








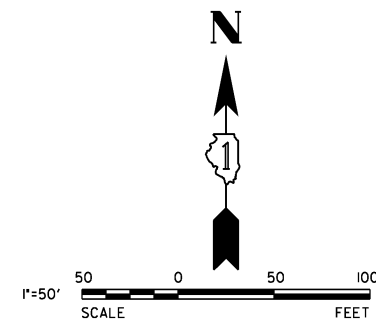
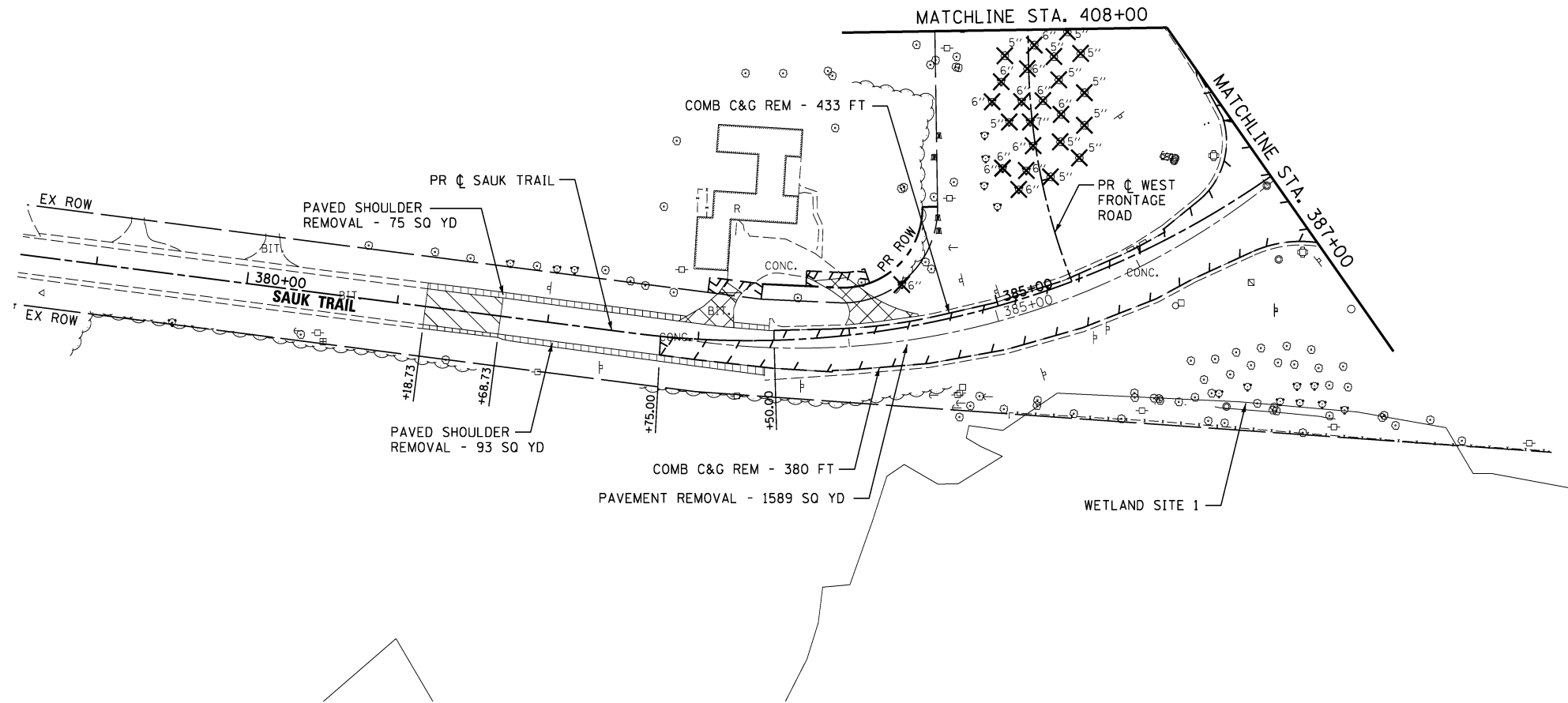


- LEGEND**
-  PAVEMENT REMOVAL LIMITS
  -  DRIVEWAY PAVEMENT REMOVAL
  -  HMA SURFACE REMOVAL - BUTT JOINT
  -  MEDIAN REMOVAL
  -  MEDIAN SURFACE REMOVAL
  -  SIDEWALK REMOVAL
  -  PAVED SHOULDER REMOVAL
  -  TREE REMOVAL SIZE  
TREE REMOVAL
  -  FENCE / RETAINING WALL REMOVAL



- NOTES:**
1. SEE SIGN PLANS FOR SIGN REMOVALS.
  2. SEE TRAFFIC SIGNAL PLANS FOR TRAFFIC SIGNAL REMOVALS.
  3. THE CONTRACTOR SHALL PROTECT AND RELOCATE EXISTING MAILBOXES WHICH INTERFERE WITH THE WORK IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT THE POST OFFICE TO COORDINATE MAILBOX RELOCATION.



V3 Companies  
7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
630.724.9202 fax  
www.v3co.com

USER NAME = hshh  
DESIGNED - DTE  
DRAWN - DRP  
CHECKED - VJD  
DATE - 08/14/2013

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SAUK TRAIL REMOVAL PLANS - ROADWAY  
STATION 378+50 TO STATION 387+00**

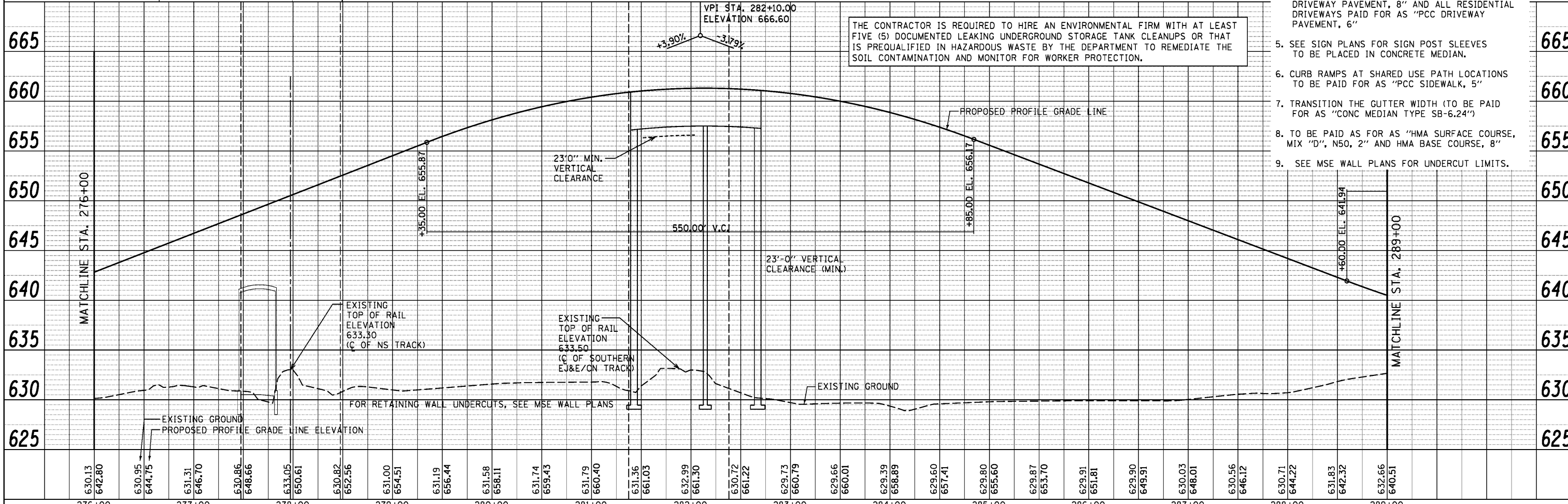
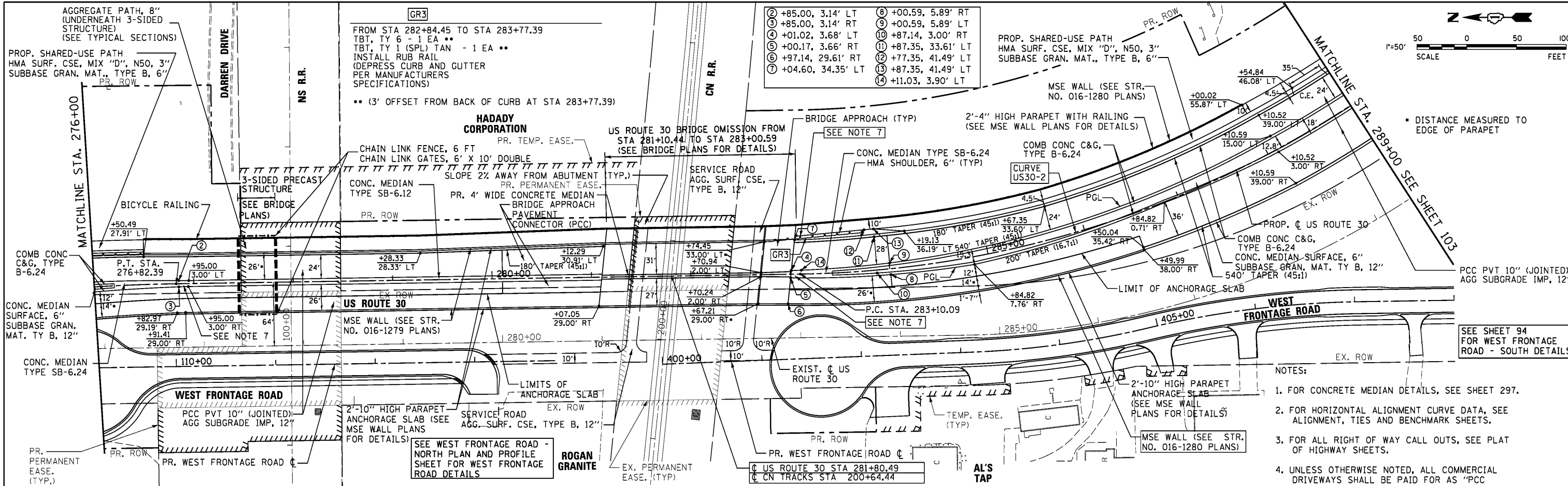
SCALE: 1" = 50' SHEET NO. 3 OF 3 SHEETS STA. 378+50 TO STA. 387+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	101
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				



PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	NOTED	
	FILED	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	NOTED	
	FILED	



630.13	642.80	630.95	644.75	631.31	646.70	630.85	648.66	633.05	650.61	630.82	652.56	631.00	654.51	631.19	656.44	631.58	658.11	631.74	659.43	631.79	660.40	631.36	661.03	632.99	661.30	630.72	661.22	629.73	660.79	629.66	660.01	629.39	658.89	629.60	657.41	629.80	655.60	629.87	653.70	629.91	651.81	629.90	649.91	630.03	648.01	630.56	646.12	630.71	644.22	631.83	642.32	632.66	640.51
276+00	277+00	278+00	279+00	280+00	281+00	282+00	283+00	284+00	285+00	286+00	287+00	288+00	289+00																																								

V3 Companies  
7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
630.724.9202 fax  
www.v3co.com

USER NAME = dsherman  
PLOT SCALE = 50'  
PLOT DATE = 2/21/2014

DESIGNED - DTE  
DRAWN - DRP  
CHECKED - VJD  
DATE - 02/21/2014

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

US ROUTE 30 PLAN AND PROFILE  
STATION 276+00 TO STATION 289+00  
SCALE: 1" = 50'  
SHEET NO. 2 OF 7 SHEETS  
STA. 276+00 TO STA. 289+00

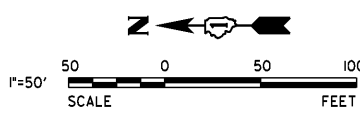
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	103
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				

- NOTES:
- FOR CONCRETE MEDIAN DETAILS, SEE SHEET 297.
  - FOR HORIZONTAL ALIGNMENT CURVE DATA, SEE ALIGNMENT, TIES AND BENCHMARK SHEETS.
  - FOR ALL RIGHT OF WAY CALL OUTS, SEE PLAT OF HIGHWAY SHEETS.
  - UNLESS OTHERWISE NOTED, ALL COMMERCIAL DRIVEWAYS SHALL BE PAID FOR AS "PCC DRIVEWAY PAVEMENT, 8" AND ALL RESIDENTIAL DRIVEWAYS PAID FOR AS "PCC DRIVEWAY PAVEMENT, 6"
  - SEE SIGN PLANS FOR SIGN POST SLEEVES TO BE PLACED IN CONCRETE MEDIAN.
  - CURB RAMPS AT SHARED USE PATH LOCATIONS TO BE PAID FOR AS "PCC SIDEWALK, 5"
  - TRANSITION THE GUTTER WIDTH (TO BE PAID FOR AS "CONC MEDIAN TYPE SB-6.24")
  - TO BE PAID AS FOR AS "HMA SURFACE COURSE, MIX "D", N50, 2" AND HMA BASE COURSE, 8"
  - SEE MSE WALL PLANS FOR UNDERCUT LIMITS.

THE CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK CLEANUPS OR THAT IS PREQUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.

DISTANCE MEASURED TO EDGE OF PARAPET

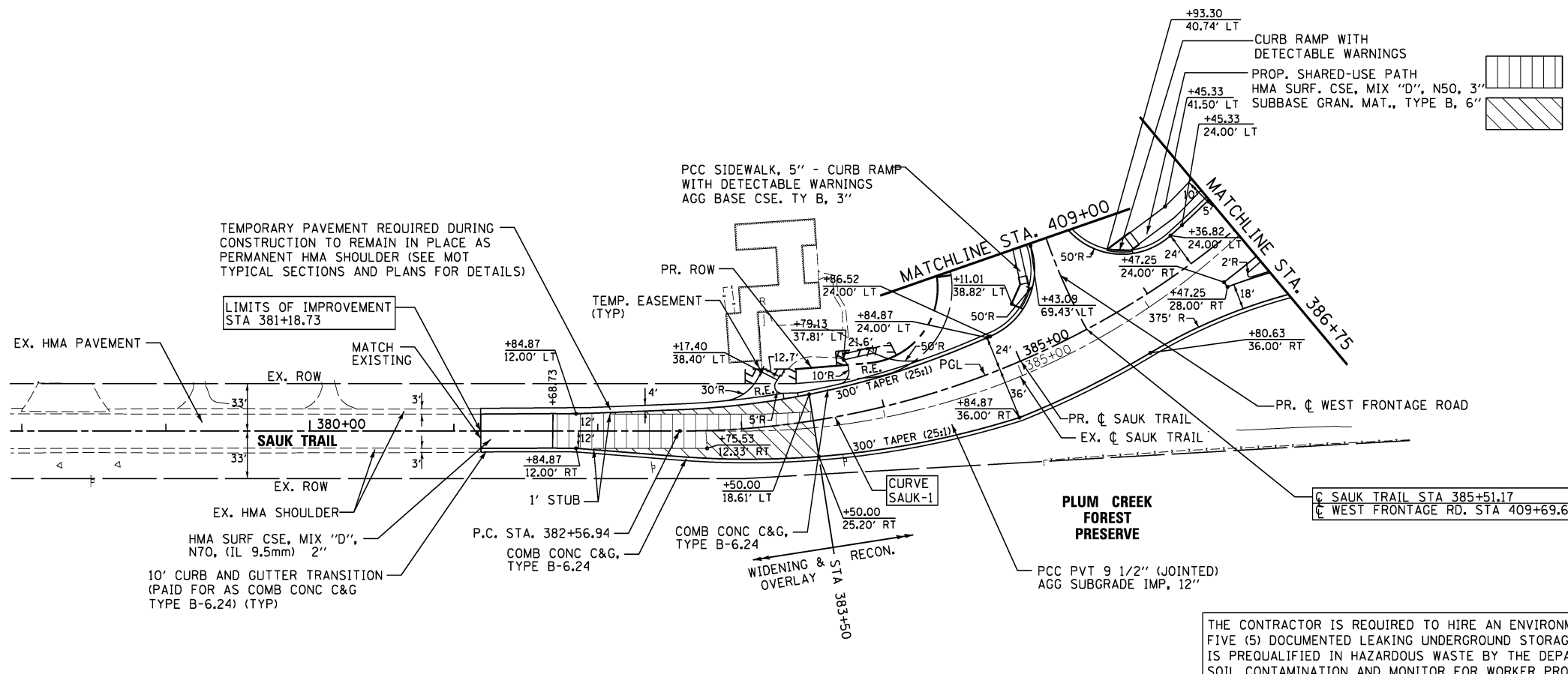
SEE SHEET 94 FOR WEST FRONTAGE ROAD - SOUTH DETAILS





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

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
NOTE BOOK NO.	NOTATIONS	



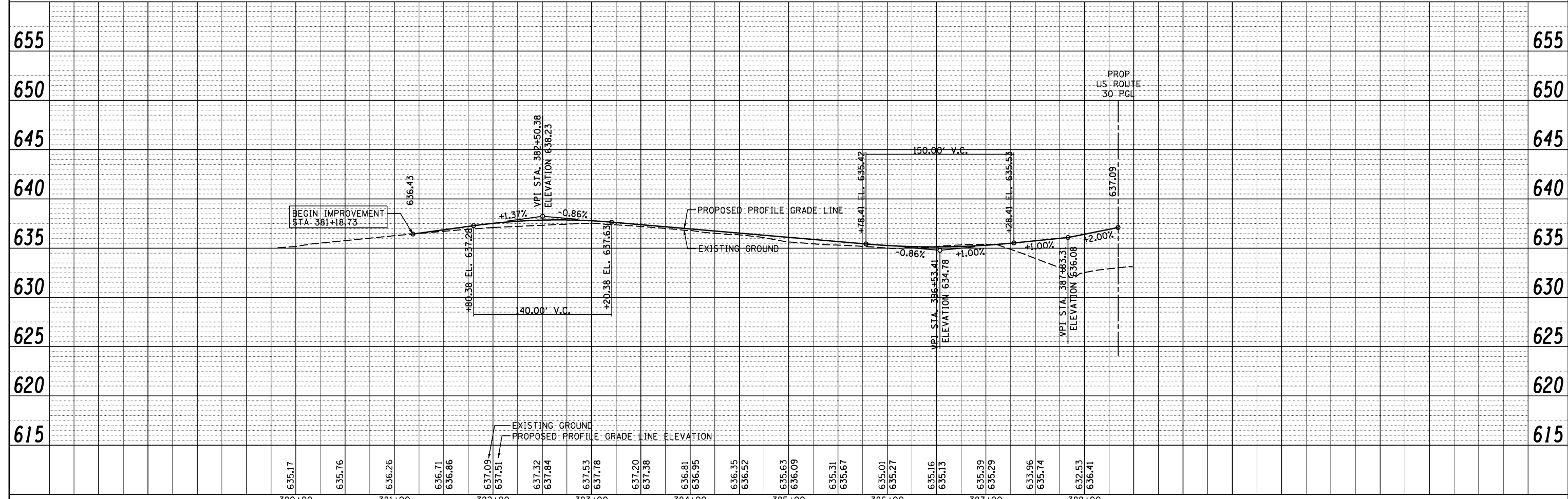
**LEGEND**

	HMA SURF CSE, MIX "D", N70 (IL 9.5mm) 2"
	HMA BIND. CSE, IL-19.0, N70 VAR. DEPTH
	HMA SURF CSE, MIX "D", N70 (IL 9.5mm) 2"
	HMA BIND. CSE, IL-19.0, N70 VAR. DEPTH
	PCC BASE CSE, 10" (WIDENING > 6')
	PCC BASE CSE WIDENING, 10" (WIDENING < 6')
	AGG SUBGRADE IMP, 12"
	STRIP REFLECTIVE CRACK CONTROL

1"=50'  
SCALE  
50 0 50 100  
FEET

- NOTES:**
- FOR CONCRETE MEDIAN DETAILS, SEE SHEET 297.
  - FOR HORIZONTAL ALIGNMENT CURVE DATA, SEE ALIGNMENT, TIES AND BENCHMARK SHEETS.
  - FOR ALL RIGHT OF WAY CALL OUTS, SEE PLAT OF HIGHWAY SHEETS.
  - UNLESS OTHERWISE NOTED, ALL COMMERCIAL DRIVEWAYS SHALL BE PAID FOR AS "PCC DRIVEWAY PAVEMENT, 8" AND ALL RESIDENTIAL DRIVEWAYS PAID FOR AS "PCC DRIVEWAY PAVEMENT, 6"
  - CURB RAMPS AT SHARED USE PATH LOCATIONS TO BE PAID FOR AS "PCC SIDEWALK, 5" AND "AGGREGATE BASE COURSE, TYPE B, 3"

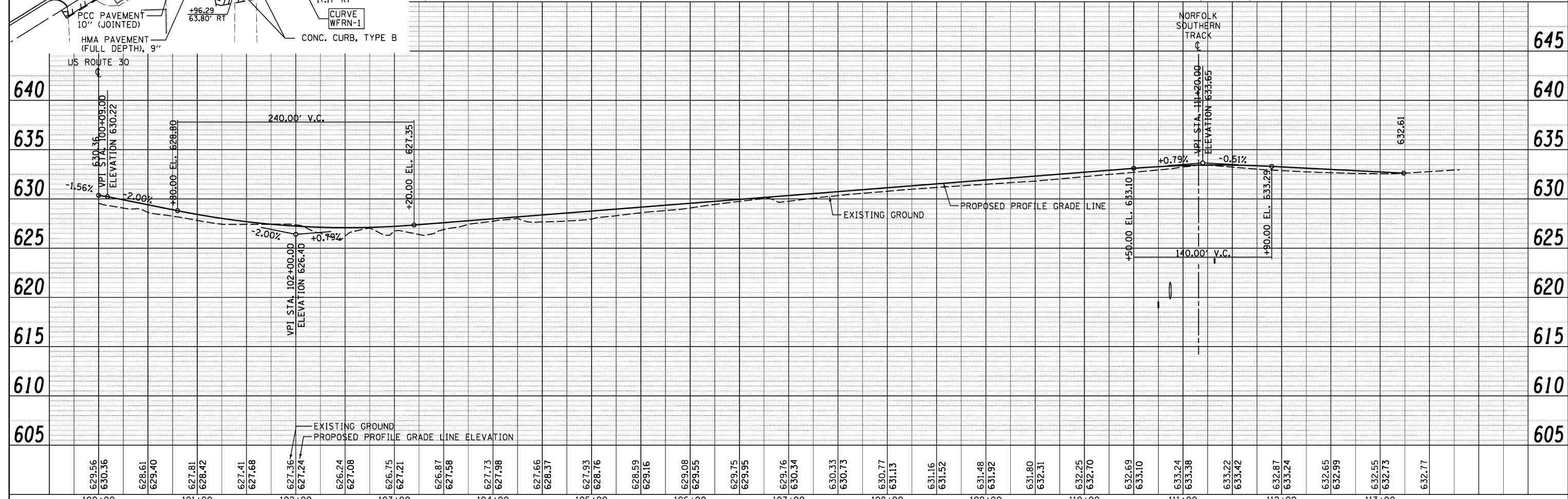
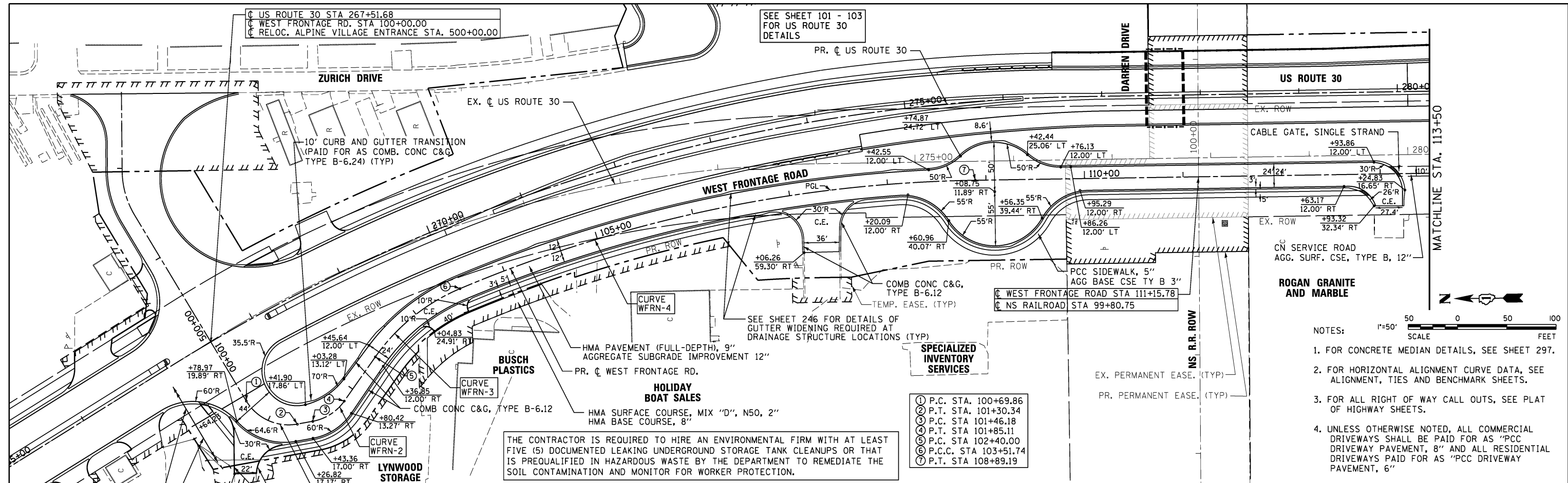
THE CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK CLEANUPS OR THAT IS PREQUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.



V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	USER NAME = hshh DESIGNED - DTE DRAWN - DRP CHECKED - VJD DATE - 08/14/2013	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SAUK TRAIL PLAN AND PROFILE</b> <b>STATION 380+00 TO STATION 386+75</b>	F.A.P. RTE. 353 SECTION 11-Y-A COUNTY COOK TOTAL SHEETS 354 SHEET NO. 105 CONTRACT NO. 60R19
	PLOT SCALE = 50.0000' / 1" PLOT DATE = 8/21/2013	SCALE: 1" = 50' SHEET NO. 4 OF 7 SHEETS STA. 380+00 TO STA. 387+00			ILLINOIS FED. AID PROJECT

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CARD FILE NAME	

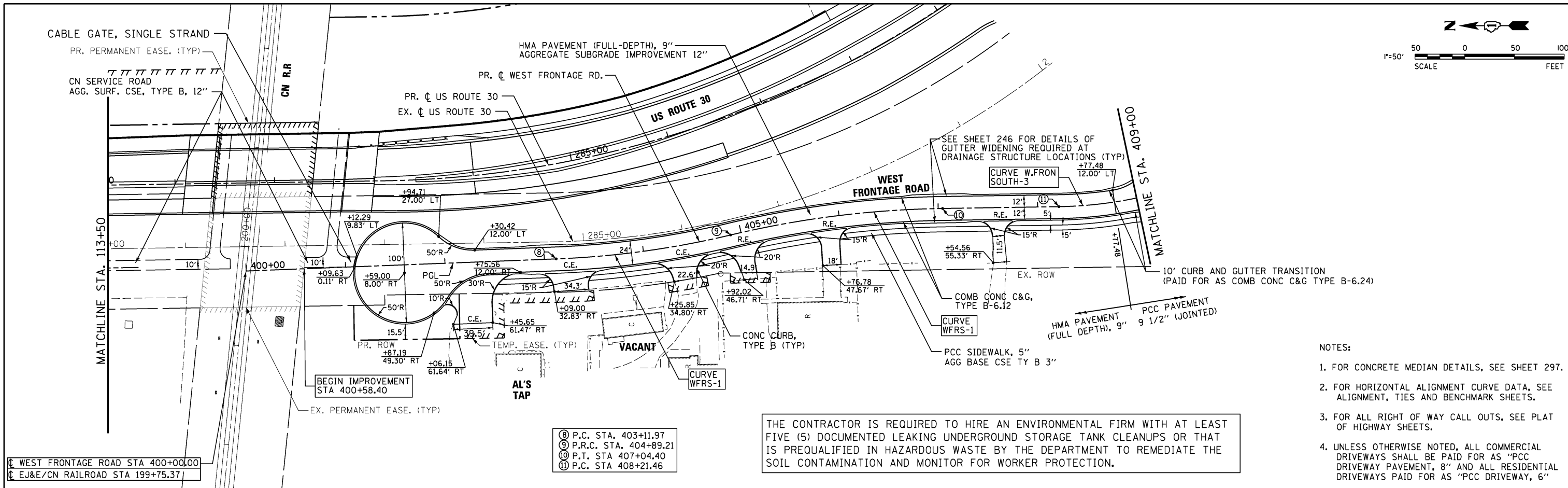
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CARD FILE NAME	



V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	USER NAME = dsherman PLOT SCALE = 5/8" PLOT DATE = 3/27/2014	DESIGNED - DTE DRAWN - DRP CHECKED - VJD DATE - 03/28/2014	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>WEST FRONTAGE ROAD - NORTH PLAN AND PROFILE</b> <b>STATION 100+00 TO STATION 113+75.52</b>	SCALE: 1" = 50' SHEET NO. 5 OF 7 SHEETS STA. 100+00 TO STA. 113+75.52	F.A.P. RTE. 353 SECTION 11-Y-A COUNTY COOK TOTAL SHEETS 354 SHEET NO. 106 CONTRACT NO. 60R19	ILLINOIS FED. AID PROJECT
--------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------	---------------------------------------------------------------------	--------------------------------------------------	-----------------------------------------------------------------	--------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------	---------------------------

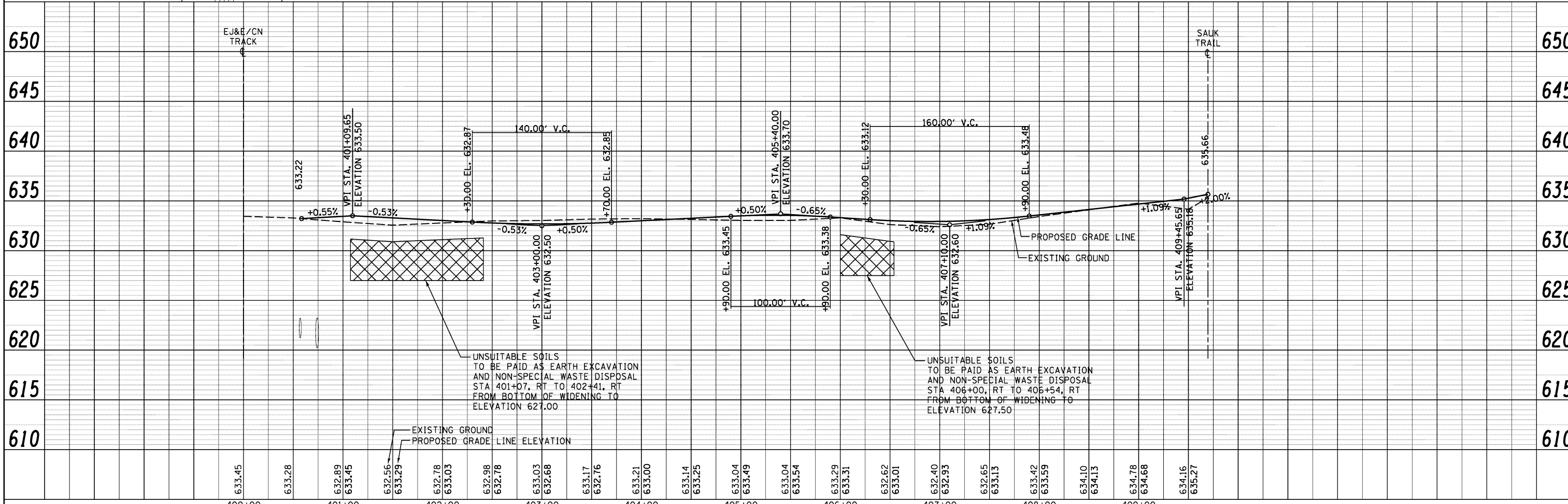
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CHECKED		
	ALIGNMENT		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CHECKED		
	ALIGNMENT		
	FILE NAME		

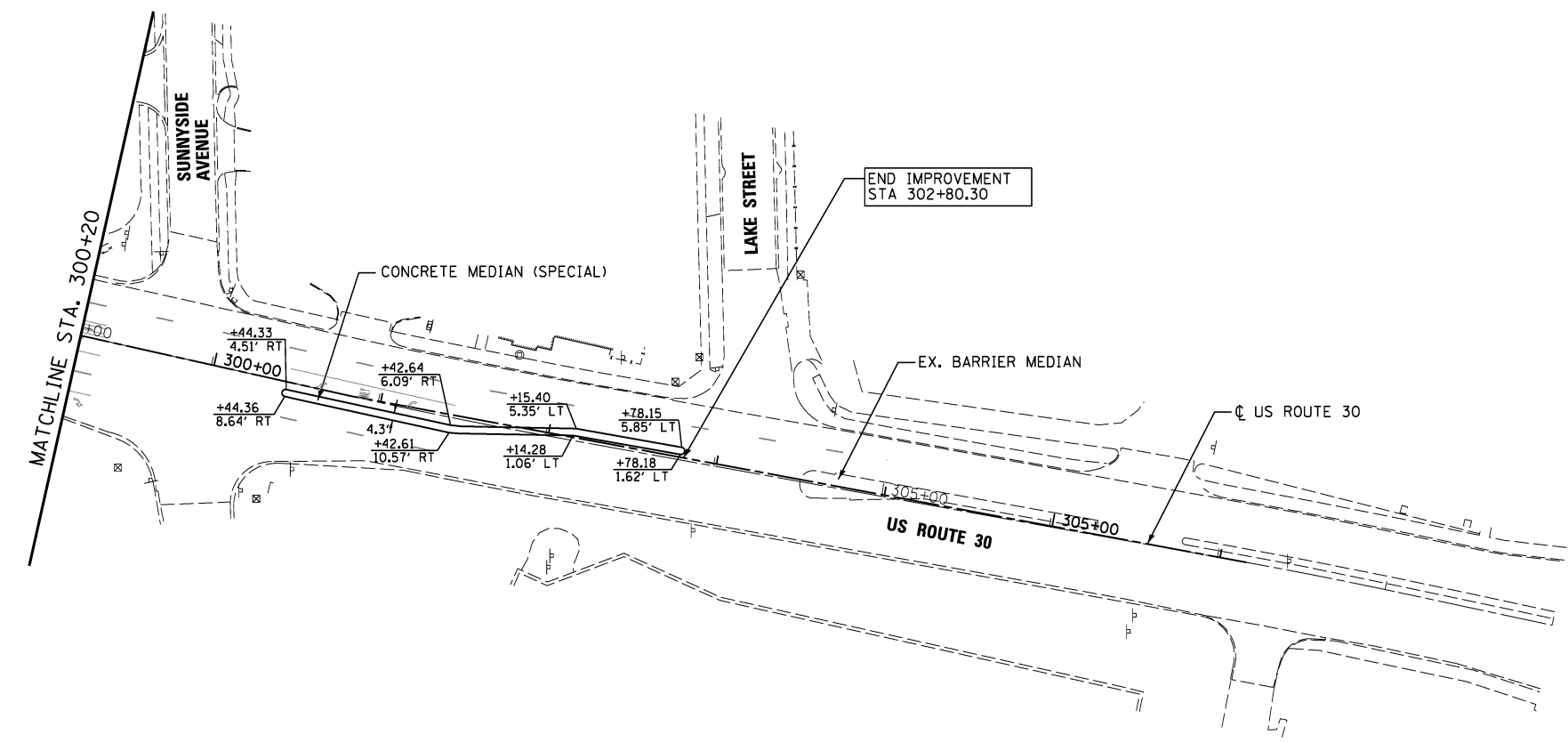
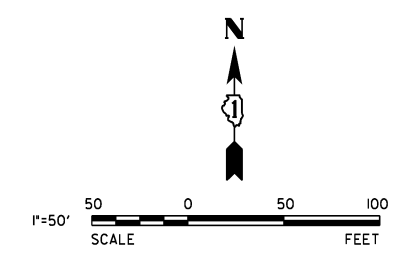
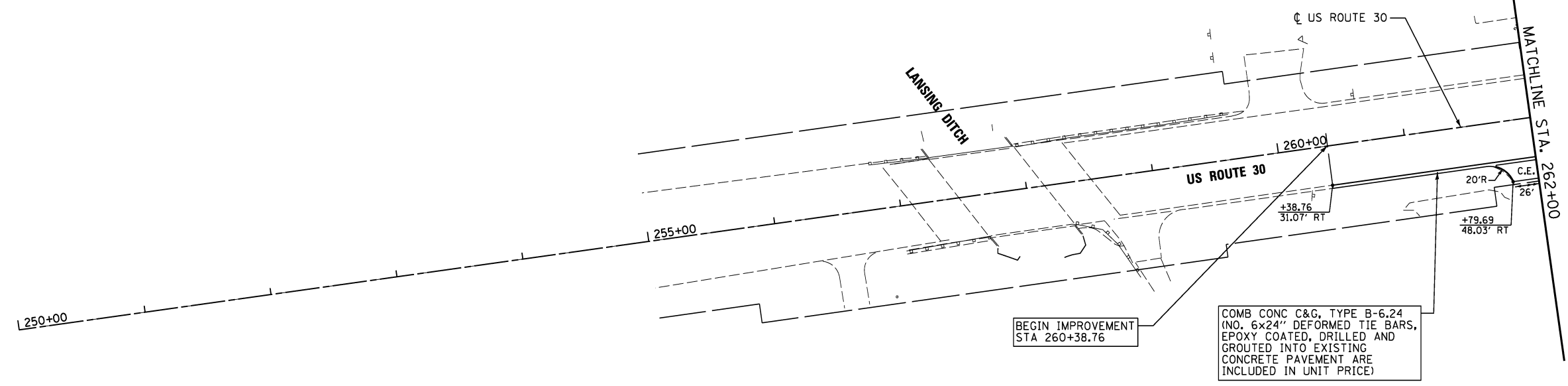
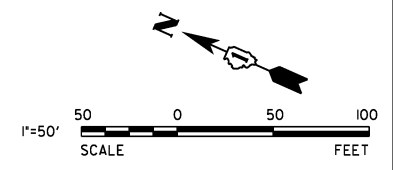


THE CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK CLEANUPS OR THAT IS PREQUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.

- NOTES:
- FOR CONCRETE MEDIAN DETAILS, SEE SHEET 297.
  - FOR HORIZONTAL ALIGNMENT CURVE DATA, SEE ALIGNMENT, TIES AND BENCHMARK SHEETS.
  - FOR ALL RIGHT OF WAY CALL OUTS, SEE PLAT OF HIGHWAY SHEETS.
  - UNLESS OTHERWISE NOTED, ALL COMMERCIAL DRIVEWAYS SHALL BE PAID FOR AS "PCC DRIVEWAY PAVEMENT, 8" AND ALL RESIDENTIAL DRIVEWAYS PAID FOR AS "PCC DRIVEWAY, 6"



V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	USER NAME = dsherman PLOT SCALE = 5/8" PLOT DATE = 3/27/2014	DESIGNED - DTE DRAWN - DRP CHECKED - VJD DATE - 03/28/2014	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>		<b>WEST FRONTAGE ROAD - SOUTH PLAN AND PROFILE STATION 401+10 TO STATION 409+70</b>		F.A.P. RTE. 353 SECTION 11-Y-A COUNTY COOK TOTAL SHEETS 354 SHEET NO. 107 CONTRACT NO. 60R19	SCALE: 1" = 50' SHEET NO. 6 OF 7 SHEETS STA. 401+10 TO STA. 409+70	ILLINOIS FED. AID PROJECT
--------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------	---------------------------------------------------------------------	--------------------------------------------------	-----------------------------------------------------------	--	-----------------------------------------------------------------------------------------	--	-------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------	---------------------------



V3 Companies  
7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
630.724.9202 fax  
www.v3co.com

USER NAME = hshsh	DESIGNED - DTE	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 50.0000' / 1"	CHECKED - VJD	REVISED -
PLOT DATE = 8/21/2013	DATE - 08/14/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

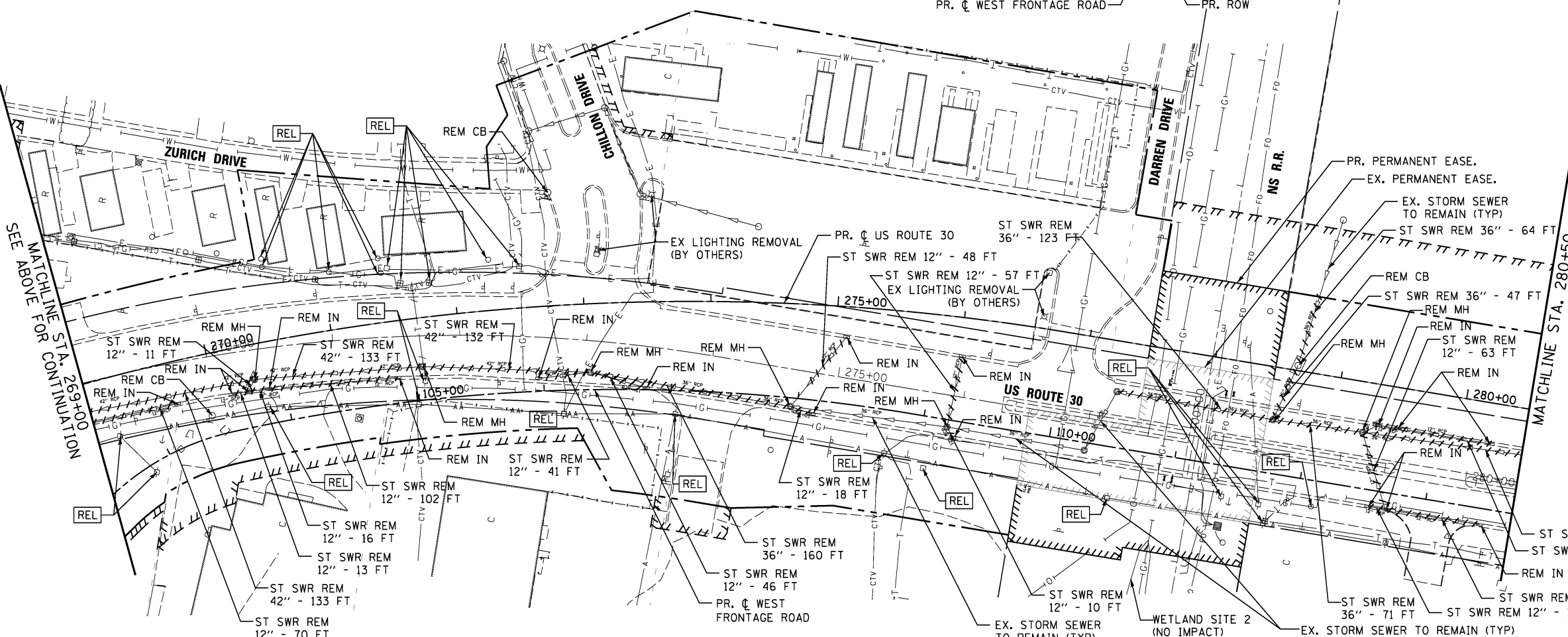
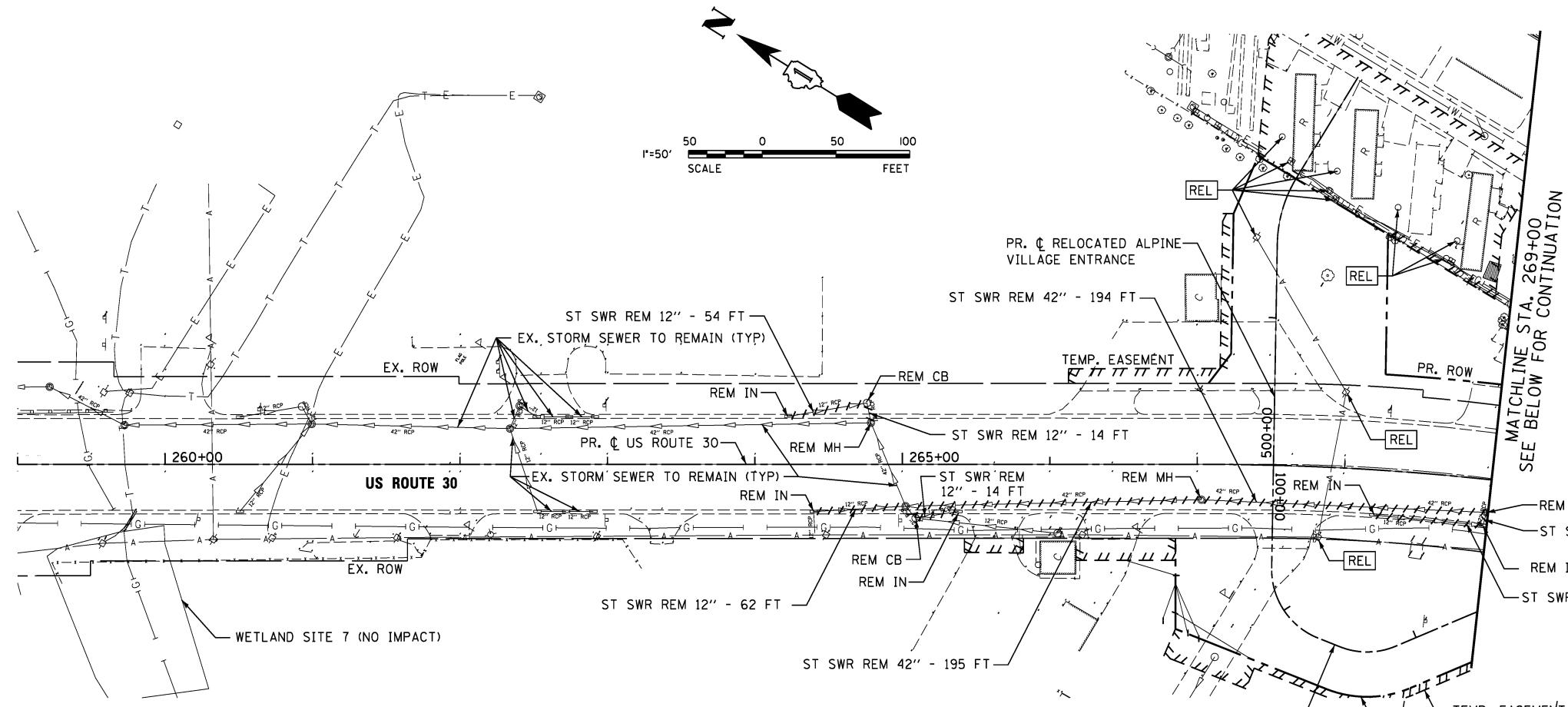
**US ROUTE 30 PLAN AND PROFILE**  
STATION 255+00.00 TO STATION 262+00  
STATION 301+00.00 TO STATION 308+00

SCALE: 1" = 50' SHEET NO. 7 OF 7 SHEETS

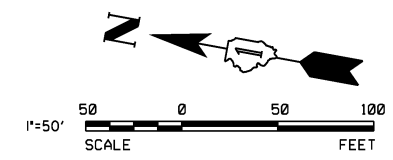
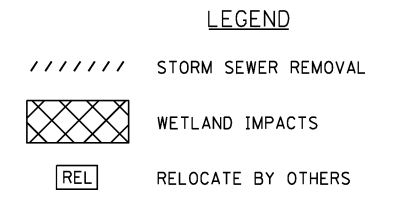
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	108
CONTRACT NO. 60R19				

ILLINOIS FED. AID PROJECT





- NOTES:
1. STORM SEWER THAT IS TO BE REMOVED AND HAS A DIAMETER OF 24" OR GREATER IS TO BE PAID FOR AS "STORM SEWER REMOVAL (SPECIAL) OF THE PIPE SIZE SPECIFIED." SEE SPECIAL PROVISIONS FOR MORE DETAILS.
  2. SEE SIGN PLANS FOR SIGN REMOVALS.
  3. SEE TRAFFIC SIGNAL PLANS FOR TRAFFIC SIGNAL REMOVALS.
  4. SEE DRAINAGE AND UTILITY PLANS FOR EXISTING DRAINAGE STRUCTURES TO BE ADJUSTED.



V3 Companies  
7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
630.724.9202 fax  
www.v3co.com

USER NAME = hshah  
PLOT SCALE = 50.0000' / 1"  
PLOT DATE = 8/21/2013

DESIGNED - DTE  
DRAWN - DRP  
CHECKED - VJD  
DATE - 08/14/2013

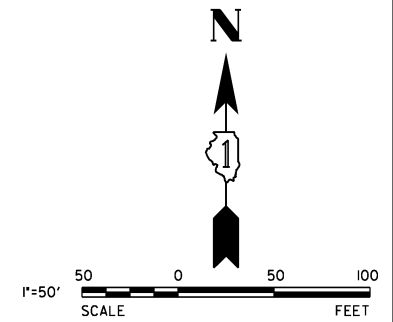
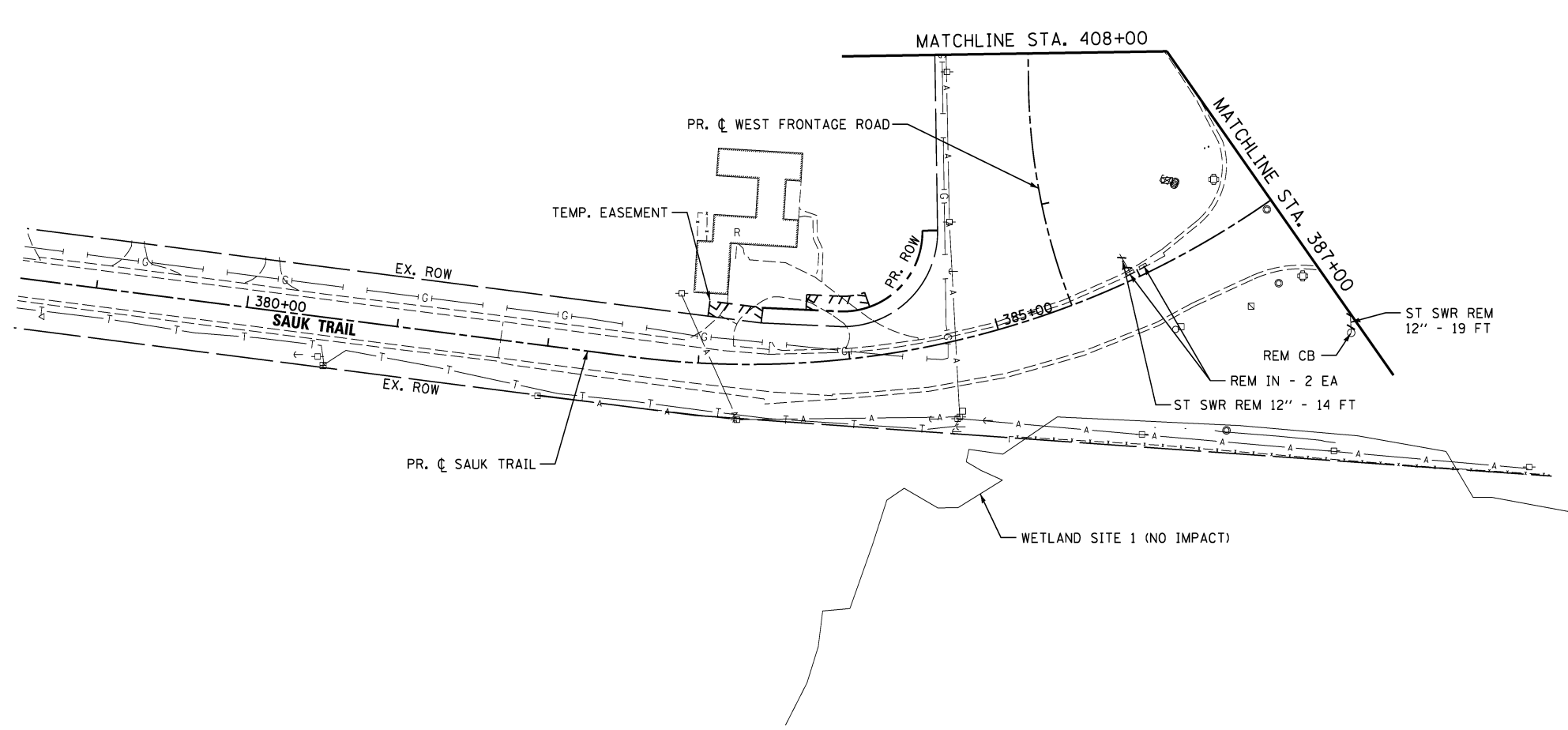
REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

US ROUTE 30 REMOVAL PLANS - DRAINAGE & UTILITIES  
STATION 259+00 TO STATION 280+50  
SCALE: 1" = 50' SHEET NO. 1 OF 3 SHEETS STA. 259+00 TO STA. 280+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	109
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				



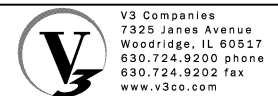


**LEGEND**

- ////// STORM SEWER REMOVAL
- XXXXXX WETLAND IMPACTS
- REL RELOCATE BY OTHERS

**NOTES:**

1. STORM SEWER THAT IS TO BE REMOVED AND HAS A DIAMETER OF 24" OR GREATER IS TO BE PAID FOR AS "STORM SEWER REMOVAL (SPECIAL) OF THE PIPE SIZE SPECIFIED." SEE SPECIAL PROVISIONS FOR MORE DETAILS.
2. SEE SIGN PLANS FOR SIGN REMOVALS.
3. SEE TRAFFIC SIGNAL PLANS FOR TRAFFIC SIGNAL REMOVALS.
4. SEE DRAINAGE AND UTILITY PLANS FOR EXISTING DRAINAGE STRUCTURES TO BE ADJUSTED.



USER NAME = hshsh	DESIGNED - DTE	REVISED -
PLOT SCALE = 50.0000' / 1in.	DRAWN - DRP	REVISED -
PLOT DATE = 8/21/2013	CHECKED - VJD	REVISED -
	DATE - 08/14/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SAUK TRAIL REMOVAL PLANS - DRAINAGE & UTILITIES  
STATION 378+50 TO STATION 387+00**

SCALE: 1" = 50' SHEET NO. 3 OF 3 SHEETS STA. 378+50 TO STA. 387+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	111
				CONTRACT NO. 60R19
ILLINOIS FED. AID PROJECT				



## STORM SEWER STRUCTURE SCHEDULE

STRUCTURE ID	STATION	OFFSET	STRUCTURE TYPE	DIAMETER (FT)	FRAME	RIM	DOWNSTREAM INVERT AND DIRECTION	UPSTREAM INVERT AND DIRECTION	UPSTREAM INVERT AND DIRECTION	UPSTREAM INVERT AND DIRECTION
1	263+08.21	25.46' LT	MH Type A	6	T1F CL	627.33	621.02 N (ex)	623.51 W (pr)	621.02 S (ex)	
2	263+07.64	7.03' LT	CB Type A	4	T24 F&G	627.99	623.61 N	623.61 W		
3	263+07.53	5.91' RT	Inlet Type A	2	T24 F&G	627.99	623.66 E			
4	264+78.73	28.19' LT	MH Type A	8	T1F CL	628.14	621.21 N (ex)	621.21 S (pr)	623.92 E (ex)	621.21 W (ex)
5	265+04.33	32.99' LT	MH Type A	9	T24 F&G	628.49	621.23 N	621.23 S		
6	266+95.65	35.66' LT	MH Type A	9	T24 F&G	629.40	621.40 N	621.40 W	621.98 SE	
7	267+02.82	23.99' RT	MH Type A	7	T1F CL	629.67	621.45 E	622.14 W		
8	267+01.32	46.11' RT	MH Type A	7	T1F CL	629.22	621.47 E	622.21 W	621.47 S	
9	267+06.22	70.18' RT	MH Type A	4	T1F CL	629.00	622.32 E	623.82 S		
10	267+28.49	70.36' RT	CB Type A	4	T24 F&G	628.66	623.92 N	623.92 S		
11	267+79.65	67.40' RT	Inlet Type A	2	T24 F&G	628.46	624.13 N			
12	267+24.15	55.11' LT	CB Type A	4	T24 F&G	629.43	622.14 NW	622.14 E		
13	501+49.84	14.00' LT	CB Type A	4	T11 F&G	627.65	622.55 W	622.55 S		
14	501+37.33	30.49' RT	Inlet Type A	2	T11 F&G	627.53	622.77 N			
15	268+11.47	45.78' RT	MH Type A	7	T1F CL	629.74	621.57 N	621.57 S		
20	268+78.39	44.50' RT	MH Type A	8	T1F CL	630.39	621.64 N	621.64 S	621.64 W	
21	269+75.00	46.58' RT	MH Type A	9	T1F CL	629.10	621.72 N	621.72 S	621.72 E	
22	269+75.03	34.08' RT	CB Type A	4	T24 F&G	628.97	621.77 W	624.13 E		
23	269+75.78	35.00' LT	Inlet Type A	2	T24 F&G	628.97	624.44 W			
26	270+99.73	32.98' RT	CB Type A	4	T24 F&G	628.47	621.91 W	622.60 E		
27	271+00.11	2.93' RT	MH Type A	5	T1F CL	629.02	623.09 W	624.20 E	624.27 N	623.09 S
28	271+00.32	32.50' LT	CB Type A	4	T24 F&G	628.48	624.42 W	624.42 SW		
29	271+11.39	36.58' LT	Inlet Type A	2	T24 F&G	628.59	624.52 NW			
30	270+70.68	0.33' LT	CB Type A	4	T24 F&G	629.05	624.40 S	624.40 W		
31	270+70.98	6.92' RT	Inlet Type A	2	T24 F&G	628.91	624.48 E			
58	274+03.67	0.00' LT	MH Type A	4	T1F CL	635.78	629.85 N	630.11 E	630.11 W	630.46 S
59	274+03.42	9.00' LT	CB Type A	4	T24 F&G	635.15	630.16 W	630.16 E		
60	274+02.48	34.08' LT	CB Type A	4	T24 F&G	634.67	630.28 W	630.28 E		
61	274+13.93	37.38' LT	Inlet Type A	2	T24 F&G	635.04	630.38 N			
62	274+03.61	9.00' RT	CB Type A	4	T24 F&G	635.15	630.20 E	630.20 W		
63	274+03.20	35.00' RT	Inlet Type A	2	T24 F&G	634.67	630.32 E			
95	265+08.12	33.00' RT	CB Type A	6	T24 F&G	628.51	624.67 NE (ex)	624.99 S (ex)		
200	264+90.66	30.42' LT	Restrictor MH	8	T1F 2 CL	628.30	621.22 N			
209	273+30.40	131.31' LT	Inlet Type A	2	T11 F&G	627.93	624.75 NE			
210	272+76.47	90.85' LT	Inlet Type A	2	T11 F&G	627.65	Match Existing NE			

\* SHIM F&G TO MATCH 2.00% ROADWAY CROSS SLOPE

## STORM SEWER SCHEDULE

PIPE ID	UPSTREAM STRUCTURE ID	DOWNSTREAM STRUCTURE ID	PIPE CLASS	PIPE TYPE	DIAMETER (INCHES)	LENGTH (FEET)	SLOPE (%)	UPSTREAM INVERT	DOWNSTREAM INVERT	TRENCH BACKFILL (CY)
P02	2	1	A	Type 2	12	23	0.43	623.61	623.51	3.67
P03	3	2	A	Type 2	12	11	0.45	623.66	623.61	2.05
P05	5	200	A	Type 2	EQRS 54	14	0.07	621.23	621.21	13.83
P06	6	5	A	Type 2	EQRS 54	190	0.09	621.40	621.23	128.98
P07	7	6	A	Type 2	54	60	0.08	621.45	621.40	49.71
P08	8	7	A	Type 2	54	22	0.09	621.47	621.45	17.37
P09	9	8	A	Type 2	12	25	0.44	622.32	622.21	0.00
P10	10	9	A	Type 2	12	21	0.48	623.92	623.82	8.01
P11	11	10	A	Type 2	12	48	0.44	624.13	623.92	9.89
P12	12	6	A	Type 2	12	35	0.46	622.14	621.98	27.25
P13	13	12	A	Type 2	12	94	0.44	622.55	622.14	75.79
P14	14	13	A	Type 2	12	49	0.45	622.77	622.55	12.11
P15	15	8	A	Type 2	54	107	0.09	621.57	621.47	83.65
P20	20	15	A	Type 2	54	77	0.09	621.64	621.57	104.20
P21	21	20	A	Type 2	EQRS 48	94	0.09	621.72	621.64	119.83
P22	22	21	A	Type 2	12	11	0.45	621.77	621.72	10.82
P23	23	22	A	Type 2	12	69	0.45	624.44	624.13	12.35
P26	26	25	A	Type 3	24	13	0.15	621.91	621.89	11.70
P27	27	26	A	Type 2	30	33	1.48	623.09	622.60	9.01
P28	28	27	A	Type 2	12	37	0.59	624.42	624.20	7.22
** P29	29	28	A	Type 2	12	10	1	624.52	624.42	1.56
** P30	30	27	A	Type 2	12	29	0.45	624.40	624.27	5.69
** P31	31	30	A	Type 2	12	8	1	624.48	624.40	1.44
P58	58	27	A	Type 2	24	302	2.24	629.85	623.09	0.00
P59	59	58	A	Type 2	12	9	0.56	630.16	630.11	0.00
P60	60	59	A	Type 2	12	27	0.44	630.28	630.16	0.00
P61	61	60	A	Type 2	12	11	0.91	630.38	630.28	0.00
P62	62	58	A	Type 2	12	9	1	630.20	630.11	0.00
P63	63	62	A	Type 2	12	27	0.44	630.32	630.20	0.00
P64	64	58	A	Type 2	18	252	3.66	639.68	630.46	0.00
P200	200	4	A	Type 2	42	13	0.07	621.22	621.21	13.04

\*\* FOR DRAINAGE PIPE UNDER MSE WALLS, SEE MSE STRUCTURAL WALL DETAILS



USER NAME = hshsh  
 PLOT SCALE = 1:8000' / 1"=100'  
 PLOT DATE = 8/21/2013

DESIGNED - DSS  
 DRAWN - DRP  
 CHECKED - VJD  
 DATE - 08/14/2013

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**US ROUTE 30 DRAINAGE AND UTILITIES  
 STATION 262+00 TO STATION 276+00**

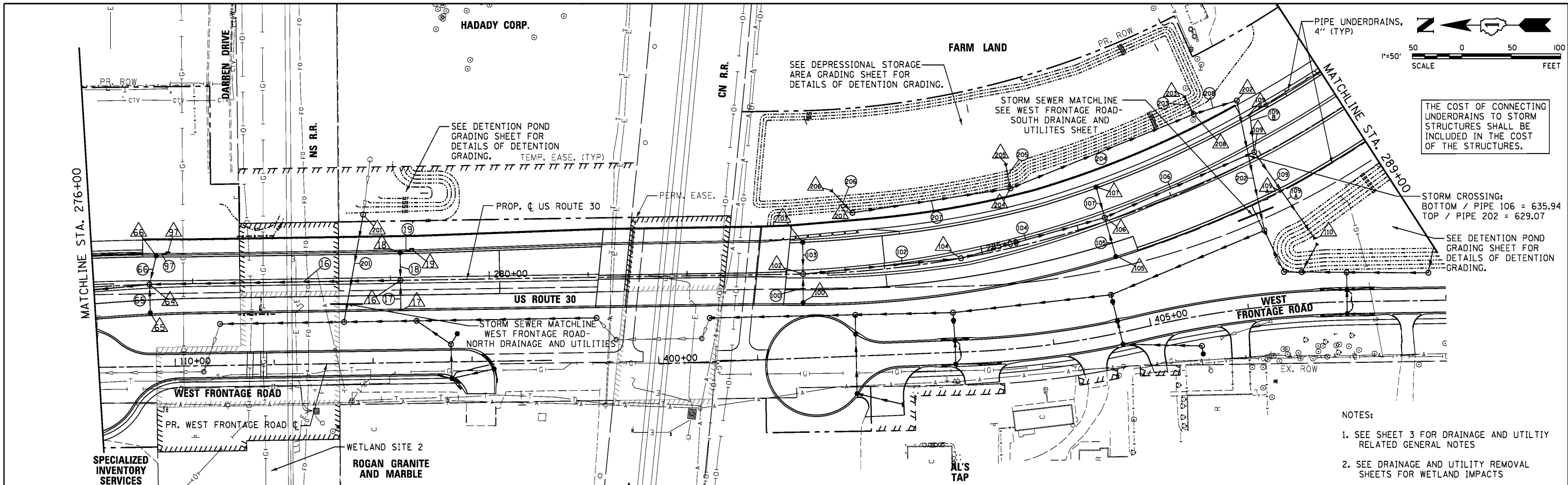
SCALE: N/A

SHEET NO. 2 OF 12 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	113
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	FILED		
	NO.		

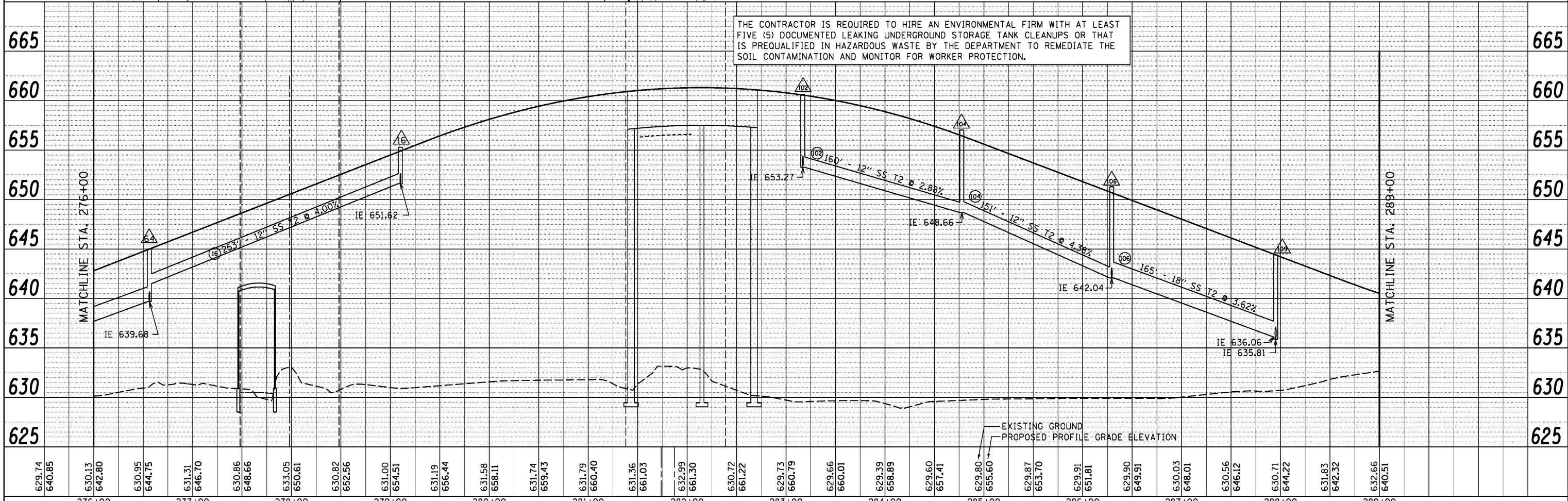
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	STRUCTURE		
	NOTATIONS		
	CITY		
	NO.		



THE COST OF CONNECTING UNDERDRAINS TO STORM STRUCTURES SHALL BE INCLUDED IN THE COST OF THE STRUCTURES.

STORM CROSSING:  
BOTTOM / PIPE 106 = 635.94  
TOP / PIPE 202 = 629.07

- NOTES:
- SEE SHEET 3 FOR DRAINAGE AND UTILITY RELATED GENERAL NOTES
  - SEE DRAINAGE AND UTILITY REMOVAL SHEETS FOR WETLAND IMPACTS



THE CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK CLEANUPS OR THAT IS PREQUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.

<p>V3 Companies 7325 Janes Avenue Woodridge, IL 60517 830.724.9200 phone 830.724.9202 fax www.v3co.com</p>	USER NAME = dsherman	DESIGNED - DTE	REVISED -	<p><b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b></p> <p><b>US ROUTE 30 DRAINAGE AND UTILITIES</b> <b>STATION 276+00 TO STATION 289+00</b></p> <p>SCALE: 1" = 50'    SHEET NO. 3 OF 12 SHEETS    STA. 276+00 TO STA. 289+00</p>	F.A.P. RTE. = 353	SECTION = 11-Y-A	COUNTY = COOK	TOTAL SHEETS = 354	SHEET NO. = 114
	PLOT SCALE = 5/8"	CHECKED - VJD	REVISED -		CONTRACT NO. 60R19				
	PLOT DATE = 2/21/2014	DATE = 02/21/2014	REVISED -		ILLINOIS FED. AID PROJECT				

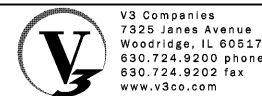
### STORM SEWER STRUCTURE SCHEDULE

### STORM SEWER SCHEDULE

STRUCTURE ID	STATION	OFFSET	STRUCTURE TYPE	DIAMETER (FT)	FRAME	RIM	DOWNSTREAM INVERT AND DIRECTION	UPSTREAM INVERT AND DIRECTION	UPSTREAM INVERT AND DIRECTION	UPSTREAM INVERT AND DIRECTION
*/**	16	279+10.14	0.00' RT	MH Type A	4	T24 F&G	655.29	651.62 N	651.62 E	651.62 W
*/**	17	279+10.14	29.00' RT	Inlet Type A	2	T20 F&G	654.81	651.76 E		
*/**	18	279+10.27	29.00' LT	CB Type A	4	T20 F&G	654.81	651.76 W	651.76 NE	
	19	279+21.94	30.58' LT	Inlet Type A	2	T24 F&G	654.81	651.82 NW		
	64	276+56.38	0.00' LT	MH Type A	4	T1F CL	645.00	639.68 N	639.68 W	639.68 E
*/**	65	276+56.38	29.77' RT	CB Type C	2	T20 F&G	644.53	639.98 E		641.50 S
*/**	66	276+63.89	29.62' LT	CB Type A	4	T20 F&G	644.80	639.81 W	639.81 SE	
*	97	276+75.48	30.94' LT	Inlet Type A	2	T24 F&G	645.19	639.93 N		
*/**	100	283+16.71	30.06' RT	CB Type C	2	T20 F&G	660.05	653.47 E		
	102	283+17.34	0.00' RT	MH Type A	4	T1F CL	660.63	653.27 S	653.34 W	653.27 E
*	103	283+17.70	32.02' LT	CB Type C	2	T20 F&G	660.00	653.40 W		
	104	284+77.91	0.00' RT	MH Type A	4	T1F CL	657.04	648.66 S	648.66 N	
*/**	105	286+27.56	36.92' RT	CB Type C	2	T20 F&G	650.28	642.21 E		
	106	286+29.30	3.93' LT	MH Type A	5	T1F CL	651.30	642.04 SE	642.04 N	642.04 W
*	107	286+30.87	35.00' LT	CB Type A	4	T20 F&G	650.15	642.85 W	642.89 N	
	109	287+95.28	5.67' LT	MH Type A	4	T1F CL	645.00	635.81 NE	636.06 SW	636.06 SE
	109A	288+01.19	41.12' LT	CB Type A	4	T24 F&G	643.68	632.46 NE	632.46 SE	
	109B	288+09.69	40.56' LT	Inlet Type A	4	T24 F&G	643.35	636.15 NW		
	110	288+07.97	100.68' RT	FES 15	-	--	--	--	628.00 E	
	201	278+73.45	67.03' LT	Restrictor MH	6	T1F 2 CL	631.74	625.71 W		
	202	288+04.34	59.99' LT	Restrictor MH	6	T1F 2 CL	633.00	627.31 W	627.31 N	
	203	287+55.71	88.01' LT	FES 12	-	--	--	628.00		
	204	285+43.10	58.78' LT	MH Type A	5	T1F CL	633.00	627.70	627.70 E	627.70 N
	205	285+44.82	84.33' LT	FES 12	-	--	--	628.00		
	206	283+50.00	83.76' LT	FES 24	-	--	--	628.00		
	207	283+71.70	59.45' LT	MH Type A	4	T1F CL	633.00	627.96	627.96 E	
	208	287+56.30	67.31' LT	MH Type A	5	T1F CL	633.00	626.38 S	627.70 E	627.38 N

PIPE ID	UPSTREAM STRUCTURE ID	DOWNSTREAM STRUCTURE ID	PIPE CLASS	PIPE TYPE	DIAMETER (INCHES)	LENGTH (FEET)	SLOPE (%)	UPSTREAM INVERT	DOWNSTREAM INVERT	TRENCH BACKFILL (CY)
p16	16	15	A	Type 2	12	253	4.00	651.62	641.50	62.09
p17	17	16	A	Type 2	12	27	0.52	651.76	651.62	2.21
p18	18	17	A	Type 2	12	27	0.52	651.76	651.62	2.21
p19	19	17	A	Type 2	12	11	0.55	651.82	651.76	0.51
P65	65	64	A	Type 2	12	30	1.00	639.98	639.68	0.00
P66	66	64	A	Type 2	12	30	0.43	639.81	639.68	0.00
P97	97	66	A	Type 2	12	12	1.00	639.93	639.81	3.21
P100	100	102	A	Type 2	12	33	0.39	653.47	653.34	0.00
P102	102	104	A	Type 2	12	160	2.88	653.27	648.66	0.00
P103	103	102	A	Type 2	12	33	0.39	653.40	653.27	0.00
P104	104	106	A	Type 2	12	151	4.38	648.66	642.04	0.00
P105	105	106	A	Type 2	12	42	0.40	642.21	642.04	0.00
P106	106	109	A	Type 2	18	165	3.64	642.04	636.06	0.00
P107	107	106	A	Type 2	12	31	1.45	642.85	642.40	0.00
P109	109	109A	A	Type 2	15	58	5.74	635.81	632.46	0.00
P109A	109A	110	A	Type 2	15	48	9.32	632.46	628.00	0.00
P109B	109B	109	A	Type 2	12	39	0.23	636.15	636.06	0.00
P201	201	48	A	Type 2	12	110	0.44	625.71	625.23	101.40
P202	202	82	A	Type 2	24	134	0.87	627.31	626.15	118.02
P203	203	202	A	Type 2	12	21	1.43	628.00	627.70	0.00
P204	204	202	A	Type 2	24	200	0.16	627.70	627.38	98.66
P205	205	204	A	Type 2	12	22	1.36	628.00	627.70	0.00
P206	206	207	A	Type 2	24	28	0.14	628.00	627.96	10.33
P207	207	204	A	Type 2	24	162	0.16	627.96	627.70	72.90
P208	208	202	A	Type 2	24	47	0.17	627.38	627.31	35.51

\* SHIM F&G TO MATCH 2.00% ROADWAY CROSS SLOPE  
 \*\* OFFSET TO BACK OF FRAME



USER NAME = dsherman  
 PLOT SCALE = 1'  
 PLOT DATE = 1/31/2014

DESIGNED - DSS  
 DRAWN - DRP  
 CHECKED - VJD  
 DATE - 01/31/2014

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

US ROUTE 30 DRAINAGE AND UTILITIES  
 STATION 276+00 TO STATION 289+00

F.A.P. RTE. 353  
 SECTION 11-Y-A  
 COUNTY COOK  
 TOTAL SHEETS 354  
 SHEET NO. 115  
 CONTRACT NO. 60R19  
 ILLINOIS FED. AID PROJECT

SCALE: N/A SHEET NO. 4 OF 12 SHEETS





### STORM SEWER STRUCTURE SCHEDULE

STRUCTURE ID	STATION	OFFSET	STRUCTURE TYPE	DIAMETER (FT)	FRAME	RIM	DOWNSTREAM INVERT AND DIRECTION	UPSTREAM INVERT AND DIRECTION	UPSTREAM INVERT AND DIRECTION	UPSTREAM INVERT AND DIRECTION
111	289+27.02	39.00' LT	CB Type C	2	T24 F&G	639.23	633.89 W			
112	289+28.85	5.03' LT	MH Type A	5	T1F CL	639.71	633.38 W	633.38 E	633.58 SE	
113	289+45.75	15.00' LT	CB Type A	5	T24 F&G	639.09	633.98 NW	633.98 W		
114	289+45.73	0.92' RT	Inlet Type A	2	T24 F&G	639.24	634.24 E			
115	289+24.49	39.01' RT	CB Type A	4	T24 F&G	639.24	632.47 W	632.72 E		
116	289+27.91	70.10' RT	MH Type A	6	T1F CL	637.66	628.08 W	632.33 E	628.25 S	
117	289+14.27	92.96' RT	FES 24	-	--	--	628.00 W	628.00 E		
119	292+12.27	40.33' RT	CB Type A	6	T24 F&G	634.84	629.23 E	629.25 SE	629.25 NW	629.23 S
120	292+01.09	42.46' RT	Inlet Type A	2	T24 F&G	634.84	629.58 S			
121	292+23.75	40.75' RT	Inlet Type A	2	T24 F&G	634.87	629.58 N			
122	292+06.27	39.00' LT	CB Type A	4	T24 F&G	634.87	630.35 NW	630.65 SE	630.65 NW	
123	291+94.19	40.32' LT	Inlet Type A	2	T24 F&G	634.87	630.85 S			
124	292+18.02	40.37' LT	Inlet Type A	2	T24 F&G	634.87	630.85 N			
125	291+24.47	7.72' RT	CB Type A	4	T11 F&G	635.72	628.30 N	628.30 SE		
126	292+03.31	9.06' RT	MH Type A	4	T11 F&G	635.40	628.42 NW	628.90 SW	628.42 SE	630.15 NE
127	292+39.66	62.93' RT	Inlet Type A	2	T24 F&G	634.00	629.60 NE			
128	292+27.46	65.57' RT	Inlet Type A	4	T24 F&G	634.02	629.53 SE	629.53 SE		
129	293+75.35	22.68' RT	MH Type A	5	T1F CL	636.62	628.56 NW	631.29 NE	628.82 S (ex)	
130	293+75.47	39.00' LT	CB Type C	4	T24 F&G	636.08	621.54 SW			
131	294+23.78	51.33' RT	CB Type C	4	T24 F&G	636.25	631.82 SW			
132	294+14.95	79.03' RT	MH Type A	7	T1F CL	636.48	634.31 NW (ex)	631.70 NE	629.35 E (ex)	
136	297+26.69	0.63' LT	Inlet Type A	2	T24 F&G	637.83	631.93 NE			
137	297+26.56	8.00' LT	CB Type A	5	T24 F&G	637.71	631.89 W	631.89 S		
138	297+10.89	2.38' LT	MH Type A	5	T1F CL	637.47	631.82 S (ex)	631.82 E	632.02 N (ex)	
158	297+12.71	33.59' LT	CB Type A	4	T24 F&G	637.26	634.90 W (ex)			
159	297+08.86	37.42' RT	CB Type A	4	T24 F&G	637.26	631.41 N (ex)	631.41 E (ex)	Unknown S (ex)	

### STORM SEWER SCHEDULE

PIPE ID	UPSTREAM STRUCTURE ID	DOWNSTREAM STRUCTURE ID	PIPE CLASS	PIPE TYPE	DIAMETER (INCHES)	LENGTH (FEET)	SLOPE (%)	UPSTREAM INVERT	DOWNSTREAM INVERT	TRENCH BACKFILL (CY)
P111	111	112	A	Type 2	12	34.00	1.50	633.89	633.38	11.61
P112	112	115	A	Type 2	12	44.00	1.50	633.38	632.72	17.75
P113	113	112	A	Type 2	12	20.00	2.00	633.98	633.58	14.31
P114	114	113	A	Type 2	12	13.00	2.00	634.24	633.98	5.20
P115	115	116	A	Type 2	18	31.00	0.45	632.47	632.33	25.44
P116	116	117	A	Type 2	24	27.00	0.30	628.08	628.00	27.56
P119	119	126	A	Type 2	15	32.64	1.01	629.23	628.90	10.99
P120	120	119	A	Type 2	12	10.00	1.01	629.58	629.25	3.27
P121	121	119	A	Type 2	12	10.00	1.01	629.58	629.25	3.27
P122	122	126	A	Type 2	12	48.15	0.42	630.35	630.15	9.12
P123	123	122	A	Type 2	12	10.00	0.42	630.85	630.65	2.06
P124	124	122	A	Type 2	12	10.00	0.42	630.85	630.65	2.06
P125	125	116	A	Type 2	24	212.86	0.02	628.30	628.25	189.07
P126	126	125	A	Type 2	24	79.40	0.15	628.42	628.30	63.41
P127	127	128	A	Type 2	12	13.00	0.54	629.60	629.53	1.21
P128	128	119	A	Type 2	12	29.90	1.00	629.53	629.23	4.97
P129	129	126	A	Type 2	24	175.00	0.08	628.56	628.42	198.69
P130	130	129	A	Type 2	12	62.00	0.40	631.54	631.29	20.09
P131	131	132	A	Type 2	12	29.00	0.41	631.82	631.70	7.24
P136	137	137	A	Type 2	12	10.00	0.40	631.93	631.89	3.44
P137	137	138	A	Type 2	12	17.00	0.40	631.89	631.82	2.95



V3 Companies  
7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
630.724.9202 fax  
www.v3co.com

USER NAME = hshsh	DESIGNED - DSS	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 1:8000' / 1in.	CHECKED - VJD	REVISED -
PLOT DATE = 8/21/2013	DATE - 08/14/2013	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

US ROUTE 30 DRAINAGE AND UTILITIES  
STATION 289+00 TO STATION 302+00

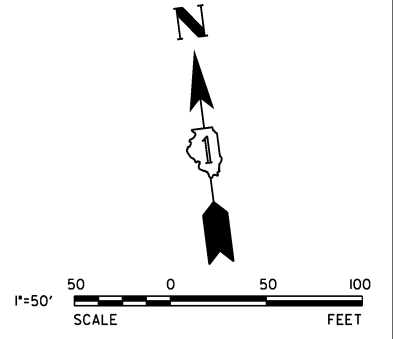
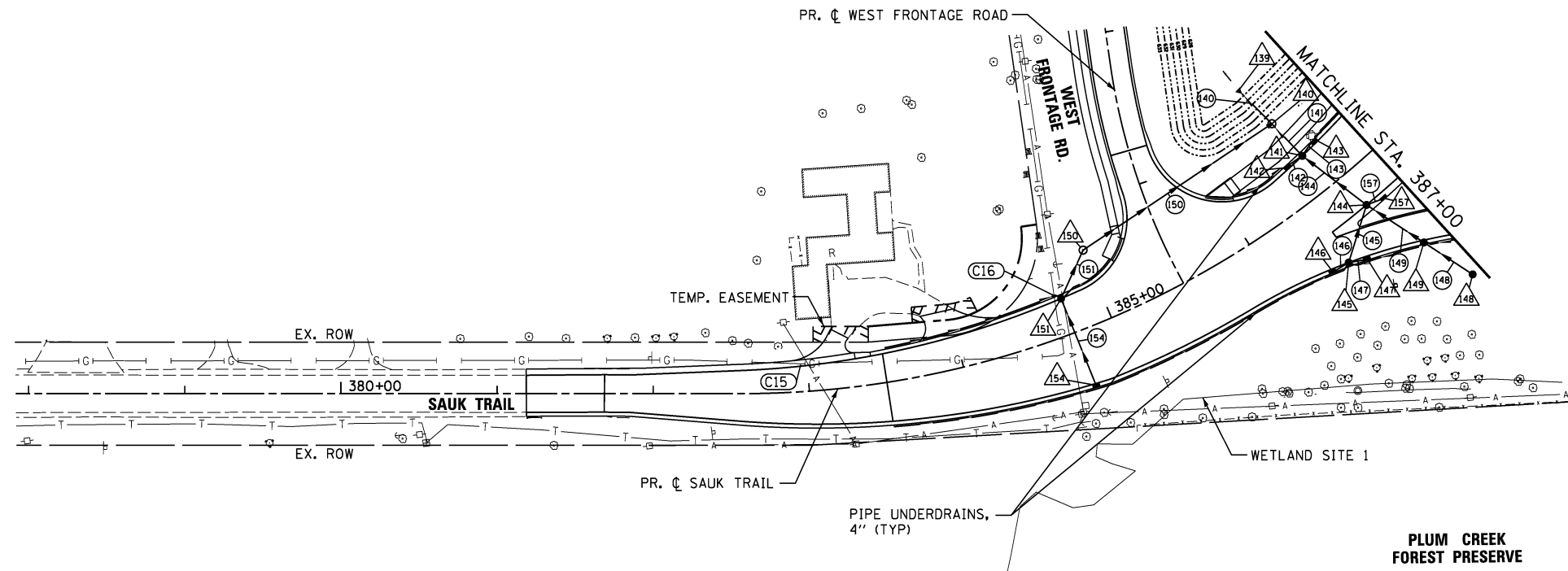
SCALE: N/A

SHEET NO. 6 OF 12 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	117
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	CARD FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	GRADES		
	STRUCTURE		
	NOTATIONS		
	CHPO		
	NO.		



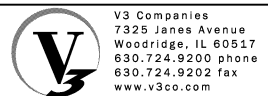
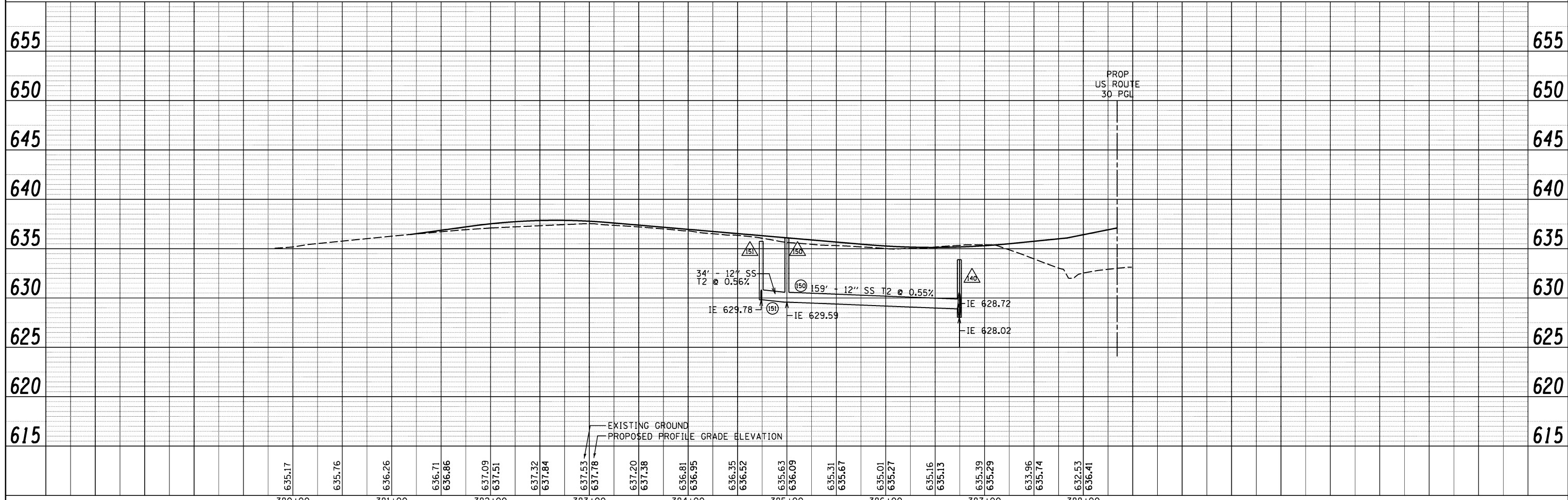
**NOTES:**

- SEE SHEET 3 FOR DRAINAGE AND UTILITY RELATED GENERAL NOTES
- SEE DRAINAGE AND UTILITY REMOVAL SHEETS FOR WETLAND IMPACTS

THE COST OF CONNECTING UNDERDRAINS TO STORM STRUCTURES SHALL BE INCLUDED IN THE COST OF THE STRUCTURES.

THE CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK CLEANUPS OR THAT IS PREQUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.

