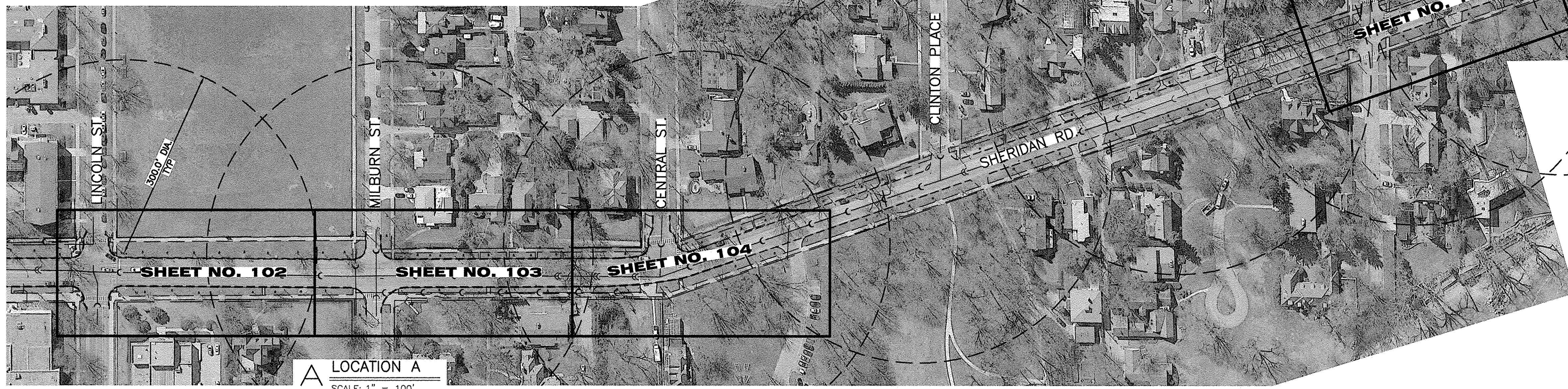
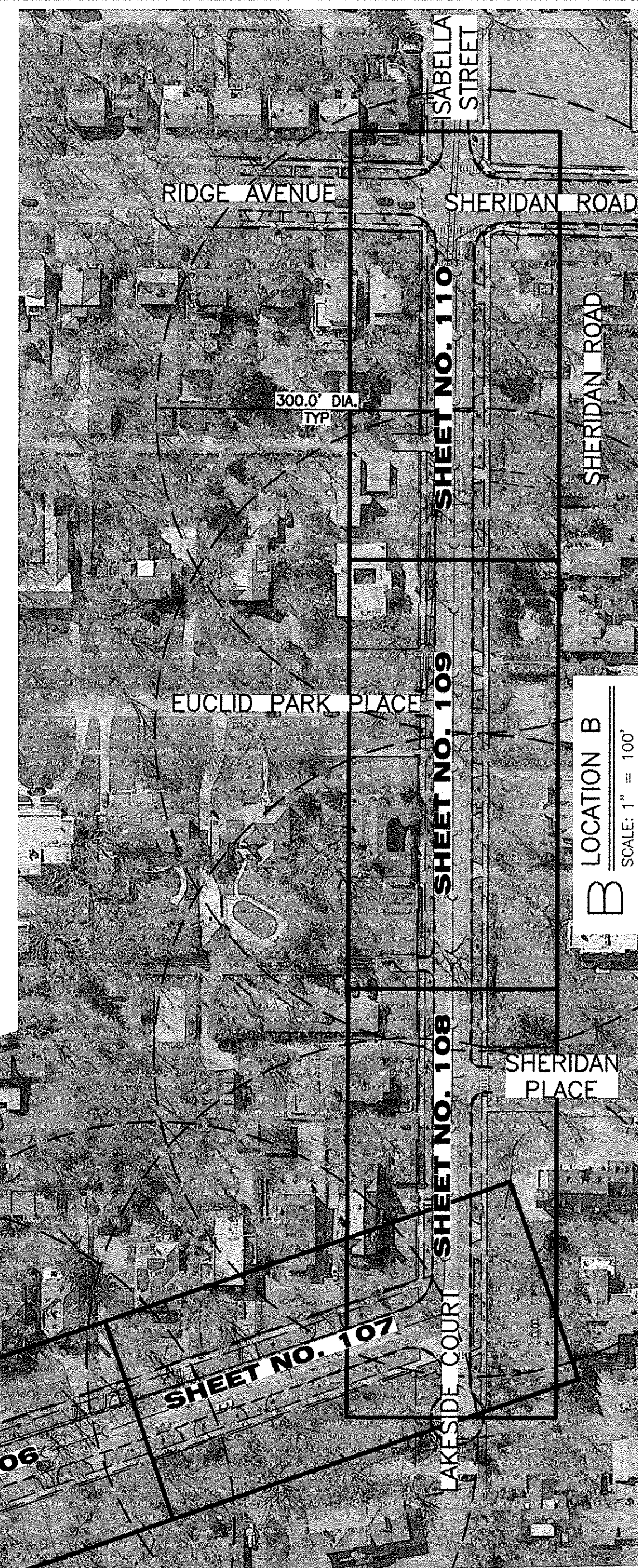
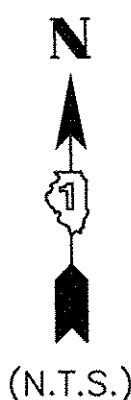
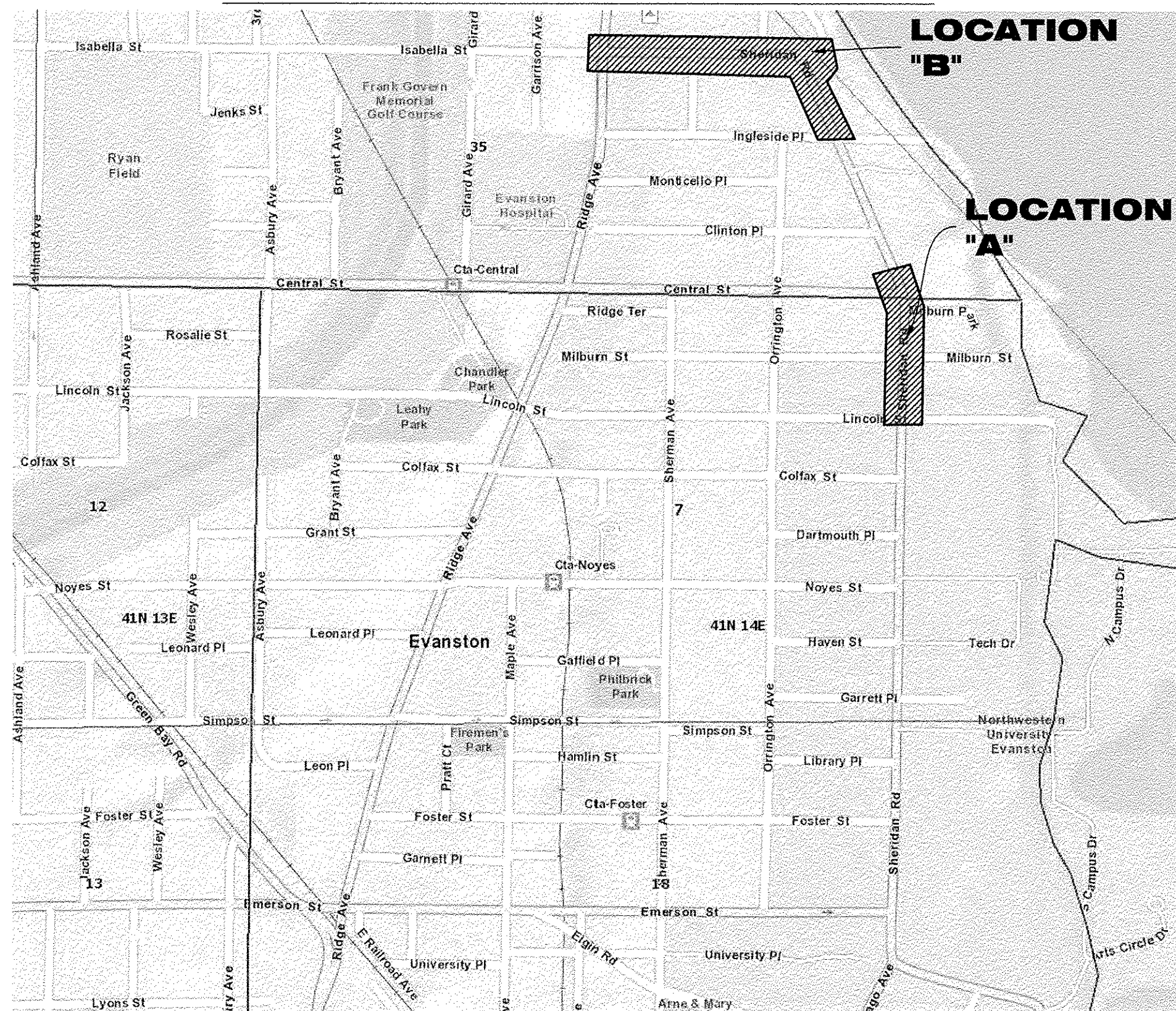


# LOCATION MAP



**A** LOCATION A  
SCALE: 1" = 100'

**B** LOCATION B  
SCALE: 1" = 100'

COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: HRGreen  
 DATE PLOTTED: 11/14/2016 1:10 PM  
 FILE NAME: 91140095-Overall-Plan  
 PLOT DRIVER: DWG To PDF.pc3  
 PEN TABLE: SEC-Standard.ctb



USER NAME = MLEWIS	DESIGNED -- MPL/MH	REVISED --
FILE NAME = 91140095-Overall-Plan	DRAWN -- MPL/CF	REVISED --
PLOT SCALE = 1"=100'	CHECKED -- MH	REVISED --
PLOT DATE = 11/14/2016	DATE -- 11/11/2016	REVISED --

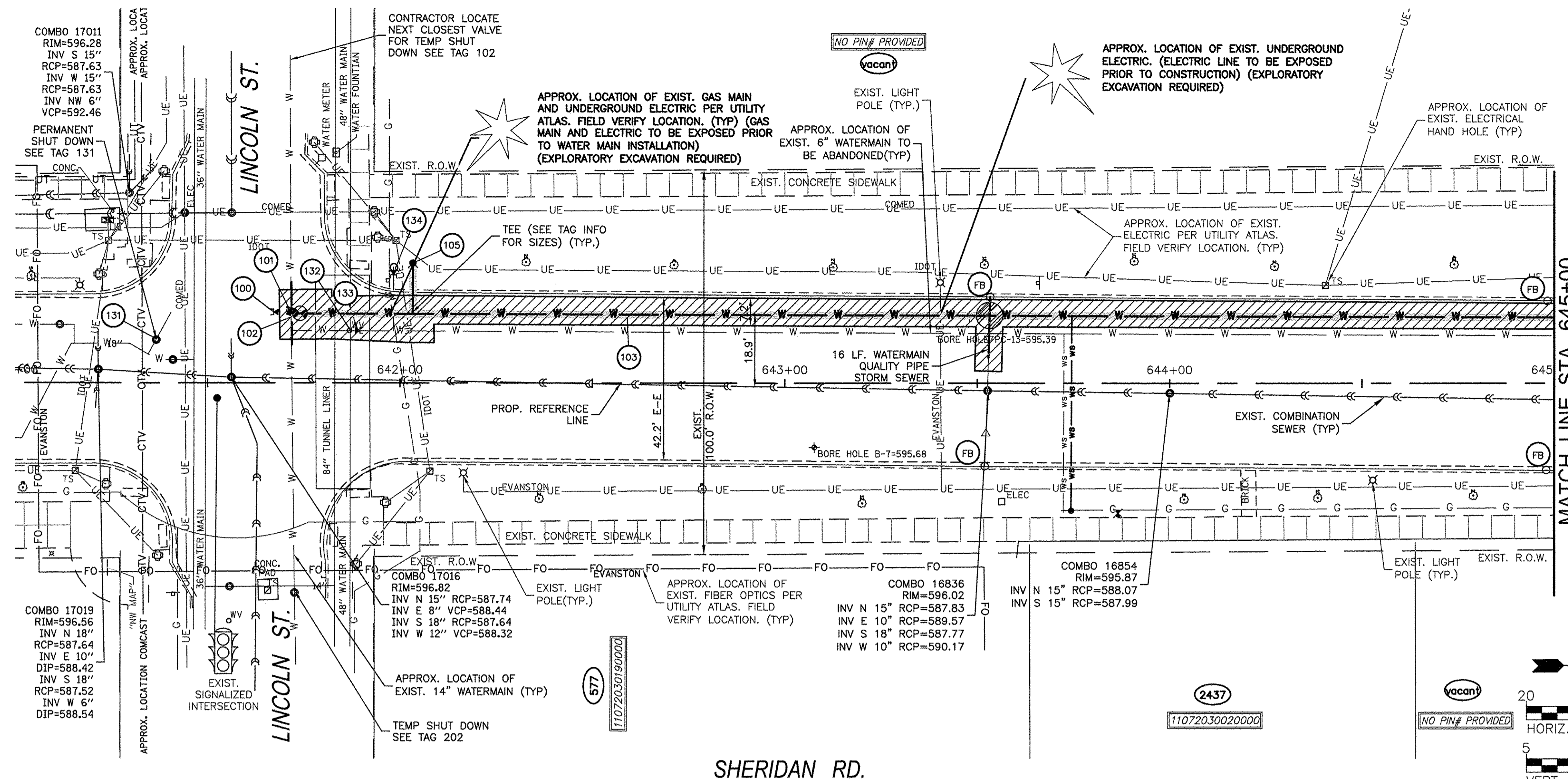
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CHICAGO AVE./SHERIDAN RD.  
 WATER MAIN REPLACEMENT  
 OVERALL MAP AND HYDRANT SPACING PLAN  
 SCALE: 1"=100' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	101
CONTRACT NO. 61B36				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

**# WATERMAIN TAGS**

- 100 CUT EXISTING 8" AND MJ CAP CITY TO LOCATE NEAREST VALVE FOR SHUTDOWN (SEE PLANS)
- 101 EXIST. VALVE AND VALVE VAULT AND TEE TO BE REMOVED. CONTRACTOR TO INSTALL STRAIGHT PIPE 16" WATER MAIN TO TAG 102
- 102 CONNECT TO EXISTING MAIN 16"x16"x8" TEE WITH 16" TO 14" REDUCERS ON EACH END 8" VALVE AND 5' DIA VALVE VAULT INCLUDING TEE CITY TO LOCATE NEAREST VALVE STA 641+73.95, 8.7' LT RIM = 596.57
- 103 472 LIN FT WM 8" WITH BENDS & TEE'S
- 105 FIRE HYDRANT W/ AUX. VALVE STA 642+03.4, 31.5' LT BURY ELEV = 596.30 13 LIN FT WATER MAIN LEAD 6"
- 131 PERMANENT SHUT DOWN REMOVE VALVE AND VAULT ABANDON LINE AS SHOWN ON PLANS
- 132 ABANDON EXISTING VALVE
- 133 CUT EXISTING 6" AND MJ CAP
- 134 EXIST. FIRE HYDRANT TO BE REMOVED AND RETURNED TO THE CITY MJ CAP REQUIRED AT END OF LEAD



MATCH LINE STA. 645+00

MATCH LINE STA. 645+00

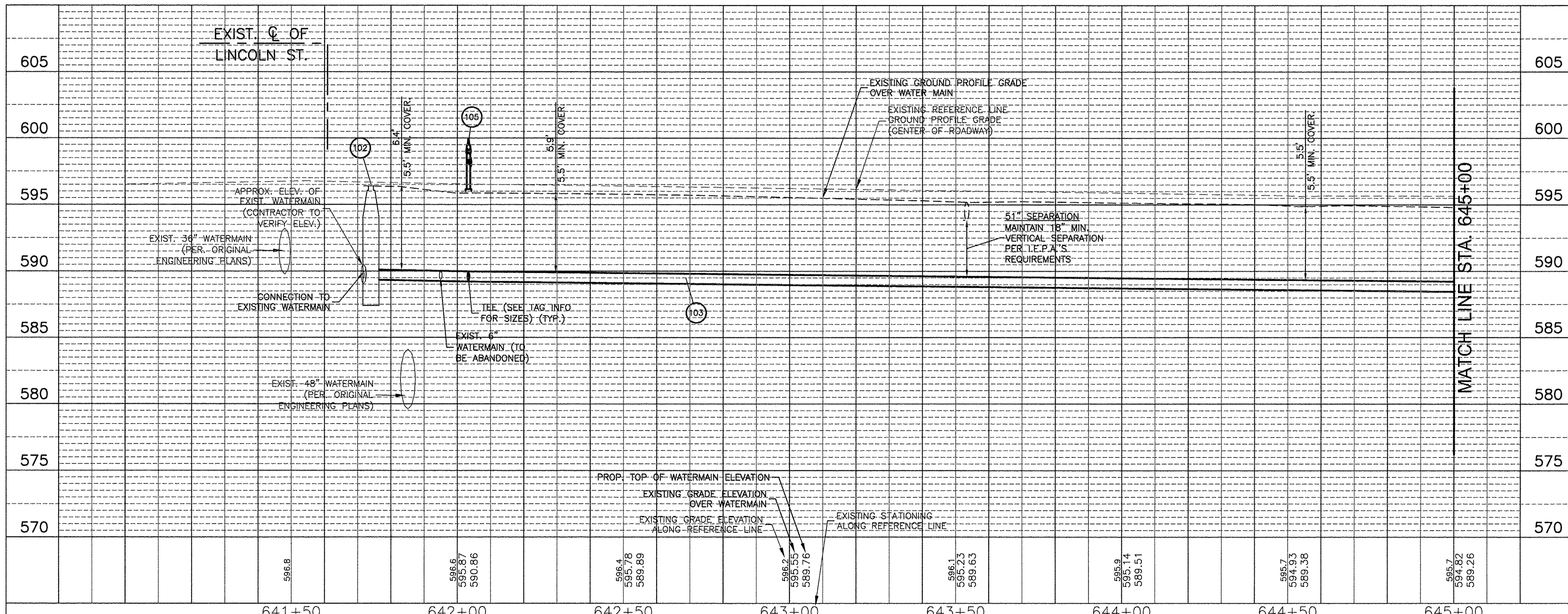
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	ALIGNED	
	CHECKED	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	GRADES	
	CHECKED	
	BY	
	NO.	

CONTRACT NO. 11/14/2016 11:15 AM  
 PROJECT CONTACT: 91140095-PnP-Sheridan\_Rd  
 CLIENT: 91140095-PnP-Sheridan\_Rd  
 FILE NAME: DWG To PDF.dwg  
 PLOT DRIVER: SEC-Standard.ctb  
 PLOT DATE: 11/14/2016

**PROJECT LEGEND:**

- DENOTES WATERMAIN QUALITY CASING PIPE
- DENOTES TRENCH BACKFILL
- DENOTES MAINTAIN 18" VERTICAL SEPARATION PER TO I.E.P.A.'S REQUIREMENTS
- INDICATES EROSION CONTROL MEASURES



STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CHICAGO AVE/SHERIDAN RD.  
 WATER MAIN REPLACEMENT  
 PLAN AND PROFILE - STA 641+00 TO STA 645+00  
 SCALE: 1"=20' SHEET NO. 1 OF 3 SHEETS STA. 641+00 TO STA. 645+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	102
CONTRACT NO. 61D36				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



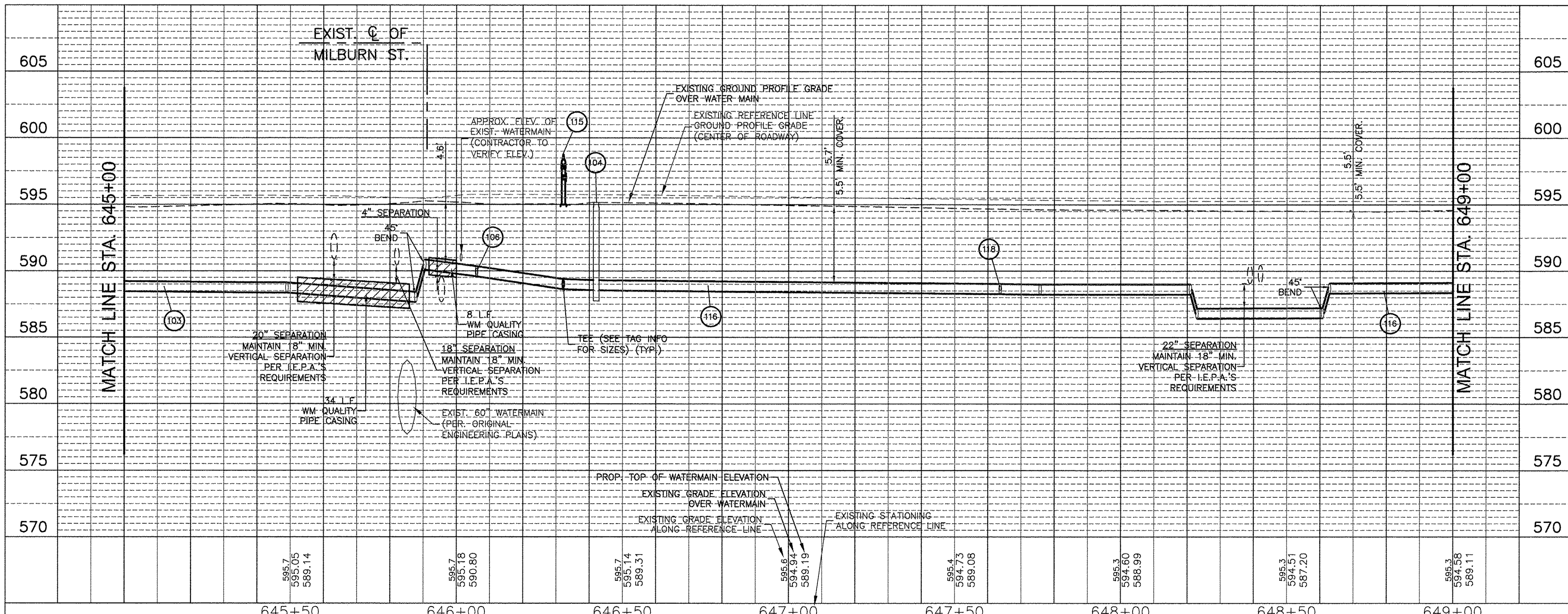
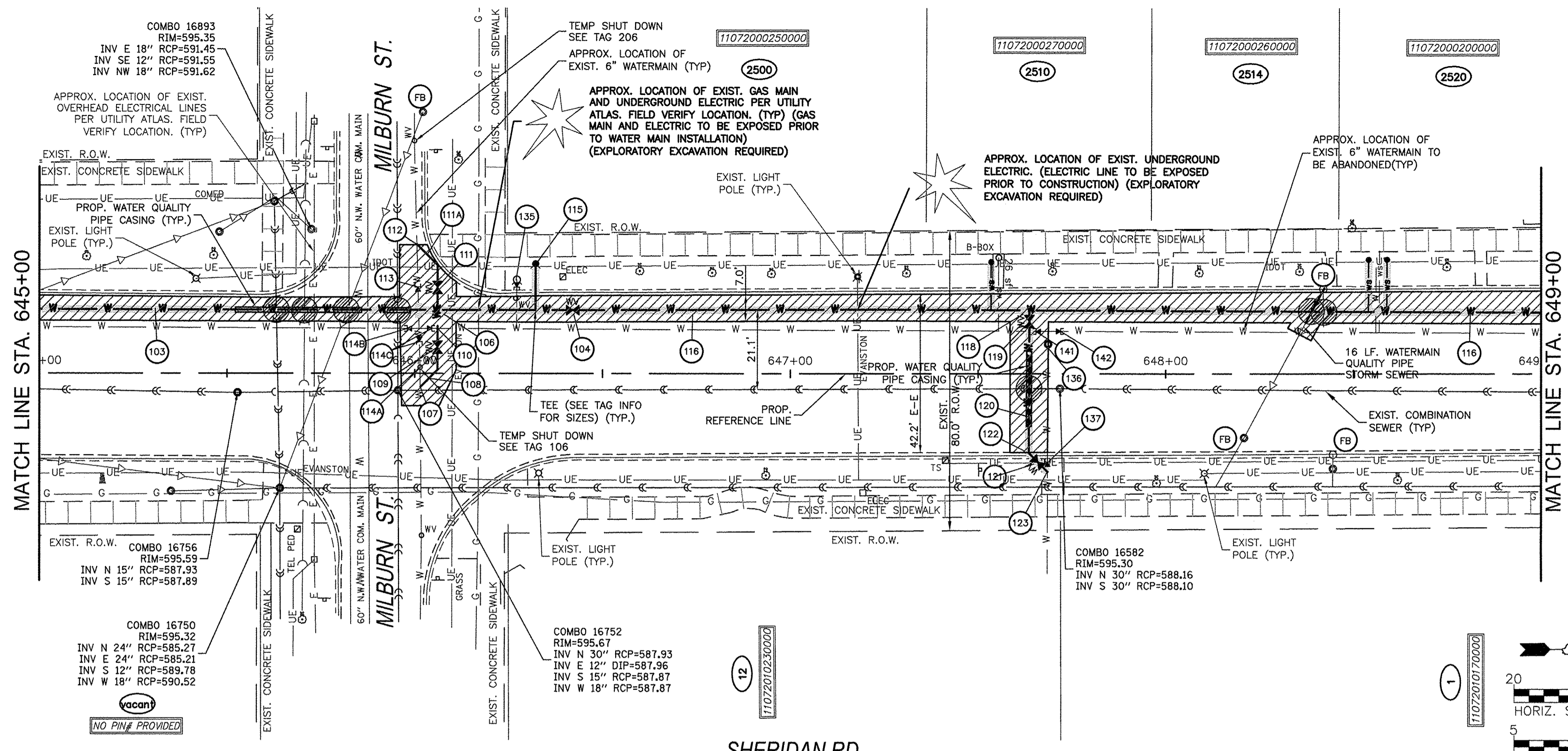
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FILE NAME = 91140095-PnP-Sheridan_Rd	DRAWN - MPL/CF	REVISED -
PLOT SCALE = 1"=20'	CHECKED - MH	REVISED -
PLOT DATE = 11/14/2016	DATE - 11/11/2016	REVISED -

**# WATERMAIN TAGS**

- 103 472 LIN FT WM 8" WITH BENDS & TEE'S
- 104 8" VALVE AND VALVE BOX STA 646+42.04, 16.9' LT RIM = 595.15
- 106 8"x6" CROSS AND RECONNECT CITY TO LOCATE NEAREST VALVE FOR RECONNECT (SEE PLANS)
- 107 CONNECT TO EXISTING MAIN 6"
- 108 13 LIN FT WM 6" WITH BENDS & TEE'S
- 109 6" VALVE AND VALVE BOX STA 646+06.0, 6.8' LT RIM = 595.55
- 110 16 LIN FT WM 6" WITH BENDS & TEE'S
- 111 6" VALVE AND VALVE BOX STA 646+05.95, 22.9' LT RIM = 594.95
- 111A 16 LIN FT WM 6" WITH BENDS & TEE'S
- 112 CONNECT TO EXISTING MAIN 6"
- 113 CUT EXISTING 6" AND MJ CAP
- 114A ABANDON EXISTING VALVE
- 114B CUT EXISTING 6" AND MJ CAP
- 114C CUT EXISTING 6" AND MJ CAP
- 115 FIRE HYDRANT W/ AUX. VALVE STA 646+32.2, 29.3' LT BURY ELEV = 595.00 13 LIN FT WATER MAIN LEAD 6"
- 116 464 LIN FT WM 8" WITH BENDS & TEE'S
- 118 3 LIN FT WM 6" WITH BENDS & TEE'S
- 119 6" VALVE AND VALVE BOX STA 647+63.7, 14.0' LT RIM = 594.90
- 120 30 LIN FT WM 6" WITH BENDS & TEE'S
- 121 6" VALVE AND VALVE BOX STA 647+63.5, 16.0' LT RIM = 594.75
- 122 13 LIN FT WM 6" WITH BENDS & TEE'S
- 123 CONNECT TO EXISTING MAIN 6"
- 135 EXIST. FIRE HYDRANT TO BE REMOVED AND RETURNED TO THE CITY MJ CAP REQUIRED AT END OF LEAD
- 136 ABANDON EXISTING VALVE
- 137 CUT EXISTING 6" AND MJ CAP
- 141 CUT EXISTING 6" AND MJ CAP
- 142 CUT EXISTING 6" AND MJ CAP

**PROJECT LEGEND:**

- DENOTES WATERMAIN QUALITY CASING PIPE
- DENOTES TRENCH BACKFILL
- DENOTES MAINTAIN 18" VERTICAL SEPARATION PER TO I.E.P.A.'S REQUIREMENTS
- INDICATES EROSION CONTROL MEASURES



PLAN	SURVEYED	BY	DATE
	ALIGNED		
	CHECKED		
	BY		
	NO.		

PROFILE	SURVEYED	BY	DATE
	GRADES		
	CHECKED		
	BY		
	NO.		

COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: USER NAME = MLEWIS  
 CLIENT: FILE NAME = 91140095-PnP-Sheridan\_Rd  
 DATE PLOTTED: 11/14/2016 11:22 AM  
 FILE NAME: 91140095-PnP-Sheridan\_Rd  
 PLOT DRIVER: DWG To PDF.pc3  
 PEN TABLE: SEC-Standard.ctb

**HRGreen.com**  
 Illinois Professional Design Firm  
 #184.001322

DESIGNED - MPL/MH	REVISIONS
DRAWN - MPL/CF	REVISIONS
CHECKED - MH	REVISIONS
DATE - 11/11/2016	REVISIONS

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CHICAGO AVE./SHERIDAN RD.  
 WATER MAIN REPLACEMENT  
 PLAN AND PROFILE - STA 645+00 TO STA 649+00  
 SCALE: 1"=20' SHEET NO. 2 OF 3 SHEETS STA. 645+00 TO STA. 649+00

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	103
CONTRACT NO. 61B36				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

**# WATERMAIN TAGS**

- 116 464 LIN FT WM 8" WITH BENDS & TEES
- 117 8" VALVE AND VALVE VAULT STA 651+10.2, 11.5' LT RIM = 594.85
- 124 6 LIN FT WM 6" WITH BENDS & TEES
- 125 6" VALVE AND VALVE BOX STA 650+46.9, 21.8' LT RIM = 595.35
- 126 17 LIN FT WM 6" WITH BENDS & TEES
- 127 CONNECT TO EXISTING MAIN 6"
- 128 FIRE HYDRANT W/ AUX. VALVE STA 651+02.7, 25.5' LT BURY ELEV = 596.85 14 LIN FT WATER MAIN LEAD 6"
- 129 12 LIN FT WM 8" WITH BENDS & TEES
- 130 CONNECT TO EXISTING 6" MAIN 8" X 6" REDUCER CONTRACTOR TO LOCATE NEAREST VALVE
- 138 CUT EXISTING 6" AND MJ CAP
- 139 EXIST. FIRE HYDRANT TO BE REMOVED AND RETURNED TO THE CITY MJ CAP REQUIRED AT END OF LEAD
- 140 CUT EXISTING 6" AND MJ CAP

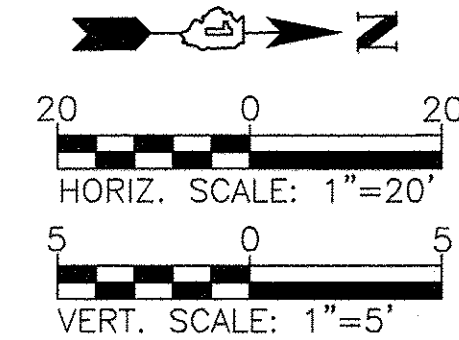
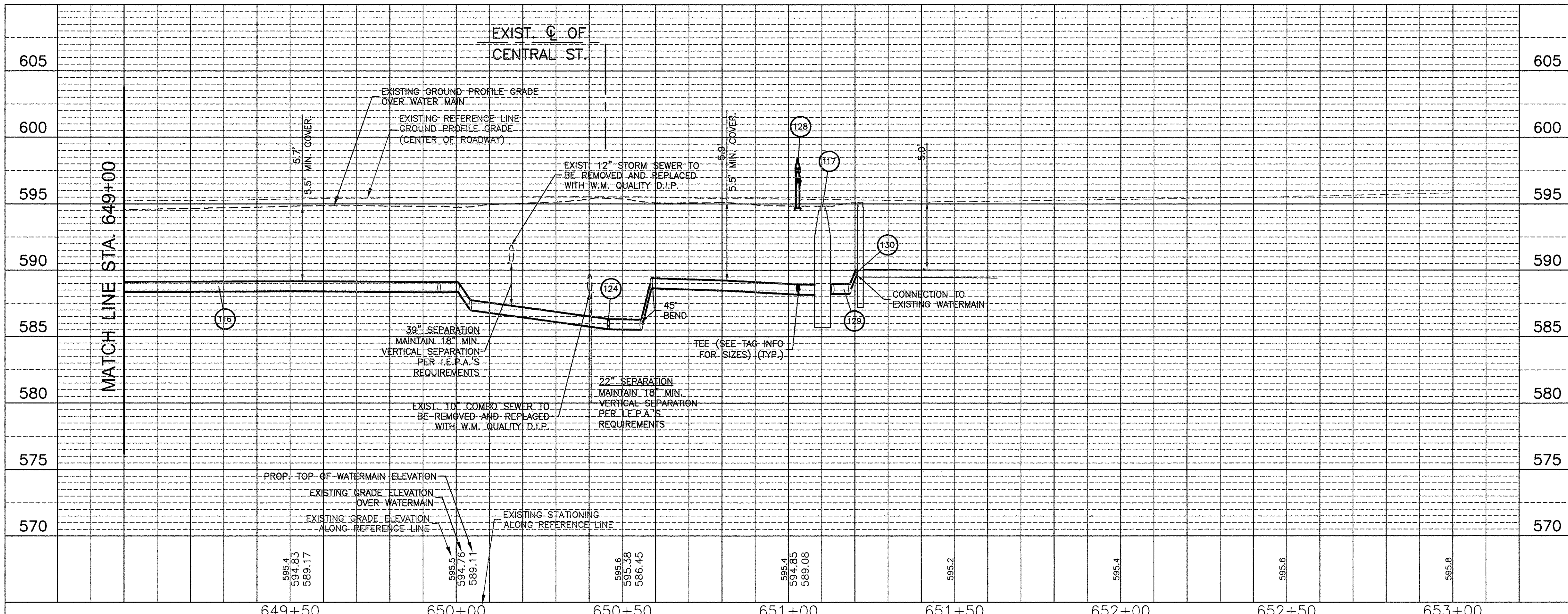
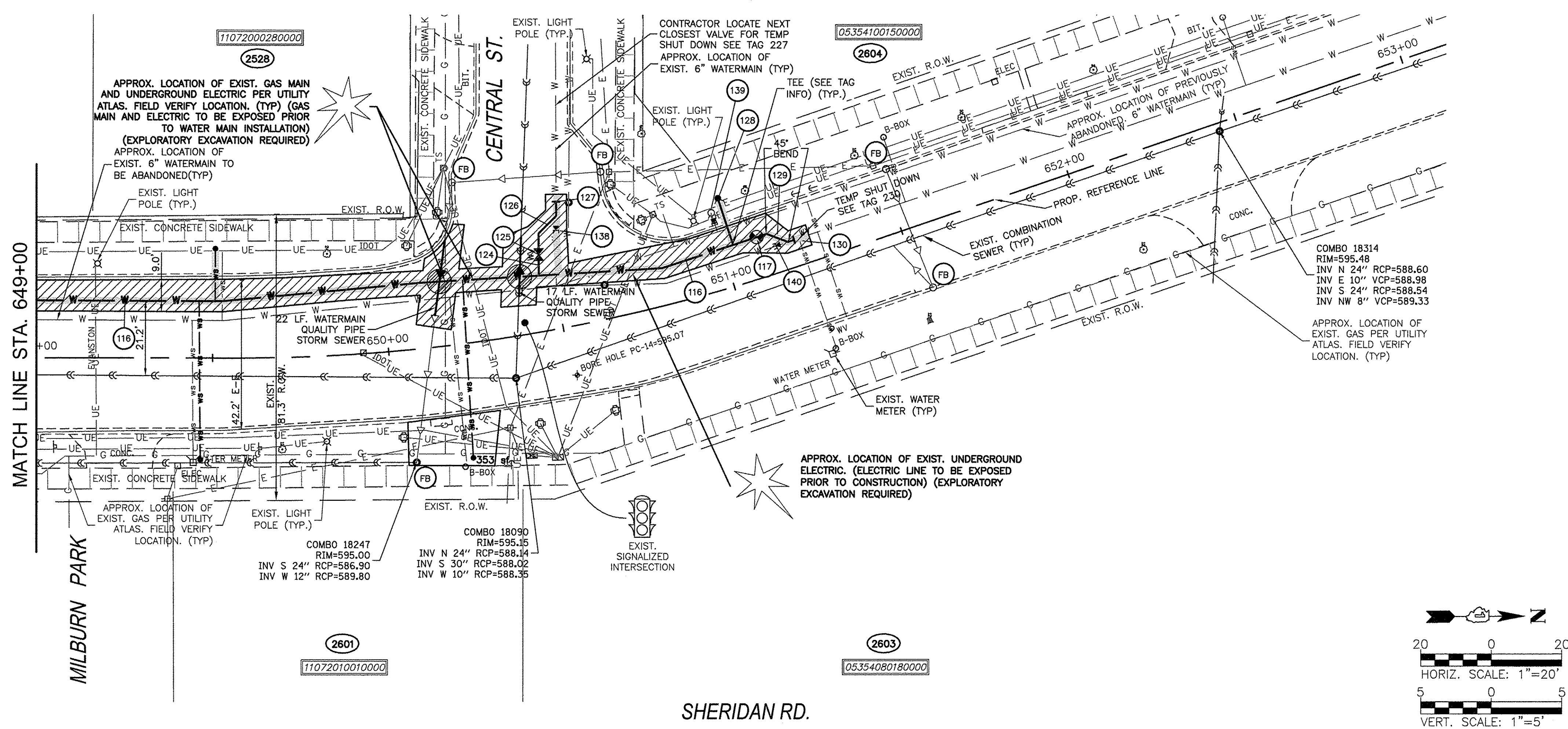
DATE	
BY	
REVISIONS	
APPROVED	
ALIGNED	
CHECKED	
PLANNED	
NO. /	

DATE	
BY	
REVISIONS	
APPROVED	
ALIGNED	
CHECKED	
PLANNED	
NO. /	

COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: USER NAME = MLEWIS  
 CLIENT: FILE NAME = 91140095-PnP-Sheridan\_Rd  
 DATE PLOTTED: 11/14/2016 11:28 AM  
 FILE NAME: 91140095-PnP-Sheridan\_Rd  
 PLOT DRIVER: DWG To PDF.pc3  
 PEN TABLE: SEC-Standard.ctb

**PROJECT LEGEND:**

- DENOTES WATERMAIN QUALITY CASING PIPE
- DENOTES TRENCH BACKFILL
- DENOTES MAINTAIN 18" VERTICAL SEPARATION PER TO I.E.P.A.'S REQUIREMENTS
- INDICATES EROSION CONTROL MEASURES



**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**CHICAGO AVE./SHERIDAN RD. WATER MAIN REPLACEMENT**

**PLAN AND PROFILE - STA 649+00 TO STA 653+00**



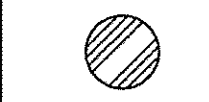

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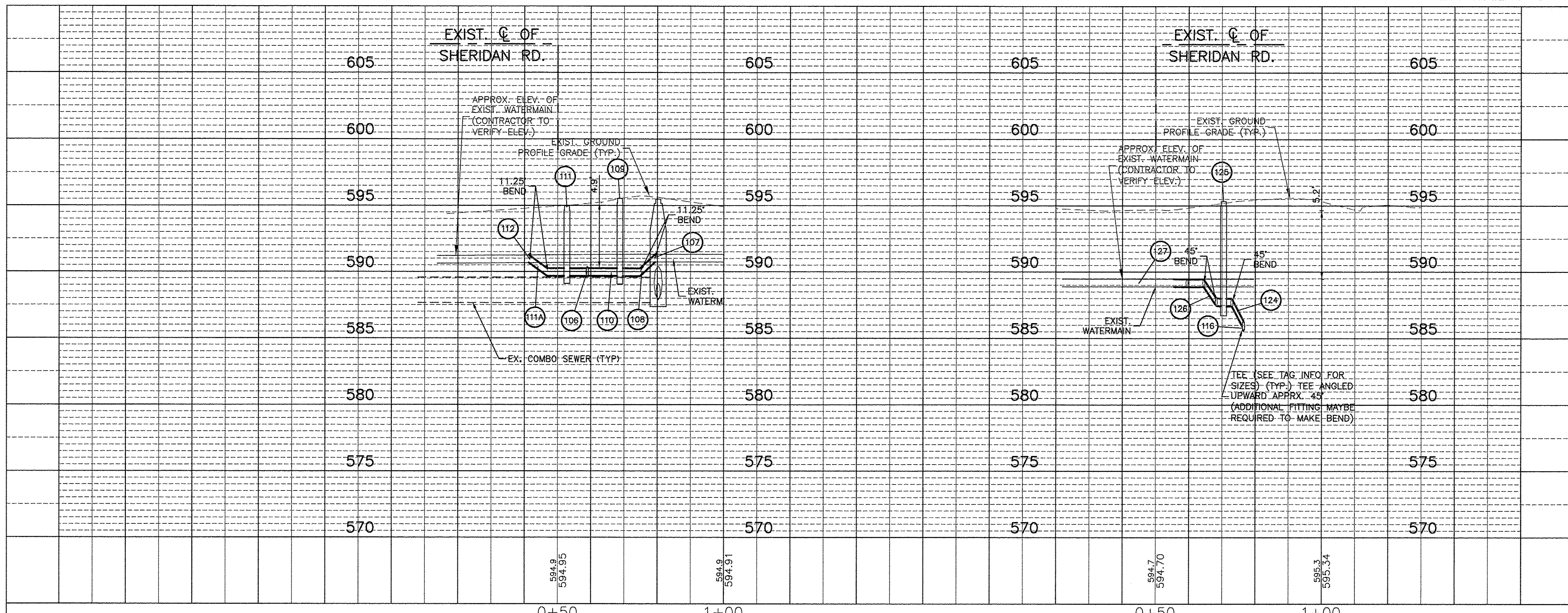
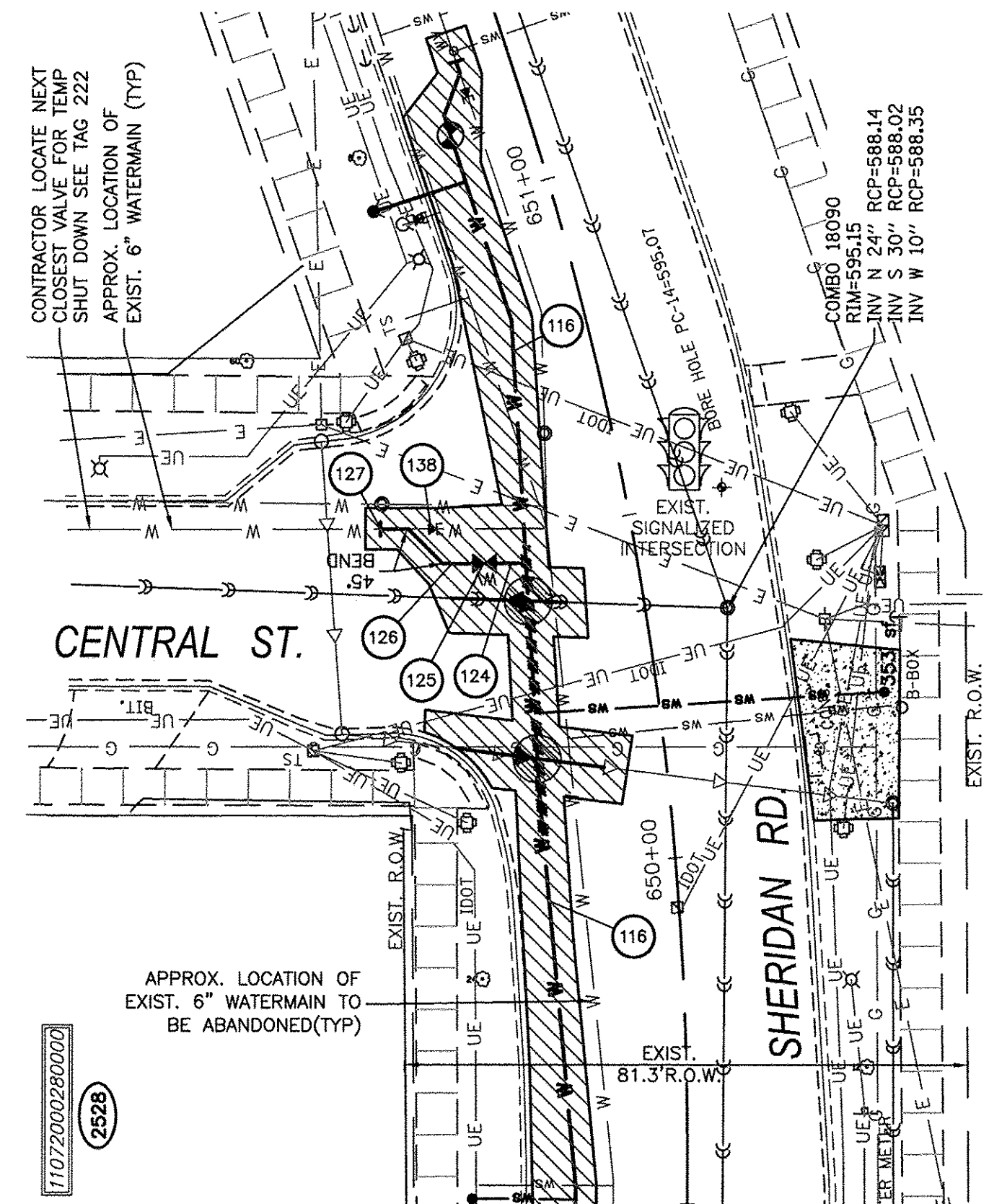
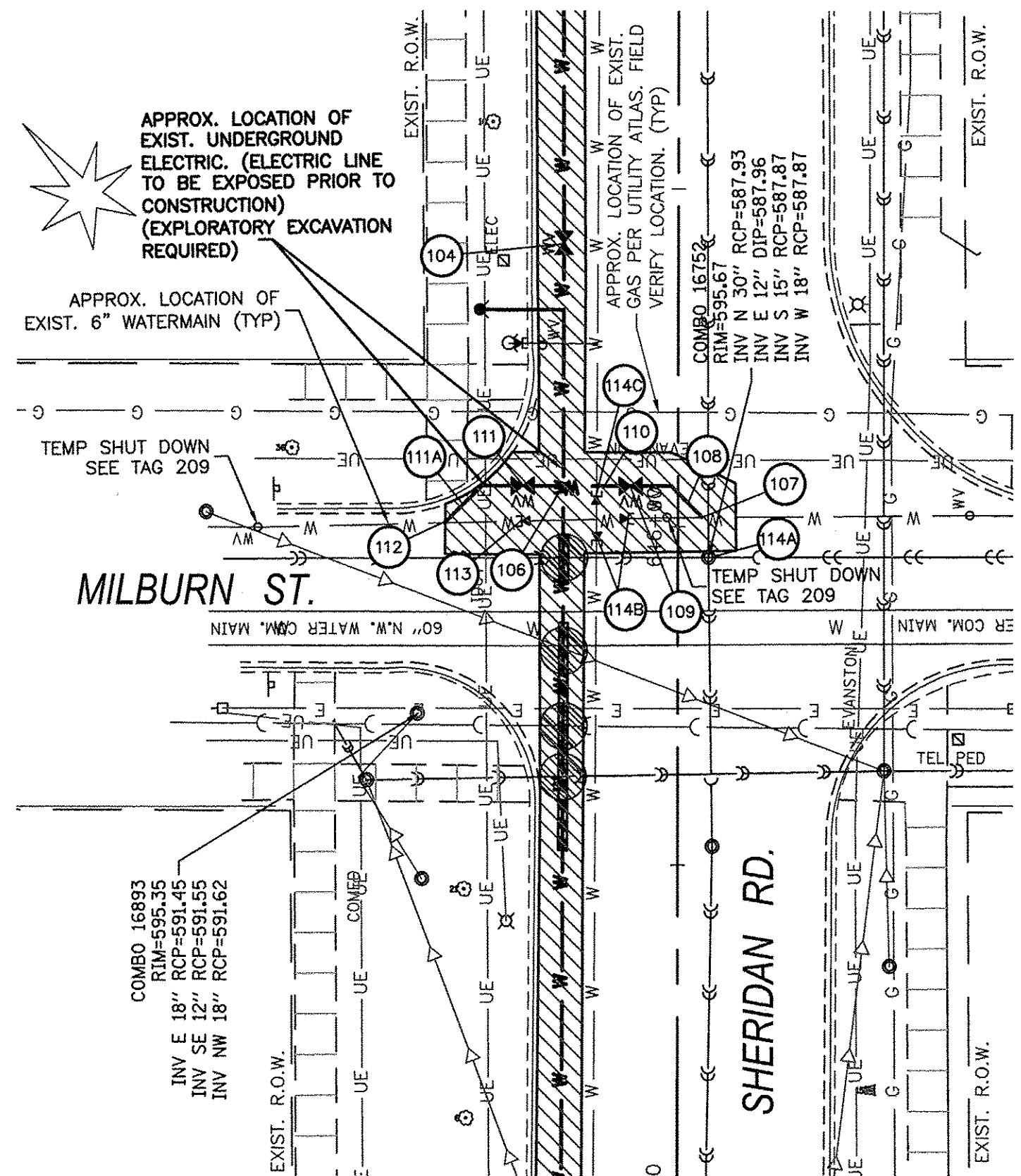
F.A.P. RTE. 285.3	SECTION 14-00273-00-BT	COUNTY COOK	TOTAL SHEETS 274	SHEET NO. 104
CONTRACT NO. 61B36				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

**# WATERMAIN TAGS**

- 104 8" VALVE AND VALVE BOX  
STA 646+42.04, 16.9' LT  
RIM = 595.15
- 106 8"x6" CROSS AND RECONNECT  
CITY TO LOCATE NEAREST VALVE  
FOR RECONNECT (SEE PLANS)
- 107 CONNECT TO EXISTING MAIN 6"
- 108 13 LIN FT WM 6"  
WITH BENDS & TEES
- 109 6" VALVE AND VALVE BOX  
STA 646+06.0, 6.8' LT  
RIM = 595.55
- 110 16 LIN FT WM 6"  
WITH BENDS & TEES
- 111 6" VALVE AND VALVE BOX  
STA 646+05.95, 22.9' LT  
RIM = 594.95
- 111A 16 LIN FT WM 6"  
WITH BENDS & TEES
- 112 CONNECT TO EXISTING MAIN 6"
- 113 CUT EXISTING 6" AND MJ CAP
- 114A ABANDON EXISTING VALVE
- 114B CUT EXISTING 6" AND MJ CAP
- 114C CUT EXISTING 6" AND MJ CAP
- 116 464 LIN FT WM 8"  
WITH BENDS & TEES
- 124 6 LIN FT WM 6"  
WITH BENDS & TEES
- 125 6" VALVE AND VALVE BOX  
STA 650+46.9, 21.8' LT  
RIM = 595.35
- 126 17 LIN FT WM 6"  
WITH BENDS & TEES
- 127 CONNECT TO EXISTING MAIN 6"
- 138 CUT EXISTING 6" AND MJ CAP

**PROJECT LEGEND:**

-  DENOTES WATERMAIN QUALITY CASING PIPE
-  DENOTES TRENCH BACKFILL
-  DENOTES MAINTAIN 18" VERTICAL SEPARATION PER TO I.E.P.A.'S REQUIREMENTS
-  INDICATES EROSION CONTROL MEASURES



PLAN	DATE
SURVEYED	
ALIGNED	
CHECKED	
BY	
NOTE BOOK	
NO.	

PROFILE	DATE
SURVEYED	
GRADES CHECKED	
BY	
NOTE BOOK	
NO.	

COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: 11/14/2016 11:48 AM  
 CLIENT: 91140095-PnP-Sheridan\_Rd-Intersections  
 DATE PLOTTED: 11/14/2016 11:48 AM  
 FILE NAME: 91140095-PnP-Sheridan\_Rd-Intersections  
 PLOT DRIVER: DMC To PDF.pc3  
 PEN TABLE: SEC-Standard.ctb



USER NAME = MLEWIS	DESIGNED - MPL/MH	REVISED -
FILE NAME = 91140095-PnP-Sheridan_Rd-Intersections	CHECKED - MPL/CF	REVISED -
PLOT SCALE = 1"=20'	CHECKED - MH	REVISED -
PLOT DATE = 11/14/2016	DATE - 11/11/2016	REVISED -

DESIGNED - MPL/MH	REVISED -
CHECKED - MPL/CF	REVISED -
CHECKED - MH	REVISED -
DATE - 11/11/2016	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CHICAGO AVE./SHERIDAN RD.  
 WATER MAIN REPLACEMENT  
 PLAN AND PROFILE - INTERSECTION DETAILS  
 SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

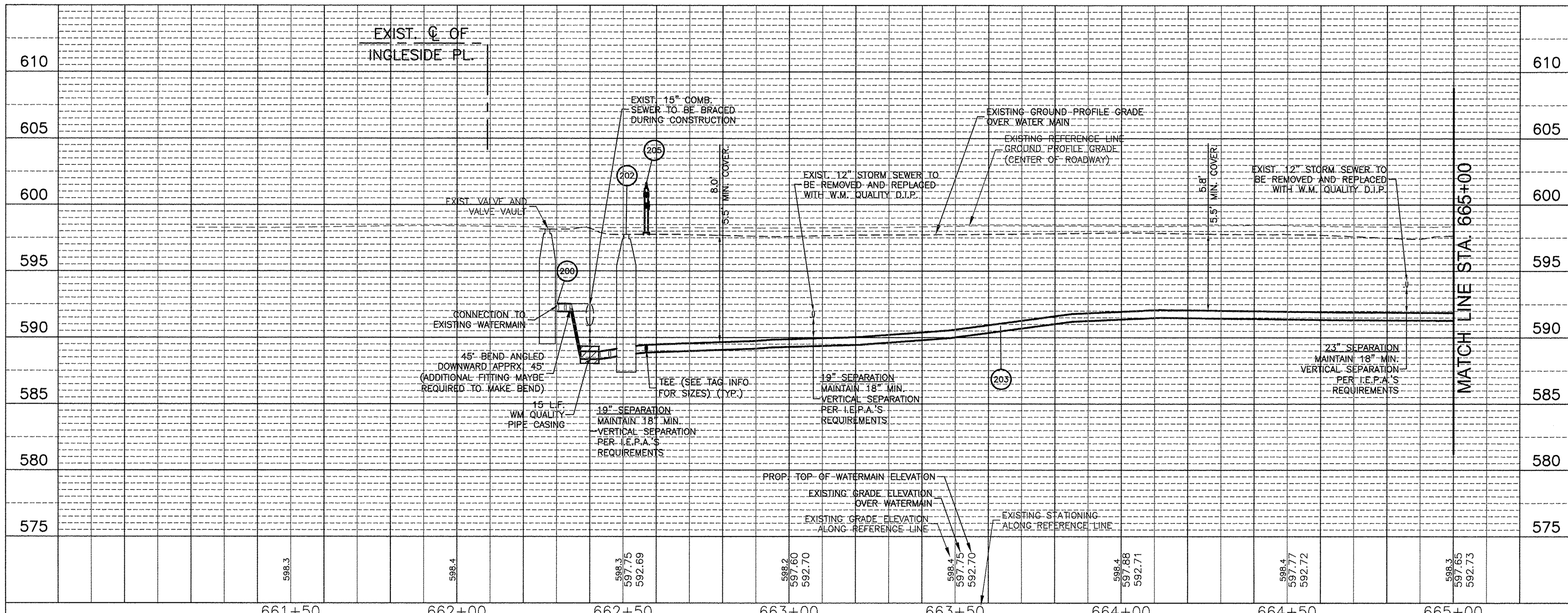
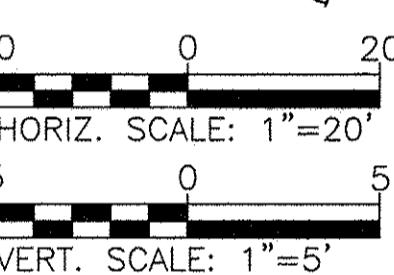
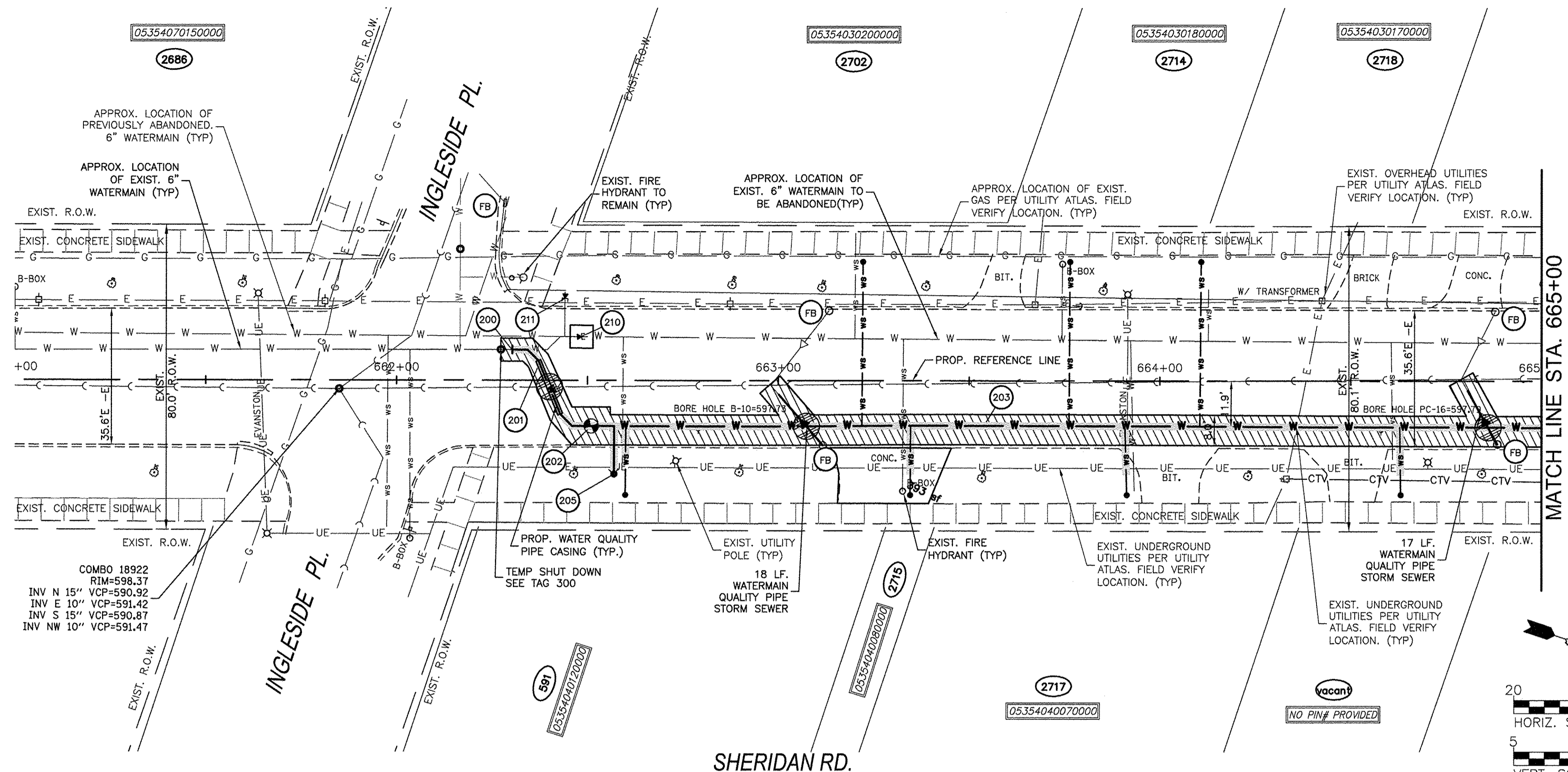
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CONTRACT NO. 61036				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLAN		
DATE	BY	SURVEYED
		ALIGNMENT CHECKED
		RT. OF WAY CHECKED
		NOTE BOOK NO.
		DATE
		NO.

PROFILE		
DATE	BY	SURVEYED
		GRADES CHECKED
		BEAM NOTED
		STRUCTURE NOTATIONS CHKD
		NOTE BOOK NO.
		NO.

COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: 11/14/2016 12:02 PM  
 CLIENT: 91140095-PnP-Sheridan\_Rd  
 FILE NAME: DWG To PDF.pc3  
 PLOT DRIVER: SEC-Standard.ctb  
 PEN TABLE:

- # WATERMAIN TAGS**
- 200 CUT AND RECONNECT TO EXIST. 6" MAIN CONTRACTOR TO LOCATE NEAREST VALVE FOR RECONNECT (SEE PLANS)
  - 201 33 LIN FT WM 6" WITH BENDS & TEES
  - 202 6" VALVE AND 5' DIA VALVE VAULT STA 662+63.4, 12.0' RT RIM = 597.75
  - 203 498 LIN FT WM 6" WITH BENDS & TEE'S
  - 205 FIRE HYDRANT W/ AUX. VALVE STA 662+57.0, 24.7' RT BURY ELEV = 598.05 13 LIN FT WATER MAIN LEAD 6"
  - 210 CUT EXISTING 6" AND MJ CAP CITY TO LOCATE NEAREST VALVE FOR RECONNECT (SEE PLANS)
  - 211 EXIST. FIRE HYDRANT TO BE REMOVED AND RETURNED TO THE CITY MJ CAP REQUIRED AT END OF LEAD



**PROJECT LEGEND:**

- DENOTES WATERMAIN QUALITY CASING PIPE
- DENOTES TRENCH BACKFILL
- DENOTES MAINTAIN 18" VERTICAL SEPARATION PER TO I.E.P.A.'S REQUIREMENTS
- INDICATES EROSION CONTROL MEASURES

USER NAME = MLEWIS	DESIGNED - MPL/MH	REVISED -
FILE NAME = 91140095-PnP-Sheridan_Rd	DRAWN - MPL/CF	REVISED -
PLOT SCALE = 1"=20'	CHECKED - MH	REVISED -
PLOT DATE = 11/14/2016	DATE - 11/11/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**CHICAGO AVE/SHERIDAN RD.**  
**WATER MAIN REPLACEMENT**  
**PLAN AND PROFILE - STA 661+00 TO STA 665+00**  
 SCALE: 1"=20' SHEET NO. 1 OF 5 SHEETS STA. 661+00 TO STA. 665+00

F.A.P. RTE. 2853	SECTION 14-00273-00-BT	COUNTY COOK	TOTAL SHEETS 274	SHEET NO. 106
CONTRACT NO. 61D36				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

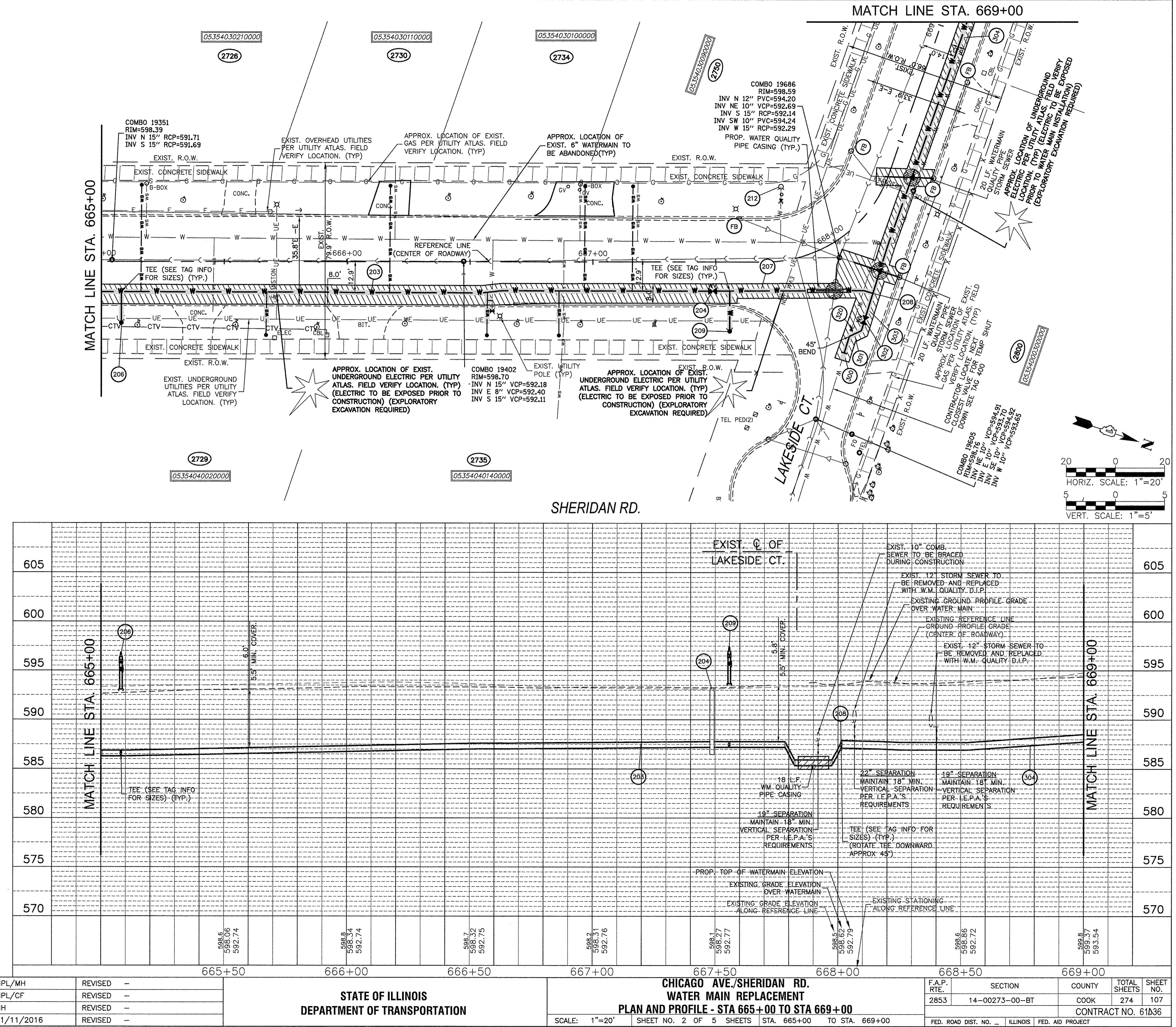
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	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		
	NOTE BOOK		
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	NO.		
	NO.		

PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	EX. NOTED		
	STRUCTURE NOTATIONS OK'D		
	NOTE BOOK		
	NO.		
	NO.		

COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: USER NAME = MLEWIS  
 DATE PLOTTED: 11/14/2016 12:10 PM  
 FILE NAME: 91140095-PnP-Sheridan\_Rd  
 PLOT DRIVER: DWG To PDF.pc3  
 PEN TABLE: SEC-Standard.ctb

#	WATERMAIN TAGS
203	498 LIN FT WM 6" WITH BENDS & TEE'S
204	6" VALVE AND VALVE BOX STA 667+48.75, 12.0' RT RIM = 598.25
206	FIRE HYDRANT W/ AUX. VALVE STA 665+08.2, 25.0' RT BURY ELEV = 598.25 13 LIN FT WATER MAIN LEAD 6"
207	66 LIN FT WM 6" WITH BENDS & TEE'S
208	6"x6"x6" TEE ADD 8"x6" REDUCER
209	FIRE HYDRANT W/ AUX. VALVE STA 667+55.70, 28.3' RT BURY ELEV = 598.85 16 LIN FT WATER MAIN LEAD 6"
212	EXIST. FIRE HYDRANT TO BE REMOVED AND RETURNED TO THE CITY MJ CAP REQUIRED AT END OF LEAD
300	CONNECT TO EXISTING 6" MAIN CITY TO LOCATE NEAREST VALVE FOR RECONNECT (SEE PLANS)
301	17 LIN FT WM 6" WITH BENDS
302	6" VALVE AND VALVE BOX STA 667+95.8, 33.9' RT RIM = 598.65
303	12 LIN FT WM 6" WITH BENDS AND 6" X 8" REDUCER
304	242 LIN FT WM 8" WITH BENDS & TEE'S
320	CUT EXISTING 6" AND MJ CAP CITY TO LOCATE NEAREST VALVE FOR RECONNECT (SEE PLANS)

PROJECT LEGEND:	
	DENOTES WATERMAIN QUALITY CASING PIPE
	DENOTES TRENCH BACKFILL
	DENOTES MAINTAIN 18" VERTICAL SEPARATION PER TO I.E.P.A.'S REQUIREMENTS
	INDICATES EROSION CONTROL MEASURES



STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

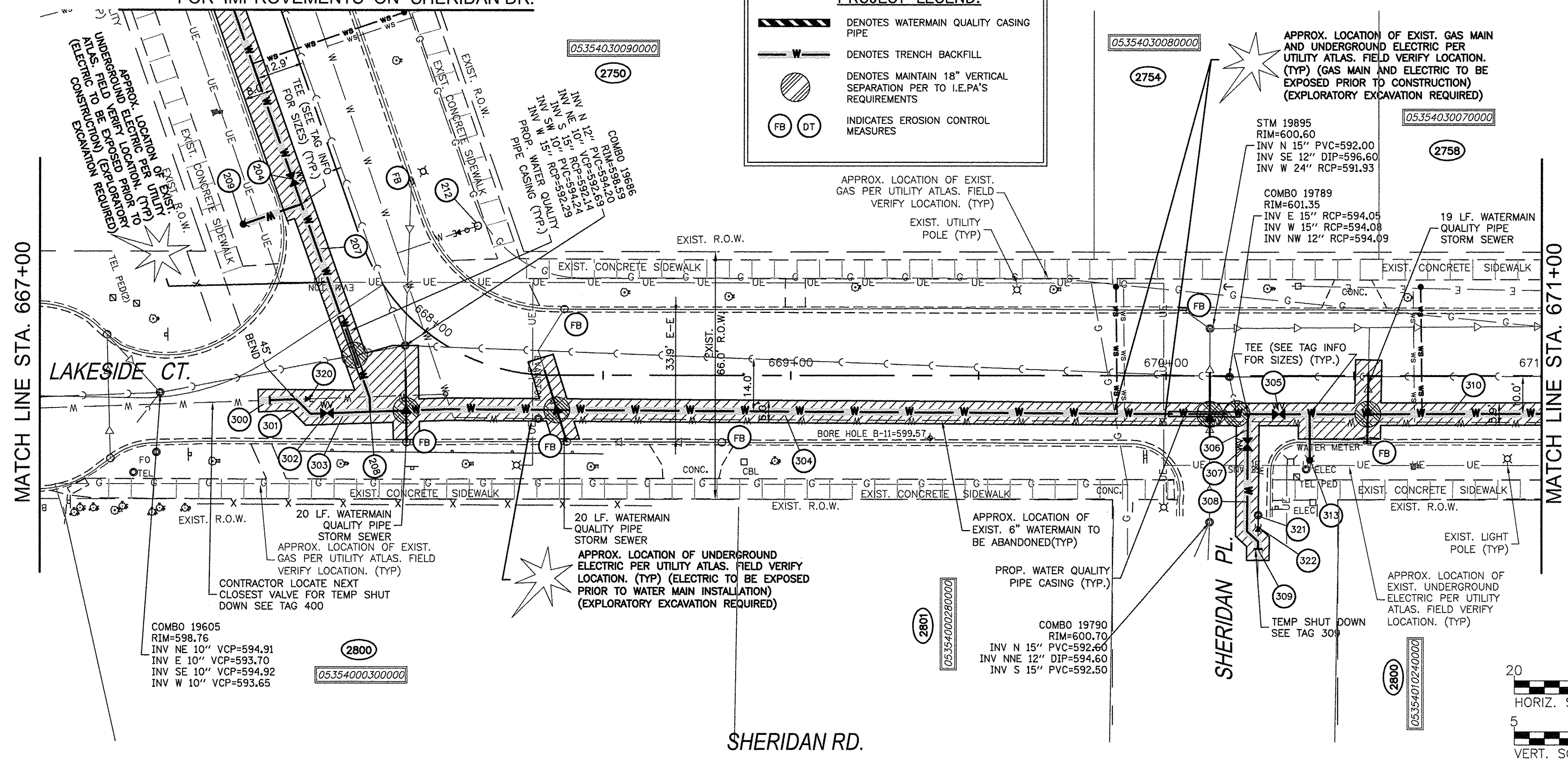
CHICAGO AVE/SHERIDAN RD.  
 WATER MAIN REPLACEMENT  
 PLAN AND PROFILE - STA 665+00 TO STA 669+00  
 SCALE: 1"=20' SHEET NO. 2 OF 5 SHEETS STA. 665+00 TO STA. 669+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	107
CONTRACT NO. 61D36				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

SEE SHEET NO. 107  
FOR IMPROVEMENTS ON SHERIDAN DR.

