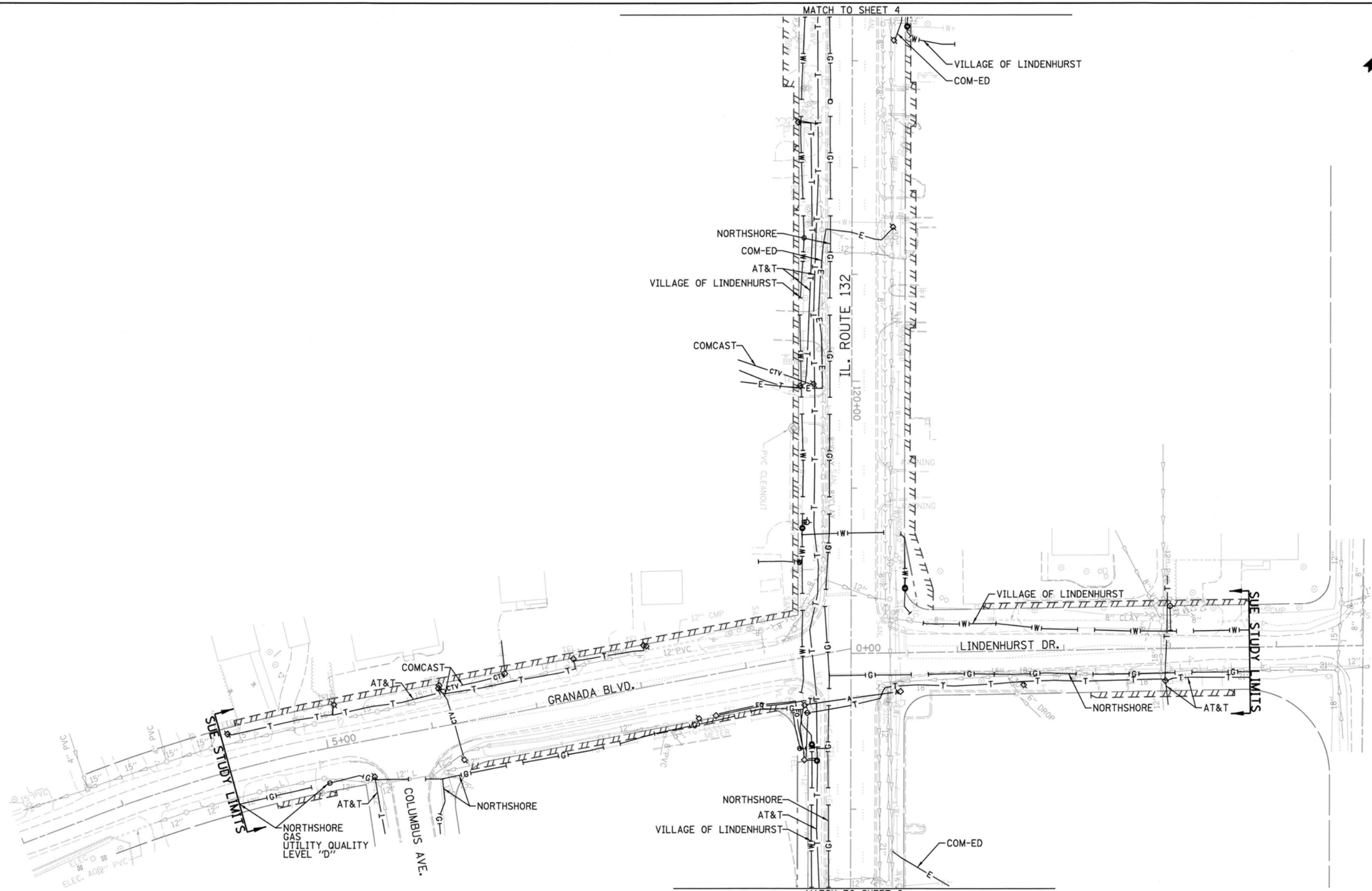
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DESIGNED	LP	REVISED
DRAWN	SRK	REVISED
CHECKED	MGR	REVISED
DATE	3/24/15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RT. 132 (Munn Rd.) to Deerpath Rd.
Lindenhurst, Illinois

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	Lake	345	129
Contract No. 60V55				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				



UTILITY OWNERS		
AT&T - FIBER OPTIC		
AT&T - TELEPHONE		
COM-ED - ELECTRIC		
COMCAST - CATV		
NICOR - GAS		
NORTHSHORE - GAS		
VILLAGE OF LINDENHURST - FORCE MAIN		
VILLAGE OF LINDENHURST - WATER		

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TBE Job No. IL09510645
SUE Plan Page: 5 of 9

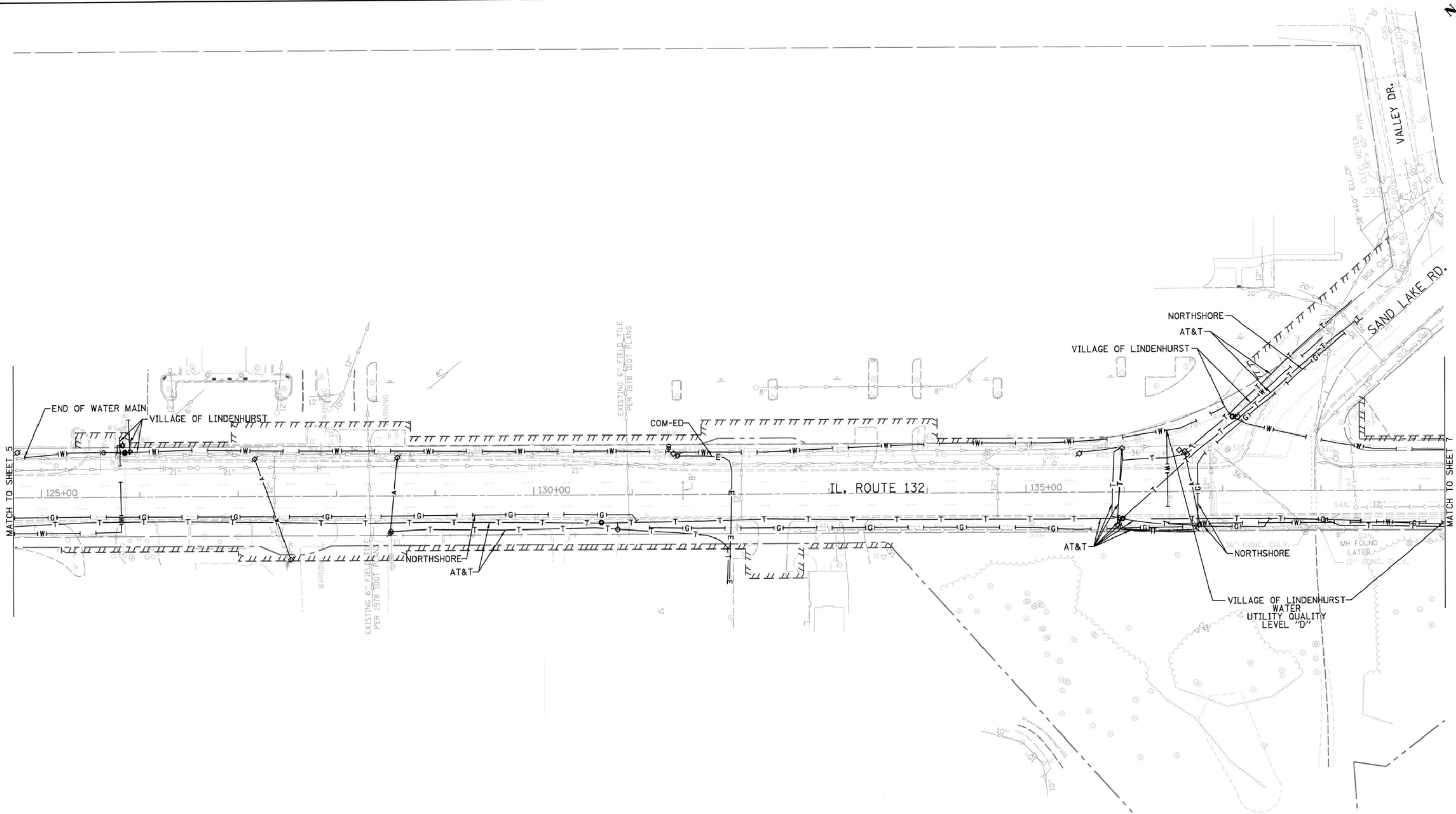
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DESIGNED	LP	REVISED
DRAWN	SRK	REVISED
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RT. 132 (Munn Rd.) to Deerpath Rd.
Lindenhurst, Illinois

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	Lake	345	130
Contract No. 60V55				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				

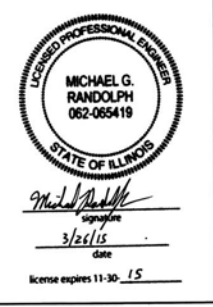


— A — A	AERIAL
- - - - -	UNKNOWN
— O — O	OIL
— CTV — CTV	CABLE TV
— T — T	TELEPHONE
— G — G	GAS
— E — E	ELECTRIC
— W — W	WATER
— FM — FM	FORCE MAIN
— FO — FO	FIBER OPTIC
⊙	TBE TEST HOLE
EOI	END OF INFORMATION

UTILITY OWNERS	
AT&T - FIBER OPTIC	
AT&T - TELEPHONE	
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TBE Job No. IL09510645
SUE Plan Pages: 6 of 9

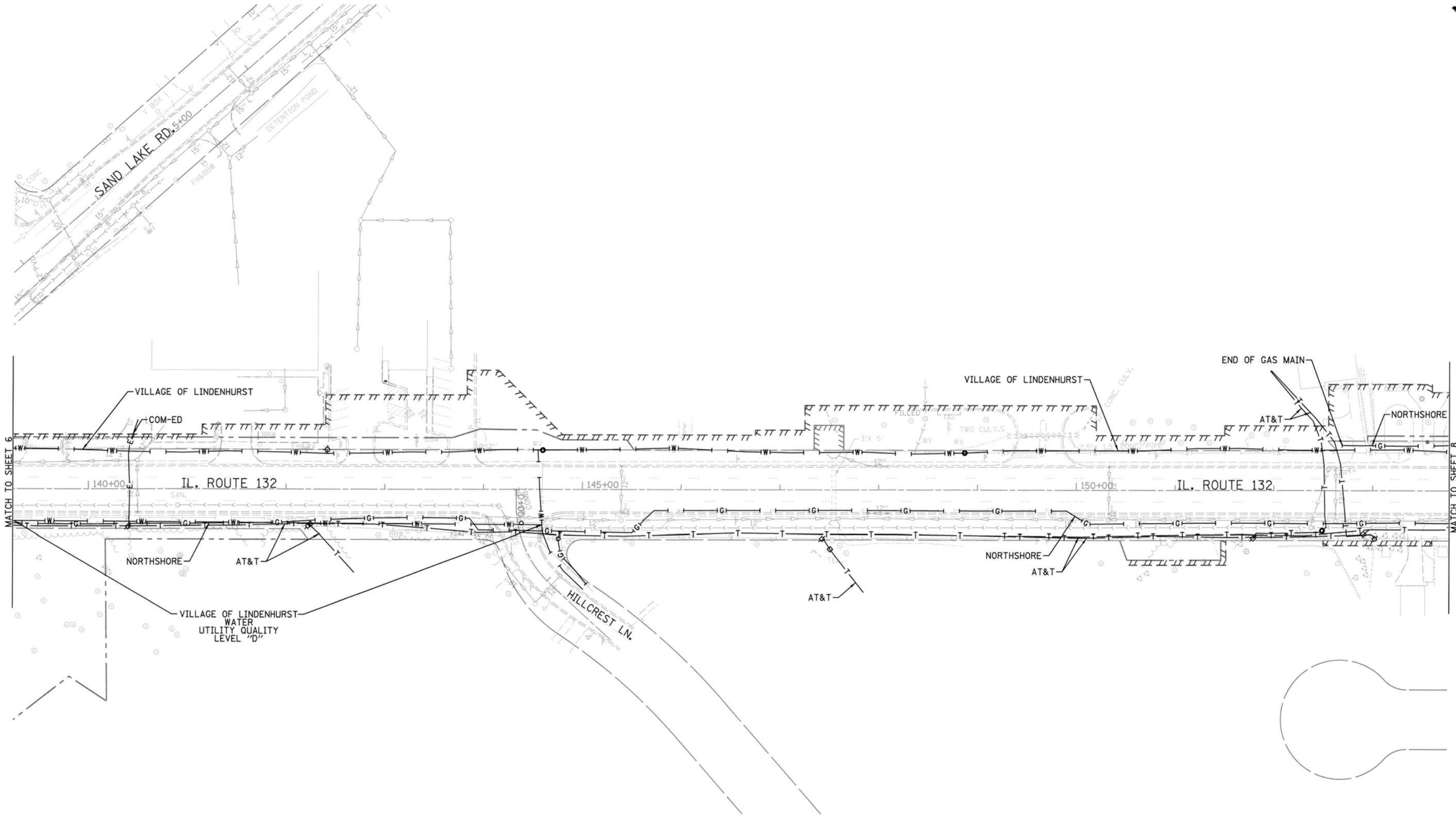
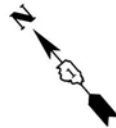
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DESIGNED LP	REVISED
DRAWN SRK	REVISED
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DATE 3/24/15	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL RT. 132 (Munn Rd.) to Deerpath Rd.
Lindenhurst, Illinois**

F.A.P. RTE. 541	SECTION A-WRS-2	COUNTY Lake	TOTAL SHEETS 345	SHEET NO. 131
Contract No. 60V55				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				

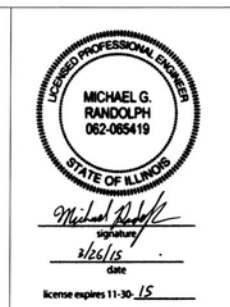


— A — A —	AERIAL
- - - - -	UNKNOWN
— O — O —	OIL
— CTV — CTV —	CABLE TV
— T — T —	TELEPHONE
— G — G —	GAS
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— FM — FM —	FORCE MAIN
— FO — FO —	FIBER OPTIC
⊕	TBE TEST HOLE
{EOI	END OF INFORMATION

UTILITY OWNERS	
AT&T - FIBER OPTIC	
AT&T - TELEPHONE	
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TBE Job No. IL09510645
SUE Plan Page: 7 of 9

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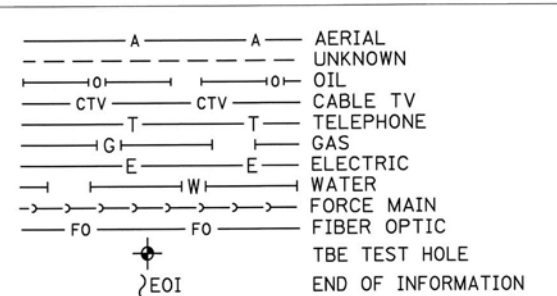
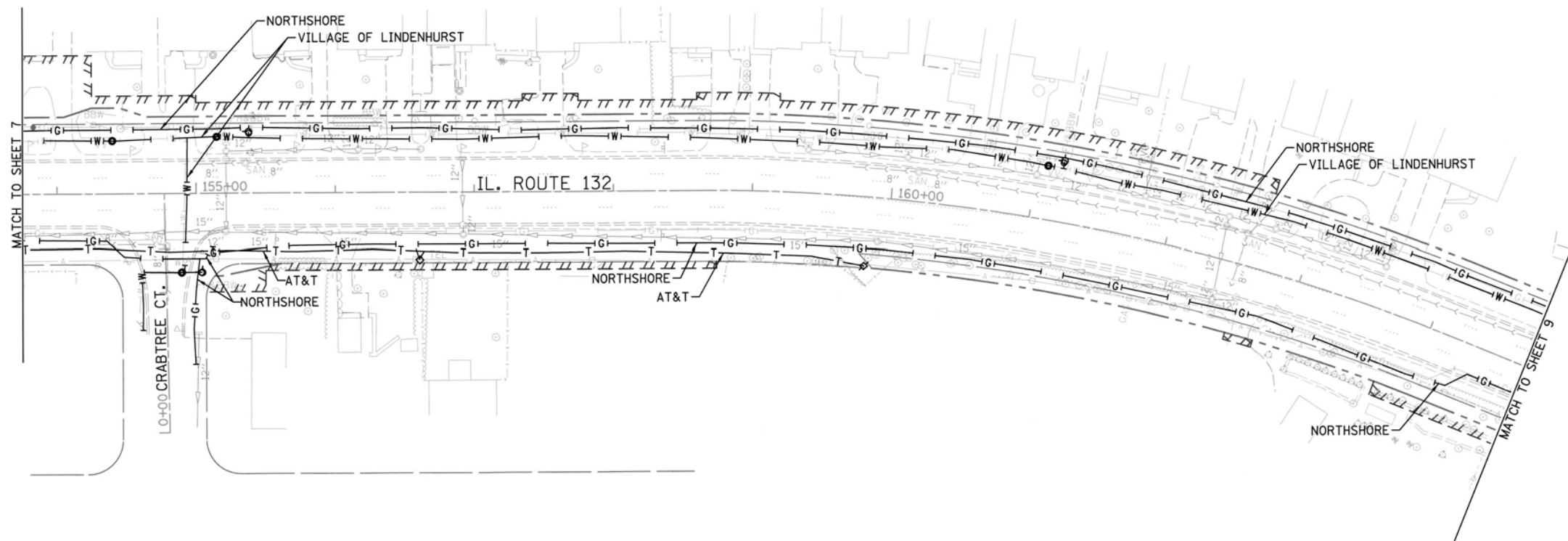
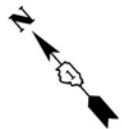
DESIGNED LP	REVISED
DRAWN SRK	REVISED
CHECKED MGR	REVISED
DATE 3/24/15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RT. 132 (Munn Rd.) to Deerpath Rd.
Lindenhurst, Illinois

F.A.P. RTE. 541	SECTION A-WRS-2	COUNTY Lake	TOTAL SHEETS 345	SHEET NO. 132
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FED. ROAD DIST. NO. ILLINOIS		IDOT Project No.	
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UTILITY OWNERS	
AT&T - FIBER OPTIC	
AT&T - TELEPHONE	
COM-ED - ELECTRIC	
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TBE Job No. IL09510645
SUE Plan Pages 8 of 9

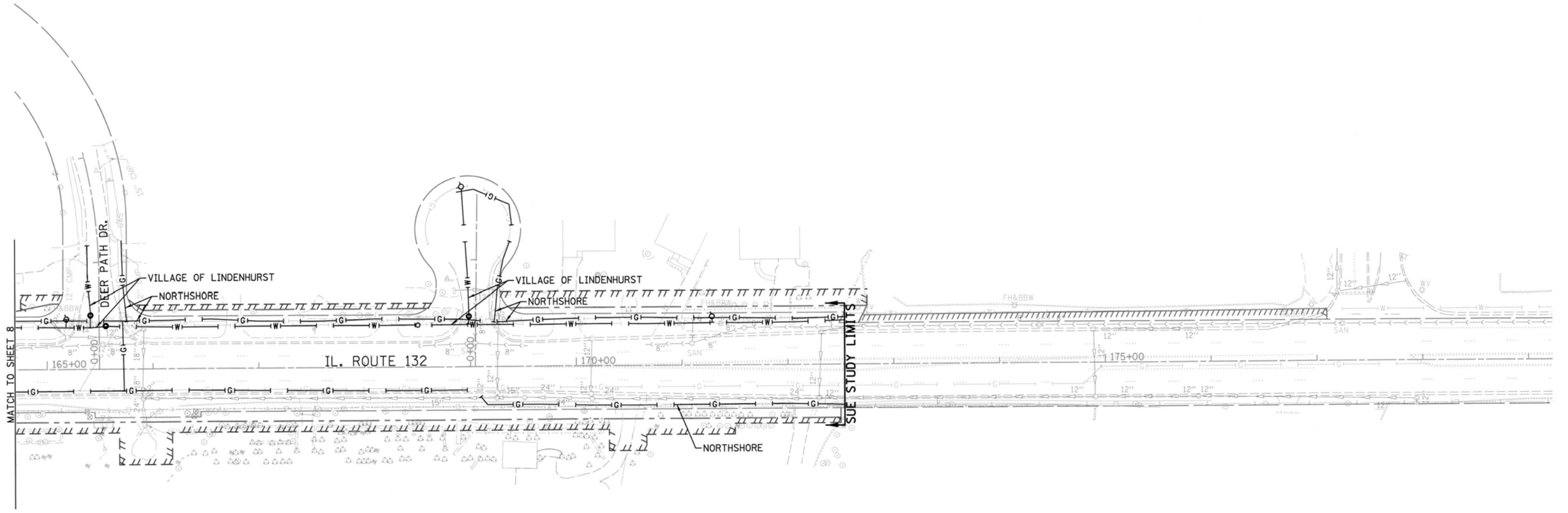
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DEPARTMENT OF TRANSPORTATION

IL RT. 132 (Munn Rd.) to Deerpath Rd.
Lindenhurst, Illinois

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	Lake	345	133
Contract No. 60V55				
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.				

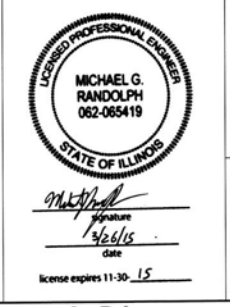
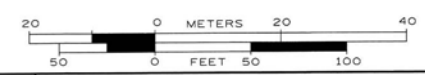


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- - - - -	UNKNOWN
— O — O —	OIL
— CTV — CTV —	CABLE TV
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UTILITY OWNERS	
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TBE Job No. IL09510645
SUE Plan Page: 9 of 9

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DESIGNED LP	REVISED
DRAWN SRK	REVISED
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DATE 3/24/15	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RT. 132 (Munn Rd.) to Deerpath Rd.
Lindenhurst, Illinois

F.A.P. RTE. 541	SECTION A-WRS-2	COUNTY Lake	TOTAL SHEETS 345	SHEET NO. 134
FED. ROAD DIST. NO. ILLINOIS IDOT Project No.			Contract No. 60V55	

PART OF THE NW 1/4 OF SECTION 2 OF TWP. 45 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.
 PART OF THE NE 1/4 OF SECTION 3 OF TWP. 45 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.
 PART OF THE SE 1/4 OF SECTION 34 OF TWP. 46 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.
 PART OF THE SW 1/4 OF SECTION 35 OF TWP. 46 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

SHEET KEY MAP

PROJECT COORDINATES			
ILLINOIS STATE PLANE, EAST ZONE, NAD 83(2011)			
CENTERLINE POINT TABLE			
POINT #	NORTHING	EASTING	STATION
150	2094100.03	1059831.48	63+00.00
151	2094096.19	1061331.48	78+00.00
152	2094094.72	1061922.84	83+91.37
154	2094092.42	1062850.89	93+15.42
156	2093769.55	1063587.70	101+46.91
157	2093629.70	1063717.02	103+37.39
158	2093466.78	1063868.80	105+60.06
160	2092781.50	1064575.36	115+44.81
161	2092315.18	1065109.84	122+54.12

LEGEND

SECTION CORNER: 9 10 15 16
 QUARTER SECTION CORNER: 16 15

SECTION / QUARTER SECTION LINE
 PLATTED LCT LINES
 PROPERTY (DEED) LINE
 APPARENT PROPERTY LINE
 EXISTING CENTERLINE
 PROPOSED CENTERLINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 EXISTING EASEMENT
 PROPOSED EASEMENT
 EXISTING ACCESS CONTROL LINE
 PROPOSED ACCESS CONTROL LINE
 MEASURED DIMENSION
 COMPUTED DIMENSION
 RECORDED DIMENSION
 EXISTING BUILDING

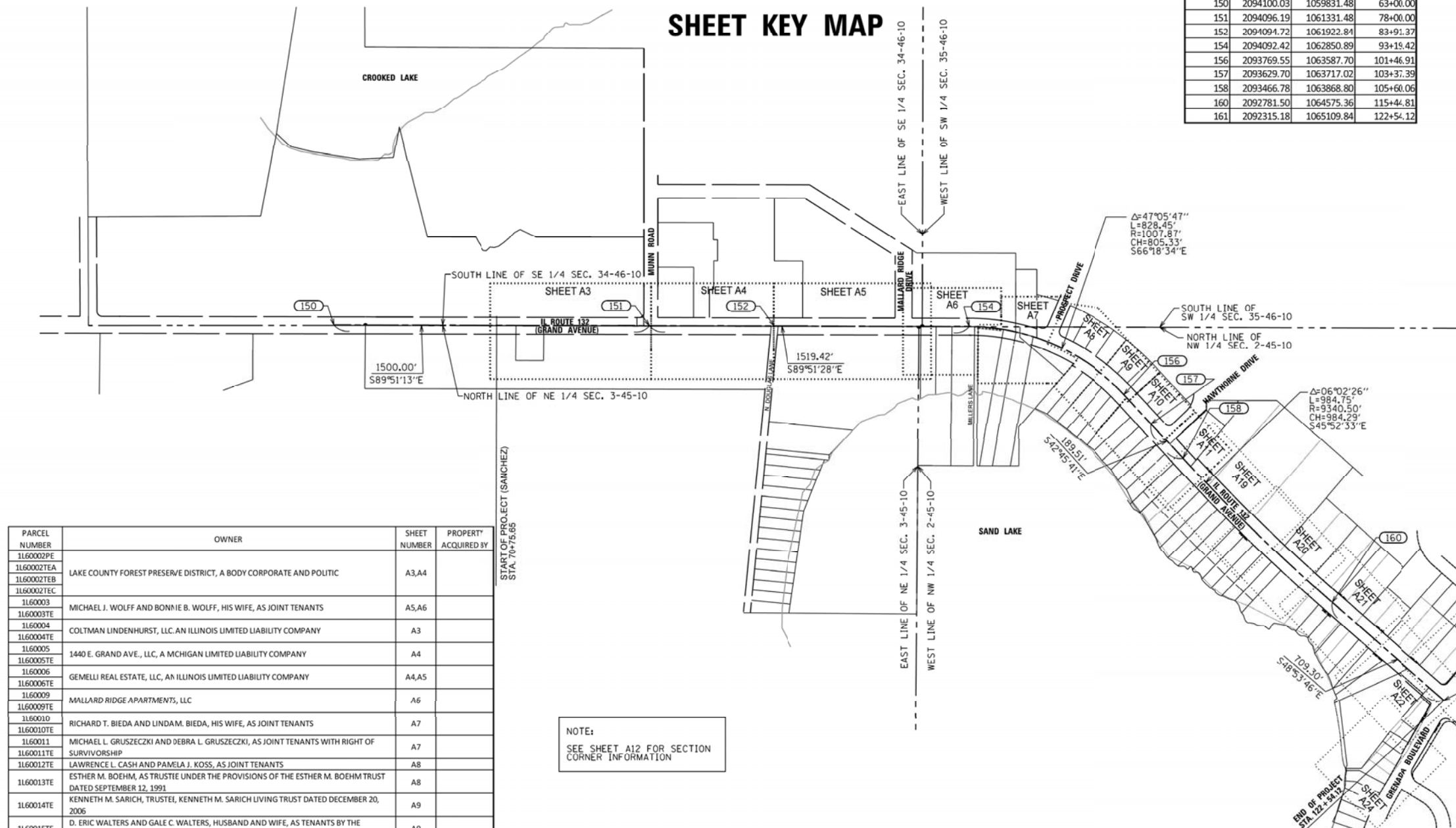
ABBREVIATIONS:
 P.O.C. - POINT OF COMMENCEMENT
 P.O.B. - POINT OF BEGINNING

SURVEY NOTES:
 - ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
 - BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM 1983 (2011 ADJUSTMENT) "GRID".
 - ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES DIVIDE GRID DISTANCES SHOWN BY THE COMBINED FACTOR OF 0.9999499714.
 - AREAS SHOWN ON THIS PLAT ARE "GROUND".

IRON PIPE OR ROD FOUND
 CUT CROSS FOUND OR SET
 PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
 RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
 COUNTY OF COOK)

Bearings and distances are referenced to the Illinois State Plane Coordinate System, East Zone, NAD 83 (2011 ADJUSTMENT).
 Combination Factor: 0.9999499714
 Note: To obtain ground distance divide the grid distance shown by the combination factor.



PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
1160002PE			
1160002TEA	LAKE COUNTY FOREST PRESERVE DISTRICT, A BODY CORPORATE AND POLITIC	A3,A4	
1160002TEB			
1160002TEC			
1160003	MICHAEL J. WOLFF AND BONNIE B. WOLFF, HIS WIFE, AS JOINT TENANTS	A5,A6	
1160003TE			
1160004	COLTMAN LINDENHURST, LLC AN ILLINOIS LIMITED LIABILITY COMPANY	A3	
1160004TE			
1160005	1440 E. GRAND AVE., LLC, A MICHIGAN LIMITED LIABILITY COMPANY	A4	
1160005TE			
1160006	GEMELLI REAL ESTATE, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	A4,A5	
1160006TE			
1160009	MALLARD RIDGE APARTMENTS, LLC	A6	
1160009TE			
1160010	RICHARD T. BIEDA AND LINDAM. BIEDA, HIS WIFE, AS JOINT TENANTS	A7	
1160010TE			
1160011	MICHAEL L. GRUSZCZKI AND DEBRA L. GRUSZCZKI, AS JOINT TENANTS WITH RIGHT OF SURVIVORSHIP	A7	
1160011TE			
1160012TE	LAWRENCE L. CASH AND PAMELA J. KOSS, AS JOINT TENANTS	A8	
1160013TE	ESTHER M. BOEHM, AS TRUSTEE UNDER THE PROVISIONS OF THE ESTHER M. BOEHM TRUST DATED SEPTEMBER 12, 1991	A8	
1160014TE	KENNETH M. SARICH, TRUSTEE, KENNETH M. SARICH LIVING TRUST DATED DECEMBER 20, 2006	A9	
1160015TE	D. ERIC WALTERS AND GALE C. WALTERS, HUSBAND AND WIFE, AS TENANTS BY THE ENTIRETY	A9	
1160016TE	MICHAEL J. HAMER	A9	
1160017TE	PATRICIA A. ERBER, AS TRUSTEE UNDER PROVISIONS OF A TRUST AGREEMENT DATED THE 8TH DAY OF SEPTEMBER, 2004	A10	
1160018TE	MICHAEL J. WOLFF AND BONNIE B. WOLFF, HUSBAND AND WIFE, IN JOINT TENANCY	A10	
1160019TE	BARRY GOLDBERG	A10	
1160020TE	JILL J. CLARK AND HELENE BOTTOS, AS JOINT TENANTS	A10	
1160021	SHARON C. FABIER, AN UNMARRIED WOMAN	A11	
1160021TE			
1160022	GARY REIJONEN AND CHERYL REIJONEN, HIS WIFE, AS JOINT TENANTS	A11	
1160022TE			
1160023TE	PAUL E. HAYNES AND DARLINE A. HAYNES, AS CO-TRUSTEES OF THE PAUL E. HAYNES AND DARLINE A. HAYNES REVOCABLE JOINT LIVING TRUST AGREEMENT DATED AUGUST 24, 2011	A11	
1160024	RAZAN KHATTAB	A6,A7	
1160024TE			
1160025	JEFFREY WELLS	A7	
1160025TE			
1160026TE	DONALD G. THOMPSON	A7	
1160027	BETTE M. HENRY, AS TRUSTEE UNDER TRUST DATED THE 27TH DAY OF OCTOBER 1992, AND KNOWN AS THE BETTE M. HENRY TRUST DATED OCTOBER 27, 1992	A8	
1160028	ROBERT W. WAGNER, AS SURVIVING JOINT TENANT OF KATHLEEN WAGNER, DECEASED	A8	
1160028TE			
1160029	RACHEL LINDSEY	A8	
1160029TE			
1160030	RICHARD W. MUELLER	A8	
1160030TE			
1160031	RALPH N. DANIELSEN AND DONNA R. DANIELSEN, HIS WIFE IN JOINT TENANCY	A9	
1160031TE			
1160032	JOSEPH A. CANOVAS AND ROSINA M. CANOVAS AS TENANTS BY THE ENTIRETY	A9	
1160032TE			

NOTE:
 SEE SHEET A12 FOR SECTION CORNER INFORMATION

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
1160033	FRANCIS KNUTH, JR. AND PEGGY F. KNUTH, HUSBAND AND WIFE, IN JOINT TENANCY	A9	
1160033TE			
1160034	KATHLEEN A. BOHLMAN	A10	
1160034TE			
1160035	MICHAEL AKUTAGAWA	A10	
1160035TE			
1160036	FRED J. WOLF, TRUSTEE OF THE DECLARATION OF TRUST OF FRED J. WOLF	A11	
1160036TE			
1160050TE	MARIAN F. KREUTZER AND DARLINE A. HAYNES, AS CO-TRUSTEES UNDER THE PROVISIONS OF A TRUST AGREEMENT DATED THE 22ND DAY OF SEPTEMBER, 1997 AND KNOWN AS MARIAN F. KREUTZER LIVING TRUST	A19	
1160051TE	RUSSELL A. VALIN AND JEANNE VALIN, HIS WIFE IN JOINT TENANCY	A19	
1160052TE	ROBERT L. LINDSTROM AND SUSAN R. LINDSTROM AS TENANTS BY THE ENTIRETY	A19	
1160053TE	JAMES M. WIETZEMA AND PATRICIA B. WIETZEMA, HUSBAND AND WIFE, AS JOINT TENANTS	A19	
1160054TE	JAMES J. SCHRAMM	A19	
1160055TE	J. KATHERINE KUROSKI	A20	
1160056TE	MARTIN C. PRAHL AND OLGA PRAHL, HUSBAND AND WIFE, ASTENANTS IN COMMON	A20	
1160057TE	GEORGE M. BRONIEC AND LAURA J. BRONIEC, IN JOINT TENANCY	A20	
1160058TE	MIKE I. BARBERINI	A20	
1160059TE	SEAN MASON	A20	
1160060	SAINT MARK LUTHERAN CHURCH, A RELIGIOUS CORPORATION	A19, A20	
1160060TE			
1160061TE	T T & J MANAGEMENT, LLC	A20	
1160062TE	RAZAN, LLC-1870 EAST GRAND AVENUE, AN ILLINOIS LIMITED LIABILITY COMPANY	A21	
1160063TE	GAT INVESTMENTS, LLC	A21	
1160064	PAK C. LEUNG	A20, A21	
1160064TE			

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
1160065	KIMBEXLY J. KANGAS	A21	
1160065TE			
1160066TE	GERALD R. GEBAUER OR RAMONA J. GEBAUER, AS TRUSTEES OF THE GERALD R. GEBAUER AND ROMONA J. GEBAUER TRUST DATED NOVEMBER 6, 2002	A21	
1160067TE	ROGEE M. PRETZEL AND MARY ERL, IN JOINT TENANCY	A21	
1160068TE	RICHARD C. MAY OR SUZANNE L. MAY, TRUSTEES OF THE RICHARD C. MAY AND SUZANNE L. MAY TRUST DATED OCTOBER 3, 2001	A21	
1160069TE	WAYNE HUMMER TRUST COMPANY, N.A. F/K/A WINTRUST ASSET MANAGEMENT CO., N.A., SUCCESSOR TRUSTEE TO STATE BANK OF THE LAKES, AS TRUSTEE OF UNDER A TRUST AGREEMENT DATED THE 21ST DAY OF DECEMBER, 1998 KNOWN AS TRUST NUMBER 98-128 CHICAGO TITLE LAND TRUST COMPANY, AS SUCCESSOR TO LASALLE NATIONAL BANK, AS TRUSTEE UNDER TRUST AGREEMENT DATED THE 21ST DAY OF FEBRUARY, 1986, KNOWN AS TRUSTNUMBER 110852	A22	
1160070TE	FIRST AMERICAN BANK, CARPENTERSVILLE, AN ILLINOIS BANKING CORPORATION 1910 EAST GRAND AVENUE LLC, AN OREGON LIMITED LIABILITY COMPANY AND LIMITED MUTUAL OF OMAHA LIFE INSURANCE COMPANY, A NEBRASKA CORPORATION	A21	
1160071TE	ATG TRUST COMPANY, AS SUCCESSOR TO THE FIRST NATIONAL BANK OF LAKE FOREST, AS TRUSTEE UNDER A TRUST AGREEMENT DATED THE 29TH OF MARCH, 1976, KNOWN AS TRUST NUMBER 4863	A22, A23	
1160072TE	SAND LAKE PROPERTIES, LLC	A22, A24	
1160073TE	SAND LAKE PROPERTIES, LLC	A22, A24	
1160074TE-A			
1160075TE	KEN W. KUEBLER, SURVIVING JOINT TENANT	A22	
1160076TE	JAMES M. DALGAARD AND SHERRY L. DALGAARD, HUSBAND AND WIFE, AS JOINT TENANTS	A24	
1160077TE	ADJORILMAR, INC.	A24	
1160078TE	DANIE R. ZINN	A24	
1160079TE	ROGEE TRAGASZ TRUST, TRUST NUMBER 91-115, U/T/D MAY 3, 2004	A24	
1160080TE	MICHAEL JARRELL AND LAURA JARRELL, HUSBAND AND WIFE, IN JOINT TENANCY	A23	

THIS IS TO CERTIFY THAT I, GERARDO P. SANCHEZ, AN ILLINOIS PROFESSIONAL LAND SURVEYOR LICENSE NO. 035-003486, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 2 AND 3, TOWNSHIP 45 NORTH, RANGE 10 EAST AND SECTIONS 34 AND 35, TOWNSHIP 46 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 19TH DAY OF AUGUST 2015 A.D.
 GERARDO P. SANCHEZ, PRESIDENT

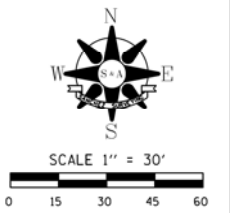
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003486
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2014
 ILLINOIS PROFESSIONAL DESIGN FIRM REGISTRATION NO.: 184-004601
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

S & A SANCHEZ & ASSOCIATES, P.C.
 LAND SURVEYORS
 8604 W. CATALPA AVE. STE 912 CHICAGO, IL 60656
 PH 773-444-0144 FAX 847-232-3104

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 132 (GRAND AVENUE)
 LIMITS: MLLN TO GRANADA COUNTY; LAKE
 SECTIONS: 12996 JOB NO.: R-91-037:13
 STATION 10+75.65 TO STATION 122+54.12
 SCALE: 1"=300' SHEET A2 OF 24
 BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196

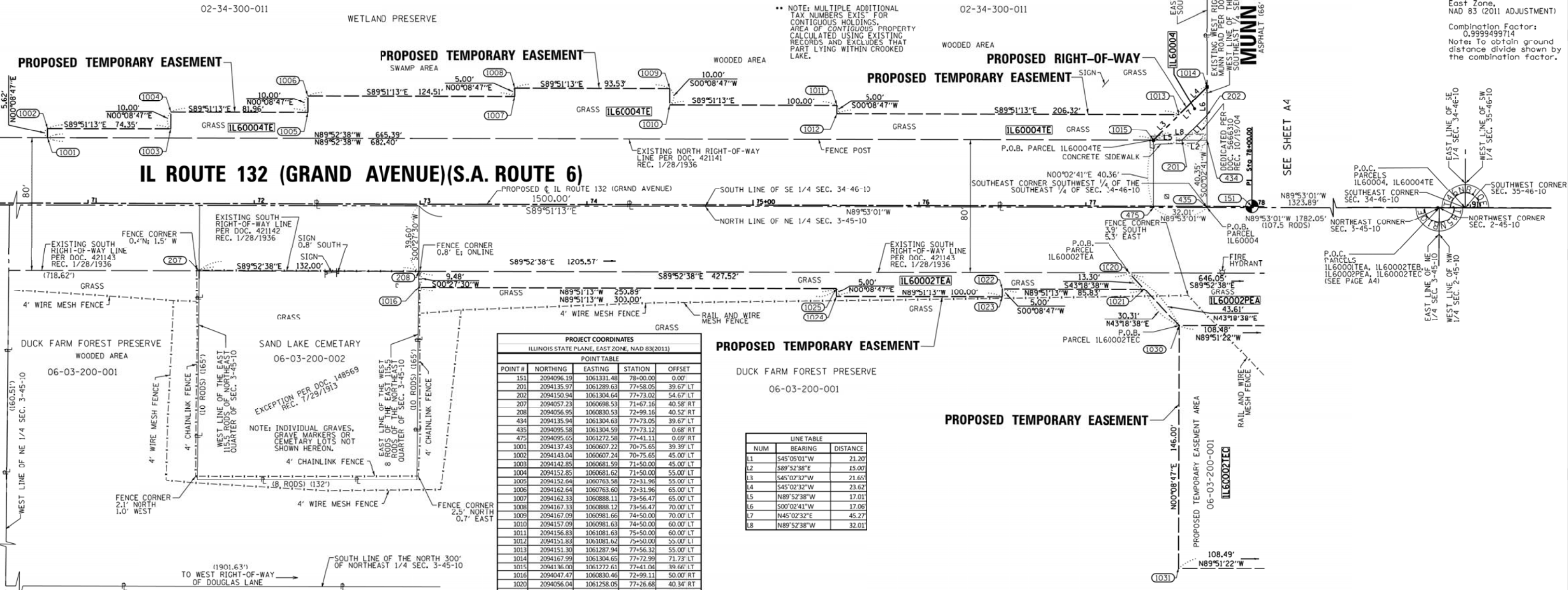
REVISION DATE: 08/19/2015 REVISION MADE BY: WJG REVISION DATE: 07/24/2015 REVISION MADE BY: WJG REVISION DATE: 03/29/2015 REVISION MADE BY: WJG
 REVISION DATE: 07/15/2015 REVISION MADE BY: WJG REVISION DATE: 12/19/2014 REVISION MADE BY: WJG REVISION DATE: 08/21/2014 REVISION MADE BY: WJG
 REVISION DATE: 05/22/2015 REVISION MADE BY: WJG REVISION DATE: 08/21/2014 REVISION MADE BY: WJG

PART OF THE SE 1/4 OF SECTION 34 OF TWP. 46 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.
 PART OF THE NE 1/4 OF SECTION 3 OF TWP. 45 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W.	REMAINING AREA ACRES	EASEMENT AREA		PERMANENT INDEX NUMBER
					ACRES	SQUARE FEET	
1L60002PE	12.686	0.039	1.631	12.686	0.208		06-03-200-001
1L60002TEA					0.100		
1L60002TEB					0.057		
1L60002TEC					0.364		
1L60004	54.277		0.030	54.238			02-34-300-007, 02-34-300-011**

** NOTE: MULTIPLE ADDITIONAL TAX NUMBERS EXIST FOR CONTIGUOUS HOLDINGS. AREA OF CONTIGUOUS PROPERTY CALCULATED USING EXISTING RECORDS AND EXCLUDES THAT PART LYING WITHIN CROOKED LAKE.



PROJECT COORDINATES				
ILLINOIS STATE PLANE, EAST ZONE, NAD 83(2011)				
POINT TABLE				
POINT #	NORTHING	EASTING	STATION	OFFSET
151	2094096.19	1061331.48	78+00.00	0.00'
201	2094135.97	1061289.63	77+58.05	39.67' LT
202	2094150.94	1061304.64	77+73.02	54.67' LT
207	2094057.23	1060698.53	71+67.16	40.58' RT
208	2094056.95	1060830.53	72+99.16	40.52' RT
434	2094135.94	1061304.63	77+73.05	39.67' LT
435	2094095.58	1061304.59	77+73.12	0.68' RT
475	2094095.65	1061272.58	77+41.11	0.69' RT
1001	2094137.43	1060607.22	70+75.65	39.39' LT
1002	2094143.04	1060607.24	70+75.65	45.00' LT
1003	2094142.85	1060681.59	71+50.00	45.00' LT
1004	2094152.85	1060681.62	71+50.00	55.00' LT
1005	2094152.64	1060763.58	72+31.96	55.00' LT
1006	2094162.64	1060763.60	72+31.96	65.00' LT
1007	2094162.33	1060888.11	73+56.47	65.00' LT
1008	2094167.33	1060888.12	73+56.47	70.00' LT
1009	2094167.09	1060981.66	74+50.00	70.00' LT
1010	2094157.09	1060981.63	74+50.00	60.00' LT
1011	2094156.83	1061081.63	75+50.00	60.00' LT
1012	2094151.83	1061081.62	75+50.00	55.00' LT
1013	2094151.30	1061287.94	77+56.32	55.00' LT
1014	2094167.99	1061304.65	77+72.99	71.73' LT
1015	2094136.00	1061272.61	77+41.04	39.66' LT
1016	2094047.47	1060830.46	72+99.11	50.00' RT
1020	2094056.04	1061258.05	77+26.68	40.34' RT
1021	2094046.36	1061267.18	77+35.83	50.00' RT
1022	2094046.58	1061181.35	76+50.00	50.00' RT
1023	2094041.58	1061181.33	76+50.00	55.00' RT
1024	2094041.83	1061081.34	75+50.00	55.00' RT
1025	2094046.83	1061081.35	75+50.00	50.00' RT
1030	2094024.30	1061287.97	77+56.68	72.00' RT
1031	2093878.30	1061287.59	77+56.68	218.00' RT

LINE TABLE		
NUM	BEARING	DISTANCE
L1	S45°05'01"W	21.20'
L2	S89°52'38"E	15.00'
L3	S45°02'32"W	21.65'
L4	S45°02'32"W	23.62'
L5	N89°52'38"W	17.01'
L6	S00°02'41"W	17.06'
L7	N45°02'32"E	45.27'
L8	N89°52'38"W	32.01'

SURVEY NOTES

- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
- BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM 1983 (2011 ADJUSTMENT) "GRID".
- ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES DIVIDE GRID DISTANCES SHOWN BY THE COMBINED FACTOR OF 0.9999499714.
- AREAS SHOWN ON THIS PLAT ARE "GROUND".

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5 / 8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

ABBREVIATIONS:
 P.O.C. - POINT OF COMMENCEMENT
 P.O.B. - POINT OF BEGINNING

LEGEND

SECTION / QUARTER SECTION LINE
 PLATTED LOT LINES
 PROPERTY (DEED) LINE
 APPARENT PROPERTY LINE
 EXISTING CENTERLINE
 PROPOSED CENTERLINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 EXISTING EASEMENT
 PROPOSED EASEMENT
 EXISTING ACCESS CONTROL LINE
 PROPOSED ACCESS CONTROL LINE
 MEASURED DIMENSION
 COMPUTED DIMENSION
 RECORDED DIMENSION
 EXISTING BUILDING

STATE OF ILLINOIS)
) SS
 COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, GERARDO P. SANCHEZ, AN ILLINOIS PROFESSIONAL LAND SURVEYOR LICENSE NO. 035-003486, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 2 AND 3, TOWNSHIP 45 NORTH, RANGE 10 EAST AND SECTIONS 34 AND 35, TOWNSHIP 46 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 16TH DAY OF JUNE 2015 A.D.

Gerardo P. Sanchez
 GERARDO P. SANCHEZ, PRESIDENT

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003486
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2014

ILLINOIS PROFESSIONAL DESIGN FIRM REGISTRATION NO.: 184-004601

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

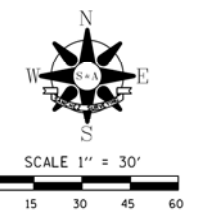


IDOT USE ONLY

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 LAND SURVEYORS
 8604 W. CATALPA AVE. STE 912 CHICAGO, IL 60656
 PH 773-444-0144 FAX 847-232-3104

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 132 (GRAND AVENUE)(S.A. ROUTE 6)
 LIMITS: MLNN TO GRANADA COUNTY; LAKE
 SECTIONS: 12996 JOB NO.: R-91-037-13
 STATION 10+75.65 TO STATION 78+00.00
 SCALE: 1"=30' SHEET A3 OF 24
BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

PART OF THE SE 1/4 OF SECTION 34 OF TWP. 46 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.
 PART OF THE NE 1/4 OF SECTION 3 OF TWP. 45 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.



Scale 1" = 30'
 Bearings and distance are referenced to the Illinois State Plane Coordinate System, East Zone, NAD 83 (2011 ADJUSTMENT).
 Combination Factor: 0.9999499714
 Note: To obtain ground distance divide shown by the combination factor.

SEE SHEET A14 FOR PROPERTY LIMITS OF TOTAL HOLDINGS.

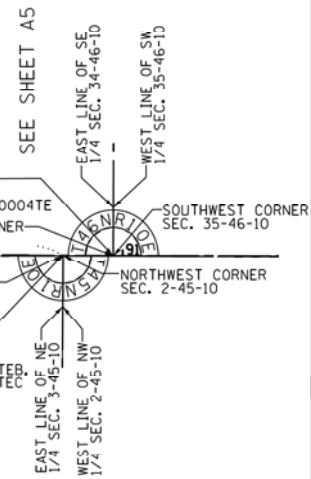
LOT 1
 EAGLE RIDGE CENTER SUBDIVISION
 PER DOC. 4143013
 REC. 6/3/1998
 02-34-402-002

02-34-402-002

PROPOSED TEMPORARY EASEMENT
 PROPOSED RIGHT-OF-WAY

SHOPPING CENTER
 ENTRANCE

EAST LCT OF LOT 1
 EAGLE RIDGE CENTER
 SUBDIVISION
 PER DOC. 4143013
 REC. 6/3/1998



IL ROUTE 132
 (GRAND AVENUE) (S.A. ROUTE 6)

DUCK FARM FOREST PRESERVE
 06-03-200-001

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W.	REMAINDER AREA ACRES	EASEMENT AREA		PERMANENT INDEX NUMBER
					ACRES	SQUARE FEET	
IL60002PE					0.208		06-03-200-001
IL60002TEA	12.686		1.631	12.686	0.100		
IL60002TEB					0.057		
IL60002TEC					0.364		
IL60005					0.939	0.041	0.898
IL60006	12.439	0.222		12.217	0.251		02-34-402-002, 02-34-402-003,
IL60006TE							02-34-402-004

PROJECT COORDINATES				
ILLINOIS STATE PLANE, EAST ZONE, NAD 83(2011)				
POINT TABLE				
POINT #	NORTHING	EASTING	STATION	OFFSET
204	2094054.65	1061904.10	83+72.72	40.12' RT
205	2094054.58	1061937.24	84+05.87	40.11' RT
209	2094135.79	1061370.63	78+39.05	39.70' LT
436	2094094.36	1061907.93	83+76.46	0.40' RT
437	2094094.29	1061941.08	84+09.61	0.39' RT
448	2094135.43	1061540.54	80+08.97	39.76' LT
457	2094135.27	1061615.54	80+83.97	39.78' LT
461	2094134.31	1062063.53	85+31.96	39.94' LT
1020	2094056.04	1061258.05	77+26.68	40.34' RT
1026	2094018.29	1061900.59	83+69.30	75.49' RT
1027	2094044.80	1061890.46	83+59.11	50.00' RT
1028	2094046.03	1061396.50	78+65.15	50.00' RT
1029	2094024.03	1061396.45	78+65.15	77.00' RT
1030	2094024.30	1061287.97	77+56.68	77.00' RT
1031	2093878.30	1061287.59	77+56.68	218.00' RT
1032	2093878.03	1061396.09	78+65.15	218.00' RT
1033	2094041.03	1061396.49	78+65.15	55.00' RT
1034	2094039.80	1061892.37	83+61.04	55.00' RT
1054	2094155.27	1061370.64	78+39.02	59.17' LT
1055	2094146.07	1061379.82	78+48.22	50.00' LT
1056	2094145.67	1061540.55	80+08.96	50.00' LT
1057	2094145.49	1061615.55	80+83.96	50.00' LT
1058	2094144.37	1062063.54	85+31.95	50.00' LT
1060	2094151.09	1061374.82	78+43.21	55.00' LT
1061	2094150.67	1061540.56	80+08.95	55.00' LT
1062	2094150.49	1061615.56	80+83.95	55.00' LT
1063	2094149.84	1061874.19	83+42.58	55.00' LT
1064	2094189.84	1061874.29	83+42.58	95.00' LT
1065	2094189.63	1061960.04	84+28.33	95.00' LT
1066	2094154.63	1061959.95	84+28.33	60.00' LT
1067	2094154.37	1062063.55	85+31.93	60.00' LT

LINE TABLE		
NUM	BEARING	DISTANCE
L9	S44°57'35"E	5.91
L10	N44°57'35"W	7.08
L11	S44°57'35"E	12.99
L12	N00°02'41"E	19.47
L13	S00°03'39"W	5.00
L14	S00°03'39"W	10.24
L17	N00°08'30"E	5.00
L18	S00°08'30"W	22.00
L19	S20°53'51"E	5.36
L20	N20°53'51"W	23.03
L21	N20°53'51"W	28.38
L22	S05°30'51"W	36.53

PROPOSED TEMPORARY EASEMENT
 PROPOSED PERMANENT EASEMENT

PROPOSED TEMPORARY EASEMENT

N. DOUGLAS LANE
 33' RIGHT-OF-WAY

STATE OF ILLINOIS)
) SS
 COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, GERARDO P. SANCHEZ, AN ILLINOIS PROFESSIONAL LAND SURVEYOR LICENSE NO. 035-003486, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 2 AND 3, TOWNSHIP 45 NORTH, RANGE 10 EAST AND SECTIONS 34 AND 35, TOWNSHIP 46 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 19TH DAY OF AUGUST 2015 A.D.

Gerardo P. Sanchez
 GERARDO P. SANCHEZ, PRESIDENT

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003486
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2014

ILLINOIS PROFESSIONAL DESIGN FIRM REGISTRATION NO.: 184-004601

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PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 132 (GRAND AVENUE)(S.A. ROUTE 6)
 LIMITS: MLNN TO GRANADA COUNTY; LAKE
 SECTIONS: 12996 JOB NO.: R-91-037-13
 STATION 77+56.68 TO STATION 85+31.96
 SCALE: 1"=30' SHEET A4 OF 24
 BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196

LEGEND

SECTION / QUARTER SECTION LINE
 PLATTED LOT LINES
 PROPERTY (DEED) LINE
 APPARENT PROPERTY LINE
 EXISTING CENTERLINE
 PROPOSED CENTERLINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 EXISTING EASEMENT
 PROPOSED EASEMENT
 EXISTING ACCESS CONTROL LINE
 PROPOSED ACCESS CONTROL LINE
 MEASURED DIMENSION
 COMPUTED DIMENSION
 RECORDED DIMENSION
 EXISTING BUILDING

ABBREVIATIONS:
 P.O.C. - POINT OF COMMENCEMENT
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SURVEY NOTES

- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
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- ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES DIVIDE GRID DISTANCES SHOWN BY THE COMBINED FACTOR OF 0.9999499714.
- AREAS SHOWN ON THIS PLAT ARE "GROUND".

○ IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
 + CUT CROSS FOUND OR SET ● 5 / 8" REBAR SET

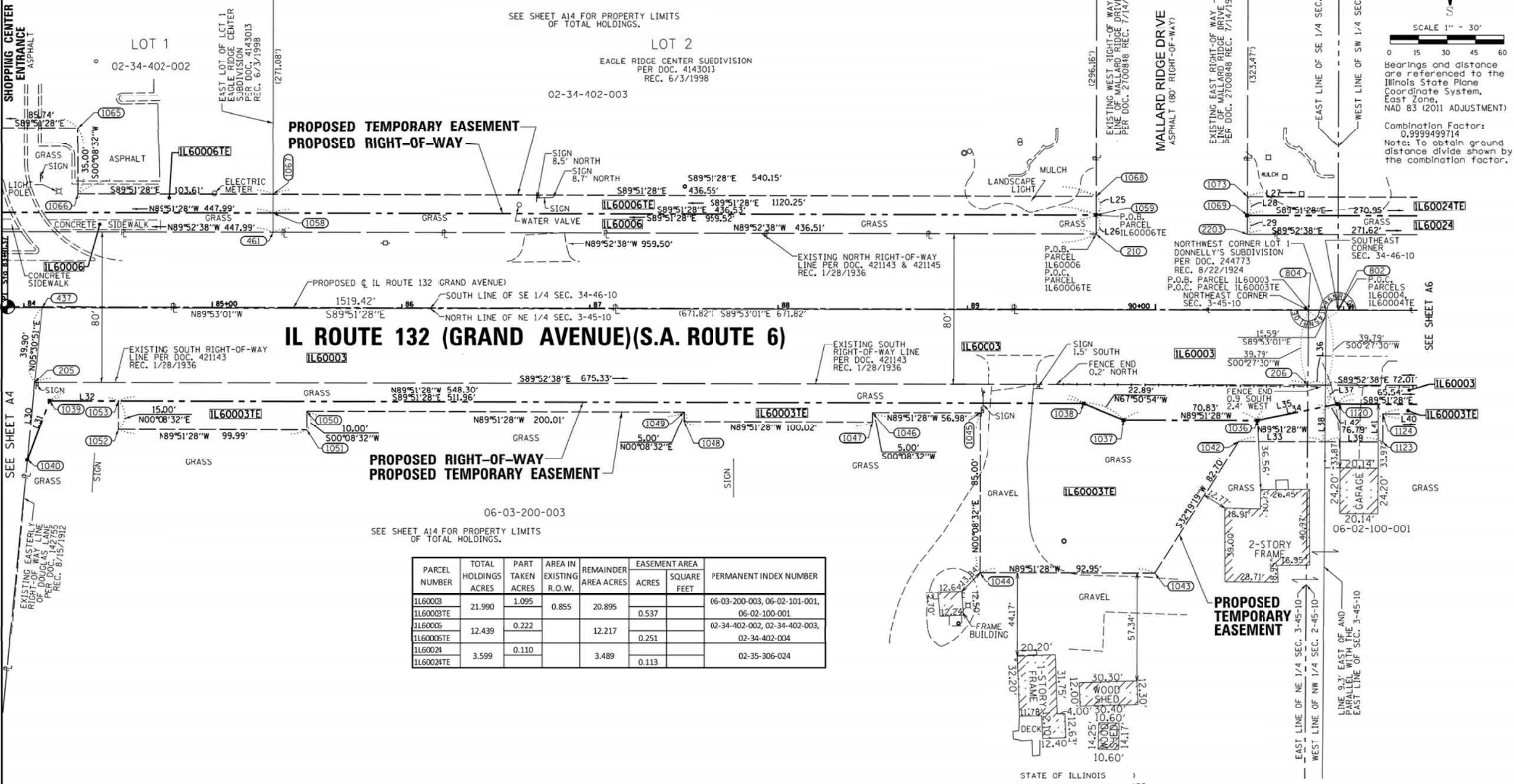
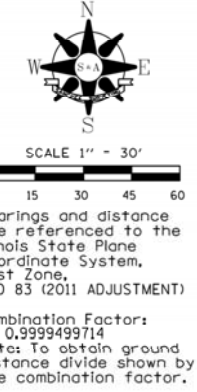
■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
 □ RIGHT OF WAY STAKING PROPOSED TO BE SET

REVISION DATE: 08/21/2014, 09/12/2014, 04/07/2015, 08/19/2015, 10/22/2015 REVISION MADE BY: WJG

PART OF THE SE 1/4 OF SECTION 34 OF TWP. 46 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.
 PART OF THE NE 1/4 OF SECTION 3 OF TWP. 45 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.
 PART OF THE SW 1/4 OF SECTION 35 OF TWP. 46 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.
 PART OF THE NW 1/4 OF SECTION 2 OF TWP. 45 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

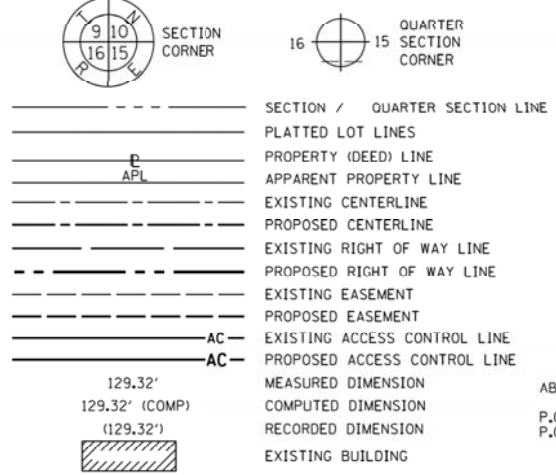
PROJECT COORDINATES				
ILLINOIS STATE PLANE, EAST ZONE, NAD 83(2011)				
POINT TABLE				
POINT #	NORTHING	EASTING	STATION	OFFSET
205	2094054.58	1061937.24	84+05.87	40.11' RT
206	2094053.14	1062612.58	90+81.20	39.87' RT
210	2094133.38	1062500.04	89+68.47	40.09' LT
437	2094094.29	1061941.08	84+09.61	0.39' RT
461	2094134.31	1062063.53	85+31.96	39.94' LT
802	2094092.90	1062628.48	90+97.01	0.07' RT
804	2094092.93	1062612.89	90+81.42	0.08' RT
1036	2094034.50	1062585.35	90+54.03	58.58' RT
1037	2094034.67	1062514.52	89+83.19	58.58' RT
1038	2094043.31	1062493.31	89+61.97	50.00' RT
1039	2094044.67	1061945.01	84+13.66	50.00' RT
1040	2094013.58	1061933.29	84+02.01	81.12' RT
1042	2094023.10	1062575.30	90+44.00	70.00' RT
1043	2093953.21	1062531.08	89+99.95	140.00' RT
1044	2093953.44	1062438.12	89+07.00	140.00' RT
1045	2094038.44	1062438.33	89+07.00	35.00' RT
1046	2094038.58	1062381.35	88+50.02	55.00' RT
1047	2094033.58	1062381.34	88+50.02	60.00' RT
1048	2094033.83	1062281.32	87+50.00	60.00' RT
1049	2094038.83	1062281.34	87+50.00	55.00' RT
1050	2094039.33	1062081.33	85+49.99	55.00' RT
1051	2094029.33	1062081.30	85+49.99	65.00' RT
1052	2094029.58	1061981.31	84+50.00	65.00' RT
1053	2094044.58	1061981.35	84+50.00	50.00' RT
1057	2094145.49	1061615.55	80+83.96	50.00' LT
1058	2094144.37	1062063.54	85+31.95	50.00' LT
1059	2094143.29	1062500.07	89+68.48	50.00' LT
1062	2094150.49	1061615.56	80+83.95	55.00' LT
1065	2094189.63	1061960.04	84+28.33	95.00' LT
1066	2094154.63	1061959.95	84+28.33	60.00' LT
1067	2094154.37	1062063.55	85+31.93	60.00' LT
1068	2094153.29	1062500.10	89+68.48	60.00' LT
1069	2094143.09	1062580.07	90+48.48	50.00' LT
1073	2094153.09	1062580.10	90+48.48	60.00' LT
1120	2094042.97	1062628.10	90+96.93	50.00' RT
1123	2094022.91	1062652.09	91+20.79	70.00' RT
1124	2094037.91	1062652.13	91+20.79	55.00' RT
2203	2094133.21	1062580.04	90+48.47	40.11' LT



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W.	REMAINDER AREA ACRES	EASEMENT AREA ACRES	SQUARE FEET	PERMANENT INDEX NUMBER
1L60003	21.990	1.095	0.855	20.895	0.537		06-03-200-003, 06-02-101-001, 06-02-100-001
1L60006	12.439	0.222		12.217	0.251		02-34-402-002, 02-34-402-003, 02-34-402-004
1L60024	3.599	0.110		3.489	0.113		02-35-306-024

NUM	BEARING	DISTANCE
L25	S00°09'19"W	10.00'
L26	S00°09'19"W	9.91'
L27	S89°51'28"E	270.94'
L28	N00°09'19"E	10.00'
L29	N00°09'19"E	9.89'
L30	N05°30'51"E	41.19'
L31	S20°40'01"W	33.22'
L32	N89°51'28"W	36.34'
L33	N89°51'28"W	46.34'
L34	S78°49'57"W	37.14'
L35	S78°49'57"W	43.75'
L36	S89°52'38"E	9.30'
L37	S00°27'30"W	11.43'
L38	S00°27'30"W	18.70'
L39	N89°51'28"W	30.45'
L40	N89°51'28"W	198.63'
L41	S00°08'32"W	15.00'
L42	S78°49'57"W	6.61'

LEGEND



SURVEY NOTES

- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
- BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM 1983 (2011 ADJUSTMENT) "GRID".
- ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES DIVIDE GRID DISTANCES SHOWN BY THE COMBINED FACTOR OF 0.9999499714.
- AREAS SHOWN ON THIS PLAT ARE "GROUND".
- o IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- "MAG" NAIL SET
- 5 / 8" REBAR SET
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

THIS IS TO CERTIFY THAT I, GERARDO P. SANCHEZ, AN ILLINOIS PROFESSIONAL LAND SURVEYOR LICENSE NO. 035-003486, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 2 AND 3, TOWNSHIP 45 NORTH, RANGE 10 EAST AND SECTIONS 34 AND 35, TOWNSHIP 46 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 19TH DAY OF AUGUST 2015 A.D.