- UTILITY CROSSINGS**
- C15 4" UNDERDRAIN GAS LINE DEPTH UNKNOWN
  - C16 4" UNDERDRAIN GAS LINE DEPTH UNKNOWN



USER NAME = hshh	DESIGNED - DTE	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 50.0000' / 1"	CHECKED - VJD	REVISED -
PLOT DATE = 8/21/2013	DATE - 08/14/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SAUK TRAIL DRAINAGE AND UTILITIES  
STATION 380+00 TO STATION 386+75**

SCALE: 1" = 50'    SHEET NO. 7 OF 12 SHEETS    STA. 380+00 TO STA. 387+00

F.A.P. RTE. 353	SECTION 11-Y-A	COUNTY COOK	TOTAL SHEETS 354	SHEET NO. 118
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				

### STORM SEWER STRUCTURE SCHEDULE

STRUCTURE ID	STATION	OFFSET	STRUCTURE TYPE	DIAMETER (FT)	FRAME	RIM	DOWNSTREAM INVERT AND DIRECTION	UPSTREAM INVERT AND DIRECTION	UPSTREAM INVERT AND DIRECTION	UPSTREAM INVERT AND DIRECTION
139	386+69.76	86.61' LT	FES 30	--	--	--	626.20 N	626.20 S		
140	386+74.50	53.34' LT	MH Type A	5	T1F CL	633.87	628.02 N	628.02 S	628.72 W	
141	386+74.68	27.35' LT	CB Type A	5	T24 F&G	634.62	628.05 N	628.18 S	628.05 E	628.05 W
142	386+62.14	28.33' LT	Inlet Type A	2	T24 F&G	634.62	628.09 NE			
143	386+86.88	30.36' LT	Inlet Type A	2	T24 F&G	634.62	628.09 SW			
144	386+74.13	24.00' RT	MH Type A	8	T24 F&G	634.69	628.23 N	628.53 SW	628.23 SE	629.73 E
145	386+44.00	45.83' RT	CB Type A	5	T24 F&G	633.83	628.80 NE	628.80 E	628.80 W	
146	386+32.88	44.77' RT	Inlet Type A	2	T24 F&G	633.98	628.84 E			
147	386+53.81	51.44' RT	Inlet Type A	2	T24 F&G	633.90	628.84 W			
148	386+94.35	102.09' RT	CB Type B	5	T7 F&G	631.86	628.31 NW			
149	387+03.08	78.43' RT	CB Type A	5	T24 F&G	634.21	628.27 NW	628.27 SE		
150	385+00.40	47.01' LT	MH Type A	4	T1F CL	636.09	629.59 E	629.59 SW		
151	384+74.14	23.51' LT	CB Type A	4	T24 F&G	635.74	629.78 NE	629.78 S		
154	384+75.39	37.25' RT	Inlet Type A	2	T24 F&G	635.64	630.02 N			
157	386+84.96	28.04' RT	Inlet Type A	2	T24 F&G	634.7	629.77 N			

### STORM SEWER SCHEDULE

PIPE ID	UPSTREAM STRUCTURE ID	DOWNSTREAM STRUCTURE ID	PIPE CLASS	PIPE TYPE	DIAMETER (INCHES)	LENGTH (FEET)	SLOPE (%)	UPSTREAM INVERT	DOWNSTREAM INVERT	TRENCH BACKFILL (CY)
P140	140	139	A	Type 2	30	30	0.07	628.02	626.20	0.05
P141	141	140	A	Type 2	30	26	0.12	628.05	628.02	10.53
P142	142	141	A	Type 2	12	10	0.40	628.09	628.05	4.23
P143	143	141	A	Type 2	12	10	0.40	628.09	628.05	4.00
P144	144	141	A	Type 2	30	53	0.09	628.23	628.18	23.62
P145	145	144	A	Type 2	12	37	0.73	628.8	628.53	12.67
P146	146	145	A	Type 2	12	10	0.40	628.84	628.80	4.30
P147	147	145	A	Type 2	12	10	0.40	628.84	628.80	2.98
P148	148	149	A	Type 2	EORS 30	37	0.11	628.31	628.27	6.60
P149	149	144	A	Type 2	EORS 30	44	0.09	628.27	628.23	39.22
P150	150	140	A	Type 2	12	159	0.55	629.59	628.72	119.02
P151	151	150	A	Type 2	12	34	0.56	629.78	629.59	27.66
P154	154	151	A	Type 2	12	60	0.40	630.02	629.78	44.57
P157	157	144	A	Type 2	12	9	0.43	629.77	629.73	2.39



V3 Companies  
7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
630.724.9202 fax  
www.v3co.com

USER NAME = hshsh  
DESIGNED - DSS  
DRAWN - DRP  
CHECKED - VJD  
DATE - 08/14/2013  
PLOT SCALE = 1:8000' / 1" = 1"  
PLOT DATE = 8/21/2013

REVISER -  
REVISED -  
REVISER -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

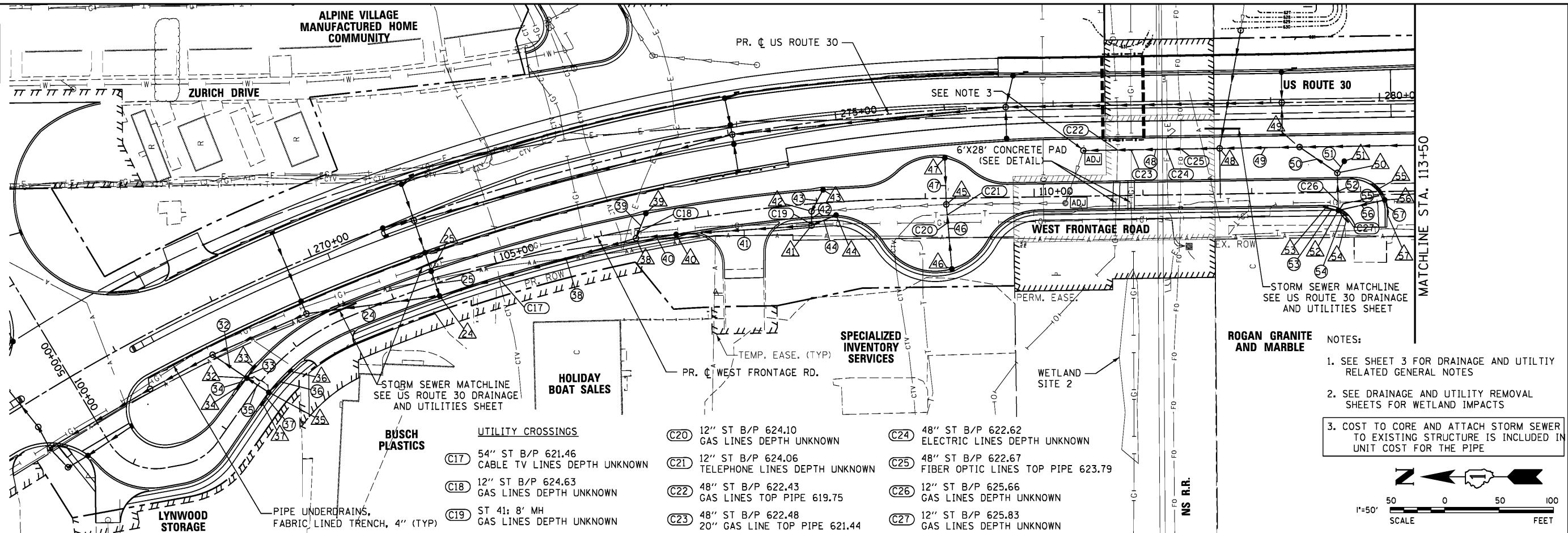
SAUK TRAIL DRAINAGE AND UTILITIES  
STATION 380+00 TO STATION 386+75

SCALE: N/A

SHEET NO. 8 OF 12 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	119
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				

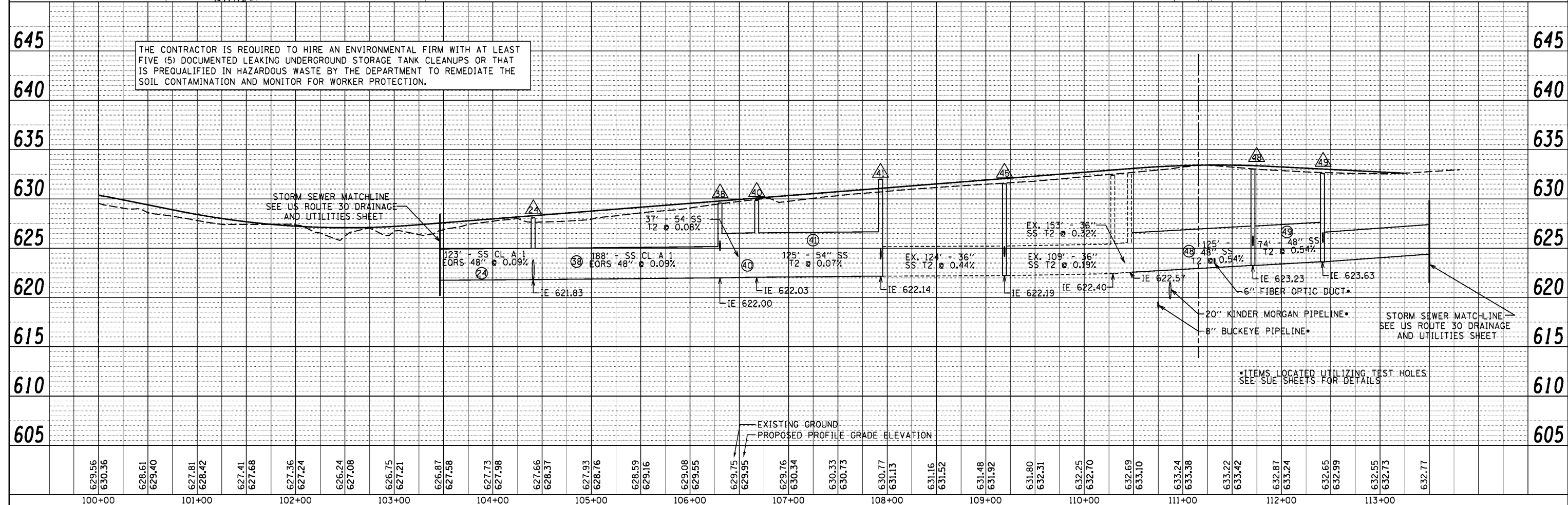
THE COST OF CONNECTING UNDERDRAINS TO STORM STRUCTURES SHALL BE INCLUDED IN THE COST OF THE STRUCTURES.



PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CIFIED	
	NO.	

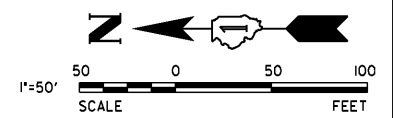
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CIFIED	
	NO.	

THE CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK CLEANUPS OR THAT IS PREQUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.



- UTILITY CROSSINGS**
- (C17) 54" ST B/P 621.46 CABLE TV LINES DEPTH UNKNOWN
  - (C18) 12" ST B/P 624.63 GAS LINES DEPTH UNKNOWN
  - (C19) ST 41; 8" MH GAS LINES DEPTH UNKNOWN
  - (C20) 12" ST B/P 624.10 GAS LINES DEPTH UNKNOWN
  - (C21) 12" ST B/P 624.06 TELEPHONE LINES DEPTH UNKNOWN
  - (C22) 48" ST B/P 622.43 GAS LINES TOP PIPE 619.75
  - (C23) 48" ST B/P 622.48 20" GAS LINE TOP PIPE 621.44
  - (C24) 48" ST B/P 622.62 ELECTRIC LINES DEPTH UNKNOWN
  - (C25) 48" ST B/P 622.67 FIBER OPTIC LINES TOP PIPE 623.79
  - (C26) 12" ST B/P 625.66 GAS LINES DEPTH UNKNOWN
  - (C27) 12" ST B/P 625.83 GAS LINES DEPTH UNKNOWN

- NOTES:**
- SEE SHEET 3 FOR DRAINAGE AND UTILITY RELATED GENERAL NOTES
  - SEE DRAINAGE AND UTILITY REMOVAL SHEETS FOR WETLAND IMPACTS
  - COST TO CORE AND ATTACH STORM SEWER TO EXISTING STRUCTURE IS INCLUDED IN UNIT COST FOR THE PIPE

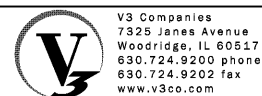


### STORM SEWER STRUCTURE SCHEDULE

STRUCTURE ID	STATION	OFFSET	STRUCTURE TYPE	DIAMETER (FT)	FRAME	RIM	DOWNSTREAM INVERT AND DIRECTION	UPSTREAM INVERT AND DIRECTION	UPSTREAM INVERT AND DIRECTION	UPSTREAM INVERT AND DIRECTION
24	104+40.86	12.00' RT	MH Type A	8	T24 F&G	628.06	621.83 N	621.83 E	621.83 S	
25	104+41.07	12.00' LT	CB Type A	4	T24 F&G	628.06	621.89 W	621.89 E		
32	102+48.80	11.95' LT	CB Type A	5	T24 F&G	626.89	621.67 NE	621.67 NW	621.67 SW	621.67 SE
33	102+59.91	13.97' LT	Inlet Type A	2	T24 F&G	626.99	621.72 NW			
34	102+37.54	14.01' LT	Inlet Type A	2	T24 F&G	627.04	621.72 SE			
35	102+50.85	12.00' RT	CB Type A	5	T24 F&G	626.84	621.69 NE	621.69 NW	621.69 SE	
36	102+80.75	14.00' RT	Inlet Type A	2	T24 F&G	626.99	621.81 NW			
37	102+38.30	13.91' RT	Inlet Type A	2	T24 F&G	627.04	621.73 SE			
38	106+30.43	8.54' RT	MH Type A	9	T1F CL	629.55	622.00 N	624.79 SE	622 S	
39	106+43.68	12.00' LT	CB Type C	2	T24 F&G	629.66	624.90 NW			
40	106+67.66	12.00' RT	MH Type A	7	T24 F&G	629.83	622.03 N	622.05 S		
41	107+93.53	19.90' RT	MH Type A	8	T1F CL	631.14	622.14 N	622.14 E	623.95 S	
42	107+94.67	6.87' RT	MH Type A	8	T1F CL	631.81	622.15 W	624.96 SE	622.15 S (ex)	
43	108+06.78	12.00' LT	CB Type C	2	T24 F&G	631.81	625.06 NW			
44	108+17.05	12.00' RT	CB Type C	2	T24 F&G	628.52	624.06 N			
45	109+19.14	5.69' RT	MH Type A	5	T1F CL	631.49	622.70 N (ex)	624.19 W (pr)	624.19 E (pr)	622.19 S (ex)
46	109+23.33	64.92' RT	CB Type C	2	T24 F&G	630.94	624.44 E			
47	109+18.44	37.16' LT	CB Type C	2	T24 F&G	631.16	624.39 W			
48	111+71.08	42.03' LT	MH Type A	6	T1F CL	633.01	623.23 N	625.23 E (pr)	623.23 S (ex)	
49	112+44.59	42.08' LT	MH Type A	8	T1F CL	632.59	623.63 N	625.54 SW (pr)	623.54 S (ex)	
49A	113+80.66	42.20' LT	MH Type A	5	T1F CL	633.05	624.62 N			
50	112+78.92	17.79' LT	MH Type A	4	T1F CL	632.52	625.73 NE	625.73 SE	625.73 W	
51	112+85.46	28.45' LT	CB Type B	5	T7 F&G	632.52	625.79 NW			
52	112+79.31	16.71' RT	CB Type A	5	T24 F&G	632.52	625.88 E	625.88 S	625.88 N	625.88 SW
53	112+67.54	14.36' RT	Inlet Type A	2	T24 F&G	632.62	625.93 S			
54	112+86.39	26.39' RT	Inlet Type A	2	T24 F&G	632.62	625.93 NE			
55	113+17.06	3.14' LT	Inlet Type A	2	T24 F&G	632.62	626.12 W			
56	113+22.07	7.77' RT	CB Type A	4	T24 F&G	632.52	626.07 N	626.07 E	626.07 W	
57	113+25.54	19.26' RT	Inlet Type A	2	T24 F&G	632.62	626.12 E			

### STORM SEWER SCHEDULE

PIPE ID	UPSTREAM STRUCTURE ID	DOWNSTREAM STRUCTURE ID	PIPE CLASS	PIPE TYPE	DIAMETER (INCHES)	LENGTH (FEET)	SLOPE (%)	UPSTREAM INVERT	DOWNSTREAM INVERT	TRENCH BACKFILL (CY)
P24	24	21	A	Type 2	EORS 48	123	0.09	621.83	621.72	67.23
P25	25	24	A	Type 2	24	26	0.23	621.89	621.83	10.93
P32	32	20	A	Type 2	30	38	0.08	621.67	621.64	36.78
P33	33	32	A	Type 2	12	12	0.42	621.72	621.67	3.46
P34	34	32	A	Type 2	12	12	0.42	621.72	621.67	3.49
P35	35	32	A	Type 2	30	24	0.08	621.69	621.67	5.58
P36	36	35	A	Type 2	12	28	0.43	621.81	621.69	7.84
P37	37	35	A	Type 2	12	12	0.33	621.73	621.69	3.44
P38	38	24	A	Type 2	EORS 48	188	0.09	622.00	621.83	107.39
P39	39	38	A	Type 2	12	25	0.44	624.90	624.79	5.94
P40	40	38	A	Type 2	54	37	0.08	622.03	622.00	26.60
P41	41	40	A	Type 2	54	125	0.07	622.14	622.05	117.72
P42	42	41	A	Type 2	54	12	0.08	622.15	622.14	14.82
P43	43	42	A	Type 2	12	22	0.45	625.06	624.96	15.50
P44	44	41	A	Type 2	12	25	0.44	624.06	623.95	8.73
P46	46	45	A	Type 2	12	59	0.42	624.44	624.19	42.50
P47	47	45	A	Type 2	12	45	0.44	624.39	624.19	33.39
P48	48	49	A	Type 2	48	125	0.54	623.23	622.56	226.62
P49	49	49a	A	Type 2	48	74	0.54	623.63	623.23	122.35
p49A	49a	49	A	Type 2	36	182	0.54	624.62	623.63	209.10
P50	50	49	A	Type 2	12	43	0.44	625.73	625.54	31.12
P51	51	50	A	Type 2	12	13	0.46	625.79	625.73	0.00
P52	52	50	A	Type 2	12	34	0.44	625.88	625.73	0.00
P53	53	52	A	Type 2	12	12	0.40	625.93	625.88	5.31
P54	54	52	A	Type 2	12	12	0.40	625.93	625.88	3.42
P55	55	56	A	Type 2	12	12	0.40	626.12	626.07	4.97
P56	56	52	A	Type 2	12	43	0.44	626.07	625.88	17.89
P57	57	56	A	Type 2	12	12	0.40	626.12	626.07	4.97



USER NAME = dsherman  
 PLOT SCALE = 1'  
 PLOT DATE = 2/21/2014

DESIGNED - DSS  
 DRAWN - DRP  
 CHECKED - VJD  
 DATE - 02/21/2014

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

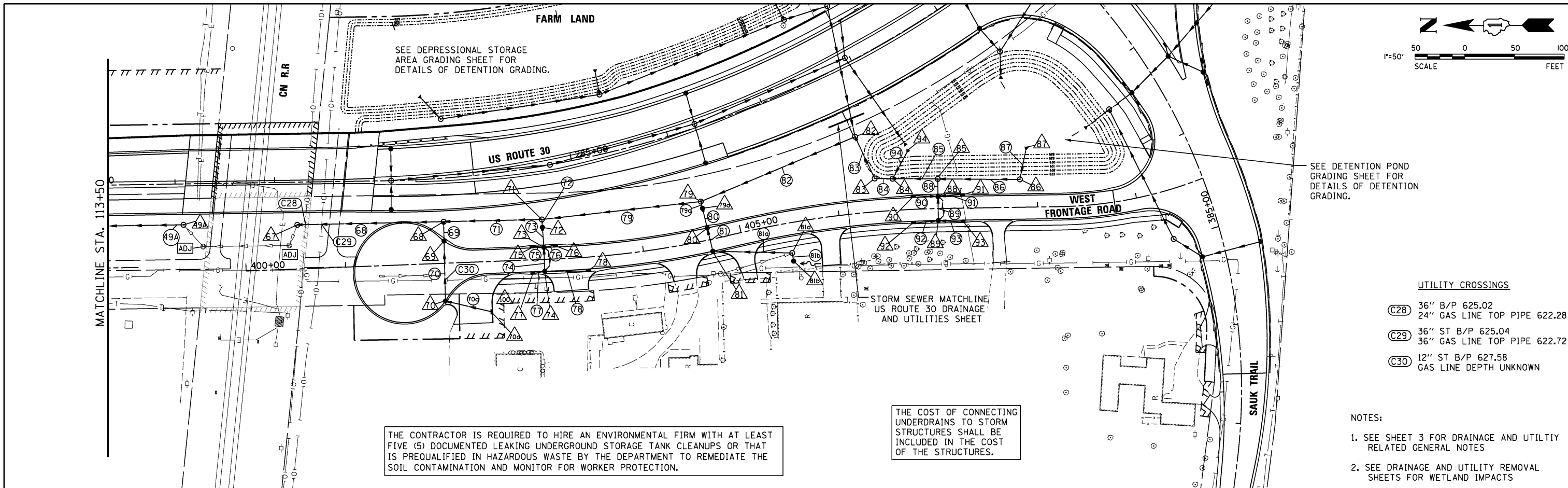
**WEST FRONTAGE ROAD DRAINAGE AND UTILITIES  
 STATION 100+00 TO STATION 113+75.52**

SCALE: N/A SHEET NO. 10 OF 12 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	121
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CHECKED		
	ALIGNED		
	FILED		
	CARD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CHECKED		
	ALIGNED		
	FILED		
	CARD FILE NAME		



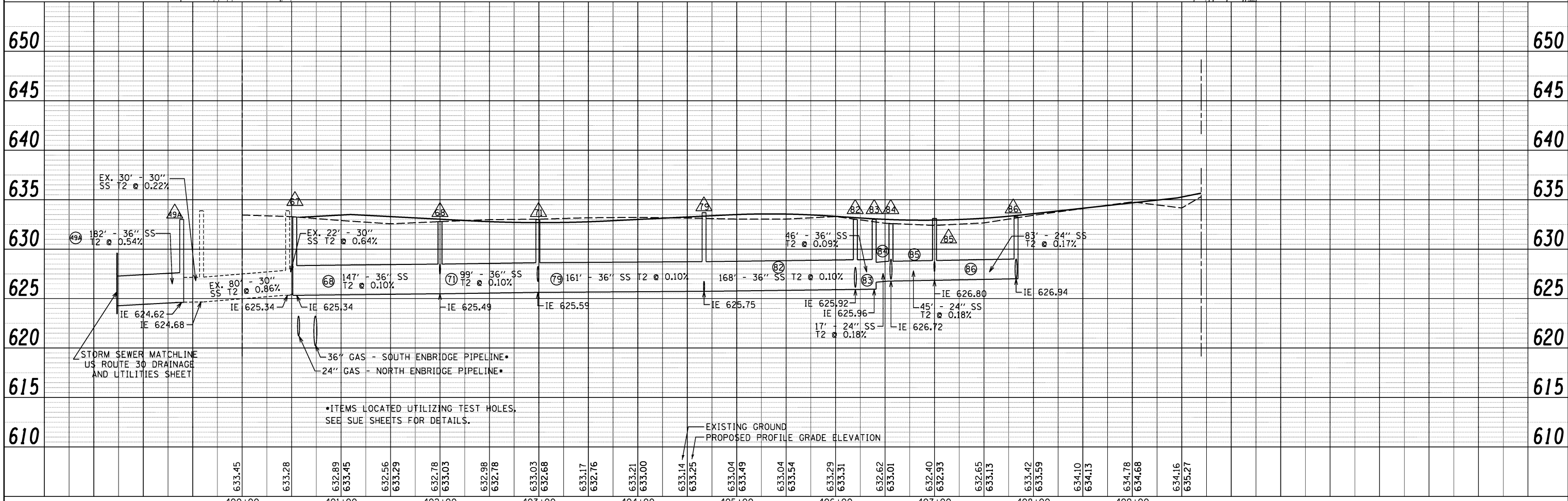
THE CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK CLEANUPS OR THAT IS PREQUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.

THE COST OF CONNECTING UNDERDRAINS TO STORM STRUCTURES SHALL BE INCLUDED IN THE COST OF THE STRUCTURES.

SEE DETENTION POND GRADING SHEET FOR DETAILS OF DETENTION GRADING.

- UTILITY CROSSINGS**
- (C28) 36" B/P 625.02  
24" GAS LINE TOP PIPE 622.28
  - (C29) 36" ST B/P 625.04  
36" GAS LINE TOP PIPE 622.72
  - (C30) 12" ST B/P 627.58  
GAS LINE DEPTH UNKNOWN

- NOTES:**
1. SEE SHEET 3 FOR DRAINAGE AND UTILITY RELATED GENERAL NOTES
  2. SEE DRAINAGE AND UTILITY REMOVAL SHEETS FOR WETLAND IMPACTS



<p>V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com</p>	USER NAME = dsherman	DESIGNED - DTE	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>WEST FRONTAGE ROAD - SOUTH DRAINAGE AND UTILITIES</b> <b>STATION 401+10 TO STATION 409+70</b>	F.A.P. RTE. 353	SECTION 11-Y-A	COUNTY COOK	TOTAL SHEETS 354	SHEET NO. 122
	PLOT SCALE = 50'	CHECKED - VJD	REVISED -			SCALE: 1" = 50'	SHEET NO. 11 OF 12 SHEETS	STA. 401+10 TO STA. 409+70	CONTRACT NO. 60R19	
	PLOT DATE = 3/13/2014	DATE - 03/14/2014	REVISED -			ILLINOIS FED. AID PROJECT				

## STORM SEWER STRUCTURE SCHEDULE

STRUCTURE ID	STATION	OFFSET	STRUCTURE TYPE	DIAMETER (FT)	FRAME	RIM	DOWNSTREAM INVERT AND DIRECTION	UPSTREAM INVERT AND DIRECTION	UPSTREAM INVERT AND DIRECTION	UPSTREAM INVERT AND DIRECTION
49A	113+80.66	42.20' LT	MH Type A	7	T1F CL	633.05	624.62 N	624.68 S (ex)		
67	400+53.16	44.34' LT	MH Type A	5	T1F CL	633.26	625.35 W (ex)	625.34 S (pr)		
68	402+00.35	41.81' LT	MH Type A	5	T1F CL	632.24	625.49 N	627.49 W	625.49 S	
69	401+99.96	22.35' LT	CB Type A	4	T24 F&G	632.43	627.58 E	627.58 W		
70	401+99.04	37.95' RT	CB Type A	4	T24 F&G	632.27	627.84 E	627.84 S		
70A	402+45.60	50.69' RT	Inlet Type A	2	T11 F&G	632.42	628.05 N			
71	402+99.07	40.12' LT	MH Type A	5	T1F CL	632.30	625.59 N	626.78 W	625.59 S	
72	402+99.33	32.27' LT	CB Type B	5	T7 F&G	632.30	626.80 E	626.80 W		
73	403+00.04	12.00' LT	CB Type A	5	T24 F&G	632.44	626.86 E	627.11 W	627.36 N	627.36 S
74	402+99.91	12.00' RT	CB Type A	4	T24 F&G	632.44	627.19 E	627.44 N	627.44 S	
75	402+88.21	14.00' LT	Inlet Type A	2	T24 F&G	632.50	627.41 S			
76	403+11.88	14.00' LT	Inlet Type A	2	T24 F&G	632.50	627.41 N			
77	402+88.07	14.00' RT	Inlet Type A	2	T24 F&G	632.50	627.49 S			
78	403+43.23	14.00' RT	Inlet Type A	2	T24 F&G	632.50	627.63 N			
79	404+66.92	39.34' LT	MH Type A	5	T1F CL	632.30	625.75 N	625.75 W	625.75 S	
79A	404+67.13	32.35' LT	CB Type B	5	T7 F&G	632.00	625.78 E	625.80 W		
80	404+67.73	12.00' LT	CB Type A	4	T24 F&G	633.10	625.88 E	625.88 W		
81	404+68.34	12.00' RT	CB Type A	2	T24 F&G	633.10	625.98 E	625.98 S		
81A	405+47.08	30.28' RT	MH Type A	8	T1F CL	632.04	626.33 N	626.33 W	627.21 NW (ex)	
81B	405+47.08	38.50' RT	CB Type B	4	T7 F&G	629.14	626.37 E			
82	406+23.75	76.90' LT	MH Type A	6	T1F CL	633.00	625.92 N	625.92 SW	626.15 E	
83	406+38.82	33.42' LT	Restrictor MH	5	T1F 2 CL	633.00	625.96 NE	626.69 S		
84	406+56.10	31.91' LT	MH Type A	7	T1F CL	632.55	626.72 N	626.72 S	626.90 E	
85	407+00.17	29.85' LT	MH Type A	5	T1F CL	633.18	626.80 N	626.80 S	627.75 W	
86	407+82.57	28.02' LT	MH Type A	5	T1F CL	633.36	626.94 N	626.94 SE		
87	407+89.78	60.37' LT	FES 24	-	--	633.00	627.00 NW			
88	407+00.05	12.00' LT	CB Type A	4	T24 F&G	632.68	627.83 E	627.83 W	627.83 N	627.83 S
89	406+99.96	11.99' RT	CB Type A	4	T24 F&G	632.68	627.93 E	627.93 N	627.93 S	
90	406+75.46	14.00' LT	Inlet Type A	2	T24 F&G	632.78	627.94 S			
91	407+24.92	14.00' LT	Inlet Type A	2	T24 F&G	632.78	627.94 N			
92	406+74.71	14.00' RT	Inlet Type A	2	T24 F&G	632.78	628.04 S			
93	407+24.93	14.00' RT	Inlet Type A	2	T24 F&G	632.78	628.04 N			
94	406+72.81	60.01' LT	FES 24	-	--	633.00	627.00 W			

## STORM SEWER SCHEDULE

PIPE ID	UPSTREAM STRUCTURE ID	DOWNSTREAM STRUCTURE ID	PIPE CLASS	PIPE TYPE	DIAMETER (INCHES)	LENGTH (FEET)	SLOPE (%)	UPSTREAM INVERT	DOWNSTREAM INVERT	TRENCH BACKFILL (CY)
P49A	49A	49	A	Type 2	36	182	0.54	624.62	623.63	209.10
P68	68	0	A	Type 2	36	147	0.10	625.49	625.34	177.06
P69	69	68	A	Type 2	15	20	0.45	627.58	627.49	7.74
P70	70	69	A	Type 2	12	60	0.43	627.84	627.58	21.37
P70A	70A	70	A	Type 2	12	48	0.44	628.05	627.84	15.88
P71	71	68	A	Type 2	36	99	0.10	625.59	625.49	46.57
P72	72	71	A	Type 2	15	6	0.33	626.80	626.78	1.95
P73	73	72	A	Type 2	15	22	0.27	626.86	626.80	7.21
P74	74	73	A	Type 2	15	22	0.36	627.19	627.11	6.58
P75	75	73	A	Type 2	12	12	0.42	627.41	627.36	3.26
P76	76	73	A	Type 2	12	12	0.42	627.41	627.36	4.83
P77	77	74	A	Type 2	12	12	0.42	627.49	627.44	4.73
P78	78	74	A	Type 2	12	44	0.43	627.63	627.44	17.03
P79	79	71	A	Type 2	36	161	0.10	625.75	625.59	72.65
P79A	79A	79	A	Type 2	15	7	0.10	625.78	625.75	3.14
P80	80	73	A	Type 2	12	29	0.45	625.88	625.80	26.64
P81	81	80	A	Type 2	12	24	0.42	625.98	625.88	23.15
P81A	81A	81	A	Type 2	12	79	0.44	626.33	625.98	66.61
P81B	81B	81A	A	Type 2	12	8	0.50	626.37	626.33	0.00
P82	82	79	A	Type 2	36	168	0.10	625.92	625.75	166.88
P83	83	82	A	Type 2	36	46	0.09	625.96	625.92	48.48
P84	84	83	A	Type 2	24	17	0.18	626.72	626.69	14.28
P85	85	84	A	Type 2	24	45	0.18	626.80	626.72	38.12
P86	86	85	A	Type 2	24	83	0.17	626.94	626.80	37.34
P87	87	86	A	Type 2	24	30	0.20	627.00	626.94	12.65
P88	88	85	A	Type 2	12	18	0.44	627.83	627.75	4.99
P89	89	88	A	Type 2	12	22	0.45	627.93	627.83	5.32
P90	90	88	A	Type 2	12	25	0.44	627.94	627.83	6.16
P91	91	88	A	Type 2	12	25	0.44	627.94	627.83	9.44
P92	92	89	A	Type 2	12	25	0.44	628.04	627.93	5.68
P93	93	89	A	Type 2	12	25	0.44	628.04	627.93	5.68
P94	94	84	A	Type 2	24	30	0.33	627.00	626.90	10.57



USER NAME = hshsh  
 PLOT SCALE = 1:8000 / 1"=80'  
 PLOT DATE = 8/21/2013

DESIGNED - DSS  
 DRAWN - DRP  
 CHECKED - VJD  
 DATE - 08/14/2013

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

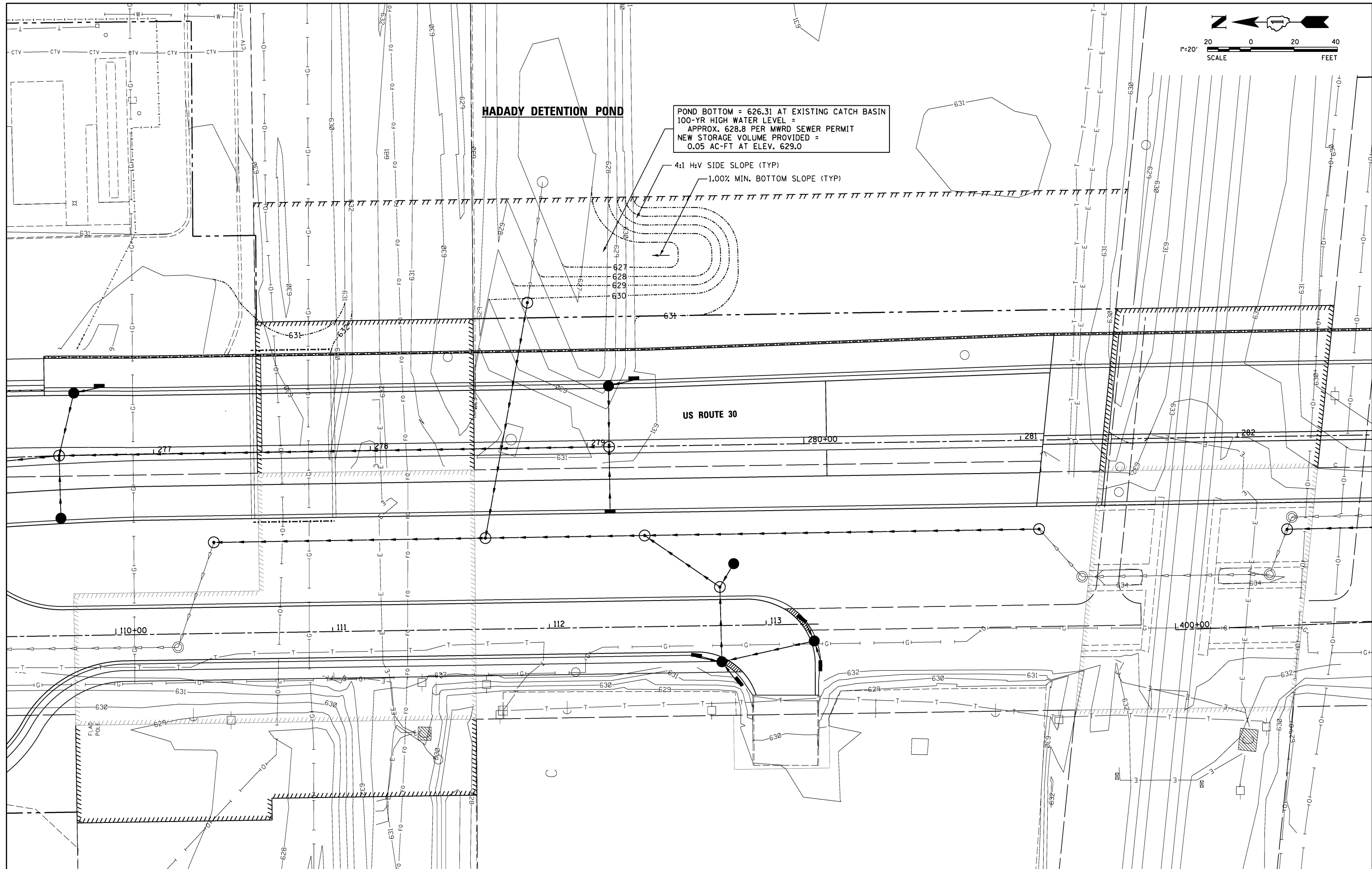
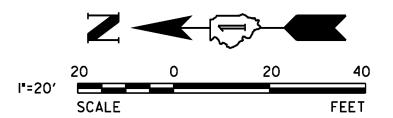
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**WEST FRONTAGE ROAD DRAINAGE AND UTILITIES**  
**STATION 401+10 TO STATION 409+70**

SCALE: N/A

SHEET NO. 12 OF 12 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	123
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				

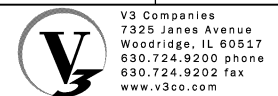


**HADADY DETENTION POND**

POND BOTTOM = 626.31 AT EXISTING CATCH BASIN  
 100-YR HIGH WATER LEVEL =  
 APPROX. 628.8 PER MWRD SEWER PERMIT  
 NEW STORAGE VOLUME PROVIDED =  
 0.05 AC-FT AT ELEV. 629.0

4:1 H:V SIDE SLOPE (TYP)  
 1.00% MIN. BOTTOM SLOPE (TYP)

US ROUTE 30



V3 Companies  
 7325 Janes Avenue  
 Woodridge, IL 60517  
 630.724.9200 phone  
 630.724.9202 fax  
 www.v3co.com

USER NAME = dsherman  
 DESIGNED - DTE  
 DRAWN - DRP  
 CHECKED - VJD  
 DATE - 03/14/2014

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

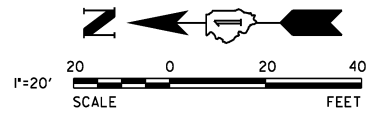
DETENTION POND GRADING

SCALE: 1" = 20' SHEET NO. 1 OF 3 SHEETS

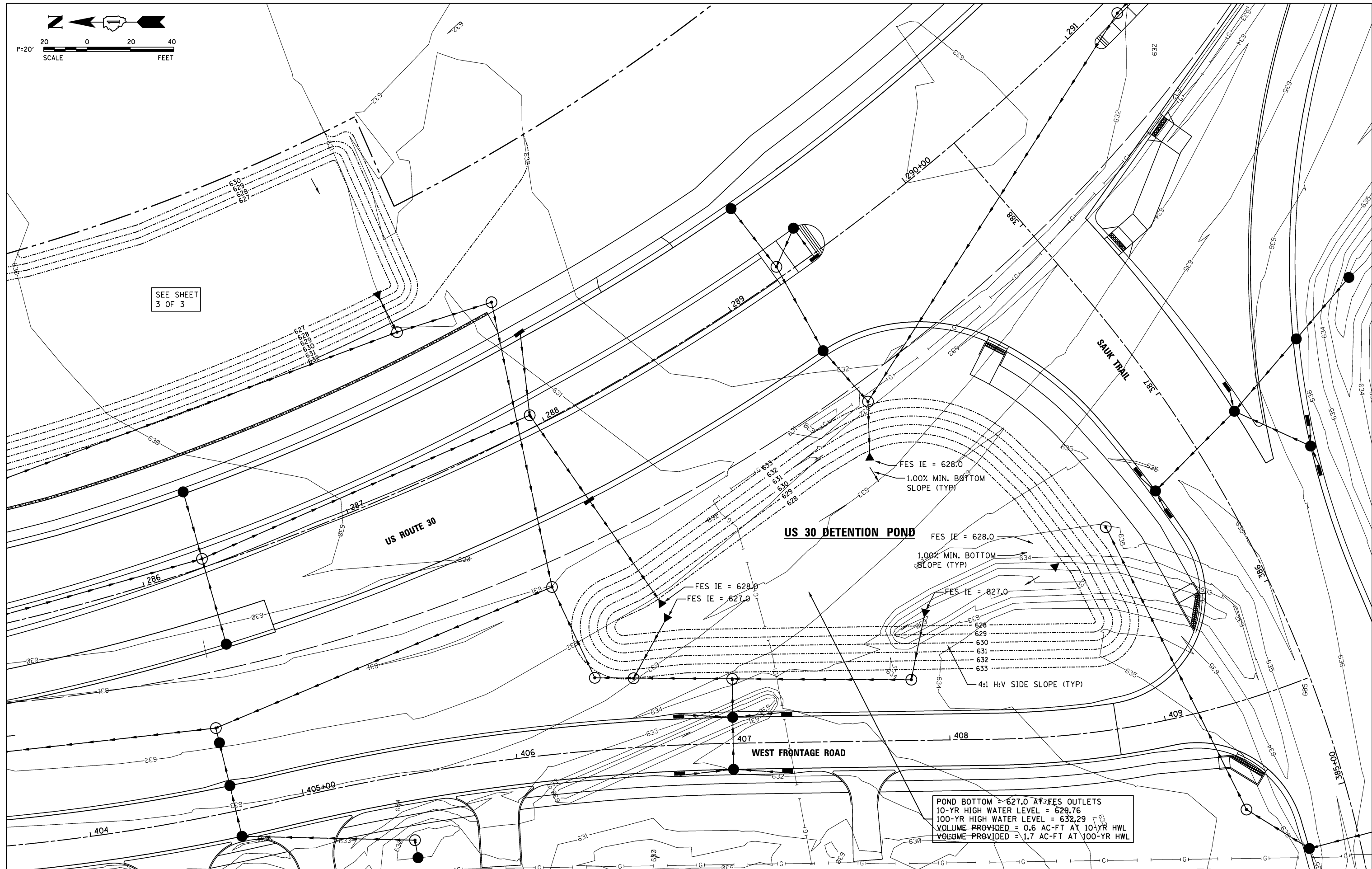
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	124
CONTRACT NO. 60R19				

ILLINOIS FED. AID PROJECT

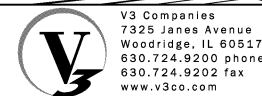




SEE SHEET  
3 OF 3



POND BOTTOM = 627.0 AT FES OUTLETS  
 10-YR HIGH WATER LEVEL = 629.76  
 100-YR HIGH WATER LEVEL = 632.29  
 VOLUME PROVIDED = 0.6 AC-FT AT 10-YR HWL  
 VOLUME PROVIDED = 1.7 AC-FT AT 100-YR HWL



USER NAME = hshsh  
 DESIGNED - DTE  
 DRAWN - DRP  
 CHECKED - VJD  
 DATE - 08/14/2013  
 PLOT SCALE = 20.0000' / 1"  
 PLOT DATE = 8/21/2013

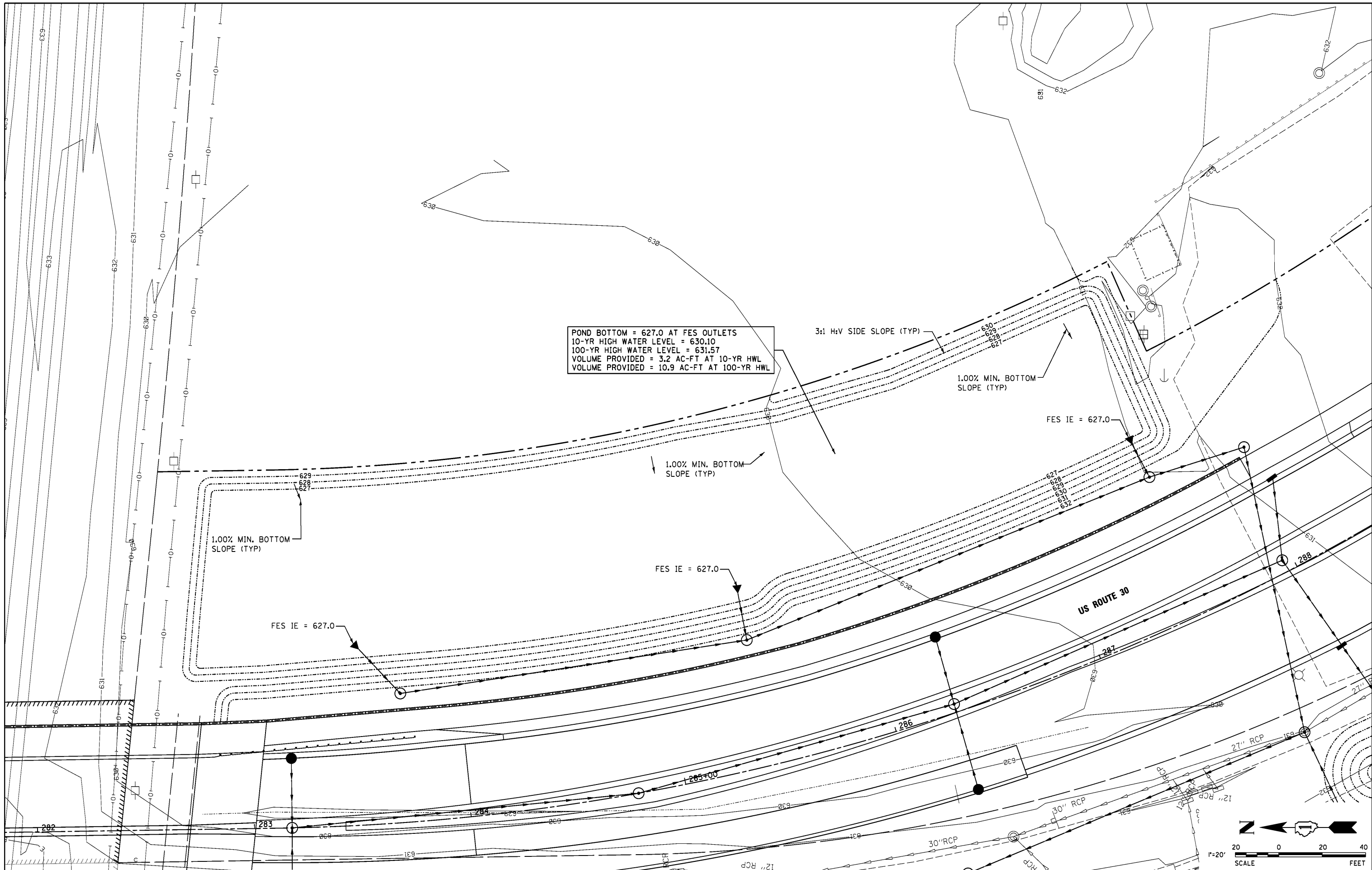
REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DETENTION POND GRADING**

SCALE: 1" = 20' SHEET NO. 2 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	125
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				



POND BOTTOM = 627.0 AT FES OUTLETS  
 10-YR HIGH WATER LEVEL = 630.10  
 100-YR HIGH WATER LEVEL = 631.57  
 VOLUME PROVIDED = 3.2 AC-FT AT 10-YR HWL  
 VOLUME PROVIDED = 10.9 AC-FT AT 100-YR HWL

3:1 H:V SIDE SLOPE (TYP)

1.00% MIN. BOTTOM SLOPE (TYP)

FES IE = 627.0

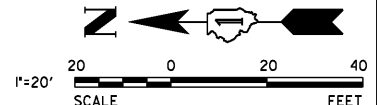
1.00% MIN. BOTTOM SLOPE (TYP)

1.00% MIN. BOTTOM SLOPE (TYP)

FES IE = 627.0

FES IE = 627.0

US ROUTE 30



**V3**  
 V3 Companies  
 7325 Janes Avenue  
 Woodridge, IL 60517  
 630.724.9200 phone  
 630.724.9202 fax  
 www.v3co.com

USER NAME = dsherman  
 PLOT SCALE = 20'  
 PLOT DATE = 1/31/2014

DESIGNED - DTE  
 DRAWN - DRP  
 CHECKED - VJD  
 DATE - 01/31/2014

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

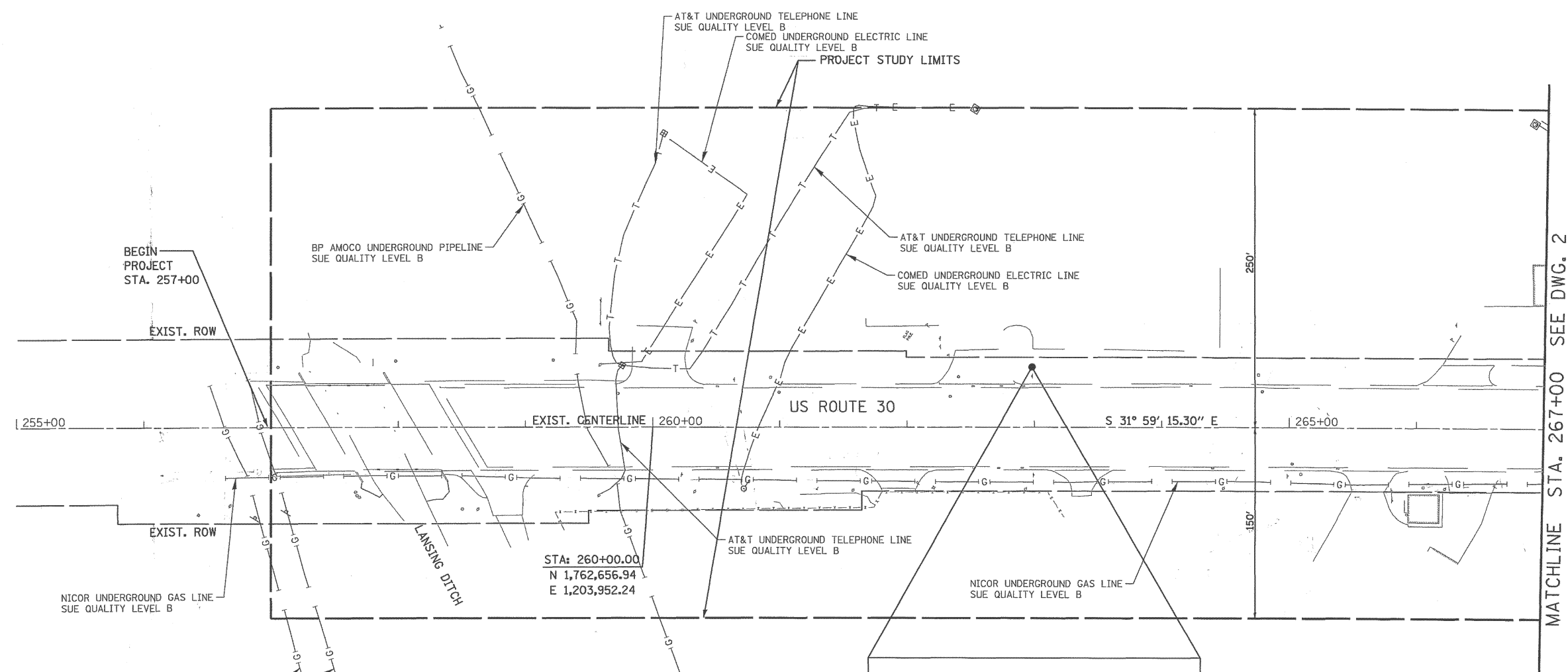
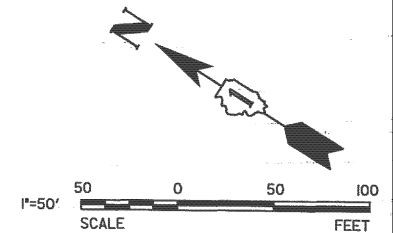
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE: 1" = 20'  
 SHEET NO. 3 OF 3 SHEETS

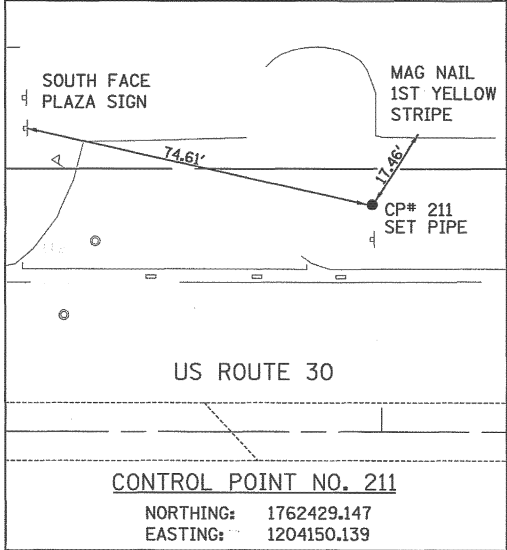
**DEPRESSIONAL STORAGE AREA GRADING**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	126
CONTRACT NO. 60R19				

ILLINOIS FED. AID PROJECT



STA: 260+00.00  
 N 1,762,656.94  
 E 1,203,952.24



**NOTES:**  
 1. HORIZONTAL CONTROL, VERTICAL CONTROL, CENTERLINE ALIGNMENT, AND TOPOGRAPHIC FEATURES WERE SUPPLIED BY ILLINOIS DEPARTMENT OF TRANSPORTATION.

**LEGEND**

— T —	EXISTING UNDERGROUND TELEPHONE
— W —	EXISTING UNDERGROUND WATER
— E —	EXISTING UNDERGROUND ELECTRIC
— G —	EXISTING UNDERGROUND GAS
— CTV —	EXISTING UNDERGROUND CABLE TV
— FO —	EXISTING UNDERGROUND FIBER OPTIC
— S —	EXISTING UNDERGROUND SANITARY SEWER
EOGI	END OF SURFACE GEOPHYSICAL INFORMATION

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

UTILITY(IES) SHOWN HEREON HAVE BEEN INVESTIGATED BY ASE IN ACCORDANCE WITH SUE INDUSTRY STANDARDS QUALITY LEVEL A (QLA) AND B (QLB). ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED BY OTHERS.

FIELD WORK WAS PERFORMED BETWEEN THE 25TH OF AUGUST AND 3RD DAY OF NOVEMBER, A.D., 2010.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND SEAL THIS 4TH DAY OF NOVEMBER A.D., 2010. CHICAGO, IL.

*Steven M. Rienks*  
 STEVEN M. RIENKS ILLINOIS PROFESSIONAL  
 ENGINEER NUMBER 62-044619  
 MY LICENSE EXPIRES 11/30/2011



**AMERICAN**  
 SURVEYING & ENGINEERING, P.C.  
 SURVEYORS • ENGINEERS  
 GEODESISTS • MAPPING SCIENTISTS

Chicago 312-277-2000 / Fax 312-277-2002  
 Dixon 815-288-6231 / Fax 815-288-6277  
 Aurora 603-897-4105 / Fax 630-897-4121  
 Illinois Professional Design Firm No. 184-003192

**V3**  
 V3 Companies  
 7325 Janes Avenue  
 Woodridge, IL 60517  
 630.724.9200 phone  
 630.724.9202 fax  
 www.v3co.com

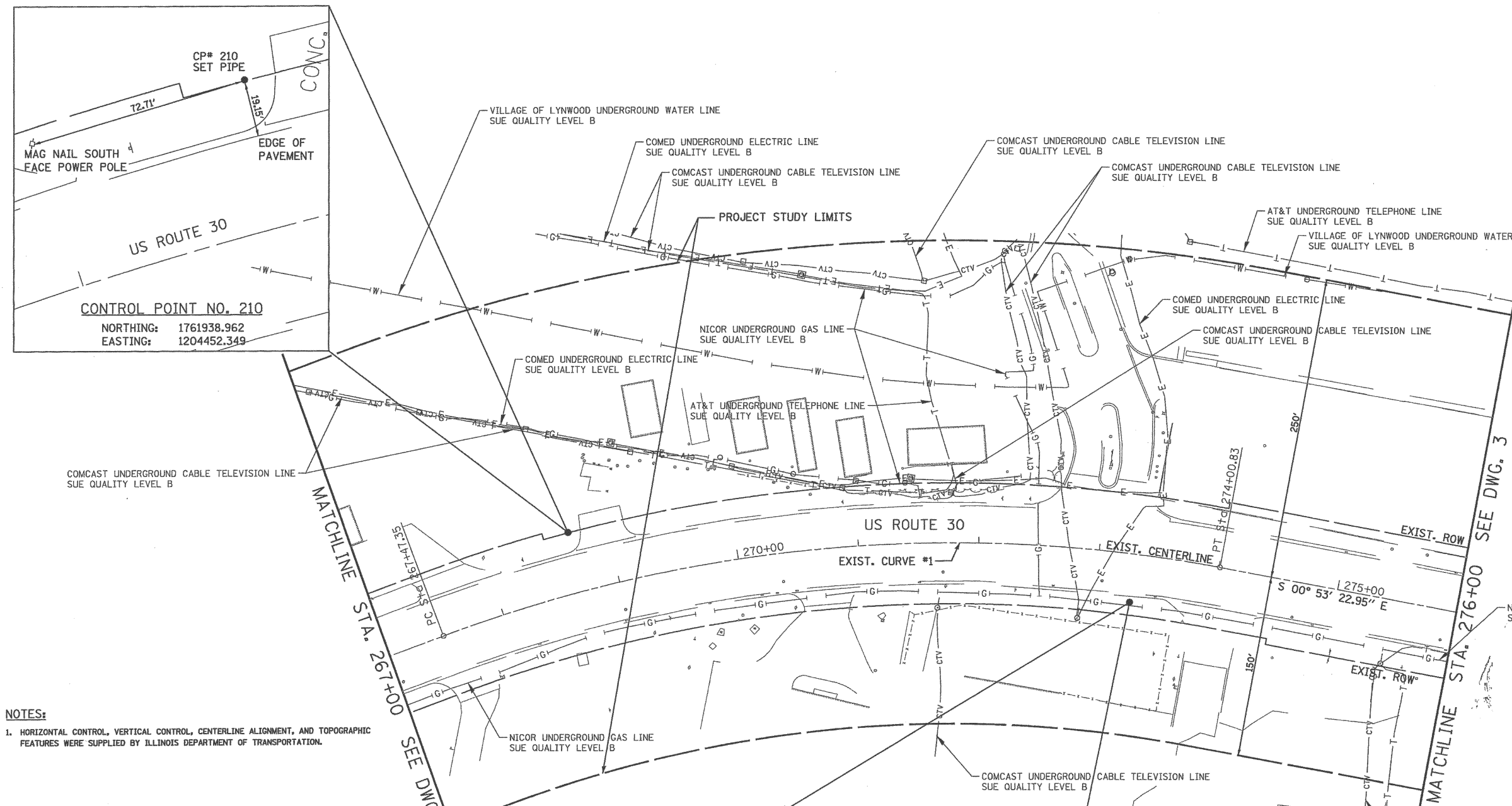
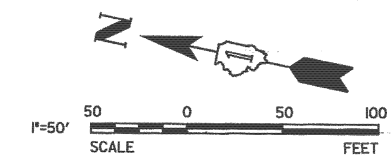
USER NAME = hshh	DESIGNED - DTE	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 50.0000' / in.	CHECKED - VJD	REVISED -
PLOT DATE = 8/21/2013	DATE - 08/14/2013	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUBSURFACE UTILITY EXPLORATION PLANS**

SCALE: 1" = 50'    SHEET NO. 1 OF 12 SHEETS    STA.    TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	127
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				



**NOTES:**  
 1. HORIZONTAL CONTROL, VERTICAL CONTROL, CENTERLINE ALIGNMENT, AND TOPOGRAPHIC FEATURES WERE SUPPLIED BY ILLINOIS DEPARTMENT OF TRANSPORTATION.

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

UTILITY(IES) SHOWN HEREON HAVE BEEN INVESTIGATED BY ASE IN ACCORDANCE WITH SUE INDUSTRY STANDARDS QUALITY LEVEL A (QLA) AND B (QLB). ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED BY OTHERS.

FIELD WORK WAS PERFORMED BETWEEN THE 25TH OF AUGUST AND 3RD DAY OF NOVEMBER, A.D., 2010.

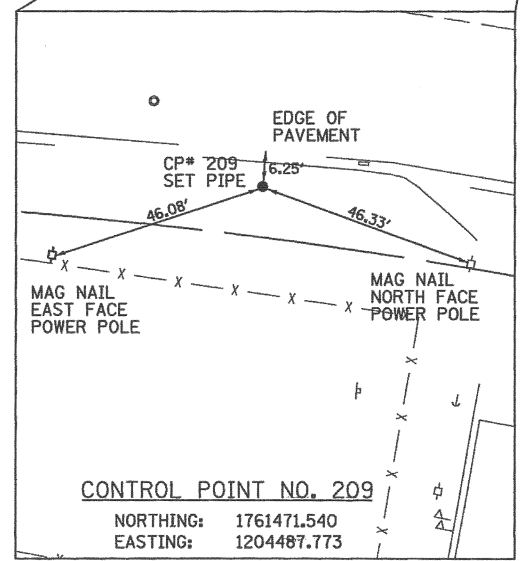
IN WITNESS WHEREOF, I HAVE HERUNTO SET MY HAND AND SEAL THIS 4TH DAY OF NOVEMBER A.D., 2010. CHICAGO, IL.



*Steven M. Rienks*  
 STEVEN M. RIENKS - ILLINOIS PROFESSIONAL ENGINEER NUMBER 62-044619  
 MY LICENSE EXPIRES 11/30/2011

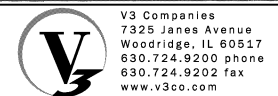
**LEGEND**

—T—	EXISTING UNDERGROUND TELEPHONE
—W—	EXISTING UNDERGROUND WATER
—E—	EXISTING UNDERGROUND ELECTRIC
—G—	EXISTING UNDERGROUND GAS
—CTV—	EXISTING UNDERGROUND CABLE TV
—FO—	EXISTING UNDERGROUND FIBER OPTIC
—SS—	EXISTING UNDERGROUND SANITARY SEWER
—EOGI—	END OF SURFACE GEOPHYSICAL INFORMATION



**EXIST. CURVE #1**  
 PI STA. = 270+82.35 (N=1,761,738.9266 E= 1,204,525.6003)  
 DELTA = 31° 05' 52.35" (RT)  
 D = 04° 45' 31.63"  
 T = 335.01'  
 L = 653.48'  
 R = 1,204.00'  
 E = 45.74'  
 PC STA. = 267+47.35 (N=1,762,023.0667 E=1,204,348.1355)  
 PT STA. = 274+00.83 (N=1,761,403.9605 E=1,204,530.8022)

**AMERICAN**  
 SURVEYING & ENGINEERING, P.C.  
 SURVEYORS - ENGINEERS  
 GEODESISTS - MAPPING SCIENTISTS  
 Chicago 312-277-2000 / Fax 312-277-2002  
 Dixon 815-288-6231 / Fax 815-288-6277  
 Aurora 630-897-4105 / Fax 630-897-4121  
 Illinois Professional Design Firm No. 184-003192



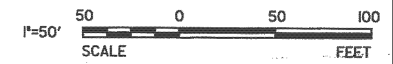
USER NAME = hshsh	DESIGNED - DTE	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - DRP	REVISED -
PLOT DATE = 8/21/2013	CHECKED - VJD	REVISED -
	DATE - 08/14/2013	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

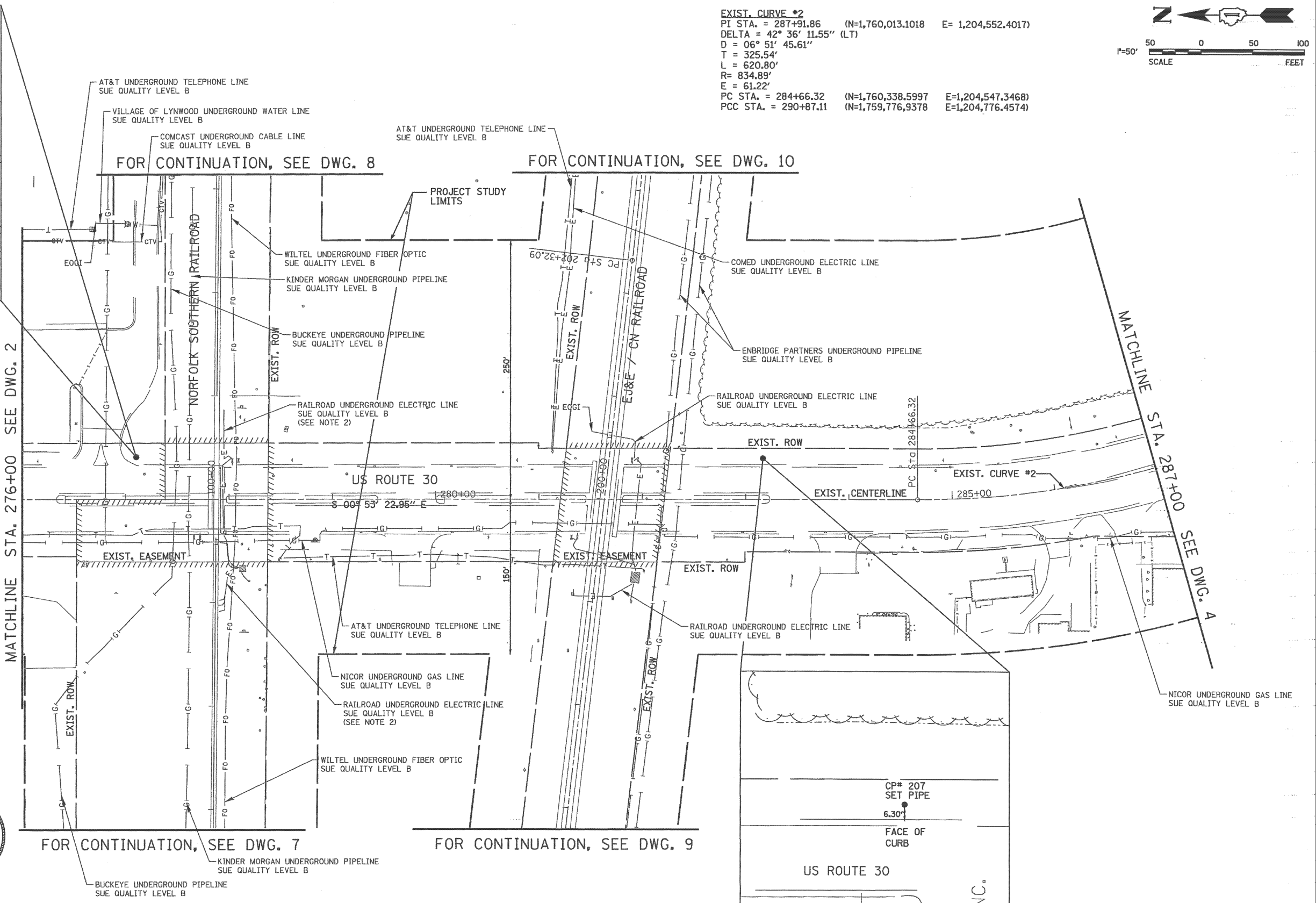
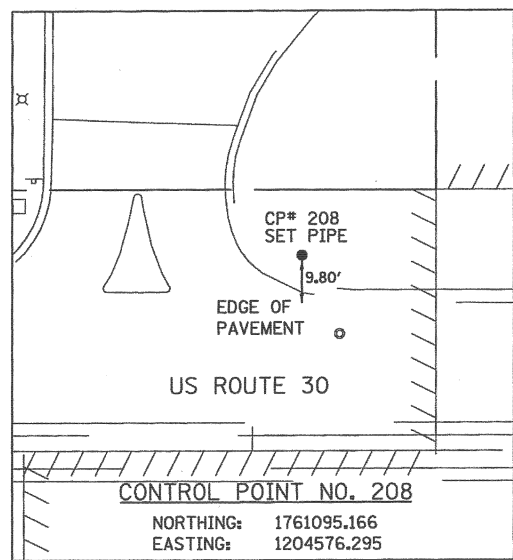
**SUBSURFACE UTILITY EXPLORATION PLANS**

SCALE: 1" = 50' SHEET NO. 2 OF 12 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	128
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				



EXIST. CURVE #2  
 PI STA. = 287+91.86 (N=1,760,013.1018 E= 1,204,552.4017)  
 DELTA = 42° 36' 11.55" (LT)  
 D = 06° 51' 45.61"  
 T = 325.54'  
 L = 620.80'  
 R= 834.89'  
 E = 61.22'  
 PC STA. = 284+66.32 (N=1,760,338.5997 E=1,204,547.3468)  
 PCC STA. = 290+87.11 (N=1,759,776.9378 E=1,204,776.4574)



- LEGEND**
- T — EXISTING UNDERGROUND TELEPHONE
  - W — EXISTING UNDERGROUND WATER
  - E — EXISTING UNDERGROUND ELECTRIC
  - G — EXISTING UNDERGROUND GAS
  - CTV — EXISTING UNDERGROUND CABLE TV
  - FO — EXISTING UNDERGROUND FIBER OPTIC
  - S — EXISTING UNDERGROUND SANITARY SEWER
  - EOGI — END OF SURFACE GEOPHYSICAL INFORMATION

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

UTILITY(IES) SHOWN HEREON HAVE BEEN INVESTIGATED BY ASE IN ACCORDANCE WITH SUE INDUSTRY STANDARDS QUALITY LEVEL A (QLA) AND B (QLB). ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED BY OTHERS.

FIELD WORK WAS PERFORMED BETWEEN THE 25TH OF AUGUST AND 3RD DAY OF NOVEMBER, A.D., 2010.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND SEAL THIS 4TH DAY OF NOVEMBER A.D., 2010. CHICAGO, IL.



*Steven M. Rienks*  
 STEVEN M. RIENKS - ILLINOIS PROFESSIONAL ENGINEER NUMBER 62-044619  
 MY LICENSE EXPIRES 11/30/2011

- NOTES:**
- HORIZONTAL CONTROL, VERTICAL CONTROL, CENTERLINE ALIGNMENT, AND TOPOGRAPHIC FEATURES WERE SUPPLIED BY ILLINOIS DEPARTMENT OF TRANSPORTATION.
  - ELECTRIC UTILITIES SHOWN FOR THE NORFOLK SOUTHERN RAILROAD WERE DESIGNATED BY NORFOLK RAILROAD AND SURVEYED BY AMERICAN SURVEYING AND ENGINEERING.

**AMERICAN**  
 SURVEYING & ENGINEERING, P.C.  
 SURVEYORS - ENGINEERS  
 GEODESISTS - MAPPING SCIENTISTS

Chicago 312-277-2000 / Fax 312-277-2002  
 Dixon 815-288-6231 / Fax 815-288-6277  
 Aurora 603-697-4105 / Fax 630-697-4121  
 Illinois Professional Design Firm No. 184-003192

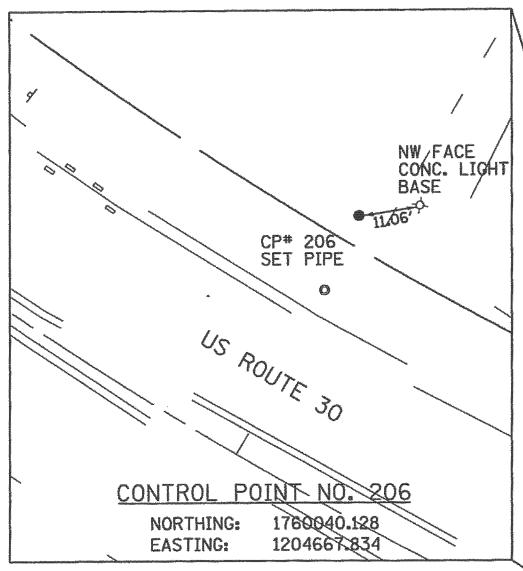
V3 Companies  
 7325 Janes Avenue  
 Woodridge, IL 60517  
 630.724.9200 phone  
 630.724.9202 fax  
 www.v3co.com

USER NAME = hshsh	DESIGNED - DTE	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - DRP	REVISED -
PLOT DATE = 8/21/2013	CHECKED - VJD	REVISED -
	DATE - 08/14/2013	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

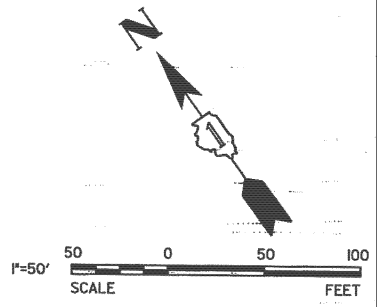
SCALE: 1" = 50'	SHEET NO. 3 OF 12 SHEETS	STA. TO STA.
-----------------	--------------------------	--------------

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	129
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				



**EXIST. CURVE #2**  
 PI STA. = 287+91.86 (N=1,760,013.1018 E= 1,204,552.4017)  
 DELTA = 42° 36' 11.55" (LT)  
 D = 06° 51' 45.61"  
 T = 325.54'  
 L = 620.80'  
 R = 834.89'  
 E = 61.22'  
 PCC STA. = 284+66.32 (N=1,760,338.5997 E=1,204,547.3468)  
 PT STA. = 290+87.11 (N=1,759,776.9378 E=1,204,776.4574)

**EXIST. CURVE #3**  
 PI STA. = 293+07.26 (N=1,759,617.2350 E= 1,204,927.9723)  
 DELTA = 33° 52' 53.03" (LT)  
 D = 07° 55' 40.03"  
 T = 220.1403'  
 L = 427.37'  
 R = 722.72'  
 E = 32.78'  
 PC STA. = 290+87.11 (N=1,759,776.9378 E=1,204,776.4574)  
 PT STA. = 295+14.49 (N=1,759,569.1165 E=1,205,142.7894)



- LEGEND**
- T — EXISTING UNDERGROUND TELEPHONE
  - W — EXISTING UNDERGROUND WATER
  - E — EXISTING UNDERGROUND ELECTRIC
  - G — EXISTING UNDERGROUND GAS
  - CTV — EXISTING UNDERGROUND CABLE TV
  - FO — EXISTING UNDERGROUND FIBER OPTIC
  - S — EXISTING UNDERGROUND SANITARY SEWER
  - EOGI — END OF SURFACE GEOPHYSICAL INFORMATION

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

UTILITY(IES) SHOWN HEREON HAVE BEEN INVESTIGATED BY ASE IN ACCORDANCE WITH SUE INDUSTRY STANDARDS QUALITY LEVEL A (QLA) AND B (QLB). ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED BY OTHERS.

FIELD WORK WAS PERFORMED BETWEEN THE 25TH OF AUGUST AND 3RD DAY OF NOVEMBER, A.D., 2010.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND SEAL THIS 4TH DAY OF NOVEMBER A.D., 2010. CHICAGO, IL.

*Steven M. Rienks*  
 STEVEN M. RIENKS - ILLINOIS PROFESSIONAL ENGINEER NUMBER 62-044619  
 MY LICENSE EXPIRES 11/30/2011



**NOTES:**

1. HORIZONTAL CONTROL, VERTICAL CONTROL, CENTERLINE ALIGNMENT, AND TOPOGRAPHIC FEATURES WERE SUPPLIED BY ILLINOIS DEPARTMENT OF TRANSPORTATION.

**AMERICAN**  
 SURVEYING & ENGINEERING, P.C.  
 SURVEYORS - ENGINEERS  
 GEODESISTS - MAPPING SCIENTISTS

Chicago 312-277-2000 / Fax 312-277-2002  
 Dixon 815-288-6231 / Fax 815-288-6277  
 Aurora 603-897-4105 / Fax 630-897-4121  
 Illinois Professional Design Firm No. 184-003192



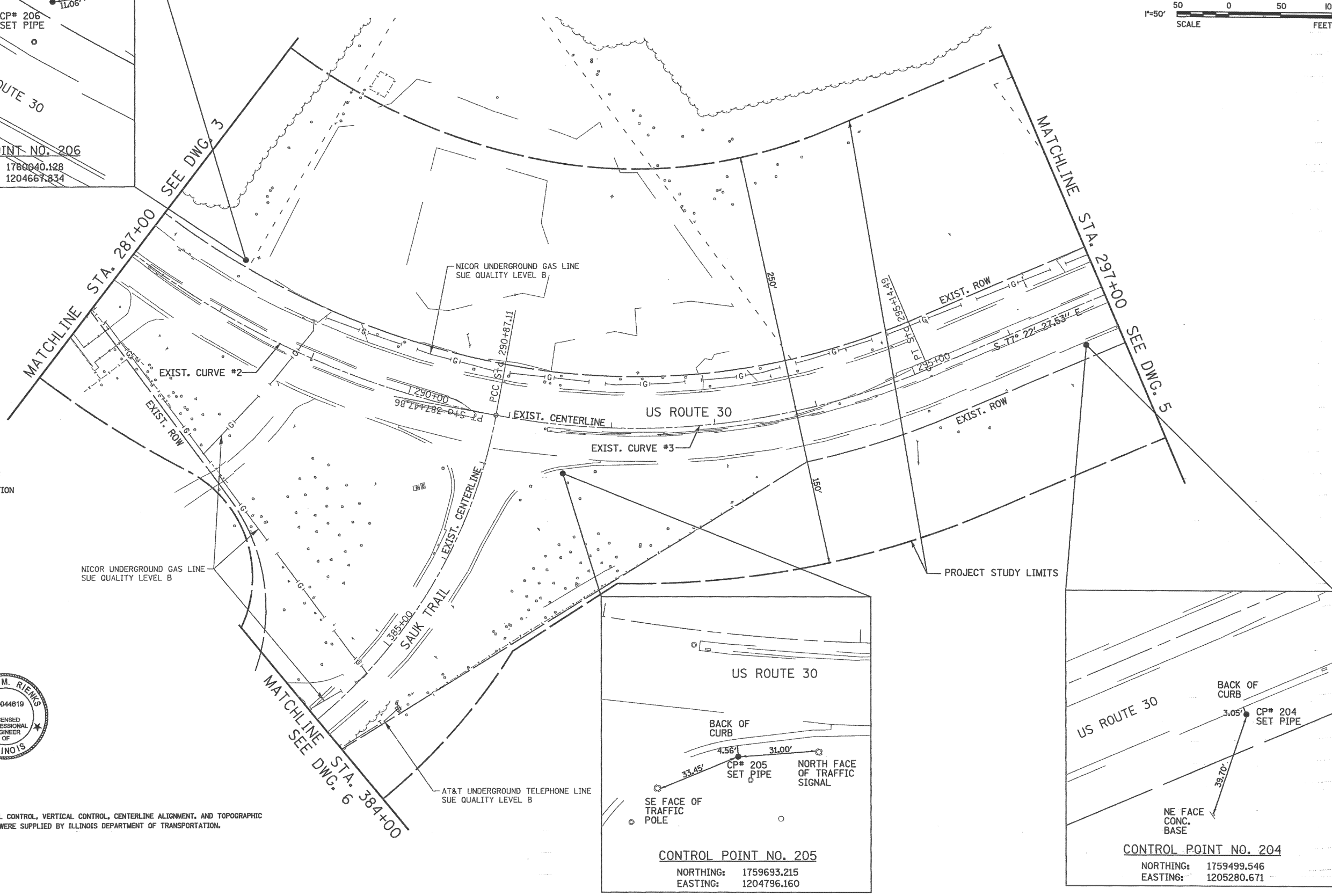
USER NAME = hshsh	DESIGNED - DTE	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - DRP	REVISED -
PLOT DATE = 8/21/2013	CHECKED - VJD	REVISED -
	DATE - 08/14/2013	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

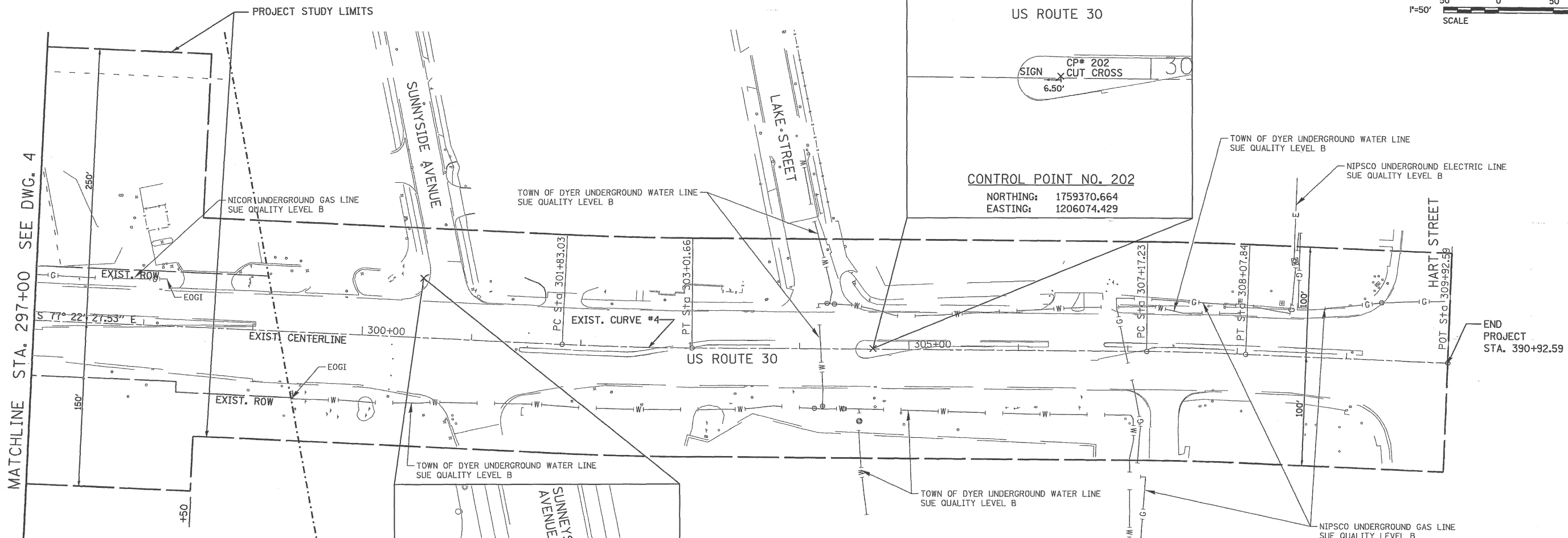
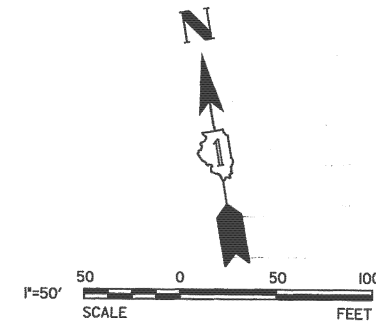
**SUBSURFACE UTILITY EXPLORATION PLANS**

SCALE: 1" = 50' SHEET NO. 4 OF 12 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	130
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				



EXIST. CURVE #4  
 PI STA. = 302+42.35 (N=1,759,410.0196 E= 1,205,853.0525)  
 DELTA = 02° 22' 21.96" (LT)  
 D = 02° 00' 00.00"  
 T = 59.33'  
 L = 118.64'  
 R = 2,864.79'  
 E = 0.61'  
 PC STA. = 301+83.03 (N=1,759,422,9874 E=1,205,795.1594)  
 PT STA. = 303+01.66 (N=1,759,399.4596 E=1,205,911.4327)



MATCHLINE STA. 297+00 SEE DWG. 4

END PROJECT STA. 390+92.59

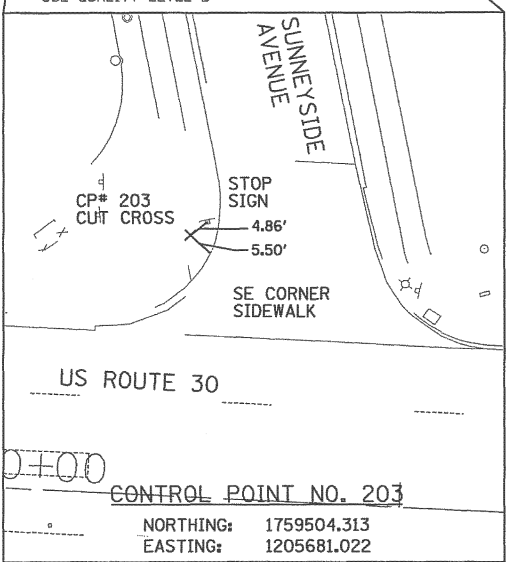
STATE OF ILLINOIS )  
 COUNTY OF COOK ) S.S.

UTILITY(IES) SHOWN HEREON HAVE BEEN INVESTIGATED BY ASE IN ACCORDANCE WITH SUE INDUSTRY STANDARDS QUALITY LEVEL A (QLA) AND B (QLB). ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED BY OTHERS.

FIELD WORK WAS PERFORMED BETWEEN THE 25TH OF AUGUST AND 3RD DAY OF NOVEMBER, A.D., 2010.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND SEAL THIS 4TH DAY OF NOVEMBER A.D., 2010. CHICAGO, IL.

*Steven M. Rienks*  
 STEVEN M. RIENKS - ILLINOIS PROFESSIONAL ENGINEER NUMBER 62-044619  
 MY LICENSE EXPIRES 11/30/2011

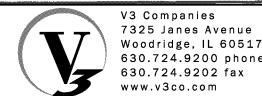


- LEGEND**
- T — EXISTING UNDERGROUND TELEPHONE
  - W — EXISTING UNDERGROUND WATER
  - E — EXISTING UNDERGROUND ELECTRIC
  - G — EXISTING UNDERGROUND GAS
  - CTV — EXISTING UNDERGROUND CABLE TV
  - FO — EXISTING UNDERGROUND FIBER OPTIC
  - S — EXISTING UNDERGROUND SANITARY SEWER
  - EOGI END OF SURFACE GEOPHYSICAL INFORMATION

**NOTES:**

1. HORIZONTAL CONTROL, VERTICAL CONTROL, CENTERLINE ALIGNMENT, AND TOPOGRAPHIC FEATURES WERE SUPPLIED BY ILLINOIS DEPARTMENT OF TRANSPORTATION.

**AMERICAN**  
 SURVEYING & ENGINEERING, P.C.  
 SURVEYORS • ENGINEERS  
 GEODESISTS • MAPPING SCIENTISTS  
 Chicago 312-277-2000 / Fax 312-277-2002  
 Dixon 815-288-6231 / Fax 815-288-6277  
 Aurora 630-897-4105 / Fax 630-897-4121  
 Illinois Professional Design Firm No. 184-003192



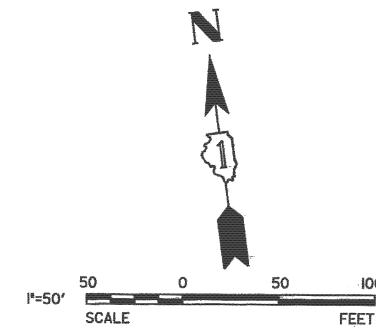
USER NAME = hshsh	DESIGNED - DTE	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - DRP	REVISED -
PLOT DATE = 8/21/2013	CHECKED - VJD	REVISED -
	DATE - 08/14/2013	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUBSURFACE UTILITY EXPLORATION PLANS

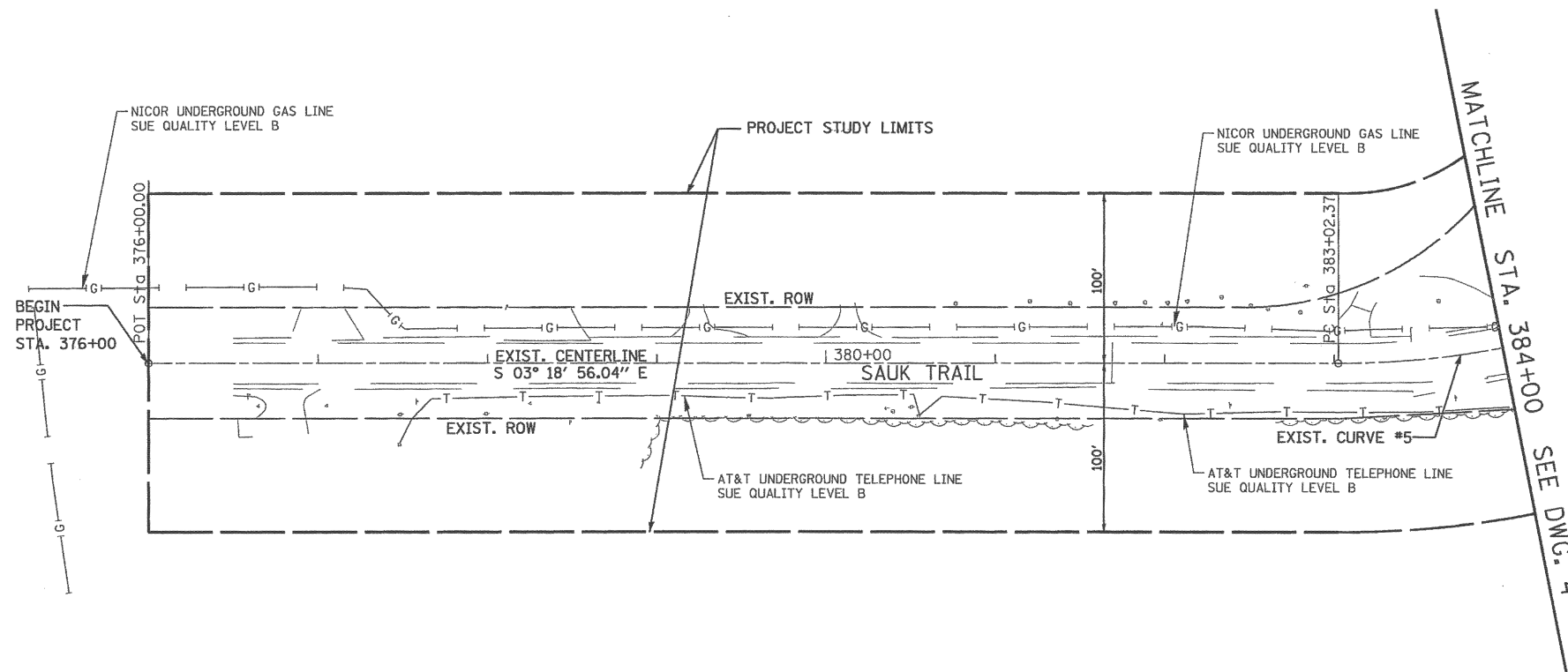
SCALE: 1" = 50' SHEET NO. 5 OF 12 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	131
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				



**LEGEND**

—T—	EXISTING UNDERGROUND TELEPHONE
—W—	EXISTING UNDERGROUND WATER
—E—	EXISTING UNDERGROUND ELECTRIC
—G—	EXISTING UNDERGROUND GAS
—CTV—	EXISTING UNDERGROUND CABLE TV
—FO—	EXISTING UNDERGROUND FIBER OPTIC
—SS—	EXISTING UNDERGROUND SANITARY SEWER
EOGI	END OF SURFACE GEOPHYSICAL INFORMATION



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

UTILITY(IES) SHOWN HEREON HAVE BEEN INVESTIGATED BY ASE IN ACCORDANCE WITH SUE INDUSTRY STANDARDS QUALITY LEVEL A (QLA) AND B (QLB). ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED BY OTHERS.

FIELD WORK WAS PERFORMED BETWEEN THE 25TH OF AUGUST AND 3RD DAY OF NOVEMBER, A.D., 2010.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND SEAL THIS 4TH DAY OF NOVEMBER A.D., 2010. CHICAGO, IL.



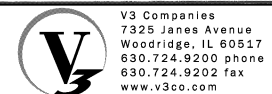
*Steven M. Rienks*  
 STEVEN M. RIENKS - ILLINOIS PROFESSIONAL ENGINEER NUMBER 62-044619  
 MY LICENSE EXPIRES 11/30/2011

**EXIST. CURVE #5**  
 PI STA. = 385+41.12 (N=1,759,611.8406 E= 1,204,603.9876)  
 DELTA = 51° 02' 57.56\" (LT)  
 D = 11° 27' 32.96\"  
 T = 238.75'  
 L = 445.49'  
 R = 500.00'  
 E = 54.08'  
 PC STA. = 383+02.37 (N=1,759,642.2886 E=1,204,367.1850)  
 PT STA. = 387+47.86 (N=1,759,776.8578 E=1,204,776.5328)

**NOTES:**

- HORIZONTAL CONTROL, VERTICAL CONTROL, CENTERLINE ALIGNMENT, AND TOPOGRAPHIC FEATURES WERE SUPPLIED BY ILLINOIS DEPARTMENT OF TRANSPORTATION.