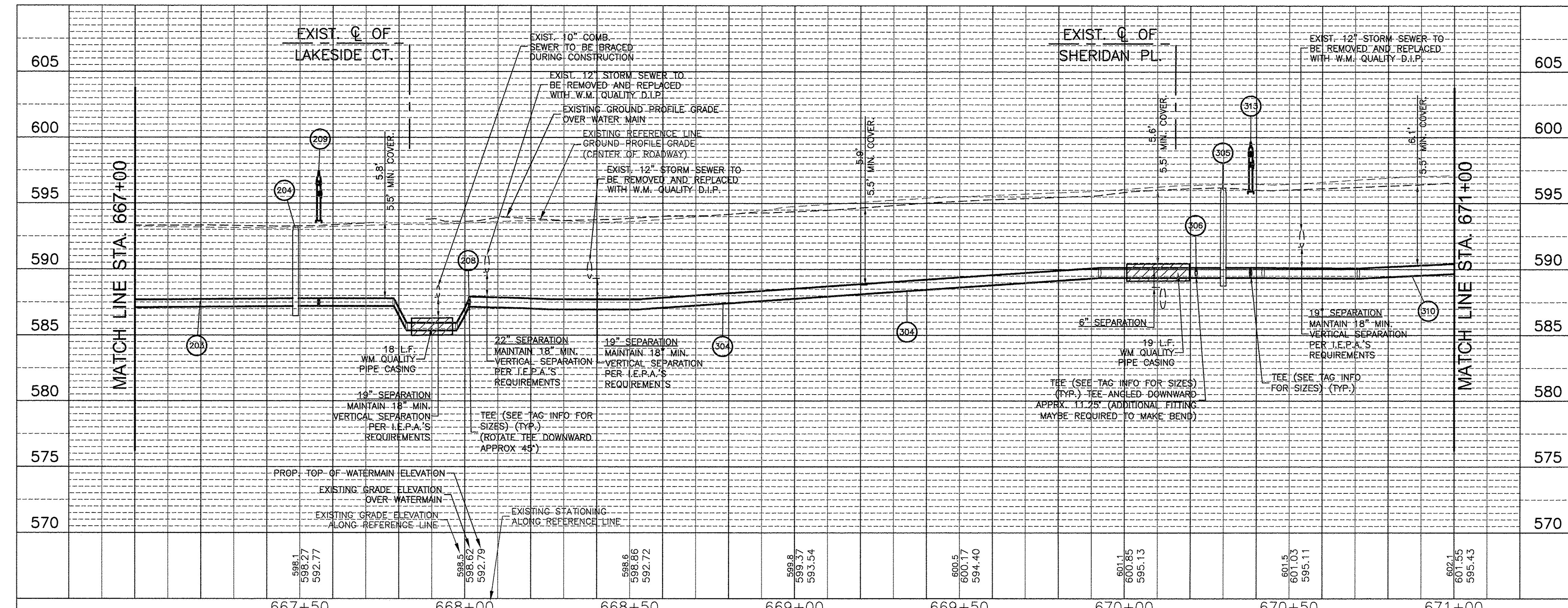
**PROJECT LEGEND:**

- DENOTES WATERMAIN QUALITY CASING PIPE
- DENOTES TRENCH BACKFILL
- DENOTES MAINTAIN 18" VERTICAL SEPARATION PER TO I.E.P.A.'S REQUIREMENTS
- FB DT INDICATES EROSION CONTROL MEASURES



**# WATERMAIN TAGS**

204	6" VALVE AND VALVE BOX STA 667+48.75, 12.0' RT RIM = 598.25
207	66 LIN FT WM 6" WITH BENDS & TEES
208	6"x6"x6" TEE ADD 8"x6" REDUCER
209	FIRE HYDRANT W/ AUX. VALVE STA 667+55.70, 28.3' RT BURY ELEV = 598.85 16 LIN FT WATER MAIN LEAD 6"
212	EXIST. FIRE HYDRANT TO BE REMOVED AND RETURNED TO THE CITY MJ CAP REQUIRED AT END OF LEAD
300	CONNECT TO EXISTING 6" MAIN CITY TO LOCATE NEAREST VALVE FOR RECONNECT (SEE PLANS)
301	17 LIN FT WM 6" WITH BENDS
302	6" VALVE AND VALVE BOX STA 667+95.8, 33.9' RT RIM = 598.65
303	12 LIN FT WM 6" WITH BENDS AND 6" X 8" REDUCER
304	242 LIN FT WM 8" WITH BENDS & TEE'S
305	8" VALVE AND VALVE BOX STA 670+30.0, 10.2' RT RIM = 601.20
306	8 LIN FT WM 8" WITH BENDS & TEE'S
307	8" VALVE AND VALVE BOX STA 670+21.6, 18.2' RT RIM = 600.85
308	29 LIN FT WM 8" WITH BENDS & TEE'S
309	CUT AND RECONNECT TO EXIST. 6" MAIN CITY TO LOCATE NEAREST VALVE FOR RECONNECT (SEE PLANS)
310	790 LIN FT WM 8" WITH BENDS & TEE'S
313	FIRE HYDRANT W/ AUX. VALVE STA 670+38.3, 22.5' RT BURY ELEV = 601.05 12 LIN FT WATER MAIN LEAD 6"
320	CUT EXISTING 6" AND MJ CAP CITY TO LOCATE NEAREST VALVE FOR RECONNECT (SEE PLANS)
321	ABANDON EXISTING VALVE
322	CUT EXISTING 6" AND MJ CAP CITY TO LOCATE NEAREST VALVE FOR RECONNECT (SEE PLANS)



PLAN

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

PROFILE

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

COMPANY NAME: HRGreen.com  
PROJECT CONTACT: USER NAME = MLEWIS  
DATE PLOTTED: 11/14/2016 12:19 PM  
FILE NAME: 91140095-PnP-Sheridan\_Rd  
PLOT DRIVER: DWG To PDF.pc3  
SEC: Standard.ctb

	USER NAME = MLEWIS FILE NAME = 91140095-PnP-Sheridan_Rd PLOT SCALE = 1"=20' PLOT DATE = 11/14/2016	DESIGNED -- MPL/MH DRAWN -- MPL/CF CHECKED -- MH DATE -- 11/11/2016	REVISED -- REVISED -- REVISED -- REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CHICAGO AVE/SHERIDAN RD. WATER MAIN REPLACEMENT PLAN AND PROFILE - STA 667+00 TO STA 671+00	F.A.P. RTE. 2853 SECTION 14-00273-00-BT COUNTY COOK TOTAL SHEETS 274 SHEET NO. 108	CONTRACT NO. 61036 ILLINOIS FED. AID PROJECT
	SCALE: 1"=20' SHEET NO. 3 OF 5 SHEETS STA. 667+00 TO STA. 671+00		FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

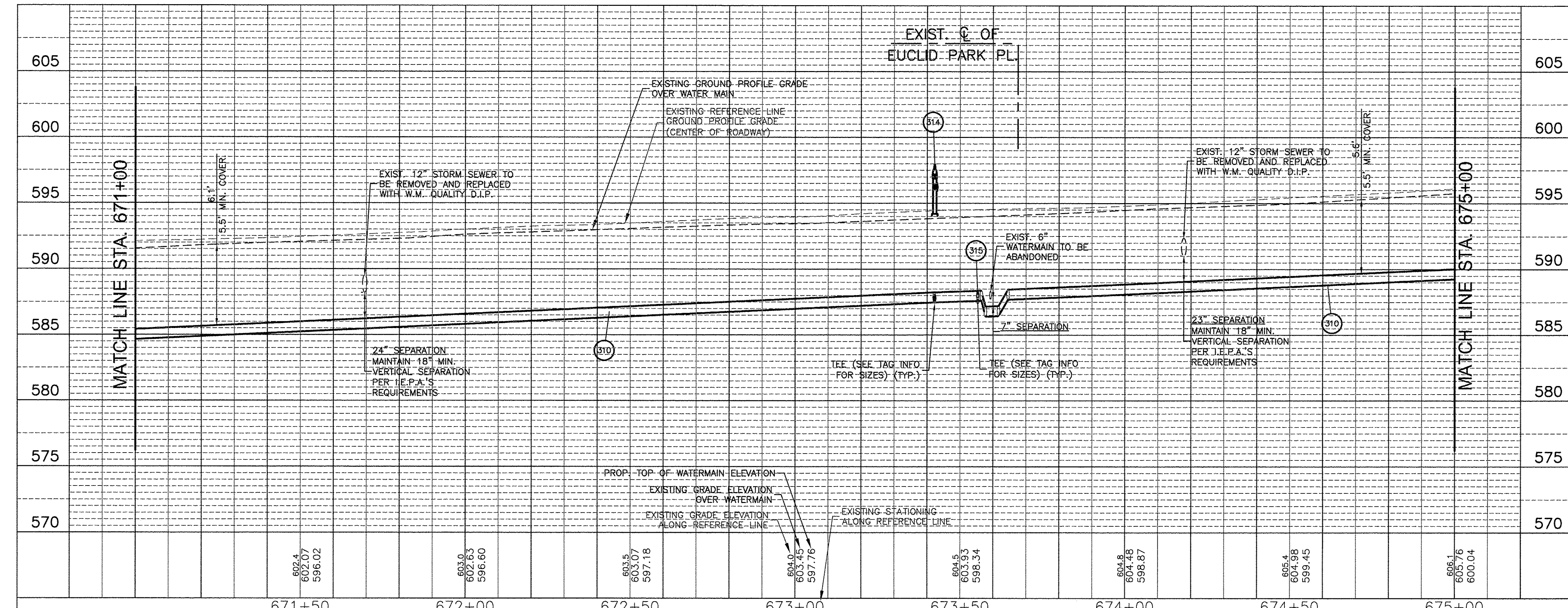
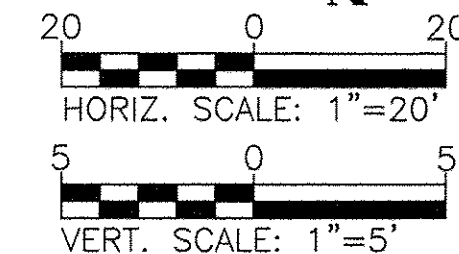
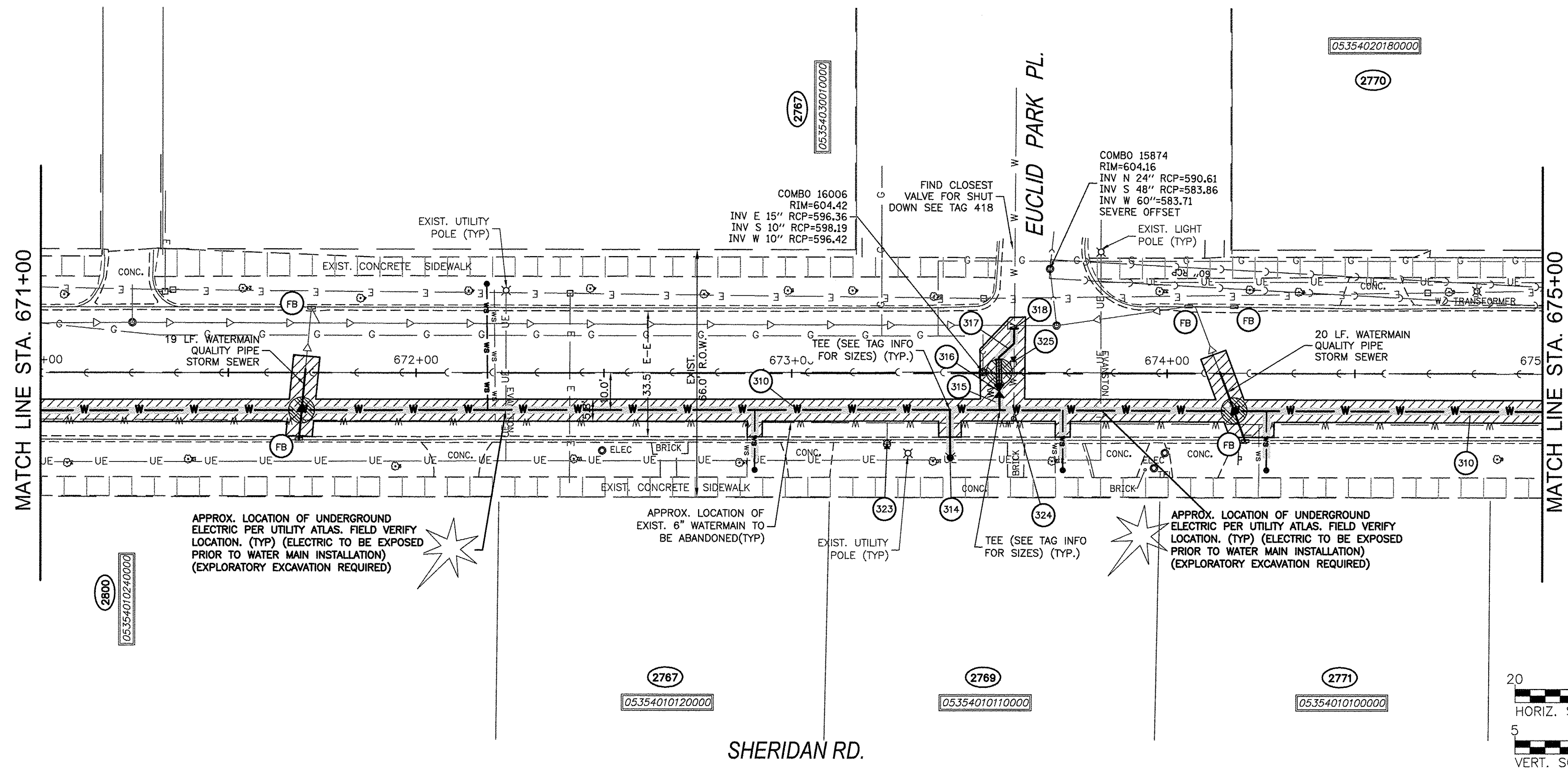


PLAN	SURVEYED	BY	DATE
	ALIGNED		
	CHECKED		
	RT. OF WAY		
	CHECKED		
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	NO.		

PROFILE	SURVEYED	BY	DATE
	GRADES		
	CHECKED		
	ELM. NOTED		
	STRUCTURE		
	NOTATIONS		
	CHKD		
	NO.		

COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: 11/14/2016 12:24 PM  
 CLIENT: 91140095-PnP-Sheridan\_Rd  
 FILE NAME: 91140095-PnP-Sheridan\_Rd  
 PLOT DRIVER: DMC To PDF.pc3  
 PEN TABLE: SEC-Standard.ctb

#	WATERMAIN TAGS
310	790 LIN FT WM 8" WITH BENDS & TEE'S
314	FIRE HYDRANT W/ AUX. VALVE STA 673+42.3, 22.5' RT BURY ELEV = 604.35 13 LIN FT WATER MAIN LEAD 6"
315	5 LIN FT WM 8" WITH TEE
316	8" VALVE AND VALVE BOX STA 673+55.2, 4.8' RT RIM = 604.30
317	23 LIN FT WM 8" WITH BENDS
318	CUT AND RECONNECT TO EXIST. 6" MAIN 8" X 6" REDUCER CITY TO LOCATE NEAREST VALVE FOR RECONNECT (SEE PLANS)
323	EXIST. FIRE HYDRANT TO BE REMOVED AND RETURNED TO THE CITY MJ CAP REQUIRED AT END OF LEAD
324	ABANDON EXISTING VALVE
325	CUT EXISTING 6" AND MJ CAP CITY TO LOCATE NEAREST VALVE FOR RECONNECT (SEE PLANS)



PROJECT LEGEND:	
	DENOTES WATERMAIN QUALITY CASING PIPE
	DENOTES TRENCH BACKFILL
	DENOTES MAINTAIN 18" VERTICAL SEPARATION PER TO I.E.P.A.'S REQUIREMENTS
	INDICATES EROSION CONTROL MEASURES

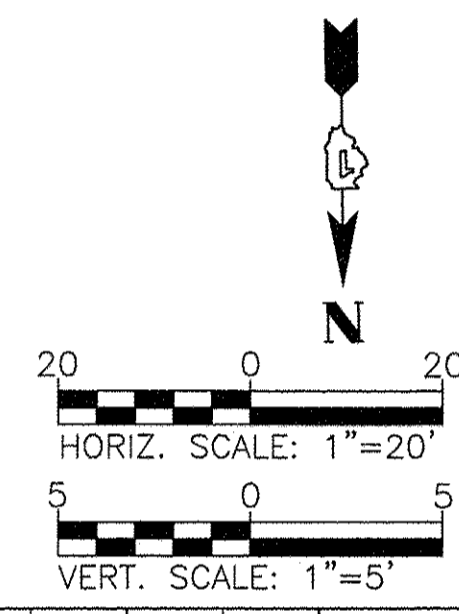
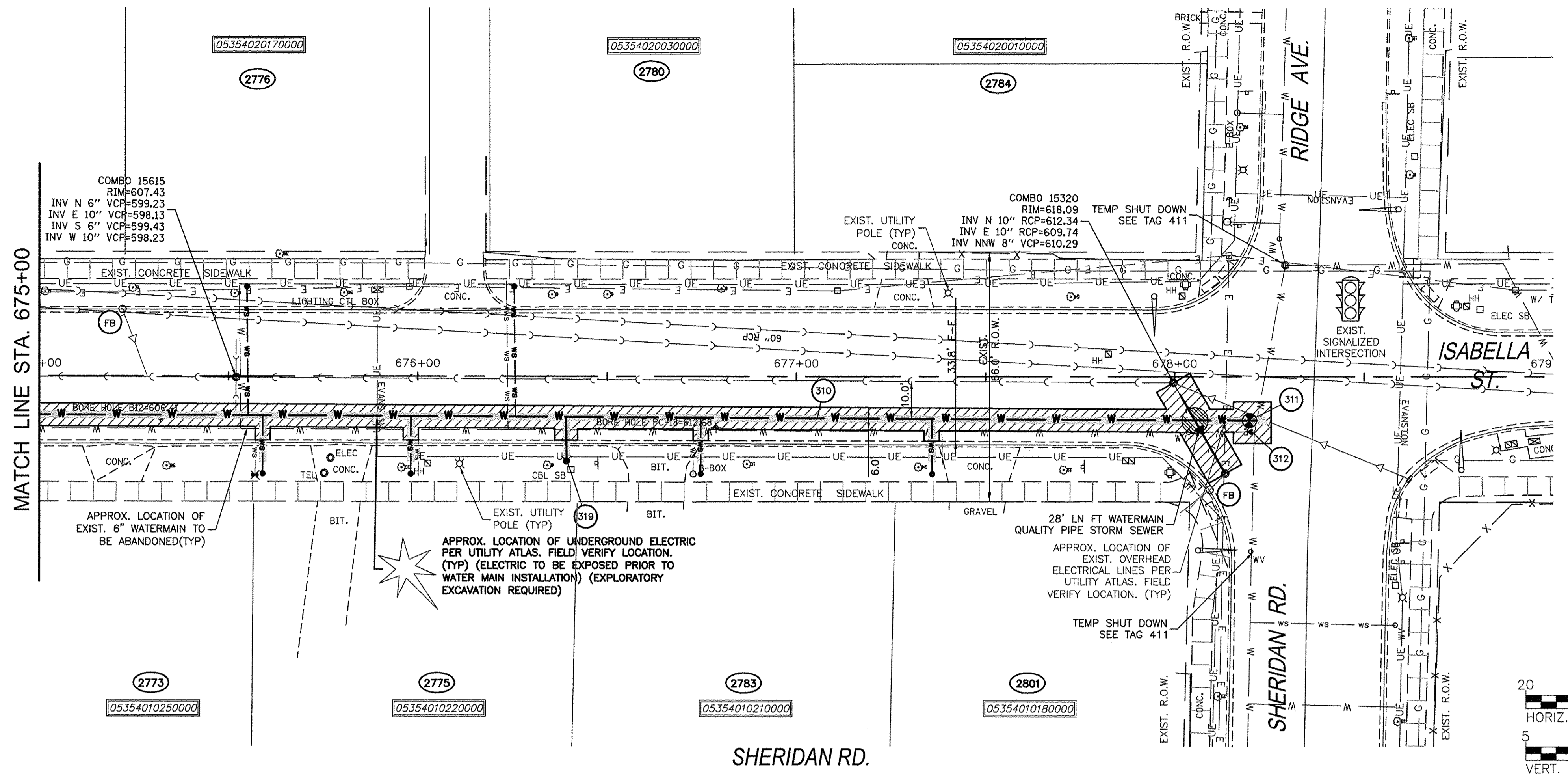
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FILE NAME = 91140095-PnP-Sheridan_Rd	DRAWN - MPL/CF	REVISED -
PLOT SCALE = 1"=20'	CHECKED - MH	REVISED -
PLOT DATE = 11/14/2016	DATE - 11/11/2016	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

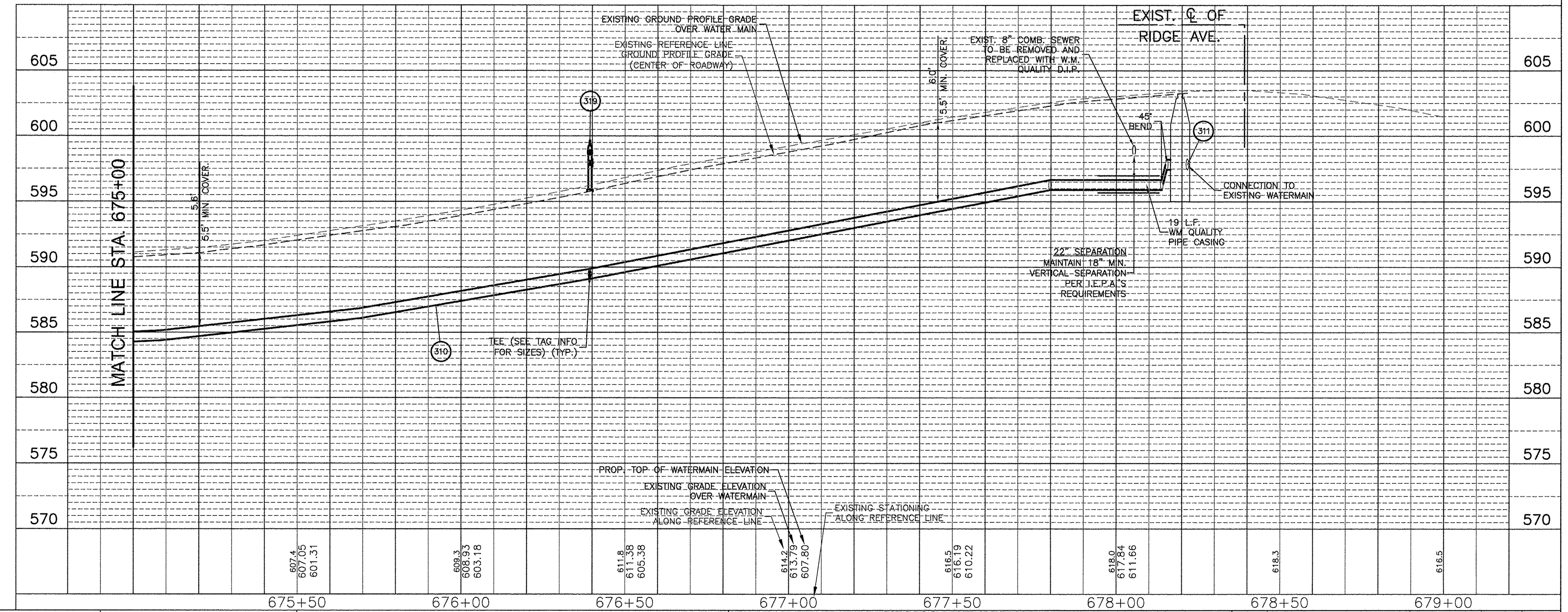
CHICAGO AVE/SHERIDAN RD.  
 WATER MAIN REPLACEMENT  
 PLAN AND PROFILE - STA 671+00 TO STA 675+00  
 SCALE: 1"=20' SHEET NO. 4 OF 5 SHEETS STA. 671+00 TO STA. 675+00

F.A.P. RTE. 2853	SECTION 14-00273-00-BT	COUNTY COOK	TOTAL SHEETS 274	SHEET NO. 109
CONTRACT NO. 61036				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

#	WATERMAIN TAGS
310	790 LIN FT WM 8" WITH BENDS & TEE'S
311	CONNECT TO EXISTING 10" MAIN 8" VALVE AND 5' DIA VALVE VAULT INCLUDING 10"x10"x8" TEE CITY TO LOCATE NEAREST VALVE STA 678+19.7, 11.5' RT RIM = 618.25
312	CUT EXISTING 6" AND MJ CAP CITY TO LOCATE NEAREST VALVE FOR RECONNECT (SEE PLANS)
319	FIRE HYDRANT W/ AUX. VALVE STA 676+39.2, 22.5' RT BURY ELEV = 611.05 12 LIN FT WATER MAIN LEAD 6"



PROJECT LEGEND:	
	DENOTES WATERMAIN QUALITY CASING PIPE
	DENOTES TRENCH BACKFILL
	DENOTES MAINTAIN 18" VERTICAL SEPARATION PER TO I.E.P.A.'S REQUIREMENTS
	INDICATES EROSION CONTROL MEASURES



PLAN	DATE
SURVEYED	
ALIGNED	
CHECKED	
BY	
NOTE BOOK	
NO.	

PROFILE	DATE
SURVEYED	
GRADES CHECKED	
PLOTTED	
BY	
NOTE BOOK	
NO.	

COMPANY NAME: HRGreen.com  
 PROJECT: CHICAGO AVE./SHERIDAN RD.  
 CLIENT: STATE OF ILLINOIS  
 DATE PLOTTED: 11/14/2016 12:28 PM  
 FILE NAME: 91140095-PnP-Sheridan\_Rd  
 PLOT DRIVER: DWG To PDF.pc3  
 PEN TABLE: SEC-Standard.ctb

HRGreen.com  
 Illinois Professional Design Firm  
 #184.001322

USER NAME = MLEWIS	DESIGNED - MPL/MH	REVISED -
FILE NAME = 91140095-PnP-Sheridan_Rd	DRAWN - MPL/CF	REVISED -
PLOT SCALE = 1"=20'	CHECKED - MH	REVISED -
PLOT DATE = 11/14/2016	DATE - 11/11/2016	REVISED -

DESIGNED - MPL/MH	REVISED -
DRAWN - MPL/CF	REVISED -
CHECKED - MH	REVISED -
DATE - 11/11/2016	REVISED -

675+50	676+00	676+50	677+00	677+50	678+00	678+50	679+00
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CHICAGO AVE./SHERIDAN RD.  
 WATER MAIN REPLACEMENT  
 PLAN AND PROFILE - STA 675+00 TO STA 679+00  
 SCALE: 1"=20' SHEET NO. 5 OF 5 SHEETS STA. 675+00 TO STA. 679+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61D36				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

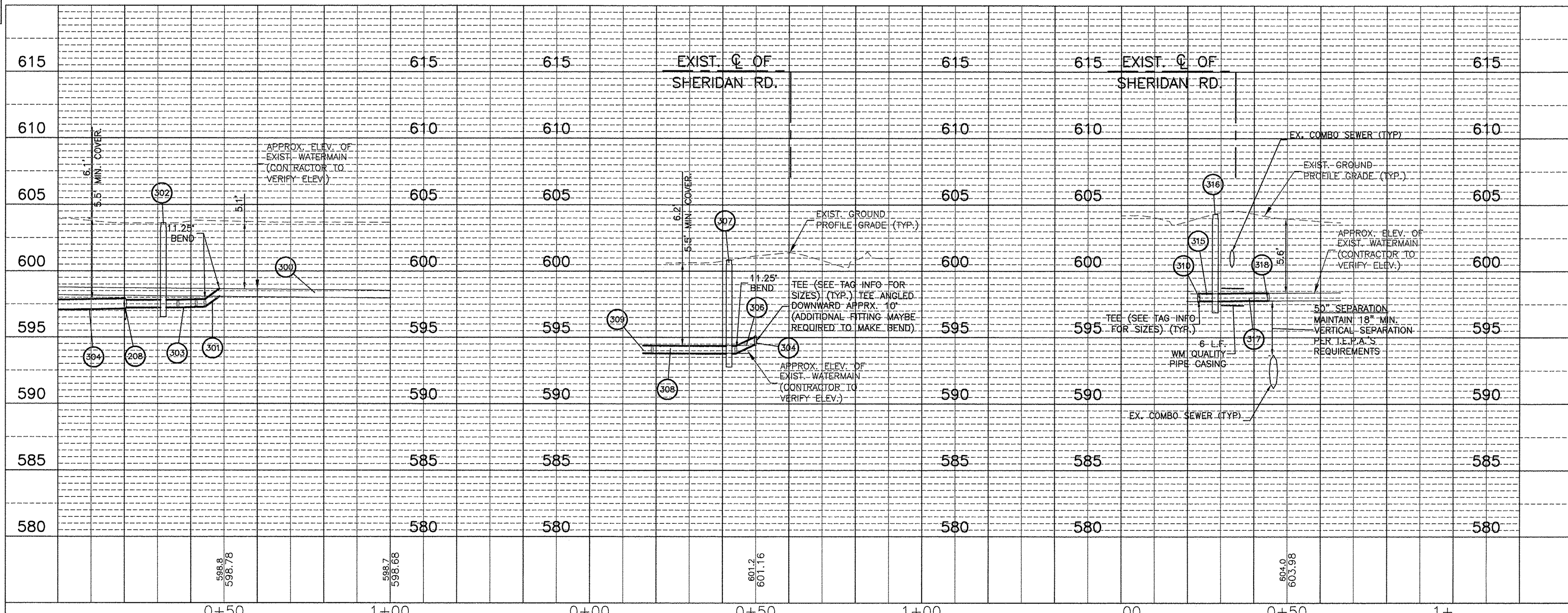
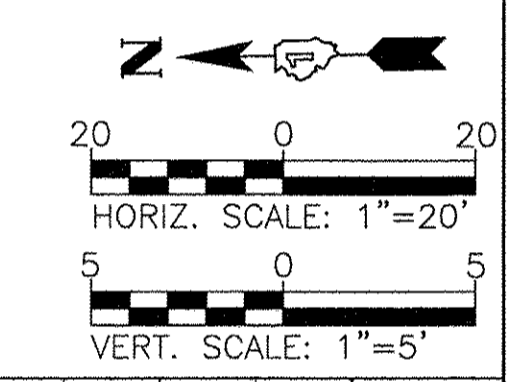
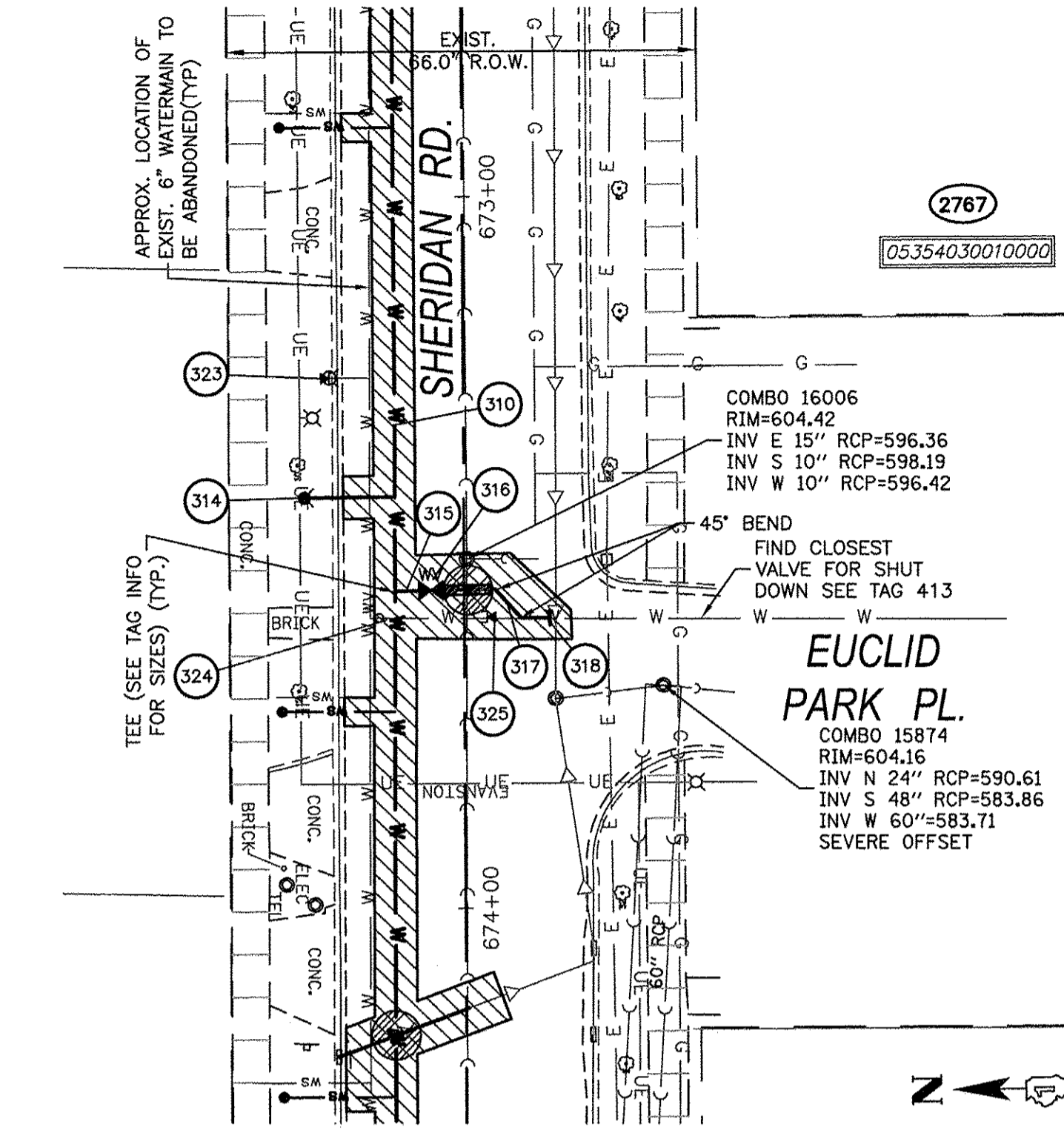
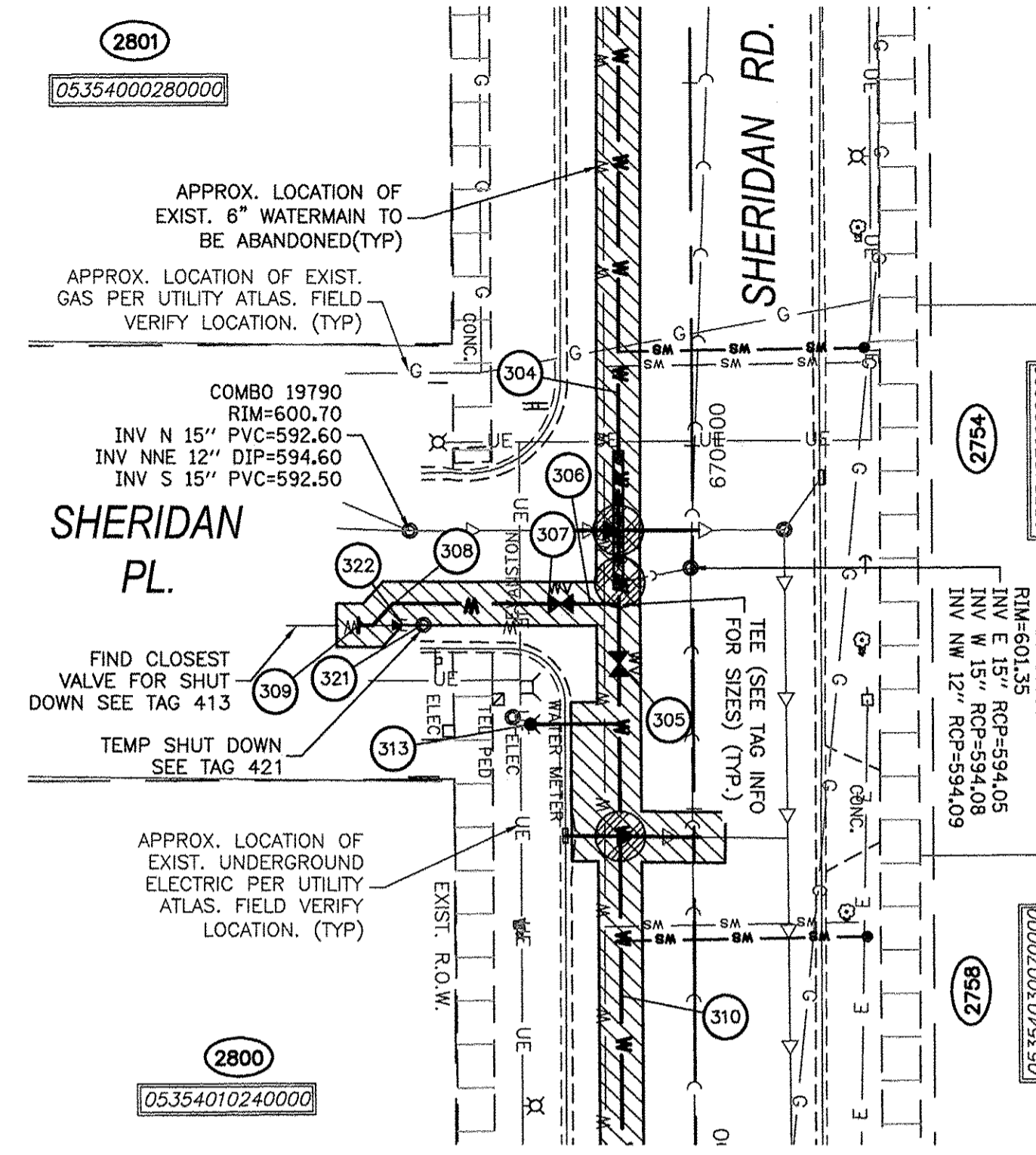
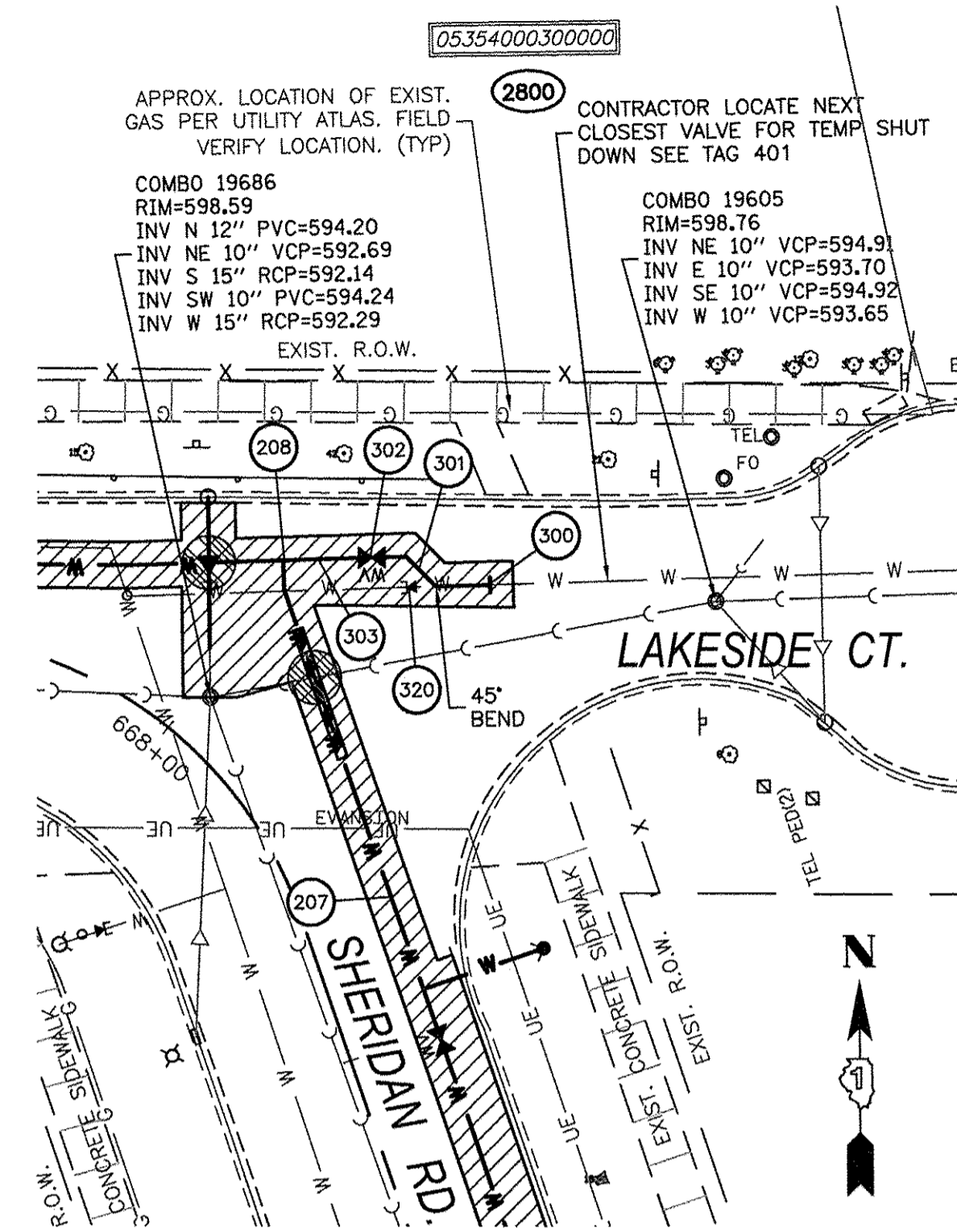
DATE	
BY	
PLAN	
SURVEYED	
ALIGNED	
CHECKED	
RT. OF WAY	
CHECKED	
NO. OF WAY	
FILE NAME	
NO.	

DATE	
BY	
PROFILE	
SURVEYED	
GRADES	
CHECKED	
BEAM	
NOTED	
STRUCTURE	
NOTATIONS	
CHKD	
NO.	

COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: 11/14/2016 12:50 PM  
 CLIENT: 91140095-PnP-Sheridan\_Rd-Intersections  
 DATE PLOTTED: 11/14/2016 12:50 PM  
 FILE NAME: 91140095-PnP-Sheridan\_Rd-Intersections  
 PLOT DRIVER: DWG To PDF.pc3  
 PEN TABLE: SEC-Standard.ctb

### WATERMAIN TAGS

- |  |  |
|--|--|
| 207 66 LIN FT WM 6" WITH BENDS & TEES  | 313 FIRE HYDRANT W/ AUX. VALVE STA 670+38.3, 22.5' RT BURY ELEV = 601.05                                       |
| 208 6"x6"x6" TEE ADD 8"x6" REDUCER   | 12 LIN FT WATER MAIN LEAD 6"   |
| 300 CONNECT TO EXISTING 6" MAIN CITY TO LOCATE NEAREST VALVE FOR RECONNECT (SEE PLANS)         | 314 FIRE HYDRANT W/ AUX. VALVE STA 673+42.3, 22.5' RT BURY ELEV = 604.35                                       |
| 301 17 LIN FT WM 6" WITH BENDS   | 315 5 LIN FT WM 8" WITH TEE  |
| 302 6" VALVE AND VALVE BOX STA 667+95.8, 33.9' RT RIM = 598.65                                 | 316 8" VALVE AND VALVE BOX STA 673+55.2, 4.8' RT RIM = 604.30  |
| 303 12 LIN FT WM 6" WITH BENDS AND 6" X 8" REDUCER   | 317 23 LIN FT WM 8" WITH BENDS   |
| 304 242 LIN FT WM 8" WITH BENDS & TEE'S  | 318 CUT AND RECONNECT TO EXIST. 6" MAIN 8" X 6" REDUCER CITY TO LOCATE NEAREST VALVE FOR RECONNECT (SEE PLANS) |
| 305 8" VALVE AND VALVE BOX STA 670+30.0, 10.2' RT RIM = 601.20                                 | 320 CUT EXISTING 6" AND MJ CAP CITY TO LOCATE NEAREST VALVE FOR RECONNECT (SEE PLANS)                          |
| 306 8 LIN FT WM 8" WITH BENDS & TEE'S  | 321 ABANDON EXISTING VALVE   |
| 307 8" VALVE AND VALVE BOX STA 670+21.6, 18.2' RT RIM = 600.85                                 | 322 CUT EXISTING 6" AND MJ CAP CITY TO LOCATE NEAREST VALVE FOR RECONNECT (SEE PLANS)                          |
| 308 29 LIN FT WM 8" WITH BENDS & TEE'S   | 323 EXIST. FIRE HYDRANT TO BE REMOVED AND RETURNED TO THE CITY MJ CAP REQUIRED AT END OF LEAD                  |
| 309 CUT AND RECONNECT TO EXIST. 6" MAIN CITY TO LOCATE NEAREST VALVE FOR RECONNECT (SEE PLANS) | 324 ABANDON EXISTING VALVE   |
| 310 790 LIN FT WM 8" WITH BENDS & TEE'S  | 325 CUT EXISTING 6" AND MJ CAP CITY TO LOCATE NEAREST VALVE FOR RECONNECT (SEE PLANS)                          |



**PROJECT LEGEND:**

- DENOTES WATERMAIN QUALITY CASING PIPE
- DENOTES TRENCH BACKFILL
- DENOTES MAINTAIN 18" VERTICAL SEPARATION PER TO I.E.P.A.'S REQUIREMENTS
- INDICATES EROSION CONTROL MEASURES

USER NAME = MLEWIS	DESIGNED -- MPL/MH	REVISED --
FILE NAME = 91140095-PnP-Sheridan_Rd-Intersections	DRAWN -- MPL/CF	REVISED --
PLOT SCALE = 1"=20'	CHECKED -- MH	REVISED --
PLOT DATE = 11/14/2016	DATE -- 11/11/2016	REVISED --

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

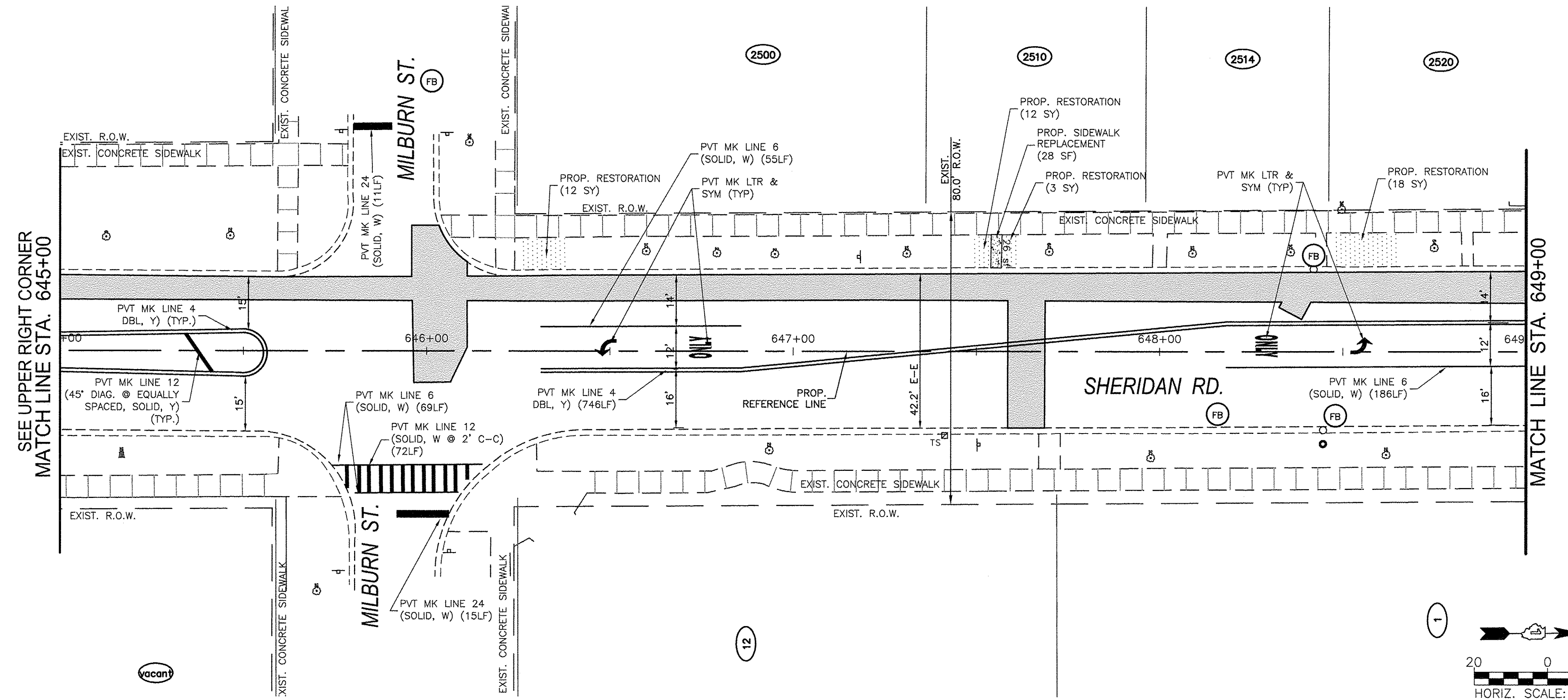
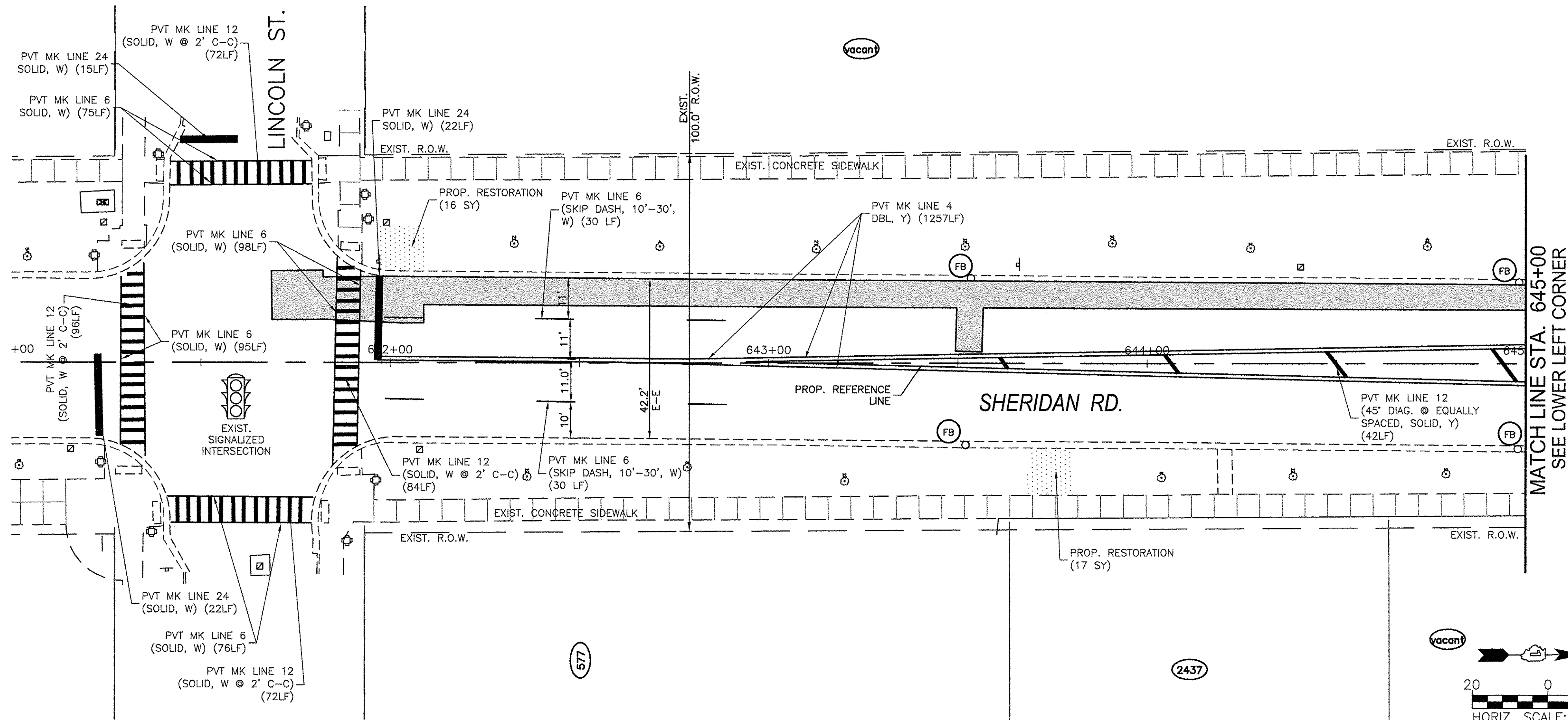
CHICAGO AVE/SHERIDAN RD. WATER MAIN REPLACEMENT PLAN AND PROFILE - INTERSECTION DETAILS		F.A.P. RTE. 2853	SECTION 14-00273-00-BT	COUNTY COOK	TOTAL SHEETS 274	SHEET NO. 111
SCALE: 1"=20'		SHEET NO. 1 OF 1 SHEETS		CONTRACT NO. 61536		
STA. TO STA.		FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

**PROJECT LEGEND:**

(FB)	INDICATES EROSION CONTROL MEASURES
(PS)	INDICATES 4" TOPSOIL AND IDOT CLASS 1A SALT TOLERANT ROADSIDE MIXTURE SOD
(P)	INDICATES HMA RESURFACING / PATCHING (SEE TYPICAL SECTION FOR DETAILS)
(P)	INDICATES HMA DRIVEWAY REPLACEMENT (SEE TYPICAL SECTION FOR DETAILS)
(P)	INDICATES CONCRETE DRIVEWAY REPLACEMENT (SEE TYPICAL SECTION FOR DETAILS)
(P)	INDICATES CONCRETE SIDEWALK REPLACEMENT (SEE TYPICAL SECTION FOR DETAILS)
(P)	INDICATES ADA SIDEWALK RAMP
(CG)	INDICATES DETECTABLE WARNING TRUNCATED DOMES
(CG)	INDICATES CONCRETE CURB & GUTTER
(CG)	INDICATES DEPRESSED CURB

**NOTE:**

- ALL STRIPING SHALL BE PAINT UNLESS OTHERWISE NOTED



COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: HRGreen  
 DATE PLOTTED: 11/14/2016 10:56 AM  
 CLIENT: 91140095-Srip\_Rest\_Pln-Sheridan\_Rd  
 FILE NAME: 91140095-Srip\_Rest\_Pln-Sheridan\_Rd.dwg  
 PLOT DRIVER: DWG To PDF.pc3  
 SEC-Standard.ctb

**HRGreen.com**  
 Illinois Professional Design Firm  
 #184.001322

USER NAME = MLEWIS	DESIGNED - MPL/MH	REVISED -
FILE NAME = 91140095-Srip_Rest_Pln-Sheridan_Rd.dwg	DRAWN - MPL/CF	REVISED -
PLOT SCALE = 1"=20'	CHECKED - MH	REVISED -
PLOT DATE = 11/14/2016	DATE - 11/11/2016	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CHICAGO AVE./SHERIDAN RD.  
 WATER MAIN REPLACEMENT  
 SHERIDAN RD. - INTERIM PAVEMENT & RESTORATION PLAN**

SCALE: 1"=20' SHEET NO. 1 OF 5 SHEETS STA. 641+00 TO STA. 649+00

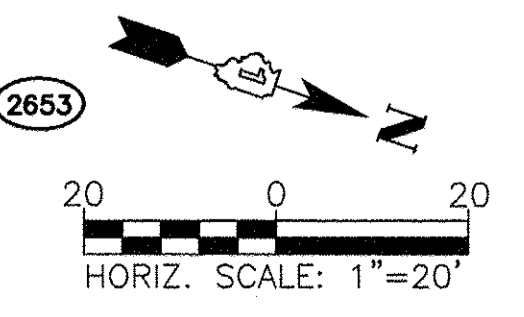
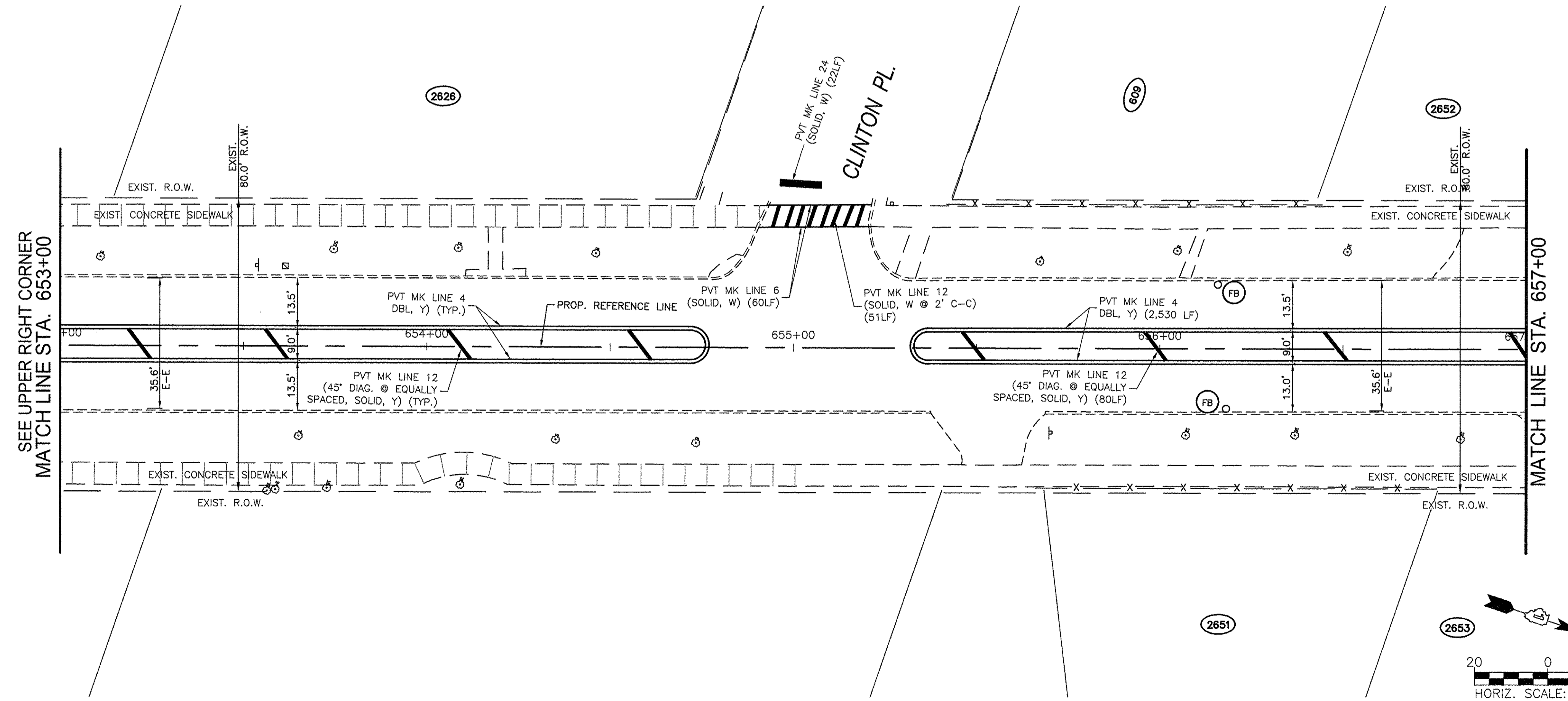
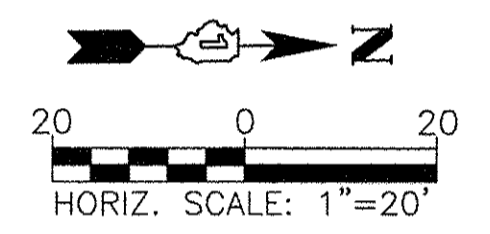
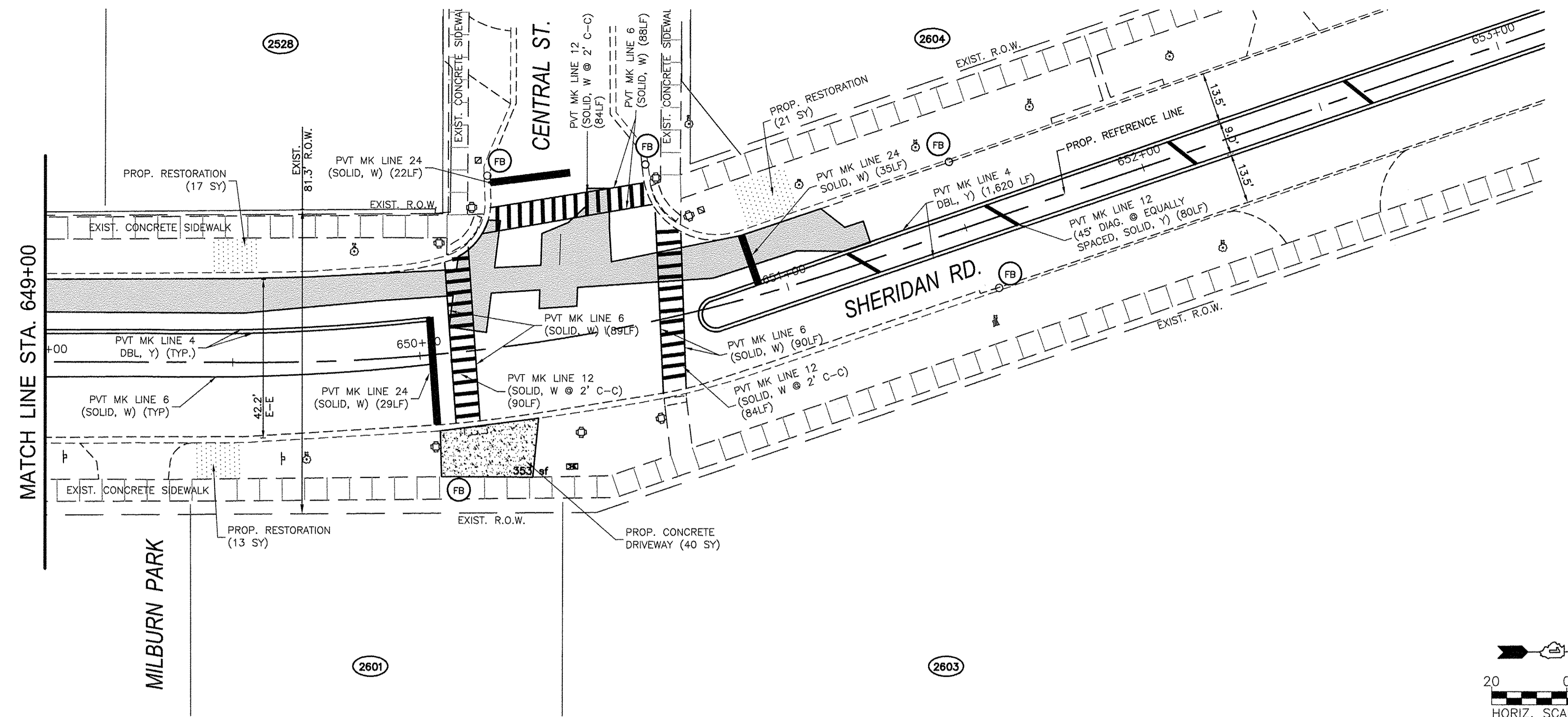
F.A.P. RTE. 2853	SECTION 14-00273-00-BT	COUNTY COOK	TOTAL SHEETS 274	SHEET NO. 112
CONTRACT NO. 61D36				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

**PROJECT LEGEND:**

(FB)	INDICATES EROSION CONTROL MEASURES
(PS)	INDICATES 4" TOPSOIL AND IDOT CLASS 1A SALT TOLERANT ROADSIDE MIXTURE SOD
(P)	INDICATES HMA RESURFACING / PATCHING (SEE TYPICAL SECTION FOR DETAILS)
(P)	INDICATES HMA DRIVEWAY REPLACEMENT (SEE TYPICAL SECTION FOR DETAILS)
(P)	INDICATES CONCRETE DRIVEWAY REPLACEMENT (SEE TYPICAL SECTION FOR DETAILS)
(P)	INDICATES CONCRETE SIDEWALK REPLACEMENT (SEE TYPICAL SECTION FOR DETAILS)
(P)	INDICATES ADA SIDEWALK RAMP
(P)	INDICATES DETECTABLE WARNING TRUNCATED DOMES
(CG)	INDICATES CONCRETE CURB & GUTTER
(CG)	INDICATES DEPRESSED CURB

**NOTE:**

- ALL STRIPING SHALL BE PAINT UNLESS OTHERWISE NOTED



COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: HRGreen  
 DATE PLOTTED: 11/14/2016 10:56 AM  
 FILE NAME: 91140095-Srip\_Rest\_Pln-Sheridan\_Rd  
 PLOT DRIVER: DMC To PDF.pc3  
 SEC-Standard.ctb

**HRGreen.com**  
 Illinois Professional Design Firm  
 #184.001322

USER NAME = MLEWIS	DESIGNED -- MPL/MH	REVISED --
FILE NAME = 91140095-Srip_Rest_Pln-Sheridan_Rd	DRAWN -- MPL/CF	REVISED --
PLOT SCALE = 1"=20'	CHECKED -- MH	REVISED --
PLOT DATE = 11/14/2016	DATE -- 11/11/2016	REVISED --

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CHICAGO AVE./SHERIDAN RD.  
 WATER MAIN REPLACEMENT  
 SHERIDAN RD. - INTERIM PAVEMENT & RESTORATION PLAN**

SCALE: 1"=20' SHEET NO. 2 OF 5 SHEETS STA. 649+00 TO STA. 657+00

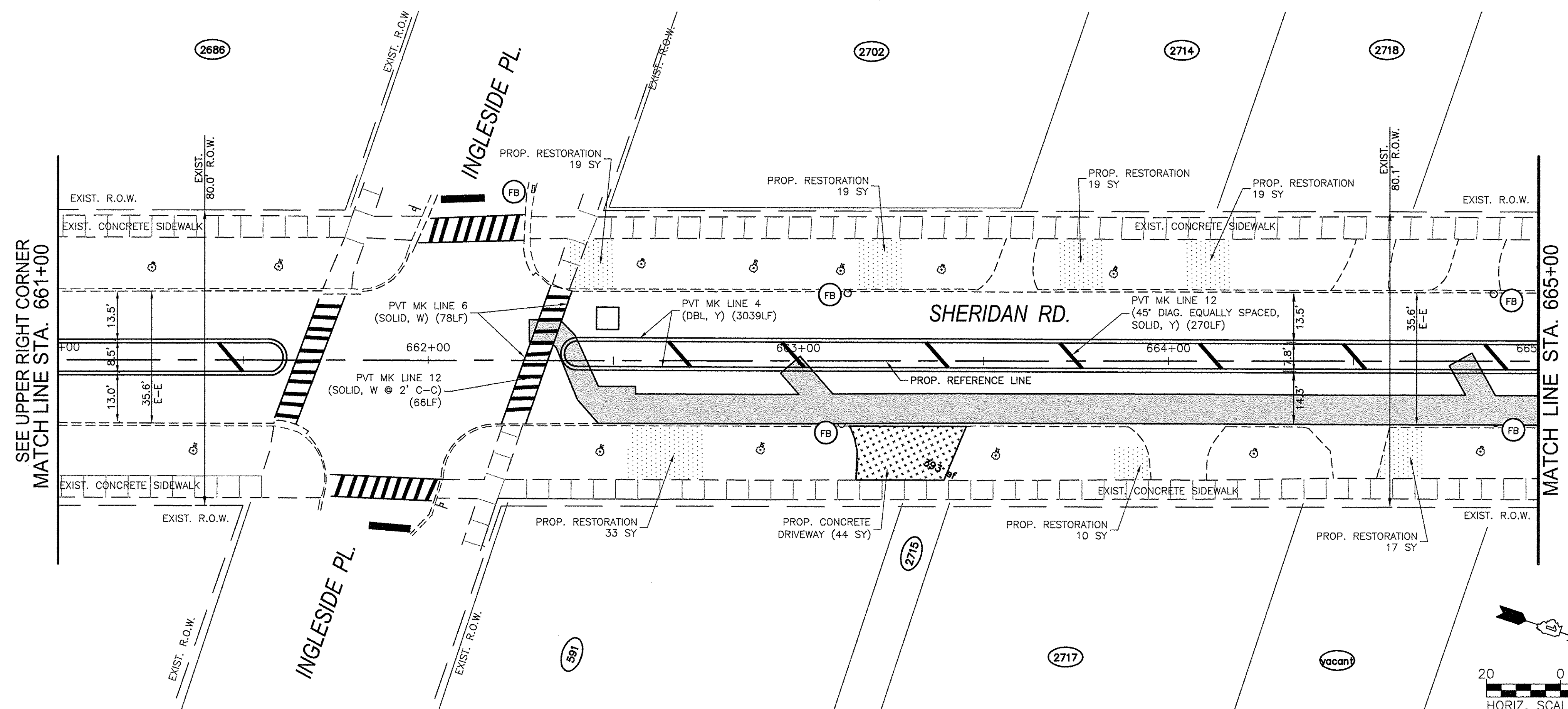
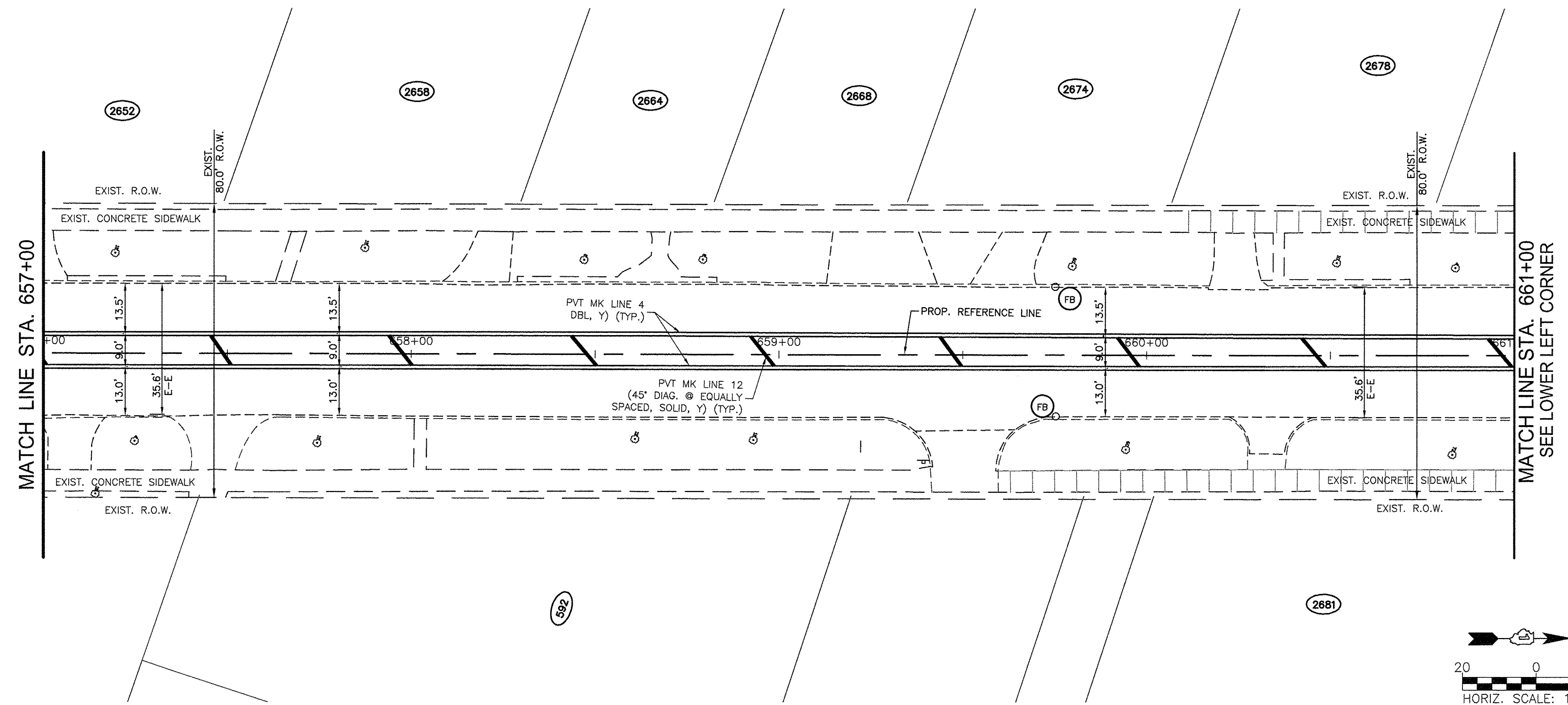
F.A.P. RTE. 2853	SECTION 14-00273-00-BT	COUNTY COOK	TOTAL SHEETS 274	SHEET NO. 113
CONTRACT NO. 61036				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