Gerardo P. Sanchez
 GERARDO P. SANCHEZ, PRESIDENT

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003486
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2014

ILLINOIS PROFESSIONAL DESIGN FIRM REGISTRATION NO.: 184-004601

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

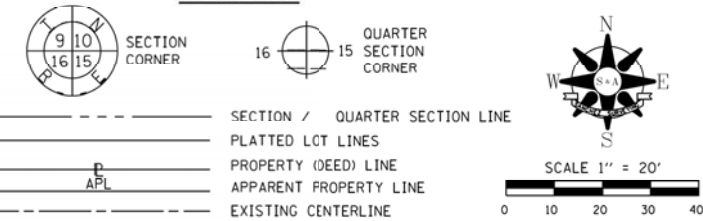
S & A SANCHEZ & ASSOCIATES, P.C.
 LAND SURVEYORS
 8604 W. CATALPA AVE. STE 912 CHICAGO, IL 60656
 PH 773-444-0144 FAX 847-232-3104

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 132 (GRAND AVENUE/SA-ROUTE 6)
 LIMITS: MLNN TO GRANADA COUNTY; LAKE
 SECTIONS: 12996 JOB NO.: R-91-037-13
 STATION 84+02.01 TO STATION 91+20.79
 SCALE: 1"=30' SHEET A5 OF 24

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196

PART OF THE SE 1/4 OF SECTION 34 OF TWP. 46 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.
 PART OF THE NE 1/4 OF SECTION 3 OF TWP. 45 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.
 PART OF THE SW 1/4 OF SECTION 35 OF TWP. 46 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.
 PART OF THE NW 1/4 OF SECTION 2 OF TWP. 45 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

LEGEND

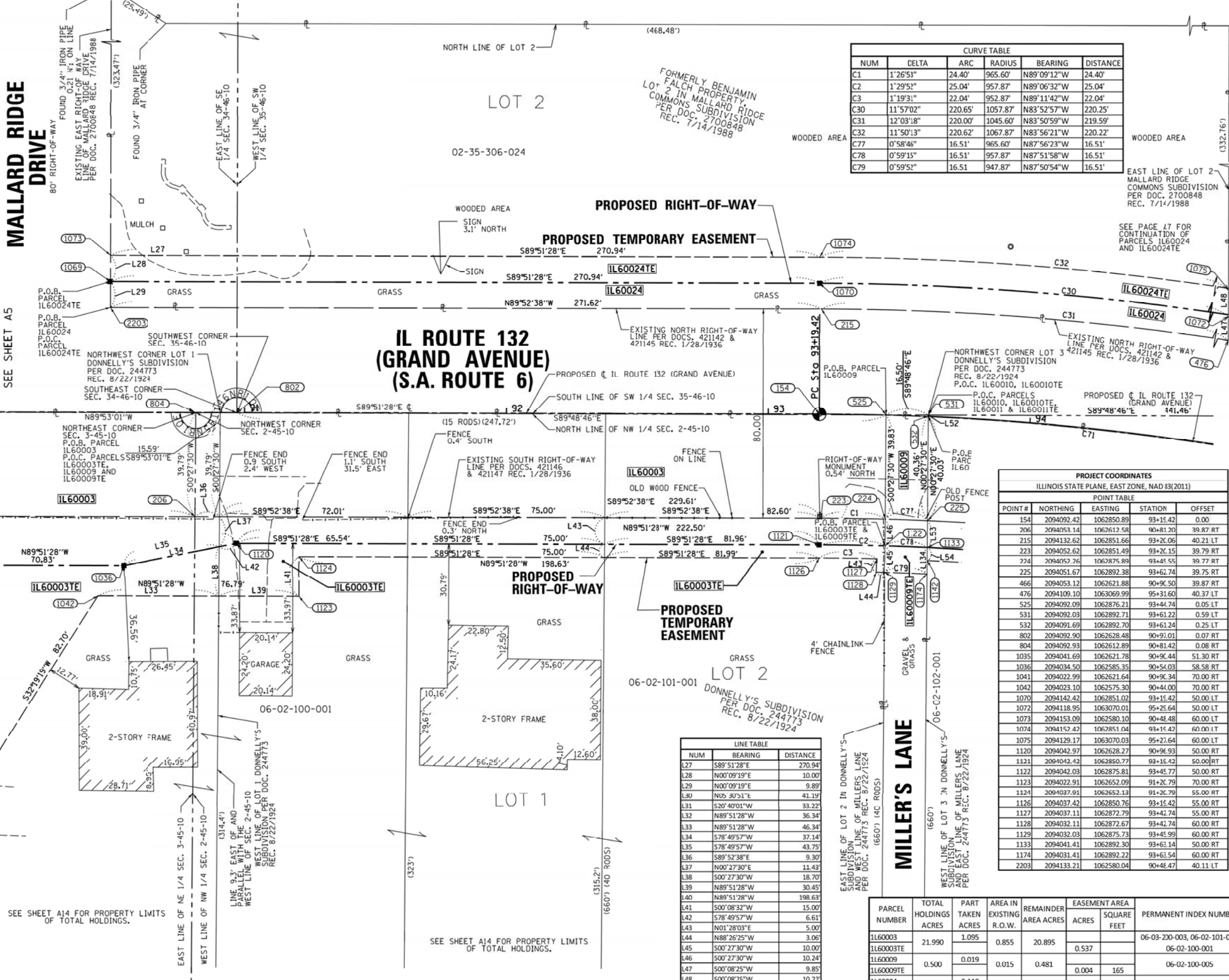


NUM	DELTA	ARC	RADIUS	BEARING	DISTANCE
C1	1°26'53"	24.40'	965.60'	N89°09'12"W	24.40'
C2	1°29'52"	25.04'	957.87'	N89°06'32"W	25.04'
C3	1°19'31"	22.04'	952.87'	N89°11'42"W	22.04'
C30	11°57'02"	220.65'	1057.87'	N83°52'57"W	220.25'
C31	12°03'18"	220.00'	1045.60'	N83°50'59"W	219.59'
C32	11°50'13"	220.62'	1067.87'	N83°56'21"W	220.22'
C77	0°58'46"	16.51'	965.60'	N87°56'23"W	16.51'
C78	0°59'15"	16.51'	957.87'	N87°51'58"W	16.51'
C79	0°59'52"	16.51'	947.87'	N87°50'54"W	16.51'

MALLARD RIDGE DRIVE
80' RIGHT-OF-WAY

SEE SHEET A5

SEE SHEET AT



IL ROUTE 132 (GRAND AVENUE) (S.A. ROUTE 6)

FORMERLY BENJAMIN LOT 2 IN MALLARD RIDGE COMMONS SUBDIVISION PER DOC. 2700848 REC. 7/14/1988

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD 83(2011)

POINT#	NORTHING	EASTING	STATION	OFFSET
154	2094092.42	1062850.89	93+15.42	0.00
206	2094053.14	1062612.58	90+81.20	39.87 RT
215	2094132.62	1062851.66	93+20.06	40.21 LT
223	2094052.62	1062851.49	93+20.15	39.79 RT
224	2094052.26	1062875.99	93+45.55	39.77 RT
225	2094051.67	1062892.38	93+62.74	39.75 RT
466	2094053.12	1062621.88	90+90.50	39.87 RT
476	2094109.10	1063069.99	95+31.60	40.37 LT
525	2094092.09	1062876.21	93+44.74	0.05 LT
531	2094092.03	1062892.71	93+61.22	0.59 LT
532	2094091.69	1062892.70	93+61.24	0.25 LT
802	2094092.90	1062628.48	90+97.01	0.07 RT
804	2094092.93	1062612.89	90+81.42	0.08 RT
1035	2094041.69	1062621.78	90+90.44	51.30 RT
1036	2094034.50	1062585.35	90+54.03	58.58 RT
1041	2094022.99	1062621.64	90+90.34	70.00 RT
1042	2094023.10	1062575.30	90+44.00	70.00 RT
1070	2094142.42	1062851.02	93+15.42	50.00 LT
1072	2094118.95	1063070.01	95+25.64	50.00 LT
1073	2094153.09	1062580.10	90+48.48	60.00 LT
1074	2094152.42	1062851.04	93+15.42	60.00 LT
1075	2094129.17	1063070.03	95+27.64	60.00 LT
1120	2094042.97	1062628.27	90+90.93	50.00 RT
1121	2094042.42	1062850.77	93+15.42	50.00 RT
1122	2094042.03	1062875.81	93+45.77	50.00 RT
1123	2094022.91	1062652.09	91+20.79	70.00 RT
1124	2094037.91	1062652.13	91+20.79	55.00 RT
1126	2094037.42	1062850.76	93+15.42	55.00 RT
1127	2094037.11	1062872.79	93+42.74	55.00 RT
1128	2094032.11	1062872.67	93+42.74	60.00 RT
1129	2094032.03	1062875.73	93+45.99	60.00 RT
1133	2094041.41	1062892.30	93+61.14	50.00 RT
1174	2094031.41	1062892.22	93+61.54	60.00 RT
2203	2094133.21	1062580.04	90+48.47	40.11 LT

NUM	BEARING	DISTANCE
L27	S89°51'28"E	270.94'
L28	N00°09'19"E	10.00'
L29	N00°09'19"E	9.89'
L30	N05°30'51"E	41.19'
L31	S20°40'01"W	33.22'
L32	N89°51'28"W	36.34'
L33	N89°51'28"W	46.34'
L34	S78°49'57"W	37.14'
L35	S78°49'57"W	43.75'
L36	S89°52'38"E	9.30'
L37	N00°27'30"E	11.43'
L38	S00°27'30"W	18.70'
L39	N89°51'28"W	30.45'
L40	N89°51'28"W	198.63'
L41	S00°08'32"W	15.00'
L42	S78°49'57"W	6.61'
L43	N01°28'03"E	5.00'
L44	N88°26'25"W	3.06'
L45	S00°27'30"W	10.00'
L46	S00°27'30"W	10.24'
L47	S00°08'25"W	9.85'
L48	S00°08'25"W	10.22'
L53	N00°27'30"E	10.26'
L134	N00°27'30"E	10.01'

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W.	REMAINDER AREA ACRES	EASEMENT AREA ACRES	PERMANENT INDEX NUMBER
1L60003	21.990	1.095	0.855	20.895	0.537	06-03-200-003, 06-02-101-001,
1L60003TE						06-02-100-001
1L60009	0.500	0.019	0.015	0.481	0.004	06-02-100-005
1L60009TE					165	
1L60024	3.599	0.110		3.489	0.113	02-35-306-024
1L60024TE						

IDOT USE ONLY

STATE OF ILLINOIS)
 COUNTY OF COOK)
 THIS IS TO CERTIFY THAT I, GERARDO P. SANCHEZ, AN ILLINOIS PROFESSIONAL LAND SURVEYOR LICENSE NO. 035-003486, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 2 AND 3, TOWNSHIP 45 NORTH, RANGE 10 EAST AND SECTIONS 34 AND 35, TOWNSHIP 46 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 16TH DAY OF JUNE 2015 A.D.
 Gerardo P. Sanchez
 GERARDO P. SANCHEZ, PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003486
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2014
 ILLINOIS PROFESSIONAL DESIGN FIRM REGISTRATION NO.: 184-004601
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

S & A SANCHEZ & ASSOCIATES, P.C.
 LAND SURVEYORS
 8604 W. CATALPA AVE. STE 912 CHICAGO, IL 60656
 PH 773-444-0144 FAX 847-232-3104

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 132 (GRAND AVENUE)
 LIMITS: MLNN TO GRANADA COUNTY: LAKE
 SECTIONS: 12996 JOB NO.: R-91-Q37-13
 STATION 90+44.00 TO STATION 95+31.60
 SCALE: 1"=20' SHEET A6 OF 24
BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196

PART OF THE SW 1/4 OF SECTION 35 OF TWP. 46 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.
PART OF THE NW 1/4 OF SECTION 2 OF TWP. 45 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

NUM	DELTA	ARC	RADIUS	BEARING	DISTANCE
C4	6°45'40"	113.94	965.60	S89°04'10"E	113.88
C5	6°42'49"	112.24	957.87	N4°00'56"W	112.17
C6	1°38'35"	26.90	937.87	N11°29'36"W	26.90
C7	5°02'46"	83.92	952.87	N4°50'17"W	83.89
C8	12°56'35"	218.13	965.60	S65°39'16"E	217.67
C9	21°20'41"	356.84	957.87	N49°59'11"W	354.78
C10	15°28'41"	257.41	952.87	N47°06'22"W	256.63
C11	1°14'04"	20.21	937.87	N73°27'44"W	20.21
C12	3°30'45"	58.41	952.87	N77°50'09"W	58.41
C13	1°04'47"	17.67	937.87	N40°07'55"W	17.67
C30	11°57'02"	220.65	1057.87	N13°52'57"W	220.25
C31	12°03'18"	220.00	1045.60	N13°50'59"W	219.59
C32	11°50'13"	220.62	1067.87	N13°56'21"W	220.22
C33	2°03'01"	37.86	1057.87	S76°52'55"E	37.85
C34	5°42'05"	104.05	1045.60	N74°58'17"W	104.01
C35	2°09'47"	40.33	1067.87	S76°56'19"E	40.33
C36	3°29'36"	64.81	1062.87	S74°06'36"E	64.80
C37	1°59'28"	36.94	1062.87	S71°22'04"E	36.93
C38	33°43'59"	15.70	26.66	N18°02'48"W	15.47
C39	1°06'59"	20.57	1055.60	N11°44'17"W	20.57
C71	6°52'12"	120.57	1005.60	S84°05'53"E	120.50
C72	8°13'13"	144.28	1005.60	S76°39'11"E	144.15
C73	3°25'35"	60.14	1005.60	S78°57'00"E	60.13
C74	4°47'38"	84.14	1005.60	S74°50'24"E	84.12
C75	5°57'16"	104.51	1005.60	N74°21'31"W	104.46
C77	0°58'46"	16.51	965.60	N13°56'23"W	16.51
C78	0°59'15"	16.51	957.87	N13°51'58"W	16.51
C79	0°59'52"	16.51	947.87	N13°50'54"W	16.51

NUM	BEARING	DISTANCE
L45	S0°27'30"W	10.00
L46	S0°27'30"W	10.24
L47	N00°08'25"E	9.85
L48	N00°08'25"E	10.22
L49	S14°08'36"W	5.00
L50	S14°08'36"W	10.00
L51	S00°03'27"E	4.83
L52	S00°27'30"W	0.34
L53	N00°27'30"E	10.26
L54	N00°27'30"E	5.00
L55	N7°41'06"E	15.00
L56	S09°57'14"W	20.00
L57	S09°57'14"W	10.34
L58	S10°24'28"W	15.00
L59	N13°55'13"E	15.00
L60	S15°09'18"W	15.00
L61	S40°42'30"W	5.08
L62	S40°42'30"W	10.54
L134	S0°27'30"W	10.01

LEGEND

SECTION CORNER
QUARTER CORNER

SECTION / QUARTER SECTION LINE
PLATTED LCT LINES
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
EXISTING CENTERLINE
PROPOSED CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORDED DIMENSION
EXISTING BUILDING

SCALE 1" = 20'

Bearings and distance are referenced to the Illinois State Plane Coordinate System, East Zone, NAD 83 (2011 ADJUSTMENT)
Combination Factor: 0.9999499714
Note: To obtain ground distance divide the grid distance shown by the combination factor.

ABBREVIATIONS:
P.O.C. - POINT OF COMMENCEMENT
P.O.B. - POINT OF BEGINNING

SURVEY NOTES:
- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
- BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM 1983 (2011 ADJUSTMENT) "GRID".
- ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES DIVIDE GRID DISTANCES SHOWN BY THE COMBINED FACTOR OF 0.9999499714.
- AREAS SHOWN ON THIS PLAT ARE "GROUND".

IRON PIPE OR ROD FOUND
CUT CROSS FOUND OR SET
"MAG" NAIL SET
5 / 8" REBAR SET

STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS
COUNTY OF COOK

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD 83(2011)

POINT #	NORTHING	EASTING	STATION	OFFSET
224	2094052.26	1062875.89	93+55.55	39.77' RT
225	2094051.67	1062892.38	93+62.74	39.75' RT
226	2093916.29	1063344.10	98+58.62	39.62' RT
476	2094109.10	1063099.99	95+31.60	40.37' LT
479	2094082.13	1063170.43	96+31.64	40.40' LT
480	2094040.00	1063170.48	96+44.62	0.41' LT
481	2094066.16	1063099.89	95+40.15	0.37' LT
486	2094086.19	1063189.96	96+48.15	50.41' LT
487	2094092.64	1063170.42	96+28.56	50.40' LT
531	2094092.03	1062892.71	93+61.22	0.59' LT
532	2094091.69	1062892.70	93+61.24	0.25' LT
533	2094079.30	1063012.57	94+81.78	0.34' LT
537	2094045.78	1063152.77	96+26.00	0.40' LT
539	2094006.02	1063145.79	96+31.57	39.60' RT
540	2094039.90	1063005.65	94+81.35	39.66' RT
1072	2094118.95	1063070.01	95+29.64	50.00' LT
1075	2094129.17	1063070.03	95+27.64	60.00' LT
1076	2094120.05	1063109.32	95+65.71	60.00' LT
1077	2094115.20	1063108.10	95+65.71	55.00' LT
1078	2094097.46	1063170.42	96+27.16	55.00' LT
1079	2094110.35	1063105.88	95+65.71	50.00' LT
1080	2094085.66	1063205.42	96+62.19	55.00' LT
1081	2094055.72	1063280.28	97+38.66	55.00' LT
1122	2094042.03	1062875.81	93+45.77	50.00' RT
1129	2094032.03	1062875.73	93+45.99	60.00' RT
1133	2094041.41	1062892.30	93+63.14	50.00' RT
1134	2094029.72	1063003.86	94+81.24	50.00' RT
1135	2093908.30	106337.22	98+56.71	50.00' RT
1136	2093904.45	106333.91	98+55.77	55.00' RT
1137	2094004.28	1063097.50	95+83.50	55.00' RT
1138	2093989.80	1063059.58	95+83.50	70.00' RT
1139	2094010.02	1063000.41	94+81.01	70.00' RT
1140	2094014.00	1062973.81	94+52.10	70.00' RT
1141	2094028.86	1062975.81	94+52.10	55.00' RT
1142	2094036.41	1062892.26	93+63.34	55.00' RT
1143	2093994.88	1063074.01	95+61.79	70.00' RT
1144	2094009.44	1063077.62	95+61.79	55.00' RT
1145	2094021.74	1063020.53	95+00.00	55.00' RT
1146	2094006.99	1063017.82	95+00.00	70.00' RT
1174	2094031.41	1062892.22	93+63.54	60.00' RT

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING SQUARE FEET	REMAINDER AREA ACRES	EASEMENT AREA ACRES	PERMANENT INDEX NUMBER
1L60009	0.500	0.019	0.015	0.481	0.004	06-02-100-005
1L60009TE						
1L60010	0.997	0.134	0.108	0.863	0.022	06-02-102-001
1L60010TE						
1L60011	3.235	0.218	0.132	3.017	0.057	06-02-100-003, 06-02-102-002, 06-02-102-003, 06-02-102-004
1L60011TE						
1L60025	0.713	0.127	0.096	0.586	0.009	06-02-100-002, 02-35-300-002
1L60025TE						
1L60026	0.256	0.003	144	0.253		02-35-306-023

SEE SHEET A6

SEE SHEET AB

REVISION DATE: 08/21/2014, 9/12/2014, 3/18/2015 REVISION MADE BY: WJG

NOTE: SEE STATION/OFFSET IN POINT TABLE FOR RELATIONSHIP OF EXISTING CENTERLINE TO PROPOSED CENTERLINE OF ROUTE 132

DOT USE ONLY

S & A SANCHEZ & ASSOCIATES, P.C.
LAND SURVEYORS
8604 W. CATALPA AVE. STE 912 CHICAGO, IL 60656
PH 773-444-0144 FAX 847-232-3104

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 132 (GRAND AVENUE)
LIMITS: MLNN TO GRANADA COUNTY; LAKE
SECTIONS: 12996 JOB NO.: R-91-037-13
STATION 93+61.22 TO STATION 98+58.62
SCALE: 1"=20' SHEET A7 OF 24
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

THIS IS TO CERTIFY THAT I, GERARDO P. SANCHEZ, AN ILLINOIS PROFESSIONAL LAND SURVEYOR LICENSE NO. 035-003486, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 2 AND 3, TOWNSHIP 45 NORTH, RANGE 10 EAST AND SECTIONS 34 AND 35, TOWNSHIP 46 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 16TH DAY OF JUNE 2015 A.D.

Gerardo P. Sanchez
GERARDO P. SANCHEZ, PRESIDENT

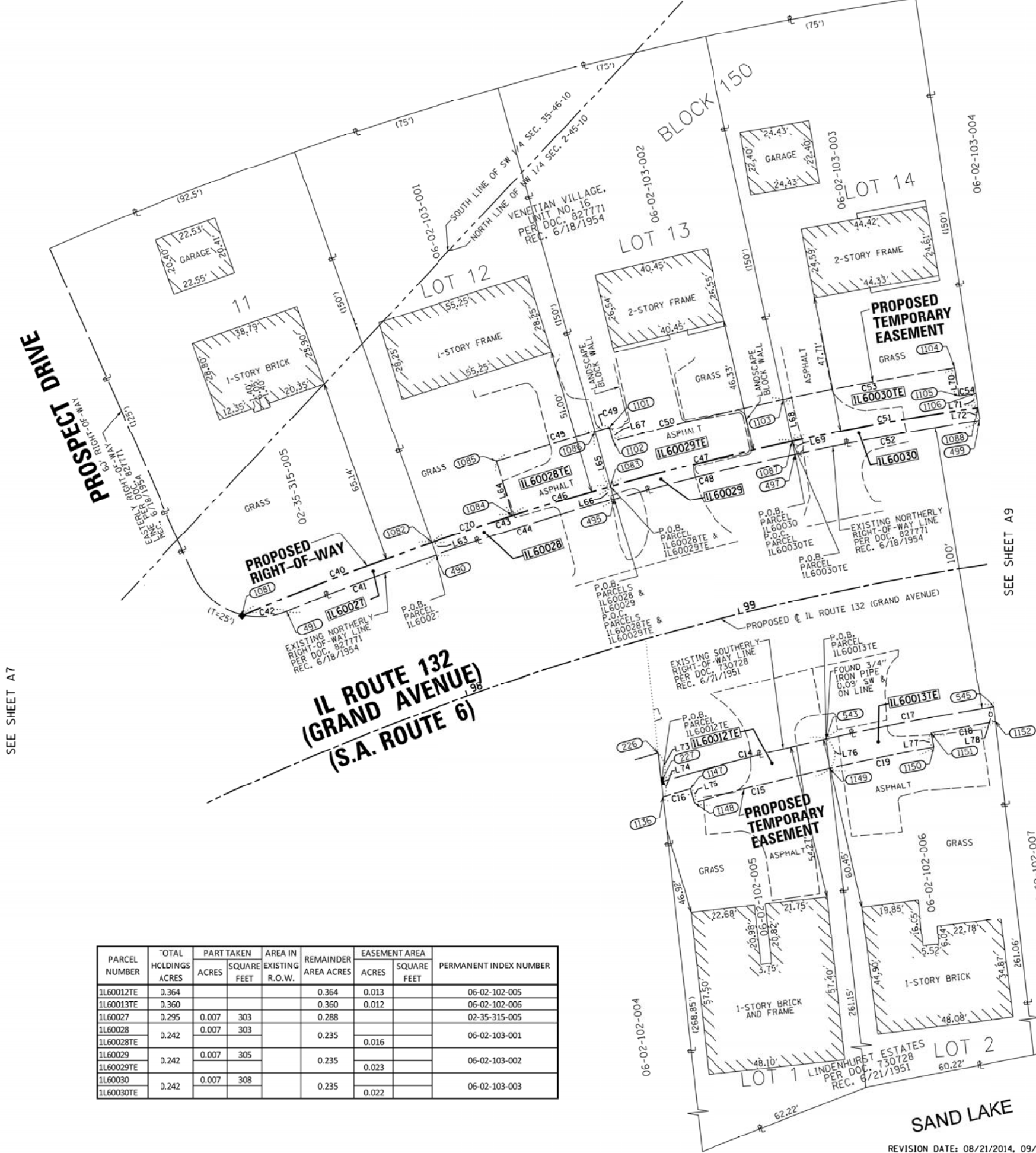
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003486
LICENSE EXPIRATION DATE: NOVEMBER 30, 2014

ILLINOIS PROFESSIONAL DESIGN FIRM REGISTRATION NO.: 184-004601

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



PART OF THE NW 1/4 OF SECTION 2 OF TWP. 45 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.
 PART OF THE SW 1/4 OF SECTION 35 OF TWP. 46 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING SQUARE FEET	REMAINDER AREA ACRES	EASEMENT AREA ACRES	SQUARE FEET	PERMANENT INDEX NUMBER
1L60012TE	0.364			0.364	0.013		06-02-102-005
1L60013TE	0.360			0.360	0.012		06-02-102-006
1L60027	0.295	0.007	303	0.288			02-35-315-005
1L60028	0.242	0.007	303	0.235			06-02-103-001
1L60028TE					0.016		
1L60029	0.242	0.007	305	0.235			06-02-103-002
1L60029TE					0.023		
1L60030	0.242	0.007	308	0.235			06-02-103-003
1L60030TE					0.022		

PROJECT COORDINATES				
ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)				
POINT TABLE				
POINT #	NORTHING	EASTING	STATION	OFFSET
226	2093916.29	1063344.10	98+58.62	39.62' RT
227	2093908.59	1063337.48	98+56.78	49.62' RT
490	2094020.81	1063341.70	98+05.67	50.40' LT
491	2094045.60	1063291.49	97+52.33	50.41' LT
495	2093988.39	1063398.81	98+68.22	50.38' LT
497	2093952.49	1063453.80	99+30.78	50.35' LT
499	2093913.18	1063506.50	99+93.40	50.31' LT
543	2093876.35	1063388.07	99+19.89	49.64' RT
545	2093840.96	1063436.58	99+83.06	49.68' RT
1081	2094055.72	1063280.28	97+38.66	55.00' LT
1082	2094024.88	1063343.84	98+05.66	55.00' LT
1083	2093992.34	1063401.21	98+68.22	55.00' LT
1084	2094010.44	1063370.33	98+34.27	55.00' LT
1085	2094027.64	1063380.55	98+34.70	75.00' LT
1086	2094009.43	1063411.60	98+68.21	75.00' LT
1087	2093956.30	1063456.45	99+30.77	55.00' LT
1088	2093916.86	1063509.41	99+93.40	55.00' LT
1101	2094006.70	1063416.06	98+73.07	75.00' LT
1102	2094002.44	1063413.44	98+73.07	70.00' LT
1103	2093968.61	1063465.02	99+30.76	70.00' LT
1104	2093932.33	1063514.02	99+87.77	70.00' LT
1105	2093924.47	1063507.85	99+87.78	60.00' LT
1106	2093920.78	1063512.52	99+93.39	60.00' LT
1136	2093904.45	1063333.91	98+55.77	55.00' RT
1147	2093899.30	1063342.50	98+66.36	55.00' RT
1148	2093895.03	1063339.90	98+66.36	60.00' RT
1149	2093868.43	1063381.29	99+18.67	60.00' RT
1150	2093846.92	1063411.64	99+58.23	60.00' RT
1151	2093850.94	1063414.61	99+58.23	55.00' RT
1152	2093836.91	1063433.12	99+82.80	55.00' RT

CURVE TABLE					
NUM	DELTA	ARC	RADIUS	BEARING	DISTANCE
C14	3°35'51"	60.00	955.60	S57°29'19"E	59.99
C15	2°58'26"	49.20	947.87	N57°16'41"W	49.19
C16	0°36'07"	10.01	952.87	N59°03'58"W	10.01
C17	3°36'04"	60.06	955.60	S53°52'21"E	60.05
C18	1°23'48"	23.23	952.87	N52°50'39"W	23.23
C19	2°14'56"	37.20	947.87	N54°40'01"W	37.20
C40	3°48'33"	70.66	1062.87	S64°07'13"E	70.65
C41	3°02'24"	56.01	1055.60	N63°43'20"W	56.00
C42	34°36'43"	15.33	25.38	N47°56'10"W	15.10
C43	3°33'22"	65.97	1062.87	S60°26'15"E	65.96
C44	3°33'54"	65.68	1055.60	N60°25'11"W	65.67
C45	1°54'18"	36.00	1082.87	S59°36'45"E	36.00
C46	1°55'47"	35.80	1062.87	N59°37'28"W	35.80
C47	3°33'22"	65.97	1062.87	S56°52'53"E	65.96
C48	3°33'54"	65.68	1055.60	N56°51'17"W	65.67
C49	0°16'34"	5.22	1082.87	S58°31'19"E	5.22
C50	3°16'47"	61.70	1077.87	S56°44'38"E	61.69
C51	3°33'37"	66.04	1062.87	S53°19'24"E	66.03
C52	3°34'09"	65.76	1055.60	N53°17'16"W	65.75
C53	3°14'28"	60.97	1077.87	S53°29'01"E	60.97
C54	0°19'10"	5.95	1067.87	S51°42'12"E	5.95
C70	1°37'35"	30.17	1062.87	N61°24'09"W	30.17

LINE TABLE		
NUM	BEARING	DISTANCE
L63	S27°44'40"W	4.60
L64	N30°42'59"E	20.01
L65	S31°18'32"W	20.00
L66	S31°18'32"W	4.62
L67	S31°36'58"W	5.00
L68	S34°51'01"W	15.00
L69	S34°51'01"W	4.65
L70	S38°08'13"W	10.00
L71	S38°23'08"W	5.00
L72	S38°23'08"W	4.69
L73	S40°42'30"W	10.15
L74	N40°42'30"E	5.47
L75	N31°14'05"E	5.00
L76	S40°33'30"W	10.42
L77	S36°27'27"W	5.00
L78	S40°31'22"W	5.32

LEGEND

SECTION / QUARTER SECTION LINE
 PLATTED LCT LINES
 PROPERTY (DEED) LINE
 APPARENT PROPERTY LINE
 EXISTING CENTERLINE
 PROPOSED CENTERLINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 EXISTING EASEMENT
 PROPOSED EASEMENT
 EXISTING ACCESS CONTROL LINE
 PROPOSED ACCESS CONTROL LINE
 MEASURED DIMENSION
 COMPUTED DIMENSION
 RECORDED DIMENSION
 EXISTING BUILDING

SCALE 1" = 20'

Bearings and distances are referenced to the Illinois State Plane Coordinate System, East Zone, NAD 83 (2011 ADJUSTMENT)

Combination Factor: 0.9999499714
 Note: To obtain ground distance divide the grid distance shown by the combination factor.

ABBREVIATIONS:
 P.O.C. - POINT OF COMMENCEMENT
 P.O.B. - POINT OF BEGINNING

SURVEY NOTES

- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
- BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM 1983 (2011 ADJUSTMENT) "GRID".
- ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES DIVIDE GRID DISTANCES SHOWN BY THE COMBINED FACTOR OF 0.9999499714.
- AREAS SHOWN ON THIS PLAT ARE "GROUND".

IRON PIPE OR ROD FOUND
 CUT CROSS FOUND OR SET
 "MAG" NAIL SET
 5 / 8" REBAR SET

STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
 RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
) SS
 COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, GERARDO P. SANCHEZ, AN ILLINOIS PROFESSIONAL LAND SURVEYOR LICENSE NO. 035-003486, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 2 AND 3, TOWNSHIP 45 NORTH, RANGE 10 EAST AND SECTIONS 34 AND 35, TOWNSHIP 46 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 16TH DAY OF JUNE 2015 A.D.

Gerardo P. Sanchez
 GERARDO P. SANCHEZ, PRESIDENT

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003486
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2014

ILLINOIS PROFESSIONAL DESIGN FIRM REGISTRATION NO.: 184-004601

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

S & A SANCHEZ & ASSOCIATES, P.C.
 LAND SURVEYORS
 8604 W. CATALPA AVE. STE 912 CHICAGO, IL 60656
 PH 773-444-0144 FAX 847-232-3104

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 132 (GRAND AVENUE)

LIMITS: MLNN TO GRANADA COUNTY; LAKE
 SECTIONS: 12996 JOB NO.: R-91-Q37-13
 STATION 97+38.66 TO STATION 99+93.40
 SCALE: 1"=20' SHEET A8 OF 24

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196

LEGEND

SECTION CORNER 9 10 15 16
QUARTER SECTION CORNER 15 16

SECTION / QUARTER SECTION LINE
PLATTED LCT LINES
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
EXISTING CENTERLINE
PROPOSED CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORDED DIMENSION
EXISTING BUILDING

SCALE 1" = 20'
0 10 20 30 40

Bearings and distances are referenced to the Illinois State Plane Coordinate System, East Zone, NAD 83 (2011 ADJUSTMENT)
Combination Factor: 0.9999499714
Note: To obtain ground distance divide the grid distance shown by the combination factor.

ABBREVIATIONS:
P.O.C. - POINT OF COMMENCEMENT
P.O.B. - POINT OF BEGINNING

SURVEY NOTES:
- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
- BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM 1983 (2011 ADJUSTMENT) "GRID".
- ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES DIVIDE GRID DISTANCES SHOWN BY THE COMBINED FACTOR OF 0.9999499714.
- AREAS SHOWN ON THIS PLAT ARE "GROUND".

IRON PIPE OR ROD FOUND
CUT CROSS FOUND OR SET
"MAG" NAIL SET
5 / 8" REBAR SET

STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
RIGHT OF WAY STAKING PROPOSED TO BE SET

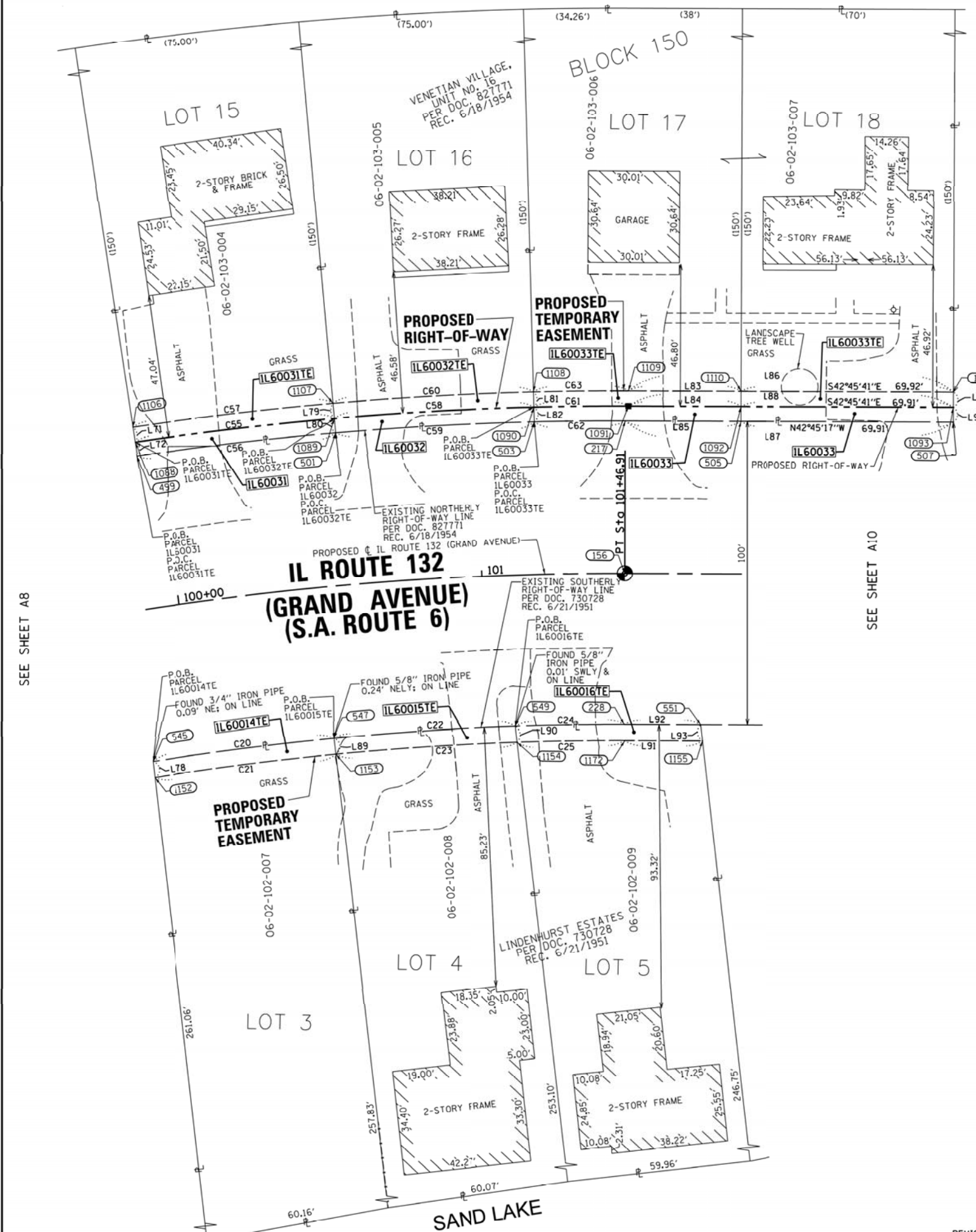
STATE OF ILLINOIS)
COUNTY OF COOK)

PROJECT COORDINATES				
ILLINOIS STATE PLANE, EAST ZONE, NAD 83(2011)				
POINT TABLE				
POINT #	NORTHING	EASTING	STATION	OFFSET
156	2093769.55	1063587.70	101+46.91	0.00'
217	2093803.63	1063624.51	101+46.91	50.17' LT
228	2093735.75	1063551.08	101+46.82	49.83' RT
499	2093913.18	1063506.50	99+93.40	50.31' LT
501	2093870.67	1063556.66	100+56.04	50.26' LT
503	2093825.27	1063603.93	101+18.48	50.20' LT
505	2093775.77	1063650.27	101+84.83	50.16' LT
507	2093724.44	1063697.73	102+54.74	50.16' LT
545	2093840.96	1063436.58	99+83.06	49.68' RT
547	2093802.59	1063482.78	100+46.24	49.73' RT
549	2093761.53	1063526.33	101+09.21	49.79' RT
551	2093717.30	1063568.14	101+72.00	49.84' RT
1088	2093916.86	1063509.41	99+93.40	55.00' LT
1089	2093874.20	1063559.83	100+56.04	55.00' LT
1090	2093828.64	1063607.35	101+18.48	55.00' LT
1091	2093806.18	1063628.73	101+47.88	55.00' LT
1092	2093779.05	1063653.82	101+84.83	55.00' LT
1093	2093727.72	1063701.29	102+54.74	55.00' LT
1106	2093920.78	1063512.52	99+93.39	60.00' LT
1107	2093877.92	1063563.17	100+56.03	60.00' LT
1108	2093832.14	1063610.92	101+18.47	60.00' LT
1109	2093809.58	1063632.41	101+47.88	60.00' LT
1110	2093782.45	1063657.49	101+84.83	60.00' LT
1111	2093731.12	1063704.96	102+54.75	60.00' LT
1152	2093836.91	1063433.12	99+82.80	55.00' RT
1153	2093798.58	1063479.35	100+46.33	55.00' RT
1154	2093757.56	1063522.94	101+09.65	55.00' RT
1155	2093713.35	1063564.76	101+72.60	55.00' RT
1172	2093731.50	1063547.97	101+47.88	55.00' RT

CURVE TABLE						
NUM	DELTA	ARC	RADIUS	BEARING	DISTANCE	
C20	3°36'05"	60.07'	955.60'	S50°17'17"E	60.06'	
C21	3°36'42"	60.07'	952.87'	N50°20'24"W	60.06'	
C22	3°35'21"	59.86'	955.60'	S46°41'34"E	59.85'	
C23	3°35'59"	59.87'	952.87'	N46°44'03"W	59.86'	
C24	2°08'36"	35.75'	955.60'	S43°49'35"E	35.74'	
C25	2°10'23"	36.14'	952.87'	N43°50'52"W	36.14'	
C55	3°33'39"	66.06'	1062.87'	S49°45'46"E	66.04'	
C56	3°34'10"	65.76'	1055.60'	N49°43'06"W	65.75'	
C57	3°33'38"	66.36'	1067.87'	S49°45'48"E	66.35'	
C58	3°32'59"	65.85'	1062.87'	S46°12'27"E	65.84'	
C59	3°33'28"	65.55'	1055.60'	N46°09'17"W	65.54'	
C60	3°33'00"	66.16'	1067.87'	S46°12'28"E	66.15'	
C61	1°40'17"	31.01'	1062.87'	S43°35'49"E	31.00'	
C62	1°37'16"	29.87'	1055.60'	N43°35'55"W	29.87'	
C63	1°40'18"	31.15'	1067.87'	S43°35'50"E	31.15'	

LINE TABLE		
NUM	BEARING	DISTANCE
L71	S38°23'08"W	5.00'
L72	S38°23'08"W	4.69'
L78	S40°31'22"W	5.32'
L79	S41°55'05"W	5.00'
L80	S41°55'05"W	4.74'
L81	S45°32'00"W	5.00'
L82	S45°32'00"W	4.80'
L83	S42°45'41"E	152.12'
L84	S42°45'41"E	36.95'
L85	N42°45'17"W	235.05'
L86	S42°45'41"E	106.87'
L87	N42°45'17"W	107.86'
L88	S42°45'41"E	106.87'
L89	S40°31'47"W	5.27'
L90	S40°28'16"W	5.23'
L91	N42°45'41"W	24.72'
L92	S42°45'17"E	25.13'
L93	S40°36'03"W	5.20'
L94	S47°15'58"W	5.00'
L95	S47°15'58"W	4.84'

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN		AREA IN EXISTING R.O.W.	REMAINDER AREA ACRES	EASEMENT AREA		PERMANENT INDEX NUMBER
		ACRES	SQUARE FEET			ACRES	SQUARE FEET	
1L60014TE	0.358			0.358	0.007	318		06-02-102-007
1L60015TE	0.352			0.352	0.007	314		06-02-102-008
1L60016TE	0.346			0.346	0.007	315		06-02-102-009
1L60031	0.242	0.007	311		0.235			06-02-103-004
1L60031TE						0.008	331	
1L60032	0.242	0.007	313		0.235			06-02-103-005
1L60032TE						0.008	330	
1L60033		0.015						
1L60033TE	0.482			0.467		0.016		06-02-103-006, 06-02-103-007



IDOT USE ONLY

S & A SANCHEZ & ASSOCIATES, P.C.
LAND SURVEYORS

8604 W. CATALPA AVE. STE 912 CHICAGO, IL 60656
PH 773-444-0144 FAX 847-232-3104

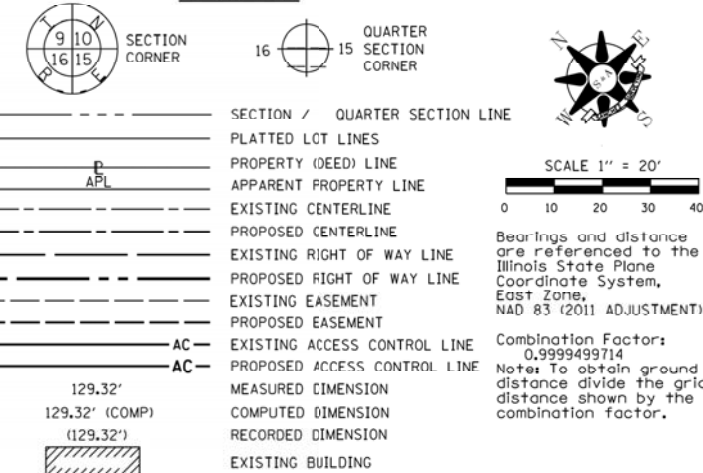
PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 132 (GRAND AVENUE)

LIMITS: MLNN TO GRANADA COUNTY; LAKE
SECTIONS: 12996 JOB NO.: R-91-037-13
STATION 99+83.06 TO STATION 102+54.74
SCALE: 1"=20' SHEET A9 OF 24

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

PART OF THE NW 1/4 OF SECTION 2 OF TWP. 45 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

LEGEND



PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)

POINT #	NORTHING	EASTING	STATION	OFFSET
157	2093629.70	1063717.02	103+37.39	0.00'
505	2093775.17	1063650.27	101+84.83	50.16' LT
507	2093724.44	1063697.73	102+54.74	50.16' LT
509	2093673.10	1063745.19	103+24.65	50.15' LT
513	2093629.99	1063819.09	104+06.75	74.88' LT
515	2093631.84	1063784.08	103+82.12	49.98' LT
551	2093717.30	1063568.14	101+72.00	49.84' RT
553	2093662.23	1063619.06	102+47.00	49.84' RT
555	2093618.20	1063659.76	103+06.96	49.85' RT
557	2093574.21	1063700.44	103+66.69	49.97' RT
559	2093530.04	1063741.27	104+26.84	50.19' RT
1093	2093727.72	1063701.29	102+54.74	55.00' LT
1094	2093676.39	1063748.76	103+24.66	55.00' LT
1095	2093645.65	1063777.34	103+66.83	55.00' LT
1096	2093626.11	1063804.51	103+99.65	61.56' LT
1097	2093623.62	1063806.85	104+03.07	61.58' LT
1111	2093731.12	1063704.96	102+54.75	60.00' LT
1112	2093697.89	1063735.69	103+00.00	60.00' LT
1113	2093708.87	1063746.70	103+00.00	75.00' LT
1114	2093690.00	1063763.50	103+24.67	75.06' LT
1115	2093630.87	1063819.18	104+06.75	75.00' LT
1132	2093667.19	1063757.27	103+37.19	55.00' LT
1155	2093713.35	1063564.76	101+72.60	55.00' RT
1156	2093658.73	1063615.27	102+47.00	55.00' RT
1157	2093614.70	1063655.98	103+06.96	55.00' RT
1158	2093570.79	1063696.74	103+66.67	55.00' RT
1159	2093526.78	1063737.74	104+26.82	55.00' RT

CURVE TABLE

NUM	DELTA	ARC	RADIUS	BEARING	DISTANCE
C64	58°24'10"	25.02'	24.54'	N71°57'22"W	23.95'
C65	32°39'06"	13.99'	24.54'	S62°31'00"W	13.80'
L69	91°03'16"	39.01'	24.54'	S88°16'55"E	35.03'

LINE TABLE

NUM	BEARING	DISTANCE
L87	N42°45'17"W	107.86'
L88	S42°45'41"E	106.87'
L93	S40°36'03"W	5.20'
L94	S47°15'58"W	5.00'
L95	S47°15'58"W	4.84'
L96	N47°14'19"E	15.00'
L97	S47°17'06"W	20.06'
L98	S47°17'06"W	4.85'
L99	S42°45'35"W	12.54'
L100	S42°58'17"E	29.44'
L101	S54°16'55"E	33.47'
L102	S43°17'49"E	3.42'
L103	S46°11'26"W	0.12'
L104	S47°12'55"W	5.16'
L105	S47°13'39"W	5.15'
L106	S47°13'32"W	5.04'
L107	S47°15'54"W	4.81'

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN		AREA IN EXISTING R.O.W.	REMAINDER AREA ACRES		EASEMENT AREA		PERMANENT INDEX NUMBER
		ACRES	SQUARE FEET		ACRES	SQUARE FEET	ACRES	SQUARE FEET	
1L60017TE	0.337				0.337	0.009	386		06-02-102-010
1L60018TE	0.326				0.326	0.007	309		06-02-102-011
1L60019TE	0.326				0.326	0.007	305		06-02-102-012
1L60020TE	0.333				0.333	0.007	296		06-02-102-013
1L60034	0.241	0.008	339		0.233				06-02-103-008
1L60034TE						0.017			
1L60035	0.274	0.010	446		0.264				06-02-103-009
1L60035TE						0.034			

- ABBREVIATIONS:**
P.O.C. - POINT OF COMMENCEMENT
P.O.B. - POINT OF BEGINNING
- SURVEY NOTES**
- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
 - BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM 1983 (2011 ADJUSTMENT) "GRID".
 - ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES DIVIDE GRID DISTANCES SHOWN BY THE COMBINED FACTOR OF 0.9999499714.
 - AREAS SHOWN ON THIS PLAT ARE "GROUND".
- IRON PIPE OR ROD FOUND
 - ⊕ "MAG" NAIL SET
 - + CUT CROSS FOUND OR SET
 - 5 / 8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 - ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
 - RIGHT OF WAY STAKING PROPOSED TO BE SET
- STATE OF ILLINOIS)
)SS
COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, GERARDO P. SANCHEZ, AN ILLINOIS PROFESSIONAL LAND SURVEYOR LICENSE NO. 035-003486, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 2 AND 3, TOWNSHIP 45 NORTH, RANGE 10 EAST AND SECTIONS 34 AND 35, TOWNSHIP 46 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 16TH DAY OF JUNE 2015 A.D.

Gerardo P. Sanchez
GERARDO P. SANCHEZ, PRESIDENT

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003486
LICENSE EXPIRATION DATE: NOVEMBER 30, 2014

ILLINOIS PROFESSIONAL DESIGN FIRM REGISTRATION NO.: 184-004601

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

S & A SANCHEZ & ASSOCIATES, P.C.
LAND SURVEYORS
8604 W. CATALPA AVE. STE 912 CHICAGO, IL 60656
PH 773-444-0144 FAX 847-232-3104

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 132 (GRAND AVENUE)

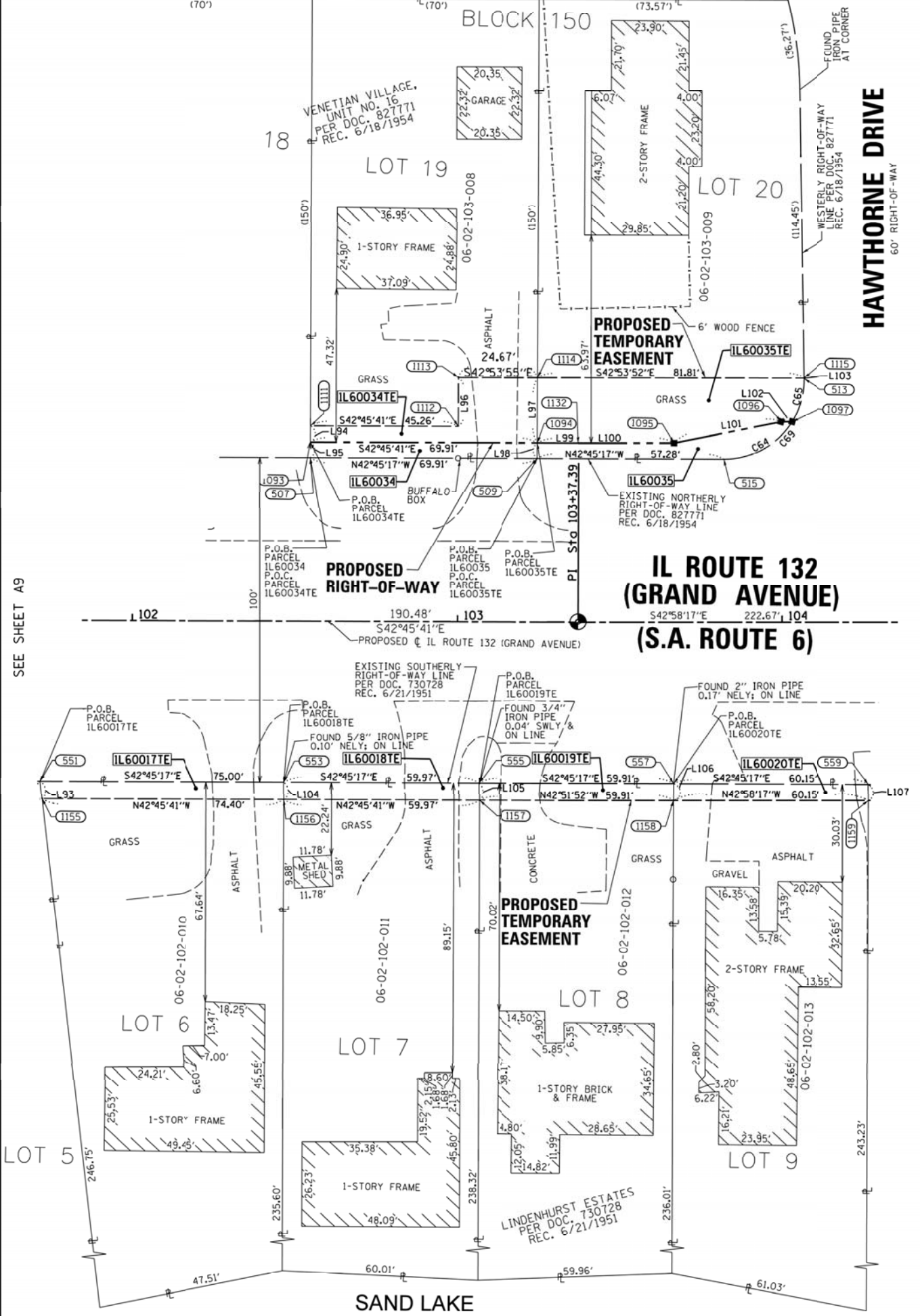
LIMITS: MLNN TO GRANADA COUNTY; LAKE
SECTIONS: 12996 JOB NO.: R-91-037-13
STATION 10+72.60 TO STATION 104+26.82
SCALE: 1"=20' SHEET A10 OF 24

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAMBURG, ILLINOIS 60196

DOT USE ONLY

SEE SHEET A9

SEE SHEET A11



LEGEND

SECTION / QUARTER SECTION LINE
 PLATTED LCT LINES
 PROPERTY (DEED) LINE
 APPARENT PROPERTY LINE
 EXISTING CENTERLINE
 PROPOSED CENTERLINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 EXISTING EASEMENT
 PROPOSED EASEMENT
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 PROPOSED ACCESS CONTROL LINE
 MEASURED DIMENSION
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 - AREAS SHOWN ON THIS PLAT ARE "GROUND".

IRON PIPE OR ROD FOUND
 CUT CROSS FOUND OR SET
 STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
 RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
) SS
 COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, GERARDO P. SANCHEZ, AN ILLINOIS PROFESSIONAL LAND SURVEYOR LICENSE NO. 035-003486, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 2 AND 3, TOWNSHIP 45 NORTH, RANGE 10 EAST AND SECTIONS 34 AND 35, TOWNSHIP 46 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

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 LAND SURVEYORS
 8604 W. CATALPA AVE. STE 912 CHICAGO, IL 60656
 PH 773-444-0144 FAX 847-232-3104

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 132 (GRAND AVENUE)
 LIMITS: MLNN TO GRANADA COUNTY; LAKE
 SECTIONS: 12996 JOB NO.: R-91-Q37-13
 STATION 104+26.84 TO STATION 105+60.06
 SCALE: 1"=20' SHEET A11 OF 24

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196

PROJECT COORDINATES
 ILLINOIS STATE PLANE, EAST ZONE, NAD 83(2011)

POINT #	NORTHING	EASTING	STATION	OFFSET
158	2093466.78	1063868.80	105+60.06	0.00'
218	2093561.70	1063834.57	104+67.27	39.66' LT
219	2093458.63	1063930.39	106+08.12	39.48' LT
220	2093466.34	1063936.87	106+06.93	49.48' LT
221	2093521.29	1063871.93	105+22.31	39.45' LT
229	2093460.19	1063805.85	105+21.97	50.55' RT
230	2093397.90	1063863.95	106+07.00	50.52' RT
517	2093427.83	1063904.46	106+12.86	0.51' RT
518	2093494.14	1063842.56	105+22.15	0.55' RT
519	2093534.00	1063805.70	104+67.86	0.35' RT
559	2093530.04	1063741.27	104+26.84	50.19' RT
561	2093485.87	1063782.11	104+87.00	50.42' RT
563	2093441.72	1063822.97	105+47.15	50.61' RT
1098	2093579.03	1063852.64	104+66.91	64.69' LT
1099	2093554.87	1063855.08	104+86.25	50.00' LT
1100	2093466.74	1063937.21	106+06.87	50.00' LT
1116	2093586.17	1063860.08	104+66.76	75.00' LT
1117	2093566.85	1063878.08	104+93.16	75.00' LT
1118	2093553.22	1063863.45	104+93.16	55.00' LT
1119	2093470.59	1063940.45	106+06.27	55.00' LT
1130	2093500.78	1063905.46	105+60.06	50.00' LT
1131	2093504.18	1063909.12	105+60.06	55.00' LT
1159	2093526.78	1063737.74	104+26.82	55.00' RT
1160	2093506.51	1063756.62	104+54.52	55.00' RT
1161	2093501.06	1063750.77	104+54.52	63.00' RT
1162	2093477.34	1063772.86	104+86.94	63.00' RT
1163	2093449.02	1063799.24	105+25.64	63.00' RT
1164	2093451.06	1063801.44	105+25.64	60.00' RT
1165	2093435.34	1063816.09	105+47.13	60.00' RT
1166	2093391.41	1063857.05	106+07.02	60.00' RT
1167	2093509.05	1063760.68	104+55.42	50.30' RT
1168	2093485.19	1063771.59	104+80.33	58.58' RT
1169	2093480.34	1063776.11	104+86.96	58.58' RT
1170	2093471.00	1063784.81	104+99.71	58.58' RT
1171	2093458.74	1063807.20	105+23.95	50.56' RT
1173	2093425.97	1063824.82	105+59.94	60.00' RT

CURVE TABLE

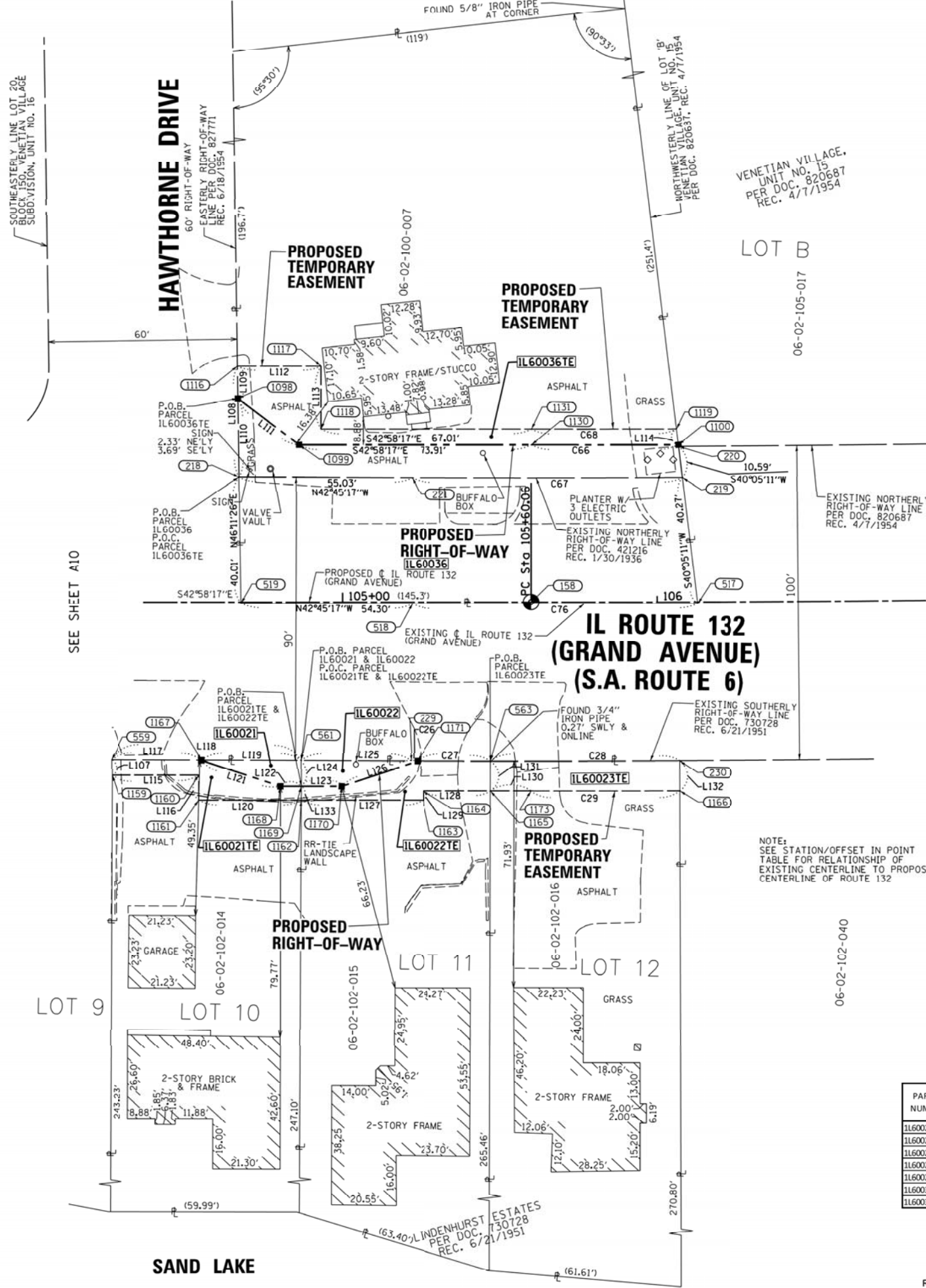
NUM	DELTA	ARC	RADIUS	BEARING	DISTANCE
C26	0°00'43"	1.99	9599.34	S42°45'39"E	1.99
C27	0°08'18"	23.20	9599.34	S42°50'09"E	23.20
C28	0°21'29"	60.00	9599.34	S43°05'03"E	60.00
C29	0°17'16"	47.26	9400.50	N42°59'58"W	47.26
C66	0°17'14"	46.55	9290.50	S42°59'57"E	46.55
C67	0°30'59"	85.69	9509.34	N43°00'47"W	85.69
C68	0°17'00"	45.93	9285.50	S42°59'50"E	45.93
C76	0°32'39"	90.71	9549.34	N43°01'37"W	90.71

LINE TABLE

NUM	BEARING	DISTANCE
L107	N47°15'54"E	4.81
L108	N46°11'26"E	35.35
L109	N46°11'26"E	10.32
L110	N46°11'26"E	25.03
L111	S05°45'48"E	24.28
L112	S42°58'17"E	26.40
L113	S47°01'43"W	20.00
L114	S40°05'11"W	5.04
L115	N42°58'17"W	27.70
L116	N47°01'43"E	8.00
L117	S42°45'17"E	28.58
L118	S42°45'17"E	60.15
L119	S42°45'17"E	31.57
L120	N42°58'17"W	32.41
L121	N24°34'48"W	26.24
L122	N42°58'17"W	6.63
L123	N42°58'17"W	12.76
L124	S47°18'10"W	8.16
L125	S42°45'17"E	34.97
L126	N61°17'00"W	25.53
L127	N42°58'17"W	38.71
L128	N42°58'17"W	21.49
L129	S47°02'40"W	3.00
L130	N42°58'19"W	12.82
L131	S47°09'55"W	9.39
L132	S46°44'12"W	9.48
L133	S47°18'10"W	4.42

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING SQUARE FEET	REMAINDER AREA IN SQUARE FEET	EASEMENT AREA ACRES	PERMANENT INDEX NUMBER
1L60021	0.341	0.004	156	0.337	0.009	06-02-102-014
1L60022	0.356	0.005	202	0.351	0.011	06-02-102-015
1L60023	0.375			0.375	0.013	06-02-102-016
1L60036	0.737	0.168		0.569	0.025	06-02-100-007

REVISION DATE: 08/21/2014, 09/12/2014 REVISION MADE BY: WJG



PART OF THE SE 1/4 OF SECTION 34 OF TWP. 46 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.
 PART OF THE NE 1/4 OF SECTION 3 OF TWP. 45 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.
 PART OF THE SW 1/4 OF SECTION 35 OF TWP. 46 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.
 PART OF THE NW 1/4 OF SECTION 2 OF TWP. 45 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

LEGEND

SECTION / QUARTER SECTION LINE
 PLATTED LOT LINES
 PROPERTY (EED) LINE
 APPARENT PROPERTY LINE
 EXISTING CENTERLINE
 PROPOSED CENTERLINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 EXISTING EASEMENT
 PROPOSED EASEMENT
 EXISTING ACCESS CONTROL LINE
 PROPOSED ACCESS CONTROL LINE

MEASURED DIMENSION
 COMPUTED DIMENSION
 RECORDED DIMENSION
 EXISTING BUILDING

ABBREVIATIONS:
 P.O.C. - POINT OF COMMENCEMENT
 P.O.B. - POINT OF BEGINNING

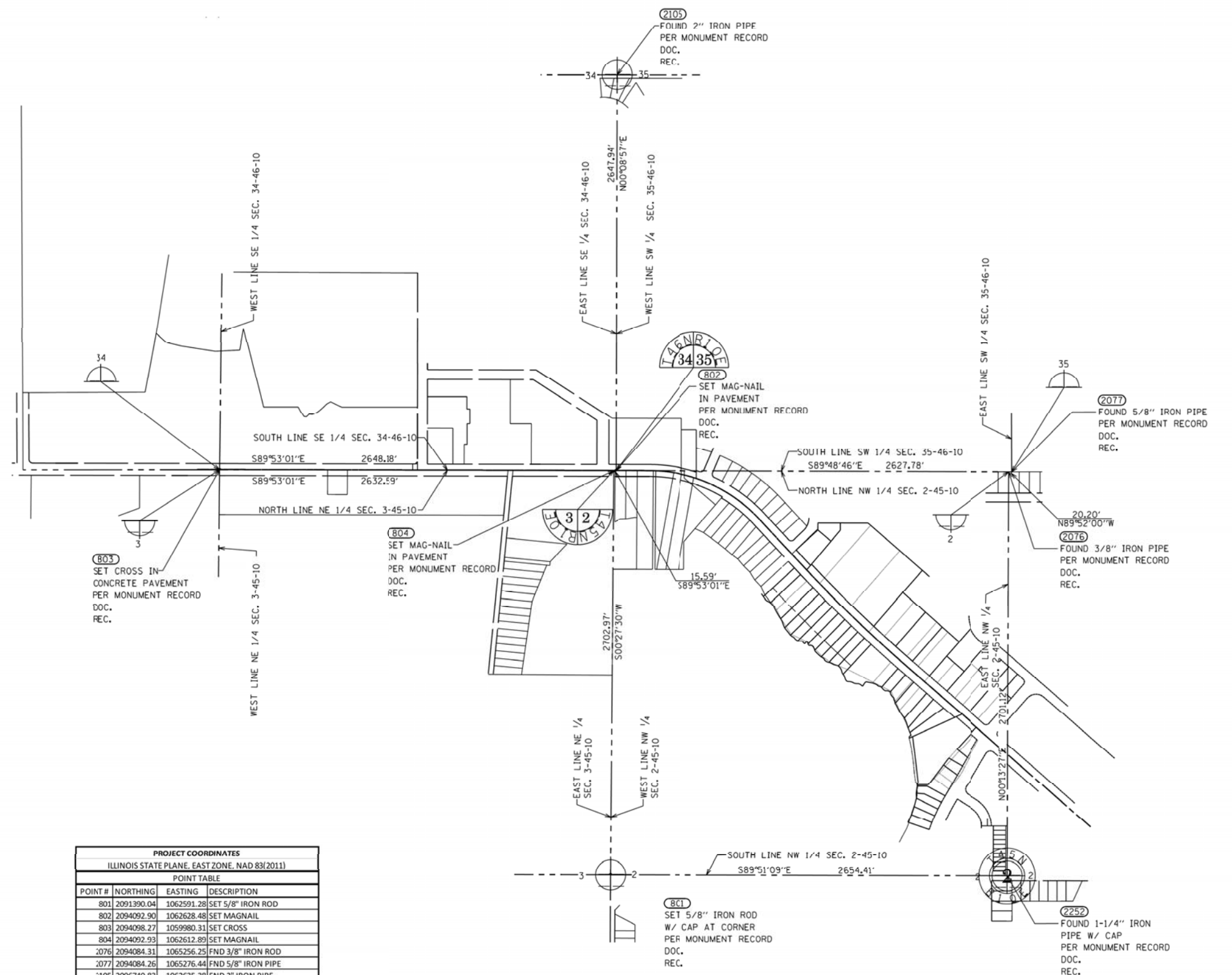
SURVEY NOTES

- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
- BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM 1983 (2011 ADJUSTMENT) "GRID".
- ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES DIVIDE GRID DISTANCES SHOWN BY THE COMBINED FACTOR OF 0.9999499714.
- AREAS SHOWN ON THIS PLAT ARE "GROUND".