**AMERICAN**  
 SURVEYING & ENGINEERING, P.C.  
 SURVEYORS • ENGINEERS  
 GEODESISTS • MAPPING SCIENTISTS  
 Chicago 312-277-2000 / Fax 312-277-2002  
 Dixon 815-288-6231 / Fax 815-288-6277  
 Aurora 603-997-4105 / Fax 630-997-4121  
 Illinois Professional Design Firm No. 184-003192



USER NAME = hshsh	DESIGNED - DTE	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 50.0000' / in.	CHECKED - VJD	REVISED -
PLOT DATE = 8/21/2013	DATE - 08/14/2013	REVISED -

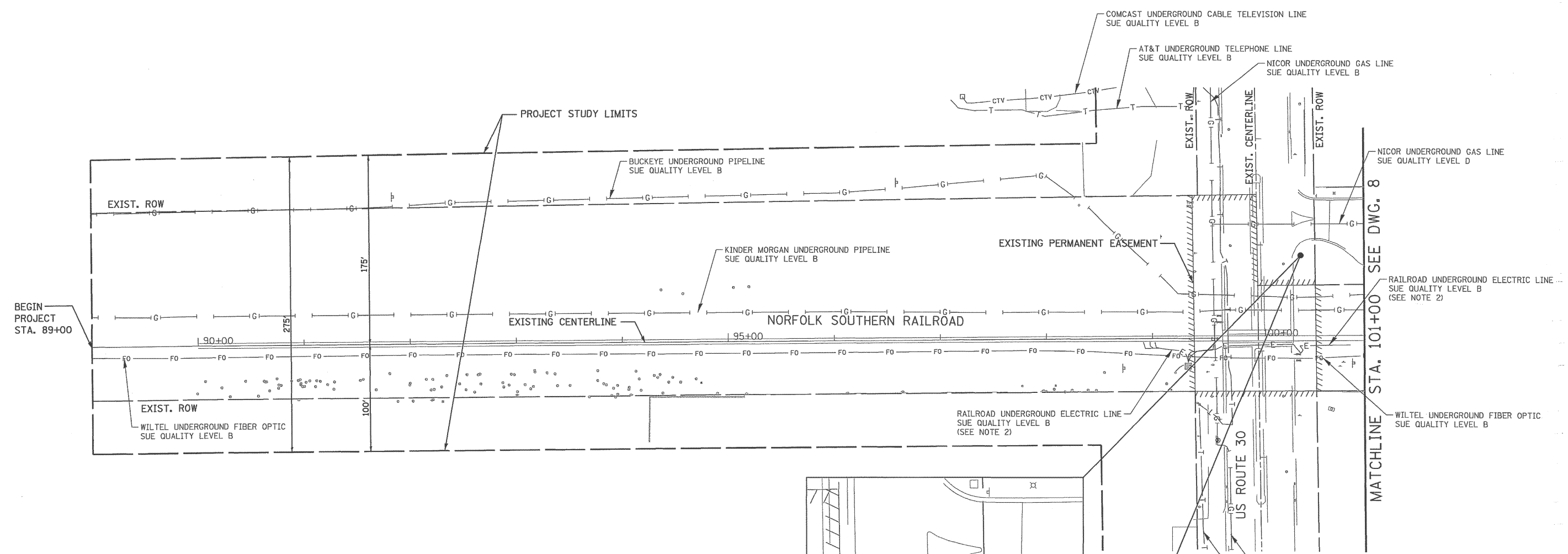
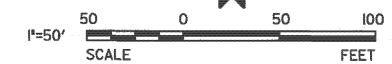
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUBSURFACE UTILITY EXPLORATION PLANS**

SCALE: 1" = 50' SHEET NO. 6 OF 12 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	132
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				





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

UTILITY(IES) SHOWN HEREON HAVE BEEN INVESTIGATED BY ASE IN ACCORDANCE WITH SUE INDUSTRY STANDARDS QUALITY LEVEL A (QLA) AND B (QLB). ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED BY OTHERS.

FIELD WORK WAS PERFORMED BETWEEN THE 25TH OF AUGUST AND 3RD DAY OF NOVEMBER, A.D., 2010.

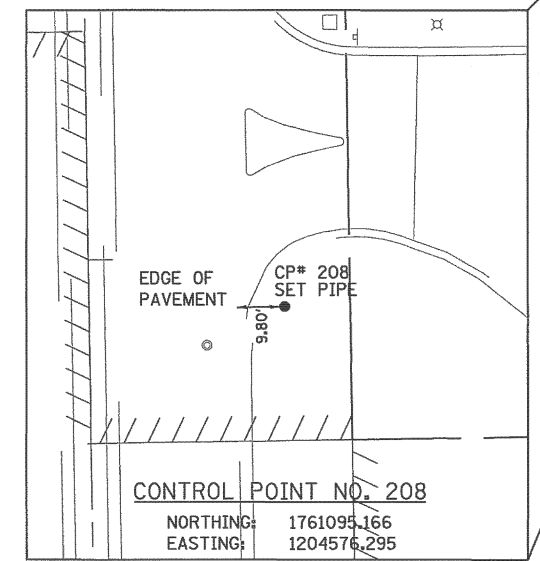
IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND SEAL THIS 4TH DAY OF NOVEMBER A.D., 2010. CHICAGO, IL.

*Steven M. Rienks*  
 STEVEN M. RIENKS - ILLINOIS PROFESSIONAL ENGINEER NUMBER 62-044619  
 MY LICENSE EXPIRES 11/30/2011



**LEGEND**

- T — EXISTING UNDERGROUND TELEPHONE
- W — EXISTING UNDERGROUND WATER
- E — EXISTING UNDERGROUND ELECTRIC
- G — EXISTING UNDERGROUND GAS
- CTV — EXISTING UNDERGROUND CABLE TV
- FO — EXISTING UNDERGROUND FIBER OPTIC
- EOGI — EXISTING UNDERGROUND SANITARY SEWER
- EOGI — END OF SURFACE GEOPHYSICAL INFORMATION



**NOTES:**

- HORIZONTAL CONTROL, VERTICAL CONTROL, CENTERLINE ALIGNMENT, AND TOPOGRAPHIC FEATURES WERE SUPPLIED BY ILLINOIS DEPARTMENT OF TRANSPORTATION.
- ELECTRIC UTILITIES SHOWN FOR THE NORFOLK SOUTHERN RAILROAD WERE DESIGNATED BY NORFOLK RAILROAD AND SURVEYED BY AMERICAN SURVEYING AND ENGINEERING.

**AMERICAN**  
 SURVEYING & ENGINEERING, P.C.  
 SURVEYORS - ENGINEERS  
 GEODESISTS - MAPPING SCIENTISTS  
 Chicago 312-277-2000 / Fax 312-277-2002  
 Dixon 815-288-6231 / Fax 815-288-6277  
 Aurora 603-997-4105 / Fax 630-897-4121  
 Illinois Professional Design Firm No. 184-003192



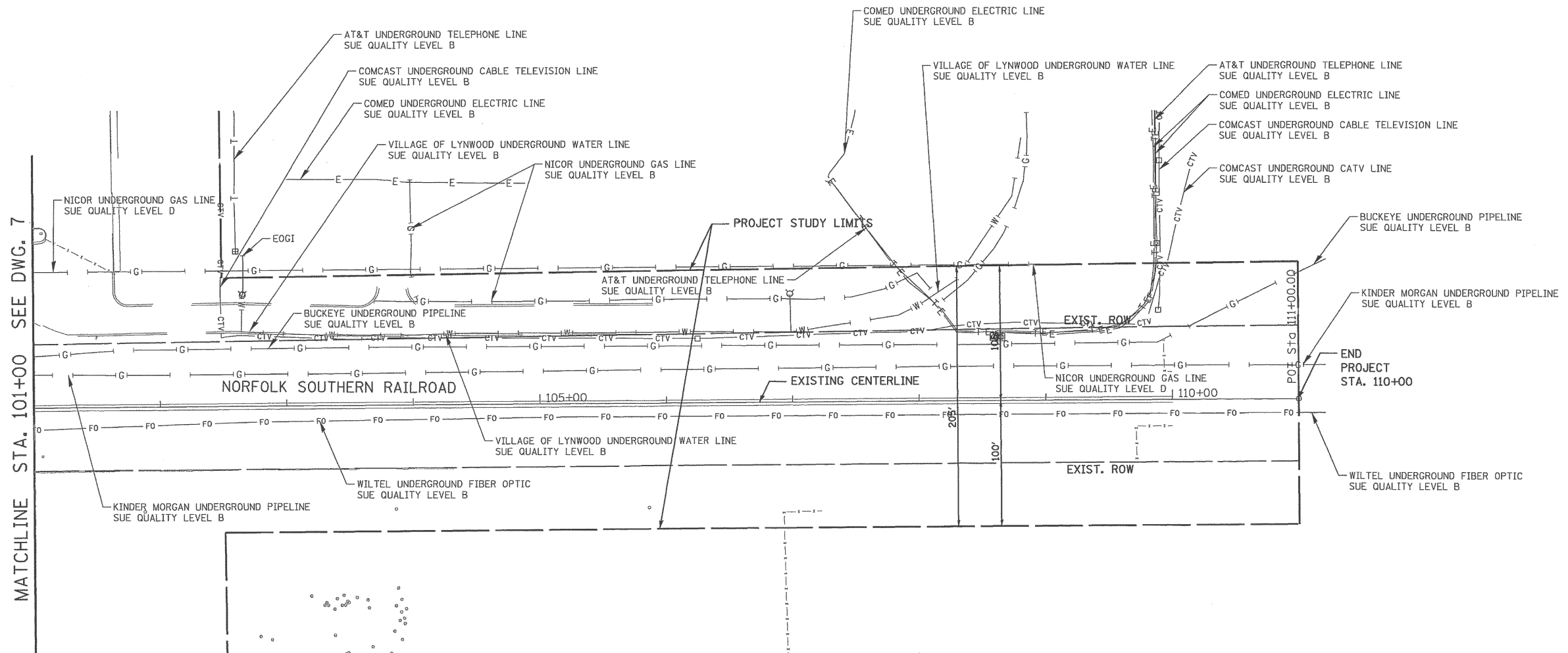
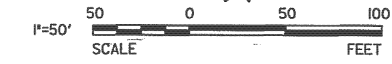
USER NAME = hshsh	DESIGNED - DTE	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 50.0000' / in.	CHECKED - VJD	REVISED -
PLOT DATE = 8/21/2013	DATE - 08/14/2013	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUBSURFACE UTILITY EXPLORATION PLANS**

SCALE: 1" = 50' SHEET NO. 7 OF 12 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	133
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				



**NOTES:**  
 1. HORIZONTAL CONTROL, VERTICAL CONTROL, CENTERLINE ALIGNMENT, AND TOPOGRAPHIC FEATURES WERE SUPPLIED BY ILLINOIS DEPARTMENT OF TRANSPORTATION.

STATE OF ILLINOIS )  
 COUNTY OF COOK ) S.S.  
 UTILITY(IES) SHOWN HEREON HAVE BEEN INVESTIGATED BY ASE IN ACCORDANCE WITH SUE INDUSTRY STANDARDS QUALITY LEVEL A (QLA) AND B (QLB). ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED BY OTHERS.  
 FIELD WORK WAS PERFORMED BETWEEN THE 25TH OF AUGUST AND 3RD DAY OF NOVEMBER, A.D., 2010.  
 IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND SEAL THIS 4TH DAY OF NOVEMBER A.D., 2010. CHICAGO, IL.

*Steven M. Rienks*  
 STEVEN M. RIENKS - ILLINOIS PROFESSIONAL ENGINEER NUMBER 62-044619  
 MY LICENSE EXPIRES 11/30/2011



**LEGEND**

— T —	EXISTING UNDERGROUND TELEPHONE
— W —	EXISTING UNDERGROUND WATER
— E —	EXISTING UNDERGROUND ELECTRIC
— G —	EXISTING UNDERGROUND GAS
— CTV —	EXISTING UNDERGROUND CABLE TV
— FO —	EXISTING UNDERGROUND FIBER OPTIC
— S —	EXISTING UNDERGROUND SANITARY SEWER
EOGI	END OF SURFACE GEOPHYSICAL INFORMATION

**AMERICAN**  
 SURVEYING & ENGINEERING, P.C.  
 SURVEYORS - ENGINEERS  
 GEODESISTS - MAPPING SCIENTISTS  
 Chicago 312-277-2000 / Fax 312-277-2002  
 Dixon 815-288-6231 / Fax 815-288-6277  
 Aurora 603-897-4105 / Fax 630-897-4121  
 Illinois Professional Design Firm No. 184-003192



USER NAME = hshsh	DESIGNED - DTE	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 50.0000' / in.	CHECKED - VJD	REVISED -
PLOT DATE = 8/21/2013	DATE - 08/14/2013	REVISED -

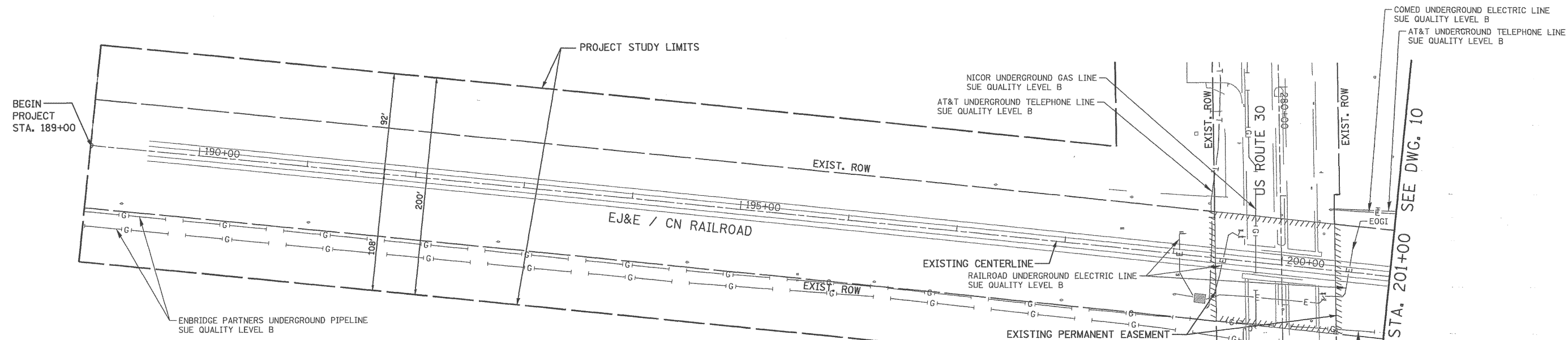
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUBSURFACE UTILITY EXPLORATION PLANS  
 SCALE: 1" = 50' SHEET NO. 8 OF 12 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	134
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				



1"=50'  
SCALE FEET



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

UTILITY(IES) SHOWN HEREON HAVE BEEN INVESTIGATED BY ASE IN ACCORDANCE WITH SUE INDUSTRY STANDARDS QUALITY LEVEL A (QLA) AND B (QLB). ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED BY OTHERS.

FIELD WORK WAS PERFORMED BETWEEN THE 25TH OF AUGUST AND 3RD DAY OF NOVEMBER, A.D., 2010.

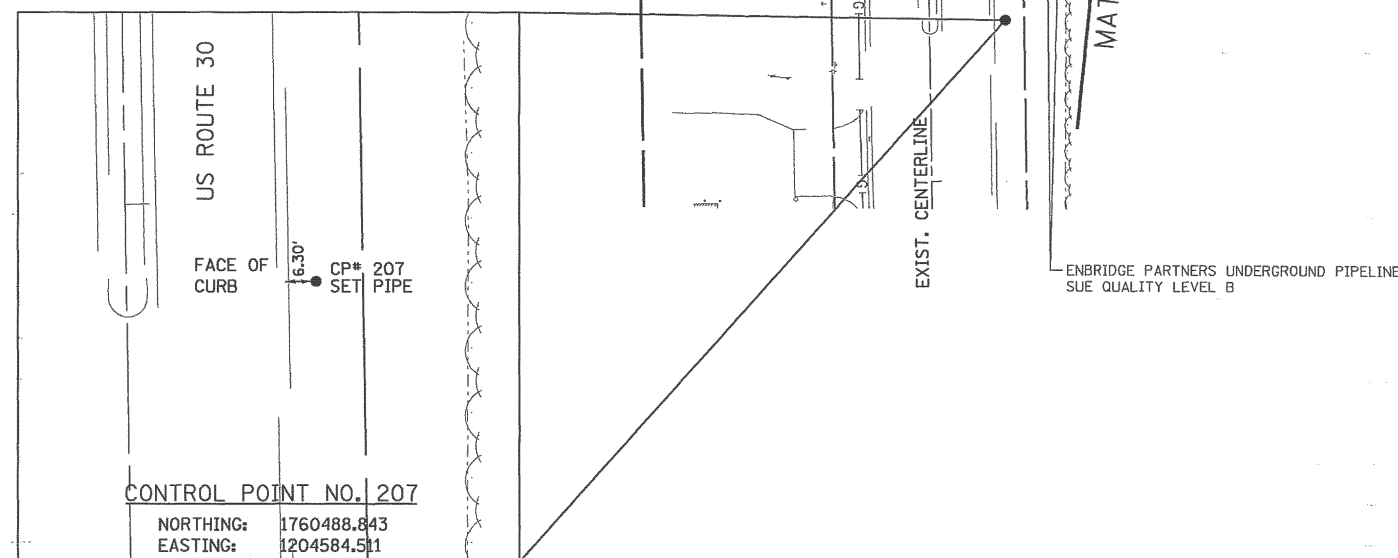
IN WITNESS WHEREOF, I HAVE HERETO SET MY HAND AND SEAL THIS 4TH DAY OF NOVEMBER A.D., 2010. CHICAGO, IL.

*Steven M. Rienks*  
STEVEN M. RIENKS - ILLINOIS PROFESSIONAL ENGINEER NUMBER 62-044619  
MY LICENSE EXPIRES 11/30/2011



**LEGEND**

- T — EXISTING UNDERGROUND TELEPHONE
- W — EXISTING UNDERGROUND WATER
- E — EXISTING UNDERGROUND ELECTRIC
- G — EXISTING UNDERGROUND GAS
- CTV — EXISTING UNDERGROUND CABLE TV
- FO — EXISTING UNDERGROUND FIBER OPTIC
- S — EXISTING UNDERGROUND SANITARY SEWER
- EOGI END OF SURFACE GEOPHYSICAL INFORMATION



**NOTES:**

- HORIZONTAL CONTROL, VERTICAL CONTROL, CENTERLINE ALIGNMENT, AND TOPOGRAPHIC FEATURES WERE SUPPLIED BY ILLINOIS DEPARTMENT OF TRANSPORTATION.

**AMERICAN**  
SURVEYING & ENGINEERING, P.C.  
SURVEYORS - ENGINEERS  
GEODESISTS - MAPPING SCIENTISTS  
Chicago 312-277-2000 / Fax 312-277-2002  
Dixons 815-288-6231 / Fax 815-288-6217  
Aurora 630-897-4105 / Fax 630-897-4121  
Illinois Professional Design Firm No. 184-003192



USER NAME = hshsh	DESIGNED - DTE	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 50.0000' / in.	CHECKED - VJD	REVISED -
PLOT DATE = 8/21/2013	DATE - 08/14/2013	REVISED -

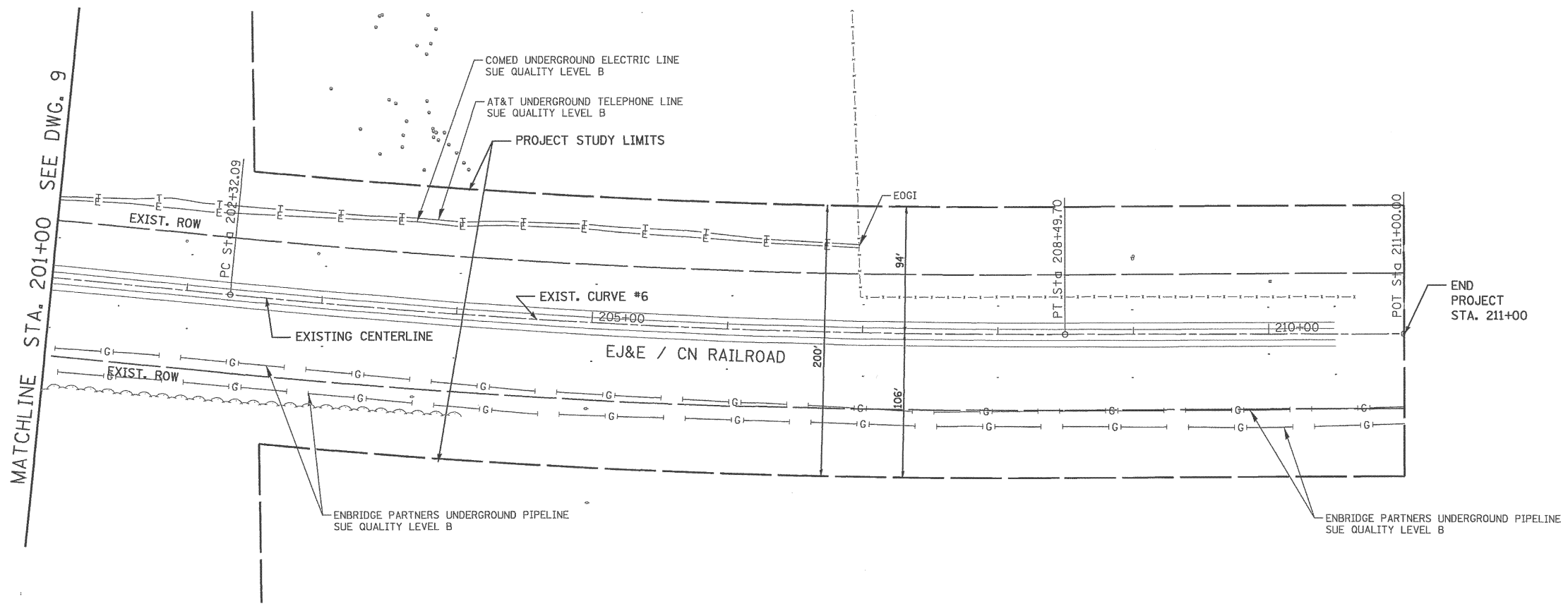
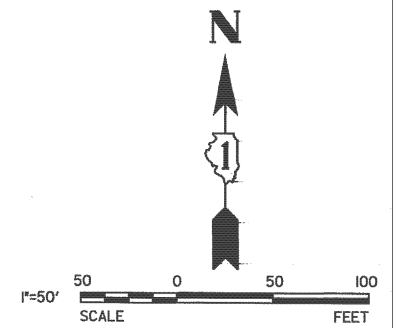
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBSURFACE UTILITY EXPLORATION PLANS

SCALE: 1" = 50' SHEET NO. 9 OF 12 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	135
CONTRACT NO. 60R19				

ILLINOIS FED. AID PROJECT



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

UTILITY(IES) SHOWN HEREON HAVE BEEN INVESTIGATED BY ASE IN ACCORDANCE WITH SUE INDUSTRY STANDARDS QUALITY LEVEL A (QLA) AND B (QLB). ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED BY OTHERS.

FIELD WORK WAS PERFORMED BETWEEN THE 25TH OF AUGUST AND 3RD DAY OF NOVEMBER, A.D., 2010.

IN WITNESS WHEREOF, I HAVE HERUNTO SET MY HAND AND SEAL THIS 4TH DAY OF NOVEMBER A.D., 2010. CHICAGO, IL.

*Steven M. Rienks*  
 STEVEN M. RIENKS - ILLINOIS PROFESSIONAL ENGINEER NUMBER 62-044619  
 MY LICENSE EXPIRES 11/30/2011



**LEGEND**

- T — EXISTING UNDERGROUND TELEPHONE
- W — EXISTING UNDERGROUND WATER
- E — EXISTING UNDERGROUND ELECTRIC
- G — EXISTING UNDERGROUND GAS
- CTV — EXISTING UNDERGROUND CABLE TV
- FO — EXISTING UNDERGROUND FIBER OPTIC
- S — EXISTING UNDERGROUND SANITARY SEWER
- EOGI END OF SURFACE GEOPHYSICAL INFORMATION

**EXIST. CURVE #6**  
 PI STA. = 205+41.17(N=1,760,587.0546 E= 1,205,081.0714)  
 DELTA = 05° 56' 50.10" (LT)  
 D = 00° 57' 46.64"  
 T = 309.08'  
 L = 617.60'  
 R = 5,950.00'  
 E = 8.02'  
 PC STA. = 202+32.09 (N=1,760,618.1476 E=1,204,773.5595)  
 PT STA. = 208+49.70 (N=1,760,587.991 E=1,205,390.1499)

**NOTES:**  
 1. HORIZONTAL CONTROL, VERTICAL CONTROL, CENTERLINE ALIGNMENT, AND TOPOGRAPHIC FEATURES WERE SUPPLIED BY ILLINOIS DEPARTMENT OF TRANSPORTATION.

**AMERICAN**  
 SURVEYING & ENGINEERING, P.C.  
 SURVEYORS - ENGINEERS  
 GEODESISTS - MAPPING SCIENTISTS  
 Chicago 312-271-2000 / Fax 312-271-2002  
 Diverse 815-288-6231 / Fax 815-288-6277  
 Aurora 630-897-4105 / Fax 630-897-4121  
 Illinois Professional Design Firm No. 184-003192

**V3**  
 V3 Companies  
 7325 Janes Avenue  
 Woodridge, IL 60517  
 630.724.9200 phone  
 630.724.9202 fax  
 www.v3co.com

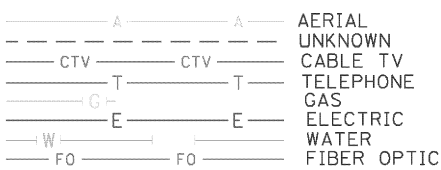
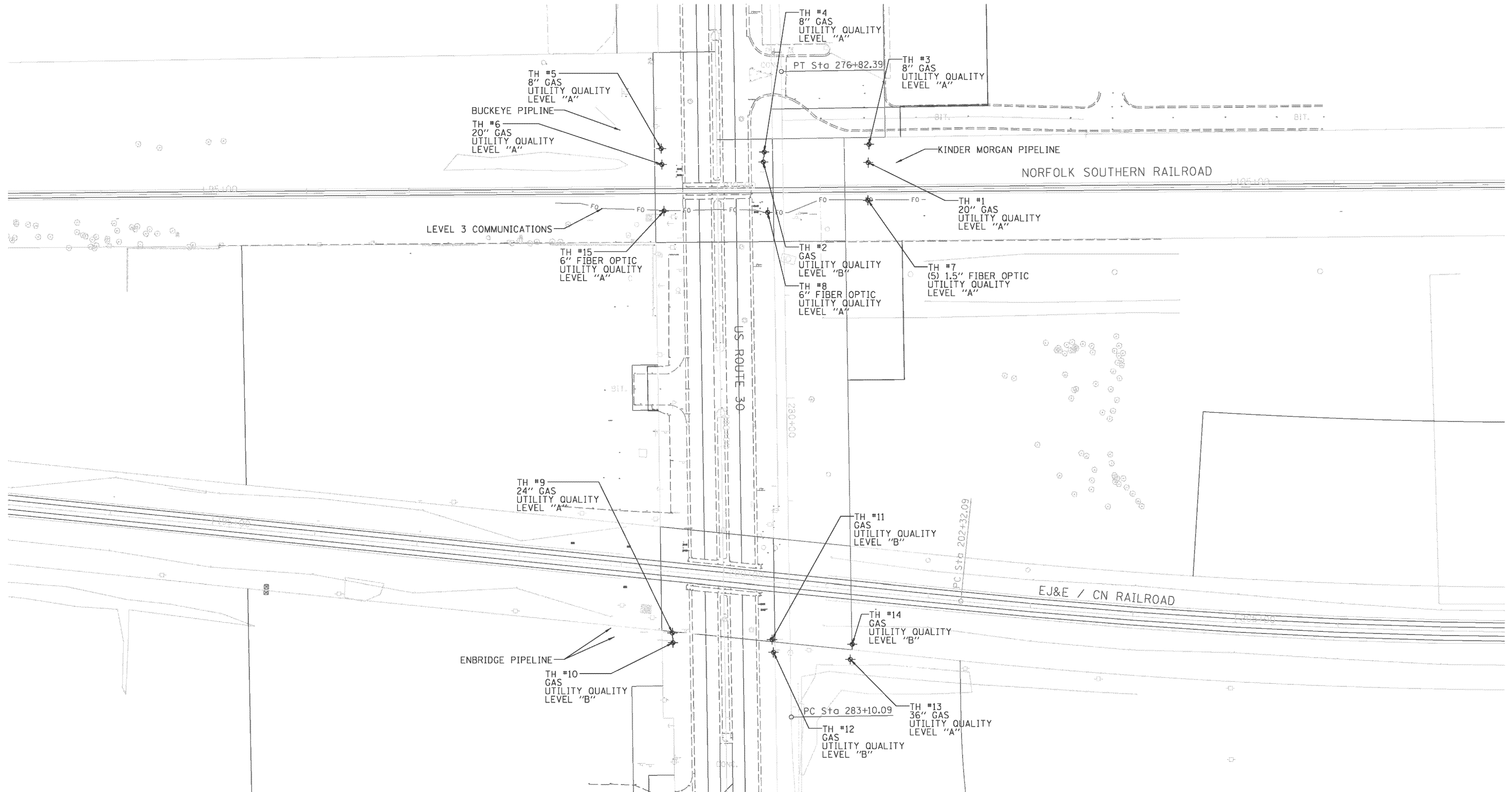
USER NAME = hshsh	DESIGNED - DTE	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 50.0000' / in.	CHECKED - VJD	REVISED -
PLOT DATE = 8/21/2013	DATE - 08/14/2013	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUBSURFACE UTILITY EXPLORATION PLANS**

SCALE: 1" = 50'    SHEET NO. 10 OF 12 SHEETS    STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	136
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				

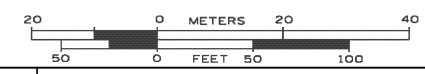


**UTILITY OWNERS**

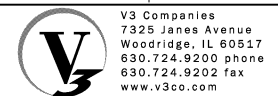
BUCKEYE PIPELINE = GAS  
 ENBRIDGE PIPELINE = GAS  
 KINDER MORGAN PIPELINE = GAS  
 LEVEL 3 COMMUNICATIONS = FIBER OPTIC

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 3/27/12 through 4/03/12. Changes to utilities after 4/03/12 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. IL09510473  
 SUE Plan Page: 1 of 1



USER NAME = hshsh  
 PLOT SCALE = 50.0000' / in.  
 PLOT DATE = 8/21/2013

DESIGNED - DTE  
 DRAWN - DRP  
 CHECKED - VJD  
 DATE - 08/14/2013

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUBSURFACE UTILITY EXPLORATION PLANS**

SCALE: 1" = 50' SHEET NO. 11 OF 12 SHEETS STA. TO STA. 211+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	137
CONTRACT NO. 60R19				

ILLINOIS FED. AID PROJECT



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
30	@ CN RAILROAD	COOK	15	1
		ILLINOIS	CONTRACT NO. _____	

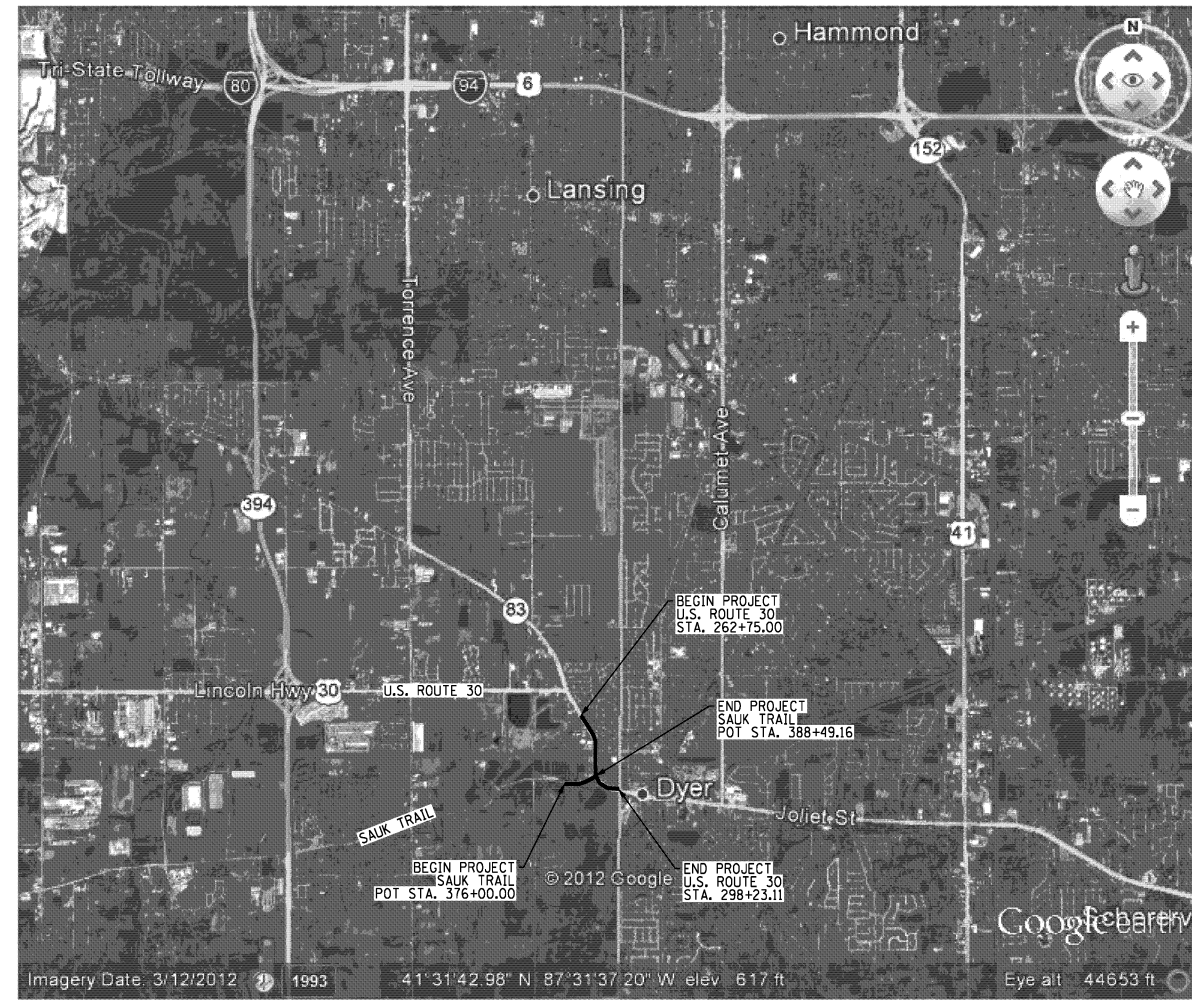
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS**

**PROPOSED  
HIGHWAY PLANS**

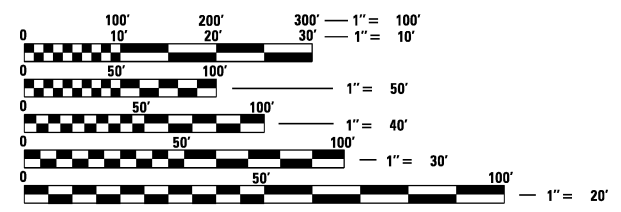
**U.S. ROUTE 30  
SECTION @ CN RAILROAD  
PROJECT  
TYPE of IMPROVEMENT  
COOK COUNTY**

R-90-017-11

- INDEX OF SHEETS**
- 1 COVER SHEET
  - 2-8 PLAT OF HIGHWAYS
  - 9 TOTAL HOLDINGS
  - 10 PROPOSED ALIGNMENT
  - 11 EXISTING ALIGNMENT
  - 12-13 CENTERLINE TIES
  - 14-15 ROW TIES



GROSS LENGTH = 3548.12 FT. = 0.672 MILE



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

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

**PROJECT ENGINEER  
PROJECT MANAGER**

**CONTRACT NO. \_\_\_\_\_**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS**

SUBMITTED \_\_\_\_\_ 20 \_\_\_\_\_

\_\_\_\_\_  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

\_\_\_\_\_  
ENGINEER OF DESIGN AND ENVIRONMENT

\_\_\_\_\_  
20 \_\_\_\_\_

\_\_\_\_\_  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

PART OF THE SW 1/4 SECTION 20, T35N, R15E OF THE 3rd PM, BLOOM TOWNSHIP, COOK COUNTY, ILLINOIS.

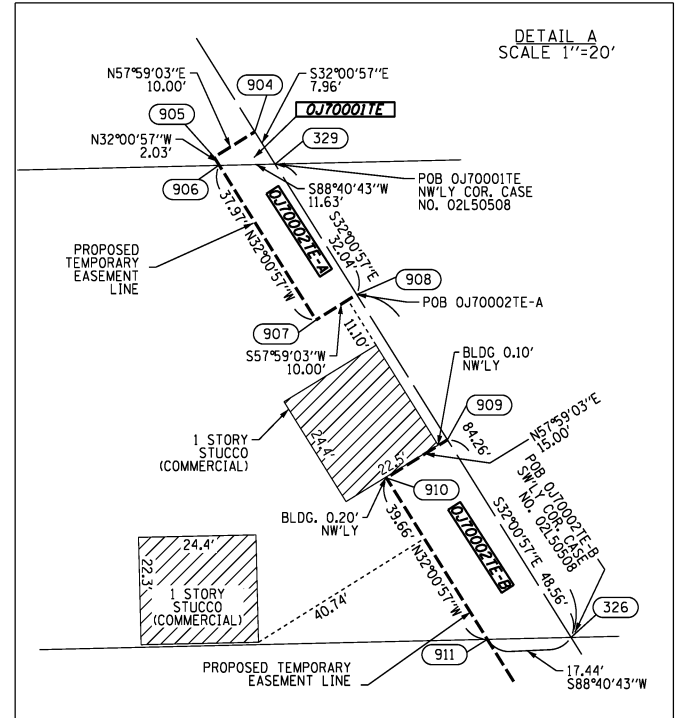
LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- SET 5/8" x 30" REBAR
- FOUND PK NAIL
- SET PK NAIL
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION
- T2 SET 5/8 INCH REBAR FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP AND BEARING SURVEYORS PROFESSIONAL NUMBER.
- T3 IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.
- BT2 BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE.
- BT3 IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS PROFESSIONAL NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- PERMANENT SURVEY MARKER. 1/2" DIA. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

BEARINGS ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, N.A.D. 83 (2007)

OCCUPIED CENTER OF SECTION 20-35-15 FOUND 3/4" OLD REBAR 15" BELOW GRADE N: 1,763,792.4920 E: 1,204,497.9610

PT. NO.	STATION	OFFSET	NORTHING	EASTING
331	259+28.99	75.00' RT.	1,762,676.5622	1,203,851.4267
279	259+50.00	65.00' RT.	1,762,664.0467	1,203,871.0459
278	259+50.00	75.00' RT.	1,762,658.7452	1,203,862.5669
283	262+00.00	55.00' LT.	1,762,515.6898	1,204,105.3325
282	262+00.00	60.00' LT.	1,762,518.3406	1,204,109.5720
285	261+65.00	50.00' RT.	1,762,489.7002	1,203,997.7475
284	261+65.00	65.00' RT.	1,762,481.7479	1,203,985.0290
904	265+42.05	50.00' RT.	1,762,170.7820	1,204,197.1524
905	265+42.05	60.00' RT.	1,762,165.4805	1,204,188.6734
906	265+44.08	60.00' RT.	1,762,163.7622	1,204,189.7477
329	265+50.02	50.00' RT.	1,762,164.0304	1,204,201.3739
908	265+82.05	50.00' RT.	1,762,136.8659	1,204,218.3586
907	265+82.05	60.00' RT.	1,762,131.5644	1,204,209.8795
909	266+17.75	50.00' RT.	1,762,106.6021	1,204,237.2811
910	266+17.75	65.00' RT.	1,762,098.6498	1,204,224.5626
911	266+57.40	65.00' RT.	1,762,065.0236	1,204,245.5875
326	266+66.31	50.00' RT.	1,762,065.4259	1,204,263.0267



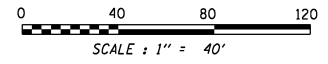
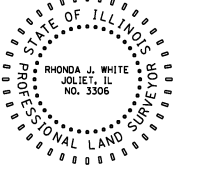
- LEGEND
- POWER POLE
  - STREET SIGN
  - MAIL BOX
  - INLET
  - FENCE

STATE OF ILLINOIS )  
COUNTY OF WILL )

THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 184-004039, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 20, TOWNSHIP 35 NORTH, RANGE 15 EAST OF THE THIRD PRINCIPAL MERIDIAN, 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. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 16TH DAY OF AUGUST, 2013 A.D.

*Rhonda J. White* PRESIDENT  
RHONDA J. WHITE  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003306  
LICENSE EXPIRES NOVEMBER 30, 2014  
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



NOTE: COORDINATES BASED ON ILLINOIS STATE PLANE SYSTEM EAST ZONE, N.A.D. 83 (2007). AVERAGE COMBINED SCALE FACTOR IS 1.00000361.

**CWA SURVEY**  
**CLAASSEN, WHITE & ASSOCIATES, P.C. LAND SURVEYORS**  
121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431  
(815) 744-3720 cklassenwhite@cwasurvey.com  
CWA Job #5857

**PLAT OF HIGHWAYS**  
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**U.S. ROUTE 30**

SECTION: @ CN RAILROAD COOK COUNTY  
PROJECT JOB NO. R-90-017-11  
STATION 262+75 TO STATION 267+00  
SCALE: 1" = 40' SHEET 2 OF 15

**BUREAU OF LAND ACQUISITION**  
201 WEST CENTER COURT  
SCHAMBURG, ILLINOIS 60196-1096

PARCEL NUMBER	OWNER	TOTAL HOLDING	PART TAKEN	REMAINDER	AREA IN EXIST. ROW	EASEMENT	EASEMENT PURPOSE	PERMANENT TAX INDEX NUMBER	PROPERTY ACQUIRED BY
		ACRES	ACRES	ACRES	ACRES	ACRES			
OJ70001TE	CHICAGO TITLE LAND TRUST COMPANY AS SUCCESSOR TO BANK OF LANSING AS TRUSTEE UNDER TRUST AGREEMENT DATED MAY 20, 1987 KNOWN AS TRUST NO. 2040-730	4.802		4.802		0.001 50 SO.FT.		33-20-300-032	
OJ70002TE-A	MARIO LUCIANI AND FINA LUCIANI, HIS WIFE, AS JOINT TENANTS	1.000		1.000		0.008 350 SO.FT. 0.015 662 SO.FT.		33-20-300-020	

PRINTING DATE: AUGUST 16, 2013 JMH /Microstation/Sheet 2R1.dgn

W. LINE SW 1/4 SEC. 20-35-15



PART OF THE SW 1/4 & FRACT. SE 1/4 OF SECTION 20, T35N, R15E OF THE 3rd PM, BLOOM TOWNSHIP, COOK COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDING ACRES	PART TAKEN ACRES	REMAINDER ACRES	AREA IN EXIST. ROW ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT TAX INDEX NUMBER	PROPERTY ACQUIRED BY
OJ70003	CHICAGO TITLE LAND TRUST COMPANY AS SUCCESSOR TO NORTH STAR TRUST COMPANY AS SUCCESSOR TO MB FINANCIAL BANK AS SUCCESSOR TO SOUTH HOLLAND TRUST & SAVINGS BANK, AS TRUSTEE, UNDER A TRUST AGREEMENT DATED SEPTEMBER 15, 1991 AND KNOWN AS TRUST NUMBER 10343	12.460	0.493	11.967		0.008	340 SQ.FT.	33-20-300-036 33-20-300-037	
OJ70003TE-A									
OJ70003TE-B						0.050			
OJ70004	FRANK D. BUSCH AND DEBRA J. BUSCH, HIS WIFE, IN JOINT TENANCY	1.833	0.137	1.696		0.085		33-20-300-021	
OJ70004TE									
OJ70013			0.393					33-20-301-014 & 33-20-301-015	
OJ70013TE-A	EMANUEL PROVATARIS	1.128		0.735		0.023			
OJ70013TE-B						0.016			
OJ70014			0.240						
OJ70014B			0.073						
OJ70014TE-A	MANUFACTURED HOUSING COMMUNITIES LIMITED PARTNERSHIP 126P	104.501		104.188		0.400		33-29-200-001(P1) 33-20-400-001(P1) 33-20-200-010 33-20-103-002 33-20-103-008	
OJ70014TE-B						0.656			
OJ70014TE-C						0.010	435 SQ.FT		

TRAILER PARK  
MOBILE HOMES (TYP.)  
AND STORAGE SHED (TYP.)

**LEGEND**

SECTION CORNER (9 10 16 15)

QUARTER SECTION CORNER (16 15)

SECTION LINE  
QUARTER SECTION LINE  
QUARTER, QUARTER SECTION LINE  
PLATTED LOT LINE  
PROPERTY (DEED) LINE

APL APPARENT PROPERTY LINE  
EXISTING CENTERLINE  
PROPOSED CENTERLINE  
EXISTING RIGHT OF WAY LINE  
PROPOSED RIGHT OF WAY LINE  
PROPOSED EASEMENT  
MEASURED DIMENSION  
COMPUTED DIMENSION  
RECORD DATA

IRON PIPE OR ROD FOUND  
CUT CROSS FOUND OR SET

SET 5/8" x 30" REBAR  
FOUND PK NAIL  
SET PK NAIL

T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION  
T2 SET 5/8 INCH REBAR FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP AND BEARING SURVEYORS PROFESSIONAL NUMBER.  
BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.  
BT2 BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE.  
BT3 IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.

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

STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.  
BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.

PERMANENT SURVEY MARKER, 1/2" DIA. 2135 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS )  
COUNTY OF WILL )

THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 184-004039, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 20, TOWNSHIP 35 NORTH, RANGE 15 EAST OF THE THIRD PRINCIPAL MERIDIAN, 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. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 16TH DAY OF AUGUST, 2013 A.D.

Rhonda J. White PRESIDENT  
RHONDA J. WHITE  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003306  
LICENSE EXPIRES NOVEMBER 30, 2014  
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

SCALE: 1" = 40'

NOTE:  
1. COORDINATES BASED ON ILLINOIS STATE PLANE SYSTEM EAST ZONE, N.A.D. 83 (2007, AVERAGE COMBINED SCALE FACTOR IS 1.00000361.  
2. FOR FRONTAGE ROAD ALIGNMENT AND CURVE DATA, SEE SHEET 10.

BEARINGS ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, N.A.D. 83 (2007)

PT.NO.	STATION	OFFSET	NORTHING	EASTING
948	266+11.28	65.00' LT.	1,762,173.0483	1,204,331.3643
380	266+11.32	55.00' LT.	1,762,167.7189	1,204,322.9028
911	266+57.40	65.00' RT.	1,762,065.0236	1,204,245.5875
326	266+66.31	50.00' RT.	1,762,065.4259	1,204,263.0267
933	266+77.09	130.14' RT.	1,762,013.7961	1,204,200.7937
913	266+84.50	50.00' RT.	1,762,050.0047	1,204,272.6689
912	266+84.50	65.00' RT.	1,762,042.0524	1,204,259.9504
914	266+84.50	111.56' RT.	1,762,017.3684	1,204,220.4721
1030	267+07.57	55.00' LT.	1,762,086.0277	1,204,373.9805
1052	267+14.97	65.03' LT.	1,762,084.8176	1,204,386.5310
1053	267+15.51	65.76' LT.	1,762,084.7292	1,204,387.4473
1054	267+16.64	170.15' LT.	1,762,138.4840	1,204,476.9357
1031	267+22.29	75.09' LT.	1,762,083.6078	1,204,399.0774
1032	267+22.99	170.08' LT.	1,762,132.5262	1,204,480.5145
934	267+35.43	152.11' RT.	1,761,954.7810	1,204,211.5108
1034	267+37.88	209.86' LT.	1,762,139.0403	1,204,523.0669
935	267+41.19	138.07' RT.	1,761,957.4403	1,204,226.2896
952	267+42.51	288.11' LT.	1,762,174.6905	1,204,592.9313
535	267+46.43	55.50' LT.	1,762,052.0698	1,204,395.2129
286	267+48.93	49.47' LT.	1,761,996.4035	1,204,306.1833
953	267+51.13	305.41' LT.	1,762,174.8762	1,204,612.9304
936	267+51.12	154.56' RT.	1,761,909.4740	1,204,234.9773
915	267+52.90	149.84' RT.	1,761,910.3671	1,204,239.8969
1035	268+19.35	160.47' LT.	1,762,036.5346	1,204,524.6233
1036	268+23.58	65.00' LT.	1,761,987.3206	1,204,442.6940
288	268+51.07	51.50' LT.	1,761,955.9263	1,204,443.9869
287	268+51.09	56.50' LT.	1,761,958.2035	1,204,448.4382
916	268+58.84	145.14' RT.	1,761,859.2069	1,204,272.6066
937	268+61.39	149.56' RT.	1,761,855.1163	1,204,269.7314
955	268+89.94	166.05' LT.	1,761,970.6428	1,204,564.8244
1021	268+89.94	122.71' LT.	1,761,951.5676	1,204,525.9134
954	269+09.27	211.26' LT.	1,761,971.1070	1,204,614.8222
917	269+10.84	118.85' RT.	1,761,827.6445	1,204,317.5106
938	269+13.48	123.20' RT.	1,761,823.5539	1,204,314.6354
1037	269+24.66	140.32' RT.	1,761,806.8918	1,204,303.5592
939	269+37.72	112.37' RT.	1,761,807.5944	1,204,334.0189
918	269+40.64	105.98' RT.	1,761,807.7547	1,204,340.9698
919	269+43.46	99.75' RT.	1,761,807.9109	1,204,347.7422
349	269+64.86	50.87' RT.	1,761,809.1333	1,204,400.7354
1038	269+97.13	119.99' RT.	1,761,753.6332	1,204,349.3328
1039	270+03.50	104.65' RT.	1,761,754.0128	1,204,365.7914
920	270+07.09	89.62' RT.	1,761,756.6186	1,204,380.9779
958	270+17.78	65.00' LT.	1,761,805.2560	1,204,528.1350
289	270+73.76	43.68' LT.	1,761,743.7870	1,204,529.0684
942	271+22.46	104.53' RT.	1,761,649.1969	1,204,405.3599
922	271+25.76	94.56' RT.	1,761,649.4380	1,204,415.7899
921	271+27.40	89.57' RT.	1,761,649.5584	1,204,421.0123
351	271+36.47	61.30' RT.	1,761,650.2403	1,204,450.5765

**CURVE TABLE**

CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD LENGTH
C1	80.00'	62.28'	N32°35'36"W	60.72'
C2	170.00'	30.80'	N49°42'26"W	30.76'
C3	175.00'	61.43'	N32°56'31"W	61.12'
C4	1375.00'	114.33'	N20°30'11"W	114.30'
C5	85.00'	66.18'	N32°35'36"W	64.52'
C6	165.00'	25.13'	N50°32'01"W	25.11'
C7	145.00'	70.93'	N40°40'40"W	70.23'
C8	1360.00'	112.06'	S20°40'20"E	112.03'
C9	1151.43'	210.08'	S26°47'21"E	209.79'
C10	1151.43'	166.67'	S17°24'56"E	166.53'
C11	1256.43'	107.94'	N29°33'17"W	107.91'
C12	1865.00'	201.21'	S25°08'25"E	201.12'
C13	1251.43'	228.88'	N21°51'14"W	228.57'

**LEGEND**

GUY WIRE  
POWER POLE  
STREET SIGN  
MAIL BOX  
LIGHT  
VAPOR LIGHT  
GUARD POST  
PHONE SPLICE BOX  
INLET  
MANHOLE  
GAS METER  
CABLE TV SPLICE BOX  
JUNCTION BOX  
ELECTRICAL METER  
TREE STUMP  
TREE  
FENCE

**CURVE DATA**  
PROPOSED CENTERLINE CONSTRUCTION  
CURVE NO. 1 - US ROUTE 30

Δ = 31°08'28"  
D = 03°10'59"  
R = 1800.00'  
L = 978.33'  
T = 501.57'  
E = 68.58'

(214) PC STA. 267+04.68  
N. 1,762,059.4018 E. 1,204,325.7625

(267) PI STA. 272+06.25  
N. 1,761,634.1182 E. 1,204,591.6727

(216) PT STA. 276+83.00  
N. 1,761,132.6047 E. 1,204,593.3300

U.S. ROUTE 30, SECTION @ CN RAILROAD, JOB. NO. R-90-017-11.

**CLAASSEN, WHITE & ASSOCIATES, P.C.**  
LAND SURVEYORS  
121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431  
(815) 744-3720 cwhite@cwassurvey.com  
CWA Job #587

**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
US ROUTE 30

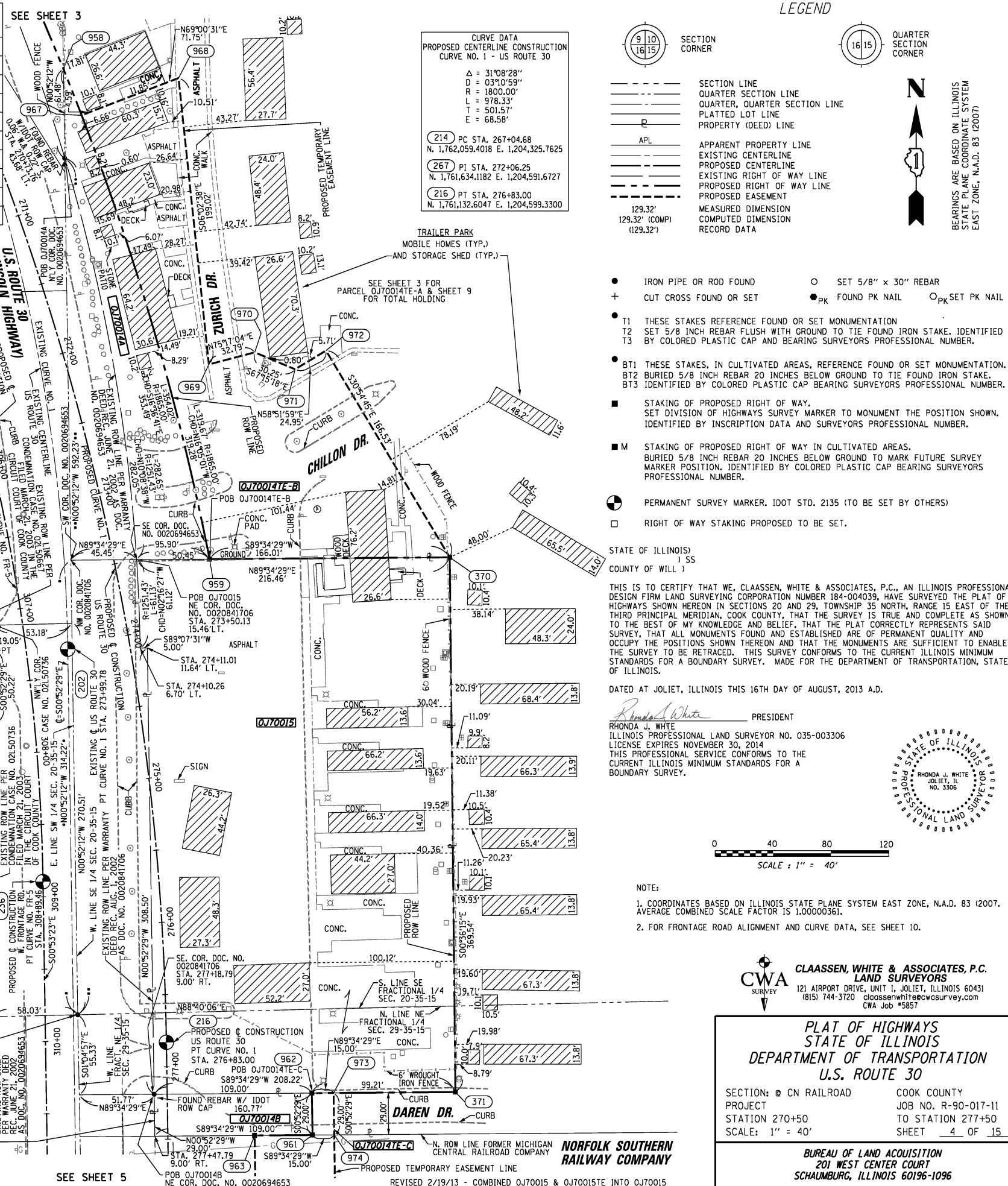
SECTION: @ CN RAILROAD COOK COUNTY  
PROJECT JOB NO. R-90-017-11  
STATION 266+00 TO STATION 272+00  
SCALE: 1" = 40' SHEET 3 OF 15

BUREAU OF LAND ACQUISITION  
201 WEST CENTER COURT  
SCHALMBURG, ILLINOIS 60196-1096

REVISED 8-7-2013, NEW OWNER OJ70003  
REVISED 3-20-2013, SPLIT OJ70013TE INTO OJ70013TE-A & OJ70013TE-B

PART OF THE SW 1/4 & FRACT. SE 1/4 OF SECTION 20 AND PART OF THE FRACT. NE 1/4 OF SECTION 29, ALL IN T35N, R15E OF THE 3rd PM, BLOOM TOWNSHIP, COOK COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDING ACRES	PART TAKEN ACRES	REMAINDER ACRES	AREA IN EXIST. ROW ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT TAX INDEX NUMBER	PROPERTY ACQUIRED BY
OJ70005	FIRST NATIONAL BANK OF ILLINOIS AS SUCCESSOR TO FIRST NATIONAL BANK OF LANSING AS TRUSTEE UNDER TRUST AGREEMENT DATED MAY 7, 1977 KNOWN AS TRUST NO. 2850	4.934	0.197	4.737				33-20-300-038	
OJ70005TE-A						0.036			
OJ70005TE-B						0.006	248 SQ.FT.		
OJ70006	FIRST NATIONAL BANK OF ILLINOIS AS TRUSTEE UNDER TRUST AGREEMENT DATED JUNE 23, 1989 KNOWN AS TRUST NO. 3895	13.212	0.321	12.891				33-20-300-039	
OJ70006TE						0.029			
OJ70014A	MANUFACTURED HOUSING COMMUNITIES LIMITED PARTNERSHIP 126P	104.501	0.240	104.188				33-29-200-001(P1)	
OJ70014B			0.073					33-20-400-001(P1)	
OJ70014TE-B						0.656		33-20-200-101	
OJ70014TE-C						0.010	435 SQ.FT.	33-20-103-002	
OJ70015	ALPINE, LLC	1.782	1.782	0.000				33-29-200-001(P1)	
								33-20-400-001(P1)	



**LEGEND**

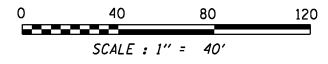
- POLE
- ⊥ GUY WIRE
- ⊕ POWER POLE
- ⊙ STREET SIGN
- ⊕ FLAG POLE
- ⊙ MAIL BOX
- ⊕ LIGHT
- ⊙ VAPOR LIGHT
- ⊕ GUARD POST
- ⊙ PHONE SPLICE BOX
- ⊕ FIRE HYDRANT
- ⊙ BUFFALO BOX
- ⊕ JUNCTION BOX
- ⊙ ELECTRIC SPLICE BOX
- ⊕ WATER VALVE
- INLET
- MANHOLE
- CATCH BASIN
- GAS METER
- CABLE TV SPLICE BOX
- ELECTRICAL METER
- BUSH
- TREE
- FENCE

- IRON PIPE OR ROD FOUND
- SET 5/8" x 30" REBAR
- + CUT CROSS FOUND OR SET
- PK FOUND PK NAIL
- PK SET PK NAIL
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION
- T2 SET 5/8 INCH REBAR FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP AND BEARING SURVEYORS PROFESSIONAL NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.
- BT2 BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE.
- BT3 IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS PROFESSIONAL NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- PERMANENT SURVEY MARKER, 1/2" DIA. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

PT.NO.	STATION	OFFSET	NORTHING	EASTING
958	270+17.78	65.00' LT.	1,761,805.2560	1,204,528.1350
967	270+50.94	65.00' LT.	1,761,773.3001	1,204,540.7368
968	270+50.94	136.75' RT.	1,761,799.0027	1,204,607.7243
942	271+22.46	104.53' RT.	1,761,649.1969	1,204,405.3399
922	271+25.76	94.56' RT.	1,761,649.4380	1,204,415.7899
921	271+27.40	89.57' RT.	1,761,649.5584	1,204,421.0123
969	272+33.88	95.19' LT.	1,761,601.0900	1,204,628.6789
970	272+34.12	127.98' LT.	1,761,609.4199	1,204,660.3952
972	272+44.80	175.86' LT.	1,761,610.6244	1,204,709.6425
971	272+51.26	151.93' LT.	1,761,597.7260	1,204,688.2888
923	272+89.85	97.45' RT.	1,761,499.3782	1,204,455.8148
943	272+95.06	107.60' RT.	1,761,492.2577	1,204,447.0657
924	273+16.28	147.57' RT.	1,761,464.1235	1,204,412.4967
945	273+49.07	177.15' RT.	1,761,428.7793	1,204,389.7840
944	273+53.83	152.93' RT.	1,761,429.3468	1,204,414.3876
959	273+59.46	65.00' LT.	1,761,466.5208	1,204,629.1895
946	273+59.99	178.97' RT.	1,761,418.7804	1,204,389.9367
925	273+64.66	154.33' RT.	1,761,419.3570	1,204,414.9308
370	273+86.94	228.33' LT.	1,761,467.7531	1,204,795.1919
947	274+14.90	187.14' RT.	1,761,368.7863	1,204,390.7000
926	274+18.77	162.39' RT.	1,761,369.3628	1,204,415.6941
927	275+12.81	156.66' RT.	1,761,285.2334	1,204,432.9805
929	276+61.91	168.89' RT.	1,761,149.1339	1,204,430.0579
928	276+61.93	183.89' RT.	1,761,149.2492	1,204,435.0568
526	276+62.35	60.86' RT.	1,761,151.6251	1,204,438.0600
962	277+19.64	100.00' LT.	1,761,097.4958	1,204,689.8777
973	277+19.76	115.00' LT.	1,761,097.6071	1,204,714.8778
371	277+20.42	199.21' LT.	1,761,098.2323	1,204,799.0879
963	277+48.33	60.00' LT.	1,761,068.2013	1,204,660.3203
961	277+48.64	100.00' LT.	1,761,068.4983	1,204,700.3205
974	277+48.76	115.00' LT.	1,761,068.6096	1,204,715.3205

STATE OF ILLINOIS )  
 COUNTY OF WILL )  
 THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 184-004039, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 20 AND 29, TOWNSHIP 35 NORTH, RANGE 15 EAST OF THE THIRD PRINCIPAL MERIDIAN, 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. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 16TH DAY OF AUGUST, 2013 A.D.  
 Rhonda J. White  
 PRESIDENT  
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003306  
 LICENSE EXPIRES NOVEMBER 30, 2014  
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



- NOTE:
- COORDINATES BASED ON ILLINOIS STATE PLANE SYSTEM EAST ZONE, N.A.D. 83 (2007). AVERAGE COMBINED SCALE FACTOR IS 1.00000361.
  - FOR FRONTAGE ROAD ALIGNMENT AND CURVE DATA, SEE SHEET 10.

**CWA SURVEY**  
**CLAASSEN, WHITE & ASSOCIATES, P.C.**  
**LAND SURVEYORS**  
 121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431  
 (815) 744-3720 cwa@cwawhitesurvey.com  
 CWA Job #5857

**PLAT OF HIGHWAYS**  
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**U.S. ROUTE 30**

SECTION: 20 CN RAILROAD COOK COUNTY  
 PROJECT JOB NO. R-90-017-11  
 STATION 270+50 TO STATION 277+50  
 SCALE: 1" = 40' SHEET 4 OF 15

BUREAU OF LAND ACQUISITION  
 201 WEST CENTER COURT  
 SCHAMBURG, ILLINOIS 60196-1096

PART OF THE N. 1/2 SECTION 29, T35N, R15E OF THE 3rd PM, BLOOM TOWNSHIP, COOK COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDING ACRES	PART TAKEN ACRES	REMAINDER ACRES	AREA IN EXIST. ROW ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT TAX INDEX NUMBER	PROPERTY ACQUIRED BY
OJ70016	HADADY PROPERTIES, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	6.992	0.469	6.523		0.380		33-29-200-011 33-29-200-012	
OJ70017PE	WISCONSIN CENTRAL LTD., SUCCESSOR BY MERGER TO THE ELGIN JOLIET AND EASTERN RAILWAY COMPANY, AN ILLINOIS CORPORATION	2.268		2.268		0.171		33-29-501-001(p)	
OJ70021PE	NORFOLK SOUTHERN RAILWAY COMPANY, A VIRGINIA CORPORATION	12.205		12.205	0.386	0.712		33-29-500-001	
OJ70021TE						0.126			

LEGEND

SECTION CORNER (9 10 16 15) QUARTER SECTION CORNER (16 15)

SECTION LINE  
 QUARTER SECTION LINE  
 QUARTER, QUARTER SECTION LINE  
 PLATTED LOT LINE  
 PROPERTY (DEED) LINE

APL APPARENT PROPERTY LINE  
 EXISTING CENTERLINE  
 PROPOSED CENTERLINE  
 EXISTING RIGHT OF WAY LINE  
 PROPOSED RIGHT OF WAY LINE  
 PROPOSED RIGHT OF WAY AND ACCESS CONTROL LINE  
 PROPOSED PERMANENT EASEMENT  
 PROPOSED TEMPORARY EASEMENT

129.32' (129.32' (COMP) (129.32'))  
 MEASURED DIMENSION  
 COMPUTED DIMENSION  
 RECORD DATA

IRON PIPE OR ROD FOUND  
 CUT CROSS FOUND OR SET

SET 5/8" x 30" REBAR  
 FOUND PK NAIL  
 PK SET PK NAIL

T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION  
 T2 SET 5/8 INCH REBAR FLUSH WITH GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP AND BEARING SURVEYORS PROFESSIONAL NUMBER.  
 T3 IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.

B1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.  
 B2 BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE.  
 B3 IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.

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

M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.  
 BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.

PERMANENT SURVEY MARKER, 1/2" DIA. 2135 (TO BE SET BY OTHERS)  
 RIGHT OF WAY STAKING PROPOSED TO BE SET.

BEARINGS ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, N.A.D. 83 (2007)

PRINTING DATE: AUGUST 16, 2013 JMH /Microstation/Sheet 5R7.dgn

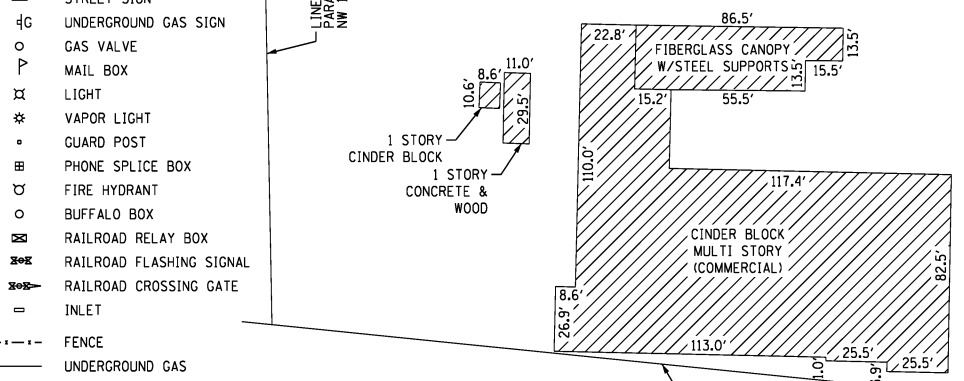
LEGEND

POLE  
 GUY WIRE  
 POWER POLE  
 STREET SIGN  
 UNDERGROUND GAS SIGN  
 GAS VALVE  
 MAIL BOX  
 LIGHT  
 VAPOR LIGHT  
 GUARD POST  
 PHONE SPLICE BOX  
 FIRE HYDRANT  
 BUFFALO BOX  
 RAILROAD RELAY BOX  
 RAILROAD FLASHING SIGNAL  
 RAILROAD CROSSING GATE  
 INLET  
 FENCE  
 UNDERGROUND GAS

NW CORNER SECTION 29-35-15 FOUND 1" IRON PIPE IN CONCRETE MONUMENT PER DOC. NO. 26571965 N. 1,761,090.6650 E. 1,201,895.1940

NORFOLK SOUTHERN RAILWAY COMPANY (FORMER MICHIGAN CENTRAL RAILROAD) (FORMER JOLIET & NORTHERN INDIANA RAILROAD) NOW ABANDONED

NORFOLK SOUTHERN RAILWAY COMPANY



PT. NO.	STATION	OFFSET	NORTHING	EASTING
928	276+61.93	163.89' RT.	1,761,149.2492	1,204,435.0568
929	276+61.91	168.89' RT.	1,761,149.1339	1,204,430.0579
526	276+62.35	60.86' RT.	1,761,151.6251	1,204,538.0597
963	277+48.33	60.00' LT.	1,761,068.2013	1,204,660.3203
961	277+48.64	100.00' LT.	1,761,068.4983	1,204,700.3205
974	277+48.76	115.00' LT.	1,761,068.6096	1,204,715.3205
931	277+52.89	159.00' RT.	1,761,060.2932	1,204,441.4156
930	277+52.89	169.00' RT.	1,761,060.1406	1,204,431.4167
932	278+46.61	159.00' RT.	1,760,966.5842	1,204,442.8463
471	278+46.89	124.00' RT.	1,760,966.8440	1,204,477.8465
964	278+48.33	60.00' LT.	1,760,968.2099	1,204,661.8470
975	278+48.76	115.00' LT.	1,760,968.6182	1,204,716.8472
965	281+46.17	60.00' LT.	1,760,670.4048	1,204,666.3940
976	281+52.58	115.00' LT.	1,760,664.8350	1,204,721.4855
966	282+46.85	60.00' LT.	1,760,569.7397	1,204,667.9310
456	282+52.84	111.37' LT.	1,760,564.5376	1,204,719.3854

REVISED 8/7/13 - CHANGED OJ70021 TO OJ70021PE  
 REVISED 6/17/13 - ADDED PE LABEL  
 REVISED 5/28/13 - CHANGED OWNER, OJ70021, PER NEW TITLE  
 REVISED 4/30/13 - CHANGED OWNER, PER NEW TITLE  
 REVISED 3/21/13 - ADDED ACCESS CONTROL LINE TO OJ70016 (PARCEL OJ70016AC)  
 REVISED 3/7/13 - REMOVED OJ70007E  
 REVISION 2/19/13 - COMBINED OJ70007 WITH OJ70021  
 REVISION 1/9/13 - CHANGED OJ70007PE & OJ70021PE TO OJ70007 & OJ70021

U.S. ROUTE 30, SECTION @ CN RAILROAD, JOB. NO. R-90-017-11.

500°27'56"E 537.99'

337.98' (336.90')

500°27'56"E 537.99'

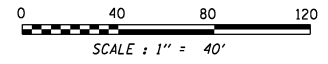
337.98' (336.90')

500°27'56"E 537.99'

337.98' (336.90')

STATE OF ILLINOIS )  
 COUNTY OF WILL )  
 THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 184-004039, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 29, TOWNSHIP 35 NORTH, RANGE 15 EAST OF THE THIRD PRINCIPAL MERIDIAN, 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. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.  
 DATED AT JOLIET, ILLINOIS THIS 16TH DAY OF AUGUST, 2013 A.D.

Rhonda J. White  
 PRESIDENT  
 RHONDA J. WHITE  
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003306  
 LICENSE EXPIRES NOVEMBER 30, 2014  
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



CWA SURVEY  
 CLAASSEN, WHITE & ASSOCIATES, P.C.  
 LAND SURVEYORS  
 121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431  
 (815) 744-3720 cklassenwhite@cwasurevey.com  
 CWA Job #5857

PLAT OF HIGHWAYS  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 U.S. ROUTE 30

SECTION: @ CN RAILROAD COOK COUNTY  
 PROJECT JOB NO. R-90-017-11  
 STATION 276+50 TO STATION 282+50  
 SCALE: 1" = 40' SHEET 5 OF 15

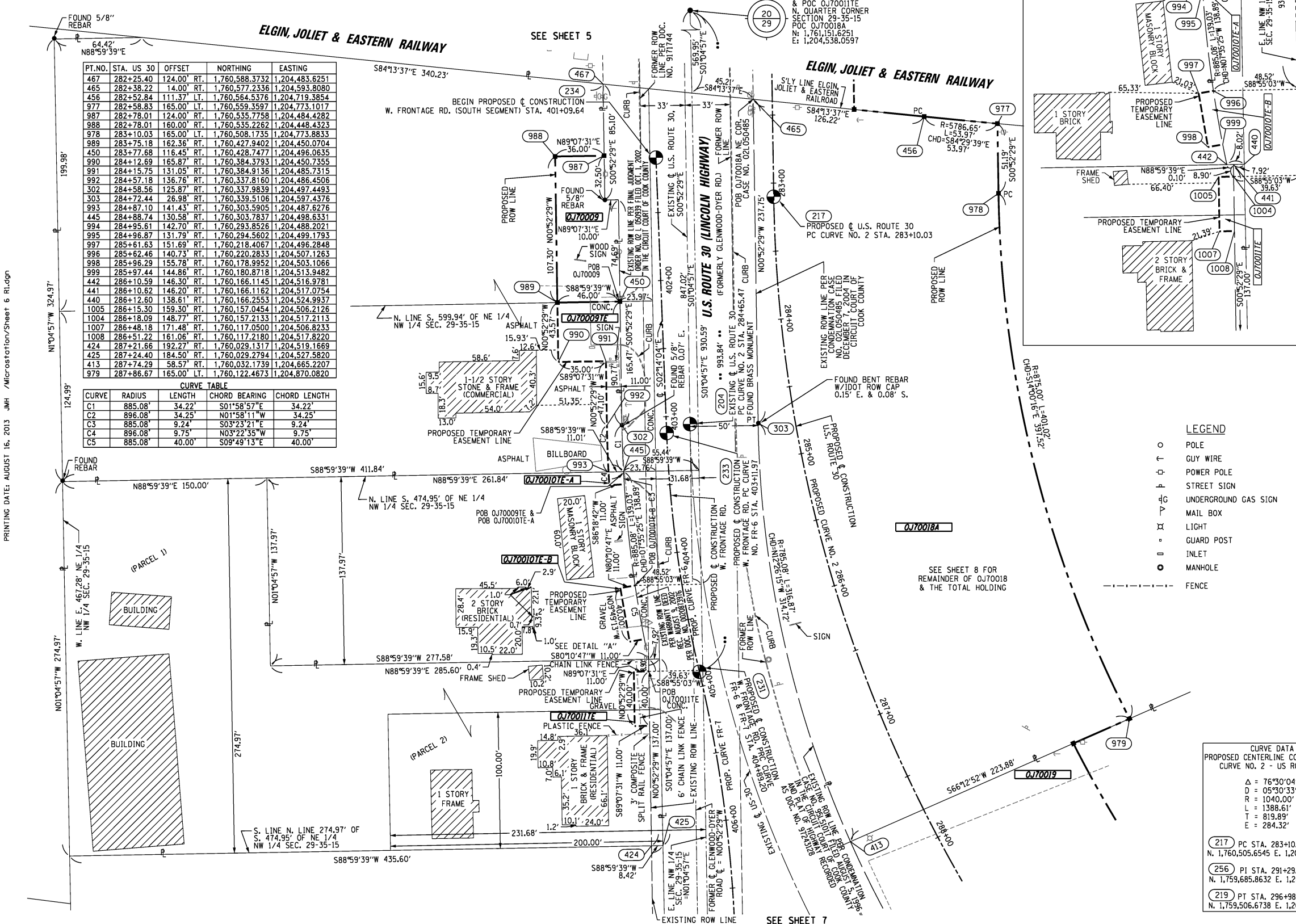
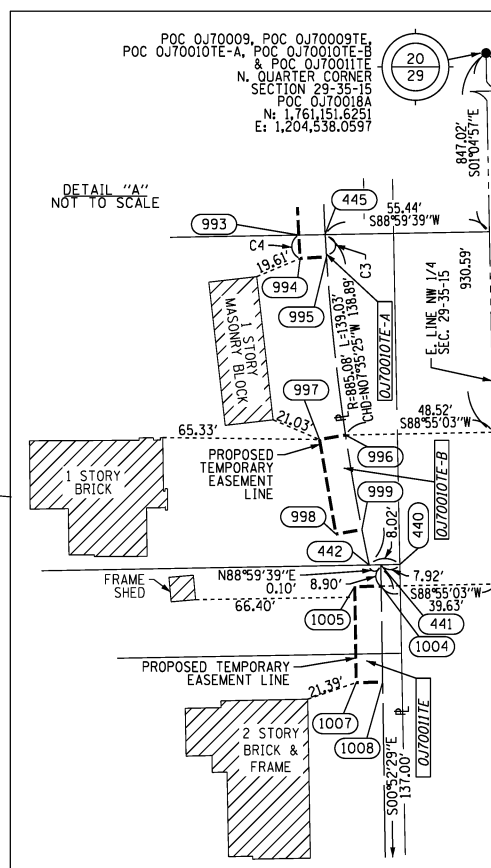
BUREAU OF LAND ACQUISITION  
 201 WEST CENTER COURT  
 SCHAMBURG, ILLINOIS 60196-1096

PART OF THE NW 1/4 SECTION 29, T35N, R15E OF THE 3rd PM, BLOOM TOWNSHIP, COOK COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDING ACRES	PART TAKEN ACRES	REMAINDER ACRES	AREA IN EXIST. ROW ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT TAX INDEX NUMBER	PROPERTY ACQUIRED BY
OJ70009	21916 LINCOLN HWY, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	2.888	0.106	2.782				33-29-100-006; & 33-29-100-007	
OJ70010TE-A	UNITED AMERICAN MUSLIM ASSOCIATION OF NEW YORK, INC., A NEW YORK NOT-FOR-PROFIT CORPORATION	0.848		0.848		0.002	104 SQ.FT.	33-29-100-027; & 33-29-100-028	
OJ70011TE	HAROLD MICHALSKI, DIVORCED AND NOT SINCE REMARRIED	1.845		1.845		0.010	434 SQ.FT.	33-29-100-020	
OJ70018A	FOUNDERS BANK AS TRUSTEE UNDER TRUST AGREEMENT DATED APRIL 4, 2003 KNOWN AS TRUST NO. 6255	14.568	2.291	11.761		0.010	440 SQ.FT.	33-29-200-013	
OJ70018B			0.516						

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- IRON PIPE OR ROD FOUND
- SET 5/8" x 30" REBAR
- CUT CROSS FOUND OR SET
- FOUND PK NAIL
- PK SET PK NAIL
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION
- T2 SET 5/8 INCH REBAR FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP AND BEARING SURVEYORS PROFESSIONAL NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.
- BT2 BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE.
- BT3 IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS PROFESSIONAL NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- PERMANENT SURVEY MARKER, 1/2" DIA. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.



PT. NO.	STA. US 30	OFFSET	NORTHING	EASTING
467	282+25.40	124.00' RT.	1,760,588.3732	1,204,483.6251
465	282+38.22	14.00' RT.	1,760,577.2336	1,204,593.8080
456	282+52.84	111.37' LT.	1,760,564.5376	1,204,719.3854
977	282+58.83	165.00' LT.	1,760,559.3597	1,204,773.1017
987	282+78.01	124.00' RT.	1,760,535.7758	1,204,484.4282
988	282+78.01	160.00' RT.	1,760,535.2262	1,204,448.4323
978	283+10.03	165.00' LT.	1,760,508.1735	1,204,773.8833
989	283+75.18	162.36' RT.	1,760,427.9402	1,204,450.0704
450	283+77.68	116.45' RT.	1,760,428.7477	1,204,496.0635
990	284+12.69	165.87' RT.	1,760,384.3793	1,204,450.7355
991	284+15.75	131.05' RT.	1,760,384.9136	1,204,485.7315
992	284+57.18	136.76' RT.	1,760,337.8160	1,204,486.4506
302	284+58.56	125.87' RT.	1,760,337.9839	1,204,497.4493
303	284+72.44	26.98' RT.	1,760,339.5106	1,204,597.4376
993	284+87.10	141.43' RT.	1,760,303.5905	1,204,487.6276
445	284+88.74	130.58' RT.	1,760,303.7837	1,204,498.6331
994	284+95.61	142.70' RT.	1,760,293.8526	1,204,488.2021
995	284+96.87	131.79' RT.	1,760,294.5602	1,204,499.1793
997	285+61.63	151.69' RT.	1,760,218.4067	1,204,496.2848
996	285+62.46	140.73' RT.	1,760,220.2833	1,204,507.1263
998	285+96.29	155.78' RT.	1,760,178.9952	1,204,503.1066
999	285+97.44	144.86' RT.	1,760,180.8718	1,204,513.9482
442	286+10.59	146.30' RT.	1,760,166.1145	1,204,516.9781
441	286+10.62	146.20' RT.	1,760,166.1162	1,204,517.0754
440	286+12.60	138.61' RT.	1,760,166.2533	1,204,524.9937
1005	286+15.30	159.30' RT.	1,760,157.0454	1,204,506.2126
1004	286+18.09	148.77' RT.	1,760,157.2133	1,204,517.2113
1007	286+48.18	171.48' RT.	1,760,117.0500	1,204,506.8233
1008	286+51.22	171.06' RT.	1,760,117.2180	1,204,517.8220
424	287+21.66	192.27' RT.	1,760,029.1317	1,204,519.1669
425	287+24.40	184.50' RT.	1,760,029.2794	1,204,527.5820
413	287+74.29	58.57' RT.	1,760,032.1739	1,204,665.2207
979	287+86.67	165.00' LT.	1,760,122.4673	1,204,870.0820

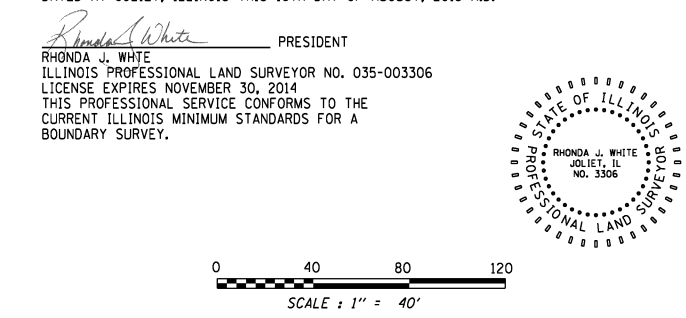
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD LENGTH
C1	885.08'	34.22'	S01°58'57"E	34.22'
C2	896.08'	34.25'	N01°58'11"W	34.25'
C3	885.08'	9.24'	S03°23'21"E	9.24'
C4	896.08'	9.75'	N03°22'35"W	9.75'
C5	885.08'	40.00'	S09°49'13"E	40.00'

STATE OF ILLINOIS )  
 ) SS  
 COUNTY OF WILL )

THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 184-004039, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 29, TOWNSHIP 35 NORTH, RANGE 15 EAST OF THE THIRD PRINCIPAL MERIDIAN, 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. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 16TH DAY OF AUGUST, 2013 A.D.

*Rhonda J. White*  
 \_\_\_\_\_ PRESIDENT  
 RHONDA J. WHITE  
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003306  
 LICENSE EXPIRES NOVEMBER 30, 2014  
 THIS PROFESSIONAL SERVICE CONFORMS TO THE  
 CURRENT ILLINOIS MINIMUM STANDARDS FOR A  
 BOUNDARY SURVEY.



NOTE:  
 1. COORDINATES BASED ON ILLINOIS STATE PLANE SYSTEM EAST ZONE, N.A.D. 83 (2007). AVERAGE COMBINED SCALE FACTOR IS 1.00000361.  
 2. FOR FRONTAGE ROAD ALIGNMENT AND CURVE DATA, SEE SHEET 10.

**CWA SURVEY**  
**CLAASSEN, WHITE & ASSOCIATES, P.C. LAND SURVEYORS**  
 121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431  
 (815) 744-3720 cklassenwhite@cwasurvey.com  
 CWA Job #5857

**PLAT OF HIGHWAYS**  
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**U.S. ROUTE 30**

SECTION: CN RAILROAD COOK COUNTY  
 PROJECT JOB NO. R-90-017-11  
 STATION 282+50 TO STATION 288+00  
 SCALE: 1" = 40' SHEET 6 OF 15

BUREAU OF LAND ACQUISITION  
 201 WEST CENTER COURT  
 SCHAMBURG, ILLINOIS 60196-1096

PART OF THE N. 1/2 SECTION 29, T35N, R15E OF THE 3rd PM, BLOOM TOWNSHIP, COOK COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDING ACRES	PART TAKEN ACRES	REMAINDER ACRES	AREA IN EXIST. ROW ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT TAX INDEX NUMBER	PROPERTY ACQUIRED BY
OJ70012			0.244		0.211				
OJ70012E-A	MARGARET D. MONTGOMERY	1.910		1.666		0.010	449 SQ.FT.	33-29-100-003	
OJ70012E-B						0.008	362 SQ.FT.		
OJ70019	JOHN MANTAS	2.726	1.781	0.945				33-29-200-016 33-29-200-009 33-29-200-017	

SAUK TRAIL				
PT.NO.	STATION	OFFSET	NORTHING	EASTING
1009	383+04.86	30.99' LT.	1,759,674.8279	1,204,371.3432
1043	383+05.73	40.96' LT.	1,759,684.7455	1,204,372.6243
1050	383+39.32	5.17' RT.	1,759,638.0406	1,204,404.3505
418	383+42.87	26.91' LT.	1,759,670.1653	1,204,407.4394
1042	383+44.05	36.86' LT.	1,759,680.1247	1,204,408.3970
1044	383+73.09	33.98' LT.	1,759,678.3882	1,204,435.8119
1045	383+74.62	44.89' LT.	1,759,689.3662	1,204,436.5072
419	383+94.58	20.84' LT.	1,759,667.0046	1,204,457.3394
1041	383+96.30	30.70' LT.	1,759,676.9846	1,204,457.9715
1046	383+98.28	41.54' LT.	1,759,687.9626	1,204,458.6669
1047	384+15.78	41.74' LT.	1,759,690.1489	1,204,474.8139
1048	384+18.04	30.95' LT.	1,759,679.7512	1,204,478.4036
1040	384+66.06	74.20' LT.	1,759,730.1304	1,204,513.7310
421	384+77.19	72.07' LT.	1,759,730.2831	1,204,523.7298
432	384+93.41	39.41' RT.	1,759,626.3075	1,204,566.8822
1051	385+21.96	61.42' LT.	1,759,730.9118	1,204,564.9056

U.S. ROUTE 30				
PT.NO.	STATION	OFFSET	NORTHING	EASTING
980	287+83.69	120.00' LT.	1,760,104.2885	1,204,828.8374
981	291+74.48	120.00' LT.	1,759,832.4977	1,205,039.1649

**LEGEND**

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA

IRON PIPE OR ROD FOUND  
CUT CROSS FOUND OR SET

SET 5/8" x 30" REBAR  
FOUND PK NAIL  
SET PK NAIL

T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION  
T2 SET 5/8 INCH REBAR FLUSH WITH GROUND TO TIE FOUND IRON STAKE.  
T3 IDENTIFIED BY COLORED PLASTIC CAP AND BEARING SURVEYORS PROFESSIONAL NUMBER.

BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.  
BT2 BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE.  
BT3 IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.

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

STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.  
BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.

PERMANENT SURVEY MARKER, 1/2" DIA. 2135 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET.

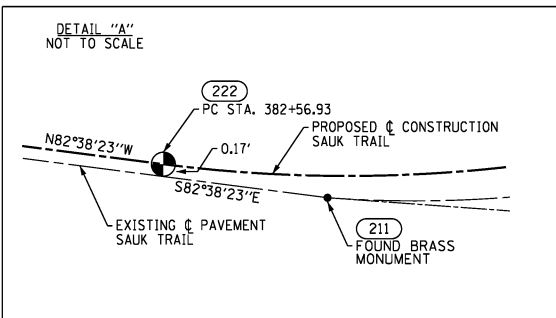
**CURVE DATA**  
PROPOSED CENTERLINE CONSTRUCTION  
CURVE NO. 2 - US ROUTE 30

Δ = 76°30'04"  
D = 05°30'33"  
R = 1040.00'  
L = 1388.61'  
T = 819.89'  
E = 284.32'

217 PC STA. 283+10.03  
N. 1,760,505.6545 E. 1,204,608.9025

256 PI STA. 291+29.91  
N. 1,759,685.8632 E. 1,204,621.4194

219 PT STA. 296+98.63  
N. 1,759,506.6738 E. 1,205,421.4854



**CURVE DATA**  
PROPOSED CENTERLINE CONSTRUCTION  
CURVE NO. 3 - SAUK TRAIL

Δ = 47°48'53"  
D = 09°32'57"  
R = 600.00'  
L = 500.71'  
T = 265.97'  
E = 56.31'

222 PC STA. 382+56.93  
N. 1,759,648.0824 E. 1,204,322.1249

257 PI STA. 385+22.91  
N. 1,759,614.1627 E. 1,204,585.9280

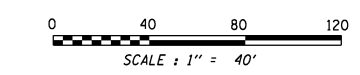
223 PT STA. 387+57.65  
N. 1,759,786.8563 E. 1,204,788.2139

**CURVE TABLE**

CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD LENGTH
C1	62.45'	103.00'	N46°22'29"E	91.72'
C2	52.45'	86.51'	N46°22'29"E	77.03'
C3	41.45'	16.40'	N82°17'20"E	16.29'
C4	52.45'	20.75'	S82°17'20"W	20.62'

**LEGEND**

- GUY WIRE
- POWER POLE
- STREET SIGN
- MAIL BOX
- LIGHT
- GUARD POST
- INLET
- MANHOLE
- TRAFFIC SIGNAL CONTROLLER
- TRAFFIC SIGNAL
- TRAFFIC SIGNAL CANTILEVER
- TREE



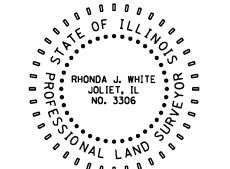
NOTE:  
1. COORDINATES BASED ON ILLINOIS STATE PLANE SYSTEM EAST ZONE, N.A.D. 83 (2007).  
AVERAGE COMBINED SCALE FACTOR IS 1.00000361.  
2. FOR FRONTAGE ROAD ALIGNMENT AND CURVE DATA, SEE SHEET 10.