**PROJECT LEGEND:**

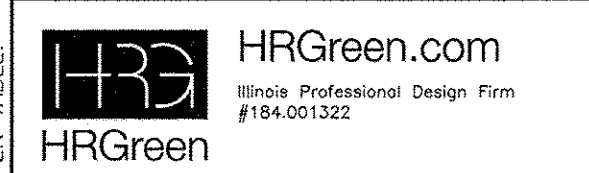
(FB)	INDICATES EROSION CONTROL MEASURES
(FS)	INDICATES 4" TOPSOIL AND IDOT CLASS 1A SALT TOLERANT ROADSIDE MIXTURE SOD
(P)	INDICATES HMA RESURFACING / PATCHING (SEE TYPICAL SECTION FOR DETAILS)
(P)	INDICATES HMA DRIVEWAY REPLACEMENT (SEE TYPICAL SECTION FOR DETAILS)
(P)	INDICATES CONCRETE DRIVEWAY REPLACEMENT (SEE TYPICAL SECTION FOR DETAILS)
(P)	INDICATES CONCRETE SIDEWALK REPLACEMENT (SEE TYPICAL SECTION FOR DETAILS)
(P)	INDICATES ADA SIDEWALK RAMP
(CG)	INDICATES DETECTABLE WARNING TRUNCATED DOMES
(CG)	INDICATES CONCRETE CURB & GUTTER
(CG)	INDICATES DEPRESSED CURB

**NOTE:**

- ALL STRIPING SHALL BE PAINT UNLESS OTHERWISE NOTED



COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: HRGreen  
 DATE PLOTTED: 11/14/2016 10:57 AM  
 FILE NAME: 91140095-Sheridan\_Rd  
 PLOT DRIVER: DWG To PDF.pc3  
 PEN TABLE: SEC-Standard.ctb



USER NAME = MLEWIS	DESIGNED - MPL/MH	REVISED -
FILE NAME = 91140095-Sheridan_Rd	DRAWN - MPL/CF	REVISED -
PLOT SCALE = 1"=20'	CHECKED - MH	REVISED -
PLOT DATE = 11/14/2016	DATE - 11/11/2016	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

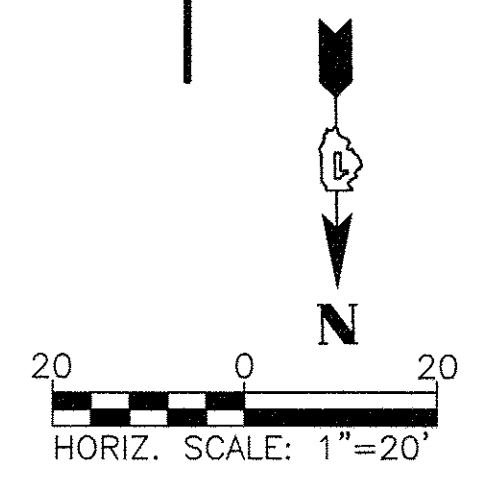
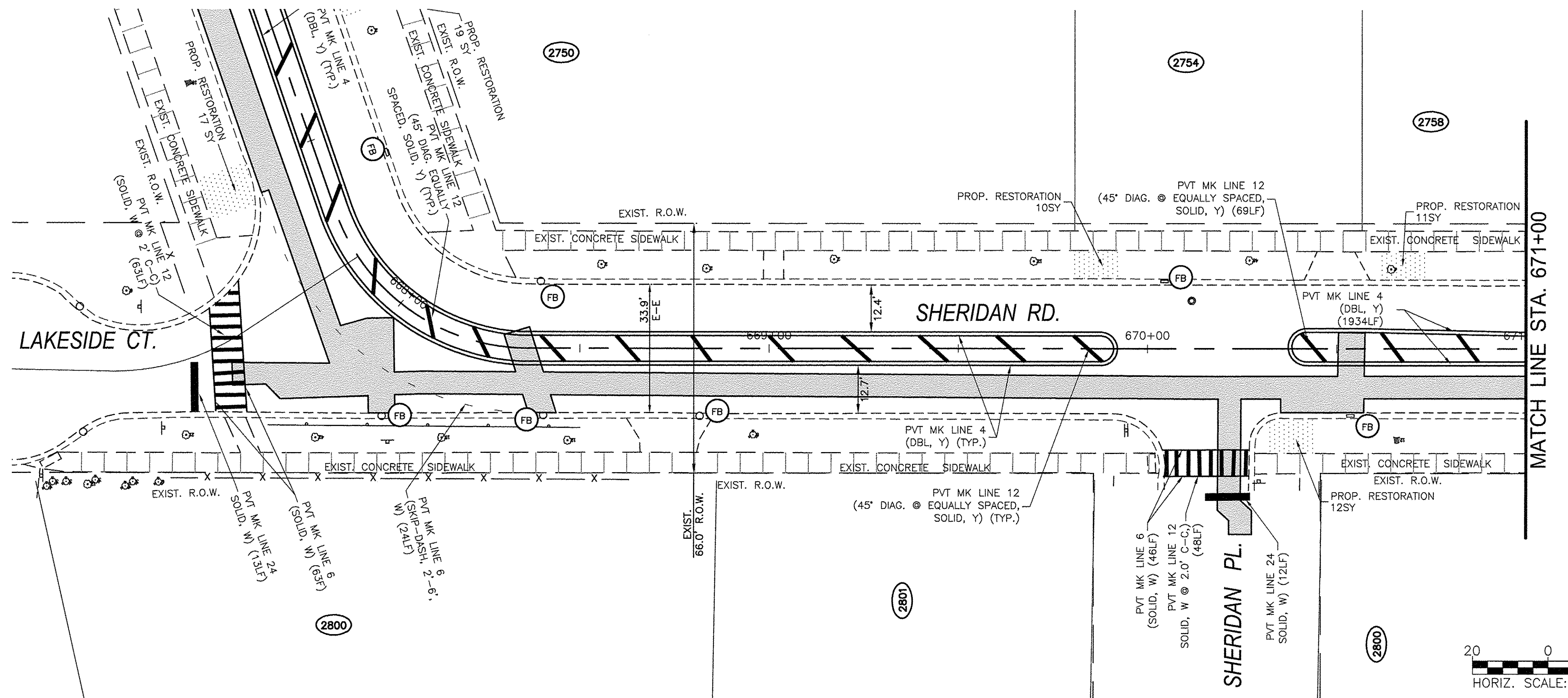
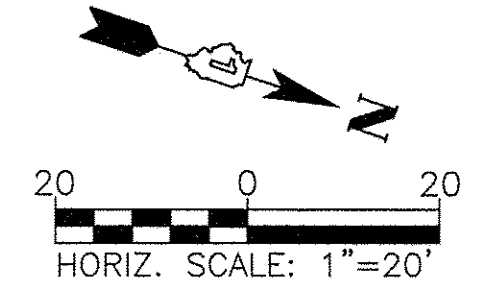
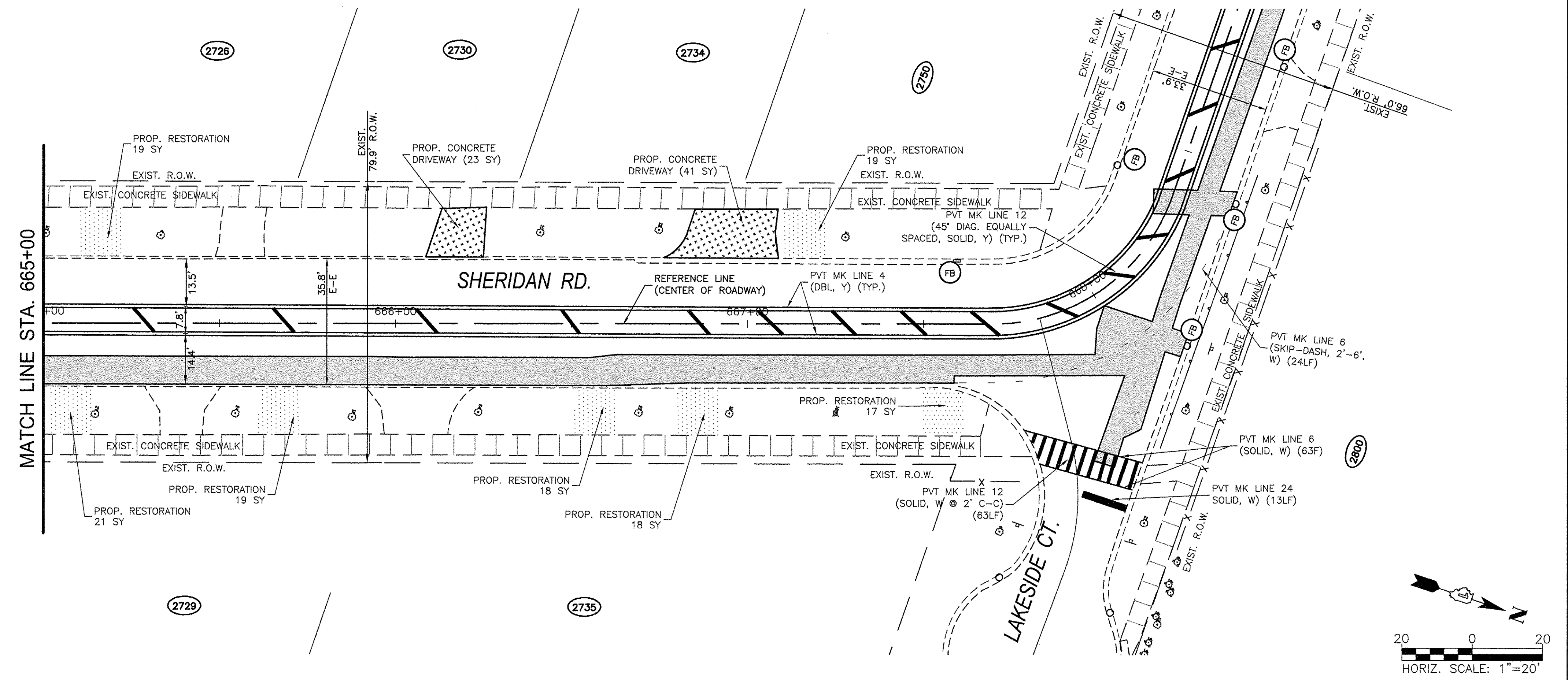
CHICAGO AVE/SHERIDAN RD.  
 WATER MAIN REPLACEMENT  
 SHERIDAN RD. - INTERIM PAVEMENT & RESTORATION PLAN  
 SCALE: 1"=20' SHEET NO. 3 OF 5 SHEETS STA. 657+00 TO STA. 665+00

F.A.P. RTE. 2853	SECTION 14-00273-00-BT	COUNTY COOK	TOTAL SHEETS 274	SHEET NO. 114
CONTRACT NO. 61B36				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PROJECT LEGEND:	
(FB)	INDICATES EROSION CONTROL MEASURES
(PS)	INDICATES 4" TOPSOIL AND IDOT CLASS 1A SALT TOLERANT ROADSIDE MIXTURE SOD
(P)	INDICATES HMA RESURFACING / PATCHING (SEE TYPICAL SECTION FOR DETAILS)
(P)	INDICATES HMA DRIVEWAY REPLACEMENT (SEE TYPICAL SECTION FOR DETAILS)
(P)	INDICATES CONCRETE DRIVEWAY REPLACEMENT (SEE TYPICAL SECTION FOR DETAILS)
(P)	INDICATES CONCRETE SIDEWALK REPLACEMENT (SEE TYPICAL SECTION FOR DETAILS)
(P)	INDICATES ADA SIDEWALK RAMP
(CG)	INDICATES DETECTABLE WARNING TRUNCATED DOMES
(CG)	INDICATES CONCRETE CURB & GUTTER
(CG)	INDICATES DEPRESSED CURB

**NOTE:**

- ALL STRIPING SHALL BE PAINT UNLESS OTHERWISE NOTED



COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: HRGreen  
 DATE PLOTTED: 11/14/2016 10:57 AM  
 CLIENT: 91140095-Srip\_Rest\_Pln-Sheridan\_Rd  
 FILE NAME: DWG To PDF.pc3  
 PLOT DRIVER: SEC-Standard.ctb



USER NAME = MLEWIS	DESIGNED - MPL/MH	REVISED -
FILE NAME = 91140095-Srip_Rest_Pln-Sheridan_Rd	DRAWN - MPL/CF	REVISED -
PLOT SCALE = 1"=20'	CHECKED - MH	REVISED -
PLOT DATE = 11/14/2016	DATE - 11/11/2016	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CHICAGO AVE/SHERIDAN RD.  
 WATER MAIN REPLACEMENT  
 SHERIDAN RD. - INTERIM PAVEMENT & RESTORATION PLAN  
 SCALE: 1"=20' SHEET NO. 4 OF 5 SHEETS STA. 665+00 TO STA. 671+00

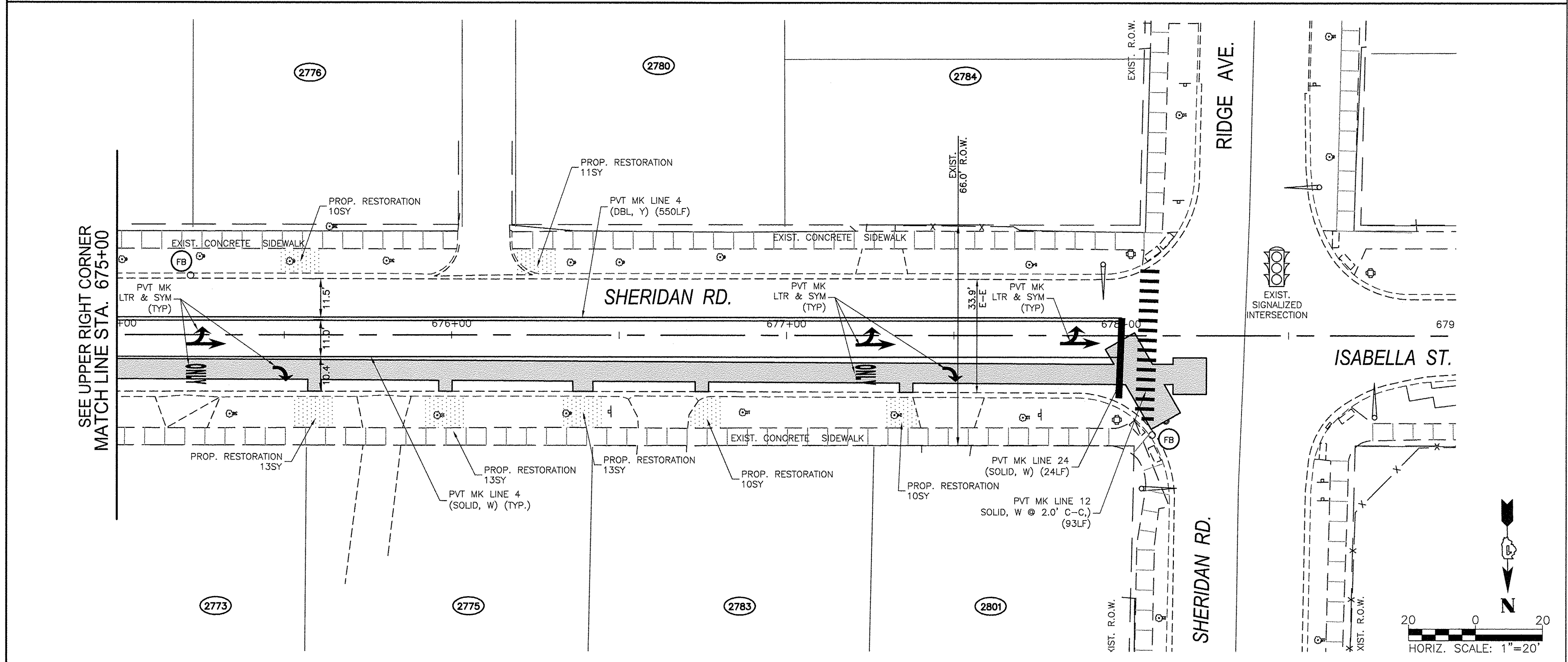
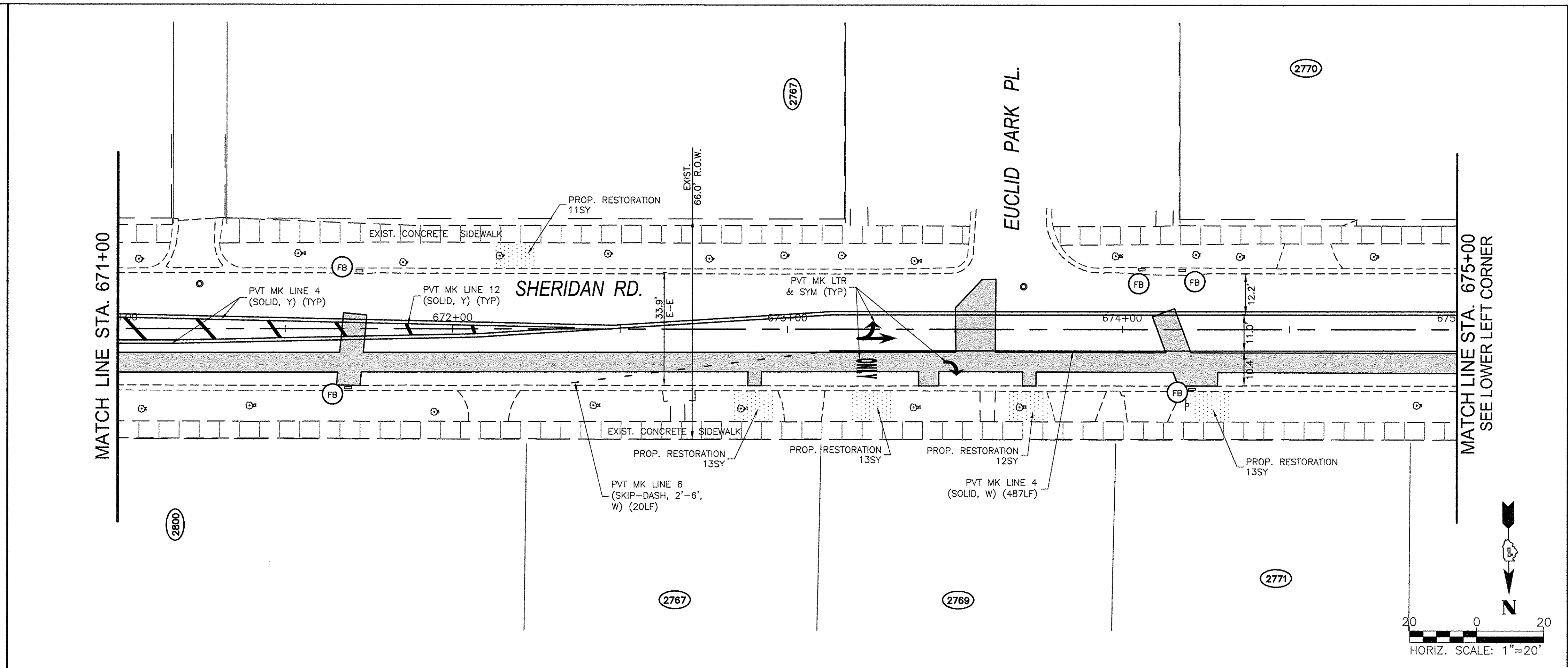
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	115
CONTRACT NO. 61036				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

**PROJECT LEGEND:**

(FB)	INDICATES EROSION CONTROL MEASURES
(PS)	INDICATES 4" TOPSOIL AND IDOT CLASS 1A SALT TOLERANT ROADSIDE MIXTURE SOD
(P)	INDICATES HMA RESURFACING / PATCHING (SEE TYPICAL SECTION FOR DETAILS)
(P)	INDICATES HMA DRIVEWAY REPLACEMENT (SEE TYPICAL SECTION FOR DETAILS)
(P)	INDICATES CONCRETE DRIVEWAY REPLACEMENT (SEE TYPICAL SECTION FOR DETAILS)
(P)	INDICATES CONCRETE SIDEWALK REPLACEMENT (SEE TYPICAL SECTION FOR DETAILS)
(P)	INDICATES ADA SIDEWALK RAMP
(CG)	INDICATES DETECTABLE WARNING TRUNCATED DOMES
(CG)	INDICATES CONCRETE CURB & GUTTER
(CG)	INDICATES DEPRESSED CURB

**NOTE:**

- ALL STRIPING SHALL BE PAINT UNLESS OTHERWISE NOTED



COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: HRGreen  
 DATE PLOTTED: 11/14/2016 10:57 AM  
 FILE NAME: 91140095-Scrip\_Rest\_Pin-Sheridan\_Rd  
 PLOT DRIVER: DWG To PDF.pc3  
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 Illinois Professional Design Firm  
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PLOT DATE = 11/14/2016	DATE -- 11/11/2016	REVISED --

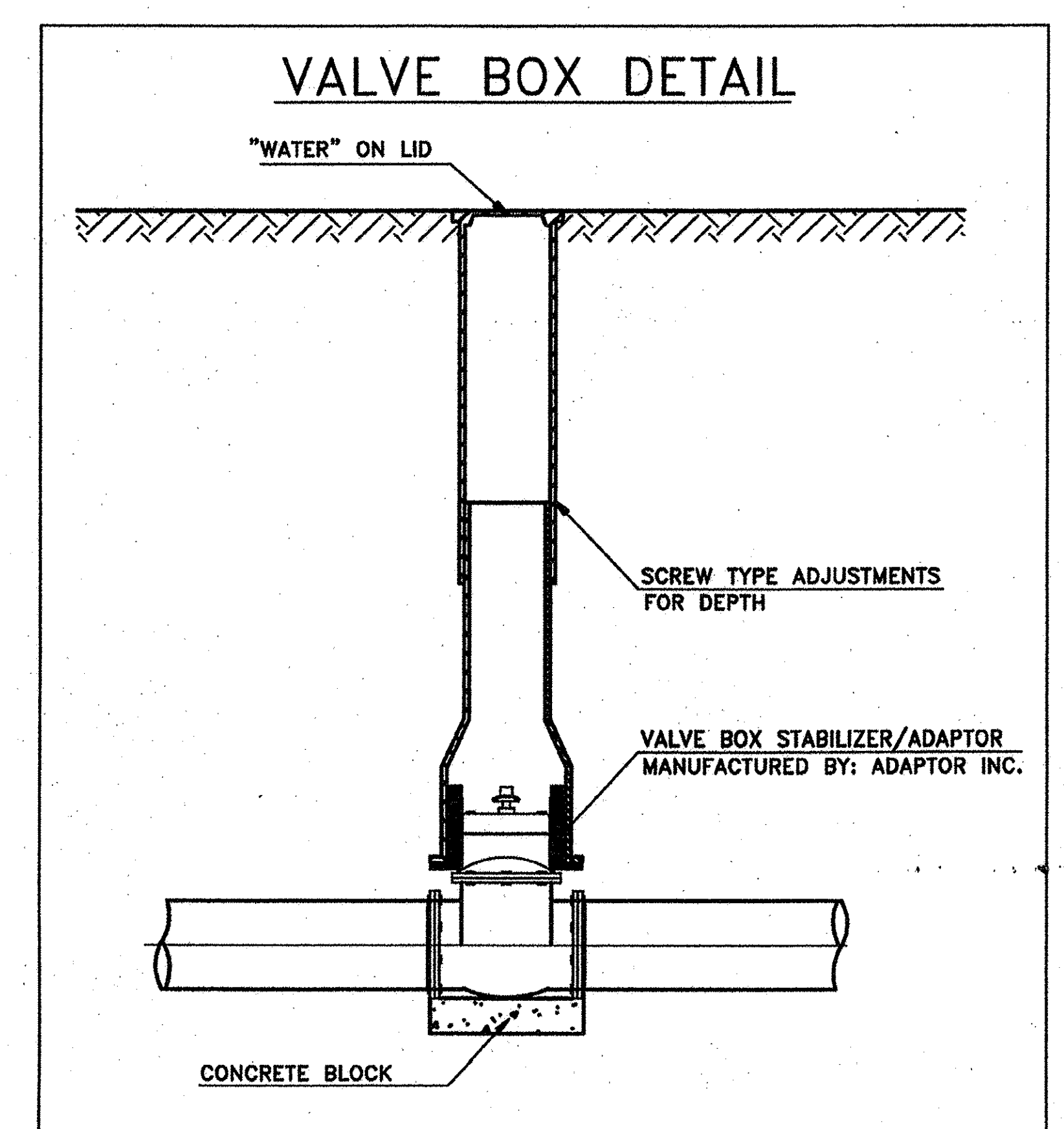
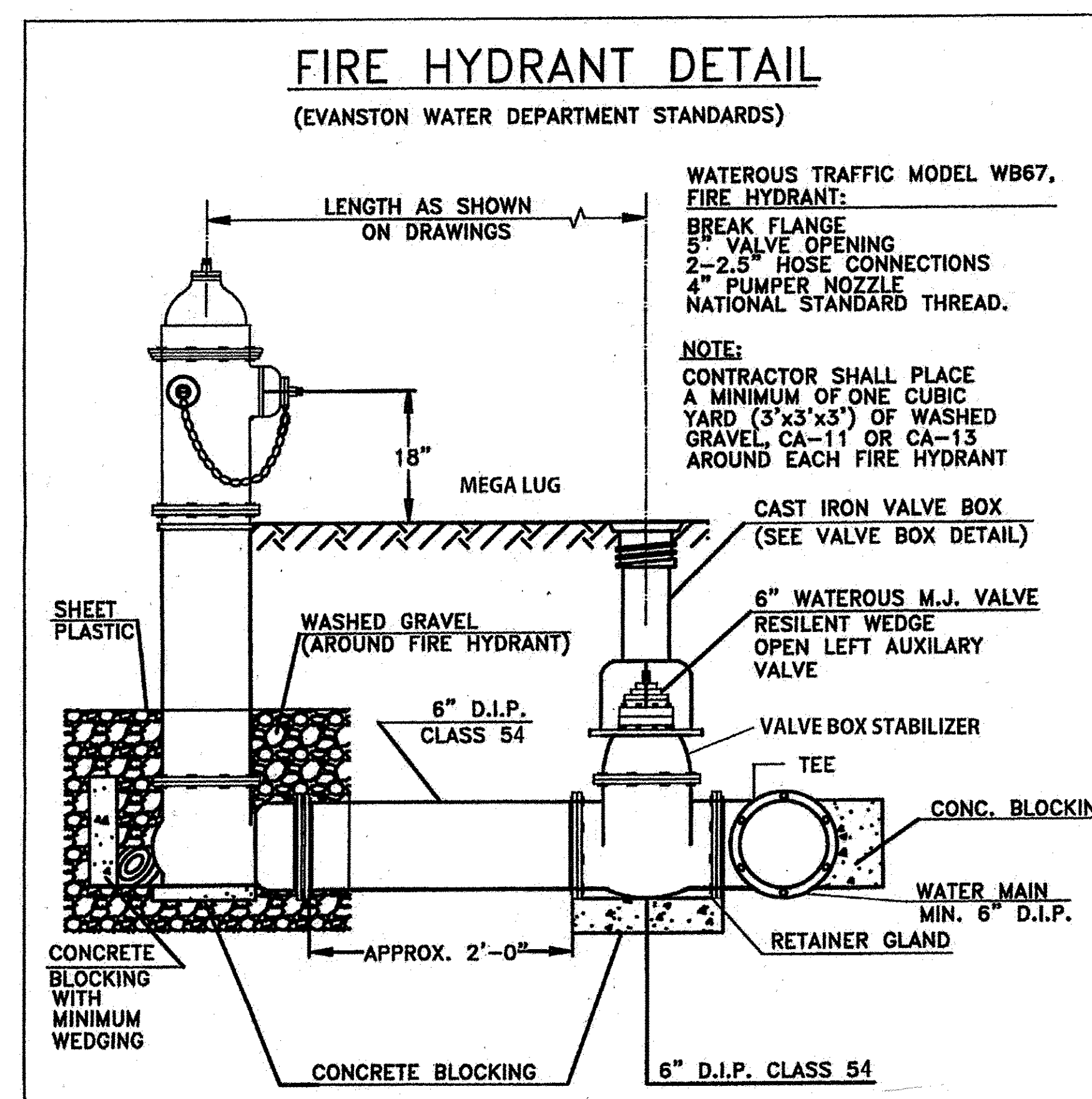
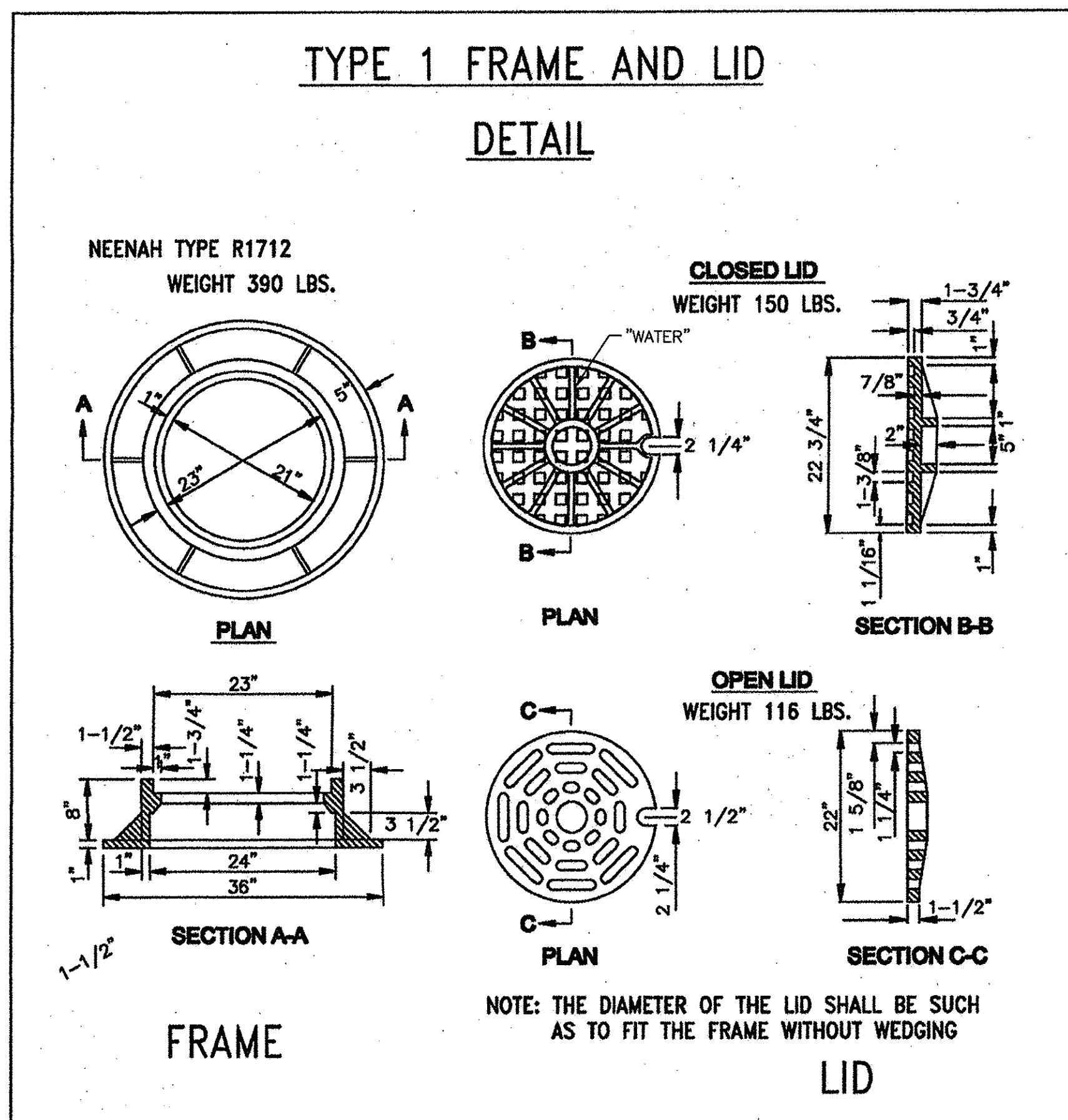
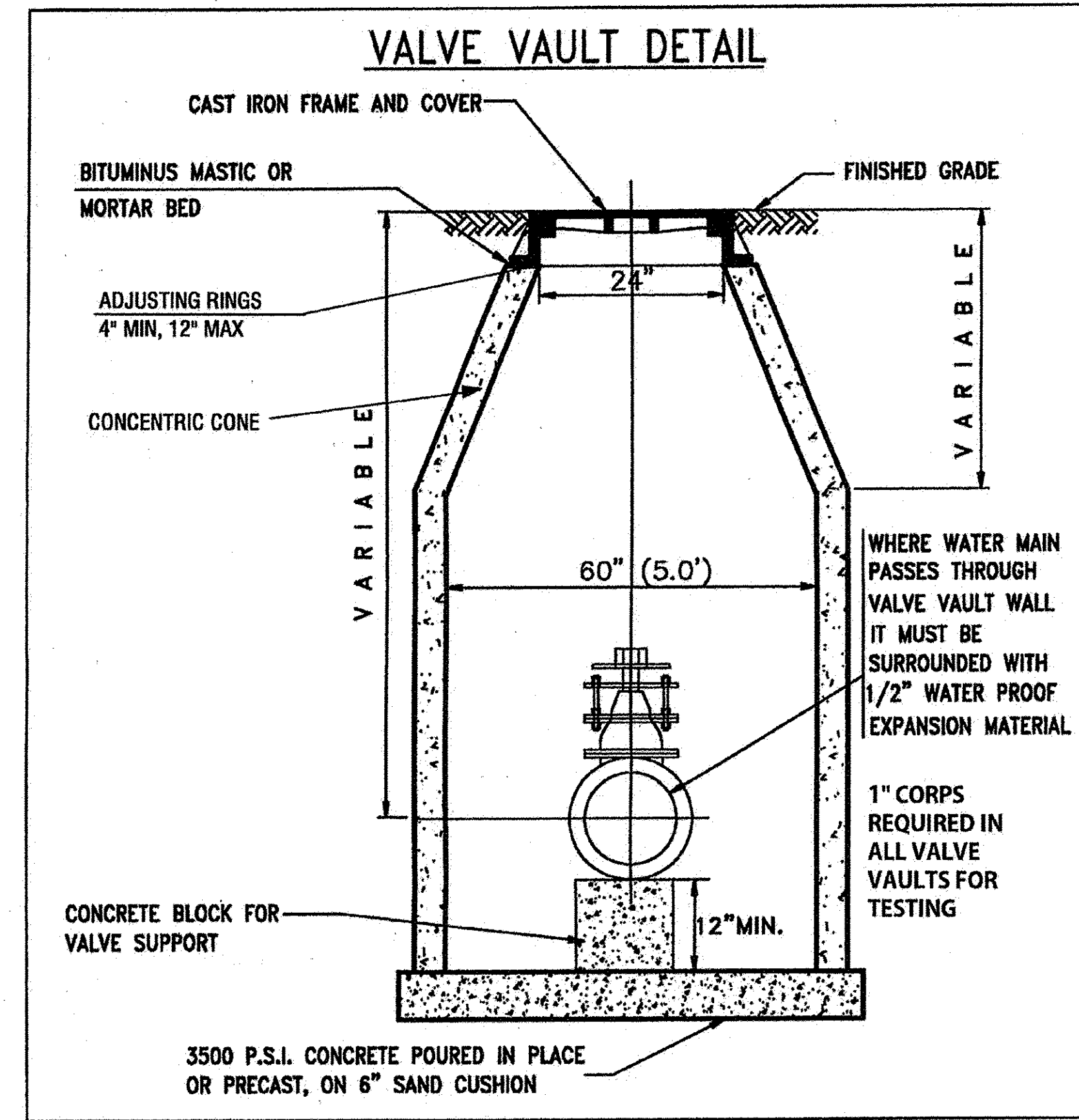
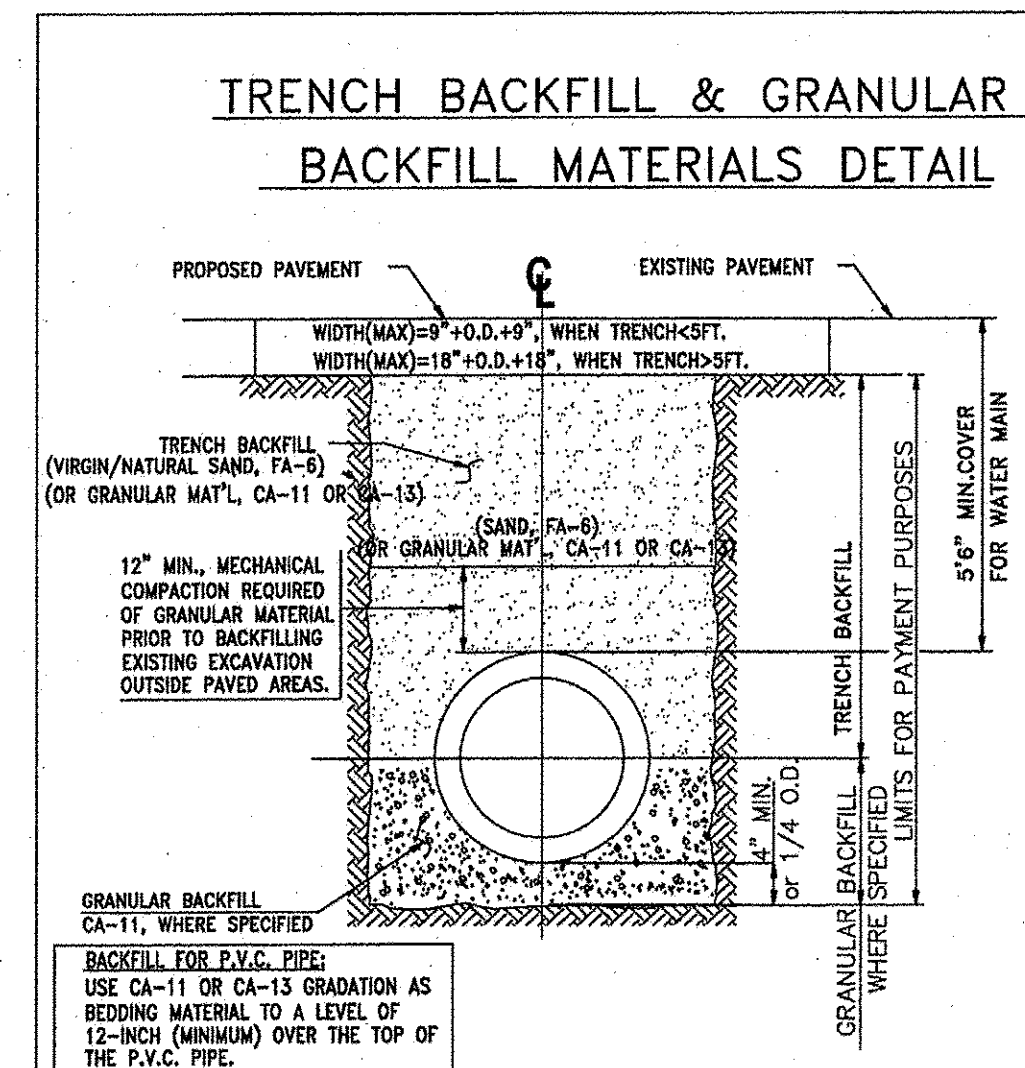
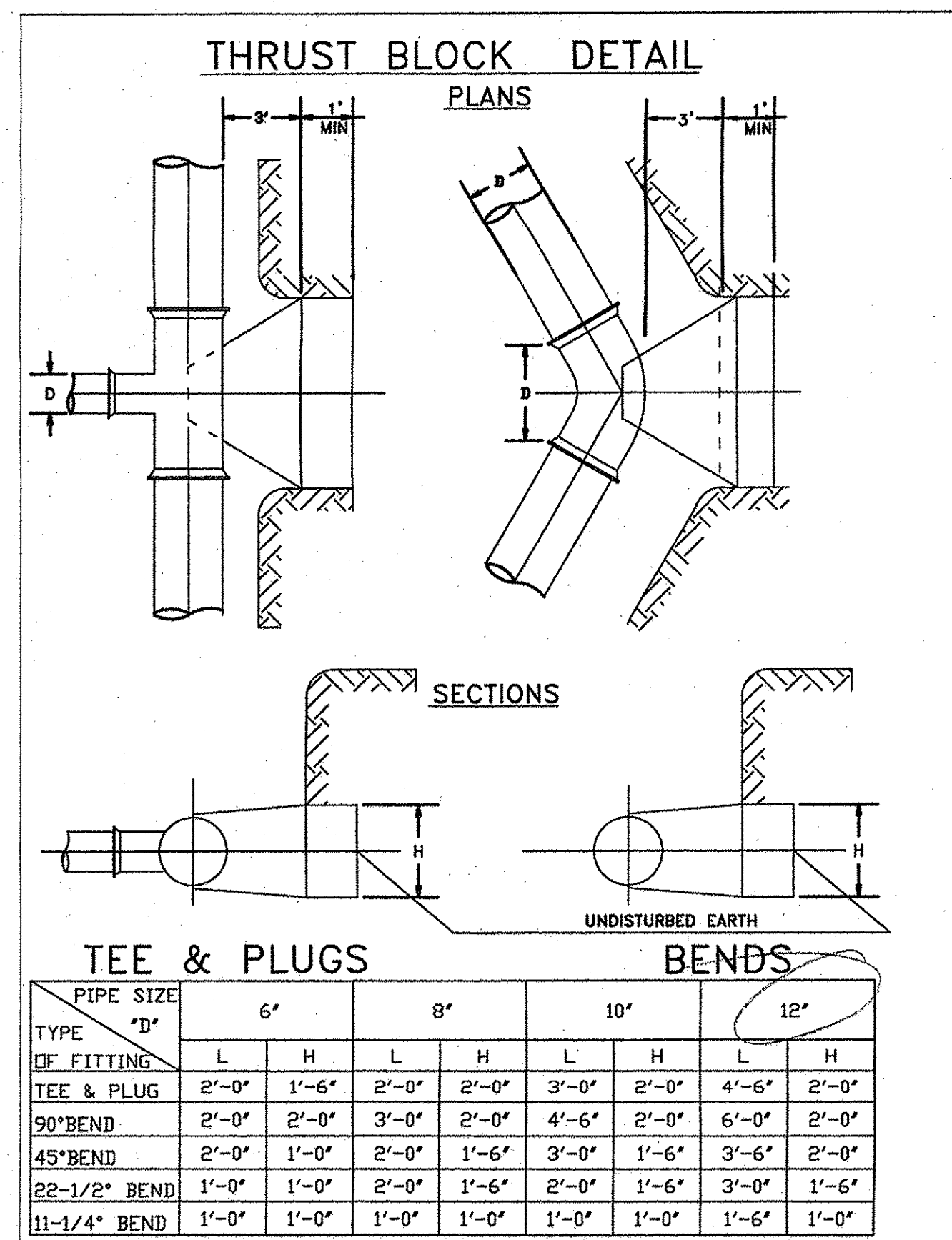
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CHICAGO AVE/SHERIDAN RD.  
 WATER MAIN REPLACEMENT  
 SHERIDAN RD. - INTERIM PAVEMENT & RESTORATION PLAN**

SCALE: 1"=20' SHEET NO. 5 OF 5 SHEETS STA. 671+00 TO STA. 675+00

F.A.P. RTE. 2853	SECTION 14-00273-00-BT	COUNTY COOK	TOTAL SHEETS 274	SHEET NO. 116
CONTRACT NO. 61B36				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				





COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: HRGreen  
 DATE PLOTTED: 11/14/2016 10:59 AM  
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 PLOT DRIVER: DWG To PDF.pc3  
 PEN TABLE: SEC-Standard.ctb

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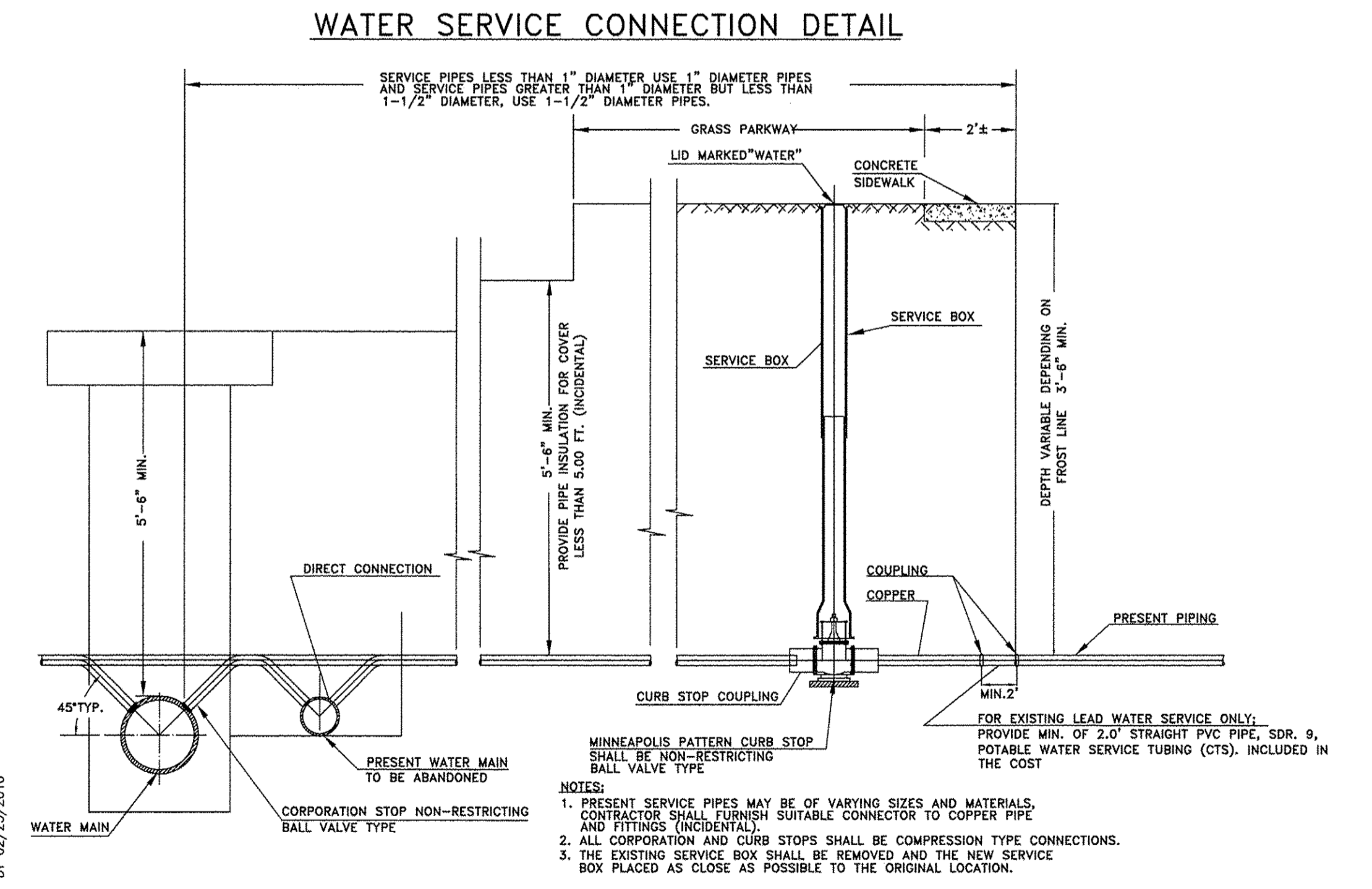
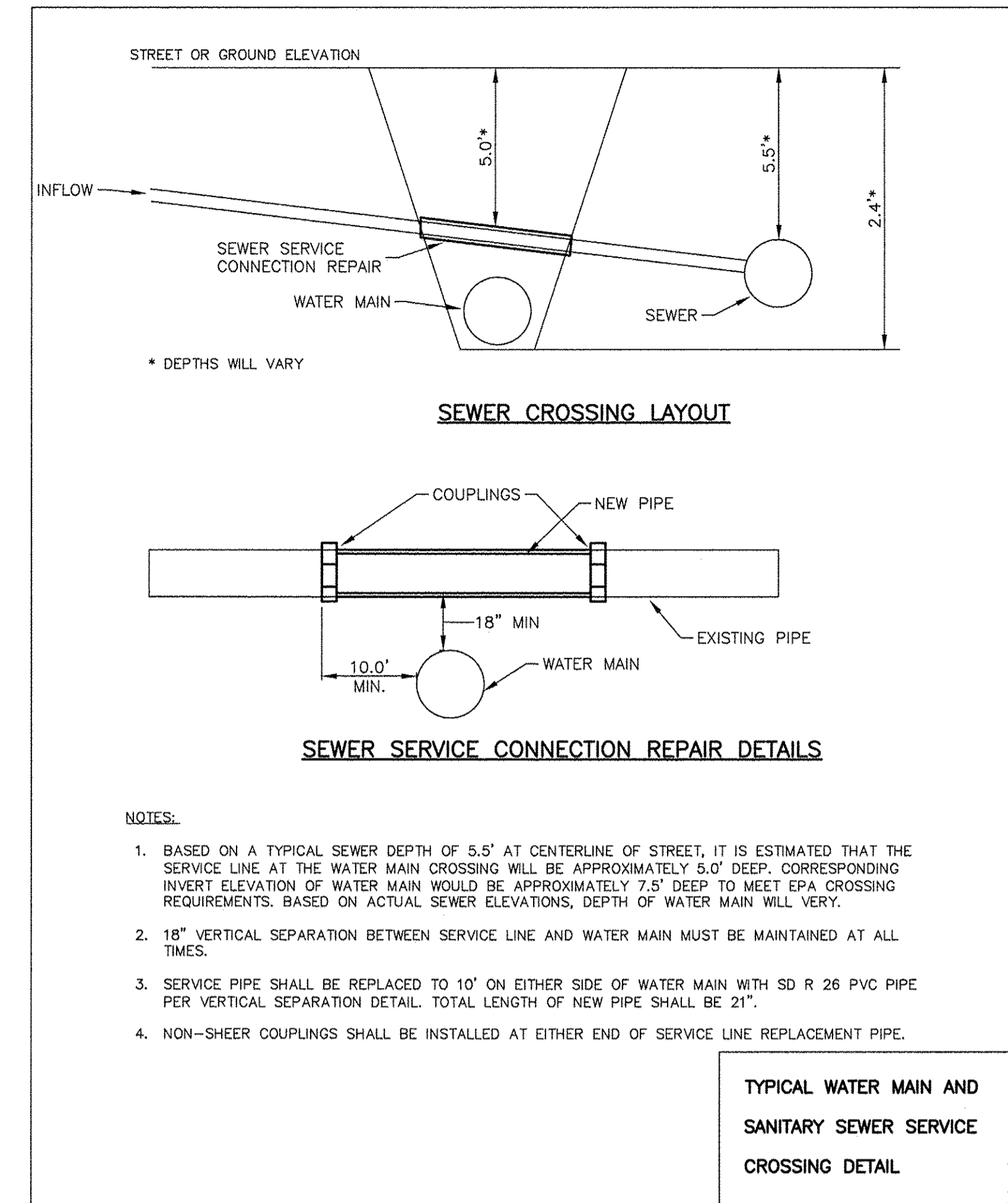
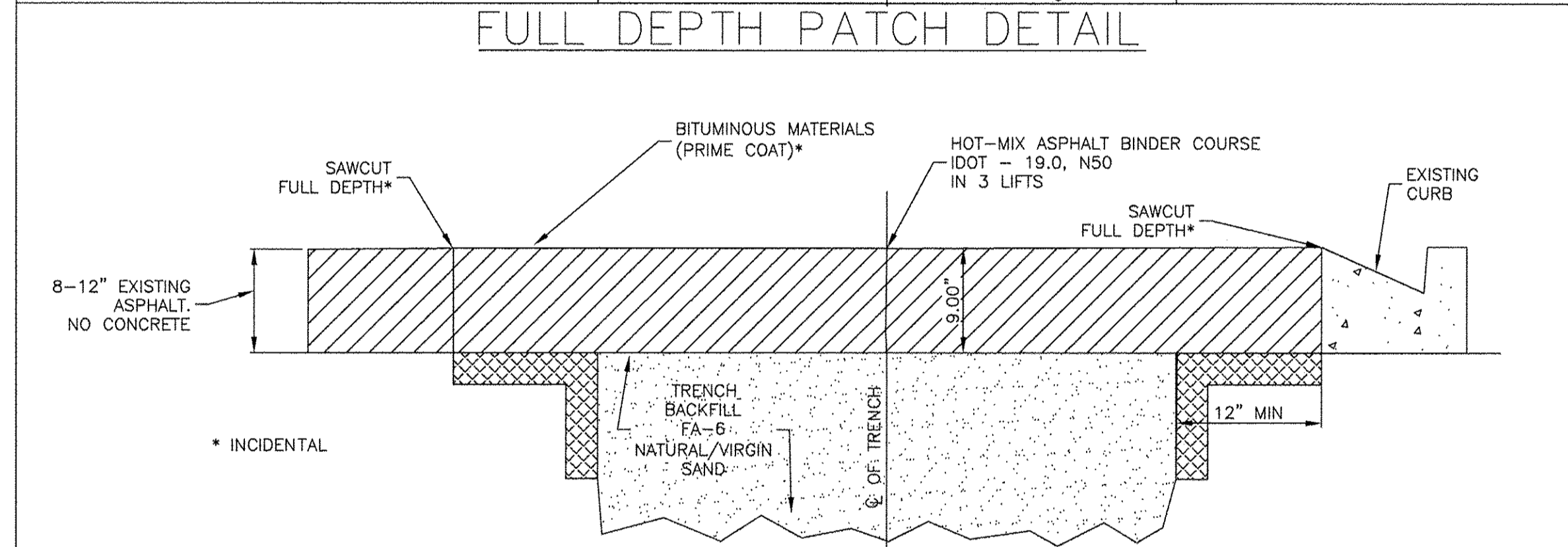
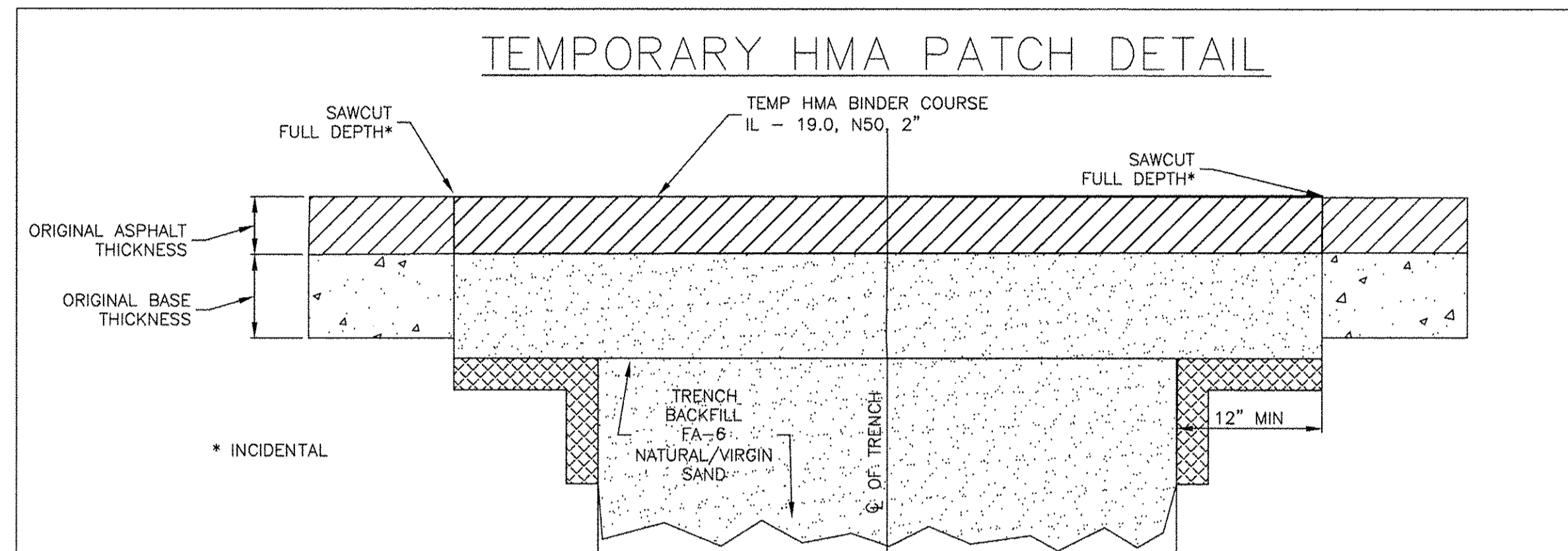
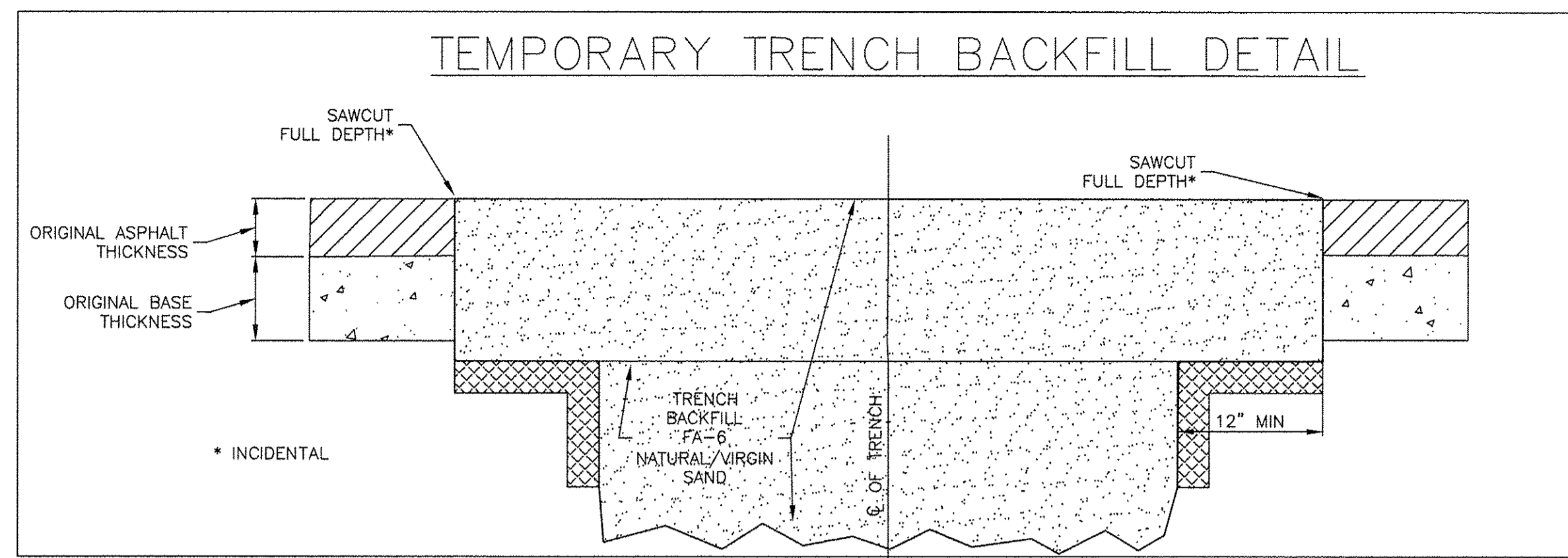
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PLOT DATE = 11/14/2016	DATE - 11/11/2016	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CHICAGO AVE./SHERIDAN RD.  
 WATER MAIN REPLACEMENT  
 STANDARD CONSTRUCTION DETAILS

SCALE: N.T.S. SHEET NO. 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	117
CONTRACT NO. 61036				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: HRGreen  
 CLIENT: HRGreen.com  
 DATE PLOTTED: 11/14/2016 10:59 AM  
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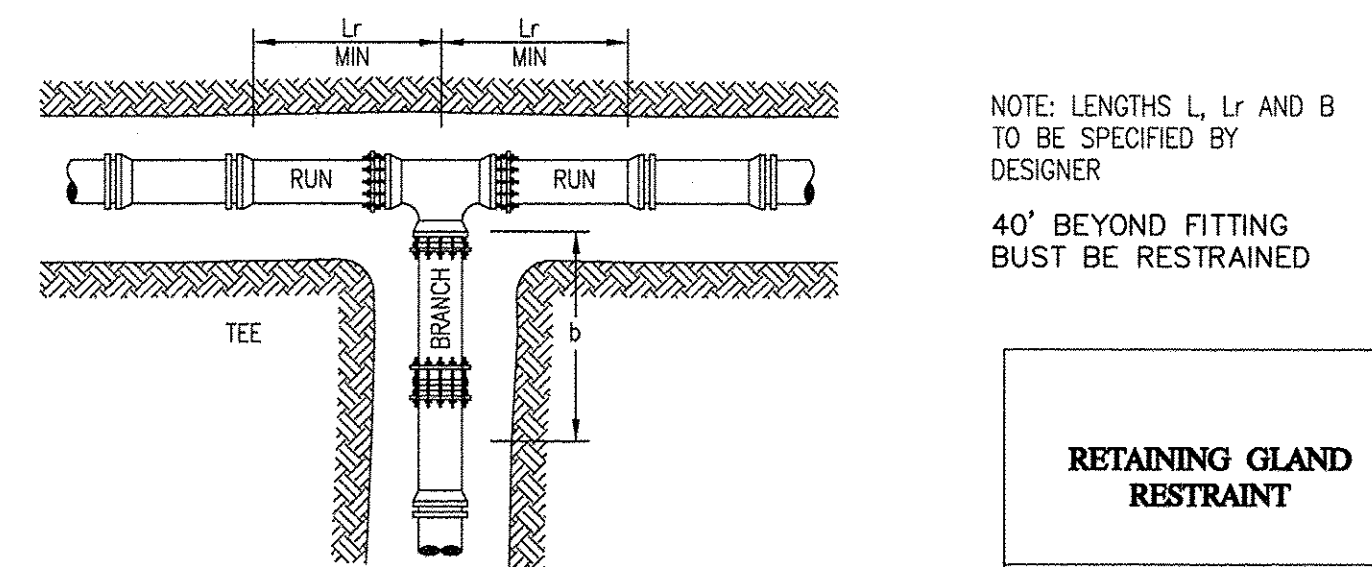
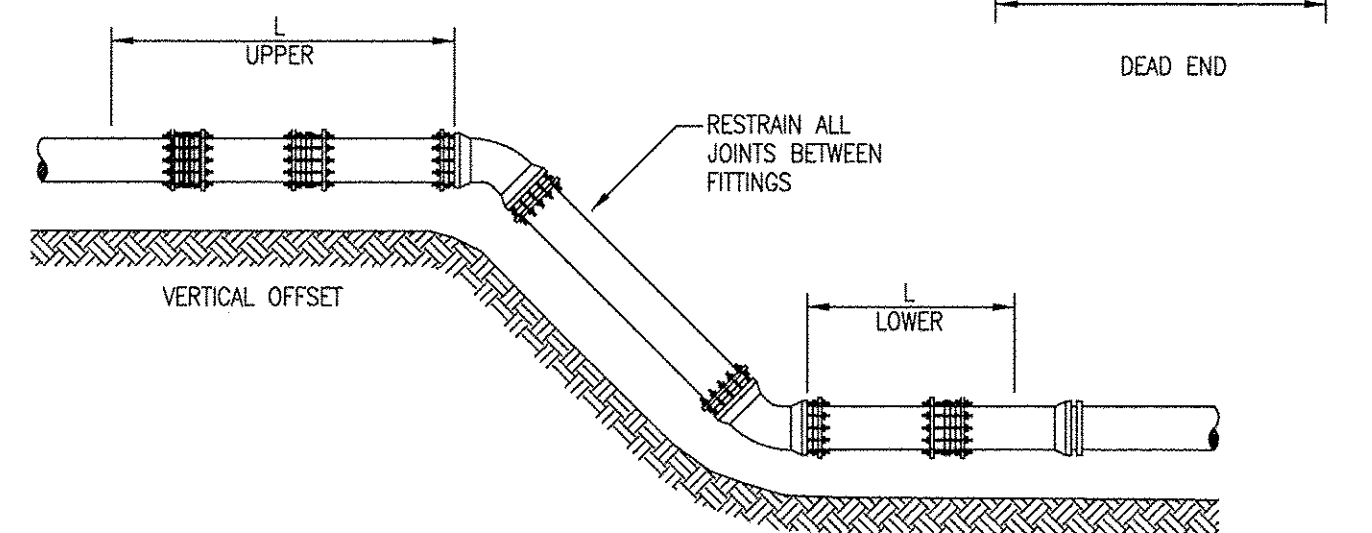
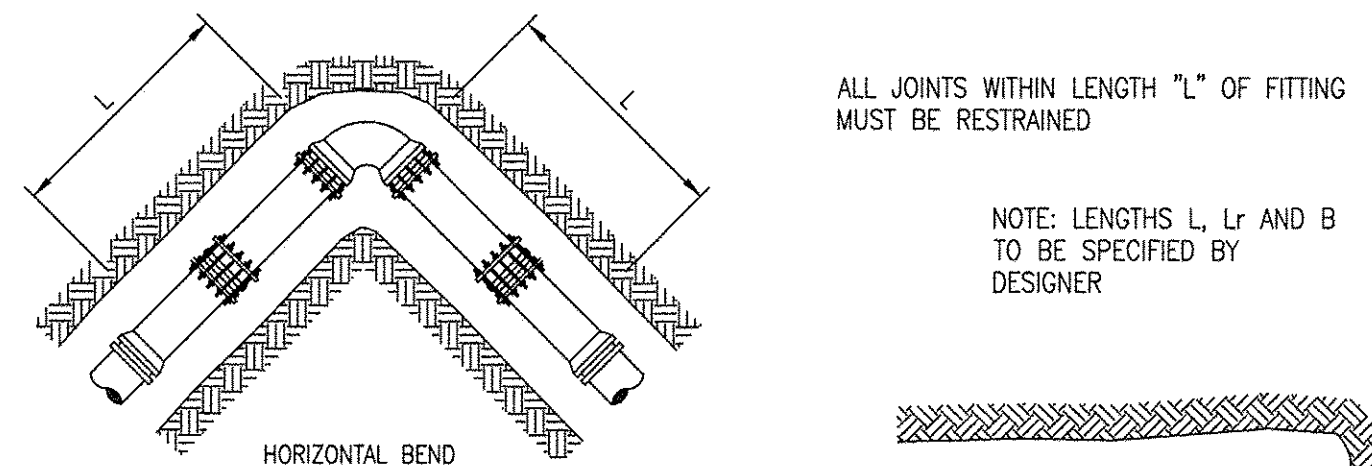
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

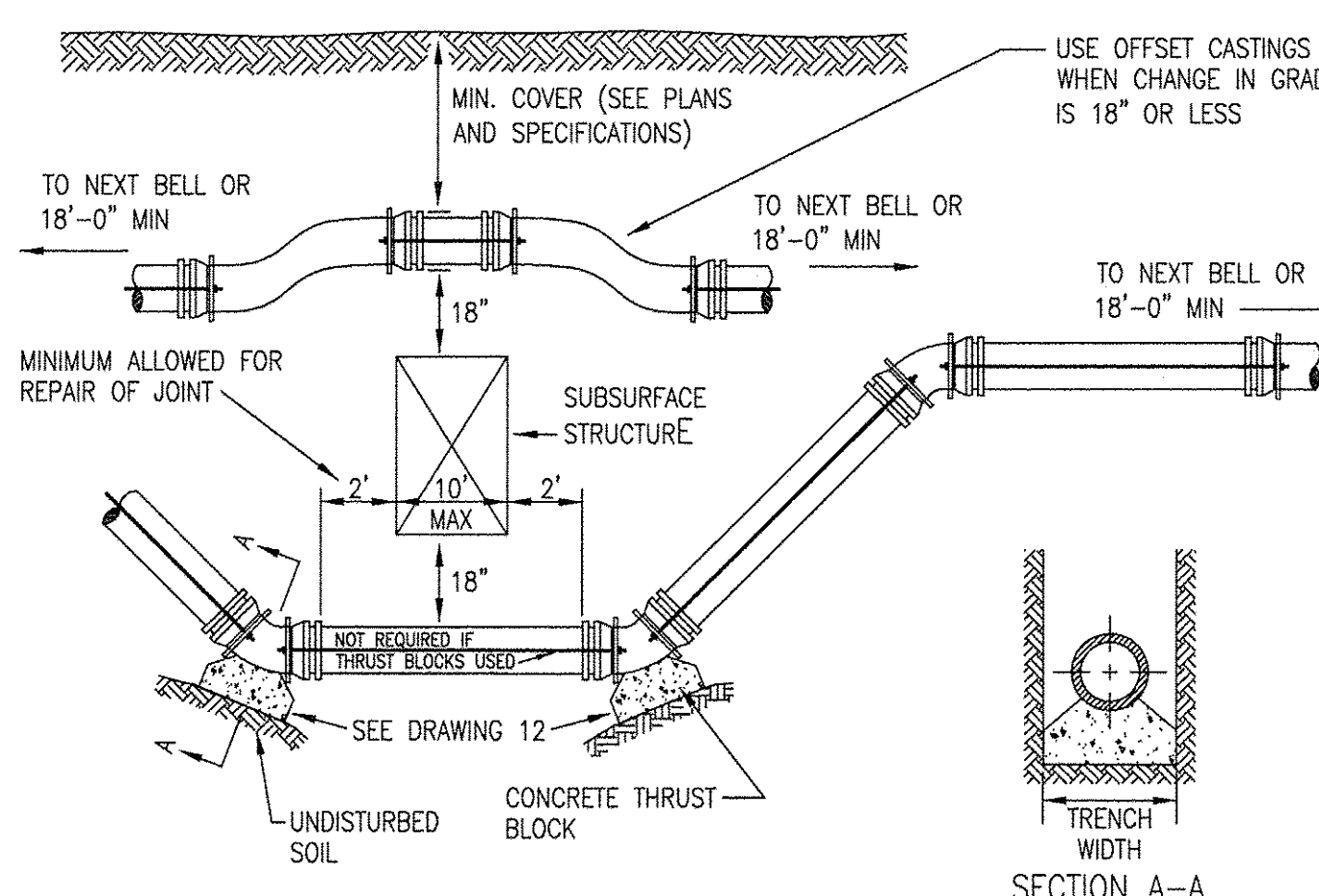
**CHICAGO AVE./SHERIDAN RD.  
WATER MAIN REPLACEMENT  
STANDARD CONSTRUCTION DETAILS**

SCALE: N.T.S. SHEET NO. 2 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	118
CONTRACT NO. 61336				
FED. ROAD DIST. NO. -- ILLINOIS FED. AID PROJECT				



**RETAINING GLAND RESTRAINT**  
STANDARD DRAWING NO.12G



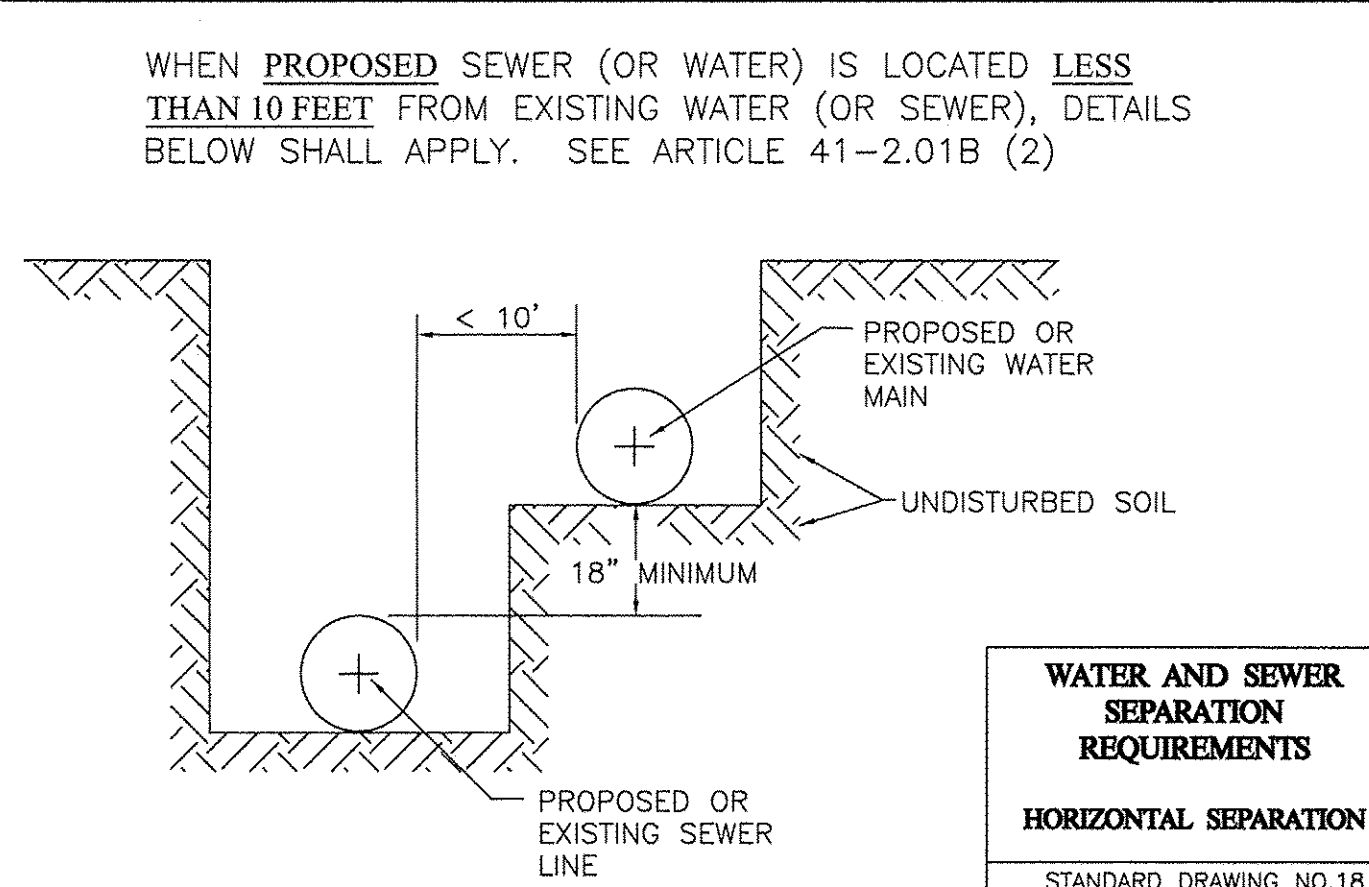
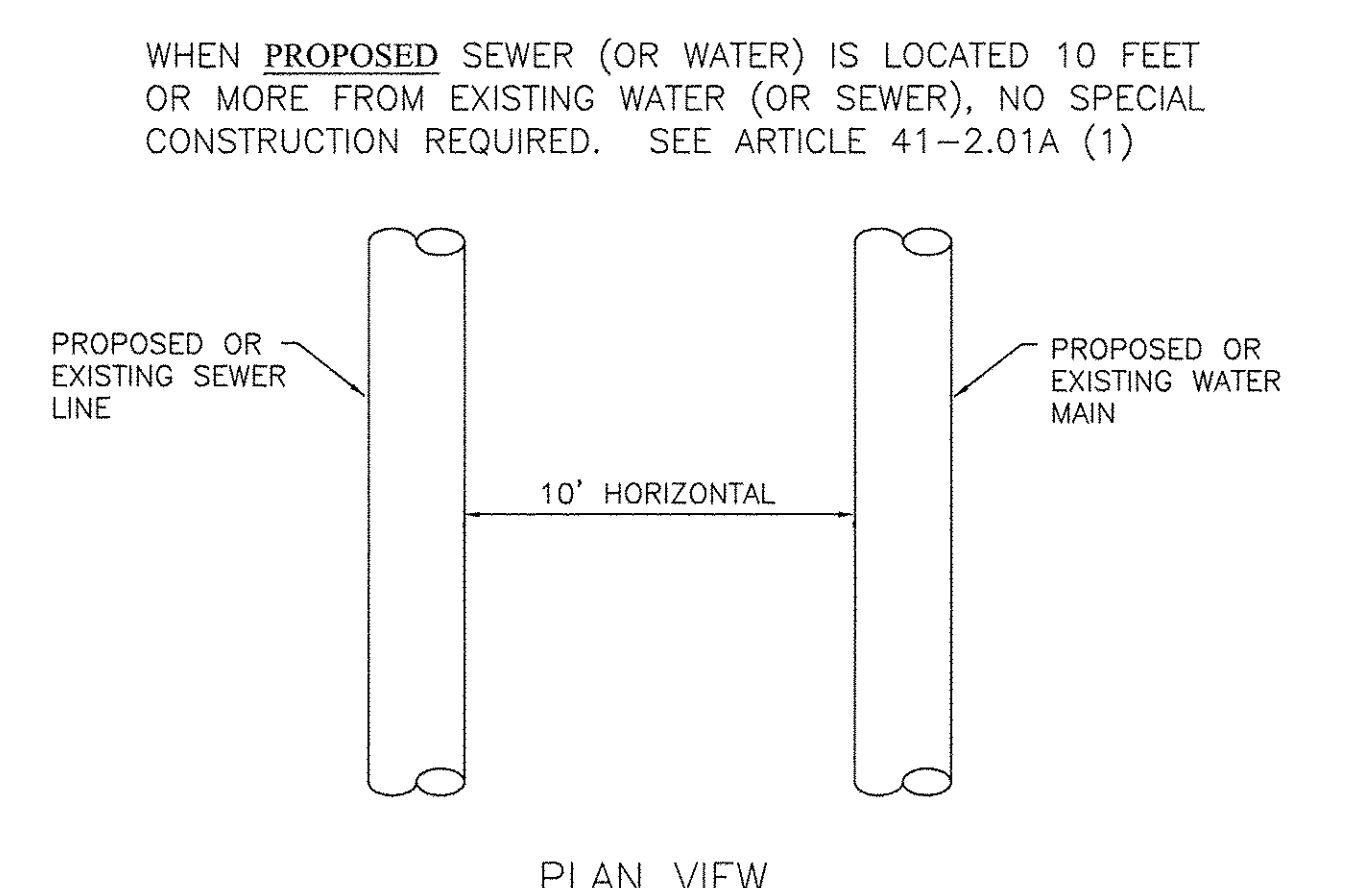
RODS AND WASHERS TO BE A.S.T.M. A-575 MERCHANT QUALITY 17-24 CARBON. NUTS TO BE AM. STD. HEAVY HOT PRESSED. THE RODS, BOLTS, NUTS, BANDS, AND WASHERS TO BE FURNISHED AND APPLIED BY CONTRACTOR. ALL STEEL MATERIAL TO BE THOROUGHLY COATED WITH BITUMASTIC KOPPERS NO. 505.