Scale 1" = 400'

Bearings and distance are referenced to the Illinois State Plane Coordinate System, East Zone, NAD 83 (2011 ADJUSTMENT)

Combination Factor: 0.9999499714
 Note: To obtain ground distance divide the grid distance shown by the combination factor.



PROJECT COORDINATES		
ILLINOIS STATE PLANE, EAST ZONE, NAD 83(2011)		
POINT TABLE		
POINT #	NORTHING	EASTING
801	2091390.04	1062591.28
802	2094092.90	1062628.48
803	2094098.27	1059980.31
804	2094092.93	1062612.89
2076	2094084.31	1065256.25
2077	2094084.26	1065276.44
2105	2096740.83	1062635.38
2252	2091383.21	1065245.68

STATE OF ILLINOIS)
 COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, GERARDO P. SANCHEZ, AN ILLINOIS PROFESSIONAL LAND SURVEYOR LICENSE NO. 035-003486, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 2 AND 3, TOWNSHIP 45 NORTH, RANGE 10 EAST AND SECTIONS 34 AND 35, TOWNSHIP 46 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 16TH DAY OF JUNE 2015 A.D.

Gerardo P. Sanchez
 GERARDO P. SANCHEZ, PRESIDENT

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003486
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2014

ILLINOIS PROFESSIONAL DESIGN FIRM REGISTRATION NO.: 184-004601

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

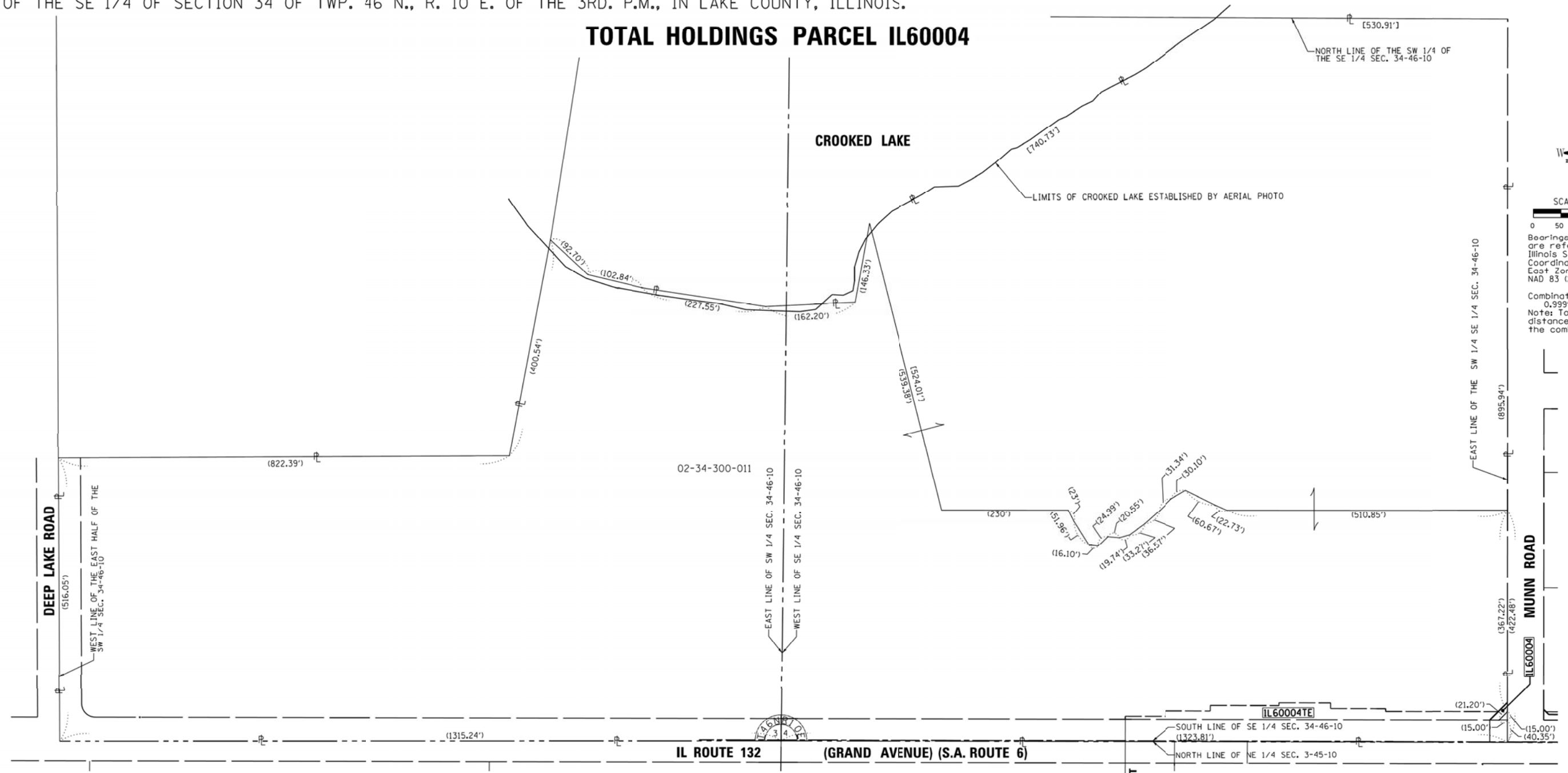
S & A SANCHEZ & ASSOCIATES, P.C.
 LAND SURVEYORS
 8604 W. CATALPA AVE. STE 912 CHICAGO, IL 60656
 PH 773-444-0144 FAX 847-232-3104

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 132 (GRAND AVENUE)

LIMITS: MLNN TO GRANADA COUNTY; LAKE
 SECTIONS: 12996 JOB NO.: R-91-Q3I-13
 STATION 10+75.65 TO STATION 122+54.12
 SCALE: 1"=400' SHEET A12 OF 24

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196

TOTAL HOLDINGS PARCEL IL60004



SCALE 1" = 100'

Bearings and distance are referenced to the Illinois State Plane Coordinate System, East Zone, NAD 83 (2011 ADJUSTMENT)

Combination Factor: 0.9999499714
 Note: To obtain ground distance divide shown by the combination factor.

LEGEND

SECTION CORNER (9 10 16 15)

QUARTER SECTION CORNER (16 15)

SECTION / QUARTER SECTION LINE

PLATTED LOT LINES

PROPERTY (DEED) LINE

APL APPARENT PROPERTY LINE

EXISTING CENTERLINE

PROPOSED CENTERLINE

EXISTING RIGHT OF WAY LINE

PROPOSED RIGHT OF WAY LINE

EXISTING EASEMENT

PROPOSED EASEMENT

EXISTING ACCESS CONTROL LINE

PROPOSED ACCESS CONTROL LINE

MEASURED DIMENSION

129.32' (129.32') (COMP)

COMPUTED DIMENSION

RECORDED DIMENSION

EXISTING BUILDING

SURVEY NOTES

- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
 - BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM 1983 (2011 ADJUSTMENT) "GRID".
 - ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES DIVIDE GRID DISTANCES SHOWN BY THE COMBINED FACTOR OF 0.9999499714.
 - AREAS SHOWN ON THIS PLAT ARE "GROUND".
- IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET ● 5 / 8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

ABBREVIATIONS:

P.O.C. - POINT OF COMMENCEMENT

P.O.B. - POINT OF BEGINNING

STATE OF ILLINOIS)
) SS
 COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, GERARDO P. SANCHEZ, AN ILLINOIS PROFESSIONAL LAND SURVEYOR LICENSE NO. 035-003486, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 2 AND 3, TOWNSHIP 45 NORTH, RANGE 10 EAST AND SECTIONS 34 AND 35, TOWNSHIP 46 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

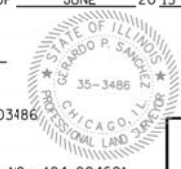
DATED AT CHICAGO, ILLINOIS THIS 16TH DAY OF JUNE 2015 A.D.

Gerardo P. Sanchez
 GERARDO P. SANCHEZ, PRESIDENT

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003486
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2014

ILLINOIS PROFESSIONAL DESIGN FIRM REGISTRATION NO.: 184-004601

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



IDOT USE ONLY

REVISION DATE: 08/21/2014 REVISION MADE BY: WJG

S & A SANCHEZ & ASSOCIATES, P.C.
 LAND SURVEYORS

8604 W. CATALPA AVE. STE 912 CHICAGO, IL 60656
 PH 773-444-0144 FAX 847-232-3104

PLAT OF HIGHWAYS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 132 (GRAND AVENUE) (S.A. ROUTE 6)

LIMITS: MLNN TO GRANADA COUNTY; LAKE

SECTIONS: 12996 JOB NO.: R-91-037-13

TOTAL HOLDING DETAIL

SCALE: 1"=20' SHEET A13 OF 24

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

PART OF THE SE 1/4 OF SECTION 34 OF TWP. 46 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.
 PART OF THE NE 1/4 OF SECTION 3 OF TWP. 45 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

LEGEND

SECTION / QUARTER SECTION LINE
 PLATTED LOT LINES
 PROPERTY (DEED) LINE
 APPARENT PROPERTY LINE
 EXISTING CENTERLINE
 PROPOSED CENTERLINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 EXISTING EASEMENT
 PROPOSED EASEMENT
 EXISTING ACCESS CONTROL LINE
 PROPOSED ACCESS CONTROL LINE
 MEASURED DIMENSION
 COMPUTED DIMENSION
 RECORDED DIMENSION
 EXISTING BUILDING

ABBREVIATIONS:
 P.O.C. - POINT OF COMMENCEMENT
 P.O.B. - POINT OF BEGINNING

SURVEY NOTES
 - ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
 - BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM 1983 (2011 ADJUSTMENT) "GRID".
 - ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES DIVIDE GRID DISTANCES SHOWN BY THE COMBINED FACTOR OF 0.9999499714.
 - AREAS SHOWN ON THIS PLAT ARE "GROUND".

IRON PIPE OR ROD FOUND
 CUT CROSS FOUND OR SET
 STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
 RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
) S.S.
 COUNTY OF COOK)

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DATED AT CHICAGO, ILLINOIS THIS 19TH DAY OF AUGUST 2015 A.D.

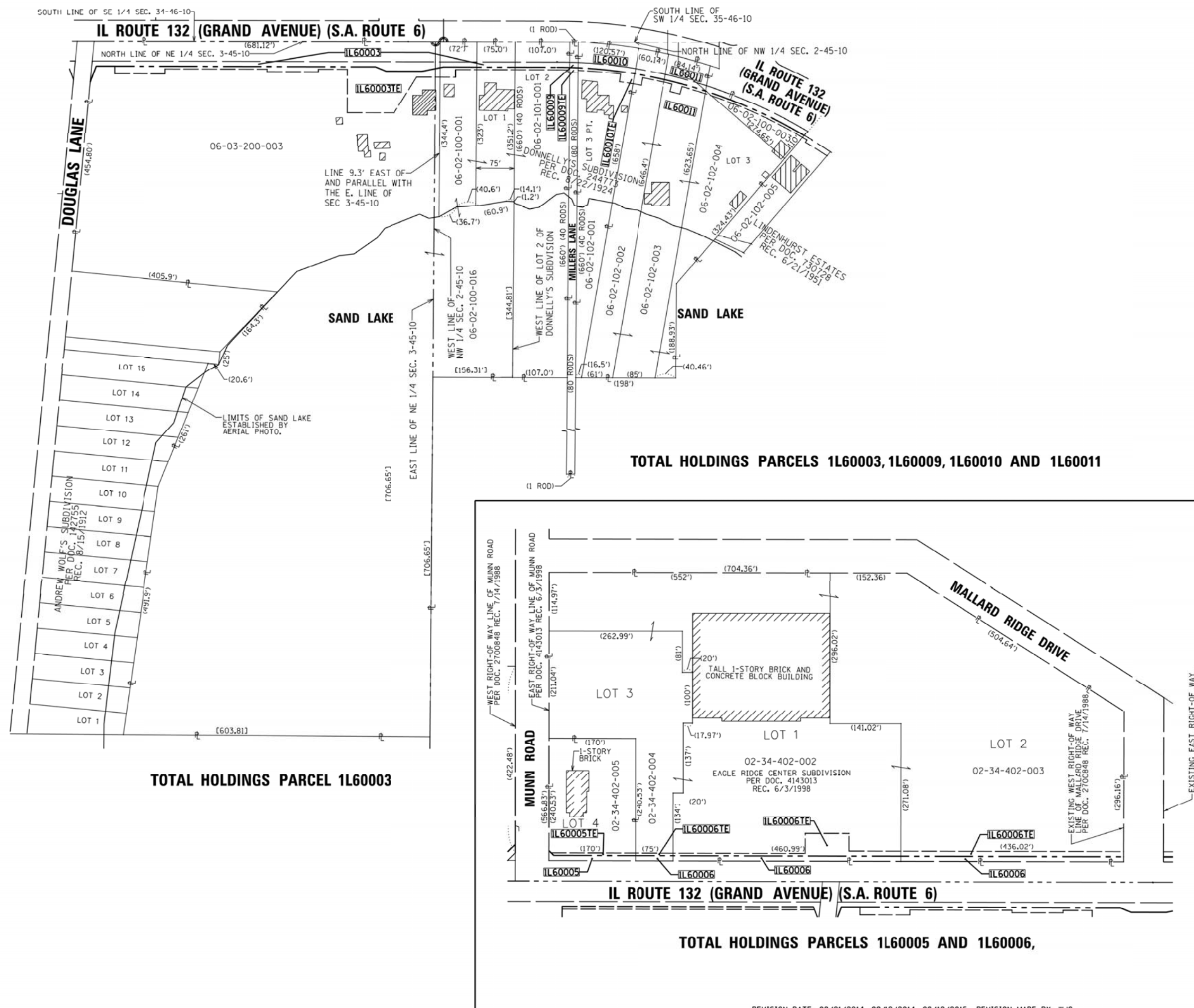
Gerardo P. Sanchez
 GERARDO P. SANCHEZ, PRESIDENT

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003486
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2014

ILLINOIS PROFESSIONAL DESIGN FIRM REGISTRATION NO.: 184-004601

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

S & A SANCHEZ & ASSOCIATES, P.C.
 LAND SURVEYORS
 8604 W. CATALPA AVE. STE 912 CHICAGO, IL 60656
 PH 773-444-0144 FAX 847-232-3104



TOTAL HOLDINGS PARCEL 1L60003

TOTAL HOLDINGS PARCELS 1L60003, 1L60009, 1L60010 AND 1L60011

TOTAL HOLDINGS PARCELS 1L60005 AND 1L60006,

IDOT USE ONLY

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 132 (GRAND AVENUE)
 LIMITS: MLNN TO GRANADA COUNTY: LAKE
 SECTIONS: 2996 JOB NO.: R-91-037-13
 TOTAL HOLDING DETAIL SHEET A14 OF 24

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196

REVISION DATE: 08/21/2014, 09/12/2014, 08/19/2015 REVISION MADE BY: WJG

PART OF THE NW 1/4 OF SECTION 2, TWP. 45N., R.10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

- IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET ● 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

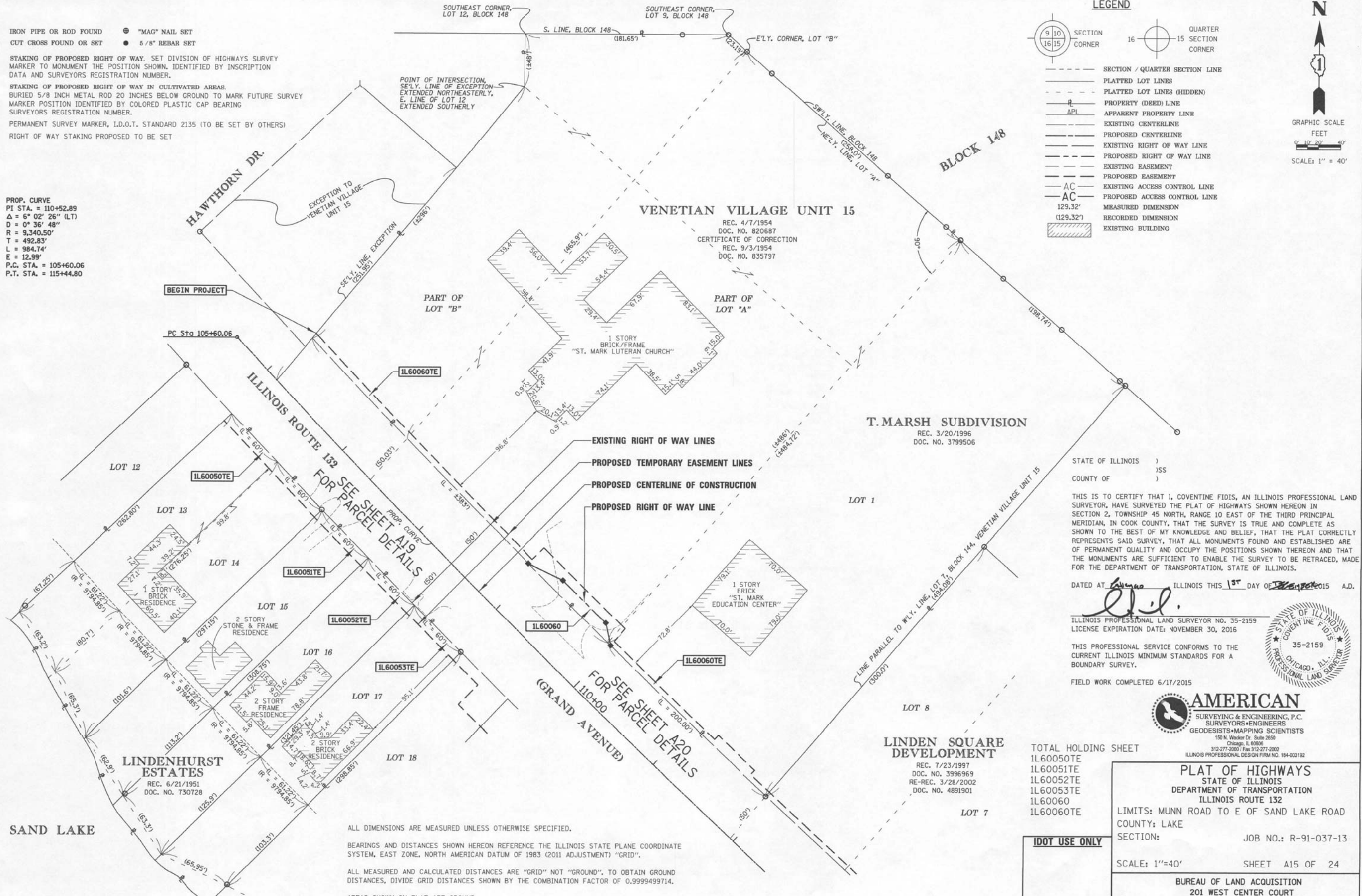
PROP. CURVE
 PI STA. = 110+52.89
 Δ = 6° 02' 26" (LT)
 D = 0° 36' 48"
 R = 9,340.50'
 T = 492.83'
 L = 984.74'
 E = 12.99'
 P.C. STA. = 105+60.06
 P.T. STA. = 115+44.80

LEGEND

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PLATTED LOT LINES (HIDDEN)
- PROPERTY (DEED) LINE
- API APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- AC EXISTING ACCESS CONTROL LINE
- AC PROPOSED ACCESS CONTROL LINE
- 129.32' MEASURED DIMENSION
- (129.32') RECORDED DIMENSION
- ▨ EXISTING BUILDING

SECTION CORNER: 9 10 16 15
 QUARTER SECTION CORNER: 16 15

GRAPHIC SCALE
 FEET
 0' 10' 20' 40'
 SCALE: 1" = 40'



STATE OF ILLINOIS)
)
 COUNTY OF)

THIS IS TO CERTIFY THAT I, COVENTINE FIDIS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 2, TOWNSHIP 45 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT Chicago ILLINOIS THIS 15th DAY OF January 2015 A.D.

[Signature]
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2159
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2016

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

FIELD WORK COMPLETED 6/17/2015



AMERICAN
 SURVEYING & ENGINEERING, P.C.
 SURVEYORS-ENGINEERS
 GEODESISTS-MAPPING SCIENTISTS
 150 N. Wacker Dr., Suite 2650
 Chicago, IL 60606
 312-277-2000 / Fax 312-277-2002
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-003192

TOTAL HOLDING SHEET
 1L60050TE
 1L60051TE
 1L60052TE
 1L60053TE
 1L60060
 1L60060TE

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 132

LIMITS: MUNN ROAD TO E OF SAND LAKE ROAD
 COUNTY: LAKE

SECTION: _____ JOB NO.: R-91-037-13

SCALE: 1"=40' SHEET A15 OF 24

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

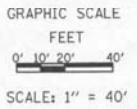
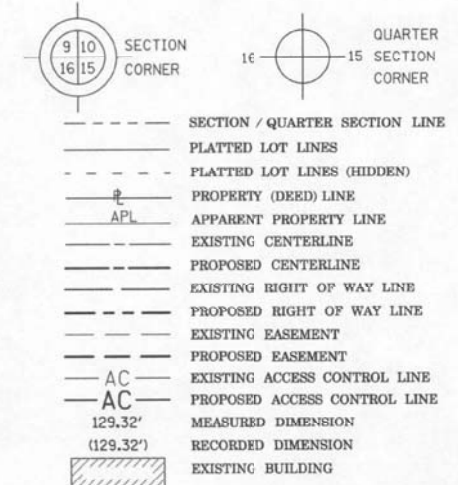
ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".

ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999499714.

AREAS SHOWN ON PLAT ARE GROUND.

LEGEND



PROP. CURVE
 P1 STA. = 110+52.89
 $\Delta = 6^\circ 02' 26''$ (LT)
 $D = 0^\circ 36' 48''$
 $R = 9,340.50'$
 $T = 492.83'$
 $L = 984.74'$
 $E = 12.99'$
 P.C. STA. = 105+60.06
 P.T. STA. = 115+44.80

T. MARSH SUBDIVISION

REC. 3/20/1996
 DOC. NO. 3799506

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AREAS SHOWN ON PLAT ARE GROUND.

- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.L.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET
- ⊕ "MAG" NAIL SET
- 5/8" REBAR SET

STATE OF ILLINOIS)
)
 COUNTY OF)

THIS IS TO CERTIFY THAT I, COVENTINE FIDIS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 2, TOWNSHIP 45 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF. THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT Chicago ILLINOIS THIS 15 DAY OF December 2015 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2159
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2016

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

FIELD WORK COMPLETED 6/17/2015

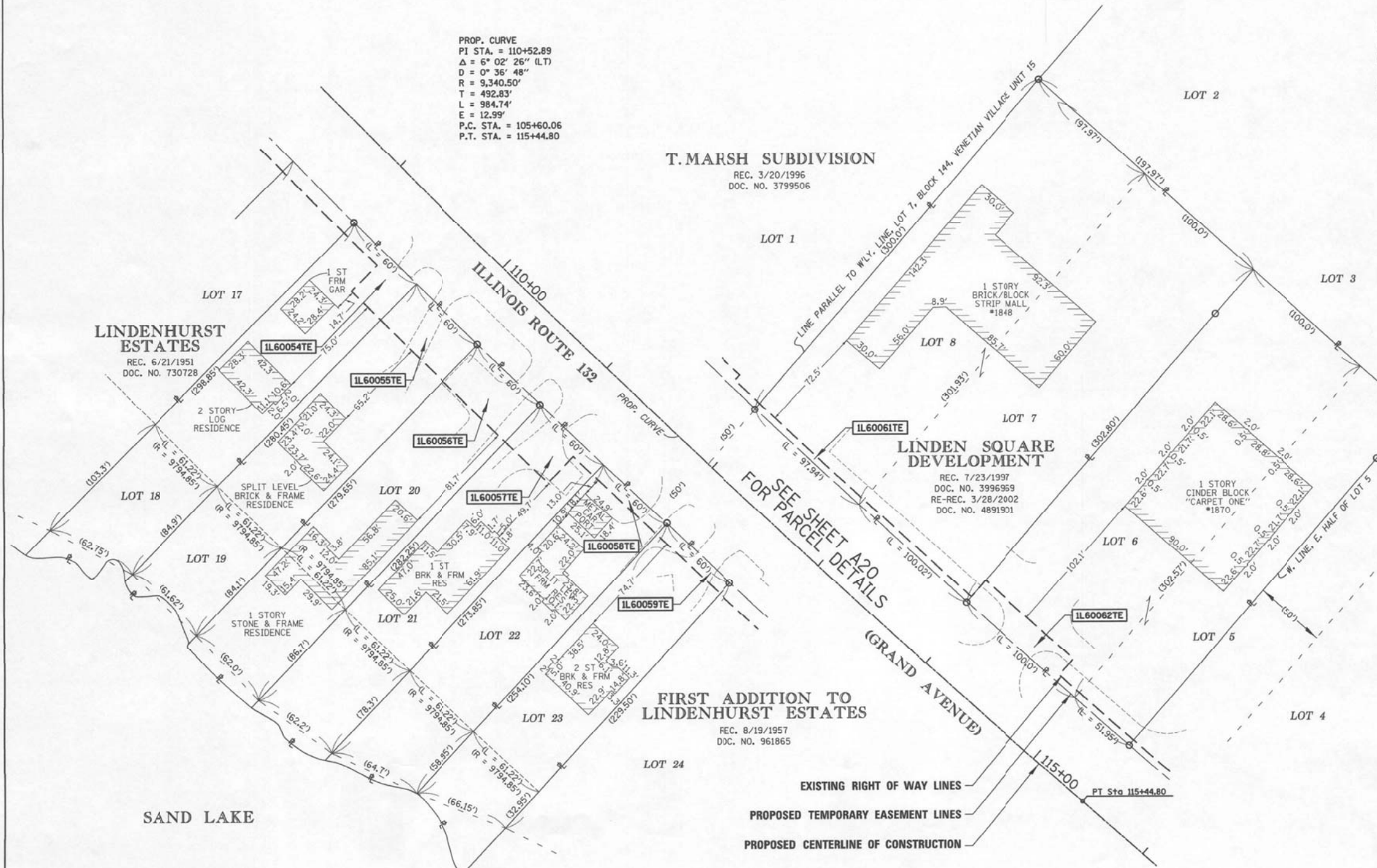


AMERICAN SURVEYING & ENGINEERING, P.C.
 SURVEYORS • ENGINEERS
 GEODESISTS • MAPPING SCIENTISTS
 150 N. Wacker Dr. Suite 2650
 Chicago, IL 60609
 312-277-2000 / Fax 312-277-2002
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 194-003192

TOTAL HOLDING SHEET
 1L60054TE
 1L60055TE
 1L60056TE
 1L60057TE
 1L60058TE
 1L60059TE
 1L60061TE
 1L60062TE

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 132
 LIMITS: MUNN ROAD TO E OF SAND LAKE ROAD
 COUNTY: LAKE
 SECTION: JOB NO.: R-91-037-13
 TOTAL HOLDING DETAIL SHEET A16 OF 24
 SCALE: 1"=40'
 BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196

IDOT USE ONLY

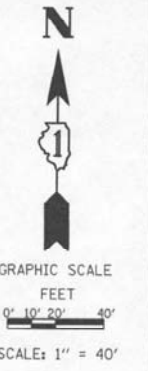
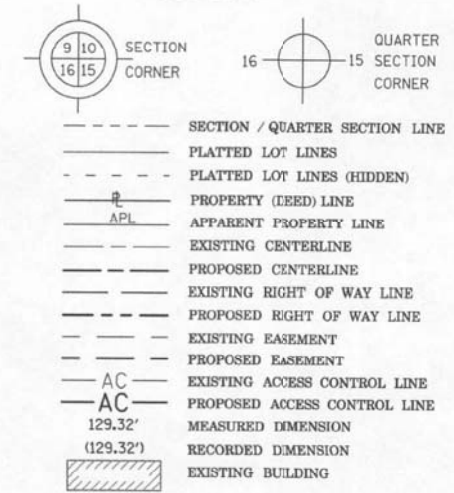


EXISTING RIGHT OF WAY LINES
 PROPOSED TEMPORARY EASEMENT LINES
 PROPOSED CENTERLINE OF CONSTRUCTION

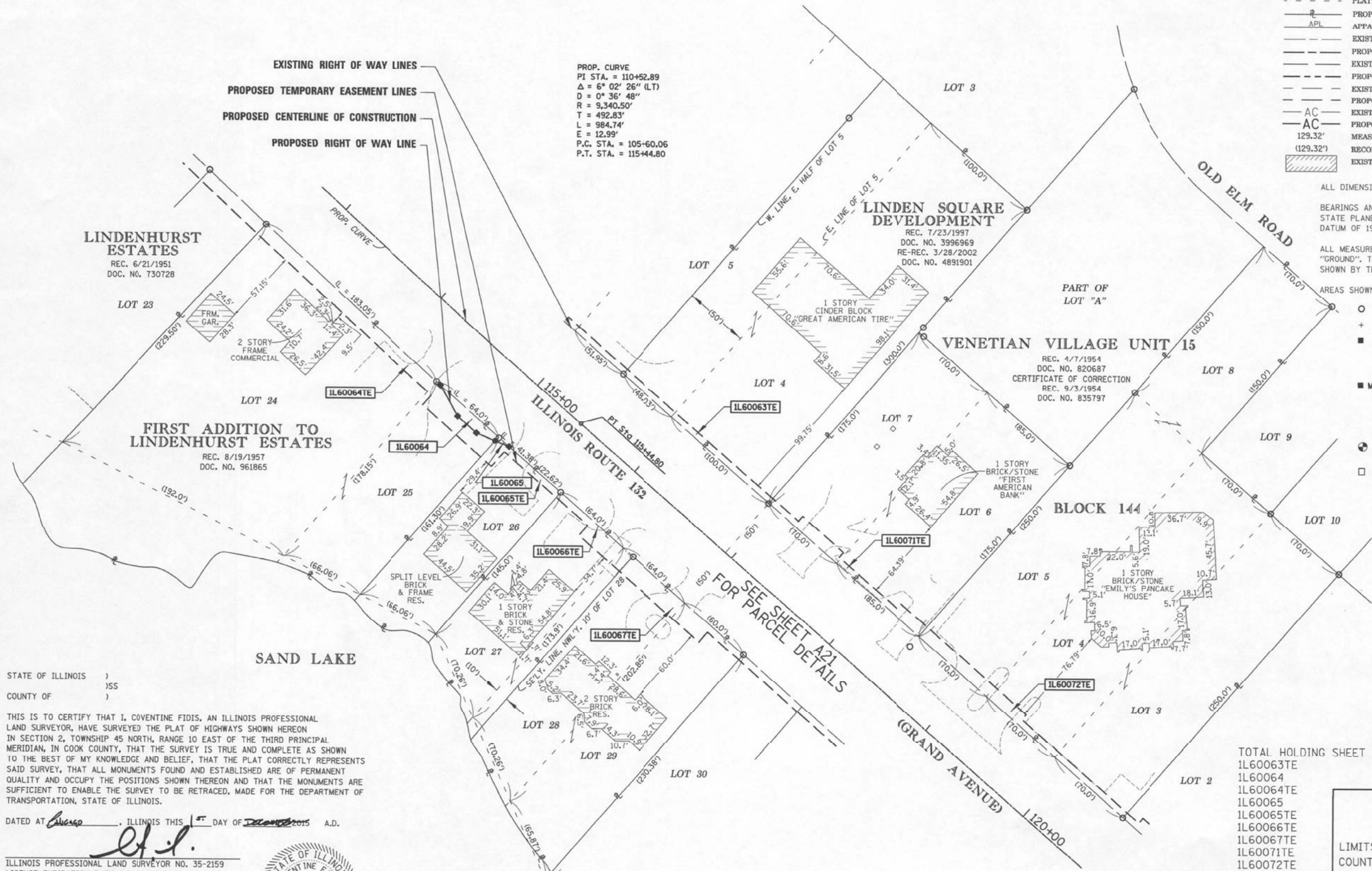
REVISION DATE: 12/1/2015

MADE BY: EJS

LEGEND



PROP. CURVE
 PI STA. = 110+52.89
 $\Delta = 6^\circ 02' 26''$ (LT)
 $D = 0^\circ 36' 48''$
 $R = 9,340.50'$
 $T = 492.83'$
 $L = 984.74'$
 $E = 12.99'$
 P.C. STA. = 105+60.06
 P.T. STA. = 115+44.80



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 AREAS SHOWN ON PLAT ARE GROUND.

- IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET ● 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
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- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
) SS
 COUNTY OF)

THIS IS TO CERTIFY THAT I, COVENTINE FIDIS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 2, TOWNSHIP 45 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT Chicago, ILLINOIS THIS 15TH DAY OF December 2015 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2159
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2016

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

FIELD WORK COMPLETED 6/17/2015

AMERICAN
 SURVEYING & ENGINEERING, P.C.
 SURVEYORS-ENGINEERS
 GEODESISTS-MAPPING SCIENTISTS
 150 N. Wacker Dr. Suite 2650
 Chicago, IL 60606
 312-277-2000 / Fax 312-277-2002
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 194-001912

TOTAL HOLDING SHEET
 IL60063TE
 IL60064
 IL60064TE
 IL60065
 IL60065TE
 IL60066TE
 IL60067TE
 IL60071TE
 IL60072TE

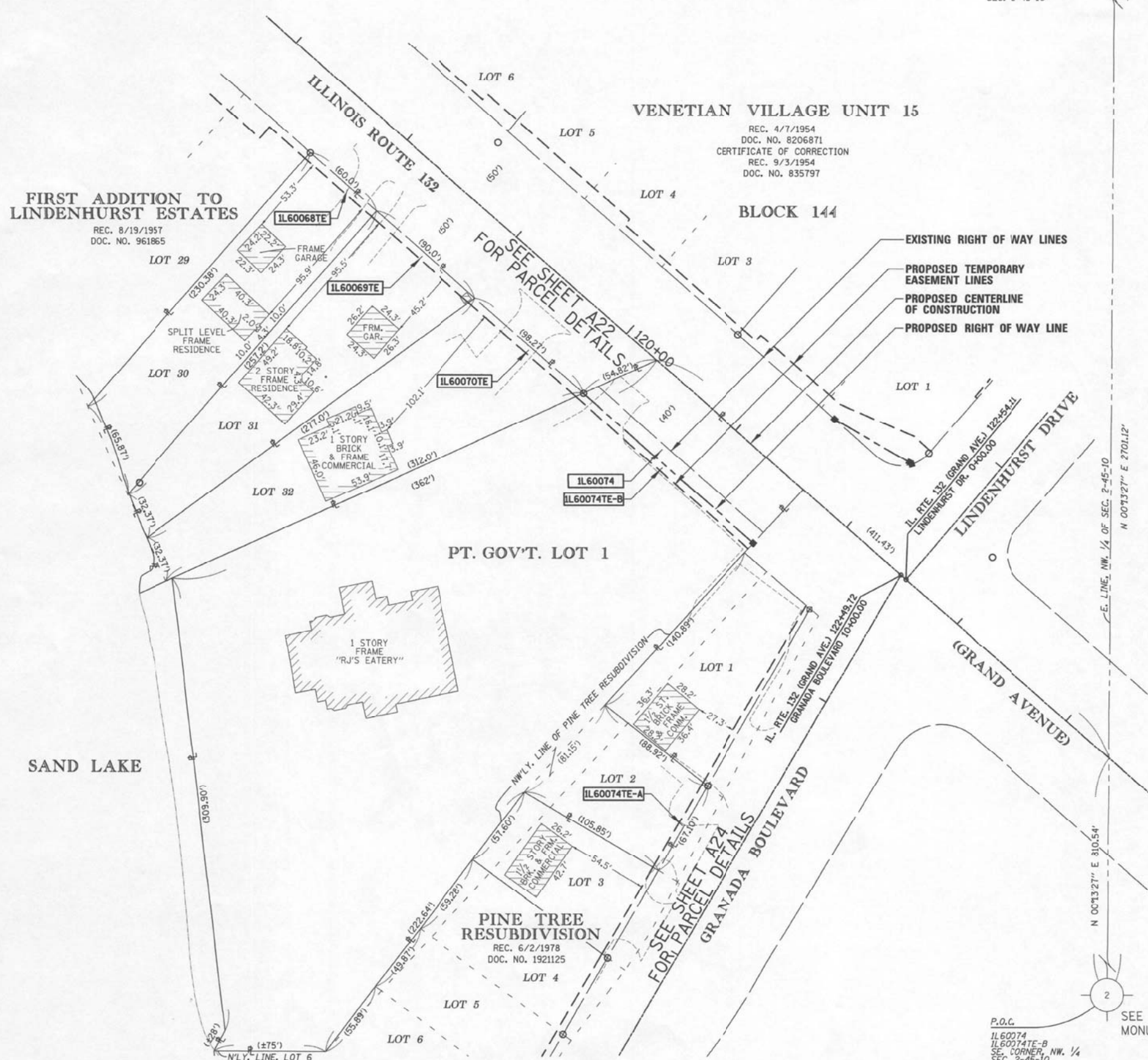
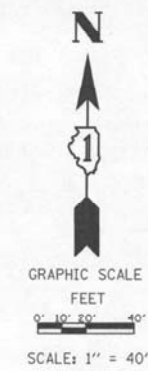
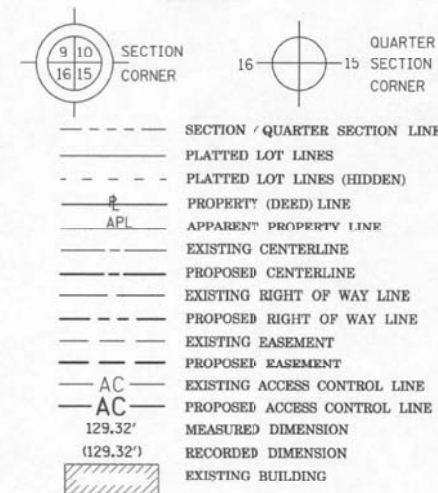
PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 132
 LIMITS: MUNN ROAD TO E OF SAND LAKE ROAD
 COUNTY: LAKE
 SECTION: JOB NO.: R-91-037-13
 TOTAL HOLDING DETAIL
 SCALE: 1"=40' SHEET A17 OF 24

IDOT USE ONLY

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

SEE SHEET A12 FOR MONUMENT DETAIL

LEGEND



ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".

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AREAS SHOWN ON PLAT ARE GROUND.

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- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
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- ⊙ PERMANENT SURVEY MARKER, I.D.J.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
)SS
 COUNTY OF)

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DATED AT Chicago, ILLINOIS THIS 1ST DAY OF December, 2015 A.D.

[Signature]
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2159
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2016

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

FIELD WORK COMPLETED 6/17/2015



AMERICAN
 SURVEYING & ENGINEERING, P.C.
 SURVEYORS-ENGINEERS
 GEODESISTS-MAPPING SCIENTISTS
 1901 N. Winchester Dr., Suite 2000
 Chicago, IL 60606
 312-277-2000 / Fax 312-277-2002
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-003192

TOTAL HOLDING SHEET
 1L60068TE
 1L60069TE
 1L60070TE
 1L60074
 1L60074TE-A
 1L60074TE-B

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 132

LIMITS: MLNN ROAD TO E OF SAND LAKE ROAD
 COUNTY: LAKE

SECTION: JOB NO.: R-91-037-13
 TOTAL HOLDING DETAIL SHEET A18 OF 24
 SCALE: 1"=40'

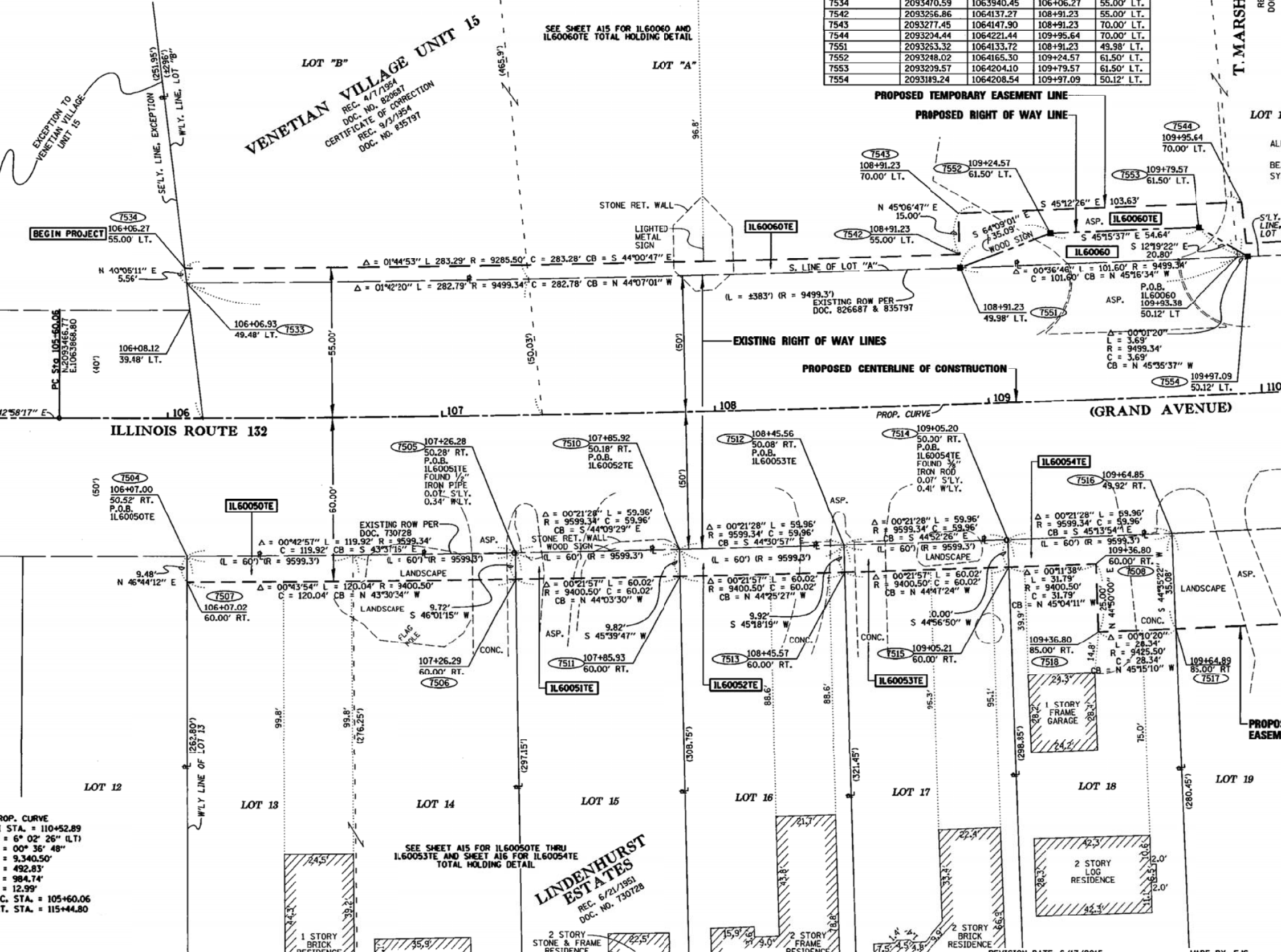
IDOT USE ONLY

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

PART OF THE NW 1/4 OF SECTION 2, TWP. 45N., R.10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

PARCEL NO.	TOTAL HOLDING ACRES	PART TAKING ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	PERMANENT INDEX NUMBER
1L60050TE	0.795	N/A	N/A	0.795	0.026	06-02-102-040
1L60051TE	0.433	N/A	N/A	0.433	0.013	06-02-102-019
1L60052TE	0.456	N/A	N/A	0.456	0.014	06-02-102-020
1L60053TE	0.456	N/A	N/A	0.456	0.014	06-02-102-021
1L60054TE	0.421	N/A	N/A	0.421	0.030	06-02-102-022
1L60060	6.315	0.021	N/A	6.294	N/A	06-02-105-017 06-02-105-034
1L60060TE		N/A	N/A		0.088	

POINT NO.	NORTHING	EASTING	STATION	OFFSET
7504	2093397.90	1063863.95	106+07.00	50.52' RT.
7505	2093311.09	1063946.69	107+26.28	50.28' RT.
7506	2093304.34	1063939.69	107+26.29	60.00' RT.
7507	2093391.40	1063857.05	106+07.02	60.00' RT.
7508	2093153.29	1064088.24	109+36.80	60.00' RT.
7510	2093258.07	1063988.46	107+85.92	50.18' RT.
7511	2093251.21	1063981.43	107+85.93	60.00' RT.
7512	2093225.31	1064030.50	108+45.56	50.08' RT.
7513	2093218.34	1064023.45	108+45.57	60.00' RT.
7514	2093182.82	1064072.80	109+05.20	50.00' RT.
7515	2093175.74	1064065.74	109+05.22	60.00' RT.
7516	2093140.59	1064115.37	109+64.85	49.92' RT.
7517	2093115.61	1064090.74	109+64.89	85.00' RT.
7518	2093135.56	1064070.62	109+36.80	85.00' RT.
7533	2093456.34	1063936.87	106+06.93	49.48' LT.
7534	2093470.59	1063940.45	106+06.27	55.00' LT.
7542	2093256.86	1064137.27	108+91.23	55.00' LT.
7543	2093277.44	1064147.90	108+91.23	70.00' LT.
7544	2093204.45	1064221.44	109+95.64	70.00' LT.
7551	2093253.32	1064133.72	108+91.23	49.98' LT.
7552	2093248.02	1064165.30	109+24.57	61.50' LT.
7553	2093299.57	1064204.10	109+79.57	61.50' LT.
7554	2093189.24	1064208.54	109+97.09	50.12' LT.



LEGEND

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PLATTED LOT LINES (HIDDEN)
- PROPERTY (DEED) LINE
- APL
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- AC
- EXISTING ACCESS CONTROL LINE
- AC
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

GRAPHIC SCALE
FEET
0' 5' 10' 20'
SCALE: 1" = 20'

REC. 3/20/1996
DOC. NO. 3799506

T. MARSH SUBDIVISION

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".

ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999499714.

AREAS SHOWN ON PLAT ARE GROUND.

- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS) RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
COUNTY OF)

THIS IS TO CERTIFY THAT I, COVENTINE FIDIS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 2, TOWNSHIP 45 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT *Chicago*, ILLINOIS THIS *27th* DAY OF *June* 2015 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2159
LICENSE EXPIRATION DATE: NOVEMBER 30, 2016

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

FIELD WORK COMPLETED 6/17/2015

AMERICAN
SURVEYING & ENGINEERING, P.C.
SURVEYORS-ENGINEERS
GEODESISTS-MAPPING SCIENTISTS
150 N. Wacker Dr. Suite 2050
Chicago, IL 60606
312-277-2000 / Fax 312-277-2002
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 194-003192

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 132
LIMITS: MUNN ROAD TO E OF SAND LAKE ROAD
COUNTY: LAKE
SECTION: JOB NO.: R-91-037-13
STATION 106+06.27 TO STATION 109+97.09
SCALE: 1"=20' SHEET A19 OF 24

IDOT USE ONLY

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: 6/17/2015
MADE BY: EJS

PROP. CURVE
PI STA. = 110+52.89
Δ = 6° 02' 26" (L)
D = 00° 36' 48"
R = 9,340.50'
T = 492.83'
L = 984.74'
E = 12.99'
P.C. STA. = 105+60.06
P.T. STA. = 115+44.80

SEE SHEET A15 FOR IL60050TE THRU IL60053TE AND SHEET A16 FOR IL60054TE TOTAL HOLDING DETAIL

LINDENHURST ESTATES
REC. 6/21/1951
DOC. NO. 730728

PART OF THE NW 1/4 OF SECTION 2, TWP. 45N., R.10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

PARCEL NO.	TOTAL HOLDING ACRES	PART TAKING ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	PERMANENT INDEX NUMBER
1L60055TE	0.395	N/A	N/A	0.395	0.048	06-02-102-023
1L60056TE	0.405	N/A	N/A	0.405	0.049	06-02-102-024
1L60057TE	0.400	N/A	N/A	0.400	0.038	06-02-102-025
1L60058TE	0.373	N/A	N/A	0.373	0.014	06-02-102-026
1L60059TE	0.365	N/A	N/A	0.365	0.014	06-02-102-027
1L60060	6.315	0.021	N/A	6.294	N/A	06-02-105-017 06-02-105-034
1L60060TE	1.369	N/A	N/A	1.369	0.088	06-02-105-046
1L60064	1.325	0.009	N/A	1.316	N/A	06-02-102-028 06-02-102-029
1L60064TE		N/A	N/A		0.063	

POINT NO.	NORTHING	EASTING	STATION	OFFSET
7516	2093140.59	1064115.37	109+64.85	49.92' RT.
7517	2093115.61	1064090.74	109+64.89	85.00' RT.
7519	2093098.63	1064158.21	110+24.49	49.85' RT.
7520	2093073.44	1064133.69	110+24.53	85.00' RT.
7521	2093031.55	1064176.89	110+84.17	85.00' RT.
7522	2093056.94	1064201.30	110+84.13	49.78' RT.
7523	2093015.52	1064244.66	111+43.78	49.73' RT.
7524	2093008.07	1064237.58	111+43.79	60.00' RT.
7525	2093021.10	1064223.91	111+25.01	60.00' RT.
7526	2093003.02	1064206.64	111+25.01	85.00' RT.
7527	2092974.37	1064288.27	112+03.42	49.68' RT.
7528	2092966.84	1064281.21	112+03.43	60.00' RT.
7529	2092933.49	1064332.14	112+63.07	49.64' RT.
7530	2092925.89	1064325.10	112+63.07	60.00' RT.
7538	2093053.47	1064350.11	111+94.30	50.31' LT.
7544	2093204.44	1064221.44	109+95.64	70.00' LT.
7545	2093192.97	1064211.71	109+95.73	55.00' LT.
7546	2093104.78	1064302.80	111+24.28	55.00' LT.
7547	2093108.39	1064306.25	111+24.28	60.00' LT.
7548	2093076.73	1064339.57	111+70.54	60.00' LT.
7549	2093073.10	1064336.14	111+70.54	55.00' LT.
7550	2093057.02	1064353.18	111+94.11	55.00' LT.
7554	2093189.24	1064208.54	109+97.09	50.12' LT.
7555	2092919.60	1064495.61	113+93.10	50.41' LT.
7556	2092923.06	1064498.63	113+93.02	55.00' LT.

LEGEND

SECTION CORNER 16 QUARTER SECTION CORNER

SECTION / QUARTER SECTION LINE

PLATTED LOT LINES

PLATTED LOT LINES (HIDDEN)

PROPERTY (DRED) LINE

APL APPARENT PROPERTY LINE

EXISTING CENTERLINE

PROPOSED CENTERLINE

EXISTING RIGHT OF WAY LINE

PROPOSED RIGHT OF WAY LINE

EXISTING EASEMENT

PROPOSED EASEMENT

EXISTING ACCESS CONTROL LINE

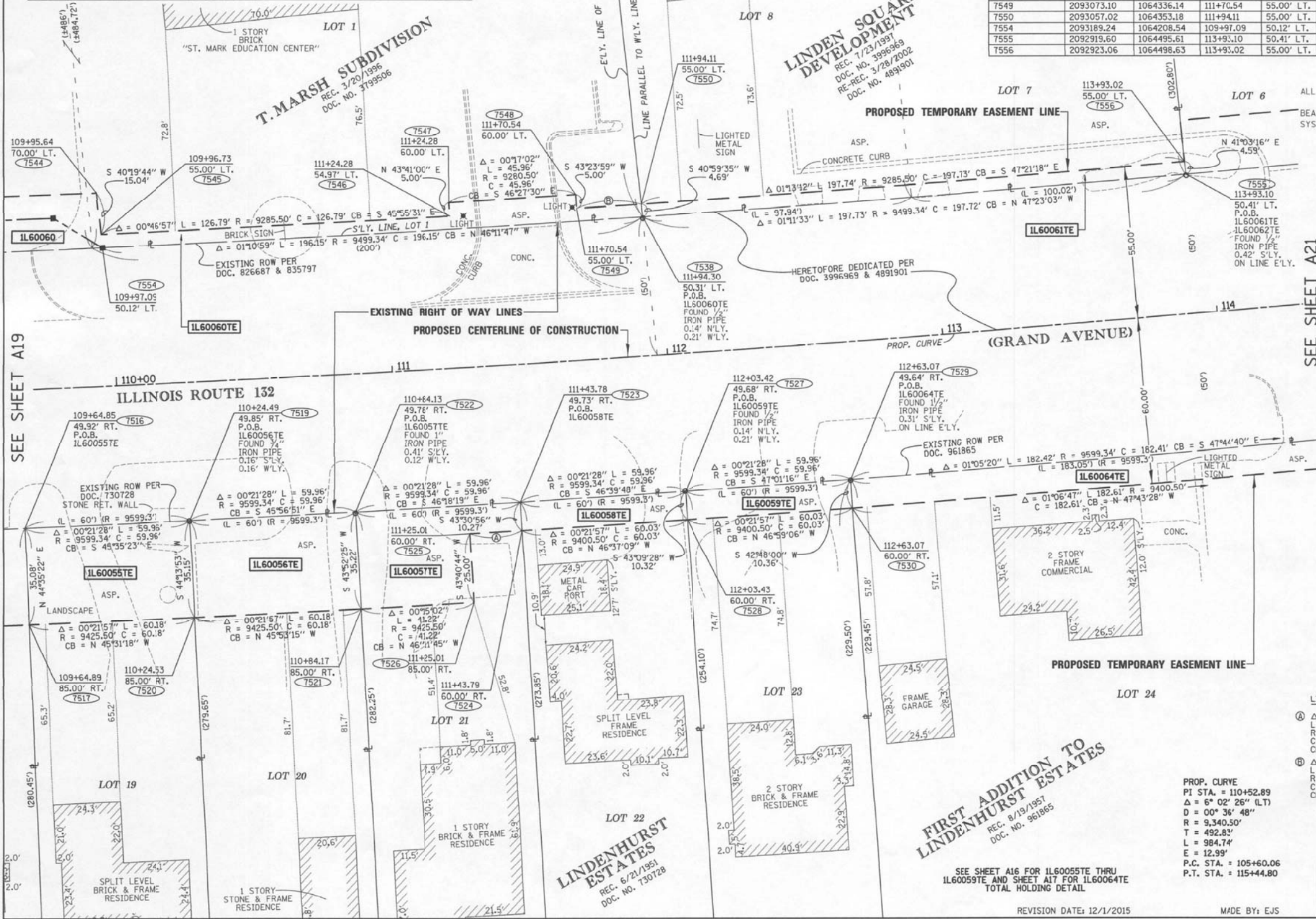
PROPOSED ACCESS CONTROL LINE

129.32' MEASURED DIMENSION

(129.32') RECORDED DIMENSION

EXISTING BUILDING

GRAPHIC SCALE
0' 5' 10' 20'
SCALE: 1" = 20'



ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".

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AREAS SHOWN ON PLAT ARE GROUND.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
COUNTY OF)

THIS IS TO CERTIFY THAT I, COVENTINE FIDIS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 2, TOWNSHIP 45 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT Chicago, ILLINOIS THIS 1ST DAY OF December 2015 A.D.

[Signature]
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2159
LICENSE EXPIRATION DATE: NOVEMBER 30, 2016

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

FIELD WORK COMPLETED 6/17/2015



AMERICAN
SURVEYING & ENGINEERING, P.C.
SURVEYORS-ENGINEERS
GEODESISTS-MAPPING SCIENTISTS
150 N. Wacker Dr., Suite 2850
Chicago, IL 60606
312-277-2000 / Fax 312-277-2002
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-003192

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 132

LIMITS: MUNN ROAD TO E OF SAND LAKE ROAD
COUNTY: LAKE

SECTION: 16 JOB NO.: R-91-037-13
STATION 109+64.85 TO STATION 113+93.10
SCALE: 1"=20' SHEET A20 OF 24

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

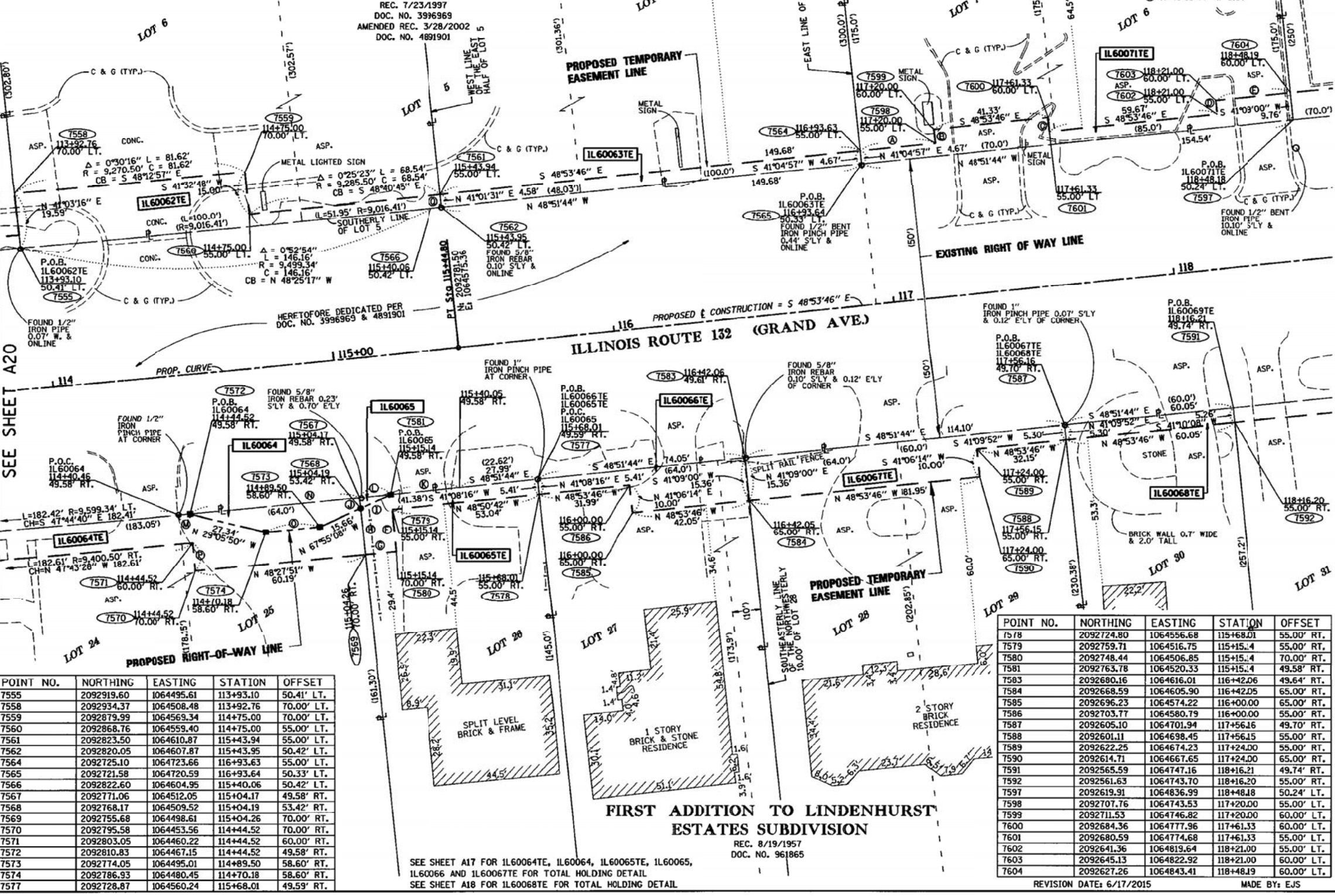
REVISION DATE: 12/1/2015 MADE BY: EJS

PARCEL NO.	TOTAL HOLDING ACRES	PART TAKING ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	PERMANENT INDEX NUMBER
1L60062TE	1.041	N/A	N/A	1.041	0.044	06-02-105-040 06-02-105-041
1L60063TE	1.035	N/A	N/A	1.035	0.016	06-02-105-045
1L60064	1.325	0.009 386 SQ. FT.	N/A	1.316	N/A	06-02-102-028 06-02-102-029
1L60064TE		N/A	N/A		0.063	
1L60065	0.241	0.0005 21 SQ. FT.	N/A	0.241	N/A	06-02-102-030
1L60065TE		N/A	N/A		0.011	
1L60066TE	0.287	N/A	N/A	0.287	0.019	06-02-102-038
1L60067TE	0.544	N/A	N/A	0.544	0.033	06-02-102-041
1L60068TE	0.331	N/A	N/A	0.331	0.007 317 SQ. FT.	06-02-102-034
1L60071TE	0.621	N/A	N/A	0.621	0.025	06-02-105-019 06-02-105-020

SEE SHEET A16 FOR 1L60062 FOR TOTAL HOLDING DETAIL

LINDEN SQUARE DEVELOPMENT SUBDIVISION

REC. 7/23/1997
DOC. NO. 3916969
AMENDED REC. 3/28/2002
DOC. NO. 4891901

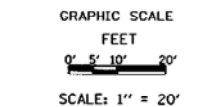
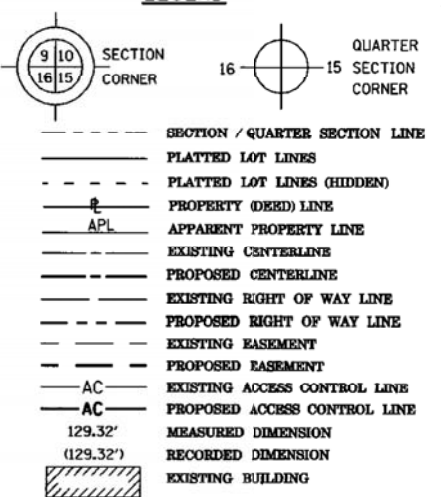


VENETIAN VILLAGE UNIT 15
REC. 4/7/1954
DOC. NO. 820687
CERTIFICATE OF CORRECTION
REC. 9/3/1954
DOC. NO. 835797

LINE LEGEND

Ⓐ S 48°53'46" E 26.31'	Ⓢ Δ = 0°01'28"
Ⓑ N 41°06'14" E 5.00'	L = 4.08'
Ⓒ S 41°06'14" W 5.00'	R = 9,599.34'
Ⓓ N 41°06'14" E 5.00'	C = 4.08'
Ⓔ S 48°53'46" E 27.18'	CB = S 48°16'36" E
Ⓕ S 41°06'14" W 15.00'	Δ = 0°35'49"
Ⓖ N 48°40'51" W 10.91'	L = 59.97'
Ⓗ N 41°06'52" E 16.58'	R = 9,599.34'
Ⓙ S 67°55'08" E 11.68'	C = 59.97'
Ⓚ S 41°06'52" W 3.84'	CB = S 48°28'04" E
Ⓛ Δ = 0°08'58"	
Ⓜ L = 25.04'	
Ⓝ R = 9,599.34'	
Ⓟ C = 25.04'	
Ⓠ CB = S 48°47'15" E	
Ⓡ N 41°06'52" E 3.84'	
Ⓢ Δ = 0°03'57"	
Ⓣ L = 11.03'	
Ⓤ R = 9,599.34'	
Ⓥ C = 11.03'	
Ⓦ CB = S 48°40'47" E	
Ⓧ N 48°29'52" W 19.44'	
Ⓨ N 41°43'08" E 10.00'	
Ⓩ N 48°51'44" W 3.87'	

LEGEND



ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".