STATE OF ILLINOIS )  
COUNTY OF WILL )

THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 184-004039, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 29, TOWNSHIP 35 NORTH, RANGE 15 EAST OF THE THIRD PRINCIPAL MERIDIAN, 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. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 16TH DAY OF AUGUST, 2013 A.D.

*Rhonda J. White* PRESIDENT  
RHONDA J. WHITE  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003306  
LICENSE EXPIRES NOVEMBER 30, 2014  
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



**CWA SURVEY**  
CLAASSEN, WHITE & ASSOCIATES, P.C.  
LAND SURVEYORS  
121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431  
(815) 744-3720 clcassenwhite@cwasurvey.com  
CWA Job #5857

**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
U.S. ROUTE 30

SECTION: @ CN RAILROAD COOK COUNTY  
PROJECT JOB NO. R-90-017-11  
STATION 278+00 TO STATION 292+50  
SCALE: 1" = 40' SHEET 7 OF 15

BUREAU OF LAND ACQUISITION  
201 WEST CENTER COURT  
SCHAMBURG, ILLINOIS 60196-1096

PART OF THE FRACT NE 1/4 SECTION 29, T35N, R15E OF THE 3rd PM, BLOOM TOWNSHIP, COOK COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDING ACRES	PART TAKEN ACRES	REMAINDER ACRES	AREA IN EXIST. ROW ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT TAX INDEX NUMBER	PROPERTY ACQUIRED BY
OJ70018A	FOUNDERS BANK AS TRUSTEE UNDER TRUST AGREEMENT DATED APRIL 4, 2003 KNOWN AS TRUST NO. 6255	14.568	2.291	11.761				33-29-200-013	
OJ70018B			0.516						
OJ70020	B & R OIL COMPANY, INC., AN INDIANA CORPORATION	0.776	0.021	0.755				33-29-200-015 33-29-200-014	

PT.NO.	STATION	OFFSET	NORTHING	EASTING
982	292+12.83	80.00' LT.	1,759,779.5804	1,205,039.5948
415	292+91.95	19.54' RT.	1,759,653.9198	1,205,040.6156
312	293+10.74	117.51' RT.	1,759,561.8384	1,205,001.6137
983	296+06.43	80.00' LT.	1,759,606.9941	1,205,356.8553
984	296+15.09	55.00' LT.	1,759,580.7189	1,205,357.0687
315	296+17.76	47.00' LT.	1,759,572.3246	1,205,357.1369
986	296+98.63	55.00' LT.	1,759,560.3442	1,205,433.5059
309	297+37.07	50.00' RT.	1,759,449.4824	1,205,448.0640
308	297+37.07	60.00' RT.	1,759,439.7241	1,205,448.8785
985	297+85.33	55.00' LT.	1,759,541.3964	1,205,518.1063
404	297+86.49	50.00' LT.	1,759,536.2632	1,205,518.1480
307	299+37.82	60.00' RT.	1,759,417.8688	1,205,543.4610

NE COR. FRACT. SEC. 29-35-15 FOUND 5/8" REBAR RECORDED DOC. NO. R-2012-1174 N: 1,761,174.6670 E: 1,205,529.1900

**LEGEND**

SECTION CORNER (9 10 16 15)

QUARTER SECTION CORNER (16 15)

SECTION LINE  
QUARTER SECTION LINE  
QUARTER, QUARTER SECTION LINE  
PLATTED LOT LINE  
PROPERTY (DEED) LINE

APL APPARENT PROPERTY LINE  
EXISTING CENTERLINE  
PROPOSED CENTERLINE  
EXISTING RIGHT OF WAY LINE  
PROPOSED RIGHT OF WAY LINE  
PROPOSED EASEMENT

MEASURED DIMENSION  
COMPUTED DIMENSION  
RECORD DATA

129.32'  
129.32' (COMP)  
(129.32')

IRON PIPE OR ROD FOUND  
CUT CROSS FOUND OR SET

SET 5/8" x 30" REBAR  
FOUND PK NAIL  
SET PK NAIL

T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION  
T2 SET 5/8 INCH REBAR FLUSH WITH GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP AND BEARING SURVEYORS PROFESSIONAL NUMBER.

BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.  
BT2 BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE.  
BT3 IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.

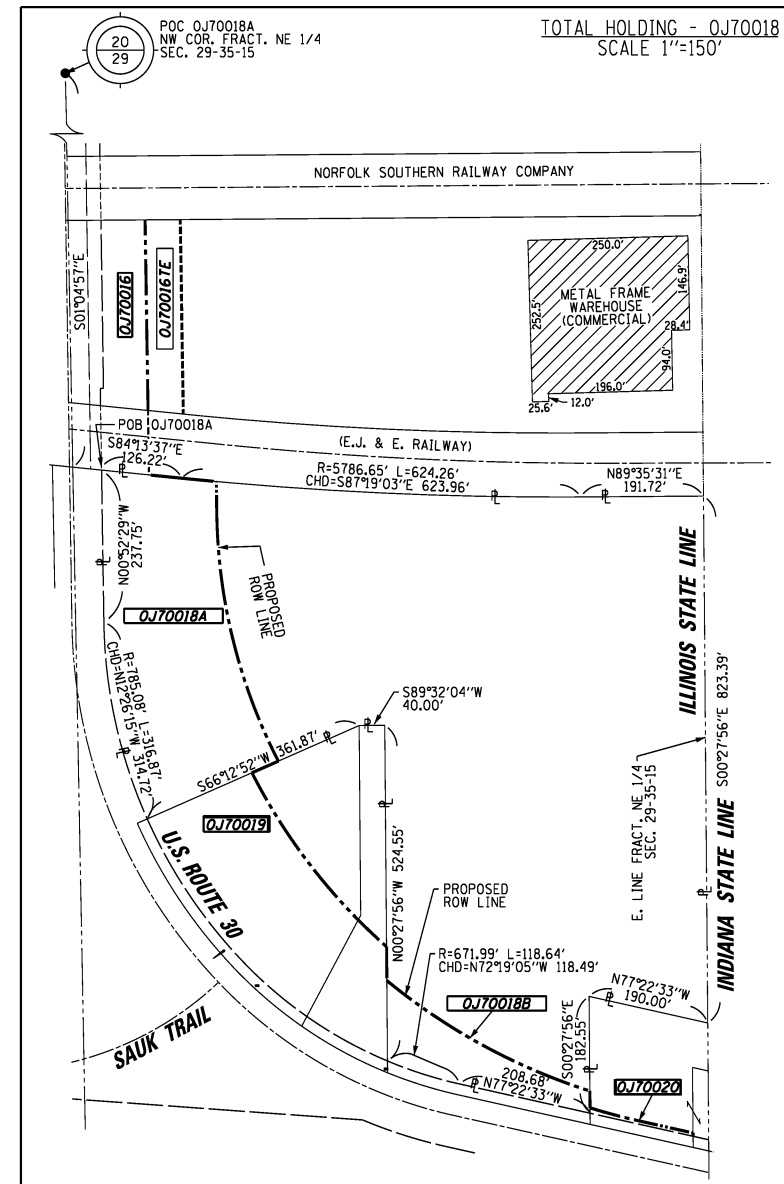
STAKING OF PROPOSED RIGHT OF WAY.  
SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS PROFESSIONAL NUMBER.

STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.  
BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.

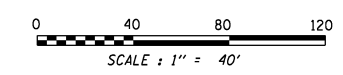
PERMANENT SURVEY MARKER, 1/2" DIA. 2135 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET.

BEARINGS ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, N.A.D. 83 (2007)

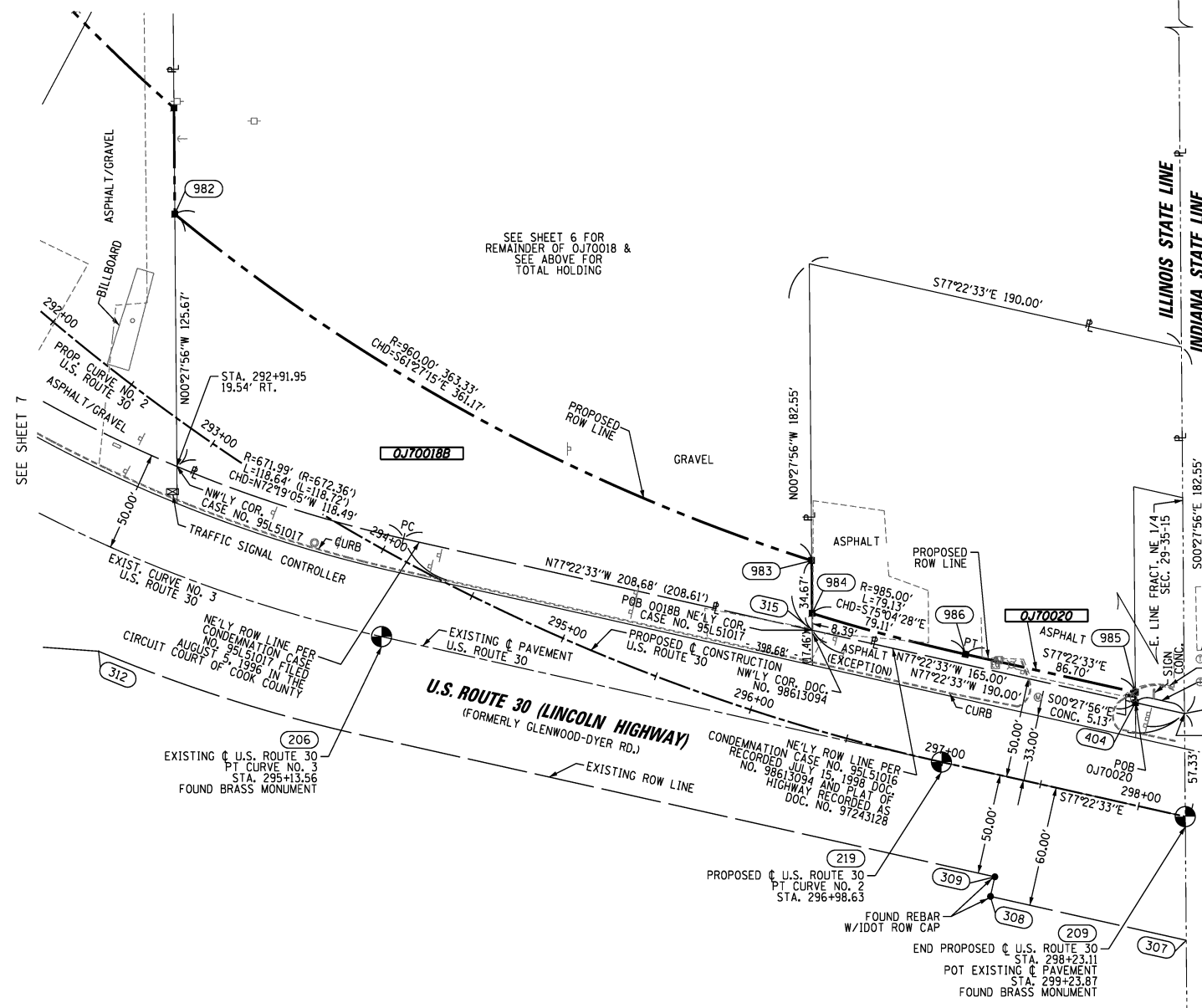


- STATE OF ILLINOIS )  
COUNTY OF WILL )
- THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 184-004039, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 29, TOWNSHIP 35 NORTH, RANGE 15 EAST OF THE THIRD PRINCIPAL MERIDIAN, 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. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.
- DATED AT JOLIET, ILLINOIS THIS 16TH DAY OF AUGUST, 2013 A.D.
- Rhonda J. White* PRESIDENT  
RHONDA J. WHITE  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003306  
LICENSE EXPIRES NOVEMBER 30, 2014  
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



NOTE: COORDINATES BASED ON ILLINOIS STATE PLANE SYSTEM EAST ZONE, N.A.D. 83 (2007). AVERAGE COMBINED SCALE FACTOR IS 1.00000361.

PRINTING DATE: AUGUST 16, 2013 JMH /Microstation/Sheet BR1.dgn



U.S. ROUTE 30, SECTION @ CN RAILROAD, JOB. NO. R-90-017-11.

**LEGEND**

GUY WIRE  
POWER POLE  
STREET SIGN  
LIGHT  
GUARD POST  
MANHOLE  
MONITORING WELL  
ELECTRICAL OUTLET  
PHONE  
UNDERGROUND TANK CAP  
INLET

**CURVE DATA**  
PROPOSED CENTERLINE CONSTRUCTION  
CURVE NO. 2 - US ROUTE 30

Δ = 76°30'04"  
D = 05°30'33"  
R = 1040.00'  
L = 1388.61'  
T = 819.89'  
E = 284.32'

(217) PC STA. 283+10.03  
N. 1,760,505.6545 E. 1,204,608.9025

(256) PI STA. 291+29.91  
N. 1,759,685.8632 E. 1,204,621.4194

(219) PT STA. 296+98.63  
N. 1,759,506.6738 E. 1,205,421.4854

**CWA SURVEY**  
CLAASSEN, WHITE & ASSOCIATES, P.C.  
LAND SURVEYORS  
121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431  
(815) 744-3720 clcassenwhite@cwasurvey.com  
CWA Job #587

**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
U.S. ROUTE 30

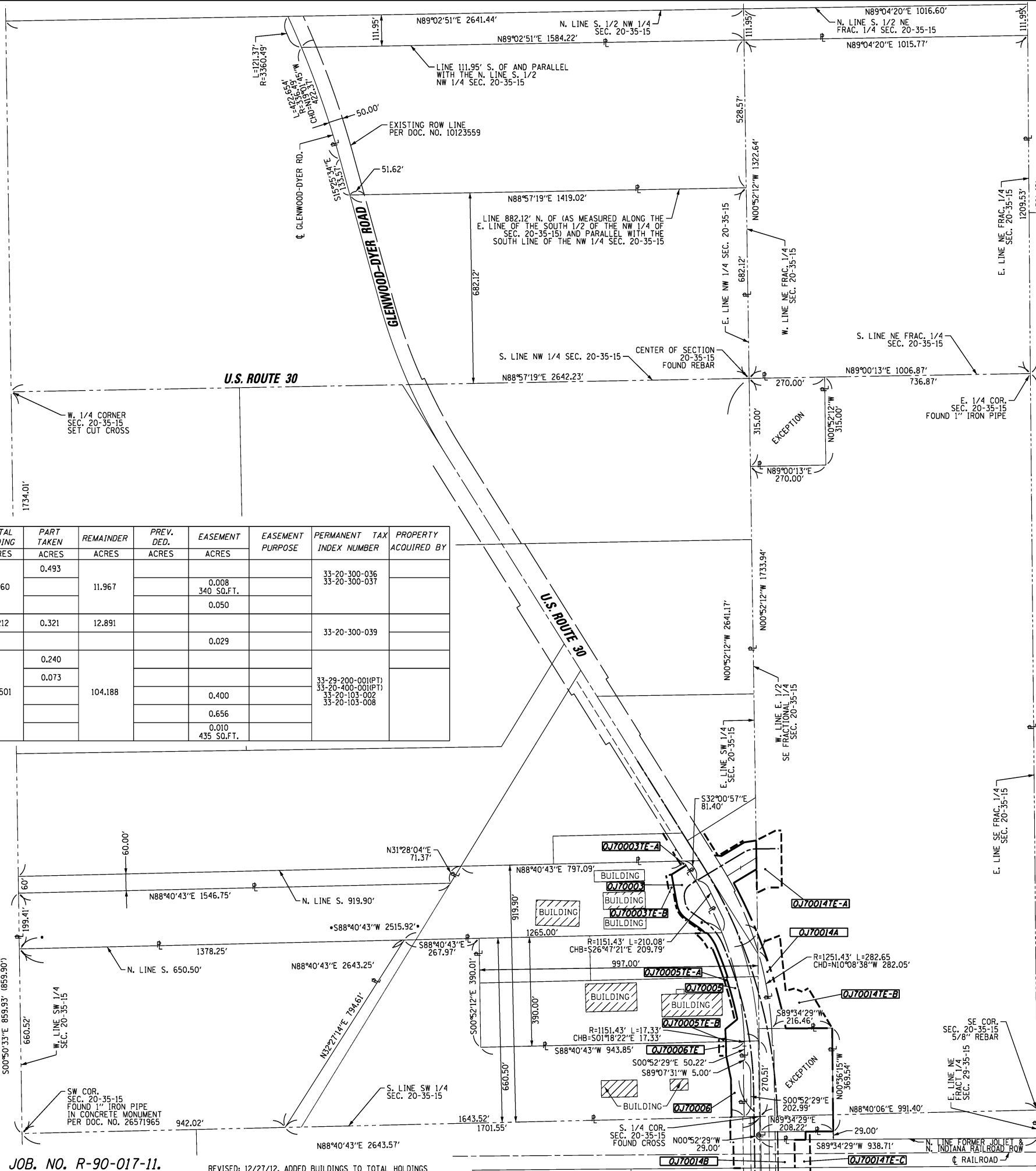
SECTION: @ CN RAILROAD COOK COUNTY  
PROJECT JOB NO. R-90-017-11  
STATION 292+00 TO STATION 298+23.11  
SCALE: 1" = 40' SHEET 8 OF 15

BUREAU OF LAND ACQUISITION  
201 WEST CENTER COURT  
SCHAMBURG, ILLINOIS 60196-1096

REVISED: 12-28-12 ADDED BUILDING ON PARCEL OJ70016.

PART OF SECTIONS 20 & 29, T35N, R15E OF THE 3rd PM, BLOOM TOWNSHIP, COOK COUNTY, ILLINOIS.

PRINTING DATE: AUGUST 16, 2013 JMH /Microstation/Sheet 9R2.dgn



**LEGEND**

SECTION CORNER (9 10 15)      QUARTER SECTION CORNER (16 15)

SECTION LINE  
 QUARTER SECTION LINE  
 QUARTER, QUARTER SECTION LINE  
 PLATTED LOT LINE  
 PROPERTY (DEED) LINE

APL  
 APPARENT PROPERTY LINE  
 EXISTING CENTERLINE  
 PROPOSED CENTERLINE  
 EXISTING RIGHT OF WAY LINE  
 PROPOSED RIGHT OF WAY LINE  
 PROPOSED EASEMENT

MEASURED DIMENSION  
 COMPUTED DIMENSION  
 RECORD DATA

IRON PIPE OR ROD FOUND      SET 5/8" x 30" REBAR  
 CUT CROSS FOUND OR SET      FOUND PK NAIL      PK SET PK NAIL

T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION  
 T2 SET 5/8 INCH REBAR FLUSH WITH GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP AND BEARING SURVEYORS PROFESSIONAL NUMBER.  
 T3

BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.  
 BT2 BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE.  
 BT3 IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.

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

STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.  
 BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.

PERMANENT SURVEY MARKER, 1/2" DIA. 2135 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET.

PARCEL NUMBER	OWNER	TOTAL HOLDING ACRES	PART TAKEN ACRES	REMAINDER ACRES	PREV. DED. ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT TAX INDEX NUMBER	PROPERTY ACQUIRED BY
OJ70003	NORTH STAR TRUST COMPANY AS SUCCESSOR TO MB FINANCIAL BANK AS SUCCESSOR TO SOUTH HOLLAND TRUST & SAVINGS BANK, AS TRUSTEE, UNDER A TRUST AGREEMENT DATED SEPTEMBER 15, 1991 AND KNOWN AS TRUST NUMBER 10343	12.460	0.493	11.967		0.008 340 SQ.FT.		33-20-300-036 33-20-300-037	
OJ70006	FIRST NATIONAL BANK OF ILLINOIS AS TRUSTEE UNDER TRUST AGREEMENT DATED JUNE 23, 1989 KNOWN AS TRUST NO. 3895	13.212	0.321	12.891		0.029		33-20-300-039	
OJ70014A	MANUFACTURED HOUSING COMMUNITIES LIMITED PARTNERSHIP 126P	104.501	0.240	104.188				33-29-200-001(PT) 33-20-400-001(PT) 33-20-103-002 33-20-103-008	
OJ70014B			0.073						
OJ70014TE-A			0.400						
OJ70014TE-B			0.656						
OJ70014TE-C			0.010			435 SQ.FT.			

STATE OF ILLINOIS )  
 ) SS  
 COUNTY OF WILL )

THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 184-004039, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 20 AND 29, TOWNSHIP 35 NORTH, RANGE 15 EAST OF THE THIRD PRINCIPAL MERIDIAN, 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. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 16TH DAY OF AUGUST, 2013 A.D.

*Rhonda J. White* PRESIDENT  
 RHONDA J. WHITE  
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003306  
 LICENSE EXPIRES NOVEMBER 30, 2014  
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

STATE OF ILLINOIS  
 RHONDA J. WHITE  
 JOLIET, IL  
 NO. 3306  
 PROFESSIONAL LAND SURVEYOR

0 200 400 600  
 SCALE: 1" = 200'

NOTE: COORDINATES BASED ON ILLINOIS STATE PLANE SYSTEM EAST ZONE, N.A.D. 83 (2007). AVERAGE COMBINED SCALE FACTOR IS 1.00000361.

**CWA SURVEY**  
**CLAASSEN, WHITE & ASSOCIATES, P.C. LAND SURVEYORS**  
 121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431  
 (815) 744-3720 clausenwhite@cwasurevey.com  
 CWA Job #5857

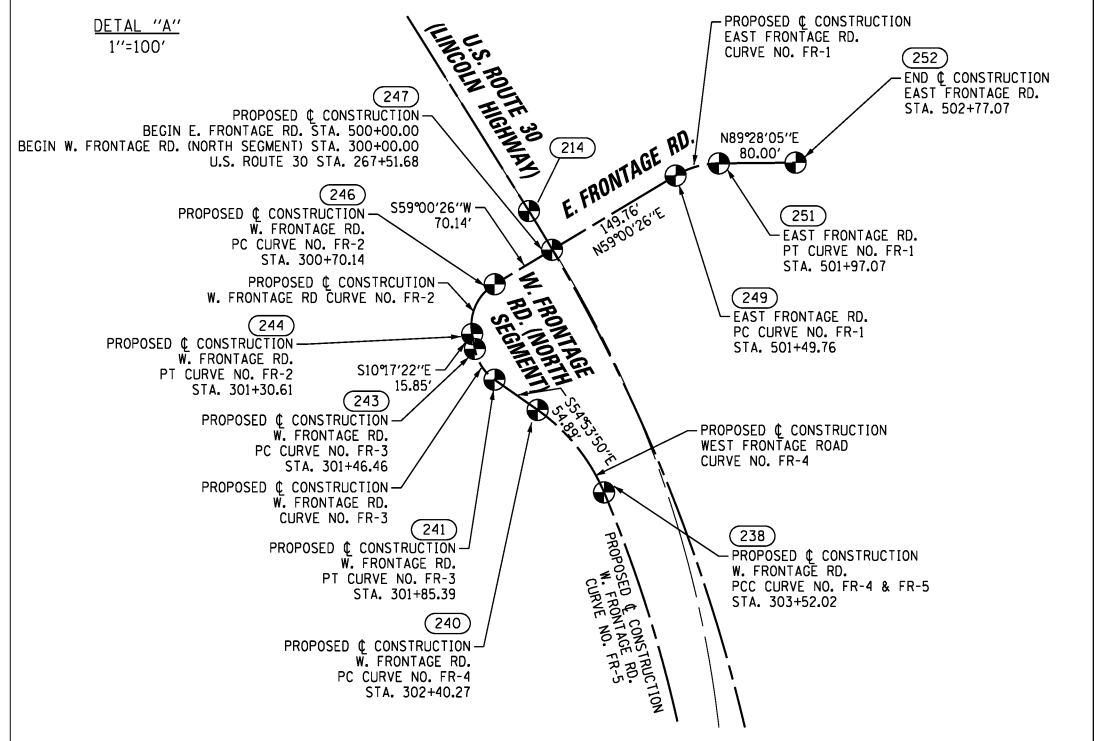
**PLAT OF HIGHWAYS STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION U.S. ROUTE 30**

SECTION: @ CN RAILROAD      COOK COUNTY  
 PROJECT      JOB NO. R-90-017-11  
 STATION      TO STATION  
 SCALE: 1" = 200'      SHEET 9 OF 15

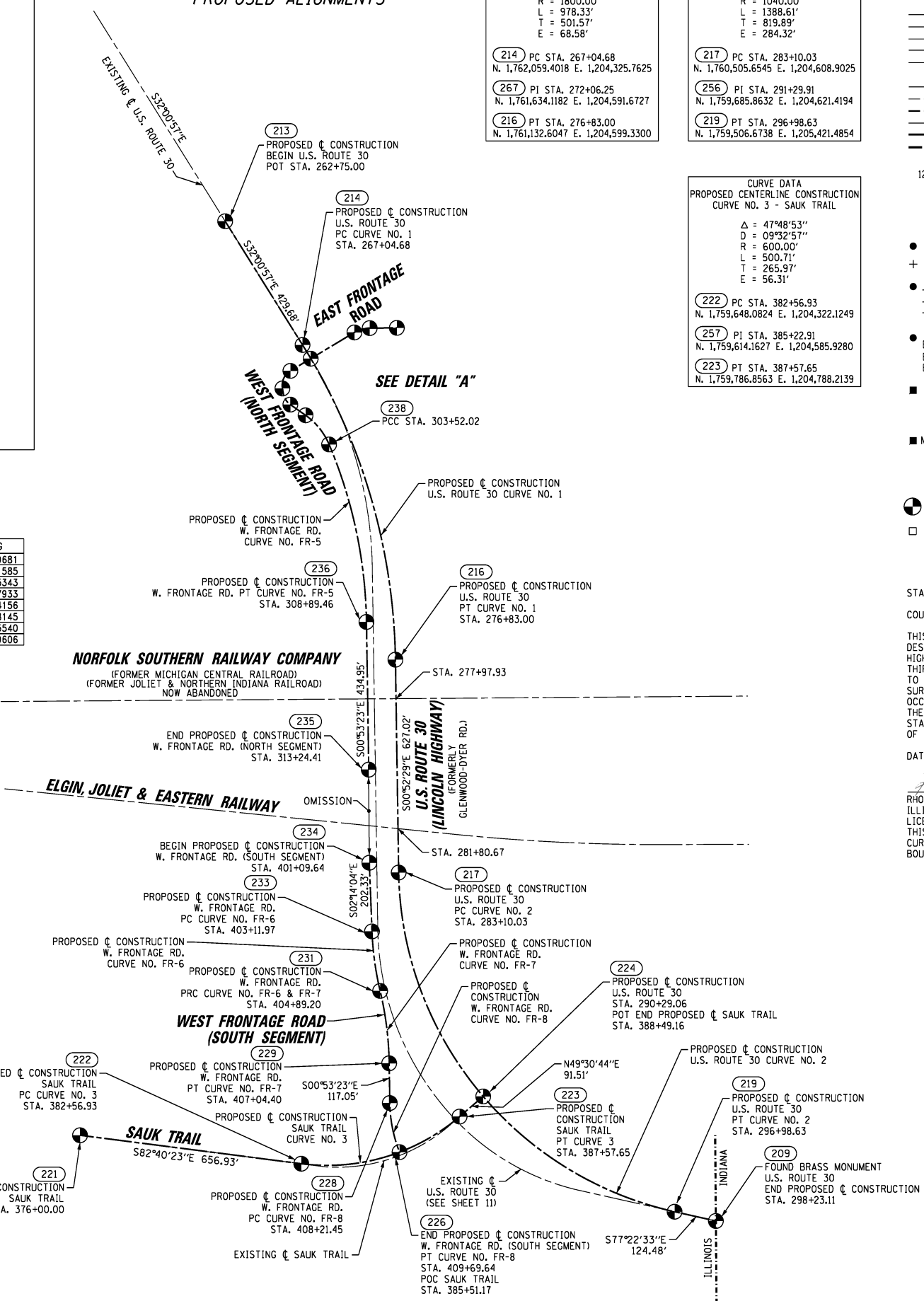
BUREAU OF LAND ACQUISITION  
 201 WEST CENTER COURT  
 SCHAMBURG, ILLINOIS 60196-1096

PART OF SECTIONS 20 & 29, T35N, R15E OF THE 3rd PM, BLOOM TOWNSHIP, COOK COUNTY, ILLINOIS.

DETAIL "A"  
1"=100'



PROPOSED ALIGNMENTS



CURVE DATA  
PROPOSED CENTERLINE CONSTRUCTION  
CURVE NO. 1 - US ROUTE 30

$\Delta = 31^{\circ}08'28''$   
 $D = 03^{\circ}10'59''$   
 $R = 1800.00'$   
 $L = 978.33'$   
 $T = 501.57'$   
 $E = 68.58'$

(214) PC STA. 267+04.68  
N. 1,762,059.4018 E. 1,204,325.7625

(267) PI STA. 272+06.25  
N. 1,761,634.1182 E. 1,204,591.6727

(216) PT STA. 276+83.00  
N. 1,761,132.6047 E. 1,204,599.3300

CURVE DATA  
PROPOSED CENTERLINE CONSTRUCTION  
CURVE NO. 2 - US ROUTE 30

$\Delta = 76^{\circ}30'04''$   
 $D = 05^{\circ}30'33''$   
 $R = 1040.00'$   
 $L = 1388.61'$   
 $T = 819.89'$   
 $E = 284.32'$

(217) PC STA. 283+10.03  
N. 1,760,505.6545 E. 1,204,608.9025

(256) PI STA. 291+29.91  
N. 1,759,685.8632 E. 1,204,621.4194

(219) PT STA. 296+98.63  
N. 1,759,506.6738 E. 1,205,421.4854

CURVE DATA  
PROPOSED CENTERLINE CONSTRUCTION  
CURVE NO. 3 - SAUK TRAIL

$\Delta = 47^{\circ}48'53''$   
 $D = 09^{\circ}32'57''$   
 $R = 600.00'$   
 $L = 500.71'$   
 $T = 265.97'$   
 $E = 56.31'$

(222) PC STA. 382+56.93  
N. 1,759,648.0824 E. 1,204,322.1249

(257) PI STA. 385+22.91  
N. 1,759,614.1627 E. 1,204,585.9280

(223) PT STA. 387+57.65  
N. 1,759,786.8563 E. 1,204,788.2139

CURVE DATA  
PROPOSED CENTERLINE CONSTRUCTION  
CURVE NO. FR-1  
EAST FRONTAGE ROAD

$\Delta = 30^{\circ}27'39''$   
 $D = 64^{\circ}22'38''$   
 $R = 89.00'$   
 $L = 47.32'$   
 $T = 24.23'$   
 $E = 3.24'$

(249) PC STA. 501+49.76  
N. 1,762,096.3409 E. 1,204,478.5352

(261) PI STA. 501+73.99  
N. 1,762,108.8185 E. 1,204,499.3073

(251) PT STA. 501+97.07  
N. 1,762,109.0434 E. 1,204,523.5377

PT. NO.	NORTHING	EASTING
213	1,762,423.7246	1,204,097.9681
247	1,762,019.2264	1,204,350.1585
252	1,762,109.7861	1,204,603.5343
235	1,760,808.7472	1,204,520.7933
234	1,760,534.4085	1,204,522.4156
224	1,759,846.2751	1,204,857.8145
221	1,759,731.8612	1,203,670.5540
209	1,759,479.4673	1,205,542.9606

PROPOSED CENTERLINE CONSTRUCTION - WEST FRONTAGE ROAD (NORTH SEGMENT)

CURVE DATA	CURVE DATA	CURVE DATA	CURVE DATA
PROPOSED CENTERLINE CONSTRUCTION CURVE NO. FR-2 WEST FRONTAGE ROAD $\Delta = 69^{\circ}17'47''$ $D = 114^{\circ}35'30''$ $R = 50.00'$ $L = 60.47'$ $T = 34.55'$ $E = 10.78'$	PROPOSED CENTERLINE CONSTRUCTION CURVE NO. FR-3 WEST FRONTAGE ROAD $\Delta = 44^{\circ}36'28''$ $D = 114^{\circ}35'30''$ $R = 50.00'$ $L = 38.93'$ $T = 20.51'$ $E = 4.04'$	PROPOSED CENTERLINE CONSTRUCTION CURVE NO. FR-4 WEST FRONTAGE ROAD $\Delta = 32^{\circ}00'43''$ $D = 28^{\circ}38'52''$ $R = 200.00'$ $L = 111.74'$ $T = 57.37'$ $E = 8.07'$	PROPOSED CENTERLINE CONSTRUCTION CURVE NO. FR-5 WEST FRONTAGE ROAD $\Delta = 21^{\circ}59'43''$ $D = 04^{\circ}05'33''$ $R = 1400.00'$ $L = 537.45'$ $T = 272.07'$ $E = 26.19'$
(246) PC STA. 300+70.14 N. 1,761,983.1098 E. 1,204,290.0334	(243) PC STA. 301+46.46 N. 1,761,915.7257 E. 1,204,269.4145	(240) PC STA. 302+40.27 N. 1,761,852.1881 E. 1,204,334.7620	(238) PCC STA. 303+52.02 N. 1,761,766.3407 E. 1,204,404.0101
(262) PI STA. 301+04.69 N. 1,761,965.3165 E. 1,204,260.4118	(263) PI STA. 301+66.97 N. 1,761,895.5450 E. 1,204,273.0780	(264) PI STA. 302+97.64 N. 1,761,819.1966 E. 1,204,381.6991	(265) PI STA. 306+24.09 N. 1,761,515.6831 E. 1,204,509.8149
(244) PT STA. 301+30.61 N. 1,761,931.3173 E. 1,204,266.5840	(241) PT STA. 301+85.39 N. 1,761,883.7506 E. 1,204,289.8580	(238) PCC STA. 303+52.02 N. 1,761,766.3407 E. 1,204,404.0101	(236) PT STA. 308+89.46 N. 1,761,243.6427 E. 1,204,514.0395

PROPOSED CENTERLINE CONSTRUCTION - WEST FRONTAGE ROAD (SOUTH SEGMENT)

CURVE DATA	CURVE DATA	CURVE DATA
PROPOSED CENTERLINE CONSTRUCTION CURVE NO. FR-6 WEST FRONTAGE ROAD $\Delta = 11^{\circ}08'05''$ $D = 06^{\circ}16'57''$ $R = 912.00'$ $L = 177.24'$ $T = 88.90'$ $E = 4.32'$	PROPOSED CENTERLINE CONSTRUCTION CURVE NO. FR-7 WEST FRONTAGE ROAD $\Delta = 12^{\circ}28'46''$ $D = 05^{\circ}47'57''$ $R = 988.00'$ $L = 215.19'$ $T = 108.02'$ $E = 5.89'$	PROPOSED CENTERLINE CONSTRUCTION CURVE NO. FR-8 WEST FRONTAGE ROAD $\Delta = 20^{\circ}36'33''$ $D = 13^{\circ}54'24''$ $R = 412.00'$ $L = 148.20'$ $T = 74.91'$ $E = 6.75'$
(233) PC STA. 403+11.97 N. 1,760,332.2356 E. 1,204,530.3043	(231) PRC STA. 404+89.20 N. 1,760,156.9172 E. 1,204,554.3257	(228) PC STA. 408+21.45 N. 1,759,826.7702 E. 1,204,582.7986
(258) PI STA. 404+00.86 N. 1,760,243.4057 E. 1,204,533.7704	(259) PI STA. 405+97.23 N. 1,760,051.8201 E. 1,204,579.3037	(260) PI STA. 408+96.36 N. 1,759,751.8721 E. 1,204,583.9618
(231) PRC STA. 404+89.20 N. 1,760,156.9172 E. 1,204,554.3257	(229) PT STA. 407+04.40 N. 1,759,943.8085 E. 1,204,580.9811	(226) PT STA. 409+69.64 N. 1,759,682.1767 E. 1,204,611.4139

LEGEND

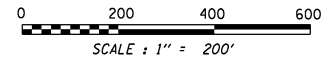
- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- IRON PIPE OR ROD FOUND
- SET 5/8" x 30" REBAR
- CUT CROSS FOUND OR SET
- FOUND PK NAIL
- PK SET PK NAIL
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION
- T2 SET 5/8 INCH REBAR FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP AND BEARING SURVEYORS PROFESSIONAL NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.
- BT2 BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE.
- BT3 IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS PROFESSIONAL NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- PERMANENT SURVEY MARKER, 1/2" DIA. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS )  
                                  ) SS  
COUNTY OF WILL )

THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 184-004039, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 20 AND 29, TOWNSHIP 35 NORTH, RANGE 15 EAST OF THE THIRD PRINCIPAL MERIDIAN, 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. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 16TH DAY OF AUGUST, 2013 A.D.

*Rhonda J. White*  
PRESIDENT  
RHONDA J. WHITE  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003306  
LICENSE EXPIRES NOVEMBER 30, 2014  
THIS PROFESSIONAL SERVICE CONFORMS TO THE  
CURRENT ILLINOIS MINIMUM STANDARDS FOR A  
BOUNDARY SURVEY.



**CWA**  
SURVEY  
CLAASSEN, WHITE & ASSOCIATES, P.C.  
LAND SURVEYORS  
121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431  
(815) 744-3720 cwhite@cwasurevey.com  
CWA Job #5857

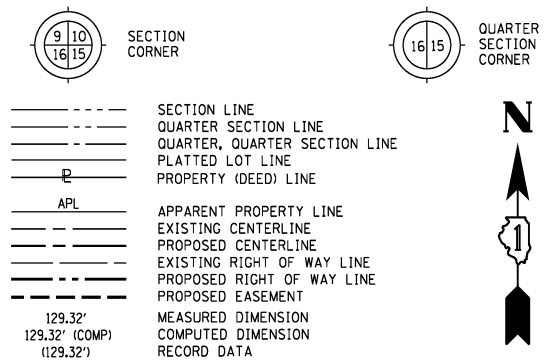
PLAT OF HIGHWAYS  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
U.S. ROUTE 30

SECTION: CN RAILROAD      COOK COUNTY  
PROJECT:                      JOB NO. R-90-017-11  
STATION:                      TO STATION  
SCALE: 1" = 200'              SHEET 10 OF 15

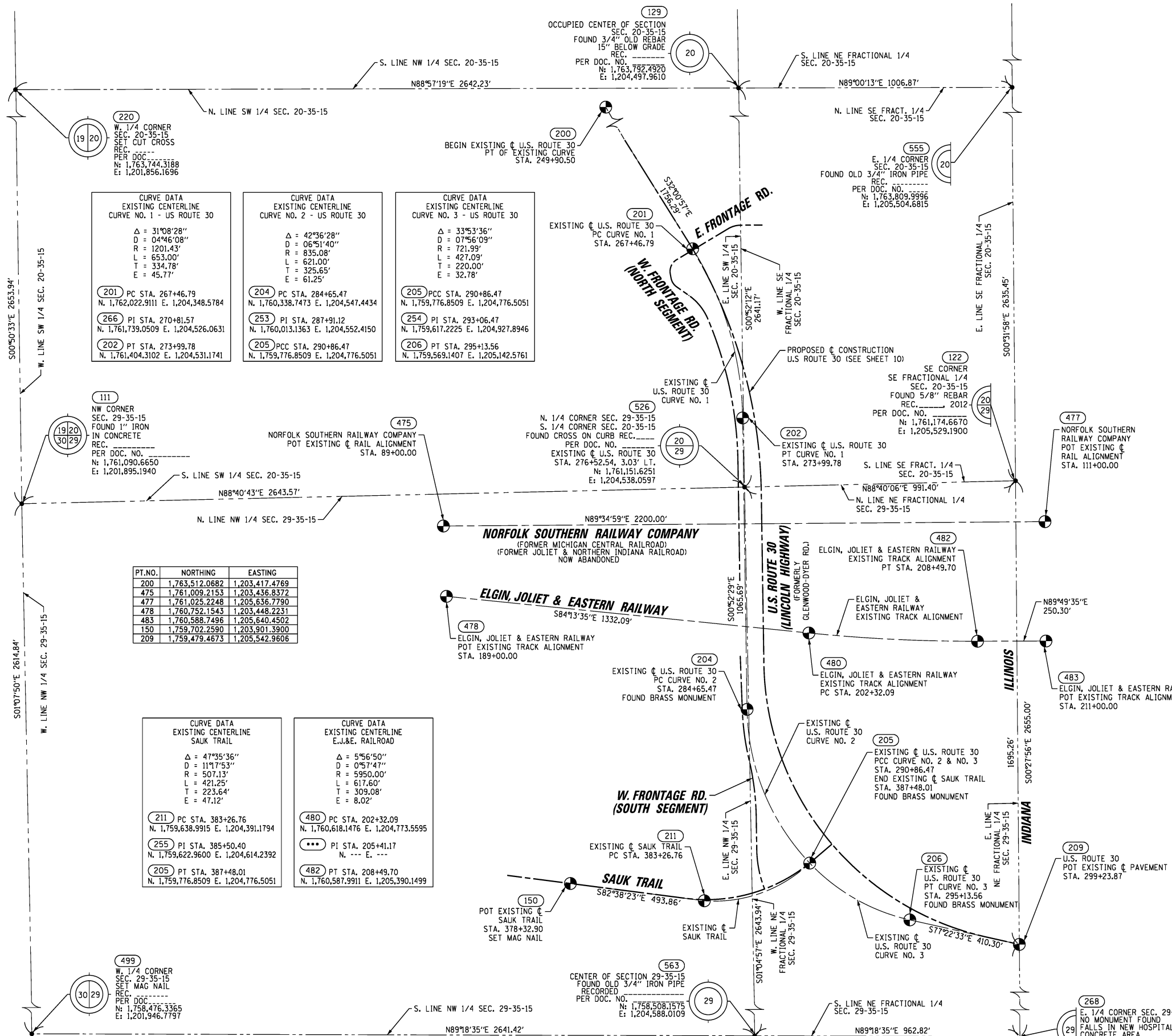
BUREAU OF LAND ACQUISITION  
201 WEST CENTER COURT  
SCHAMBURG, ILLINOIS 60196-1096

PRINTING DATE: AUGUST 16, 2013 JMH /Microstation/Sheet 10.dgn





BEARINGS ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, N.A.D. 83 (2007)



CURVE DATA EXISTING CENTERLINE CURVE NO. 1 - US ROUTE 30		CURVE DATA EXISTING CENTERLINE CURVE NO. 2 - US ROUTE 30		CURVE DATA EXISTING CENTERLINE CURVE NO. 3 - US ROUTE 30	
Δ = 31°08'28"	D = 04°46'08"	Δ = 42°36'28"	D = 06°51'40"	Δ = 33°53'36"	D = 07°56'09"
R = 1201.43'	L = 653.00'	R = 835.08'	L = 621.00'	R = 721.99'	L = 427.09'
T = 334.78'	E = 45.77'	T = 325.65'	E = 61.25'	T = 220.00'	E = 32.78'
201 PC STA. 267+46.79 N. 1,762,022.9111 E. 1,204,348.5784		204 PC STA. 284+65.47 N. 1,760,338.7473 E. 1,204,547.4434		205 PCC STA. 290+86.47 N. 1,759,776.8509 E. 1,204,776.5051	
266 PI STA. 270+81.57 N. 1,761,739.0509 E. 1,204,526.0631		253 PI STA. 287+91.12 N. 1,760,013.1363 E. 1,204,552.4150		254 PI STA. 293+06.47 N. 1,759,617.2225 E. 1,204,927.8946	
202 PT STA. 273+99.78 N. 1,761,404.3102 E. 1,204,531.1741		205 PCC STA. 290+86.47 N. 1,759,776.8509 E. 1,204,776.5051		206 PT STA. 295+13.56 N. 1,759,569.1407 E. 1,205,142.5761	

PT. NO.	NORTHING	EASTING
200	1,763,512.0682	1,203,417.4769
475	1,761,009.2153	1,203,436.8372
477	1,761,025.2248	1,205,636.7790
478	1,760,752.1543	1,203,448.2231
483	1,760,588.7496	1,205,640.4502
150	1,759,702.2590	1,203,901.3900
209	1,759,479.4673	1,205,542.9606

CURVE DATA EXISTING CENTERLINE SAUK TRAIL		CURVE DATA EXISTING CENTERLINE E.J.&E. RAILROAD	
Δ = 47°35'36"	D = 11°17'53"	Δ = 5°56'50"	D = 0°57'47"
R = 507.13'	L = 421.25'	R = 5950.00'	L = 617.60'
T = 223.64'	E = 47.12'	T = 309.08'	E = 8.02'
211 PC STA. 383+26.76 N. 1,759,638.9915 E. 1,204,391.1794		480 PC STA. 202+32.09 N. 1,760,618.1476 E. 1,204,773.5595	
255 PI STA. 385+50.40 N. 1,759,622.9600 E. 1,204,614.2392		*** PI STA. 205+41.17 N. --- E. ---	
205 PT STA. 387+48.01 N. 1,759,776.8509 E. 1,204,776.5051		482 PT STA. 208+49.70 N. 1,760,587.9911 E. 1,205,390.1499	

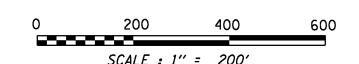
- IRON PIPE OR ROD FOUND
- SET 5/8" x 30" REBAR
- + CUT CROSS FOUND OR SET
- PK FOUND PK NAIL
- PK SET PK NAIL
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION
- T2 SET 5/8 INCH REBAR FLUSH WITH GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.
- BT2 BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE.
- BT3 IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY.
- SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS PROFESSIONAL NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.
- BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- PERMANENT SURVEY MARKER, IDOT STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS )  
 ) SS  
 COUNTY OF WILL )

THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 184-004039, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 20 AND 29, TOWNSHIP 35 NORTH, RANGE 15 EAST OF THE THIRD PRINCIPAL MERIDIAN, 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. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 16TH DAY OF AUGUST, 2013 A.D.

*Rhonda J. White* PRESIDENT  
 RHONDA J. WHITE  
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003306  
 LICENSE EXPIRES NOVEMBER 30, 2014  
 THIS PROFESSIONAL SERVICE CONFORMS TO THE  
 CURRENT ILLINOIS MINIMUM STANDARDS FOR A  
 BOUNDARY SURVEY.



NOTE: COORDINATES BASED ON ILLINOIS STATE PLANE SYSTEM EAST ZONE, N.A.D. 83 (2007). AVERAGE COMBINED SCALE FACTOR IS 1.00000361.

**CWA SURVEY**  
**CLAASSEN, WHITE & ASSOCIATES, P.C. LAND SURVEYORS**  
 121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431  
 (815) 744-3720 cklassenwhite@cwasurevey.com  
 CWA Job #5857

**PLAT OF HIGHWAYS**  
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**U.S. ROUTE 30**

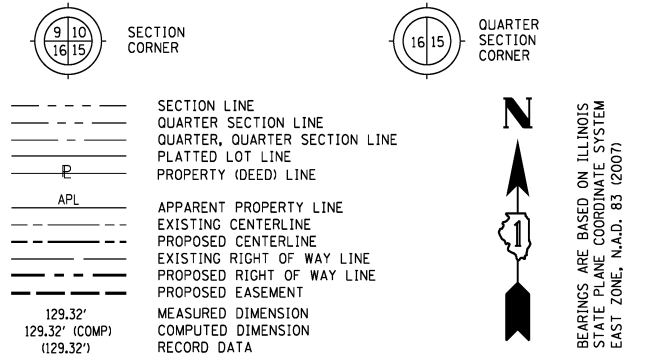
SECTION: CN RAILROAD COOK COUNTY  
 PROJECT: JOB NO. R-90-017-11  
 STATION: TO STATION  
 SCALE: 1" = 200' SHEET 11 OF 15

**BUREAU OF LAND ACQUISITION**  
 201 WEST CENTER COURT  
 SCHAMBURG, ILLINOIS 60196-1096

PRINTING DATE: AUGUST 16, 2013 JMH /Microstation/Sheet 11.dgn

PART OF SECTIONS 20 & 29, T35N, R15E OF THE 3rd PM, BLOOM TOWNSHIP, COOK COUNTY, ILLINOIS.

LEGEND



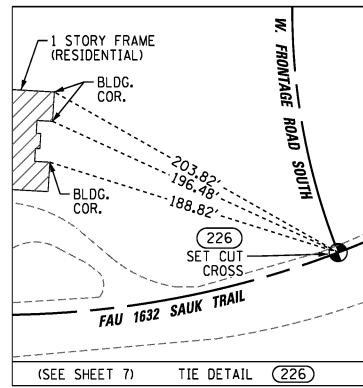
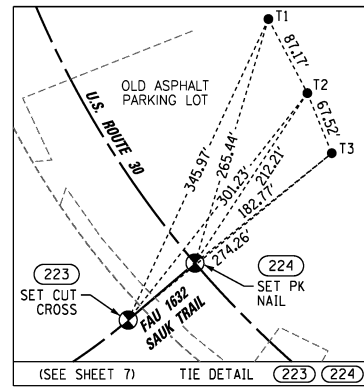
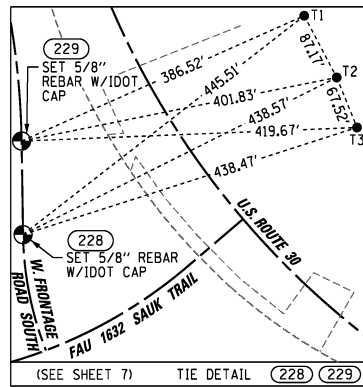
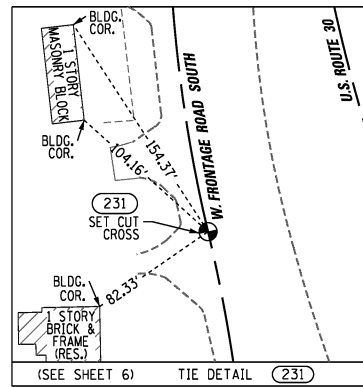
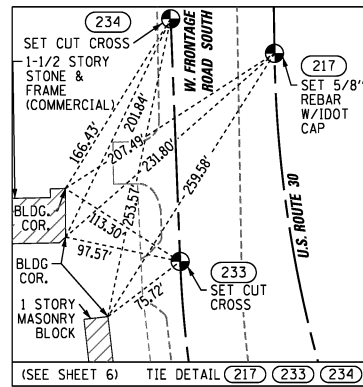
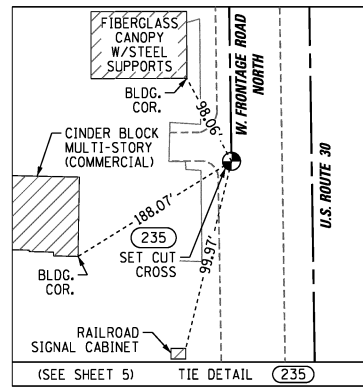
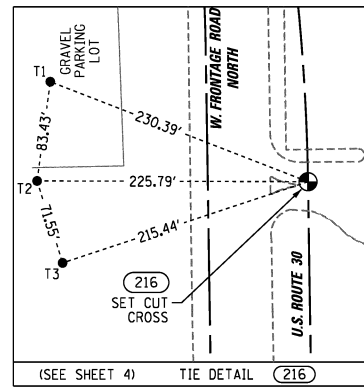
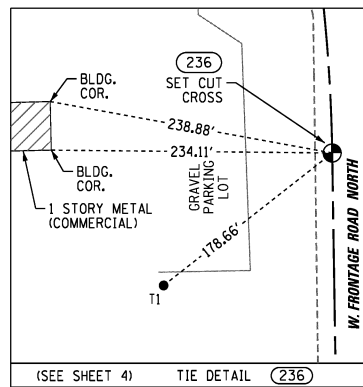
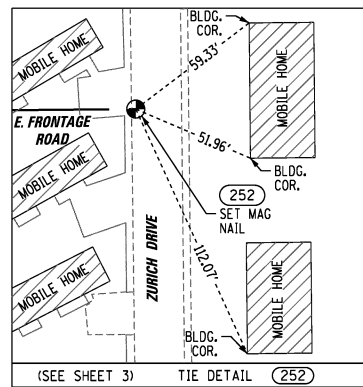
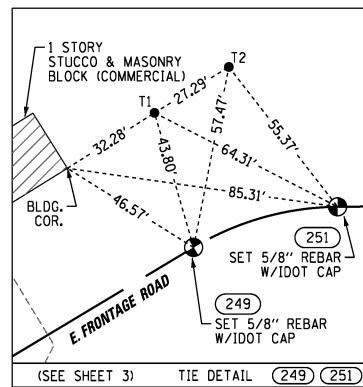
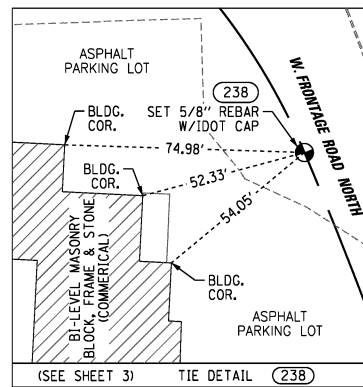
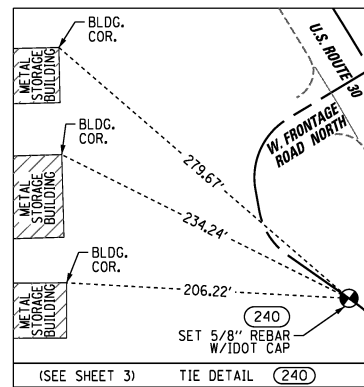
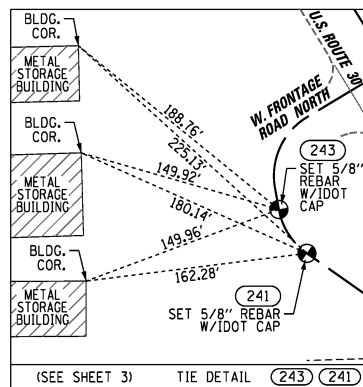
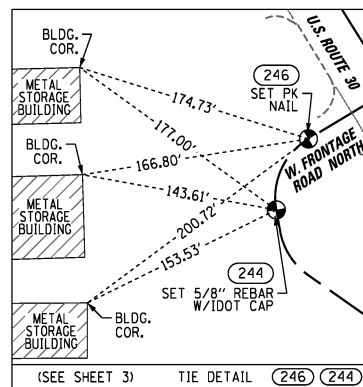
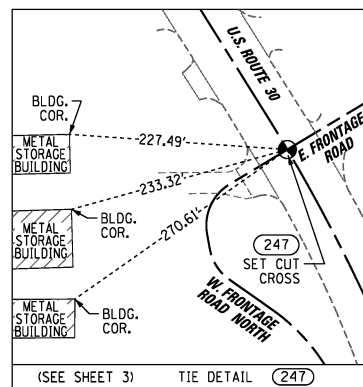
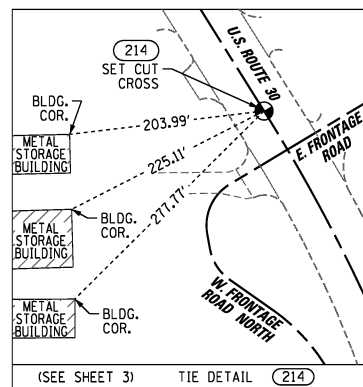
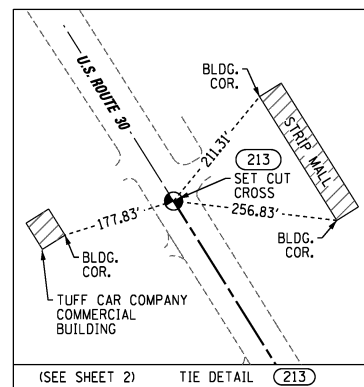
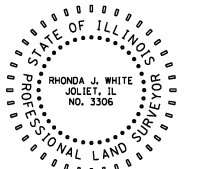
- IRON PIPE OR ROD FOUND
- SET 5/8" x 30" REBAR
- + CUT CROSS FOUND OR SET
- PK FOUND PK NAIL
- PK SET PK NAIL
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION
- T2 SET 5/8 INCH REBAR FLUSH WITH GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.
- BT2 BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE.
- BT3 IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY.
- SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS PROFESSIONAL NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.
- BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- PERMANENT SURVEY MARKER, 1/2" STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS )  
 ) SS  
 COUNTY OF WILL )

THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 184-004039, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 20 AND 29, TOWNSHIP 35 NORTH, RANGE 15 EAST OF THE THIRD PRINCIPAL MERIDIAN, 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. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 16TH DAY OF AUGUST, 2013 A.D.

*Rhonda J. White* PRESIDENT  
 RHONDA J. WHITE  
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003306  
 LICENSE EXPIRES NOVEMBER 30, 2014  
 THIS PROFESSIONAL SERVICE CONFORMS TO THE  
 CURRENT ILLINOIS MINIMUM STANDARDS FOR A  
 BOUNDARY SURVEY.



COORDINATE TABLE ~ U.S. ROUTE 30

NO.	CL STATION	-NORTH-COORDINATES-EAST-
213	262+75.00	1,762,423.7246 1,204,097.9681
214	267+04.68	1,762,059.4018 1,204,325.7625
247	267+51.68	1,762,019.2264 1,204,350.1585
216	276+83.00	1,761,132.6047 1,204,599.3300
217	283+10.03	1,760,505.6545 1,204,608.9025
224	290+29.06	1,759,846.2751 1,204,857.8145

COORDINATE TABLE ~ W. FRONTAGE ROAD NORTH

NO.	CL STATION	-NORTH-COORDINATES-EAST-
247	300+00.00	1,762,019.2264 1,204,350.1585
246	300+70.14	1,761,983.1098 1,204,290.0334
244	301+30.61	1,761,931.3173 1,204,266.5840
243	301+46.46	1,761,915.7257 1,204,269.4145
241	301+85.39	1,761,883.7506 1,204,289.8580
240	302+40.27	1,761,852.1881 1,204,334.7620
238	303+52.02	1,761,766.3407 1,204,404.0101
236	308+89.46	1,761,243.6427 1,204,514.0395
235	313+24.41	1,760,808.7472 1,204,520.7933

COORDINATE TABLE ~ E. FRONTAGE ROAD

NO.	CL STATION	-NORTH-COORDINATES-EAST-
247	500+00.00	1,762,019.2264 1,204,350.1585
249	501+49.76	1,762,096.3409 1,204,478.5352
251	501+97.07	1,762,109.0434 1,204,523.5378
252	502+77.07	1,762,109.7861 1,204,603.5343

COORDINATE TABLE ~ W. FRONTAGE ROAD SOUTH

NO.	CL STATION	-NORTH-COORDINATES-EAST-
234	401+09.64	1,760,534.4085 1,204,522.4156
233	403+11.97	1,760,332.2356 1,204,530.3043
231	404+89.20	1,760,156.9172 1,204,554.3257
229	407+04.40	1,759,943.8085 1,204,580.9811
228	408+21.45	1,759,826.7702 1,204,582.7986
226	409+69.64	1,759,682.1767 1,204,611.4139

COORDINATE TABLE ~ FAU 1632 SAUK TRAIL

NO.	CL STATION	-NORTH-COORDINATES-EAST-
226	385+51.17	1,759,682.1767 1,204,611.4139
223	387+57.65	1,759,786.8563 1,204,788.2139
224	388+49.16	1,759,846.2751 1,204,857.8145

PRINTING DATE: AUGUST 16, 2013 JLS /Microstation/Sheet 12.dgn

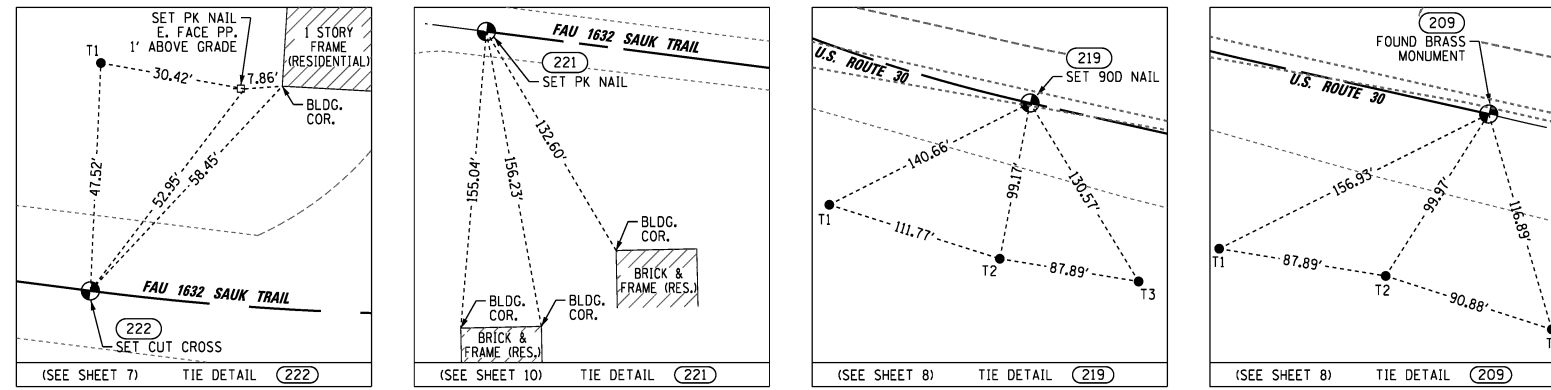
**CWA SURVEY**  
 CLAASSEN, WHITE & ASSOCIATES, P.C.  
 LAND SURVEYORS  
 121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431  
 (815) 744-3720 cclassenwhite@cwasurevey.com  
 CWA Job #587

**PLAT OF HIGHWAYS**  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 U.S. ROUTE 30

SECTION: @ CN RAILROAD COOK COUNTY  
 PROJECT JOB NO. R-90-017-11  
 STATION NONE TO STATION NONE  
 SCALE: N/A SHEET 12 OF 15

BUREAU OF LAND ACQUISITION  
 201 WEST CENTER COURT  
 SCHALMBURG, ILLINOIS 60196-1096

PART OF SECTIONS 20 & 29, T35N, R15E OF THE 3rd PM, BLOOM TOWNSHIP, COOK COUNTY, ILLINOIS.



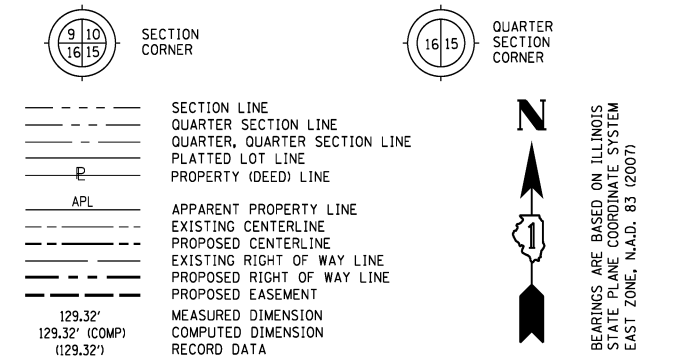
COORDINATE TABLE ~ U.S. ROUTE 30

NO.	CL STATION	-NORTH-COORDINATES-EAST-	
219	296+98.63	1,759,506.6738	1,205,421.4854
209	298+23.11	1,759,479.4673	1,205,542.9606

COORDINATE TABLE ~ FAU 1632 SAUK TRAIL

NO.	CL STATION	-NORTH-COORDINATES-EAST-	
221	376+00.00	1,759,731.8612	1,203,670.5540
222	382+56.93	1,759,648.0824	1,204,322.1249

LEGEND



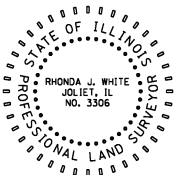
- IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- SET 5/8" x 30" REBAR
- PK FOUND PK NAIL
- PK SET PK NAIL
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION
- T2 SET 5/8 INCH REBAR FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP AND BEARING SURVEYORS PROFESSIONAL NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.
- BT2 BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE.
- BT3 IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS PROFESSIONAL NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- ⊙ PERMANENT SURVEY MARKER, 1DOT STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS )  
 ) SS  
 COUNTY OF WILL )

THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 184-004039, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 20 AND 29, TOWNSHIP 35 NORTH, RANGE 15 EAST OF THE THIRD PRINCIPAL MERIDIAN, 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. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 16TH DAY OF AUGUST, 2013 A.D.

*Rhonda J. White* PRESIDENT  
 RHONDA J. WHITE  
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003306  
 LICENSE EXPIRES NOVEMBER 30, 2014  
 THIS PROFESSIONAL SERVICE CONFORMS TO THE  
 CURRENT ILLINOIS MINIMUM STANDARDS FOR A  
 BOUNDARY SURVEY.



**CWA SURVEY**  
**CLAASSEN, WHITE & ASSOCIATES, P.C.**  
**LAND SURVEYORS**  
 121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431  
 (815) 744-3720 clcassenwhite@cwasurevey.com  
 CWA Job #5857

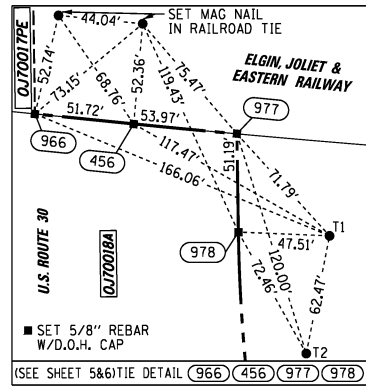
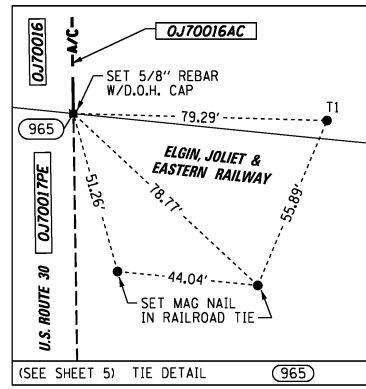
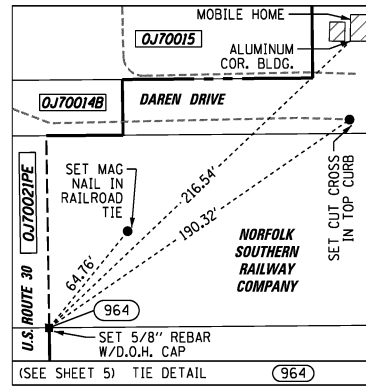
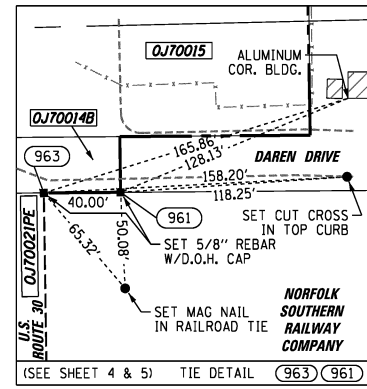
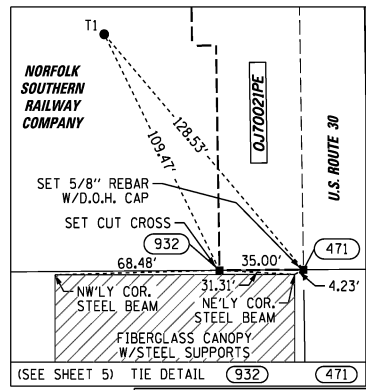
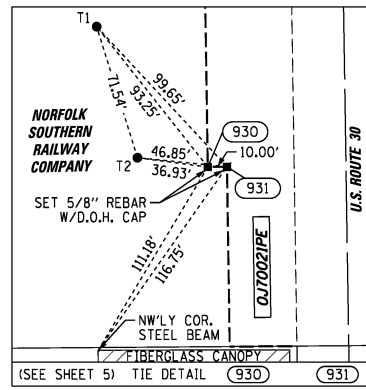
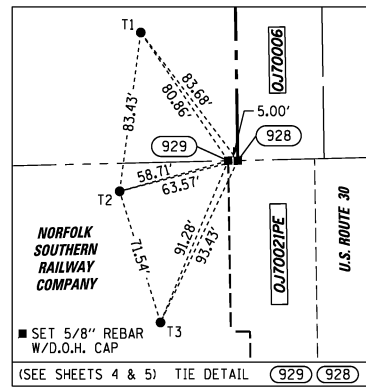
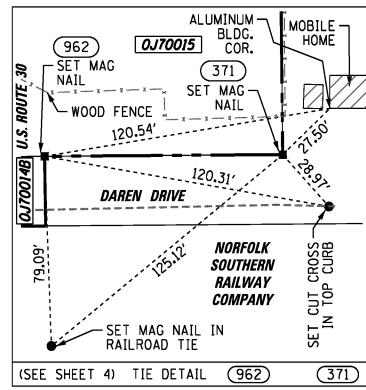
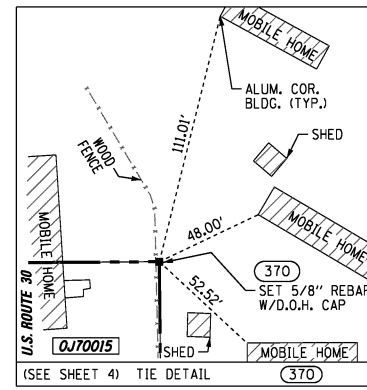
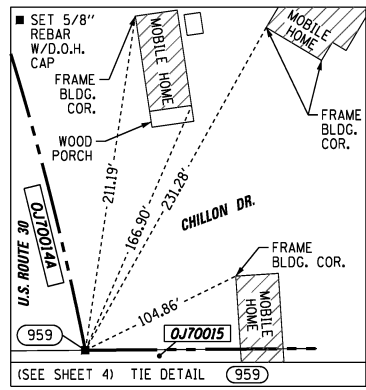
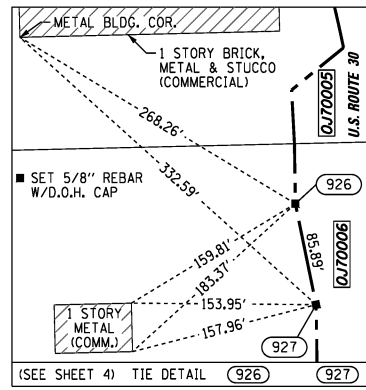
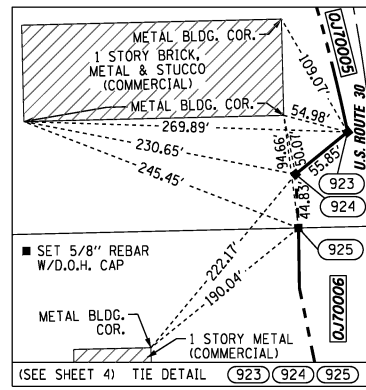
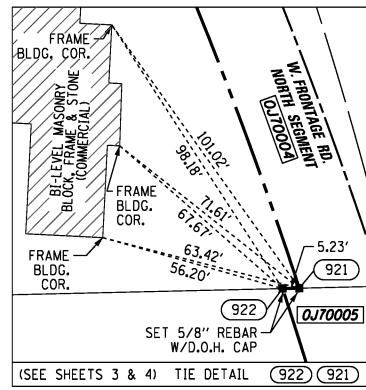
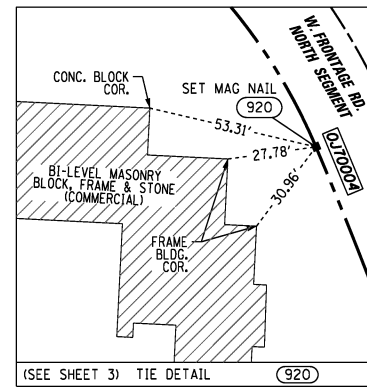
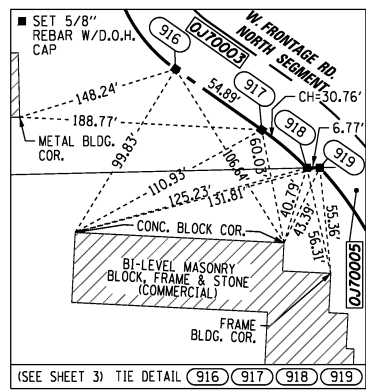
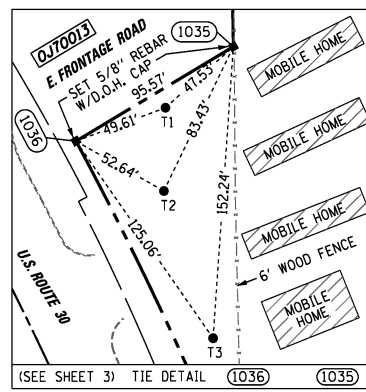
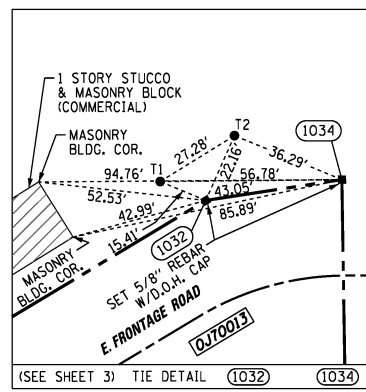
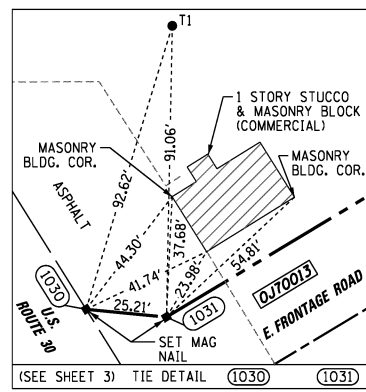
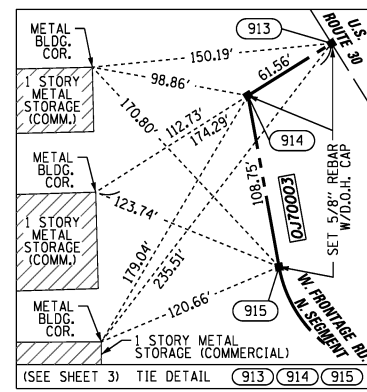
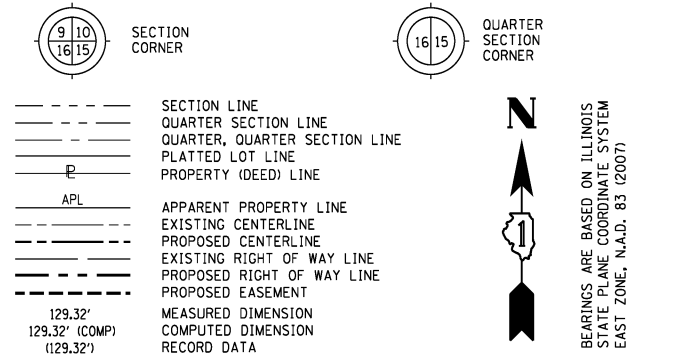
PLAT OF HIGHWAYS  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 U.S. ROUTE 30

SECTION: @ CN RAILROAD COOK COUNTY  
 PROJECT JOB NO. R-90-017-11  
 STATION NONE TO STATION NONE  
 SCALE: N/A SHEET 13 OF 15

BUREAU OF LAND ACQUISITION  
 201 WEST CENTER COURT  
 SCHAUMBURG, ILLINOIS 60196-1096

PRINTING DATE: AUGUST 16, 2013 JLS /Microstation/Sheet 13.dgn

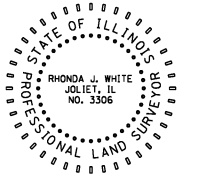
LEGEND



- IRON PIPE OR ROD FOUND
- SET 5/8" x 30" REBAR
- + CUT CROSS FOUND OR SET
- PK FOUND PK NAIL
- PK SET PK NAIL
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION
- T2 SET 5/8 INCH REBAR FLUSH WITH GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.
- BT2 BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE.
- BT3 IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY.
- SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS PROFESSIONAL NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.
- BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- PERMANENT SURVEY MARKER, 1DOT STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS )  
 COUNTY OF WILL )  
 THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 184-004039, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 20 AND 29, TOWNSHIP 35 NORTH, RANGE 15 EAST OF THE THIRD PRINCIPAL MERIDIAN, 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. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 16TH DAY OF AUGUST, 2013 A.D.  
 Rhonda J. White PRESIDENT  
 RHONDA J. WHITE  
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003306  
 LICENSE EXPIRES NOVEMBER 30, 2014  
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



COORDINATE TABLE ~ U.S. ROUTE 30

PT. NO.	STATION	OFFSET	NORTHING	EASTING
913	266+84.50	50.00' RT	1,762,050.0047	1,204,272.6689
914	266+84.50	111.56' RT	1,762,017.3684	1,204,220.4721
1030	267+07.57	55.00' LT	1,762,086.0277	1,204,373.9805
1031	267+22.29	75.09' LT	1,762,083.6078	1,204,399.0774
1032	267+22.99	170.08' LT	1,762,132.5262	1,204,480.5145
1034	267+37.88	209.86' LT	1,762,139.0403	1,204,523.0669
915	267+92.90	149.84' RT	1,761,910.3671	1,204,239.8969
1035	268+19.35	160.47' LT	1,762,036.5346	1,204,524.6233
1036	268+23.58	65.00' LT	1,761,987.3206	1,204,442.6940
916	268+58.84	145.14' RT	1,761,859.2069	1,204,272.6066
917	269+10.84	118.85' RT	1,761,827.6445	1,204,317.5106
918	269+40.64	105.98' RT	1,761,807.7547	1,204,340.9698
919	269+43.46	99.75' RT	1,761,807.9109	1,204,347.7422
920	270+07.09	89.62' RT	1,761,756.6186	1,204,380.9779
922	271+25.76	94.56' RT	1,761,849.4380	1,204,415.7899
921	271+27.40	89.53' RT	1,761,849.5584	1,204,421.0123
923	272+89.85	97.45' RT	1,761,499.3782	1,204,455.8148
924	273+16.28	147.57' RT	1,761,464.1235	1,204,412.4987
959	273+59.46	65.00' LT	1,761,466.5208	1,204,629.1895
925	273+64.66	154.33' RT	1,761,419.3570	1,204,414.9308
370	273+86.94	228.33' LT	1,761,467.7531	1,204,795.1919
926	274+18.77	162.39' RT	1,761,369.3628	1,204,415.6941
927	275+12.81	156.66' RT	1,761,285.2334	1,204,432.9805
929	276+61.91	168.89' RT	1,761,149.1339	1,204,430.0579
928	276+61.93	163.89' RT	1,761,149.2492	1,204,435.0568
962	277+19.64	100.00' LT	1,761,097.4958	1,204,699.8777
371	277+20.42	199.21' LT	1,761,098.2323	1,204,799.0879
963	277+48.33	60.00' LT	1,761,068.2013	1,204,660.3203
961	277+48.64	100.00' LT	1,761,068.4983	1,204,700.3205
930	277+52.89	169.00' RT	1,761,060.1406	1,204,431.4167
931	277+52.89	159.00' RT	1,761,060.2932	1,204,441.4156
932	278+46.61	159.00' RT	1,760,966.5842	1,204,442.8463
471	278+46.89	124.00' RT	1,760,966.8440	1,204,477.8465
964	278+48.33	60.00' LT	1,760,968.2099	1,204,661.8470
965	281+46.17	60.00' LT	1,760,670.4048	1,204,666.3940
966	282+46.85	60.00' LT	1,760,569.7397	1,204,667.9310
456	282+52.84	111.37' LT	1,760,564.5376	1,204,719.3854
977	282+58.83	165.00' LT	1,760,559.3597	1,204,773.1017
978	283+10.03	165.00' LT	1,760,508.1735	1,204,773.8833

PRINTING DATE: AUGUST 16, 2013 JLS /Microstation/Sheet 14.dgn

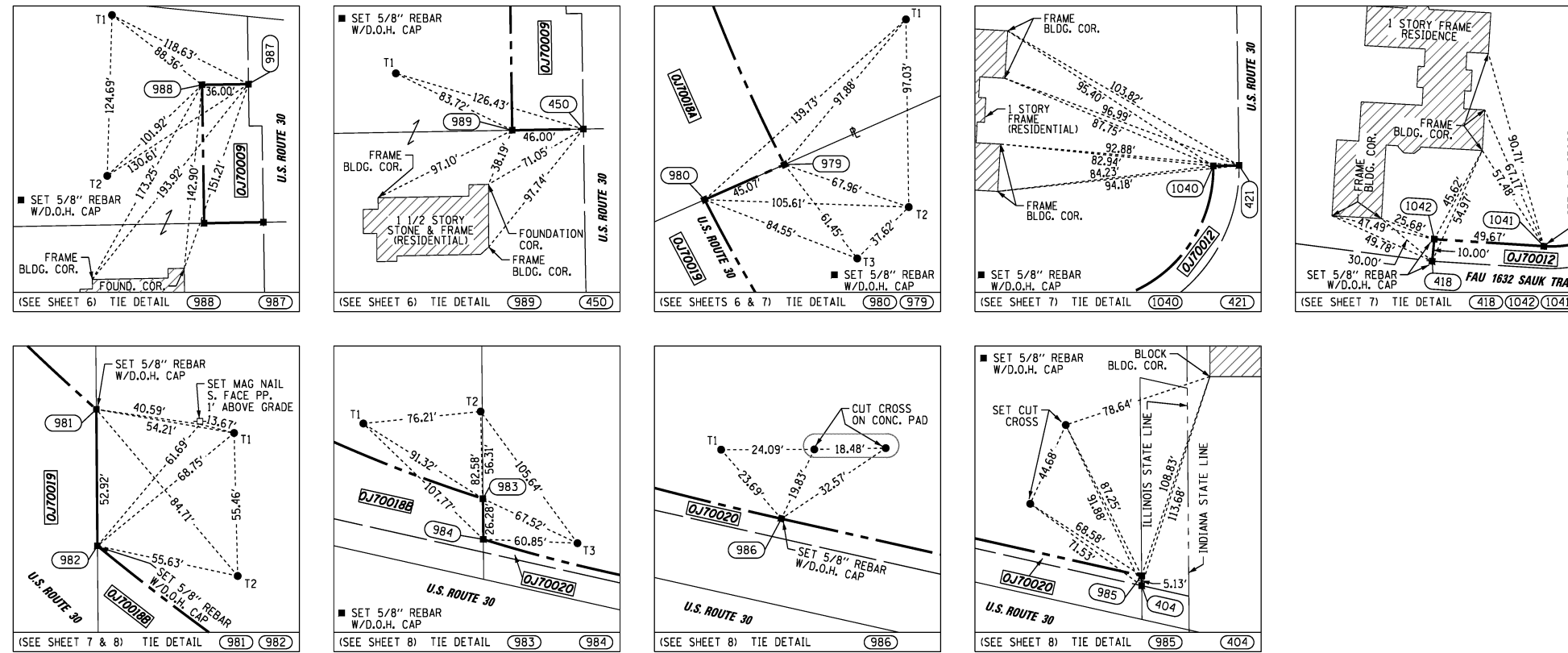
**CWA SURVEY**  
 CLAASSEN, WHITE & ASSOCIATES, P.C.  
 LAND SURVEYORS  
 121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431  
 (815) 744-3720 cclassenwhite@cwasurvey.com  
 CWA Job #5857

**PLAT OF HIGHWAYS**  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 U.S. ROUTE 30

SECTION: @ CN RAILROAD COOK COUNTY  
 PROJECT JOB NO. R-90-017-11  
 STATION NONE TO STATION NONE  
 SCALE: N/A SHEET 14 OF 15

BUREAU OF LAND ACQUISITION  
 201 WEST CENTER COURT  
 SCHALMBURG, ILLINOIS 60196-1096

PART OF SECTIONS 20 & 29, T35N, R15E OF THE 3rd PM, BLOOM TOWNSHIP, COOK COUNTY, ILLINOIS.



**LEGEND**

SECTION CORNER (9 10 16 15)      QUARTER SECTION CORNER (16 15)

SECTION LINE  
 QUARTER SECTION LINE  
 QUARTER, QUARTER SECTION LINE  
 PLATTED LOT LINE  
 PROPERTY (DEED) LINE

APL  
 APPARENT PROPERTY LINE  
 EXISTING CENTERLINE  
 PROPOSED CENTERLINE  
 EXISTING RIGHT OF WAY LINE  
 PROPOSED RIGHT OF WAY LINE  
 PROPOSED EASEMENT

MEASURED DIMENSION  
 COMPUTED DIMENSION  
 RECORD DATA

129.32'  
 129.32' (COMP)  
 (129.32')

BEARINGS ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, N.A.D. 83 (2007)

- IRON PIPE OR ROD FOUND      ○ SET 5/8" x 30" REBAR
- + CUT CROSS FOUND OR SET      ● PK FOUND PK NAIL      ○ PK SET PK NAIL
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION  
 T2 SET 5/8 INCH REBAR FLUSH WITH GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP AND BEARING SURVEYORS PROFESSIONAL NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.  
 BT2 BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE.  
 BT3 IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY.  
 SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS PROFESSIONAL NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.  
 BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- ⊙ PERMANENT SURVEY MARKER, 1DOT STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS )  
 ) SS  
 COUNTY OF WILL )

THIS IS TO CERTIFY THAT WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 184-004039, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 20 AND 29, TOWNSHIP 35 NORTH, RANGE 15 EAST OF THE THIRD PRINCIPAL MERIDIAN, 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. THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 16TH DAY OF AUGUST, 2013 A.D.