CONTRACTOR IS REQUIRED TO USE MEGA LUGS.

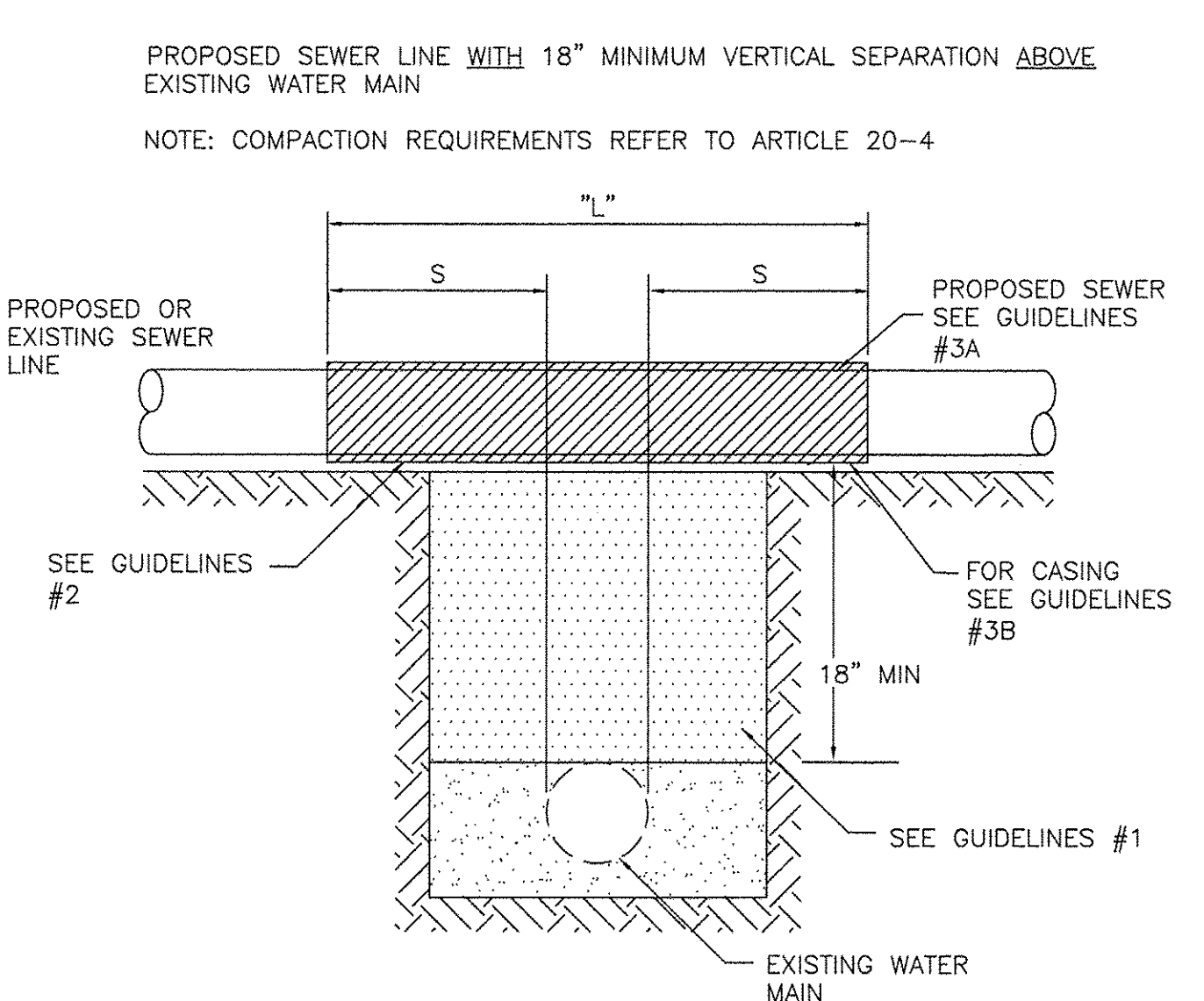
NOTE: PIPE AND FITTINGS TO BE WRAPPED WITH POLYETHYLENE BEFORE PLACEMENT OF STRAPPING AND BUTTRESSES.

PIPE SIZE	D	STRAPPING MATERIAL (IN)			
		RODS NO.	RODS DIA.	STRAP	WASHER
6	7.10	2	3/4	1/2 X 2	3/4 1/2 X 3 X 5
8	9.30	2	3/4	1/2 X 2	3/4 1/2 X 3 X 5
12	13.50	2	3/4	1/2 X 2 1/2	1 1/2 X 3 X 5
16	17.80	4	3/4	1/2 X 3	1 1/2 X 3 X 5

**STRAPPING WATER MAIN 6" THRU 16"**  
STANDARD DRAWING NO.12S



**WATER AND SEWER SEPARATION REQUIREMENTS HORIZONTAL SEPARATION**  
STANDARD DRAWING NO.18



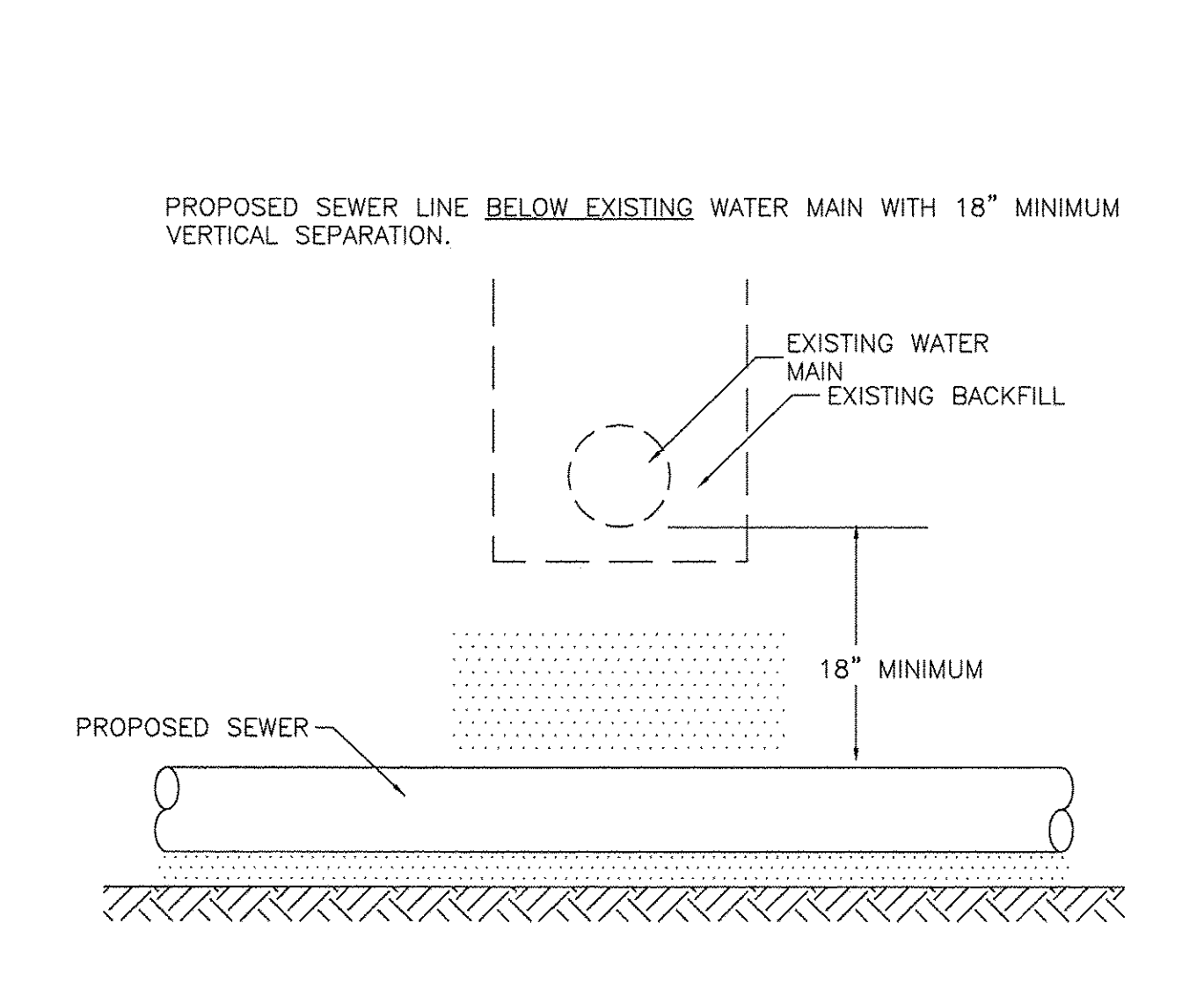
**GUIDELINES**

IF SELECT GRANULAR BACKFILL EXISTS: REMOVE WITHIN WIDTH OF PROPOSED SEWER TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT

OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L" FEET.

3. A) CONSTRUCT "L" FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR;  
B) USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.

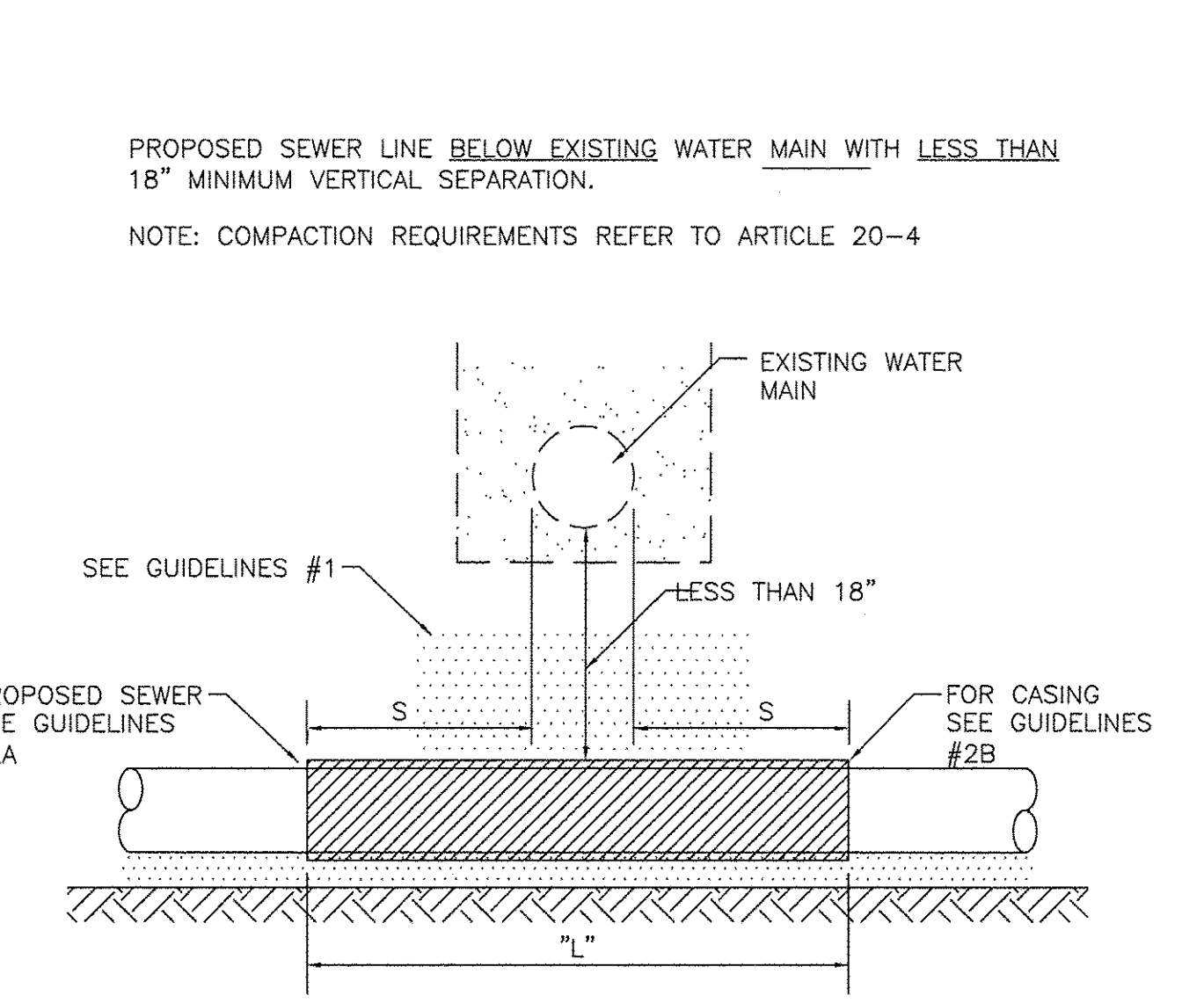
**WATER AND SEWER SEPARATION REQUIREMENTS VERTICAL SEPARATION**  
STANDARD DRAWING NO.19



**GUIDELINES**

1. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH.

**WATER AND SEWER SEPARATION REQUIREMENTS VERTICAL SEPARATION**  
STANDARD DRAWING NO.20



**GUIDELINES**

OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT FOR "S" FEET ON EACH SIDE OF WATER MAIN.

A) CONSTRUCT "L" FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR;  
B) USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.

PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH

**WATER AND SEWER SEPARATION REQUIREMENTS VERTICAL SEPARATION**  
STANDARD DRAWING NO.21

COMPANY NAME: HRGreen.com  
PROJECT CONTACT: 11/14/2016 10:59 AM  
CLIENT: 91140095-Cover-Details  
DATE PLOTTED: DWG To PDF.pc3  
FILE NAME: 91140095-Cover-Details  
PLOT DRIVER: DWG To PDF.pc3  
PLOT SCALE: N.T.S.  
PLOT DATE: 11/14/2016  
PEN TABLE: SEC-Standard.ctb



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PLOT SCALE = N.T.S.	CHECKED -- MH	REVISED --
PLOT DATE = 11/14/2016	DATE -- 11/11/2016	REVISED --

DESIGNED -- MPL/MH	REVISED --
DRAWN -- MPL/CF	REVISED --
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DATE -- 11/11/2016	REVISED --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

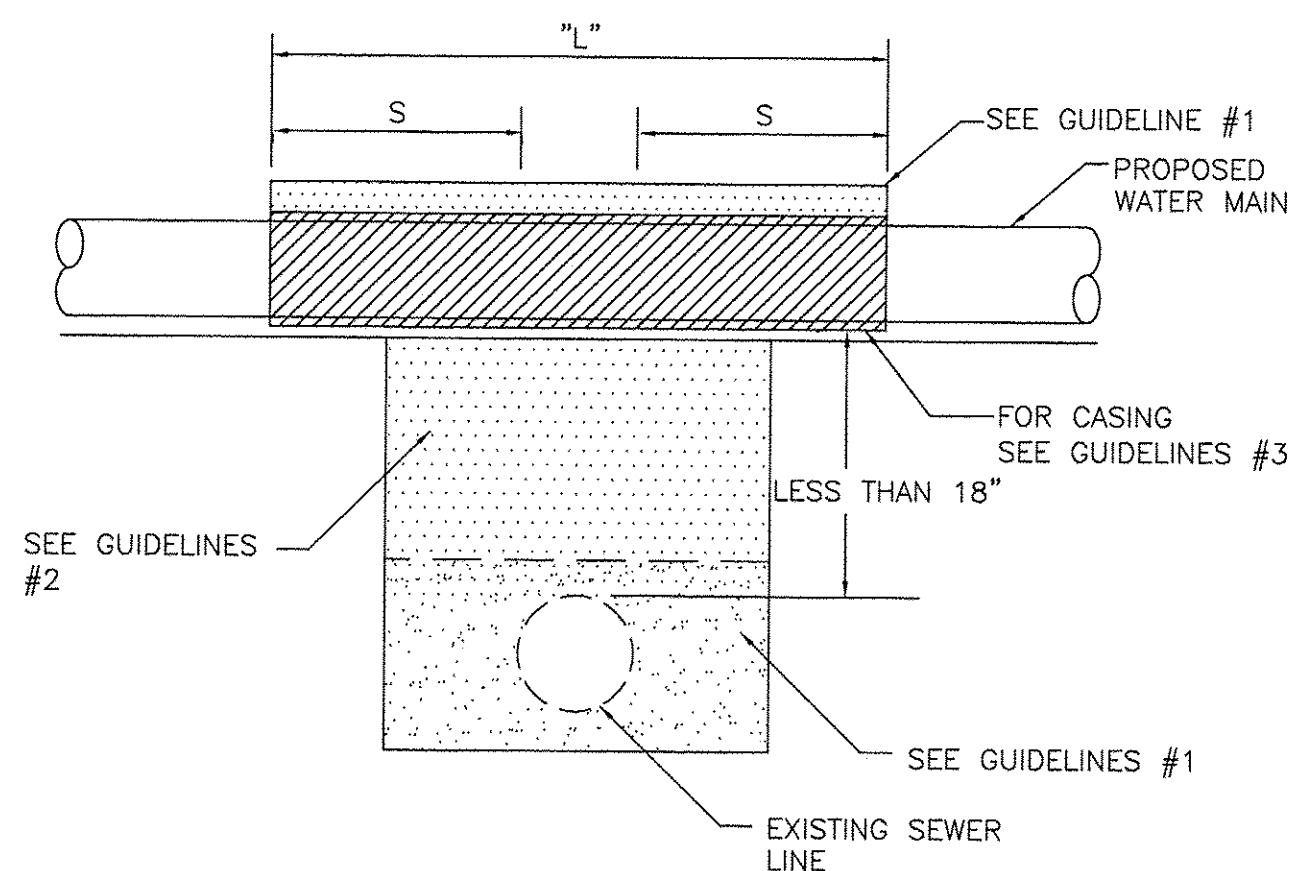
CHICAGO AVE/SHERIDAN RD.  
WATER MAIN REPLACEMENT  
STANDARD CONSTRUCTION DETAILS

SCALE: N.T.S. SHEET NO. 3 OF 5 SHEETS STA. TO STA.

F.A.P. RTE. 2853	SECTION 14-00273-00-BT	COUNTY COOK	TOTAL SHEETS 274	SHEET NO. 119
CONTRACT NO. 61B36				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PROPOSED WATER MAIN ABOVE EXISTING SEWER LINE WITH LESS THAN 18" VERTICAL SEPARATION

NOTE: COMPACTION REQUIREMENTS REFER TO ARTICLE 20-4



NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING SEWER LINE.

**GUIDELINES**

- OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
- IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
- USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.
- POINT LOADS SHALL NOT BE ALLOWED BETWEEN WATER MAIN CASING AND SEWER

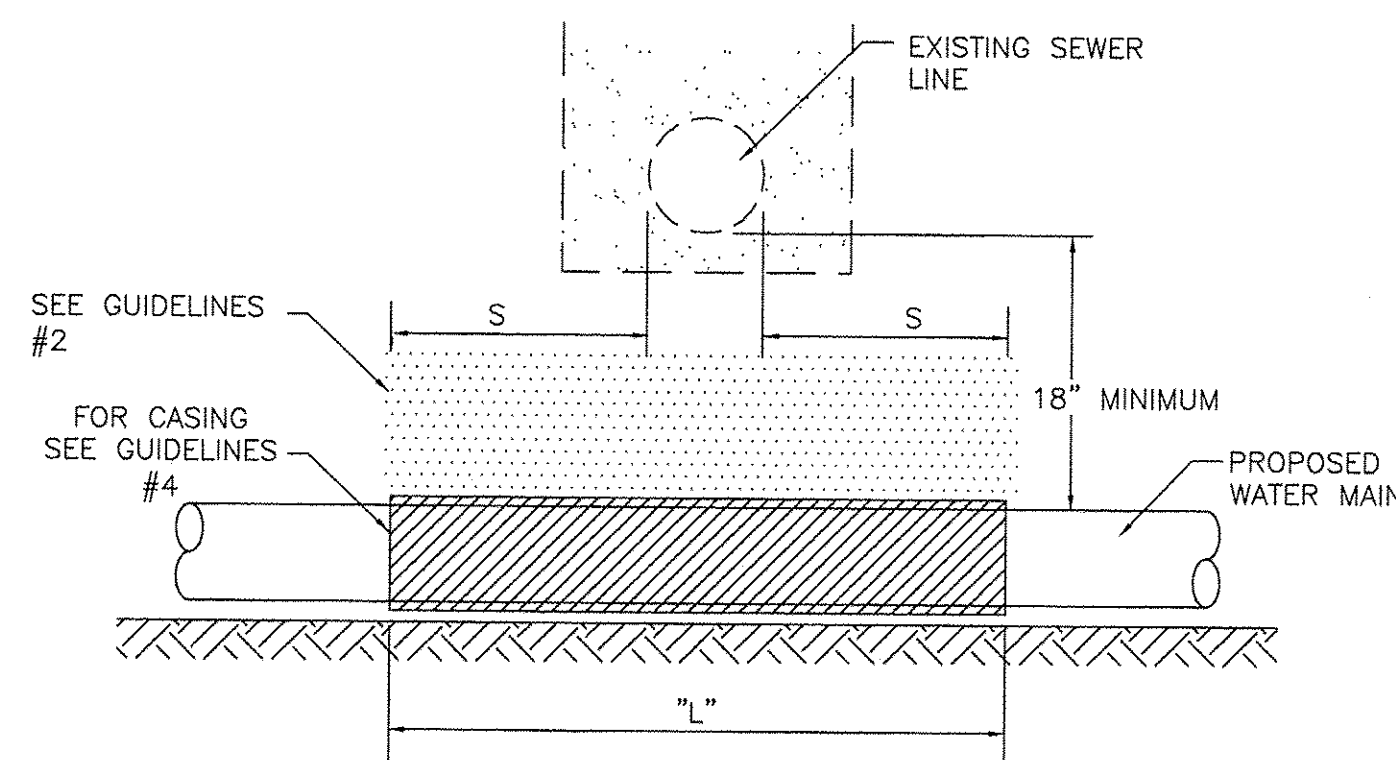
**WATER AND SEWER SEPARATION REQUIREMENTS**

**VERTICAL SEPARATION**

STANDARD DRAWING NO.22

PROPOSED WATER MAIN BELOW EXISTING SEWER LINE WITH 18" MINIMUM VERTICAL SEPARATION.

NOTE: COMPACTION REQUIREMENTS REFER TO ARTICLE 20-4



NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO THE EXISTING SEWER LINE

**GUIDELINES**

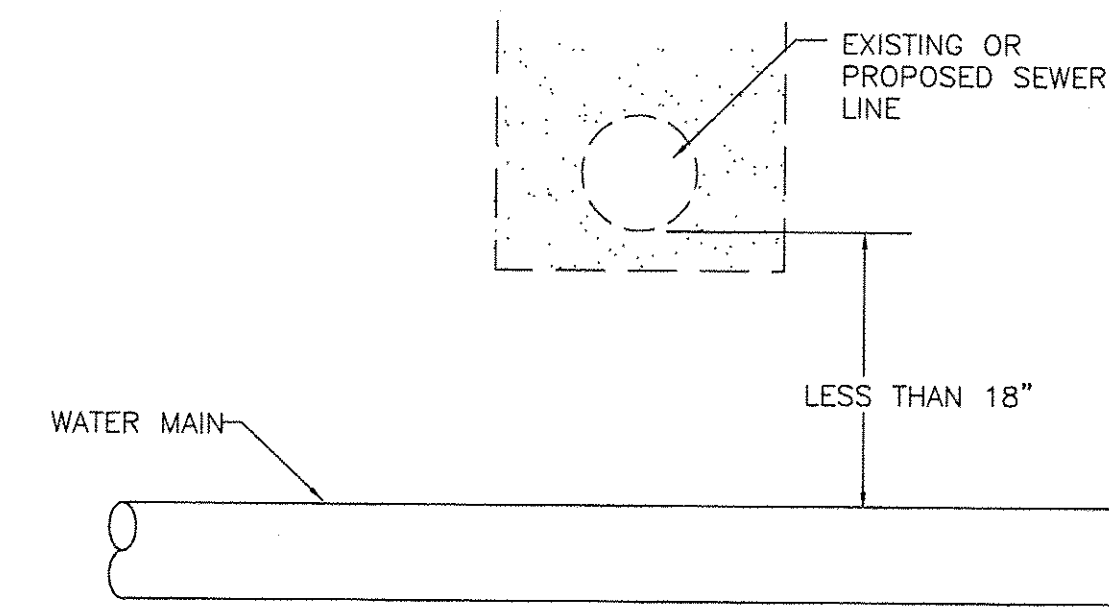
- OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
- IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
- PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.
- USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.

**WATER AND SEWER SEPARATION REQUIREMENTS**

**VERTICAL SEPARATION**

STANDARD DRAWING NO.23

PLACEMENT OF WATER MAIN BELOW EXISTING OR PROPOSED SEWER LINE WITH LESS THAN 18" MINIMUM VERTICAL SEPARATION. NOT ALLOWED.



NOT ALLOWED\*  
MUST MAINTAIN 18" VERTICAL SEPARATION

**WATER AND SEWER SEPARATION REQUIREMENTS**

**VERTICAL SEPARATION**

STANDARD DRAWING NO.24

**PIPE MATERIAL SPECIFICATION**

WHERE POLYVINYL CHLORIDE PIPE (P.V.C.) IS CALLED FOR ON THE CONTRACT PLANS, IT SHALL BE SDR 26 IN CONFORMANCE WITH:

- 6" TO 15" PIPE ASTM D-3034
- 18" OR LARGER PIPE ASTM F-679

WHERE DUCTILE IRON PIPE (D.I.P.) IS CALLED FOR ON THE CONTRACT PLANS, IT SHALL BE:

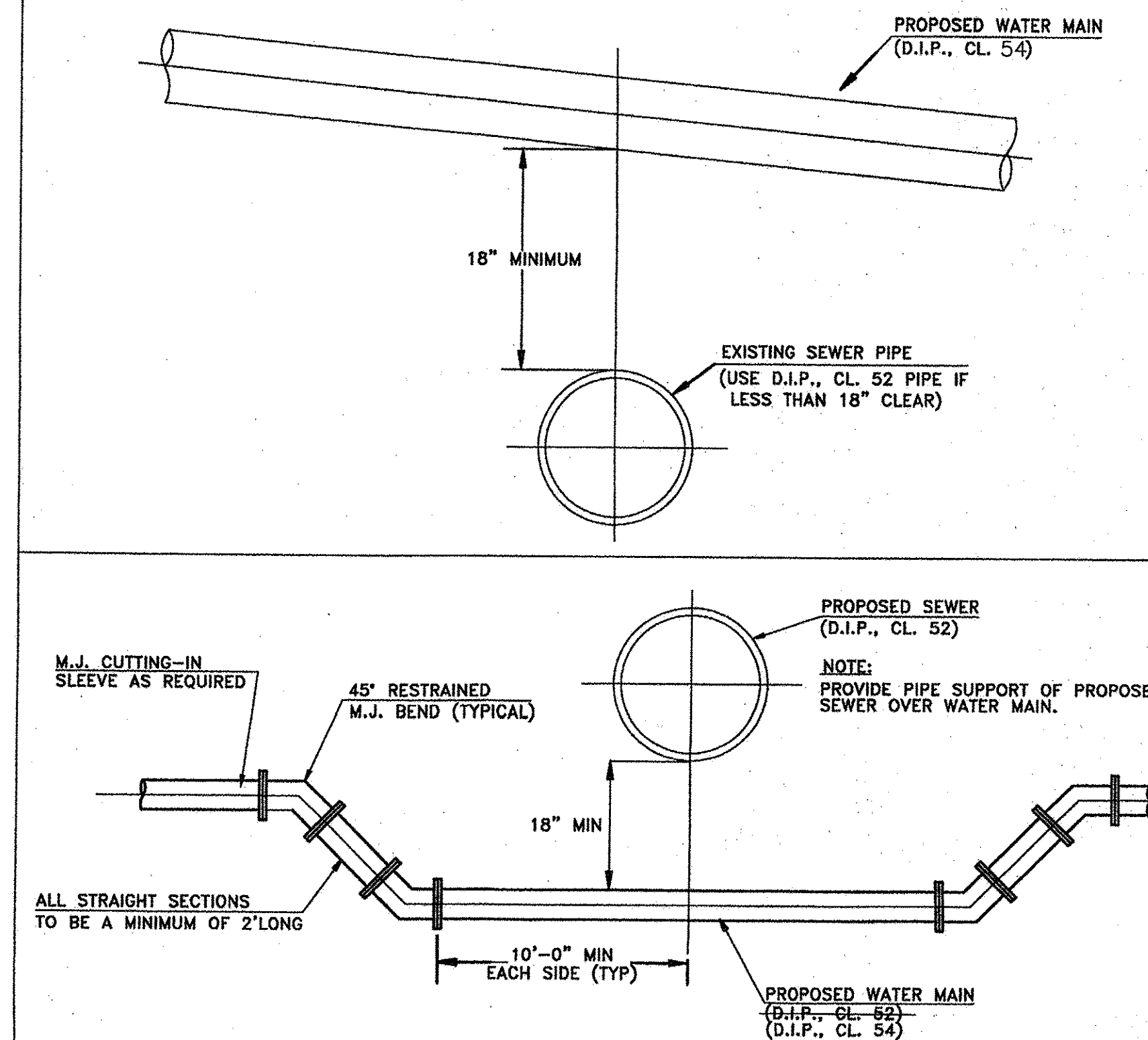
**FOR SEWER: CLASS 50 IN CONFORMANCE WITH:**

- ANSI A-21.51 PIPE
- ANSI A-21.11 JOINT

**FOR WATER: CLASS 54 IN CONFORMANCE WITH:**

- Mechanical Joints; AWWA C-153
- Push-On Joints; AWWA C-153

**WATER MAIN ADJUSTMENT DETAIL**



COMPANY NAME: HRGreen  
 PROJECT CONTACT: HRGreen  
 DATE PLOTTED: 11/14/2016 10:59 AM  
 PLOT NUMBER: 91140095-Cover-Details  
 PLOT SCALE: N.T.S.  
 PLOT DATE: 11/14/2016

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FILE NAME = 91140095-Cover-Details	DRAWN - MPL/CF	REVISED -
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PLOT DATE = 11/14/2016	DATE - 11/11/2016	REVISED -

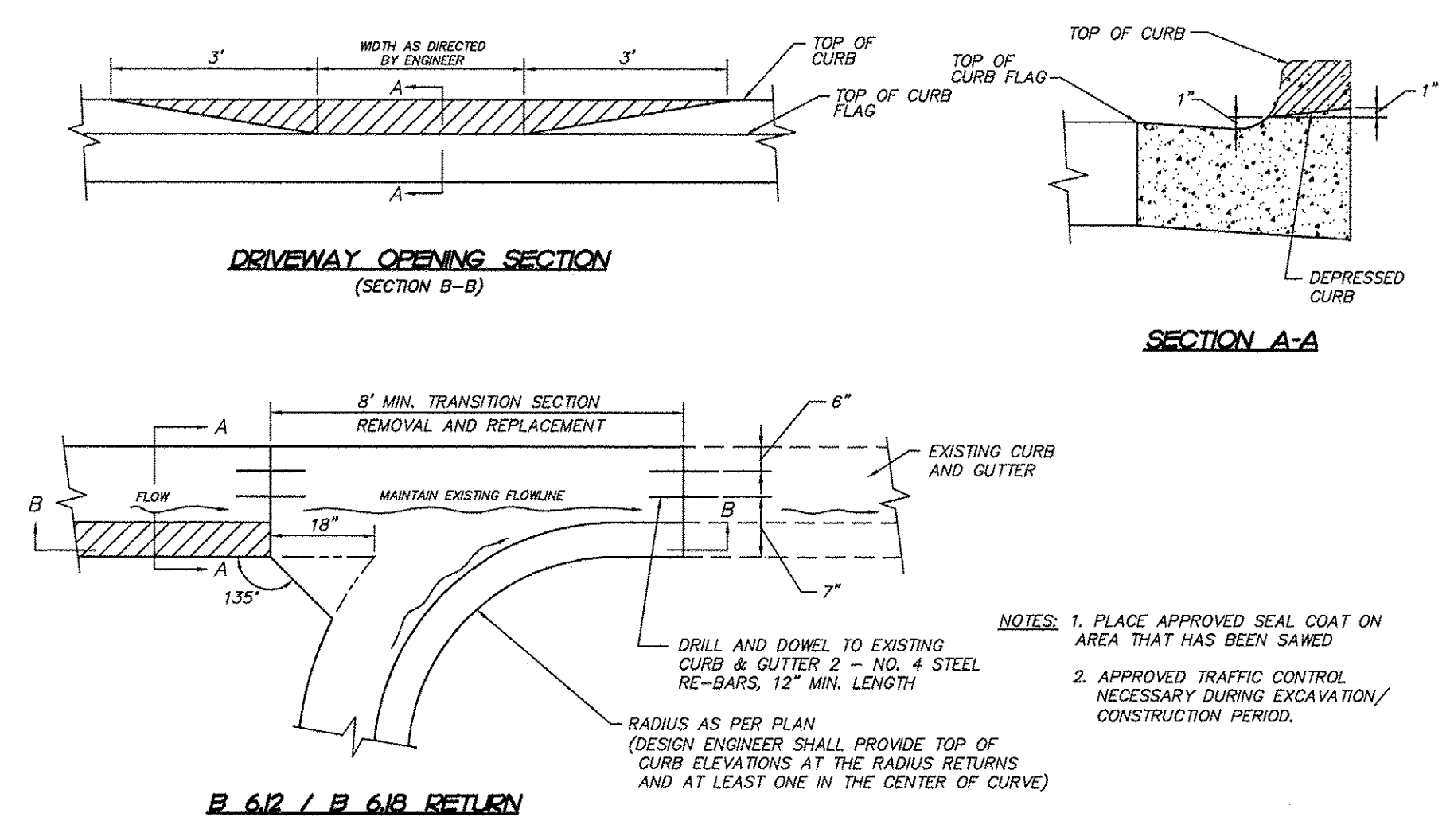
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CHICAGO AVE./SHERIDAN RD.  
 WATER MAIN REPLACEMENT  
 STANDARD CONSTRUCTION DETAILS**

SCALE: N.T.S. SHEET NO. 4 OF 5 SHEETS STA. TO STA.

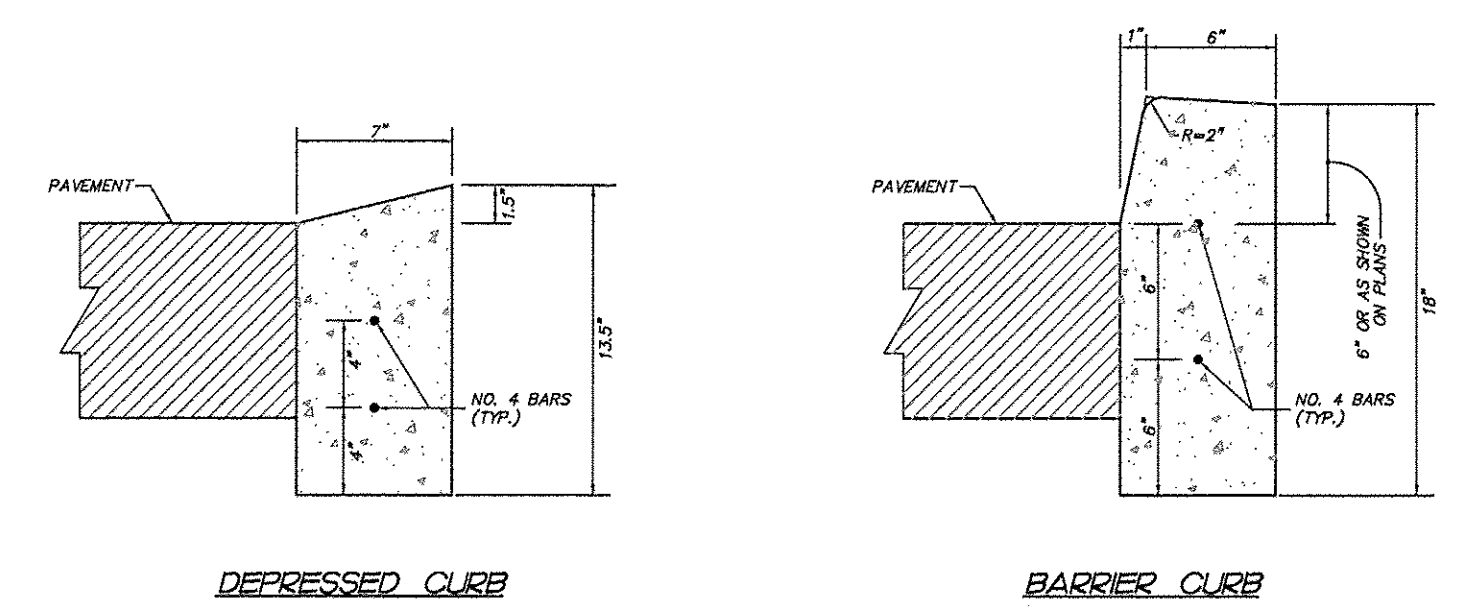
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	120
CONTRACT NO. 61A36				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

**DEPRESSED CURB ENTRANCE**



R-3

**CONCRETE BARRIER CURB - TYPE B  
(ADJACENT TO FLEXIBLE PAVEMENT)**



JOINTS—IN ADDITION TO THE REQUIREMENTS OF ART. 606.06 OF THE STANDARD SPECIFICATIONS, JOINTS SHALL BE CONSTRUCTED AS FOLLOWS.

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

WHEN CURB AND GUTTER IS CONSTRUCTED ADJACENT TO FLEXIBLE PAVEMENT, A 1" THICK PREFORMED EXPANSION JOINT FILLER, CONFORMING TO THE CROSS SECTION OF THE CURB AND GUTTER, SHALL BE INSTALLED AT POINTS OF CURVATURE FOR SHORT RADIUS CURVES AND AT CONSTRUCTION JOINTS. CONTRACTION JOINTS SHALL BE PLACED BETWEEN EXPANSION JOINTS AT INTERVALS NOT TO EXCEED 20 FEET.

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

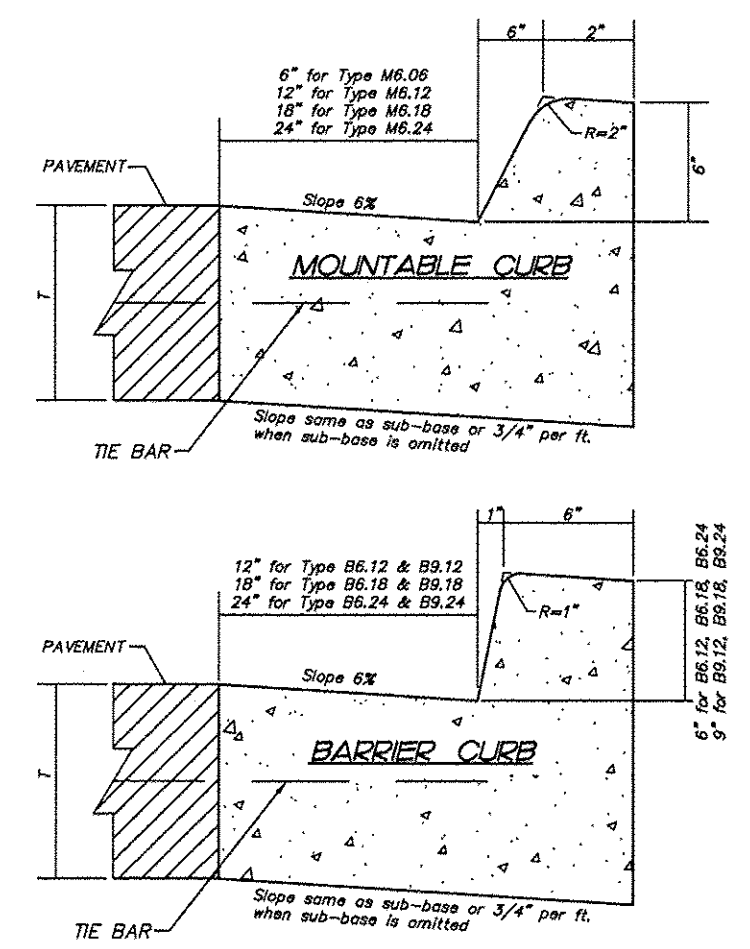
ALL CONSTRUCTION JOINTS SHALL BE PROVIDED WITH 1/2" DIAMETER DEFORMED STEEL TIE BARS 30" LONG CONFORMING TO AASHTO M-31 OR M-53. TIE BARS SHALL BE PLACED ON 5" CENTERS (MINIMUM 2 PER JOINT).

TRANSITIONS—THE TRANSITION FROM FULL HEIGHT CURB TO DEPRESSED SHALL BE MADE AT THE RATE OF 3" PER FOOT OF LENGTH OR FLATTER.

EXPANSION JOINTS SHALL BE PLACED AT INTERVALS NOT TO EXCEED 100 FEET.

CRB-B

**CONCRETE CURB AND GUTTER DETAIL**



THICKNESS - T - Thickness of pavement. When curb & gutter is constructed adjacent to flexible pavement, the vertical thickness of the gutter flag shall be 9". Also, tie bars shall be omitted.

DRAINAGE OPENINGS - At all locations where metal casings are to be incorporated in the curb and gutter, a 1" thick preformed joint filler, conforming to the cross sections of the curb and gutter, shall be installed in the curb and gutter a distance of 10 ft. from each side of the metal casing. When the width of the metal casing is less than the width of the curb and gutter, 2 - No. 4 rebar (L = 12" + casing length + 12") shall be incorporated in the continuous portion of concrete gutter in front of the casing.

TRANSITIONS - The transition from full height curb to depressed curb shall be made at the rate of 3" per foot of length or flatter.

JOINTS - In addition to the requirements of Article 606.06 of the Standard Specifications, joints shall be constructed as follows.

Contraction joints and expansion joints shall be installed in the curb and gutter in prolongation with joints in adjacent P.C.C. pavement or base course.

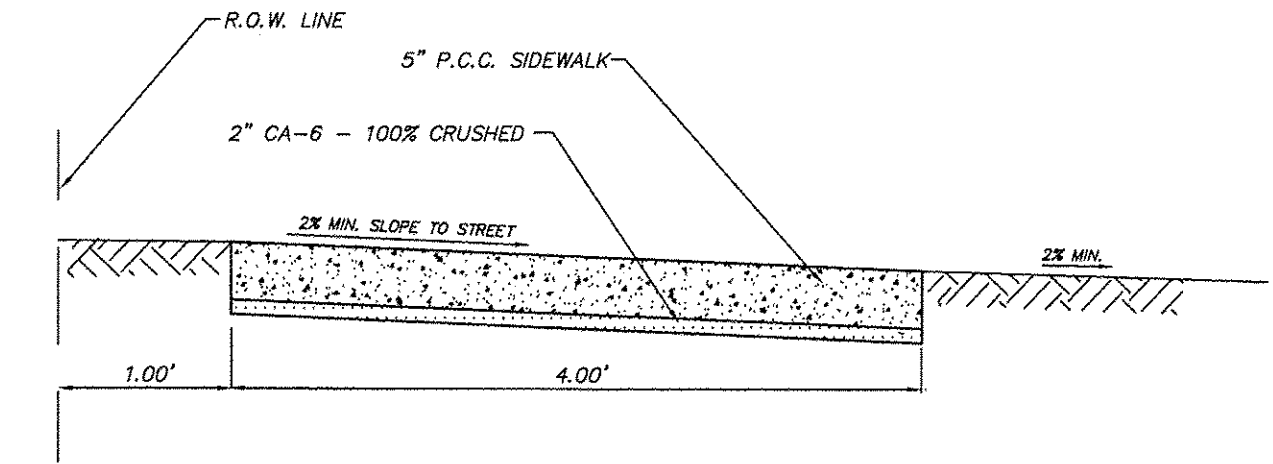
When curb and gutter is constructed adjacent to flexible pavement, a 1" thick preformed expansion joint filler, conforming to the cross section of the curb and gutter shall be installed at points of curvature for short radius curves and at construction joints. Contraction joints shall be placed between expansion joints at distances not to exceed 15 feet.

All expansion joints shall be provided with a 1 1/4" dia. X 18" coated smooth dowel bar conforming to Article 1006.11(b) of the Standard Specifications. The dowel bar shall be fitted with a cap having a pinched stop that will provide 1" of expansion.

All construction joints shall be provided with 1/2" dia. deformed steel tie bars 30" long conforming to AASHTO M-31 of M-53. Tie bars shall be placed on 5" centers (minimum 2 per joint).

R-2

**SIDEWALK DETAIL**



NOTES:  
SIDEWALK THROUGH DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY/VILLAGE REQUIREMENTS. ALL SIDEWALKS SHALL HAVE CONTRACTION JOINTS AT 5' AND EXPANSION JOINTS AT 25' INTERVALS.

R-4

COMPANY NAME: HRGreen.com  
PROJECT CONTACT: HRGreen  
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PEN TABLE: SEC-Standard.ctb



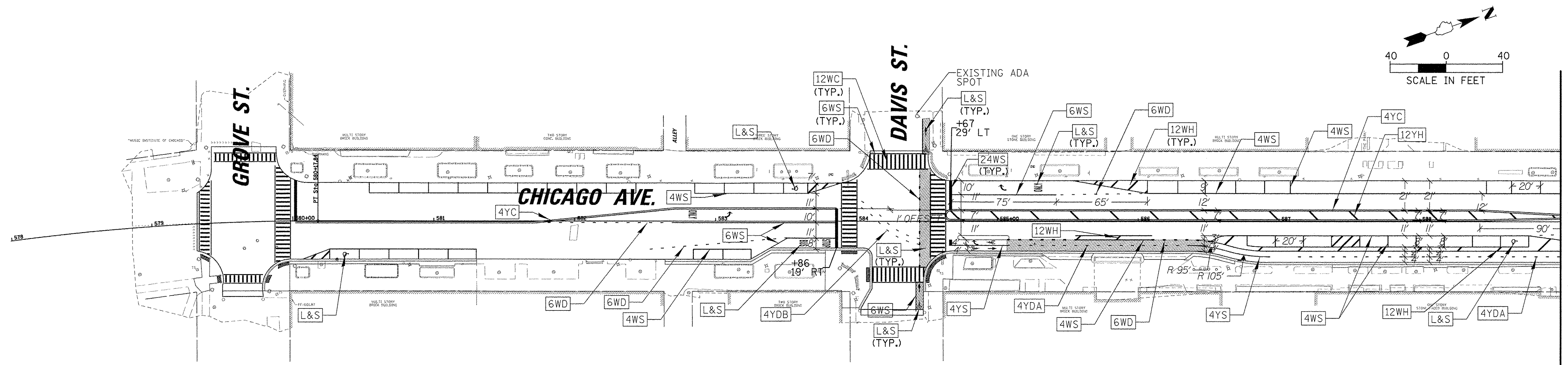
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PLOT SCALE = N.T.S.	CHECKED - MH	REVISED -
PLOT DATE = 11/14/2016	DATE - 11/11/2016	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CHICAGO AVE./SHERIDAN RD.  
WATER MAIN REPLACEMENT  
STANDARD CONSTRUCTION DETAILS

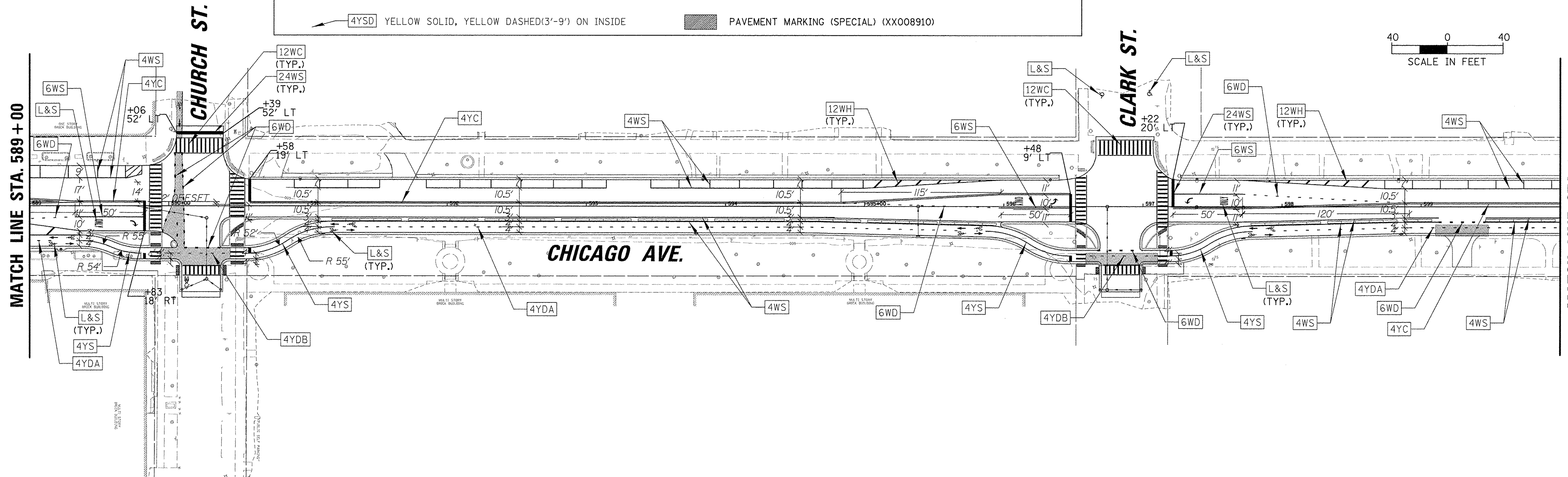
SCALE: N.T.S. SHEET NO. 5 OF 5 SHEETS STA. TO STA.

F.A.P. RTE. 2853	SECTION 14-00273-00-BT	COUNTY COOK	TOTAL SHEETS 274	SHEET NO. 121
CONTRACT NO. 61B36				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 589 + 00

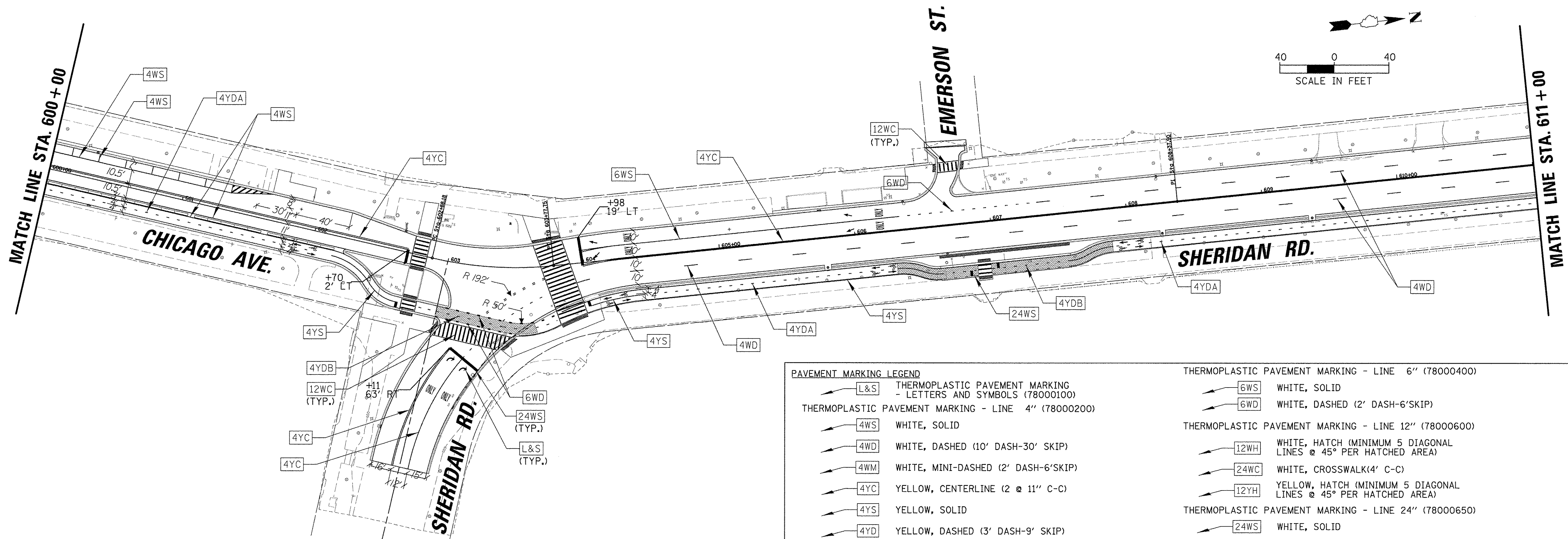
PAVEMENT MARKING LEGEND		THERMOPLASTIC PAVEMENT MARKING - LINE 6" (78000400)	
	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (78000100)		WHITE, SOLID
	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200)		WHITE, DASHED (2' DASH-6'SKIP)
	WHITE, SOLID		THERMOPLASTIC PAVEMENT MARKING - LINE 12" (78000600)
	WHITE, DASHED (10' DASH-30' SKIP)		WHITE, HATCH (MINIMUM 5 DIAGONAL LINES @ 45° PER HATCHED AREA)
	WHITE, MINI-DASHED (2' DASH-6'SKIP)		WHITE, CROSSWALK(4' C-C)
	YELLOW, CENTERLINE (2 @ 11" C-C)		YELLOW, HATCH (MINIMUM 5 DIAGONAL LINES @ 45° PER HATCHED AREA)
	YELLOW, SOLID		THERMOPLASTIC PAVEMENT MARKING - LINE 24" (78000650)
	YELLOW, DASHED (3' DASH-9' SKIP)		WHITE, SOLID
	YELLOW, DASHED (2'DASH,-6' SKIP)		YIELD TRIANGLES-18" C-C
	YELLOW SOLID, YELLOW DASHED(3'-9') ON INSIDE		PAVEMENT MARKING (SPECIAL) (XX008910)



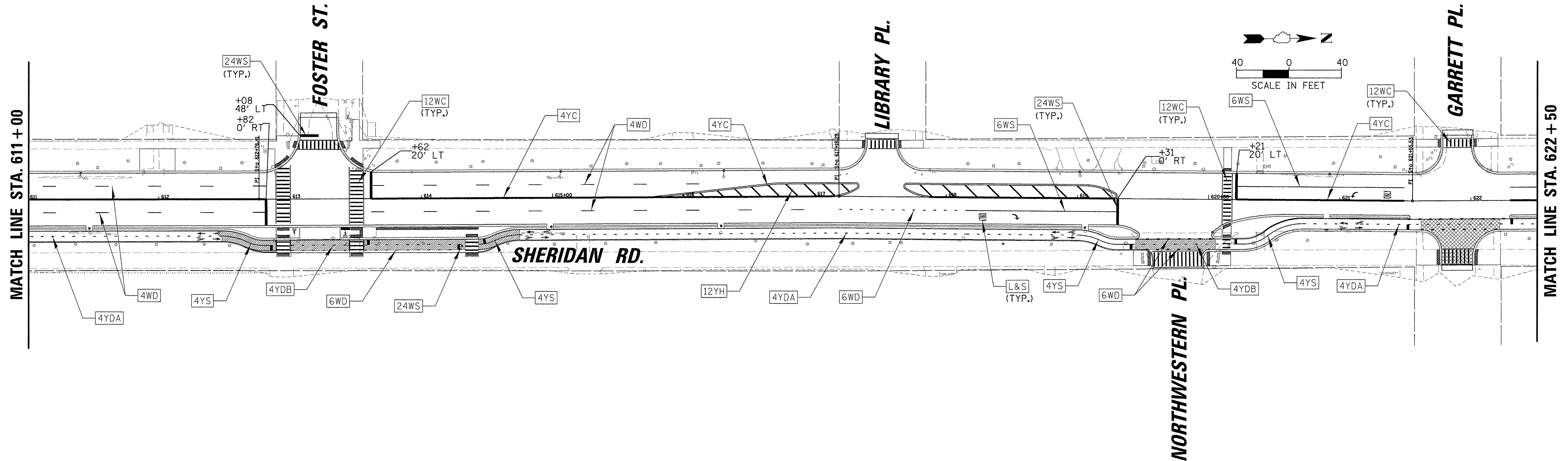
MATCH LINE STA. 589 + 00

MATCH LINE STA. 600 + 00

FILE NAME = N:\EVANSTON\140138.02\Civil\PMK_140138.02	USER NAME = mmichalowicz	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CHICAGO AVE/SHERIDAN RD. PAVEMENT MARKINGS PLAN</b>	F.A.U. RTE. = 2853	SECTION = 14-00273-00-BT	COUNTY = COOK	TOTAL SHEETS = 274	SHEET NO. = 122	
Default	PLOT SCALE = 40'	DRAWN -	REVISED -			SCALE: 1"= 40'	SHEET OF SHEETS	CONTRACT NO. = 61D36	ILLINOIS FED. AID PROJECT		
	PLOT DATE = 11/15/2016	CHECKED -	REVISED -			STA. TO STA.					
		DATE -	REVISED -								



PAVEMENT MARKING LEGEND		THERMOPLASTIC PAVEMENT MARKING - LINE 6" (78000400)	
L&S	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (78000100)	6WS	WHITE, SOLID
4WS	WHITE, SOLID	6WD	WHITE, DASHED (2' DASH-6'SKIP)
4WD	WHITE, DASHED (10' DASH-30' SKIP)	12WH	WHITE, HATCH (MINIMUM 5 DIAGONAL LINES @ 45° PER HATCHED AREA)
4WM	WHITE, MINI-DASHED (2' DASH-6'SKIP)	24WC	WHITE, CROSSWALK(4' C-C)
4YC	YELLOW, CENTERLINE (2 @ 11" C-C)	12YH	YELLOW, HATCH (MINIMUM 5 DIAGONAL LINES @ 45° PER HATCHED AREA)
4YS	YELLOW, SOLID	24WS	WHITE, SOLID
4YD	YELLOW, DASHED (3' DASH-9' SKIP)	18YL	YIELD TRIANGLES-18" C-C
4YDB	YELLOW, DASHED (2'DASH,-6' SKIP)		PAVEMENT MARKING (SPECIAL) (XX008910)
4YSD	YELLOW SOLID, YELLOW DASHED(3'-9') ON INSIDE		



**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CHICAGO AVE/SHERIDAN RD.  
PAVEMENT MARKINGS PLAN**

FILE NAME = N:\EVANSTON\140138.02\Civil\PMK\_140138.02  
Default

USER NAME = mmichalowicz  
DRAWN =  
CHECKED =  
PLOT DATE = 11/15/2016

DESIGNED -  
DRAWN -  
CHECKED -  
DATE -  
REVISED -  
REVISED -  
REVISED -  
REVISED -

SCALE: 1" = 40' SHEET OF SHEETS STA. TO STA.