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- AREAS SHOWN ON PLAT ARE GROUND.
- IRON PIPE OR ROD FOUND
 - ⊕ "MAG" NAIL SET
 - + CUT CROSS FOUND OR SET
 - 5/8" REBAR SET
 - STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 - M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
 - RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
COUNTY OF)

THIS IS TO CERTIFY THAT I, COVENTINE FIDIS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 2, TOWNSHIP 45 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY. THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 27th DAY OF JUNE 2015 A.D.

Coventine Fidis
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2159
LICENSE EXPIRATION DATE: NOVEMBER 30, 2016
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
FIELD WORK COMPLETED 6/17/2015



POINT NO.	NORTHING	EASTING	STATION	OFFSET
7555	2092919.60	1064495.61	113+93.10	50.41' LT.
7558	2092934.37	1064508.48	113+92.76	70.00' LT.
7559	2092879.99	1064569.34	114+75.00	70.00' LT.
7560	2092868.76	1064559.40	114+75.00	55.00' LT.
7561	2092823.50	1064610.87	115+43.94	55.00' LT.
7562	2092820.05	1064607.87	115+43.95	50.42' LT.
7564	2092725.10	1064723.66	116+93.63	55.00' LT.
7565	2092721.58	1064720.59	116+93.64	50.33' LT.
7566	2092822.60	1064604.95	115+40.06	50.42' LT.
7567	2092771.06	1064512.05	115+04.17	49.58' RT.
7568	2092768.17	1064509.52	115+04.19	53.42' RT.
7569	2092755.68	1064498.61	115+04.26	70.00' RT.
7570	2092795.58	1064453.56	114+44.52	70.00' RT.
7571	2092803.05	1064460.22	114+44.52	60.00' RT.
7572	2092810.83	1064467.15	114+44.52	49.58' RT.
7573	2092774.05	1064495.01	114+89.50	58.60' RT.
7574	2092786.93	1064480.45	114+70.18	58.60' RT.
7577	2092728.87	1064560.24	115+68.01	49.59' RT.

SEE SHEET A17 FOR 1L60064TE, 1L60064, 1L60065TE, 1L60065, 1L60066 AND 1L60067TE FOR TOTAL HOLDING DETAIL
SEE SHEET A18 FOR 1L60068TE FOR TOTAL HOLDING DETAIL

FIRST ADDITION TO LINDENHURST ESTATES SUBDIVISION

REC. 8/19/1957
DOC. NO. 961865

POINT NO.	NORTHING	EASTING	STATION	OFFSET
7578	2092724.80	1064556.68	115+68.01	55.00' RT.
7579	2092759.71	1064516.75	115+15.4	55.00' RT.
7580	2092748.44	1064506.85	115+15.4	70.00' RT.
7581	2092763.78	1064520.33	115+15.4	49.58' RT.
7583	2092680.16	1064616.01	116+42.06	49.64' RT.
7584	2092668.59	1064605.90	116+42.05	65.00' RT.
7585	2092696.23	1064574.22	116+00.00	65.00' RT.
7586	2092703.77	1064580.79	116+00.00	55.00' RT.
7587	2092605.10	1064701.94	117+56.16	49.70' RT.
7588	2092601.11	1064698.45	117+56.15	55.00' RT.
7589	2092622.25	1064674.23	117+24.00	55.00' RT.
7590	2092614.71	1064667.65	117+24.00	65.00' RT.
7591	2092565.59	1064747.16	118+16.21	49.74' RT.
7592	2092561.63	1064743.70	118+16.20	55.00' RT.
7597	2092619.91	1064836.99	118+48.18	50.24' LT.
7598	2092707.76	1064743.53	117+24.00	55.00' LT.
7599	2092711.53	1064746.82	117+20.00	60.00' LT.
7600	2092684.36	1064777.96	117+61.33	60.00' LT.
7601	2092680.59	1064774.68	117+61.33	55.00' LT.
7602	2092641.36	1064819.64	118+21.00	55.00' LT.
7603	2092645.13	1064822.92	118+21.00	60.00' LT.
7604	2092627.26	1064843.41	118+48.19	60.00' LT.

REVISION DATE: 6/17/2015 MADE BY: EJS

IDOT USE ONLY

PROF. CURVE
PI STA. = 110+52.89
Δ = 6° 02' 26" (LT)
D = 0° 36' 48"
R = 9,340.50'
T = 492.83'
L = 984.74'
E = 12.99'
P.C. STA = 105+60.06
P.T. STA = 115+44.80

AMERICAN
SURVEYING & ENGINEERING, P.C.
SURVEYORS-ENGINEERS
GEODESISTS-MAPPING SCIENTISTS
150 N. Western Dr. Suite 2000
Chicago, IL 60606
312-277-2000 / Fax 312-277-2002
Illinois Professional Design Firm No. 194-009192

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 132

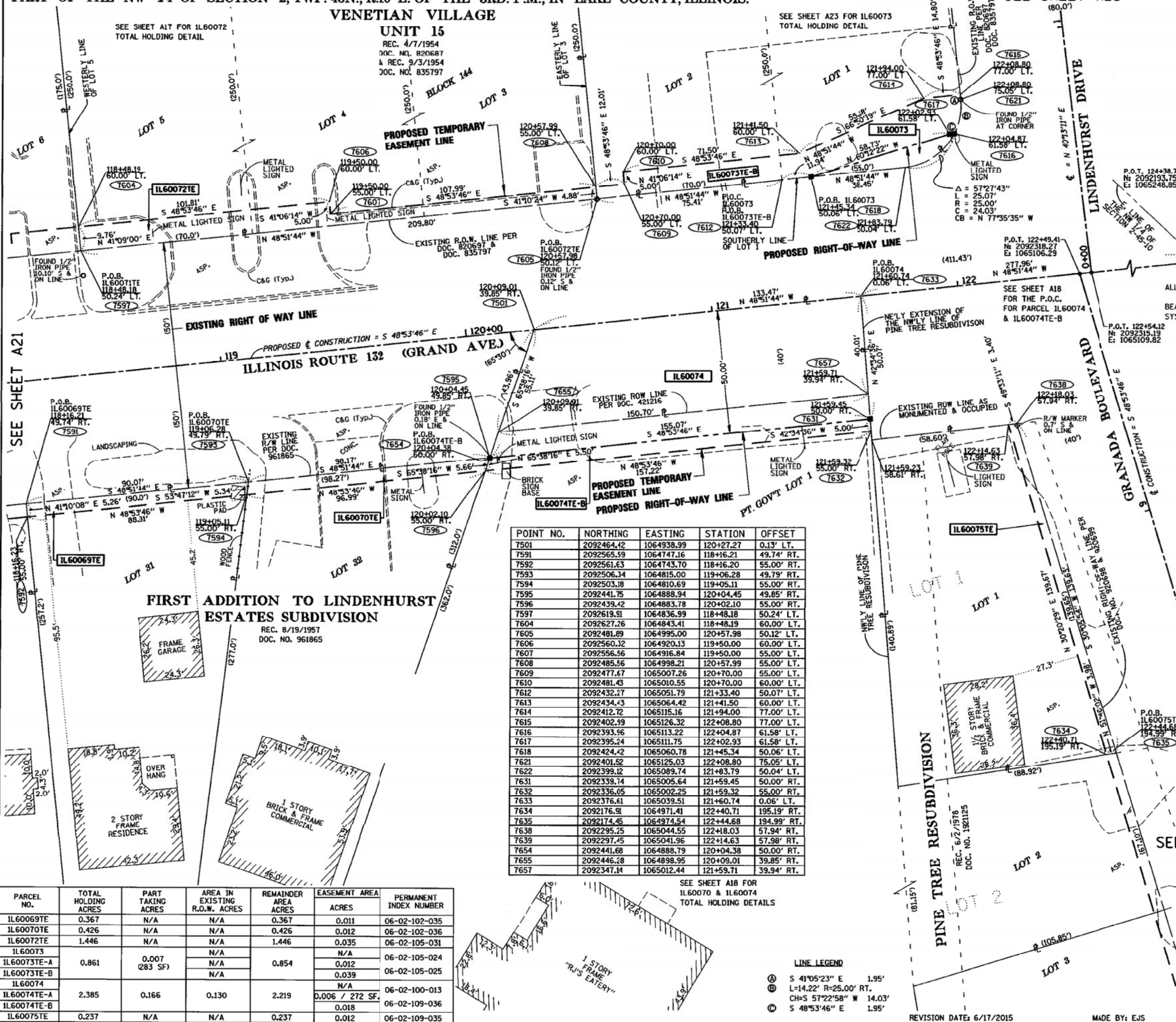
LIMITS: MUNN ROAD TO E OF SAND LAKE ROAD
COUNTY: LAKE
SECTION: JOB NO.: R-91-037-13
STATION 113+93.02 TO STATION 118+48.19
SCALE: 1"=20' SHEET A21 OF 24

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
CHAUMBURG, ILLINOIS 60196

VENETIAN VILLAGE

UNIT 15

REC. 4/7/1954
DOC. NO. 820687
& REC. 9/3/1954
DOC. NO. 835797



LEGEND

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PLATTED LOT LINES (HIDDEN)
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- AC EXISTING ACCESS CONTROL LINE
- AC PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".

ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999499714.

AREAS SHOWN ON PLAT ARE GROUND.

- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
COUNTY OF)

THIS IS TO CERTIFY THAT I, COVENTINE FIDIS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 2, TOWNSHIP 45 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT *Chicago*, ILLINOIS THIS *24TH* DAY OF *JUNE* 2015 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2159
LICENSE EXPIRATION DATE: NOVEMBER 30, 2016

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

FIELD WORK COMPLETED 6/17/2015

POINT NO.	NORTHING	EASTING	STATION	OFFSET
7501	2092464.42	1064938.99	120+27.27	0.13' LT.
7591	2092565.59	1064747.16	118+16.21	49.74' RT.
7592	2092561.63	1064743.70	118+16.20	55.00' RT.
7593	2092506.34	1064815.00	119+06.28	49.79' RT.
7594	2092503.18	1064810.69	119+05.11	55.00' RT.
7595	2092441.75	1064888.94	120+04.45	49.85' RT.
7596	2092439.42	1064883.78	120+02.10	55.00' RT.
7597	2092619.51	1064836.99	118+48.18	50.24' LT.
7604	2092627.26	1064843.41	118+48.19	60.00' LT.
7605	2092481.89	1064995.00	120+57.98	50.12' LT.
7606	2092560.32	1064920.13	119+50.00	60.00' LT.
7607	2092556.56	1064916.84	119+50.00	55.00' LT.
7608	2092485.56	1064998.21	120+57.99	55.00' LT.
7609	2092477.67	1065007.26	120+70.00	55.00' LT.
7610	2092481.43	1065010.55	120+70.00	60.00' LT.
7612	2092432.27	1065051.79	121+33.40	50.07' LT.
7613	2092434.43	1065064.42	121+41.50	60.00' LT.
7614	2092412.72	1065115.16	121+94.00	77.00' LT.
7615	2092402.99	1065126.32	122+08.80	77.00' LT.
7616	2092393.96	1065113.22	122+04.87	61.58' LT.
7617	2092395.24	1065111.75	122+02.93	61.58' LT.
7618	2092424.42	1065060.78	121+45.34	50.06' LT.
7621	2092401.52	1065125.03	122+08.80	75.05' LT.
7622	2092399.12	1065089.74	121+83.79	50.04' LT.
7631	2092339.14	1065005.64	121+59.45	50.00' RT.
7632	2092336.05	1065002.25	121+59.32	55.00' RT.
7633	2092376.61	1065039.51	121+60.74	0.06' LT.
7634	2092176.51	1064971.41	122+40.71	195.19' RT.
7635	2092174.45	1064974.54	122+44.68	194.99' RT.
7638	2092295.25	1065044.55	122+18.03	57.94' RT.
7639	2092297.45	1065041.96	122+14.63	57.98' RT.
7654	2092441.68	1064888.79	120+04.38	50.00' RT.
7655	2092446.28	1064898.95	120+09.01	39.85' RT.
7657	2092347.14	1065012.44	121+59.71	39.94' RT.

PARCEL NO.	TOTAL HOLDING ACRES	PART TAKING ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	PERMANENT INDEX NUMBER
IL60069TE	0.367	N/A	N/A	0.367	0.011	06-02-102-035
IL60070TE	0.426	N/A	N/A	0.426	0.012	06-02-102-036
IL60072TE	1.446	N/A	N/A	1.446	0.035	06-02-105-031
IL60073TE-A	0.861	0.007 (283 SF)	N/A	0.854	0.012	06-02-105-024
IL60073TE-B			N/A		0.039	06-02-105-025
IL60074			N/A		N/A	
IL60074TE-A	2.385	0.166	0.130	2.219	0.006 / 272 SF	06-02-100-013
IL60074TE-B					0.018	06-02-109-036
IL60075TE	0.237	N/A	N/A	0.237	0.012	06-02-109-035

SEE SHEET A24

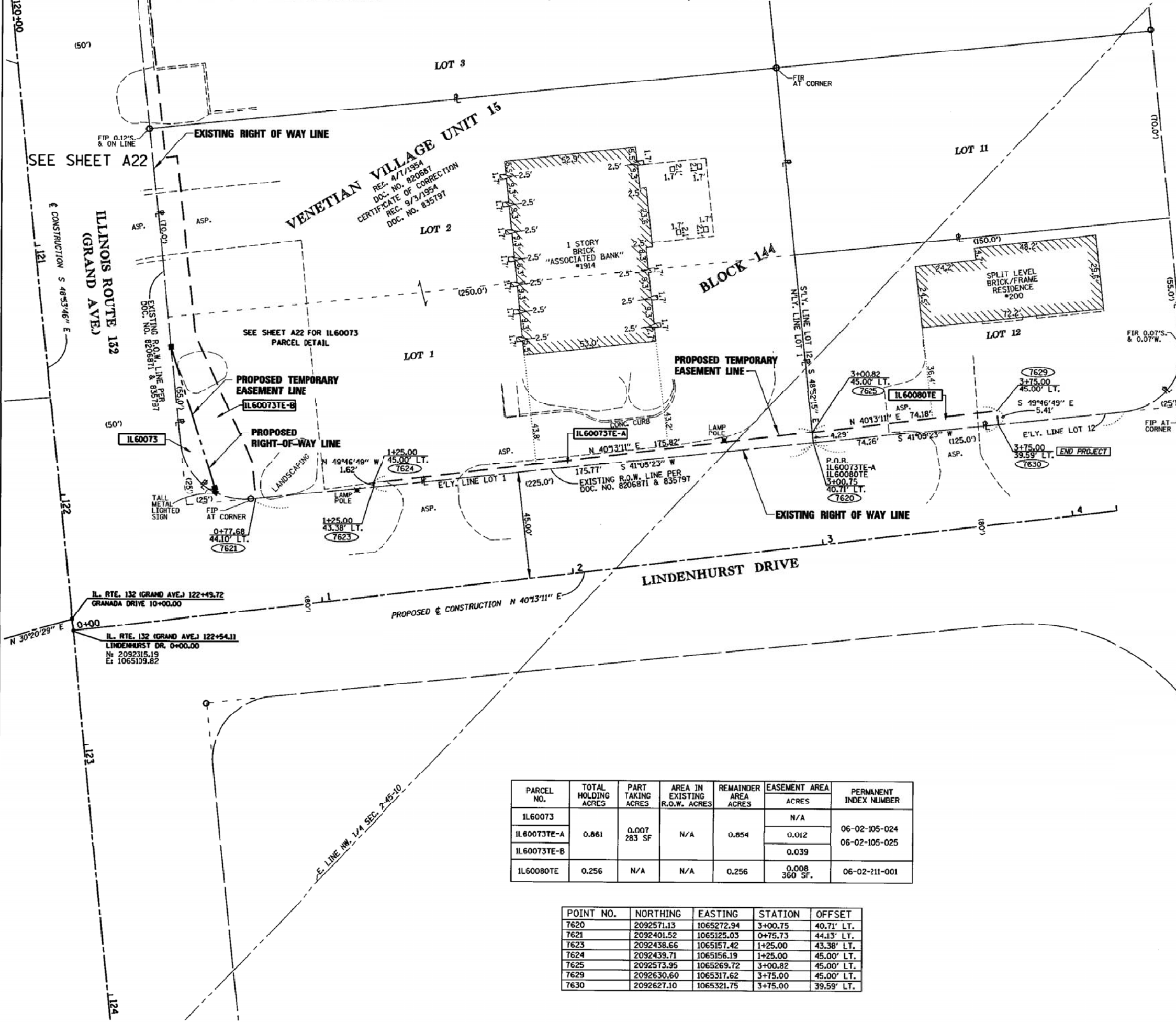
PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 132

LIMITS: MUNN ROAD TO E OF SAND LAKE ROAD
COUNTY: LAKE

SECTION: JOB NO.: R-91-037-13
STATION 118+16.21 TO STATION 122+08.80
SCALE: 1"=20' SHEET A22 OF 24

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAMBURG, ILLINOIS 60196





LEGEND

SECTION CORNER: 9 10 16 15
 QUARTER SECTION CORNER: 16 15

--- SECTION / QUARTER SECTION LINE
 --- PLATTED LOT LINES
 --- PLATTED LOT LINES (HIDDEN)
 --- PROPERTY (DEED) LINE
 --- APPARENT PROPERTY LINE
 --- EXISTING CENTERLINE
 --- PROPOSED CENTERLINE
 --- EXISTING RIGHT OF WAY LINE
 --- PROPOSED RIGHT OF WAY LINE
 --- EXISTING EASEMENT
 --- PROPOSED EASEMENT
 --- AC --- EXISTING ACCESS CONTROL LINE
 --- AC --- PROPOSED ACCESS CONTROL LINE
 --- 129.32' (129.32') MEASURED DIMENSION
 --- 129.32' (129.32') RECORDED DIMENSION
 [Hatched Box] EXISTING BUILDING

GRAPHIC SCALE
 FEET
 0' 5' 10' 20'
 SCALE: 1" = 20'

ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
 BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".

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 AREAS SHOWN ON PLAT ARE GROUND.

- IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET ● 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

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DATED AT Chicago, ILLINOIS THIS 24th DAY OF JUNE 2015 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2159
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FIELD WORK COMPLETED 6/17/2015



AMERICAN
 SURVEYING & ENGINEERING, P.C.
 SURVEYORS-ENGINEERS
 GEODESISTS-MAPPING SCIENTISTS
 150 N. Wacker Dr. Suite 2050
 Chicago, IL 60606
 312-577-2000 / Fax 312-577-2002
 Illinois Professional Design Firm No. 184-00182

PARCEL NO.	TOTAL HOLDING ACRES	PART TAKING ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	PERMANENT INDEX NUMBER
1L60073					N/A	
1L60073TE-A	0.861	0.007 283 SF	N/A	0.854	0.012	06-02-105-024
1L60073TE-B					0.039	06-02-105-025
1L60080TE	0.256	N/A	N/A	0.256	0.008 360 SF.	06-02-211-001

POINT NO.	NORTHING	EASTING	STATION	OFFSET
7620	2092571.13	1065272.94	3+00.75	40.71' LT.
7621	2092401.52	1065125.03	0+75.73	44.13' LT.
7623	2092438.66	1065157.42	1+25.00	43.38' LT.
7624	2092439.71	1065156.19	1+25.00	45.00' LT.
7625	2092573.95	1065269.72	3+00.82	45.00' LT.
7629	2092630.60	1065317.62	3+75.00	45.00' LT.
7630	2092627.10	1065321.75	3+75.00	39.59' LT.

IDOT USE ONLY

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 132

LIMITS: MJNN ROAD TO E OF SAND LAKE ROAD
 COUNTY: LAKE

SECTION: JOB NO.: R-91-037-13
 STATION 1+25.00 TO STATION 3+75.00
 SCALE: 1"=20' SHEET A23 OF 24

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

PARCEL NO.	TOTAL HOLDING ACRES	PART TAKING ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	PERMANENT INDEX NUMBER
1L60074						
1L60074TE-A	2.385	0.166	N/A	2.219	0.006 272 SF.	06-02-100-013
1L60074TE-B					0.018	06-02-109-036
1L60076TE	0.159	N/A	N/A	0.159	0.007 299 SF.	06-02-109-037
1L60077TE	0.501	N/A	N/A	0.501	0.018	06-02-109-038 06-02-109-039 06-02-109-040
1L60078TE	0.227	N/A	N/A	0.227	0.006 240 SF.	06-02-109-028
1L60079TE	0.184	N/A	N/A	0.184	0.005 213 SF.	06-02-109-027

SAND LAKE

PART OF GOVT. LOT 1

CURVE LEGEND

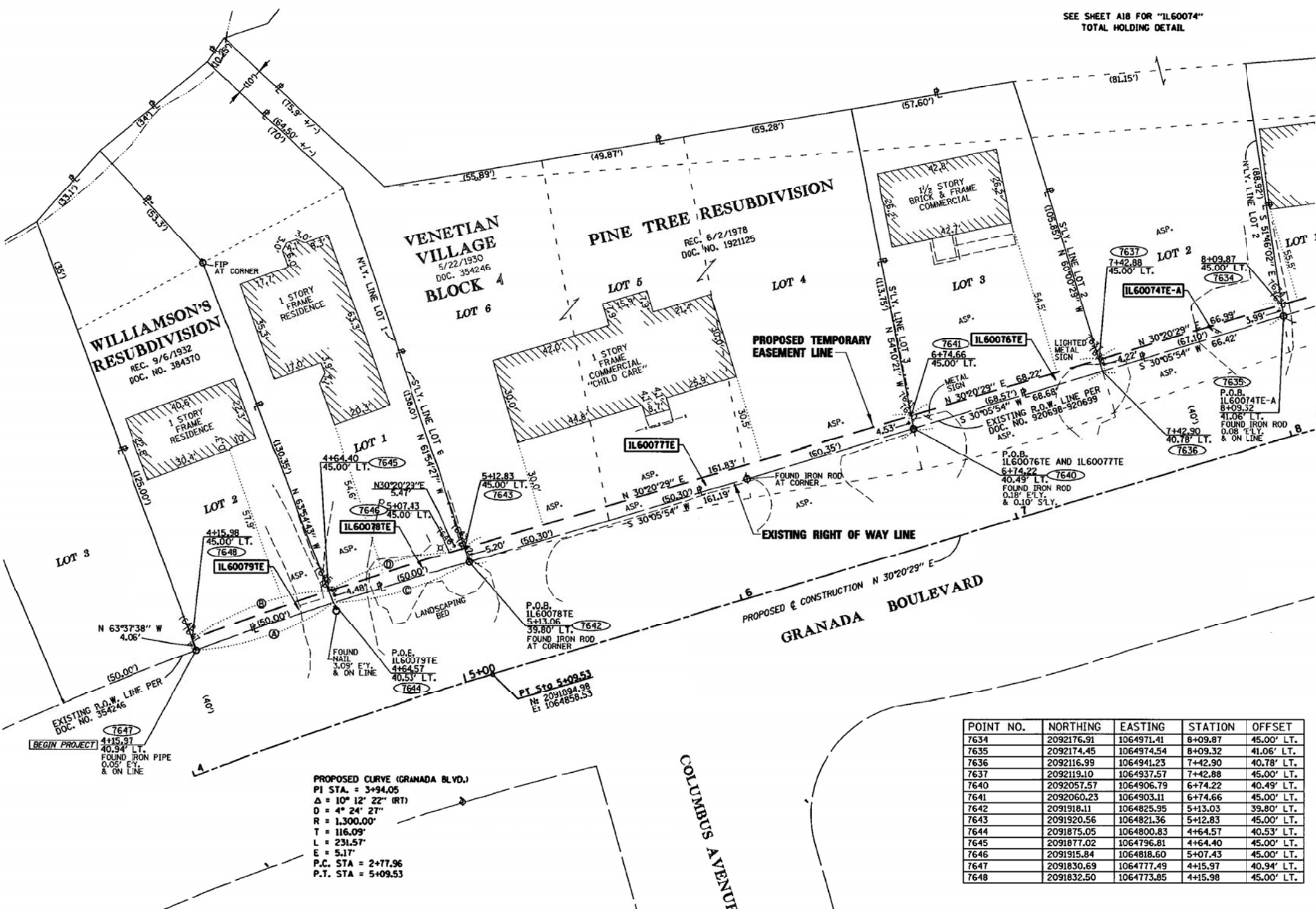
- Ⓐ Δ = 02°30'20"
L = 50.13'
R = 1,146.28'
C = 50.12'
CB = S 27°45'16" W
- Ⓑ Δ = 02°08'02"
L = 50.10'
R = 1,345.00'
C = 50.09'
CB = N 27°17'06" E
- Ⓒ Δ = 2°29'31"
L = 49.86'
R = 1,146.28'
C = 49.85'
CB = S 30°15'12" W
- Ⓓ Δ = 1°53'47"
L = 44.52'
R = 1,345.00'
C = 44.52'
CB = N 29°18'00" E

LEGEND

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PLATTED LOT LINES (HIDDEN)
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

GRAPHIC SCALE
FEET
0' 5' 10' 20'
SCALE: 1" = 20'

SEE SHEET A18 FOR "1L60074"
TOTAL HOLDING DETAIL



SEE SHEET A22

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- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
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- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
RIGHT OF WAY STAKING PROPOSED TO BE SET
STATE OF ILLINOIS)
COUNTY OF)

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FIELD WORK COMPLETED 6/17/2015



POINT NO.	NORTHING	EASTING	STATION	OFFSET
7634	2092176.91	1064971.41	8+09.87	45.00' LT.
7635	2092174.45	1064974.54	8+09.32	41.06' LT.
7636	2092116.99	1064941.23	7+42.90	40.78' LT.
7637	2092119.10	1064937.57	7+42.88	45.00' LT.
7640	2092057.57	1064906.79	6+74.22	40.49' LT.
7641	2092060.23	1064903.11	6+74.66	45.00' LT.
7642	2091918.11	1064825.95	5+13.03	39.80' LT.
7643	2091920.56	1064821.36	5+12.83	45.00' LT.
7644	2091875.05	1064800.83	4+64.57	40.53' LT.
7645	2091877.02	1064796.81	4+64.40	45.00' LT.
7646	2091915.84	1064818.60	5+07.43	45.00' LT.
7647	2091830.69	1064777.49	4+15.97	40.94' LT.
7648	2091832.50	1064773.85	4+15.98	45.00' LT.

PROPOSED CURVE (GRANADA BLVD.)
PI STA. = 3+94.05
Δ = 10° 12' 22" (RT)
D = 4° 24' 27"
R = 1,300.00'
T = 116.09'
L = 231.57'
E = 5.17'
P.C. STA = 2+77.96
P.T. STA = 5+09.53

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 132 (GRAND AVENUE)
LIMITS: MUNN ROAD TO E OF SAND LAKE ROAD
COUNTY: LAKE
SECTION: JOB NO.: R-91-037-13
STATION 4+20.65 TO STATION 8+09.97
SCALE: 1"=20' SHEET A24 OF 24
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

PLAT OF HIGHWAYS INDEX SHEET

SHEET 1B COVER SHEET
SHEET 2B INDEX SHEET
SHEET 3B ILLINOIS ROUTE 132 - STA. 122 + 54.12 TO 132 + 77.19
SHEET 4B ILLINOIS ROUTE 132 - STA. 122 + 54.12 TO 132 + 77.19
SHEET 5B ILLINOIS ROUTE 132 - STA. 128 + 68.08 TO 138 + 67.45
SHEET 6B ILLINOIS ROUTE 132 - STA. 136 + 73.63 TO 142 + 39.21
SHEET 7B ILLINOIS ROUTE 132 - STA. 137 + 89.56 TO 147 + 25.00
SHEET 8B ILLINOIS ROUTE 132 - STA. 142 + 37.56 TO 152 + 46.96
SHEET 9B ILLINOIS ROUTE 132 - STA. 150 + 44.46 TO 155 + 34.98
SHEET 10B ILLINOIS ROUTE 132 - STA. 155 + 13.79 TO 158 + 93.66
SHEET 11B ILLINOIS ROUTE 132 - STA. 158 + 93.78 TO 165 + 17.05
SHEET 12B ILLINOIS ROUTE 132 - STA. 159 + 91.08 TO 169 + 35.74
SHEET 13B ILLINOIS ROUTE 132 - STA. 165 + 85.32 TO 172 + 61.97
SHEET 14B ILLINOIS ROUTE 132 - STA. 172 + 44.89 TO 177 + 40.15
SHEET 15B ILLINOIS ROUTE 132 - TOTAL HOLDING - PARCEL 1L60149PE
SHEET 16B ILLINOIS ROUTE 132 - STA. 169 + 35.74 TO 174 + 90.28
SHEET 17B ILLINOIS ROUTE 132 - PROPOSED CENTERLINE ALIGNMENT

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
1L60100	RALPH E. MINCH AND CHERYL L. MINCH, IN JOINT TENANCY	4B	
1L60101	BRIAN ISOM AND MARLENE ISOM, HUSBAND AND WIFE, AS TENANTS BY THE ENTIRETY	3B	
1L60102	SCP 2006-C23-154 LLC, A DELAWARE LIMITED LIABILITY COMPANY	3B	
1L60103	AT LINDENHURST IL, LLC, AN ARIZONA LIMITED LIABILITY COMPANY	3B & 5B	
1L60104	WILLIAM A. CHURCHILL, AS TRUSTEE UNDER TRUST NUMBER 100, DATED DECEMBER 8, 1995	4B	
1L60105	2041 GRAND, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	4B	
1L60106	CHICAGO LAND TITLE TRUST, AS SUCCESSOR TO BANK OF WAUKEGAN, AS TRUSTEE UNDER THE PROVISIONS OF A TRUST AGREEMENT DATED AUGUST 19, 1988, AND KNOWN AS TRUST NUMBER 3238	4B	
1L60107	DANIEL J. BUSCH, JR. AND JUANITA M. BUSCH, HUSBAND AND WIFE, AS JOINT TENANTS	5B	
1L60108	RLC ENTERPRISES, INC., AN ILLINOIS CORPORATION	5B	
1L60109	CHICAGO TITLE LAND TRUST COMPANY AS SUCCESSOR TO AMERICAN NATIONAL BANK AND TRUST COMPANY OF CHICAGO, AS TRUSTEE UNDER THE PROVISIONS OF A TRUST AGREEMENT DATED AUGUST 11, 1969, AND KNOWN AS TRUST NUMBER 28683	5B	
1L60110	CHICAGO TITLE LAND TRUST COMPANY, AS SUCCESSOR TO LASALLE NATIONAL BANK, AS TRUSTEE UNDER A TRUST AGREEMENT DATED THE 23rd DAY OF JANUARY, 1981, KNOWN AS TRUST NUMBER 1D-37996-09	7B	
1L60111	JAMES H. STREICHER, AS TRUSTEE UNDER THE PROVISIONS OF A CERTAIN TRUST AGREEMENT DATED JULY 18, 2013, AND KNOWN AS TRUST NUMBER 2200	6B	
1L60112	JAMES A. HEALY LIVING TRUST DATED APRIL 2, 1993	6B	
1L60113	MCDONALD'S CORPORATION	7B	
1L60114	VILLAGE OF LINDENHURST	7B	
1L60115	NANCY V. WOLFF, AS TRUSTEE UNDER THE PROVISIONS OF A TRUST AGREEMENT DATED JULY 27, 2006 AND KNOWN AS THE WOLFF FAMILY TRUST	9B	
1L60116	GERALD L. WESCOTT AND PATRICIA L. WESCOTT, HUSBAND AND WIFE, AS TENANTS BY THE ENTIRETY	9B	
1L60117	MICHAEL STACY, A SINGLE PERSON AND HELENE SERWATKA, A SINGLE PERSON, AS JOINT TENANTS	10B	
1L60118	IRA CARL POWELL AND MARILYN M. POWELL, CO-TRUSTEES OF THE POWELL FAMILY TRUST DATED DECEMBER 20, 2010	10B	
1L60119	ED TUOHY, BY ASSIGNMENT	10B	
1L60120	SCOTT P. STANFEL AND DEADRA J. STANFEL, HUSBAND AND WIFE, AS TENANTS BY THE ENTIRETY	10B	
1L60121	AUSTIN F. MILLER	10B	
1L60122	DARRELL HUSTON	9B	
1L60123	CHRISTOPHER C. McCATEER	9B	
1L60124	DON E. MOWERY, JR. AND ROSE M. LUNA MOWERY, HUSBAND AND WIFE, AS TENANTS BY THE ENTIRETY	9B	
1L60125	ANDREW M. BAUSCHKE AND DONNA L. BAUSCHKE, HUSBAND AND WIFE, IN JOINT TENANCY	9B	
1L60126	ROSLYN J. BLACKOWICZ	9B	
1L60127	ALBERT LEVY AND TONI LEVY, HUSBAND AND WIFE, AS TENANTS BY THE ENTIRETY	10B	
1L60128	HEATHER D. ROBBINS	10B	
1L60129	RATOMIR RADOJEVICH, MILOS M. RADOJEVICH AND DIVNA RADOJEVICH, IN JOINT TENANCY	10B	
1L60130	DRAGAN MARKOVIC AND SUZANA MARKOVIC, HUSBAND AND WIFE AS TENANTS BY THE ENTIRETY	10B	
1L60131	KRISTINE ERNEST n/k/a KRISTINE CASEY	10B	

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
1L60132	DOUGLAS M. LILA AND JILL K. LILA, HUSBAND AND WIFE, AS TENANTS BY THE ENTIRETY	11B	
1L60133	AMANDA THOMAS	11B	
1L60134	STEVEN A. WESCOTT AND ELIZABETH L. WESCOTT, IN JOINT TENANCY	11B	
1L60135	RANDY KOESTER	11B	
1L60136	JACK L. HEINE AND GERALDINE HEINE, HUSBAND AND WIFE, AS TENANCY BY THE ENTIRETY	11B	
1L60137	KAREN DE LISE, AS TRUSTEE OF THE KAREN DE LISE 2009 TRUST u/t/a/d MAY 14, 2009, AS TO AN UNDIVIDED 1/2 INTEREST, AND JOHN DE LISE, AS TRUSTEE OF THE JOHN DE LISE 2009 TRUST u/t/a/d MAY 14, 2009, AS TO AN UNDIVIDED 1/2 INTEREST	11B	
1L60138	FLIPEM, LLC	11B	
1L60139	TERI L. MANLEY	11B	
1L60140	SMITH DIANA	11B	
1L60141	BRETT BURTON AND BRANDON BURTON, AS JOINTS TENANTS	11B	
1L60142	FREDERICK E. BUDGE, SURVIVING JOINT TENANT	13B	
1L60143	CARL A. LENZEN	13B	
1L60144	MICHAEL A. FALK AND JANET A. FALK, IN JOINT TENANCY	13B	
1L60145	ALEXANDER V. AGUILAR AND HERBERTH O. AGUILAR, IN JOINT TENANCY	13B	

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
1L60146	RAYMOND J. MONZEL AND TRICIA M. EASTBERG AND JAMES F. EASTBERG AND PAULINE M. EASTBERG, HIS WIFE, AS JOINT TENANTS	13B	
1L60147	DOROTHY C. SETZER	13B	
1L60148	COUNTRY PLACE HOMEOWNERS ASSOCIATION, AN ILLINOIS NOT-FOR-PROFIT CORPORATION	14B	
1L60149	LAKE COUNTY FOREST PRESERVE DISTRICT, A BODY POLITIC AND CORPORATE	14B, 15B	
1L60150	WILLIAM C. EISERMAN, AS TRUSTEE OF THE WILLIAM C. EISERMAN REVOCABLE TRUST U/D DATED FEBRUARY 4, 1993, AS TO AN UNDIVIDED 1/2 INTEREST, DOROTHY M. EISERMAN, AS TRUSTEE OF THE DOROTHY M. EISERMAN REVOCABLE TRUST U/D DATED FEBRUARY 4, 1993, AS TO AN UNDIVIDED 1/2 INTEREST	12B	
1L60151	IRA CARL POWELL JR., AS TRUSTEE OF THE IRA CARL POWELL, JR. REVOCABLE TRUST, DATED DECEMBER 28, 2000, AND TAMRA L. POWELL, AS TRUSTEE OF THE TAMARA L. POWELL REVOCABLE TRUST, DATED DECEMBER 27, 2000	16B	
1L60152	DARRELL W. KUNTZ AND MIA KUNTZ, AS JOINT TENANTS	16B	
1L60153	ATG TRUST COMPANY AS SUCCESSOR TO FIRST NATIONAL BANK OF LAKE FOREST, AS TRUSTEE UNDER THE PROVISIONS OF A TRUST AGREEMENT DATED JANUARY 7, 1982 AND KNOWN AS TRUST NUMBER 6910	16B	
1L60154	DANIEL A. SPANGENBERG AND ELAINE C. SPANGENBERG, HUSBAND AND WIFE AS TENANTS BY THE ENTIRETY	16B	
1L60155	SCOTT BRUMM AND JONELL G. BRUMM, HUSBAND AND WIFE, IN JOINT TENANCY	7B	
1L60156	AT JPM LINDENHURST IL, LLC, AN ARIZONA LIMITED LIABILITY COMPANY	3B	
1L60157	DANIEL A. SPANGENBERG AND ELAINE C. SPANGENBERG, HUSBAND AND WIFE AS TENANTS BY THE ENTIRETY	16B	

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 PLATS & LEGALS



Mackie Consultants, LLC
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 Rosemont, IL 60018
 (847)696-1400
 www.mackieconsult.com

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 132 (GRAND AVENUE)

LIMITS: LINDENHURST DRIVE TO DEERPATH DRIVE COUNTY: LAKE
 SECTION: STA. N/A TO STA. N/A JOB NO.: R-91-037-13
 SCALE: N/A SHEET 2B OF 17B SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: 11/30/16 REVISION MADE BY: MAC

PART OF SECTIONS 1, 2 AND 12 TWP. 45 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

GENERAL NOTES:

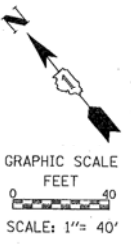
- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
- BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
- ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999499714.
- AREAS SHOWN ON THIS PLAT ARE GROUND.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
IL60101TE	0.278	N/A	N/A	0.278	0.008	340	06-02-213-038
IL60102TE-A IL60102TE-B	1.449	N/A	N/A	1.449	A=0.012 B=0.002	A=505 B=86	06-02-213-043
IL60103-A IL60103TE-A IL60103TE-B	5.747	A=0.014 A.C. B=0.013 A.C.	N/A	5.720	A=0.245 B=0.102	-	06-02-213-004 06-02-213-005 06-02-213-006 06-02-213-007 06-02-213-008 06-02-213-009 06-02-213-035 06-02-213-036 06-02-213-046
IL60156TE	1.417	N/A	N/A	1.417	0.082	-	06-02-213-044 06-02-213-045

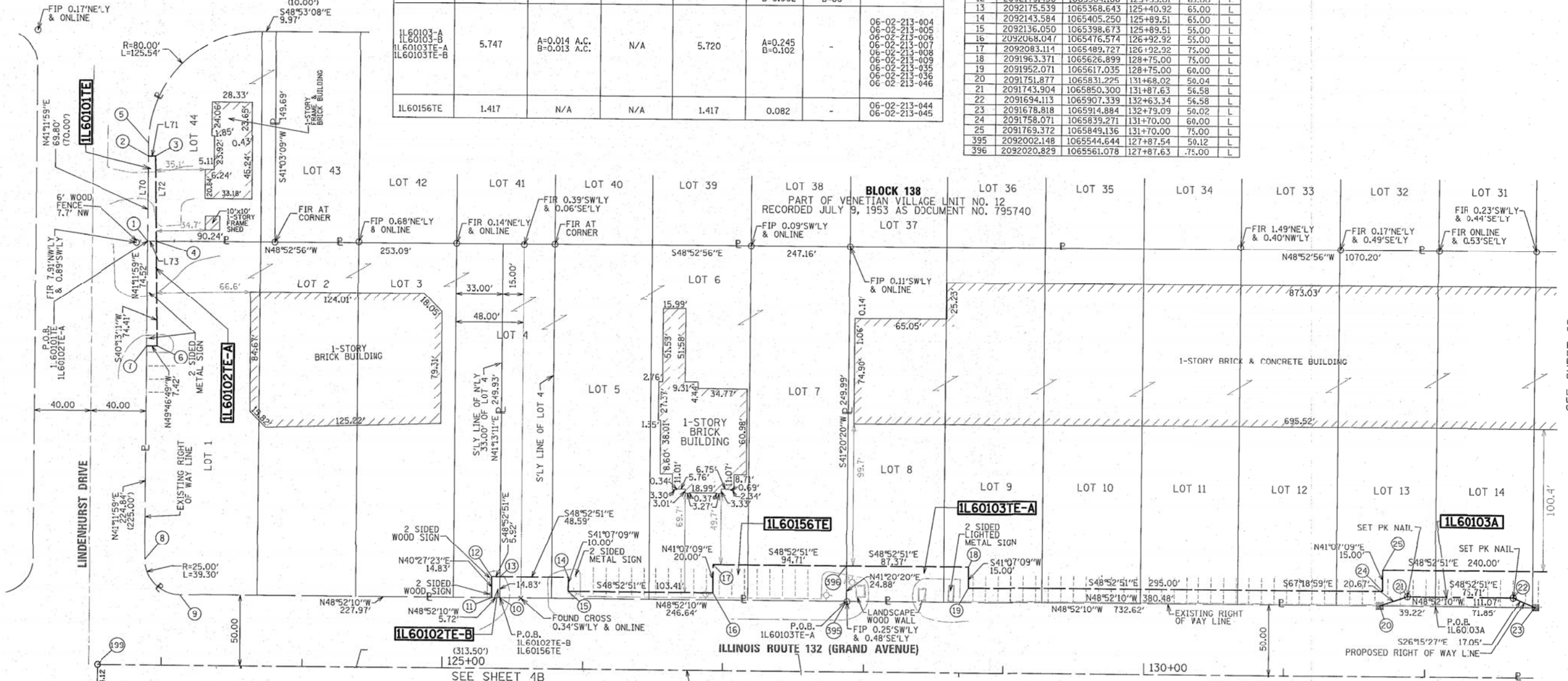
PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)

Point	Northing	Easting	Station	Offset	L/R
01	2092518.808	1065332.896	122+88.25	300.09	L
02	2092564.332	1065372.749	122+88.33	360.60	L
03	2092561.031	1065376.654	122+93.45	360.68	L
04	2092514.765	1065337.529	122+94.40	300.09	L
05	2092517.330	1065378.875	122+88.35	369.90	L
06	2092457.948	1065289.481	122+95.57	225.69	L
07	2092462.741	1065283.814	122+88.14	225.58	L
08	2092349.634	1065184.796	122+87.93	75.25	L
09	2092314.336	1065187.162	123+12.93	50.22	L
10	2092164.384	1065358.870	125+40.90	52.17	L
11	2092168.146	1065354.563	125+35.18	50.17	L
12	2092179.430	1065364.186	125+35.01	65.00	L
13	2092175.539	1065368.643	125+40.92	65.00	L
14	2092143.584	1065405.250	125+89.51	65.00	L
15	2092136.050	1065398.673	125+89.51	55.00	L
16	2092068.047	1065476.574	126+92.92	55.00	L
17	2092083.114	1065489.727	126+92.92	75.00	L
18	2091963.371	1065626.899	128+75.00	75.00	L
19	2091952.071	1065617.035	128+75.00	60.00	L
20	2091751.877	1065831.225	131+68.02	50.04	L
21	2091743.904	1065850.300	131+87.63	56.58	L
22	2091694.113	1065907.339	132+63.34	56.58	L
23	2091678.818	1065914.884	132+79.09	50.02	L
24	2091758.071	1065839.271	131+70.00	60.00	L
25	2091769.372	1065849.136	131+70.00	75.00	L
395	2092002.148	1065544.644	127+87.54	50.12	L
396	2092020.829	1065561.078	127+87.63	75.00	L

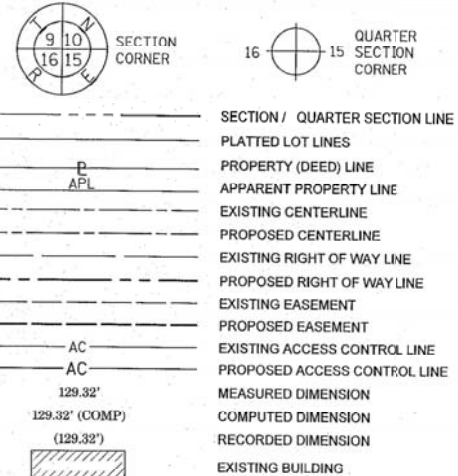
LINE NUMBER	BEARING	DISTANCE
L70	N41°11'59"E	60.50'
L71	S49°46'46"E	5.11'
L72	S40°13'11"W	60.59'
L73	N48°52'56"W	6.15'



DATE	BY	DATE	BY
08-26-14	SMC	06-30-15	GKF
08-26-14	DAG		
10-08-14	SMC		
10-15-14	GKF		



LEGEND



- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET
- ⊙ "MAG" NAIL SET
- 5/8" REBAR SET

SEE SHEET 17B FOR PROPOSED CENTERLINE ALIGNMENT INFORMATION

STATE OF ILLINOIS)
) SSS
COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, MACKIE CONSULTANTS, LLC, AN ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002694, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 1, 2 AND 12, TOWNSHIP 45 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSEMONT, ILLINOIS THIS 17th DAY OF March, 2017 A.D.

DALE A. GRAY
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003057
LICENSE EXPIRES NOVEMBER 30, 2018
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



DOT USE ONLY

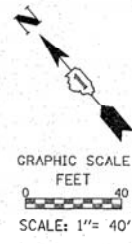
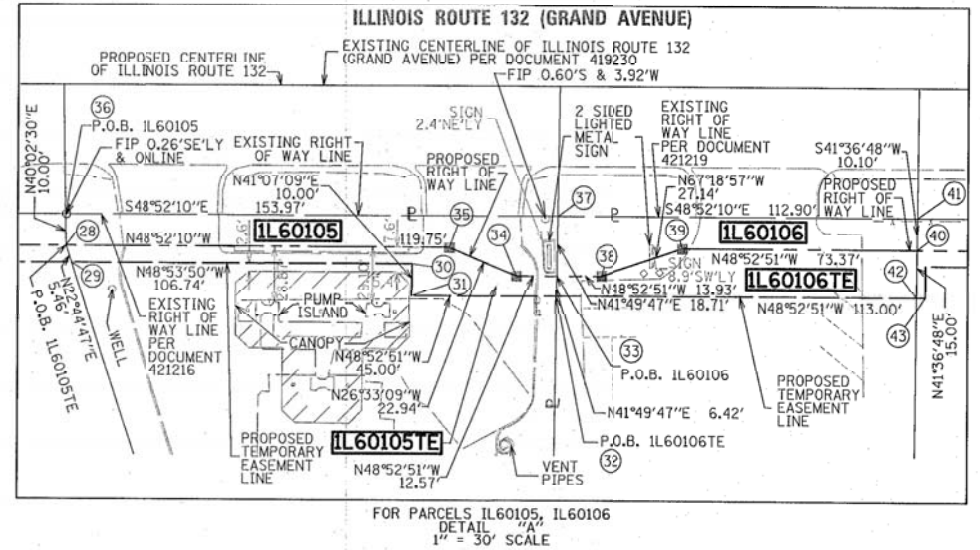
Mackie Consultants, LLC
9575 W. Higgins Road, Suite 500
Rosemont, IL 60018
(847)696-1400
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PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 132 (GRAND AVENUE)

LIMITS: LINDENHURST DRIVE TO DEERPATH DRIVE COUNTY: LAKE
SECTION: JOB NO.: R-91-037-13
STA. 122+54.12 TO STA. 132+77.19
SCALE: 1" = 40' SHEET 3B OF 17B SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: / / REVISION MADE BY:



PROJECT COORDINATES - ILLINOIS ROUTE 132 (GRAND AVENUE)
ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)

Point	Northing	Easting	Station	Offset	L/R
26	2092102.790	1065277.374	125+20.01	49.83	R
27	2092098.883	1065273.904	125+9.96	55.05	R
28	2092049.114	1065338.837	126+01.61	49.84	R
29	2092044.076	1065336.725	126+03.33	55.03	R
30	2091973.901	1065417.160	127+0.08	55.00	R
31	2091966.365	1065410.582	127+0.08	65.00	R
32	2091936.772	1065444.483	127+55.07	65.00	R
33	2091941.554	1065448.763	127+55.15	58.58	R
34	2091949.823	1065439.290	127+42.58	58.58	R
35	2091970.344	1065429.036	127+41.36	49.87	R
36	2092056.771	1065345.272	126+01.42	39.84	R
37	2091955.495	1065461.241	127+55.39	39.87	R
38	2091932.393	1065459.257	127+69.08	58.58	R
39	2091921.925	1065484.300	127+94.83	50.00	R
40	2091873.675	1065539.572	128+68.20	50.00	R
41	2091881.229	1065546.282	128+68.29	39.90	R
42	2091862.460	1065529.611	128+68.07	65.00	R
43	2091860.651	1065531.683	128+10.83	65.00	R
44	2091868.184	1065538.260	128+10.83	55.00	R
45	2091693.991	1065821.496	131+58.75	0.04	L
46	2091663.934	1065795.103	131+58.64	39.96	R
383	2092222.599	1065155.384	123+9.32	39.79	R
384	2092212.544	1065150.382	123+52.16	50.66	R
390	2092318.272	1065106.292	122+9.42	0.00	L


PROJECT COORDINATES - GRANADA BOULEVARD
ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)

Point	Northing	Easting	Station	Offset	L/R
385	2091866.752	1064888.371	4+95.94	39.98	R
386	2091864.248	1064892.722	4+95.94	45.00	R
387	2091814.552	1064865.598	4+41.30	45.00	R
388	2091817.197	1064860.481	4+41.30	39.24	R
389	2091894.993	1064858.538	5+09.53	0.00	R
390	2092318.272	1065106.292	10+00	0.00	R

STATE OF ILLINOIS)
COUNTY OF COOK)
THIS IS TO CERTIFY THAT WE, MACKIE CONSULTANTS, LLC, AN ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002694, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 1, 2 AND 12, TOWNSHIP 45 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.
DATED AT ROSEMONT, ILLINOIS THIS 14th DAY OF March, 2017 A.D.



DALE A. GRAY
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003057
LICENSE EXPIRES: NOVEMBER 30, 2018
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

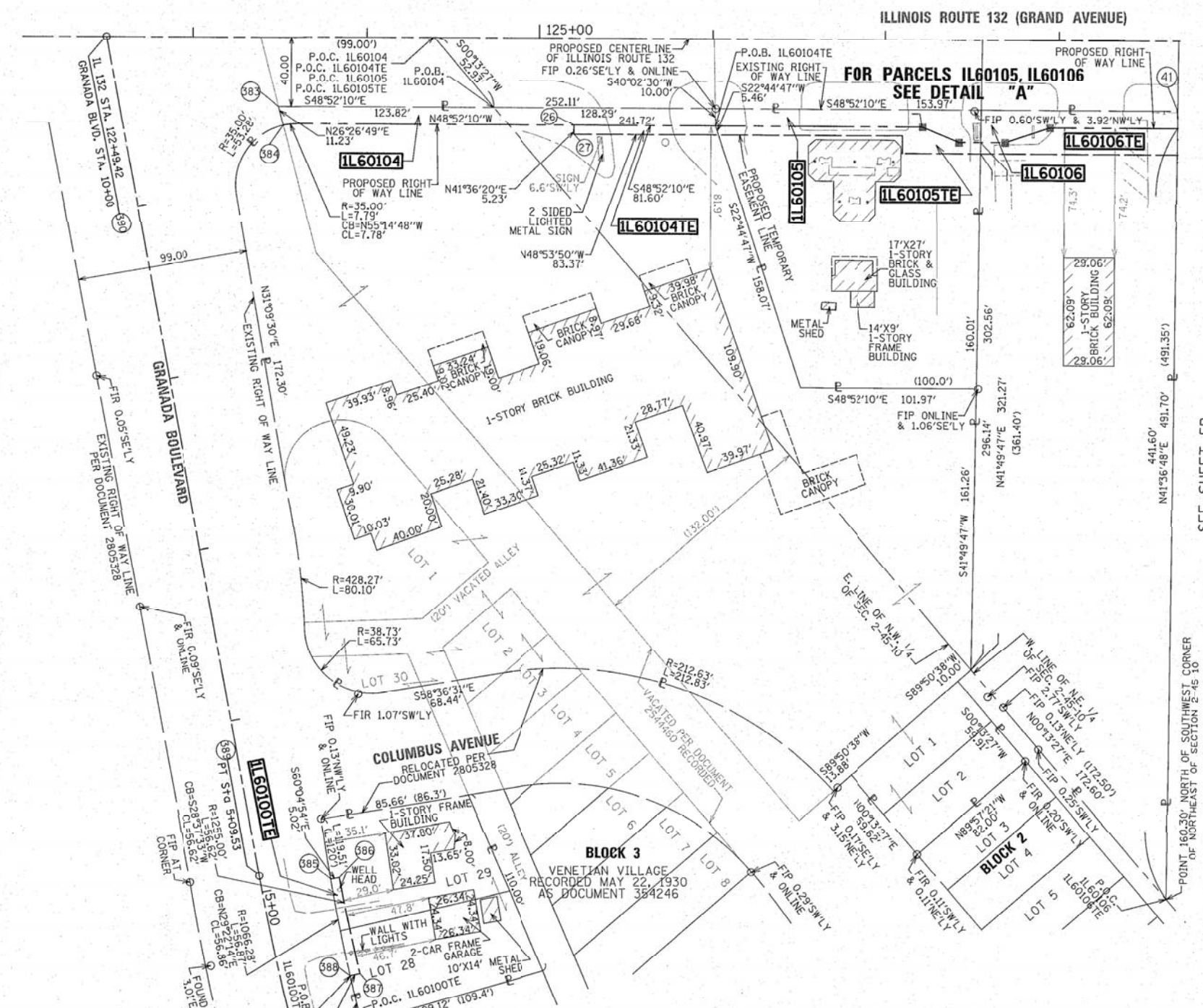


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PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 132 (GRAND AVENUE)

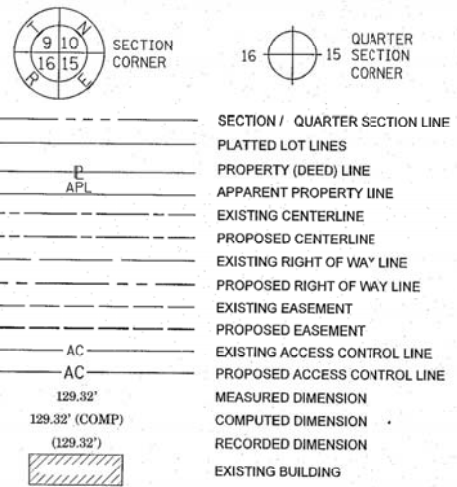
LIMITS: LINDEHURST DRIVE TO DEERPATH DRIVE COUNTY: LAKE
SECTION: JOB NO.: R-91-037-13
STA. 122+54.12 TO STA. 132+77.19
SCALE: 1" = 40' SHEET 4B OF 1/B SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196



SEE SHEET 5B

LEGEND



GENERAL NOTES:

- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
- BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
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- AREAS SHOWN ON THIS PLAT ARE GROUND.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	SQUARE FEET	PARCEL INDEX NUMBER
IL60100TE	0.257	N/A	N/A	0.257	0.007	308	06-02-110-003 06-02-110-004
IL60104 IL60104TE	2.806	0.058	N/A	2.748	0.010	429	06-02-100-018(P.T.) 06-02-110-036
IL60105 IL60105TE	0.475	0.040	N/A	0.435	0.024	-	06-02-200-001
IL60106 IL60106TE	1.008	0.032	N/A	0.976	0.034	-	06-02-200-002

SEE SHEET 17B FOR PROPOSED CENTERLINE ALIGNMENT INFORMATION

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

- IRON PIPE OR ROD FOUND ⊕ MAG' NAIL SET
- + CUT CROSS FOUND OR SET ● 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

REVISION DATE: / / REVISION MADE BY:

PART OF SECTIONS 1, 2 AND 12 TWP. 45 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

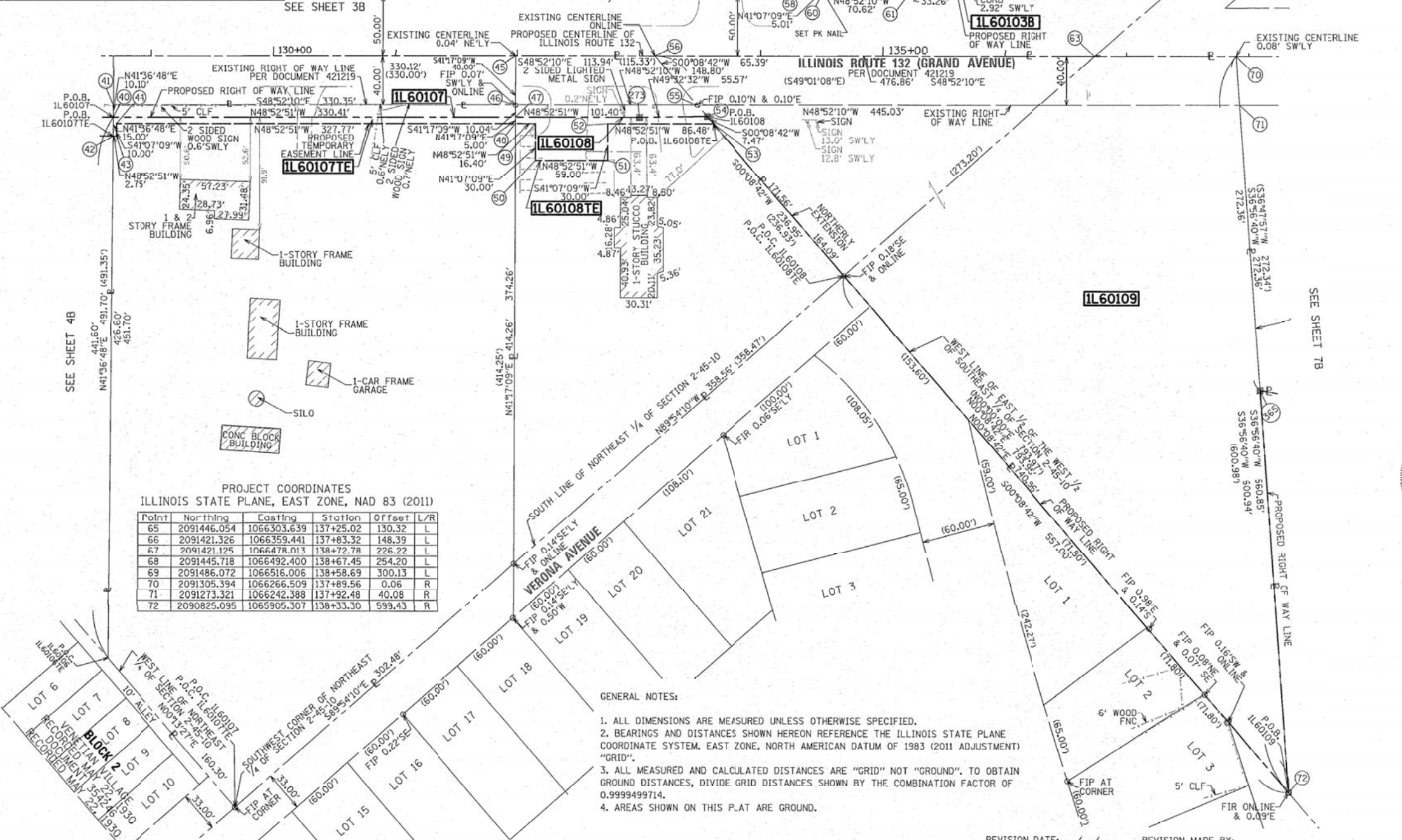
PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
IL60103A IL60103B IL60103TE-A IL60103TE-B	5.747	A=0.014 A.C. B=0.013 A.C.	N/A	5.720	A=0.245 B=0.102	-	06-02-213-004 06-02-213-005 06-02-213-006 06-02-213-007 06-02-213-008 06-02-213-009 06-02-213-035 06-02-213-036 06-02-213-046
IL60107 IL60107TE	3.700	0.076	N/A	3.624	0.038	-	06-02-200-006
IL60108 IL60108TE	1.517	0.156	0.121	1.361	0.059	-	06-02-200-007
IL60109	3.281	3.281	0.423	0.000	N/A	N/A	06-02-200-005 06-02-400-012

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)

Point	Northing	Easting	Station	Offset	L/R
40	2091873.675	1065539.572	128+68.20	50.00	R
41	2091881.229	1065546.282	128+68.29	39.90	R
42	2091862.460	1065529.611	128+68.08	65.00	R
43	2091860.651	1065531.683	128+70.83	65.00	R
44	2091868.184	1065538.260	128+70.83	55.00	R
45	2091693.991	1065821.496	131+98.75	0.04	L
46	2091663.934	1065795.103	131+98.64	39.96	R
47	2091656.393	1065788.481	131+98.61	50.00	R
48	2091652.635	1065785.182	131+98.59	55.00	R
49	2091641.848	1065797.540	132+15.00	55.00	R
50	2091619.247	1065777.811	132+15.00	85.00	R
51	2091580.447	1065822.259	132+74.00	85.00	R
52	2091603.048	1065841.988	132+74.00	55.00	R

Point	Northing	Easting	Station	Offset	L/R
53	2091546.179	1065507.133	133+60.47	55.00	R
54	2091553.651	1065507.152	133+55.57	49.36	R
55	2091566.054	1065507.184	133+47.44	39.99	R
56	2091619.043	1065507.318	133+42.70	0.01	L
57	2091611.541	1066229.939	134+10.00	75.00	L
58	2091596.474	1066016.786	134+10.00	55.00	L
59	2091570.473	1066465.572	134+49.54	55.00	L
60	2091566.696	1066432.274	134+49.54	49.99	L
61	2091520.245	1066966.463	135+20.16	49.97	L
62	2091482.355	1066471.515	135+83.54	55.00	L
63	2091381.631	1066179.174	136+73.63	0.06	R
64	2091425.749	1066300.732	137+36.19	113.12	L

DATE	BY	REVISION
06-30-15	GNF	
08-26-14	SMC	REVISED
08-26-14	DAG	APPROVED
10-08-14	SMC	REVISED
10-15-14	GNF	REVISED



PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)

Point	Northing	Easting	Station	Offset	L/R
65	2091446.054	1066303.639	137+25.02	130.32	L
66	2091421.326	1066359.441	137+83.32	148.39	L
67	2091421.125	1066478.013	138+72.78	226.22	L
68	2091445.718	1066492.400	138+67.45	254.20	L
69	2091486.072	1066516.006	138+58.69	300.13	L
70	2091305.394	1066266.509	137+89.56	0.06	R
71	2091273.321	1066242.388	137+92.48	40.08	R
72	2090825.095	1065905.307	138+33.30	599.43	R

- GENERAL NOTES:
- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
 - BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
 - ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999499714.
 - AREAS SHOWN ON THIS PLAT ARE GROUND.