*Rhonda J. White* PRESIDENT  
 RHONDA J. WHITE  
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003306  
 LICENSE EXPIRES NOVEMBER 30, 2012  
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



**COORDINATE TABLE ~ US ROUTE 30**

PT.NO.	STATION	OFFSET	NORTHING	EASTING
988	282+78.01	160.00' RT.	1,760,535.2262	1,204,448.4323
987	282+78.01	124.00' RT.	1,760,535.7758	1,204,484.4282
989	283+75.18	162.36' RT.	1,760,427.9402	1,204,450.0704
450	283+77.68	116.45' RT.	1,760,428.7477	1,204,496.0635
980	287+83.69	120.00' LT.	1,760,104.2885	1,204,828.8374
979	287+86.67	165.00' LT.	1,760,122.4673	1,204,870.0820
981	291+74.48	120.00' LT.	1,759,832.4977	1,205,039.1649
982	292+12.83	80.00' LT.	1,759,779.5804	1,205,039.5948
983	296+06.43	80.00' LT.	1,759,606.9941	1,205,356.8553
984	296+15.09	55.00' LT.	1,759,580.7189	1,205,357.0687
986	296+98.63	55.00' LT.	1,759,560.3442	1,205,433.5059
985	297+85.33	55.00' LT.	1,759,541.3964	1,205,518.1063
404	297+86.49	50.00' LT.	1,759,536.2632	1,205,518.1480

**COORDINATE TABLE ~ SAUK TRAIL**

PT.NO.	STATION	OFFSET	NORTHING	EASTING
418	383+42.87	26.91' LT.	1,759,670.1653	1,204,407.4394
1042	383+44.05	36.86' LT.	1,759,680.1247	1,204,408.3970
1041	383+96.30	30.70' LT.	1,759,676.9846	1,204,457.9715
1040	384+66.06	74.20' LT.	1,759,730.1304	1,204,513.7310
421	384+77.19	72.07' LT.	1,759,730.2831	1,204,523.7298

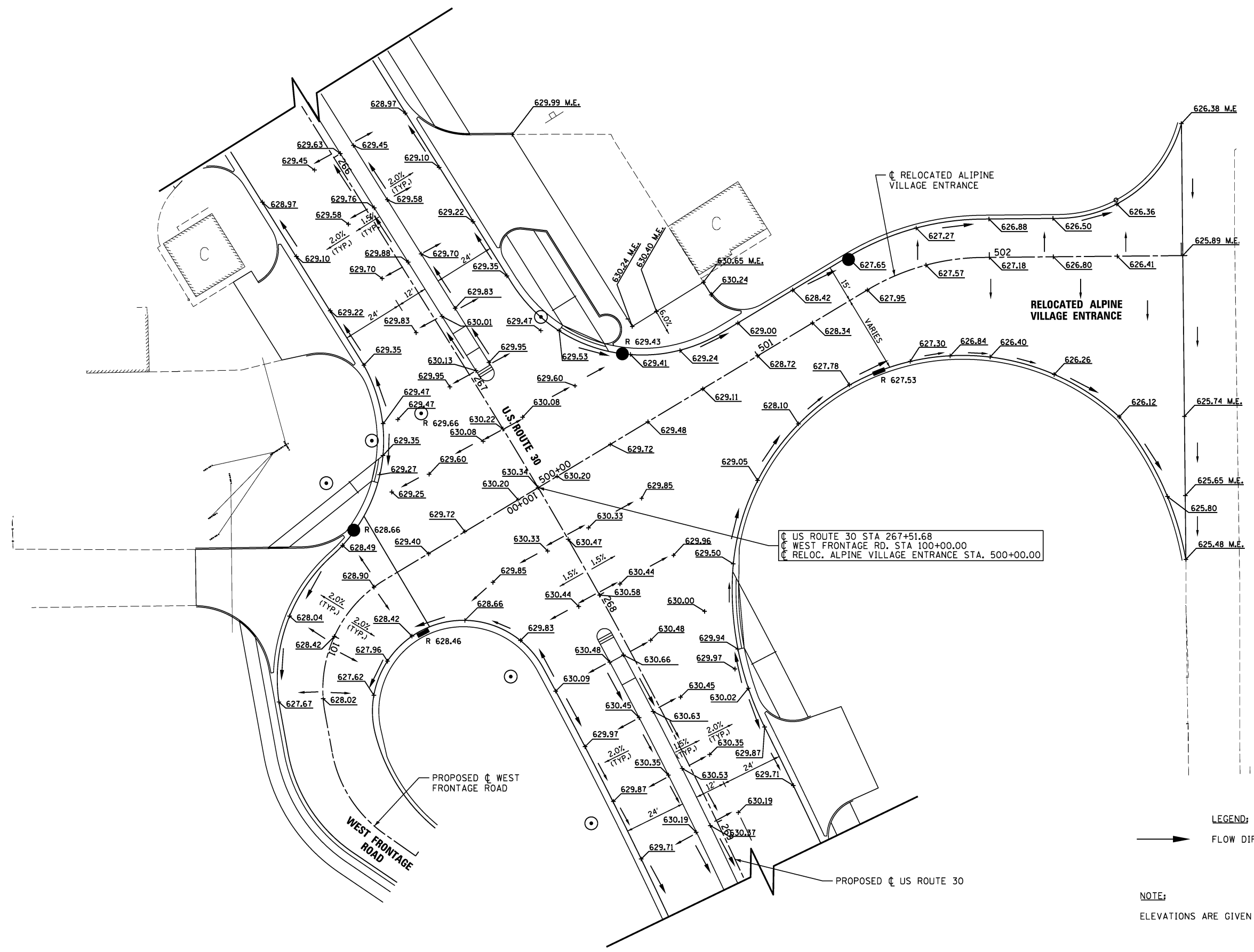
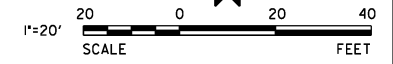
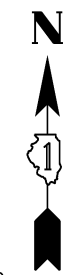
PRINTING DATE: AUGUST 16, 2013 JLS /Microstation/Sheet 15.dgn

**CWA SURVEY**  
**CLAASSEN, WHITE & ASSOCIATES, P.C. LAND SURVEYORS**  
 121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431  
 (815) 744-3720      cklassenwhite@cwasurvey.com  
 CWA Job #5857

**PLAT OF HIGHWAYS**  
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**U.S. ROUTE 30**

SECTION: @ CN RAILROAD      COOK COUNTY  
 PROJECT      JOB NO. R-90-017-11  
 STATION NONE      TO STATION NONE  
 SCALE: N/A      SHEET 15 OF 15

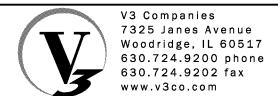
**BUREAU OF LAND ACQUISITION**  
 201 WEST CENTER COURT  
 SCHALMBURG, ILLINOIS 60196-1096



C US ROUTE 30 STA 267+51.68  
 C WEST FRONTAGE RD. STA 100+00.00  
 C RELOC. ALPINE VILLAGE ENTRANCE STA. 500+00.00

**LEGEND:**  
 → FLOW DIRECTION

**NOTE:**  
 ELEVATIONS ARE GIVEN AT 25' INTERVALS UNLESS OTHERWISE NOTED.



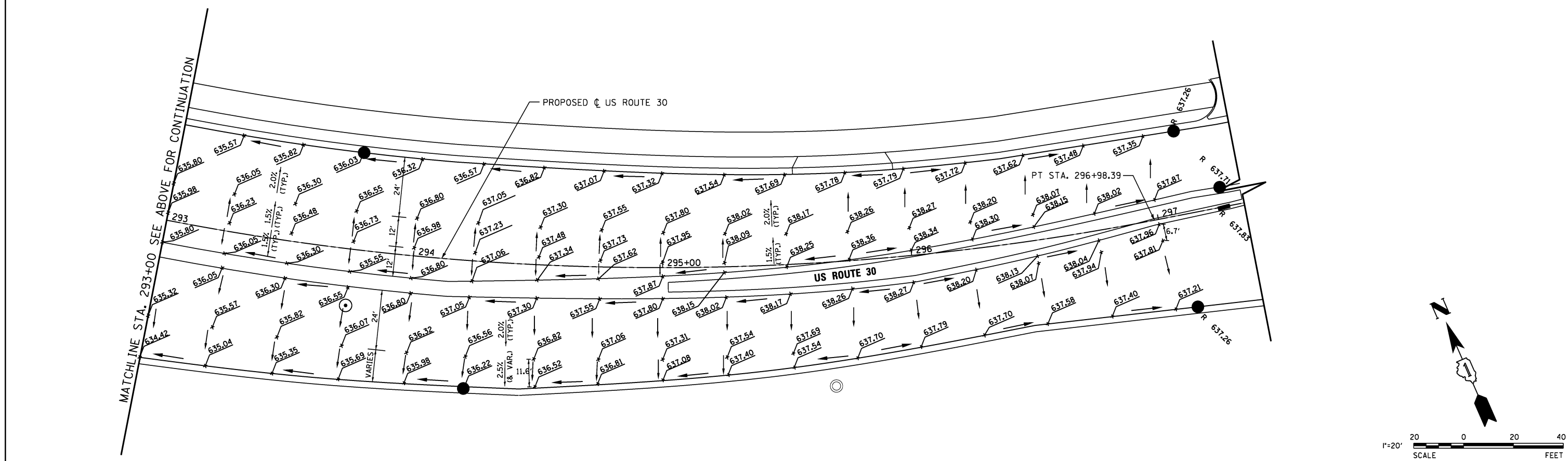
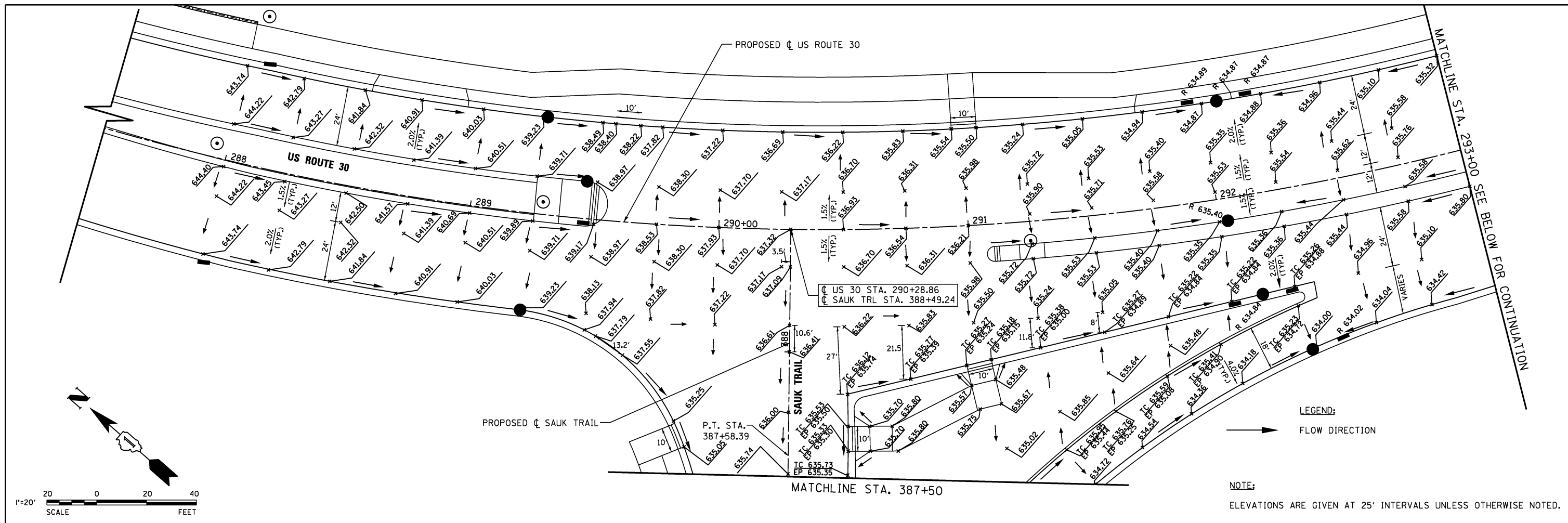
USER NAME = hshsh	DESIGNED - DTE	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - DRP	REVISED -
PLOT DATE = 8/21/2013	CHECKED - VJD	REVISED -
	DATE - 08/14/2013	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**US ROUTE 30 AND WEST FRONTAGE ROAD  
 INTERSECTION DETAILS / ELEVATIONS**

SCALE: 1" = 20' SHEET NO. 1 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	149
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				



V3 Companies  
 7325 Janes Avenue  
 Woodridge, IL 60517  
 630.724.9200 phone  
 630.724.9202 fax  
 www.v3co.com

USER NAME = hshsh  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 8/21/2013

DESIGNED - DTE  
 DRAWN - DRP  
 CHECKED - VJD  
 DATE - 08/14/2013

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

US ROUTE 30 AND SAUK TRAIL  
 INTERSECTION DETAILS / ELEVATIONS

SCALE: 1" = 20'








SHEET NO. 2 OF 3 SHEETS

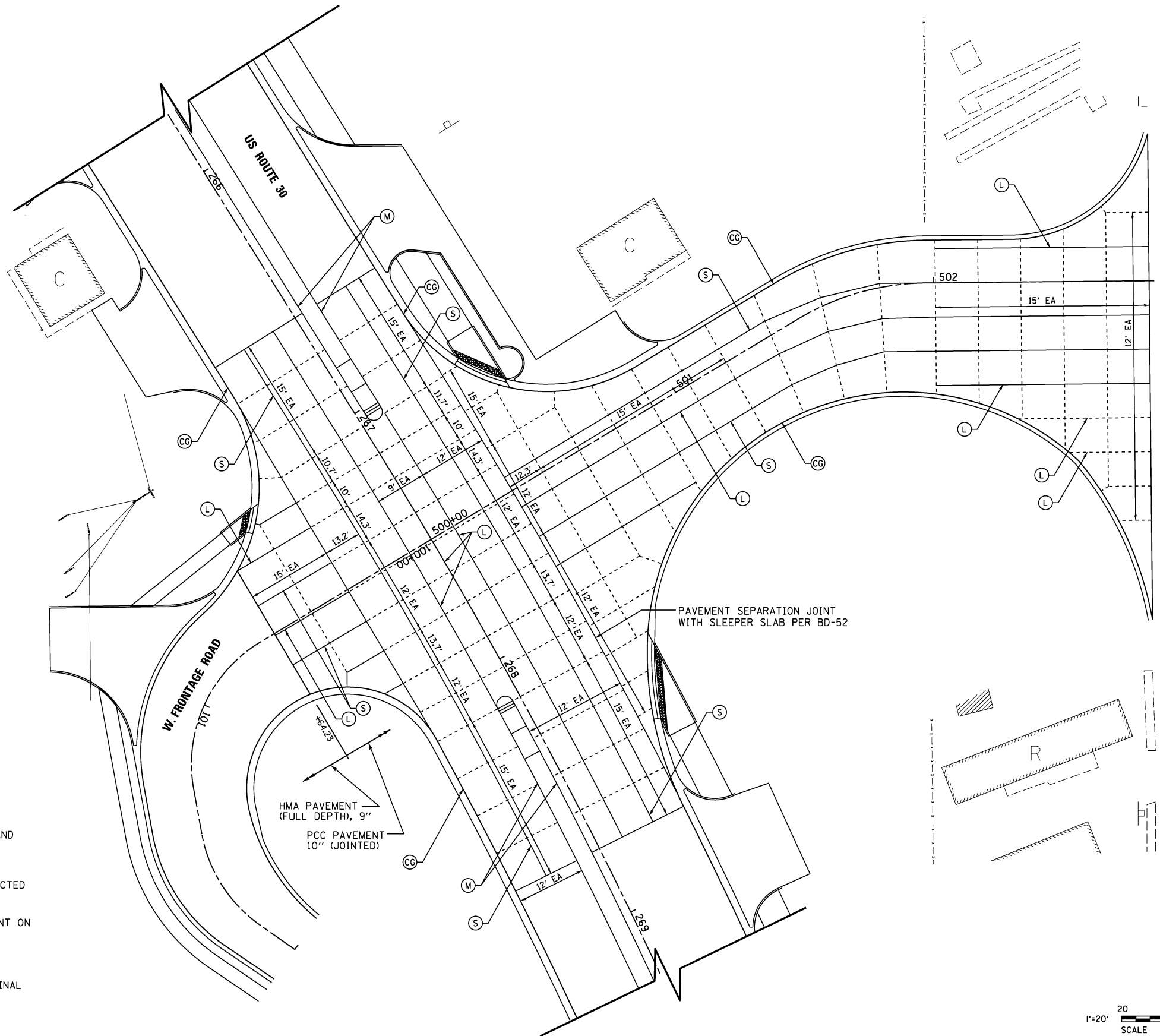
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	150
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				





**LEGEND**

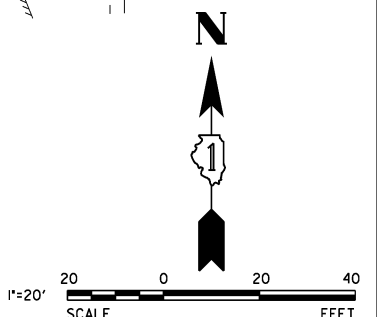
-  12' EA LENGTH OF PAVEMENT PANEL BETWEEN JOINTS
-  LONGITUDINAL JOINT  
SEE CALL-OUTS FOR TYPE AND BAR SPACING
-  SAWED TRANSVERSE CONSTRUCTION JOINT  
WITH SMOOTH DOWEL BARS (EPOXY COATED), 1-1/2" DIA.,  
18" LONG @ 12" C-C (INCLUDED IN THE COST OF  
"PCC PAVEMENT 10" JOINTED" OR "PCC PAVEMENT 9-1/2" JOINTED")
-  CONSTRUCTION JOINT  
NO. 6 X 24" DEFORMED TIE BARS (EPOXY COATED)  
GROUTED IN PLACE AT 24" C-C (INCLUDED IN COST OF "COMBINATION  
CONCRETE CURB AND GUTTER, TYPE B-6.24" OR "COMBINATION CONCRETE  
CURB AND GUTTER, TYPE B-6.12")
-  CONSTRUCTION JOINT  
NO. 6 X 24" DEFORMED TIE BARS (EPOXY COATED)  
GROUTED IN PLACE AT 24" C-C (INCLUDED IN COST OF "CORRUGATED  
MEDIAN", "CONCRETE MEDIAN, TYPE SB6.12", "CONCRETE MEDIAN, TYPE  
SB-6.24", OR "CONCRETE MEDIAN, TYPE SB-6.24 (MODIFIED)")
-  LONGITUDINAL CONSTRUCTION JOINT  
NO. 6 X 24" DEFORMED TIE BARS (EPOXY COATED) AT 24" C-C (INCLUDED  
IN COST OF "PCC PAVEMENT 10" (JOINTED) OR PCC PAVEMENT 9-1/2"  
(JOINTED)")
-  LONGITUDINAL SAWED JOINT  
NO. 6 X 30" DEFORMED TIE BARS (EPOXY COATED) AT 30" C-C (INCLUDED  
IN COST OF "PCC PAVEMENT 10" (JOINTED)" OR PCC PAVEMENT 9-1/2"  
(JOINTED)")



**RELOCATED  
ALPINE VILLAGE  
ENTRANCE**

**NOTES:**

1. TRANSVERSE CONTRACTION JOINTS SHALL BE ALIGNED ACROSS SOLID BARRIER MEDIANS. JOINT LAYOUT MAY BE MODIFIED (+/- 3 FT PER STANDARD 420101 AND 420106) UPON APPROVAL BY THE ENGINEER TO INCORPORATE CHANGES DURING CONSTRUCTION.
2. PAVEMENT ROUND-OUTS FOR MANHOLES AND VALVE VAULTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HIGHWAY STANDARD 420111 AND DISTRICT DETAIL BD-48.
3. SEE DISTRICT DETAIL BD-52 FOR TIE BAR AND DOWEL BAR USE AT FIRST JOINT ON SIDE ROAD AT ALL INTERSECTIONS.
4. SEE IDOT STANDARDS 420001, 420101, AND 420111 FOR ADDITIONAL DETAILS.
5. AT THE APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY CHANGE LONGITUDINAL SAWED JOINTS TO LONGITUDINAL CONSTRUCTION JOINTS.



**V3** Companies  
7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
630.724.9202 fax  
www.v3co.com

USER NAME = hshsh	DESIGNED - DTE	REVISED -
PLOT SCALE = 20.0000' / 1"	DRAWN - DRP	REVISED -
PLOT DATE = 8/21/2013	CHECKED - VJD	REVISED -
	DATE - 08/14/2013	REVISED -

DESIGNED - DTE	REVISED -
DRAWN - DRP	REVISED -
CHECKED - VJD	REVISED -
DATE - 08/14/2013	REVISED -

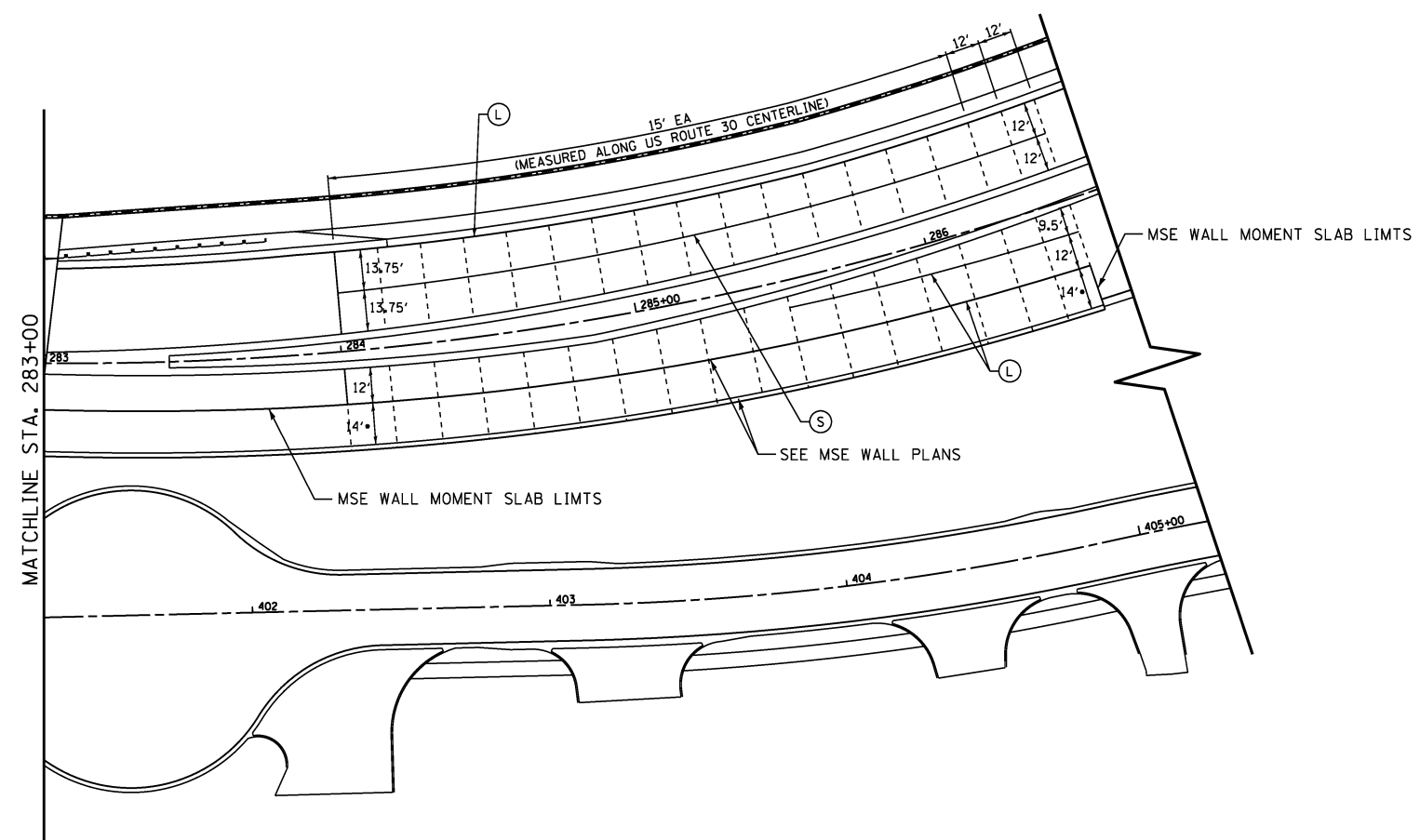
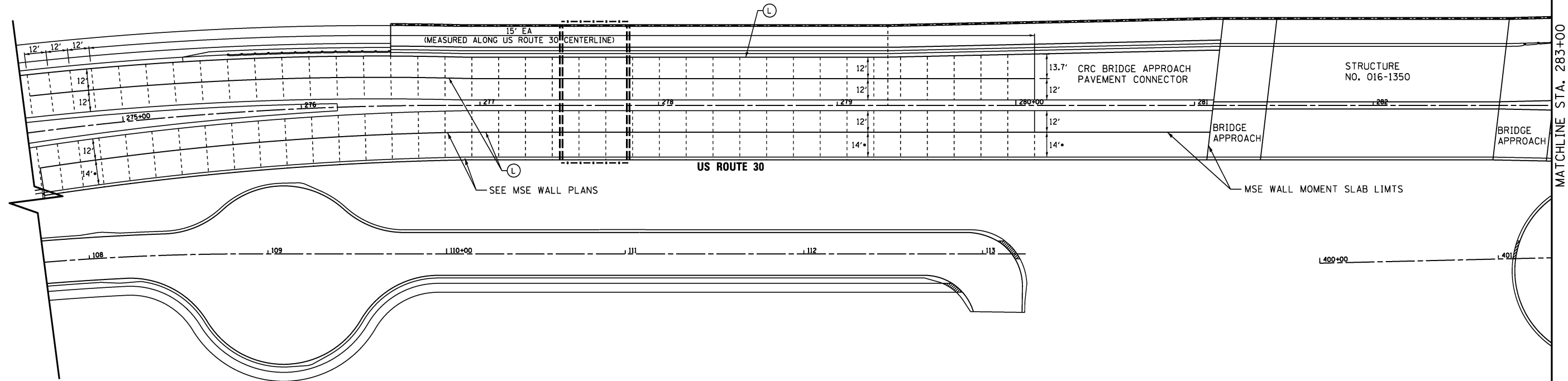
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**US ROUTE 30 AND WEST FRONTAGE ROAD  
PAVEMENT JOINTING DETAILS**

SCALE: 1" = 20' SHEET NO. 1 OF 4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	152
CONTRACT NO. 60R19				

ILLINOIS FED. AID PROJECT

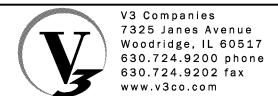
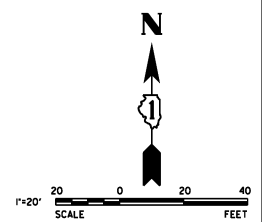


**NOTES:**

1. TRANSVERSE CONTRACTION JOINTS SHALL BE ALIGNED ACROSS SOLID BARRIER MEDIANS. JOINT LAYOUT MAY BE MODIFIED (+/- 3 FT PER STANDARD 420101 AND 420106) UPON APPROVAL BY THE ENGINEER TO INCORPORATE CHANGES DURING CONSTRUCTION.
2. PAVEMENT ROUND-OUTS FOR MANHOLES AND VALVE VAULTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HIGHWAY STANDARD 420111 AND DISTRICT DETAIL BD-48.
3. SEE DISTRICT DETAIL BD-52 FOR TIE BAR AND DOWEL BAR USE AT FIRST JOINT ON SIDE ROAD AT ALL INTERSECTIONS.
4. SEE IDOT STANDARDS 420001, 420101, AND 420111 FOR ADDITIONAL DETAILS.
5. AT THE APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY CHANGE LONGITUDINAL SAWED JOINTS TO LONGITUDINAL CONSTRUCTION JOINTS.
6. "•" MEASURED TO FACE OF PARAPET. SEE MSE WALL PLANS.

**LEGEND**

- 12' EA LENGTH OF PAVEMENT PANEL BETWEEN JOINTS
- LONGITUDINAL JOINT  
SEE CALL-OUTS FOR TYPE AND BAR SPACING
- SAWED TRANSVERSE CONSTRUCTION JOINT  
WITH SMOOTH DOWEL BARS (EPOXY COATED), 1-1/2" DIA., 18" LONG @ 12" C-C (INCLUDED IN THE COST OF "PCC PAVEMENT 10" JOINTED" OR "PCC PAVEMENT 9-1/2" JOINTED")
- CC CONSTRUCTION JOINT  
NO. 6 X 24" DEFORMED TIE BARS (EPOXY COATED) GROUTED IN PLACE AT 24" C-C (INCLUDED IN COST OF "COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24" OR "COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12")
- M CONSTRUCTION JOINT  
NO. 6 X 24" DEFORMED TIE BARS (EPOXY COATED) GROUTED IN PLACE AT 24" C-C (INCLUDED IN COST OF "CORRUGATED MEDIAN", "CONCRETE MEDIAN, TYPE SB6.12", "CONCRETE MEDIAN, TYPE SB-6.24", OR "CONCRETE MEDIAN, TYPE SB-6.24 (MODIFIED)")
- L LONGITUDINAL CONSTRUCTION JOINT  
NO. 6 X 24" DEFORMED TIE BARS (EPOXY COATED) AT 24" C-C (INCLUDED IN COST OF "PCC PAVEMENT 10" (JOINTED) OR PCC PAVEMENT 9-1/2" (JOINTED)")
- S LONGITUDINAL SAWED JOINT  
NO. 6 X 30" DEFORMED TIE BARS (EPOXY COATED) AT 30" C-C (INCLUDED IN COST OF "PCC PAVEMENT 10" (JOINTED) OR PCC PAVEMENT 9-1/2" (JOINTED)")








USER NAME = hshsh	DESIGNED - DTE	REVISED -
PLOT SCALE = 30.0000' / in.	DRAWN - DRP	REVISED -
PLOT DATE = 8/21/2013	CHECKED - VJD	REVISED -
	DATE - 08/14/2013	REVISED -



**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

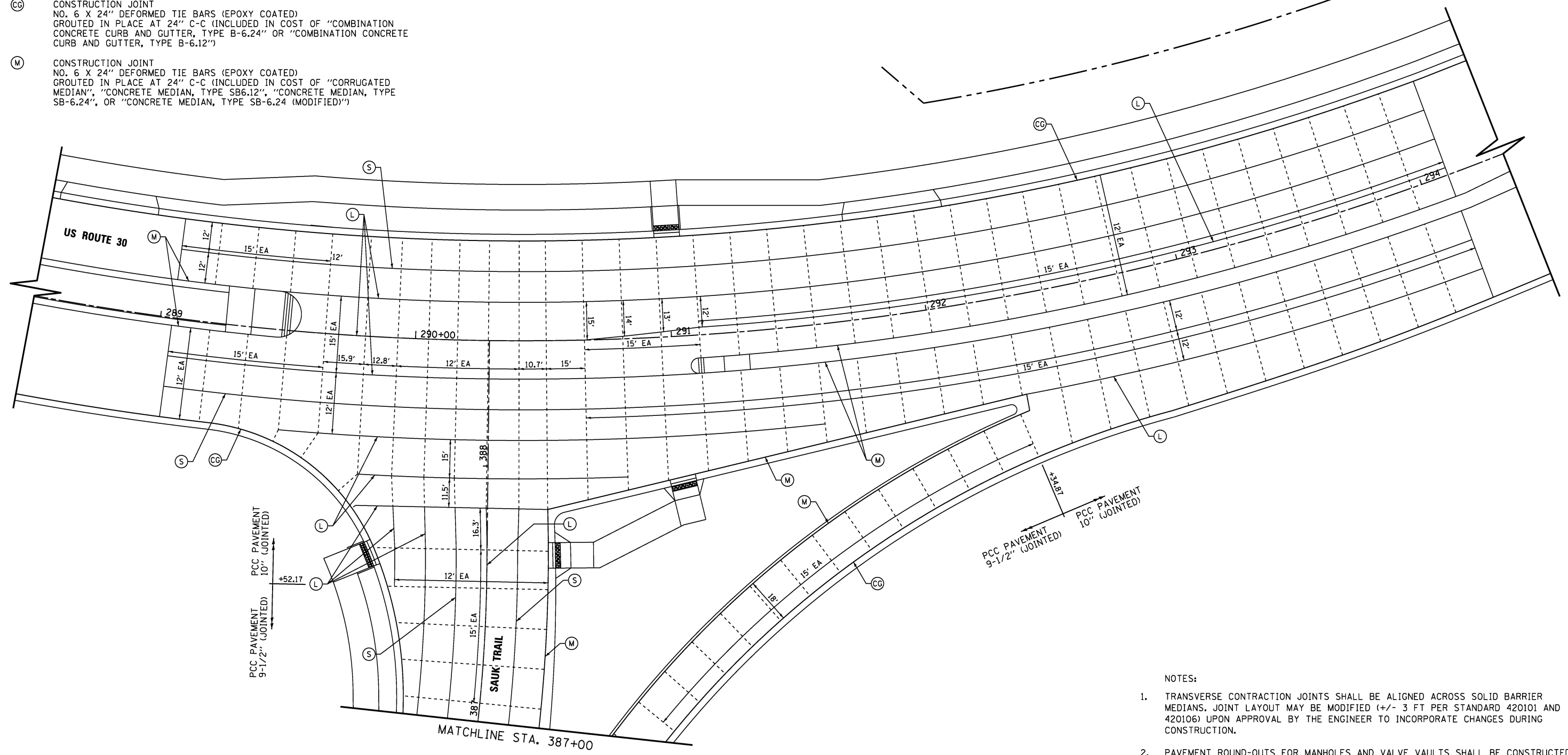
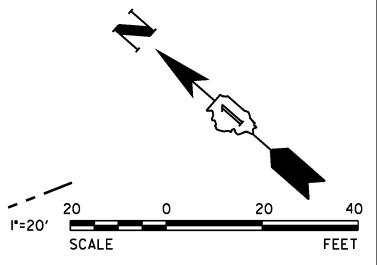
<b>US ROUTE 30 PAVEMENT JOINTING DETAILS</b>	
SCALE: 1"=30'	TO STA.
SHEET NO. 2 OF 4 SHEETS	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	153
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				

**LEGEND**

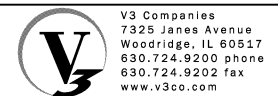
-  12' EA LENGTH OF PAVEMENT PANEL BETWEEN JOINTS
-  LONGITUDINAL JOINT  
SEE CALL-OUTS FOR TYPE AND BAR SPACING
-  SAWED TRANSVERSE CONSTRUCTION JOINT  
WITH SMOOTH DOWEL BARS (EPOXY COATED), 1-1/2" DIA.,  
18" LONG @ 12" C-C (INCLUDED IN THE COST OF  
"PCC PAVEMENT 9-3/4" JOINTED")
-  CONSTRUCTION JOINT  
NO. 6 X 24" DEFORMED TIE BARS (EPOXY COATED)  
GROUTED IN PLACE AT 24" C-C (INCLUDED IN COST OF "COMBINATION  
CONCRETE CURB AND GUTTER, TYPE B-6.24" OR "COMBINATION CONCRETE  
CURB AND GUTTER, TYPE B-6.12")
-  CONSTRUCTION JOINT  
NO. 6 X 24" DEFORMED TIE BARS (EPOXY COATED)  
GROUTED IN PLACE AT 24" C-C (INCLUDED IN COST OF "CORRUGATED  
MEDIAN", "CONCRETE MEDIAN, TYPE SB6.12", "CONCRETE MEDIAN, TYPE  
SB-6.24", OR "CONCRETE MEDIAN, TYPE SB-6.24 (MODIFIED)")

-  LONGITUDINAL CONSTRUCTION JOINT  
NO. 6 X 24" DEFORMED TIE BARS (EPOXY COATED) AT 24" C-C (INCLUDED  
IN COST OF "PCC PAVEMENT 10" (JOINTED) OR PCC PAVEMENT 9-1/2"  
(JOINTED)")
-  LONGITUDINAL SAWED JOINT  
NO. 6 X 30" DEFORMED TIE BARS (EPOXY COATED) AT 30" C-C (INCLUDED  
IN COST OF "PCC PAVEMENT 10" (JOINTED)" OR PCC PAVEMENT 9-1/2"  
(JOINTED)")



**NOTES:**

1. TRANSVERSE CONTRACTION JOINTS SHALL BE ALIGNED ACROSS SOLID BARRIER MEDIANS. JOINT LAYOUT MAY BE MODIFIED (+/- 3 FT PER STANDARD 420101 AND 420106) UPON APPROVAL BY THE ENGINEER TO INCORPORATE CHANGES DURING CONSTRUCTION.
2. PAVEMENT ROUND-OUTS FOR MANHOLES AND VALVE VAULTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HIGHWAY STANDARD 420111 AND DISTRICT DETAIL BD-48.
3. SEE DISTRICT DETAIL BD-52 FOR TIE BAR AND DOWEL BAR USE AT FIRST JOINT ON SIDE ROAD AT ALL INTERSECTIONS.
4. SEE IDOT STANDARDS 420001, 420101, AND 420111 FOR ADDITIONAL DETAILS.
5. AT THE APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY CHANGE LONGITUDINAL SAWED JOINTS TO LONGITUDINAL CONSTRUCTION JOINTS.



USER NAME = hshsh	DESIGNED - DTE	REVISED -
PLOT SCALE = 20.0000' / 1"	DRAWN - DRP	REVISED -
PLOT DATE = 8/21/2013	CHECKED - VJD	REVISED -
	DATE - 08/14/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**








**US ROUTE 30 AND SAUK TRAIL  
PAVEMENT JOINTING DETAILS**

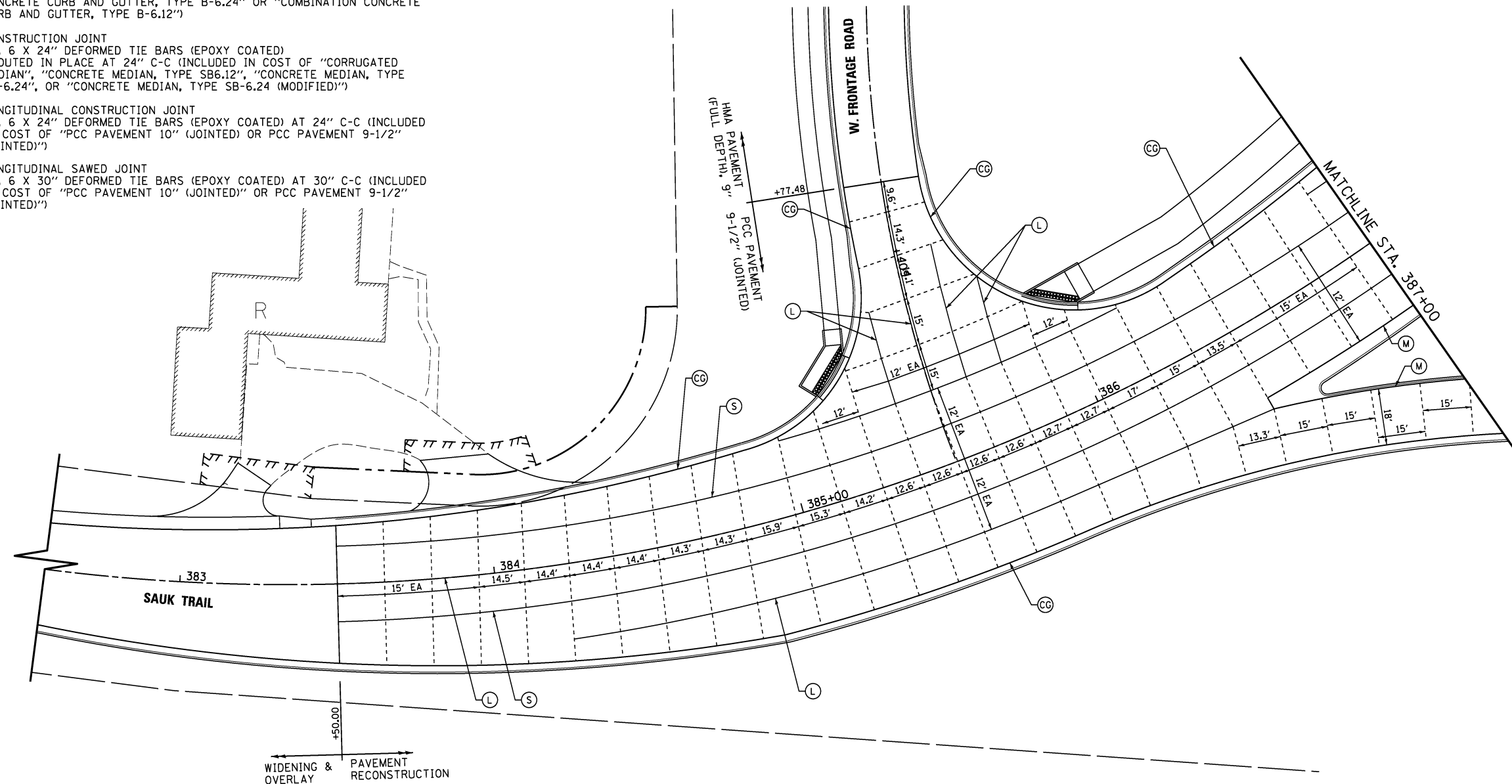
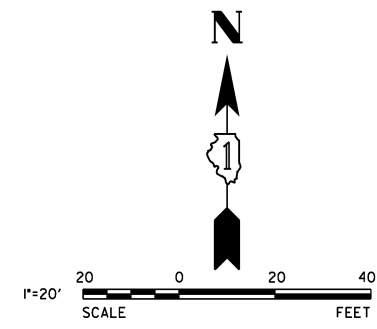
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	154
CONTRACT NO. 60R19				

SCALE: 1" = 20' SHEET NO. 3 OF 4 SHEETS

ILLINOIS FED. AID PROJECT

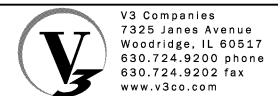
**LEGEND**

-  LENGTH OF PAVEMENT PANEL BETWEEN JOINTS
-  LONGITUDINAL JOINT  
SEE CALL-OUTS FOR TYPE AND BAR SPACING
-  SAWED TRANSVERSE CONSTRUCTION JOINT  
WITH SMOOTH DOWEL BARS (EPOXY COATED), 1-1/2" DIA.,  
18" LONG @ 12" C-C (INCLUDED IN THE COST OF  
"PCC PAVEMENT 9-3/4" JOINTED")
-  CONSTRUCTION JOINT  
NO. 6 X 24" DEFORMED TIE BARS (EPOXY COATED)  
GROUTED IN PLACE AT 24" C-C (INCLUDED IN COST OF "COMBINATION  
CONCRETE CURB AND GUTTER, TYPE B-6.24" OR "COMBINATION CONCRETE  
CURB AND GUTTER, TYPE B-6.12")
-  CONSTRUCTION JOINT  
NO. 6 X 24" DEFORMED TIE BARS (EPOXY COATED)  
GROUTED IN PLACE AT 24" C-C (INCLUDED IN COST OF "CORRUGATED  
MEDIAN", "CONCRETE MEDIAN, TYPE SB6.12", "CONCRETE MEDIAN, TYPE  
SB-6.24", OR "CONCRETE MEDIAN, TYPE SB-6.24 (MODIFIED)")
-  LONGITUDINAL CONSTRUCTION JOINT  
NO. 6 X 24" DEFORMED TIE BARS (EPOXY COATED) AT 24" C-C (INCLUDED  
IN COST OF "PCC PAVEMENT 10" (JOINTED) OR PCC PAVEMENT 9-1/2"  
(JOINTED)")
-  LONGITUDINAL SAWED JOINT  
NO. 6 X 30" DEFORMED TIE BARS (EPOXY COATED) AT 30" C-C (INCLUDED  
IN COST OF "PCC PAVEMENT 10" (JOINTED) OR PCC PAVEMENT 9-1/2"  
(JOINTED)")



**NOTES:**

1. TRANSVERSE CONTRACTION JOINTS SHALL BE ALIGNED ACROSS SOLID BARRIER MEDIANS. JOINT LAYOUT MAY BE MODIFIED (+/- 3 FT PER STANDARD 420101 AND 420106) UPON APPROVAL BY THE ENGINEER TO INCORPORATE CHANGES DURING CONSTRUCTION.
2. PAVEMENT ROUND-OUTS FOR MANHOLES AND VALVE VAULTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HIGHWAY STANDARD 420111 AND DISTRICT DETAIL BD-48.
3. SEE DISTRICT DETAIL BD-52 FOR TIE BAR AND DOWEL BAR USE AT FIRST JOINT ON SIDE ROAD AT ALL INTERSECTIONS.
4. SEE IDOT STANDARDS 420001, 420101, AND 420111 FOR ADDITIONAL DETAILS.
5. AT THE APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY CHANGE LONGITUDINAL SAWED JOINTS TO LONGITUDINAL CONSTRUCTION JOINTS.



V3 Companies  
7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
630.724.9202 fax  
www.v3co.com

USER NAME = hshsh  
DESIGNED - DTE  
DRAWN - DRP  
CHECKED - VJD  
DATE - 08/14/2013

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SAUK TRAIL AND WEST FRONTAGE ROAD  
PAVEMENT JOINTING DETAILS**

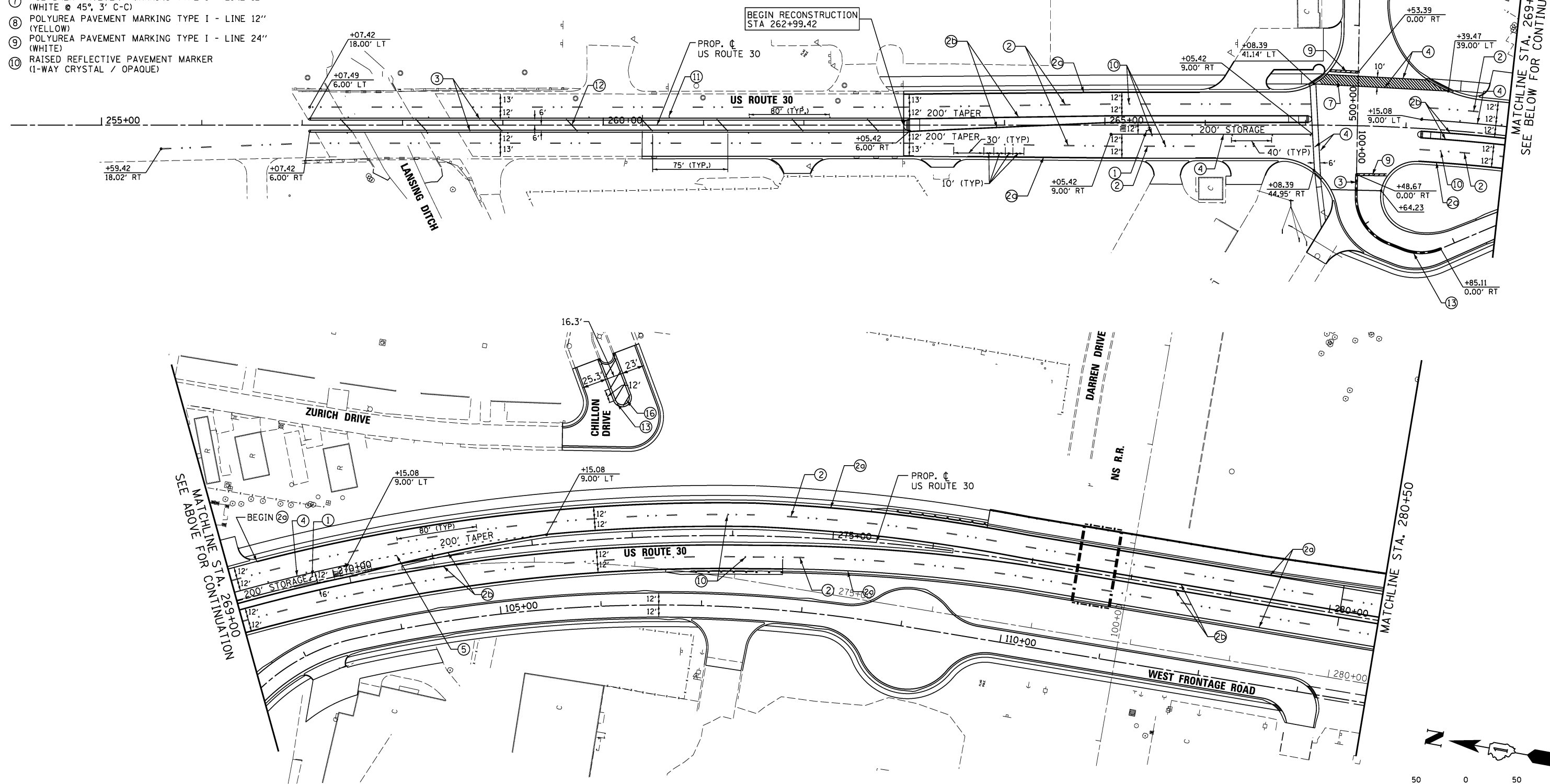
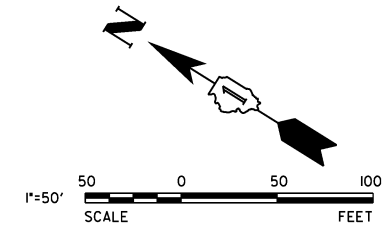
SCALE: 1" = 20' SHEET NO. 4 OF 4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	155
CONTRACT NO. 60R19				

ILLINOIS FED. AID PROJECT

**PROPOSED LEGEND**

- ① POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS (WHITE)
- ② POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (WHITE) (10' DASH, 30' SKIP)
- ③ POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (WHITE)
- ④ POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (YELLOW)
- ⑤ POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (DOUBLE YELLOW @ 11' C-C)
- ⑥ POLYUREA PAVEMENT MARKING TYPE I - LINE 6" (WHITE)
- ⑦ POLYUREA PAVEMENT MARKING TYPE I - LINE 6" (WHITE) (2' DASH, 6' SKIP)
- ⑧ POLYUREA PAVEMENT MARKING TYPE I - LINE 8" (WHITE)
- ⑨ POLYUREA PAVEMENT MARKING TYPE I - LINE 12" (WHITE @ 45°, 3' C-C)
- ⑩ POLYUREA PAVEMENT MARKING TYPE I - LINE 12" (YELLOW)
- ⑪ POLYUREA PAVEMENT MARKING TYPE I - LINE 24" (WHITE)
- ⑫ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE)
- ⑬ RAISED REFLECTIVE PAVEMENT MARKER (ONE-WAY AMBER)
- ⑭ POLYUREA PAVEMENT MARKING TYPE I - LINE 12" (YELLOW @ 45°, 75' C-C)
- ⑮ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW @ 11" C-C)
- ⑯ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- ⑰ PREFORMED PLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (INDIANA) (WHITE)
- ⑱ PREFORMED PLASTIC PAVEMENT MARKING - LINE 4" (INDIANA) (WHITE) (10' DASH, 30' SKIP)
- ⑲ PREFORMED PLASTIC PAVEMENT MARKING - LINE 4" (INDIANA) (DOUBLE YELLOW @ 11' C-C)
- ⑳ PREFORMED PLASTIC PAVEMENT MARKING - LINE 6" (INDIANA) (WHITE)
- ㉑ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) (2' DASH, 6' SKIP)
- ㉒ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)



USER NAME = \*USER\*  
 PLOT SCALE = \*SCALE\*  
 PLOT DATE = \*DATE\*

DESIGNED - DTE  
 DRAWN - DRP  
 CHECKED - VJD  
 DATE - 08/14/2013

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

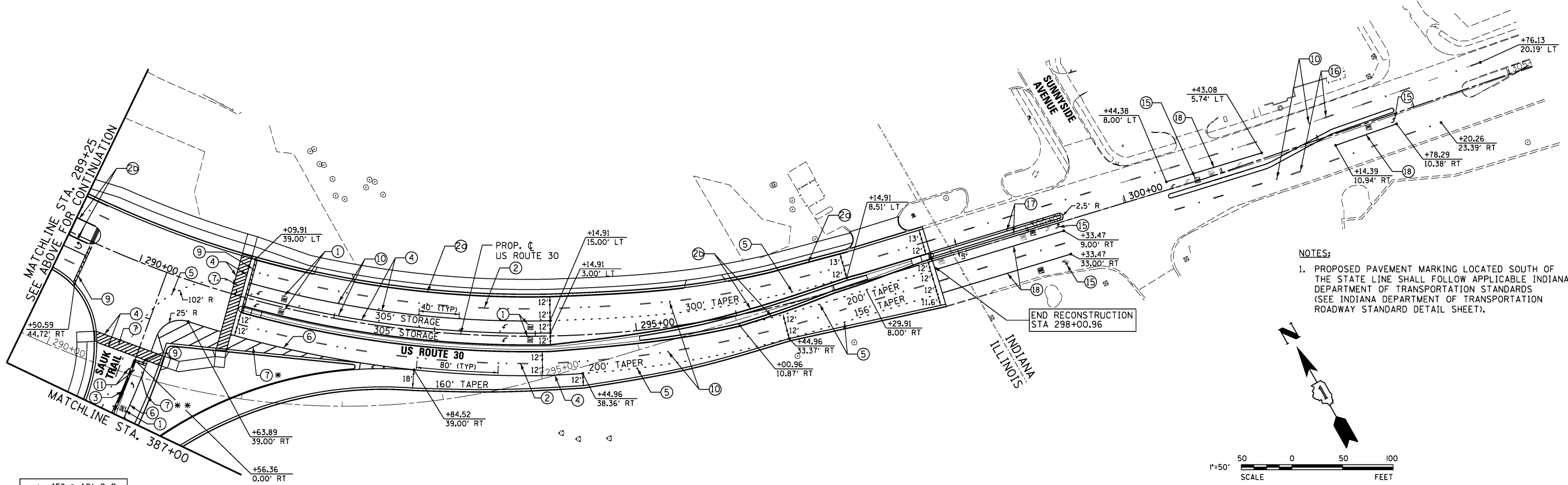
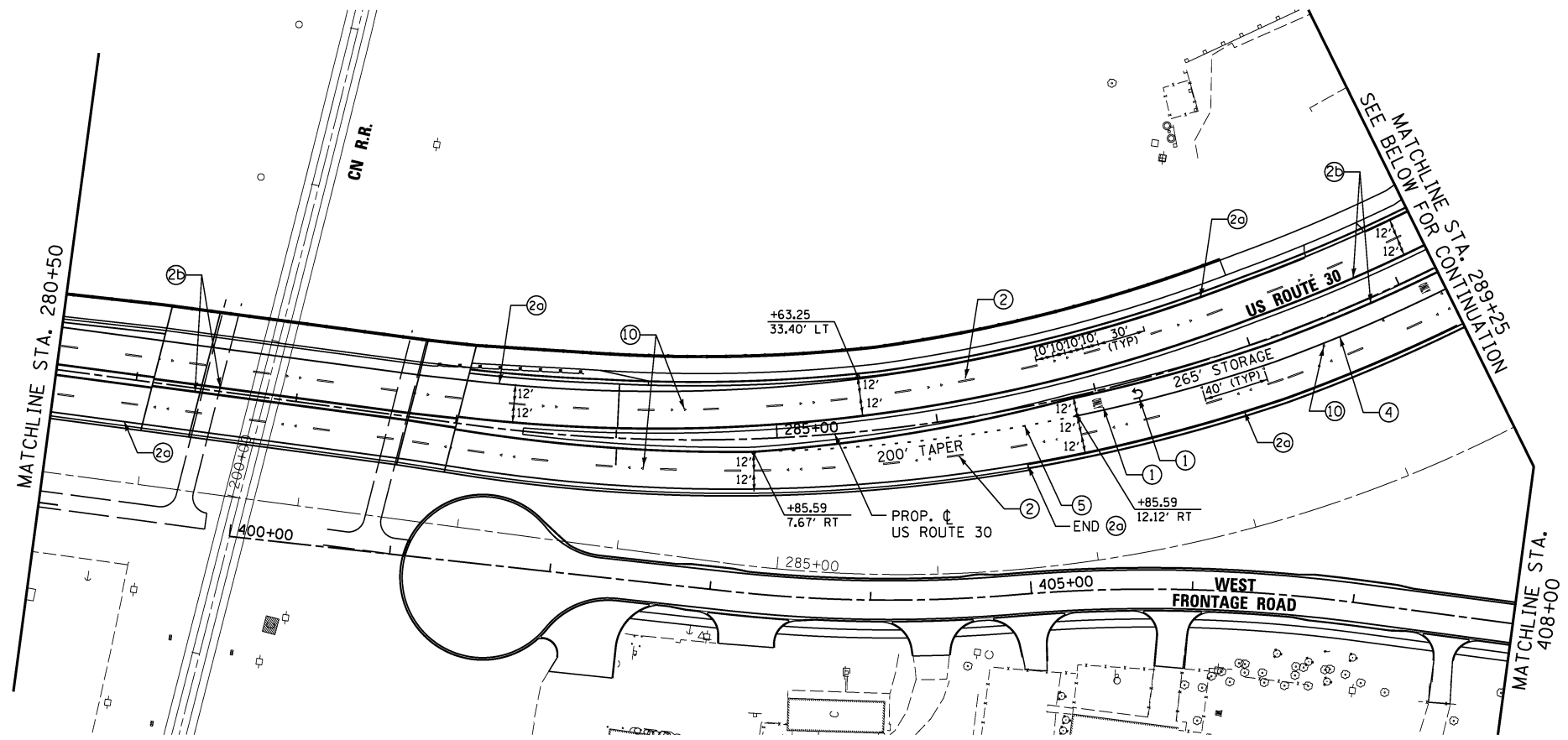
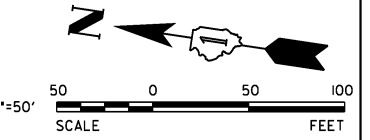
**US ROUTE 30 PAVEMENT MARKING PLANS  
 STATION 259+00 TO STATION 280+50**

SCALE: 1" = 50'    SHEET NO. 1 OF 3 SHEETS    STA. 259+00 TO STA. 280+50

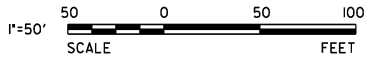
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	156
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				

**PROPOSED LEGEND**

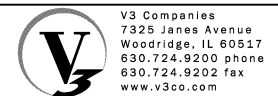
- ① POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS (WHITE)
- ② POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (WHITE) (10' DASH, 30' SKIP)
- ③ POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (WHITE)
- ④ POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (YELLOW)
- ⑤ POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (DOUBLE YELLOW @ 11' C-C)
- ⑥ POLYUREA PAVEMENT MARKING TYPE I - LINE 6" (WHITE)
- ⑦ POLYUREA PAVEMENT MARKING TYPE I - LINE 6" (WHITE) (2' DASH, 6' SKIP)
- ⑧ POLYUREA PAVEMENT MARKING TYPE I - LINE 8" (WHITE)
- ⑨ POLYUREA PAVEMENT MARKING TYPE I - LINE 12" (WHITE)
- ⑩ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE)
- ⑪ RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER)
- ⑫ POLYUREA PAVEMENT MARKING TYPE I - LINE 12" (YELLOW @ 45°, 75' C-C)
- ⑬ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW @ 11" C-C)
- ⑭ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- ⑮ PREFORMED PLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (INDIANA) (WHITE)
- ⑯ PREFORMED PLASTIC PAVEMENT MARKING - LINE 4" (INDIANA) (WHITE) (10' DASH, 30' SKIP)
- ⑰ PREFORMED PLASTIC PAVEMENT MARKING - LINE 4" (INDIANA) (DOUBLE YELLOW @ 11' C-C)
- ⑱ PREFORMED PLASTIC PAVEMENT MARKING - LINE, 6" (INDIANA) (WHITE)



**NOTES:**  
 1. PROPOSED PAVEMENT MARKING LOCATED SOUTH OF THE STATE LINE SHALL FOLLOW APPLICABLE INDIANA DEPARTMENT OF TRANSPORTATION STANDARDS (SEE INDIANA DEPARTMENT OF TRANSPORTATION ROADWAY STANDARD DETAIL SHEET).



\* 45° @ 10' C-C  
 \*\* 45° @ 25' C-C



V3 Companies  
 7325 Janes Avenue  
 Woodridge, IL 60517  
 630.724.9200 phone  
 630.724.9202 fax  
 www.v3co.com

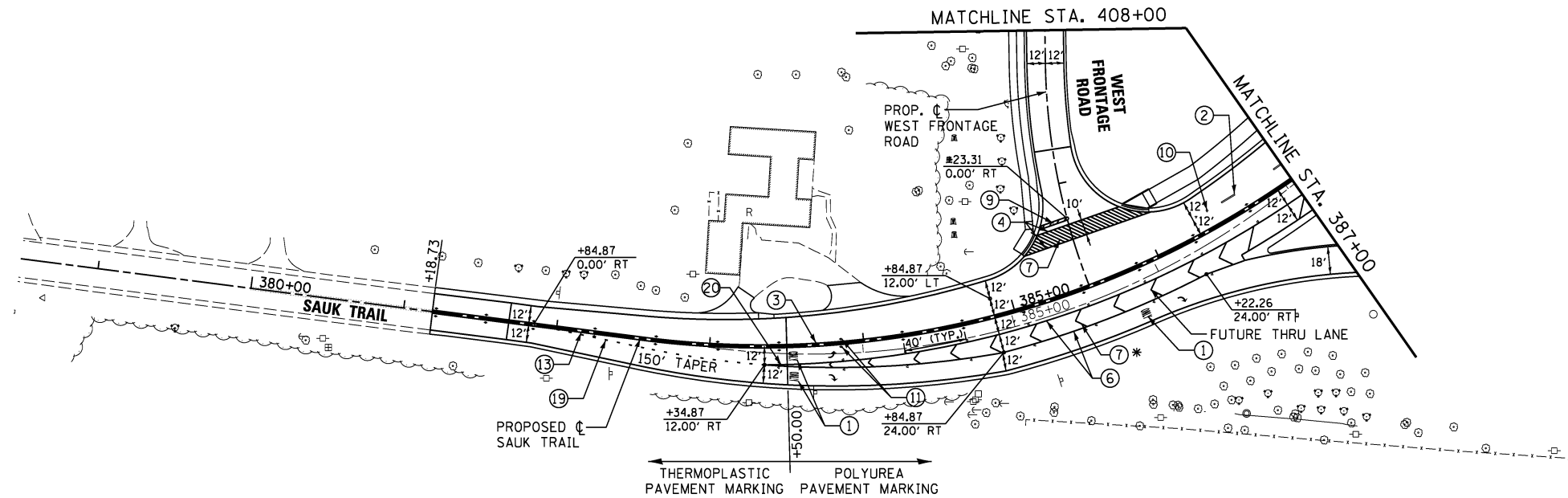
USER NAME = hshsh	DESIGNED - DTE	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - DRP	REVISED -
PLOT DATE = 8/21/2013	CHECKED - VJD	REVISED -
	DATE - 08/14/2013	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**US ROUTE 30 PAVEMENT MARKING PLANS  
 STATION 280+50 TO STATION 301+00**

SCALE: 1" = 50' SHEET NO. 2 OF 3 SHEETS STA. 280+50 TO STA. 301+00

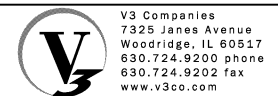
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	157
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				



**PROPOSED LEGEND**

- ① POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS (WHITE)
- ② POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (WHITE) (10' DASH, 30' SKIP)
- ②a POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (WHITE)
- ②b POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (YELLOW)
- ③ POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (DOUBLE YELLOW @ 11' C-C)
- ④ POLYUREA PAVEMENT MARKING TYPE I - LINE 6" (WHITE)
- ⑤ POLYUREA PAVEMENT MARKING TYPE I - LINE 6" (WHITE) (2' DASH, 6' SKIP)
- ⑥ POLYUREA PAVEMENT MARKING TYPE I - LINE 8" (WHITE)
- ⑦ POLYUREA PAVEMENT MARKING TYPE I - LINE 12" (WHITE @ 45°, 3' C-C)
- ⑧ POLYUREA PAVEMENT MARKING TYPE I - LINE 12" (YELLOW)
- ⑨ POLYUREA PAVEMENT MARKING TYPE I - LINE 24" (WHITE)
- ⑩ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE)
- ⑪ RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER)
- ⑫ POLYUREA PAVEMENT MARKING TYPE I - LINE 12" (YELLOW @ 45 33/64 , 75' C-C)
- ⑬ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW @ 11" C-C)
- ⑭ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- ⑮ PREFORMED PLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (INDIANA) (WHITE)
- ⑯ PREFORMED PLASTIC PAVEMENT MARKING - LINE 4" (INDIANA) (WHITE) (10' DASH, 30' SKIP)
- ⑰ PREFORMED PLASTIC PAVEMENT MARKING - LINE 4" (INDIANA) (DOUBLE YELLOW @ 11' C-C)
- ⑱ PREFORMED PLASTIC PAVEMENT MARKING - LINE 6" (INDIANA) (WHITE)
- ⑲ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) (2' DASH, 6' SKIP)
- ⑳ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)

\* 45° @ 25' C-C



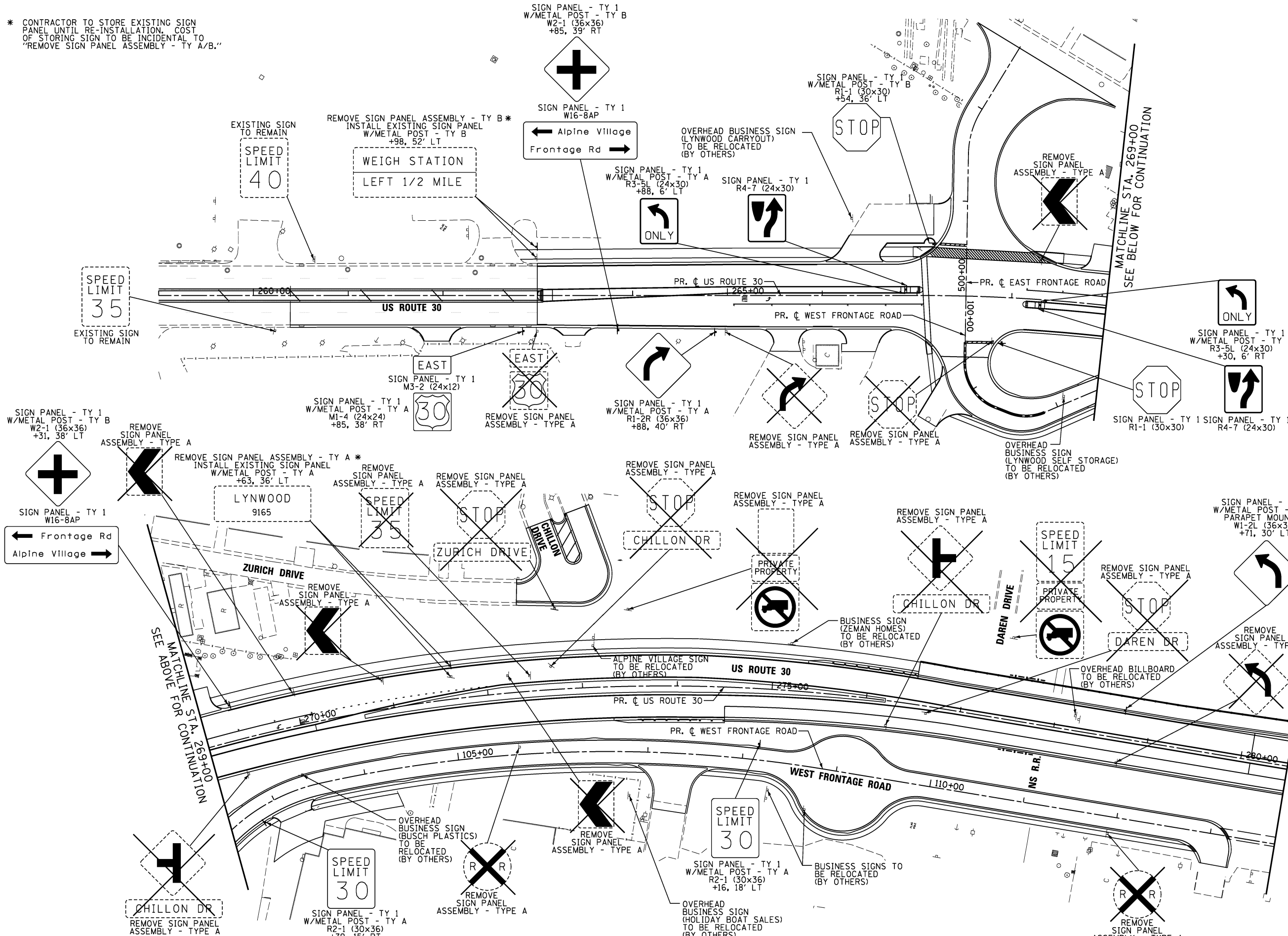
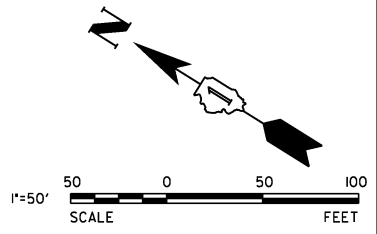
USER NAME = hshsh	DESIGNED - DTE	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - DRP	REVISED -
PLOT DATE = 8/21/2013	CHECKED - VJD	REVISED -
	DATE - 08/14/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SAUK TRAIL PAVEMENT MARKING PLANS STATION 378+50 TO STATION 387+00</b>		
SCALE: 1" = 50'	SHEET NO. 3 OF 3 SHEETS	STA. 378+50 TO STA. 387+00

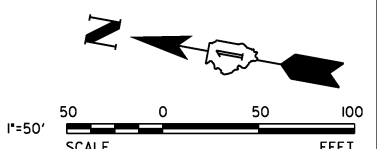
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	158
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				

\* CONTRACTOR TO STORE EXISTING SIGN PANEL UNTIL RE-INSTALLATION. COST OF STORING SIGN TO BE INCIDENTAL TO "REMOVE SIGN PANEL ASSEMBLY - TY A/B."



LEGEND

- SPEED LIMIT 35 EXISTING SIGN
- SPEED LIMIT 35 PROPOSED SIGN
- SIGN REMOVAL
- EXISTING SIGN LOCATION
- PROPOSED SIGN LOCATION



V3 Companies  
7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
630.724.9202 fax  
www.v3co.com

USER NAME = *USER*	DESIGNED - DTE	REVISED -
PLOT SCALE = *SCALE*	DRAWN - DRP	REVISED -
PLOT DATE = *DATE*	CHECKED - VJD	REVISED -
	DATE - 08/14/2013	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

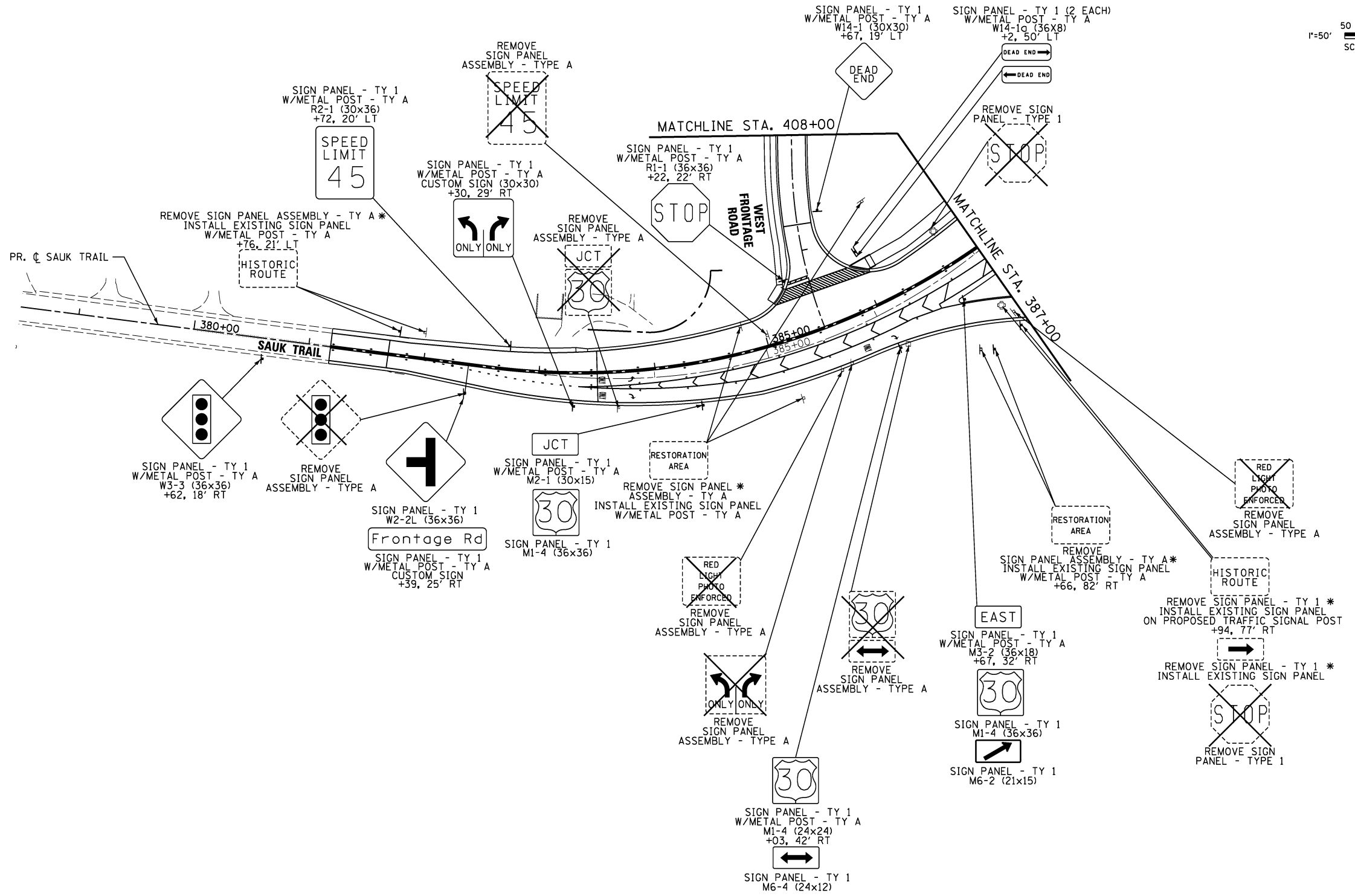
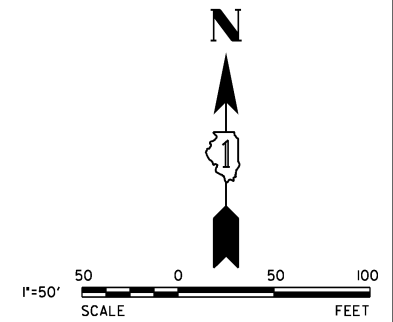
US ROUTE 30 SIGNING PLANS  
STATION 259+00 TO STATION 280+50  
SCALE: 1" = 50' SHEET NO. 1 OF 3 SHEETS STA. 259+00 TO STA. 280+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	159
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				








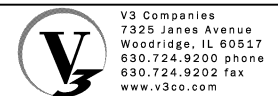


\* CONTRACTOR TO STORE EXISTING SIGN PANEL UNTIL RE-INSTALLATION. COST OF STORING SIGN TO BE INCIDENTAL TO "REMOVE SIGN PANEL ASSEMBLY - TY A/B."



**LEGEND**

-  EXISTING SIGN
-  PROPOSED SIGN
-  SIGN REMOVAL
-  EXISTING SIGN LOCATION
-  PROPOSED SIGN LOCATION



USER NAME = hshh	DESIGNED - DTE	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - DRP	REVISED -
PLOT DATE = 8/21/2013	CHECKED - VJD	REVISED -
	DATE - 08/14/2013	REVISED -



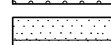
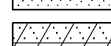

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SAUK TRAIL SIGNING PLANS  
STATION 378+50 TO STATION 387+00**

SCALE: 1" = 50'    SHEET NO. 3 OF 3 SHEETS    STA. 378+50 TO STA. 387+00

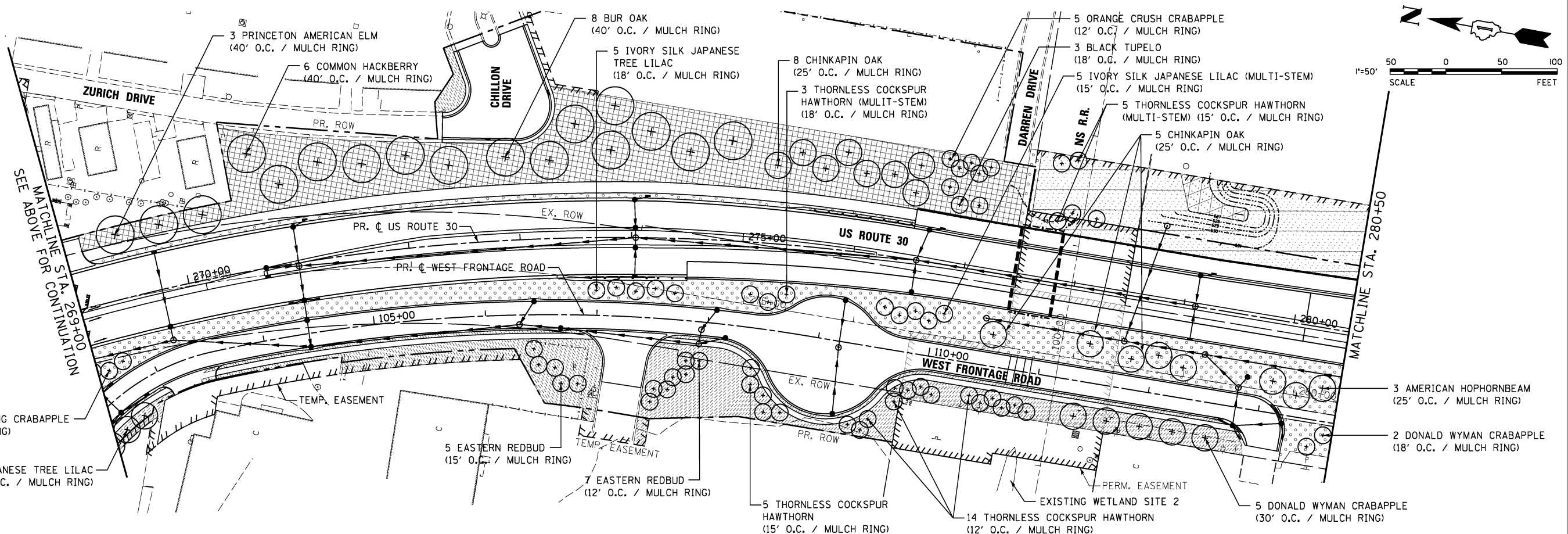
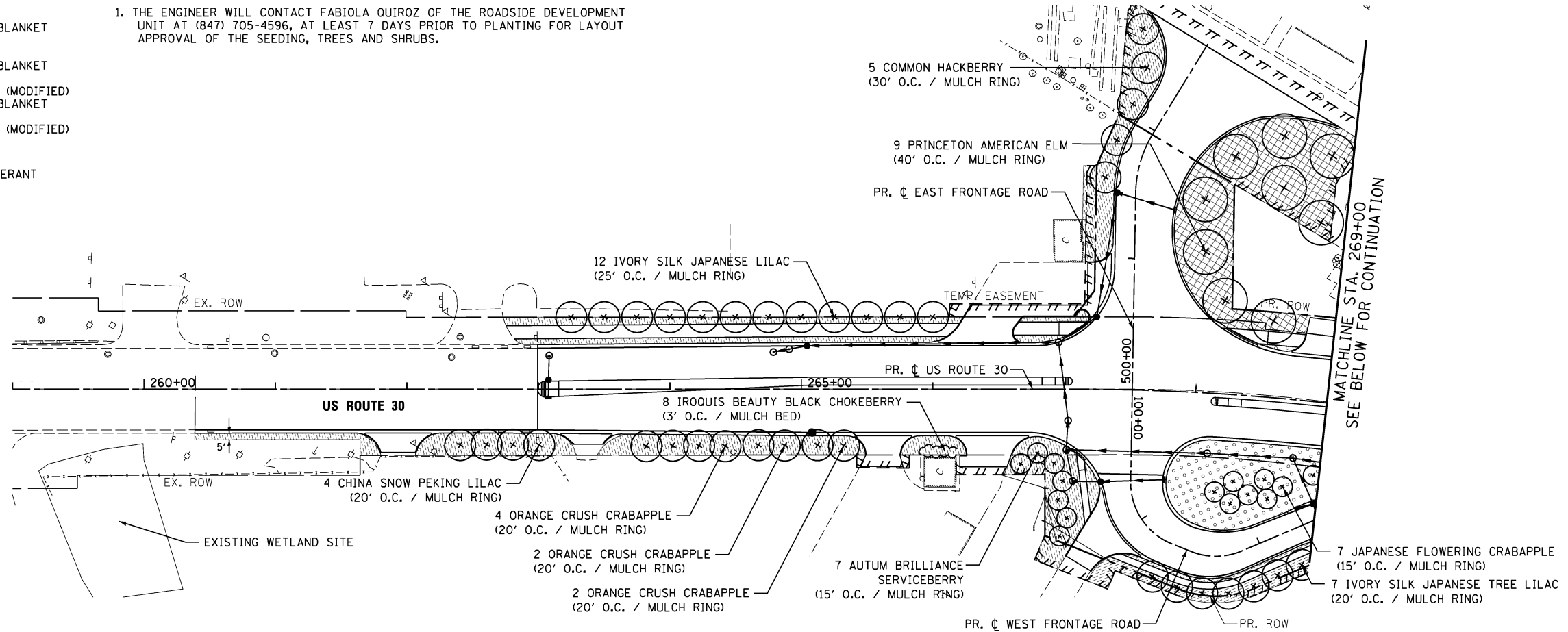
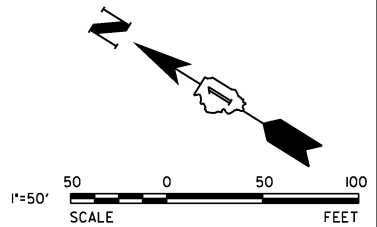
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	161
			CONTRACT NO. 60R19	
ILLINOIS FED. AID PROJECT				

**LEGEND**

-  SEEDING, CLASS 1A  
EROSION CONTROL BLANKET
-  SEEDING, CLASS 2A  
EROSION CONTROL BLANKET
-  SEEDING, CLASS 4A (MODIFIED)  
EROSION CONTROL BLANKET
-  SEEDING, CLASS 4B (MODIFIED)  
MULCH, METHOD 2
-  SODDING, SALT TOLERANT

**NOTES:**

1. THE ENGINEER WILL CONTACT FABIOLA QUIROZ OF THE ROADSIDE DEVELOPMENT UNIT AT (847) 705-4596, AT LEAST 7 DAYS PRIOR TO PLANTING FOR LAYOUT APPROVAL OF THE SEEDING, TREES AND SHRUBS.





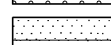
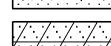

USER NAME = *USER*	DESIGNED - DTE	REVISED -
PLOT SCALE = *SCALE*	DRAWN - DRP	REVISED -
PLOT DATE = *DATE*	CHECKED - VJD	REVISED -
	DATE - 03/14/2014	REVISED -

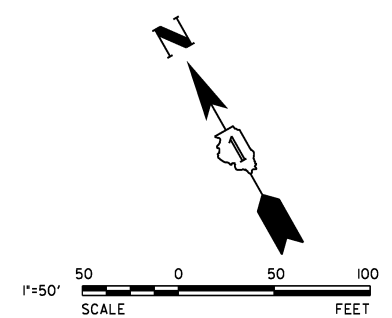
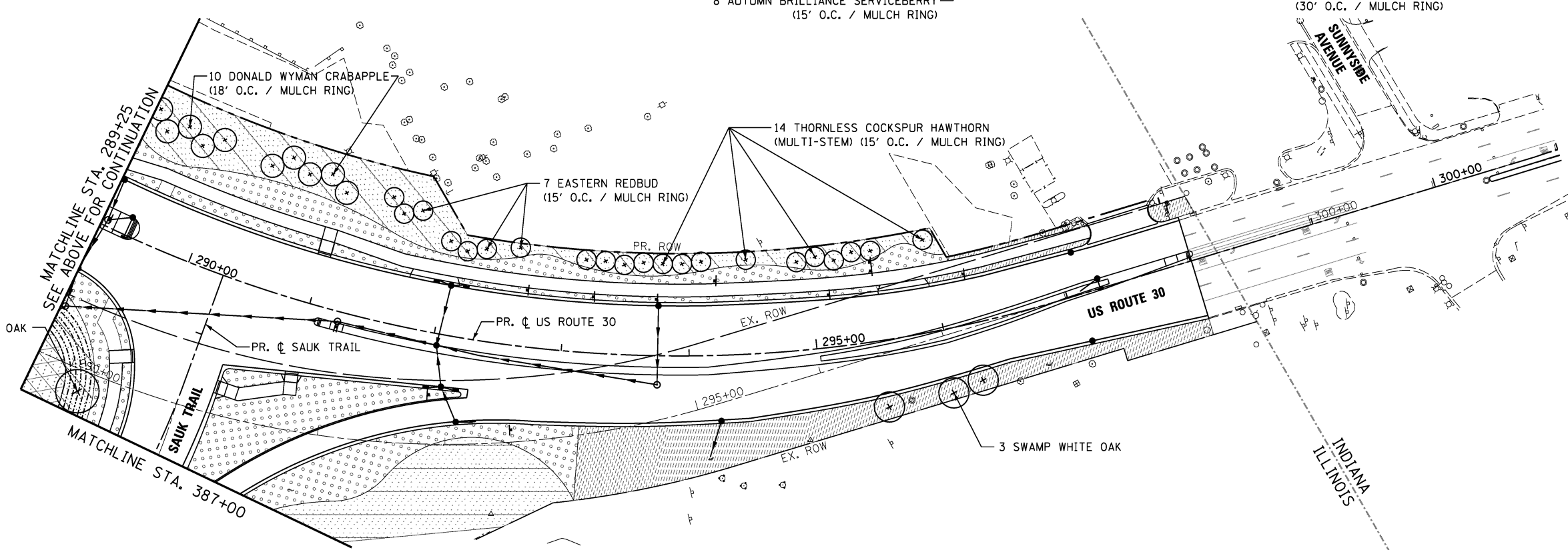
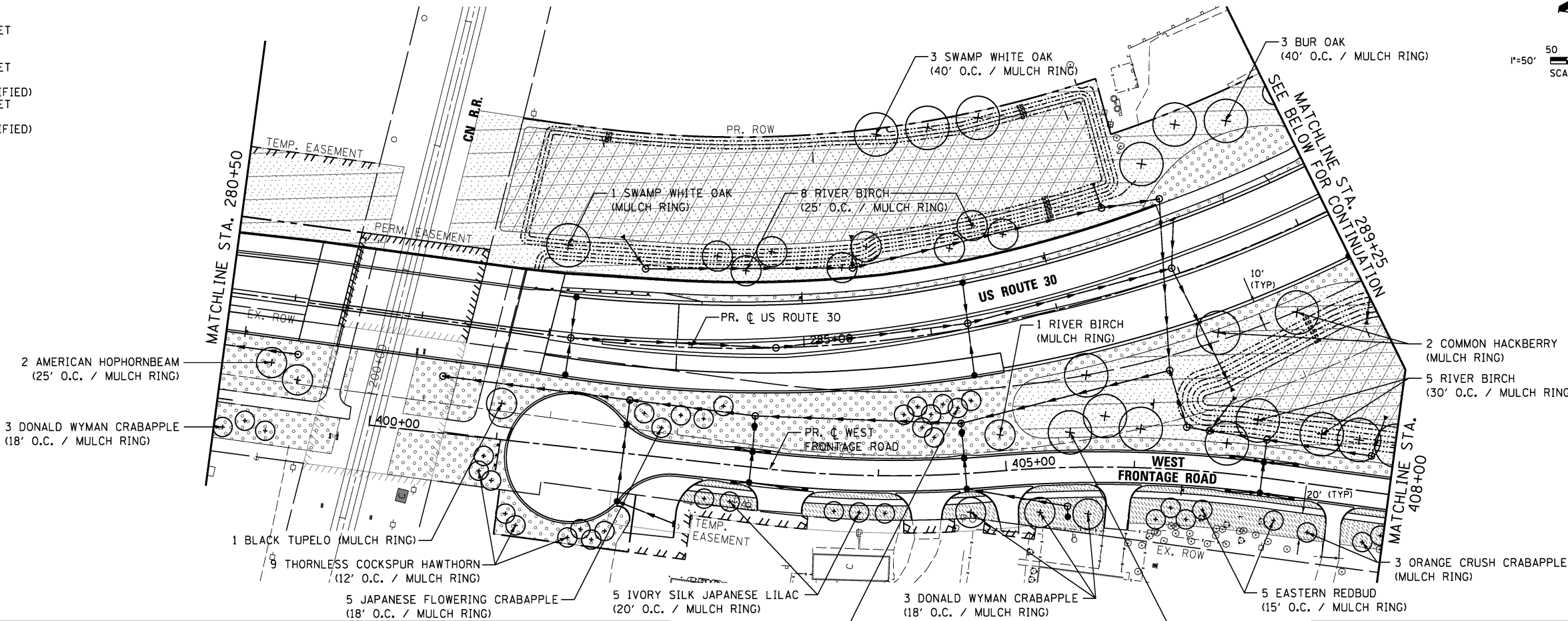
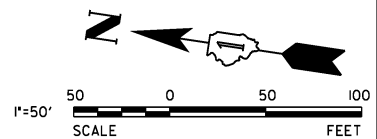
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>US ROUTE 30 LANDSCAPING PLANS STATION 259+00 TO STATION 280+50</b>		
SCALE: 1" = 50'	SHEET NO. 1 OF 3 SHEETS	STA. 259+00 TO STA. 280+50

F.A.P. RTE. 353	SECTION 11-Y-A	COUNTY COOK	TOTAL SHEETS 354	SHEET NO. 162
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				

**LEGEND**

-  SEEDING, CLASS 1A  
EROSION CONTROL BLANKET
-  SEEDING, CLASS 2A  
EROSION CONTROL BLANKET
-  SEEDING, CLASS 4A (MODIFIED)  
EROSION CONTROL BLANKET
-  SEEDING, CLASS 4B (MODIFIED)  
MULCH, METHOD 2
-  SODDING, SALT TOLERANT



**NOTES:**

1. THE ENGINEER WILL CONTACT FABIOLA QUIROZ OF THE ROADSIDE DEVELOPMENT UNIT AT (847) 705-4596, AT LEAST 7 DAYS PRIOR TO PLANTING FOR LAYOUT APPROVAL OF THE SEEDING, TREES AND SHRUBS.



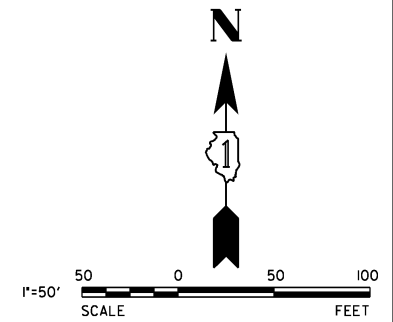
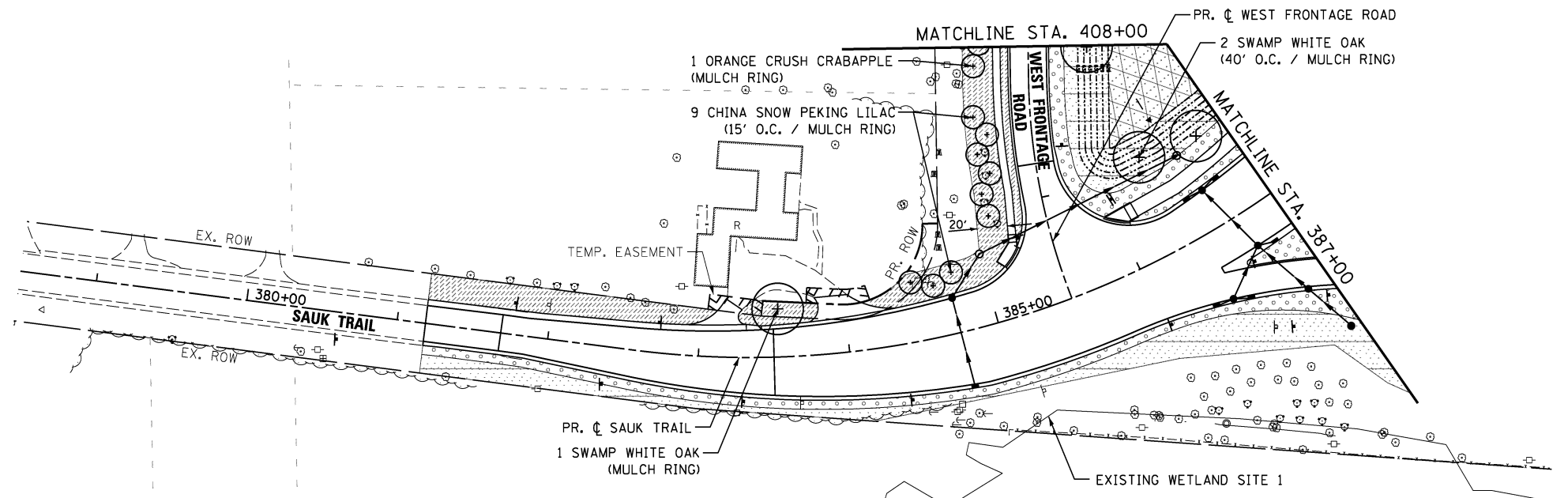
USER NAME = *USER*	DESIGNED - DTE	REVISED -
PLOT SCALE = *SCALE*	DRAWN - DRP	REVISED -
PLOT DATE = *DATE*	CHECKED - VJD	REVISED -
	DATE - 03/14/2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**US ROUTE 30 LANDSCAPING PLANS  
STATION 280+50 TO STATION 301+00**

SCALE: 1" = 50' SHEET NO. 2 OF 3 SHEETS STA. 280+50 TO STA. 301+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	163
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- SEEDING, CLASS 1A  
EROSION CONTROL BLANKET
- SEEDING, CLASS 2A  
EROSION CONTROL BLANKET
- SEEDING, CLASS 4A (MODIFIED)  
EROSION CONTROL BLANKET
- SEEDING, CLASS 4B (MODIFIED)  
MULCH, METHOD 2
- SODDING, SALT TOLERANT

**NOTES:**

1. THE ENGINEER WILL CONTACT FABIOLA QUIROZ OF THE ROADSIDE DEVELOPMENT UNIT AT (847) 705-4596, AT LEAST 7 DAYS PRIOR TO PLANTING FOR LAYOUT APPROVAL OF THE SEEDING, TREES AND SHRUBS.