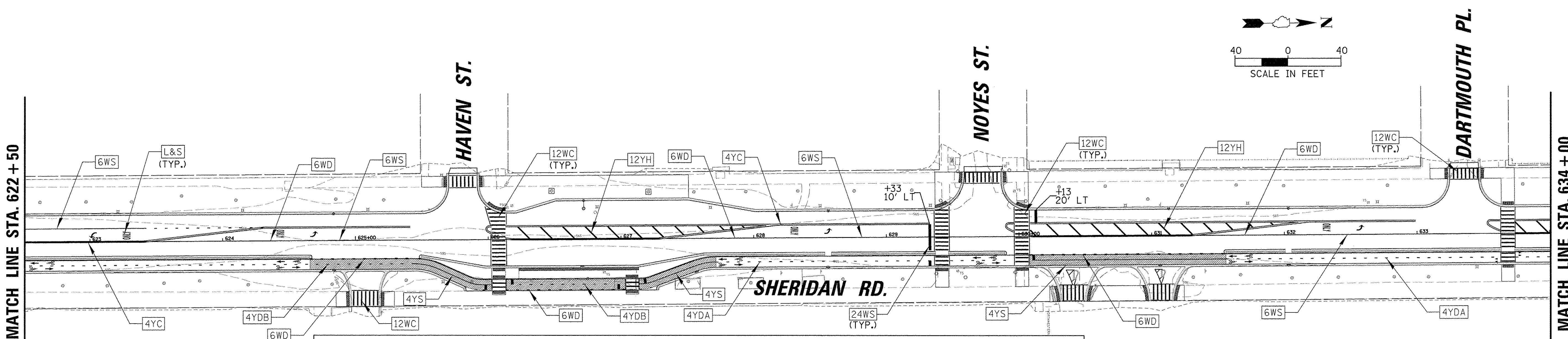
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT		274	123
CONTRACT NO. 61D36				
ILLINOIS FED. AID PROJECT				

MATCH LINE STA. 622 + 50

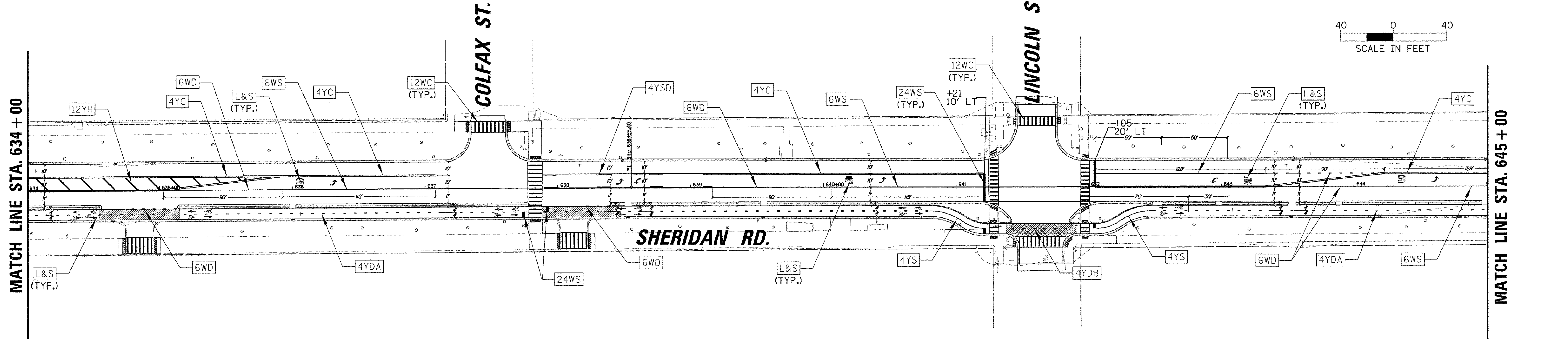
MATCH LINE STA. 634 + 00

MATCH LINE STA. 634 + 00

MATCH LINE STA. 645 + 00

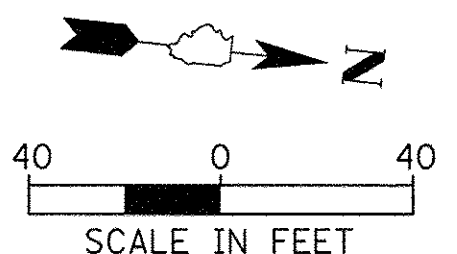
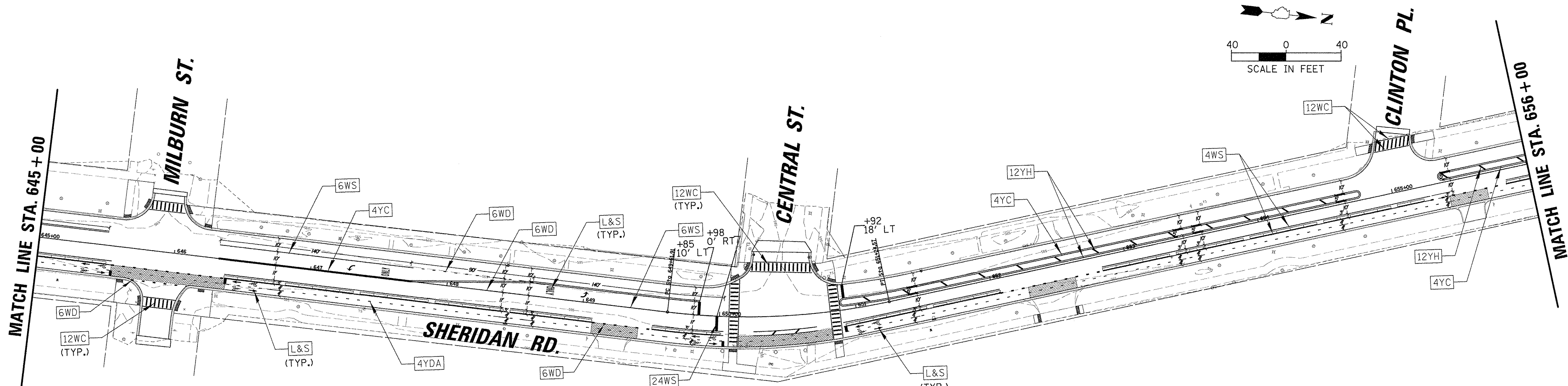


PAVEMENT MARKING LEGEND		THERMOPLASTIC PAVEMENT MARKING - LINE 6" (78000400)	
	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (78000100)		WHITE, SOLID
	WHITE, SOLID		WHITE, DASHED (2' DASH-6'SKIP)
	WHITE, DASHED (10' DASH-30' SKIP)		WHITE, HATCH (MINIMUM 5 DIAGONAL LINES @ 45° PER HATCHED AREA)
	WHITE, MINI-DASHED (2' DASH-6'SKIP)		WHITE, CROSSWALK(4' C-C)
	YELLOW, CENTERLINE (2 @ 11" C-C)		YELLOW, HATCH (MINIMUM 5 DIAGONAL LINES @ 45° PER HATCHED AREA)
	YELLOW, SOLID		WHITE, SOLID
	YELLOW, DASHED (3' DASH-9' SKIP)		YIELD TRIANGLES-18" C-C
	YELLOW, DASHED (2'DASH,-6' SKIP)		PAVEMENT MARKING (SPECIAL) (XX008910)
	YELLOW SOLID, YELLOW DASHED(3'-9') ON INSIDE		

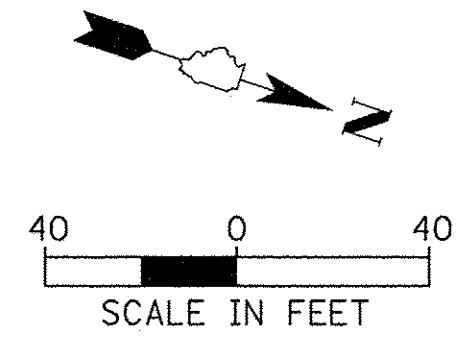
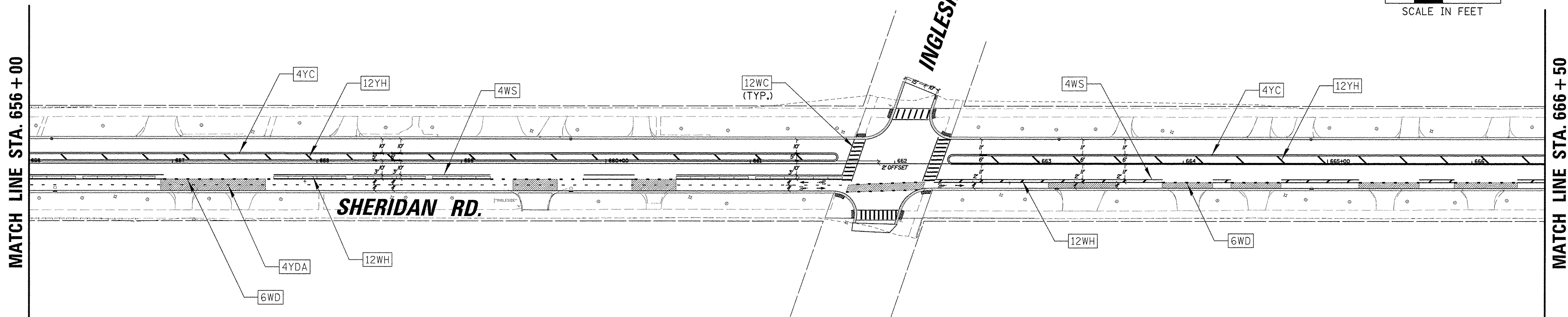


FILE NAME = N:\EVANSTON\140138.02\Civil\PMK_140138.02	USER NAME = mmscholarowicz	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CHICAGO AVE/SHERIDAN RD. PAVEMENT MARKINGS PLAN</b>	F.A.U. RTE. = 2853	SECTION = 14-00273-00-BT	COUNTY = COOK	TOTAL SHEETS = 274	SHEET NO. = 124	
PLOT SCALE = 40'	PLOT DATE = 11/15/2016	DRAWN -	REVISED -			SCALE: 1"= 40'	SHEET OF SHEETS STA. TO STA.	CONTRACT NO. 61D36			
Default		CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT					
		DATE -	REVISED -								



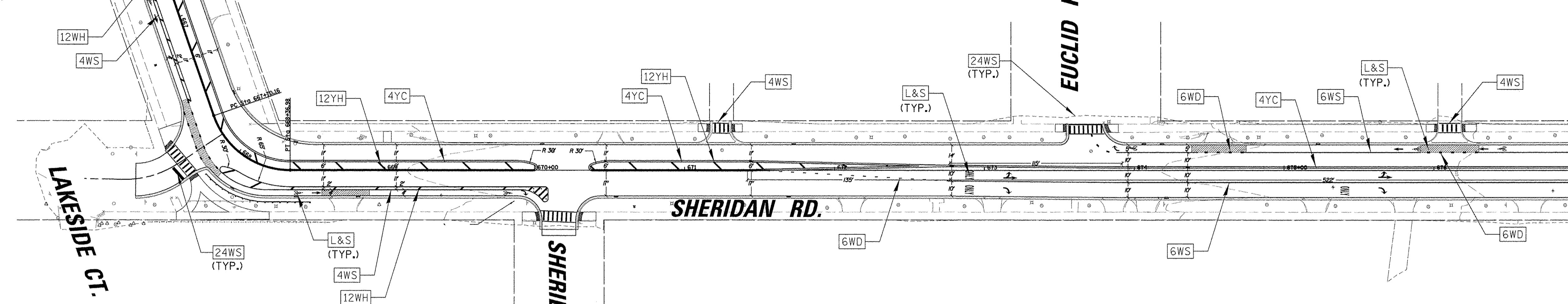
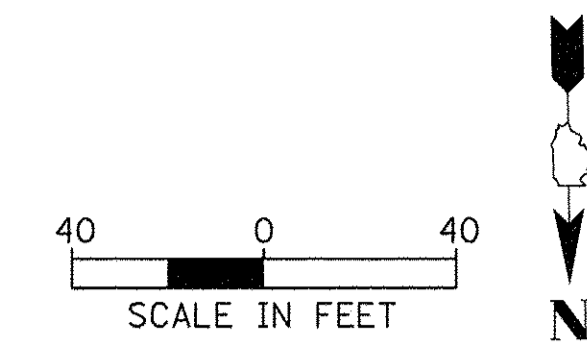


PAVEMENT MARKING LEGEND	
L&S	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200)
4WS	WHITE, SOLID
4WD	WHITE, DASHED (10' DASH-30' SKIP)
4WM	WHITE, MINI-DASHED (2' DASH-6'SKIP)
4YC	YELLOW, CENTERLINE (2 @ 11" C-C)
4YS	YELLOW, SOLID
4YD	YELLOW, DASHED (3' DASH-9' SKIP)
4YDB	YELLOW, DASHED (2'DASH,-6' SKIP)
4YSD	YELLOW SOLID, YELLOW DASHED(3'-9') ON INSIDE
6WS	THERMOPLASTIC PAVEMENT MARKING - LINE 6" (78000400)
6WD	WHITE, SOLID
6WD	WHITE, DASHED (2' DASH-6'SKIP)
12WH	THERMOPLASTIC PAVEMENT MARKING - LINE 12" (78000600)
12WH	WHITE, HATCH (MINIMUM 5 DIAGONAL LINES @ 45° PER HATCHED AREA)
24WC	WHITE, CROSSWALK(4' C-C)
12YH	YELLOW, HATCH (MINIMUM 5 DIAGONAL LINES @ 45° PER HATCHED AREA)
24WS	THERMOPLASTIC PAVEMENT MARKING - LINE 24" (78000650)
24WS	WHITE, SOLID
18YL	YIELD TRIANGLES-18" C-C
	PAVEMENT MARKING (SPECIAL) (XX008910)



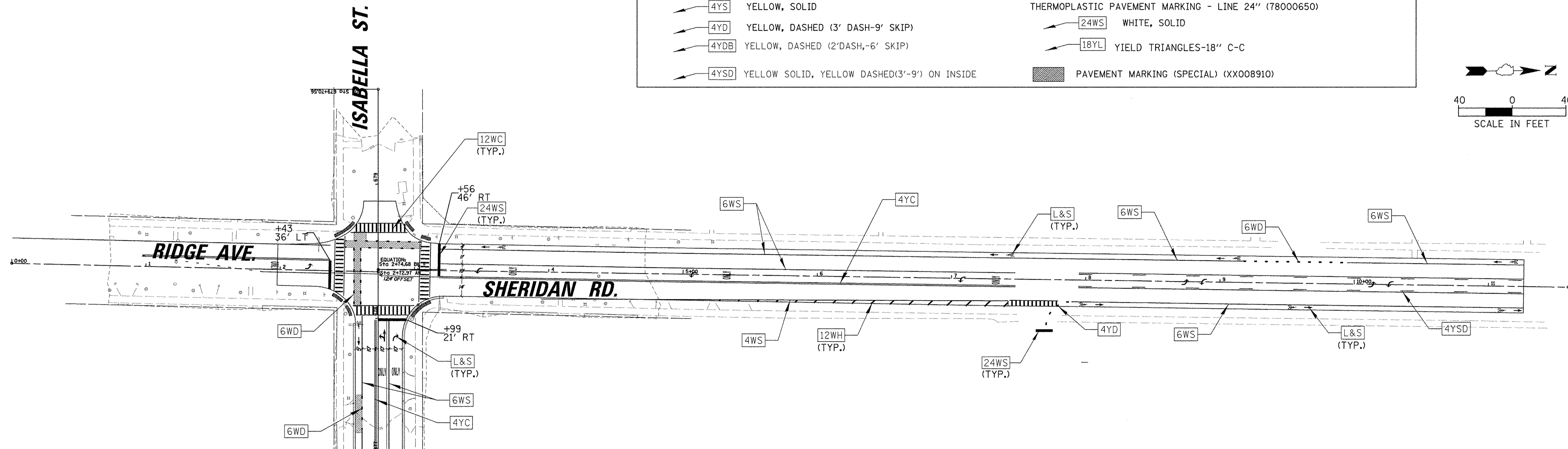
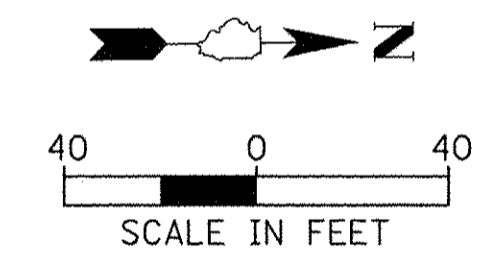
FILE NAME = N:\EVANSTON\140138.02\Civil\PMK_140138.02	USER NAME = mmichalowiec	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CHICAGO AVE/SHERIDAN RD. PAVEMENT MARKINGS PLAN</b>	F.A.U. RTE. 2853	SECTION 14-00273-00-BT	COUNTY COOK	TOTAL SHEETS 274	SHEET NO. 125		
PLOT SCALE = 40'	PLOT DATE = 11/15/2016	DRAWN -	REVISED -			SCALE: 1"= 40'	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 61D36			
Default		CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT						
		DATE -	REVISED -									

MATCH LINE STA. 666 + 50



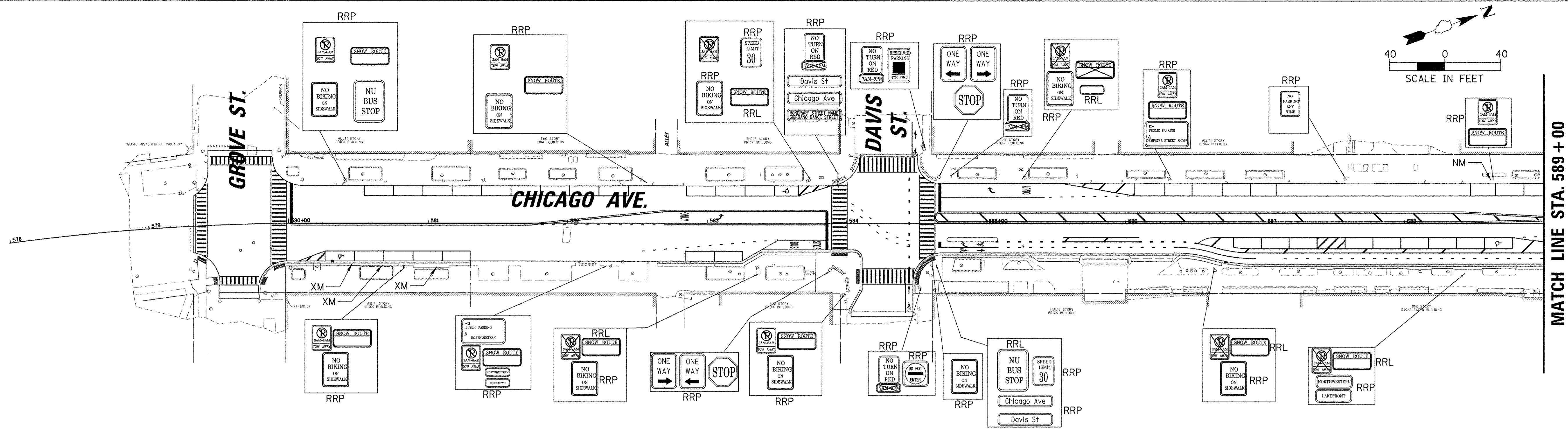
MATCH LINE STA. 677 + 00

PAVEMENT MARKING LEGEND		THERMOPLASTIC PAVEMENT MARKING - LINE 6" (78000400)	
L&S	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (78000100)	6WS	WHITE, SOLID
4WS	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200)	6WD	WHITE, DASHED (2' DASH-6'SKIP)
4WD	WHITE, SOLID	THERMOPLASTIC PAVEMENT MARKING - LINE 12" (78000600)	
4WM	WHITE, DASHED (10' DASH-30' SKIP)	12WH	WHITE, HATCH (MINIMUM 5 DIAGONAL LINES @ 45° PER HATCHED AREA)
4YC	WHITE, MINI-DASHED (2' DASH-6'SKIP)	24WC	WHITE, CROSSWALK(4' C-C)
4YS	YELLOW, CENTERLINE (2 @ 11" C-C)	12YH	YELLOW, HATCH (MINIMUM 5 DIAGONAL LINES @ 45° PER HATCHED AREA)
4YD	YELLOW, SOLID	THERMOPLASTIC PAVEMENT MARKING - LINE 24" (78000650)	
4YDB	YELLOW, DASHED (3' DASH-9' SKIP)	24WS	WHITE, SOLID
4YSD	YELLOW, DASHED (2'DASH,-6' SKIP)	18YL	YIELD TRIANGLES-18" C-C
4YSD	YELLOW SOLID, YELLOW DASHED(3'-9") ON INSIDE		PAVEMENT MARKING (SPECIAL) (XX008910)



MATCH LINE STA. 677 + 00

FILE NAME = N:\EVANSTON\140138.02\Civil\PHK_140138.02	USER NAME = mmicholowicz	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CHICAGO AVE/SHERIDAN RD. PAVEMENT MARKINGS PLAN</b>	F.A.U. RTE. = 2853	SECTION = 14-00273-00-BT	COUNTY = COOK	TOTAL SHEETS = 274	SHEET NO. = 126		
Default	PLOT SCALE = 40'	DRAWN -	REVISED -			SCALE: 1"= 40'	SHEET OF SHEETS	TO STA.	CONTRACT NO. 61D36			
	PLOT DATE = 11/15/2016	CHECKED -	REVISED -						ILLINOIS FED. AID PROJECT			
		DATE -	REVISED -									



MATCH LINE STA. 589 + 00

**NOTES:**

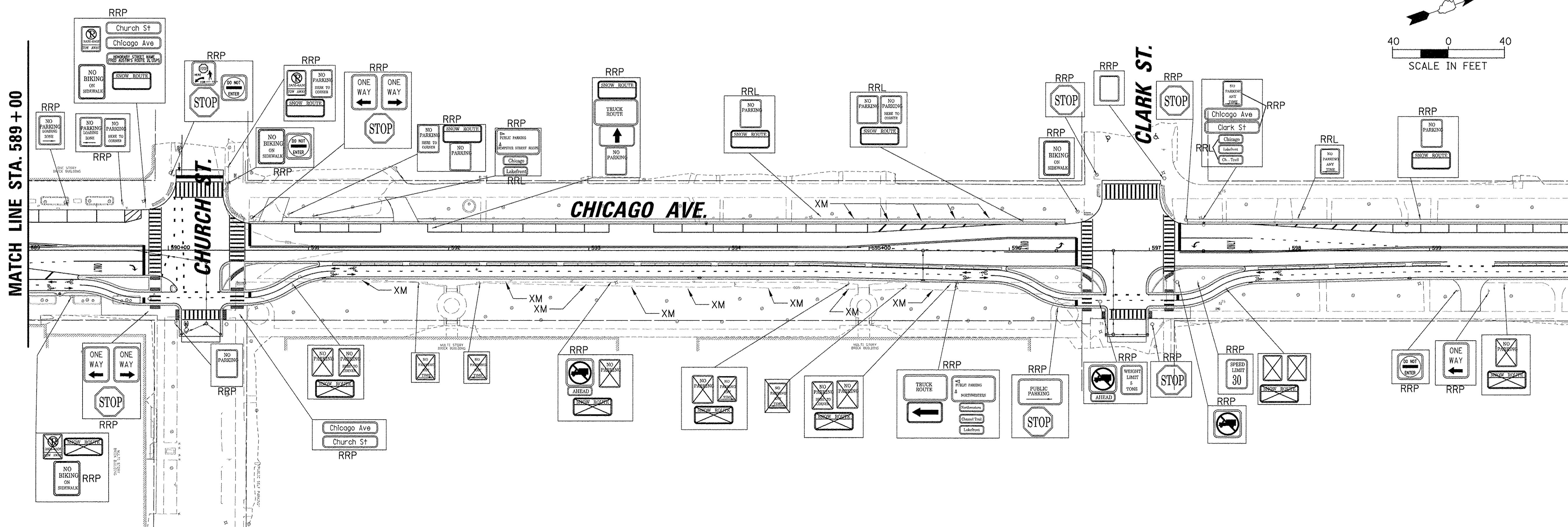
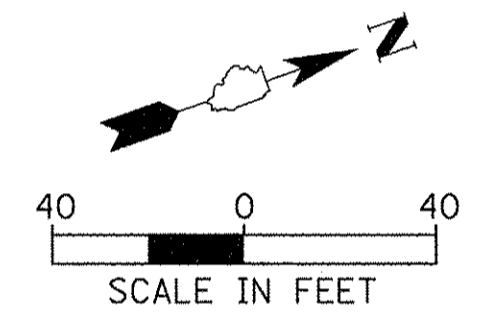
1. ANY SIGNS TO BE REPLACED SHOULD BE REPLACED WITH NEW SIGNS IF EXISTING SIGNS ARE FADED, DEFACED OR DAMAGED.
2. IF EXISTING SIGN WILL NOT BE IMPACTED BY CONSTRUCTION, IT MAY REMAIN IN PLACE.
3. IF CHANGES TO GEOMETRY/EQUIPMENT PRECLUDE EXACT REPLACEMENT, PLACE SIGN IN NEAREST APPROXIMATE SIMILAR LOCATION.
4. REMOVED SIGNS TO BE STORED AND PROVIDED TO CITY OF EVANSTON.

**NOTE:**

SEE TRAFFIC SIGNAL PLANS FOR SIGNAL RELATED SIGNS.

**LEGEND:**

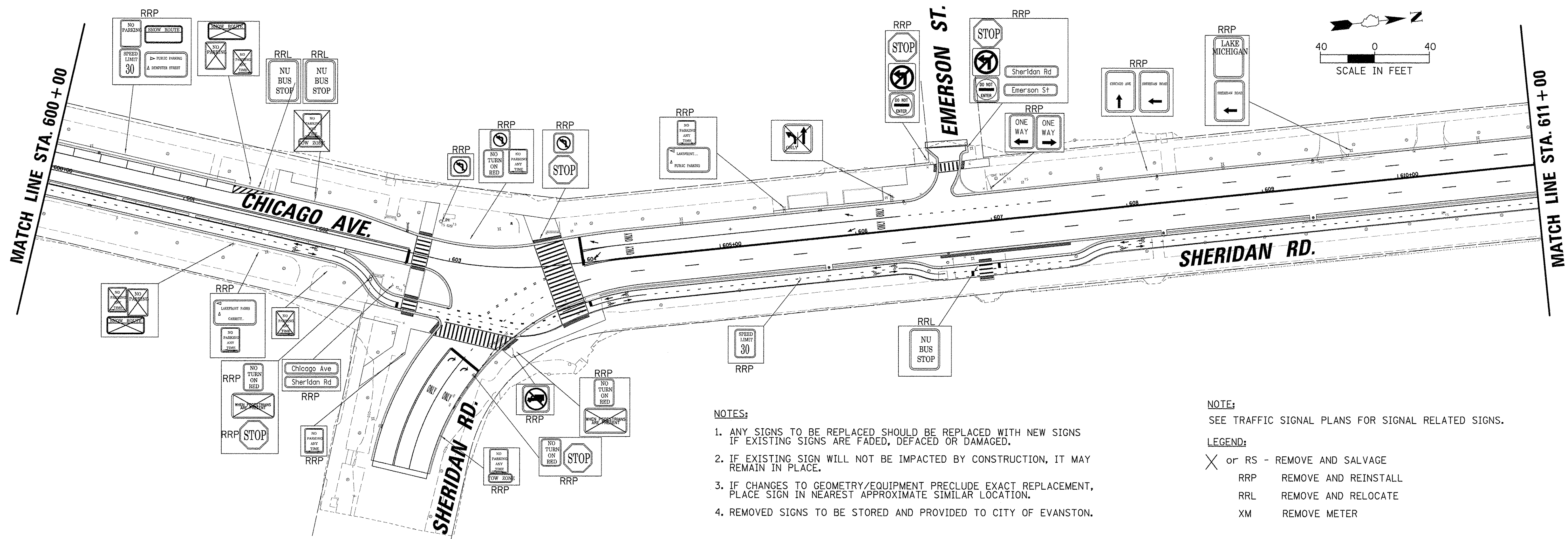
- X or RS - REMOVE AND SALVAGE
- RRP - REMOVE AND REINSTALL
- RRL - REMOVE AND RELOCATE
- XM - REMOVE METER



MATCH LINE STA. 589 + 00

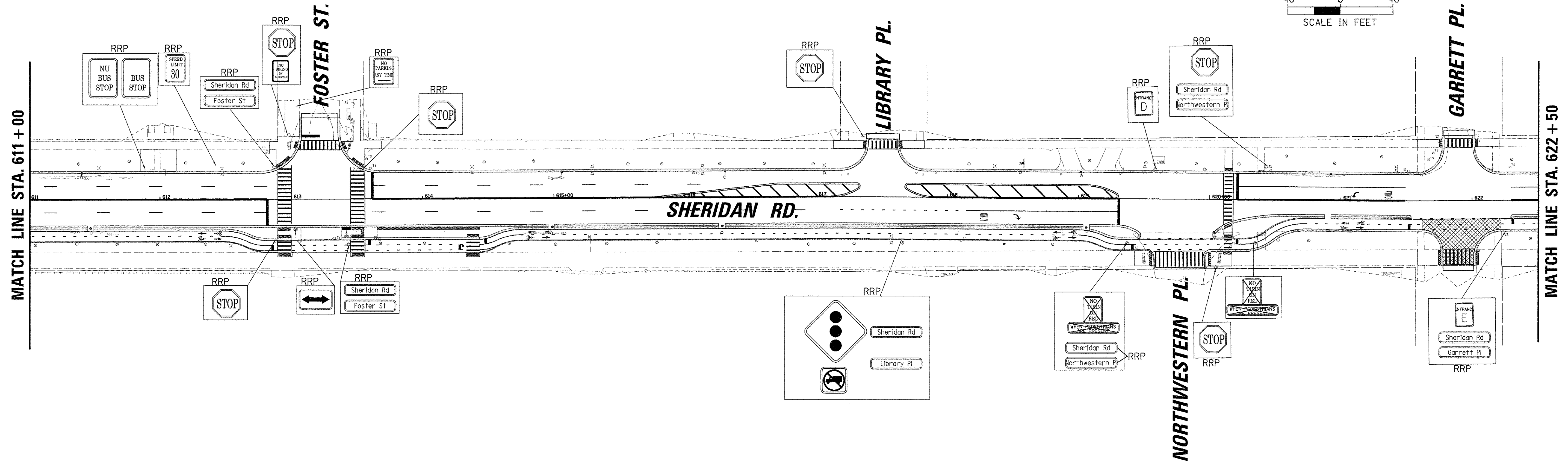
MATCH LINE STA. 600 + 00

FILE NAME = N:\EVANSTON\140138\02\Civil\EX_SGN_140138_02_01.SHT	USER NAME = mmichalowitz	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CHICAGO AVE/SHERIDAN RD. EXISTING SIGNAGE PLAN</b>	F.A.U. RTE. = 2853	SECTION = 14-00273-00-BT	COUNTY = COOK	TOTAL SHEETS = 274	SHEET NO. = 127		
Default	PLOT SCALE = 48"	DRAWN -	REVISED -			SCALE: 1" = 40'	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT			
	PLOT DATE = 11/15/2016	CHECKED -	REVISED -			CONTRACT NO. 61D36						
		DATE -	REVISED -									



- NOTES:**
1. ANY SIGNS TO BE REPLACED SHOULD BE REPLACED WITH NEW SIGNS IF EXISTING SIGNS ARE FADED, DEFACED OR DAMAGED.
  2. IF EXISTING SIGN WILL NOT BE IMPACTED BY CONSTRUCTION, IT MAY REMAIN IN PLACE.
  3. IF CHANGES TO GEOMETRY/EQUIPMENT PRECLUDE EXACT REPLACEMENT, PLACE SIGN IN NEAREST APPROXIMATE SIMILAR LOCATION.
  4. REMOVED SIGNS TO BE STORED AND PROVIDED TO CITY OF EVANSTON.

- NOTE:**  
SEE TRAFFIC SIGNAL PLANS FOR SIGNAL RELATED SIGNS.
- LEGEND:**
- X or RS - REMOVE AND SALVAGE
  - RRP - REMOVE AND REINSTALL
  - RRL - REMOVE AND RELOCATE
  - XM - REMOVE METER

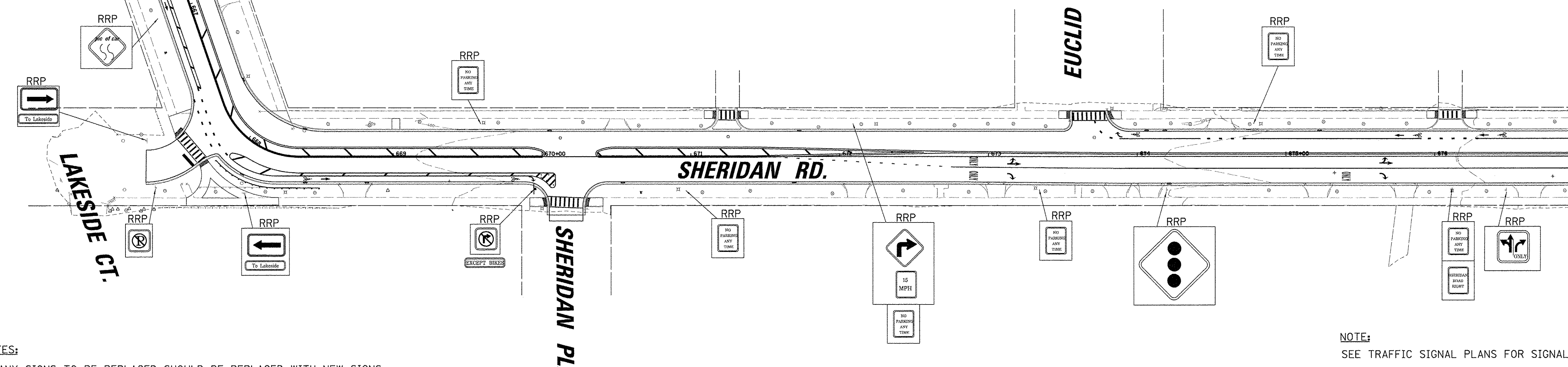
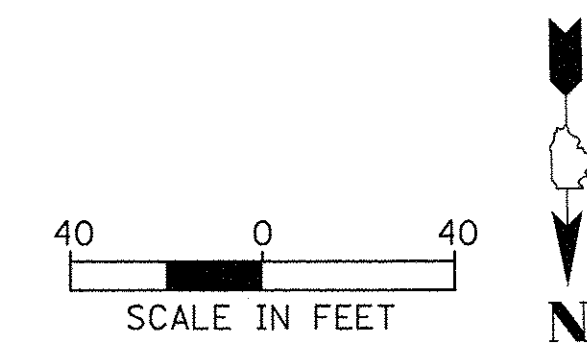


FILE NAME - N:\EVANSTON\140138.02\Civil\EX.SGN_140138.02_02.SHT	USER NAME - mmichalowicz	DESIGNED - DRAWN -	REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CHICAGO AVE/SHERIDAN RD. EXISTING SIGNAGE PLAN</b>	F.A.U. RTE. 2853	SECTION 14-00273-00-BT	COUNTY COOK	TOTAL SHEETS 274	SHEET NO. 128	
Default	PLOT SCALE = 40'	CHECKED - DATE -	REVISED - REVISED -			SCALE: 1"= 40'	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 61D36		
	PLOT DATE = 11/15/2016					ILLINOIS FED. AID PROJECT					





MATCH LINE STA. 666 + 50



MATCH LINE STA. 677 + 00

**NOTES:**

1. ANY SIGNS TO BE REPLACED SHOULD BE REPLACED WITH NEW SIGNS IF EXISTING SIGNS ARE FADED, DEFACED OR DAMAGED.
2. IF EXISTING SIGN WILL NOT BE IMPACTED BY CONSTRUCTION, IT MAY REMAIN IN PLACE.
3. IF CHANGES TO GEOMETRY/EQUIPMENT PRECLUDE EXACT REPLACEMENT, PLACE SIGN IN NEAREST APPROXIMATE SIMILAR LOCATION.
4. REMOVED SIGNS TO BE STORED AND PROVIDED TO CITY OF EVANSTON.

**NOTE:**

SEE TRAFFIC SIGNAL PLANS FOR SIGNAL RELATED SIGNS.

**LEGEND:**

- X or RS - REMOVE AND SALVAGE
- RRP - REMOVE AND REINSTALL
- RRL - REMOVE AND RELOCATE
- XM - REMOVE METER

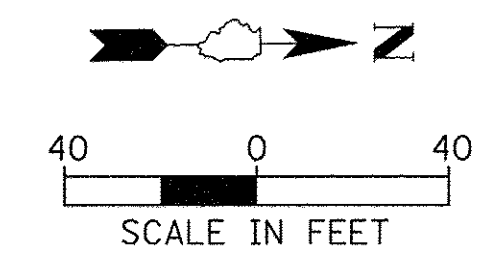
ISABELLA ST

RIDGE AVE.

SHERIDAN RD.

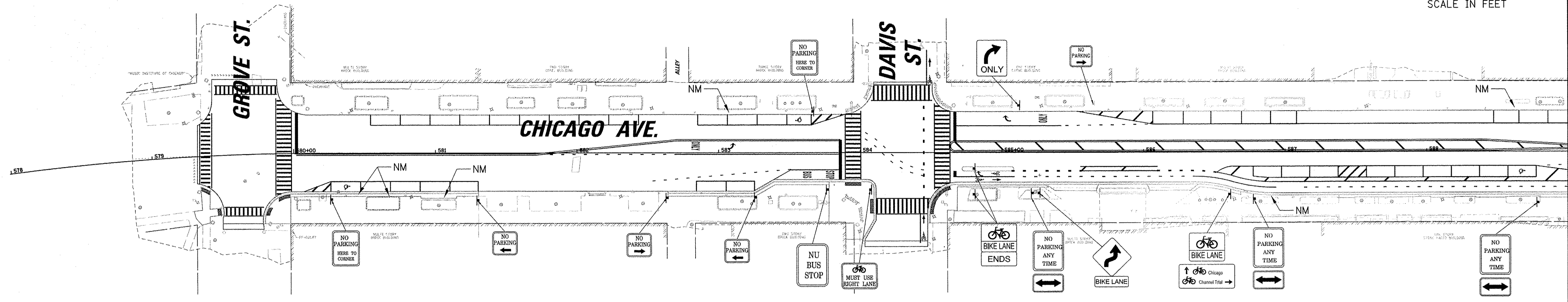
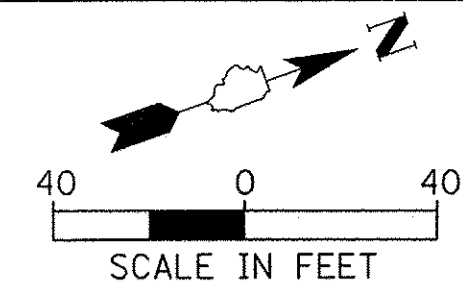
EUCLID PARK PL.

INGLESIDE PL.



MATCH LINE STA. 677 + 00

FILE NAME =	USER NAME = mmicholowicz	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CHICAGO AVE/SHERIDAN RD. EXISTING SIGNAGE PLAN</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
N:\EVANSTON\140130\02\Civil\EXH.SGN_140130	02_05.SHT	DRAWN -	REVISED -		SCALE: 1"= 40'	SHEET	OF	SHEETS	STA.	TO STA.	2853	14-00273-00-BT	COOK	274	131
DeFault	PLOT SCALE = 40'	CHECKED -	REVISED -		CONTRACT NO. 61D36										
	PLOT DATE = 11/15/2016	DATE -	REVISED -		ILLINOIS FED. AID PROJECT										

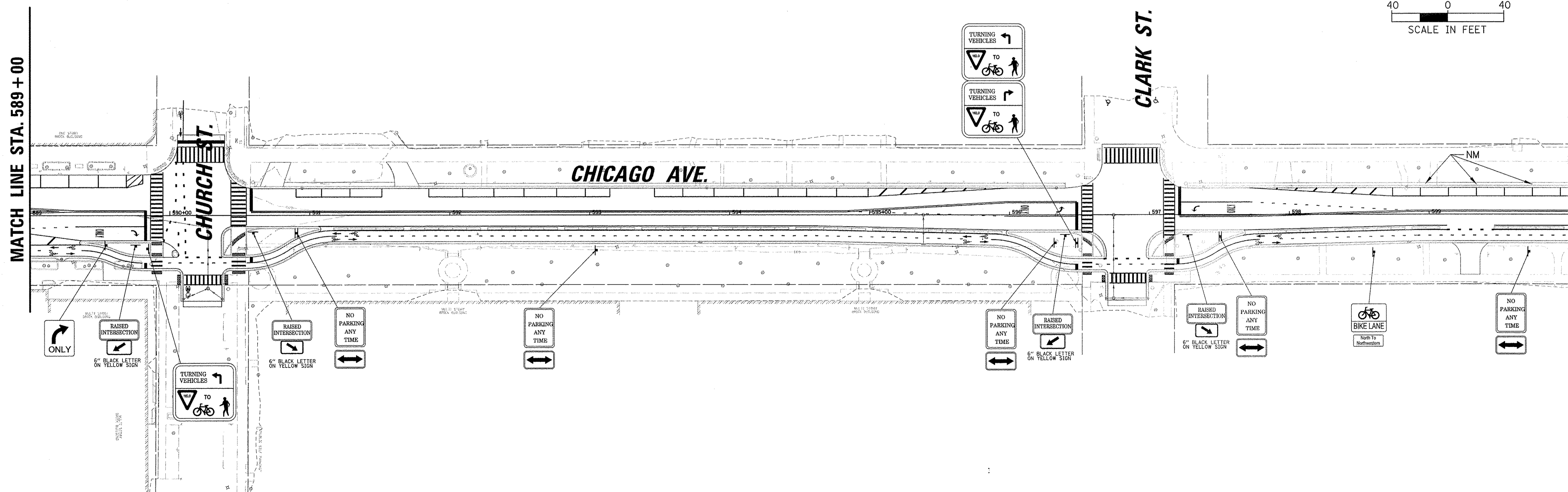
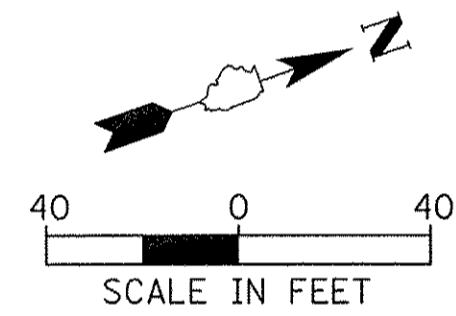


MATCH LINE STA. 589+00

NOTE:  
SEE TRAFFIC SIGNAL PLANS FOR SIGNAL RELATED SIGNS.

LEGEND:  
NM NEW METER

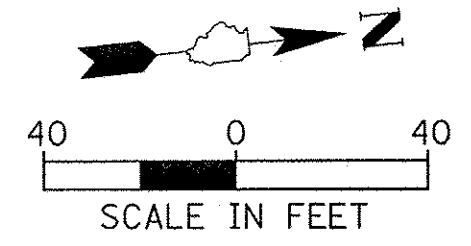
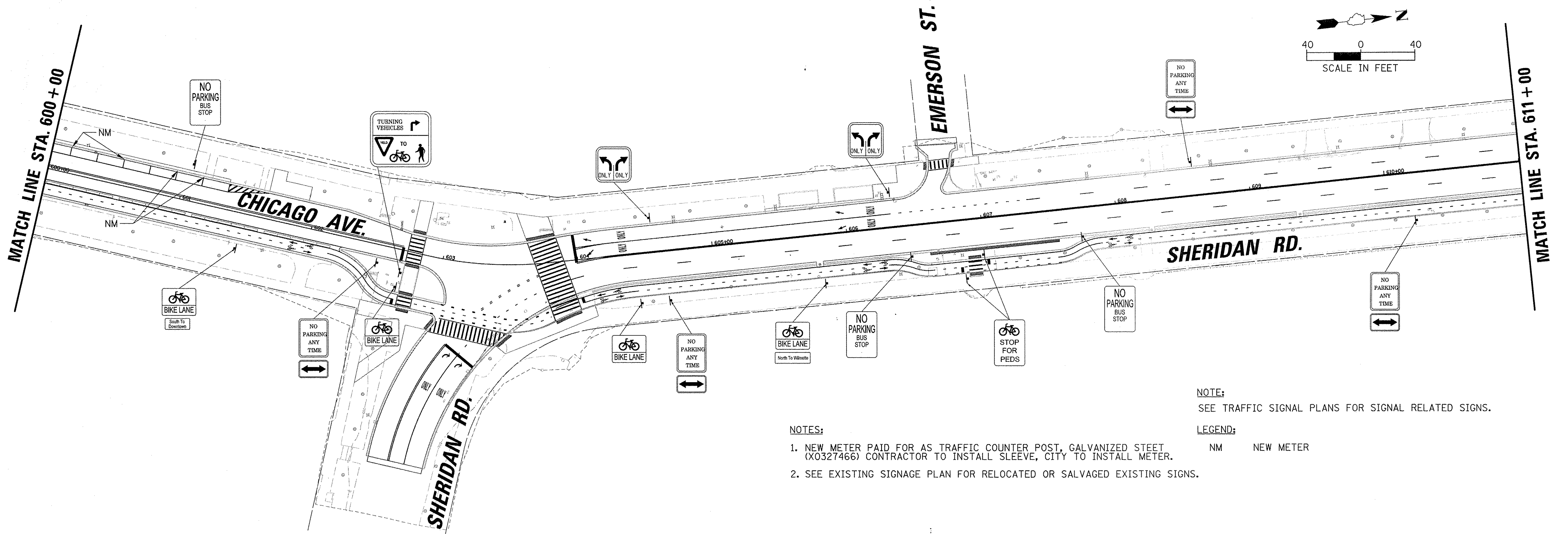
- NOTES:
1. NEW METER PAID FOR AS TRAFFIC COUNTER POST, GALVANIZED STEET (X0327466) CONTRACTOR TO INSTALL SLEEVE, CITY TO INSTALL METER.
  2. SEE EXISTING SIGNAGE PLAN FOR RELOCATED OR SALVAGED EXISTING SIGNS.



MATCH LINE STA. 600+00

FILE NAME = N:\EVANSTON\140138_02\Civil\SCN_140138_02	USER NAME = mmichalowicz	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CHICAGO AVE/SHERIDAN RD. PROPOSED SIGNAGE PLAN</b>	F.A.U. RTE. 2853	SECTION 14-00273-00-BT	COUNTY COOK	TOTAL SHEETS 274	SHEET NO. 132		
PLOT SCALE = 40'	PLOT DATE = 11/18/2016	DRAWN -	REVISED -			SCALE: 1"= 40'	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 61D36			
Default		CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT						
		DATE -	REVISED -									

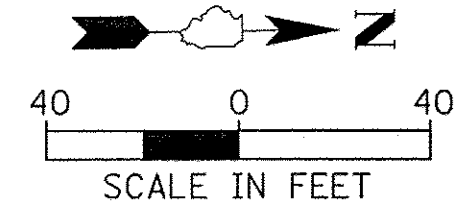
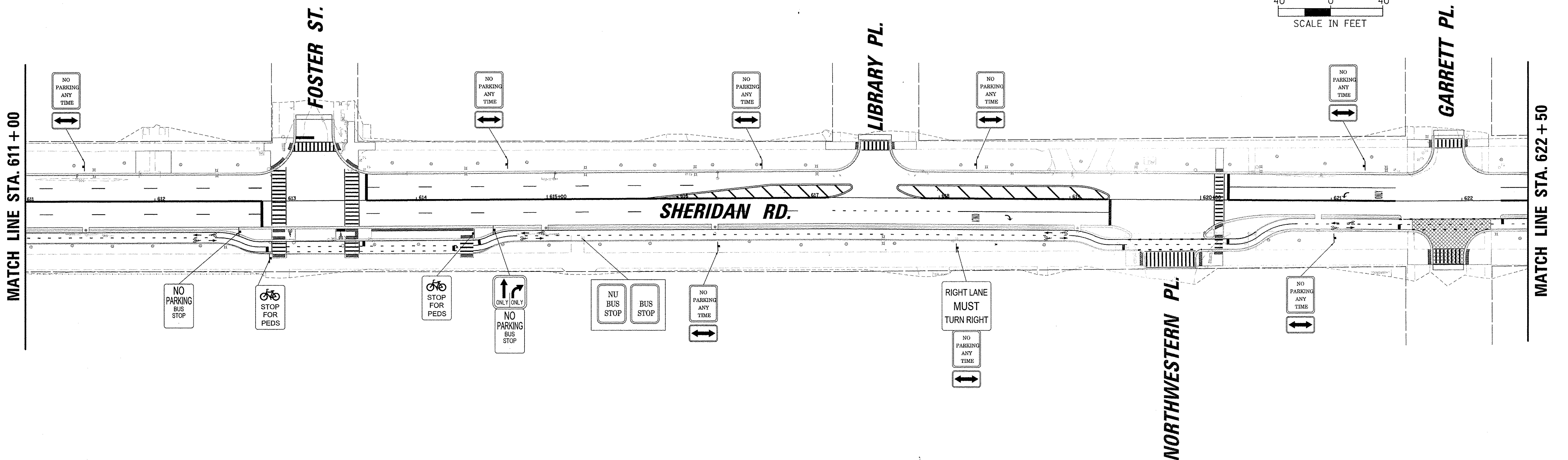




NOTE:  
SEE TRAFFIC SIGNAL PLANS FOR SIGNAL RELATED SIGNS.

- NOTES:
1. NEW METER PAID FOR AS TRAFFIC COUNTER POST, GALVANIZED STEEL (X0327466) CONTRACTOR TO INSTALL SLEEVE, CITY TO INSTALL METER.
  2. SEE EXISTING SIGNAGE PLAN FOR RELOCATED OR SALVAGED EXISTING SIGNS.

LEGEND:  
NM NEW METER



FILE NAME =	USER NAME = mmichalowicz	DESIGNED -	REVISED -
N:\EVANSTON\140138.02\Civil\SGN_140138.02	02.SHT	DRAWN -	REVISED -
Default	PLOT SCALE = 40'	CHECKED -	REVISED -
	PLOT DATE = 11/18/2016	DATE -	REVISED -

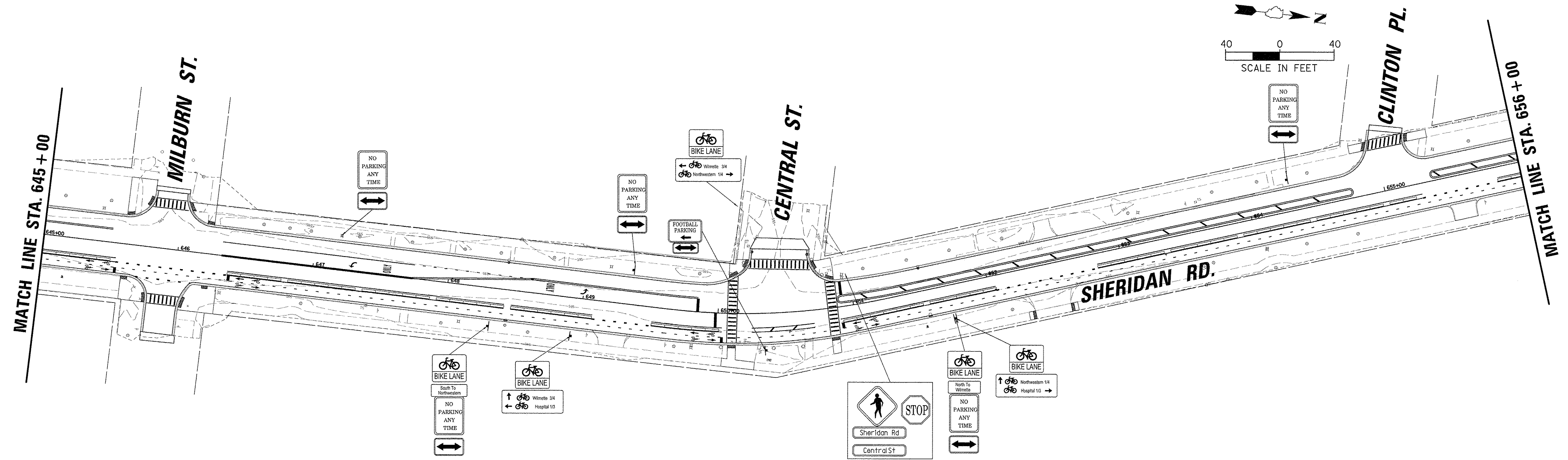
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CHICAGO AVE/SHERIDAN RD.  
PROPOSED SIGNAGE PLAN

SCALE: 1"= 40' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	133
CONTRACT NO. 61D36				
ILLINOIS FED. AID PROJECT				

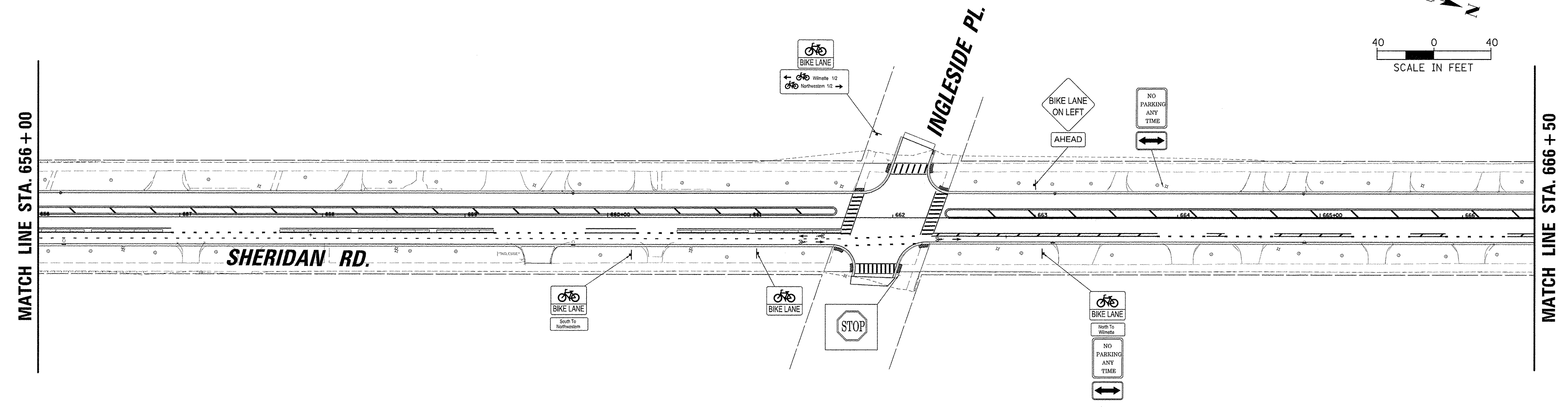




- NOTES:**
1. NEW METER PAID FOR AS TRAFFIC COUNTER POST, GALVANIZED STEET (X0327466) CONTRACTOR TO INSTALL SLEEVE, CITY TO INSTALL METER.
  2. SEE EXISTING SIGNAGE PLAN FOR RELOCATED OR SALVAGED EXISTING SIGNS.

**NOTE:**  
SEE TRAFFIC SIGNAL PLANS FOR SIGNAL RELATED SIGNS.

**LEGEND:**  
NM NEW METER



FILE NAME = N:\EVANSTON\140138.02\Civil\SGN_140138.02	USER NAME = mmichalowicz	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CHICAGO AVE/SHERIDAN RD. PROPOSED SIGNAGE PLAN</b>			F.A.U. RTE. 2853	SECTION 14-00273-00-BT	COUNTY COOK	TOTAL SHEETS 274	SHEET NO. 135
Default	PLOT SCALE = 40'	DRAWN -	REVISED -		SCALE: 1"= 40'	SHEET	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 61D36	
	PLOT DATE = 11/15/2016	CHECKED -	REVISED -								ILLINOIS FED. AID PROJECT	
		DATE -	REVISED -									

MATCH LINE STA. 666+50

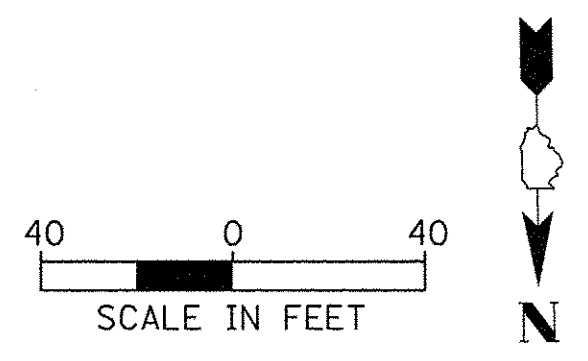
LAKESIDE CT.

EUCLID PARK PL.

SHERIDAN RD.

SHERIDAN PL.

MATCH LINE STA. 677+00



**NOTES:**

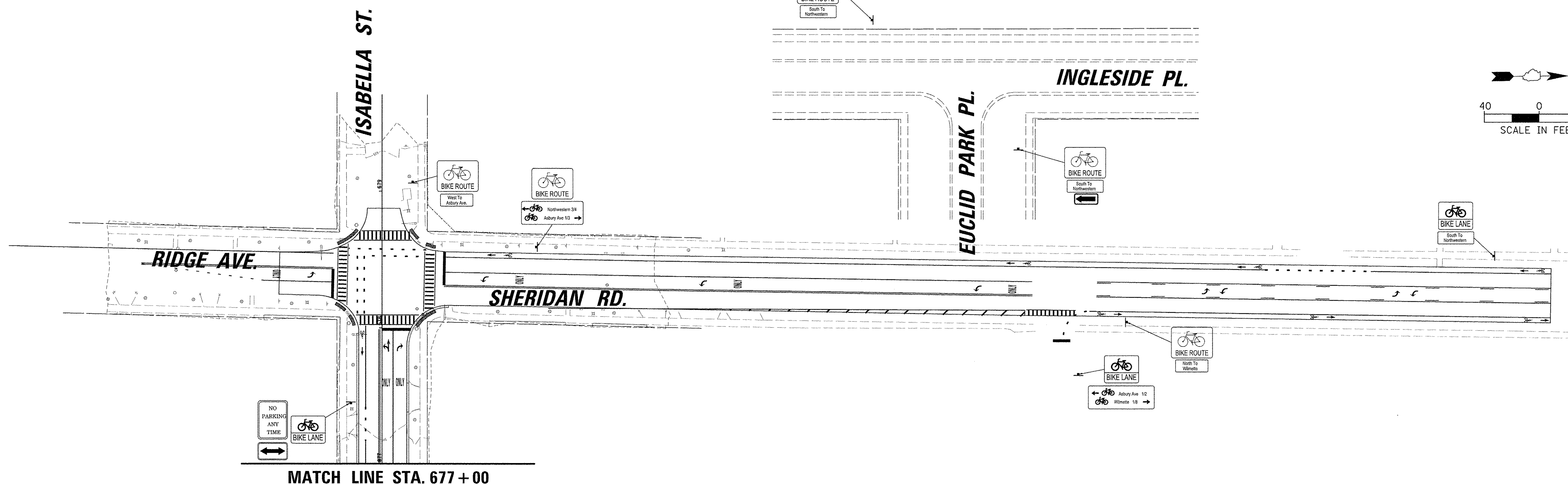
1. NEW METER PAID FOR AS TRAFFIC COUNTER POST, GALVANIZED STEEL (X0327466) CONTRACTOR TO INSTALL SLEEVE, CITY TO INSTALL METER.
2. SEE EXISTING SIGNAGE PLAN FOR RELOCATED OR SALVAGED EXISTING SIGNS.

**NOTE:**

SEE TRAFFIC SIGNAL PLANS FOR SIGNAL RELATED SIGNS.

**LEGEND:**

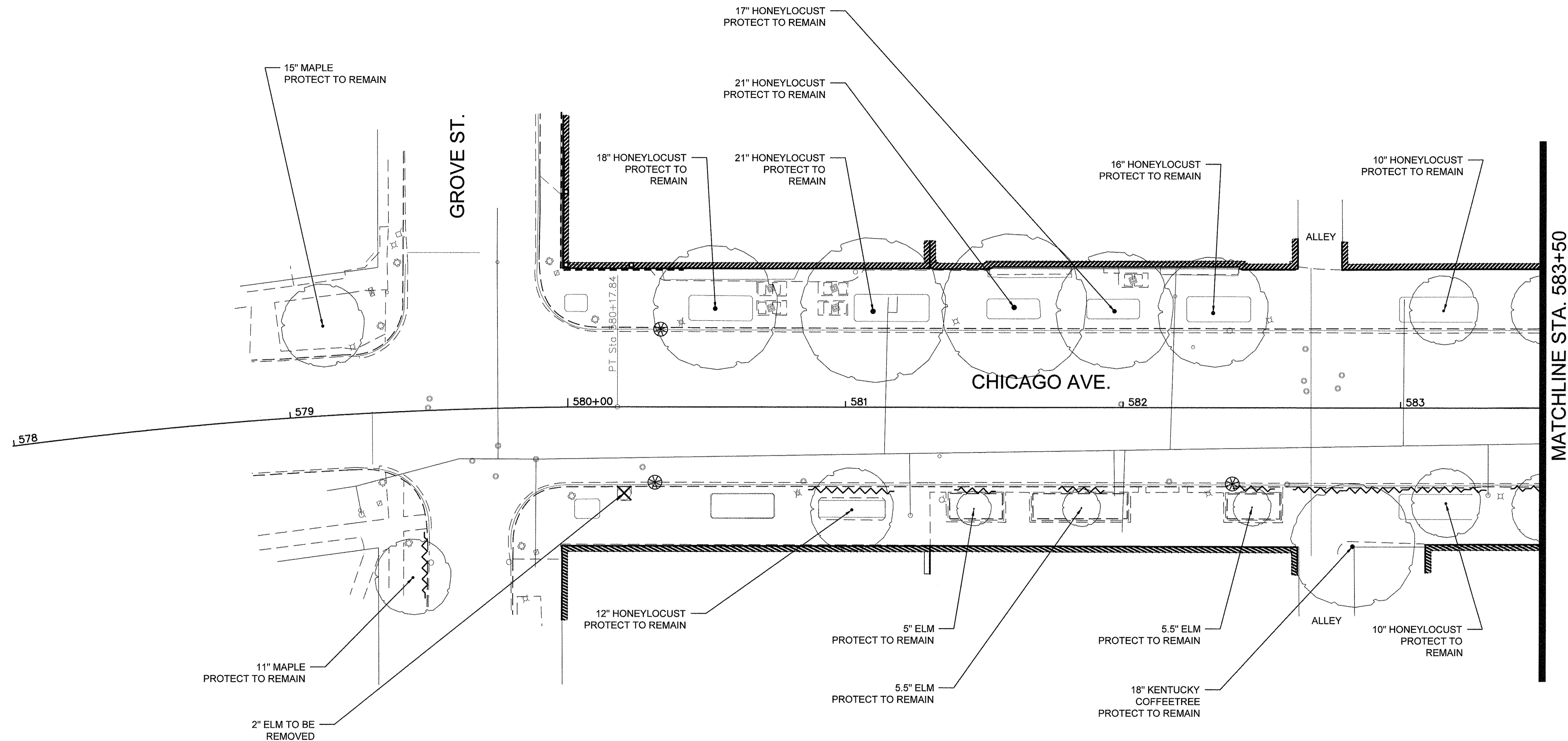
NM NEW METER



MATCH LINE STA. 677+00

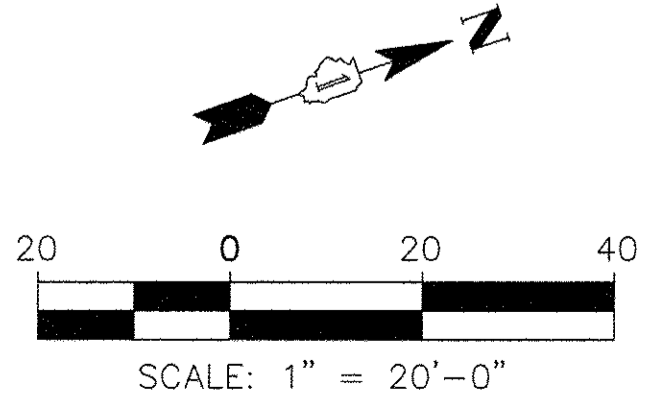
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Default	PLOT SCALE = 40'	DRAWN -	REVISED -		SCALE: 1"= 40'	SHEET	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 61D36	
	PLOT DATE = 11/15/2016	CHECKED -	REVISED -								ILLINOIS FED. AID PROJECT	
		DATE -	REVISED -									

NOTE:  
 1. ALL ROOT PRUNING SHALL BE PERFORMED AT DIRECTION OF A CERTIFIED ARBORIST.



**LEGEND**

- EXISTING DECIDUOUS TREE PROTECT - TO REMAIN
  - EXISTING DECIDUOUS TREE TO BE REMOVED
  - RELOCATED TREES
  - ROOT PRUNING AREAS
  - INLET FILTERS
- SEE TREE PROTECTION DETAILS FOR MORE INFO ON PROTECTING EXISTING TREES



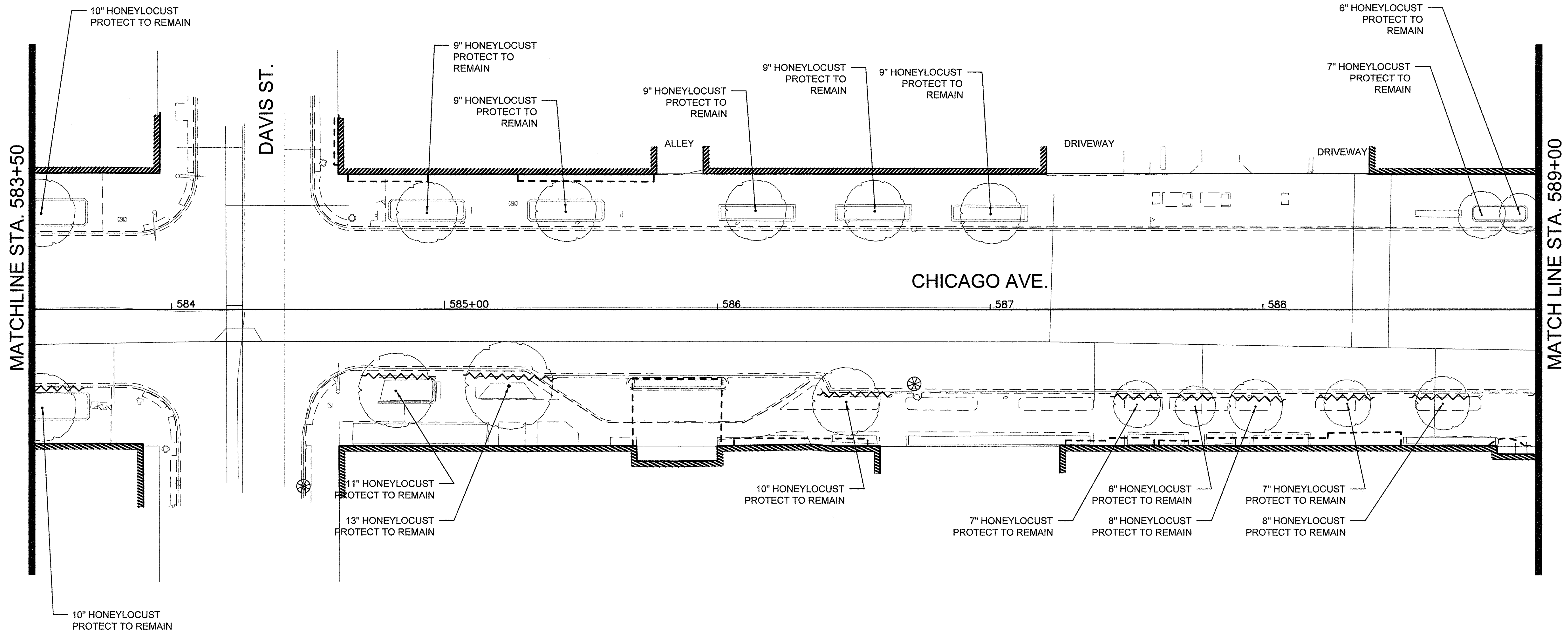
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		DRAWN --	REVISED --
DEFAULT		CHECKED --	REVISED --
		DATE 10/17/2016	REVISED --

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CHICAGO AVE./ SHERIDAN RD.  
 TREE PRESERVATION AND REMOVAL PLAN**

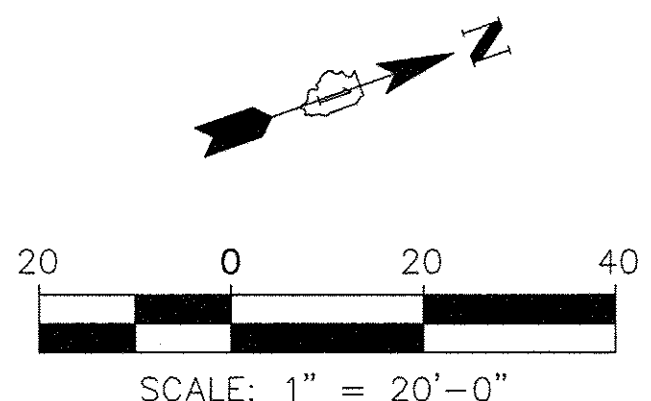
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	137
CONTRACT NO. 61D36			ILLINOIS FED. AID PROJECT	

NOTE:  
 1. ALL ROOT PRUNING SHALL BE PERFORMED AT DIRECTION OF A CERTIFIED ARBORIST.



**LEGEND**

- EXISTING DECIDUOUS TREE PROTECT - TO REMAIN
  - EXISTING DECIDUOUS TREE TO BE REMOVED
  - RELOCATED TREES
  - ROOT PRUNING AREAS
  - INLET FILTERS
- SEE TREE PROTECTION DETAILS FOR MORE INFO ON PROTECTING EXISTING TREES



FILE NAME	USER NAME	DESIGNED	REVISED
		DRAWN	REVISED
		CHECKED	REVISED
		DATE	REVISED
		10/17/2016	

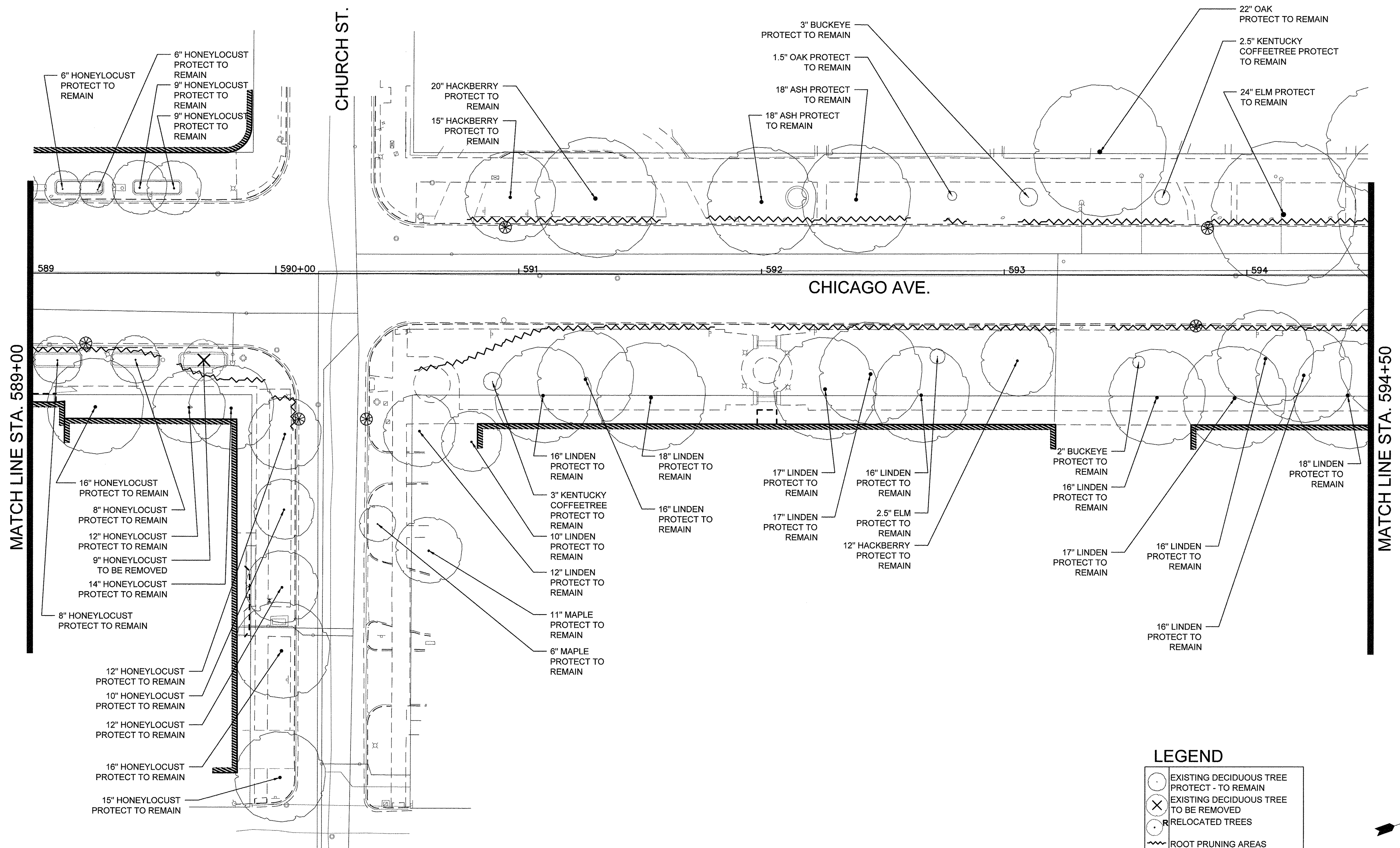
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CHICAGO AVE./ SHERIDAN RD.  
 TREE PRESERVATION AND REMOVAL PLAN**

SCALE: 1"=20'-0" SHEET 2 OF 19 SHEETS STA. TO STA.

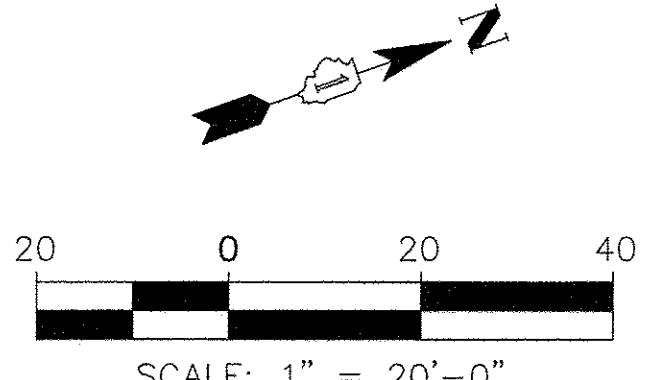
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	138
CONTRACT NO. 61D36				

NOTE:  
 1. ALL ROOT PRUNING SHALL BE PERFORMED AT DIRECTION OF A CERTIFIED ARBORIST.



**LEGEND**

- EXISTING DECIDUOUS TREE PROTECT - TO REMAIN
  - EXISTING DECIDUOUS TREE TO BE REMOVED
  - RELOCATED TREES
  - ROOT PRUNING AREAS
  - INLET FILTERS
- SEE TREE PROTECTION DETAILS FOR MORE INFO ON PROTECTING EXISTING TREES



FILE NAME =	USER NAME =	DESIGNED --	REVISED --
DEFAULT		DRAWN --	REVISED --
	PLOT SCALE =	CHECKED --	REVISED --
	PLOT DATE =	DATE 10/17/2016	REVISED --

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

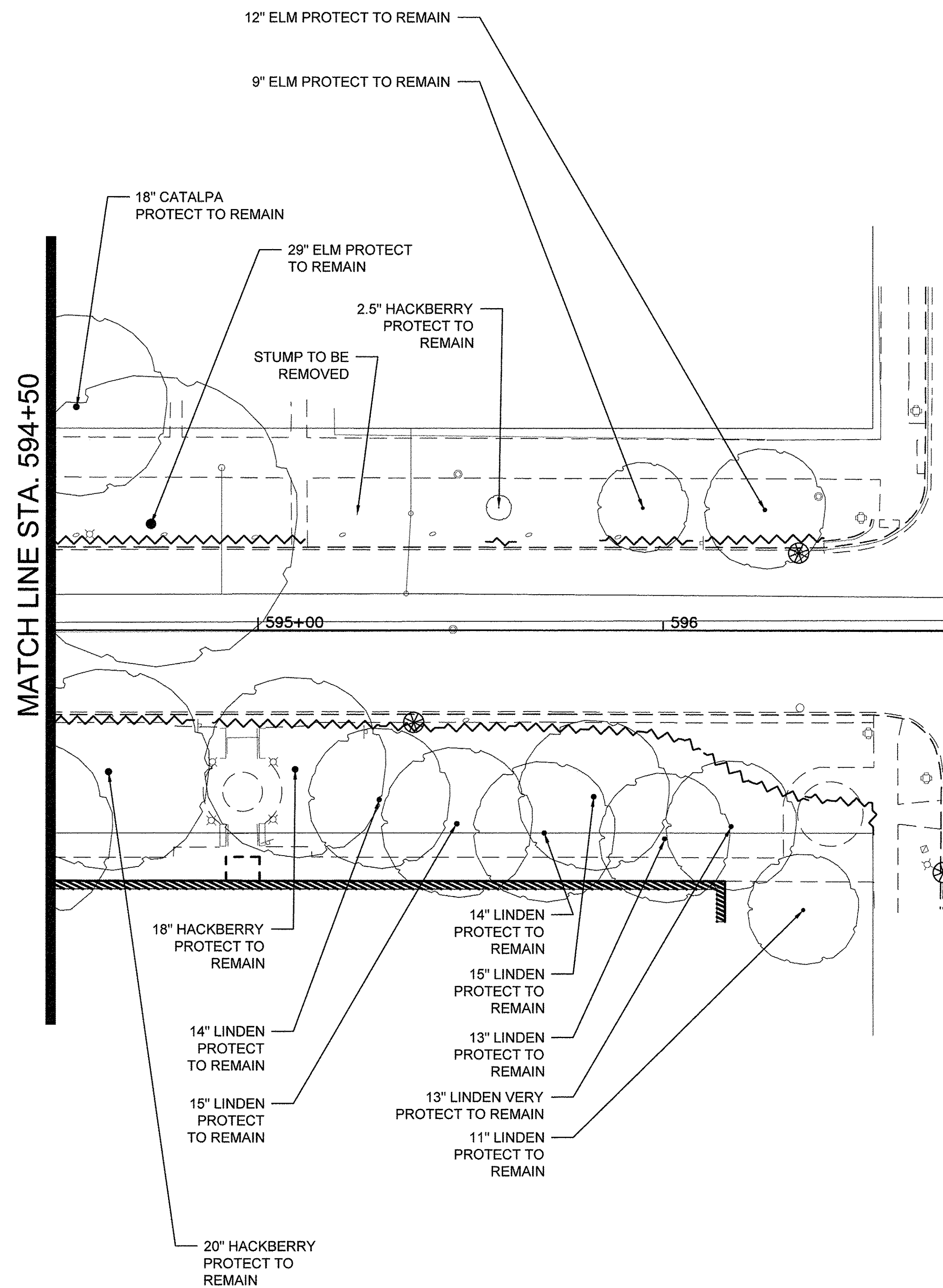
**CHICAGO AVE./ SHERIDAN RD.  
 TREE PRESERVATION AND REMOVAL PLAN**

SCALE: 1"=20'-0" SHEET 3 OF 19 SHEETS STA. TO STA.

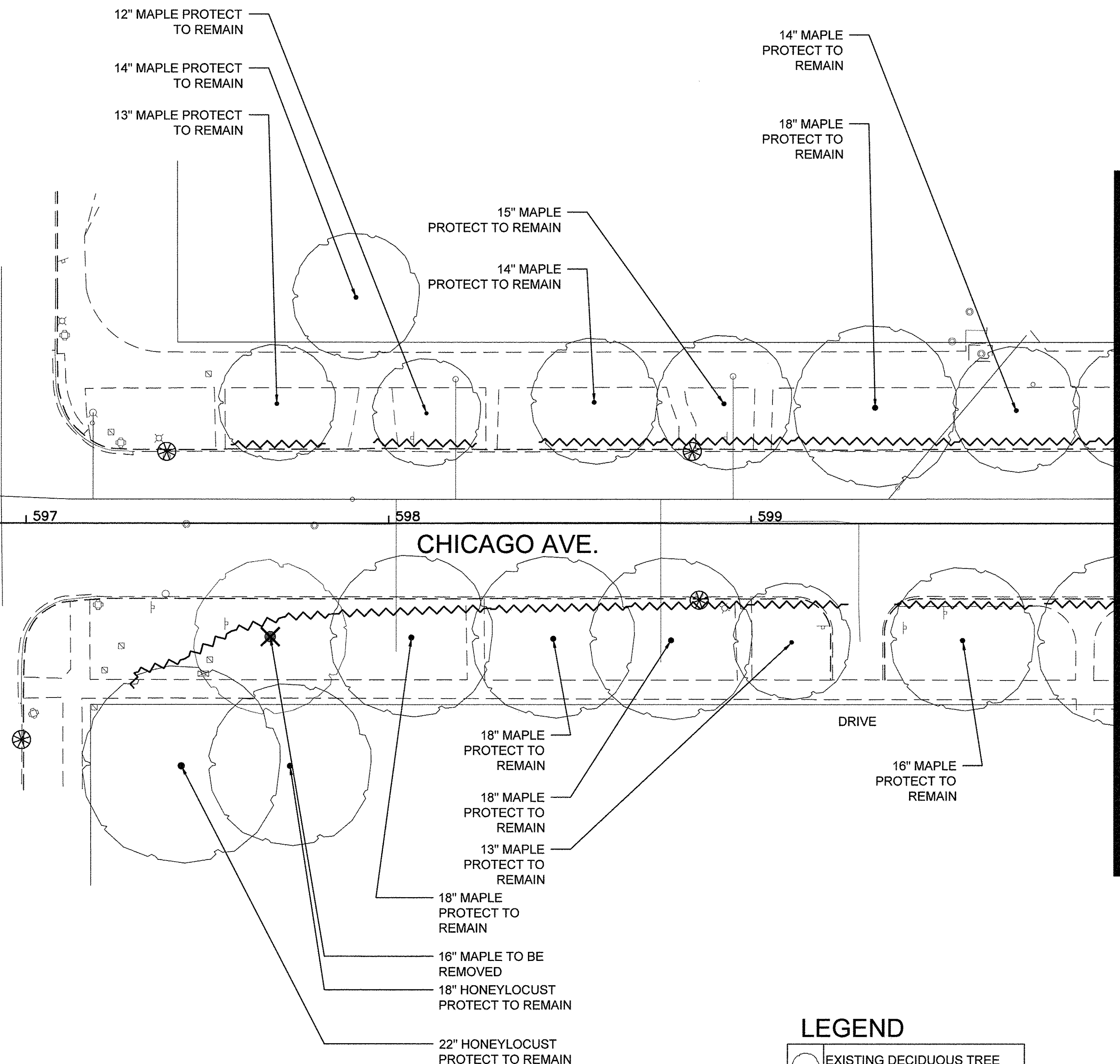
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	139
CONTRACT NO. 61D36			ILLINOIS FED. AID PROJECT	

Long Section Number Multiple County Names

NOTE:  
1. ALL ROOT PRUNING SHALL BE PERFORMED AT DIRECTION OF A CERTIFIED ARBORIST.