LEGEND

SECTION / QUARTER SECTION LINE
PLATTED LOT LINES
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
EXISTING CENTERLINE
PROPOSED CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORDED DIMENSION
EXISTING BUILDING

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

STATE OF ILLINOIS)
COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, MACKIE CONSULTANTS, LLC, AN ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002694, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 1, 2 AND 12, TOWNSHIP 45 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSEMONT, ILLINOIS THIS 14th DAY OF March, 2017 A.D.

DALE A. GRAY
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003057
LICENSE EXPIRES: NOVEMBER 30, 2018
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

Mackie Consultants, LLC
9575 W. Higgins Road, Suite 500
Rosemont, IL 60018
(847)696-1400
www.mackieconsult.com

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 132 (GRAND AVENUE)

LIMITS: LINDEHURST DRIVE TO DEERHURST DRIVE COUNTY: LAKE
SECTION: STA. 128+68.08 TO STA. 138+67.45 JOB NO.: R-91-037-13
SCALE: 1" = 50' SHEET 58 OF 178 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

6/30/2015 2:46:07 PM N:\2103\Survey\GIS\1103-Plat of Highway-0581.dwg

PART OF SECTIONS 1, 2 AND 12 TWP. 45 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
IL60111 IL60111TE	1.515	0.518	0.424	0.997	0.019	-	06-02-400-002 06-02-400-010
IL60112 IL60112TE	1.843	0.216	0.166	1.627	0.041	-	06-02-400-011

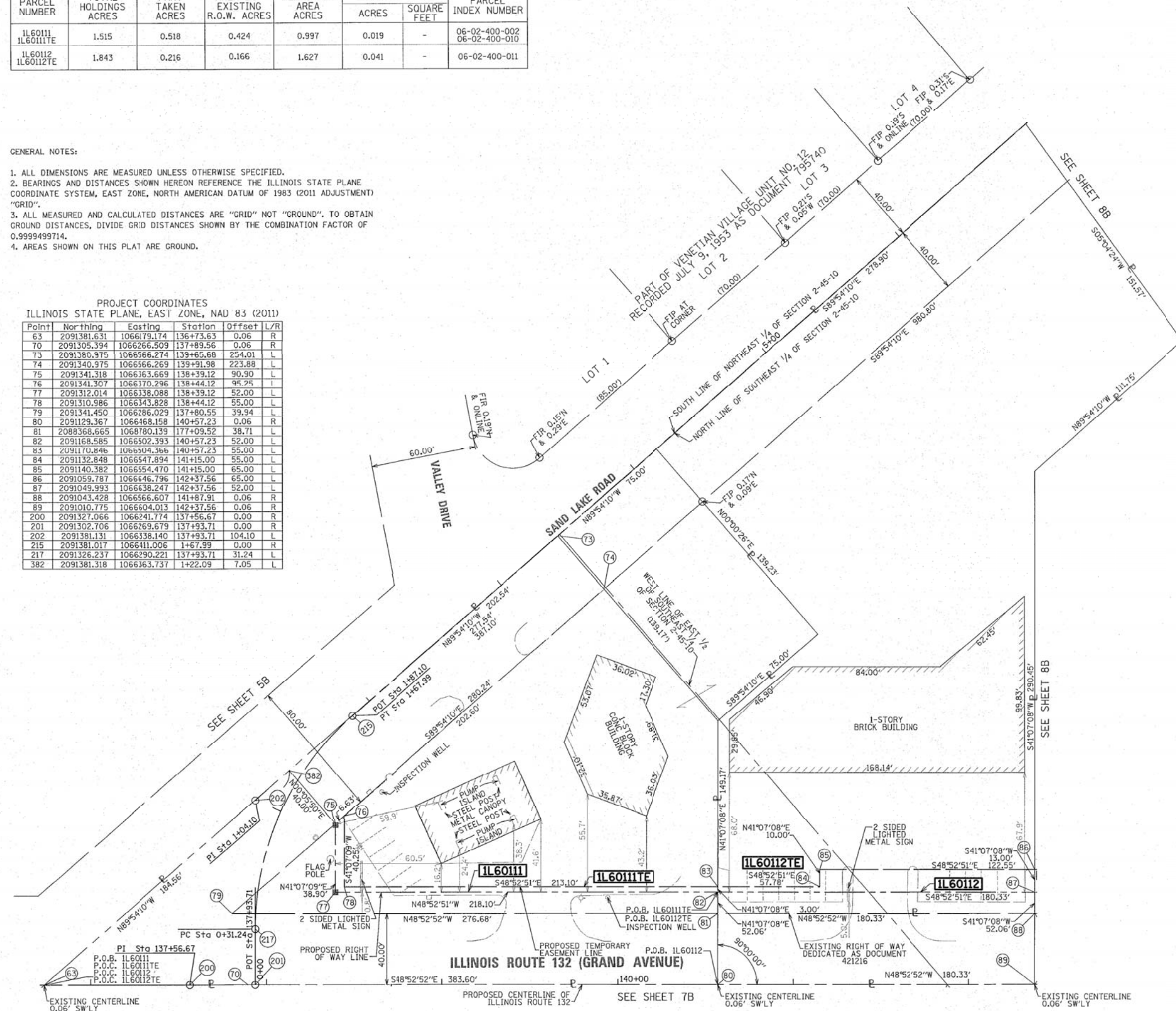
GENERAL NOTES:

- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
- BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
- ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.999499714.
- AREAS SHOWN ON THIS PLAT ARE GROUND.

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)

Point	Northing	Easting	Station	Offset	L/R
63	2091381.631	1066179.174	136+73.63	0.06	R
70	2091305.394	1066266.509	137+89.56	0.06	R
73	2091380.975	1066566.274	139+65.68	254.01	L
74	2091340.975	1066566.269	139+91.98	223.88	L
75	2091341.318	1066363.669	138+39.12	90.90	L
76	2091341.307	1066370.296	138+44.12	95.25	L
77	2091312.014	1066338.088	138+39.12	52.00	L
78	2091310.986	1066343.828	138+44.12	55.00	L
79	2091341.450	1066286.029	137+80.55	39.94	L
80	2091129.367	1066468.158	140+57.23	0.06	R
81	2088368.665	1068780.139	177+09.52	38.71	L
82	2091168.585	1066502.393	140+57.23	52.00	L
83	2091170.846	1066504.366	140+57.23	55.00	L
84	2091132.848	1066547.894	141+15.00	55.00	L
85	2091140.382	1066554.470	141+15.00	65.00	L
86	2091059.787	1066646.796	142+37.56	65.00	L
87	2091049.993	1066638.247	142+37.56	52.00	L
88	2091043.428	1066566.607	141+87.91	0.06	R
89	2091010.775	1066504.013	142+37.56	0.06	R
200	2091327.066	1066241.774	137+56.67	0.00	R
201	2091302.706	1066269.679	137+93.71	0.00	R
202	2091381.131	1066338.140	137+93.71	104.10	L
215	2091381.017	1066411.006	1+67.99	0.00	R
217	2091326.237	1066290.221	137+93.71	31.24	L
382	2091381.318	1066363.737	1+22.09	7.05	L

DATE	BY
08-26-14	SMC
08-26-14	DAG
10-06-14	SMC
DRAWN	
APPROVED	
REVISED	



LEGEND

- BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.
- IRON PIPE OR ROD FOUND
 - ⊕ MAG NAIL SET
 - + CUT CROSS FOUND OR SET
 - 5/8" REBAR SET
 - STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 - M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
 - RIGHT OF WAY STAKING PROPOSED TO BE SET
- SEE SHEET 17B FOR PROPOSED CENTERLINE ALIGNMENT INFORMATION

STATE OF ILLINOIS)
COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, MACKIE CONSULTANTS, LLC, AN ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002694, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 1, 2 AND 12, TOWNSHIP 45 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF. THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSEMONT, ILLINOIS THIS Hy DAY OF March, 2017 A.D.



DALE A. GRAY
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003057
LICENSE EXPIRES: NOVEMBER 30, 2018
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PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 132 (GRAND AVENUE)

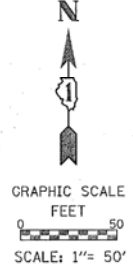
LIMITS: LINDENHURST DRIVE TO DEERPATH DRIVE COUNTY: LAKE
SECTION: STA. 136+73.63 TO STA. 142+39.21 JOB NO.: R 91 037 13
SCALE: 1" = 30' SHEET 6B OF 17B SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: / / REVISION MADE BY: _____

LEGEND

SECTION CORNER
 QUARTER SECTION CORNER
 SECTION / QUARTER SECTION LINE
 PLATTED LOT LINES
 PROPERTY (DEED) LINE
 APPARENT PROPERTY LINE
 EXISTING CENTERLINE
 PROPOSED CENTERLINE
 EXISTING RIGHT OF WAY LINE
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 MEASURED DIMENSION
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BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

- IRON PIPE OR ROD FOUND
- *MAG* NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
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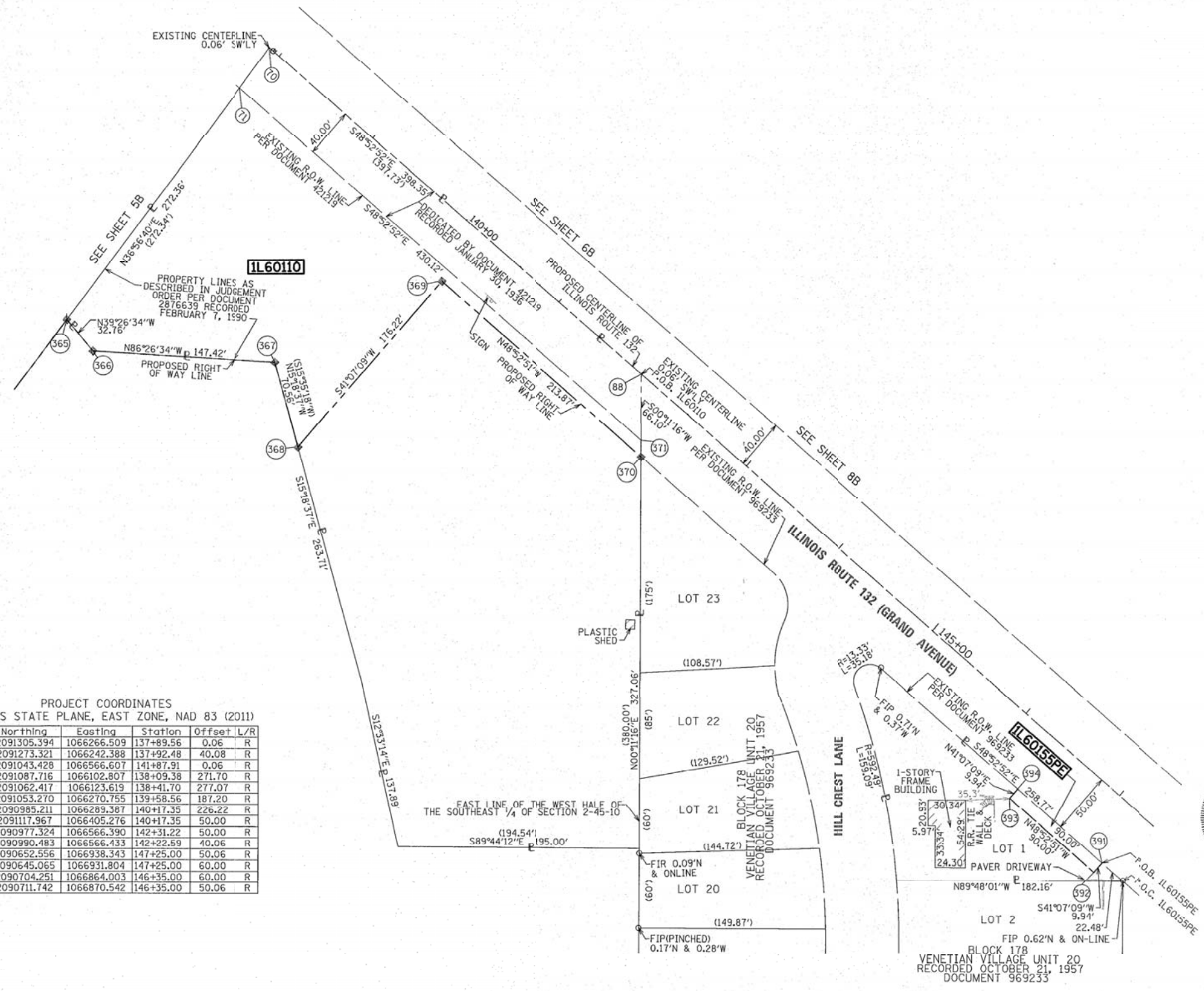
STATE OF ILLINOIS)
)
 COUNTY OF COOK)

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DATED AT ROSEMONT, ILLINOIS THIS 14th DAY OF March, 2017 A.D.



DALE A. GRAY
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003057
 LICENSE EXPIRES: NOVEMBER 30, 2018
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



PROJECT COORDINATES
 ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)

Point	Northing	Easting	Station	Offset	L/R
70	2091305.394	1066266.509	137+89.56	0.06	R
71	2091273.321	1066242.388	137+92.48	40.08	R
88	2091043.428	1066566.607	141+87.91	0.06	R
365	2091087.716	1066102.807	138+09.38	271.70	R
366	2091062.417	1066123.619	138+41.70	277.07	R
367	2091053.270	1066270.755	139+58.56	187.20	R
368	2090985.211	1066289.387	140+17.35	226.22	R
369	2091117.967	1066405.276	140+17.35	50.00	R
370	2090977.324	1066566.390	142+31.22	50.00	R
371	2090990.483	1066566.433	142+22.59	40.06	R
391	2090652.556	1066938.343	147+25.00	50.06	R
392	2090645.065	1066931.804	147+25.00	60.00	R
393	2090704.251	1066864.003	146+35.00	60.00	R
394	2090711.742	1066870.542	146+35.00	50.06	R

BY	DATE	DESCRIPTION
SNC	08-26-14	DRAWN
DAG	08-26-14	APPROVED
SNC	10-06-14	REVISED
GNF	04-08-15	REVISED

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
1L60110	3.521	1.387	0.380	2.134	NA	NA	06-02-400-016
1L60155	0.389	NA	NA	0.389	0.021	-	06-02-407-014

- GENERAL NOTES:
- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
 - BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
 - ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999499714.
 - AREAS SHOWN ON THIS PLAT ARE GROUND.

REVISION DATE: / / REVISION MADE BY:

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 132 (GRAND AVENUE)

LIMITS: LINCENHURST DRIVE TO DEERPATH DRIVE COUNTY: LAKE
 SECTION: TO STA. 144+00.00 JOB NO.: R-91-037-13
 STA. 137+89.56 TO STA. 144+00.00
 SCALE: 1" = 50' SHEET 7B OF 17B SHEETS

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196

PART OF SECTIONS 1, 2 AND 12 TWP. 45 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

LINE TABLE

LINE NUMBER	BEARING	DISTANCE
L112	N41°07'09"E	30.00'
L113	S48°52'51"E	2.45'
L114	S48°52'51"E	130.96'
L115	S66°24'41"E	28.95'
L116	S47°55'34"E	57.34'
L117	S27°55'34"E	27.31'
L118	N41°07'09"E	25.00'
L119	S48°52'51"E	31.89'
L120	S03°52'51"E	91.92'
L121	S48°52'51"E	66.67'
L122	S48°52'51"E	65.98'
L123	S04°55'21"W	12.46'
L124	N48°52'52"W	5.21'
L125	S05°04'24"W	18.62'
L126	S05°04'24"W	49.47'
L127	N41°07'09"E	5.00'
L128	N41°07'09"E	25.06'
L129	S48°52'51"E	30.00'
L130	S41°07'09"W	25.06'
L131	N48°52'52"W	30.00'

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
IL60113 IL60113TE	1.432	0.098 A.C.	N/A	1.334	0.239	-	06-02-400-009
IL60114TE IL60114PE	7.916	N/A	0.656	7.916	0.460 0.017	-	06-02-400-005 06-02-400-013

GENERAL NOTES:

1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
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4. AREAS SHOWN ON THIS PLAT ARE GROUND.

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)

Point	Northing	Eastings	Station	Offset	L/R
86	2091059.787	1066646.796	142+37.56	65.00	L
87	2091049.993	1066638.247	142+37.56	52.00	L
88	2091043.428	1066566.607	142+37.56	39.94'	L
89	2091010.775	1066604.013	142+37.56	0.06	R
90	2091058.179	1066648.638	142+40.00	65.00	L
91	2091080.779	1066668.367	142+40.00	95.00	L
92	2090986.738	1066776.096	143+83.01	95.00	L
93	2091005.572	1066792.536	143+83.01	120.00	L
94	2090984.602	1066816.558	144+14.89	120.00	L
95	2090892.889	1066822.780	144+79.89	55.00	L
96	2090849.048	1066873.002	145+46.56	55.00	L
97	2090830.499	1066871.355	145+57.52	39.94	L
98	2090781.221	1066866.980	145+86.63	0.06	R
99	2090833.924	1066867.432	145+52.31	39.94	L
100	2090846.340	1066868.501	145+44.95	50.00	L
101	2090889.730	1066818.795	144+78.97	50.00	L
102	2090913.857	1066806.007	144+53.47	59.77	L
103	2090952.282	1066763.442	143+96.13	60.72	L
104	2090963.869	1066736.907	143+68.52	52.00	L
105	2090764.578	1066969.767	146+75.00	55.00	L
106	2090768.345	1066973.055	146+75.00	60.00	L
107	2090735.463	1067010.723	147+25.00	60.00	L
108	2090754.297	1067027.163	147+25.00	85.00	L
109	2090714.153	1067004.636	147+34.43	39.94	L
110	2090733.030	1067021.114	147+34.43	65.00	L
111	2090713.301	1067043.714	147+64.43	65.00	L
112	2090694.425	1067027.236	147+64.43	39.94	L
113	2090560.298	1067249.399	150+20.00	85.00	L
114	2090537.698	1067229.670	150+20.00	55.00	L
115	2090452.206	1067327.606	151+50.01	55.00	L
116	2090459.739	1067334.182	151+50.01	65.00	L
117	2090395.981	1067407.221	152+46.96	65.00	L
119	2090309.767	1067407.060	153+03.53	0.05	R
203	2091380.060	1067023.322	143+10.59	553.85	L
361	2090362.776	1067407.159	152+68.75	39.94	L

LEGEND

SECTION / QUARTER SECTION LINE
 PLAT LOT LINES
 PROPERTY (DEED) LINE
 APPARENT PROPERTY LINE
 EXISTING CENTERLINE
 PROPOSED CENTERLINE
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BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

○ IRON PIPE OR ROD FOUND ⊕ MAG NAIL SET
 + CUT CROSS FOUND OR SET ● 5/8" REBAR SET

■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

⊕ PERMANENT SURVEY MARKER, I.D.O. STANDARD 2135 (TO BE SET BY OTHERS)
 □ RIGHT OF WAY STAKING PROPOSED TO BE SET

SEE SHEET 17B FOR PROPOSED CENTERLINE ALIGNMENT INFORMATION

STATE OF ILLINOIS)
)
 COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, MACKIE CONSULTANTS, LLC, AN ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002694, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 1, 2 AND 12, TOWNSHIP 45 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSEMONT, ILLINOIS THIS 14 DAY OF March, 2017 A.D.

DALE A. GRAY
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003057
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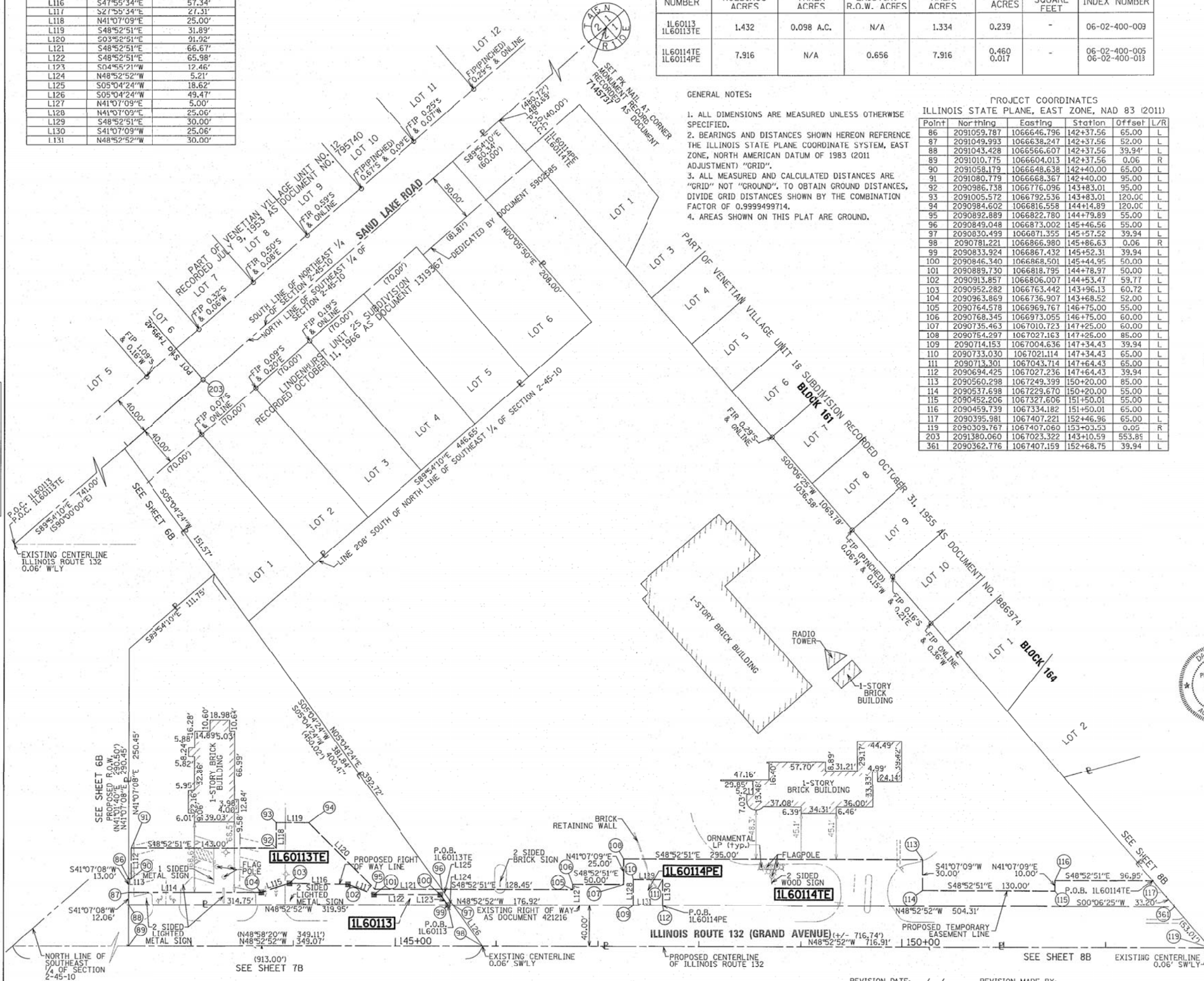


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 (847)696-1400
 www.mackieconsult.com

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 132 (GRAND AVENUE)

LIMITS: LINDEHURST DRIVE TO DEERPATH DRIVE COUNTY: LAKE
 SECTION: STA. 142+37.56 TO STA. 152+46.96 JOB NO.: R-91-037-13
 SCALE: 1" = 50' SHEET 8B OF 17B SHEETS

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196



DATE	BY
08-26-14	SNC
08-26-14	DAG
10-06-14	SNC

10/7/2014 10:29:59 Survey Exhibit 12439-Plat of Highways-08.dwg

PART OF SECTIONS 1, 2 AND 12 TWP. 45 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

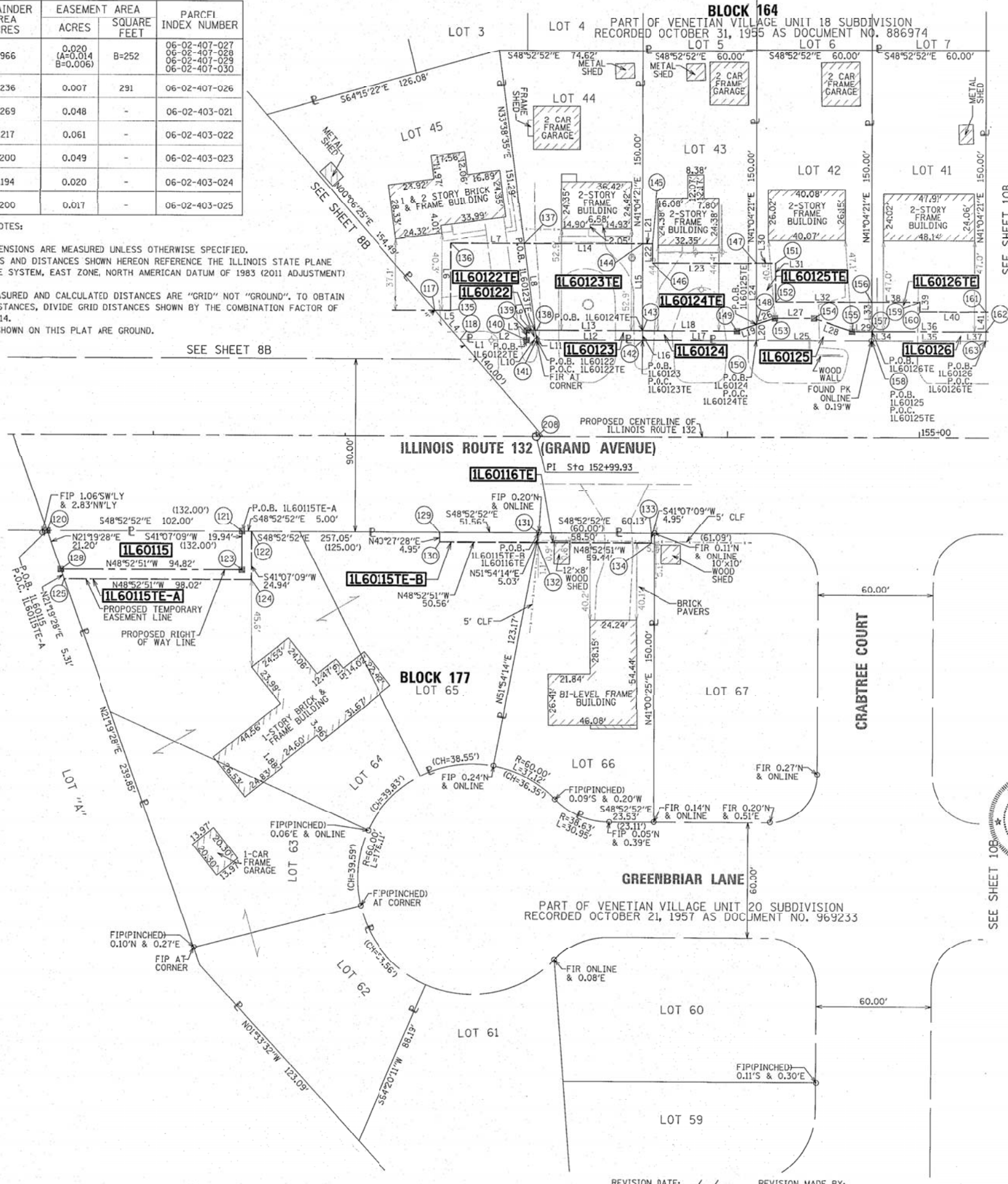
PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCFI INDEX NUMBER
					ACRES	SQUARE FEET	
IL60115 IL60115TE	1.011	0.045 AC.	N/A	0.966	0.020 (A=0.014 B=0.006)	B=252	06-02-407-027 06-02-407-028 06-02-407-029 06-02-407-030
IL60116 IL60116TE	0.236	N/A	N/A	0.236	0.007	291	06-02-407-026
IL60122 IL60122TE	0.270	25 S.F. 0.001 AC.	N/A	0.269	0.048	-	06-02-403-021
IL60123 IL60123TE	0.223	280 S.F. 0.006 AC.	N/A	0.217	0.061	-	06-02-403-022
IL60124 IL60124TE	0.207	320 S.F. 0.007 AC.	N/A	0.200	0.049	-	06-02-403-023
IL60125 IL60125TE	0.207	0.013	N/A	0.194	0.020	-	06-02-403-024
IL60126 IL60126TE	0.207	303 S.F. 0.007 AC.	N/A	0.200	0.017	-	06-02-403-025

LINE NUMBER	BEARING	DISTANCE
L1	N48°52'52"W	39.87'
L2	N48°52'52"W	34.62'
L3	N41°07'09"E	5.05'
L4	N00°06'25"E	19.95'
L5	S48°52'51"E	8.20'
L6	N41°07'09"E	35.00'
L7	S48°52'51"E	38.20'
L8	N33°38'35"E	45.39'
L9	S48°52'51"E	4.59'
L10	N48°52'52"W	5.26'
L11	N33°38'35"E	5.10'
L12	N48°52'52"W	55.05'
L13	S48°52'51"E	55.71'
L14	S48°52'51"E	61.58'
L15	N41°04'21"E	45.00'
L16	N41°04'21"E	5.05'
L17	N48°52'52"W	60.00'
L18	S48°52'51"E	49.86'
L19	S67°18'57"E	10.69'
L20	S41°04'21"W	8.43'
L21	S48°52'51"E	5.07'
L22	S41°07'09"W	10.00'
L23	S48°52'51"E	54.94'
L24	S41°04'21"W	31.62'
L25	N48°52'52"W	60.00'
L26	S67°18'57"E	10.12'
L27	S48°52'51"E	20.38'
L28	S30°26'46"E	20.81'
L29	S48°52'51"E	10.28'
L30	S48°52'51"E	9.91'
L31	S40°42'07"W	20.00'
L32	S48°52'51"E	49.96'
L33	S41°04'21"W	15.00'
L34	N41°04'21"E	5.05'
L35	N48°52'52"W	60.00'
L36	S48°52'51"E	60.00'
L37	N41°04'21"E	5.05'
L38	S48°52'51"E	25.09'
L39	S41°36'11"W	5.00'
L40	S48°52'51"E	34.96'
L41	S41°04'21"W	10.00'

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)

Point	Northing	Easting	Station	Offset	L/R
117	2090395.981	1067407.221	152+46.96	65.00	L
118	2090376.029	1067407.184	152+60.05	49.95	R
119	2090309.767	1067407.060	153+03.53	0.05	R
120	2090442.474	1067179.304	150+44.46	50.06	R
121	2090375.396	1067255.845	151+46.46	50.06	R
122	2090372.108	1067259.612	151+51.46	50.06	R
123	2090360.371	1067242.729	151+46.46	70.00	R
124	2090353.316	1067243.208	151+51.46	75.00	R
125	2090417.778	1067169.364	150+53.43	75.00	R
128	2090422.728	1067171.296	150+51.63	70.00	R
129	2090307.338	1067333.811	152+49.95	50.05	R
130	2090303.575	1067330.602	152+50.00	55.00	R
131	2090273.431	1067372.554	153+01.51	50.05	R
132	2090270.325	1067368.892	153+00.57	55.00	R
133	2090234.962	1067416.722	153+60.00	50.05	R
134	2090231.236	1067413.170	153+60.00	55.00	R
135	2090390.591	1067413.395	152+55.15	65.00	L
136	2090416.958	1067436.412	152+55.15	100.00	L
137	2090391.835	1067465.192	152+93.36	100.00	L
138	2090354.051	1067440.347	152+99.26	55.00	L
139	2090367.072	1067436.586	152+194.67	55.00	L
140	2090353.264	1067433.262	152+94.67	49.94	L
141	2090349.807	1067437.223	152+99.92	49.95	L
142	2090313.602	1067478.597	153+454.98	49.95	L
143	2090317.413	1067482.018	153+54.97	55.00	L
144	2090351.357	1067511.584	153+54.94	100.00	L
145	2090348.005	1067515.402	153+60.00	100.00	L
146	2090340.471	1067508.325	153+60.00	90.00	L
147	2090304.341	1067550.214	154+14.95	90.00	L
148	2090280.503	1067529.139	154+14.97	58.38	L
149	2090284.625	1067519.579	154+04.83	55.00	L
150	2090274.145	1067523.398	154+14.98	49.95	L
151	2090297.821	1067557.583	154+24.86	90.00	L
152	2090282.659	1067544.640	154+25.00	70.00	L
153	2090276.600	1067538.777	154+24.57	61.58	L
154	2090263.197	1067554.131	154+44.95	61.58	L
155	2090245.259	1067564.674	154+64.69	55.00	L
156	2090249.806	1067582.275	154+74.96	70.00	L
157	2090238.498	1067572.420	154+74.97	55.00	L
158	2090234.687	1067569.099	154+74.98	49.95	L
159	2090233.309	1067601.173	155+00.05	70.00	L
160	2090229.570	1067597.853	155+00.01	65.00	L
161	2090206.579	1067624.90	155+34.97	65.00	L
162	2090199.040	1067617.620	155+34.97	55.00	L
163	2090195.230	1067614.300	155+34.98	49.95	L
208	2090312.177	1067404.382	152+99.93	0.00	R

GENERAL NOTES:
 1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
 2. BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
 3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999499714.
 4. AREAS SHOWN ON THIS PLAT ARE GROUND.



LEGEND

SECTION / QUARTER SECTION LINE
 PLATTED LOT LINES
 PROPERTY (DEED) LINE
 APPARENT PROPERTY LINE
 EXISTING CENTERLINE
 PROPOSED CENTERLINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 EXISTING EASEMENT
 PROPOSED EASEMENT
 EXISTING ACCESS CONTROL LINE
 PROPOSED ACCESS CONTROL LINE
 MEASURED DIMENSION
 COMPUTED DIMENSION
 RECORDED DIMENSION
 EXISTING BUILDING

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

○ IRON PIPE OR ROD FOUND
 + CUT CROSS FOUND OR SET
 ■ STAKING OF PROPOSED RIGHT OF WAY
 ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS
 ● PERMANENT SURVEY MARKER, I.D.C.T. STANDARD 2135 (TO BE SET BY OTHERS)
 □ RIGHT OF WAY STAKING PROPOSED TO BE SET

SEE SHEET 17B FOR PROPOSED CENTERLINE ALIGNMENT INFORMATION

STATE OF ILLINOIS)
 COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, MACKIE CONSULTANTS, LLC, AN ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002694, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 1, 2 AND 12, TOWNSHIP 45 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSEMONT, ILLINOIS THIS 14th DAY OF March, 2017 A.D.

DALE A. GRAY
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003057
 LICENSE EXPIRES: NOVEMBER 30, 2018
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DALE A. GRAY
 3057 PROFESSIONAL LAND SURVEYOR
 STATE OF ILLINOIS
 ALCONQUIN, ILL.

PLAT OF HIGHWAYS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 132 (GRAND AVENUE)

LIMITS: LINDENHURST DRIVE TO DEERPATH DRIVE COUNTY: LAKE
 SECTION: STA. 150+44.46 TO STA. 155+34.98 JOB NO.: R-91-037-13
 SCALE: 1" = 30' SHEET 9B OF 17B SHEETS

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196

REVISION DATE: / / REVISION MADE BY:

PART OF SECTIONS 1, 2 AND 12 TWP. 45 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
IL60117 IL60117TE	0.303	174 S.F. 0.004 AC.	N/A	0.299	0.016	-	06-02-407-071
IL60118TE	0.217	N/A	N/A	0.217	0.007	312	06-02-407-072
IL60119TE	0.217	N/A	N/A	0.217	0.007	312	06-02-407-073
IL60120TE	0.217	N/A	N/A	0.217	0.007	312	06-02-407-074
IL60121TE	0.276	N/A	N/A	0.276	0.010	433	06-02-407-075
IL60127 IL60127TE	0.207	303 S.F. 0.007 AC.	N/A	0.200	0.014	-	06-02-403-026
IL60128 IL60128TE	0.207	303 S.F. 0.007 AC.	N/A	0.200	0.014	-	06-02-403-027
IL60129 IL60129TE	0.207	303 S.F. 0.007 AC.	N/A	0.200	0.014	-	06-02-403-028
IL60130 IL60130TE	0.413	0.014 AC.	N/A	0.399	0.032	-	06-02-403-029
IL60131 IL60131TE	0.207	304 S.F. 0.007 AC.	N/A	0.200	0.018	-	06-01-304-003

LINE TABLE			LINE TABLE		
LINE NUMBER	BEARING	DISTANCE	LINE NUMBER	BEARING	DISTANCE
L37	N41°04'21"E	5.05'	L98	N48°52'51"W	63.00'
L41	N41°04'21"E	10.00'	L99	S48°52'52"E	63.00'
L42	N48°52'52"W	60.00'	L100	S48°52'52"E	63.00'
L43	S48°52'51"E	60.00'	L101	N48°52'51"W	63.00'
L44	S48°52'51"E	60.00'	L102	N41°07'08"E	4.95'
L45	N41°04'21"E	5.05'	L103	S48°52'52"E	63.00'
L46	N41°04'21"E	10.00'	L104	N48°52'51"W	63.00'
L47	N48°52'52"W	60.00'	L105	N41°07'08"E	4.95'
L48	S48°52'51"E	60.00'	L106	S48°52'52"E	64.73'
L49	S48°52'51"E	60.00'	L107	N48°52'51"W	35.34'
L50	N41°04'21"E	5.05'	L108	S41°07'09"W	10.00'
L51	N41°04'21"E	10.00'	L109	N60°12'22"W	43.43'
L52	N48°52'52"W	60.00'	L110	N48°52'51"W	52.28'
L53	S48°52'51"E	60.00'	L111	N48°52'51"W	4.85'
L54	S48°52'51"E	60.00'			
L55	N41°04'21"E	5.05'			
L56	N41°04'21"E	10.00'			
L57	S48°52'51"E	19.62'			
L58	N41°07'09"E	5.00'			
L59	S48°52'51"E	40.00'			
L60	S41°07'09"W	5.00'			
L61	S48°52'51"E	60.38'			
L62	N41°04'21"E	10.00'			
L63	N41°04'21"E	5.05'			
L64	N48°52'52"W	23.03'			
L65	S48°52'51"E	25.65'			
L66	N41°05'17"E	5.11'			
L67	S48°52'51"E	25.04'			
L68	N41°07'09"E	5.00'			
L69	N41°05'17"E	15.00'			

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)

Point	Northing	Easting	Station	Offset	L/R
161	2090206.579	1067624.190	155+34.97	65.00	L
162	2090199.040	1067617.620	155+34.97	55.00	L
163	2090195.230	1067614.300	155+34.98	49.95	L
164	2090167.121	1067669.391	155+94.97	65.00	L
165	2090159.583	1067662.821	155+94.97	55.00	L
166	2090155.773	1067659.501	155+94.98	49.95	L
167	2090127.664	1067714.592	156+54.97	65.00	L
168	2090120.125	1067708.022	156+54.97	55.00	L
169	2090116.315	1067704.701	156+54.98	49.95	L
170	2090088.206	1067759.793	157+14.97	65.00	L
171	2090080.667	1067753.222	157+14.97	55.00	L
172	2090076.858	1067749.902	157+14.98	49.95	L
173	2090075.300	1067774.577	157+34.59	65.00	L
174	2090079.067	1067777.865	157+34.59	70.00	L
175	2090052.762	1067807.999	157+74.59	70.00	L
176	2090048.995	1067804.711	157+74.59	65.00	L
177	2090009.291	1067850.194	158+34.97	65.00	L
178	2090001.752	1067843.624	158+34.97	55.00	L
179	2089997.943	1067840.304	158+34.98	49.95	L
180	2089982.798	1067857.654	158+58.01	49.95	L
181	2089984.881	1067862.951	158+60.63	55.00	L
182	2089992.825	1067869.057	158+60.01	65.00	L
183	2089996.591	1067872.345	158+60.01	70.00	L
184	2089973.327	1067898.392	158+93.32	70.00	L
185	2089962.021	1067888.533	158+93.66	55.00	L
186	2089958.166	1067885.171	158+93.78	49.89	L
187	2090125.256	1067519.670	155+09.71	65.00	R
188	2090127.405	1067526.965	155+13.79	58.58	R
189	2090124.218	1067530.616	155+18.63	58.58	R
190	2090121.462	1067546.742	155+32.60	50.05	R
191	2090102.637	1067568.308	155+61.22	50.05	R
192	2090098.408	1067565.631	155+61.99	55.00	R
193	2090090.875	1067559.055	155+61.99	65.00	R
194	2090078.895	1067595.506	155+97.33	50.05	R
195	2090075.168	1067592.254	155+97.33	55.00	R
196	2090037.464	1067642.967	156+60.33	50.05	R
197	2090033.738	1067639.714	156+60.33	55.00	R
198	2089996.034	1067690.428	157+23.33	50.05	R
218	2089943.447	1067826.781	158+60.63	0.00	R
220	2089992.308	1067687.175	157+23.33	50.00	R
221	2089954.604	1067737.889	157+86.33	50.05	R
222	2089950.877	1067734.636	157+86.33	55.00	R
223	2089907.463	1067791.891	158+58.01	50.05	R
224	2089896.877	1067803.878	158+74.49	50.08	R
225	2089893.219	1067800.686	158+74.54	54.93	R

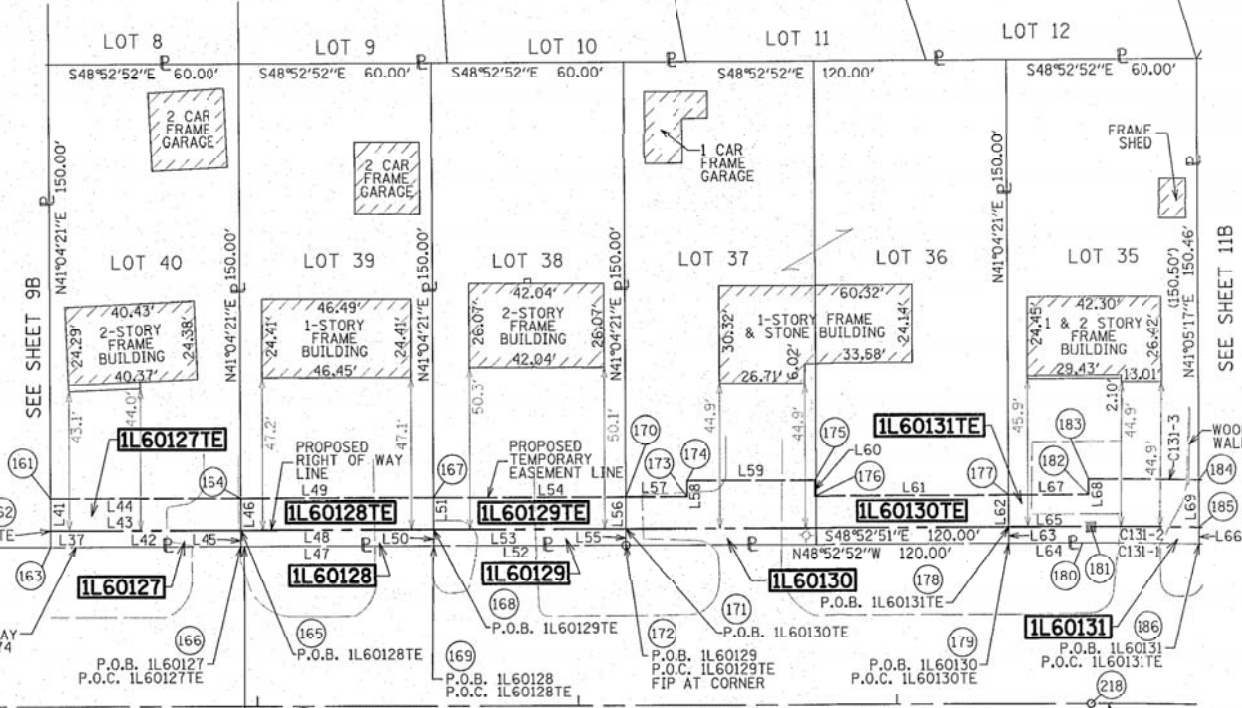
CURVE TABLE

CURVE	RADIUS	ARC DISTANCE	CHORD BEARING	CHORD DISTANCE
C131-1	1482.69'	36.93'	N48°10'03"W	36.93'
C131-2	1477.88'	34.31'	S48°12'57"E	34.31'
C131-3	1508.44'	34.92'	S48°13'46"E	34.92'
C117-1	25.00'	7.64'	N73°34'54"E	7.61'
C117-2	25.00'	21.29'	S73°36'31"E	20.65'

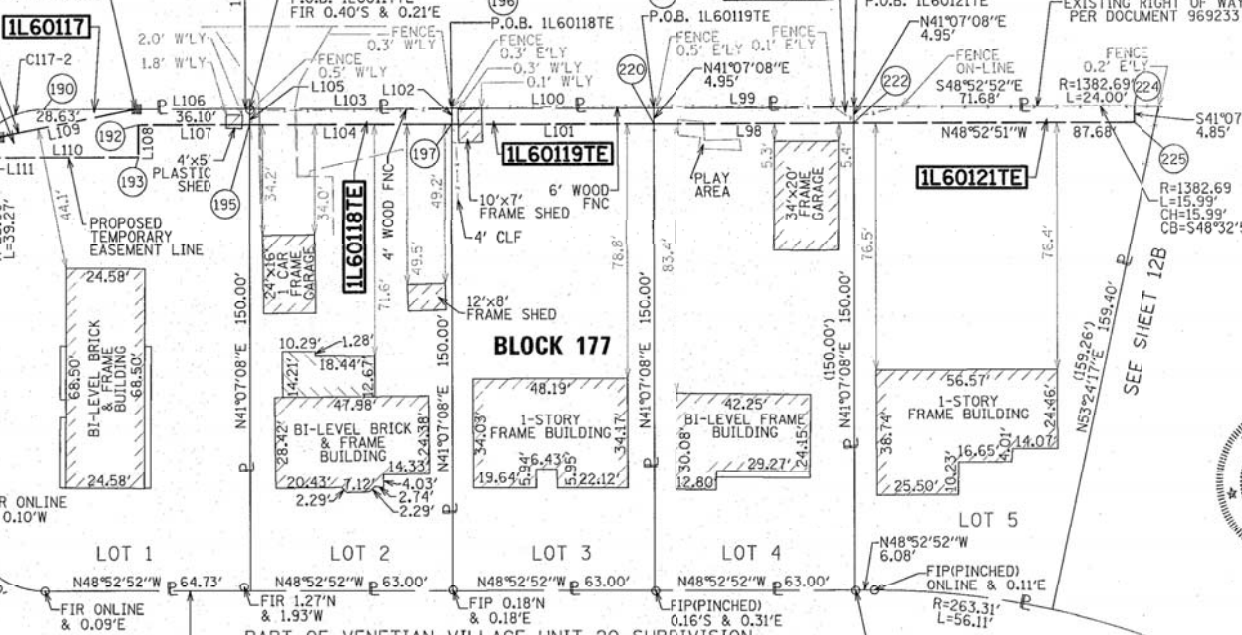
GENERAL NOTES:

- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
- BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
- ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999495714.
- AREAS SHOWN ON THIS PLAT ARE GROUND.

BLOCK 164
PART OF VENETIAN VILLAGE UNIT 18 SUBDIVISION
RECORDED OCTOBER 31, 1955 AS DOCUMENT NO. 886974



BLOCK 177
PART OF VENETIAN VILLAGE UNIT 20 SUBDIVISION
RECORDED OCTOBER 21, 1957 AS DOCUMENT NO. 969233



LEGEND

SECTION CORNER: 9 10 15 16
QUARTER SECTION CORNER: 16 15

GRAPHIC SCALE: 1" = 30'

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM NAD83 (2011 ADJUSTMENT), EAST ZONE.

IRON PIPE OR ROD FOUND: ○
CUT CROSS FOUND OR SET: +
STAKING OF PROPOSED RIGHT OF WAY: ■
STAKING OF PROPOSED RIGHT OF WAY INCULCATED AREAS: ■ M
PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS): □

SECTION / QUARTER SECTION LINE: - - - - -
PLATTED LOT LINES: ————
PROPERTY (DEED) LINE: ————
APPARENT PROPERTY LINE: - - - - -
EXISTING CENTERLINE: ————
PROPOSED CENTERLINE: - - - - -
EXISTING RIGHT OF WAY LINE: ————
PROPOSED RIGHT OF WAY LINE: - - - - -
EXISTING EASEMENT: ————
PROPOSED EASEMENT: - - - - -
EXISTING ACCESS CONTROL LINE: ————
PROPOSED ACCESS CONTROL LINE: - - - - -
MEASURED DIMENSION: AC
COMPUTED DIMENSION: AC
RECORDED DIMENSION: AC
EXISTING BUILDING: [Hatched Box]

STATE OF ILLINOIS)
COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, MACKIE CONSULTANTS, LLC, AN ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002694, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 1, 2 AND 12, TOWNSHIP 45 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSEMONT, ILLINOIS THIS 14th DAY OF March, 2017 A.D.

DALE A. GRAY
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003057
LICENSE EXPIRES: NOVEMBER 30, 2018
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

Mackie Consultants, LLC
9575 W. Higgins Road, Suite 500
Rosemont, IL 60018
(847)696-1400
www.mackieconsult.com

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 132 (GRAND AVENUE)

LIMITS: LINDENHURST DRIVE TO DEERPATH DRIVE COUNTY: LAKE
SECTION: STA. 155+13.79 TO STA. 158+93.66 JOB NO. R-91-037-13
SCALE: 1" = 30' SHEET 10B OF 17B SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

5/10/2014 10:32 AM
No. 2439 Survey\Exhibit\2439-Plat of Highways-10B.dwg

PART OF SECTIONS 1, 2 AND 12 TWP. 45 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)

Point	Northing	Easting	Station	Offset	L/R
184	2089973.327	1067898.392	158+93.32	70.00	L
185	2089962.021	1067888.533	158+93.66	55.00	L
186	2089958.166	1067885.171	158+93.78	49.89	L
219	2089510.971	1068162.161	164+11.34	0.00	L
226	2089955.945	1067913.085	159+17.65	70.00	L
227	2089952.244	1067913.722	159+17.75	65.00	L
228	2089927.913	1067938.837	159+51.19	65.00	L
229	2089920.599	1067932.010	159+51.48	55.00	L
230	2089916.795	1067928.460	159+51.63	49.80	L
251	2089873.626	1067970.119	160+09.60	49.73	L
252	2089535.688	1068211.294	164+11.34	55.00	L
253	2089527.321	1068215.503	164+20.71	55.00	L
254	2089877.367	1067973.841	160+09.40	55.00	L
255	2089836.027	1068010.823	160+42.81	55.00	L
256	2089505.227	1068226.617	164+45.44	55.00	L
257	2089511.968	1068240.018	164+45.44	70.00	L
258	2089445.107	1068273.653	165+20.28	70.00	L
259	2089444.209	1068264.679	165+17.05	61.58	L
260	2089456.018	1068258.738	165+03.83	61.58	L
261	2089482.452	1068238.075	164+70.93	55.00	L

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)

Point	Northing	Easting	Station	Offset	L/R
262	2089884.462	1067980.899	160+09.02	65.00	L
263	2089842.457	1068018.482	160+62.93	65.00	L
264	2089832.603	1068006.745	160+62.74	49.68	L
267	2089795.834	1068057.011	161+20.77	65.00	L
270	2089789.632	1068049.167	161+20.76	55.00	L
271	2089747.673	1068093.621	161+78.63	65.00	L
274	2089786.305	1068044.958	161+20.75	49.64	L
276	2089741.714	1068085.590	161+78.72	55.00	L
277	2089738.503	1068081.264	161+78.76	49.61	L
278	2089689.247	1068115.621	162+36.80	49.61	L
279	2089692.328	1068120.049	162+36.70	55.00	L
280	2089698.039	1068128.260	162+36.52	65.00	L
281	2089671.760	1068145.417	162+66.53	65.00	L
283	2089666.382	1068136.987	162+66.53	55.00	L
304	2089645.742	1068149.916	162+89.98	55.00	L
305	2089543.000	1068145.281	162+89.89	49.62	L
306	2089521.261	1068175.700	163+47.89	49.64	L
307	2089593.802	1068180.419	163+47.98	55.00	L
309	2089524.936	1068210.749	164+20.70	49.68	L
310	2089457.916	1068244.370	164+95.68	49.60	L
311	2089446.780	1068277.926	165+20.71	74.57	L

CURVE TABLE

CURVE	RADIUS	ARC DISTANCE	CHORD BEARING	CHORD DISTANCE
C132-1	1,482.69'	59.88'	N46°17'49"W	59.88' (60.00')
C132-2	1,477.88'	60.05'	S46°23'12"E	60.05'
C132-3	1,508.44'	25.53'	S47°04'53"E	25.53'
C132-4	1,487.88'	34.97'	S45°54'28"E	34.97'
C133-1	1,482.69'	60.00'	N43°58'50"W	59.99' (60.00')
C133-2	1,477.88'	60.16'	S44°03'23"E	60.16'
C133-3	1,487.88'	60.48'	S44°04'12"E	60.47'
C134-1	1,482.69'	55.00'	N41°45'32"W	54.99' (55.00')
C134-2	1,477.88'	55.47'	S41°48'54"E	55.47'
C134-3	1,487.88'	56.37'	S41°49'12"E	56.36'
C135-1	1,482.69'	60.03'	N39°32'10"W	60.03' (60.02')
C135-2	1,477.88'	60.19'	S39°34'22"E	60.19'
C135-3	1,487.88'	60.49'	S39°34'13"E	60.48'
C136-1	1,482.69'	60.03'	N37°12'59"W	60.03' (60.00')
C136-2	1,477.88'	60.19'	S37°14'21"E	60.19'
C136-3	1,487.88'	60.50'	S37°14'26"E	60.50'
C137-1	1,482.69'	60.06'	N34°53'46"W	60.05' (60.00')
C137-2	1,477.88'	60.22'	S34°54'18"E	60.22'
C137-3	1,487.88'	60.53'	S34°54'37"E	60.53'
C138-1	1,482.69'	54.94'	N32°40'27"W	54.94'
C138-2	1,477.88'	55.34'	S32°39'53"E	55.34'
C138-3	1,487.88'	31.39'	S33°08'26"E	31.38'
C138-4	1,477.88'	30.99'	N33°08'13"W	30.99'
C139-1	1,482.69'	60.02'	N30°27'10"W	60.02'
C139-2	1,477.88'	60.24'	S30°25'28"E	60.24'
C140-1	1,482.69'	68.63'	N27°58'01"W	68.63' (68.25')
C140-2	1,477.88'	65.81'	S27°58'51"E	65.81'
C141-1	25.00'	25.61'	N55°59'03"W	24.50'
C141-2	25.00'	9.07'	S84°16'53"W	9.02'

LINE TABLE

LINE NUMBER	BEARING	DISTANCE
L66	N41°05'17"E	5.11'
L69	N41°05'17"E	15.00'
L70	S42°15'49"W	5.00'
L71	S43°01'33"W	10.00'
L72	S43°01'33"W	5.20'
L73	S44°51'02"W	10.01'
L74	S44°51'02"W	5.28'
L75	S49°59'06"W	10.00'
L76	S49°59'06"W	5.33'
L77	S51°40'11"W	10.00'
L78	S51°40'11"W	5.36'
L79	S53°25'09"W	10.00'
L80	S53°25'09"W	5.39'
L81	S55°10'33"W	10.00'
L82	S55°10'33"W	5.39'
L83	S57°27'50"W	10.00'
L84	S59°23'32"W	5.39'
L85	S61°42'13"W	5.36'
L86	S26°42'19"E	9.37'
L87	S63°21'33"W	5.32'
L88	N26°38'27"W	6.39'
L89	N26°38'27"W	74.38' (75.00')
L90	S26°42'19"E	50.23'
L91	S26°42'19"E	24.73'
L92	S26°42'19"E	25.50'
L93	N63°17'44"E	15.00'
L94	S26°42'19"E	74.84'
L95	S26°42'19"E	13.22'
L96	S38°00'55"E	33.55'
L97	S63°21'33"W	34.38' (34.80')

LEGEND

SECTION / QUARTER SECTION LINE
 PLATTED LOT LINES
 PROPERTY (DEED) LINE
 APPARENT PROPERTY LINE
 EXISTING CENTERLINE
 PROPOSED CENTERLINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 EXISTING EASEMENT
 PROPOSED EASEMENT
 EXISTING ACCESS CONTROL LINE
 PROPOSED ACCESS CONTROL LINE
 MEASURED DIMENSION
 COMPUTED DIMENSION
 RECORDED DIMENSION
 EXISTING BUILDING

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

IRON PIPE OR ROD FOUND
 CUT CROSS FOUND OR SET
 STAKING OF PROPOSED RIGHT OF WAY
 BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 PERMANENT SURVEY MARKER, I.D.C.T. STANDARD 2135 (TO BE SET BY OTHERS)
 RIGHT OF WAY STAKING PROPOSED TO BE SET

SEE SHEET 17B FOR PROPOSED CENTERLINE ALIGNMENT INFORMATION

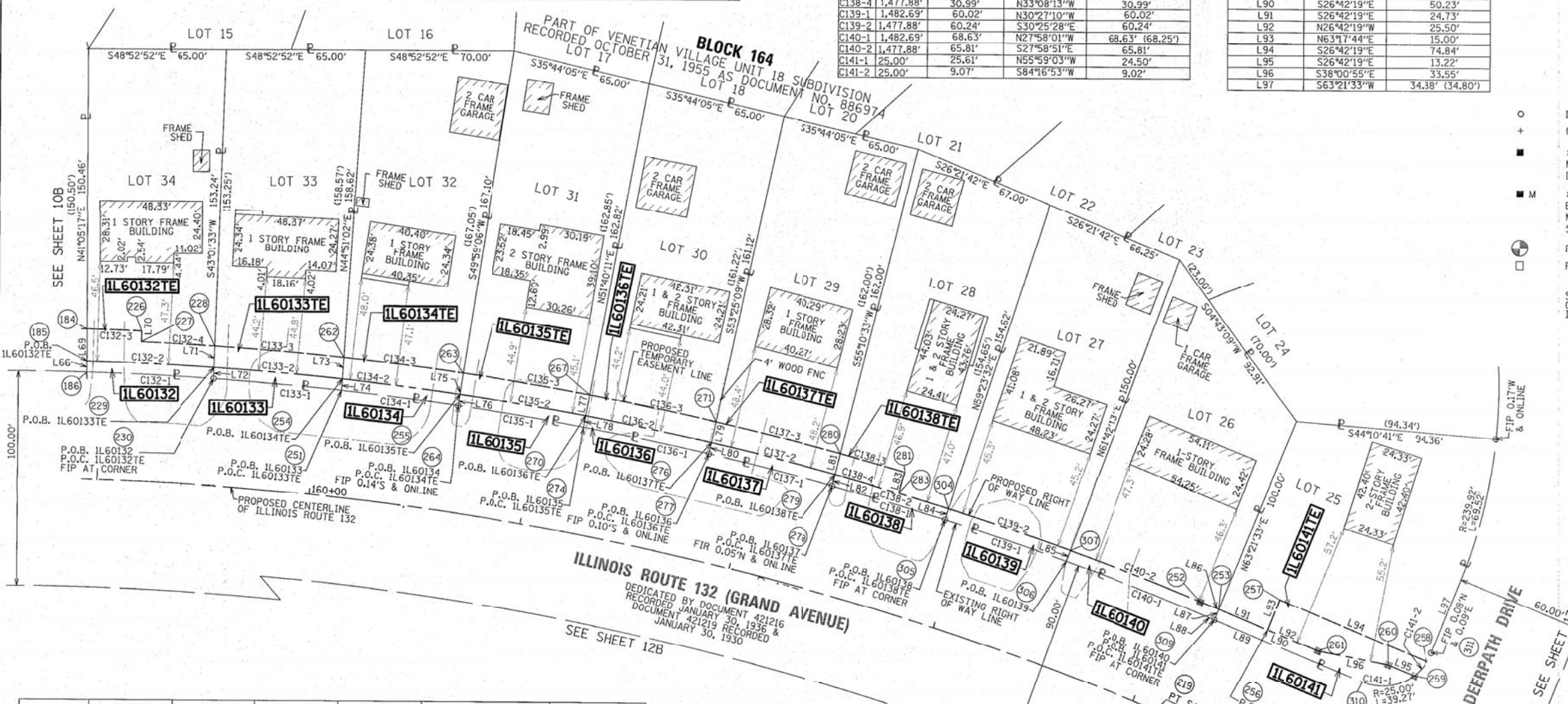
STATE OF ILLINOIS)
 COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, MACKIE CONSULTANTS, LLC, AN ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002694, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 1, 2 AND 12, TOWNSHIP 45 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSEMONT, ILLINOIS THIS 14th DAY OF March, 2017 A.D.

DALE A. GRAY
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003057
 LICENSE EXPIRES: NOVEMBER 30, 2018
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DATE	BY
08-26-14	SWC
08-26-14	DAG
09-10-14	DAG
	DRAWN
	APPROVED
	REVISED



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
IL60132 IL60132TE	0.217	309 S.F. 0.007 AC.	N/A	0.210	0.017	-	06-01-304-004
IL60133 IL60133TE	0.223	314 S.F. 0.007 AC.	N/A	0.216	0.014	-	06-01-304-005
IL60134 IL60134TE	0.232	293 S.F. 0.007 AC.	N/A	0.225	0.013	-	06-01-304-006
IL60135 IL60135TE	0.236	321 S.F. 0.007 AC.	N/A	0.229	0.014	-	06-01-304-007
IL60136 IL60136TE	0.232	323 S.F. 0.007 AC.	N/A	0.225	0.014	-	06-01-304-008
IL60137 IL60137TE	0.232	324 S.F. 0.007 AC.	N/A	0.225	0.014	-	06-01-304-009
IL60138 IL60138TE	0.221	297 S.F. 0.007 AC.	N/A	0.214	0.007	312	06-01-304-010
IL60139	0.220	323 S.F. 0.007 AC.	N/A	0.213	N/A	N/A	06-01-304-011
IL60140	0.220	401 S.F. 0.009 AC.	N/A	0.211	N/A	N/A	06-01-304-012
IL60141 IL60141TE	0.257	0.015 AC.	N/A	0.242	0.021	-	06-01-304-025

GENERAL NOTES:
 1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
 2. BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
 3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999499714.
 4. AREAS SHOWN ON THIS PLAT ARE GROUND.

REVISION DATE: / / REVISION MADE BY:



Mackie Consultants, LLC
 9575 W. Higgins Road, Suite 500
 Rosemont, IL 60018
 (847)696-1400
 www.mackieconsult.com

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 132 (GRAND AVENUE)

LIMITS: LINDENHURST DRIVE TO DEERPATH DRIVE COUNTY: LAKE
 SECTION: JOB NO.: R-91-037-13
 STA. 158+93.78 TO STA. 165+17.05
 SCALE: 1" = 30' SHEET 11B OF 17B SHEETS

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196

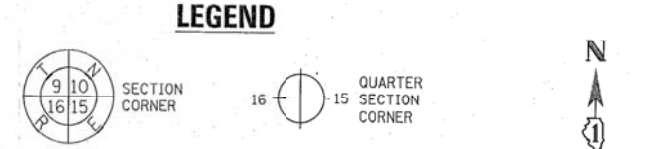
PART OF THE SOUTHWEST QUARTER OF SECTION 1 TWP. 45 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	PARCEL INDEX NUMBER
1L60150 1L60150TE	4.954	0.193	N/A	4.761	(A=0.002 B=0.164)	(A=104 B=1,140) 06-01-300-014

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)

Point	Northing	Easting	Station	Offset	L/R
212	2089070.350	1068383.821	169+04.57	0.00	R
219	2089510.971	1068162.161	164+11.34	0.00	L
232	2089832.873	1067884.843	159+80.65	40.24	R
233	2089818.777	1067884.799	159+91.03	50.00	R
234	2089616.831	1068044.021	162+58.01	50.00	R
235	2089614.117	1068039.822	162+58.01	55.00	R
236	2089596.674	1068050.911	162+79.51	55.00	R
237	2089599.325	1068055.151	162+79.51	50.00	R
238	2089519.614	1068101.341	163+75.01	50.00	R
239	2089514.894	1068092.526	163+75.01	60.00	R
240	2089488.501	1068117.494	164+11.34	50.00	R
241	2089489.230	1068127.972	164+15.40	40.31	R
242	2089343.979	1068178.780	165+67.99	60.20	R
243	2089330.497	1068151.980	165+67.99	90.20	R
244	2089285.859	1068174.507	166+17.99	90.14	R
245	2089299.341	1068201.307	166+17.99	60.14	R
246	2089203.800	1068249.523	167+25.01	60.00	R
247	2089202.075	1068341.947	169+30.67	60.00	R
248	2089202.040	1068353.159	169+35.74	50.00	R
249	2089202.007	1068363.358	169+40.35	40.90	R
250	2089019.865	1068408.180	169+60.62	0.93	R
364	2089889.416	1067885.023	159+40.09	0.18	R
376	2089289.425	1068228.203	166+38.93	40.56	R
377	2089287.183	1068223.733	166+38.93	45.56	R
378	2089376.567	1068178.894	165+38.93	45.45	R
379	2089378.809	1068183.363	165+38.93	40.45	R

- GENERAL NOTES:
- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
 - BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
 - ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999499714.
 - AREAS SHOWN ON THIS PLAT ARE GROUND.



- BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.
- IRON PIPE OR ROD FOUND
 - ⊕ CUT CROSS FOUND OR SET
 - ⊙ 5/8" REBAR SET
 - ⊙ STAKING OF PROPOSED RIGHT OF WAY
 - ⊙ SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 - ⊙ STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
 - RIGHT OF WAY STAKING PROPOSED TO BE SET

SEE SHEET 17B FOR PROPOSED CENTERLINE ALIGNMENT INFORMATION

STATE OF ILLINOIS)
COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, MACKIE CONSULTANTS, LLC, AN ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002694, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 1, 2 AND 12, TOWNSHIP 45 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSEMONT, ILLINOIS THIS 14th DAY OF March, 2017 A.D.

DALE A. GRAY
3057 PROFESSIONAL LAND SURVEYOR
STATE OF ILLINOIS
ALCONQUIN, IL

DALE A. GRAY
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003057
LICENSE EXPIRES: NOVEMBER 30, 2018
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

Mackie Consultants, LLC
9575 W. Higgins Road, Suite 500
Rosemont, IL 60018
(847)696-1400
www.mackieconsult.com

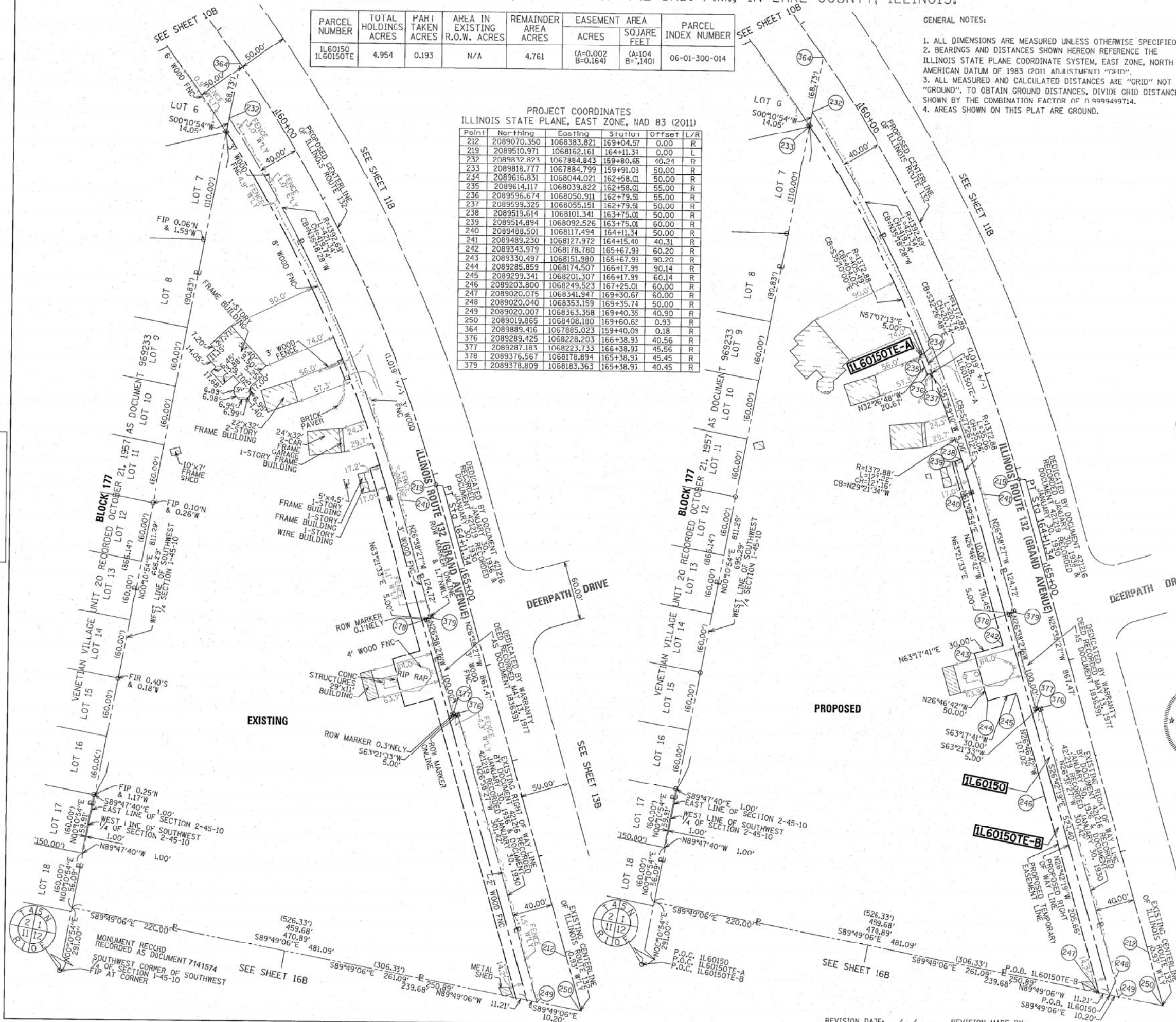
PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 132 (GRAND AVENUE)

LIMITS: LINDENHURST DRIVE TO DEERPETH DRIVE COUNTY: LAKE
SECTION: JOB NO. R-91-037-13
STA. 159+91.08 TO STA. 169+35.74
SCALE: 1" = 50' SHEET 128 OF 178 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

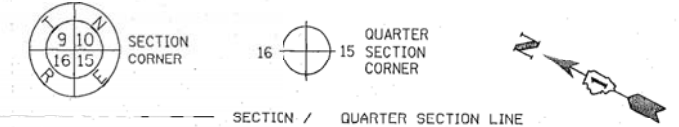
DATE	BY
08-26-14	SMC
08-26-14	DAG
10-06-14	SMC
	DRAWN
	APPROVED
	REVISED

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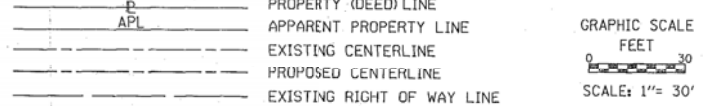
REVISION DATE: / / REVISION MADE BY:

LEGEND



PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)

Point	Northing	Eastings	Station	Offset	L/R
255	2089382.510	1068293.949	165+85.32	60.00	L
256	2089376.058	1068291.598	165+90.03	55.00	L
258	2089311.033	1068329.906	166+65.33	60.00	L
259	2089308.696	1068325.485	166+65.44	55.00	L
272	2089250.710	1068354.656	167+30.35	55.00	L
275	2089253.004	1068359.098	167+30.29	60.00	L
312	2089306.080	1068320.539	166+65.55	49.41	L
313	2089393.150	1068304.829	165+80.71	74.50	L
314	2089248.109	1068349.620	167+30.41	49.33	L
315	2089142.769	1068402.464	168+48.26	49.20	L
316	2089130.325	1068415.217	168+65.11	55.00	L
317	2089128.174	1068421.896	168+70.03	60.00	L
318	2089129.614	1068436.832	168+75.45	73.99	L
319	2089073.450	1068460.620	169+36.32	70.00	L
320	2089058.177	1068451.511	169+45.87	55.00	L
321	2088975.432	1068493.138	170+38.49	55.00	L
322	2088975.308	1068486.471	170+35.61	48.99	L
323	2088917.228	1068515.607	171+00.59	48.92	L
324	2088917.284	1068522.390	171+03.58	55.00	L
325	2088917.422	1068539.111	171+10.98	70.00	L
326	2088782.537	1068606.967	172+61.97	70.00	L
327	2088782.479	1068590.205	172+54.49	55.00	L
328	2088782.455	1068583.216	172+51.37	48.75	L
329	2088975.741	1068509.773	170+45.69	70.00	L
352	2089040.371	1068453.832	169+62.82	49.07	L
353	2089359.594	1068293.693	166+05.68	49.47	L



BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

- IRON PIPE OR ROD FOUND
- *MAG* NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

SEE SHEET 17B FOR PROPOSED CENTERLINE ALIGNMENT INFORMATION

STATE OF ILLINOIS)
COUNTY OF COOK)

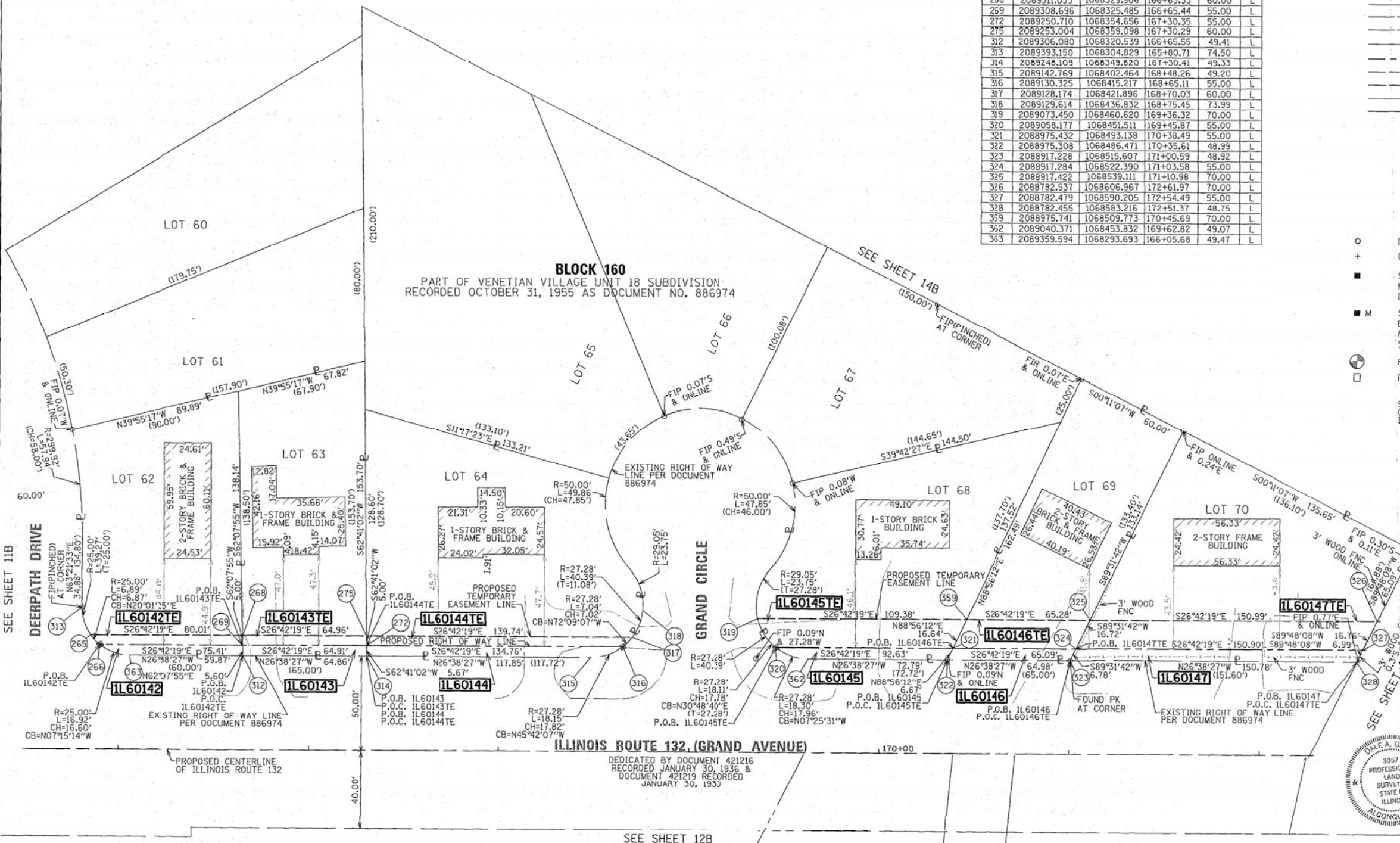
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DATED AT ROSEMONT, ILLINOIS THIS 14th DAY OF March, 2017 A.D.

DALE A. GRAY
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003057
LICENSE EXPIRES: NOVEMBER 30, 2018
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



DATE	BY
08-26-14	SMC
08-26-14	DAG
10-06-14	SMC
	DRAWN
	APPROVED
	REVISED



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
IL60142 IL60142TE	0.246	392 S.F. 0.009 AC.	N/A	0.237	0.009	390	06-01-301-054
IL60143 IL60143TE	0.220	365 S.F. 0.008 AC.	N/A	0.212	0.008	325	06-01-301-055
IL60144 IL60144TE	0.341	0.017	N/A	0.324	0.016		06-01-301-056
IL60145 IL60145TE	0.281	0.012	N/A	0.269	0.035		06-01-301-060
IL60146 IL60146TE	0.201	393 S.F. 0.009 AC.	N/A	0.192	0.022		06-01-301-061
IL60147 IL60147TE	0.308	0.021	N/A	0.287	0.052		06-01-301-062

- GENERAL NOTES:
- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
 - BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
 - ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999499714.
 - AREAS SHOWN ON THIS PLAT ARE GROUND.

REVISION DATE: / / REVISION MADE BY:



PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 132 (GRAND AVENUE)

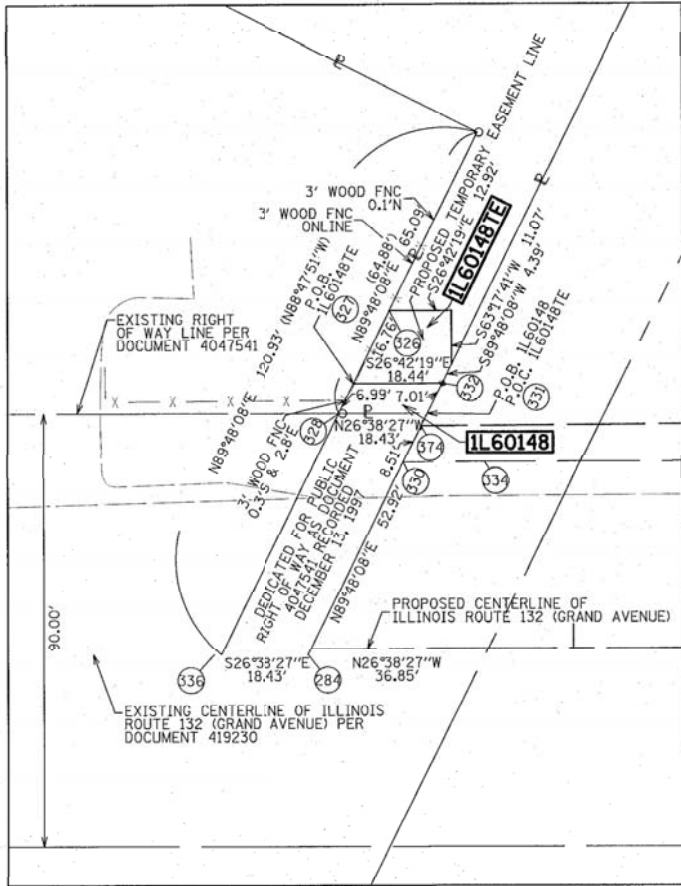
LIMITS: LINDENHURST DRIVE TO DEERPATH DRIVE COUNTY: LAKE
SECTION: TO STA. 165+85.32 TO STA. 172+61.97 JOB NO.: R-91-037-13
SCALE: 1" = 30' SHEET 13B OF 17B SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

PART OF SECTIONS 1, 2 AND 12 TWP. 45 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

GENERAL NOTES:

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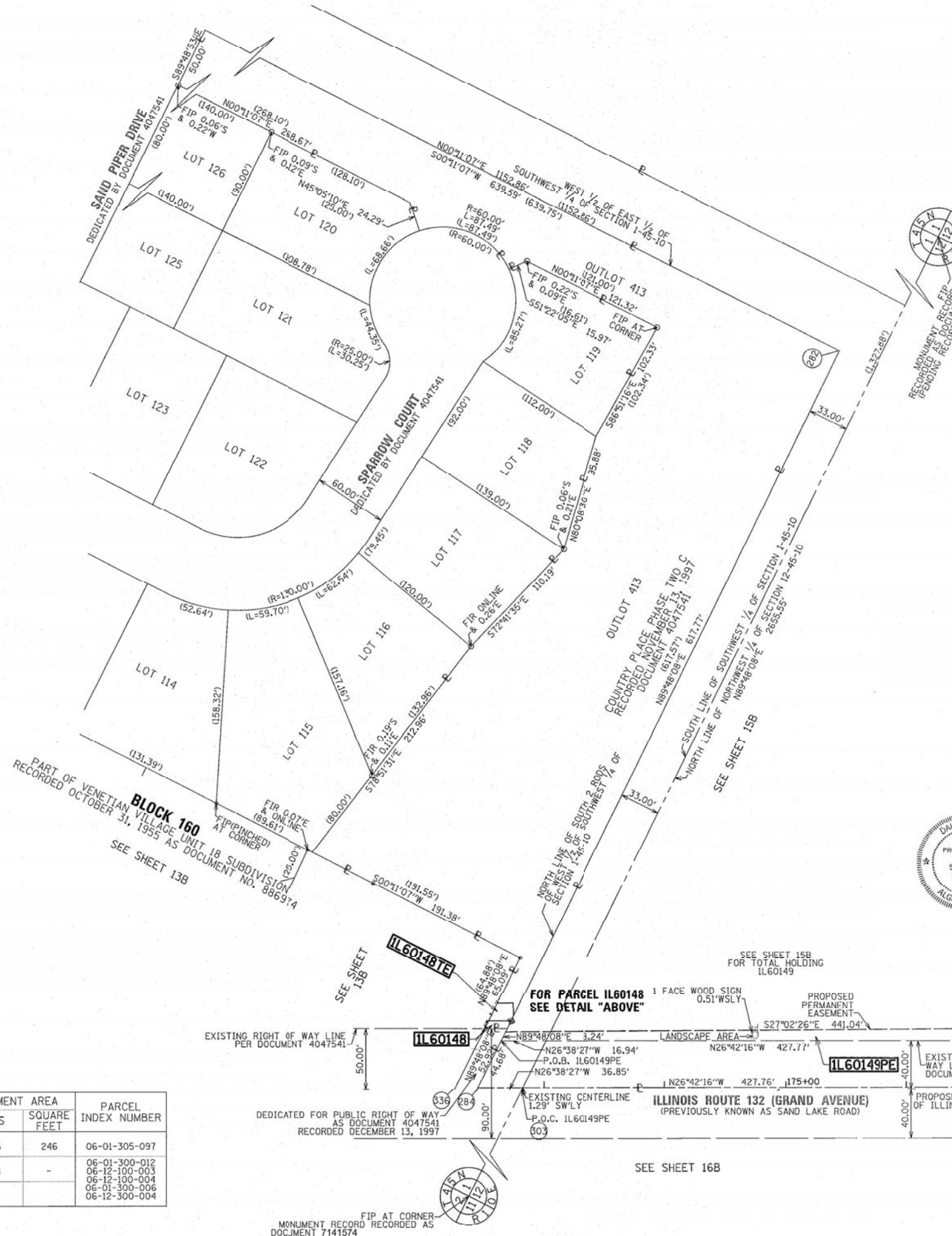


FOR PARCEL IL60148
DETAIL
1" = 20' SCALE

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)

Point	Northing	Easting	Station	Offset	L/R
81	2088368.665	1068780.139	177+09.52	38.71	L
282	2088768.116	1069209.250	175+45.52	601.56	L
284	2088765.791	1068535.637	172+44.87	1.25	R
303	2088732.849	1068552.163	172+81.73	1.29	R
326	2088782.537	1068606.967	172+61.97	70.00	L
327	2088782.479	1068590.205	172+54.49	55.00	L
328	2088782.455	1068583.216	172+51.37	48.75	L
330	2088765.945	1068580.311	172+64.81	38.73	L
331	2088765.983	1068591.479	172+69.80	48.72	L
332	2088766.023	1068602.881	172+74.88	58.93	L
334	2088750.804	1068587.906	172+81.75	38.71	L
336	2088783.574	1068526.716	172+24.98	1.22	R
358	2088373.144	1068789.059	177+09.52	48.69	L
374	2088766.008	1068228.203	172+72.92	55.00	L

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
IL60148 IL60148TE	2.677	116 S.F. 0.003 A.C.	N/A	2.674	0.006	246	06-01-305-097
IL60149PE	92.300	N/A	N/A	92.300	0.088	-	06-01-300-012 06-12-100-003 06-12-100-004 06-01-300-006 06-12-300-004



FOR PARCEL IL60148
SEE DETAIL "ABOVE"

LEGEND

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- STAKING OF PROPOSED RIGHT OF WAY
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

SEE SHEET 17B FOR PROPOSED CENTERLINE ALIGNMENT INFORMATION

STATE OF ILLINOIS)
COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, MACKIE CONSULTANTS, LLC, AN ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002694, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 1, 2 AND 12, TOWNSHIP 45 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSEMONT, ILLINOIS THIS 14th DAY OF March, 2017 A.D.

DALE A. GRAY
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003057
LICENSE EXPIRES: NOVEMBER 30, 2018
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

Mackie Consultants, LLC
9575 W. Higgins Road, Suite 500
Rosemont, IL 60018
(847)696-1400
www.mackieconsult.com

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 132 (GRAND AVENUE)

LIMITS: LINDENHURST DRIVE TO DEERPATH DRIVE
SECTION: COUNTY: LAKE
JOB NO.: R-91-037-13
STA. 172+44.89 TO STA. 177+40.15
SCALE: 1" = 50' SHEET 148 OF 178 SHEETS

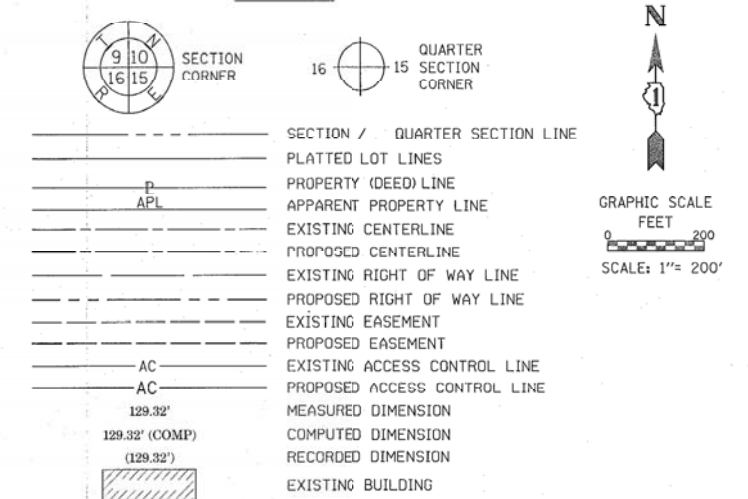
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: / / REVISION MADE BY: _____

PART OF SECTIONS 1, 2 AND 12 TWP. 45 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
1L60149PE	92.300	N/A	N/A	92.300	0.088	-	06-01-300-012 06-12-100-003 06-12-100-004 06-01-300-006 06-12-300-004

LEGEND



BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

- IRON PIPE OR ROD FOUND
- ⊕ *MAG' NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
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STATE OF ILLINOIS)
)
COUNTY OF COOK)

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DATED AT ROSEMONT, ILLINOIS THIS 11 DAY OF March, 2017 A.D.

DALE A. GRAY
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003057
LICENSE EXPIRES: NOVEMBER 30, 2018
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)

Point	Northing	Eastng	Station	Offset	L/R
214	2087885.867	1068979.689	182+30.49	0.00	R
271	2089747.673	1068093.621	161+78.63	65.00	L
282	2088768.116	1069209.250	175+45.52	601.56	L
284	2088765.791	1068535.637	172+44.87	1.25	R
301	2087877.906	1068982.828	NA	NA	NA
302	2088161.234	1068839.710	179+21.59	1.30	R
303	2088732.849	1068552.163	172+81.73	1.29	R

GENERAL NOTES:

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REVISION DATE: _____ REVISION MADE BY: _____

DOT USE ONLY



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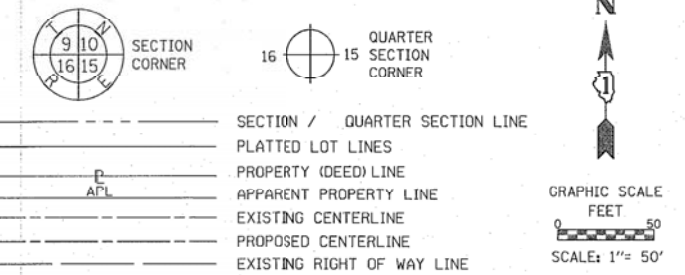
PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 132 (GRAND AVENUE)

LIMITS: LINDENHURST DRIVE TO DEERPATH DRIVE COUNTY: LAKE
SECTION: TO STA. N/A JOB NO.: R-91-037-13
STA. N/A TO STA. N/A
SCALE: 1" = 200' SHEET 15B OF 17B SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

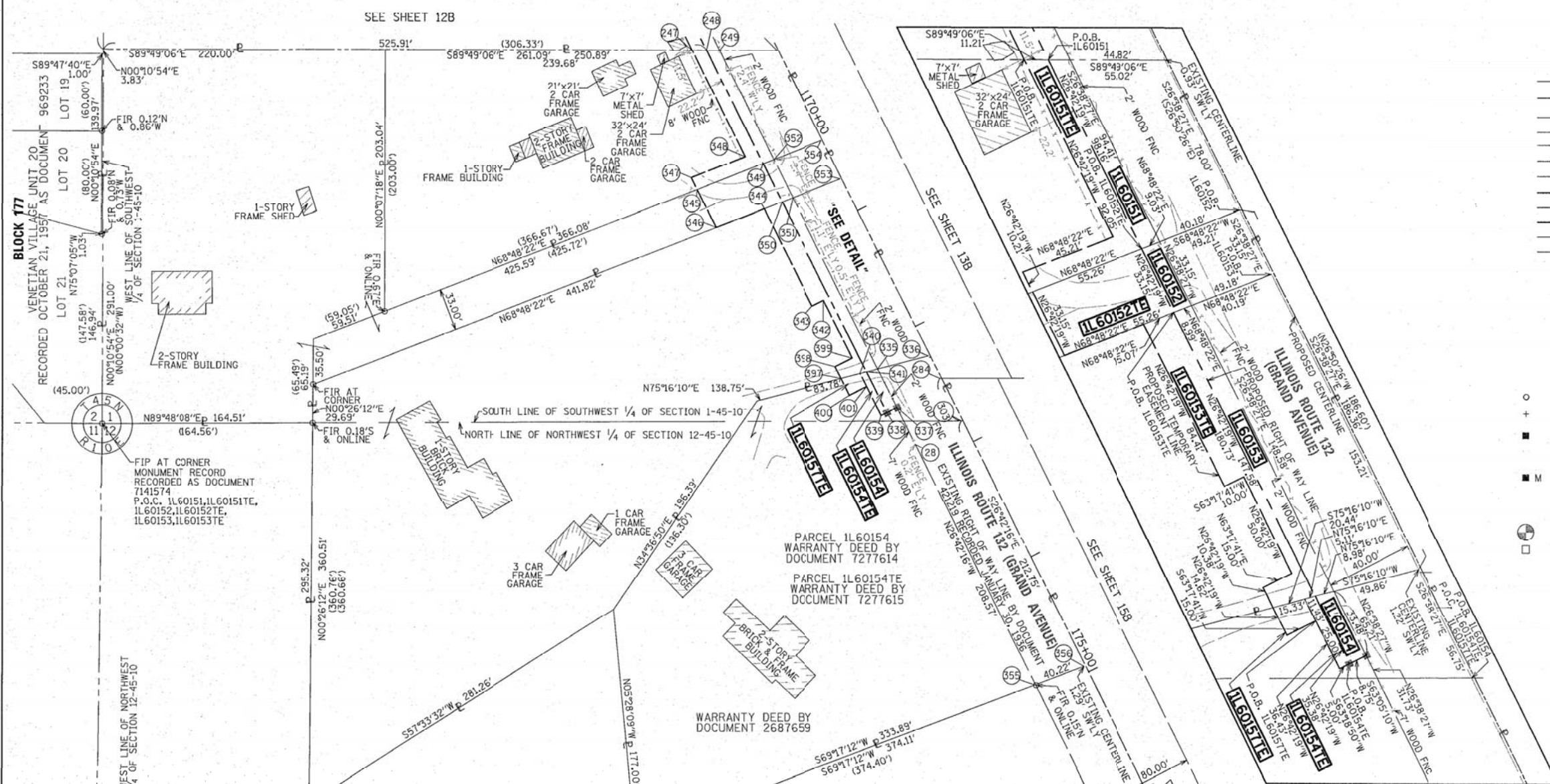
PART OF SECTIONS 1, 2 AND 12 TWP. 45 N., R. 10 E. OF THE 3RD. P.M., IN LAKE COUNTY, ILLINOIS.

LEGEND



DATE	BY	REVISION
03-16-15	RWO	REVISED
07-21-16	GKF	REVISED
11-21-16	RWO	REVISED
11-29-16	RWO	REVISED

DATE	BY	REVISION
08-26-14	SJC	APPROVED
08-26-14	DAG	APPROVED
10-07-14	SJC	REVISED
10-15-14	GKF	REVISED



BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

○ IRON PIPE OR ROD FOUND ○ *MAG* NAIL SET
 + CUT CROSS FOUND OR SET ● 5/8" REBAR SET
 ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
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STATE OF ILLINOIS)
 COUNTY OF COOK)

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DATED AT ROSEMONT, ILLINOIS THIS 14th DAY OF March, 2017 A.D.

DALE A. GRAY
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003057
 LICENSE EXPIRES: NOVEMBER 30, 2018
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



PROJECT COORDINATES
 ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)

Point	Northing	Easting	Station	Offset	L/R
397	2088765.697	1068458.721	172+10.39	50.00	R
398	2088774.974	1068454.054	172+00.00	70.00	R
399	2088781.715	1068467.454	172+00.00	55.00	R
400	2088752.641	1068465.290	172+25.00	70.00	R
401	2088759.382	1068478.689	172+25.00	55.00	R

PROJECT COORDINATES
 ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)

Point	Northing	Easting	Station	Offset	L/R
28	2092049.114	1065338.837	126+01.61	49.84	R
247	2089020.075	1068341.947	169+30.67	60.00	R
248	2089020.040	1068353.159	169+35.74	50.00	R
249	2089020.007	1068363.358	169+40.35	40.90	R
284	2088765.791	1068535.637	172+44.87	1.25	R
303	2088732.849	1068552.163	172+81.73	1.29	R
335	2088773.179	1068487.180	172+16.49	41.22	R
336	2088783.574	1068526.716	172+24.98	1.22	R
337	2088743.254	1068502.192	172+49.97	41.25	R
338	2088739.294	1068494.392	172+50.01	50.00	R
339	2088737.048	1068489.924	172+50.00	55.00	R
340	2088769.596	1068473.551	172+13.57	55.00	R
341	2088770.896	1068478.494	172+14.63	50.00	R
342	2088826.381	1068444.984	171+50.00	55.00	R
343	2088821.887	1068436.051	171+50.00	65.00	R
344	2088937.289	1068398.119	170+65.60	65.00	R
345	2088912.378	1068345.752	170+28.59	105.00	R
346	2088882.761	1068360.652	170+61.74	105.00	R
347	2088921.496	1068341.166	170+18.38	105.00	R
348	2088937.840	1068383.317	170+22.72	60.00	R
349	2088932.354	1068397.271	170+33.89	50.00	R
350	2088902.737	1068412.170	170+67.05	50.00	R
351	2088905.989	1068420.556	170+67.91	41.05	R
352	2088935.619	1068405.691	170+34.76	41.01	R
353	2088920.515	1068458.019	170+71.77	1.05	R
354	2088950.146	1068443.155	170+38.62	1.01	R
355	2088528.566	1068610.150	174+90.28	41.29	R
356	2088542.791	1068647.770	174+94.48	1.29	R

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
IL60151E IL60151TE	1.039	0.099	0.079	0.940	0.034	-	06-01-300-022
IL60152E IL60152TE	1.702	0.037	0.030	1.665	0.042	-	06-01-300-023 06-01-300-034 06-02-407-096 06-02-407-094
IL60153E IL60153TE	2.473	0.169	0.139	2.304	0.040	-	06-12-100-024
IL60154E IL60154TE IL60155TE	1.890	0.256	0.249	1.634	154TE=0.004 157TE=0.004	154TE=180 157TE=195	06-01-300-010 06-12-100-002

GENERAL NOTES:

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REVISION DATE: / / REVISION MADE BY:

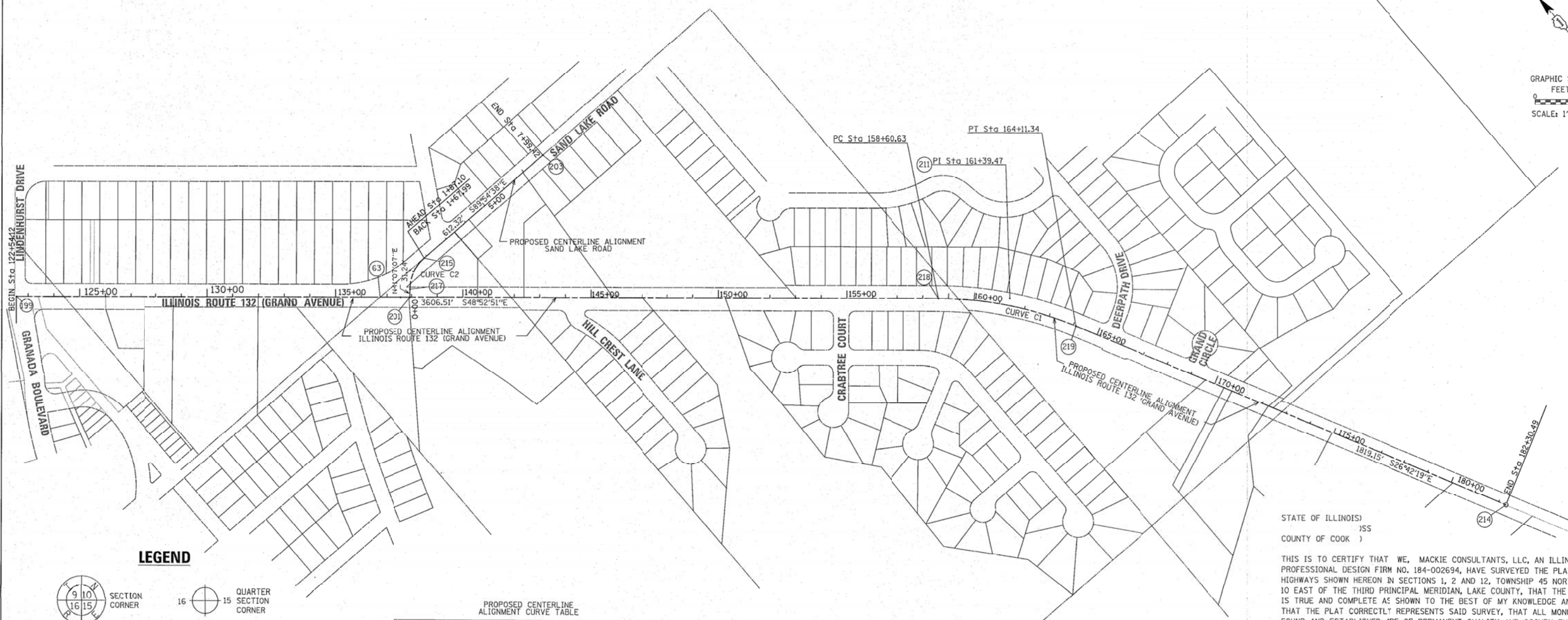
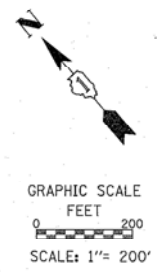
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PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 ILLINOIS ROUTE 132 (GRAND AVENUE)

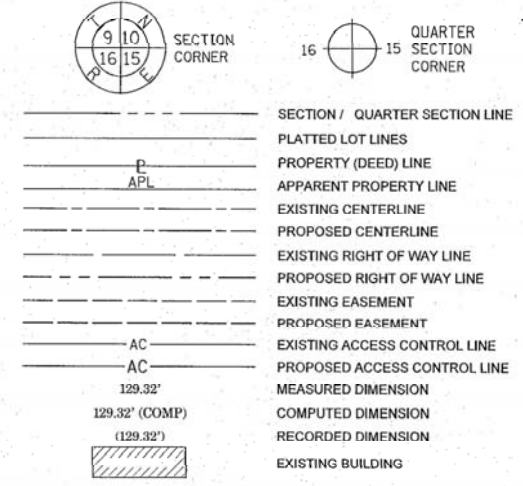
LIMITS: LINDENHURST DRIVE TO DEERPATH DRIVE COUNTY: LAKE
 SECTION: STA. 169+35.74 TO STA. 174+90.28 JOB NO.: R-91-037-13
 SCALE: 1" = 50' SHEET 16B OF 17B SHEETS

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAMBURG, ILLINOIS 60196



BY	DATE	DESCRIPTION
SNC	08-26-14	DRAWN
DAG	08-26-14	APPROVED
CKF	10-15-14	REVISED

LEGEND



PROPOSED CENTERLINE ALIGNMENT CURVE TABLE

CURVE	RADIUS	ARC DISTANCE	CHORD BEARING	CHORD DISTANCE
C1	1422.88'	550.71'	S37°47'35"E	547.28'
C2	160.00'	136.75'	N65°36'15"E	132.63'

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)
SAND LAKE ROAD
COORDINATE/STATION TABLE

Point	Northing	Easting	Station	Offset	L/R
201	2091302.706	1066269.679	0+00.00	0.00	R
217	2091326.237	1066290.221	0+31.24	0.00	R
215	2091381.017	1066411.006	1+67.99	BACK	R
215	2091381.017	1066411.006	1+87.10	AHEAD	R
203	2091380.060	1067023.322	7+99.42	0.00	R

PROJECT COORDINATES
ILLINOIS STATE PLANE, EAST ZONE, NAD 83 (2011)
ILLINOIS ROUTE 32 (GRAND AVENUE)
COORDINATE/STATION TABLE

Point	Northing	Easting	Station	Offset	L/R
63	2091381.631	1066179.174	136+73.63	0.06	R
199	2092315.180	1065109.837	122+54.12	0.00	L
201	2091302.706	1066269.679	137+93.71	0.00	R
203	2091380.060	1067023.322	143+10.59	553.89	L
211	2089760.072	1068036.848	161+39.47	27.07	L
214	2087885.867	1068979.689	182+30.49	0.00	R
215	2091381.017	1066411.006	138+48.68	151.94	L
217	2091326.237	1066290.221	137+93.71	31.24	L
218	2089943.447	1067826.781	158+60.63	0.00	R
219	2089510.971	1068162.161	164+11.34	0.00	L

STATE OF ILLINOIS)
)SS
COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, MACKIE CONSULTANTS, LLC, AN ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002694, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 1, 2 AND 12, TOWNSHIP 45 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, LAKE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSEMONT, ILLINOIS THIS 14th DAY OF March, 2017 A.D.



DALE A. GRAY
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003057
LICENSE EXPIRES: NOVEMBER 30, 2018
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GENERAL NOTES:

1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
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4. AREAS SHOWN ON THIS PLAT ARE GROUND.

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

- IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET ● 5/8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

IDOT USE ONLY

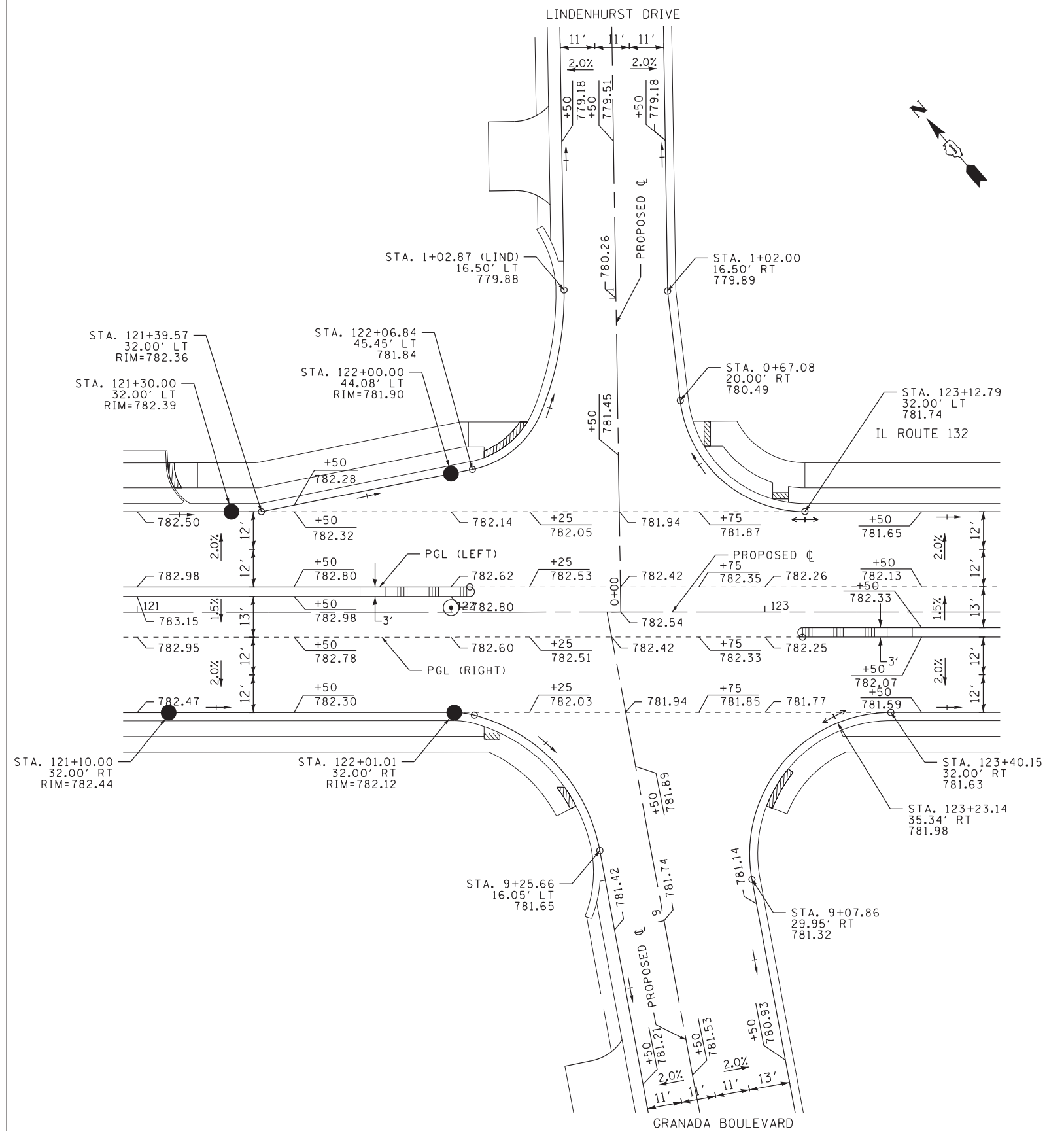
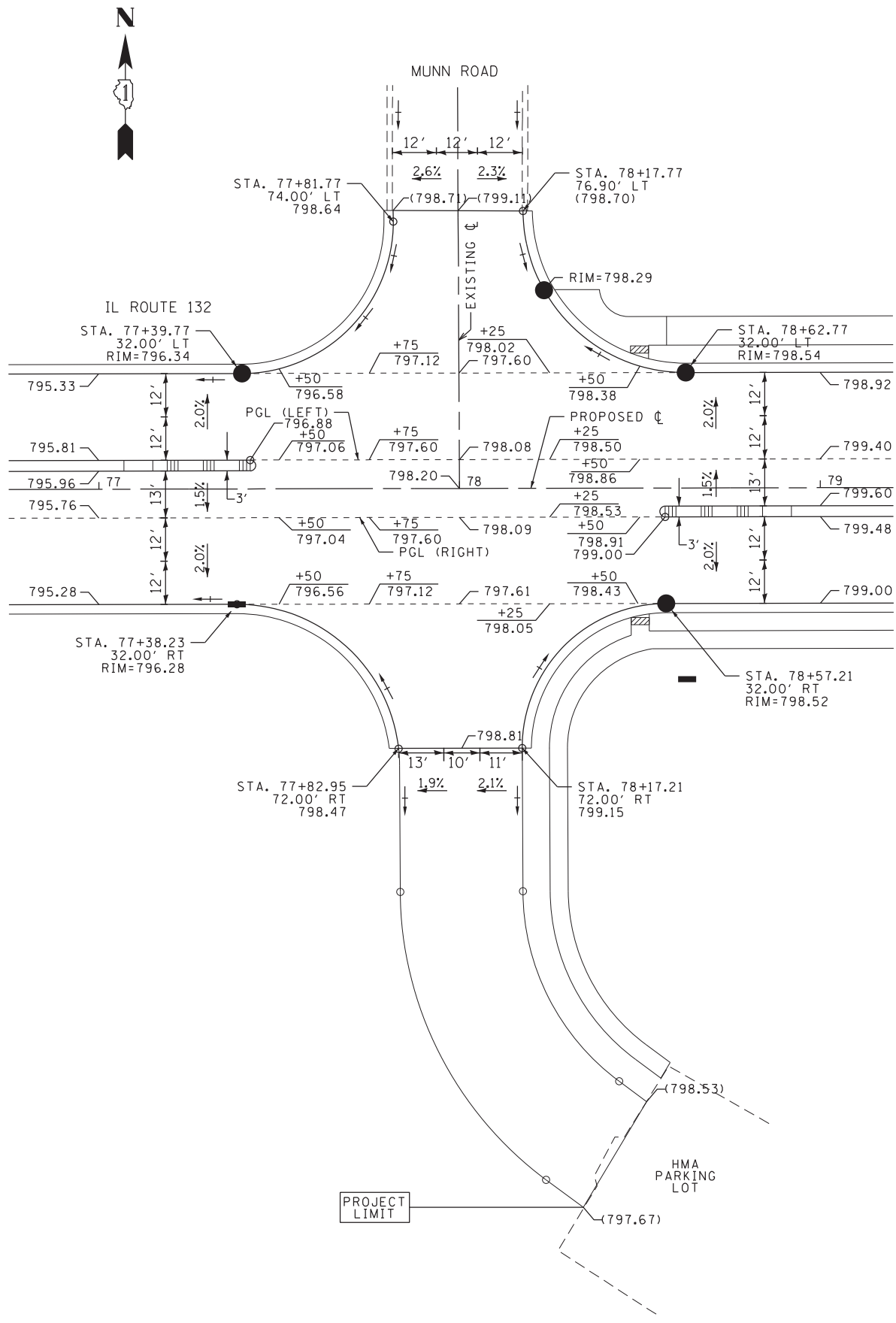
Mackie Consultants, LLC
9575 W. Higgins Road, Suite 500
Rosemont, IL 60018
(847)696-1400
www.mackieconsult.com

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 132 (GRAND AVENUE)

LIMITS: LINDENHURST DRIVE TO DEERPETH DRIVE COUNTY: LAKE
SECTION: JOB NO.: R-91-037-13
STA. N/A TO STA. N/A
SCALE: 1" = 200' SHEET 17B OF 17D SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: / / REVISION MADE BY: _____



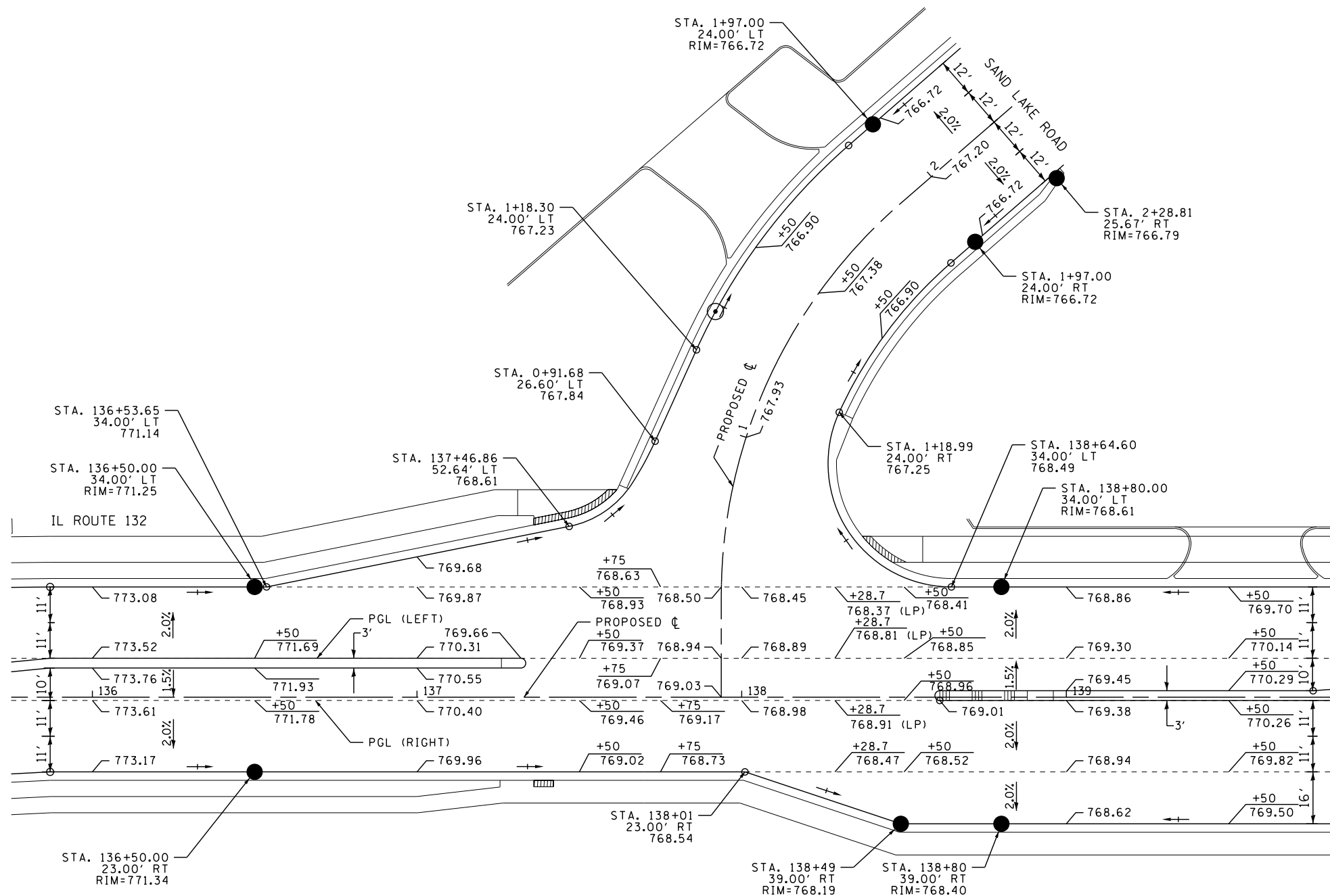
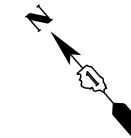
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION DETAIL
IL ROUTE 132 & MUNN ROAD /GRANADA BLVD./LINDENHURST DR.**

SCALE: 1"=20' SHEET OF SHEETS STA. 75+00.00 TO STA. 80+00.00

F.A.P. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	174
CONTRACT NO. 60V55				
ILLINOIS FED. AID PROJECT				



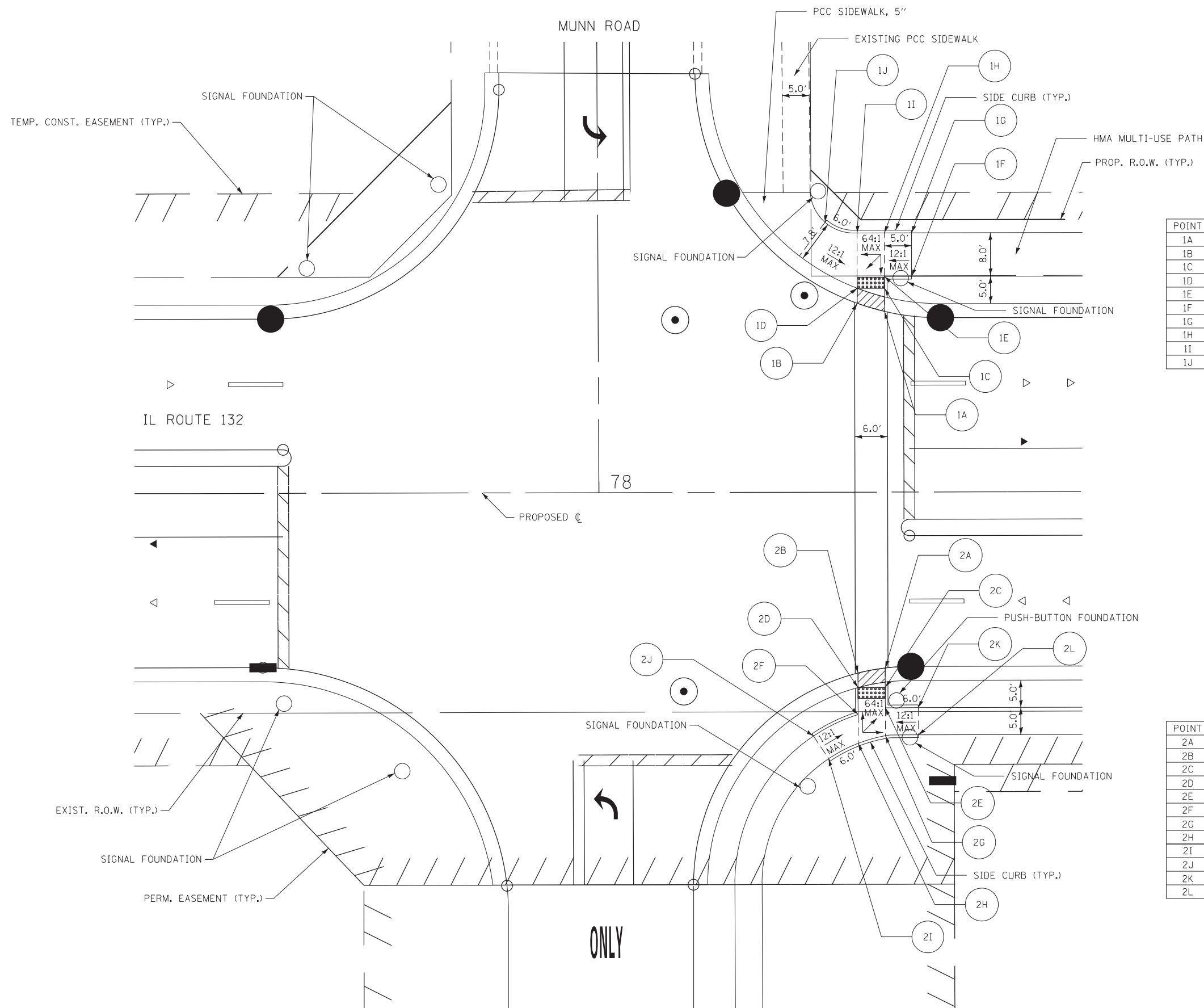
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INTERSECTION DETAIL
IL ROUTE 132 & SAND LAKE ROAD

SCALE: 1"=20' SHEET OF SHEETS STA. 135+00.00 TO STA. 140+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	175
CONTRACT NO. 60V55				
ILLINOIS FED. AID PROJECT				



POINT	STATION	OFFSET	ELEVATION
1A	78+52.5	33.2' LT	798.49
1B	78+47.5	34.7' LT	798.46
1C	78+52.5	37.4' LT	798.51
1D	78+47.5	37.4' LT	798.46
1E	78+52.5	39.6' LT	798.54
1F	78+57.5	39.6' LT	798.62
1G	78+57.5	47.6' LT	798.74
1H	78+52.5	47.6' LT	798.66
1I	78+47.5	47.6' LT	798.61
1J	78+41.6	49.6' LT	798.94

POINT	STATION	OFFSET	ELEVATION
2A	78+52.5	32.3' RT	798.57
2B	78+47.5	33.2' RT	798.62
2C	78+52.5	35.9' RT	798.58
2D	78+47.5	35.9' RT	798.62
2E	78+52.5	39.6' RT	798.64
2F	78+47.5	40.8' RT	798.69
2G	78+52.5	44.7' RT	798.72
2H	78+47.5	46.1' RT	798.77
2I	78+42.1	48.9' RT	799.26
2J	78+39.3	44.7' RT	799.19
2K	78+58.6	39.6' RT	798.72
2L	78+58.6	44.6' RT	798.78

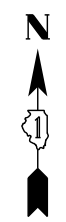
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP LAYOUT DETAIL
IL ROUTE 132 & MUNN ROAD**

SCALE: 1"=10' SHEET OF SHEETS STA. 75+00.00 TO STA. 80+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	176
			CONTRACT NO. 60V55	
ILLINOIS FED. AID PROJECT				

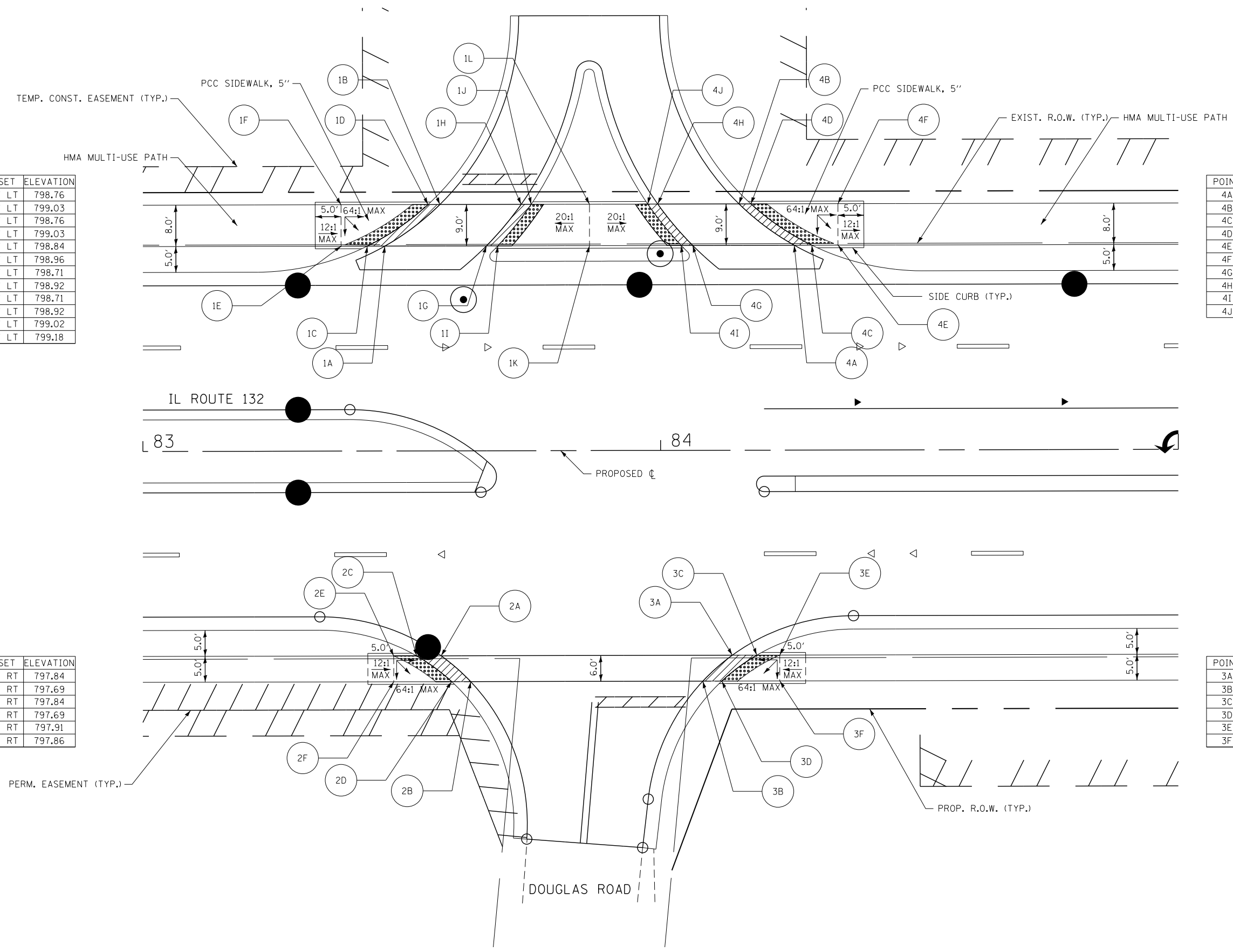


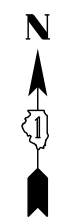
POINT	STATION	OFFSET	ELEVATION
1A	83+46.8	39.6' LT	798.76
1B	83+57.5	47.6' LT	799.03
1C	83+43.4	39.6' LT	798.76
1D	83+55.2	47.6' LT	799.03
1E	83+38.4	39.6' LT	798.84
1F	83+38.4	47.6' LT	798.96
1G	83+66.4	39.6' LT	798.71
1H	83+73.2	47.6' LT	798.92
1I	83+68.6	39.6' LT	798.71
1J	83+75.1	47.6' LT	798.92
1K	83+86.4	39.6' LT	799.02
1L	83+86.4	47.6' LT	799.18

POINT	STATION	OFFSET	ELEVATION
4A	84+25.9	39.6' LT	798.35
4B	84+15.3	47.6' LT	798.62
4C	84+29.3	39.6' LT	798.35
4D	84+17.5	47.6' LT	798.62
4E	84+34.4	39.6' LT	798.43
4F	84+34.4	47.6' LT	798.55
4G	84+06.3	39.6' LT	798.52
4H	83+99.6	47.6' LT	798.73
4I	84+04.1	39.6' LT	798.52
4J	83+97.6	47.6' LT	798.73

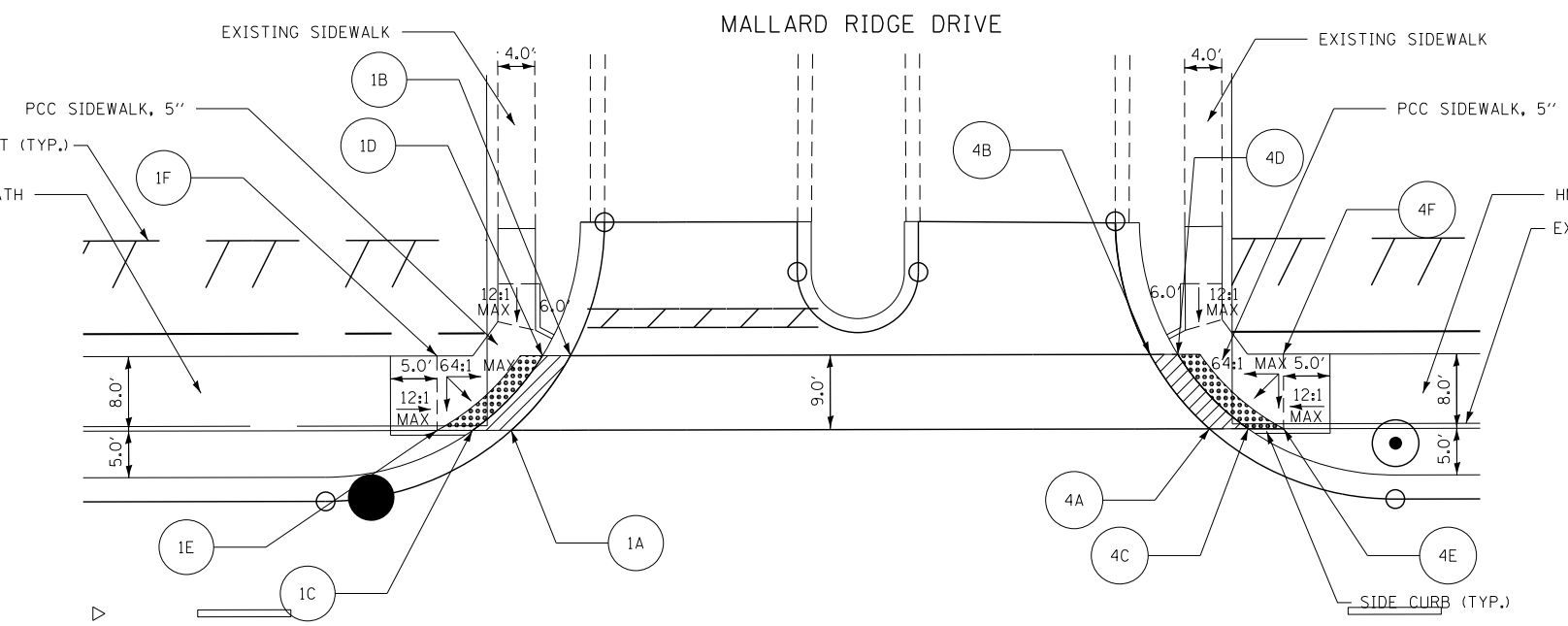
POINT	STATION	OFFSET	ELEVATION
2A	83+57.5	39.6' RT	797.84
2B	83+63.2	44.6' RT	797.69
2C	83+52.8	39.6' RT	797.84
2D	83+59.6	44.6' RT	797.69
2E	83+48.4	39.6' RT	797.91
2F	83+48.4	44.6' RT	797.86