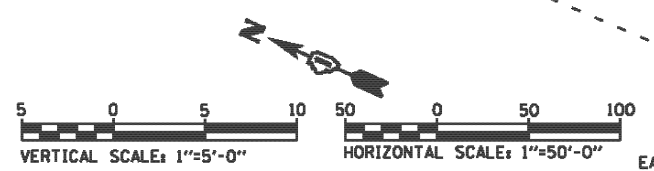
USER NAME = \$USER*	DESIGNED - DTE	REVISED -
PLOT SCALE = \$SCALE*	DRAWN - DRP	REVISED -
PLOT DATE = \$DATE*	CHECKED - VJD	REVISED -
	DATE - 03/14/2014	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SAUK TRAIL LANDSCAPING PLANS  
STATION 378+50+00 TO STATION 387+00**

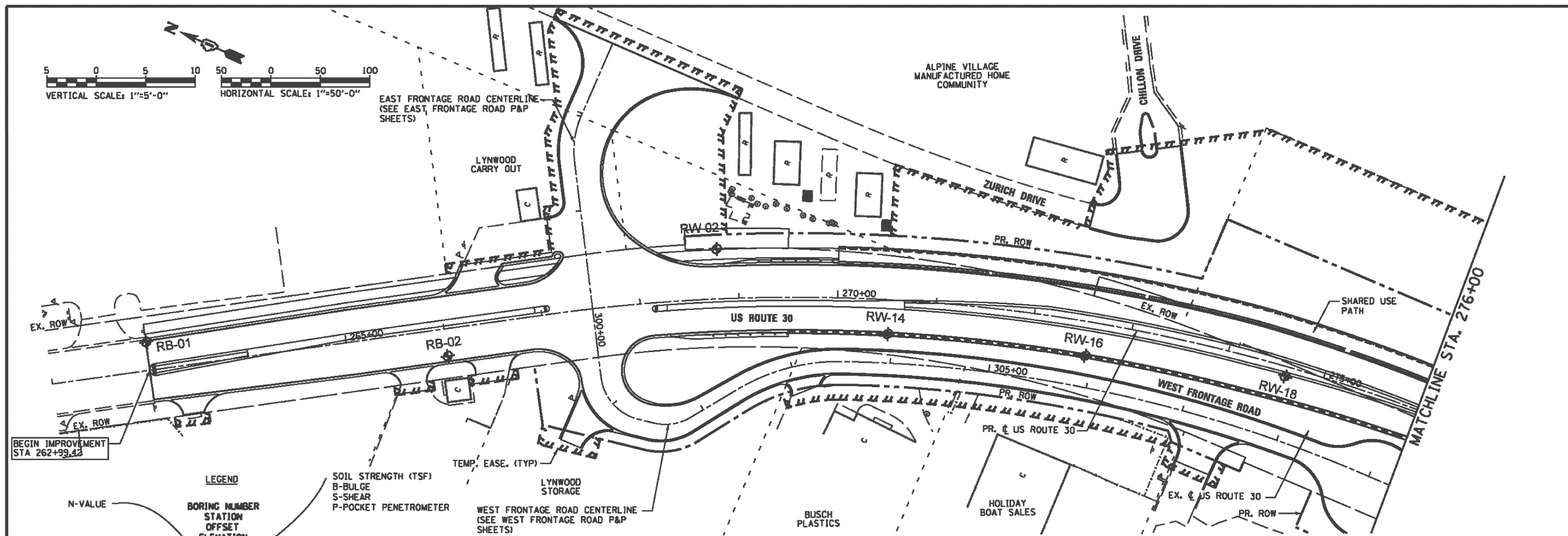
SCALE: 1" = 50'    SHEET NO. 3 OF 3 SHEETS    STA. 378+50 TO STA. 387+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	164
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				



DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	

DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	



**LEGEND**

**BORING NUMBER**  
**STATION**  
**OFFSET**  
**ELEVATION**

**N-VALUE**

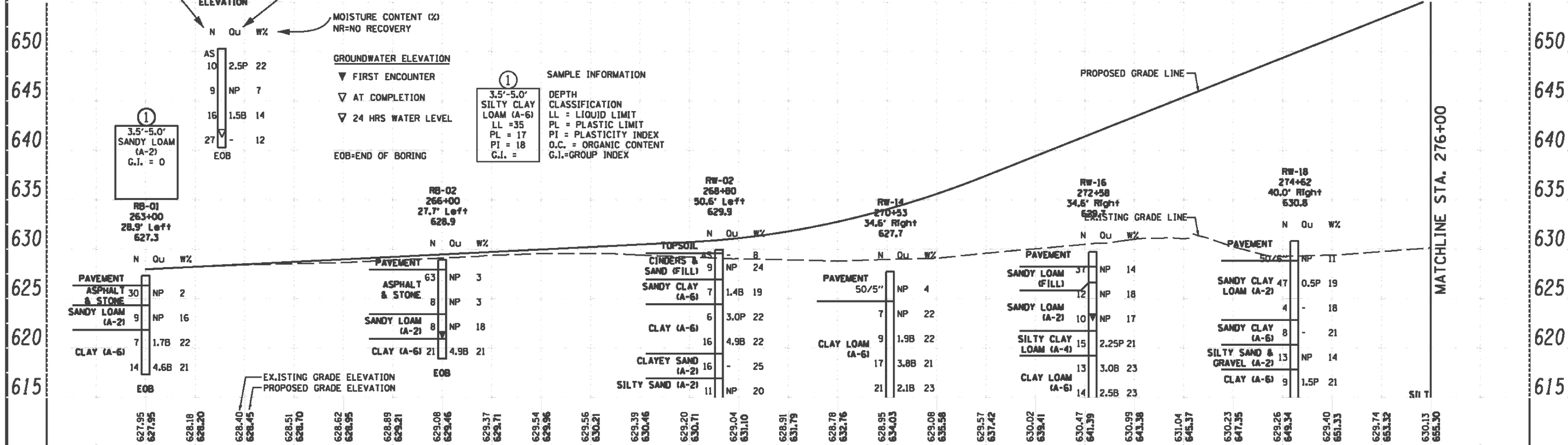
**SOIL STRENGTH (TSF)**  
 B-BULGE  
 S-SHEAR  
 P-POCKET PENETROMETER

**MOISTURE CONTENT (%)**  
 NR-NO RECOVERY

**GROUNDWATER ELEVATION**  
 ▼ FIRST ENCOUNTER  
 ▼ AT COMPLETION  
 ▼ 24 HRS WATER LEVEL

**EOB-END OF BORING**

**SAMPLE INFORMATION**  
 ① 3.5'-5.0' SILTY CLAY LOAM (A-6)  
 LL = 35  
 PL = 17  
 PI = 18  
 G.I. =



263+00	264+00	265+00	266+00	267+00	268+00	269+00	270+00	271+00	272+00	273+00	274+00	275+00	276+00
627.95	627.95	628.18	628.20	628.40	628.45	628.51	628.70	628.62	628.95	628.89	629.21	629.08	629.46
629.37	629.71	629.54	629.96	629.56	630.21	629.39	630.46	629.20	630.71	629.04	631.10	628.91	631.79
628.78	632.76	628.95	634.03	629.08	635.58	629.57	637.42	630.02	639.41	630.47	641.39	630.99	643.38
631.04	645.37	630.23	647.35	629.26	649.34	629.40	651.33	629.74	653.32	630.13	655.30		

Geo. Services, Inc.  
 Geotechnical, Environmental & Civil Engineering  
 805 Ashmore Court, Suite 204  
 Naperville, Illinois 60563  
 (630) 359-2600

USER NAME	DESIGNED - RWC	REVISED -
DATE	7/23/2012	REVISED -
DRAWN - RWC	CHECKED - AJP	REVISED -
REVISION	DATE	REVISED

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

US ROUTE 30 SOIL BORING PLAN AND PROFILE  
 STATION 262+00 TO STATION 276+00

SCALE: 1"=50'H 1"=5'V SHEET NO. 1 OF 6 SHEETS STA. 262+00 TO STA. 276+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	165
CONTRACT NO. 60R19			ILLINOIS FED. AID PROJECT	

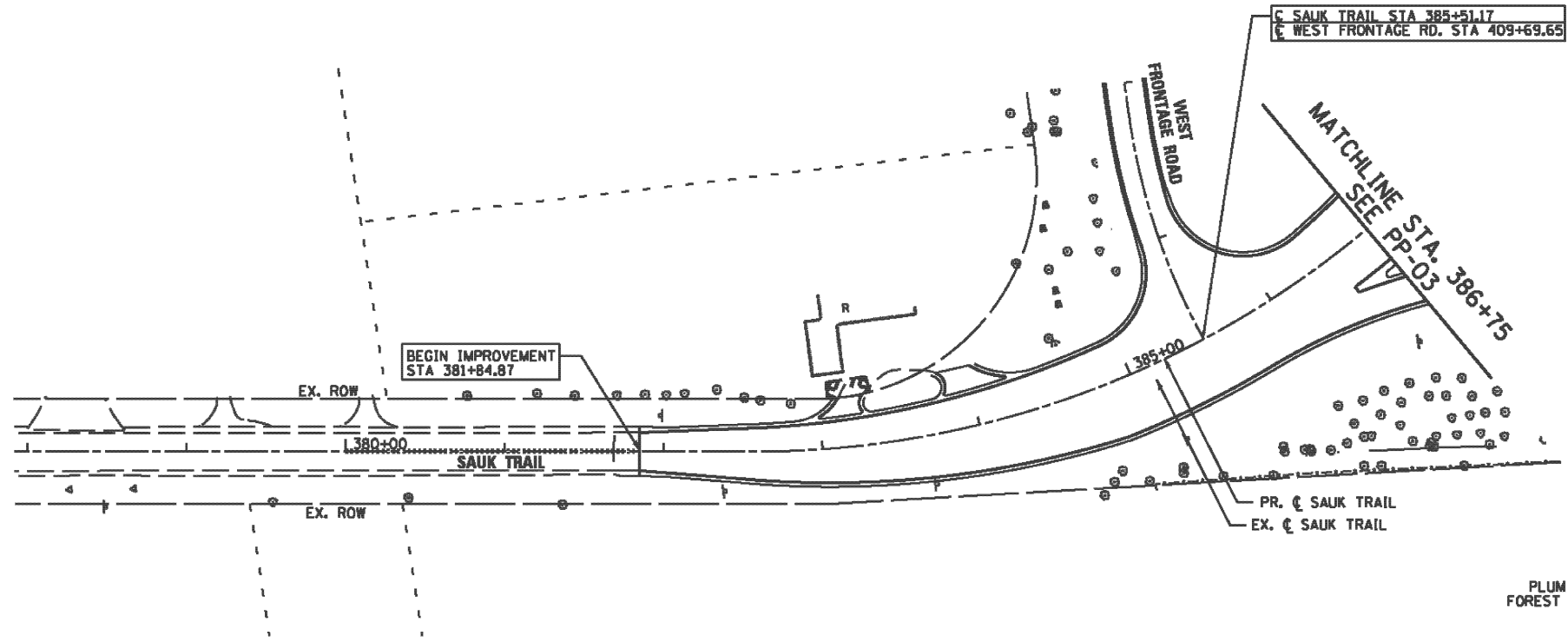




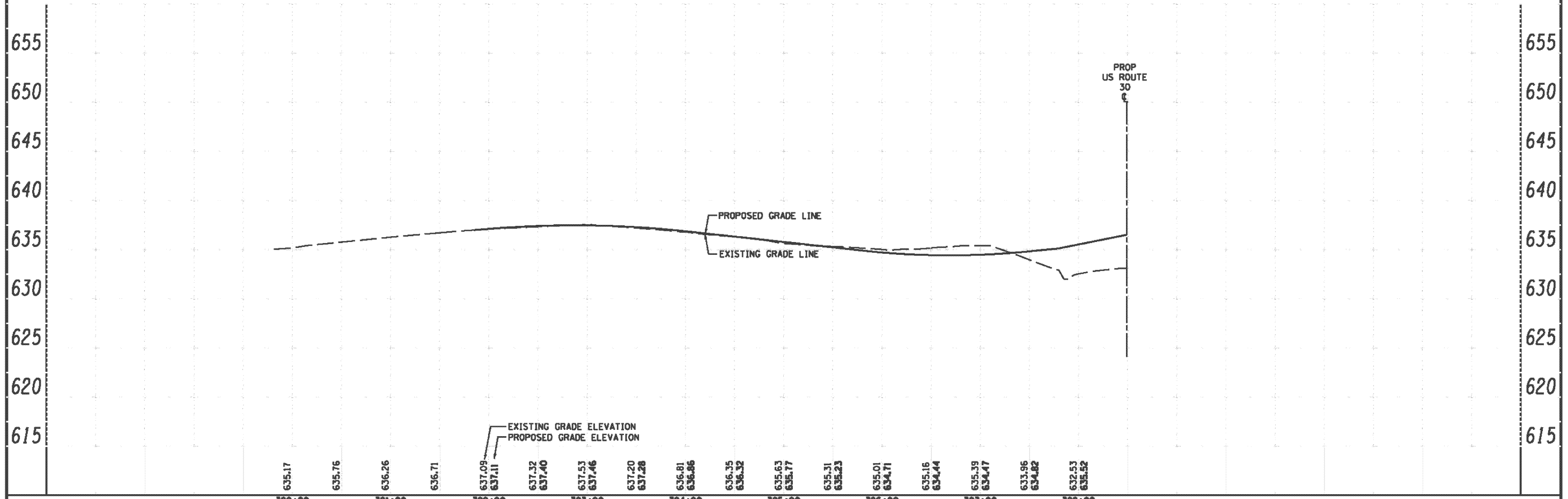


DATE	
BY	
REVISION	
PLANNED	
DESIGNED	
DRAWN	
CHECKED	
IN CHARGE	
NOTE BOOK NO.	
FILE NAME	

DATE	
BY	
REVISION	
PLANNED	
DESIGNED	
DRAWN	
CHECKED	
IN CHARGE	
NOTE BOOK NO.	
FILE NAME	



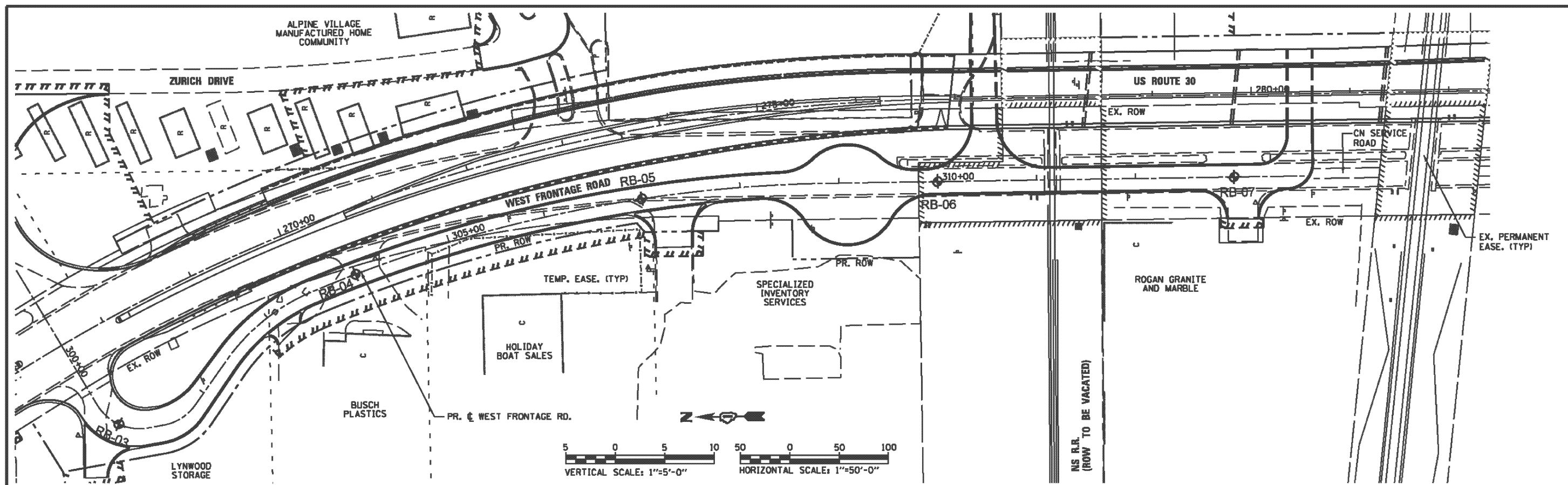
PLUM CREEK FOREST PRESERVE



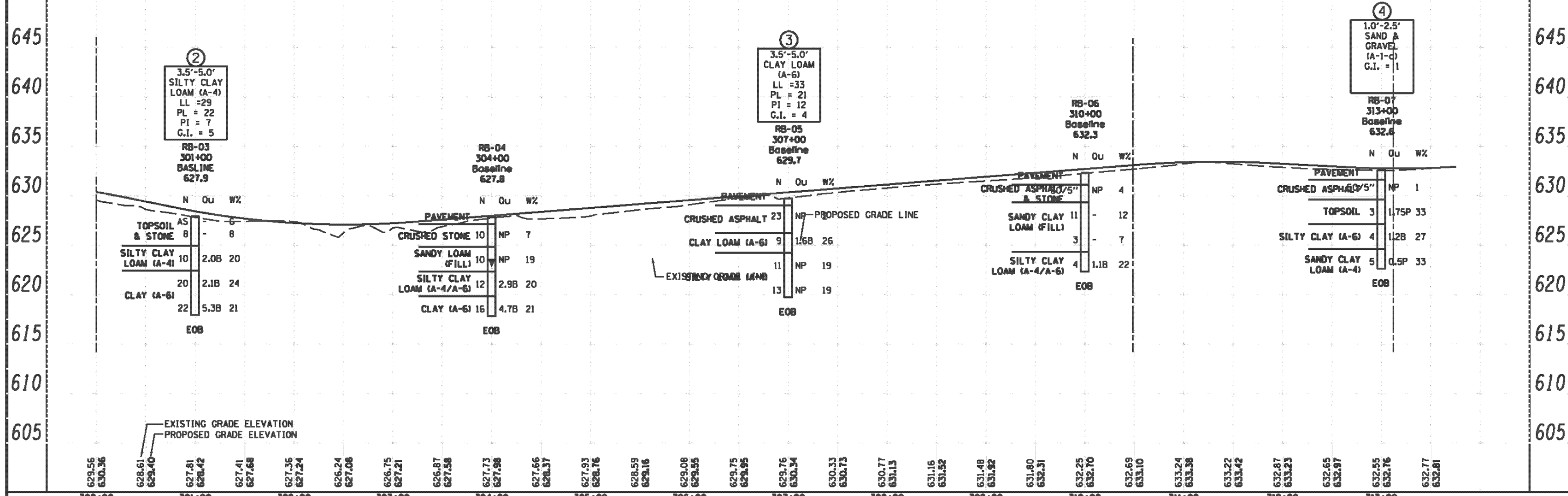
Station	Existing Grade Elevation	Proposed Grade Elevation
380+00	635.17	635.76
381+00	636.26	636.71
382+00	637.09	637.41
383+00	637.32	637.40
384+00	637.53	637.46
385+00	637.20	637.28
386+00	636.81	636.86
387+00	636.35	636.32
388+00	635.63	635.77
389+00	635.31	635.23
390+00	635.01	634.71
391+00	635.16	634.44
392+00	635.39	634.47
393+00	633.96	634.82
394+00	632.53	635.52

<b>Geo. Services, Inc.</b> Geotechnical, Environmental & Civil Engineering 805 Ashmore Court, Suite 204 Naperville, Illinois 60563 (630) 355-2500	USER NAME	DESIGNED - RWC	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SAUK TRAIL SOIL BORING PLAN AND PROFILE</b> <b>STATION 380+00 TO STATION 386+75</b>		F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE	CHECKED - AJP	REVISED -		353	11-Y-A	COOK	354	168	CONTRACT NO. 60R19	
	PLOT DATE	DATE - 7/23/2012	REVISED -		SCALE: 1"=50'H 1"=5'V	SHEET NO. 4 OF 6 SHEETS	STA. 380+00 TO STA. 387+00	ILLINOIS FED. AID PROJECT			

DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	



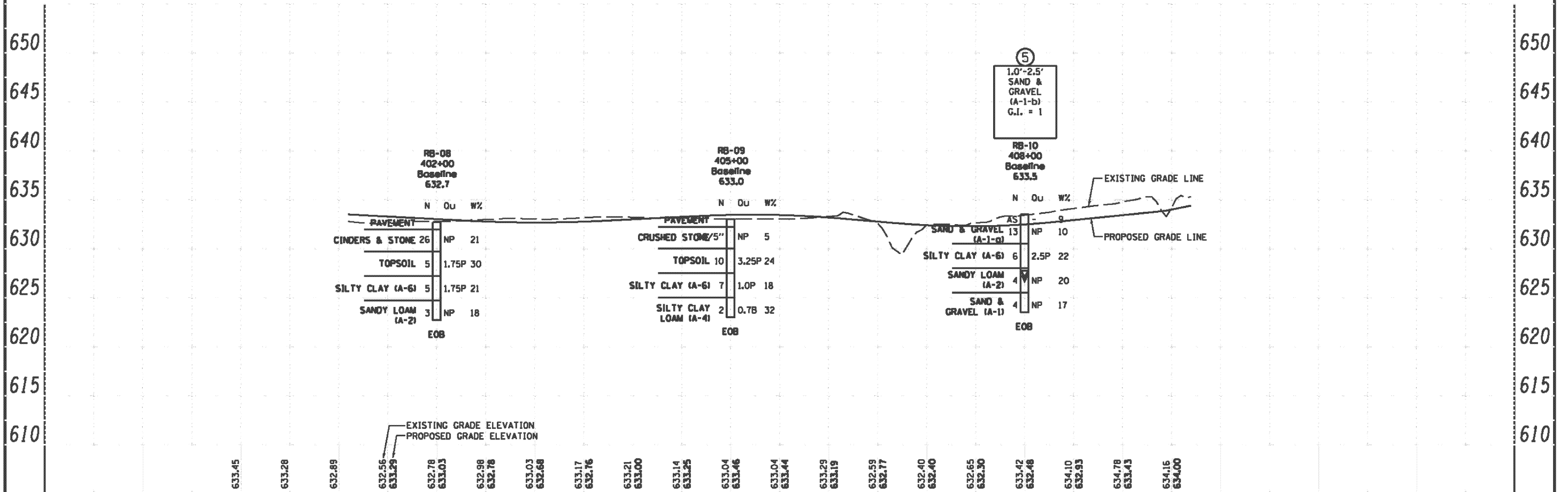
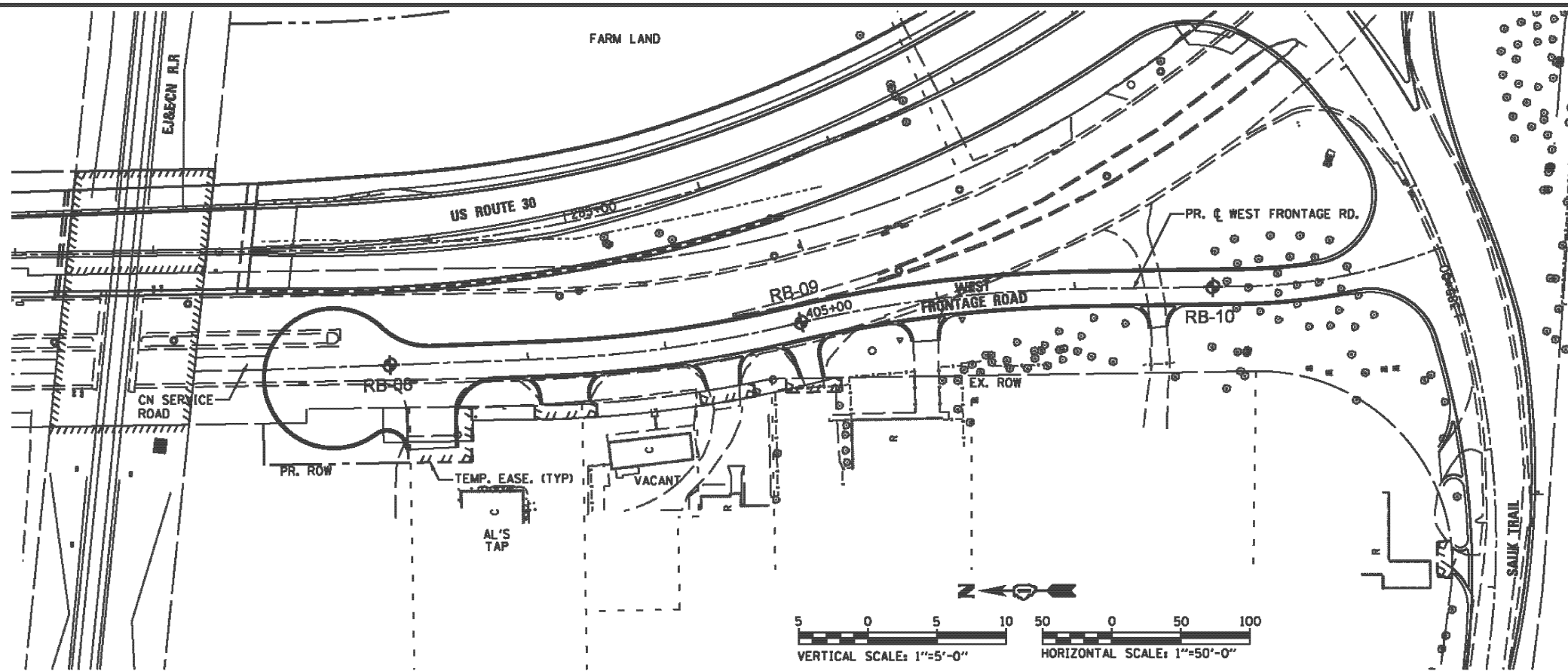
DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	



Geo. Services, Inc. Geotechnical, Environmental & Civil Engineering 805 Ashmore Court, Suite 204 Naperville, Illinois 60563 (630) 887-2600	DESIGNED - RWC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WEST FRONTAGE ROAD SOIL BORING PLAN AND PROFILE		F.A.J. RTE. 353	SECTION 11-Y-A	COUNTY COOK TOTAL SHEETS 354 SHEET NO. 169 CONTRACT NO. 60R19
	DRAWN - RWC	REVISED -		STATION 300+00 TO STATION 313+24				
	CHECKED - AJP	REVISED -		SCALE: 1"=50'H 1"=5'V	SHEET NO. OF SHEETS			
	DATE - 7/23/2012	REVISED -		ILLINOIS FED. AID PROJECT				

DATE	
BY	
REVISION	
NO. OF REV. CHECKED	
NO. OF REV. CHECKED	
FILE NAME	

DATE	
BY	
REVISION	
NO. OF REV. CHECKED	
NO. OF REV. CHECKED	
FILE NAME	



RB-08 402+00 Baseline 632.7			RB-09 405+00 Baseline 633.0			RB-10 408+00 Baseline 633.5		
	N	QU	WZ		N	QU	WZ	
PAVEMENT				PAVEMENT				AS
CINDERS & STONE 26	NP	21		CRUSHED STONE/5"	NP	5		SAND & GRAVEL (A-1-a) 13
TOPSOIL 5	1.75P	30		TOPSOIL 10	3.25P	24		SILTY CLAY (A-6) 6
SILTY CLAY (A-6) 5	1.75P	21		SILTY CLAY (A-6) 7	1.0P	18		SANDY LOAM (A-2) 4
SANDY LOAM (A-2) 3	NP	18		SILTY CLAY LOAM (A-4) 2	0.7B	32		SAND & GRAVEL (A-1) 4
EOB				EOB				EOB

633.45	633.28	632.89	632.56	633.29	632.78	633.03	632.98	632.78	633.03	632.68	633.17	632.76	633.21	633.00	633.14	633.25	633.04	633.46	633.04	633.44	633.29	633.19	632.59	632.77	632.40	632.40	632.65	632.30	633.42	632.46	634.10	632.93	634.78	633.43	634.16	634.00	
400+00	401+00	402+00	403+00	404+00	405+00	406+00	407+00	408+00	409+00																												

Geo. Services, Inc.  
Geotechnical, Environmental & Civil Engineering  
805 Ashmore Court, Suite 204  
Naperville, Illinois 60563  
630-251-2500

USER NAME	DESIGNED - RWC	REVISED -
	DRAWN - RWC	REVISED -
	CHECKED - AJP	REVISED -
	DATE - 7/23/2012	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

WEST FRONTAGE ROAD SOIL BORING PLAN AND PROFILE  
STATION 401+10 TO STATION 409+70  
SCALE: 1"=50'H 1"=5'V SHEET NO. OF SHEETS STA. 401+10 TO STA. 409+70

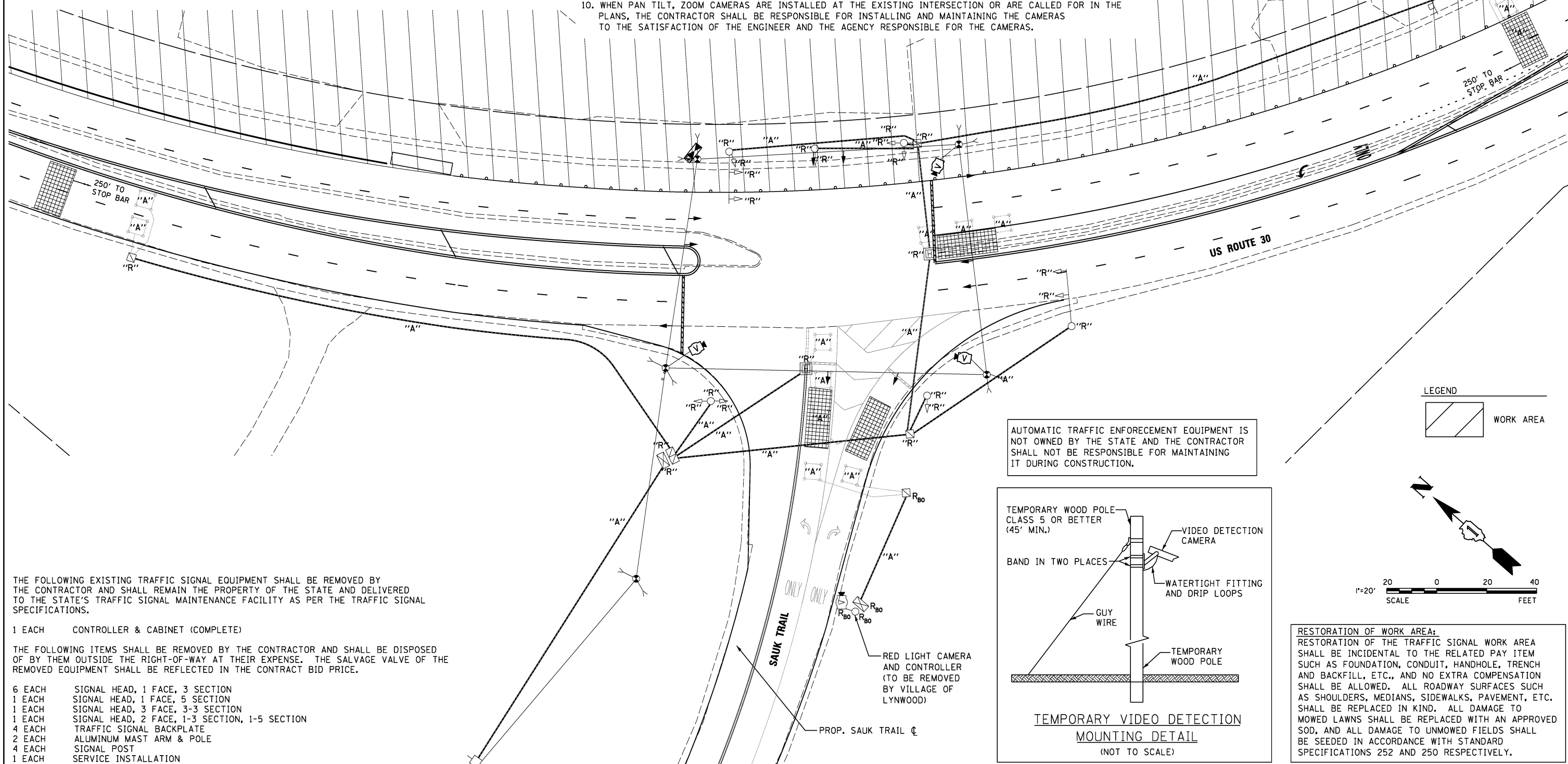
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	170
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				

**NOTES FOR TEMPORARY TRAFFIC SIGNALS**

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.

**NOTES FOR TEMPORARY TRAFFIC SIGNALS**

6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PREEMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.



THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE STATE AND DELIVERED TO THE STATE'S TRAFFIC SIGNAL MAINTENANCE FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

1 EACH CONTROLLER & CABINET (COMPLETE)

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

- 6 EACH SIGNAL HEAD, 1 FACE, 3 SECTION
- 1 EACH SIGNAL HEAD, 1 FACE, 5 SECTION
- 1 EACH SIGNAL HEAD, 3 FACE, 3-3 SECTION
- 1 EACH SIGNAL HEAD, 2 FACE, 1-3 SECTION, 1-5 SECTION
- 4 EACH TRAFFIC SIGNAL BACKPLATE
- 2 EACH ALUMINUM MAST ARM & POLE
- 4 EACH SIGNAL POST
- 1 EACH SERVICE INSTALLATION



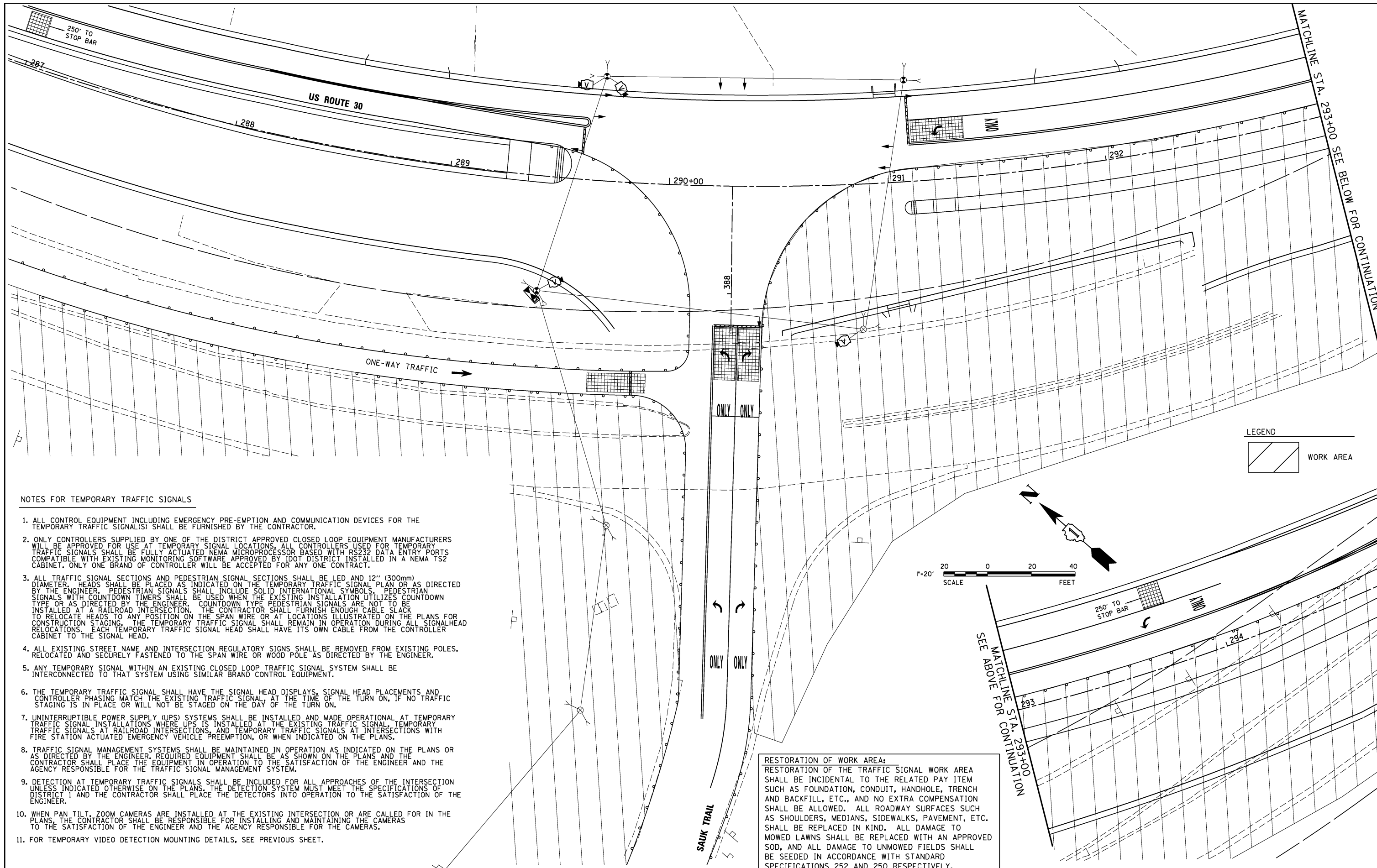
USER NAME = hshh	DESIGNED - DTE	REVISED -
PLOT SCALE = 20.0000' / 1"	DRAWN - DRP	REVISED -
PLOT DATE = 8/21/2013	CHECKED - VJD	REVISED -
	DATE - 08/14/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**US ROUTE 30 AT SAUK TRAIL  
TEMPORARY TRAFFIC SIGNAL INSTALLATION AND  
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN - STAGES 1 & 2**

SCALE: 1" = 20' SHEET NO. 1 OF 8 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	171
				CONTRACT NO. 60R19
ILLINOIS FED. AID PROJECT				

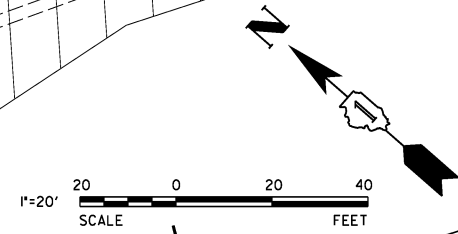


**NOTES FOR TEMPORARY TRAFFIC SIGNALS**

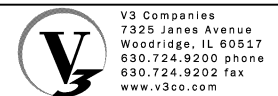
1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNALHEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL. TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PREEMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.
11. FOR TEMPORARY VIDEO DETECTION MOUNTING DETAILS, SEE PREVIOUS SHEET.

**LEGEND**

WORK AREA



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



V3 Companies  
 7325 Janes Avenue  
 Woodridge, IL 60517  
 630.724.9200 phone  
 630.724.9202 fax  
 www.v3co.com

USER NAME = hshsh  
 DESIGNED - DTE  
 DRAWN - DRP  
 CHECKED - VJD  
 DATE - 08/14/2013

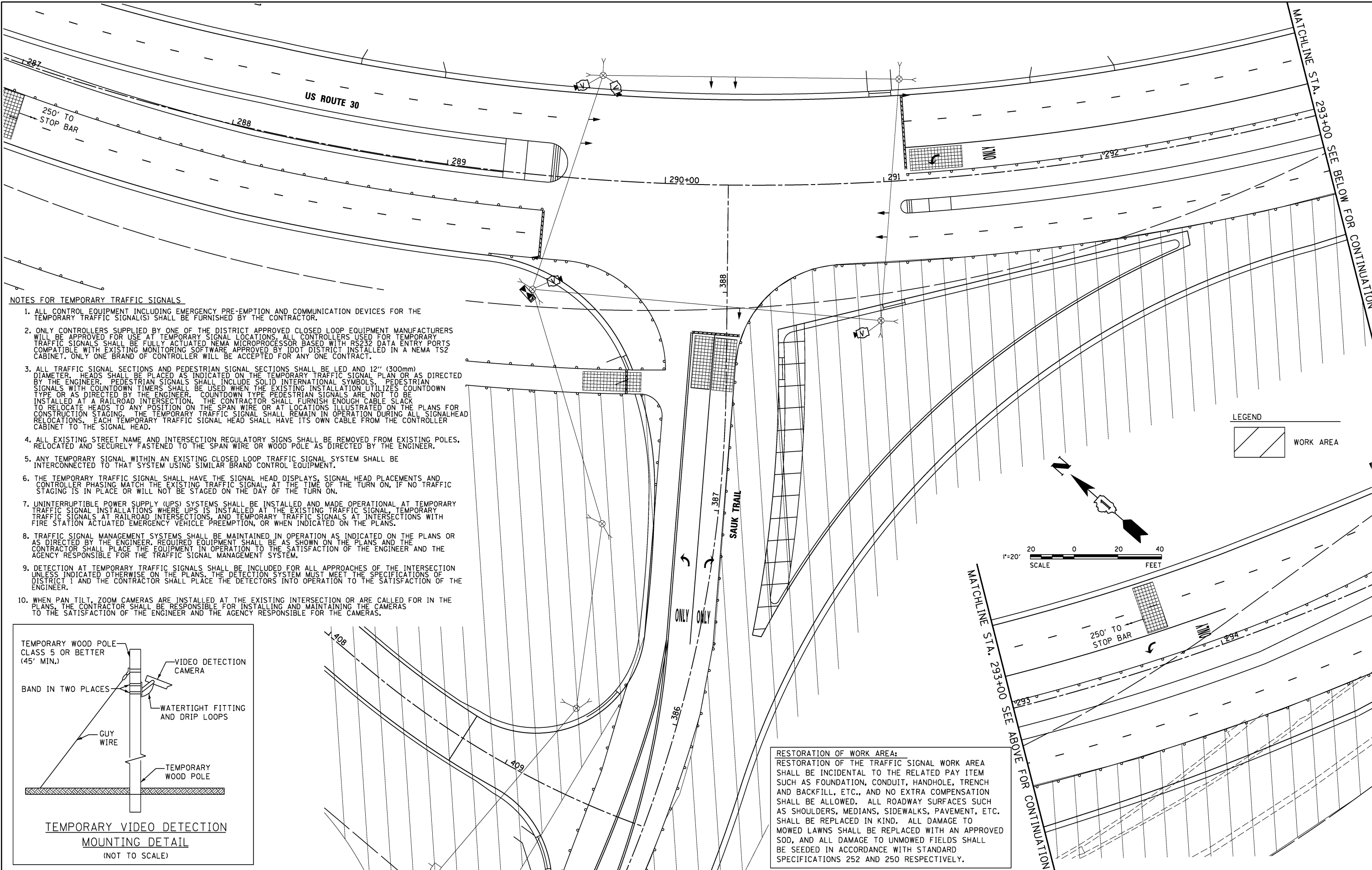
REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**US ROUTE 30 AT SAUK TRAIL  
 TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN - STAGE 3**

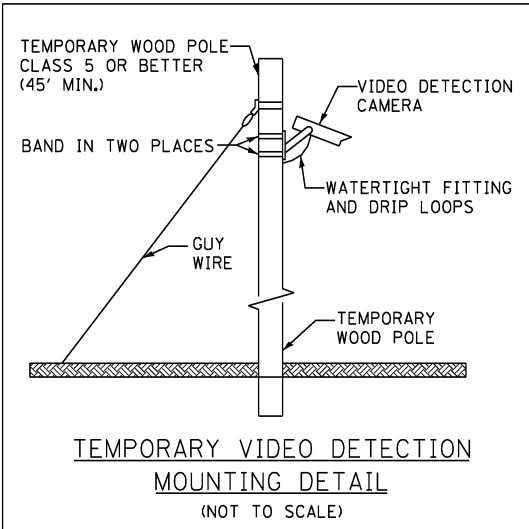
SCALE: 1" = 20' SHEET NO. 2 OF 8 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	172
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				

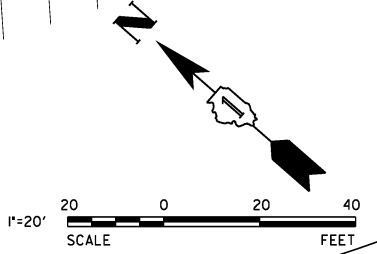
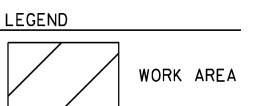


**NOTES FOR TEMPORARY TRAFFIC SIGNALS**

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNALHEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL. TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PREEMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.



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



V3 Companies  
 7325 Janes Avenue  
 Woodridge, IL 60517  
 630.724.9200 phone  
 630.724.9202 fax  
 www.v3co.com

USER NAME = hshsh  
 PLOT SCALE = 20.0000' / 1"  
 PLOT DATE = 8/21/2013

DESIGNED - DTE  
 DRAWN - DRP  
 CHECKED - VJD  
 DATE - 08/14/2013

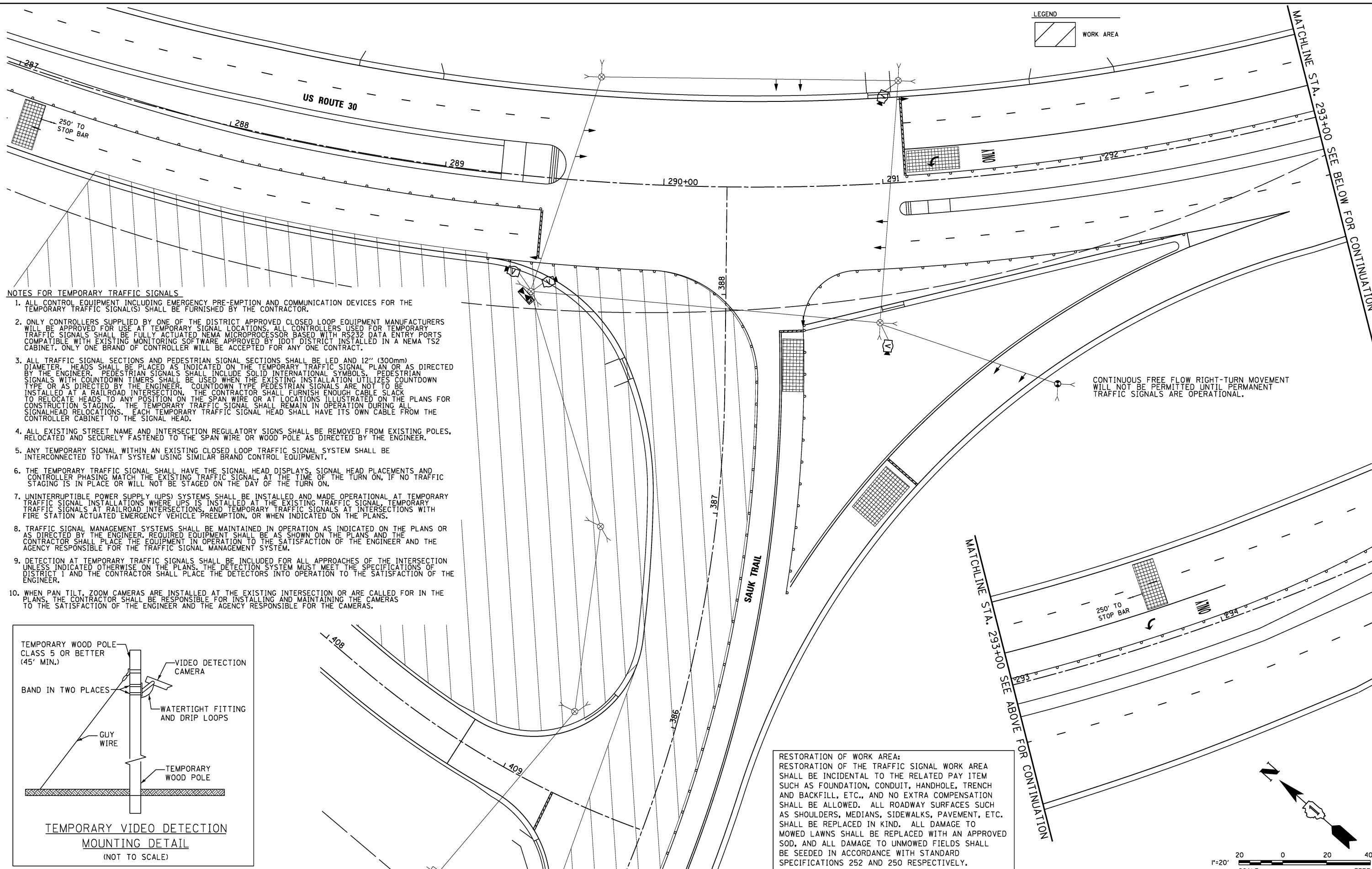
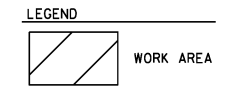
REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**US ROUTE 30 AT SAUK TRAIL  
 TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN - STAGE 4a**

SCALE: 1" = 20' SHEET NO. 3 OF 8 SHEETS

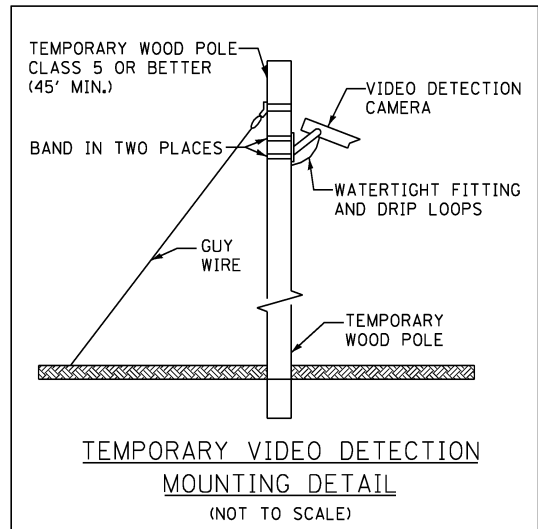
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	173
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				



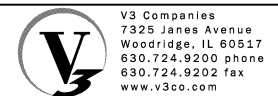
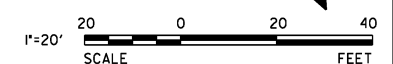
**NOTES FOR TEMPORARY TRAFFIC SIGNALS**

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNALHEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL. TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PREEMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

CONTINUOUS FREE FLOW RIGHT-TURN MOVEMENT WILL NOT BE PERMITTED UNTIL PERMANENT TRAFFIC SIGNALS ARE OPERATIONAL.



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



V3 Companies  
 7325 Janes Avenue  
 Woodridge, IL 60517  
 630.724.9200 phone  
 630.724.9202 fax  
 www.v3co.com

USER NAME = hshsh  
 DESIGNED - DTE  
 DRAWN - DRP  
 CHECKED - VJD  
 DATE - 08/14/2013

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

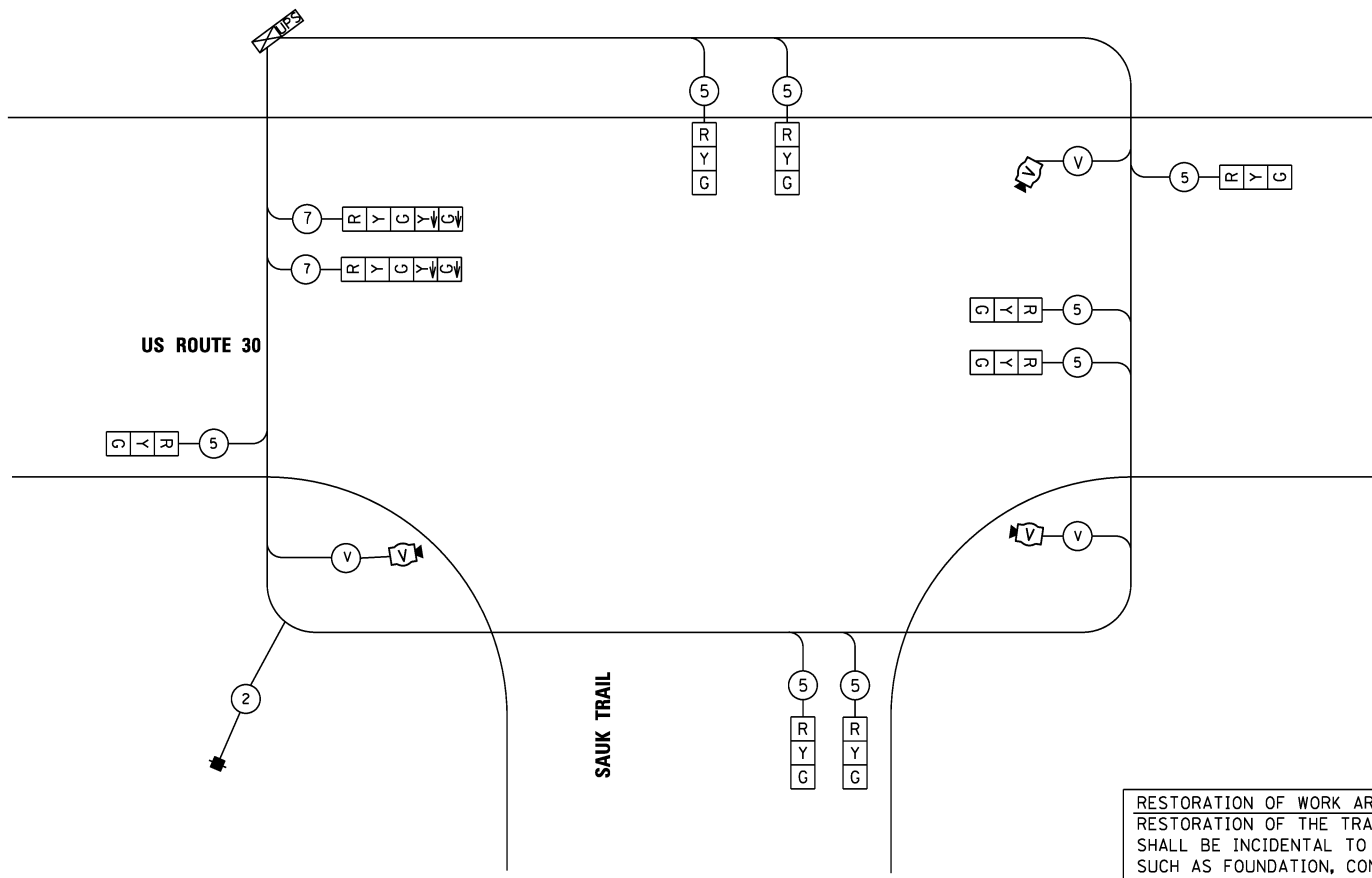
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**US ROUTE 30 AT SAUK TRAIL  
 TEMPORARY TRAFFIC SIGNAL INSTALLATION - STAGE 4b**

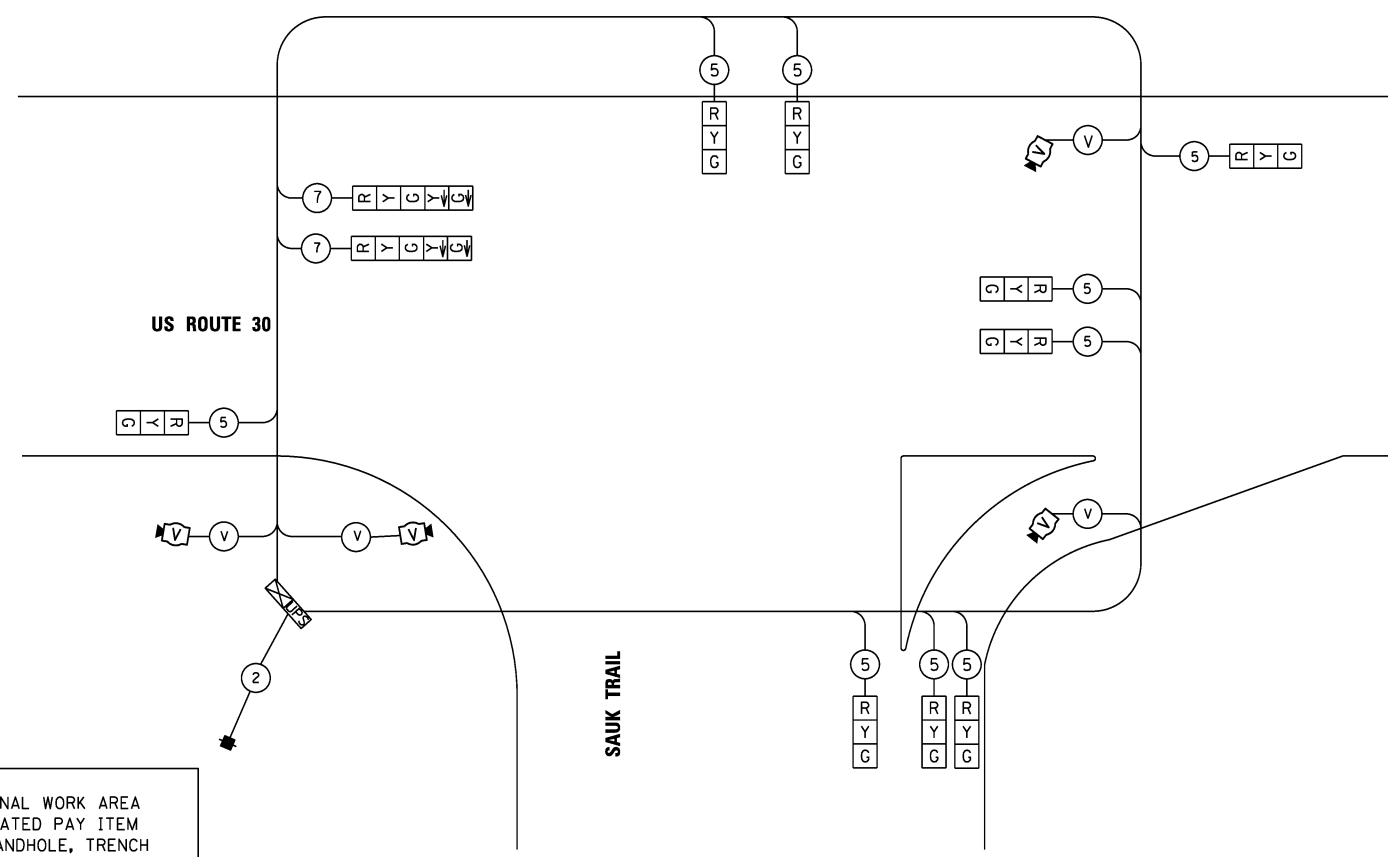
SCALE: 1" = 20' SHEET NO. 4 OF 8 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	174
CONTRACT NO. 60R19				

ILLINOIS FED. AID PROJECT

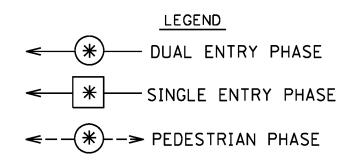
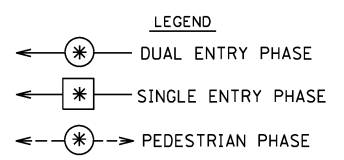


CABLE PLAN - STAGES 1 & 2

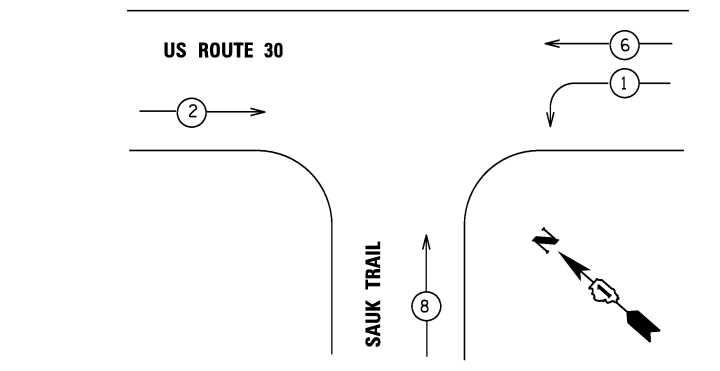


CABLE PLAN - STAGE 4B

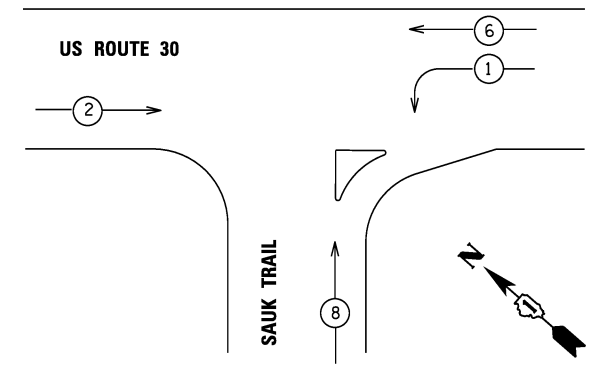
**RESTORATION OF WORK AREA:**  
 RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT,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



TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS STAGES 1 & 2					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE (INCAND.)	LED	% OPERATION	
SIGNAL (RED)	10	17		0.50	85.00
(YELLOW)	10	25		0.25	62.5
(GREEN)	10	15		0.25	37.5
ARROW	4	12		0.10	4.80
PED. SIGNAL		25		1.00	
CONTROLLER	1	100		1.00	100.00
ILLUM. SIGN				0.05	
VIDEO DETECTION	1	150		1.00	150.00
FLASHER				0.50	
ENERGY COSTS TO: IDOT DIVISION OF HIGHWAYS TOTAL =					439.8
DISTRICT I 201 W. CENTER COURT SCHAUMBURG, IL 60196					
ENERGY SUPPLY CONTACT: GARRY ZACK PHONE: 630-437-3182 COMPANY: COMED					

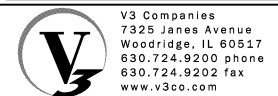


TEMPORARY PHASE DESIGNATION DIAGRAM - STAGES 1 & 2



TEMPORARY PHASE DESIGNATION DIAGRAM - STAGES 4B

TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS STAGE 4B					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE (INCAND.)	LED	% OPERATION	
SIGNAL (RED)	11	17		0.50	93.50
(YELLOW)	11	25		0.25	68.75
(GREEN)	11	15		0.25	41.25
ARROW	4	12		0.10	4.80
PED. SIGNAL		25		1.00	
CONTROLLER	1	100		1.00	100.00
ILLUM. SIGN				0.05	
VIDEO DETECTION	1	150		1.00	150.00
FLASHER				0.50	
ENERGY COSTS TO: IDOT DIVISION OF HIGHWAYS TOTAL =					458.30
DISTRICT I 201 W. CENTER COURT SCHAUMBURG, IL 60196					
ENERGY SUPPLY CONTACT: GARRY ZACK PHONE: 630-437-3182 COMPANY: COMED					



V3 Companies  
 7325 Janes Avenue  
 Woodridge, IL 60517  
 630.724.9200 phone  
 630.724.9202 fax  
 www.v3co.com

USER NAME = hshh  
 DESIGNED - DTE  
 DRAWN - DRP  
 CHECKED - VJD  
 DATE - 08/14/2013

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

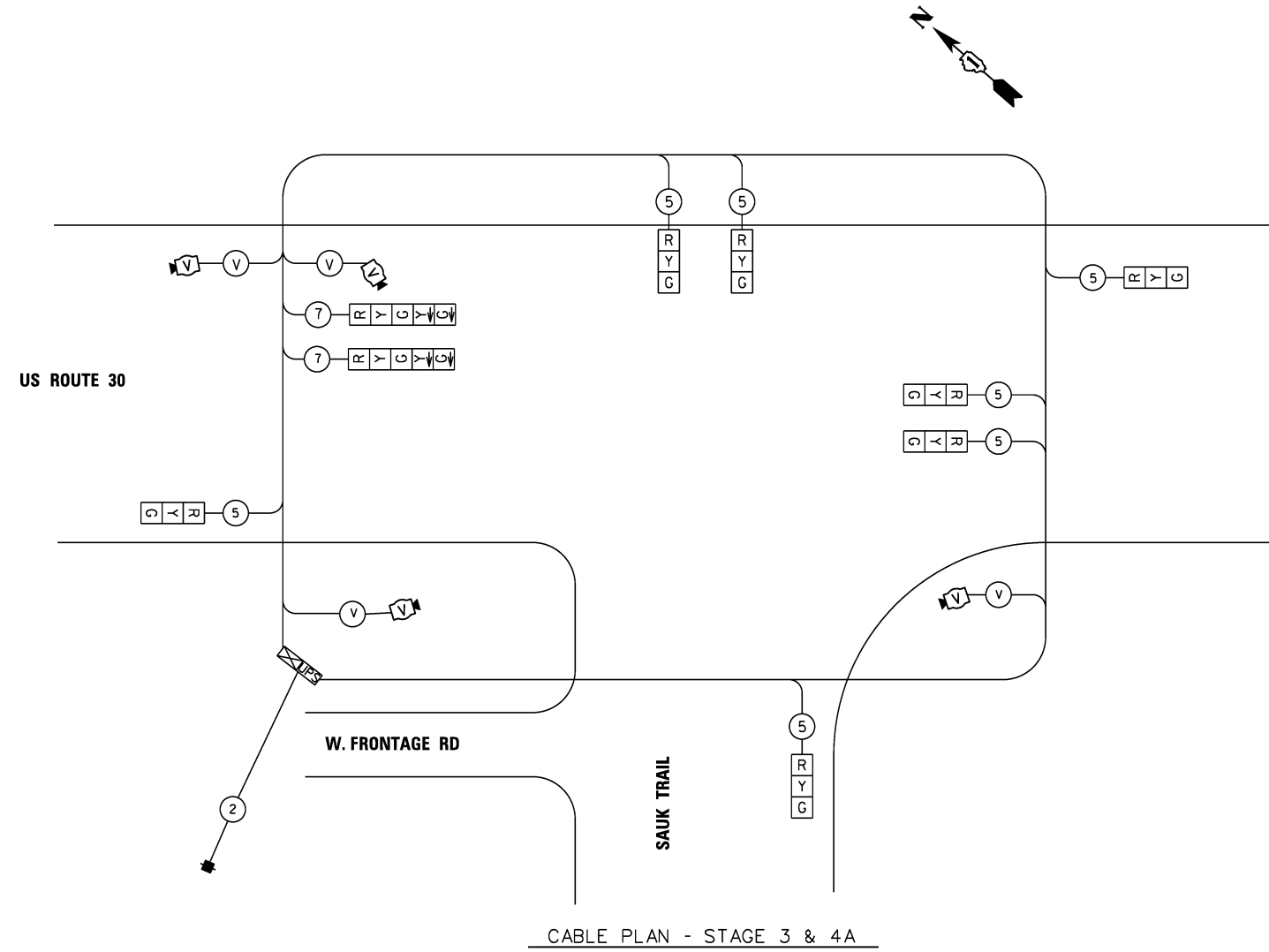
US ROUTE 30 AT SAUK TRAIL  
 TEMPORARY CABLE PLAN AND TEMPORARY PHASE  
 DESIGNATION DIAGRAM - STAGES 1, 2 & 4b

SCALE: N.T.S. SHEET NO. 5 OF 8 SHEETS

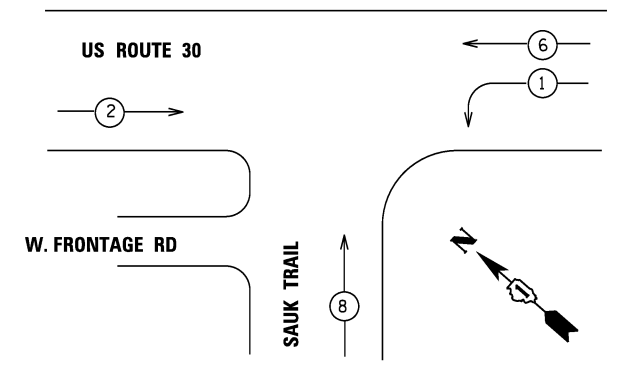
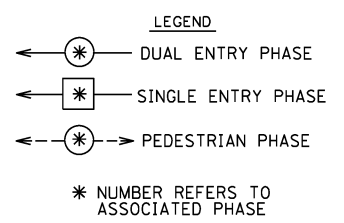
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	175

CONTRACT NO. 60R19  
 ILLINOIS FED. AID PROJECT





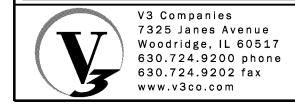
CABLE PLAN - STAGE 3 & 4A



TEMPORARY PHASE DESIGNATION DIAGRAM - STAGES 3 & 4A

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

TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS*	WATTAGE INCAND.	LED	%OPERATION	
SIGNAL (RED)	9	17		0.50	93.50
(YELLOW)	9	25		0.25	68.75
(GREEN)	9	15		0.25	41.25
ARROW	4	12		0.10	4.80
PED. SIGNAL		25		1.00	
CONTROLLER	1		100	1.00	100.00
ILLUM. SIGN				0.05	
VIDEO DETECTION	1	150		1.00	150.00
FLASHER				0.50	
ENERGY COSTS TO: IDOT DIVISION OF HIGHWAYS DISTRICT I 201 W. CENTER COURT SCHAUMBURG, IL 60196					TOTAL = 458.30
ENERGY SUPPLY CONTACT: GARRY ZACK					
PHONE: 630-437-3182					
COMPANY: COMED					



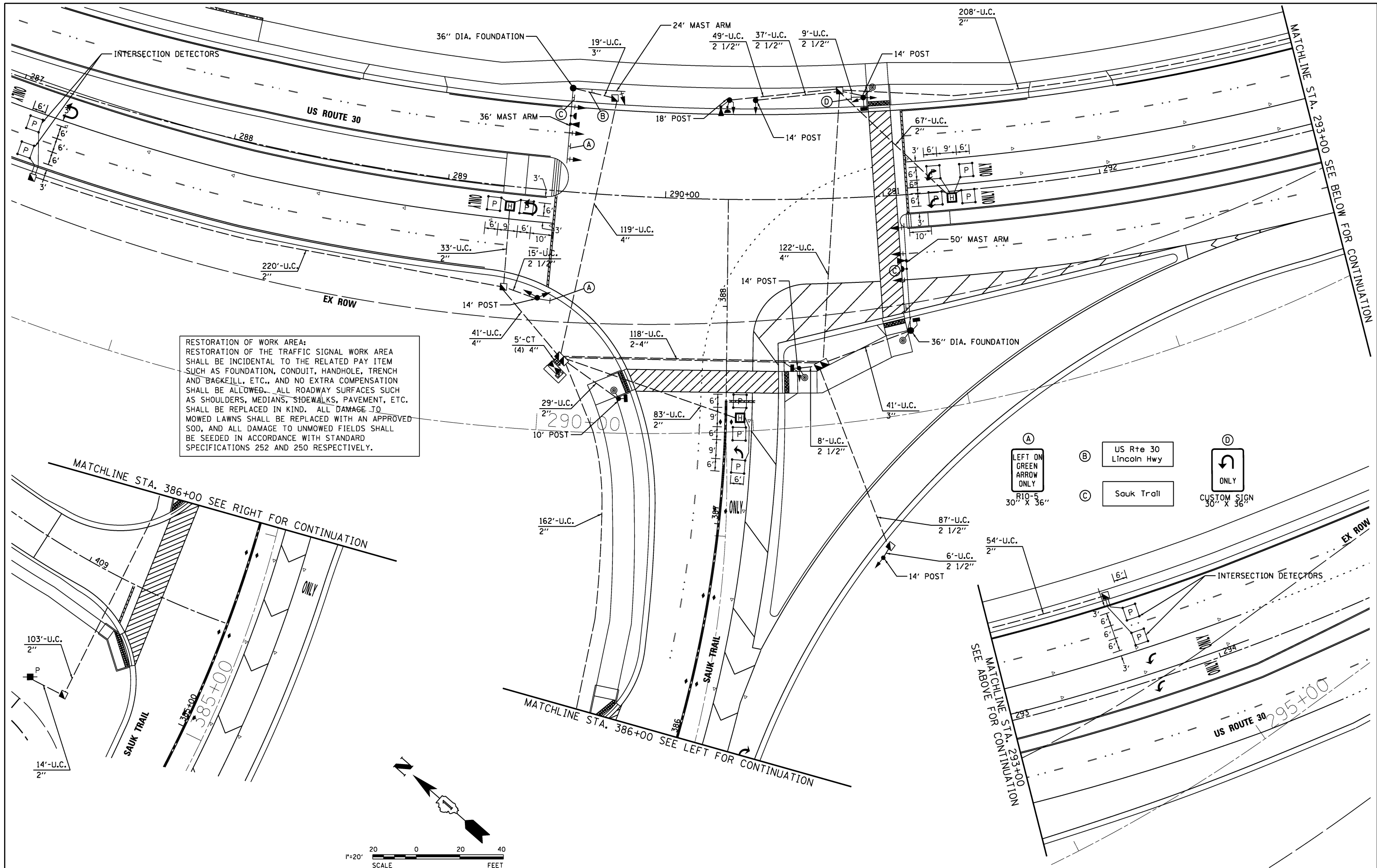
USER NAME = hshah	DESIGNED - DTE	REVISED -
	DRAWN - DRP	REVISED -
PLOT SCALE = 20,000' / 1"	CHECKED - VJD	REVISED -
PLOT DATE = 8/21/2013	DATE - 08/14/2013	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**US ROUTE 30 AT SAUK TRAIL  
 TEMPORARY CABLE PLAN AND TEMPORARY PHASE  
 DESIGNATION DIAGRAM - STAGES 3 & 4a**

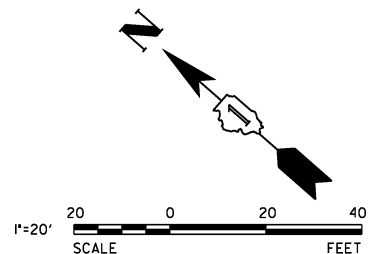
SCALE: N.T.S. SHEET NO. 6 OF 8 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	176
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				



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

- (A) LEFT ON GREEN ARROW ONLY  
R10-5  
30" X 36"
- (B) US Rte 30 Lincoln Hwy
- (C) Sauk Trail
- (D) CUSTOM SIGN  
30" X 36"



V3 Companies  
 7325 Janes Avenue  
 Woodridge, IL 60517  
 630.724.9200 phone  
 630.724.9202 fax  
 www.v3co.com

USER NAME = hshsh  
 PLOT SCALE = 20.0000' / 1"  
 PLOT DATE = 8/21/2013

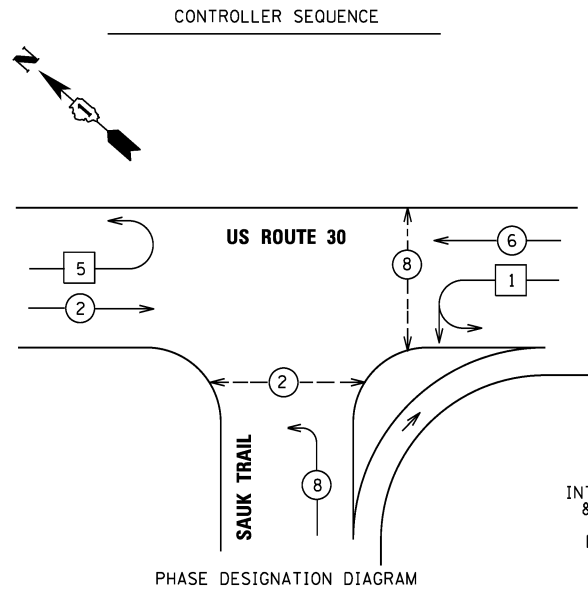
DESIGNED - DTE  
 DRAWN - DRP  
 CHECKED - VJD  
 DATE - 08/14/2013

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

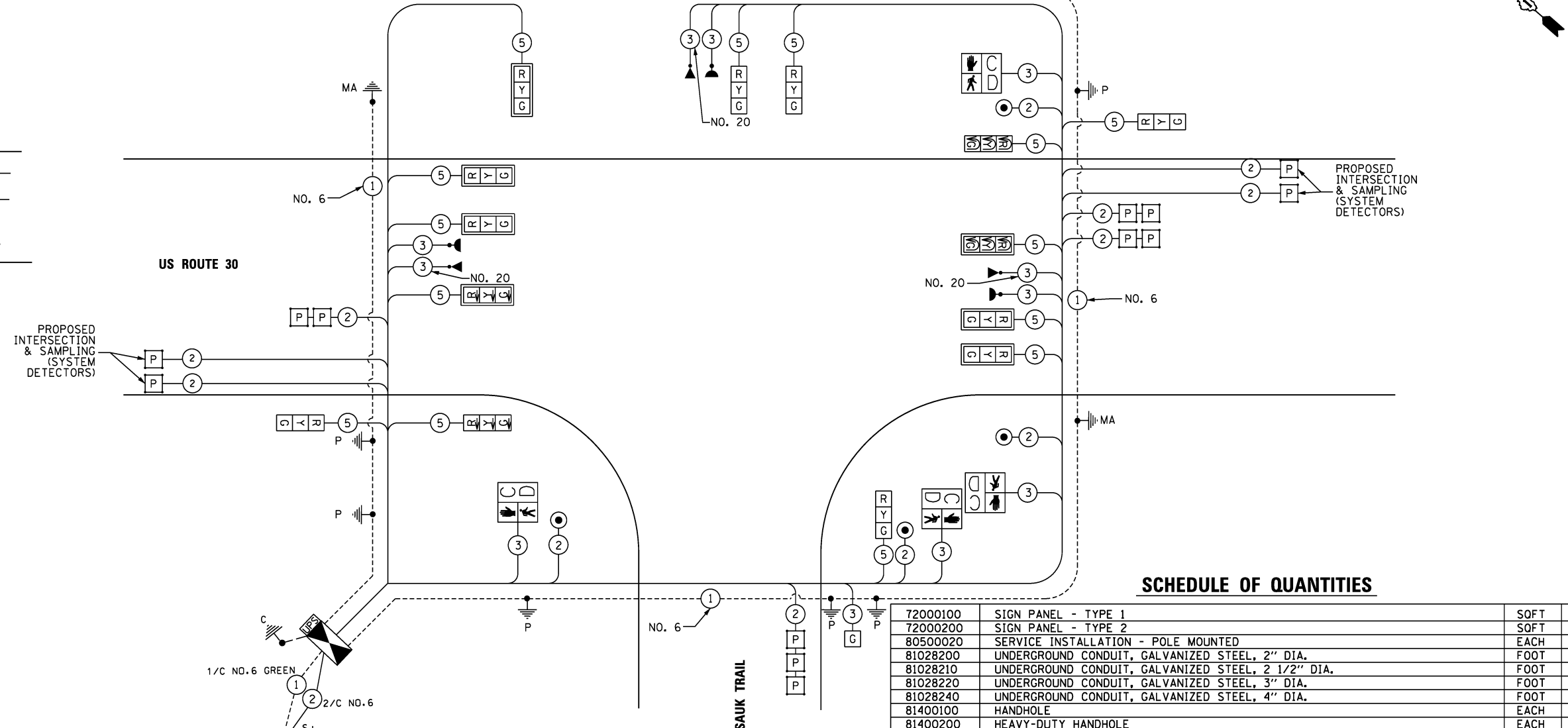
**US ROUTE 30 AT SAUK TRAIL  
 TRAFFIC SIGNAL MODERNIZATION PLAN**  
 SCALE: 1" = 20' SHEET NO. 7 OF 8 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	177
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- ⊛ DUAL ENTRY PHASE
- ⊛ SINGLE ENTRY PHASE
- ⊛ PEDESTRIAN PHASE
- \* NUMBER REFERS TO ASSOCIATED PHASE



**SCHEDULE OF QUANTITIES**

72000100	SIGN PANEL - TYPE 1	SOFT	30
72000200	SIGN PANEL - TYPE 2	SOFT	15
80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	1
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	973
81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	211
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	60
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	538
81400100	HANDHOLE	EACH	7
81400200	HEAVY-DUTY HANDHOLE	EACH	3
81400300	DOUBLE HANDHOLE	EACH	2
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	731
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1854
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3284
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2619
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	335
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1102
87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 10 FT.	EACH	1
87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 14 FT.	EACH	5
87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 18 FT.	EACH	1
87700290	STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1
87702310	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 24 FT. AND 36 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	28
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	27
88030012	SIGNAL HEAD, LED, 1-FACE, 1-SECTION, BRACKET MOUNTED	EACH	1
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	7
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
88030210	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	7
88500100	INDUCTIVE LOOP DETECTOR	EACH	8
88600700	PREFORMED DETECTOR LOOP	FOOT	430
88700200	LIGHT DETECTOR	EACH	3
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1
88800100	PEDESTRIAN PUSH-BUTTON	EACH	4
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
89502380	REMOVE EXISTING HANDHOLE	EACH	5
89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3C	FOOT	828
X8620200	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

TYPE	NO. LAMPS*	WATTAGE INCAND. LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	10	17	0.50	85.00
(YELLOW)	10	25	0.25	62.50
(GREEN)	10	15	0.25	37.50
FREE FLOW GREEN	1	15	1.00	15.00
ARROW	12	12	0.10	14.40
PED. SIGNAL	4	25	1.00	100.00
CONTROLLER	1	100	1.00	100.00
ILLUM. SIGN	0		0.05	
FLASHER			0.50	

ENERGY COSTS TO: IDOT DIVISION OF HIGHWAYS TOTAL = 414.40  
 DISTRICT 1  
 201 W. CENTER COURT  
 SCHAUMBURG, IL 60196

ENERGY SUPPLY CONTACT: GARRY ZACK  
 PHONE: 630-437-3182  
 COMPANY: COMED

EMERGENCY VEHICLE PREEMPTION EQUIPMENT TO BE OPTICOM PER VILLAGE OF LYNWOOD REQUIREMENTS.

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

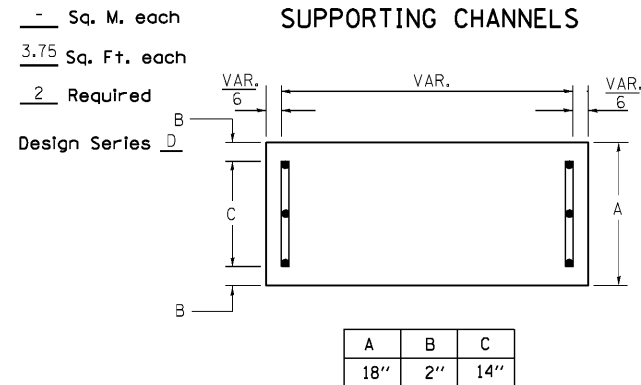
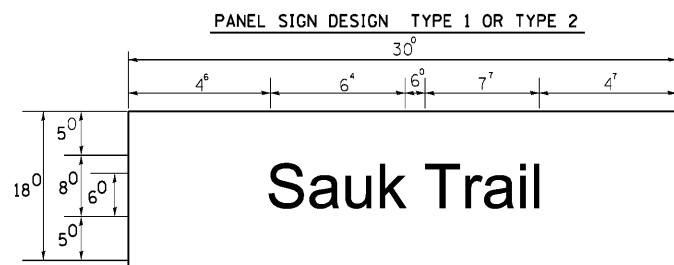
\*100% OF COST PAID BY VILLAGE OF LYNWOOD

V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	USER NAME = hshsh	DESIGNED - DTE	REVISED -
		DRAWN - DRP	REVISED -
	PLOT SCALE = 20.0000' / 1"	CHECKED - VJD	REVISED -
	PLOT DATE = 8/21/2013	DATE - 08/14/2013	REVISED -

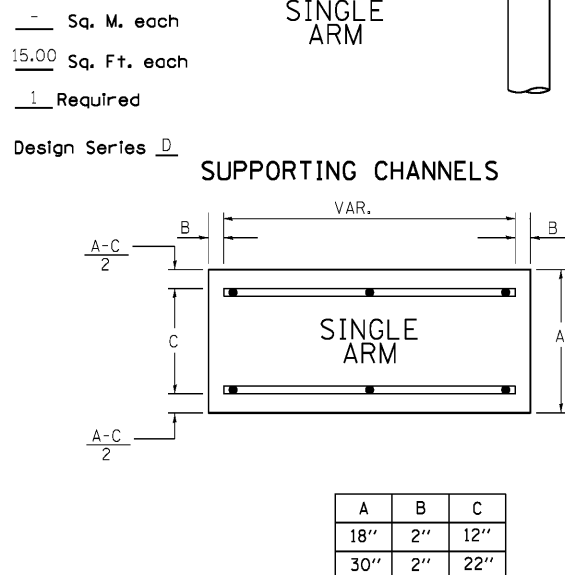
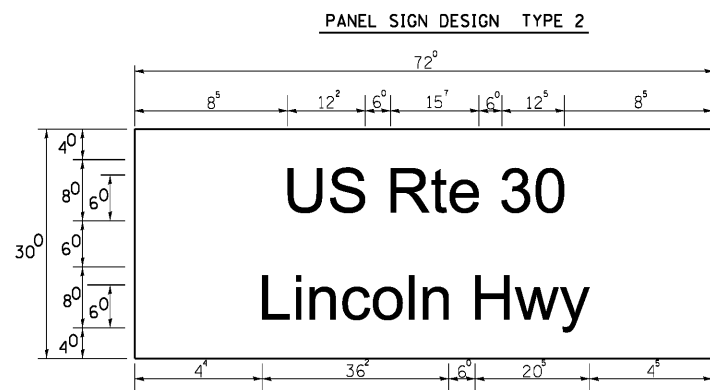
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

US ROUTE 30 AT SAUK TRAIL  
 SCHEDULE OF QUANTITIES  
 CABLE PLAN, PHASE DESIGNATION DIAGRAM,  
 SCALE: N.T.S. SHEET NO. 8 OF 8 SHEETS

F.A.P. RTE. 353	SECTION 11-Y-A	COUNTY COOK	TOTAL SHEETS 354	SHEET NO. 178
CONTRACT NO. 60R19				ILLINOIS FED. AID PROJECT



NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS



GENERAL NOTES

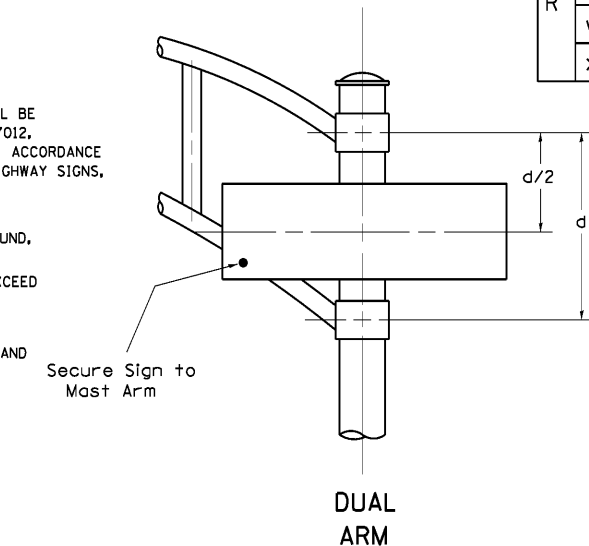
- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.
- THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 8'-0".
- ALL BORDERS SHALL BE 3/4" WIDE AND CORNER RADIUS SHALL BE 2-1/4".
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:

- \* J.O. HERBERT CO. MIDLOTHIAN, VA.
- \* WESTERN REMAC INC. WOODRIDGE, IL.

PARTS LISTING:  
SIGN CHANNEL PART \*HPN053 (MED. CHANNEL)  
SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3  
SELF TAPPING WITH NEOPRENE WASHER

BRACKETS PART \*HPN034 (UNIVERSAL)  
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.



SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM shall be used. See Note #5.