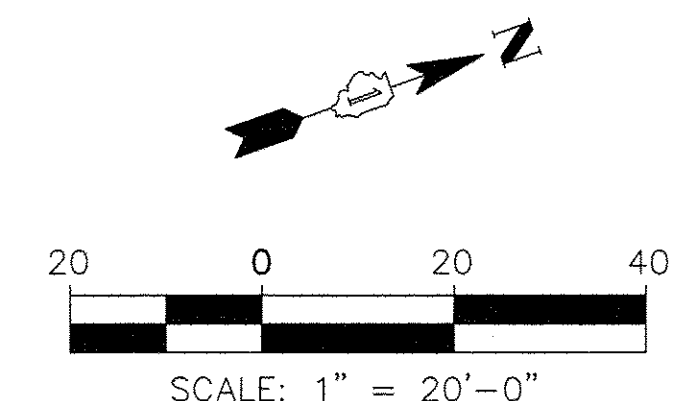


CLARK ST.



**LEGEND**

- EXISTING DECIDUOUS TREE PROTECT - TO REMAIN
  - EXISTING DECIDUOUS TREE TO BE REMOVED
  - RELOCATED TREES
  - ROOT PRUNING AREAS
  - INLET FILTERS
- SEE TREE PROTECTION DETAILS FOR MORE INFO ON PROTECTING EXISTING TREES



FILE NAME	USER NAME	DESIGNED	REVISED
DEFAULT		DRAWN	REVISED
		CHECKED	REVISED
		DATE	REVISED
		10/17/2016	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CHICAGO AVE./ SHERIDAN RD.  
TREE PRESERVATION AND REMOVAL PLAN**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	140
CONTRACT NO. 61D36				

SCALE: 1"=20'-0" SHEET 4 OF 19 SHEETS STA. TO STA.

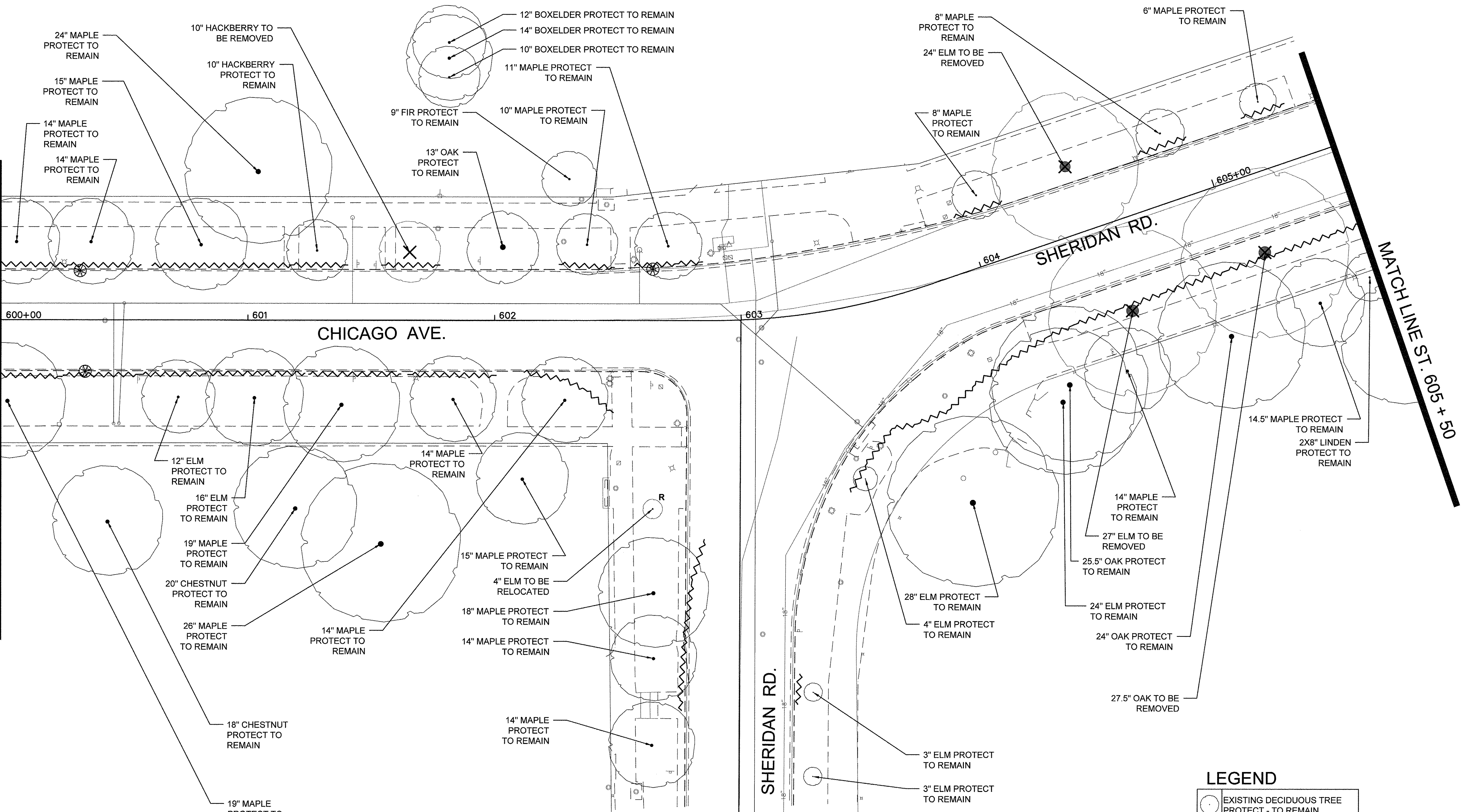
Long Section Number Multiple County Names



NOTE:  
 1. ALL ROOT PRUNING SHALL BE PERFORMED AT DIRECTION OF A CERTIFIED ARBORIST.

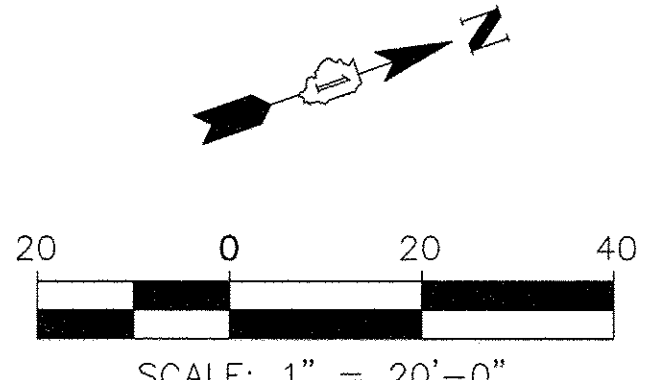
MATCH LINE STA. 600+00

MATCH LINE ST. 605+50



**LEGEND**

- EXISTING DECIDUOUS TREE PROTECT - TO REMAIN
  - EXISTING DECIDUOUS TREE TO BE REMOVED
  - RELOCATED TREES
  - ROOT PRUNING AREAS
  - INLET FILTERS
- SEE TREE PROTECTION DETAILS FOR MORE INFO ON PROTECTING EXISTING TREES



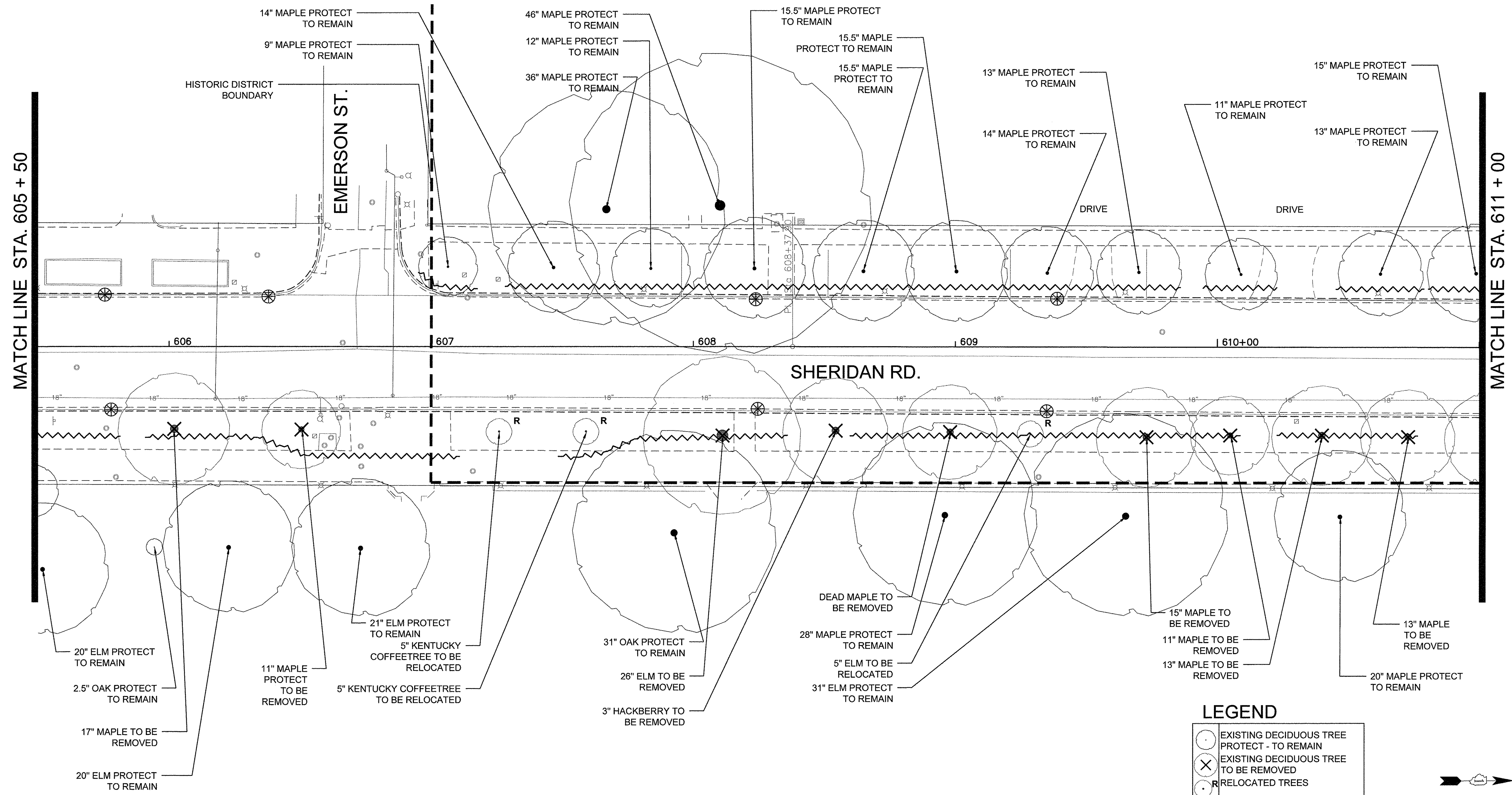
FILE NAME	USER NAME	DESIGNED	REVISED
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		CHECKED	REVISED
		DATE	REVISED

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CHICAGO AVE./ SHERIDAN RD.  
 TREE PRESERVATION AND REMOVAL PLAN**

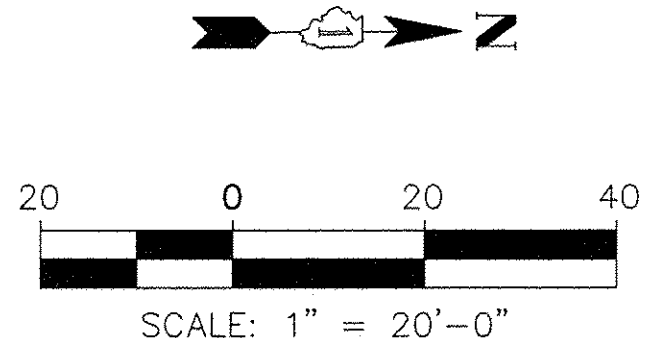
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	141
CONTRACT NO.			61D36	

NOTE:  
 1. ALL ROOT PRUNING SHALL BE PERFORMED AT DIRECTION OF A CERTIFIED ARBORIST.



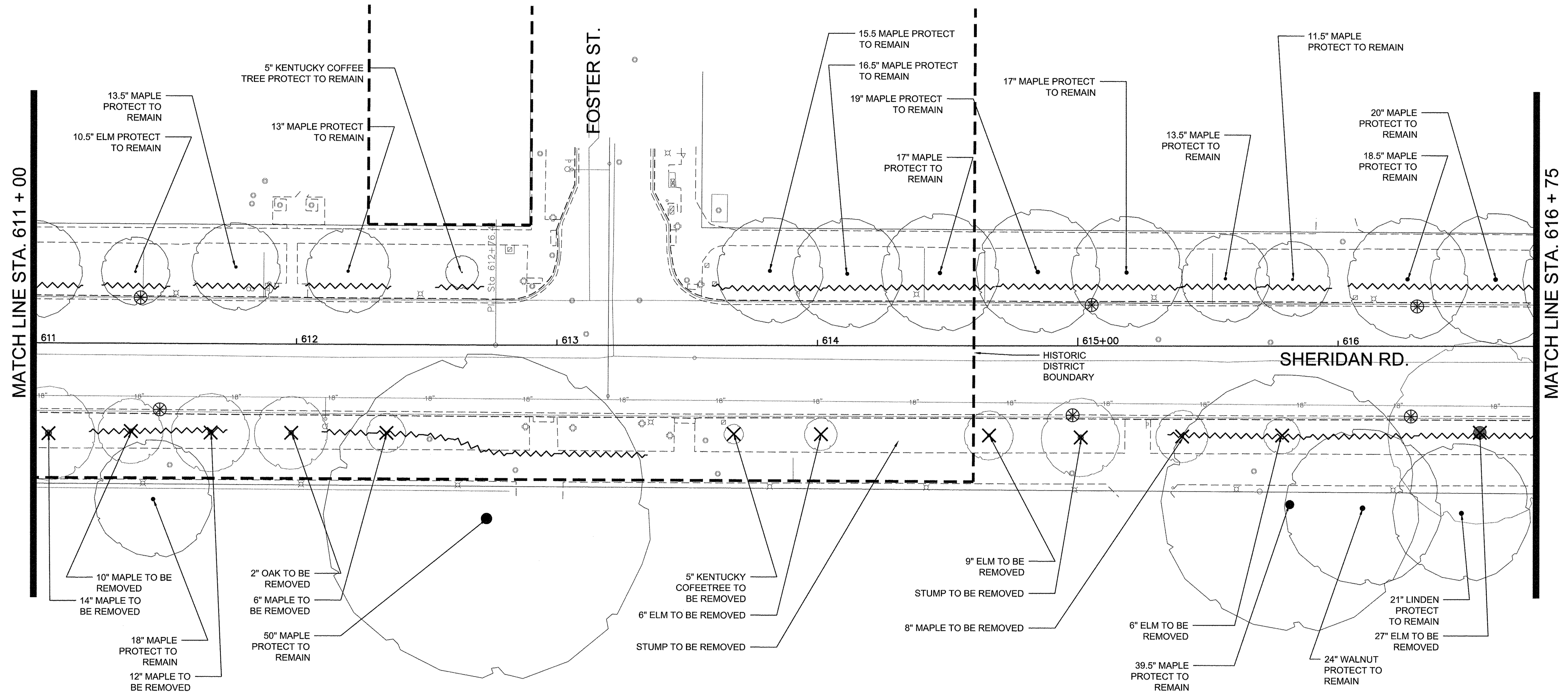
**LEGEND**

- EXISTING DECIDUOUS TREE PROTECT - TO REMAIN
  - EXISTING DECIDUOUS TREE TO BE REMOVED
  - RELOCATED TREES
  - ROOT PRUNING AREAS
  - INLET FILTERS
- SEE TREE PROTECTION DETAILS FOR MORE INFO ON PROTECTING EXISTING TREES



FILE NAME -	USER NAME -	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CHICAGO AVE./ SHERIDAN RD. TREE PRESERVATION AND REMOVAL PLAN</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DESIGNED -	REVISED -	2853			14-00273-00-BT	COOK	274	142	
DEFAULT	PLOT SCALE =	CHECKED -	REVISED -	SCALE: 1"=20'-0" SHEET 6 OF 19 SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 61D36		
	PLOT DATE =	DATE 10/17/2016	REVISED -			Long Section Number		Multiple County Names		

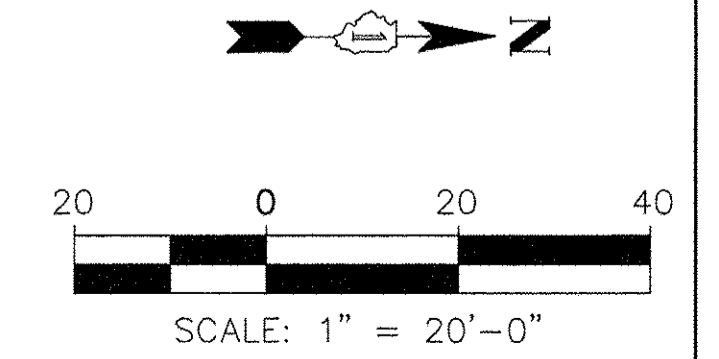
NOTE:  
 1. ALL ROOT PRUNING SHALL BE PERFORMED AT DIRECTION OF A CERTIFIED ARBORIST.



**LEGEND**

- EXISTING DECIDUOUS TREE PROTECT - TO REMAIN
- EXISTING DECIDUOUS TREE TO BE REMOVED
- RELOCATED TREES
- ROOT PRUNING AREAS
- INLET FILTERS

SEE TREE PROTECTION DETAILS FOR MORE INFO ON PROTECTING EXISTING TREES



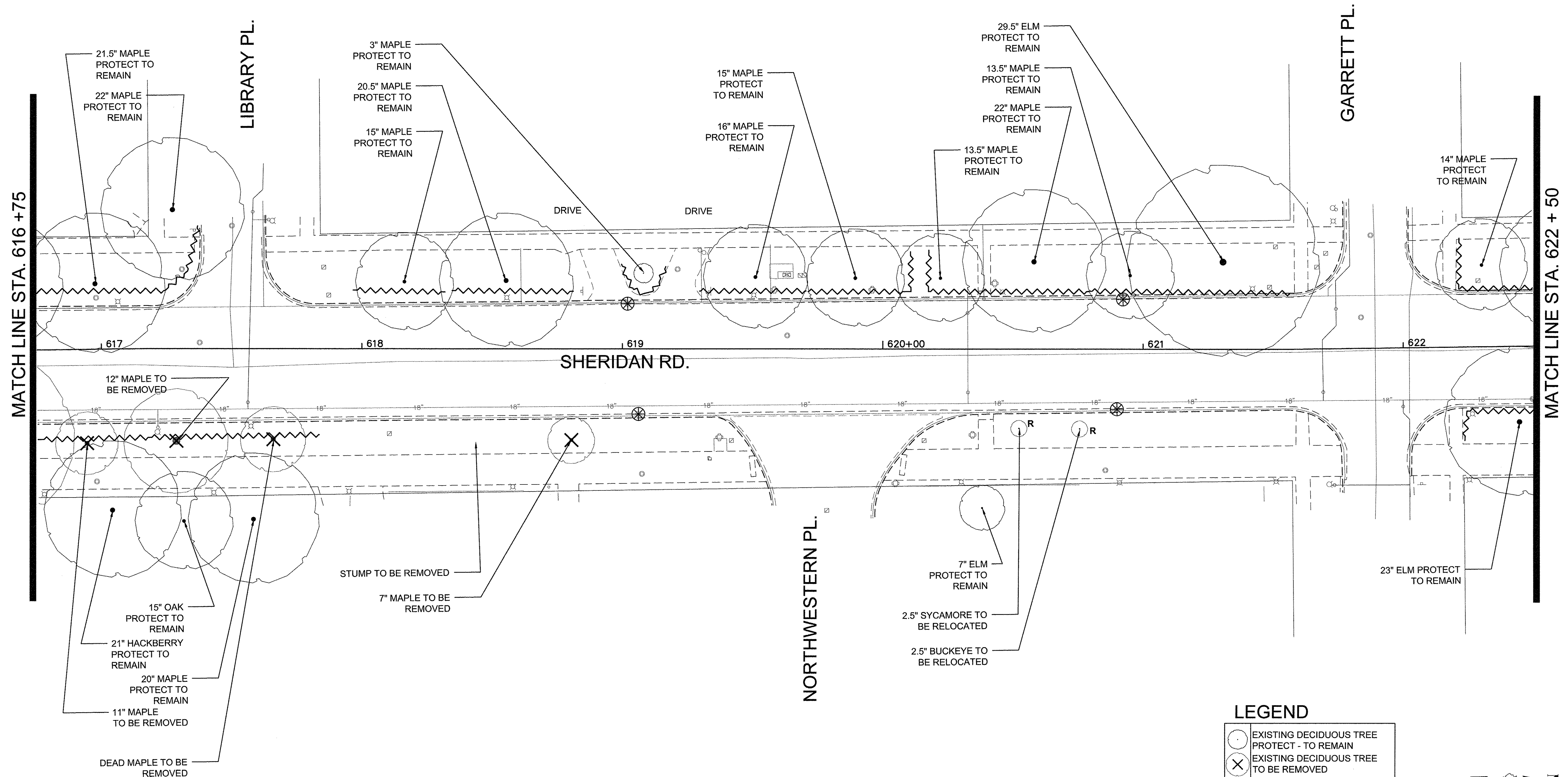
FILE NAME	USER NAME	DESIGNED	REVISED
		DRAWN	REVISED
		CHECKED	REVISED
		DATE	REVISED
		10/17/2016	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CHICAGO AVE./ SHERIDAN RD.  
 TREE PRESERVATION AND REMOVAL PLAN**

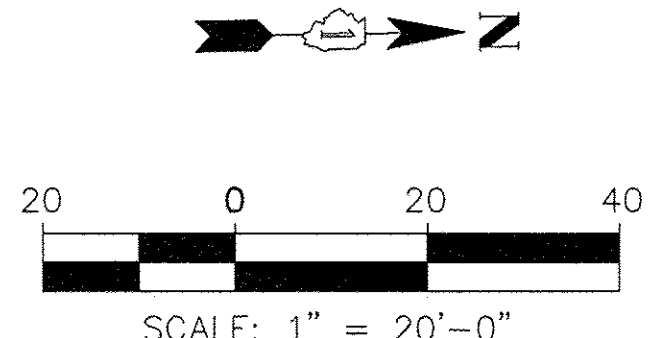
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	143
CONTRACT NO. 61D36				

NOTE:  
 1. ALL ROOT PRUNING SHALL BE PERFORMED AT DIRECTION OF A CERTIFIED ARBORIST.



**LEGEND**

- EXISTING DECIDUOUS TREE PROTECT - TO REMAIN
  - EXISTING DECIDUOUS TREE TO BE REMOVED
  - RELOCATED TREES
  - ROOT PRUNING AREAS
  - INLET FILTERS
- SEE TREE PROTECTION DETAILS FOR MORE INFO ON PROTECTING EXISTING TREES



FILE NAME	USER NAME	DESIGNED	REVISED
		DRAWN	REVISED
DEFAULT	PLOT SCALE	CHECKED	REVISED
	PLOT DATE	DATE 10/17/2016	REVISED

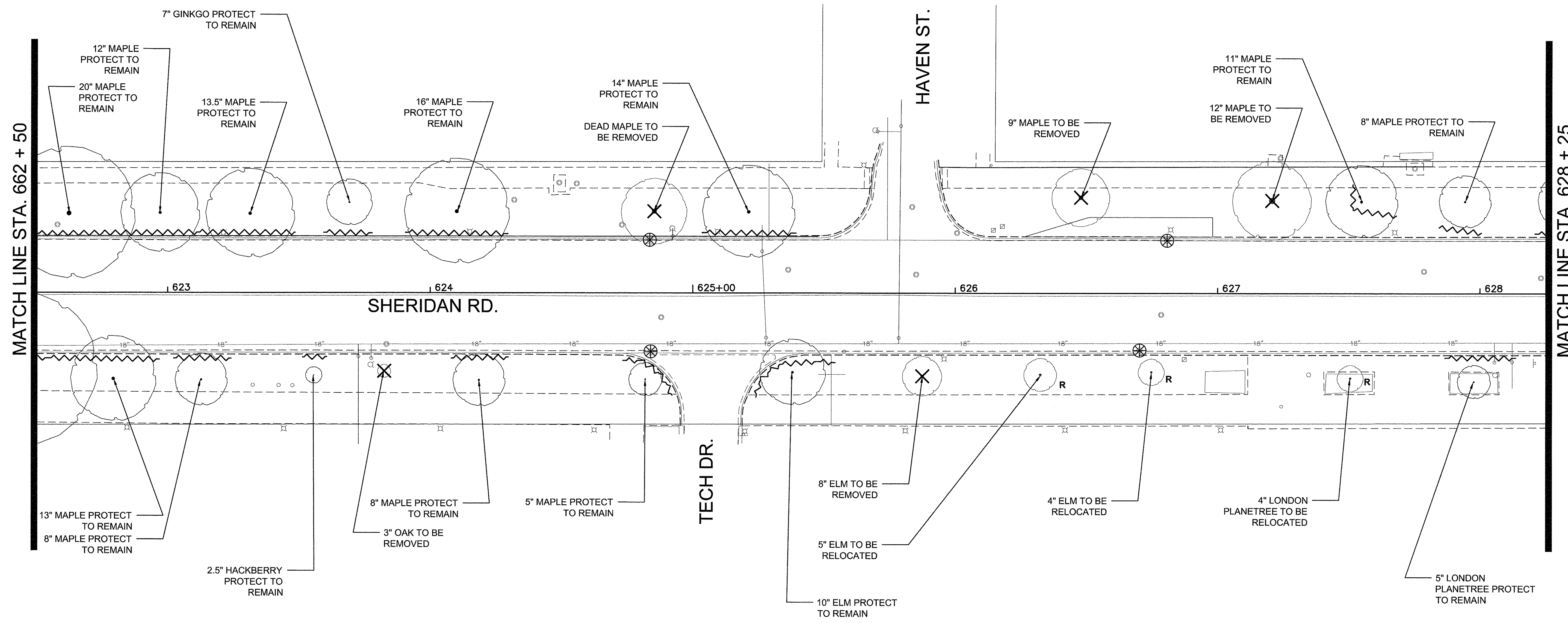
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CHICAGO AVE./ SHERIDAN RD.  
 TREE PRESERVATION AND REMOVAL PLAN**

SCALE: 1"=20'-0" SHEET 8 OF 19 SHEETS STA. TO STA.

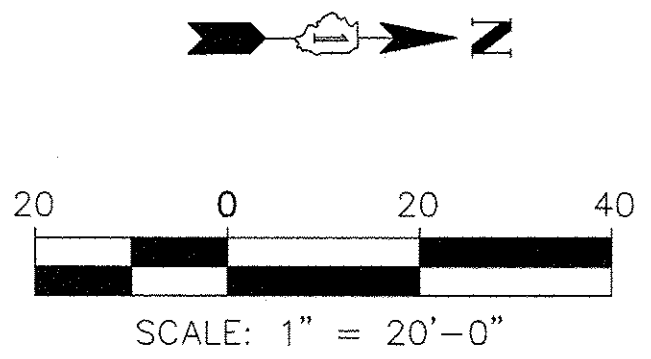
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	144
CONTRACT NO. 61D36				

NOTE:  
 1. ALL ROOT PRUNING SHALL BE PERFORMED AT DIRECTION OF A CERTIFIED ARBORIST.



**LEGEND**

- EXISTING DECIDUOUS TREE PROTECT - TO REMAIN
  - EXISTING DECIDUOUS TREE TO BE REMOVED
  - RELOCATED TREES
  - ROOT PRUNING AREAS
  - INLET FILTERS
- SEE TREE PROTECTION DETAILS FOR MORE INFO ON PROTECTING EXISTING TREES



FILE NAME =	USER NAME =	DESIGNED --	REVISED --
DEFAULT		DRAWN --	REVISED --
	PLOT SCALE =	CHECKED --	REVISED --
	PLOT DATE =	DATE 10/17/2016	REVISED --

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

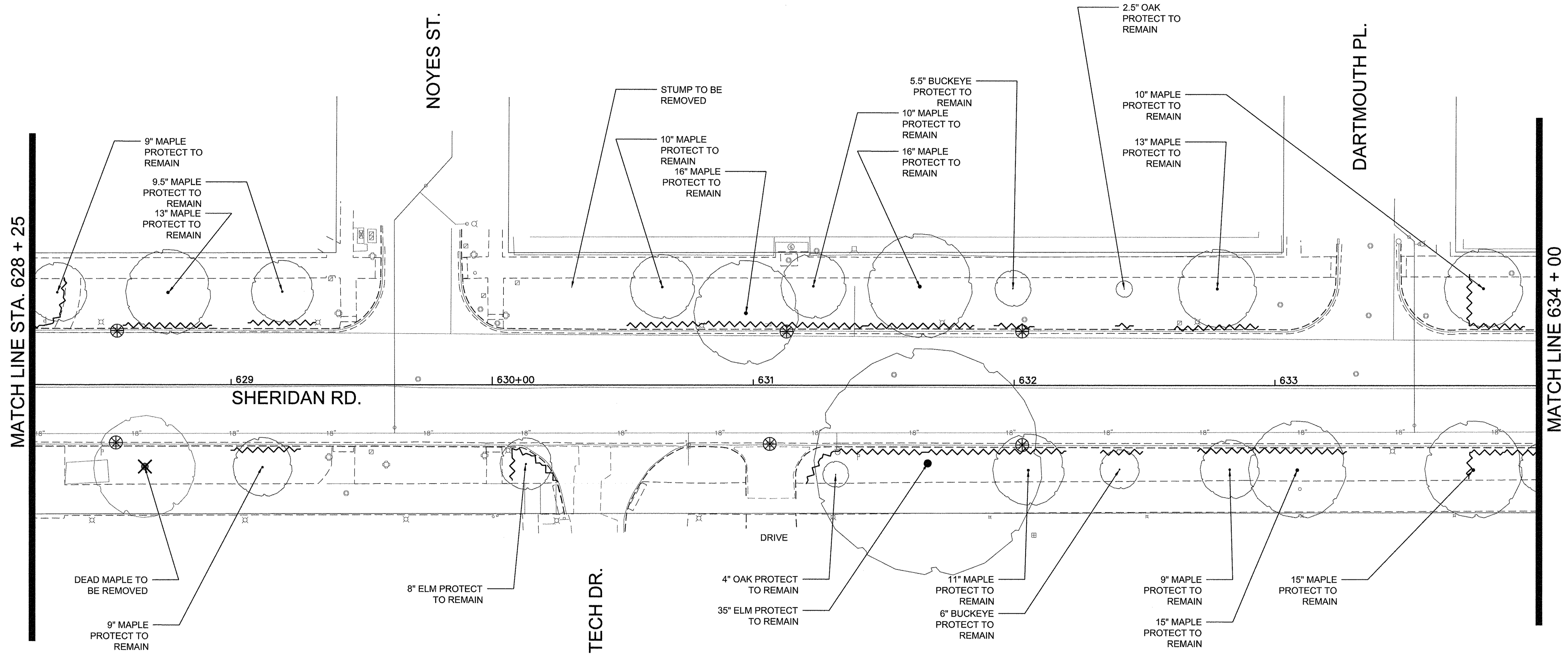
**CHICAGO AVE/ SHERIDAN RD.  
 TREE PRESERVATION AND REMOVAL PLAN**

SCALE: 1"=20'-0" SHEET 9 OF 19 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	145
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D36	

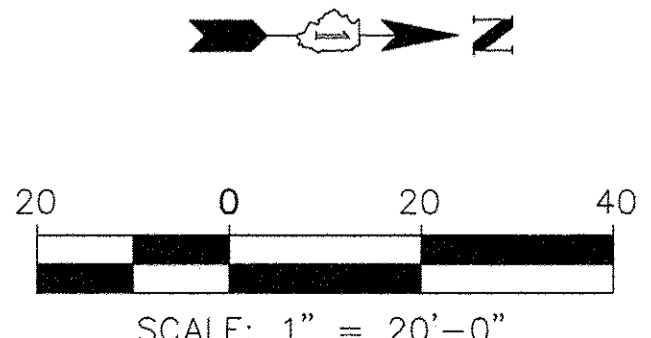
Long Section Number Multiple County Names

NOTE:  
 1. ALL ROOT PRUNING SHALL BE PERFORMED AT DIRECTION OF A CERTIFIED ARBORIST.



**LEGEND**

- EXISTING DECIDUOUS TREE PROTECT - TO REMAIN
  - EXISTING DECIDUOUS TREE TO BE REMOVED
  - RELOCATED TREES
  - ROOT PRUNING AREAS
  - INLET FILTERS
- SEE TREE PROTECTION DETAILS FOR MORE INFO ON PROTECTING EXISTING TREES



FILE NAME	USER NAME	DESIGNED	REVISED
DEFAULT		DRAWN	REVISED
	PLOT SCALE	CHECKED	REVISED
	PLOT DATE	DATE	REVISED
		10/17/2016	

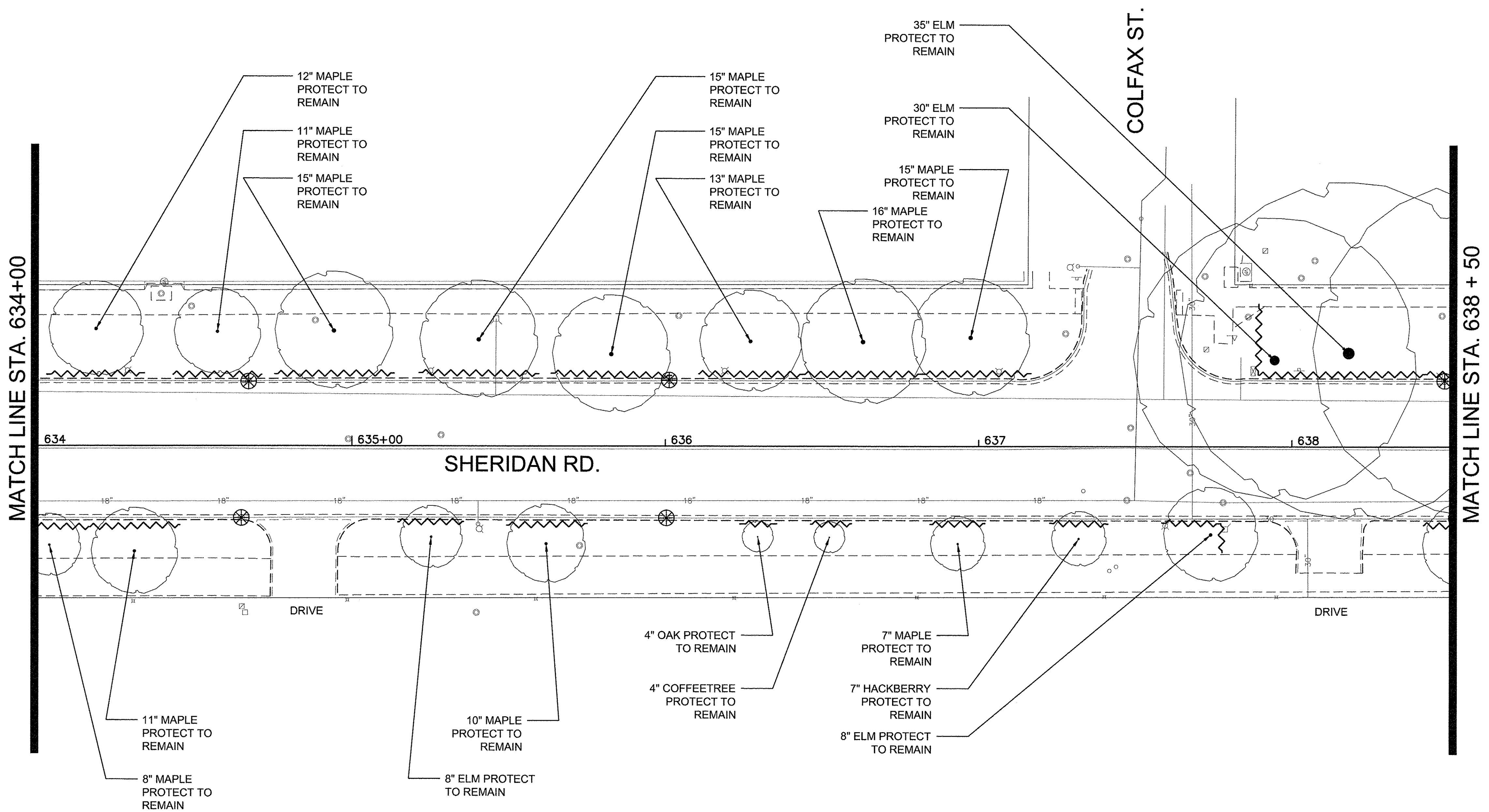
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CHICAGO AVE/ SHERIDAN RD.  
 TREE PRESERVATION AND REMOVAL PLAN**

SCALE: 1"=20'-0" SHEET 10 OF 19 SHEETS STA. TO STA.

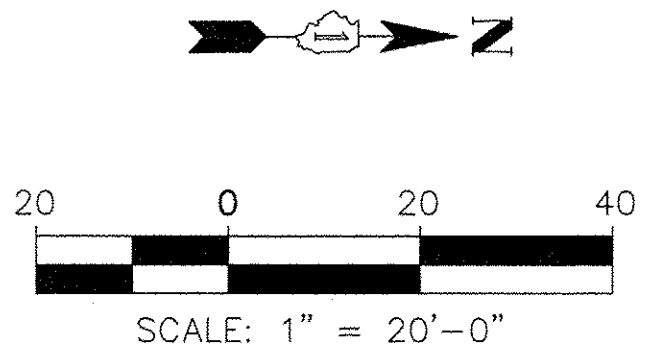
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	146
CONTRACT NO. 61D36				

NOTE:  
 1. ALL ROOT PRUNING SHALL BE PERFORMED AT DIRECTION OF A CERTIFIED ARBORIST.



**LEGEND**

- EXISTING DECIDUOUS TREE PROTECT - TO REMAIN
  - EXISTING DECIDUOUS TREE TO BE REMOVED
  - RELOCATED TREES
  - ROOT PRUNING AREAS
  - INLET FILTERS
- SEE TREE PROTECTION DETAILS FOR MORE INFO ON PROTECTING EXISTING TREES



FILE NAME =	USER NAME =	DESIGNED --	REVISED --
		DRAWN --	REVISED --
DEFAULT	PLOT SCALE =	CHECKED --	REVISED --
	PLOT DATE =	DATE 10/17/2016	REVISED --

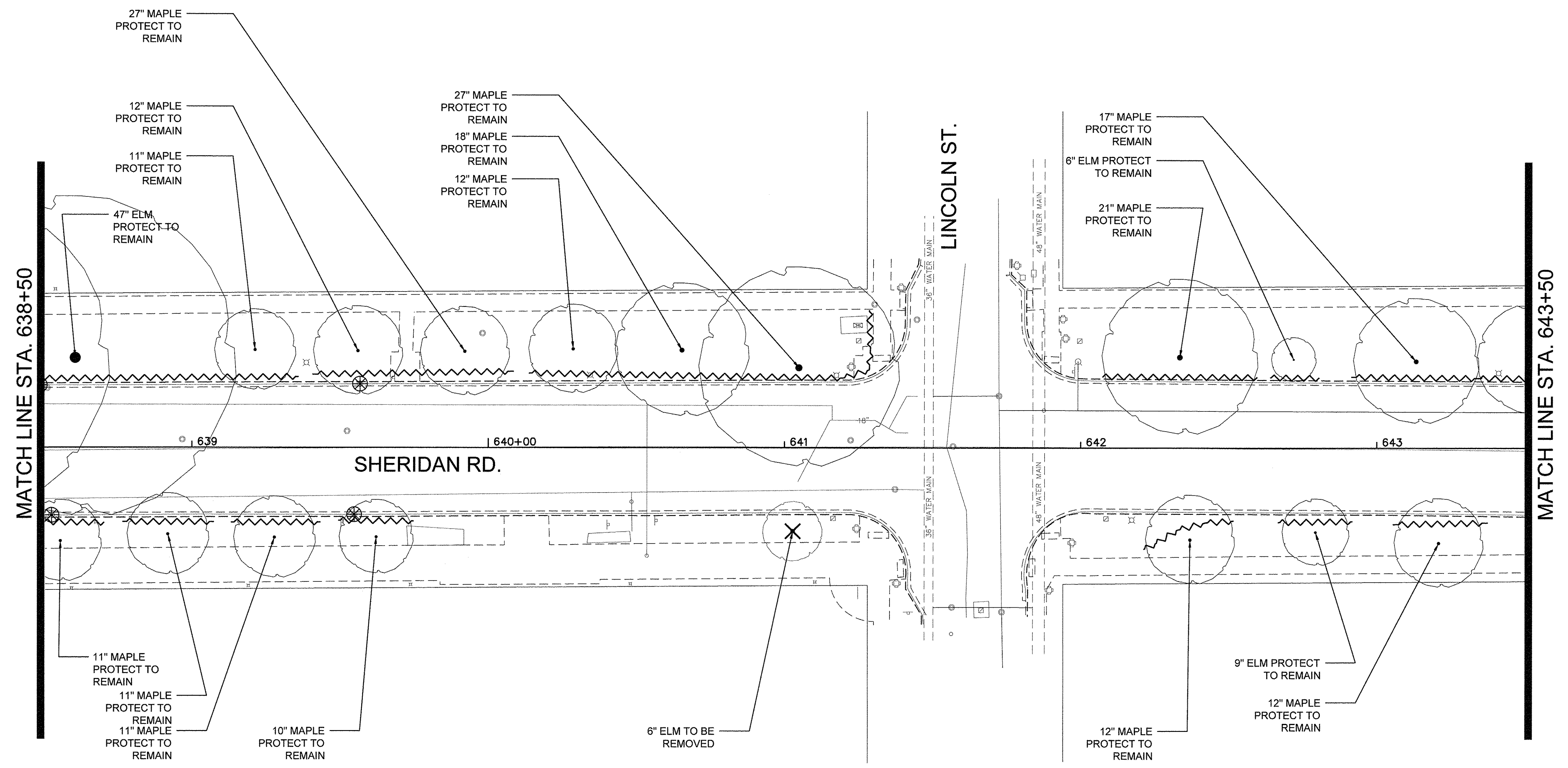
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CHICAGO AVE/ SHERIDAN RD.  
 TREE PRESERVATION AND REMOVAL PLAN**

SCALE: 1"=20'-0" SHEET 11 OF 19 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	147
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D36	

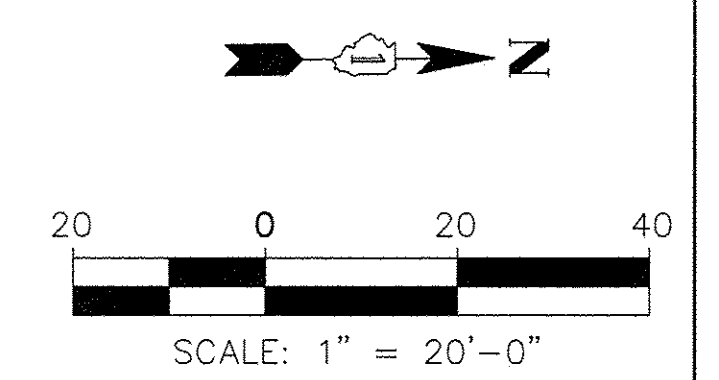
NOTE:  
 1. ALL ROOT PRUNING SHALL BE PERFORMED AT DIRECTION OF A CERTIFIED ARBORIST.



**LEGEND**

- EXISTING DECIDUOUS TREE PROTECT - TO REMAIN
- EXISTING DECIDUOUS TREE TO BE REMOVED
- RELOCATED TREES
- ROOT PRUNING AREAS
- INLET FILTERS

SEE TREE PROTECTION DETAILS FOR MORE INFO ON PROTECTING EXISTING TREES



FILE NAME =	USER NAME =	DESIGNED --	REVISED --
		DRAWN --	REVISED --
DEFAULT	PLOT SCALE =	CHECKED --	REVISED --
	PLOT DATE =	DATE 10/17/2016	REVISED --

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CHICAGO AVE./ SHERIDAN RD.  
 TREE PRESERVATION AND REMOVAL PLAN**

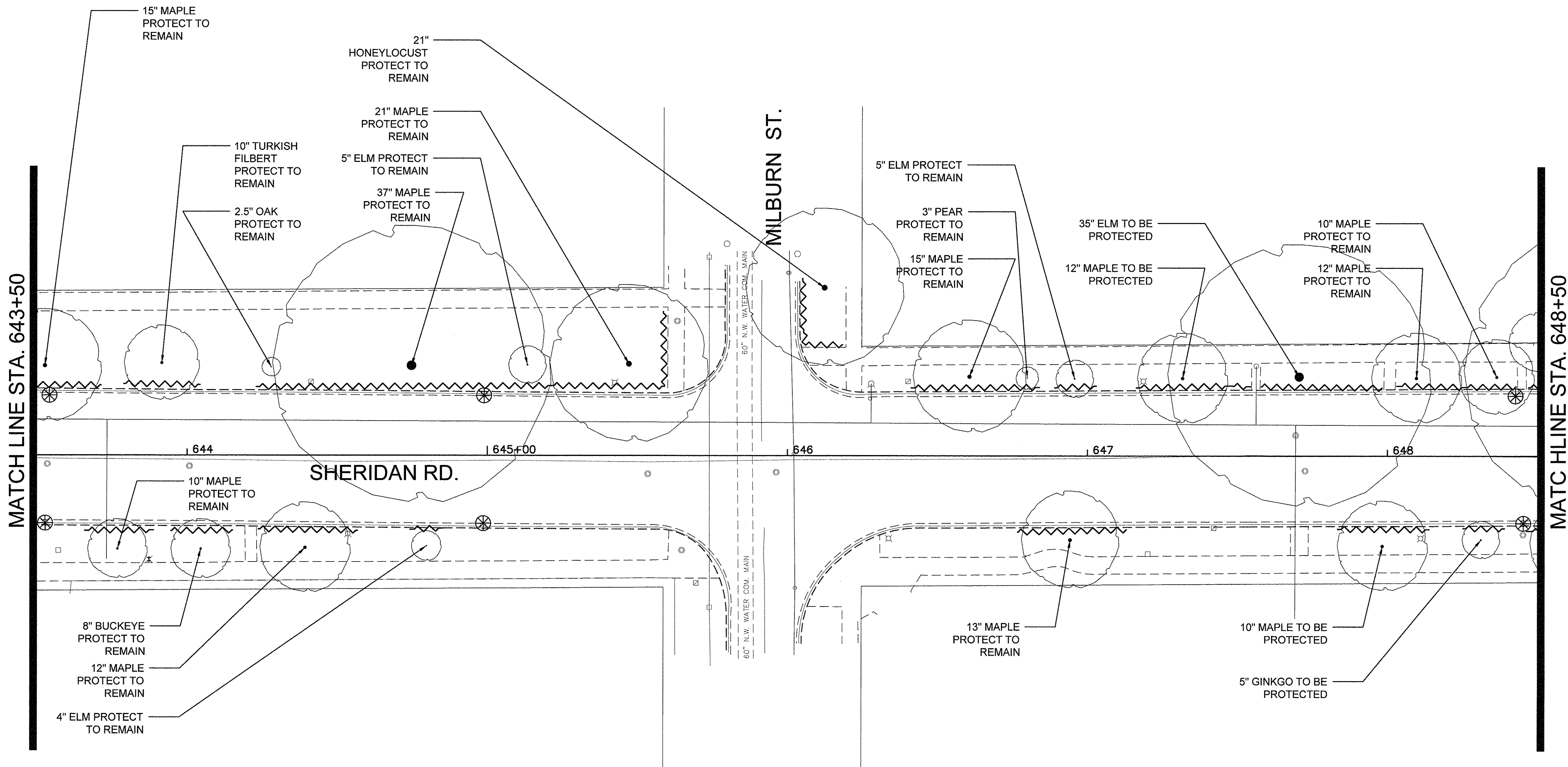
SCALE: 1" = 20'-0" SHEET 12 OF 19 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	148
CONTRACT NO. 61D36				
ILLINOIS FED. AID PROJECT				

Long Section Number Multiple County Names

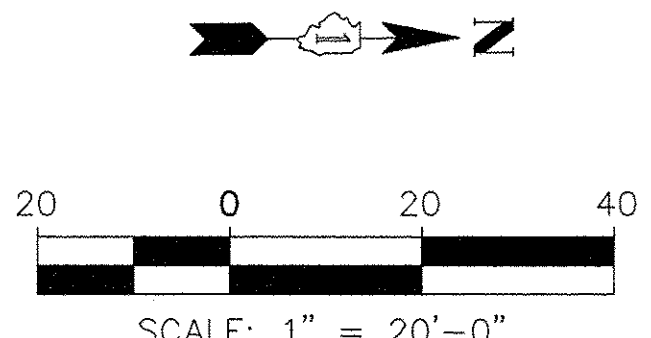


NOTE:  
 1. ALL ROOT PRUNING SHALL BE PERFORMED AT DIRECTION OF A CERTIFIED ARBORIST.



**LEGEND**

- EXISTING DECIDUOUS TREE PROTECT - TO REMAIN
  - EXISTING DECIDUOUS TREE TO BE REMOVED
  - RELOCATED TREES
  - ROOT PRUNING AREAS
  - INLET FILTERS
- SEE TREE PROTECTION DETAILS FOR MORE INFO ON PROTECTING EXISTING TREES



FILE NAME	USER NAME	DESIGNED	REVISED
		DRAWN	REVISED
DEFAULT	PLOT SCALE	CHECKED	REVISED
	PLOT DATE	DATE	REVISED
		10/17/2016	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

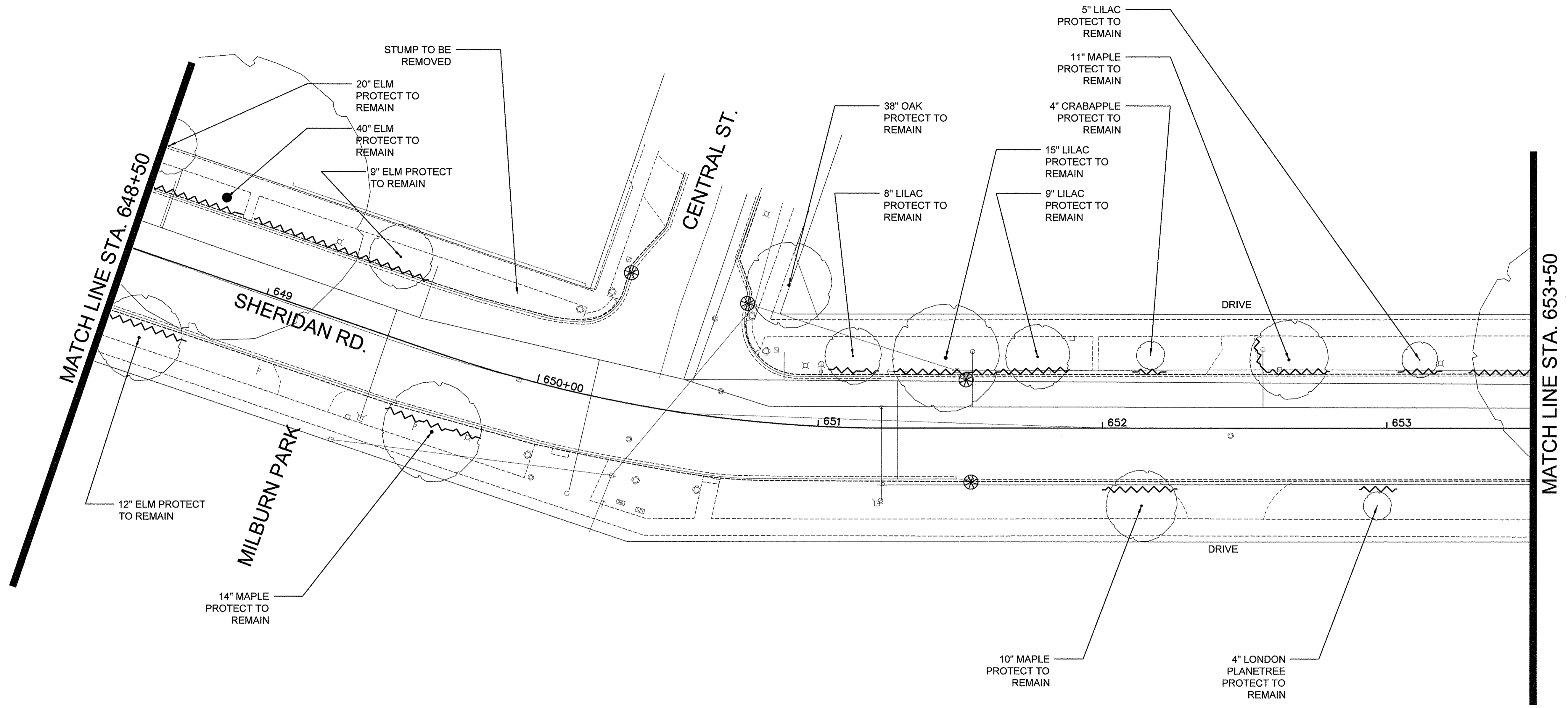
**CHICAGO AVE./ SHERIDAN RD.  
 TREE PRESERVATION AND REMOVAL PLAN**

SCALE: 1" = 20'-0" SHEET 13 OF 19 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	149
CONTRACT NO.			61D36	

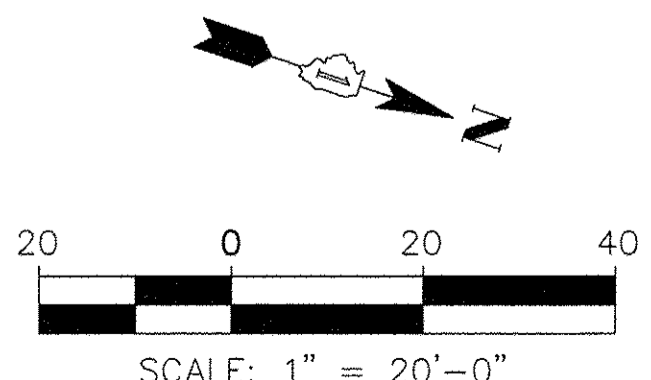
Long Section Number Multiple County Names

NOTE:  
 1. ALL ROOT PRUNING SHALL BE PERFORMED AT DIRECTION OF A CERTIFIED ARBORIST.



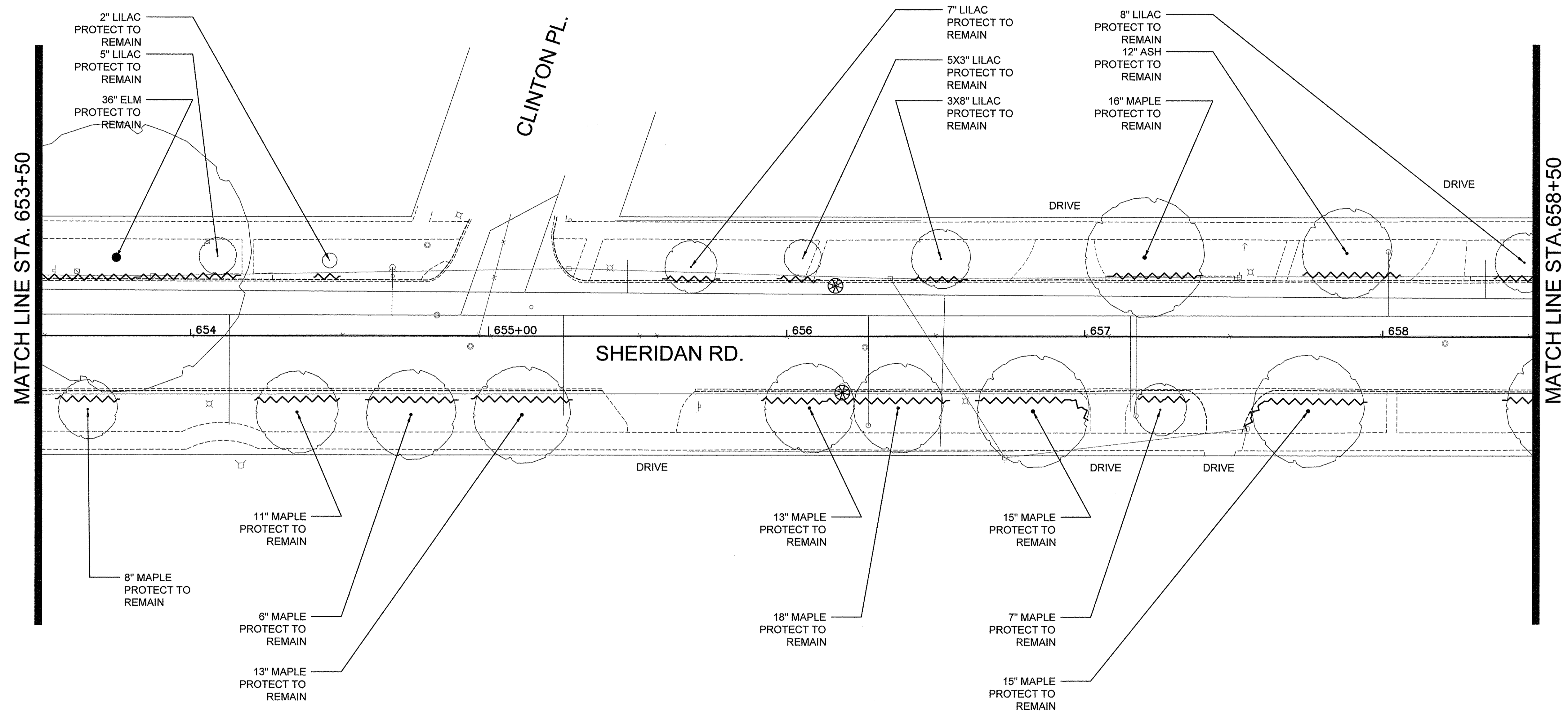
**LEGEND**

- EXISTING DECIDUOUS TREE PROTECT - TO REMAIN
  - EXISTING DECIDUOUS TREE TO BE REMOVED
  - RELOCATED TREES
  - ROOT PRUNING AREAS
  - INLET FILTERS
- SEE TREE PROTECTION DETAILS FOR MORE INFO ON PROTECTING EXISTING TREES



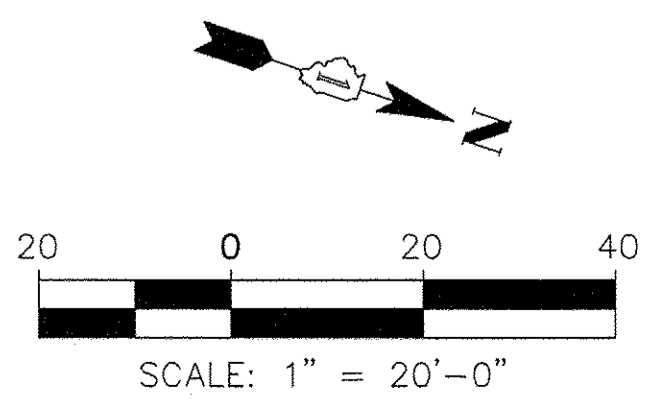
FILE NAME =	USER NAME =	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CHICAGO AVE./ SHERIDAN RD. TREE PRESERVATION AND REMOVAL PLAN</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED -	REVISED -			2853	14-00273-00-BT	COOK	274	150
DEFAULT	PLOT DATE =	DATE 10/17/2016	REVISED -	SCALE: 1"=20'-0" SHEET 14 OF 19 SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 61D36		

NOTE:  
 1. ALL ROOT PRUNING SHALL BE PERFORMED AT DIRECTION OF A CERTIFIED ARBORIST.



**LEGEND**

- EXISTING DECIDUOUS TREE PROTECT - TO REMAIN
  - EXISTING DECIDUOUS TREE TO BE REMOVED
  - RELOCATED TREES
  - ROOT PRUNING AREAS
  - INLET FILTERS
- SEE TREE PROTECTION DETAILS FOR MORE INFO ON PROTECTING EXISTING TREES



FILE NAME	USER NAME	DESIGNED	REVISED
		DRAWN	REVISED
		CHECKED	REVISED
		DATE	REVISED
		10/17/2016	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

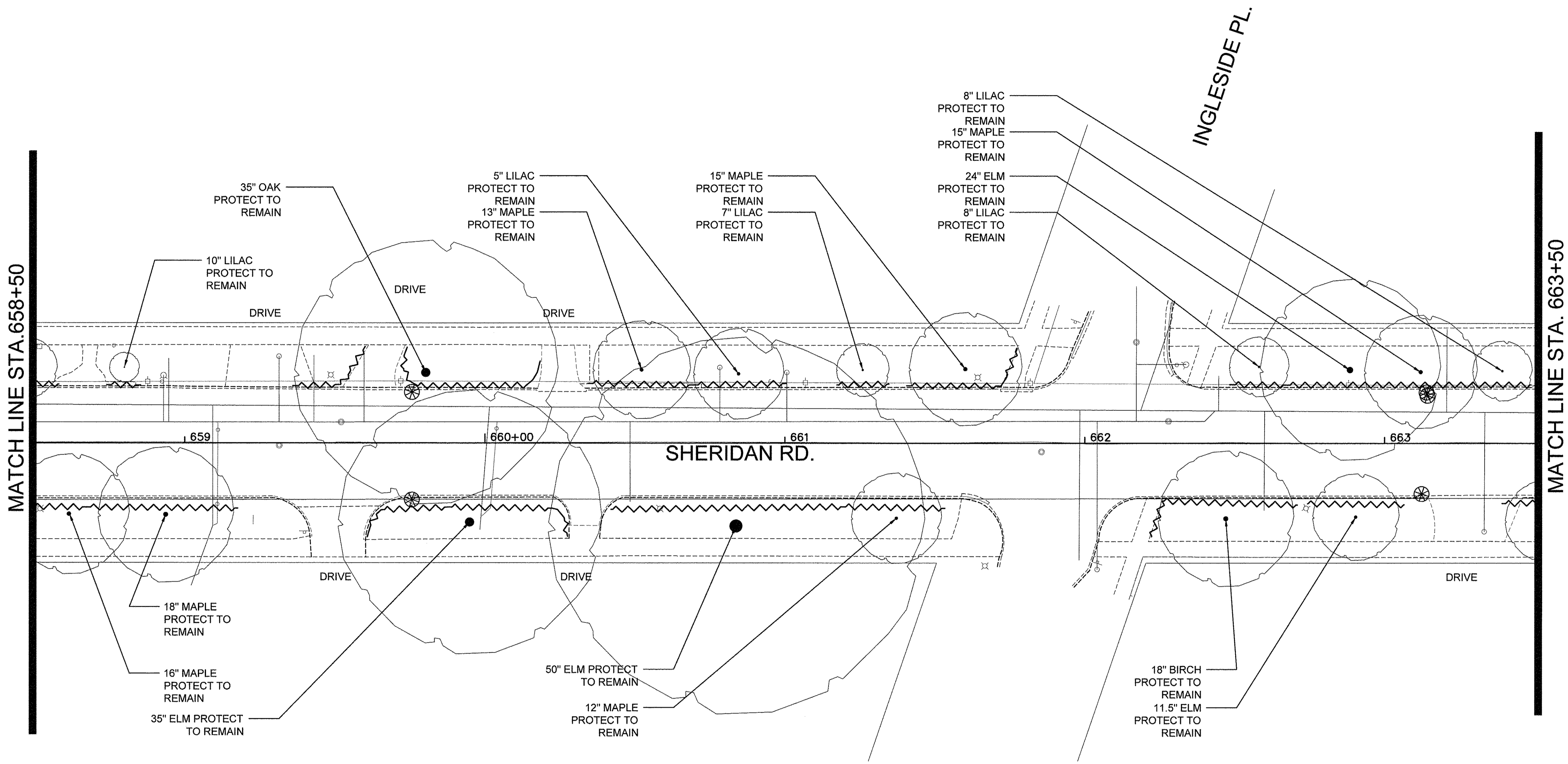
**CHICAGO AVE./ SHERIDAN RD.  
 TREE PRESERVATION AND REMOVAL PLAN**

SCALE: 1"=20'-0" SHEET 15 OF 19 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	151
CONTRACT NO.			61D36	

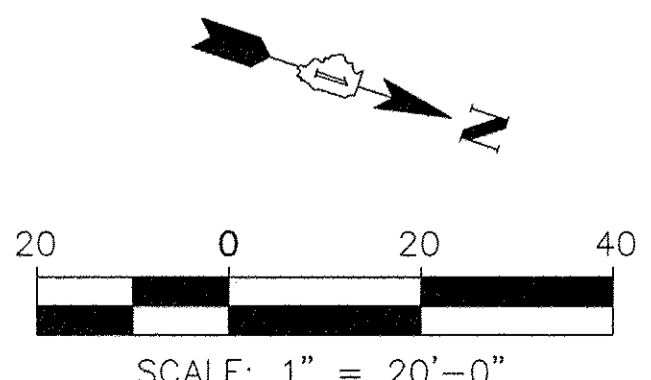
Long Section Number Multiple County Names

NOTE:  
 1. ALL ROOT PRUNING SHALL BE PERFORMED AT DIRECTION OF A CERTIFIED ARBORIST.



**LEGEND**

- EXISTING DECIDUOUS TREE PROTECT - TO REMAIN
  - EXISTING DECIDUOUS TREE TO BE REMOVED
  - RELOCATED TREES
  - ROOT PRUNING AREAS
  - INLET FILTERS
- SEE TREE PROTECTION DETAILS FOR MORE INFO ON PROTECTING EXISTING TREES



FILE NAME =	USER NAME =	DESIGNED --	REVISED --
		DRAWN --	REVISED --
DEFAULT	PLOT SCALE =	CHECKED --	REVISED --
	PLOT DATE =	DATE 10/17/2016	REVISED --

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

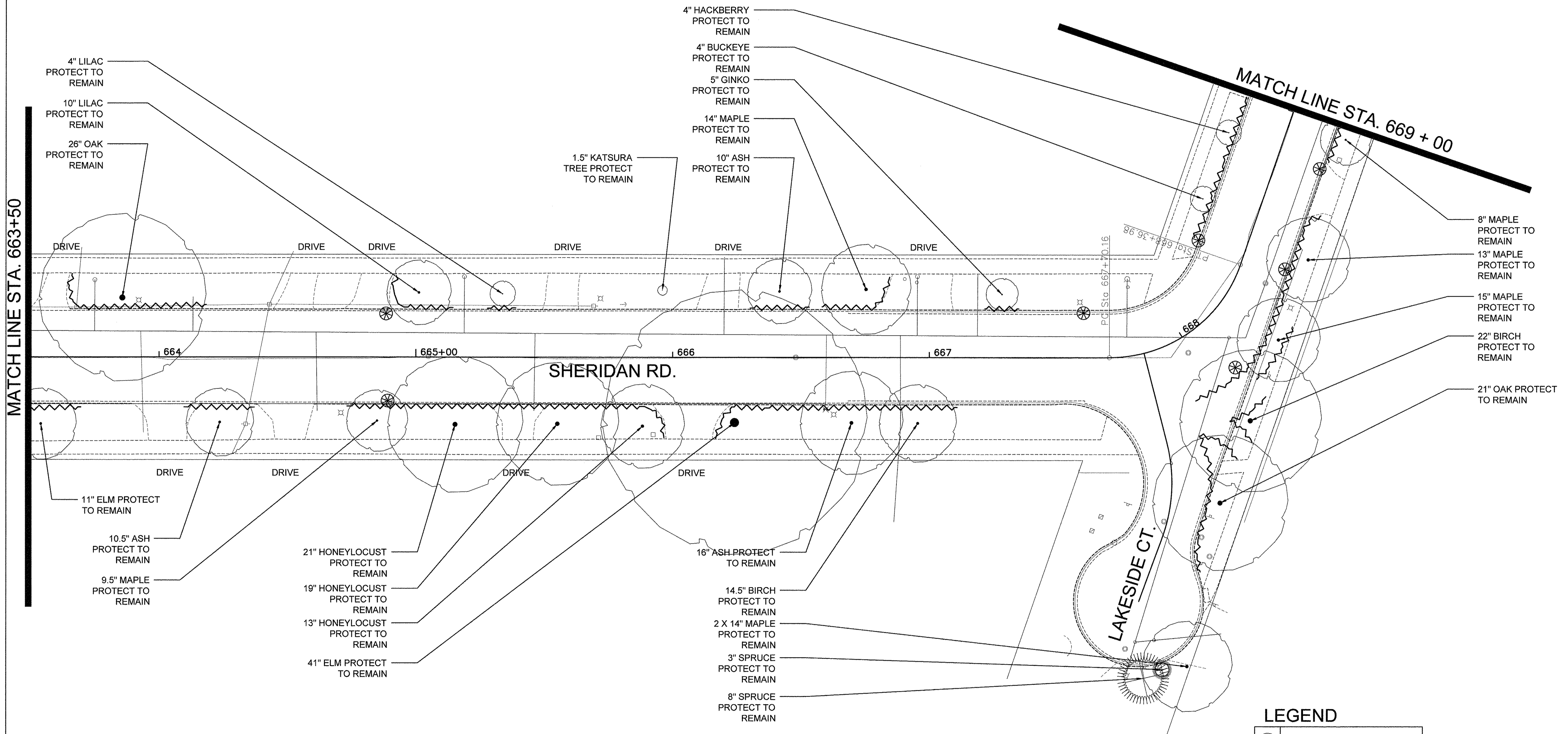
**CHICAGO AVE/ SHERIDAN RD.  
 TREE PRESERVATION AND REMOVAL PLAN**

SCALE: 1"=20'-0" SHEET 16 OF 19 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	152
CONTRACT NO. 61D36			ILLINOIS FED. AID PROJECT	

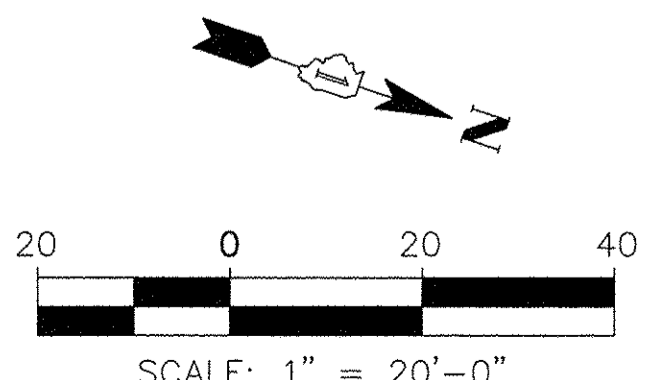
Long Section Number Multiple County Names

NOTE:  
 1. ALL ROOT PRUNING SHALL BE PERFORMED AT DIRECTION OF A CERTIFIED ARBORIST.



**LEGEND**

- EXISTING DECIDUOUS TREE PROTECT - TO REMAIN
  - EXISTING DECIDUOUS TREE TO BE REMOVED
  - RELOCATED TREES
  - ROOT PRUNING AREAS
  - INLET FILTERS
- SEE TREE PROTECTION DETAILS FOR MORE INFO ON PROTECTING EXISTING TREES

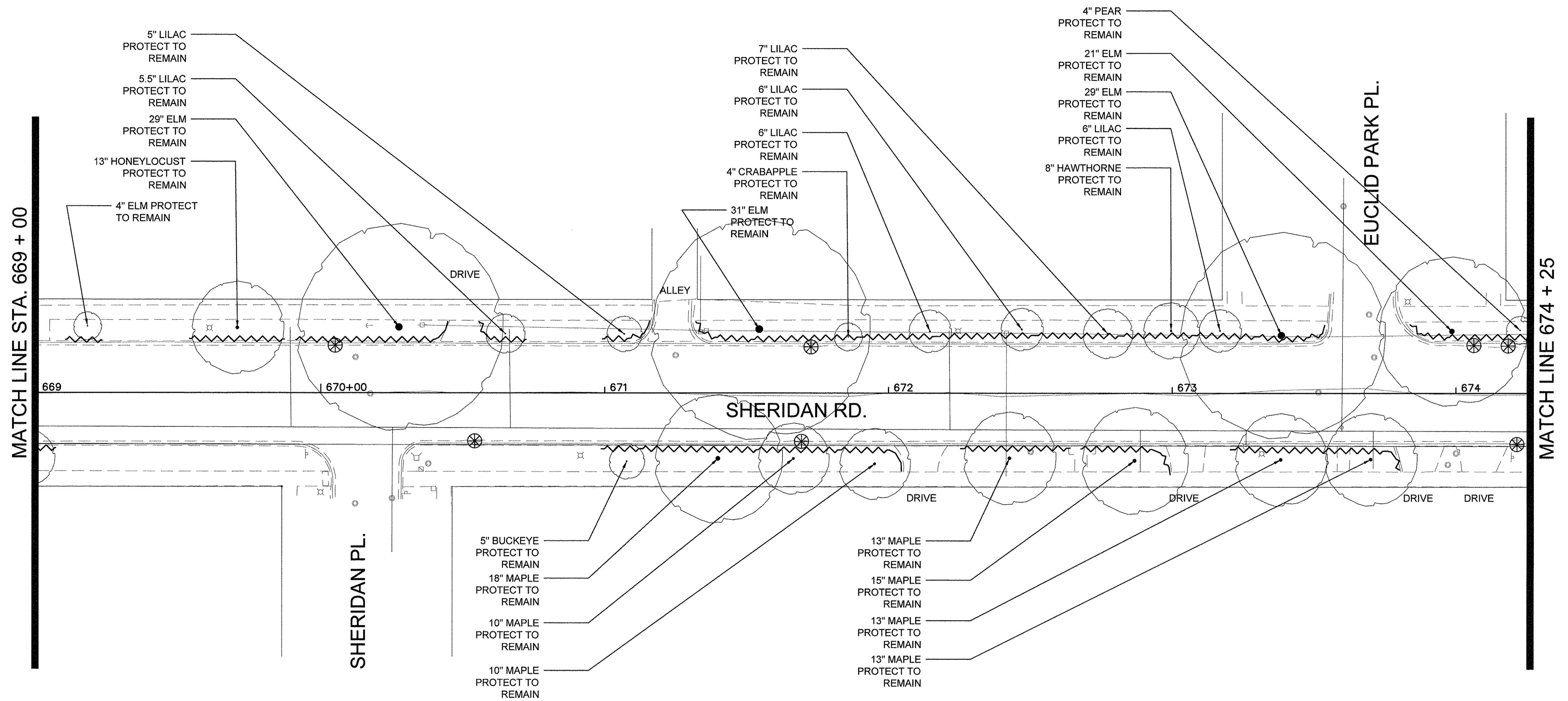


FILE NAME	USER NAME	DESIGNED	REVISED	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CHICAGO AVE/ SHERIDAN RD. TREE PRESERVATION AND REMOVAL PLAN</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
DEFAULT	PLOT SCALE	CHECKED	REVISED			2853	14-00273-00-BT	COOK	274	153	
	PLOT DATE	DATE	REVISED			CONTRACT NO. 61D36					
		10/17/2016				ILLINOIS FED. AID PROJECT					

SCALE: 1" = 20'-0"    SHEET 17 OF 19 SHEETS    STA.    TO STA.