POINT	STATION	OFFSET	ELEVATION
3A	84+13.8	39.6' RT	797.49
3B	84+08.1	44.6' RT	797.34
3C	84+18.5	39.6' RT	797.49
3D	84+11.7	44.6' RT	797.34
3E	84+22.9	39.6' RT	797.56
3F	84+22.9	44.6' RT	797.51

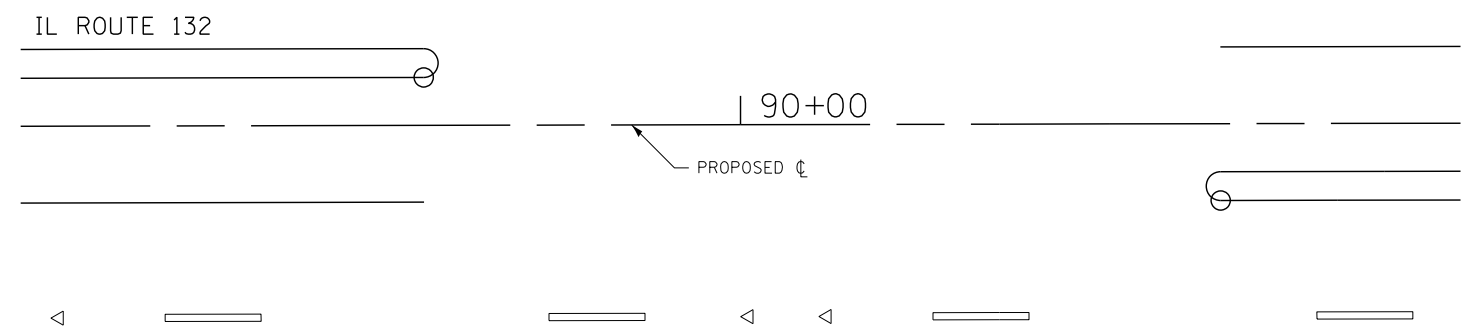




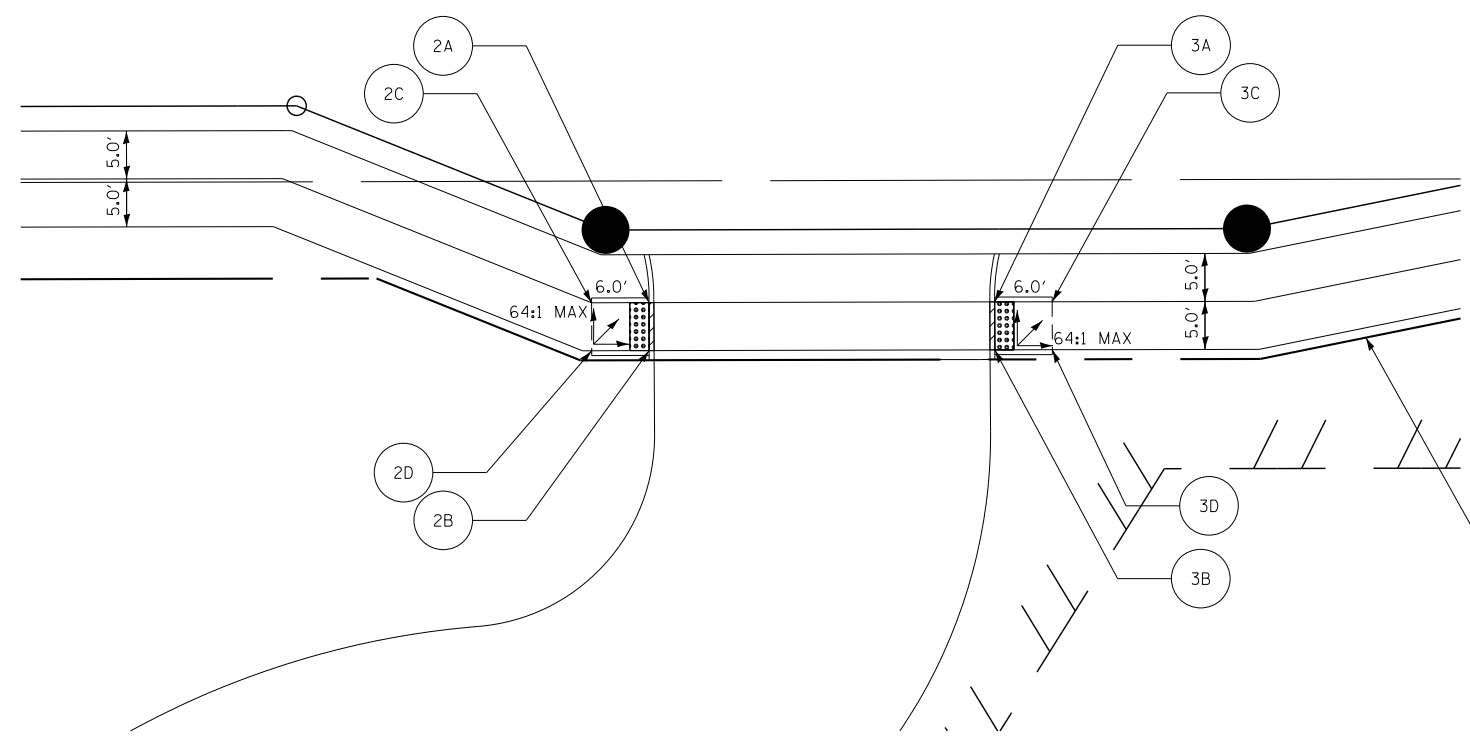
POINT	STATION	OFFSET	ELEVATION
1A	89+71.1	39.6' LT	796.15
1B	89+77.4	47.6' LT	796.24
1C	89+66.9	39.6' LT	796.15
1D	89+74.4	47.6' LT	796.24
1E	89+63.1	39.6' LT	796.21
1F	89+63.1	47.6' LT	796.33



POINT	STATION	OFFSET	ELEVATION
4A	90+46.0	39.6' LT	796.02
4B	90+39.7	47.6' LT	796.18
4C	90+50.2	39.6' LT	796.02
4D	90+42.6	47.6' LT	796.18
4E	90+54.0	39.6' LT	796.08
4F	90+54.0	47.6' LT	796.20



POINT	STATION	OFFSET	ELEVATION
2A	89+90.3	52.6' RT	796.17
2B	89+90.3	57.6' RT	796.25
2C	89+84.4	52.6' RT	796.26
2D	89+84.4	57.6' RT	796.34



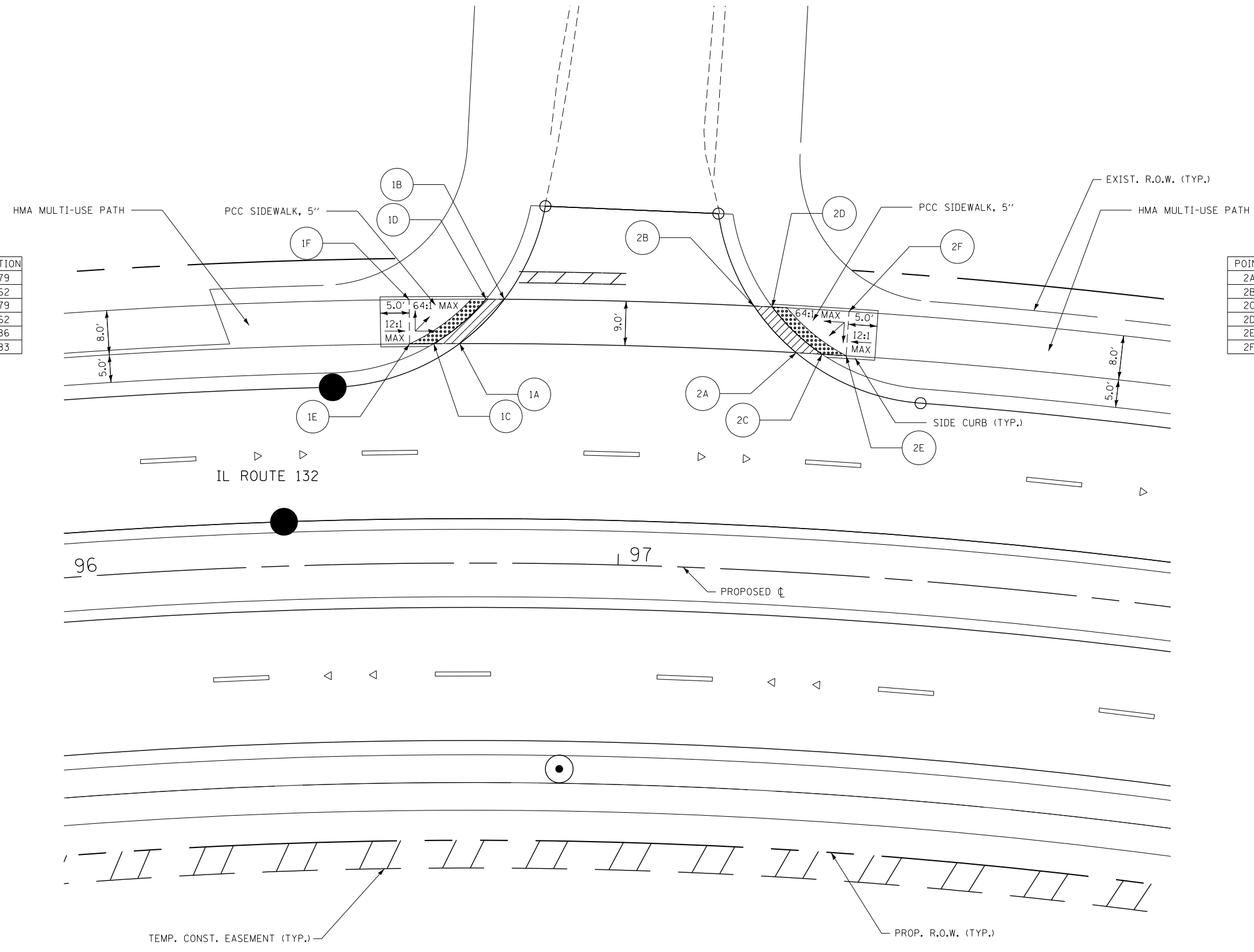
POINT	STATION	OFFSET	ELEVATION
3A	90+26.4	52.6' RT	795.89
3B	90+26.4	57.6' RT	795.97
3C	90+32.4	52.6' RT	795.81
3D	90+32.4	57.6' RT	795.88



PROSPECT DRIVE

POINT	STATION	OFFSET	ELEVATION
1A	96+71.5	39.6' LT	791.79
1B	96+79.2	47.6' LT	791.62
1C	96+67.0	39.6' LT	791.79
1D	96+76.0	47.6' LT	791.62
1E	96+62.8	39.6' LT	791.86
1F	96+62.8	47.6' LT	791.83

POINT	STATION	OFFSET	ELEVATION
2A	97+29.9	39.6' LT	791.08
2B	97+22.2	47.6' LT	791.16
2C	97+34.4	39.6' LT	791.08
2D	97+25.4	47.6' LT	791.16
2E	97+38.6	39.6' LT	791.14
2F	97+38.6	47.6' LT	791.26



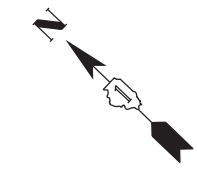
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

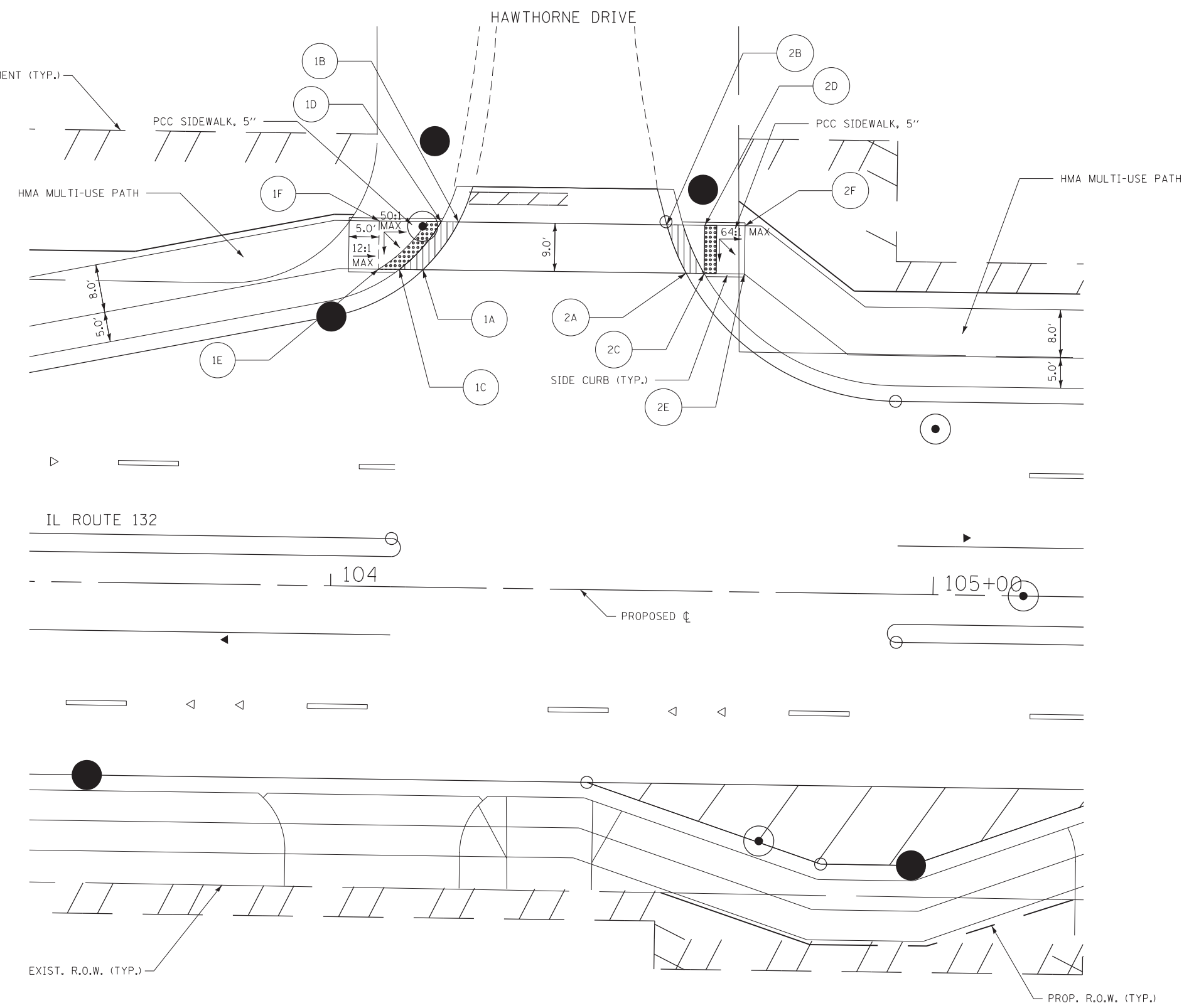
**ADA CURB RAMP LAYOUT DETAIL
IL ROUTE 132 & PROSPECT DRIVE**

SCALE: 1"=10' SHEET OF SHEETS STA. 96+00.00 TO STA. 98+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	179
CONTRACT NO. 60V55				
ILLINOIS FED. AID PROJECT				



POINT	STATION	OFFSET	ELEVATION
1A	104+14.5	52.7' LT	782.94
1B	104+20.4	60.7' LT	783.14
1C	104+10.6	52.7' LT	782.94
1D	104+17.5	60.7' LT	783.14
1E	104+07.2	52.7' LT	783.01
1F	104+07.2	60.7' LT	783.17



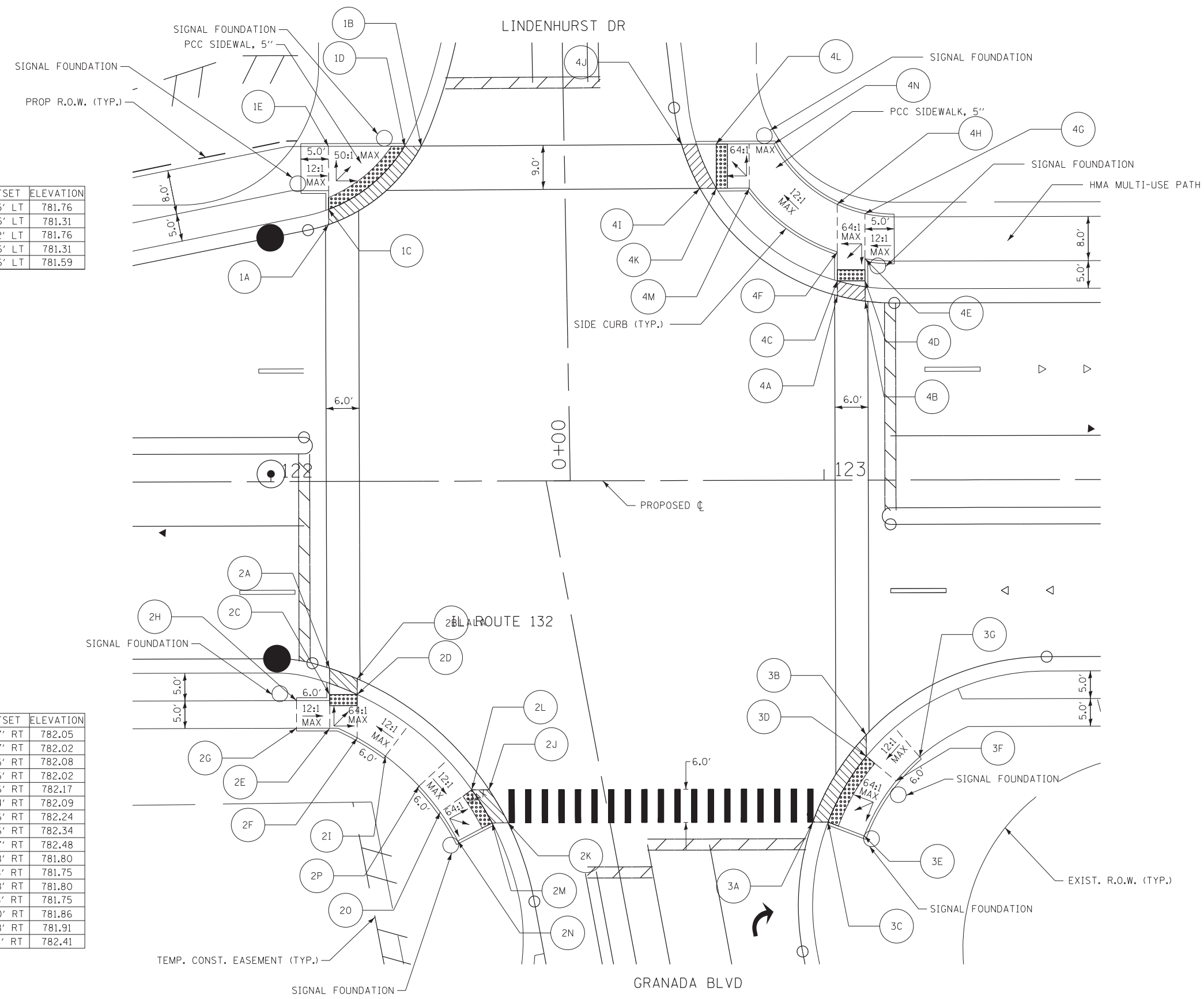
POINT	STATION	OFFSET	ELEVATION
2A	104+58.2	52.8' LT	783.09
2B	104+54.9	60.8' LT	783.27
2C	104+61.2	52.8' LT	783.09
2D	104+61.2	60.8' LT	783.22
2E	104+67.9	52.8' LT	782.99
2F	104+67.9	60.8' LT	783.12

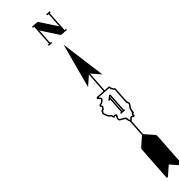
POINT	STATION	OFFSET	ELEVATION
1A	122+10.6	46.5' LT	781.76
1B	122+27.3	60.6' LT	781.31
1C	122+10.6	49.2' LT	781.76
1D	122+24.4	60.6' LT	781.31
1E	122+10.6	60.6' LT	781.59

POINT	STATION	OFFSET	ELEVATION
2A	122+10.5	33.7' RT	782.05
2B	122+15.5	35.7' RT	782.02
2C	122+10.5	38.5' RT	782.08
2D	122+15.5	38.5' RT	782.02
2E	122+10.5	44.6' RT	782.17
2F	122+15.5	46.4' RT	782.09
2G	122+04.5	44.6' RT	782.24
2H	122+04.5	39.6' RT	782.34
2I	122+20.6	49.7' RT	782.48
2J	122+39.3	55.8' RT	781.80
2K	122+42.7	61.8' RT	781.75
2L	122+36.2	55.8' RT	781.80
2M	122+39.8	61.8' RT	781.75
2N	122+33.6	65.0' RT	781.86
2O	122+30.4	59.8' RT	781.91
2P	122+26.6	55.1' RT	782.41

POINT	STATION	OFFSET	ELEVATION
4A	123+02.5	33.3' LT	781.52
4B	123+07.5	32.4' LT	781.63
4C	123+02.5	36.0' LT	781.52
4D	123+07.5	36.0' LT	781.65
4E	123+07.5	40.0' LT	781.55
4F	123+02.5	41.3' LT	781.60
4G	123+07.5	48.2' LT	781.83
4H	123+02.5	49.9' LT	781.73
4I	122+77.7	52.8' LT	780.82
4J	122+74.4	60.8' LT	780.64
4K	122+80.6	52.8' LT	780.82
4L	122+80.6	60.8' LT	780.69
4M	122+86.6	52.8' LT	780.91
4N	122+91.1	60.8' LT	780.85

POINT	STATION	OFFSET	ELEVATION
3A	122+97.8	61.8' RT	781.57
3B	123+07.5	46.0' RT	781.78
3C	123+00.6	61.8' RT	781.57
3D	123+07.5	49.9' RT	781.78
3E	123+07.1	64.3' RT	781.68
3F	123+12.9	54.4' RT	781.85
3G	123+17.2	50.1' RT	782.35

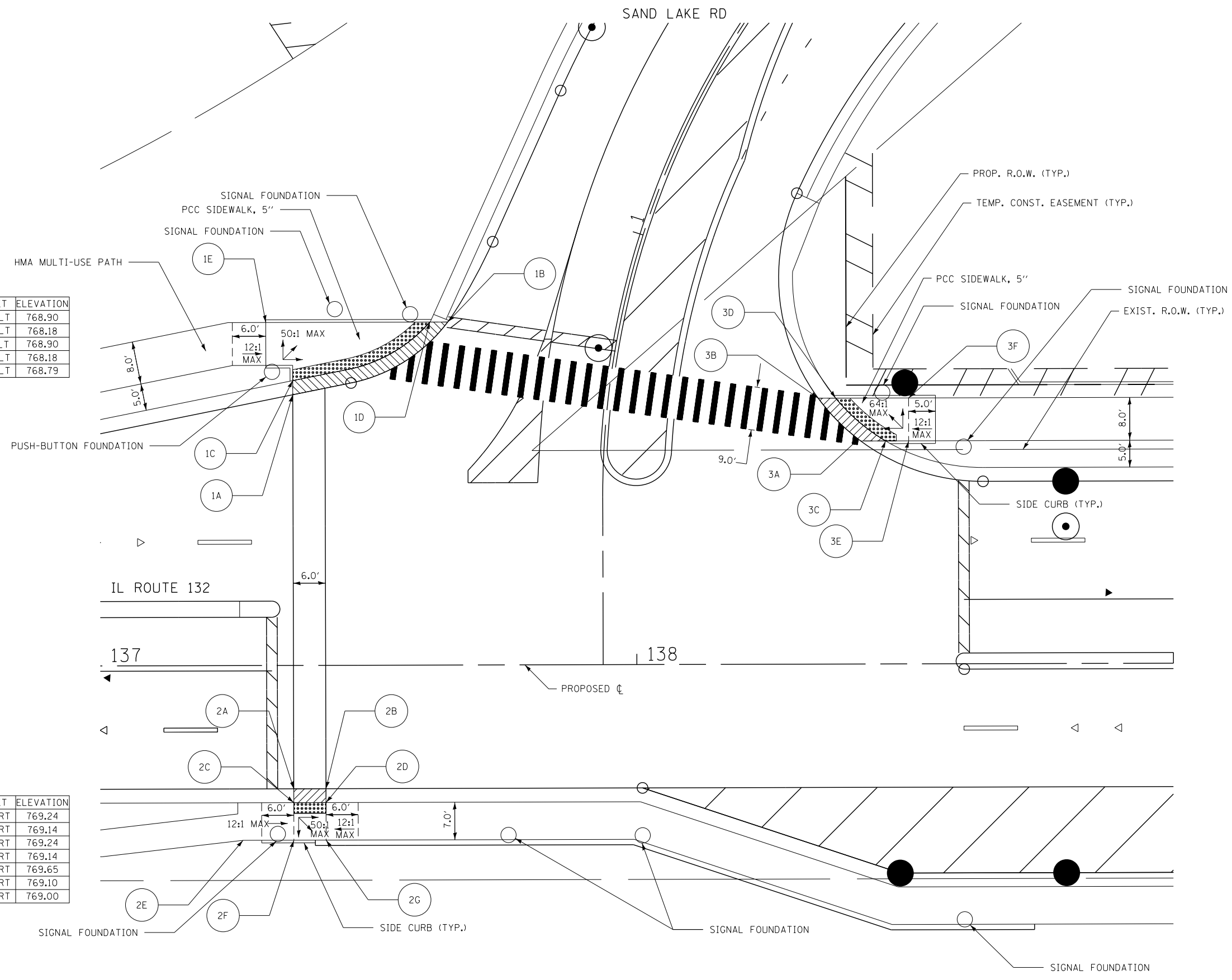




POINT	STATION	OFFSET	ELEVATION
1A	137+36.0	50.5' LT	768.90
1B	137+64.9	64.0' LT	768.18
1C	137+36.0	53.1' LT	768.90
1D	137+61.6	64.0' LT	768.18
1E	137+31.0	64.0' LT	768.79

POINT	STATION	OFFSET	ELEVATION
3A	138+41.8	41.6' LT	768.09
3B	138+33.9	49.6' LT	767.91
3C	138+46.5	41.6' LT	768.09
3D	138+37.2	49.6' LT	767.91
3E	138+50.8	41.6' LT	768.16
3F	138+50.8	49.6' LT	768.11

POINT	STATION	OFFSET	ELEVATION
2A	137+36.0	23.0' RT	769.24
2B	137+42.0	23.0' RT	769.14
2C	137+36.0	25.6' RT	769.24
2D	137+42.0	25.6' RT	769.14
2E	137+26.5	32.6' RT	769.65
2F	137+36.0	32.6' RT	769.10
2G	137+42.0	32.6' RT	769.00

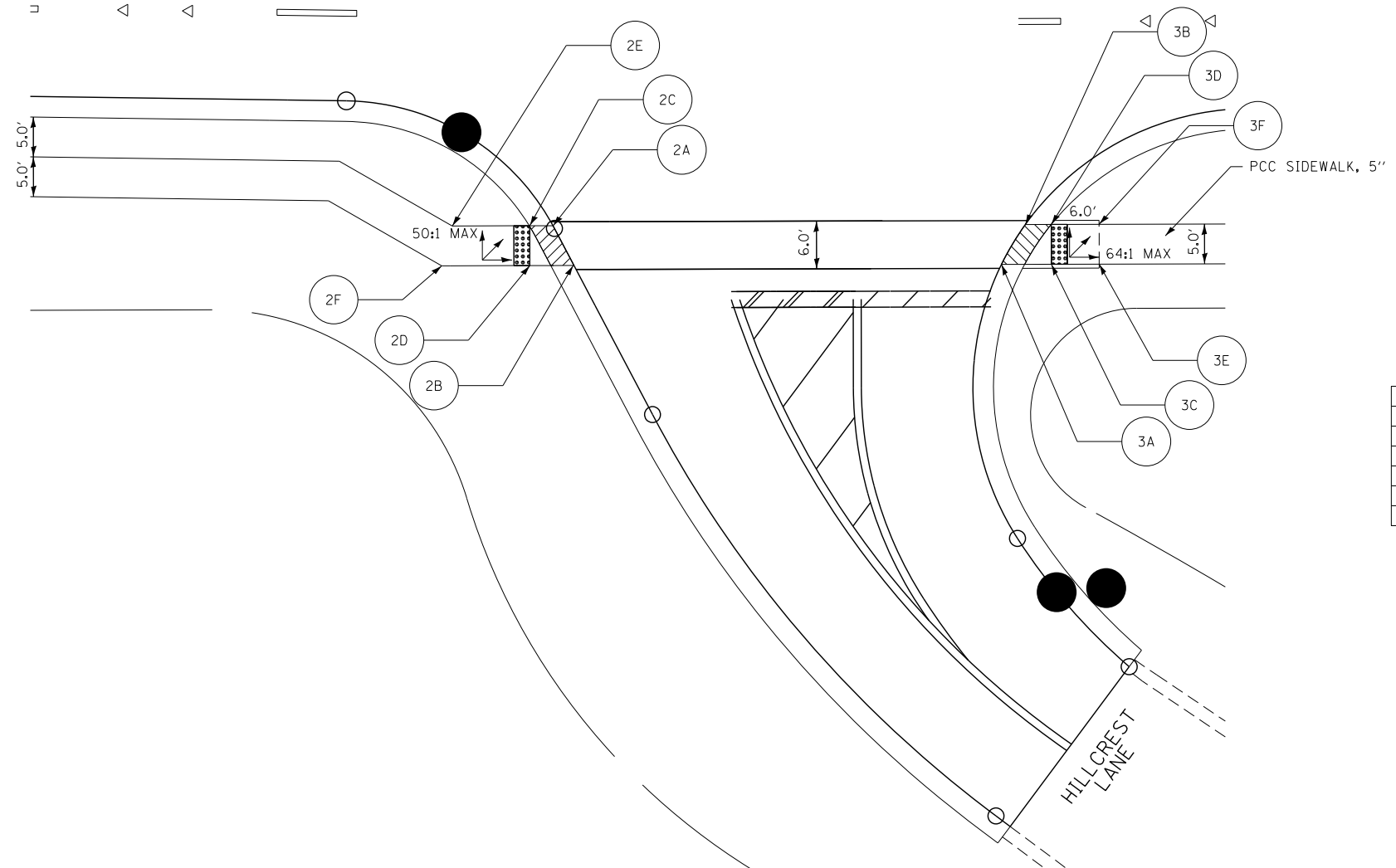
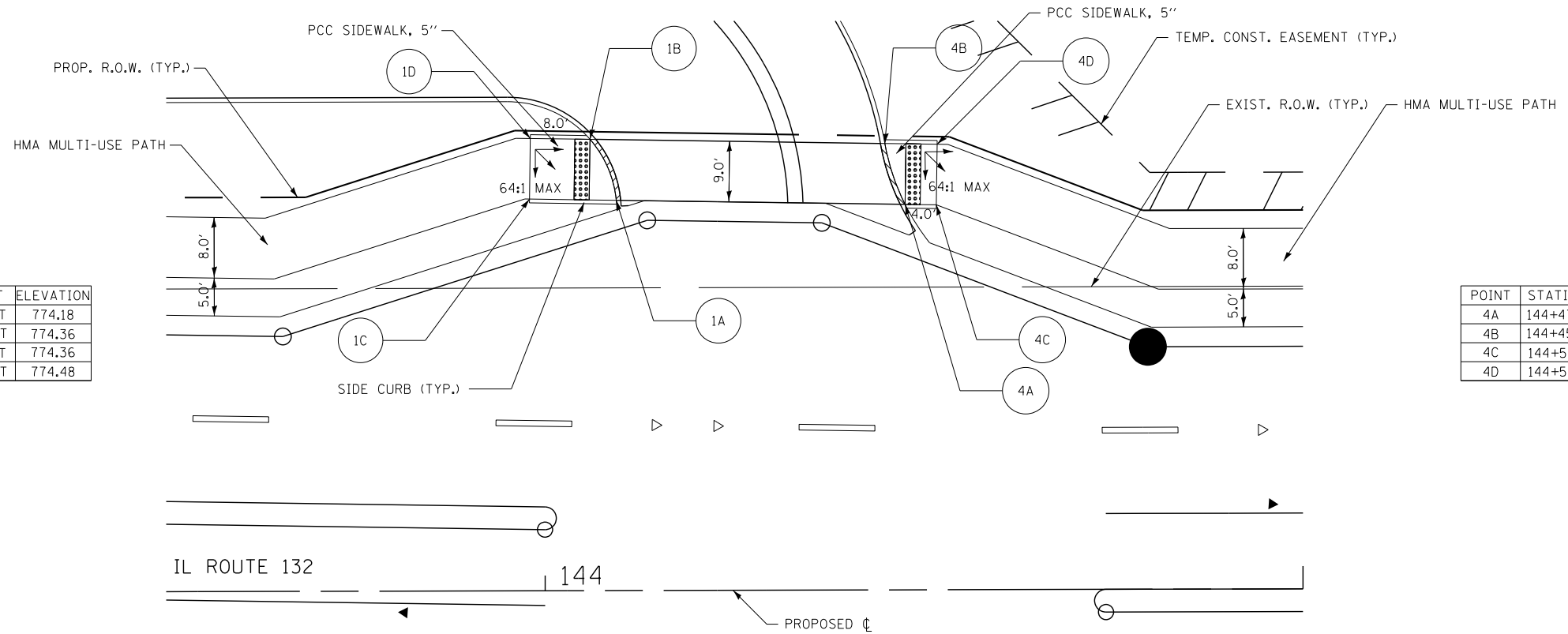


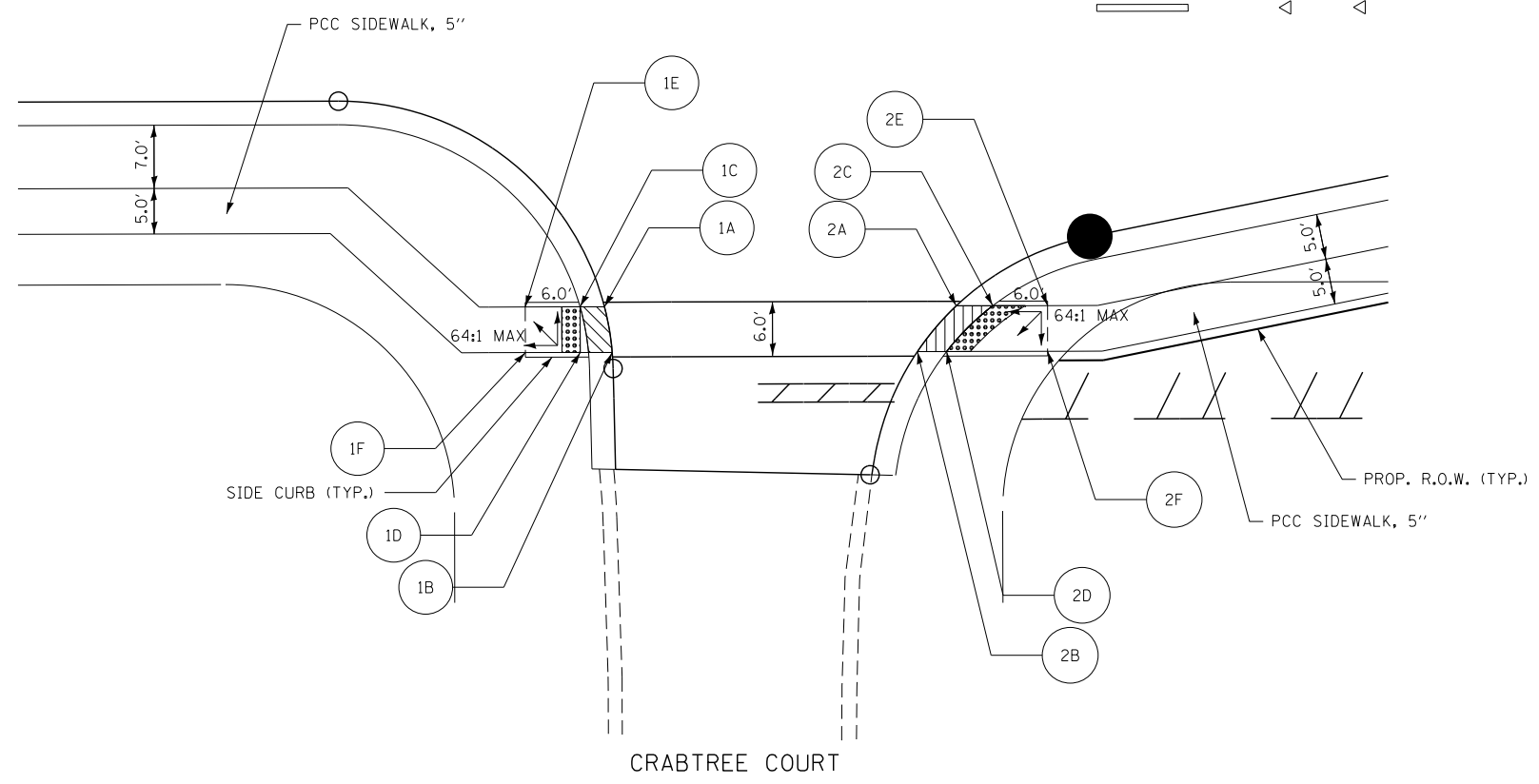
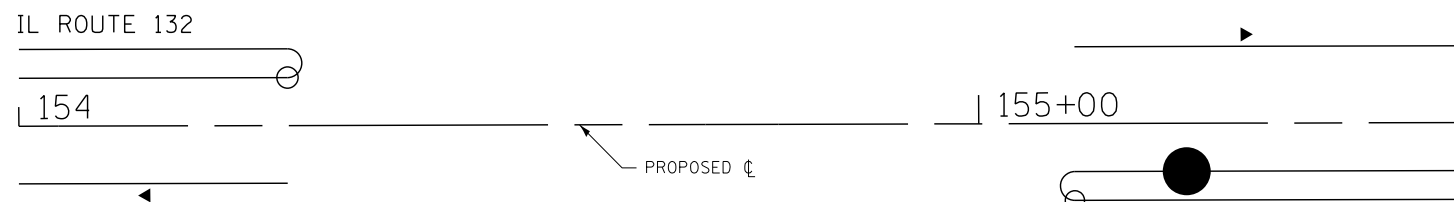
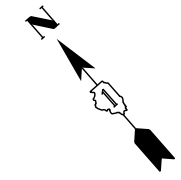
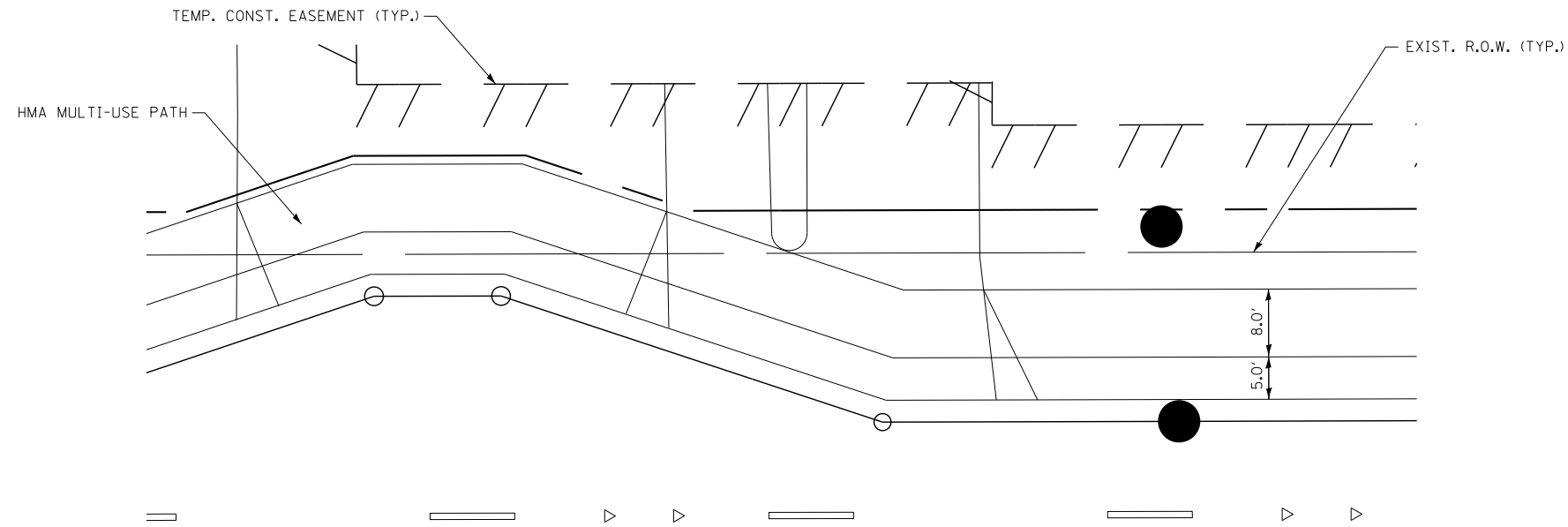
POINT	STATION	OFFSET	ELEVATION
1A	144+09.5	51.5' LT	774.18
1B	144+06.1	59.6' LT	774.36
1C	143+98.1	51.7' LT	774.36
1D	143+98.1	59.7' LT	774.48

POINT	STATION	OFFSET	ELEVATION
2A	144+15.5	39.5' RT	774.43
2B	144+18.0	44.5' RT	774.56
2C	144+12.6	39.5' RT	774.43
2D	144+12.6	44.5' RT	774.53
2E	144+02.9	39.5' RT	774.62
2F	144+01.5	44.5' RT	774.75

POINT	STATION	OFFSET	ELEVATION
4A	144+47.6	50.9' LT	773.46
4B	144+45.0	58.9' LT	773.63
4C	144+51.7	50.8' LT	773.40
4D	144+51.7	58.8' LT	773.52

POINT	STATION	OFFSET	ELEVATION
3A	144+71.8	44.5' RT	772.63
3B	144+74.8	39.5' RT	772.51
3C	144+78.1	44.5' RT	772.58
3D	144+78.1	39.5' RT	772.51
3E	144+84.1	44.5' RT	772.49
3F	144+84.1	39.5' RT	772.42





POINT	STATION	OFFSET	ELEVATION
1A	154+64.1	52.6' RT	783.89
1B	154+64.9	57.6' RT	783.95
1C	154+61.4	52.6' RT	783.89
1D	154+61.4	57.6' RT	783.94
1E	154+55.4	52.6' RT	783.80
1F	154+55.4	57.6' RT	783.88

POINT	STATION	OFFSET	ELEVATION
2A	155+02.6	52.6' RT	785.10
2B	154+98.3	57.6' RT	784.96
2C	155+06.6	52.6' RT	785.10
2D	155+01.5	57.6' RT	784.96
2E	155+12.6	52.6' RT	785.19
2F	155+12.6	57.6' RT	785.12

FILE NAME =	USER NAME = \$USER\$	DESIGNED - BLG	REVISED -
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		DATE - 4/28/2017	REVISED -

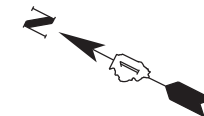
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA CURB RAMP LAYOUT DETAIL
IL ROUTE 132 & CRABTREE COURT**

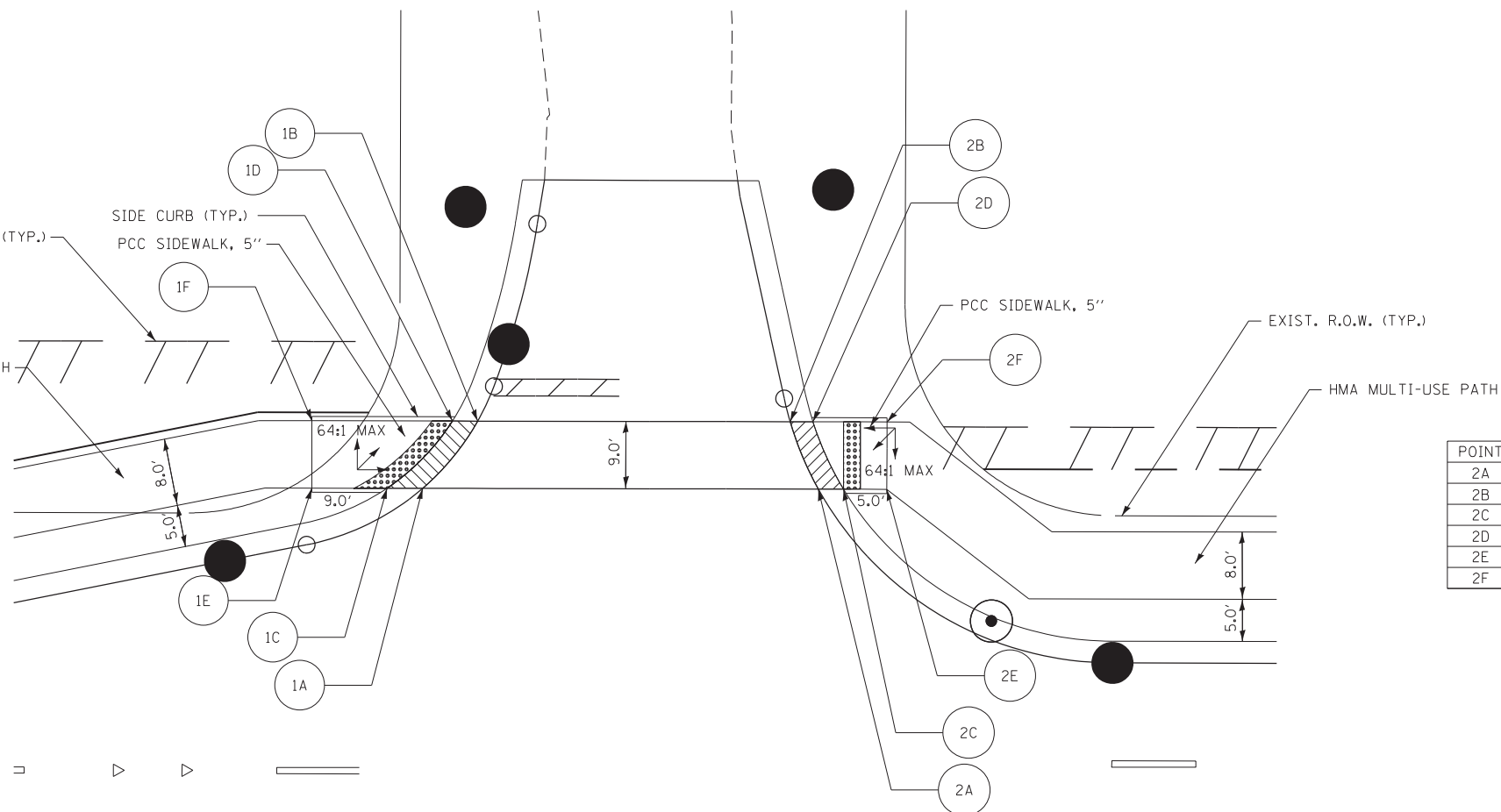
SCALE: 1"=10' SHEET OF SHEETS STA. 154+00.00 TO STA. 155+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	184
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60V55	

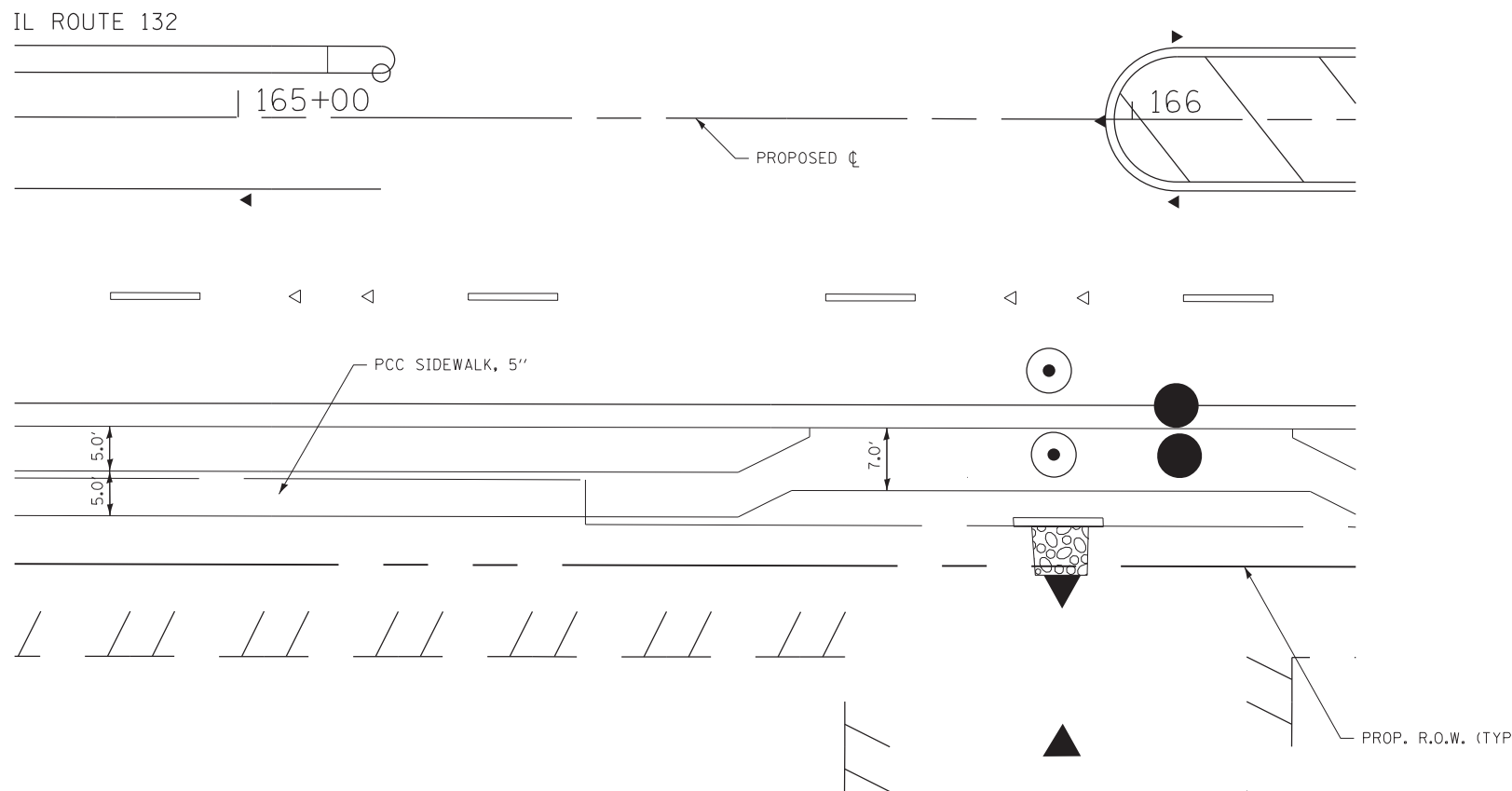
DEERPETH DRIVE



POINT	STATION	OFFSET	ELEVATION
1A	165+23.5	52.6' LT	790.61
1B	165+30.0	60.6' LT	790.55
1C	165+19.2	52.6' LT	790.61
1D	165+27.0	60.6' LT	790.55
1E	165+10.3	52.6' LT	790.75
1F	165+10.3	60.6' LT	790.63



POINT	STATION	OFFSET	ELEVATION
2A	165+70.5	52.6' LT	791.03
2B	165+67.1	60.6' LT	791.06
2C	165+73.4	52.6' LT	791.03
2D	165+69.8	60.6' LT	791.06
2E	165+78.6	52.6' LT	791.11
2F	165+78.6	60.6' LT	791.19



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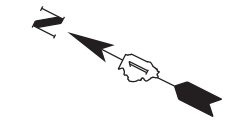
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP LAYOUT DETAIL
IL ROUTE 132 & DEERPETH DRIVE

SCALE: 1"=10' SHEET OF SHEETS STA. 164+75.00 TO STA. 166+25.00

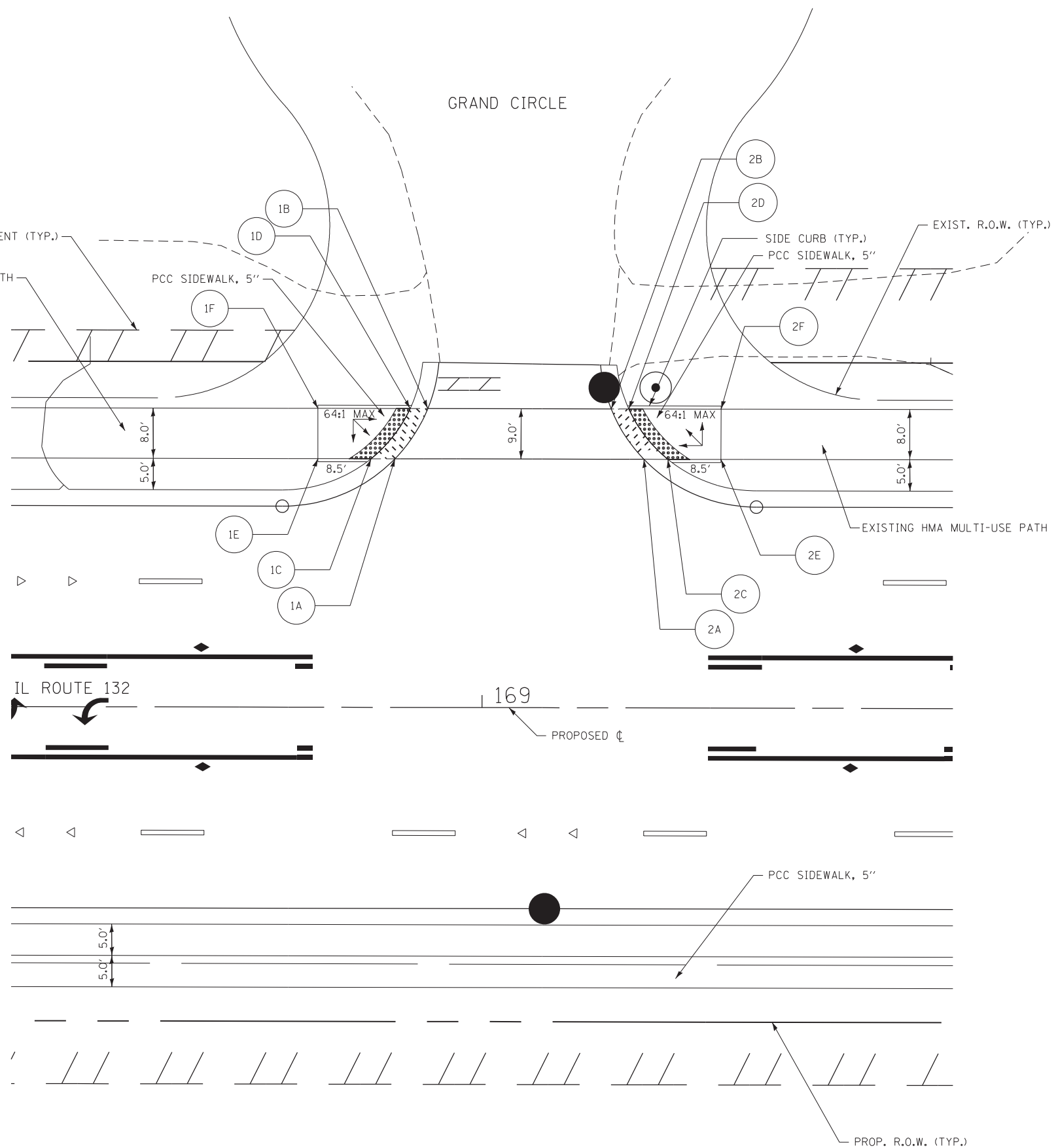
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	185
CONTRACT NO. 60V55				
ILLINOIS FED. AID PROJECT				

GRAND CIRCLE



POINT	STATION	OFFSET	ELEVATION
1A	168+86.1	39.6' LT	793.98
1B	168+91.3	47.6' LT	794.16
1C	168+82.2	39.6' LT	793.98
1D	168+88.5	47.6' LT	794.16
1E	168+73.8	39.6' LT	794.11
1F	168+73.8	47.6' LT	794.23

POINT	STATION	OFFSET	ELEVATION
2A	169+25.7	39.6' LT	794.52
2B	169+20.5	47.6' LT	794.47
2C	169+29.5	39.6' LT	794.52
2D	169+23.3	47.6' LT	794.47
2E	169+38.0	39.6' LT	794.65
2F	169+38.0	47.6' LT	794.62



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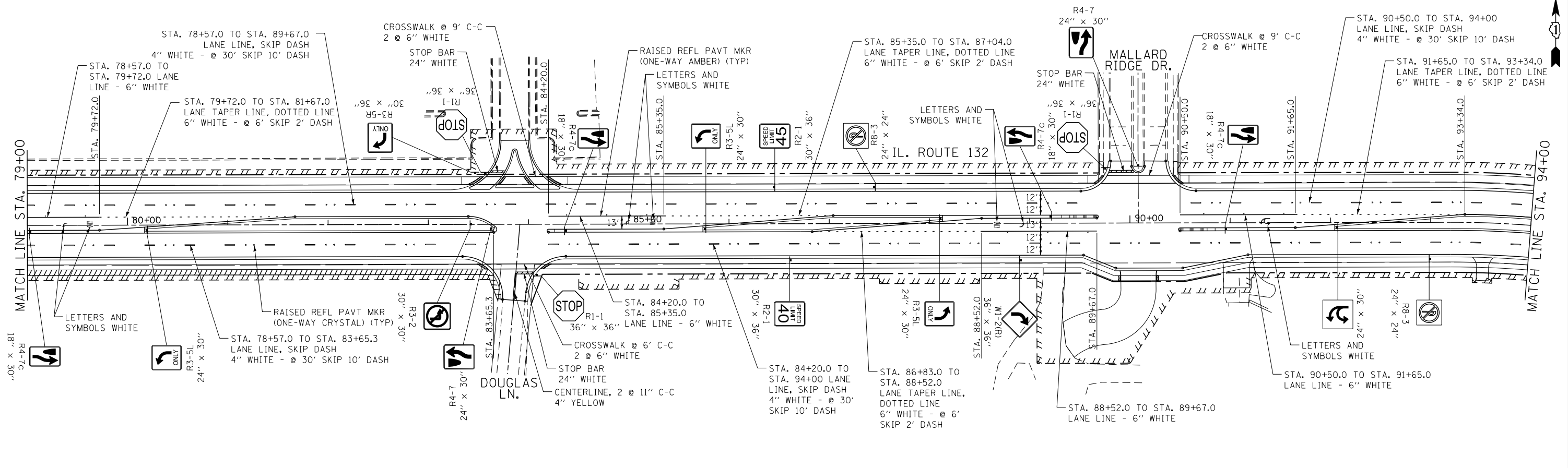
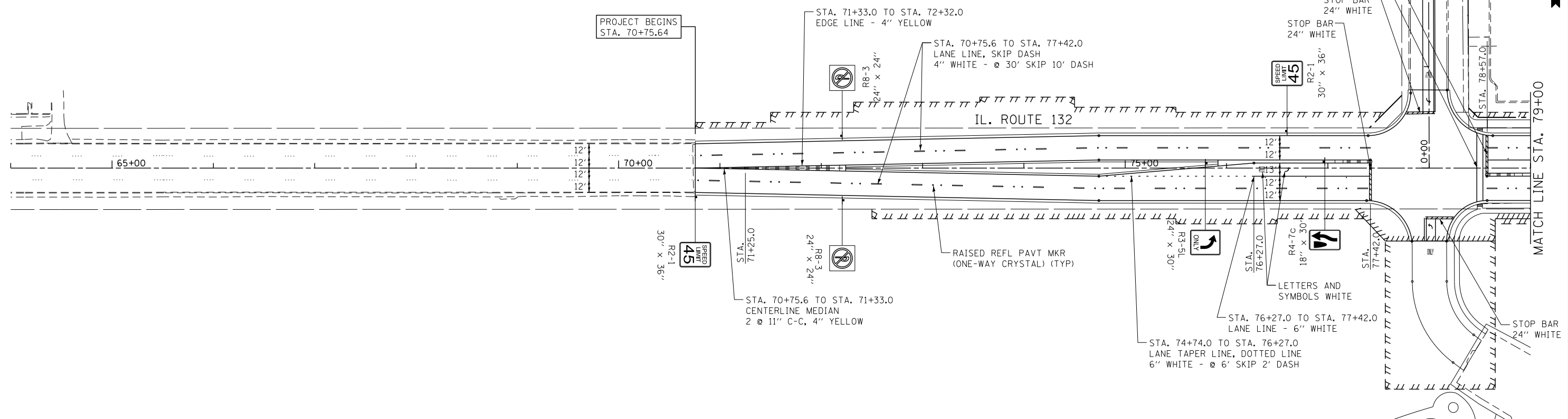
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA CURB RAMP LAYOUT DETAIL
IL ROUTE 132 & GRAND CIRCLE

SCALE: 1"=10' SHEET OF SHEETS STA. 168+25.00 TO STA. 169+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	186
				CONTRACT NO. 60V55
ILLINOIS FED. AID PROJECT				

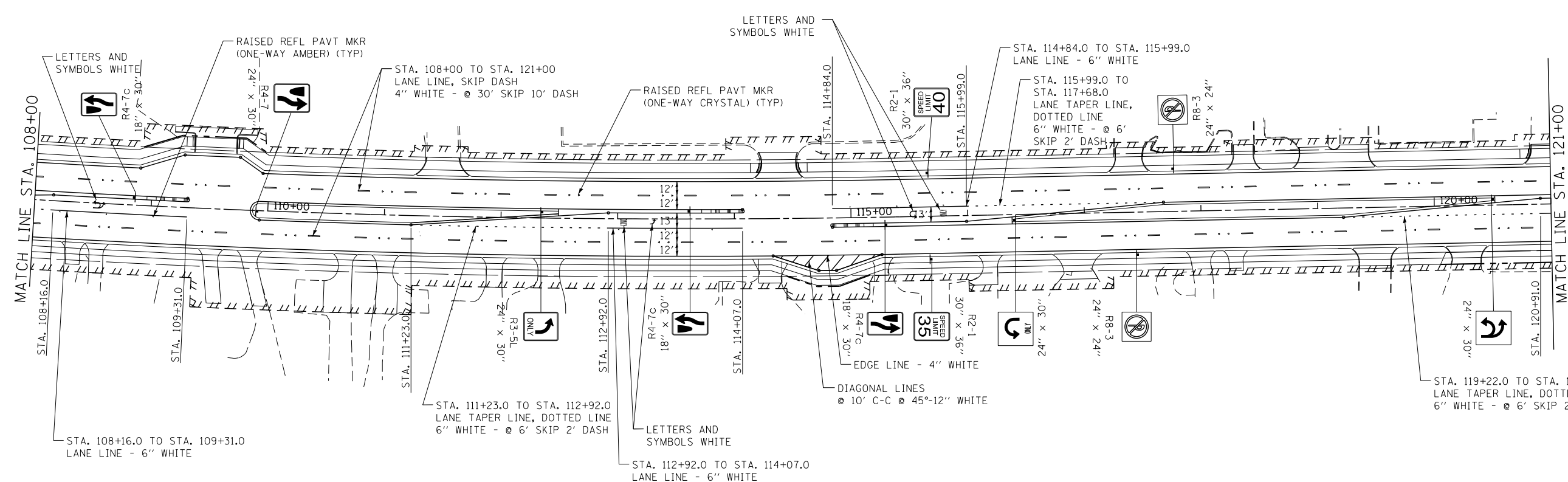
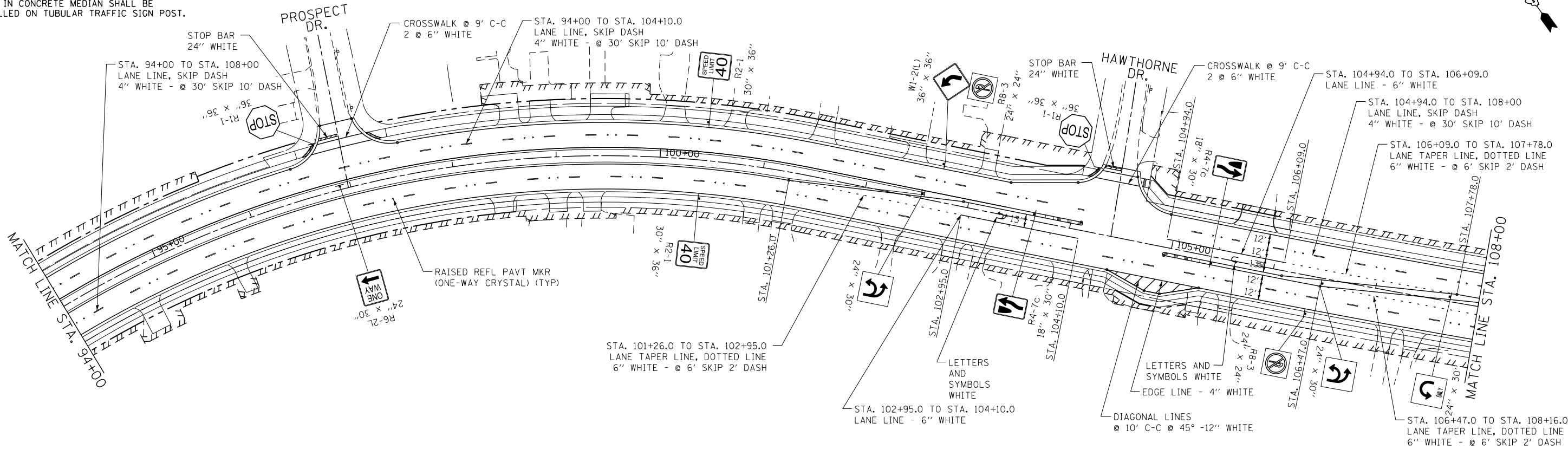
- NOTE:
- 1) ALL FINAL PAVEMENT MARKING MATERIALS SHALL BE THERMOPLASTIC ON HOT-MIX ASPHALT.
 - 2) SIGNS IN CONCRETE MEDIAN SHALL BE INSTALLED ON TUBULAR TRAFFIC SIGN POST.