Upper Case To Lower Case  
Spacing Chart 8-6 Inch Series "C & D"

SERIES	SECOND LETTER															
	a c d e		b h i k l		f w		j		s t		v y		x		z	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
A W X	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>1</sup>	1 <sup>4</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>2</sup>	1 <sup>4</sup>
B	1 <sup>4</sup>	1 <sup>5</sup>	2 <sup>0</sup>	2 <sup>1</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>
C E G	1 <sup>4</sup>	1 <sup>5</sup>	2 <sup>0</sup>	2 <sup>1</sup>	1 <sup>2</sup>	1 <sup>4</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>
D O O R	1 <sup>4</sup>	1 <sup>5</sup>	2 <sup>0</sup>	2 <sup>1</sup>	1 <sup>4</sup>	1 <sup>5</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>
F	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>4</sup>	1 <sup>5</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>5</sup>	0 <sup>6</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>1</sup>	1 <sup>2</sup>
H I M N	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>2</sup>	2 <sup>4</sup>	2 <sup>0</sup>	2 <sup>1</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>0</sup>	2 <sup>1</sup>
J U	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>0</sup>	2 <sup>1</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	2 <sup>0</sup>	2 <sup>1</sup>
K L	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>1</sup>	1 <sup>2</sup>	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>2</sup>	1 <sup>4</sup>
P	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>
S	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>2</sup>	1 <sup>4</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>
T	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>6</sup>	1 <sup>7</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>2</sup>	1 <sup>4</sup>
V	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>
Y	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>4</sup>	1 <sup>5</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>5</sup>	0 <sup>6</sup>	0 <sup>5</sup>	0 <sup>7</sup>	0 <sup>5</sup>	0 <sup>6</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>1</sup>	1 <sup>2</sup>
Z	1 <sup>6</sup>	1 <sup>7</sup>	2 <sup>2</sup>	2 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	2 <sup>0</sup>	2 <sup>1</sup>

Lower Case To Lower Case  
Spacing Chart 6 Inch Series "C & D"

SERIES	SECOND LETTER															
	a c d e		b h i k l		f w		j		s t		v y		x		z	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
ad h g i j	1 <sup>6</sup>	1 <sup>7</sup>	2 <sup>2</sup>	2 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>
l m n q u																
b f k o p s	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>1</sup>	1 <sup>2</sup>	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>
c e	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>2</sup>	1 <sup>4</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>
r	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>2</sup>	1 <sup>4</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>3</sup>	0 <sup>3</sup>	0 <sup>5</sup>	0 <sup>6</sup>	0 <sup>5</sup>	0 <sup>6</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>6</sup>	1 <sup>0</sup>
t z	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>2</sup>	1 <sup>4</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>
v y	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	0 <sup>5</sup>	0 <sup>6</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>
w	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>2</sup>	1 <sup>4</sup>
x	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>1</sup>	1 <sup>2</sup>	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>2</sup>	1 <sup>4</sup>

Number To Number  
Spacing Chart 8 Inch Series "C & D"

SERIES	SECOND NUMBER																			
	0		1		2		3		4		5		6		7		8		9	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
0 9	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>
1	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>0</sup>	2 <sup>1</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>4</sup>	1 <sup>5</sup>	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>0</sup>	2 <sup>1</sup>	1 <sup>4</sup>	1 <sup>5</sup>	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>0</sup>	2 <sup>1</sup>
2 3 4	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>4</sup>	1 <sup>5</sup>
5	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>
6	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>
7	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>5</sup>	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>
8	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>4</sup>	1 <sup>5</sup>

EXAMPLE, 2<sup>3</sup> DENOTES 3/8

UPPER AND LOWER CASE  
LETTER WIDTHS

LETTERS	6 INCH UPPER CASE LETTERS				8 INCH UPPER CASE LETTERS				LETTERS	6 INCH LOWER CASE LETTERS	
	SERIES		SERIES		SERIES		SERIES			C	D
	C	D	C	D	C	D	C	D			
A	3 <sup>6</sup>	5 <sup>0</sup>	5 <sup>0</sup>	6 <sup>5</sup>	a	3 <sup>5</sup>	4 <sup>2</sup>				
B	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	b	3 <sup>5</sup>	4 <sup>2</sup>				
C	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	c	3 <sup>5</sup>	4 <sup>1</sup>				
D	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	d	3 <sup>5</sup>	4 <sup>2</sup>				
E	3 <sup>0</sup>	3 <sup>5</sup>	4 <sup>0</sup>	4 <sup>7</sup>	e	3 <sup>5</sup>	4 <sup>2</sup>				
F	3 <sup>0</sup>	3 <sup>5</sup>	4 <sup>0</sup>	4 <sup>7</sup>	f	2 <sup>3</sup>	2 <sup>6</sup>				
G	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	g	3 <sup>5</sup>	4 <sup>2</sup>				
H	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	h	3 <sup>5</sup>	4 <sup>2</sup>				
I	0 <sup>7</sup>	0 <sup>7</sup>	1 <sup>1</sup>	1 <sup>2</sup>	i	1 <sup>1</sup>	1 <sup>1</sup>				
J	3 <sup>0</sup>	3 <sup>6</sup>	4 <sup>0</sup>	5 <sup>0</sup>	j	2 <sup>0</sup>	2 <sup>2</sup>				
K	3 <sup>2</sup>	4 <sup>1</sup>	4 <sup>3</sup>	5 <sup>4</sup>	k	3 <sup>5</sup>	4 <sup>2</sup>				
L	3 <sup>0</sup>	3 <sup>5</sup>	4 <sup>0</sup>	4 <sup>7</sup>	l	1 <sup>1</sup>	1 <sup>1</sup>				
M	3 <sup>7</sup>	4 <sup>5</sup>	5 <sup>1</sup>	6 <sup>1</sup>	m	6 <sup>0</sup>	7 <sup>0</sup>				
N	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	n	3 <sup>5</sup>	4 <sup>2</sup>				
O	3 <sup>4</sup>	4 <sup>2</sup>	4 <sup>5</sup>	5 <sup>5</sup>	o	3 <sup>6</sup>	4 <sup>3</sup>				
P	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	p	3 <sup>5</sup>	4 <sup>2</sup>				
Q	3 <sup>4</sup>	4 <sup>2</sup>	4 <sup>5</sup>	5 <sup>5</sup>	q	3 <sup>5</sup>	4 <sup>2</sup>				
R	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	r	2 <sup>6</sup>	3 <sup>2</sup>				
S	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	s	3 <sup>6</sup>	4 <sup>2</sup>				
T	3 <sup>0</sup>	3 <sup>5</sup>	4 <sup>0</sup>	4 <sup>7</sup>	t	2 <sup>7</sup>	3 <sup>2</sup>				
U	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	u	3 <sup>5</sup>	4 <sup>2</sup>				
V	3 <sup>5</sup>	4 <sup>4</sup>	4 <sup>7</sup>	6 <sup>0</sup>	v	4 <sup>2</sup>	4 <sup>7</sup>				
W	4 <sup>4</sup>	5 <sup>2</sup>	6 <sup>0</sup>	7 <sup>0</sup>	w	5 <sup>5</sup>	6 <sup>4</sup>				
X	3 <sup>4</sup>	4 <sup>0</sup>	4 <sup>5</sup>	5 <sup>3</sup>	x	4 <sup>4</sup>	5 <sup>1</sup>				
Y	3 <sup>6</sup>	5 <sup>0</sup>	5 <sup>0</sup>	6 <sup>6</sup>	y	4 <sup>6</sup>	5 <sup>3</sup>				
Z	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	z	3 <sup>6</sup>	4 <sup>3</sup>				

NUMBER	6 INCH SERIES		8 INCH SERIES	
	C	D	C	D
1	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>5</sup>	2 <sup>0</sup>
2	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>
3	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>
4	3 <sup>5</sup>	4 <sup>3</sup>	4 <sup>7</sup>	5 <sup>7</sup>
5	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>
6	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>
7	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>
8	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>
9	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>
0	3 <sup>4</sup>	4 <sup>2</sup>	4 <sup>5</sup>	5 <sup>5</sup>

FILE NAME = E:\2011\11176\Drawings\Mstn\T49\CADD Sheets\0160R19-shl-ts_09.dgn	USER NAME = dsberman	DESIGNED - DAG/BCK	REVISED - DAG 10/28/09
		DRAWN - BCK	REVISED - LP 01/01/14
		CHECKED - DAG/DAD	REV

# TRAFFIC SIGNAL LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED
CONTROLLER CABINET				EMERGENCY VEHICLE LIGHT DETECTOR				ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE			
RAILROAD CONTROL CABINET				CONFIRMATION BEACON				COAXIAL CABLE			
COMMUNICATIONS CABINET				HANDHOLE				VENDOR CABLE FOR CAMERA			
MASTER CONTROLLER				HEAVY DUTY HANDHOLE				COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED			
MASTER MASTER CONTROLLER				DOUBLE HANDHOLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F			
UNINTERRUPTABLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F			
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT				UNDERGROUND CONDUIT, GALVANIZED STEEL (UC)				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F			
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F			
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F			
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)				GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM		S	S	CONTROLLER CABINET AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM		I	IP	STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED			
SIGNAL POST				REMOVE ITEM	R			ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED			
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				RELOCATE ITEM	RL			STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED			
GUY WIRE				ABANDON ITEM	A			SIGNAL POST AND FOUNDATION TO BE REMOVED			
SIGNAL HEAD				12" (300mm) TRAFFIC SIGNAL SECTION				INTERSECTION & SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE				SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				QUEUE DETECTOR			
SIGNAL HEAD OPTICALLY PROGRAMMED				SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD				PREFORMED QUEUE DETECTOR			
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				"RB" INDICATES REFLECTIVE BACKPLATE				PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL				PREFORMED SAMPLING (SYSTEM) DETECTOR			
PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED							
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID							
ILLUMINATED SIGN "NO LEFT TURN"				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER							
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO INTERCONNECT							
DETECTOR LOOP, TYPE I				RADIO REPEATER							
PREFORMED DETECTOR LOOP				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED							
MICROWAVE VEHICLE SENSOR				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)							
VIDEO DETECTION CAMERA											
VIDEO DETECTION ZONE											
PAN, TILT, ZOOM CAMERA											
WIRELESS DETECTOR SENSOR											
WIRELESS ACCESS POINT											

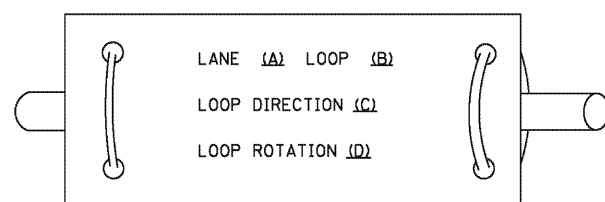
## RAILROAD SYMBOLS

	EXISTING	PROPOSED
RAILROAD CONTROL CABINET		
RAILROAD CANTILEVER MAST ARM		
FLASHING SIGNAL		
CROSSING GATE		
CROSSBUCK		

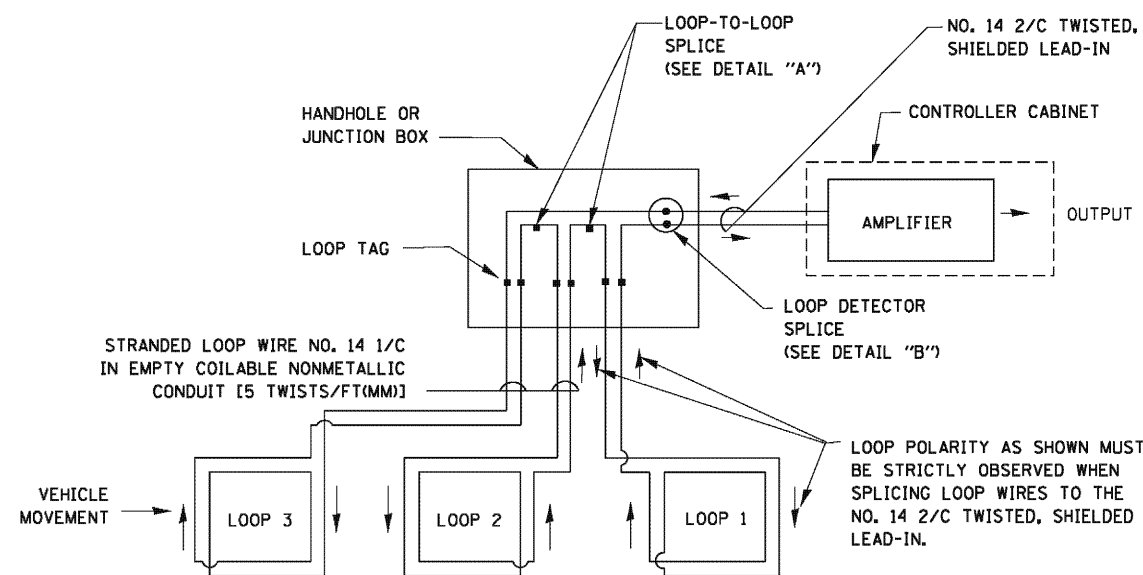
**LOOP DETECTOR NOTES**

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.

**LOOP LEAD-IN CABLE TAG**

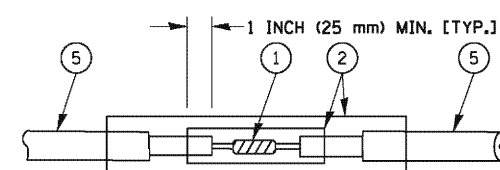


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

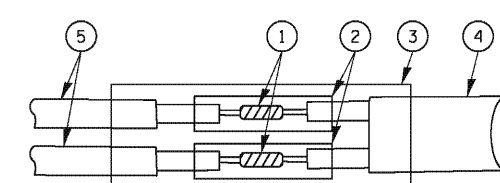


**DETECTOR LOOP WIRING SCHEMATIC**

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

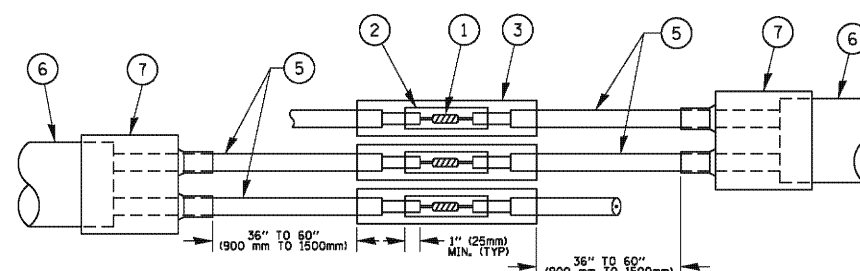


DETAIL "A"  
LOOP-TO-LOOP SPLICE

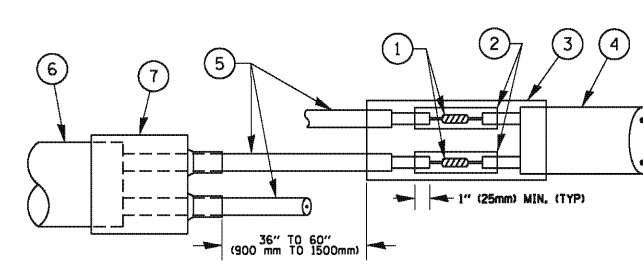


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**TYPE I LOOP**



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

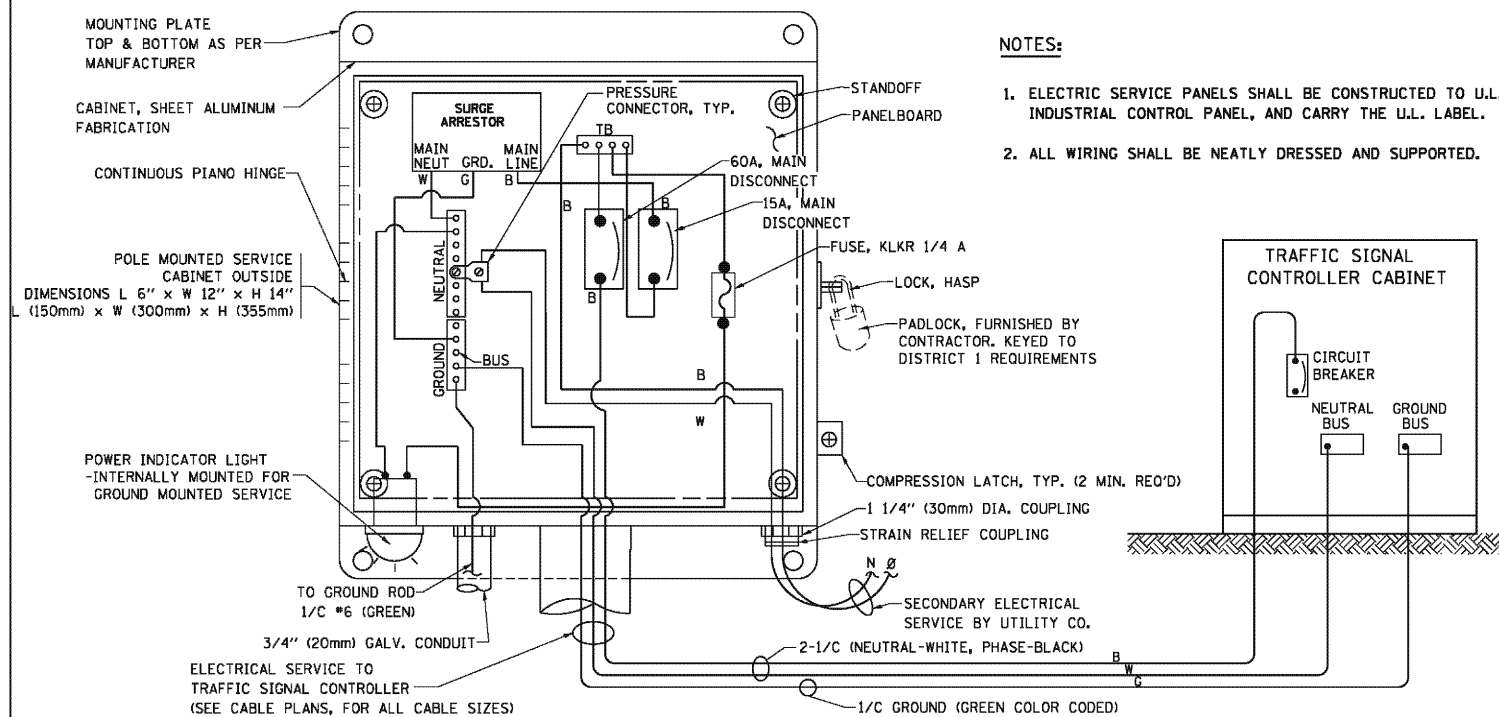
**PREFORMED LOOP**

**LOOP DETECTOR SPLICE**

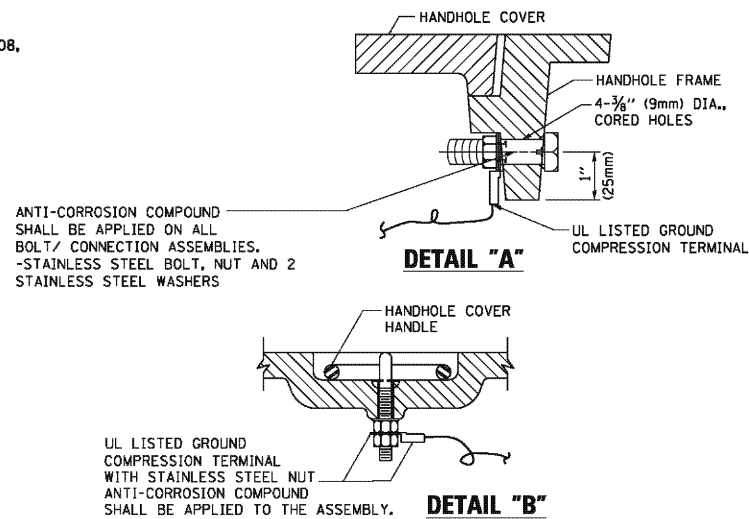
- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- 2 WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- 3 WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- 4 NO. 14 2/C TWISTED, SHIELDED CABLE.
- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- 6 PREFORMED 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	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pwr\work\pwr\dot\Footemj\d0188315\te05.pgn		DRAWN - BCK	REVISED -		SCALE: NONE	SHEET NO. 2 OF 7 SHEETS	STA.	TO STA.	TS-05			354	181
		CHECKED - DAD	REVISED -										
		DATE - 10-28-09	REVISED -										
		PLOT SCALE = 50.0000' / 1"											
		PLOT DATE = 1/13/2014											
											CONTRACT NO. 60R19		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT													



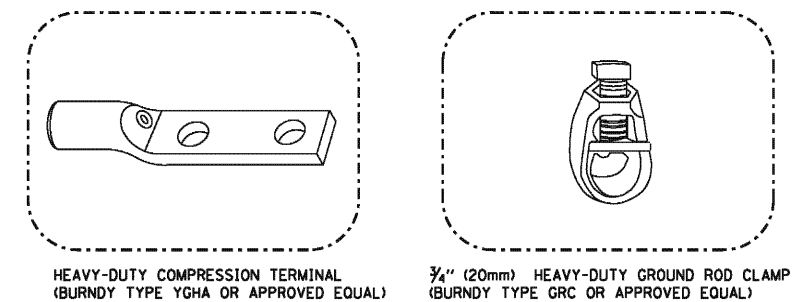
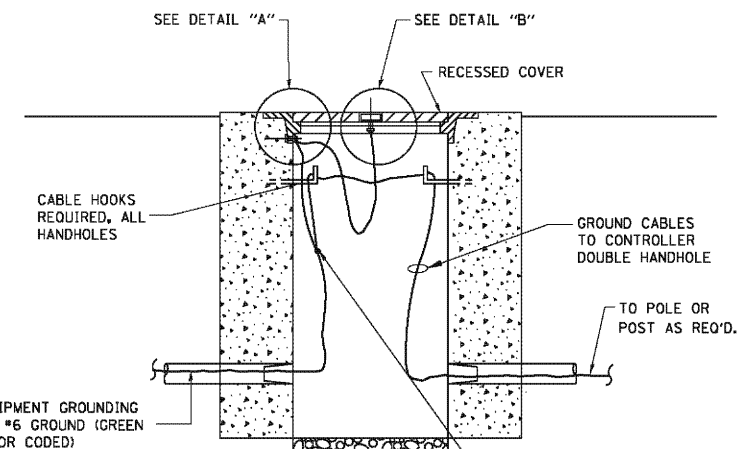


**ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)  
SERVICE INSTALLATION POLE MOUNT (SHOWN)  
(NOT TO SCALE)**



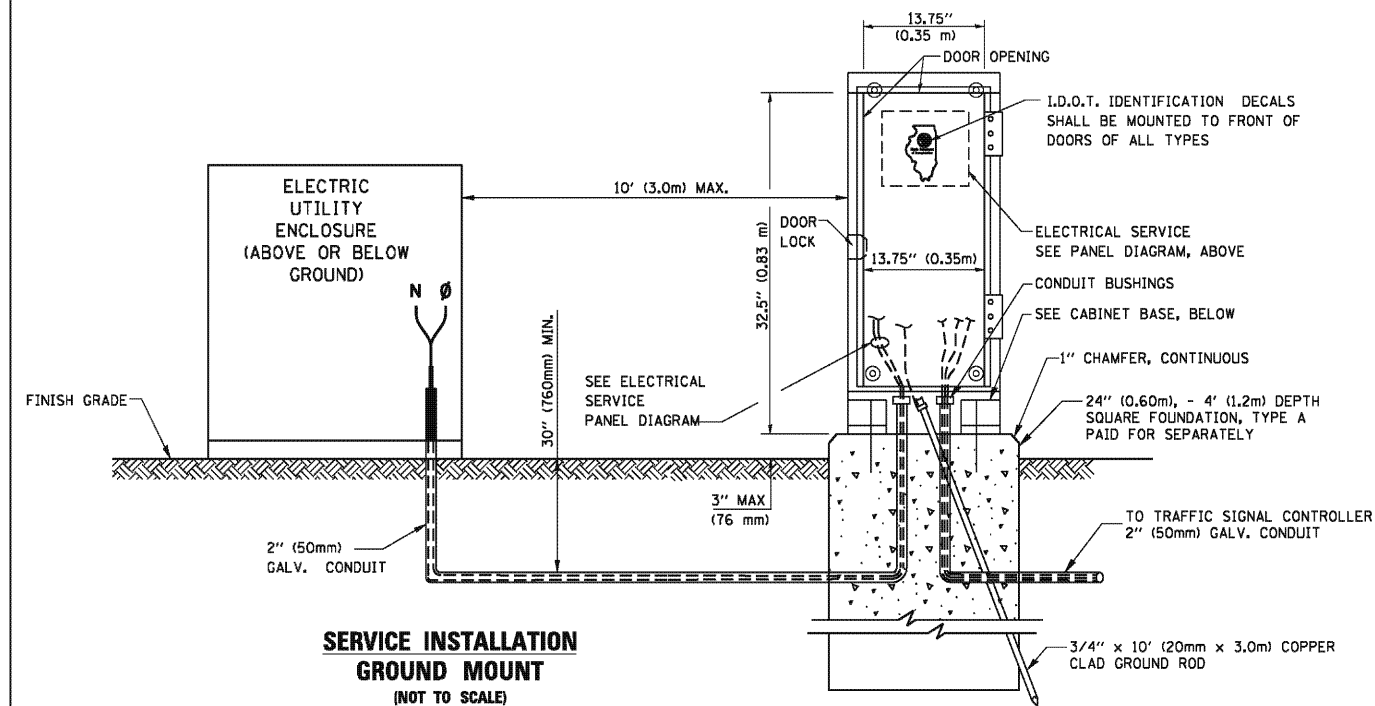
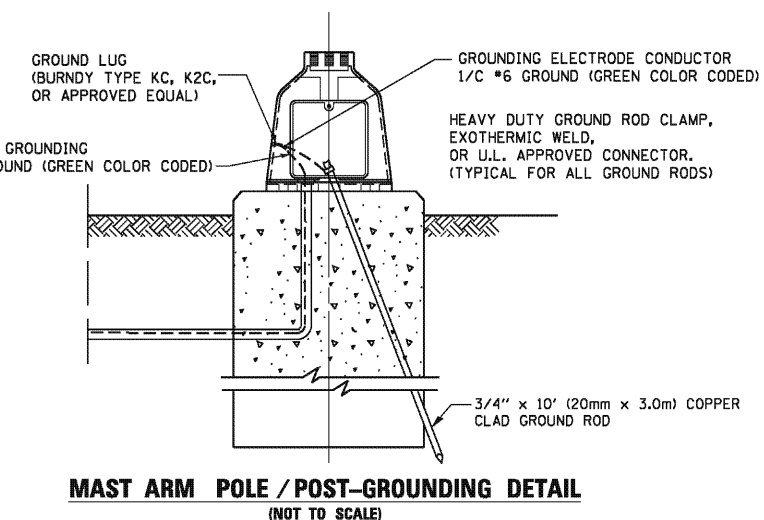
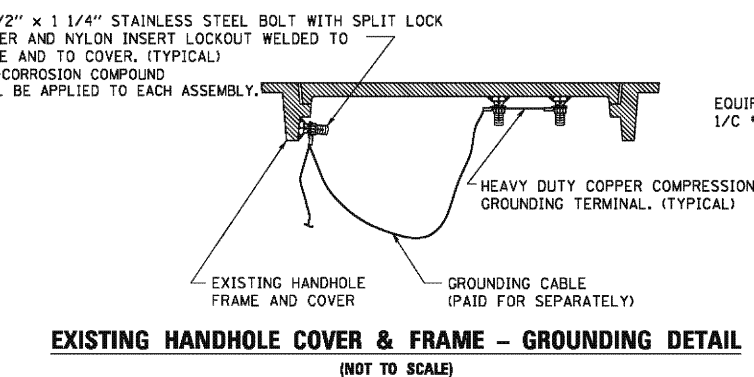
**NOTES:**  
**GROUNDING SYSTEM**

- THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
- THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
- ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
- THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

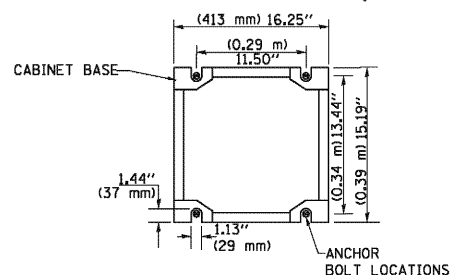


**NOTES:**

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES. 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES. 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



**CABINET - BASE BOLT PATTERN  
(NOT TO SCALE)**



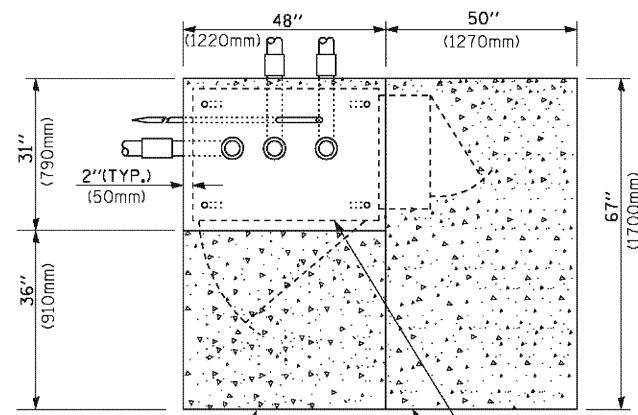
FILE NAME =	USER NAME = foatemj	DESIGNED - DAD	REVISED - DAG 1-1-14
ca:\pwwork\pwwork\foatemj\d0188315\te05.dgn		DRAWN - BCK	REVISED -
		CHECKED - DAD	REVISED -
		DATE - 10-28-09	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

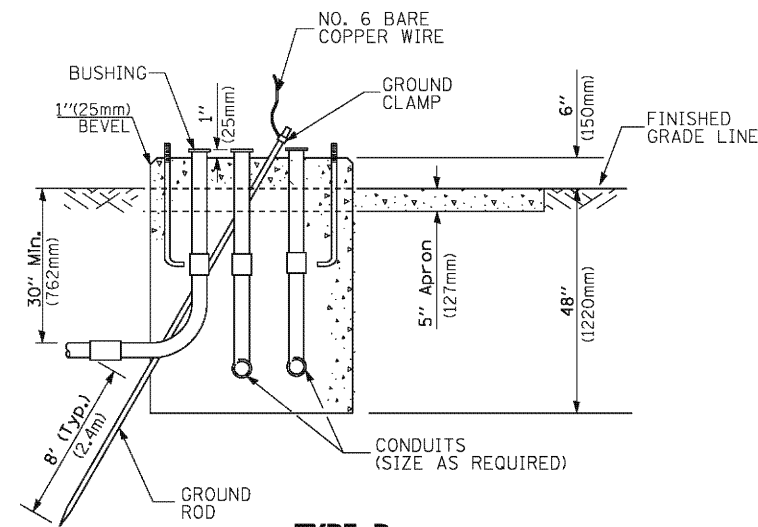
<b>DISTRICT ONE</b>			
<b>STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>			
SCALE: NONE	SHEET NO. 4 OF 7 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	<b>TS-05</b>		354	183
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R19	

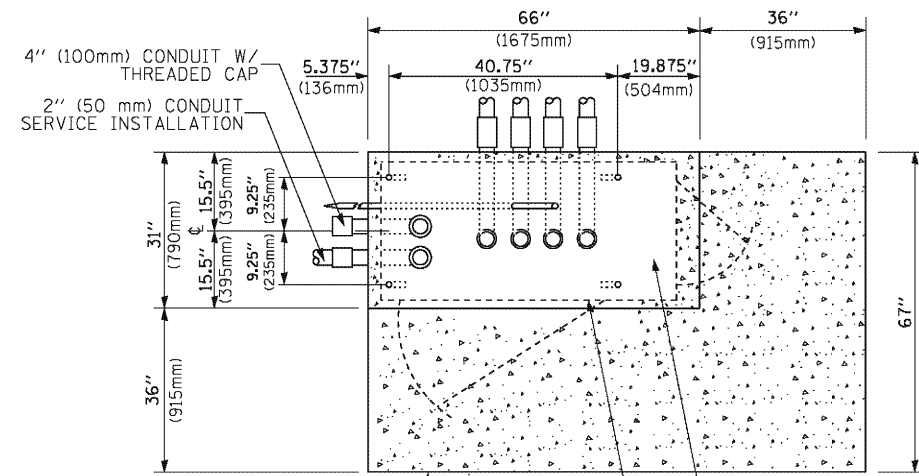




**TOP VIEW**



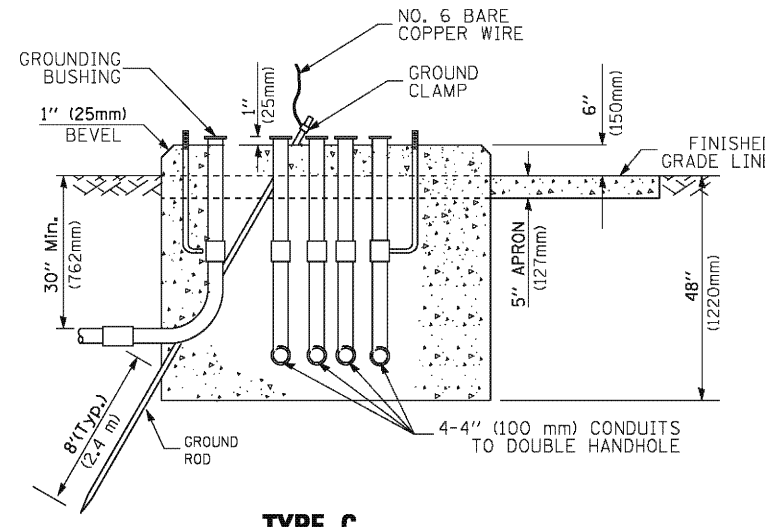
**TYPE D  
FOR GROUND MOUNTED  
CONTROLLER CABINET  
AND UPS BATTERY CABINET**



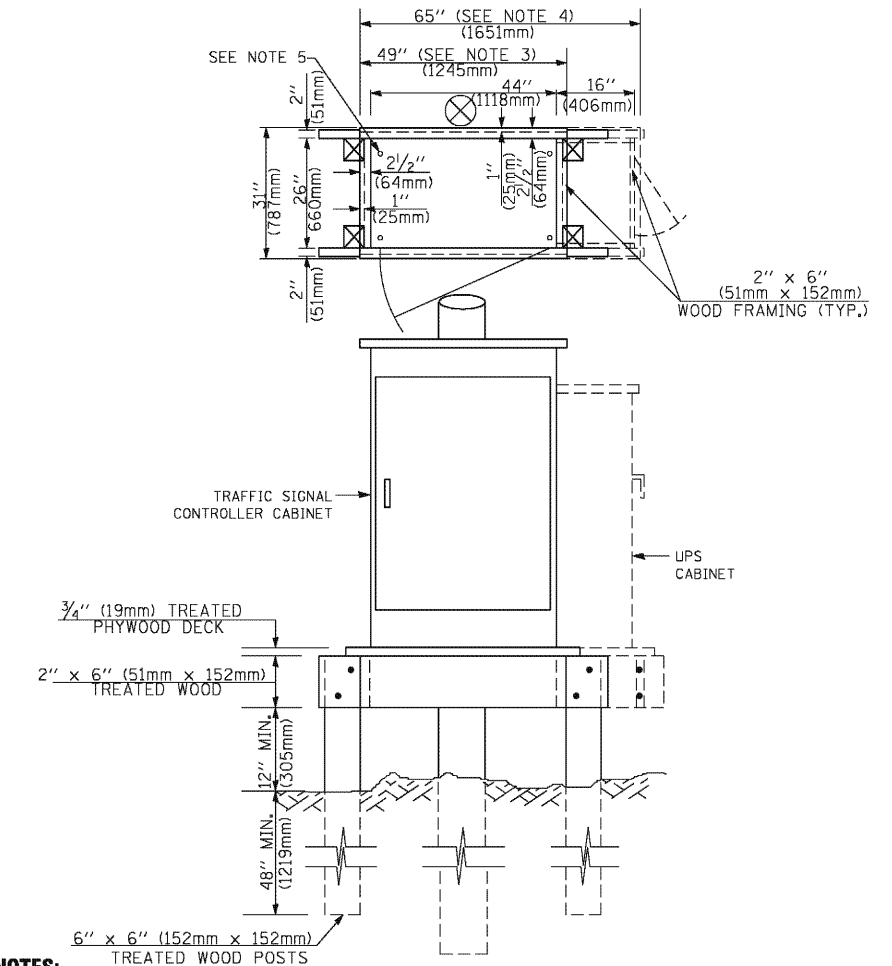
**TOP VIEW**

**NOTE:**

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE



**TYPE C  
FOR GROUND MOUNTED  
SUPER P (TYPE IV) AND SUPER R (TYPE V)  
CONTROLLER CABINETS**



**NOTES:**

- BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
- BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
- PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
- PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
- DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
- FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

**TEMPORARY SIGNAL CONTROLLER  
WOOD SUPPORT PLATFORM**

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

**CABLE SLACK**

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

**VERTICAL CABLE LENGTH**

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

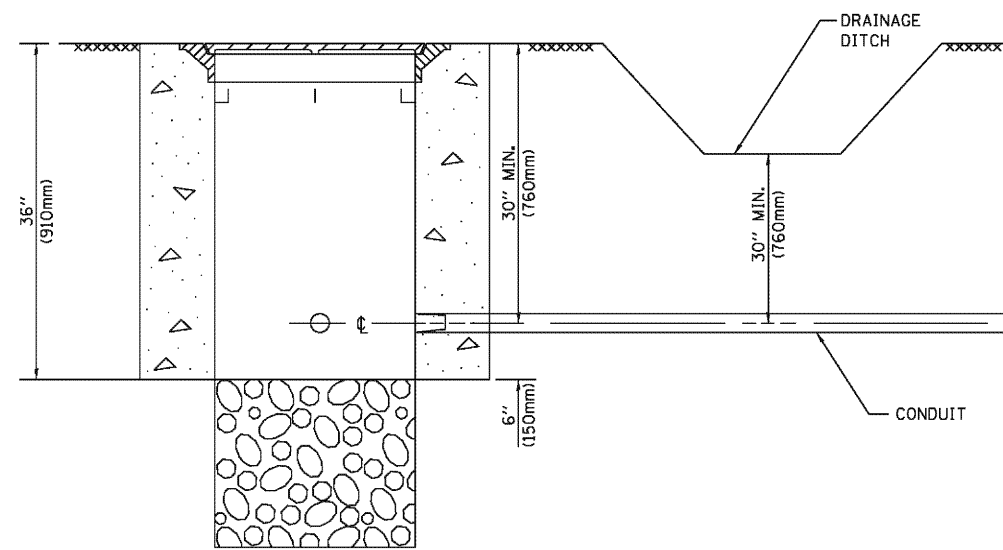
**DEPTH OF FOUNDATION**

MAST ARM LENGTH	Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m) and up to 85' (25.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

**NOTES:**

- These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (QU) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
- Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
- Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
- For mast arm assemblies with dual arms refer to state standard 878001..

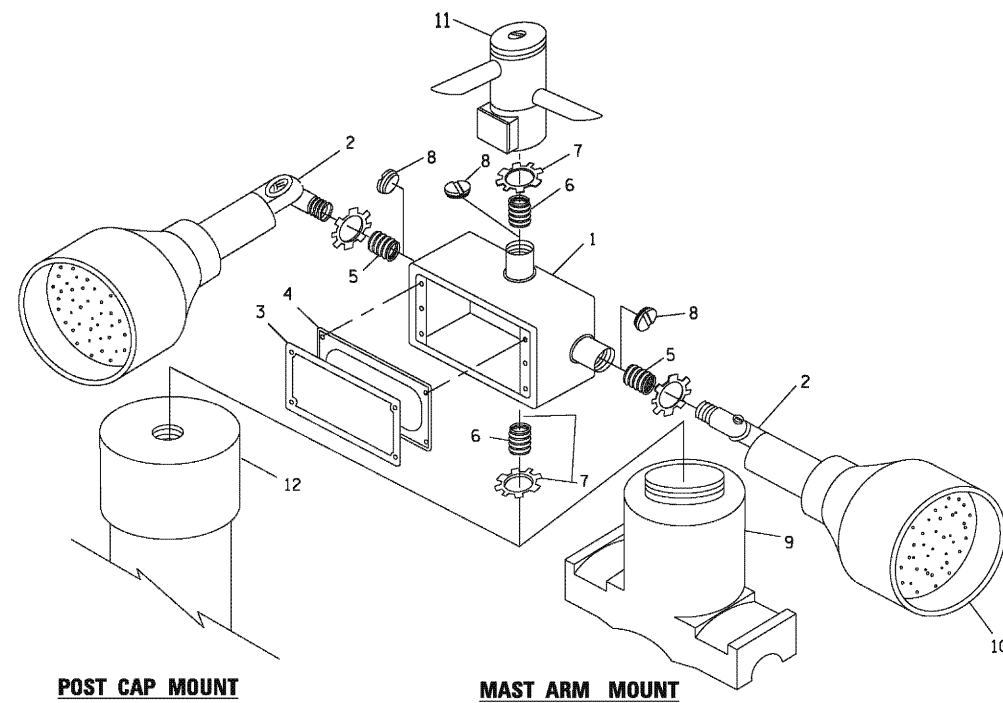
**DEPTH OF MAST ARM FOUNDATIONS, TYPE E**



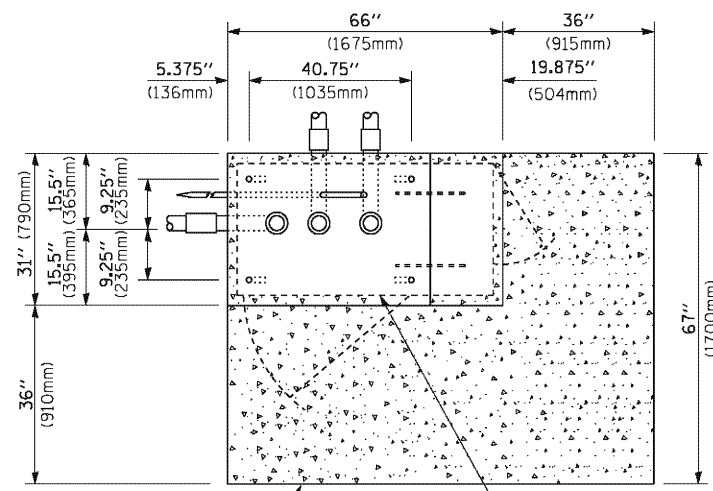
**NOTES:**

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

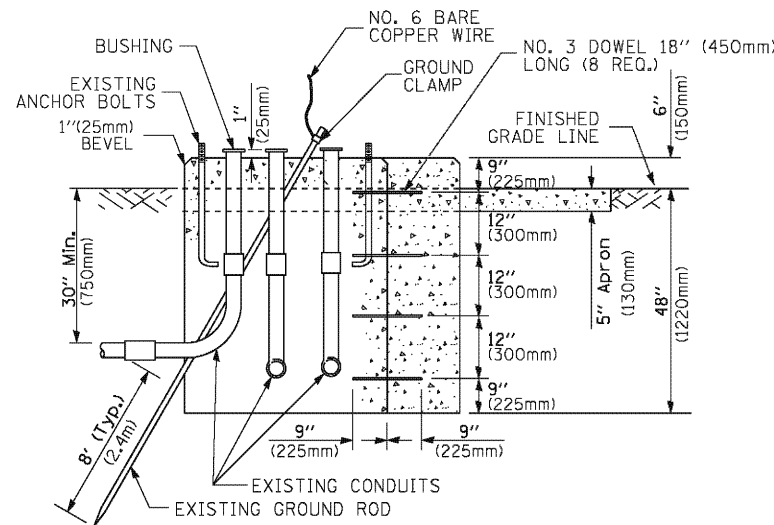
**HANDHOLE WITH MINIMUM CONDUIT DEPTH**  
(NOT TO SCALE)



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



**TOP VIEW**  
(NOT TO SCALE)

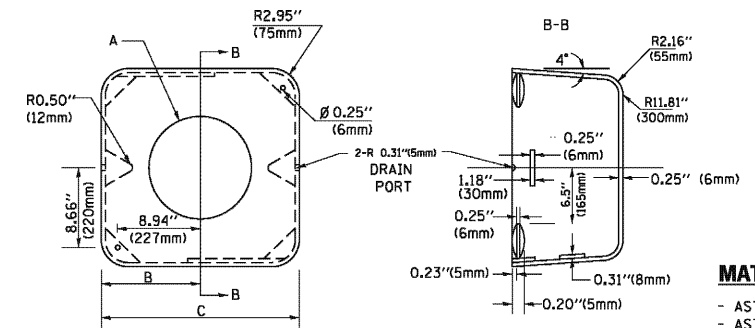


**MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION**  
(NOT TO SCALE)

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

**NOTES:**

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT  
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT  
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



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

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

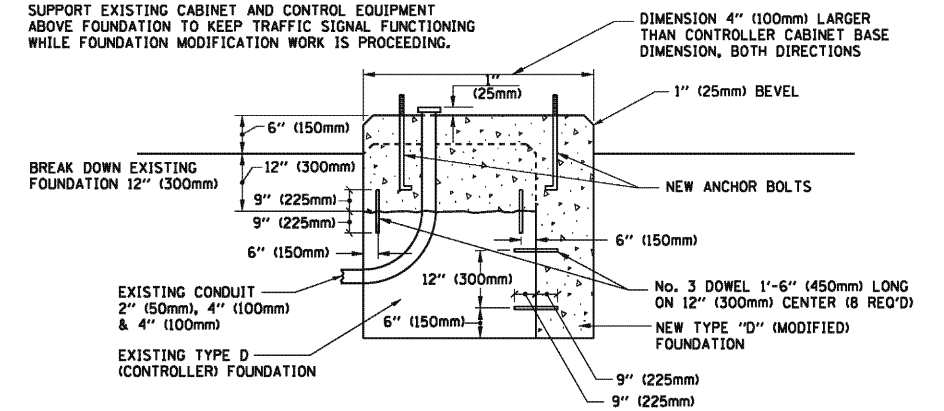
**SHROUD**

**NOTES:**

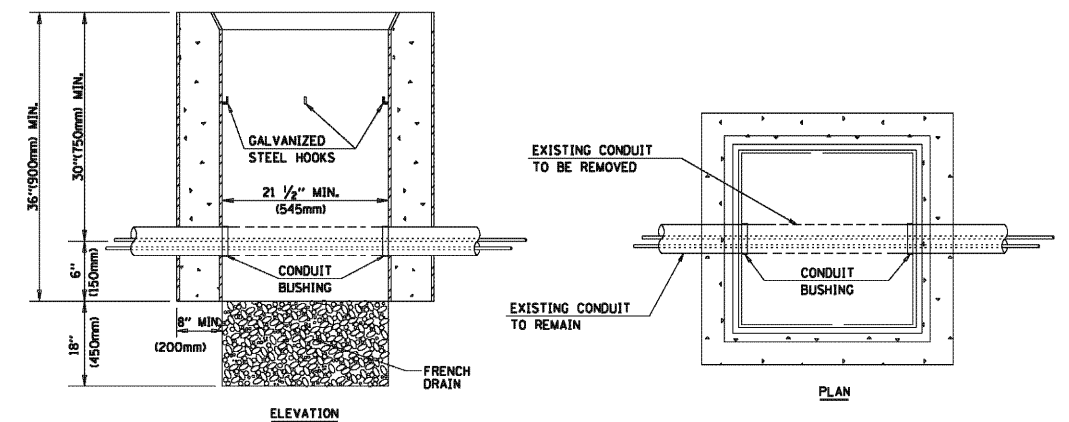
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

**NOTE:**

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



**MODIFY EXISTING TYPE "D" FOUNDATION**



**NOTES:**

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

**HANDHOLE TO INTERCEPT EXISTING CONDUIT**

FILE NAME =	USER NAME = foatemj	DESIGNED - DAD	REVISED - DAG 1-1-14
ca:\pwwork\pwwork\foatemj\d0188315\te05.dgn		DRAWN - BCK	REVISED -
PLOT SCALE = 50.0000 / 1x		CHECKED - DAD	REVISED -
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. 6 OF 7 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS-05		354	185
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R19	

Bench Mark:

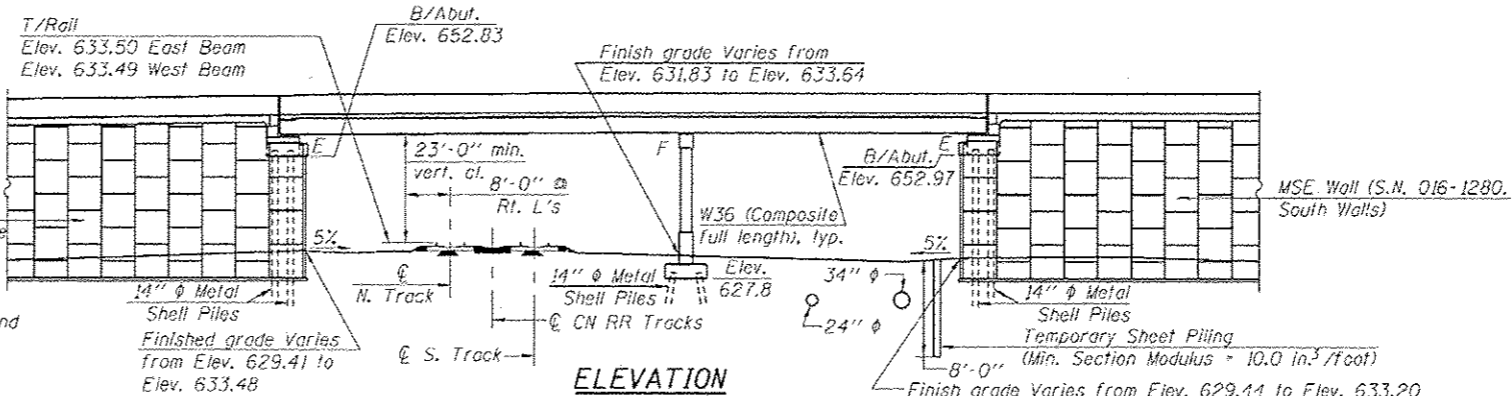
BM #3 - Cut square in N.E. corner of large utility structure S. of the N. set of R.R. tracks (Norfolk Southern Railroad) and near the E. R.O.W. line of U.S. Rt. 30 Sta. 278+54.41, 71.23' L.L., Elev. 631.16

BM #103 - Cut square at corner of traffic manhole on E. side of U.S. Rt. 30 and E. line of Sauk Trail Sta. 291+34.10, 39.95' L.L., Elev. 633.67

Existing Structure: None

Stage traffic to be maintained along existing US 30. See Roadway Plans for maintenance of traffic.

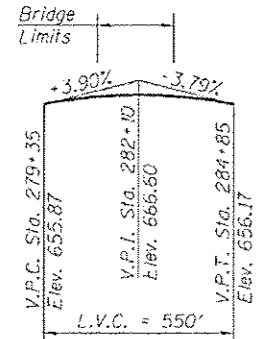
MSE Wall (S.N. 016-1279, North Walls) For the limits of removal of unsuitable material and backfill with structural fill for the east half of the N. Abut. see SN 016-1279. The limits shall extend 5' in front of the wall face and 5' beyond the reinforced soil mass.



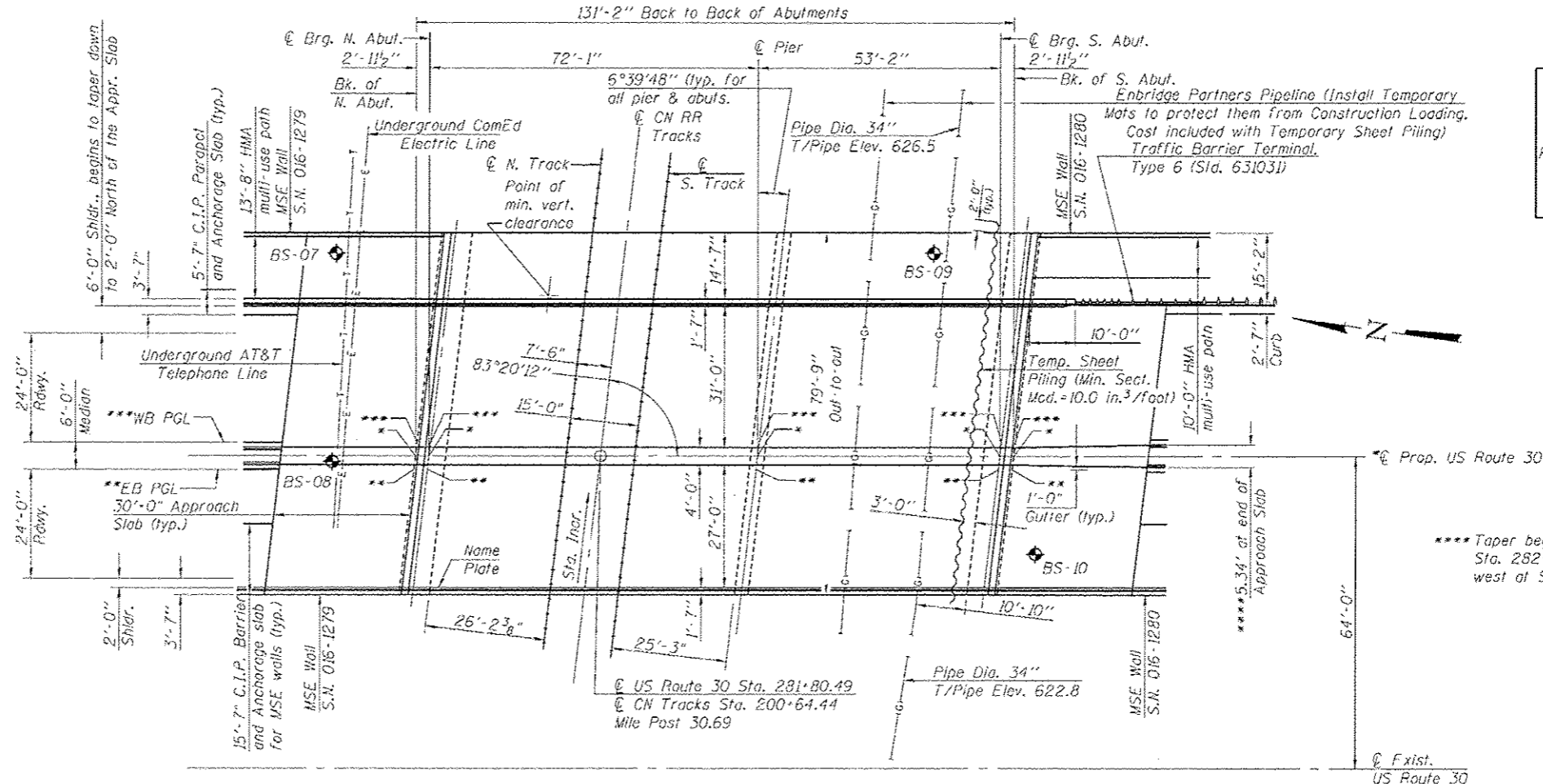
**APPROVED**  
For Structural Adequacy Only  
*Bill Veam*  
Engineer of Bridges & Structures

STATION 282+05.51  
BUILT BY  
STATE OF ILLINOIS  
F.A.P. RT. 353 SEC. 11-Y-A  
LOADING HL-93  
STRUCTURE NO. 016-1350

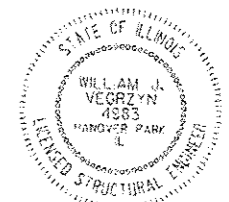
**NAME PLATE**  
See Std. 515001



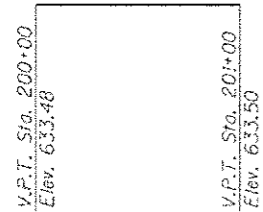
**PROFILE GRADE - US 30**  
(along EB & WB P.G.L.'s)



**PLAN**



*Bill Veam* 8/12/2013  
Expires 11-30-14



**PROFILE GRADE**  
(Top of Rail CN Railroad)

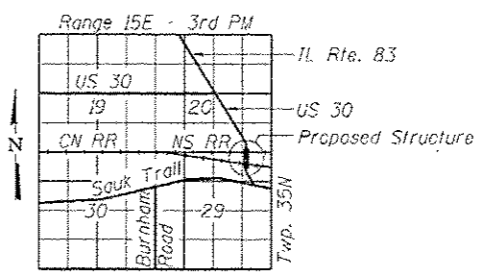
**\*@ US RTE. 30, \*\*EB PGL AND \*\*\*WB PGL STATIONS AND ELEVATIONS TABLE**

Transverse	Station	Elev.	**EB PGL Station	Elev.	***WB PGL Station	Elev.
Bk. of N. Abut.	281+39.93	660.99	281+39.56	660.93	281+40.28	660.93
@ Brg. N. Abut.	281+42.89	661.02	281+42.54	660.96	281+43.24	660.96
@ Pier	282+14.97	661.38	282+14.62	661.31	282+15.32	661.31
@ Brg. S. Abut.	282+68.14	661.17	282+67.79	661.11	282+68.49	661.11
Bk. of S. Abut.	282+71.09	661.15	282+70.74	661.09	282+71.44	661.08

**LOADING HL-93**  
Allow 50#/sq. ft. for future wearing surface.  
**DESIGN SPECIFICATIONS**  
2012 AASHTO LRFD Bridge Design Specifications, 6th Edition

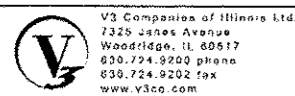
**DESIGN STRESSES**  
FIELD UNITS  
f'c = 3,500 psi  
fy = 60,000 psi (Reinforcement)  
fy = 50,000 psi (M270 Grade 50)

**SEISMIC DATA**  
Seismic Performance Zone (SPZ) = 1  
Design Spectral Acceleration at 1.0 sec. (S<sub>01</sub>) = 0.093g  
Design Spectral Acceleration at 0.2 sec. (S<sub>05</sub>) = 0.152g  
Soil Site Class = D



**LOCATION SKETCH**

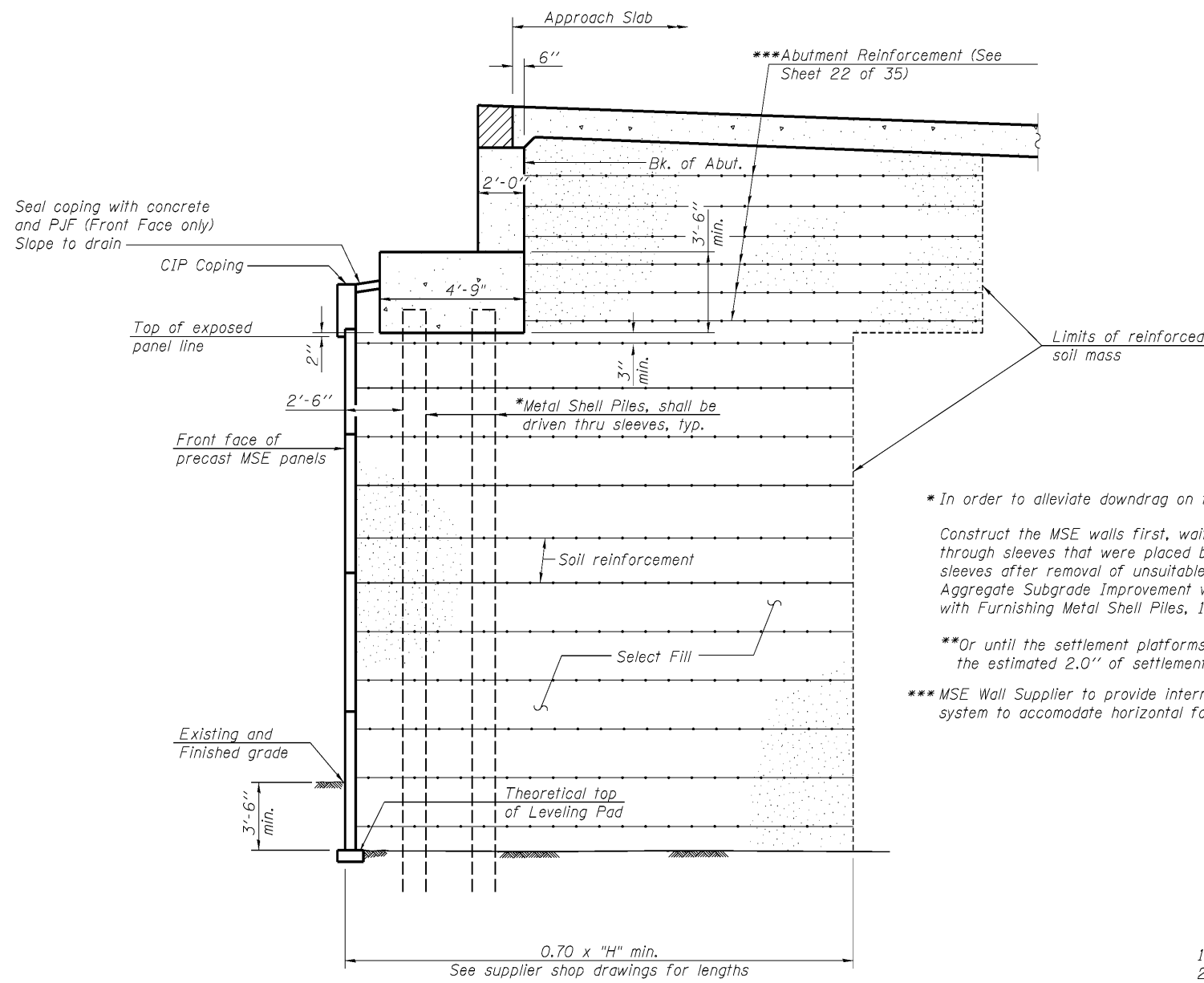
**GENERAL PLAN & ELEVATION**  
**US ROUTE 30 OVER**  
**THE CN RAILROAD**  
F.A.P. RTE. 353 - SEC. 11-Y-A  
COOK COUNTY  
STATION 282+05.51  
STRUCTURE NO. 016-1350



USER NAME	DESIGNED - WJV	REVISIONS
PLLOT SCALE	CHECKED - CJB	REVISIONS
PLLOT DATE	DRAWN - WJV	REVISIONS
	CHECKED - CJB	REVISIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	186
SHEET NO. 1 OF 35 SHEETS			CONTRACT NO. 60R19	



**TYPICAL SECTION THRU ABUTMENT**  
(Horiz. dim. @ Rt. L's)

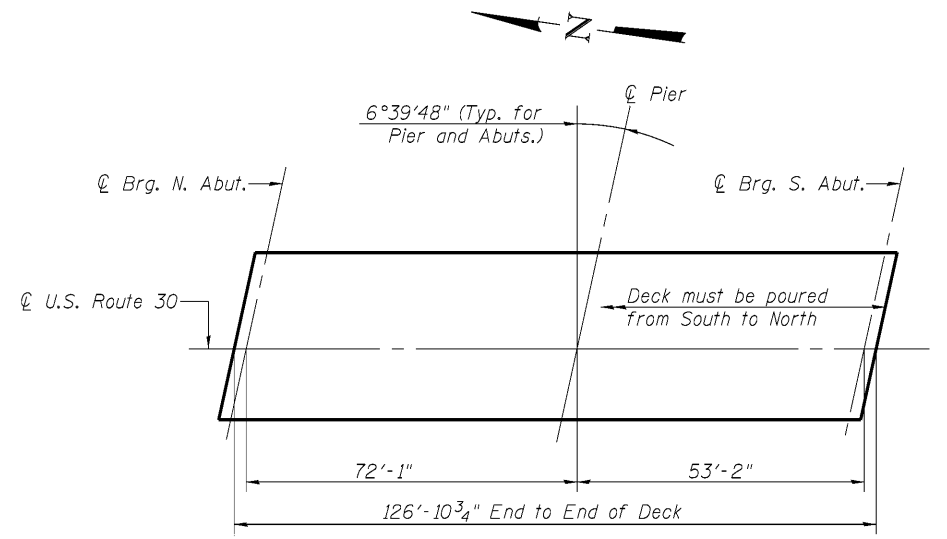
\* In order to alleviate downdrag on the piles, the Contractor shall:  
Construct the MSE walls first, wait \*\*6 months, and then drive piles through sleeves that were placed before MSE wall construction. Place sleeves after removal of unsuitable material and before backfilling with Aggregate Subgrade Improvement where this is necessary. Cost included with Furnishing Metal Shell Piles, 14" φ x 0.25".

\*\*Or until the settlement platforms for the MSE walls indicate that 1.6" of the estimated 2.0" of settlement has occurred at the abutment.

\*\*\*MSE Wall Supplier to provide internal stability design for load transfer system to accommodate horizontal forces from abutment

**INDEX OF SHEETS**

1	General Plan and Elevation
2	General Notes, Index of Sheets and Total Bill of Material
3	Top of Slab Elevations - I
4	Top of Slab Elevations - II
5	Top of Slab Elevations - III
6	Top of North Approach Slab Elevations
7	Top of South Approach Slab Elevations
8	Superstructure
9	Superstructure Details - I
10	Superstructure Details - II
11	North Approach Slab
12	South Approach Slab
13	Approach Slab Details
14	Bridge Fence Railing, Sidewalk Mounted
15	Bicycle Railing
16	Preformed Joint Strip Seal
17	Framing Plan and Elevation
18	Structural Steel Details
19	Bearing Details
20	North Abutment
21	South Abutment
22	Abutment Details
23	Pier
24	Metal Shell Pile Details
25	Bar Splicer Assembly and Mechanical Splicer Details
26-35	Soil Boring Logs



**DECK POURING SEQUENCE**

**GENERAL NOTES**

Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts. Bolts 7/8 in. φ, holes 1 1/8 in. φ, unless otherwise noted.  
Calculated weight of Structural Steel: AASHTO M270 Grade 50 = 257,950 lbs.  
AASHTO M270 Grade 36 = 25,030 lbs.

No field welding is permitted except as specified in the contract documents. Reinforcement bars designated (E) shall be epoxy coated. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings. Concrete Sealer shall be applied to the backwalls, bridge seats and front face of the pile caps of the abutments. The Inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all interior steel surfaces shall be gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be reddish brown, Munsell No. 2.5YR 3/4. Slipforming of the parapets is not allowed.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Structure Excavation	Cu. Yd.		154	154
Concrete Structures	Cu. Yd.		349.2	349.2
Concrete Superstructure	Cu. Yd.	553.4		553.4
Bridge Deck Grooving	Sq. Yd.	1,146		1,146
Protective Coat	Sq. Yd.	1,794		1,794
Furnishing and Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	6,435		6,435
Reinforcement Bars, Epoxy Coated	Pound	125,950	43,790	169,740
Bar Splicers	Each	158		158
Bridge Fence Railing (Sidewalk)	Foot	98		98
Bicycle Railing	Foot	58		58
Parapet Railing	Foot	156		156
Furnishing Metal Shell Piles, 14" x 0.25"	Foot		3,058	3,058
Driving Piles	Foot		3,058	3,058
Test Pile, Metal Shells	Each		3	3
Name Plates	Each	1		1
Preformed Joint Strip Seal	Foot	162		162
Elastomeric Bearing Assembly, Type I	Each	26		26
Anchor Bolt, 1"	Each	78		78
Concrete Sealer	Sq. Ft.		1,332	1,332
Temporary Sheet Piling	Sq. Ft.		675	675

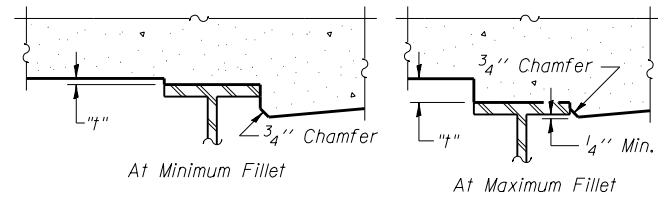


USER NAME =	DESIGNED - WJV	REVISED -
CHECKED - CJB	REVISED -	
PLOT SCALE =	DRAWN - WJV	REVISED -
PLOT DATE =	CHECKED - CJB	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

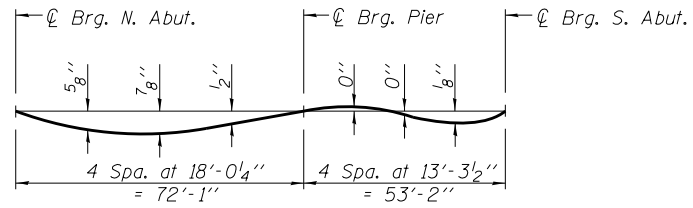
**GENERAL NOTES, INDEX OF SHEETS AND TOTAL BILL OF MATERIAL  
STRUCTURE NO. 016-1350  
SHEET NO. 2 OF 35 SHEETS**

F.A.P. RTE. 353	SECTION 11-Y-A	COUNTY COOK	TOTAL SHEETS 354	SHEET NO. 187
			CONTRACT NO. 60R19	
ILLINOIS FED. AID PROJECT				



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams should be taken at intervals shown on sheets 4 and 5 of 35. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" as shown on sheets 4 and 5 of 35, minus slab thickness, equals the fillet heights "t" above top flange of beams.

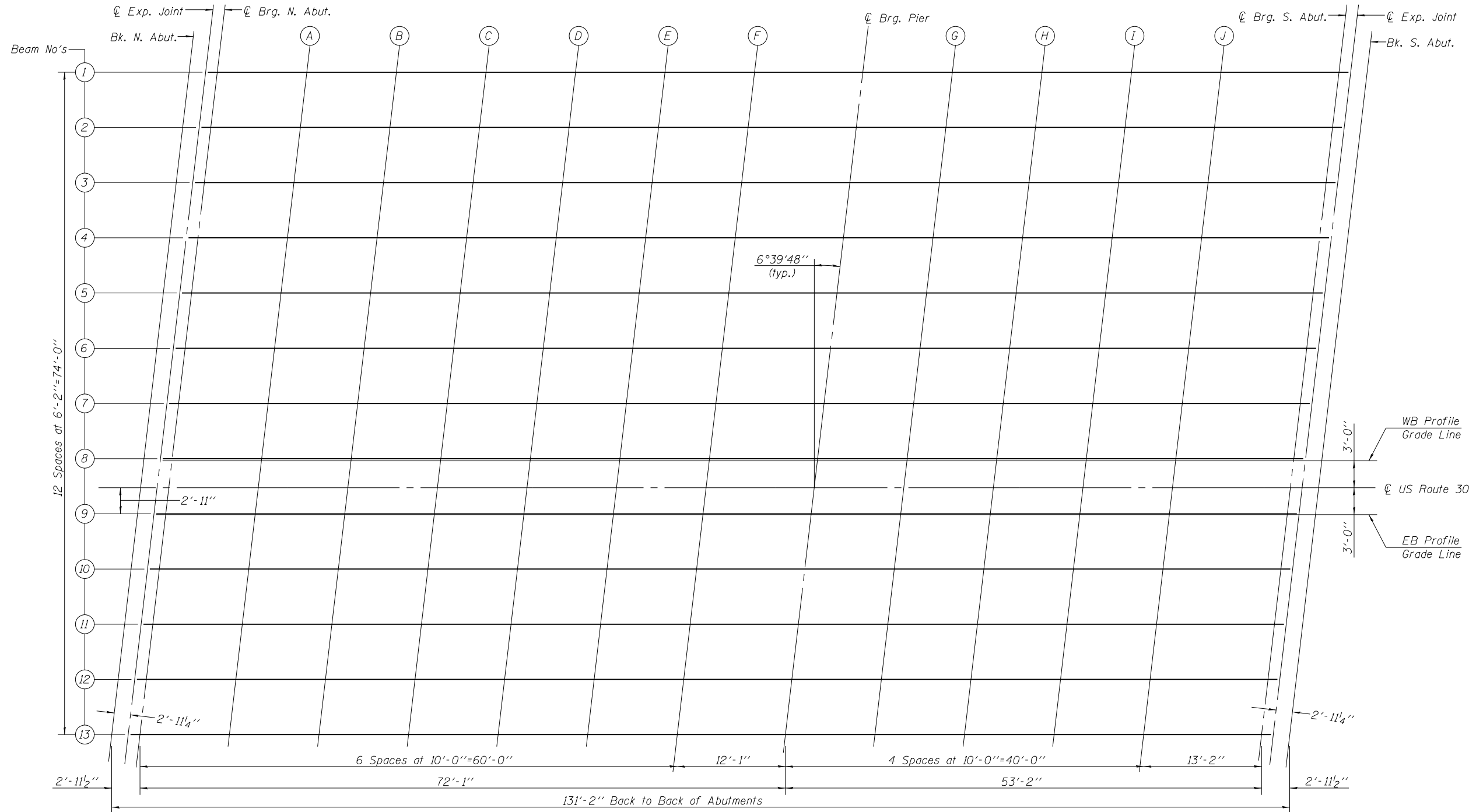
**FILLET HEIGHTS**



**DEAD LOAD DEFLECTION DIAGRAM**

(Includes weight of concrete only.)

Note: The above deflections are not to be used in the field if the engineer is working from the "Theoretical Grade Elevations Adjusted for Dead Load Deflections" as shown on sheets 4 and 5 of 35.



**DECK ELEVATION PLAN**



USER NAME =	DESIGNED - WJV	REVISED
	CHECKED - CJB	REVISED
PLOT SCALE =	DRAWN - WJV	REVISED
PLOT DATE =	CHECKED - CJB	REVISED

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS - I  
STRUCTURE NO. 016-1350  
SHEET NO. 3 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	188
CONTRACT NO. 60R19				

ILLINOIS FED. AID PROJECT

BEAM 1					BEAM 2					BEAM 3					BEAM 4				
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection	Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection	Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection	Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	281+45.35	-46.42	660.64	660.64	Bk. N. Abut.	281+44.63	-40.25	660.50	660.50	Bk. N. Abut.	281+43.91	-34.08	660.37	660.37	Bk. N. Abut.	281+43.19	-27.92	660.45	660.45
Exp. Joint	281+47.00	-46.42	660.66	660.66	Exp. Joint	281+46.70	-40.25	660.52	660.52	Exp. Joint	281+45.98	-34.08	660.39	660.39	Exp. Joint	281+45.26	-27.92	660.47	660.47
Brg. N. Abut.	281+48.31	-46.42	660.67	660.67	Brg. N. Abut.	281+47.59	-40.25	660.53	660.53	Brg. N. Abut.	281+46.87	-34.08	660.40	660.40	Brg. N. Abut.	281+46.15	-27.92	660.47	660.47
A	281+58.31	-46.42	660.75	660.78	A	281+57.59	-40.25	660.62	660.65	A	281+56.87	-34.08	660.48	660.52	A	281+56.15	-27.92	660.56	660.59
B	281+68.31	-46.42	660.82	660.88	B	281+67.59	-40.25	660.69	660.75	B	281+66.87	-34.08	660.56	660.61	B	281+66.15	-27.92	660.64	660.69
C	281+78.31	-46.42	660.88	660.95	C	281+77.59	-40.25	660.75	660.82	C	281+76.87	-34.08	660.62	660.68	C	281+76.15	-27.92	660.70	660.76
D	281+88.31	-46.42	660.92	660.99	D	281+87.59	-40.25	660.79	660.86	D	281+86.87	-34.08	660.66	660.72	D	281+86.15	-27.92	660.74	660.81
E	281+98.31	-46.42	660.95	661.00	E	281+97.59	-40.25	660.82	660.87	E	281+96.87	-34.08	660.69	660.74	E	281+96.15	-27.92	660.77	660.82
F	282+08.31	-46.42	660.97	660.99	F	282+07.59	-40.25	660.84	660.86	F	282+06.87	-34.08	660.71	660.73	F	282+06.15	-27.92	660.79	660.81
Brg. Pier	282+20.39	-46.42	660.97	660.97	Brg. Pier	282+19.67	-40.25	660.84	660.84	Brg. Pier	282+18.95	-34.08	660.71	660.71	Brg. Pier	282+18.23	-27.92	660.79	660.79
G	282+30.39	-46.42	660.95	660.95	G	282+29.67	-40.25	660.82	660.82	G	282+28.95	-34.08	660.70	660.69	G	282+28.23	-27.92	660.78	660.78
H	282+40.39	-46.42	660.92	660.92	H	282+39.67	-40.25	660.79	660.80	H	282+38.95	-34.08	660.67	660.67	H	282+38.23	-27.92	660.75	660.76
I	282+50.39	-46.42	660.88	660.88	I	282+49.67	-40.25	660.75	660.76	I	282+48.95	-34.08	660.63	660.63	I	282+48.23	-27.92	660.71	660.72
J	282+60.39	-46.42	660.82	660.82	J	282+59.67	-40.25	660.69	660.70	J	282+58.95	-34.08	660.57	660.58	J	282+58.23	-27.92	660.66	660.66
Brg. S. Abut.	282+73.56	-46.42	660.72	660.72	Brg. S. Abut.	282+72.84	-40.25	660.60	660.60	Brg. S. Abut.	282+72.12	-34.08	660.48	660.48	Brg. S. Abut.	282+71.40	-27.92	660.56	660.56
Exp. Joint	282+74.44	-46.42	660.71	660.71	Exp. Joint	282+73.72	-40.25	660.59	660.59	Exp. Joint	282+73.00	-34.08	660.47	660.47	Exp. Joint	282+72.28	-27.92	660.56	660.56
Bk. S. Abut.	282+76.51	-46.42	660.70	660.70	Bk. S. Abut.	282+75.79	-40.25	660.57	660.57	Bk. S. Abut.	282+75.07	-34.08	660.45	660.45	Bk. S. Abut.	282+74.35	-27.92	660.54	660.54

BEAM 5					BEAM 6					BEAM 7					BEAM 8				
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection	Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection	Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection	Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	281+42.47	-21.75	660.57	660.57	Bk. N. Abut.	281+41.75	-15.58	660.69	660.69	Bk. N. Abut.	281+41.03	-9.42	660.81	660.81	Bk. N. Abut.	281+40.31	-3.25	660.93	660.93
Exp. Joint	281+44.54	-21.75	660.59	660.59	Exp. Joint	281+43.82	-15.58	660.71	660.71	Exp. Joint	281+43.10	-9.42	660.83	660.83	Exp. Joint	281+42.38	-3.25	660.95	660.95
Brg. N. Abut.	281+45.43	-21.75	660.60	660.60	Brg. N. Abut.	281+44.71	-15.58	660.72	660.72	Brg. N. Abut.	281+43.99	-9.42	660.84	660.84	Brg. N. Abut.	281+43.27	-3.25	660.96	660.96
A	281+55.43	-21.75	660.68	660.72	A	281+54.71	-15.58	660.81	660.84	A	281+53.99	-9.42	660.93	660.96	A	281+53.27	-3.25	661.05	661.08
B	281+65.43	-21.75	660.76	660.82	B	281+64.71	-15.58	660.88	660.94	B	281+63.99	-9.42	661.01	661.06	B	281+63.27	-3.25	661.13	661.19
C	281+75.43	-21.75	660.82	660.89	C	281+74.71	-15.58	660.94	661.01	C	281+73.99	-9.42	661.07	661.14	C	281+73.27	-3.25	661.19	661.26
D	281+85.43	-21.75	660.87	660.93	D	281+84.71	-15.58	660.99	661.06	D	281+83.99	-9.42	661.12	661.18	D	281+83.27	-3.25	661.24	661.31
E	281+95.43	-21.75	660.90	660.95	E	281+94.71	-15.58	661.03	661.07	E	281+93.99	-9.42	661.15	661.20	E	281+93.27	-3.25	661.28	661.33
F	282+05.43	-21.75	660.92	660.94	F	282+04.71	-15.58	661.05	661.07	F	282+03.99	-9.42	661.17	661.20	F	282+03.27	-3.25	661.30	661.32
Brg. Pier	282+17.51	-21.75	660.92	660.92	Brg. Pier	282+16.79	-15.58	661.05	661.05	Brg. Pier	282+16.07	-9.42	661.18	661.18	Brg. Pier	282+15.35	-3.25	661.31	661.31
G	282+27.51	-21.75	660.91	660.91	G	282+26.79	-15.58	661.04	661.04	G	282+26.07	-9.42	661.17	661.17	G	282+25.35	-3.25	661.30	661.30
H	282+37.51	-21.75	660.88	660.89	H	282+36.79	-15.58	661.02	661.02	H	282+36.07	-9.42	661.15	661.15	H	282+35.35	-3.25	661.28	661.28
I	282+47.51	-21.75	660.84	660.85	I	282+46.79	-15.58	660.98	660.98	I	282+46.07	-9.42	661.11	661.11	I	282+45.35	-3.25	661.24	661.25
J	282+57.51	-21.75	660.79	660.80	J	282+56.79	-15.58	660.92	660.93	J	282+56.07	-9.42	661.06	661.06	J	282+55.35	-3.25	661.19	661.20
Brg. S. Abut.	282+70.68	-21.75	660.70	660.70	Brg. S. Abut.	282+69.96	-15.58	660.83	660.83	Brg. S. Abut.	282+69.24	-9.42	660.97	660.97	Brg. S. Abut.	282+68.52	-3.25	661.10	661.10
Exp. Joint	282+71.56	-21.75	660.69	660.69	Exp. Joint	282+70.84	-15.58	660.83	660.83	Exp. Joint	282+70.12	-9.42	660.96	660.96	Exp. Joint	282+69.40	-3.25	661.09	661.09
Bk. S. Abut.	282+73.63	-21.75	660.67	660.67	Bk. S. Abut.	282+72.91	-15.58	660.81	660.81	Bk. S. Abut.	282+72.19	-9.42	660.94	660.94	Bk. S. Abut.	282+71.47	-3.25	661.08	661.08

**WB PROFILE GRADE LINE**

**☉ US ROUTE 30**

**BEAM 9**

**EB PROFILE GRADE LINE**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection	Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection	Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection	Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	281+40.28	-3.00	660.93	660.93	Bk. N. Abut.	281+39.93	0.00	660.99	660.99	Bk. N. Abut.	281+39.59	2.92	660.93	660.93	Bk. N. Abut.	281+39.58	3.00	660.93	660.93
☉ Exp. Joint	281+42.35	-3.00	660.96	660.96	☉ Exp. Joint	281+42.00	0.00	661.02	661.02	☉ Exp. Joint	281+41.66	2.92	660.95	660.95	☉ Exp. Joint	281+41.65	3.00	660.95	660.95
☉ Brg. N. Abut.	281+43.24	-3.00	660.96	660.96	☉ Brg. N. Abut.	281+42.89	0.00	661.02	661.02	☉ Brg. N. Abut.	281+42.55	2.92	660.96	660.96	☉ Brg. N. Abut.	281+42.54	3.00	660.96	660.96
A	281+53.24	-3.00	661.06	661.09	A	281+52.89	0.00	661.12	661.15	A	281+52.55	2.92	661.05	661.08	A	281+52.54	3.00	661.05	661.08
B	281+63.24	-3.00	661.13	661.19	B	281+62.89	0.00	661.19	661.25	B	281+62.55	2.92	661.13	661.19	B	281+62.54	3.00	661.13	661.19
C	281+73.24	-3.00	661.20	661.27	C	281+72.89	0.00	661.26	661.33	C	281+72.55	2.92	661.20	661.26	C	281+72.54	3.00	661.19	661.26
D	281+83.24	-3.00	661.25	661.31	D	281+82.89	0.00	661.31	661.37	D	281+82.55	2.92	661.25	661.31	D	281+82.54	3.00	661.25	661.31
E	281+93.24	-3.00	661.28	661.33	E	281+92.89	0.00	661.35	661.39	E	281+92.55	2.92	661.28	661.33	E	281+92.54	3.00	661.28	661.33
F	282+03.24	-3.00	661.31	661.33	F	282+02.89	0.00	661.37	661.39	F	282+02.55	2.92	661.31	661.33	F	282+02.54	3.00	661.31	661.33
☉ Brg. Pier	282+15.32	-3.00	661.31	661.31	☉ Brg. Pier	282+14.97	0.00	661.38	661.38	☉ Brg. Pier	282+14.63	2.92	661.32	661.32	☉ Brg. Pier	282+14.62	3.00	661.31	661.31
G	282+25.32	-3.00	661.31	661.30	G	282+24.97	0.00	661.37	661.36	G	282+24.63	2.92	661.31	661.30	G	282+24.62	3.00	661.31	661.30
H	282+35.32	-3.00	661.28	661.28	H	282+34.97	0.00	661.35	661.35	H	282+34.63	2.92	661.29	661.29	H	282+34.62	3.00	661.28	661.28
I	282+45.32	-3.00	661.25	661.25	I	282+44.97	0.00	661.31	661.31	I	282+44.63	2.92	661.25	661.26	I	282+44.62	3.00	661.25	661.25
J	282+55.32	-3.00	661.19	661.20	J	282+54.97	0.00	661.26	661.26	J	282+54.63	2.92	661.20	661.21	J	282+54.62	3.00	661.20	661.20
☉ Brg. S. Abut.	282+68.49	-3.00	661.11	661.11	☉ Brg. S. Abut.	282+68.14	0.00	661.17	661.17	☉ Brg. S. Abut.	282+67.80	2.92	661.11	661.11	☉ Brg. S. Abut.	282+67.79	3.00	661.11	661.11
☉ Exp. Joint	282+69.37	-3.00	661.10	661.10	☉ Exp. Joint	282+69.02	0.00	661.16	661.16	☉ Exp. Joint	282+68.68	2.92	661.11	661.11	☉ Exp. Joint	282+68.67	3.00	661.10	661.10
Bk. S. Abut.	282+71.44	-3.00	661.08	661.08	Bk. S. Abut.	282+71.09	0.00	661.15	661.15	Bk. S. Abut.	282+70.75	2.92	661.09	661.09	Bk. S. Abut.	282+70.74	3.00	661.09	661.09

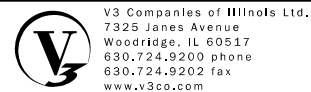
**BEAM 10**

**BEAM 11**

**BEAM 12**

**BEAM 13**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection	Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection	Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection	Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. N. Abut.	281+38.87	9.08	660.79	660.79	Bk. N. Abut.	281+38.15	15.25	660.66	660.66	Bk. N. Abut.	281+37.43	21.42	660.52	660.52	Bk. N. Abut.	281+36.71	27.58	660.39	660.39
☉ Exp. Joint	281+40.94	9.08	660.82	660.82	☉ Exp. Joint	281+40.22	15.25	660.68	660.68	☉ Exp. Joint	281+39.50	21.42	660.54	660.54	☉ Exp. Joint	281+38.78	27.58	660.41	660.41
☉ Brg. N. Abut.	281+41.83	9.08	660.82	660.82	☉ Brg. N. Abut.	281+41.11	15.25	660.69	660.69	☉ Brg. N. Abut.	281+40.39	21.42	660.55	660.55	☉ Brg. N. Abut.	281+39.67	27.58	660.42	660.42
A	281+51.83	9.08	660.92	660.95	A	281+51.11	15.25	660.78	660.82	A	281+50.39	21.42	660.65	660.68	A	281+49.67	27.58	660.51	660.55
B	281+61.83	9.08	661.00	661.05	B	281+61.11	15.25	660.86	660.92	B	281+60.39	21.42	660.73	660.79	B	281+59.67	27.58	660.60	660.65
C	281+71.83	9.08	661.06	661.13	C	281+71.11	15.25	660.93	661.00	C	281+70.39	21.42	660.80	660.87	C	281+69.67	27.58	660.67	660.73
D	281+81.83	9.08	661.12	661.18	D	281+81.11	15.25	660.98	661.05	D	281+80.39	21.42	660.85	660.92	D	281+79.67	27.58	660.72	660.78
E	281+91.83	9.08	661.15	661.20	E	281+91.11	15.25	661.02	661.07	E	281+90.39	21.42	660.89	660.94	E	281+89.67	27.58	660.76	660.81
F	282+01.83	9.08	661.18	661.20	F	282+01.11	15.25	661.05	661.07	F	282+00.39	21.42	660.92	660.94	F	281+99.67	27.58	660.79	660.81
☉ Brg. Pier	282+13.91	9.08	661.19	661.19	☉ Brg. Pier	282+13.19	15.25	661.06	661.06	☉ Brg. Pier	282+12.47	21.42	660.93	660.93	☉ Brg. Pier	282+11.75	27.58	660.80	660.80
G	282+23.91	9.08	661.18	661.18	G	282+23.19	15.25	661.05	661.05	G	282+22.47	21.42	660.93	660.92	G	282+21.75	27.58	660.80	660.79
H	282+33.91	9.08	661.16	661.16	H	282+33.19	15.25	661.03	661.03	H	282+32.47	21.42	660.91	660.91	H	282+31.75	27.58	660.78	660.78
I	282+43.91	9.08	661.12	661.13	I	282+43.19	15.25	661.00	661.00	I	282+42.47	21.42	660.87	660.88	I	282+41.75	27.58	660.75	660.75
J	282+53.91	9.08	661.08	661.08	J	282+53.19	15.25	660.95	660.96	J	282+52.47	21.42	660.83	660.83	J	282+51.75	27.58	660.70	660.71
☉ Brg. S. Abut.	282+67.08	9.08	660.99	660.99	☉ Brg. S. Abut.	282+66.36	15.25	660.87	660.87	☉ Brg. S. Abut.	282+65.64	21.42	660.74	660.74	☉ Brg. S. Abut.	282+64.92	27.58	660.62	660.62
☉ Exp. Joint	282+67.96	9.08	660.98	660.98	☉ Exp. Joint	282+67.24	15.25	660.86	660.86	☉ Exp. Joint	282+66.52	21.42	660.74	660.74	☉ Exp. Joint	282+65.80	27.58	660.61	660.61
Bk. S. Abut.	282+70.03	9.08	660.97	660.97	Bk. S. Abut.	282+69.31	15.25	660.84	660.84	Bk. S. Abut.	282+68.59	21.42	660.72	660.72	Bk. S. Abut.	282+67.87	27.58	660.60	660.60



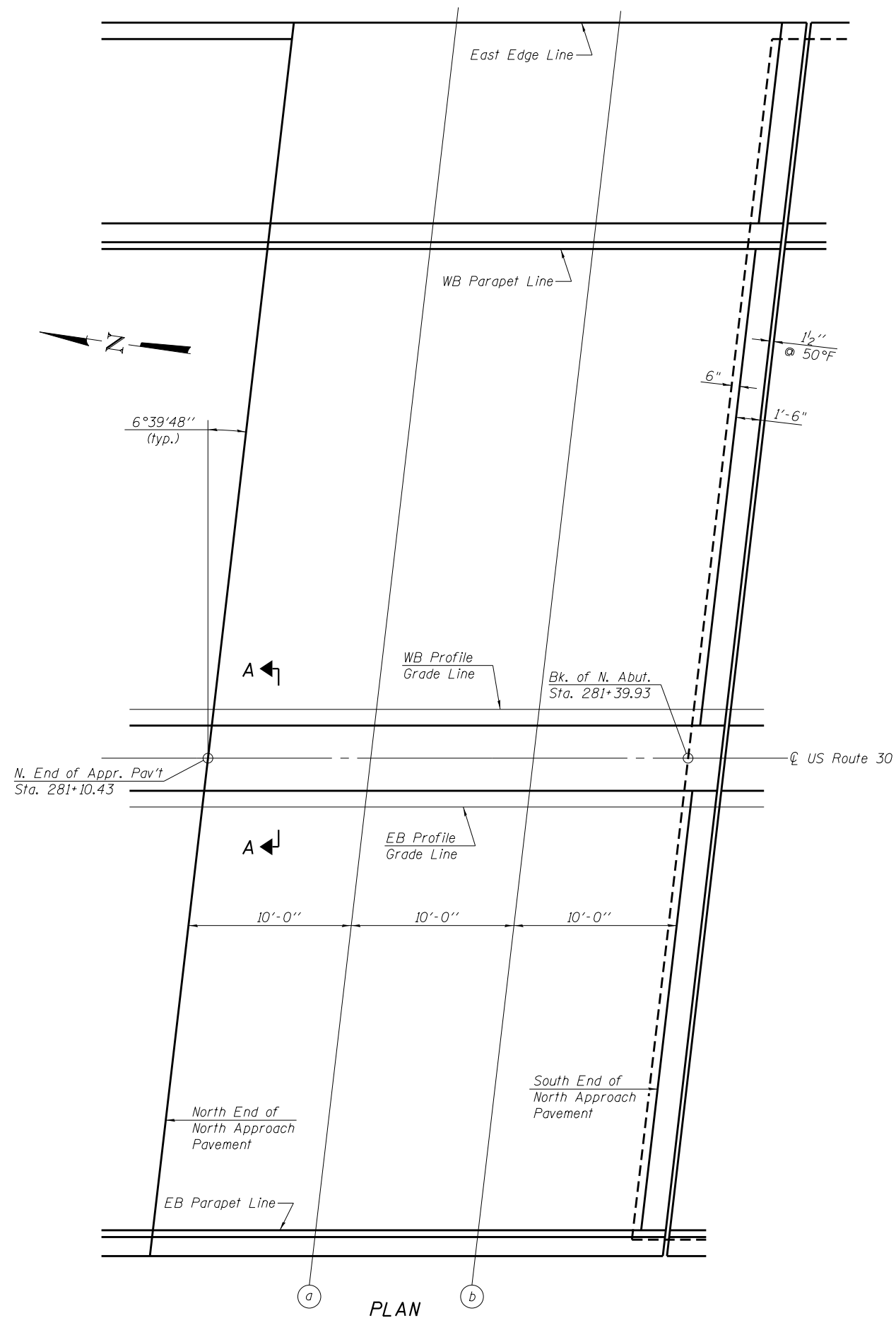
USER NAME =  
 DESIGNED - WJV  
 CHECKED - CJB  
 PLOT SCALE =  
 DRAWN - WJV  
 PLOT DATE =  
 CHECKED - CJB