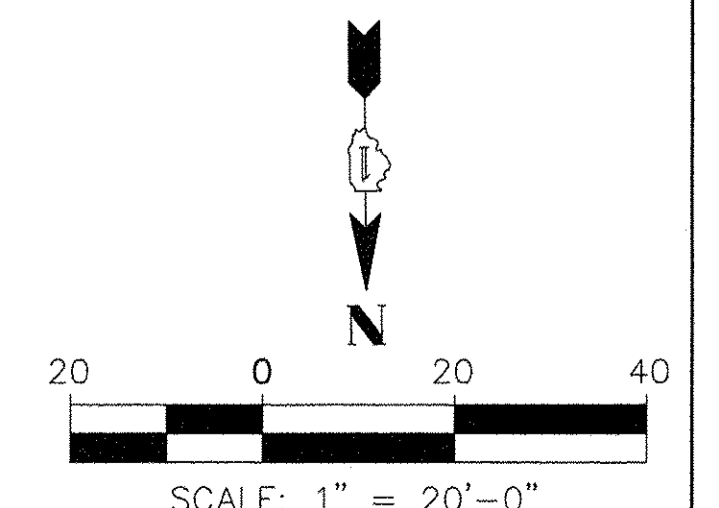
Long Section Number    Multiple County Names

NOTE:  
 1. ALL ROOT PRUNING SHALL BE PERFORMED AT DIRECTION OF A CERTIFIED ARBORIST.



**LEGEND**

- EXISTING DECIDUOUS TREE PROTECT - TO REMAIN
  - EXISTING DECIDUOUS TREE TO BE REMOVED
  - RELOCATED TREES
  - ROOT PRUNING AREAS
  - INLET FILTERS
- SEE TREE PROTECTION DETAILS FOR MORE INFO ON PROTECTING EXISTING TREES



FILE NAME =	USER NAME =	DESIGNED --	REVISED --
		DRAWN --	REVISED --
DEFAULT	PLOT SCALE =	CHECKED --	REVISED --
	PLOT DATE =	DATE 10/17/2016	REVISED --

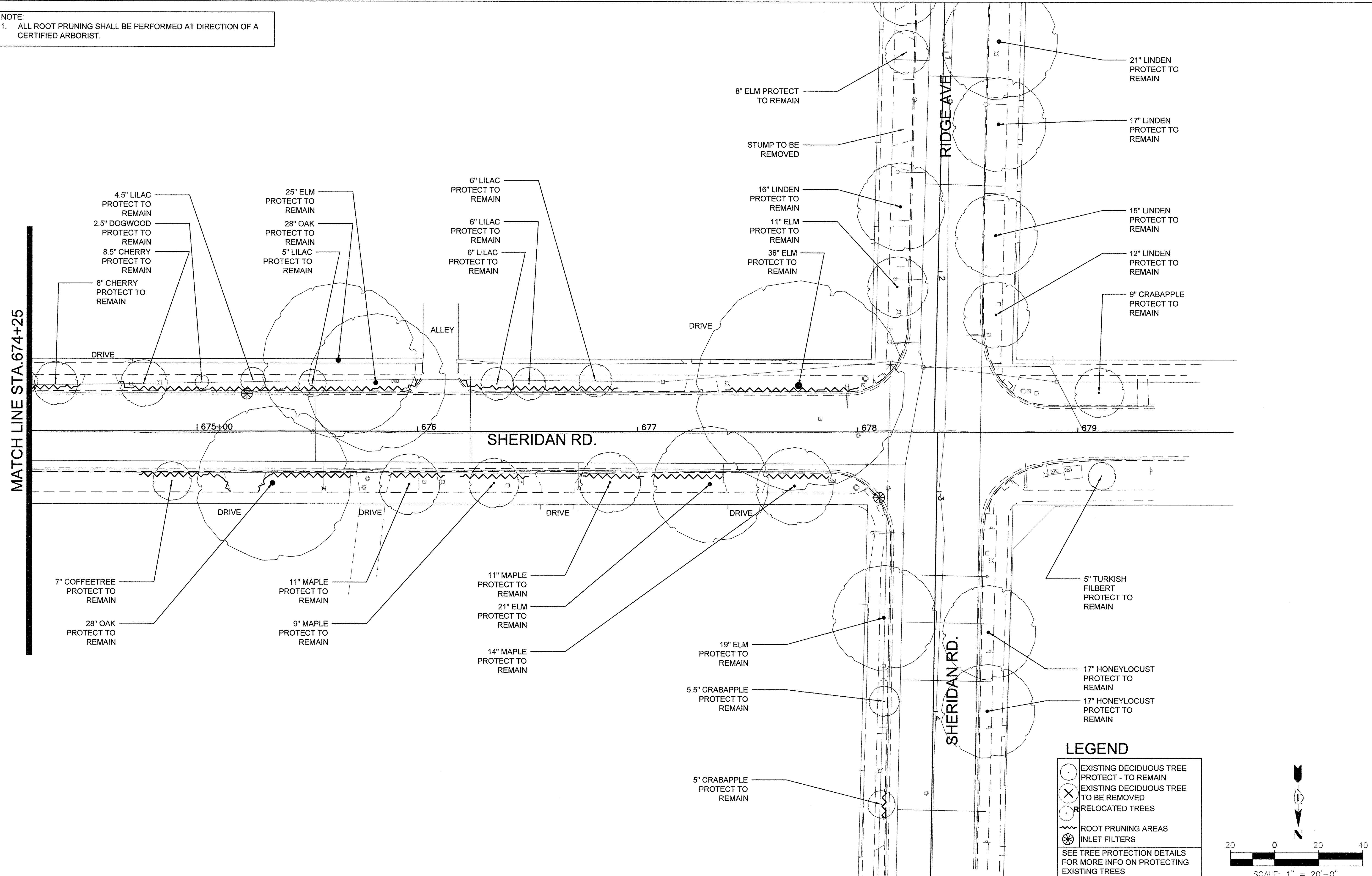
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CHICAGO AVE/ SHERIDAN RD.  
 TREE PRESERVATION AND REMOVAL PLAN**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	154
CONTRACT NO. 61D36			ILLINOIS FED. AID PROJECT	

SCALE: 1"=20'-0" SHEET 18 OF 19 SHEETS STA. TO STA.

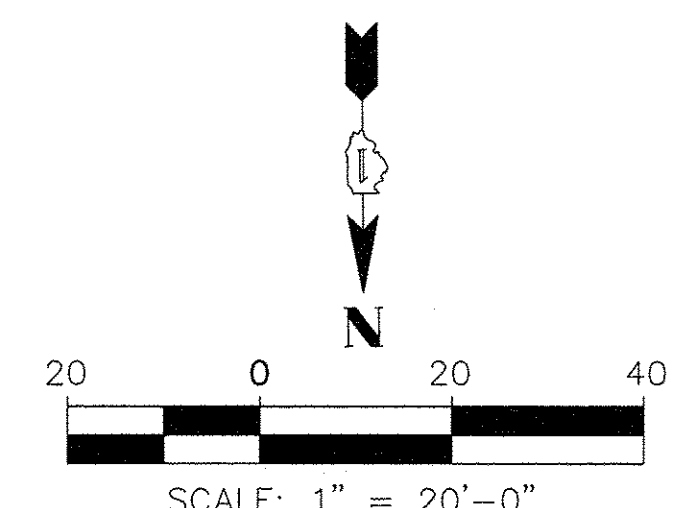
NOTE:  
 1. ALL ROOT PRUNING SHALL BE PERFORMED AT DIRECTION OF A CERTIFIED ARBORIST.



**LEGEND**

- EXISTING DECIDUOUS TREE PROTECT - TO REMAIN
- EXISTING DECIDUOUS TREE TO BE REMOVED
- RELOCATED TREES
- ROOT PRUNING AREAS
- INLET FILTERS

SEE TREE PROTECTION DETAILS FOR MORE INFO ON PROTECTING EXISTING TREES



FILE NAME =	USER NAME =	DESIGNED --	REVISED --
DEFAULT		DRAWN --	REVISED --
	PLOT SCALE =	CHECKED --	REVISED --
	PLOT DATE =	DATE 10/17/2016	REVISED --

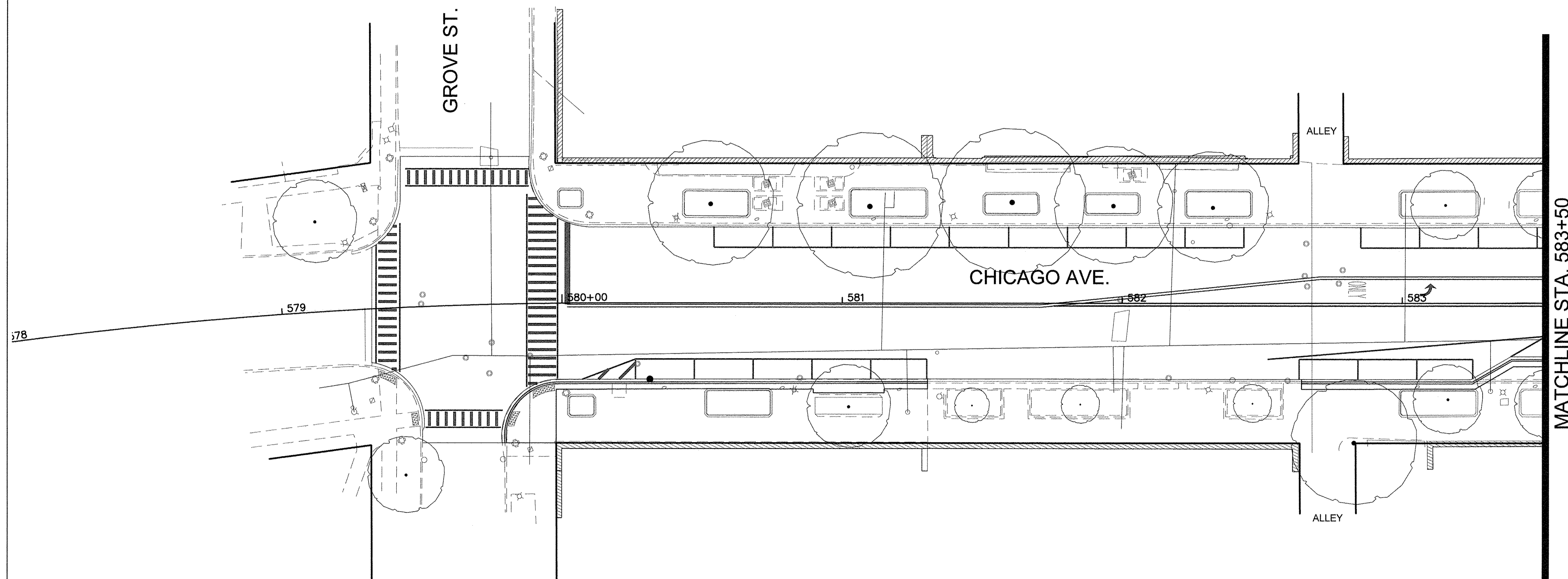
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CHICAGO AVE./ SHERIDAN RD.  
 TREE PRESERVATION AND REMOVAL PLAN**





SCALE: 1"=20'-0" SHEET 19 OF 19 SHEETS STA. TO STA.

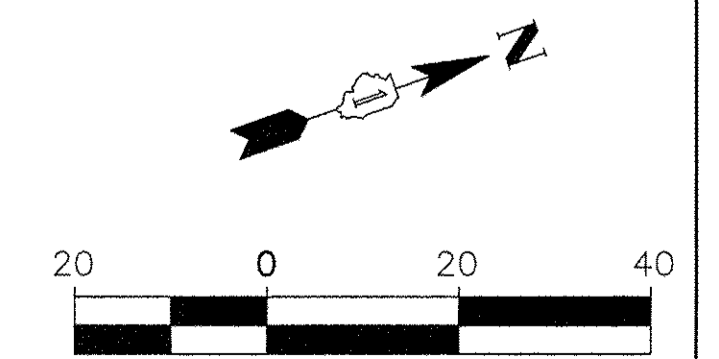
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	155
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D36	

Long Section Number Multiple County Names



**LEGEND**

-  EXISTING TREES  
PROTECT TO REMAIN
-  RELOCATED TREES
-  NEW DECIDUOUS TREES
-  PROPOSED SALT TOLERANT  
SODDING



FILE NAME =	USER NAME =	DESIGNED --	REVISED --
		DRAWN --	REVISED --
		CHECKED --	REVISED --
DEFAULT	PLOT DATE =	DATE 10/17/2016	REVISED --

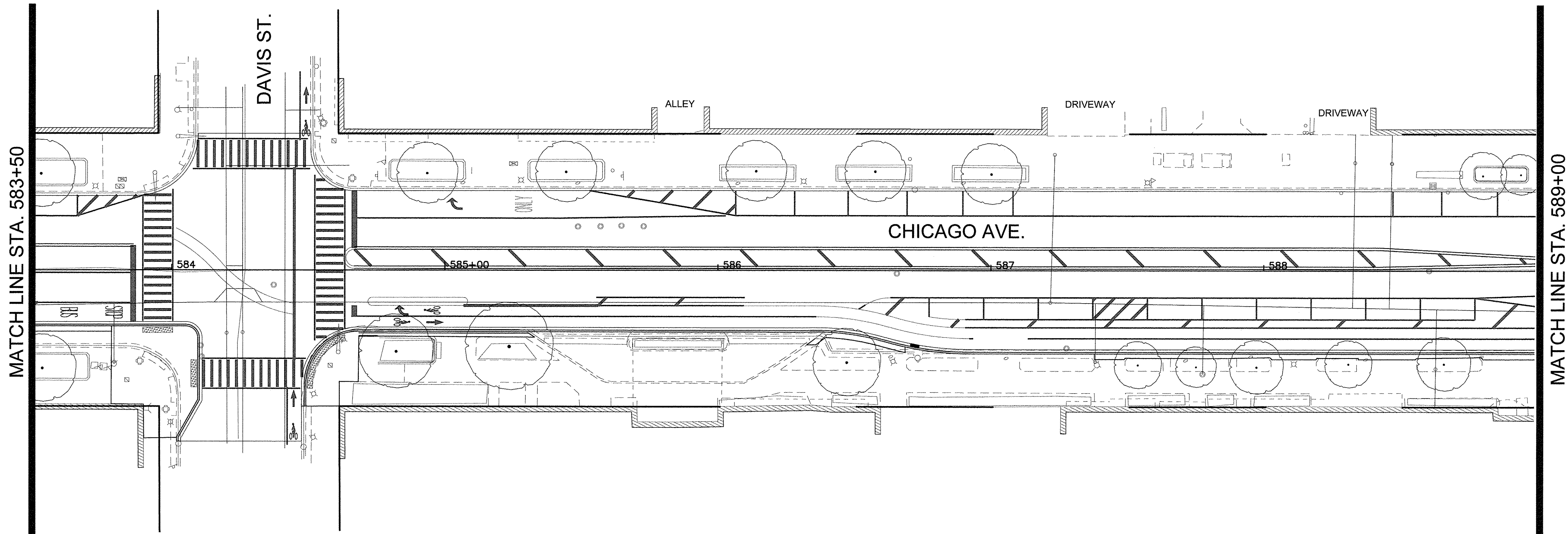
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CHICAGO AVE./ SHERIDAN RD.  
LANDSCAPE PLAN**

SCALE: 1"=20'-0" SHEET 1 OF 19 SHEETS STA. TO STA.

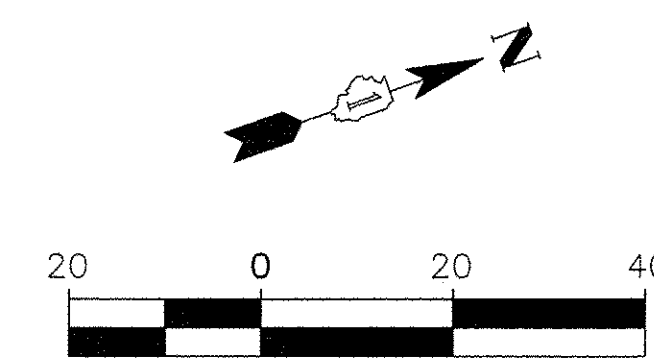
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	156
CONTRACT NO. 61D36				





**LEGEND**

	EXISTING TREES PROTECT TO REMAIN
	RELOCATED TREES
	NEW DECIDUOUS TREES
	PROPOSED SALT TOLERANT SODDING



SCALE: 1" = 20'-0"

FILE NAME =	USER NAME =	DESIGNED --	REVISED --
DEFAULT		DRAWN --	REVISED --
	PLOT SCALE =	CHECKED --	REVISED --
	PLOT DATE =	DATE 10/17/2016	REVISED --

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CHICAGO AVE./ SHERIDAN RD.  
LANDSCAPE PLAN**

SCALE: 1"=20'-0" SHEET 2 OF 19 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	157
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D36	

Long Section Number Multiple County Names

MATCH LINE STA. 589+00

CHURCH ST.

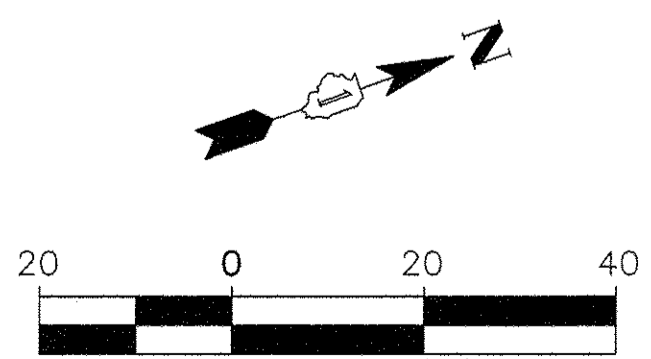
MATCH LINE STA. 594+50

CHICAGO AVE.

EXTENTS OF EXISTING SHRUB AREA

**LEGEND**

	EXISTING TREES PROTECT TO REMAIN
	RELOCATED TREES
	NEW DECIDUOUS TREES
	PROPOSED SALT TOLERANT SODDING



SCALE: 1" = 20'-0"

FILE NAME	USER NAME	DESIGNED	REVISED
DEFAULT		DRAWN	REVISED
	PLOT SCALE	CHECKED	REVISED
	PLOT DATE	DATE	REVISED
		10/17/2016	

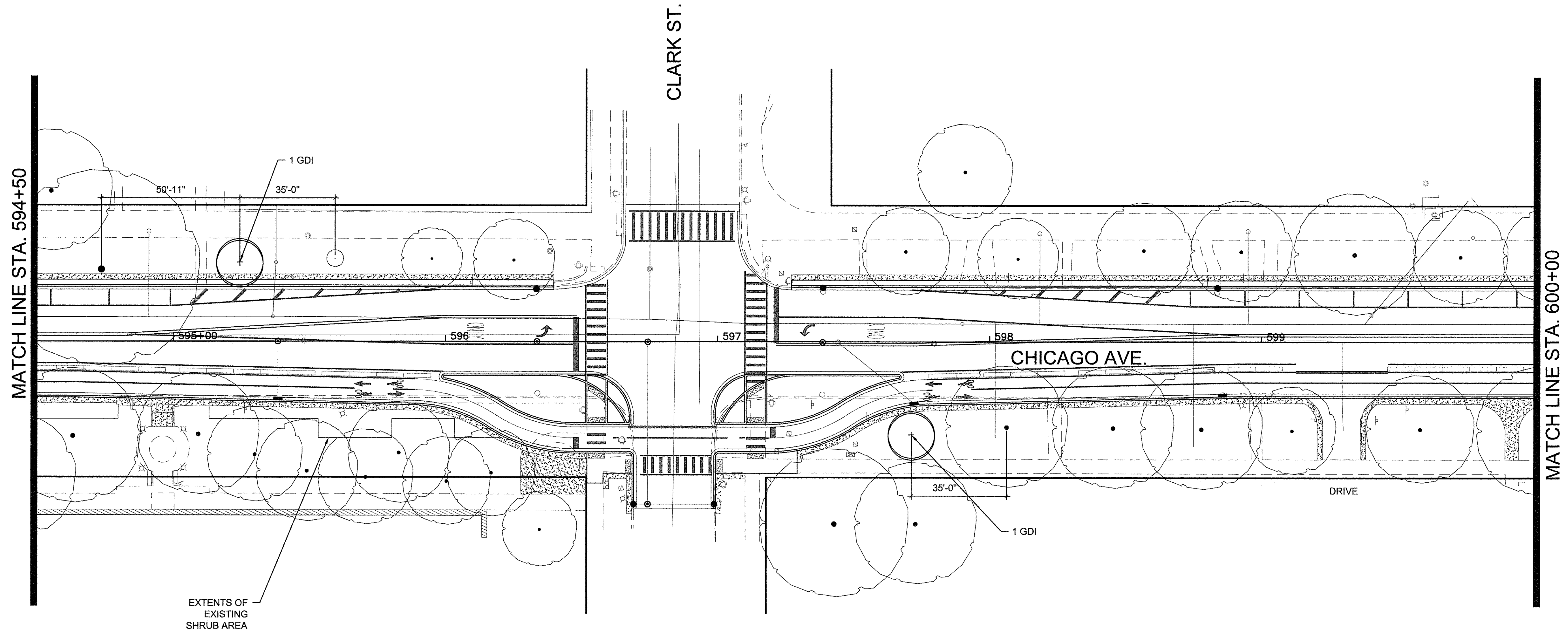
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CHICAGO AVE./ SHERIDAN RD.  
LANDSCAPE PLAN**

SCALE: 1" = 20'-0" SHEET 3 OF 19 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	158
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D36	

Long Section Number Multiple County Names

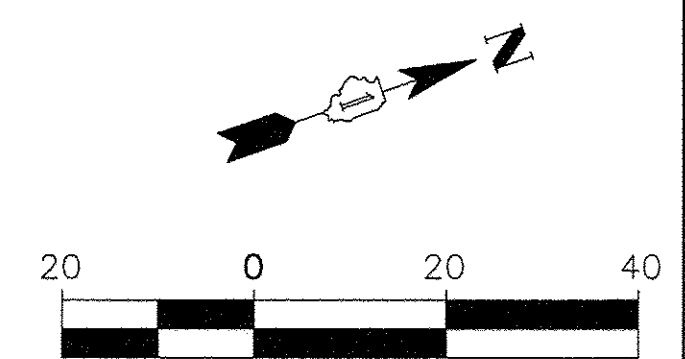


**SHEET 159 PLANT SCHEDULE**

Plant Code	Qty	Size	Botanical Name	Common Name	Spacing	Comments
Trees						
GDI	2	4" CAL.	GYMOCLADUS DIOICUS	KENTUCKY COFFEETREE	SEE PLANS	B&B

**LEGEND**

	EXISTING TREES PROTECT TO REMAIN
	RELOCATED TREES
	NEW DECIDUOUS TREES
	PROPOSED SALT TOLERANT SODDING



SCALE: 1" = 20'-0"

FILE NAME =	USER NAME =	DESIGNED --	REVISED --
		DRAWN --	REVISED --
DEFAULT	PLOT SCALE =	CHECKED --	REVISED --
	PLOT DATE =	DATE 10/17/2016	REVISED --

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CHICAGO AVE./ SHERIDAN RD.  
LANDSCAPE PLAN**

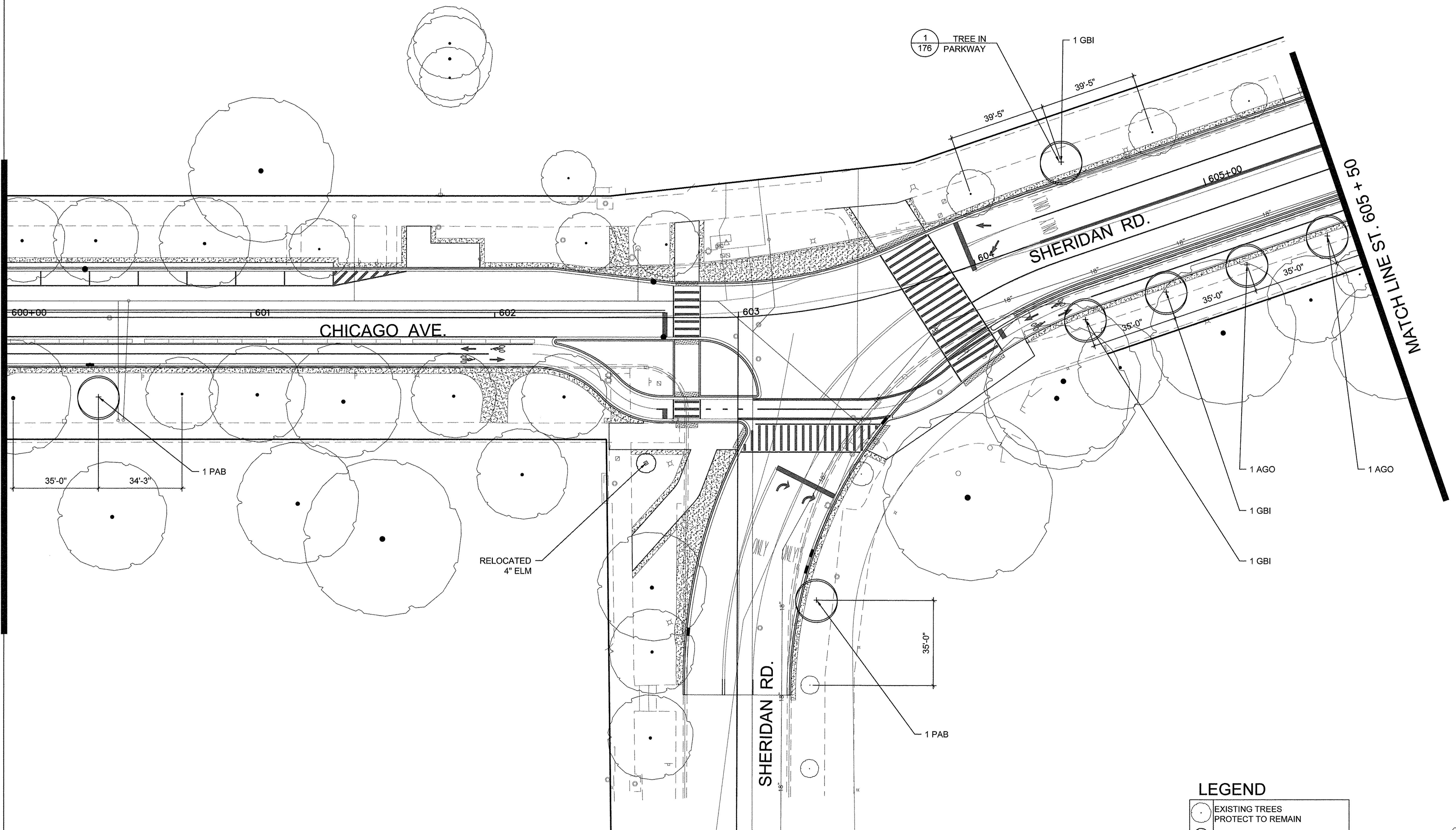
SCALE: 1"=20'-0" SHEET 4 OF 19 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	159
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D36	

Long Section Number Multiple County Names

MATCH LINE STA. 600 + 00

MATCH LINE STA. 609 + 50

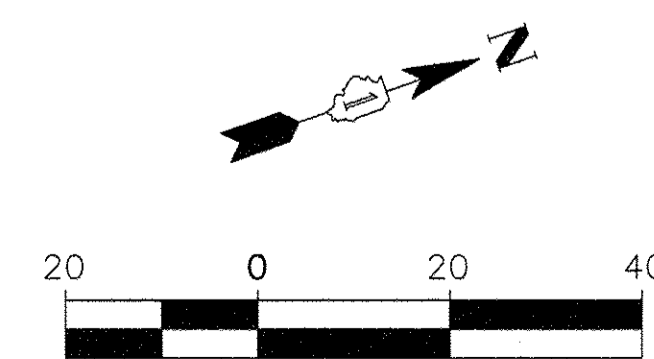


SHEET 160 PLANT SCHEDULE

Plant Code	Qty	Size	Botanical Name	Common Name	Spacing	Comments
<b>Trees</b>						
AGO	2	3" CAL.	AESCULUS GLABRA	OHIO BUCKEYE	SEE PLANS	B&B
GBI	3	4" CAL.	GINKGO BILOBA	GINKGO	SEE PLANS	B&B
PAB	2	4" CAL.	ULMUS MORTON "GLOSSY"	TRIUMPH ELM	SEE PLANS	B&B

LEGEND

	EXISTING TREES PROTECT TO REMAIN
	RELOCATED TREES
	NEW DECIDUOUS TREES
	PROPOSED SALT TOLERANT SODDING



FILE NAME =	USER NAME =	DESIGNED --	REVISED --
		DRAWN --	REVISED --
DEFAULT	PLOT SCALE =	CHECKED --	REVISED --
	PLOT DATE =	DATE 10/17/2016	REVISED --

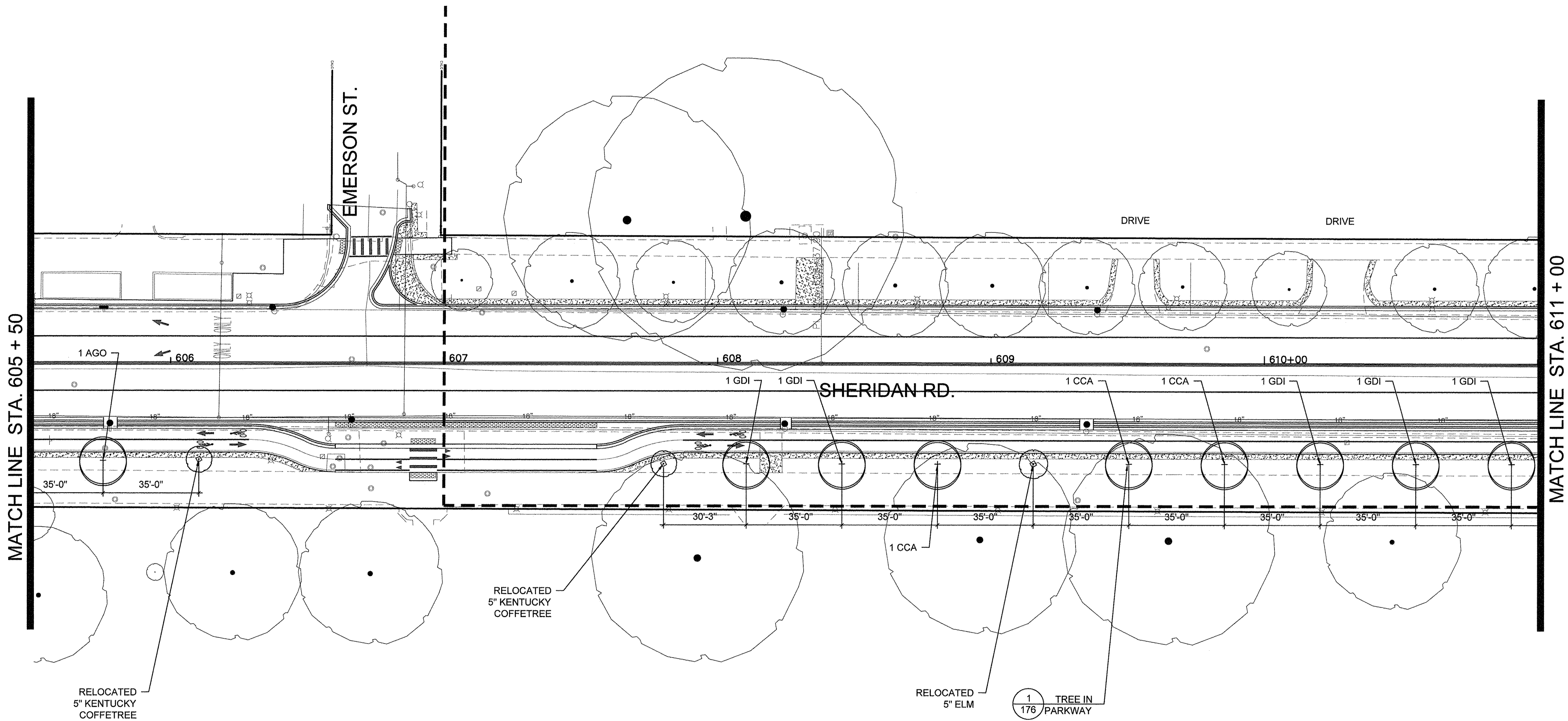
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CHICAGO AVE./ SHERIDAN RD.  
LANDSCAPE PLAN

SCALE: 1" = 20'-0" SHEET 5 OF 19 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	160
			CONTRACT NO. 61D36	

ILLINOIS FED. AID PROJECT Multiple County Names

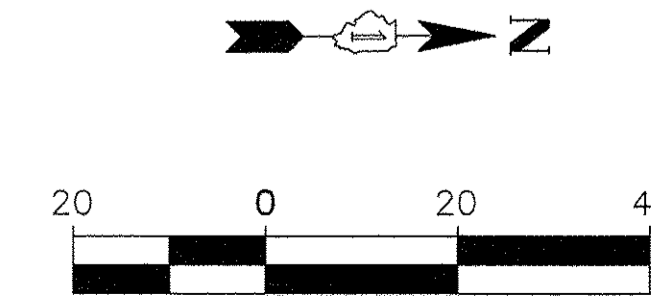


**SHEET 161 PLANT SCHEDULE**

Plant Code	Qty	Size	Botanical Name	Common Name	Spacing	Comments
<b>Trees</b>						
AGO	1	3" CAL	AESCULUS GLABRA	OHIO BUCKEYE	SEE PLANS	B&B
CCA	3	4" CAL	CERCIS CANADENSIS	EASTERN REDBUD	SEE PLANS	B&B
GDI	5	4" CAL	GYMOCLADUS DIOICUS	KENTUCKY COFFETREE	SEE PLANS	B&B

**LEGEND**

	EXISTING TREES PROTECT TO REMAIN
	RELOCATED TREES
	NEW DECIDUOUS TREES
	PROPOSED SALT TOLERANT SODDING



FILE NAME =	USER NAME =	DESIGNED --	REVISED --
DEFAULT	PLOT SCALE =	DRAWN --	REVISED --
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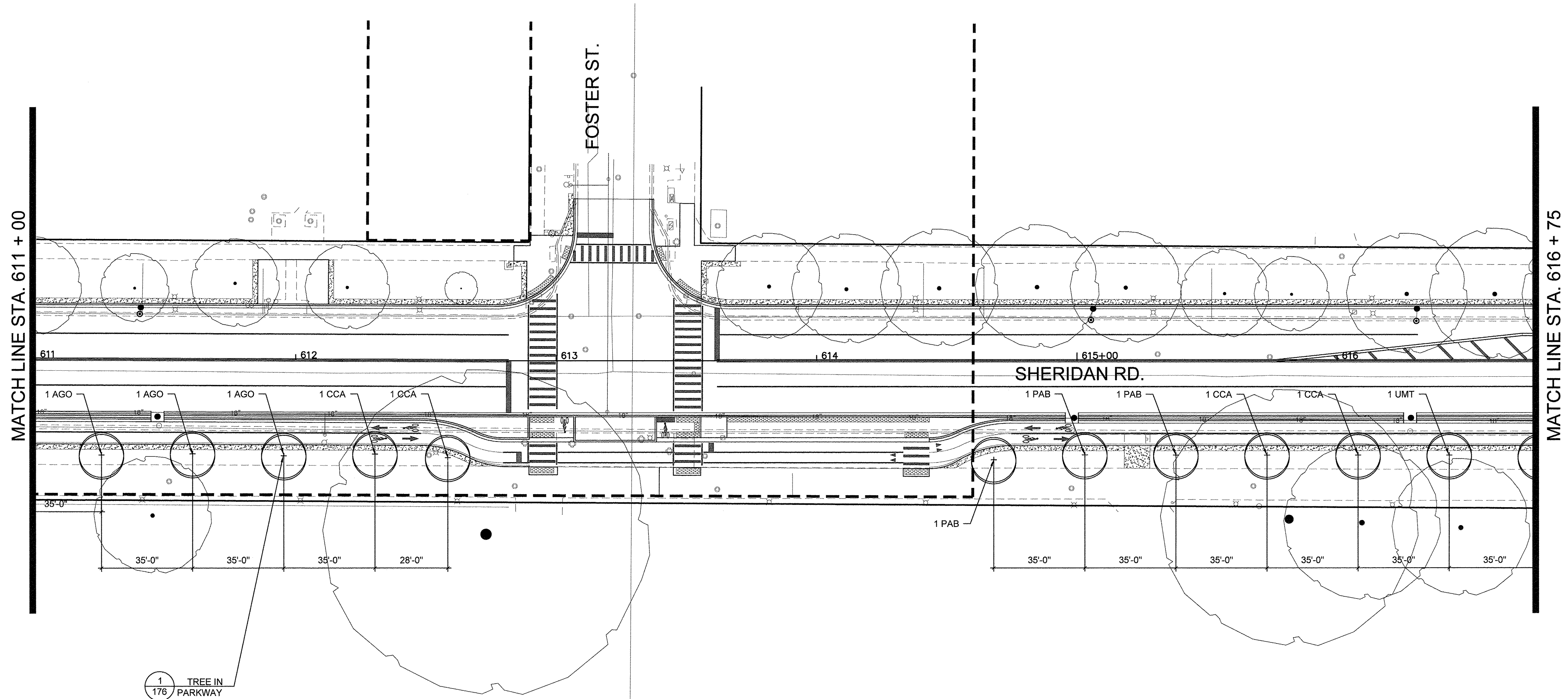
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CHICAGO AVE./ SHERIDAN RD.  
LANDSCAPE PLAN**

SCALE: 1"=20'-0" SHEET 6 OF 19 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	161
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D36	

Long Section Number Multiple County Names

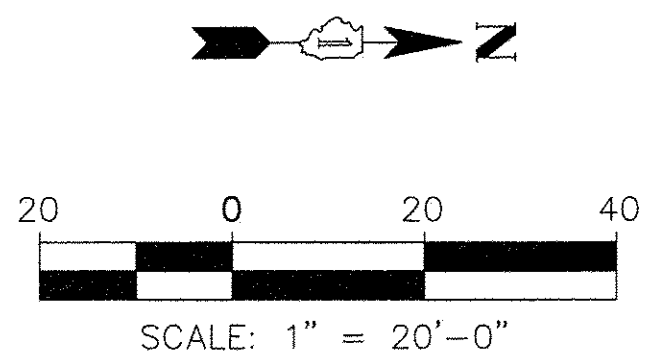


**SHEET 162 PLANT SCHEDULE**

Plant Code	Qty	Size	Botanical Name	Common Name	Spacing	Comments
AGO	3	3" CAL	AESCULUS GLABRA	OHIO BUCKEYE	SEE PLANS	B&B
CCA	4	4" CAL	CERCIS CANADENSIS	EASTERN REDBUD	SEE PLANS	B&B
PAB	3	4" CAL	PLATANUS ACERIFOLIA 'BLOODGOOD'	BLOODGOOD LONDON PLANETREE	SEE PLANS	B&B
UMT	1	4" CAL	ULMUS MORTON 'GLOSSY'	TRIUMPH ELM	SEE PLANS	B&B

**LEGEND**

- EXISTING TREES PROTECT TO REMAIN
- RELOCATED TREES
- NEW DECIDUOUS TREES
- PROPOSED SALT TOLERANT SODDING

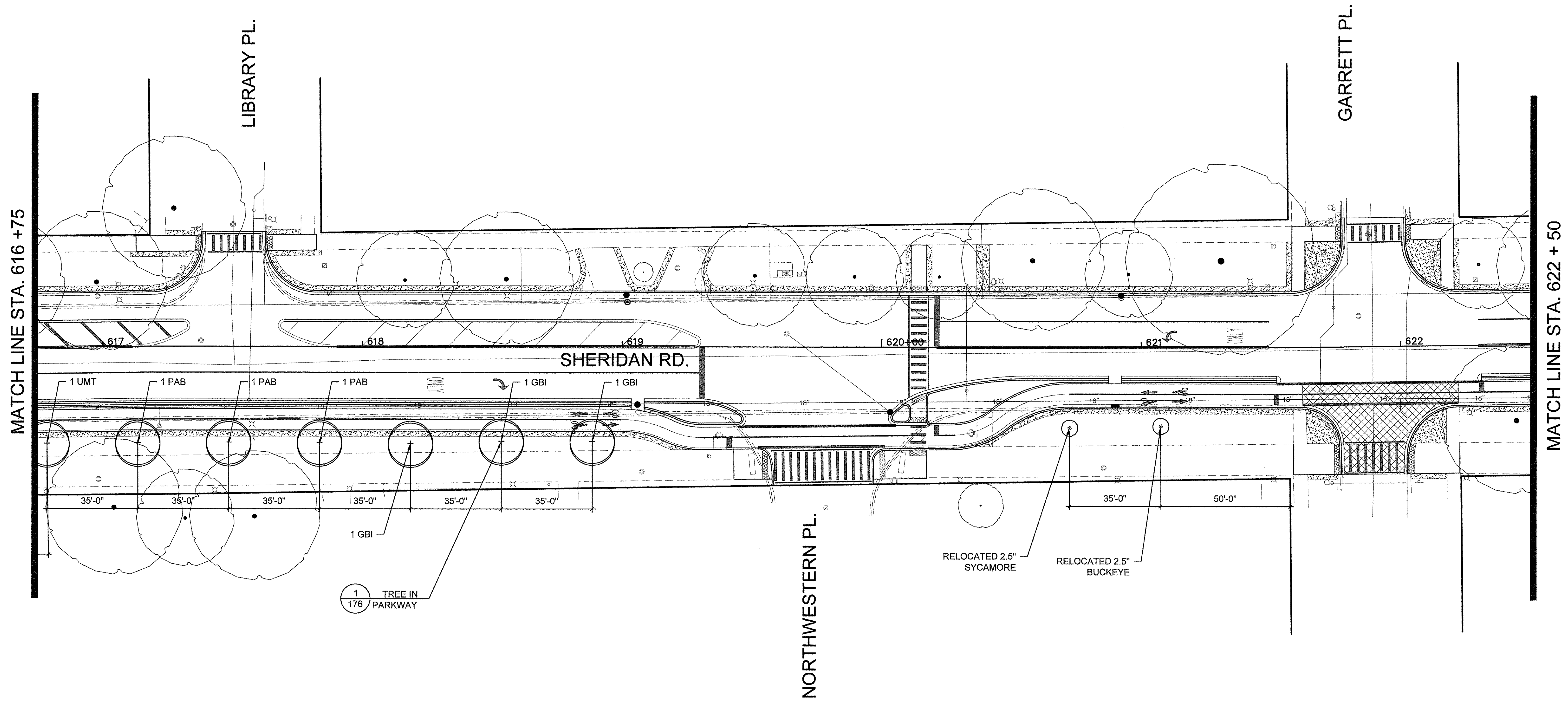


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DEFAULT		DRAWN --	REVISED --
	PLOT SCALE =	CHECKED --	REVISED --
	PLOT DATE =	DATE 10/17/2016	REVISED --

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CHICAGO AVE./ SHERIDAN RD. LANDSCAPE PLAN</b>		F.A. RTE. 2853	SECTION 14-00273-00-BT	COUNTY COOK	TOTAL SHEETS 274	SHEET NO. 162
SCALE: 1"=20'-0"	SHEET 7 OF 19 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 61D36		

Long Section Number Multiple County Names

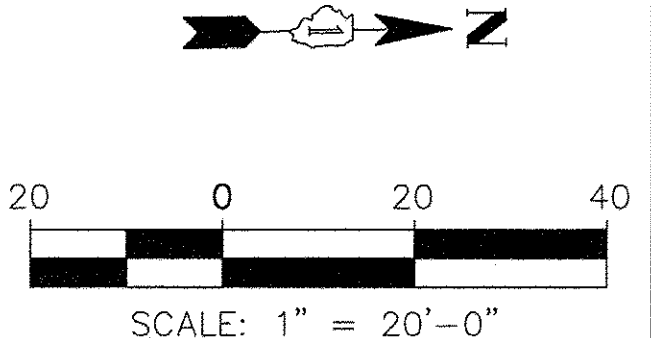


**SHEET 163 PLANT SCHEDULE**

Plant Code	Qty	Size	Botanical Name	Common Name	Spacing	Comments
<b>Trees</b>						
GBI	3	4" CAL	GINKGO BILOBA	GINKGO	SEE PLANS	B&B
PAB	3	4" CAL	PLATANUS ACERIFOLIA 'BLOODGOOD'	BLOODGOOD LONDON PLANETREE	SEE PLANS	B&B
UMT	1	4" CAL	ULMUS MORTON 'GLOSSY'	TRIUMPH ELM	SEE PLANS	B&B

**LEGEND**

- EXISTING TREES PROTECT TO REMAIN
- RELOCATED TREES
- NEW DECIDUOUS TREES
- PROPOSED SALT TOLERANT SODDING



FILE NAME =	USER NAME =	DESIGNED --	REVISED --
		DRAWN --	REVISED --
DEFAULT	PLOT SCALE =	CHECKED --	REVISED --
	PLOT DATE =	DATE 10/17/2016	REVISED --

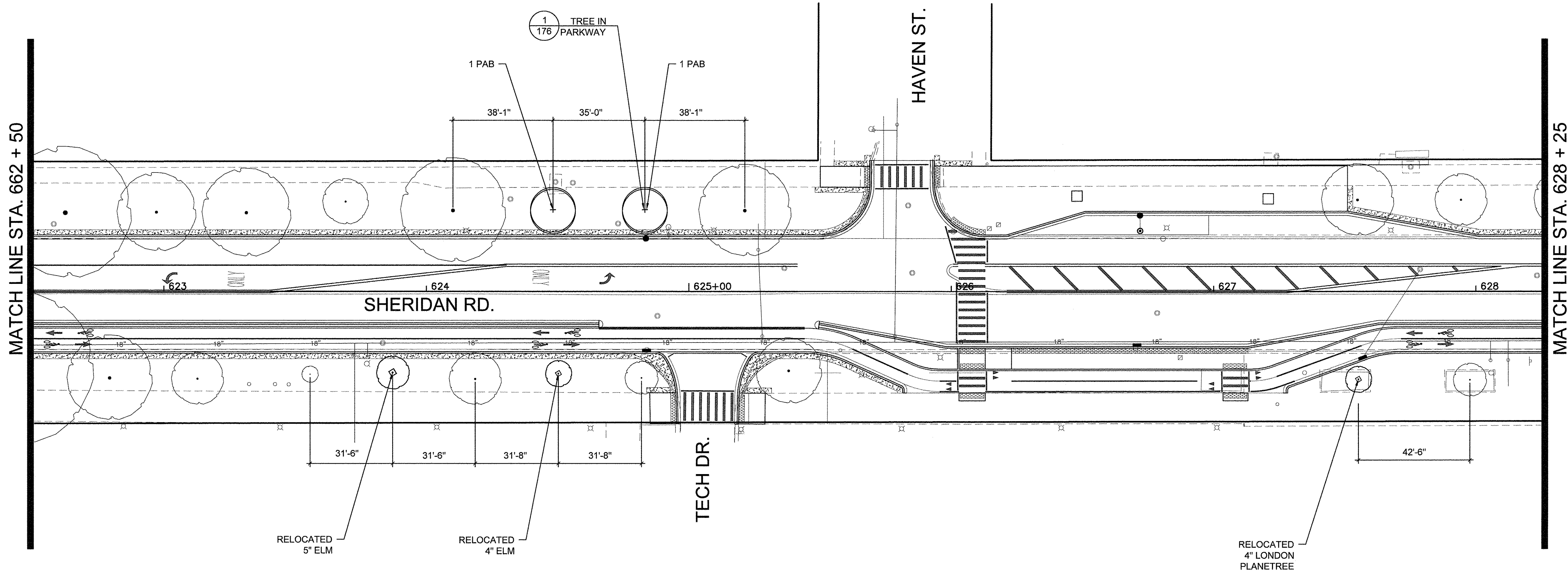
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CHICAGO AVE./ SHERIDAN RD.  
LANDSCAPE PLAN**

SCALE: 1" = 20'-0" SHEET 8 OF 19 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	163
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D36	

Long Section Number Multiple County Names

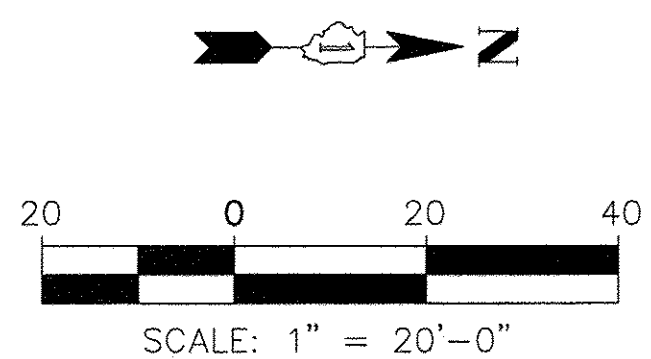


**SHEET 164 PLANT SCHEDULE**

Plant Code	Qty	Size	Botanical Name	Common Name	Spacing	Comments
<b>Trees</b>						
PAB	2	4" CAL	PLATANUS ACERIFOLIA 'BLOODGOOD'	BLOODGOOD LONDON PLANETREE	SEE PLANS	B&B

**LEGEND**

	EXISTING TREES PROTECT TO REMAIN
	RELOCATED TREES
	NEW DECIDUOUS TREES
	PROPOSED SALT TOLERANT SODDING



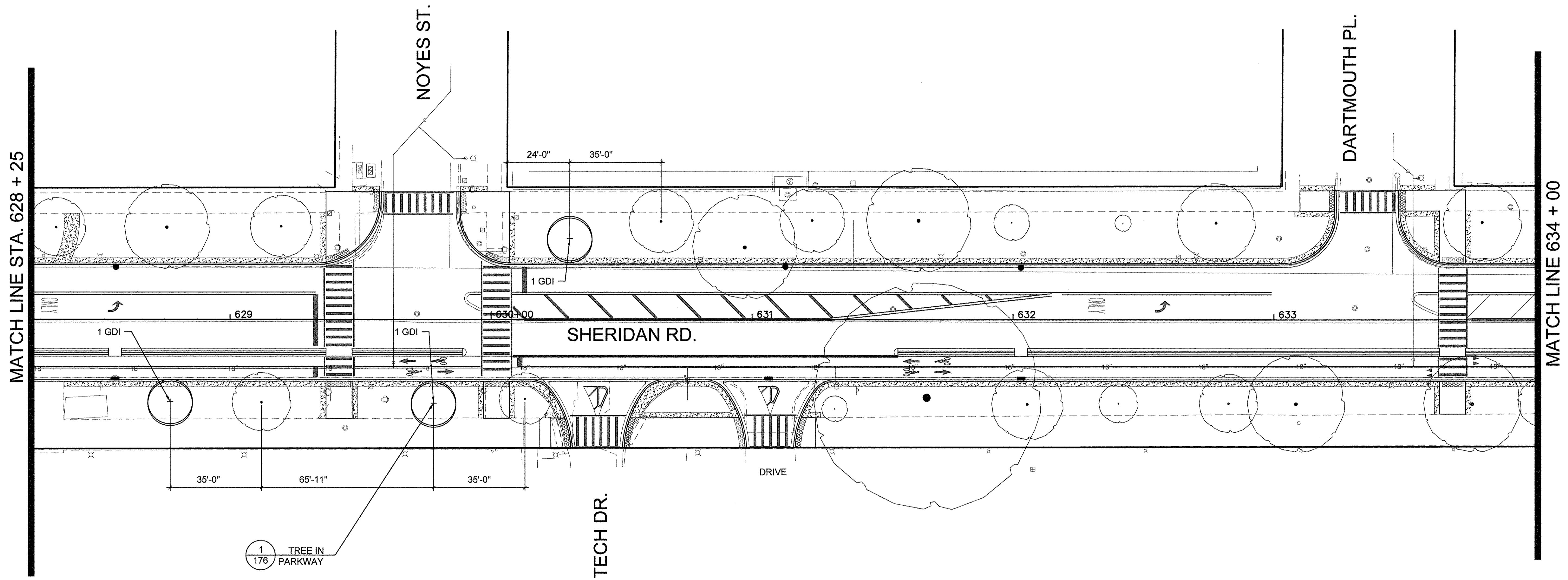
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	PLOT DATE =	DATE 10/17/2016	REVISED --

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CHICAGO AVE./ SHERIDAN RD.  
LANDSCAPE PLAN**

SCALE: 1"=20'-0"	SHEET 9 OF 19 SHEETS	STA. TO STA.	F.A. RTE. 2853	SECTION 14-00273-00-BT	COUNTY COOK	TOTAL SHEETS 274	SHEET NO. 164
						CONTRACT NO. 61D36	
						ILLINOIS FED. AID PROJECT	
						Long Section Number Multiple County Names	





MATCH LINE STA. 628 + 25

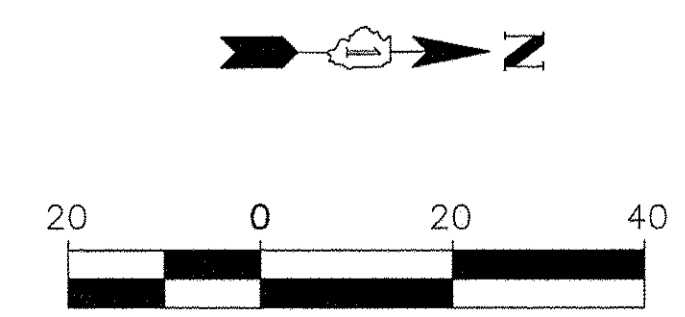
MATCH LINE 634 + 00

**SHEET 165 PLANT SCHEDULE**

Plant Code	Qty	Size	Botanical Name	Common Name	Spacing	Comments
<b>Trees</b>						
GDI	3	4" CAL	GYMOCLADUS DIOICUS	KENTUCKY COFFEETREE	SEE PLANS	B&B

**LEGEND**

	EXISTING TREES PROTECT TO REMAIN
	RELOCATED TREES
	NEW DECIDUOUS TREES
	PROPOSED SALT TOLERANT SODDING



FILE NAME =	USER NAME =	DESIGNED --	REVISED --
DEFAULT		DRAWN --	REVISED --
		CHECKED --	REVISED --
		DATE 10/17/2016	REVISED --

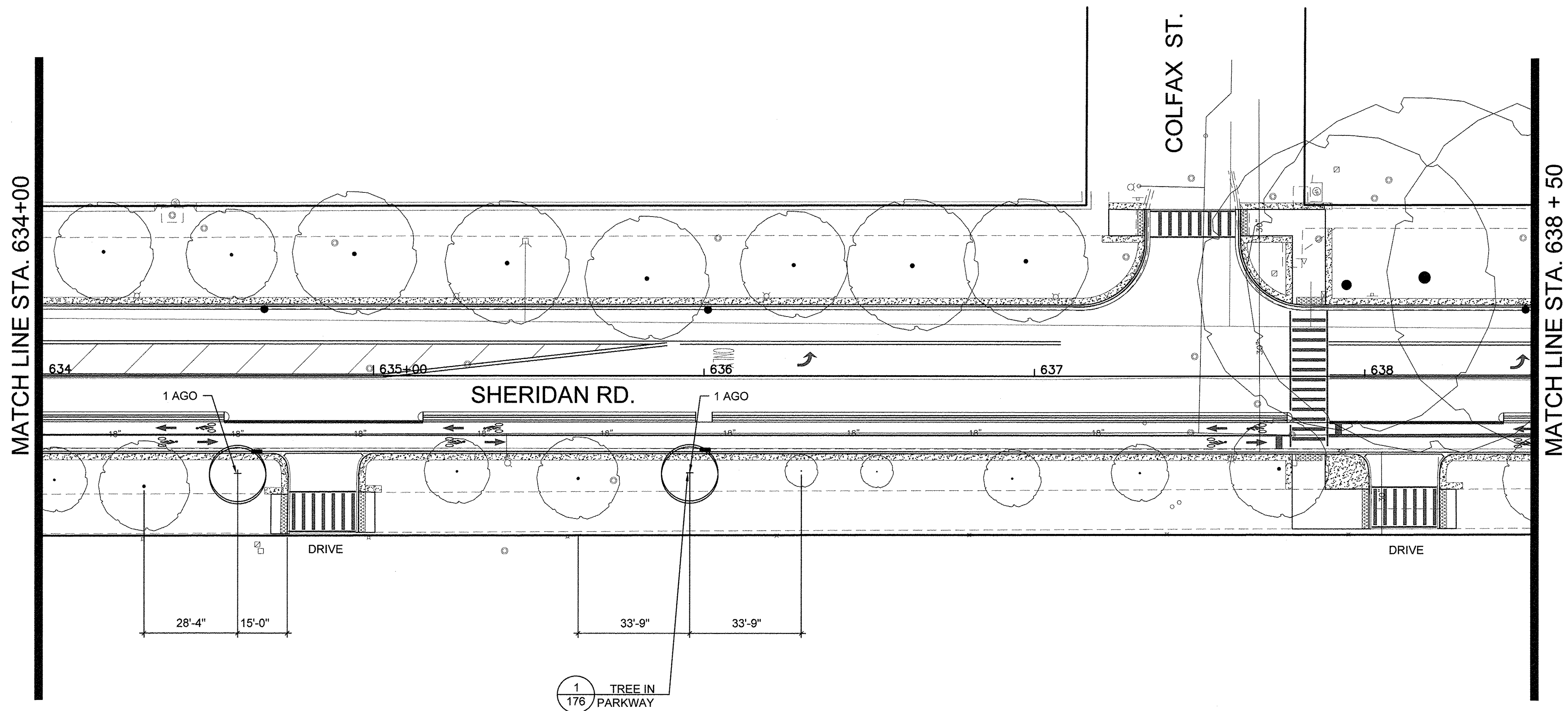
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CHICAGO AVE./ SHERIDAN RD.  
LANDSCAPE PLAN**

SCALE: 1"=20'-0" SHEET 10 OF 19 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	165
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D36	

Long Section Number Multiple County Names

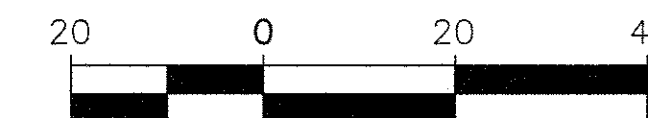
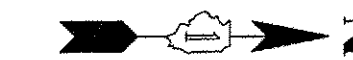


**SHEET 166 PLANT SCHEDULE**

Plant Code	Qty	Size	Botanical Name	Common Name	Spacing	Comments
<b>Trees</b>						
AGO	2	3" CAL.	AESCULUS GLABRA	OHIO BUCKEYE	SEE PLANS	B&B

**LEGEND**

	EXISTING TREES PROTECT TO REMAIN
	RELOCATED TREES
	NEW DECIDUOUS TREES
	PROPOSED SALT TOLERANT SODDING



SCALE: 1" = 20'-0"

FILE NAME =	USER NAME =	DESIGNED —	REVISED —
		DRAWN —	REVISED —
DEFAULT		CHECKED —	REVISED —
		DATE 10/17/2016	REVISED —

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

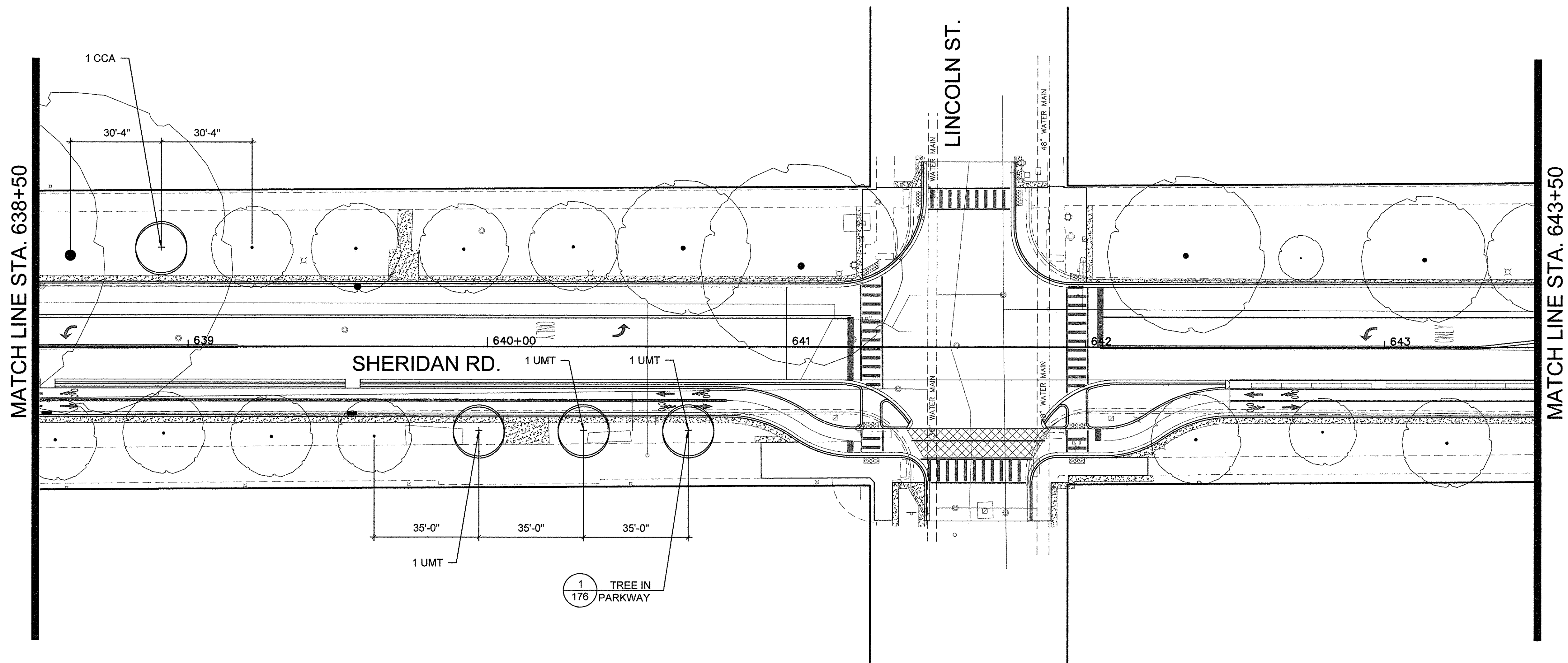
**CHICAGO AVE./ SHERIDAN RD.  
LANDSCAPE PLAN**

SCALE: 1" = 20'-0" SHEET 11 OF 19 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	166
CONTRACT NO. 61D36			ILLINOIS FED. AID PROJECT	

Long Section Number

Multiple County Names

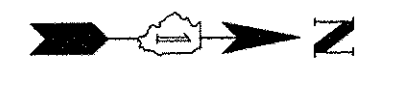


**SHEET 167 PLANT SCHEDULE**

Plant Code	Qty	Size	Botanical Name	Common Name	Spacing	Comments
CCA	1	4" CAL	CERCIS CANADENSIS	EASTERN REDBUD	SEE PLANS	B&B
UMT	3	4" CAL	ULMUS MORTON 'GLOSSY'	TRIUMPH ELM	SEE PLANS	B&B

**LEGEND**

	EXISTING TREES PROTECT TO REMAIN
	RELOCATED TREES
	NEW DECIDUOUS TREES
	PROPOSED SALT TOLERANT SODDING



SCALE: 1" = 20'-0"

FILE NAME	USER NAME	DESIGNED	REVISED
DEFAULT		DRAWN	REVISED
	PLOT SCALE	CHECKED	REVISED
	PLOT DATE	DATE	REVISED
		10/17/2016	

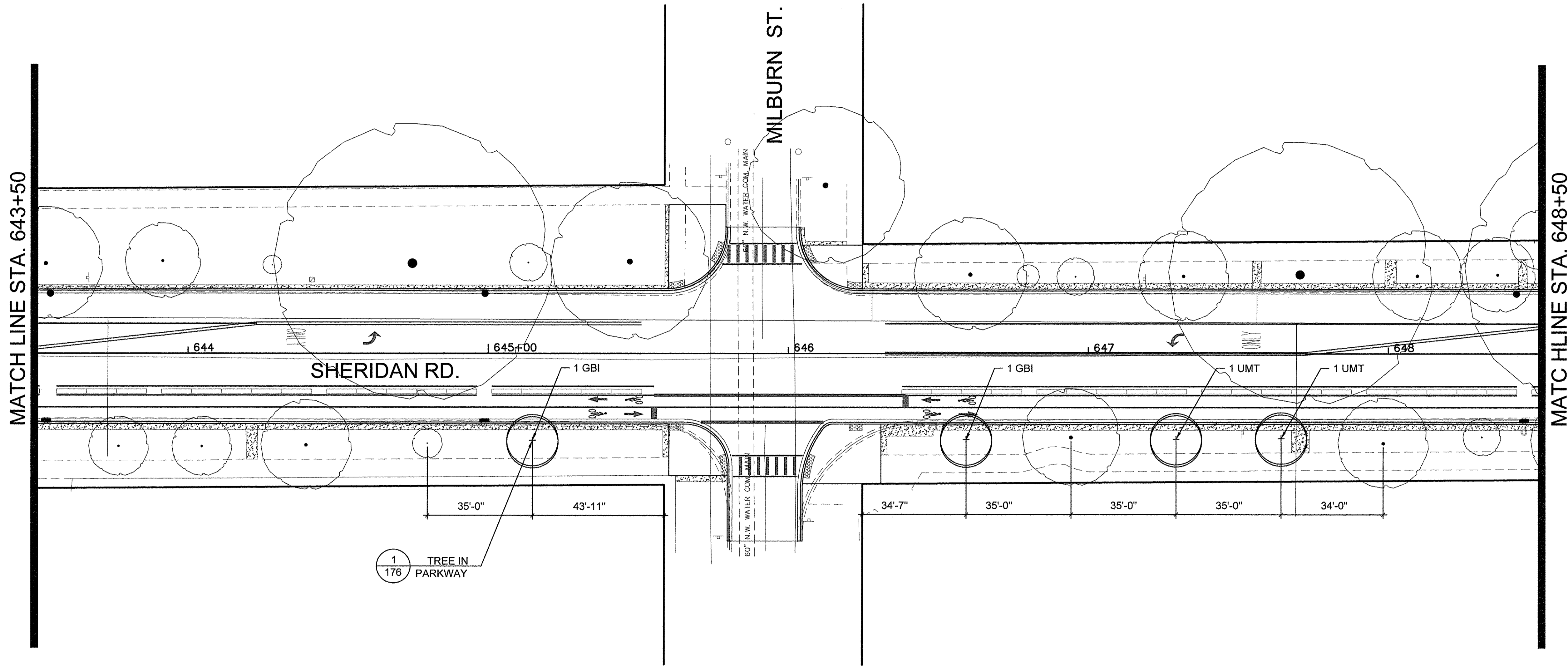
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CHICAGO AVE./ SHERIDAN RD.  
LANDSCAPE PLAN**

SCALE: 1" = 20'-0" SHEET 12 OF 19 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	167
CONTRACT NO. 61D36			ILLINOIS FED. AID PROJECT	

Long Section Number Multiple County Names

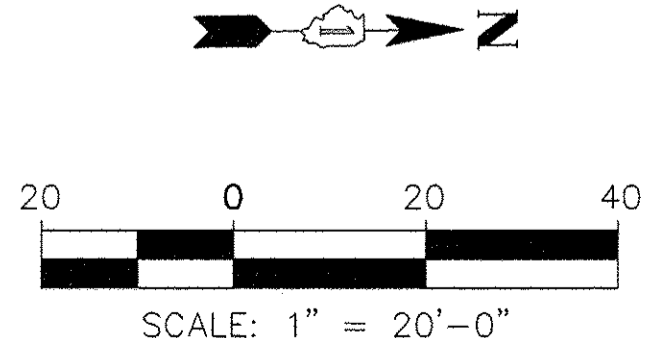


**SHEET 168 PLANT SCHEDULE**

Plant Code	Qty	Size	Botanical Name	Common Name	Spacing	Comments
<b>Trees</b>						
GBI	2	4" CAL.	GINKGO BILOBA	GINKGO	SEE PLANS	B&B
UMT	2	4" CAL.	ULMUS MORTON 'GLOSSY'	TRIUMPH ELM	SEE PLANS	B&B

**LEGEND**

	EXISTING TREES PROTECT TO REMAIN
	RELOCATED TREES
	NEW DECIDUOUS TREES
	PROPOSED SALT TOLERANT SODDING



FILE NAME =	USER NAME =	DESIGNED -	REVISED -
DEFAULT		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE 10/17/2016	REVISED -

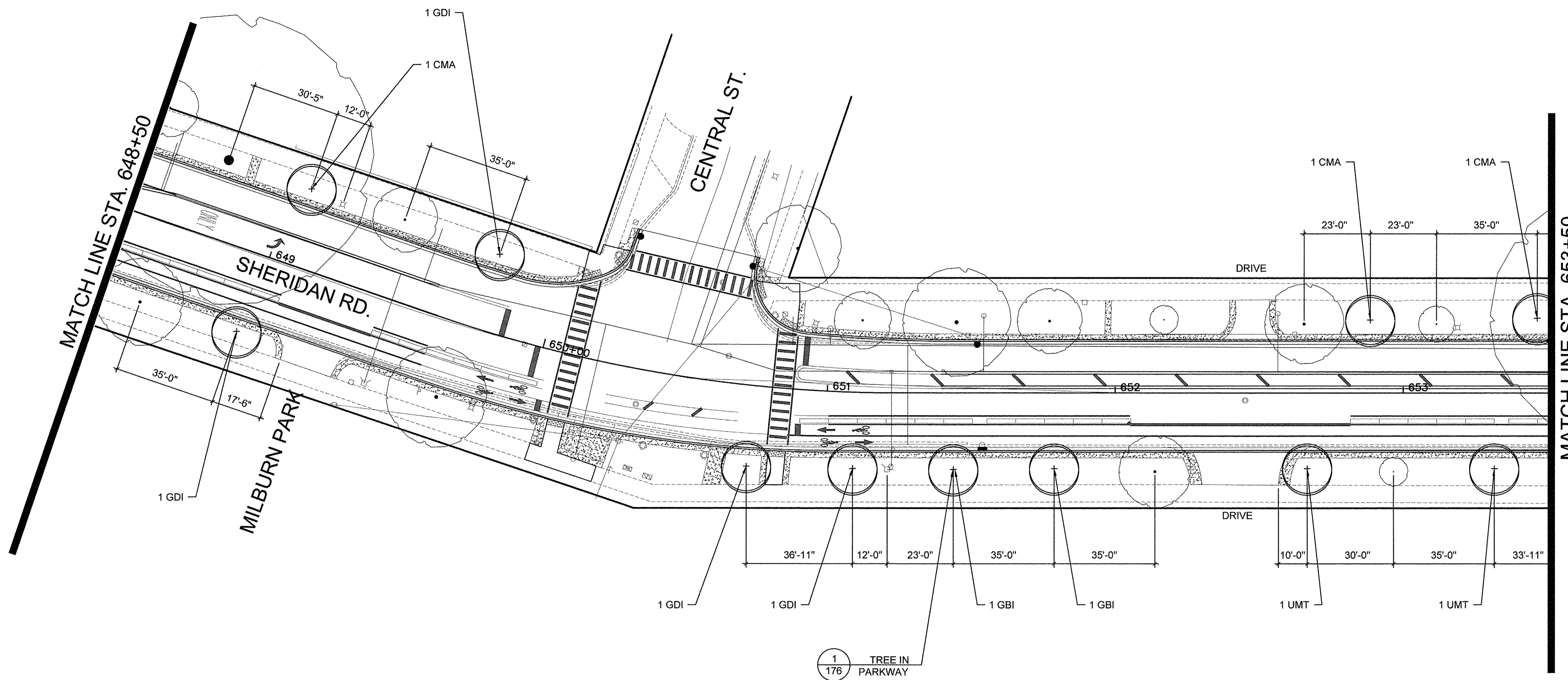
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CHICAGO AVE./ SHERIDAN RD.  
LANDSCAPE PLAN**