FILE NAME =	USER NAME = *USER*	DESIGNED -	BLG	REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND SIGNAGE PLAN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
FILEL		DRAWN -	BCD	REVISED -			SCALE: 1" = 50'	SHEET	OF	SHEETS	541	A-WRS-2	LAKE	345	187
		CHECKED -	BDH	REVISED -			STA. 64+00.00	TO	STA. 94+00.00	CONTRACT NO. 60V55					
MODELNAME		DATE -	4/28/2017	REVISED -			ILLINOIS FED. AID PROJECT								

NOTE:

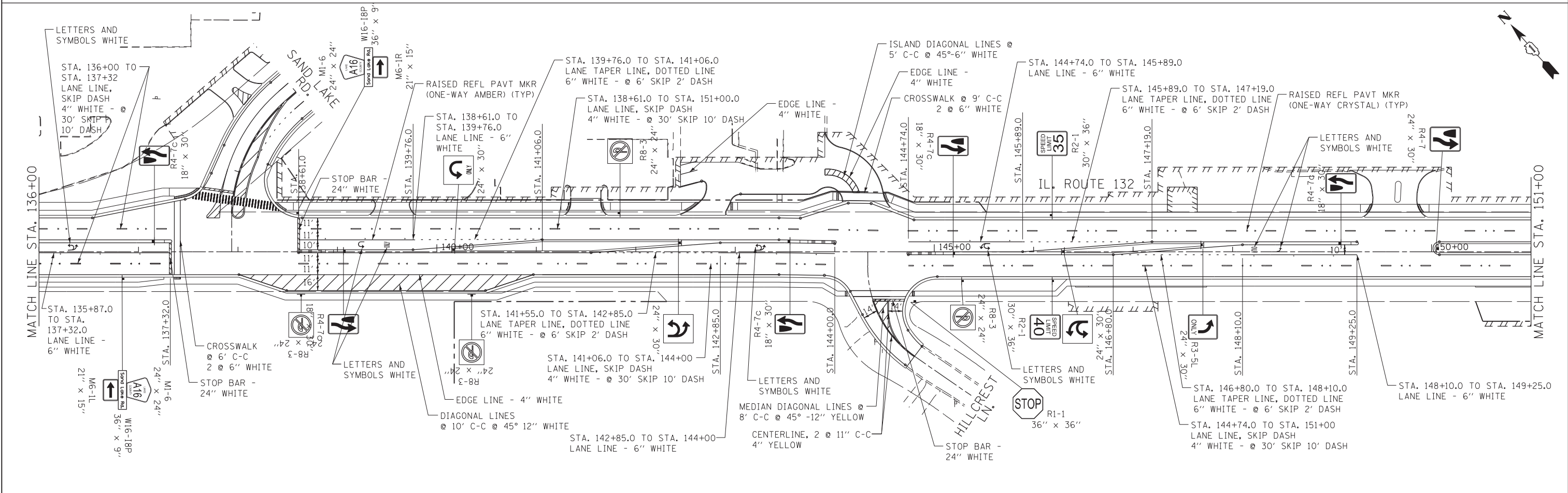
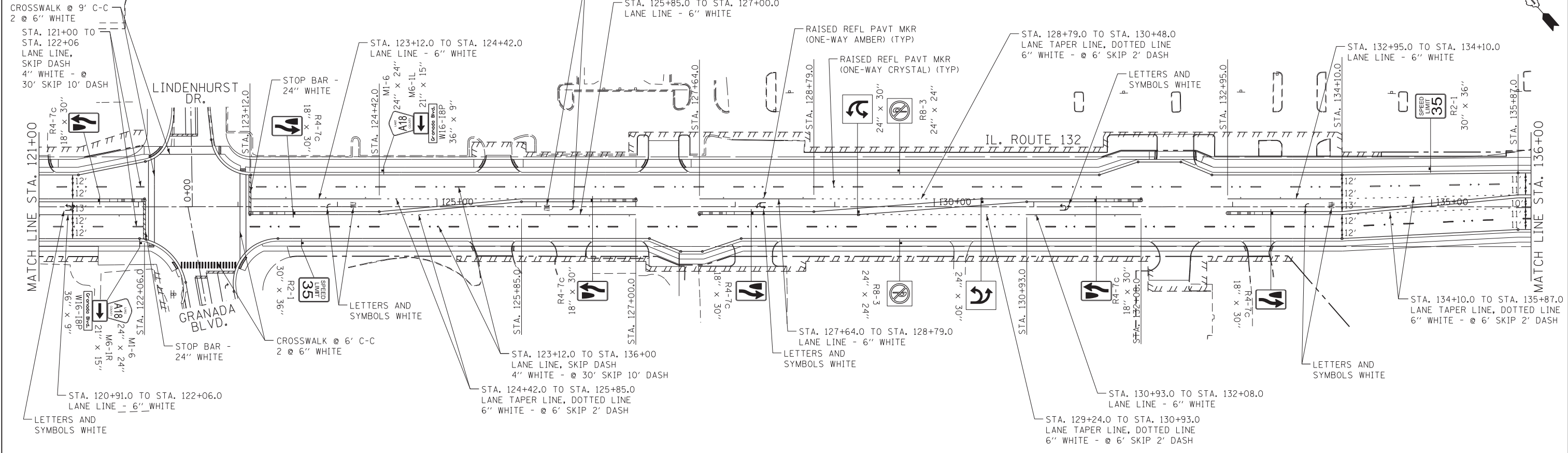
- 1) ALL FINAL PAVEMENT MARKING MATERIALS SHALL BE THERMOPLASTIC ON HOT-MIX ASPHALT.
- 2) SIGNS IN CONCRETE MEDIAN SHALL BE INSTALLED ON TUBULAR TRAFFIC SIGN POST.



FILE NAME =	USER NAME = #USER#	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND SIGNAGE PLAN			F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN - BCD	REVISED -					541	A-WRS-2	LAKE	345	188
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#MODELNAME#	PLOT DATE = #DATE#	DATE - 4/28/2017	REVISED -					ILLINOIS FED. AID PROJECT				
				SCALE: 1"=50'	SHEET	OF	SHEETS	STA. 94+00.00	TO	STA. 121+00.00		

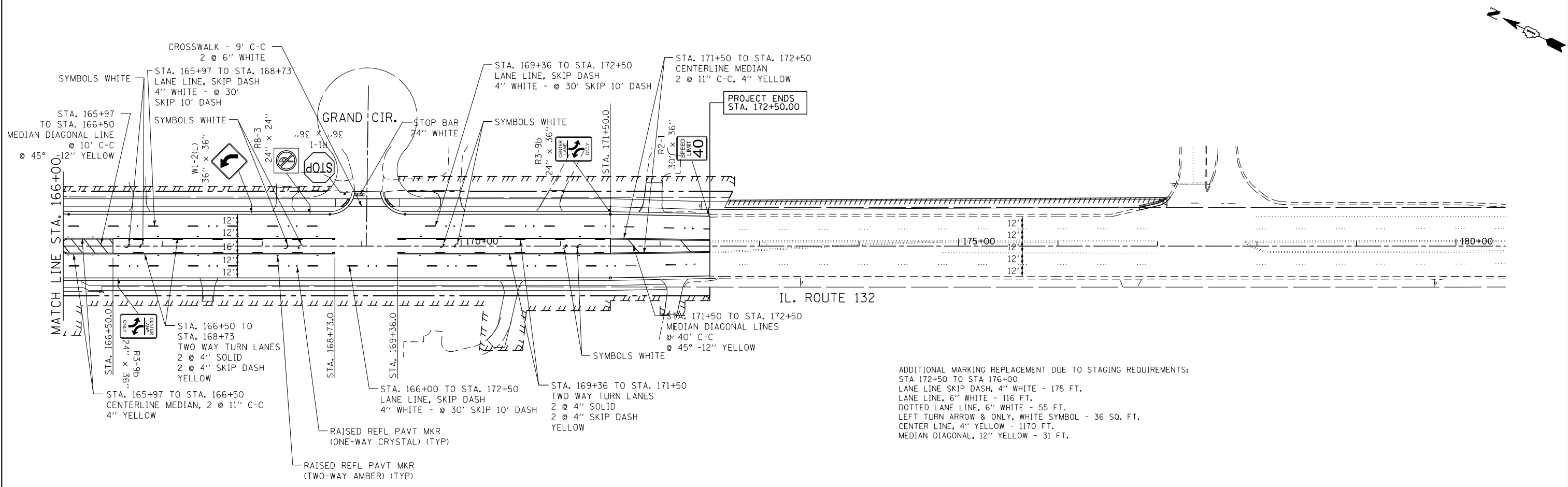
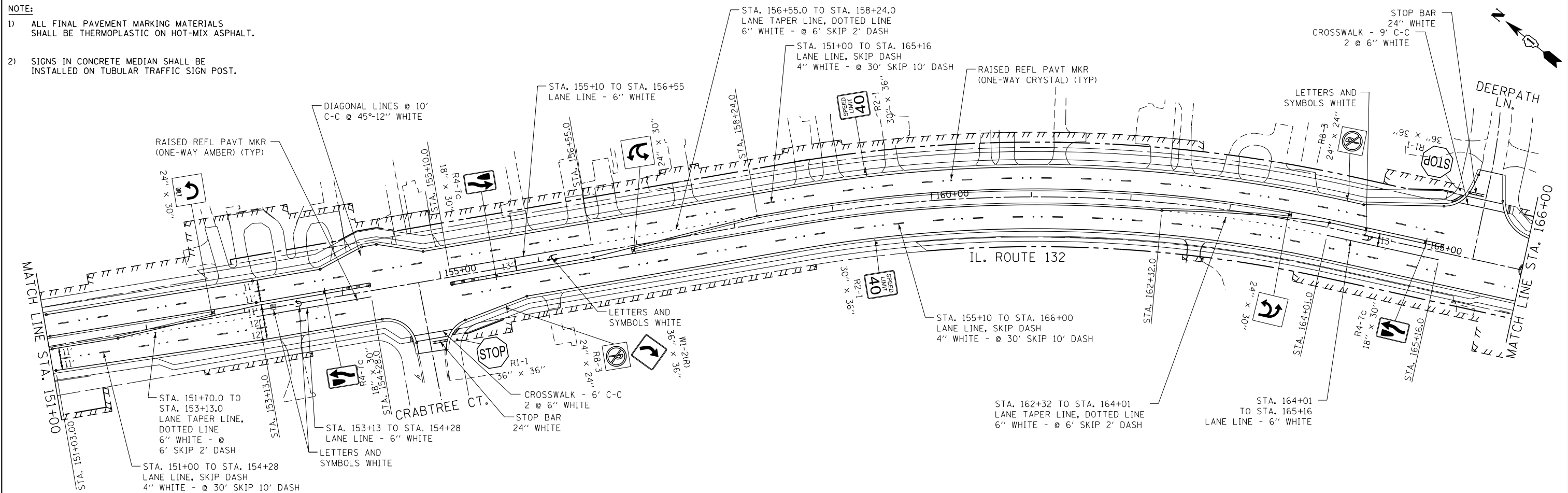
NOTE:

- 1) ALL FINAL PAVEMENT MARKING MATERIALS SHALL BE THERMOPLASTIC ON HOT-MIX ASPHALT.
- 2) SIGNS IN CONCRETE MEDIAN SHALL BE INSTALLED ON TUBULAR TRAFFIC SIGN POST.



FILE NAME =	USER NAME = #USER#	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND SIGNAGE PLAN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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#MODELNAME#	PLOT DATE = #DATE#	CHECKED - BDH	REVISED -		SCALE: 1"=50'			CONTRACT NO. 60V55				
		DATE - 1/29/2018	REVISED -		SHEET OF SHEETS STA. 121+00.00 TO STA. 151+00.00			ILLINOIS FED. AID PROJECT				

- NOTE:**
- 1) ALL FINAL PAVEMENT MARKING MATERIALS SHALL BE THERMOPLASTIC ON HOT-MIX ASPHALT.
 - 2) SIGNS IN CONCRETE MEDIAN SHALL BE INSTALLED ON TUBULAR TRAFFIC SIGN POST.

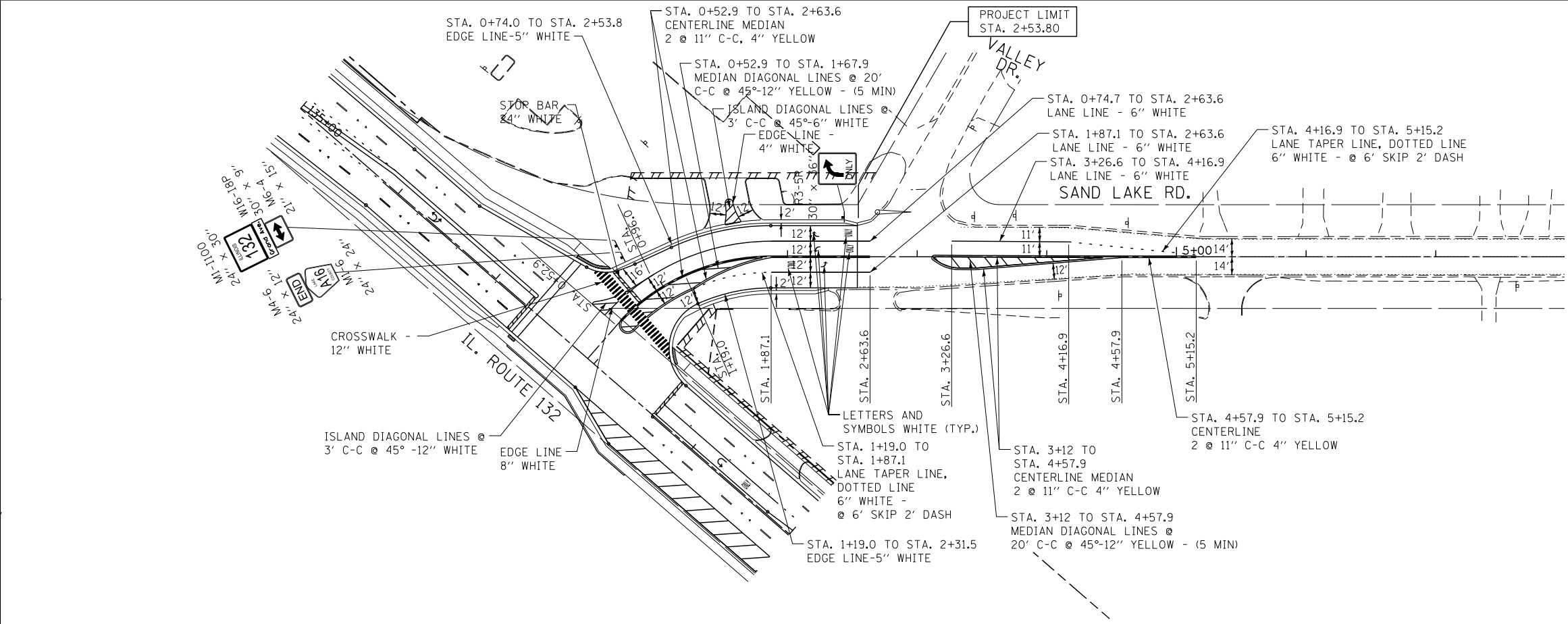
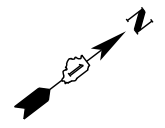
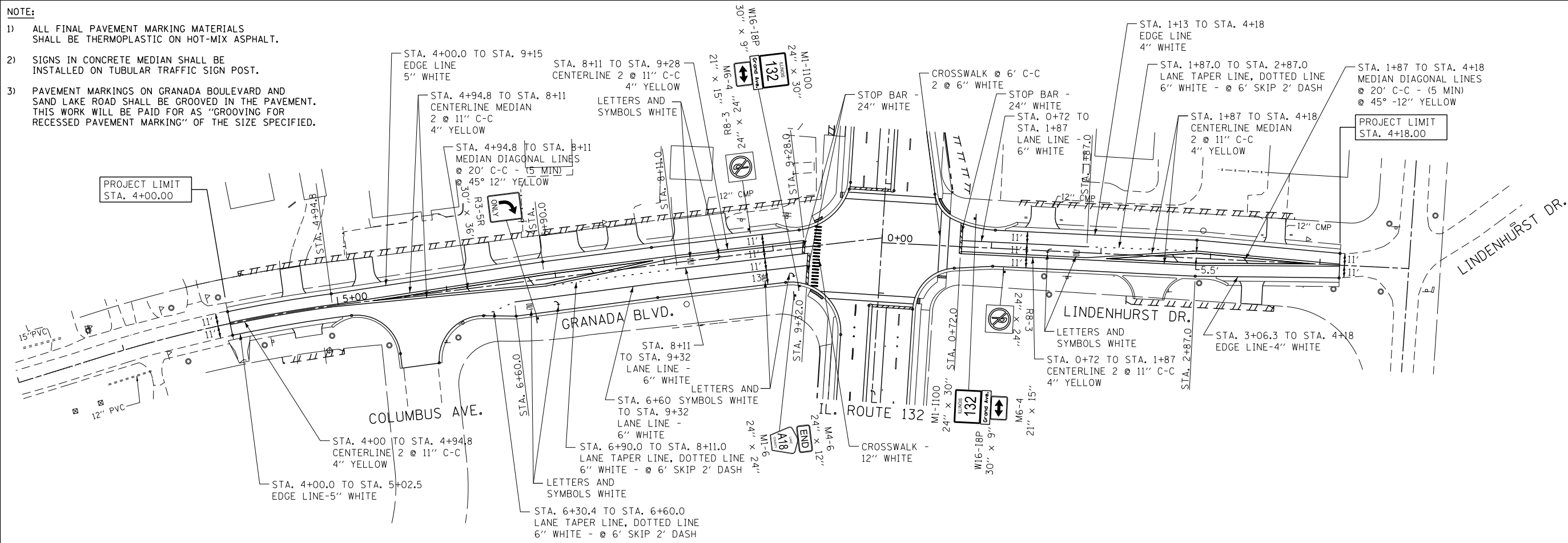


ADDITIONAL MARKING REPLACEMENT DUE TO STAGING REQUIREMENTS:
 STA 172+50 TO STA 176+00
 LANE LINE SKIP DASH, 4" WHITE - 175 FT.
 LANE LINE, 6" WHITE - 116 FT.
 DOTTED LANE LINE, 6" WHITE - 55 FT.
 LEFT TURN ARROW & ONLY, WHITE SYMBOL - 36 SQ. FT.
 CENTER LINE, 4" YELLOW - 1170 FT.
 MEDIAN DIAGONAL, 12" YELLOW - 31 FT.

FILE NAME =	USER NAME = #USER#	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND SIGNAGE PLAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN - BCD	REVISED -			541	A-WRS-2	LAKE	345	190	
PLOT SCALE = #SCALE#		CHECKED - BDH	REVISED -			CONTRACT NO. 60V55					
#MODELNAME#		DATE - 4/28/2017	REVISED -			SCALE: 1"=50'	SHEET	OF	SHEETS	STA. 151+00.00	TO STA. 180+50.00

NOTE:

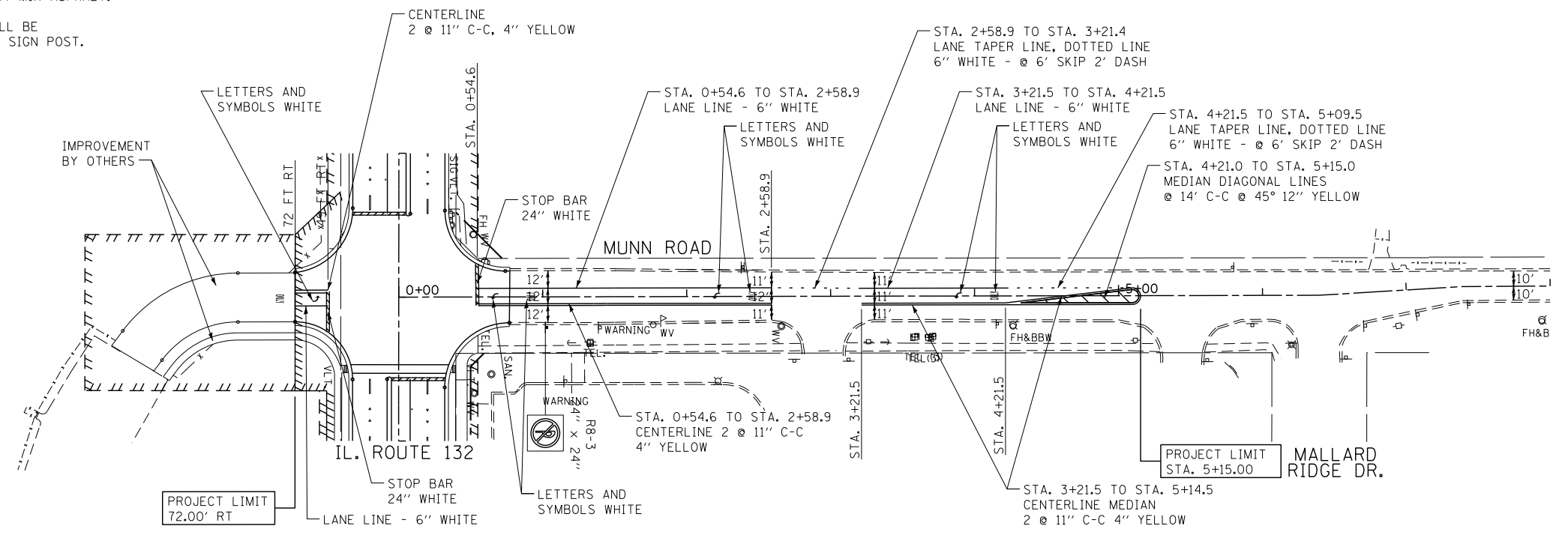
- 1) ALL FINAL PAVEMENT MARKING MATERIALS SHALL BE THERMOPLASTIC ON HOT-MIX ASPHALT.
- 2) SIGNS IN CONCRETE MEDIAN SHALL BE INSTALLED ON TUBULAR TRAFFIC SIGN POST.
- 3) PAVEMENT MARKINGS ON GRANADA BOULEVARD AND SAND LAKE ROAD SHALL BE GROOVED IN THE PAVEMENT. THIS WORK WILL BE PAID FOR AS "GROOVING FOR RECESSED PAVEMENT MARKING" OF THE SIZE SPECIFIED.



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - BLG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND SIGNAGE PLAN				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	CHECKED - BDH	REVISED -						541	A-WRS-2	LAKE	345	191
#MODELNAME#	PLOT DATE = #DATE#	DATE - 4/28/2017	REVISED -	SCALE: 1"=50'	SHEET	OF	SHEETS	STA. NA	TO STA. NA	CONTRACT NO. 60V55			
										ILLINOIS FED. AID PROJECT			



- NOTES:
- 1) ALL FINAL PAVEMENT MARKING MATERIALS SHALL BE THERMOPLASTIC ON HOT-MIX ASPHALT.
 - 2) SIGNS IN CONCRETE MEDIAN SHALL BE INSTALLED ON TUBULAR TRAFFIC SIGN POST.



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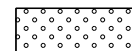
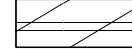


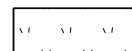

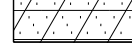
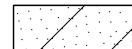
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

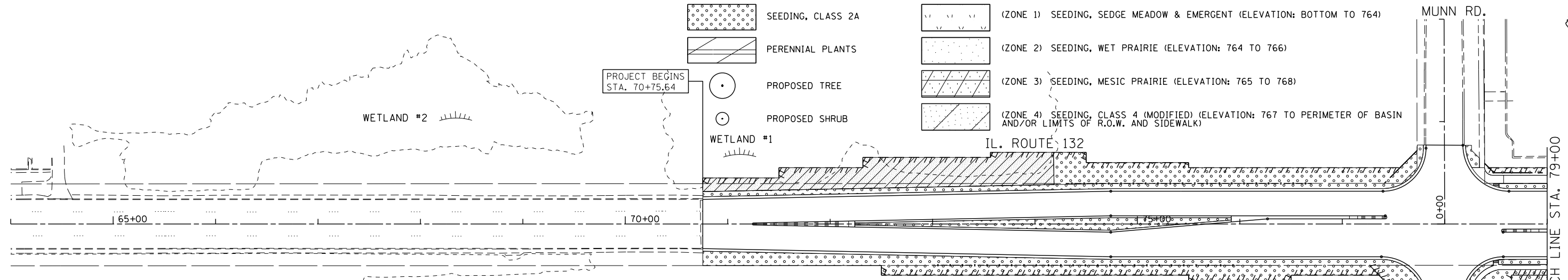
PAVEMENT MARKING AND SIGNAGE PLAN

SCALE: 1"=50' SHEET OF SHEETS STA. 0+00.00 TO STA. 8+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	192
CONTRACT NO. 60V55				
ILLINOIS FED. AID PROJECT				

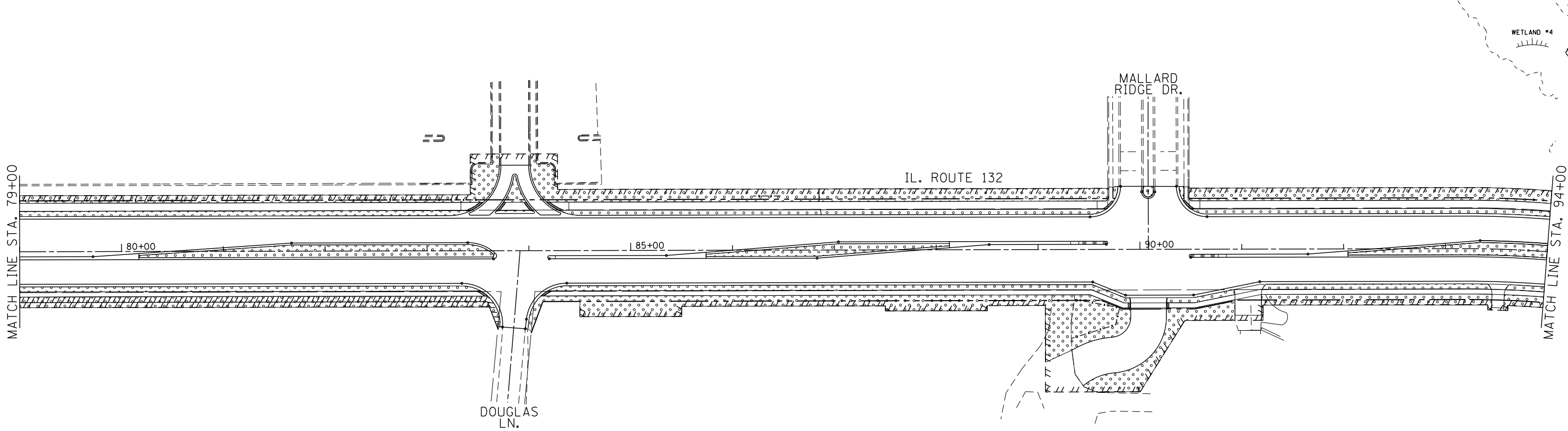
LEGEND

-  SEEDING, CLASS 2A
-  PERENNIAL PLANTS
-  PROPOSED TREE
-  PROPOSED SHRUB
-  (ZONE 1) SEEDING, SEDGE MEADOW & EMERGENT (ELEVATION: BOTTOM TO 764)
-  (ZONE 2) SEEDING, WET PRAIRIE (ELEVATION: 764 TO 766)
-  (ZONE 3) SEEDING, MESIC PRAIRIE (ELEVATION: 765 TO 768)
-  (ZONE 4) SEEDING, CLASS 4 (MODIFIED) (ELEVATION: 767 TO PERIMETER OF BASIN AND/OR LIMITS OF R.O.W. AND SIDEWALK)



GENERAL NOTES

1. THE CONTRACTOR SHALL ERECT A TEMPORARY FENCE AROUND ALL TREES WITHIN THE CONSTRUCTION AREA TO ESTABLISH A "TREE PROTECTION ZONE" BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOBSITE. NO WORK IS TO BE PERFORMED (OTHER THAN ROOT PRUNING), MATERIALS STORED OR VEHICLES DRIVEN OR PARKED WITHIN THE "TREE PROTECTION ZONE". REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.
2. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS WHICH WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
3. TREE ROOT PRUNING IS TO BE USED ON EXISTING TREES TO PREVENT THE RIPPING UP OF ROOTS WHEN TRENCHING OR EXCAVATION IS WITHIN THE ROOT ZONE OF ADJACENT TREES TO REMAIN. SUPPLEMENTAL WATERING OF TREES SHALL BEGIN IMMEDIATELY AFTER ROOT PRUNING OF TREES HAS OCCURRED.
4. ALL TREES SHALL HAVE 5' DIAMETER MULCH RING.
5. THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 4 (MODIFIED) AND VARIOUS NATIVE SEEDING MIXES SHALL BE FROM NOVEMBER 1 TO MAY 31. ALL SEEDING NOT SOWN ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN THE REJECTION OF THE SEEDING AND REPLACEMENT BY THE CONTRACTOR AT HIS/HER EXPENSE.
6. THE ENGINEER WILL CONTACT MELISSA DEL ROSARIO OF THE ROADSIDE DEVELOPMENT UNIT AT (847) 705-4391 AT LEAST 7 DAYS PRIOR TO PLANTING FOR LAYOUT OF THE SEEDING AND PLUGS.
7. PLUGS SHALL BE INSTALLED AT 15" O.C.



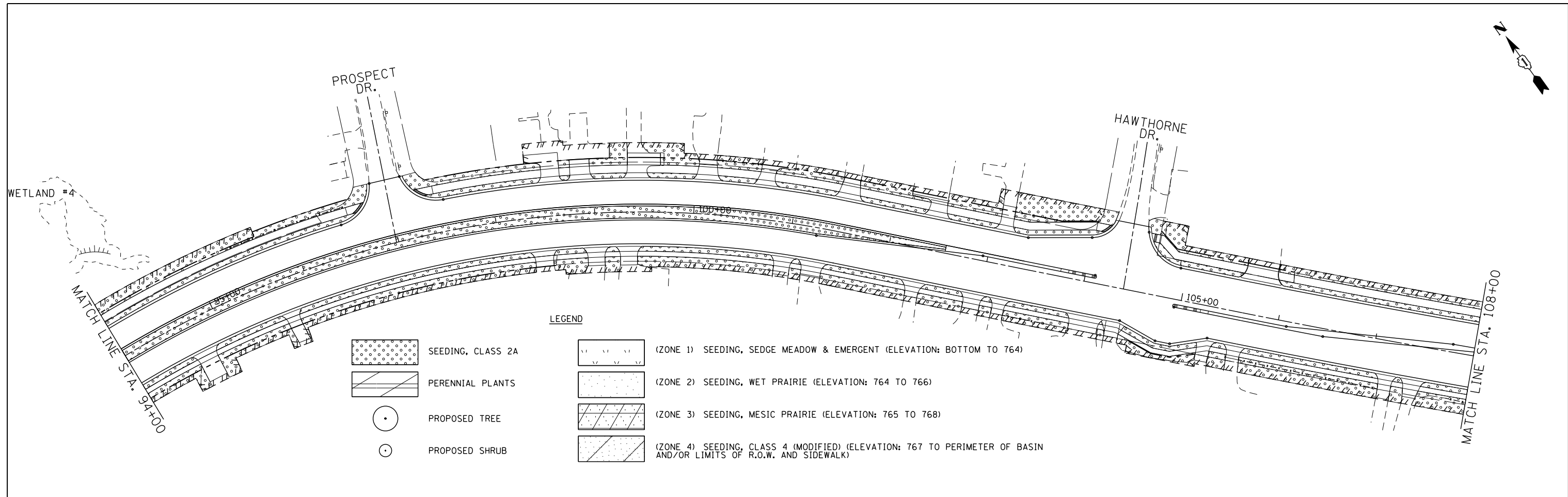
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

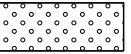
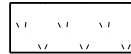

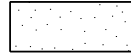



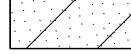
LANDSCAPE PLAN

SCALE: 1" = 50' SHEET OF SHEETS STA. 64+00.00 TO STA. 94+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	193
				CONTRACT NO. 60V55
ILLINOIS FED. AID PROJECT				

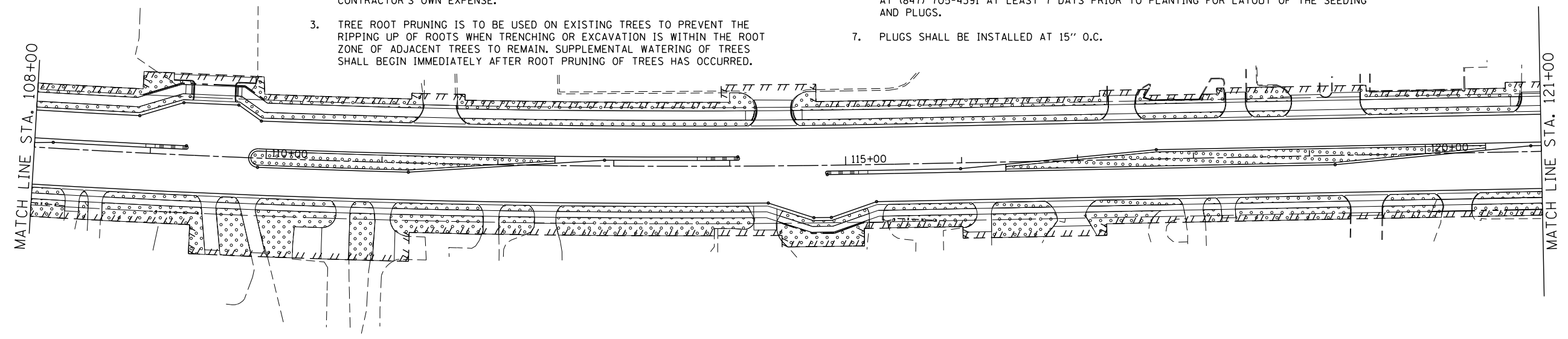


LEGEND

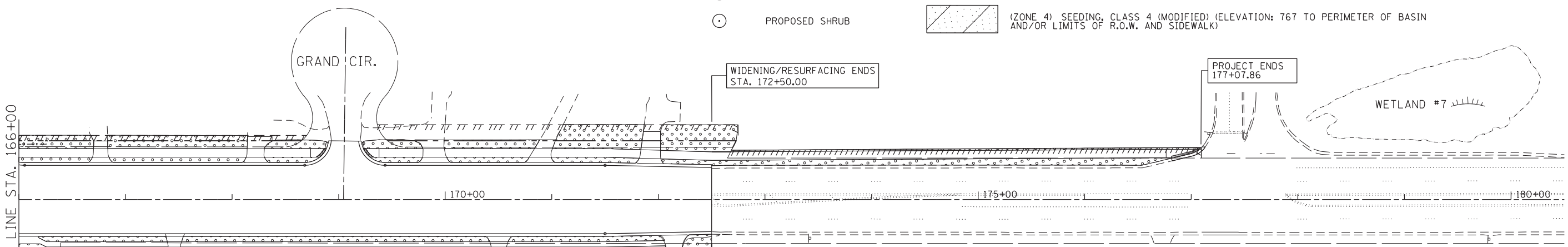
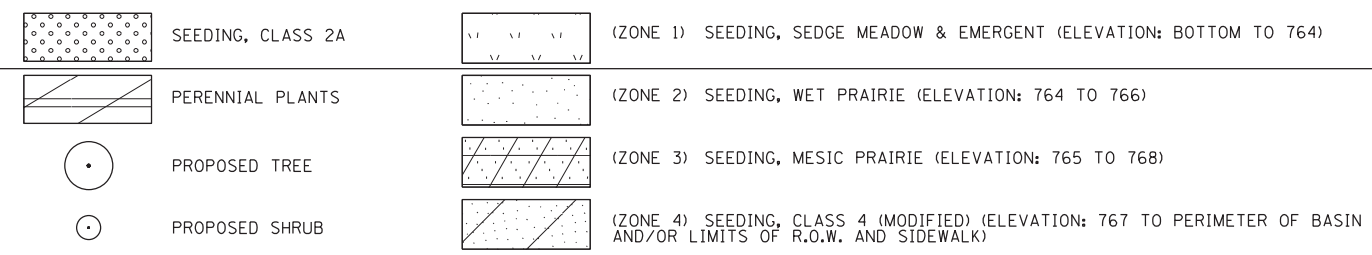
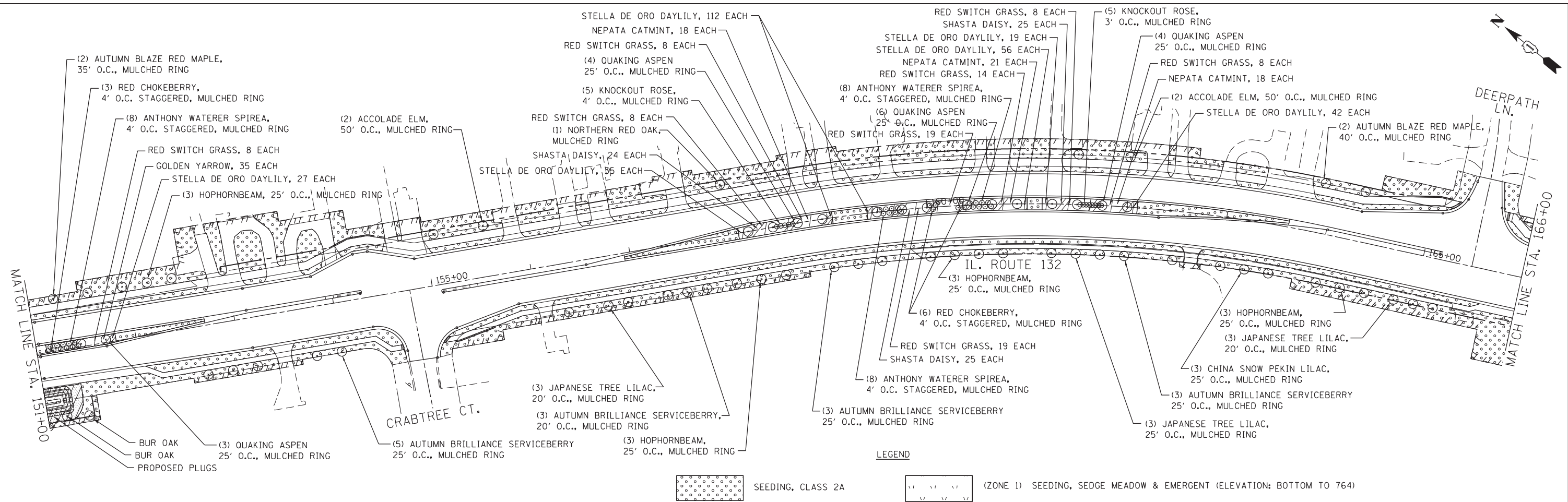
	SEEDING, CLASS 2A		(ZONE 1) SEEDING, SEDGE MEADOW & EMERGENT (ELEVATION: BOTTOM TO 764)
	PERENNIAL PLANTS		(ZONE 2) SEEDING, WET PRAIRIE (ELEVATION: 764 TO 766)
	PROPOSED TREE		(ZONE 3) SEEDING, MESIC PRAIRIE (ELEVATION: 765 TO 768)
	PROPOSED SHRUB		(ZONE 4) SEEDING, CLASS 4 (MODIFIED) (ELEVATION: 767 TO PERIMETER OF BASIN AND/OR LIMITS OF R.O.W. AND SIDEWALK)

GENERAL NOTES

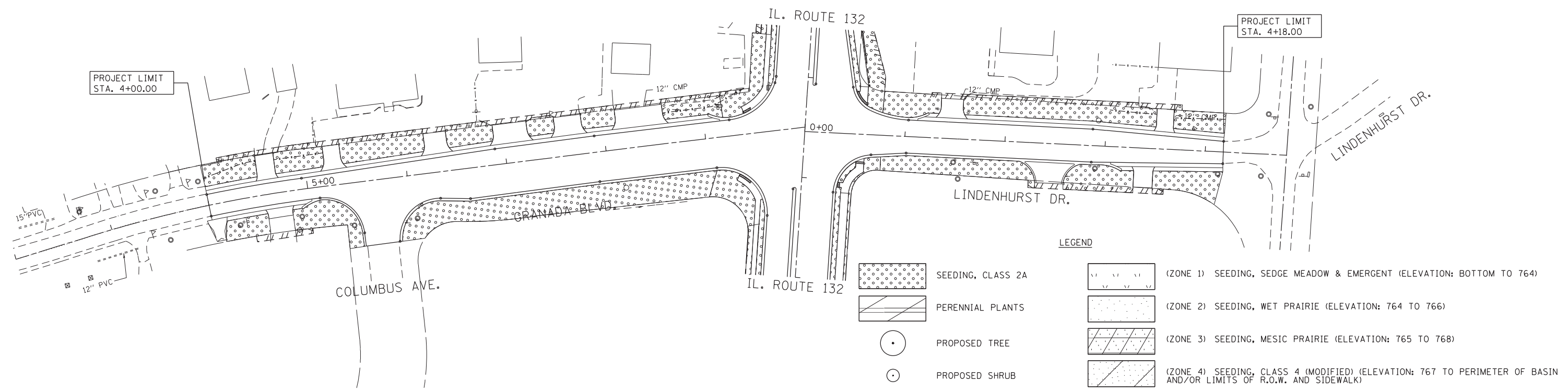
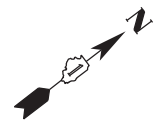
1. THE CONTRACTOR SHALL ERECT A TEMPORARY FENCE AROUND ALL TREES WITHIN THE CONSTRUCTION AREA TO ESTABLISH A "TREE PROTECTION ZONE" BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOBSITE. NO WORK IS TO BE PERFORMED (OTHER THAN ROOT PRUNING), MATERIALS STORED OR VEHICLES DRIVEN OR PARKED WITHIN THE "TREE PROTECTION ZONE". REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.
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4. ALL TREES SHALL HAVE 5' DIAMETER MULCH RING.
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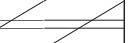


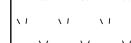



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\$FILEL\$		DRAWN - TLA	REVISED -		541	A-WRS-2	LAKE	345	194			
\$MODELNAME\$		CHECKED - BLG	REVISED -		CONTRACT NO. 60V55							
		DATE - 4/28/2017	REVISED -		SCALE: 1"=50'	SHEET	OF	SHEETS	STA. 94+00.00	TO	STA. 121+00.00	ILLINOIS FED. AID PROJECT

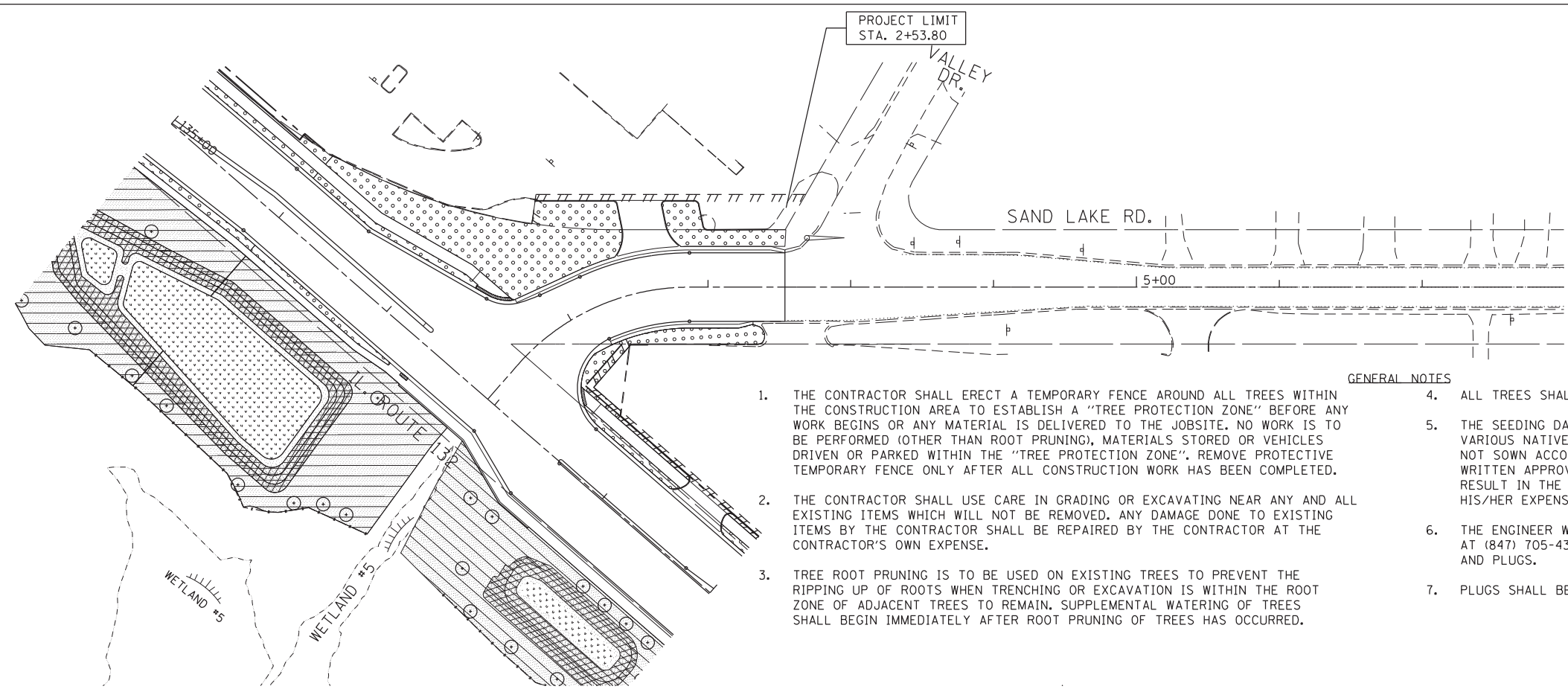


- GENERAL NOTES**
1. THE CONTRACTOR SHALL ERECT A TEMPORARY FENCE AROUND ALL TREES WITHIN THE CONSTRUCTION AREA TO ESTABLISH A "TREE PROTECTION ZONE" BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOBSITE. NO WORK IS TO BE PERFORMED (OTHER THAN ROOT PRUNING), MATERIALS STORED OR VEHICLES DRIVEN OR PARKED WITHIN THE "TREE PROTECTION ZONE". REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.
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 3. TREE ROOT PRUNING IS TO BE USED ON EXISTING TREES TO PREVENT THE RIPPING UP OF ROOTS WHEN TRENCHING OR EXCAVATION IS WITHIN THE ROOT ZONE OF ADJACENT TREES TO REMAIN. SUPPLEMENTAL WATERING OF TREES SHALL BEGIN IMMEDIATELY AFTER ROOT PRUNING OF TREES HAS OCCURRED.
 4. ALL TREES SHALL HAVE 5' DIAMETER MULCH RING.
 5. THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 4 (MODIFIED) AND VARIOUS NATIVE SEEDING MIXES SHALL BE FROM NOVEMBER 1 TO MAY 31. ALL SEEDING NOT SOWN ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN THE REJECTION OF THE SEEDING AND REPLACEMENT BY THE CONTRACTOR AT HIS/HER EXPENSE.
 6. THE ENGINEER WILL CONTACT MELISSA DEL ROSARIO OF THE ROADSIDE DEVELOPMENT UNIT AT (847) 705-4391 AT LEAST 7 DAYS PRIOR TO PLANTING FOR LAYOUT OF THE SEEDING AND PLUGS.
 7. PLUGS SHALL BE INSTALLED AT 15" O.C.



LEGEND

-  SEEDING, CLASS 2A
-  PERENNIAL PLANTS
-  PROPOSED TREE
-  PROPOSED SHRUB
-  (ZONE 1) SEEDING, SEDGE MEADOW & EMERGENT (ELEVATION: BOTTOM TO 764)
-  (ZONE 2) SEEDING, WET PRAIRIE (ELEVATION: 764 TO 766)
-  (ZONE 3) SEEDING, MESIC PRAIRIE (ELEVATION: 765 TO 768)
-  (ZONE 4) SEEDING, CLASS 4 (MODIFIED) (ELEVATION: 767 TO PERIMETER OF BASIN AND/OR LIMITS OF R.O.W. AND SIDEWALK)

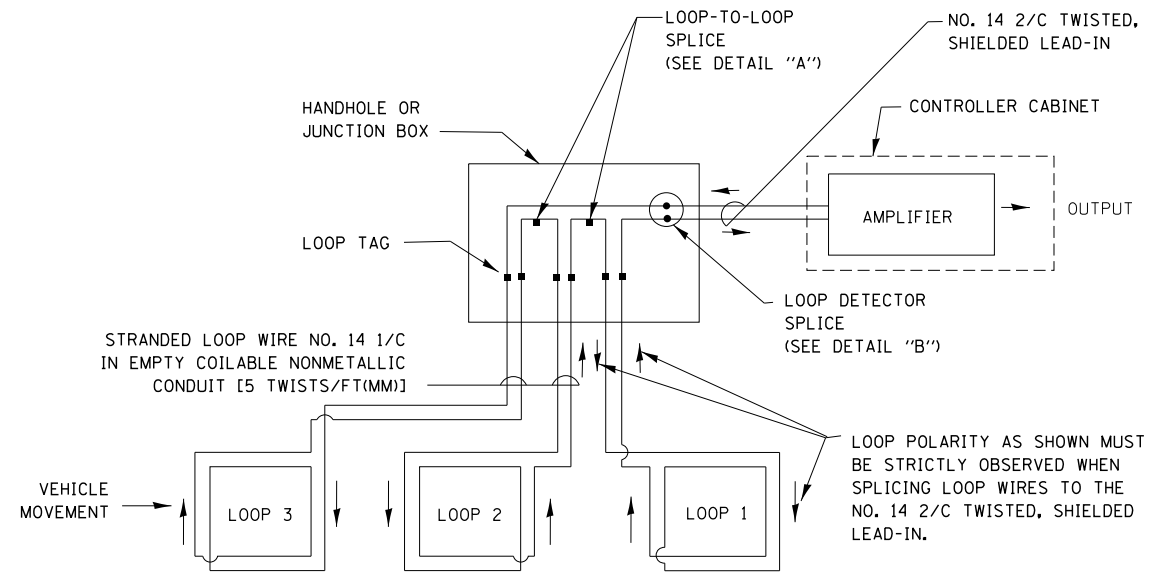


- GENERAL NOTES**
1. THE CONTRACTOR SHALL ERECT A TEMPORARY FENCE AROUND ALL TREES WITHIN THE CONSTRUCTION AREA TO ESTABLISH A "TREE PROTECTION ZONE" BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOBSITE. NO WORK IS TO BE PERFORMED (OTHER THAN ROOT PRUNING), MATERIALS STORED OR VEHICLES DRIVEN OR PARKED WITHIN THE "TREE PROTECTION ZONE". REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.
 2. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS WHICH WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
 3. TREE ROOT PRUNING IS TO BE USED ON EXISTING TREES TO PREVENT THE RIPPING UP OF ROOTS WHEN TRENCHING OR EXCAVATION IS WITHIN THE ROOT ZONE OF ADJACENT TREES TO REMAIN. SUPPLEMENTAL WATERING OF TREES SHALL BEGIN IMMEDIATELY AFTER ROOT PRUNING OF TREES HAS OCCURRED.
 4. ALL TREES SHALL HAVE 5' DIAMETER MULCH RING.
 5. THE SEEDING DATES FOR BARE EARTH SEEDING OF MIXTURE CLASS 4 (MODIFIED) AND VARIOUS NATIVE SEEDING MIXES SHALL BE FROM NOVEMBER 1 TO MAY 31. ALL SEEDING NOT SOWN ACCORDING TO THE SPECIFIED SEASONAL DATE SHALL REQUIRE PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO SECURE SUCH APPROVAL SHALL RESULT IN THE REJECTION OF THE SEEDING AND REPLACEMENT BY THE CONTRACTOR AT HIS/HER EXPENSE.
 6. THE ENGINEER WILL CONTACT MELISSA DEL ROSARIO OF THE ROADSIDE DEVELOPMENT UNIT AT (847) 705-4391 AT LEAST 7 DAYS PRIOR TO PLANTING FOR LAYOUT OF THE SEEDING AND PLUGS.
 7. PLUGS SHALL BE INSTALLED AT 15" O.C.

FILE NAME =	USER NAME = #USER#	DESIGNED -	BLG	REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LANDSCAPE PLAN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
#FILE#		DRAWN -	TLA	REVISED -			SCALE: 1"=50'	SHEET	OF	SHEETS	STA. NA	TO STA. NA	541	A-WRS-2	LAKE	345	197
#MODELNAME#	PLOT SCALE = #SCALE#	CHECKED -	BLG	REVISED -									CONTRACT NO. 60V55				
	PLOT DATE = #DATE#	DATE -	1/29/2018	REVISED -									ILLINOIS FED. AID PROJECT				

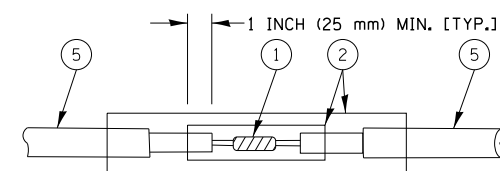
LOOP DETECTOR NOTES

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

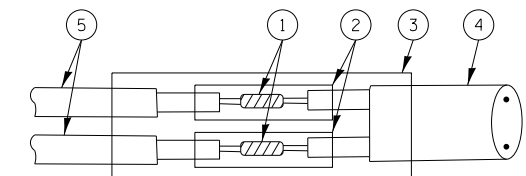


DETECTOR LOOP WIRING SCHEMATIC

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

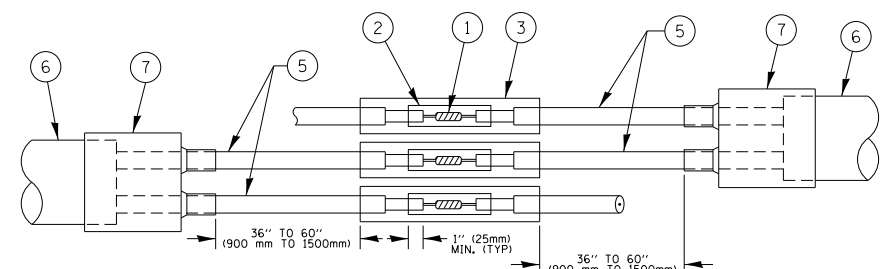


DETAIL "A"
LOOP-TO-LOOP SPLICE

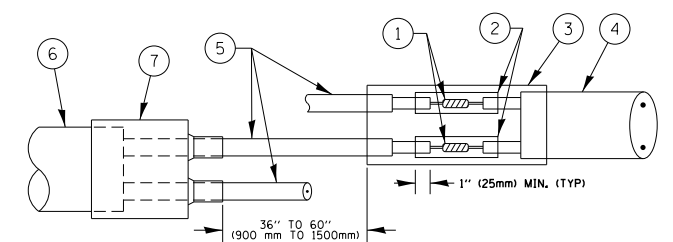


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

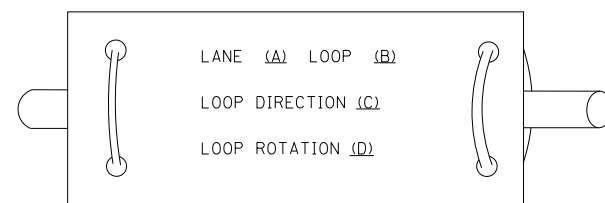


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PRE-FORMED LOOP

LOOP DETECTOR SPLICE

LOOP LEAD-IN CABLE TAG



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

- ① WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- ② WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- ③ WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- ④ NO. 14 2/C TWISTED, SHIELDED CABLE.

- ⑤ LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- ⑥ PRE-FORMED LOOP
- ⑦ XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

FILE NAME =	USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14
ca:\pw\work\p\dot\footemj\d0108315\ts05.pgn		DRAWN - BCK	REVISED -
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	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -

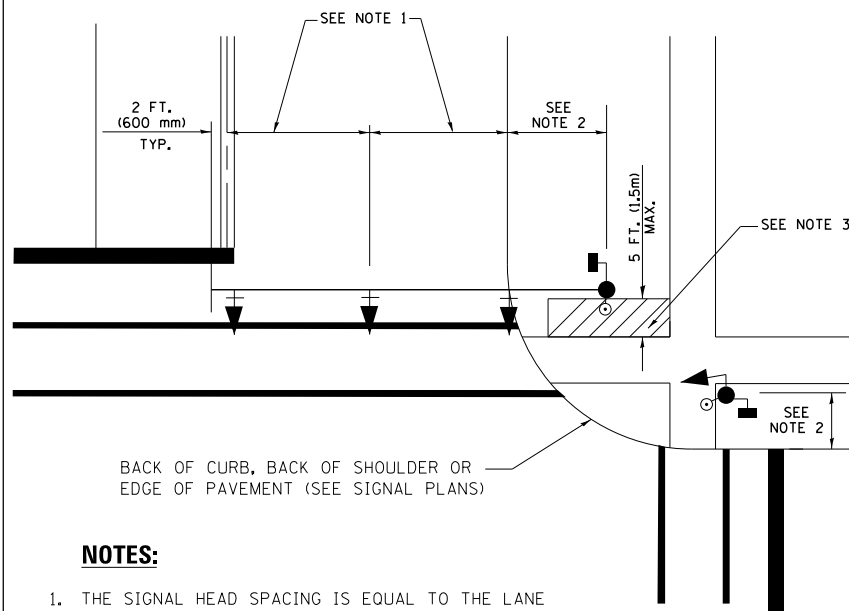
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET NO. 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	A-WRS-2	LAKE	345	199
TS-05		CONTRACT NO. 60V55		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

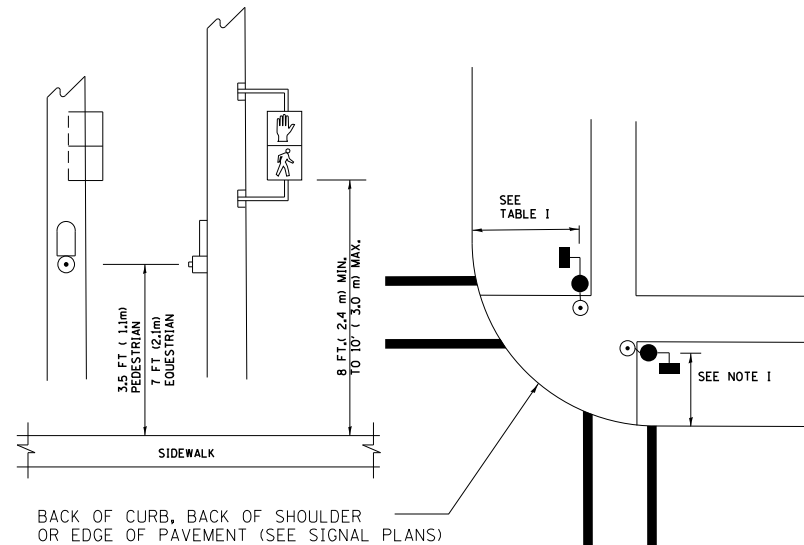
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



NOTES:

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

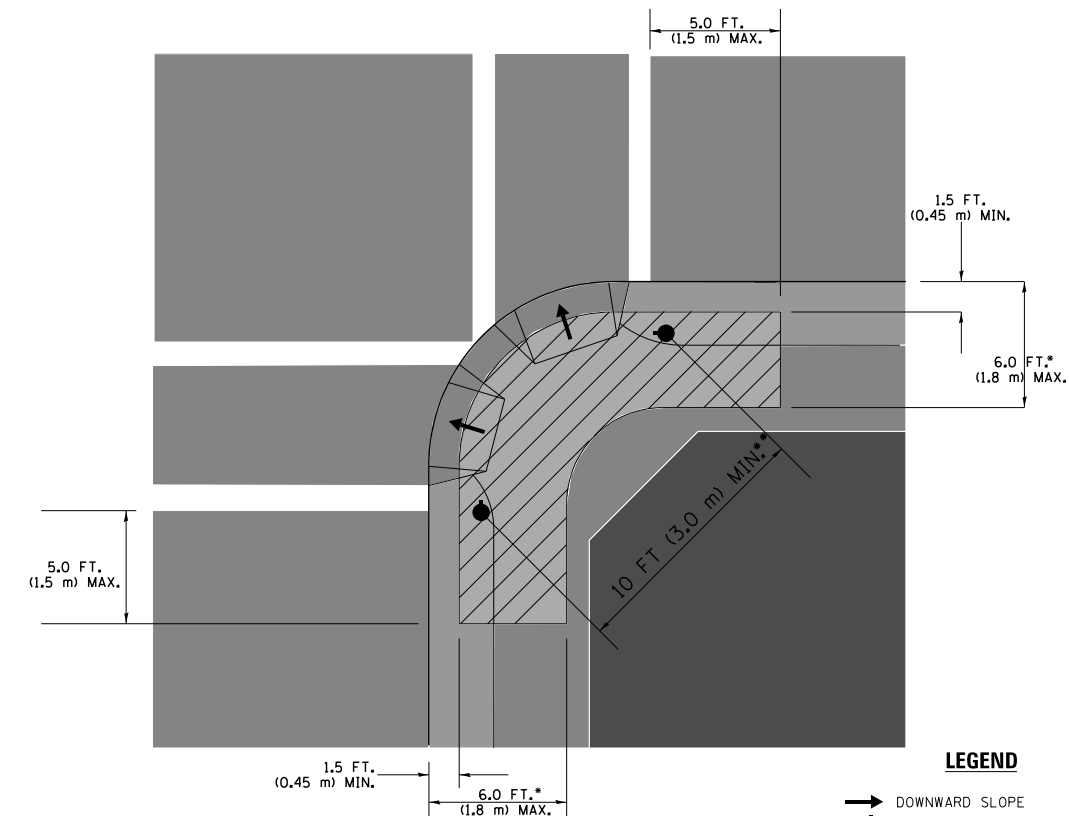
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

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

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.