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

**TOP OF SLAB ELEVATIONS - III**  
**STRUCTURE NO. 016-1350**

SHEET NO. 5 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	190
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				



**EAST EDGE LINE**

Location	Station	Offset	Theoretical Grade Elevations
North End N. Appr. Pav't.	281+16.17	-49.17	660.36
a	281+26.17	-49.17	660.49
b	281+36.17	-49.17	660.60
South End N. Appr. Pav't.	281+46.17	-49.17	660.71

**WB PARAPET LINE**

Location	Station	Offset	Theoretical Grade Elevations
North End N. Appr. Pav't.	281+14.28	-33.00	659.99
a	281+24.28	-33.00	660.13
b	281+34.28	-33.00	660.25
South End N. Appr. Pav't.	281+44.28	-33.00	660.35

**WB PROFILE GRADE LINE**

Location	Station	Offset	Theoretical Grade Elevations
North End N. Appr. Pav't.	281+10.78	-3.00	660.57
a	281+20.78	-3.00	660.71
b	281+30.78	-3.00	660.83
South End N. Appr. Pav't.	281+40.78	-3.00	660.94

**US ROUTE 30**

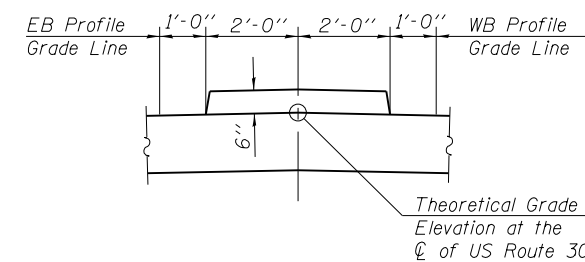
Location	Station	Offset	Theoretical Grade Elevations
North End N. Appr. Pav't.	281+10.43	0.00	660.63
a	281+20.43	0.00	660.77
b	281+30.43	0.00	660.89
South End N. Appr. Pav't.	281+40.43	0.00	661.00

**EB PROFILE GRADE LINE**

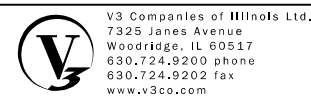
Location	Station	Offset	Theoretical Grade Elevations
North End N. Appr. Pav't.	281+10.08	3.00	660.56
a	281+20.08	3.00	660.70
b	281+30.08	3.00	660.82
South End N. Appr. Pav't.	281+40.08	3.00	660.93

**EB PARAPET LINE**

Location	Station	Offset	Theoretical Grade Elevations
North End N. Appr. Pav't.	281+07.04	29.00	659.97
a	281+17.04	29.00	660.12
b	281+27.04	29.00	660.24
South End N. Appr. Pav't.	281+37.04	29.00	660.36



**SECTION A-A**



USER NAME =	DESIGNED - WJV	REVISIONS
PLOT SCALE =	CHECKED - CJB	REVISIONS
PLOT DATE =	DRAWN - WJV	REVISIONS
	CHECKED - CJB	REVISIONS

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

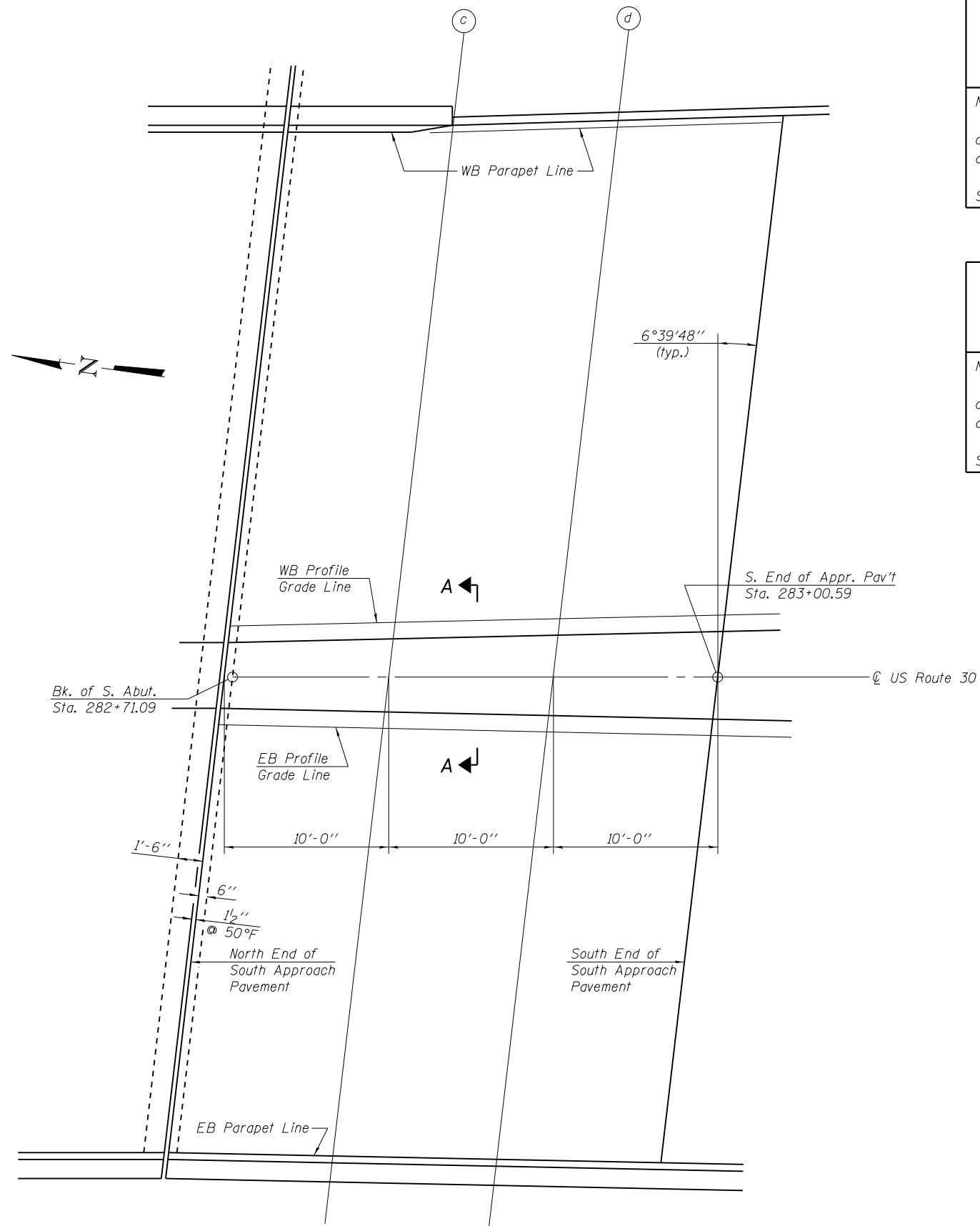
**TOP OF NORTH APPROACH SLAB ELEVATIONS  
STRUCTURE NO. 016-1350**

SHEET NO. 6 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	191
CONTRACT NO. 60R19				

ILLINOIS FED. AID PROJECT





PLAN

**WB PARAPET LINE**

Location	Station	Offset	Theoretical Grade Elevations
North End S. Appr. Pav't.	282+74.45	-33.00	660.43
c	282+84.45	-33.00	660.34
d	282+94.47	-33.17	660.24
South End S. Appr. Pav't.	283+04.49	-33.35	660.12

**WB PROFILE GRADE LINE**

Location	Station	Offset	Theoretical Grade Elevations
North End S. Appr. Pav't.	282+70.95	-3.01	661.09
c	282+80.97	-3.23	661.00
d	282+91.00	-3.46	660.89
South End S. Appr. Pav't.	283+01.02	-3.68	660.77

**☉ US ROUTE 30**

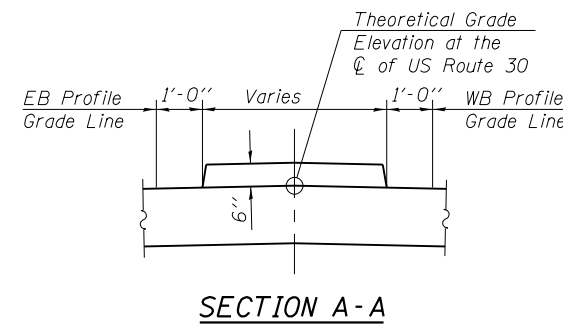
Location	Station	Offset	Theoretical Grade Elevations
North End S. Appr. Pav't.	282+70.59	0.00	661.15
c	282+80.59	0.00	661.07
d	282+90.59	0.00	660.97
South End S. Appr. Pav't.	283+00.59	0.00	660.85

**EB PROFILE GRADE LINE**

Location	Station	Offset	Theoretical Grade Elevations
North End S. Appr. Pav't.	282+70.24	3.00	661.09
c	282+80.22	3.22	661.00
d	282+90.20	3.44	660.90
South End S. Appr. Pav't.	283+00.17	3.66	660.78

**EB PARAPET LINE**

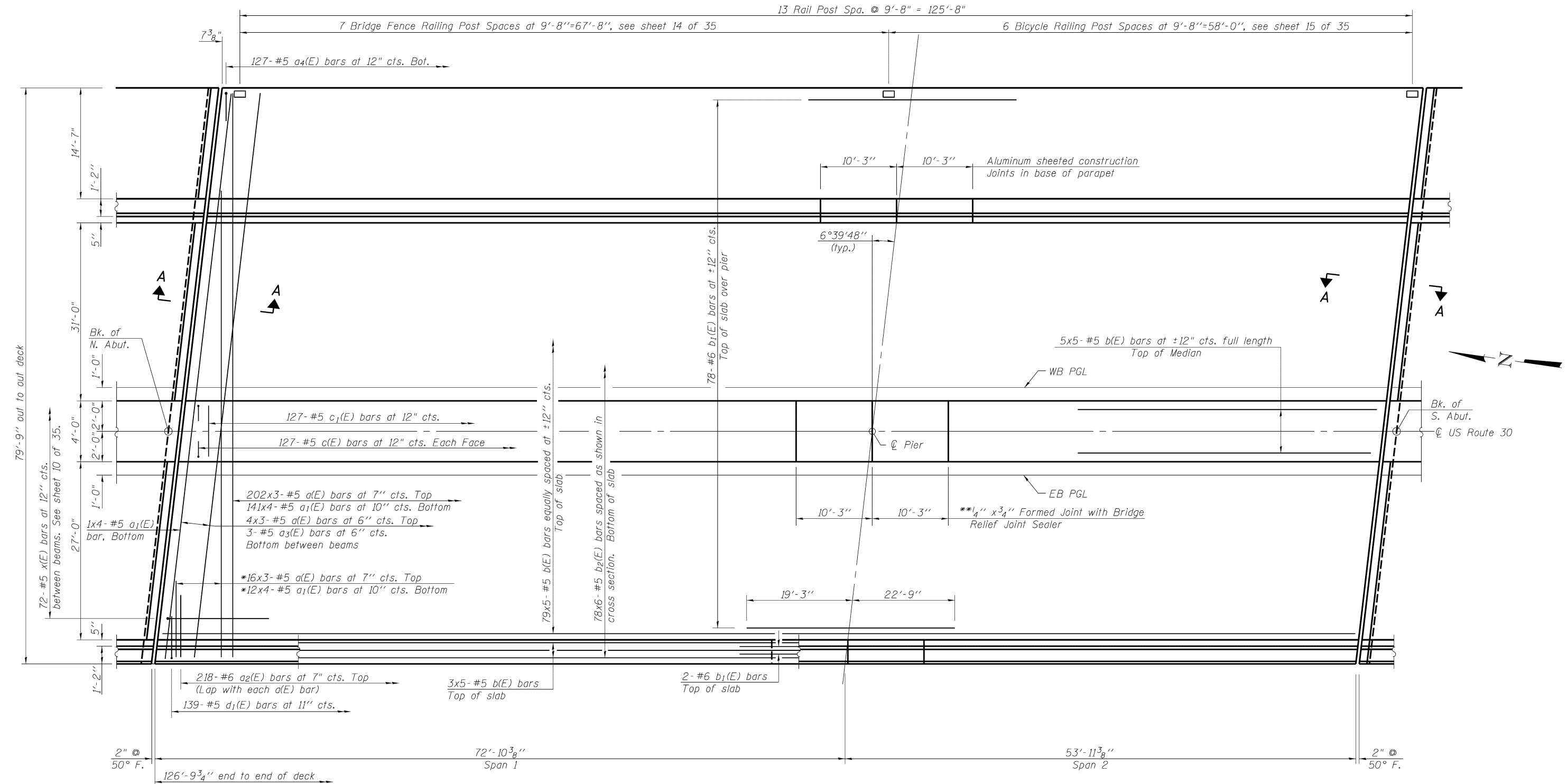
Location	Station	Offset	Theoretical Grade Elevations
North End S. Appr. Pav't.	282+67.21	29.00	660.57
c	282+77.20	29.15	660.49
d	282+87.17	29.37	660.39
South End S. Appr. Pav't.	282+97.14	29.60	660.28



13 Rail Post Spa. @ 9'-8" = 125'-8"

7 Bridge Fence Railing Post Spaces at 9'-8"=67'-8", see sheet 14 of 35

6 Bicycle Railing Post Spaces at 9'-8"=58'-0", see sheet 15 of 35



DECK PLAN

**MINIMUM BAR LAP**  
#5 bar = 2'-7"

Notes:  
See Sheet 9 of 35 for cross section details.  
See Sheet 10 of 35 for Section A-A, parapet reinforcement, superstructure details, bar details and Bill of Material.  
See Sheet 14 of 35 for Bridge Fence Railing Details.  
See Sheet 15 of 35 for Bicycle Railing Details.  
Bars indicated thus 212x3-#5 etc. indicates 212 lines of bars with 3 lengths per line.  
Space reinforcement to miss Bridge Fence Railing anchor bolts.  
See sheet 2 of 35 for required Deck Pour Sequence.  
Dimensions are based on a rolled rail strip seal joint.  
If the Contractor elects to use the welded rail strip seal joint, deck dimensions may require adjustments to satisfy the details on sheet 16 of 35.

\*Order a(E) & a1(E) bars full length.  
Cut to fit skew and use remainder of bars in opposite end.  
\*\*Full width along joint - backer rod not required.



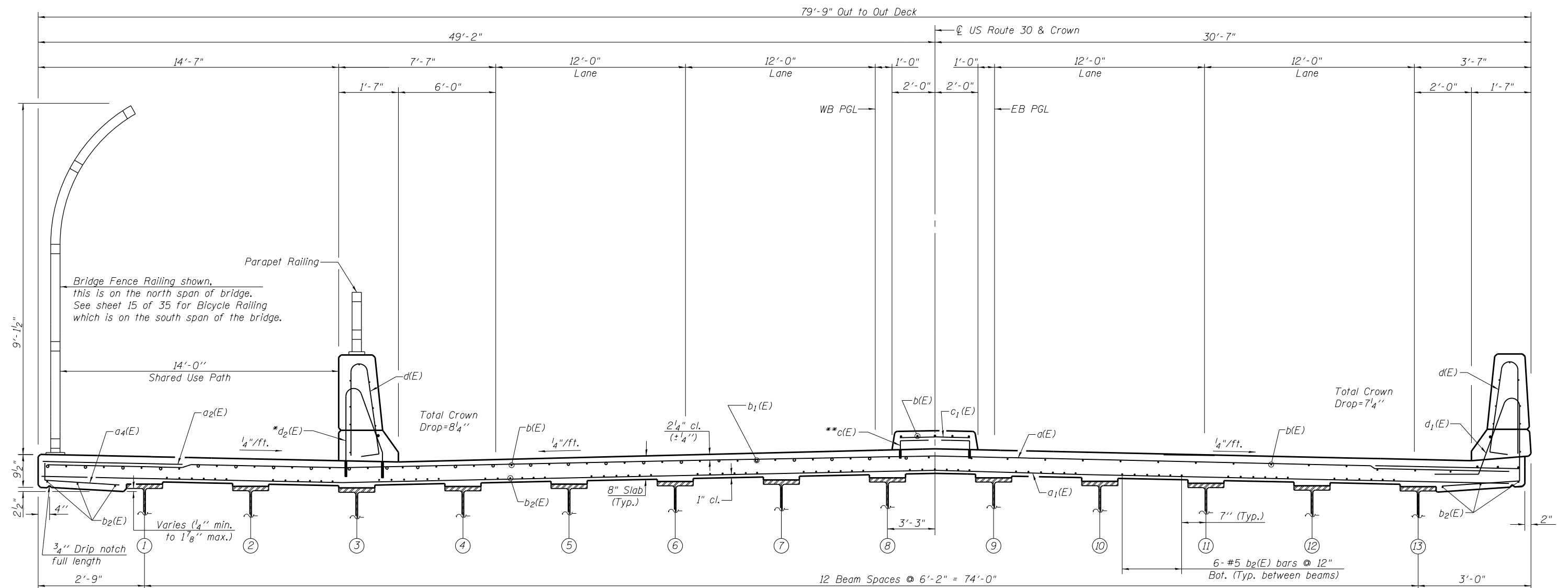
USER NAME =	DESIGNED - WJV	REVISED -
PLOT SCALE =	CHECKED - CJB	REVISED -
PLOT DATE =	DRAWN - WJV	REVISED -
	CHECKED - CJB	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE  
STRUCTURE NO. 016-1350  
SHEET NO. 8 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	193
CONTRACT NO. 60R19				

ILLINOIS FED. AID PROJECT



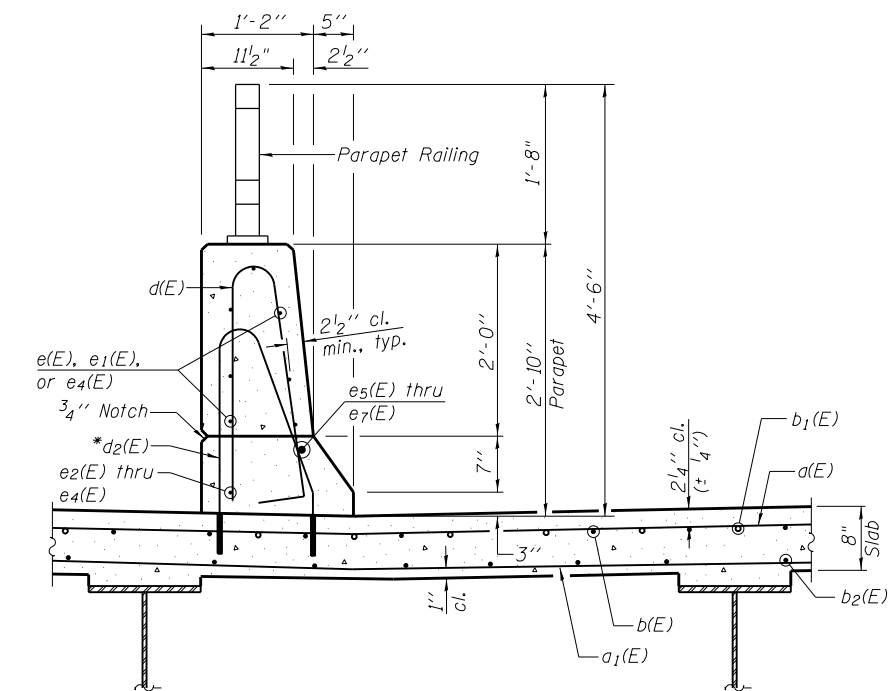
NEAR PIER

NEAR MIDSPAN

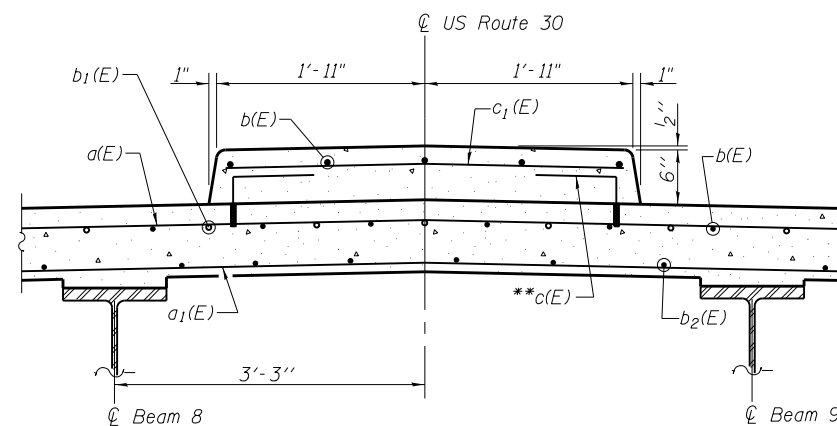
**CROSS SECTION**  
(Looking South)

\*Drill and set #5 d<sub>2</sub>(E) bar according to Section 584 of the Standard Specifications. Drilled holes shall be roughened or scored per manufacturer's recommendations. Maximum depth of hole shall not exceed 6". Cost included with Reinforcement Bars, Epoxy Coated.

\*\*c(E) bar connected to 3/4" φ Galvanized expansion anchor or Ferrule Lupe Slab Insert (Proof Load 6600 lb). Cost included with Reinforcement Bars, Epoxy Coated.



**SECTION THRU EAST PARAPET**  
(Looking South)



**SECTION THRU MEDIAN**  
(Looking South)



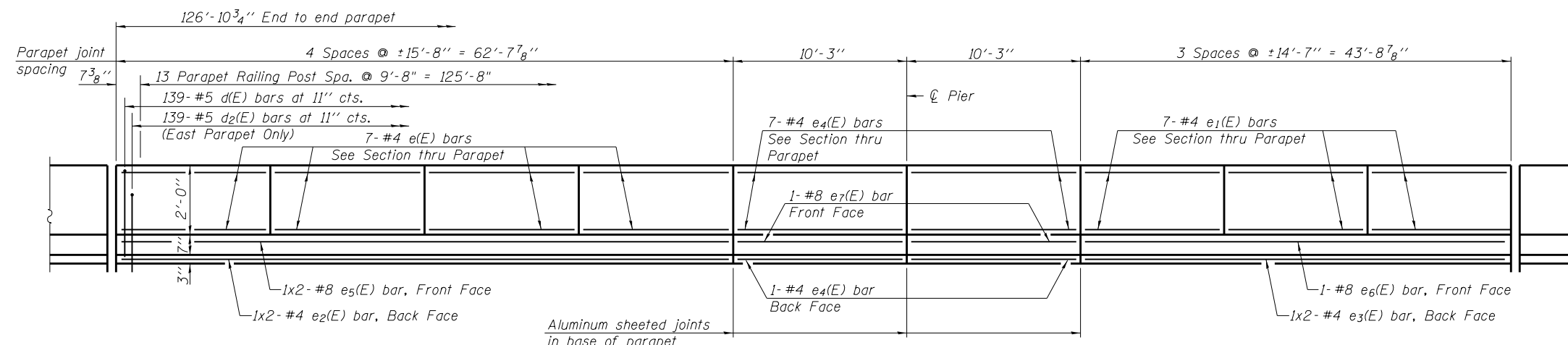
USER NAME =	DESIGNED - WJV	REVISED
PLOT SCALE =	CHECKED - CJB	REVISED
PLOT DATE =	DRAWN - WJV	REVISED
	CHECKED - CJB	REVISED

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS - I  
STRUCTURE NO. 016-1350  
SHEET NO. 9 OF 35 SHEETS

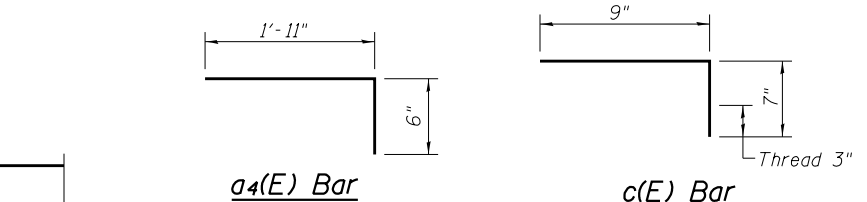
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	194
CONTRACT NO. 60R19				

ILLINOIS FED. AID PROJECT



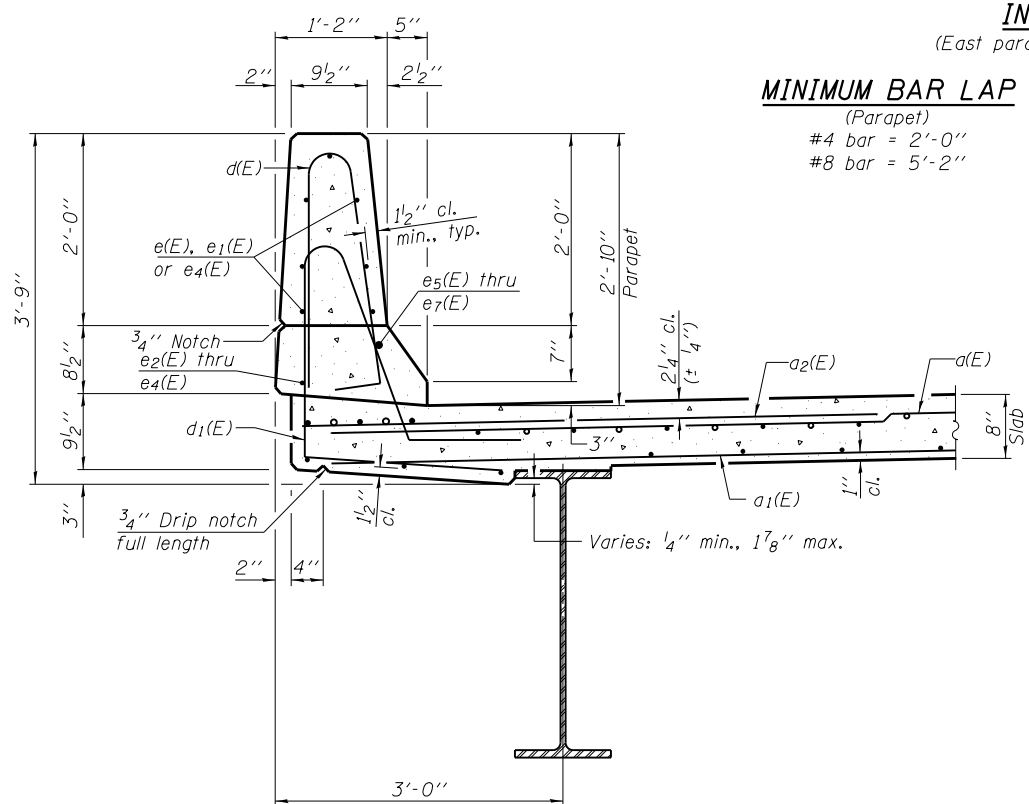
**INSIDE ELEVATION OF PARAPET**

(East parapet shown, west parapet similar but opposite hand)



**MINIMUM BAR LAP**

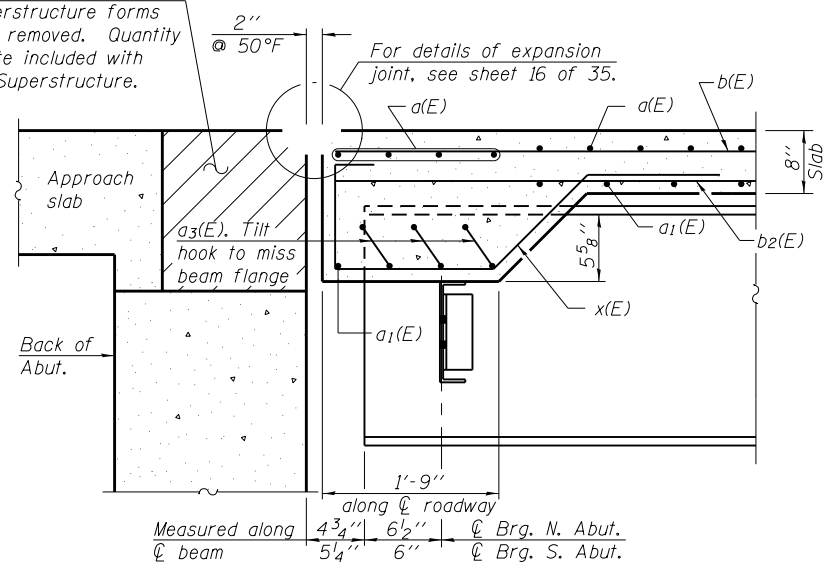
(Parapet)  
 #4 bar = 2'-0"  
 #8 bar = 5'-2"



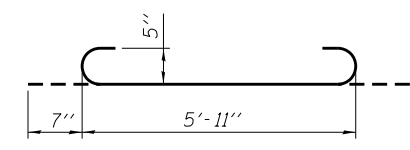
**SECTION THRU WEST PARAPET**

(Looking North)

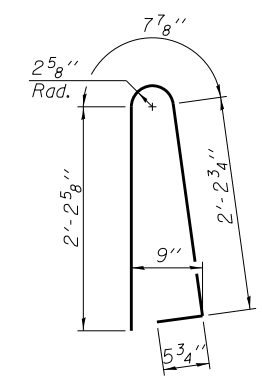
Hatched area to be poured after superstructure forms have been removed. Quantity of concrete included with Concrete Superstructure.



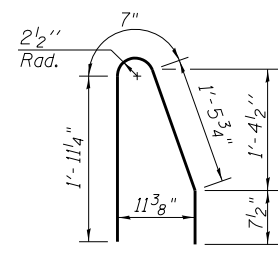
**SECTION A-A**



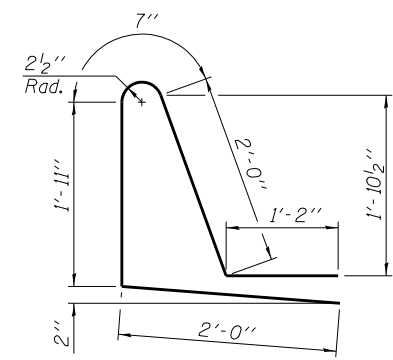
**a3(E) BAR**



**BAR d(E)**



**BAR d2(E)**

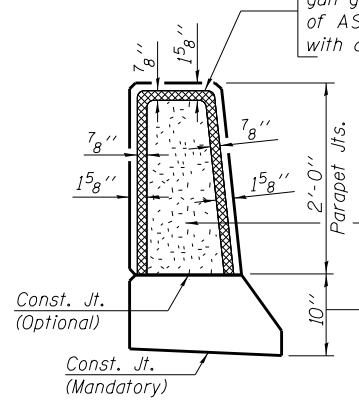


**BAR d1(E)**

**SUPERSTRUCTURE BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a(E)	678	#5	28'-2"	—
a1(E)	620	#5	21'-9"	—
a2(E)	436	#6	6'-6"	—
a3(E)	72	#5	7'-1"	—
a4(E)	127	#5	2'-5"	—
b(E)	435	#5	27'-5"	—
b1(E)	80	#6	42'-0"	—
b2(E)	468	#5	23'-3"	—
c(E)	254	#5	1'-4"	—
c1(E)	127	#5	3'-7"	—
d(E)	278	#5	5'-7"	—
d1(E)	139	#5	7'-8"	—
d2(E)	139	#5	4'-8"	—
e(E)	56	#4	15'-4"	—
e1(E)	42	#4	14'-3"	—
e2(E)	4	#4	32'-2"	—
e3(E)	4	#4	22'-9"	—
e4(E)	32	#4	9'-11"	—
e5(E)	4	#8	33'-9"	—
e6(E)	2	#8	43'-4"	—
e7(E)	4	#8	9'-11"	—
x(E)	144	#5	6'-5"	—
Reinforcement Bars, Epoxy Coated		Pound	75,160	
Concrete Superstructure		Cu. Yds.	304.4	
Bridge Deck Grooving		Sq. Yd.	761	
Protective Coat		Sq. Yd.	1243	

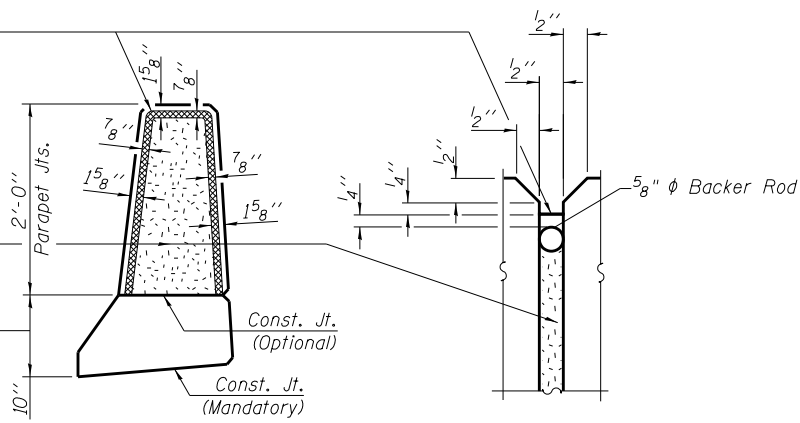
Non-staining gray one component non-sag elastomeric gun grade polyurethane sealant meeting the requirements of ASTM C-920, Type S, Grade NS, Class 25, use T with a 5/8" backer rod.



**EAST PARAPET JOINT DETAILS**

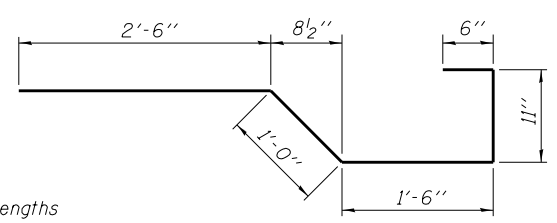
1/2" Preformed Self-Expanding Cork Joint Filler according to Article 1051.07 of the Std. Spec. Cost included with Concrete Superstructure.

Const. Jts. at Piers 1/8" Aluminum sheet ASTM B 209 alloy 3003-H14 coated to minimize reaction with wet concrete. Cost included with Concrete Superstructure

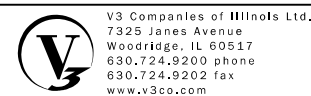


**WEST PARAPET JOINT DETAILS**

Notes:  
 See Sheet 14 of 35 for Parapet Railing Details.  
 Bars indicated thus 1x3-#4 etc. indicates 1 line of bars with 3 lengths per line.  
 Space reinforcement to miss parapet railing anchor bolts.



**BAR x(E)**



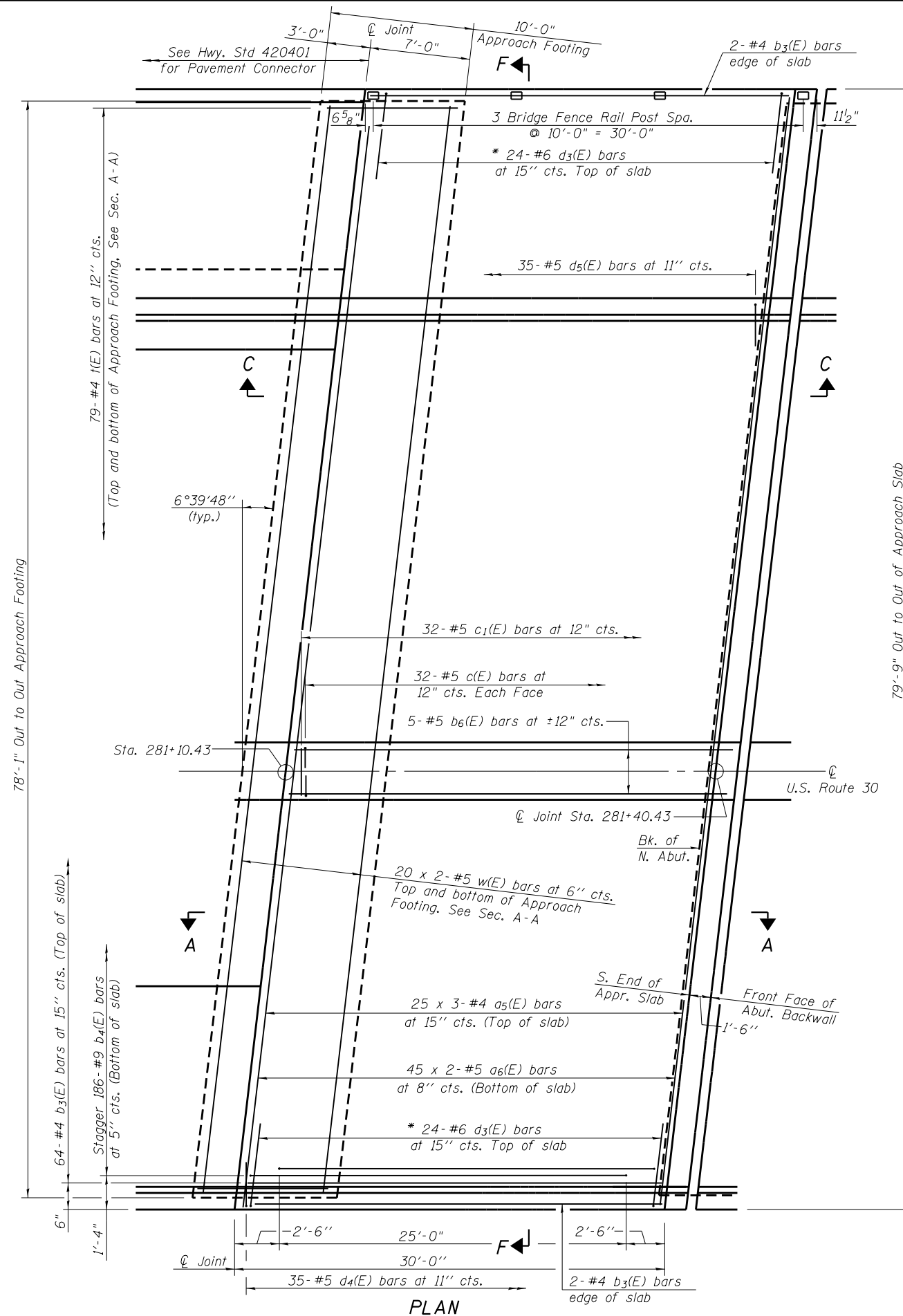
USER NAME =	DESIGNED - WJV	REVISIONS
PLOT SCALE =	CHECKED - CJB	REVISIONS
PLOT DATE =	DRAWN - WJV	REVISIONS
	CHECKED - CJB	REVISIONS

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE DETAILS - II  
 STRUCTURE NO. 016-1350  
 SHEET NO. 10 OF 35 SHEETS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	195
				CONTRACT NO. 60R19

ILLINOIS FED. AID PROJECT

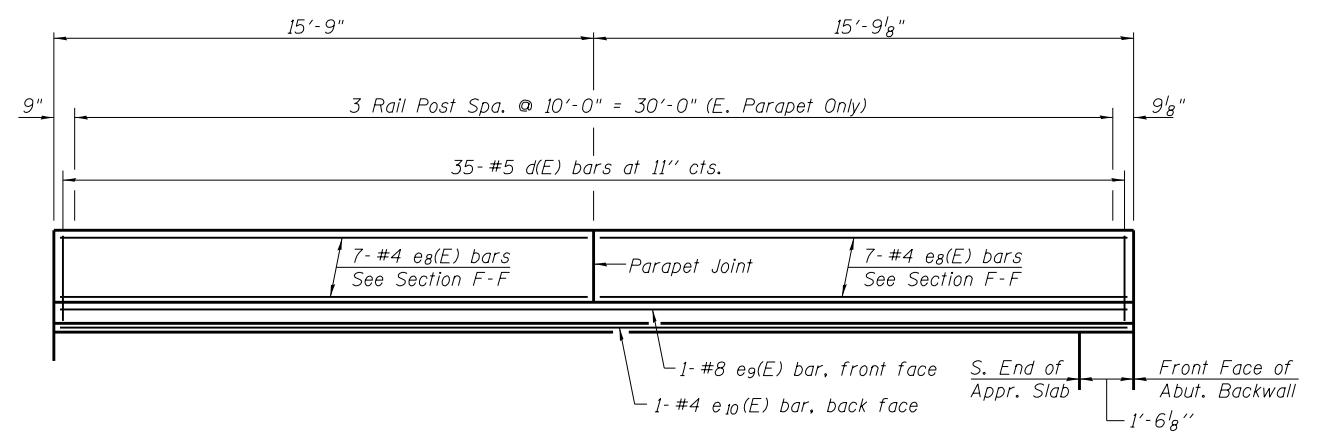


Notes:  
 See sheet 13 of 35 for Sections A-A & F-F.  
 a<sub>5</sub>(E) and a<sub>6</sub>(E) bar spacings measured along  $\bar{C}$  Rdwy.  
 See sheet 10 of 35 for Parapet Joint Details.  
 See sheet 14 of 35 for Parapet Railing Details and Bridge Fence Railing Details.

\* Space between a<sub>5</sub>(E) bars.

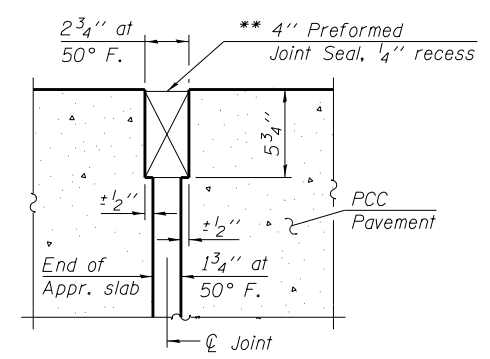
**MINIMUM BAR LAP**

- #4 bar = 2'-7"
- #5 bar = 3'-3"

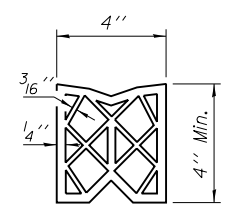


**VIEW C-C**  
 (W. Parapet Similar but opposite hand)

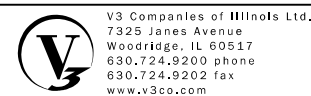
\*\* Cost included with Concrete Superstructure.



**RIGID PAVEMENT**



**PREFORMED JOINT SEAL**



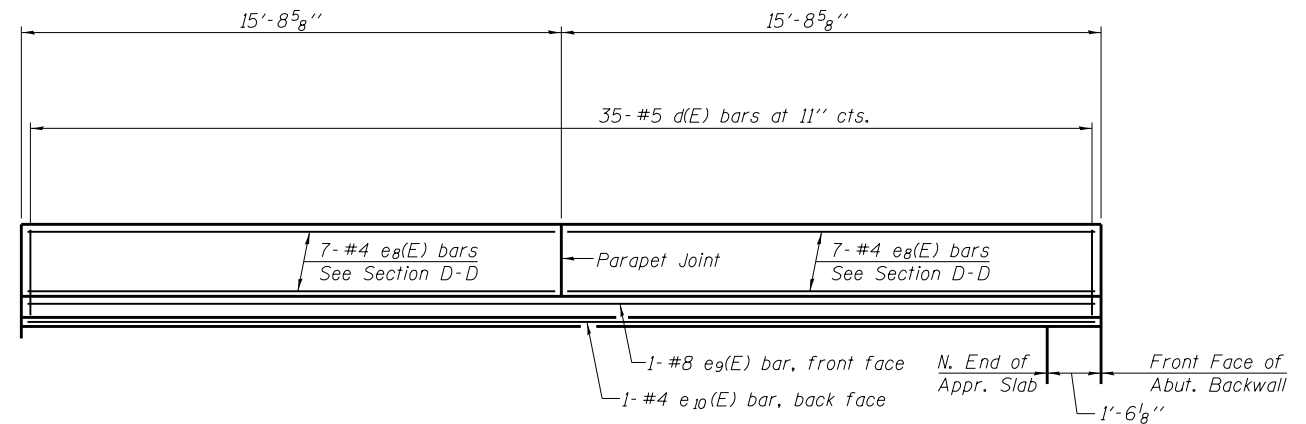
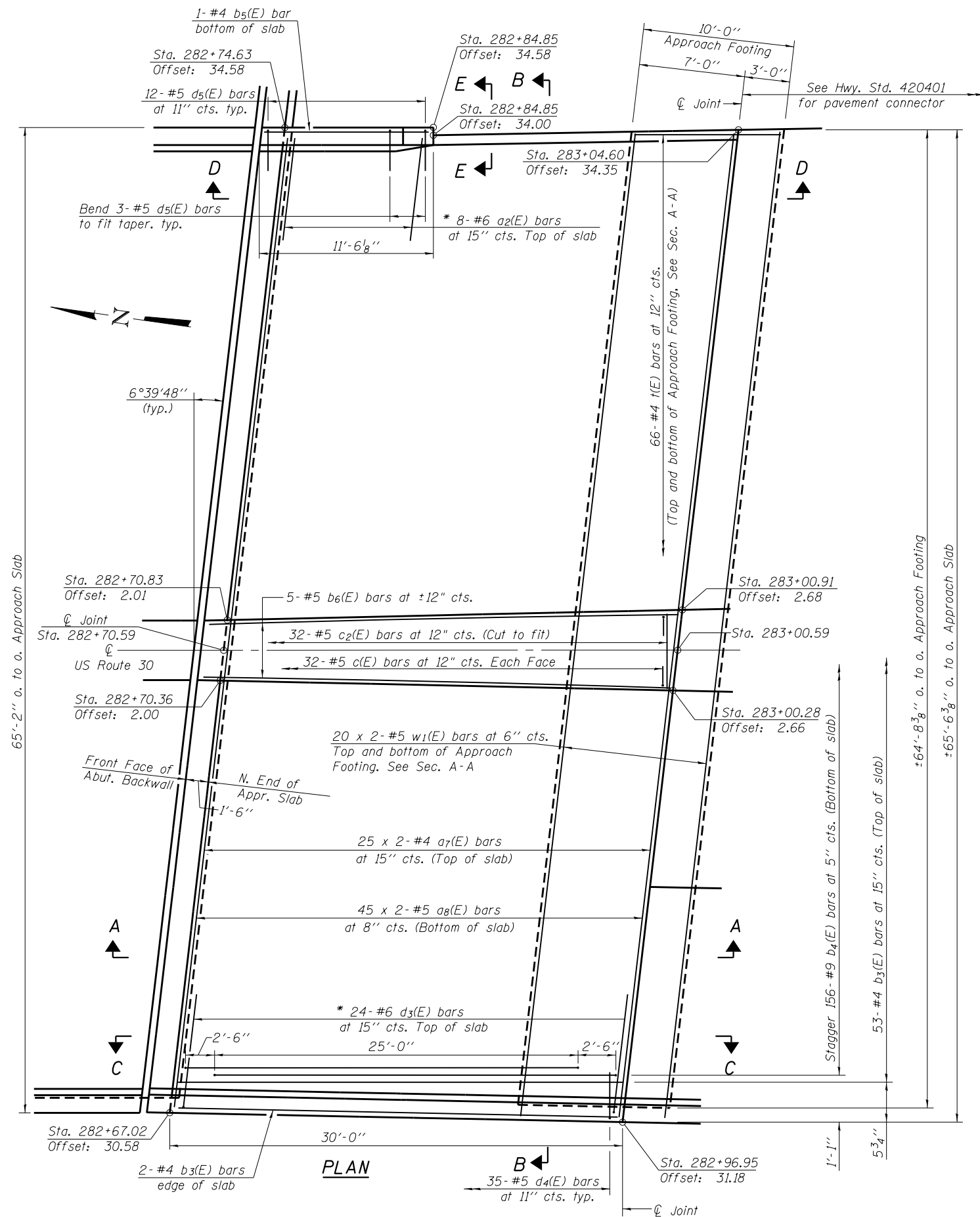
USER NAME =	DESIGNED - WJV	REVISED
PLOT SCALE =	CHECKED - CJB	REVISED
PLOT DATE =	DRAWN - WJV	REVISED
	CHECKED - CJB	REVISED

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

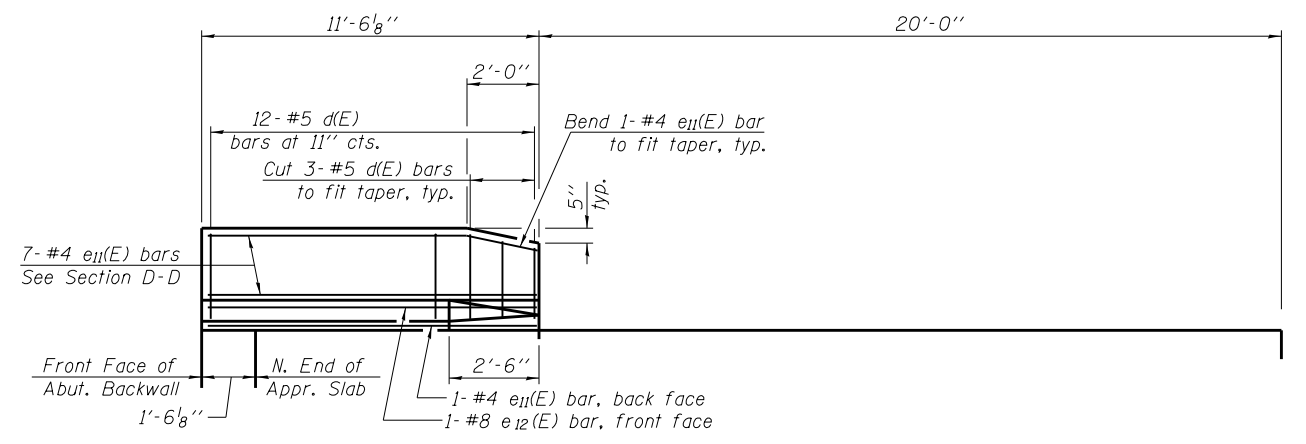
**NORTH APPROACH SLAB  
 STRUCTURE NO. 016-1350**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	196
CONTRACT NO. 60R19				

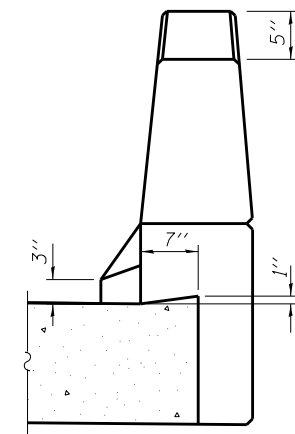
ILLINOIS FED. AID PROJECT



VIEW C-C



VIEW D-D

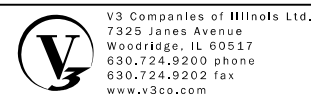


VIEW E-E

\* Space between a7(E) bars.

**MINIMUM BAR LAP**  
 #4 bar = 2'-7"  
 #5 bar = 3'-3"

Notes:  
 See sheet 13 of 35 for Sections A-A & B-B.  
 a7(E) and a8(E) bar spacings measured along C Rdwy.  
 See sheet 10 of 35 for Parapet Joint Details.



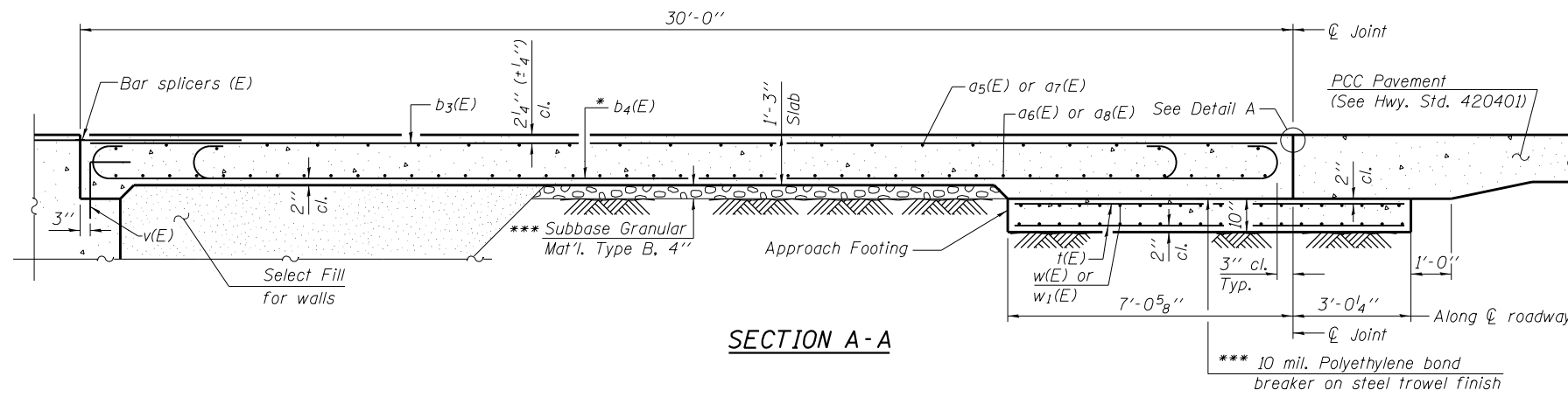
USER NAME =	DESIGNED - WJV	REVISED
PLOT SCALE =	CHECKED - CJB	REVISED
PLOT DATE =	DRAWN - WJV	REVISED
	CHECKED - CJB	REVISED

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

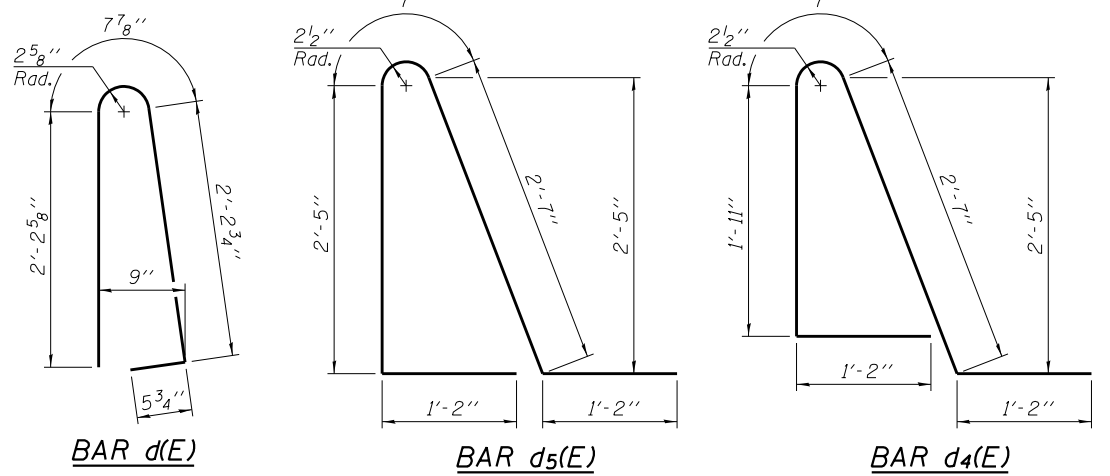
SOUTH APPROACH SLAB  
 STRUCTURE NO. 016-1350  
 SHEET NO. 12 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	197
CONTRACT NO. 60R19				

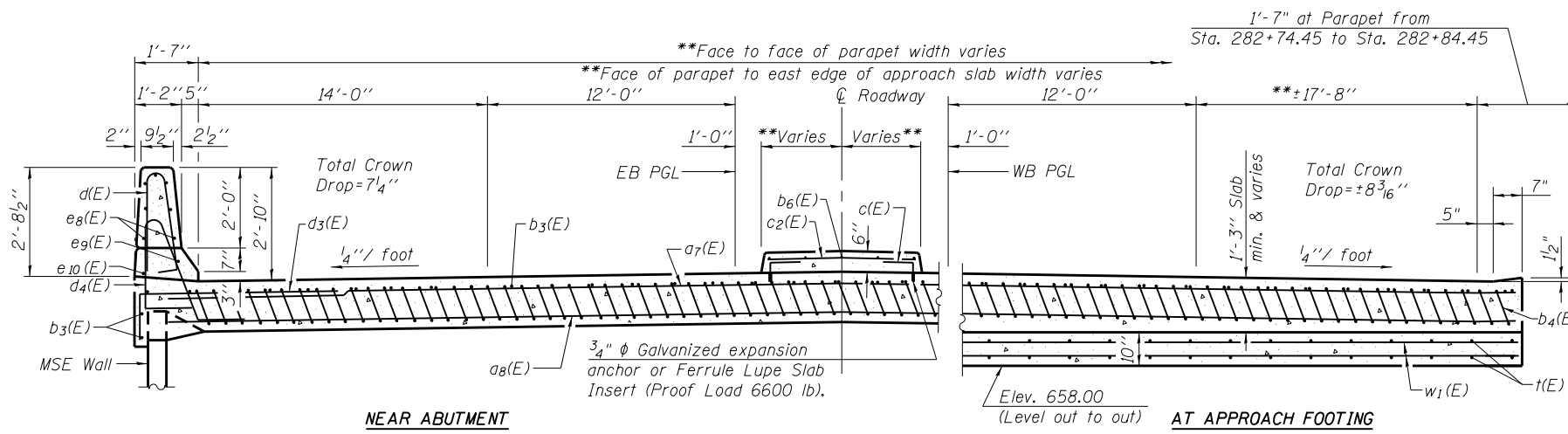
ILLINOIS FED. AID PROJECT



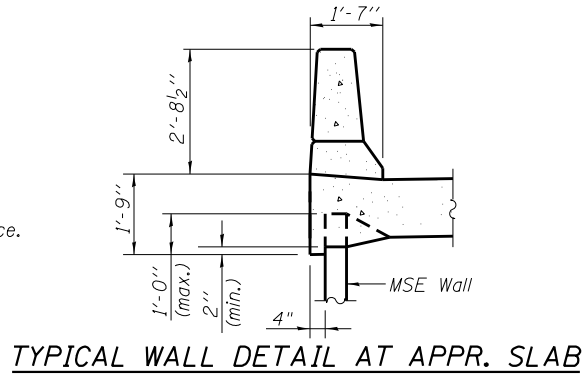
**SECTION A-A**



**BAR d(E) BAR d5(E) BAR d4(E)**



**SECTION B-B**

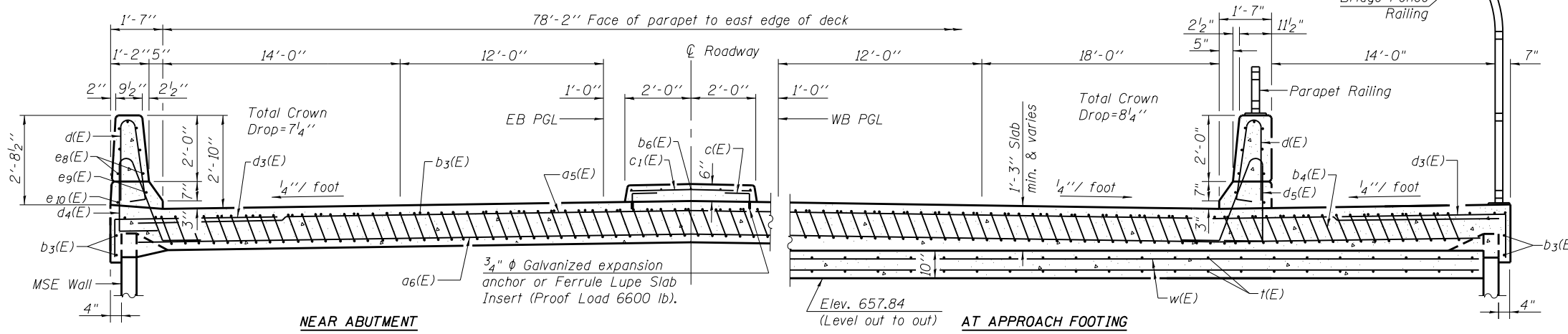


**TYPICAL WALL DETAIL AT APPR. SLAB**

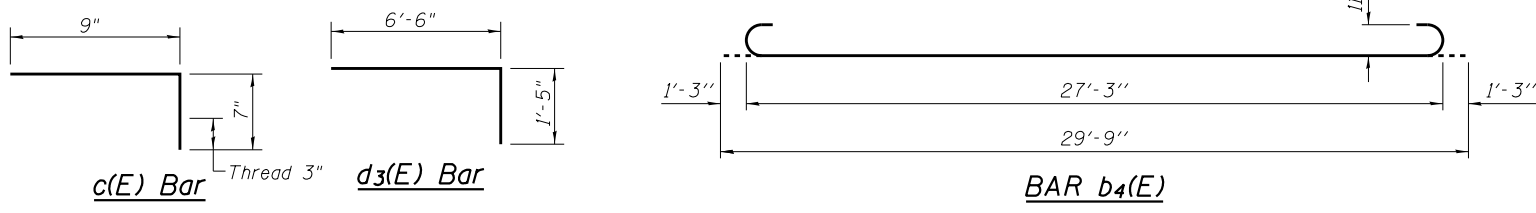
\*Tilt #9 b4(E) bars as required to maintain clearance.  
 \*\*See sheets 12 of 35 for stations and offsets to get the exact dimension.  
 \*\*\*Cost included with Concrete Superstructure.

**TWO APPROACHES  
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a2(E)	8	#6	6'-6"	
a5(E)	75	#4	28'-1"	
a6(E)	90	#5	40'-9"	
a7(E)	50	#4	34'-0"	
a8(E)	90	#5	34'-2"	
b3(E)	123	#4	29'-8"	
b4(E)	342	#9	29'-9"	
b5(E)	1	#4	9'-9"	
b6(E)	10	#5	31'-2"	
c(E)	128	#5	1'-4"	
c1(E)	32	#5	3'-7"	
c2(E)	32	#5	5'-0"	
d(E)	117	#5	5'-7"	
d3(E)	72	#6	7'-11"	
d4(E)	70	#5	7'-5"	
d5(E)	47	#5	7'-11"	
e8(E)	42	#4	15'-5"	
e9(E)	3	#8	31'-3"	
e10(E)	3	#4	31'-3"	
e11(E)	8	#4	11'-3"	
e12(E)	1	#8	11'-3"	
t(E)	290	#4	9'-8"	
w(E)	80	#5	40'-9"	
w1(E)	80	#5	34'-3"	
Concrete Superstructure		Cu. Yd.	234.3	
Concrete Structures		Cu. Yd.	44.4	
Reinforcement Bars, Epoxy Coated		Pound	58,920	
Bridge Deck Grooving		Sq. Yd.	385	
Protective Coat		Sq. Yd.	551	



**SECTION F-F**



Notes:  
 See sheet 11 of 35 for Detail A.  
 Approach slab and parapet concrete shall be paid for as Concrete Superstructure.  
 Approach footing concrete shall be paid for as Concrete Structures.  
 Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.  
 Bars indicated thus 20 x 2-#5 etc. indicates 20 lines of bars with 2 lengths per line.  
 For v(E) bar details, see sheets 20 thru 22 of 35.  
 The approach footing maximum applied service bearing pressure (Omax) = 2.0 ksf.  
 For bar splicer details, see sheet 25 of 35.  
 Cost of excavation for approach footing included with Concrete Structures.  
 For select fill for walls, see Special Provision for Mechanically Stabilized Earth Retaining Walls.  
 East Parapet on South Approach similar to Bridge East Parapet and East parapet on North Approach. For additional parapet details, see sheet 10 of 35.

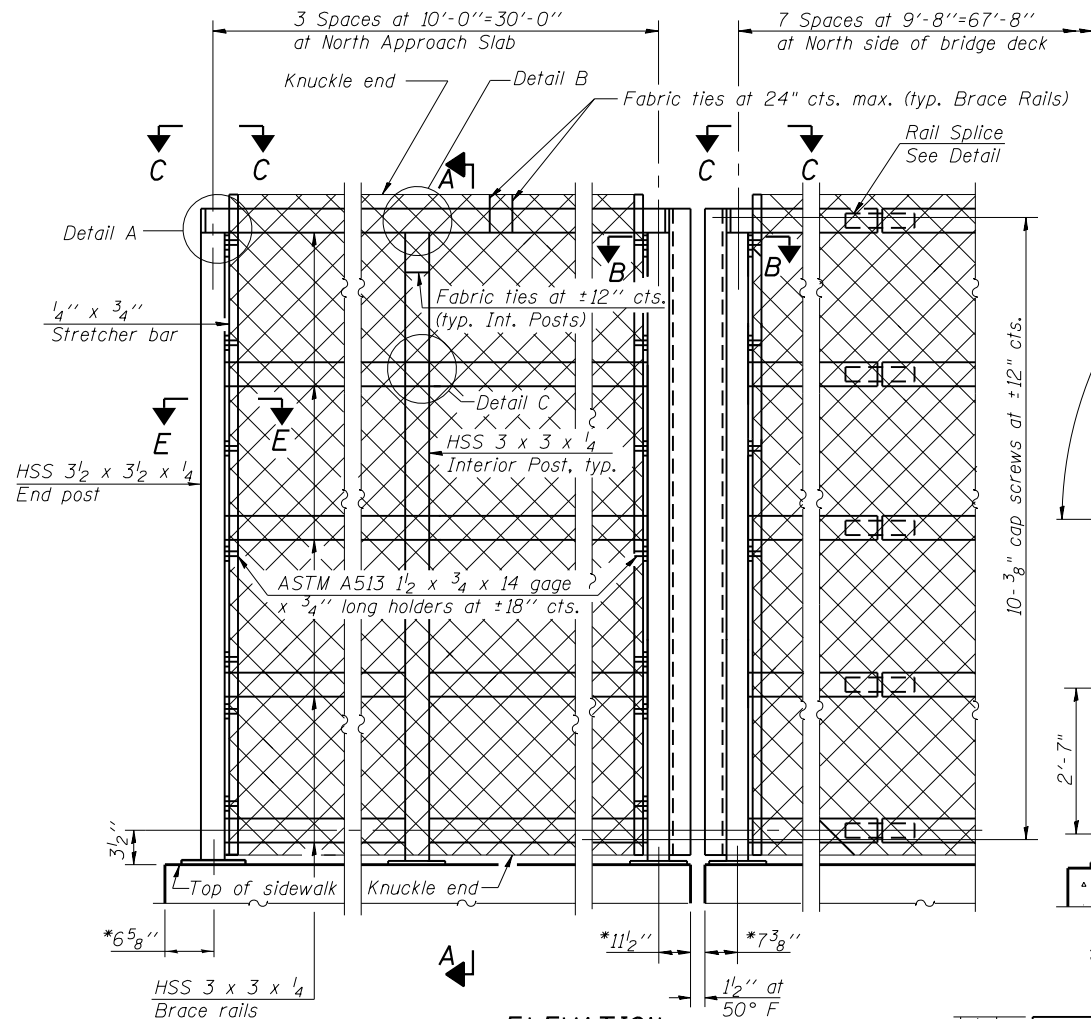


USER NAME =	DESIGNED - WJV	REVISED
PLOT SCALE =	CHECKED - CJB	REVISED
PLOT DATE =	DRAWN - WJV	REVISED
	CHECKED - CJB	REVISED

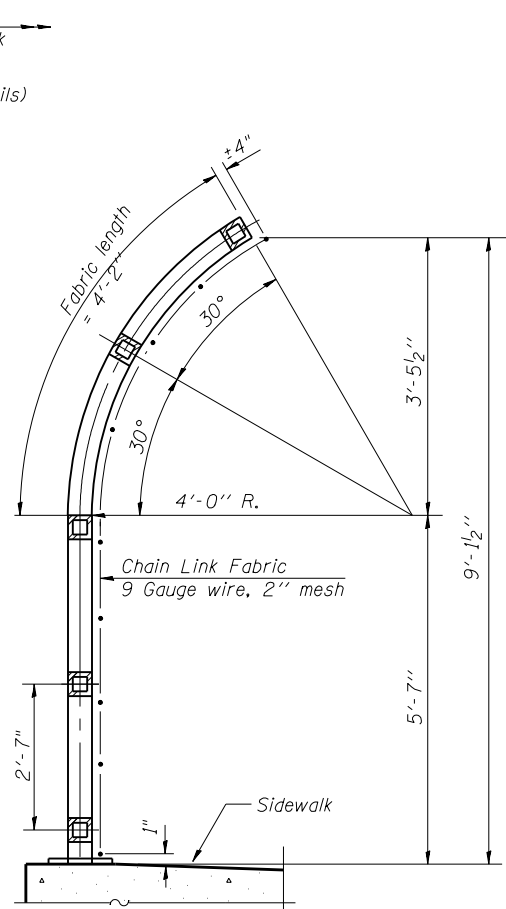
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**APPROACH SLAB DETAILS  
STRUCTURE NO. 016-1350  
SHEET NO. 13 OF 35 SHEETS**

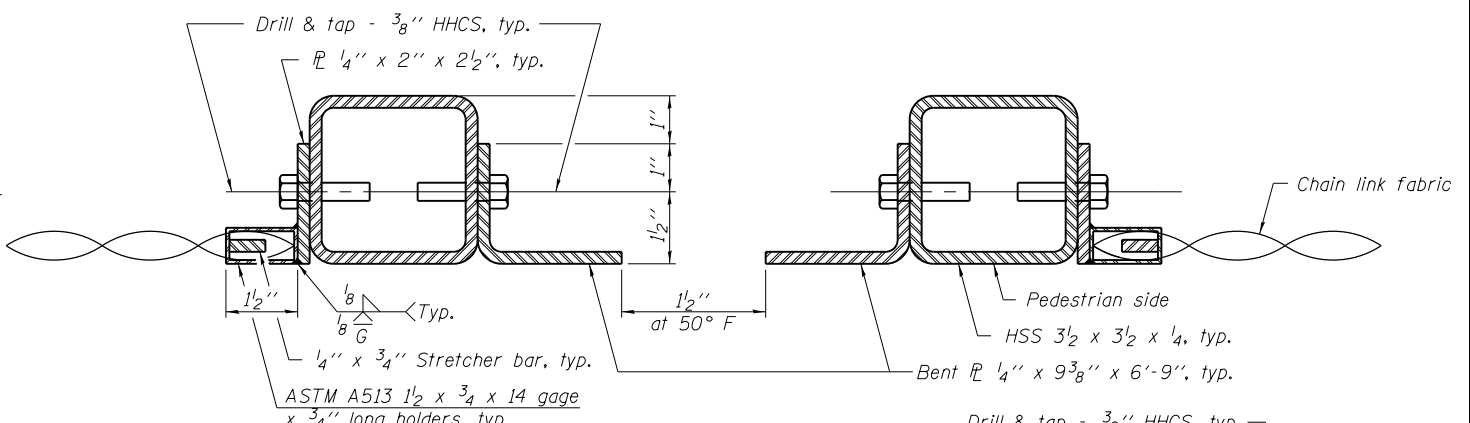
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	198
				CONTRACT NO. 60R19
ILLINOIS FED. AID PROJECT				



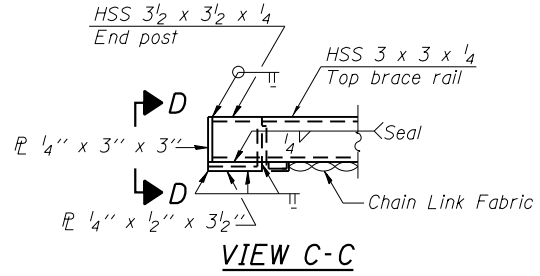
**ELEVATION**  
(Inside Face)  
\*measured from east face of deck



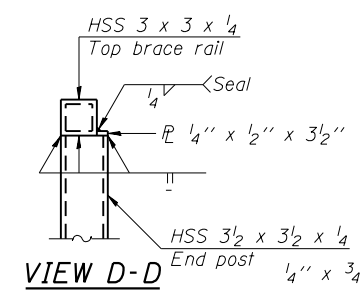
**SECTION A-A**



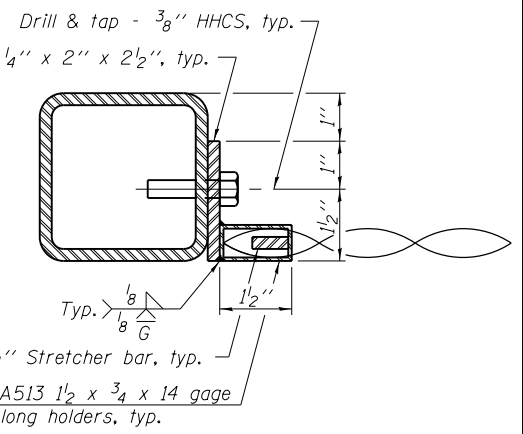
**SECTION B-B**  
(At Expansion Joint)



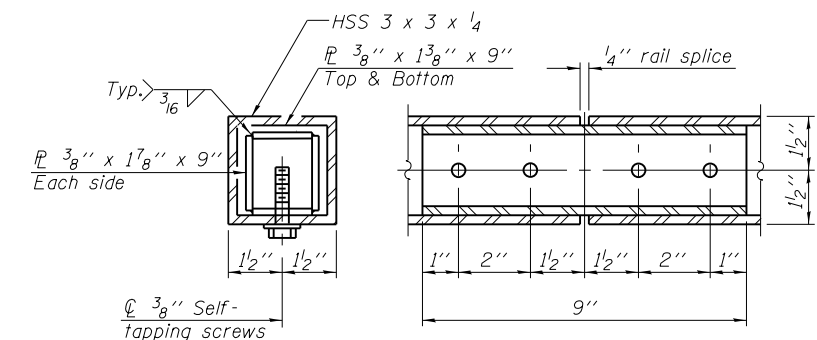
**VIEW C-C**



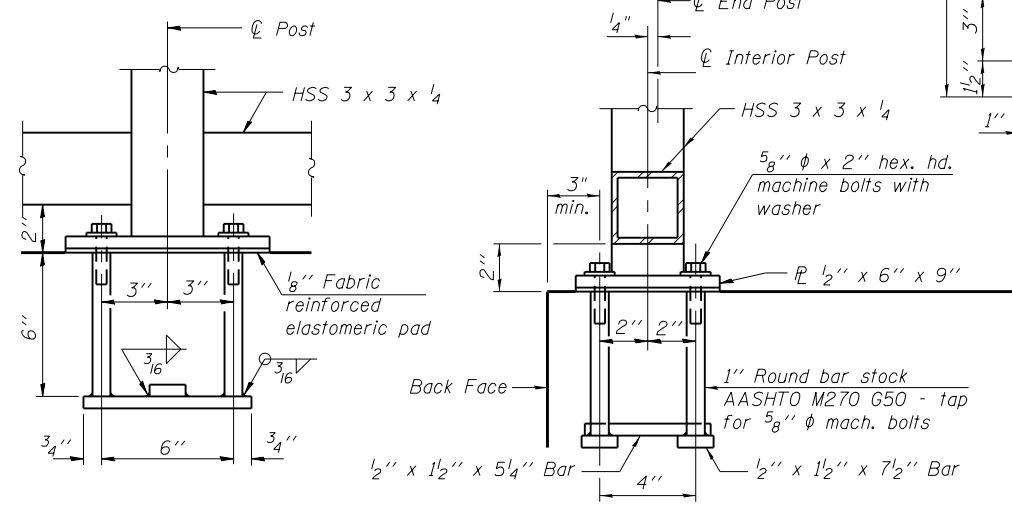
**VIEW D-D**



**SECTION E-E**

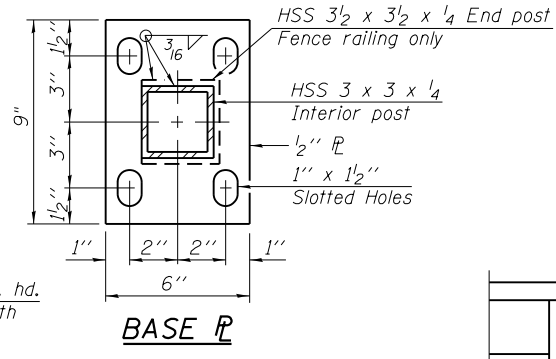


**RAIL SPLICE**

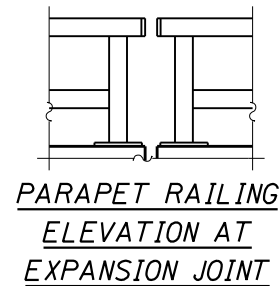


**ANCHOR BOLT DETAILS**

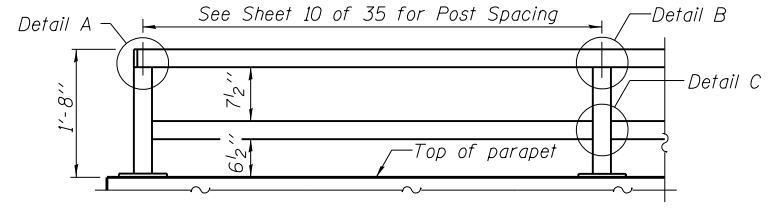
In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" φ anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



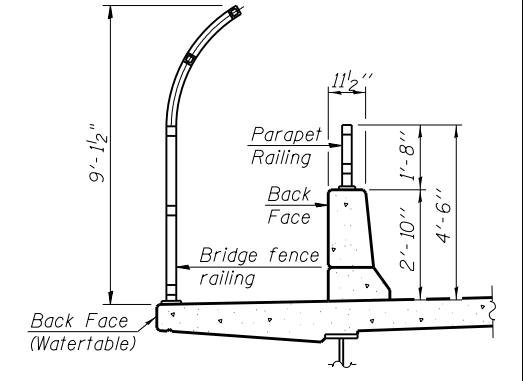
**BASE PL**



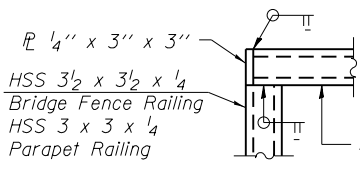
**PARAPET RAILING ELEVATION AT EXPANSION JOINT**



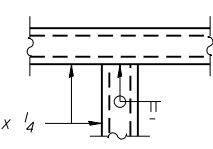
**PARAPET RAILING ELEVATION**  
(Inside face of two element rail)



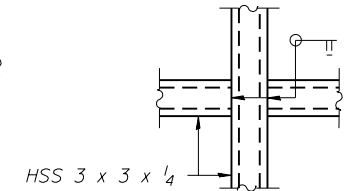
**SECTION THRU DECK**



**DETAIL A**



**DETAIL B**

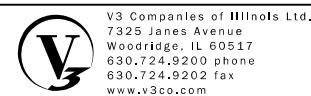


**DETAIL C**

Notes:  
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.

**BILL OF MATERIAL**

Item	Unit	Quantity
Bridge Fence Railing (Sidewalk)	Foot	98
Parapet Railing	Foot	156



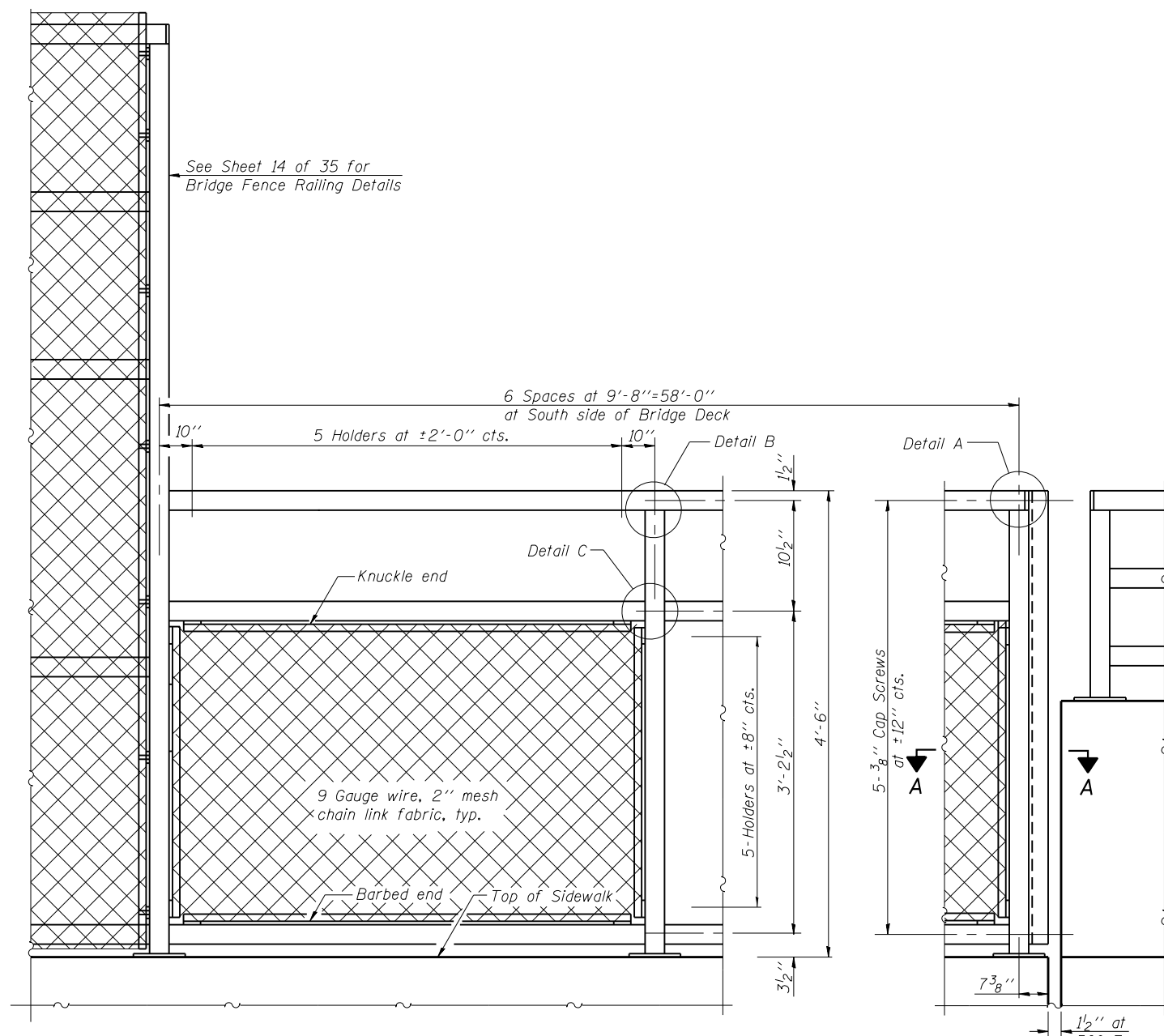
USER NAME =	DESIGNED - WJV	REVISIONS
PLOT SCALE =	CHECKED - CJB	REVISIONS
PLOT DATE =	DRAWN - WJV	REVISIONS
	CHECKED - CJB	REVISIONS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

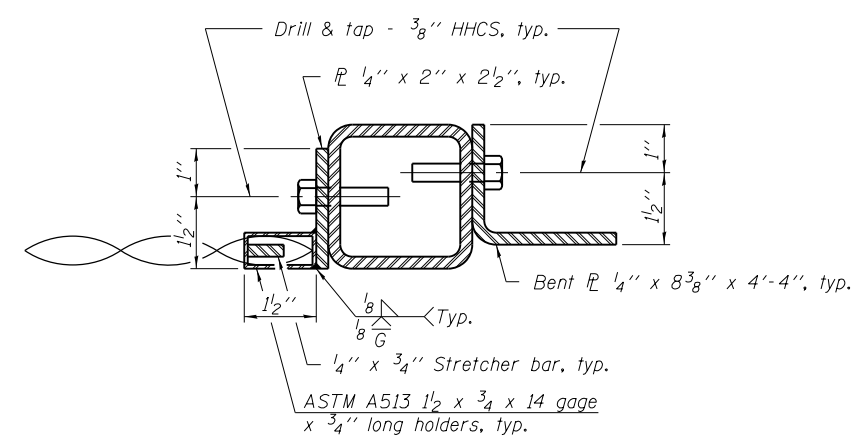
BRIDGE FENCE RAILING, SIDEWALK MOUNTED  
STRUCTURE NO. 016-1350  
SHEET NO. 14 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	11-Y-A	COOK	354	199
				CONTRACT NO. 60R19
ILLINOIS FED. AID PROJECT				

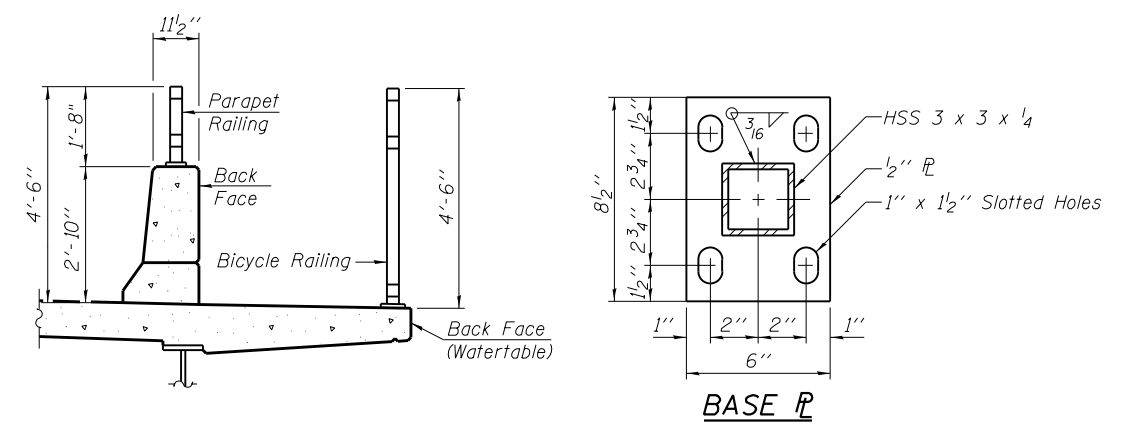




**BICYCLE RAILING**

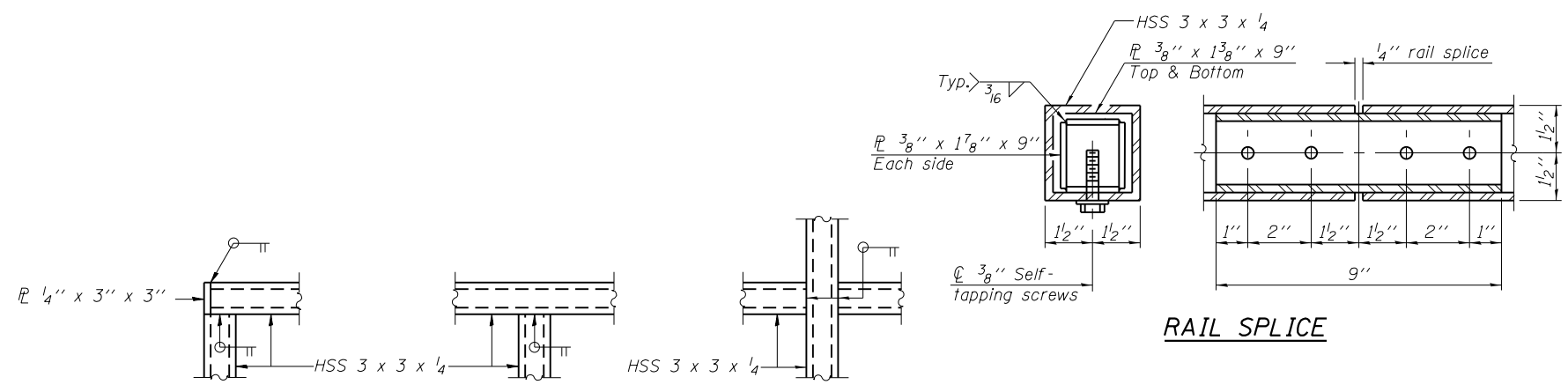


**SECTION A-A**



**SECTION THRU DECK**

**BASE PL**

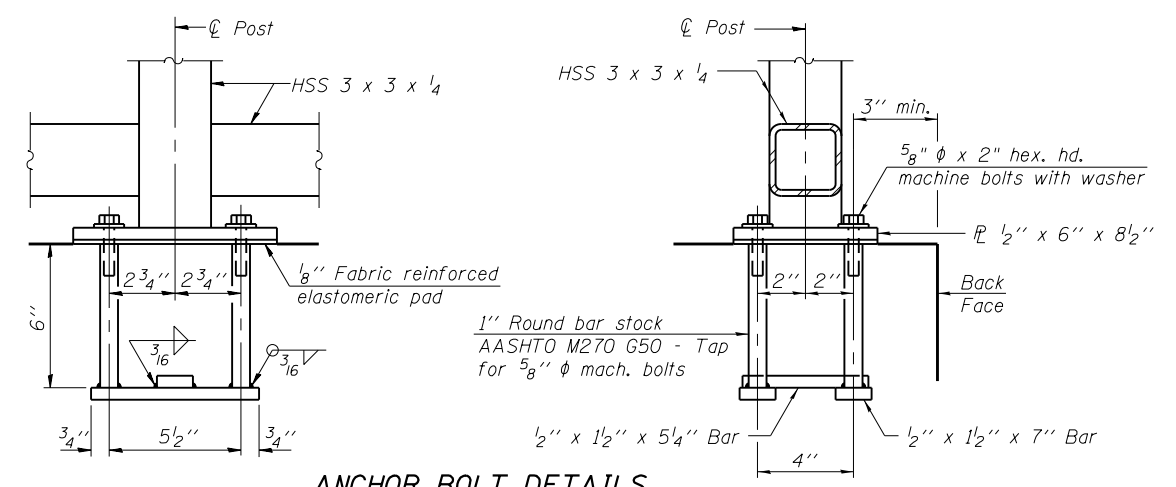


**RAIL SPLICE**

**DETAIL A**

**DETAIL B**

**DETAIL C**



**ANCHOR BOLT DETAILS**

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" phi anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

**BILL OF MATERIAL**

Item	Unit	Quantity
Bicycle Railing	Foot	58

Notes:  
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.  
See Sheet 14 of 35 for Parapet Railing.



USER NAME =	DESIGNED - WJV	REVISED
PLOT SCALE =	CHECKED - CJB	REVISED
PLOT DATE =	DRAWN - WJV	REVISED
	CHECKED - CJB	REVISED

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BICYCLE RAILING  
STRUCTURE NO. 016-1350  
SHEET NO. 15 OF 35 SHEETS**

F.A.P. RTE. 353	SECTION 11-Y-A	COUNTY COOK	TOTAL SHEETS 354	SHEET NO. 200
CONTRACT NO. 60R19				
ILLINOIS FED. AID PROJECT				