SCALE: 1"=20'-0" SHEET 13 OF 19 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	168
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D36	

Long Section Number Multiple County Names

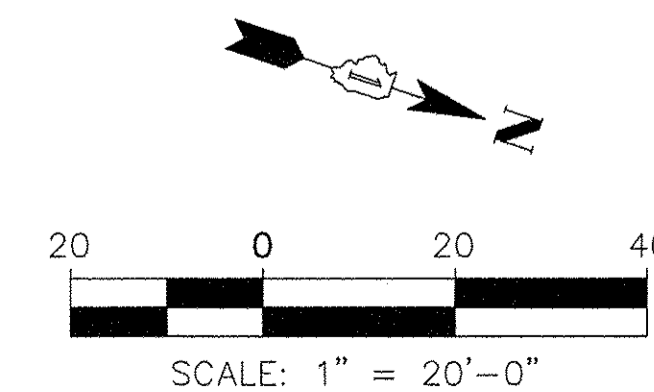


**SHEET 169 PLANT SCHEDULE**

Plant Code	Qty	Size	Botanical Name	Common Name	Spacing	Comments
<b>Trees</b>						
CMA	3	2" CAL.	CORNUS MAS	CORNELIAN CHERRY DOGWOOD	SEE PLANS	B&B
GBI	2	4" CAL.	GINKGO BILOBA	GINKGO	SEE PLANS	B&B
GDI	4	4" CAL.	GYMNOCLADUS DIOICUS	KENTUCKY COFFEETREE	SEE PLANS	B&B
UMT	2	4" CAL.	ULMUS MORTON 'GLOSSY'	TRIUMPH ELM	SEE PLANS	B&B

**LEGEND**

	EXISTING TREES PROTECT TO REMAIN
	RELOCATED TREES
	NEW DECIDUOUS TREES
	PROPOSED SALT TOLERANT SODDING



FILE NAME	USER NAME	DESIGNED	REVISED
DEFAULT		DRAWN	REVISED
	PLOT SCALE	CHECKED	REVISED
	PLOT DATE	DATE	REVISED
		10/17/2016	

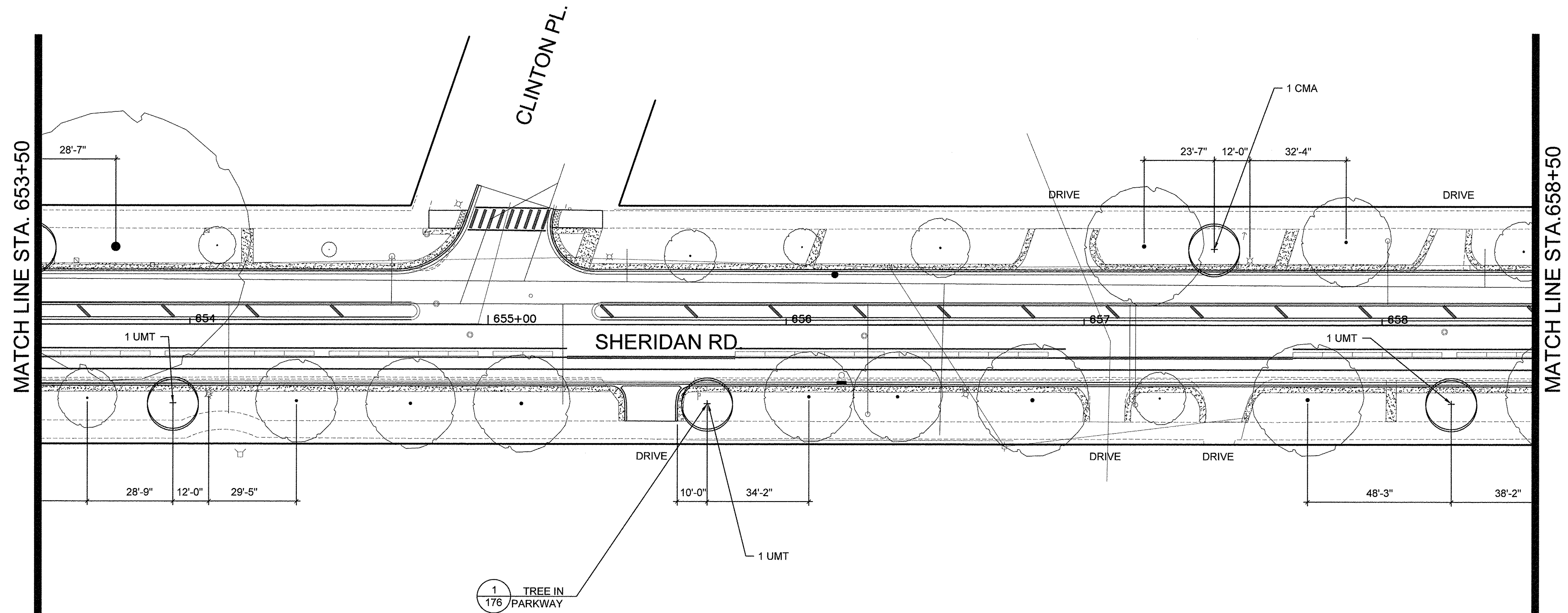
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CHICAGO AVE./ SHERIDAN RD.  
LANDSCAPE PLAN**

SCALE: 1"=20'-0" SHEET 14 OF 19 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	169
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D36	

Long Section Number Multiple County Names

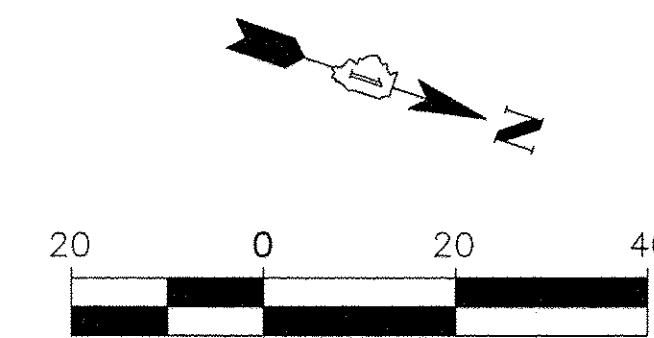


**SHEET 170 PLANT SCHEDULE**

Plant Code	Qty	Size	Botanical Name	Common Name	Spacing	Comments
<b>Trees</b>						
CMA	1	2' CAL.	CORNUS MAS	CORNELIAN CHERRY DOGWOOD	SEE PLANS	B&B
UMT	3	4" CAL.	ULMUS MORTON 'GLOSSY'	TRIUMPH ELM	SEE PLANS	B&B

**LEGEND**

	EXISTING TREES PROTECT TO REMAIN
	RELOCATED TREES
	NEW DECIDUOUS TREES
	PROPOSED SALT TOLERANT SODDING



SCALE: 1" = 20'-0"

FILE NAME =	USER NAME =	DESIGNED --	REVISED --
		DRAWN --	REVISED --
DEFAULT	PLOT SCALE =	CHECKED --	REVISED --
	PLOT DATE =	DATE 10/17/2016	REVISED --

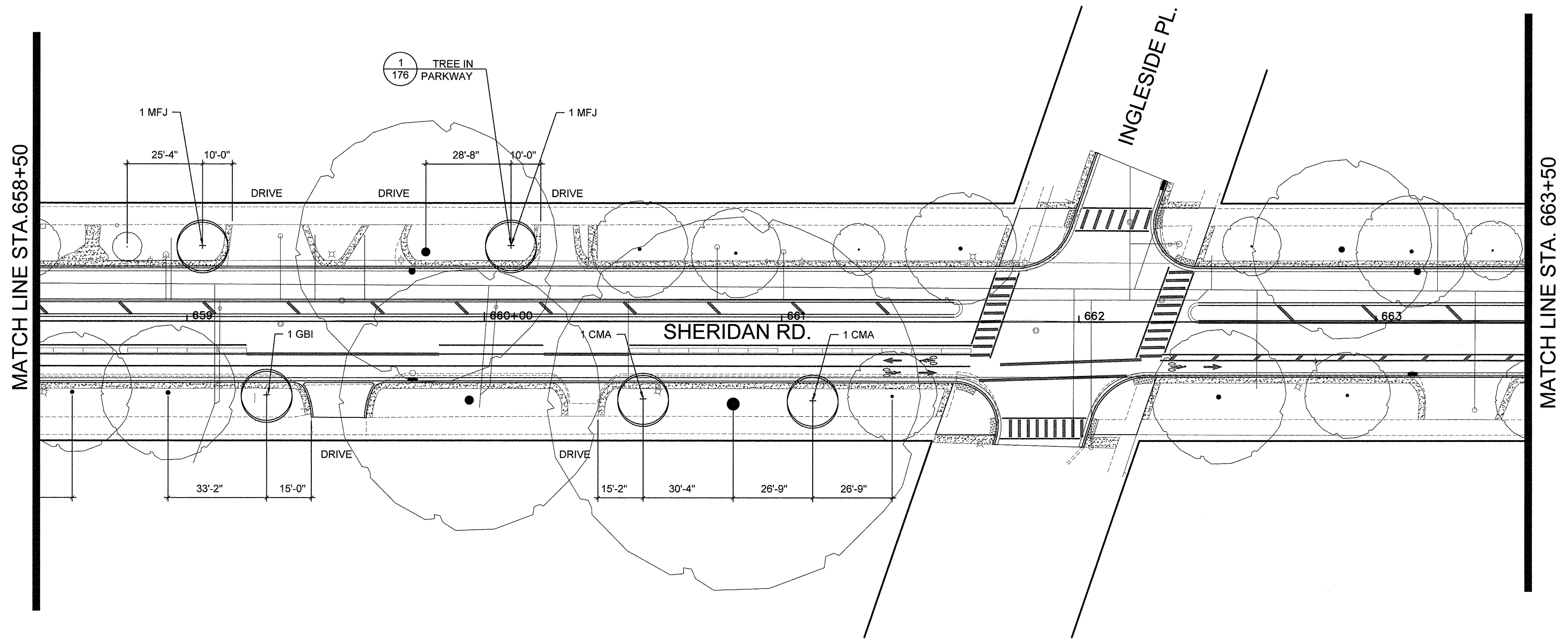
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CHICAGO AVE/ SHERIDAN RD.  
LANDSCAPE PLAN**

SCALE: 1"=20'-0" SHEET 15 OF 19 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	170
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D36	

Long Section Number Multiple County Names

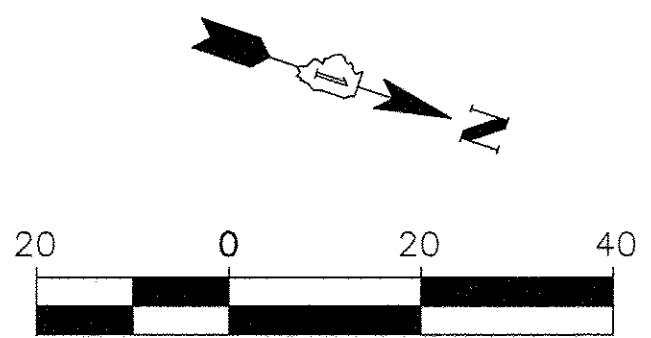


**SHEET 171 PLANT SCHEDULE**

Plant Code	Qty	Size	Botanical Name	Common Name	Spacing	Comments
<b>Trees</b>						
CMA	2	2" CAL.	CORNUS MAS	CORNELIAN CHERRY DOGWOOD	SEE PLANS	B&B
GBI	1	4" CAL.	GINKGO BILOBA	GINKGO	SEE PLANS	B&B
MFJ	2	3.5" CAL.	MALUS FLORIBUNDA	JAPANESE FLOWERING CRABAPPLE	SEE PLANS	B&B

**LEGEND**

	EXISTING TREES PROTECT TO REMAIN
	RELOCATED TREES
	NEW DECIDUOUS TREES
	PROPOSED SALT TOLERANT SODDING



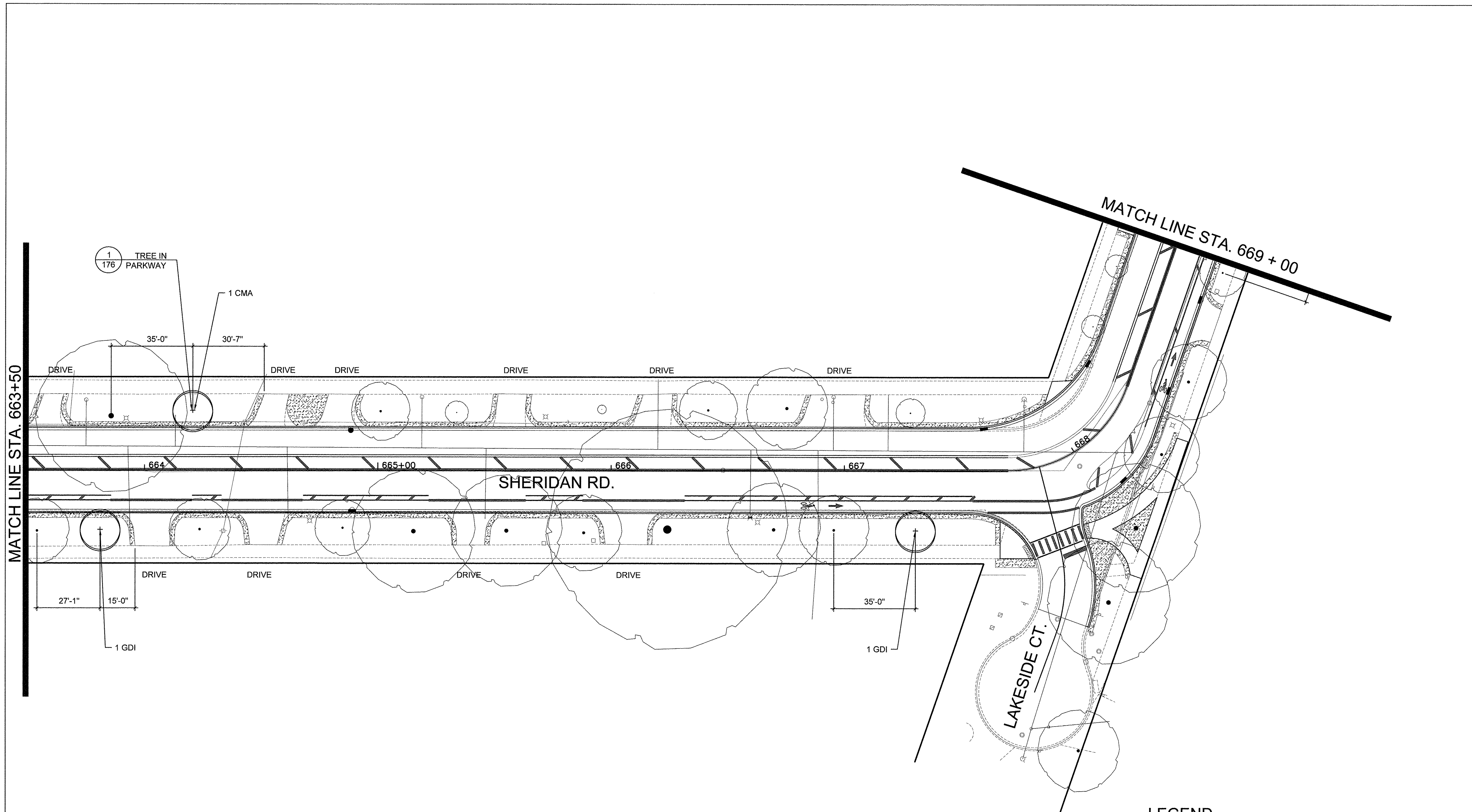
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DEFAULT	PLOT SCALE =	DRAWN --	REVISED --
	PLOT DATE =	CHECKED --	REVISED --
		DATE 10/17/2016	REVISED --

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CHICAGO AVE/ SHERIDAN RD.  
LANDSCAPE PLAN**

SCALE: 1"=20'-0" SHEET 16 OF 19 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	171
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D36	
Long Section Number			Multiple County Names	

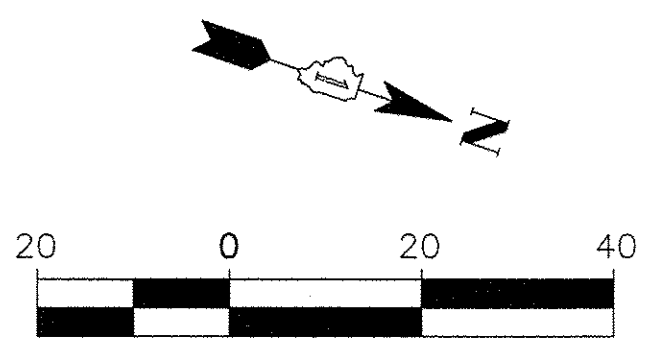


**SHEET 172 PLANT SCHEDULE**

Plant Code	Qty	Size	Botanical Name	Common Name	Spacing	Comments
<b>Trees</b>						
CMA	1	2' CAL.	CORNUS MAS	CORNELIAN CHERRY DOGWOOD	SEE PLANS	B&B
GDI	2	4" CAL.	GYMNOCLADUS DIOICUS	KENTUCKY COFFEETREE	SEE PLANS	B&B

**LEGEND**

	EXISTING TREES PROTECT TO REMAIN
	RELOCATED TREES
	NEW DECIDUOUS TREES
	PROPOSED SALT TOLERANT SODDING



FILE NAME =	USER NAME =	DESIGNED --	REVISED --
		DRAWN --	REVISED --
DEFAULT	PLOT SCALE =	CHECKED --	REVISED --
	PLOT DATE =	DATE 10/17/2016	REVISED --

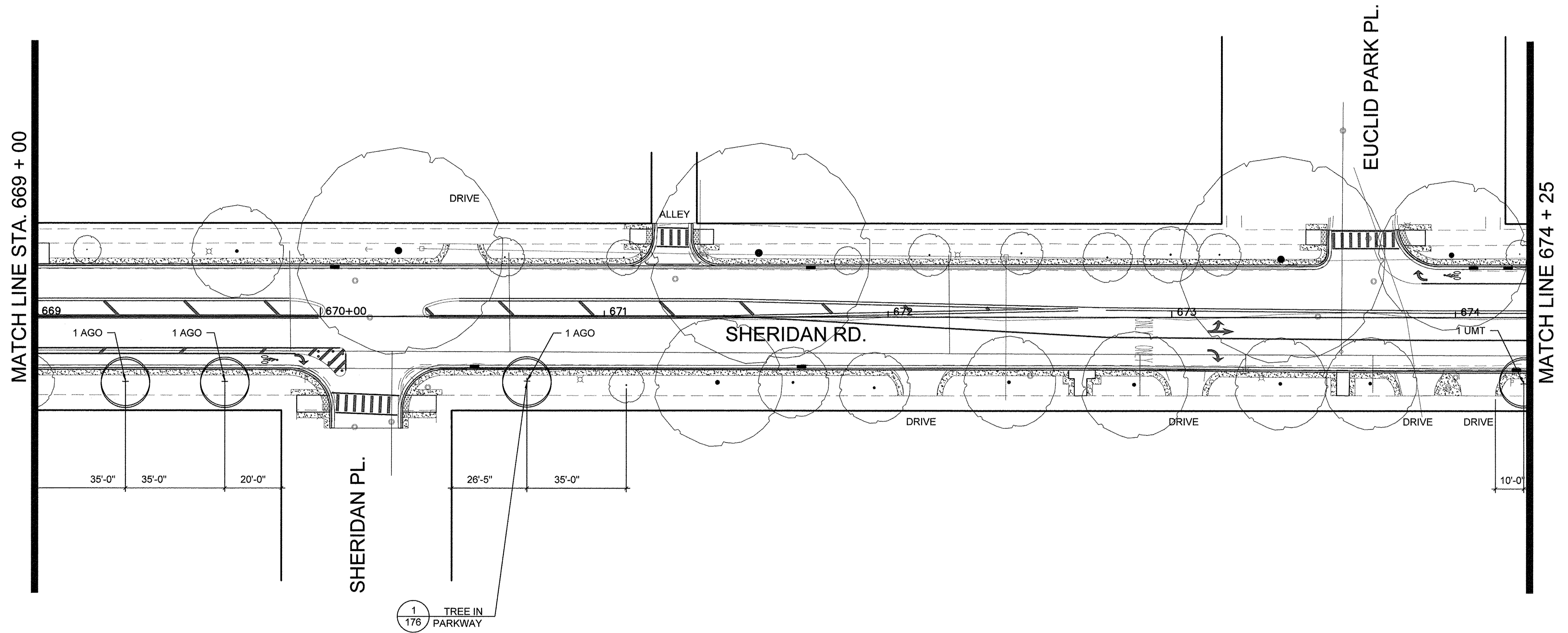
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CHICAGO AVE/ SHERIDAN RD.  
LANDSCAPE PLAN**

SCALE: 1"=20'-0" SHEET 17 OF 19 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	172
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D36	
Long Section Number			Multiple County Names	



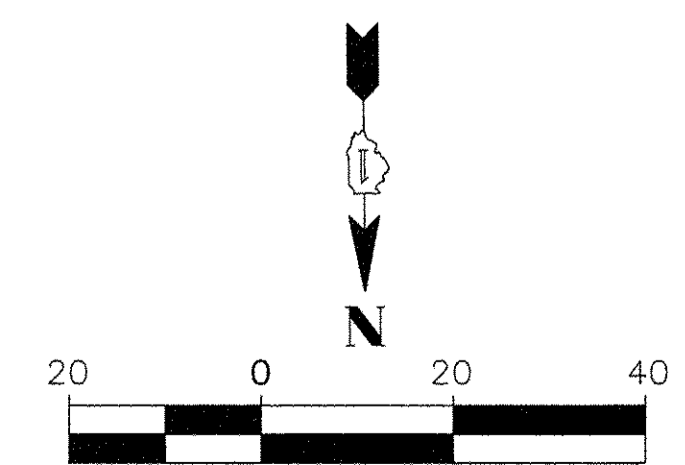


**SHEET 173 PLANT SCHEDULE**

Plant Code	Qty	Size	Botanical Name	Common Name	Spacing	Comments
<b>Trees</b>						
AGO	3	3" CAL.	AESCULUS GLABRA	OHIO BUCKEYE	SEE PLANS	B&B
UMT	1	4" CAL.	ULMUS MORTON 'GLOSSY'	TRIUMPH ELM	SEE PLANS	B&B

**LEGEND**

	EXISTING TREES PROTECT TO REMAIN
	RELOCATED TREES
	NEW DECIDUOUS TREES
	PROPOSED SALT TOLERANT SODDING



FILE NAME =	USER NAME =	DESIGNED --	REVISED --
DEFAULT	PLOT SCALE =	DRAWN --	REVISED --
	PLOT DATE =	CHECKED --	REVISED --
		DATE 10/17/2016	REVISED --

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CHICAGO AVE./ SHERIDAN RD.  
LANDSCAPE PLAN**

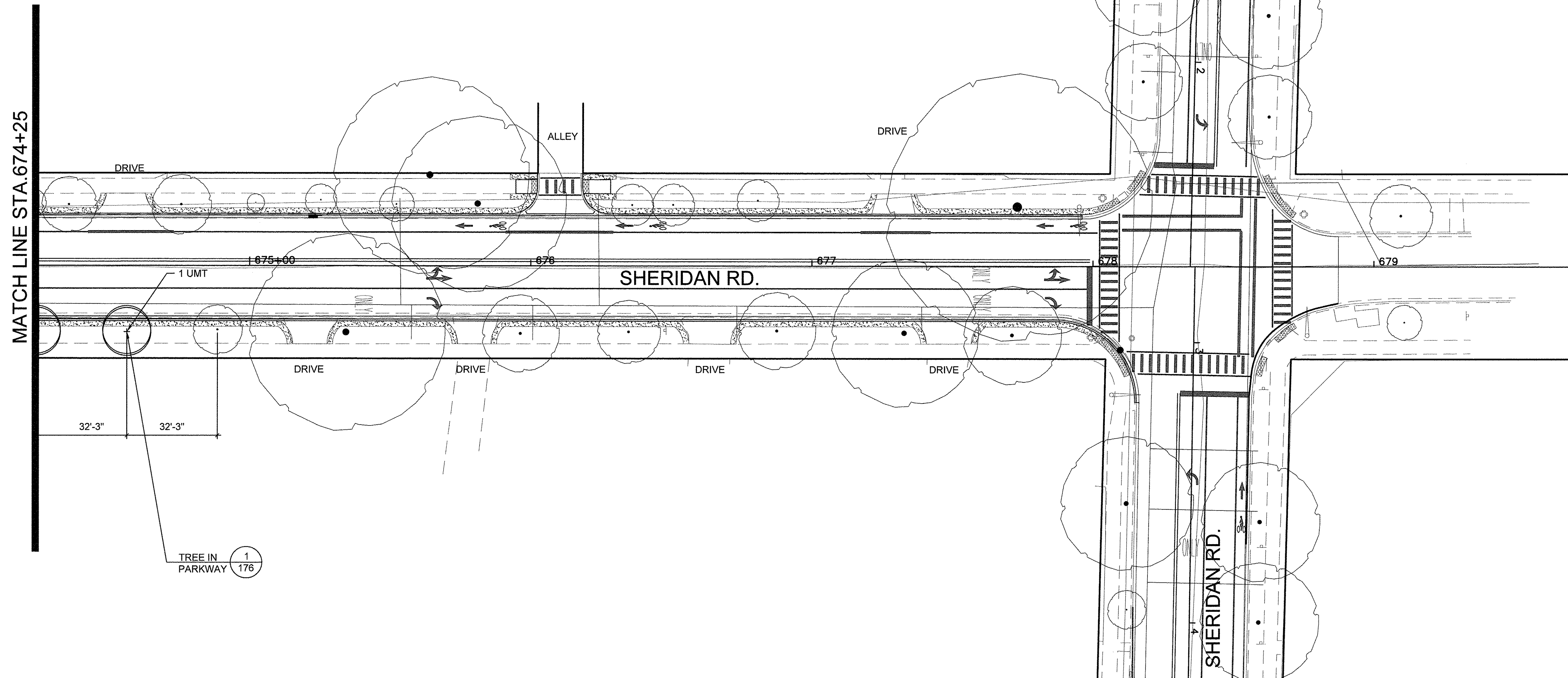
SCALE: 1"=20'-0" SHEET 18 OF 19 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	173
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D36	

Long Section Number Multiple County Names

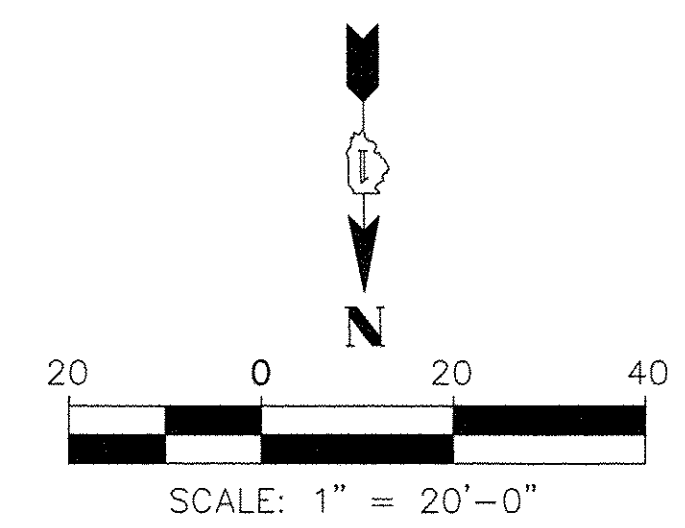
**MASTER PLANT SCHEDULE**

Plant Code	Qty	Size	Botanical Name	Common Name	Spacing	Comments
<b>Trees</b>						
AGO	11	3" CAL.	AESCULUS GLABRA	OHIO BUCKEYE	SEE PLANS	B&B
CCA	8	4" CAL.	CERCIS CANADENSIS	EASTERN REDBUD	SEE PLANS	B&B
CMA	7	2" CAL.	CORNUS MAS	CORNELIAN CHERRY DOGWOOD	SEE PLANS	B&B
GBI	11	4" CAL.	GINKGO BILOBA	GINKGO	SEE PLANS	B&B
GDI	16	4" CAL.	GYMNOCLADUS DIOICUS	KENTUCKY COFFEETREE	SEE PLANS	B&B
MFJ	2	3.5" CAL.	MALUS FLORIBUNDA	JAPANESE FLOWERING CRABAPPLE	SEE PLANS	B&B
PAB	10	4" CAL.	PLATANUS ACERIFOLIA 'BLOODGOOD'	BLOODGOOD LONDON PLANETREE	SEE PLANS	B&B
UMT	14	4" CAL.	ULMUS MORTON 'GLOSSY'	TRIUMPH ELM	SEE PLANS	B&B



**LEGEND**

- EXISTING TREES PROTECT TO REMAIN
- RELOCATED TREES
- NEW DECIDUOUS TREES
- PROPOSED SALT TOLERANT SODDING



**SHEET 174 PLANT SCHEDULE**

Plant Code	Qty	Size	Botanical Name	Common Name	Spacing	Comments
<b>Trees</b>						
UMT	1	4" CAL.	ULMUS MORTON 'GLOSSY'	TRIUMPH ELM	SEE PLANS	B&B

FILE NAME =	USER NAME =	DESIGNED --	REVISED --
DEFAULT	PLOT SCALE =	DRAWN --	REVISED --
	PLOT DATE =	CHECKED --	REVISED --
		DATE 10/17/2016	REVISED --

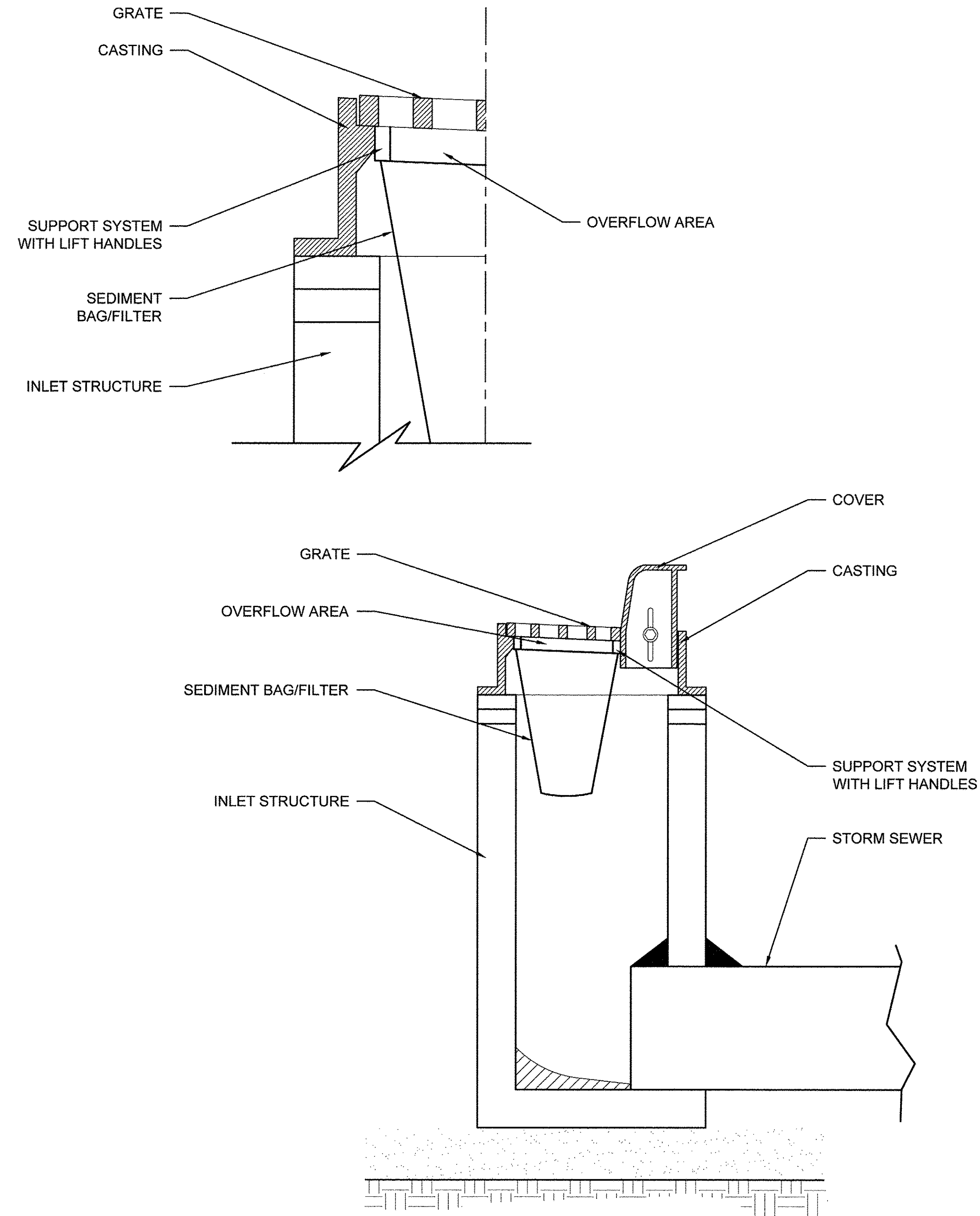
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CHICAGO AVE./ SHERIDAN RD.  
LANDSCAPE PLAN**

SCALE: 1" = 20'-0" SHEET 19 OF 19 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	174
CONTRACT NO. 61D36				

ILLINOIS FED. AID PROJECT Multiple County Names



1 EROSION CONTROL BLANKET  
NTS

FILE NAME =	USER NAME =	DESIGNED --	REVISED --
		DRAWN --	REVISED --
DEFAULT	PLOT SCALE =	CHECKED --	REVISED --
	PLOT DATE =	DATE 10/17/2016	REVISED --

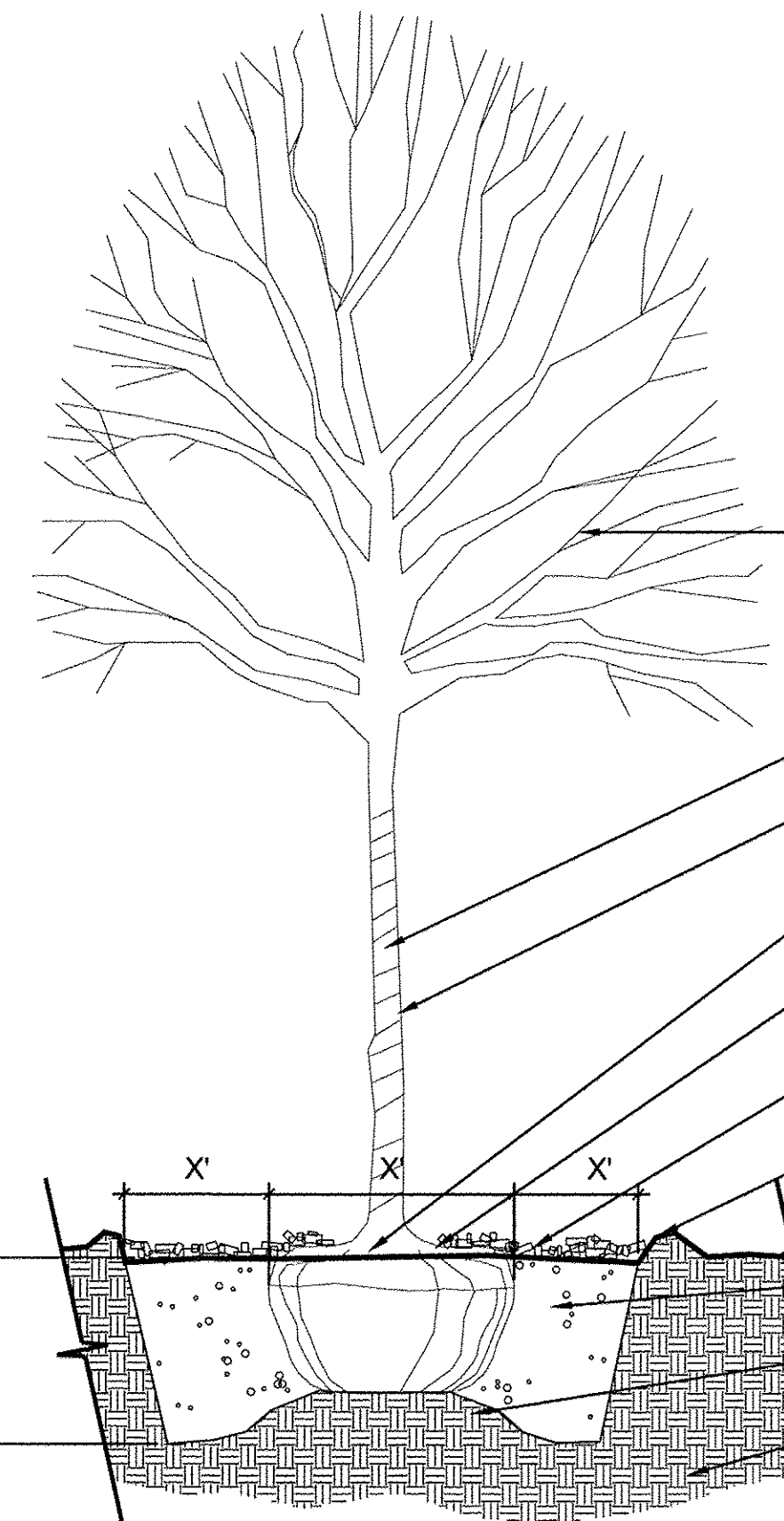
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CHICAGO AVE./ SHERIDAN RD.  
LANDSCAPE DETAILS

SCALE: 1"=20'-0" SHEET 1 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	175
CONTRACT NO. 61D36				

Long Section Number Multiple County Names



NOTES:  
 ALL PRUNING OF NEW TREES MUST BE DONE PRIOR TO PLANTING WHILE TREE IS ON ITS SIDE AND AT THE DIRECTION OF THE LANDSCAPE ARCHITECT.

WHEN SOIL CONDITIONS ARE ENCOUNTERED WITH POOR DRAINAGE, NOTIFY LANDSCAPE ARCHITECT, ELABORATE AND PREPARE RECOMMENDATIONS. SEE SPECIFICATIONS FOR DRAINAGE REQUIREMENTS FOR ALL TREES AND SHRUBS ON THIS PROJECT.

PRUNE DAMAGED & BROKEN BRANCHES AND TWIGS AS INDICATED BY GROWTH HABIT. DO NOT CUT LEADERS & TERMINAL BUDS. ALL PRUNING SHALL BE PERFORMED BY A CERTIFIED ARBORIST.

- SET TREE PLUMB IN CENTER OF PIT.
- TREE WRAP, FALL PLANTINGS ONLY. REMOVE WRAP IN FOLLOWING LATE WINTER/EARLY SPRING.
- REMOVE BASKET WIRE, ROPES, AND BURLAP FROM TOP 1/3 OF ROOT BALL.
- SET TOP OF ROOT BALL 2" HIGHER THAN FINISHED GRADE.
- 3" SHREDDED HARDWOOD MULCH WITHIN SAUCER. DO NOT PLACE MULCH AGAINST TRUNKS OR STEMS.
- CONSTRUCT A 3" SAUCER WITH SOIL 4' IN DIAMETER.
- FINISHED GRADE
- TOPSOIL
- 6" MOUND OF EXISTING SUBGRADE
- EXISTING SUBGRADE

1 TYPICAL TREE PLANTING IN PARKWAY CROSS SECTION  
 3/8" = 1'-0"

FILE NAME =	USER NAME =	DESIGNED --	REVISED --
		DRAWN --	REVISED --
DEFAULT	PLOT SCALE =	CHECKED --	REVISED --
	PLOT DATE =	DATE 10/17/2016	REVISED --

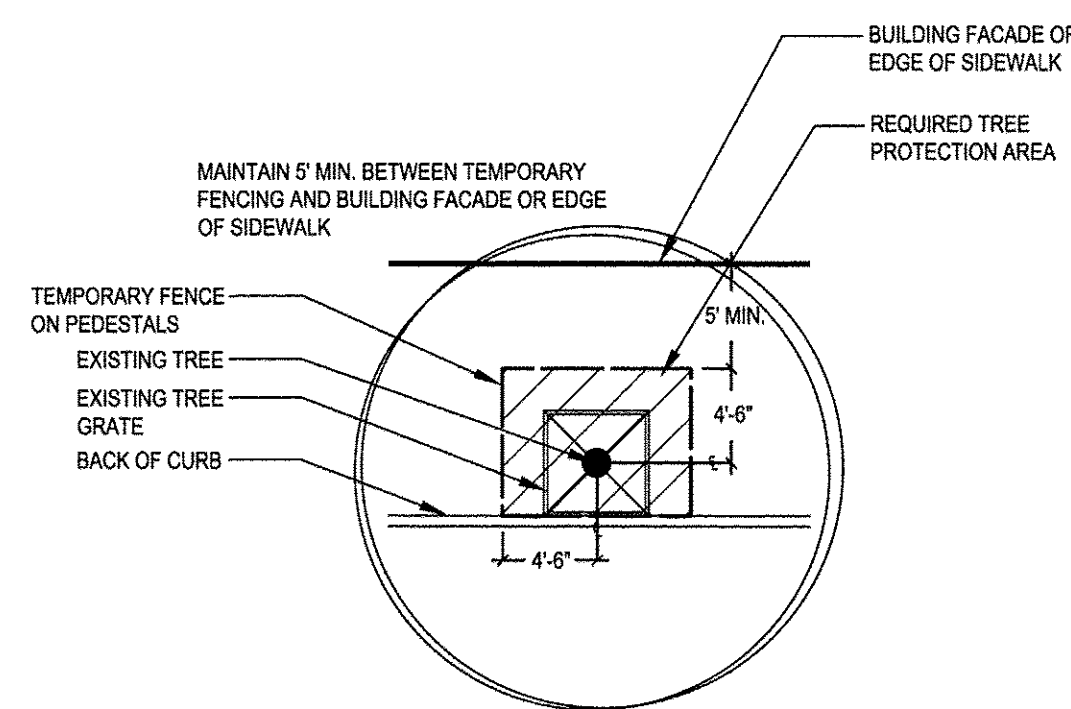
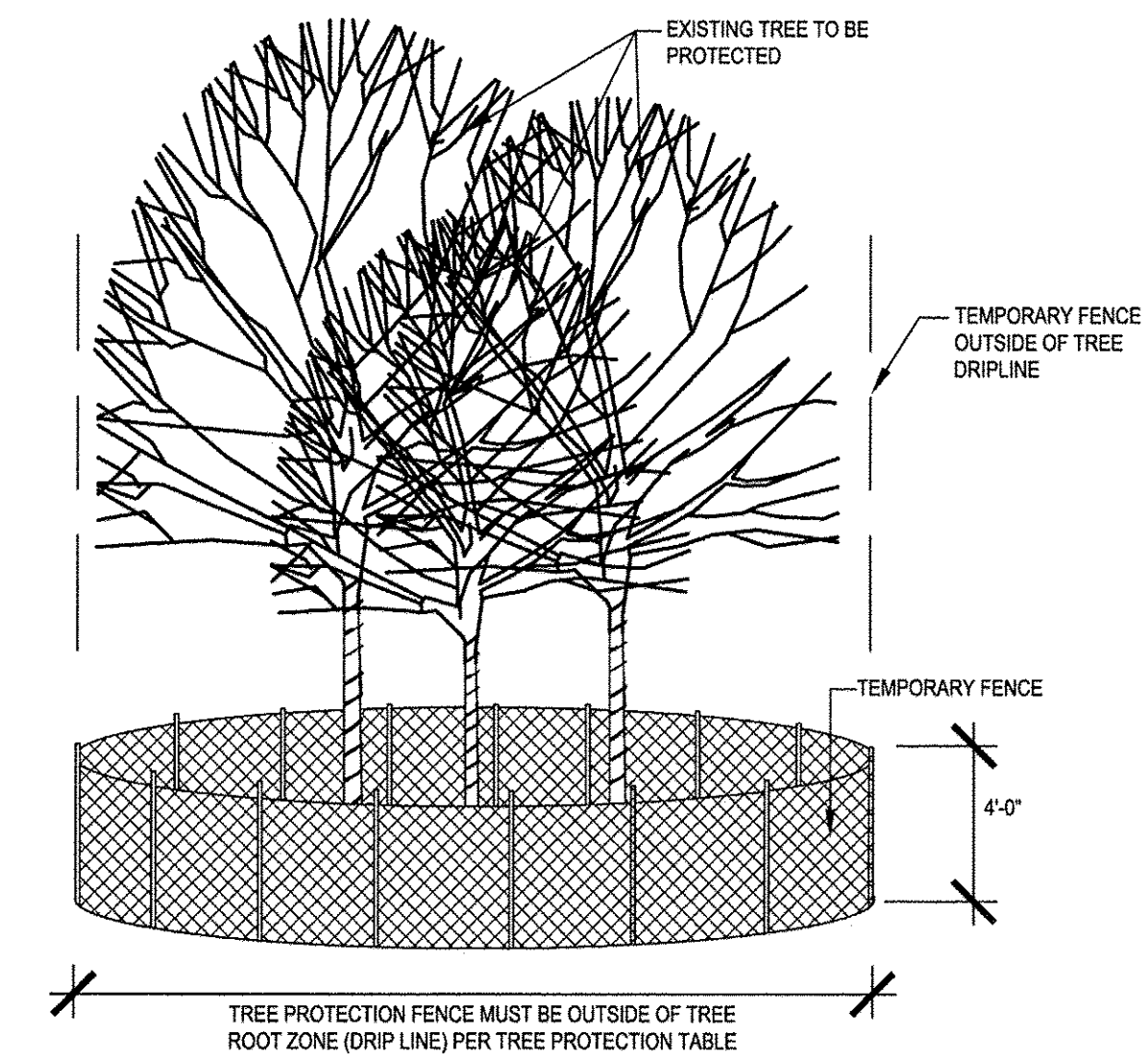
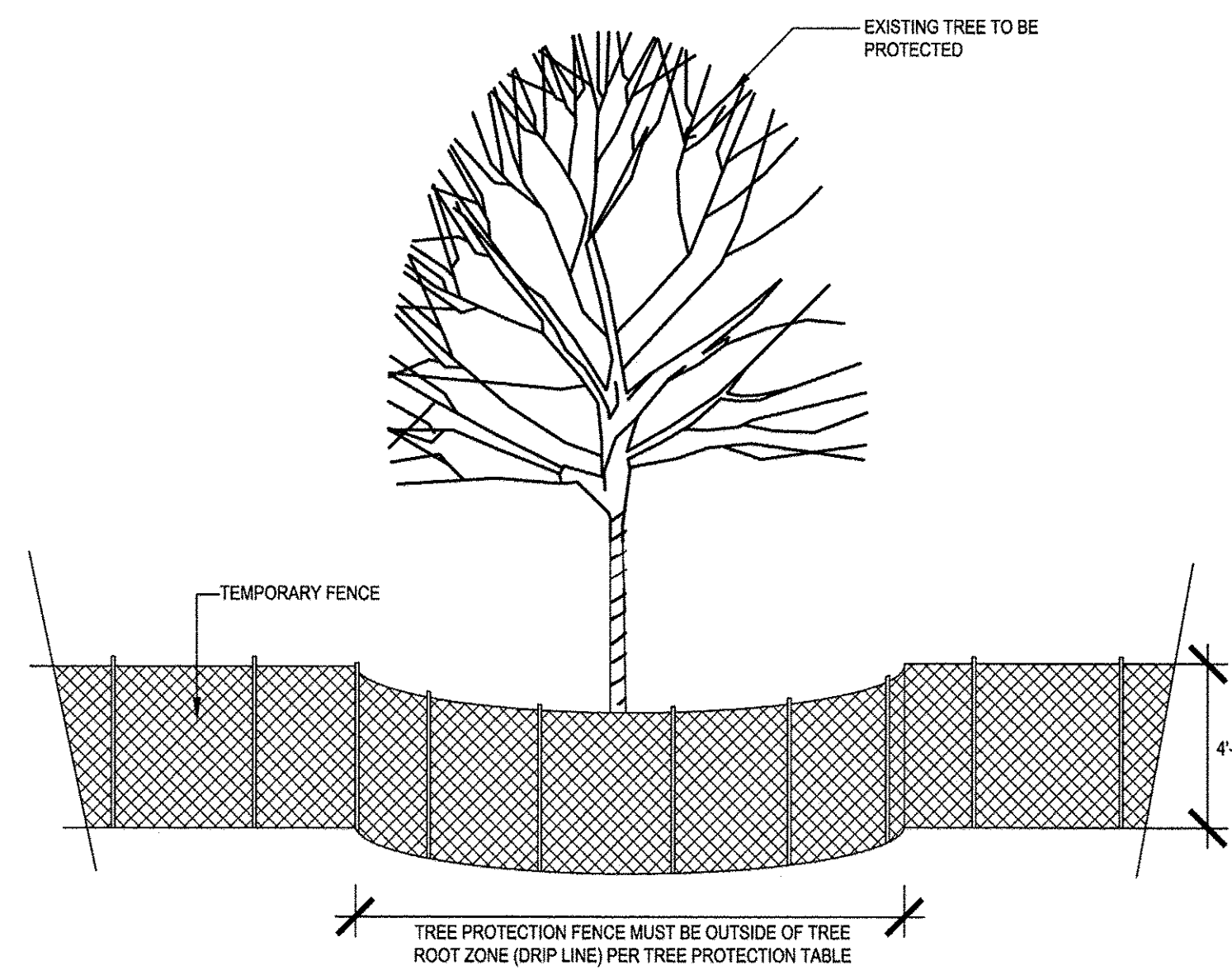
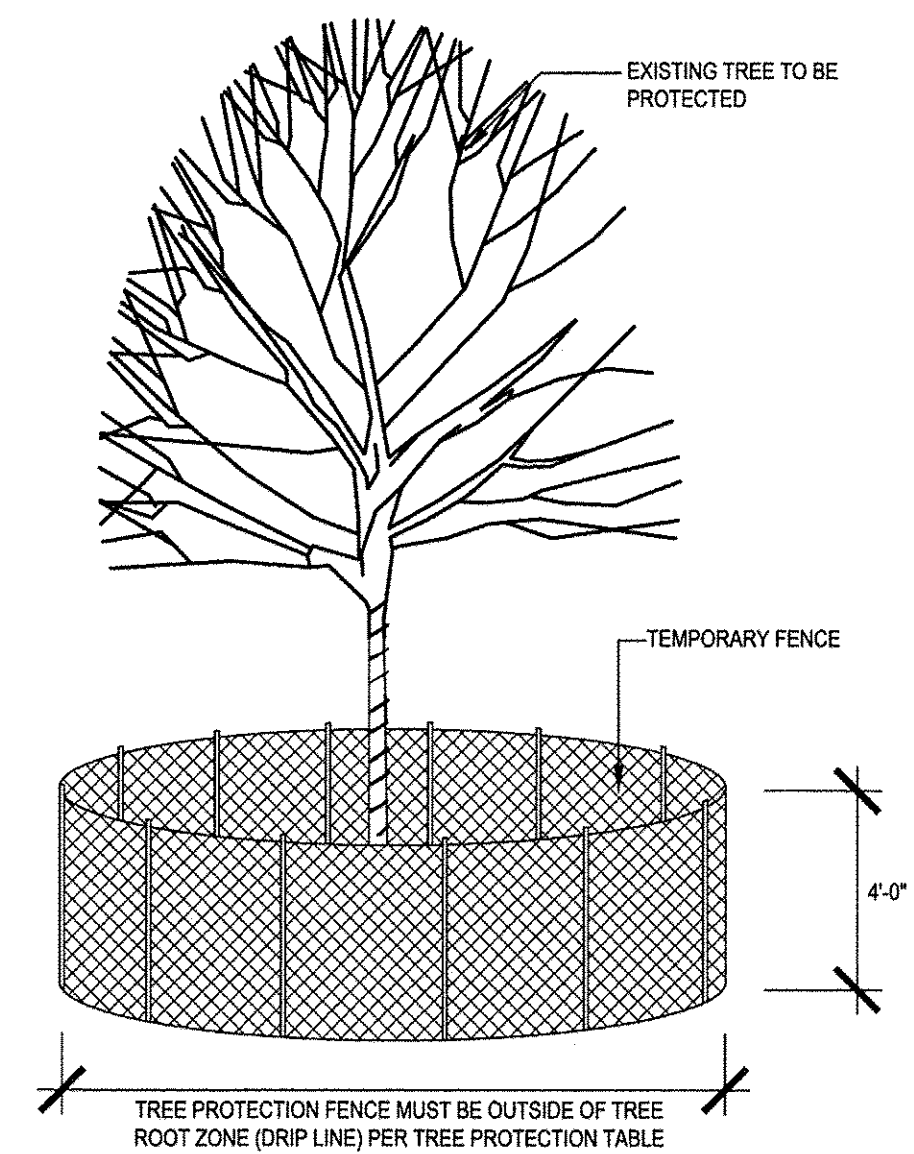
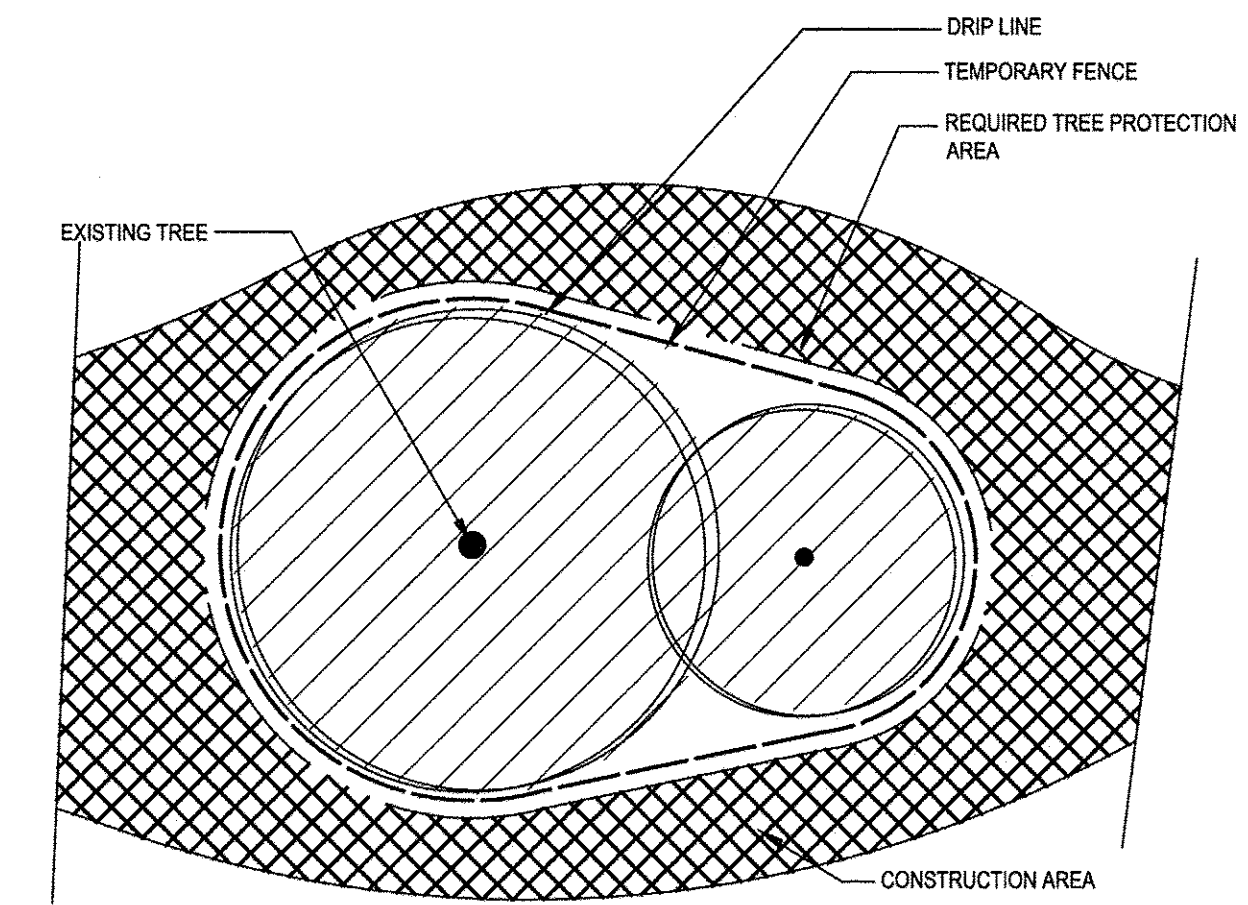
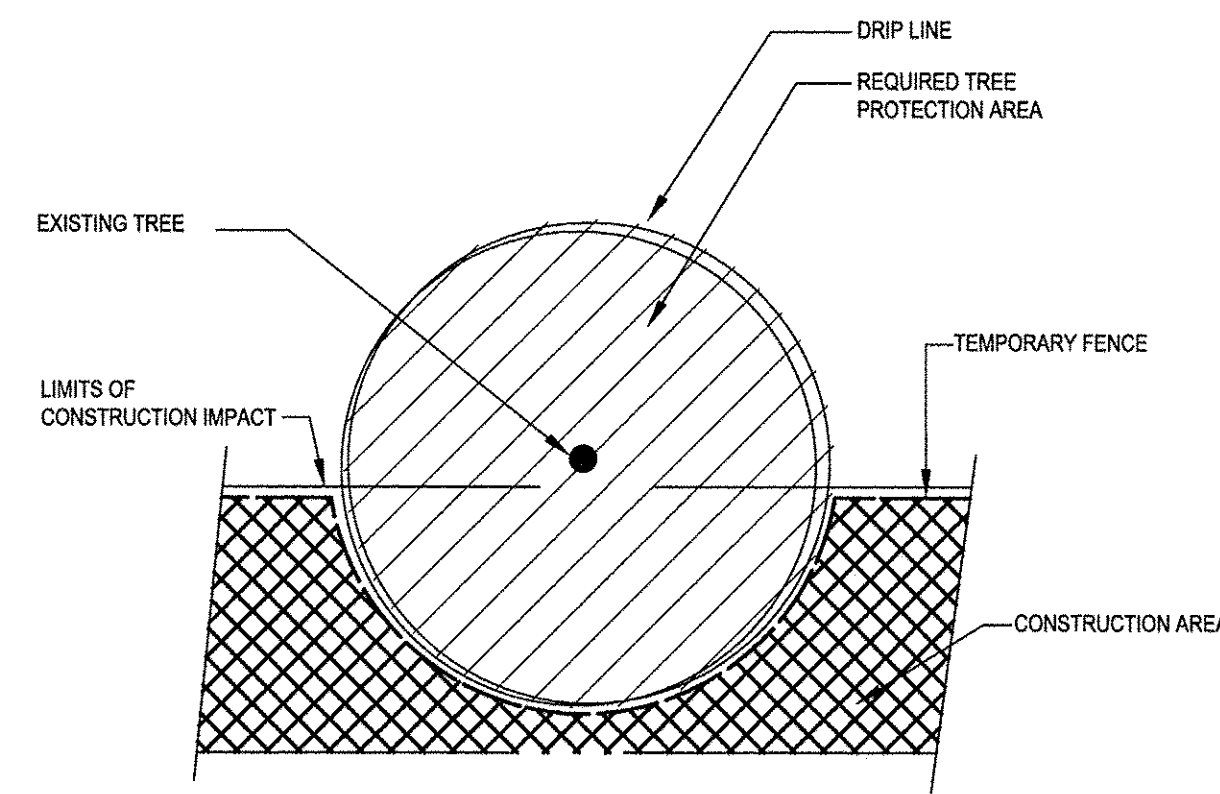
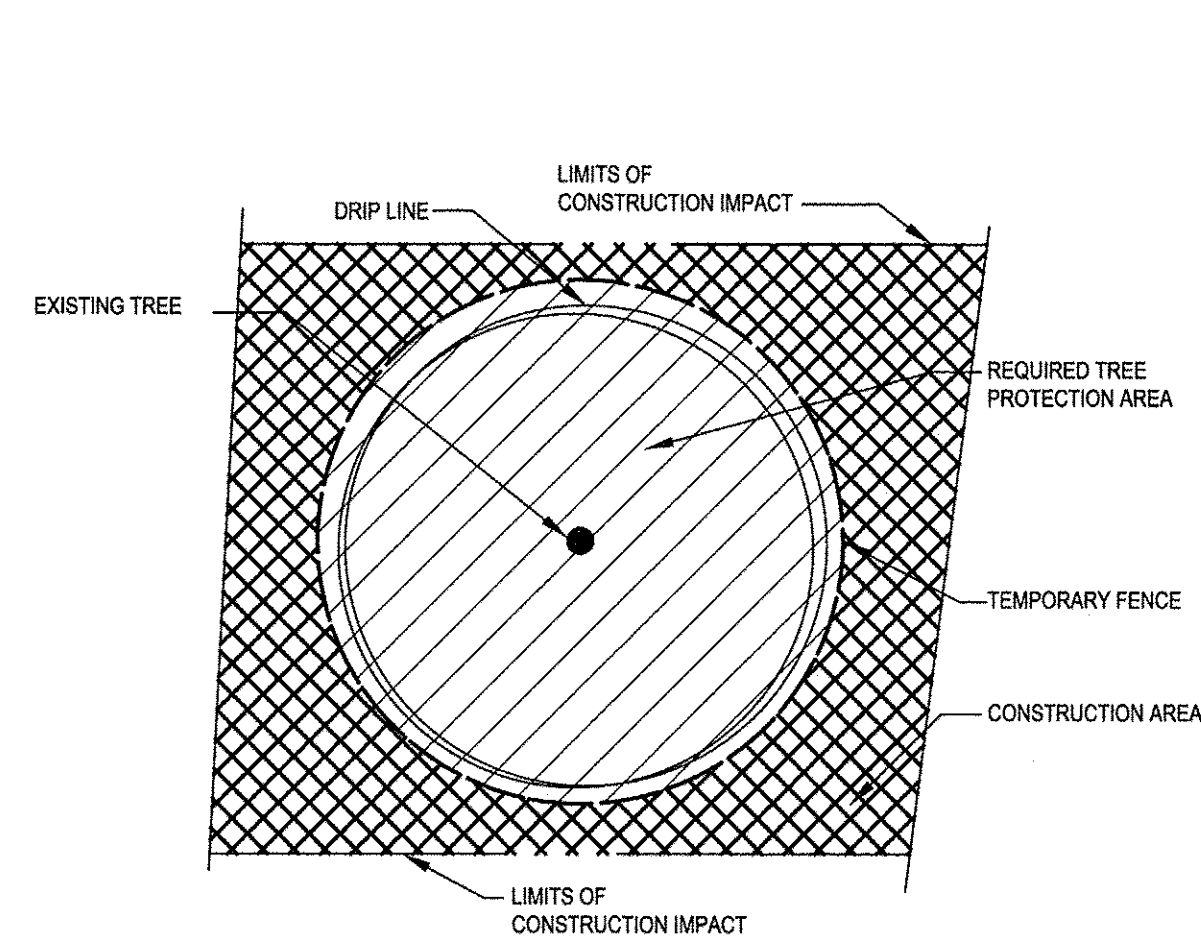
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CHICAGO AVE./ SHERIDAN RD.  
 LANDSCAPE DETAILS**

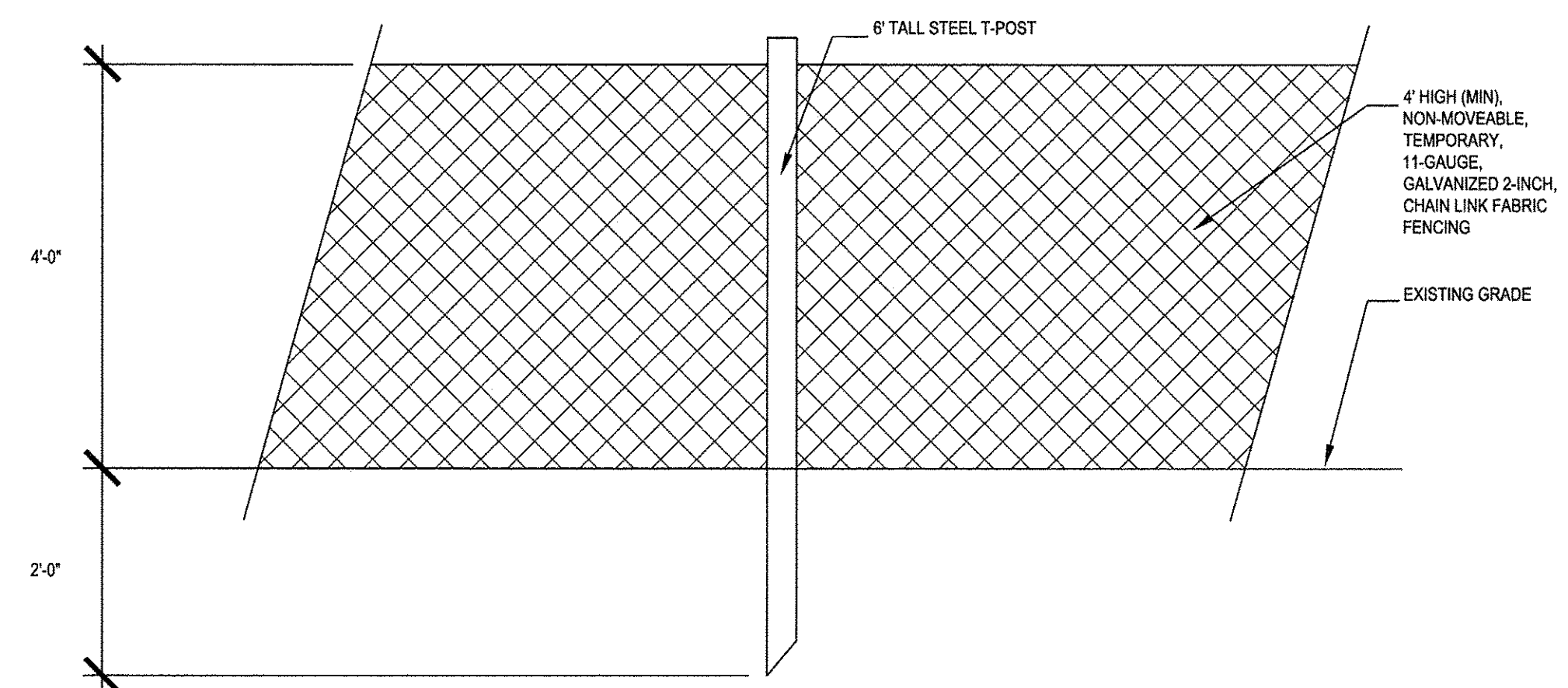
SCALE: 1" = 20'-0" SHEET 2 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	176
			CONTRACT NO. 61D36	
			ILLINOIS FED. AID PROJECT	

Long Section Number Multiple County Names



TREE PROTECTION	MEASURED TREE CALIPER	RADIUS OF TREE PROTECTION FENCE AT EDGE OF DRIP LINE
PROTECTED PARKWAY AREA	VARIABLES	NONE, TREE PROTECTED BY TEMPORARY FENCE AT PROTECTION LIMITS
TREE WITH DRIP LINE INTERSECTING THE TEMPORARY FENCE/ROOTPRUNED	0 CM -20.3 CM (0-8")	MINIMUM 2.44M (8') OR AS APPROVED BY THE CITY OF EVANSTON OR THE LANDSCAPE ARCHITECT AT THE DISCRETION OF THE CITY OF EVANSTON
TREE WITH DRIP LINE INTERSECTING THE TEMPORARY FENCE/ROOTPRUNED	>20.3 CM-63.5 CM (>8"-25")	0.3048M (1") RADIUS FENCE FOR EACH 2.54CM (1") CALIPER OR AS APPROVED BY THE CITY OF EVANSTON OR THE LANDSCAPE ARCHITECT AT THE DISCRETION OF THE CITY OF EVANSTON
TREE WITH DRIP LINE INTERSECTING THE TEMPORARY FENCE/ROOTPRUNED	>63.5 CM (>25")	MINIMUM 2.44 (8') OR AS APPROVED BY THE CITY OF EVANSTON OR THE LANDSCAPE ARCHITECT AT THE DISCRETION OF THE CITY OF EVANSTON



**1** TREE PROTECTION DETAIL  
NTS

FILE NAME	USER NAME	DESIGNED	REVISED
DEFAULT	PLOT SCALE	CHECKED	REVISED
	PLOT DATE	DATE	REVISED
		10/17/2016	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CHICAGO AVE/ SHERIDAN RD.  
LANDSCAPE DETAILS

SCALE: 1"= 20'-0" SHEET 3 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2853	14-00273-00-BT	COOK	274	177
CONTRACT NO.			61D36	

# TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE			SIGNAL HEAD		
COMMUNICATION CABINET			-ROUND			-(P) PROGRAMMABLE SIGNAL HEAD		
MASTER CONTROLLER			HEAVY DUTY HANDHOLE -SQUARE			SIGNAL HEAD WITH BACKPLATE		
MASTER MASTER CONTROLLER			-ROUND			-(P) PROGRAMMABLE SIGNAL HEAD		
UNINTERRUPTABLE POWER SUPPLY			DOUBLE HANDHOLE			-(RB) RETROREFLECTIVE BACKPLATE		
SERVICE INSTALLATION -(P) POLE MOUNTED			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
SERVICE INSTALLATION -(G) GROUND MOUNTED			RAILROAD CANTILEVER MAST ARM			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
-(GM) GROUND MOUNTED METERED			RAILROAD FLASHING SIGNAL			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
TELEPHONE CONNECTION			RAILROAD CROSSING GATE			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CROSSBUCK			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
ALUMINUM MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			COAXIAL CABLE		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			VENDOR CABLE		
WOOD POLE			SYSTEM ITEM	S	SP	COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
GUY WIRE			INTERSECTION ITEM	I	IP	FIBER OPTIC CABLE -NO. 62.5/125, MM12F		
SIGNAL HEAD			REMOVE ITEM		R	-NO. 62.5/125, MM12F SM12F		
SIGNAL HEAD WITH BACKPLATE			RELOCATE ITEM		RL	-NO. 62.5/125, MM12F SM24F		
SIGNAL HEAD OPTICALLY PROGRAMMED			ABANDON ITEM		A	GROUND ROD		
FLASHER INSTALLATION -(FS) SOLAR POWERED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED		RCF	-(C) CONTROLLER		
			MAST ARM POLE AND FOUNDATION TO BE REMOVED		RMF	-(M) MAST ARM		
			SIGNAL POST AND FOUNDATION TO BE REMOVED		RPF	-(P) POST		
			DETECTOR LOOP, TYPE I			-(S) SERVICE		
PEDESTRIAN SIGNAL HEAD			PREFORMED DETECTOR LOOP					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			SAMPLING (SYSTEM) DETECTOR					
RADAR DETECTION SENSOR			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
VIDEO DETECTION CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			WIRELESS DETECTOR SENSOR					
PAN, TILT, ZOOM (PTZ) CAMERA			WIRELESS ACCESS POINT					
EMERGENCY VEHICLE LIGHT DETECTOR								
CONFIRMATION BEACON								
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

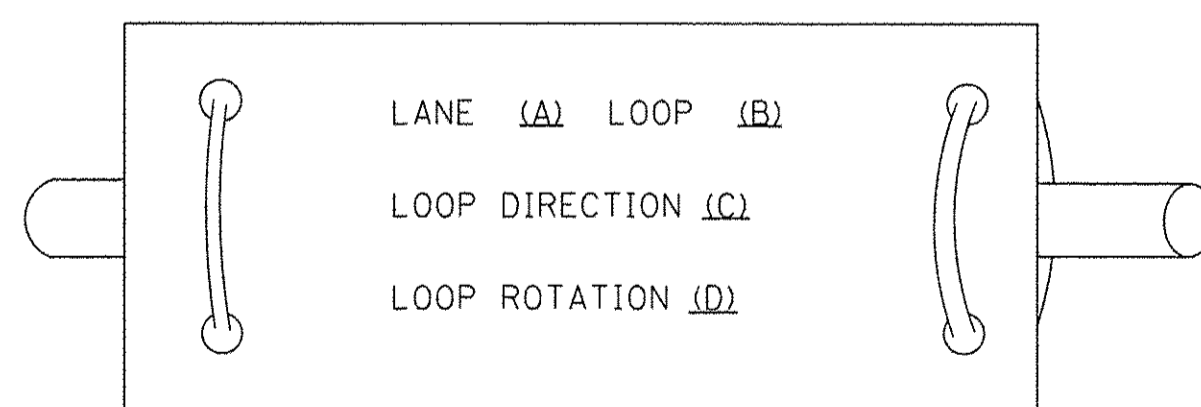
TS SHT NO. 1

FILE NAME =	USER NAME = plascencia	DESIGNED - IP	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>	F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\WP\Design\Ioven\SamplePlans-DO.NOT.U	E:\DGNFiles\Legend_06-08-16.dgn	DRAWN - IP	REVISED -			2853	14-00273-00-BT	COOK	274	178
Default	PLOT SCALE = 100.0000' / in.	CHECKED - LP	REVISED -				<b>TS-05</b>	<b>CONTRACT NO. 61D36</b>		
	PLOT DATE = 6/10/2016	DATE - 6/8/2016	REVISED -			SCALE: NONE	SHEET 1	OF 7 SHEETS	STA.	TO STA.
										ILLINOIS FED. AID PROJECT

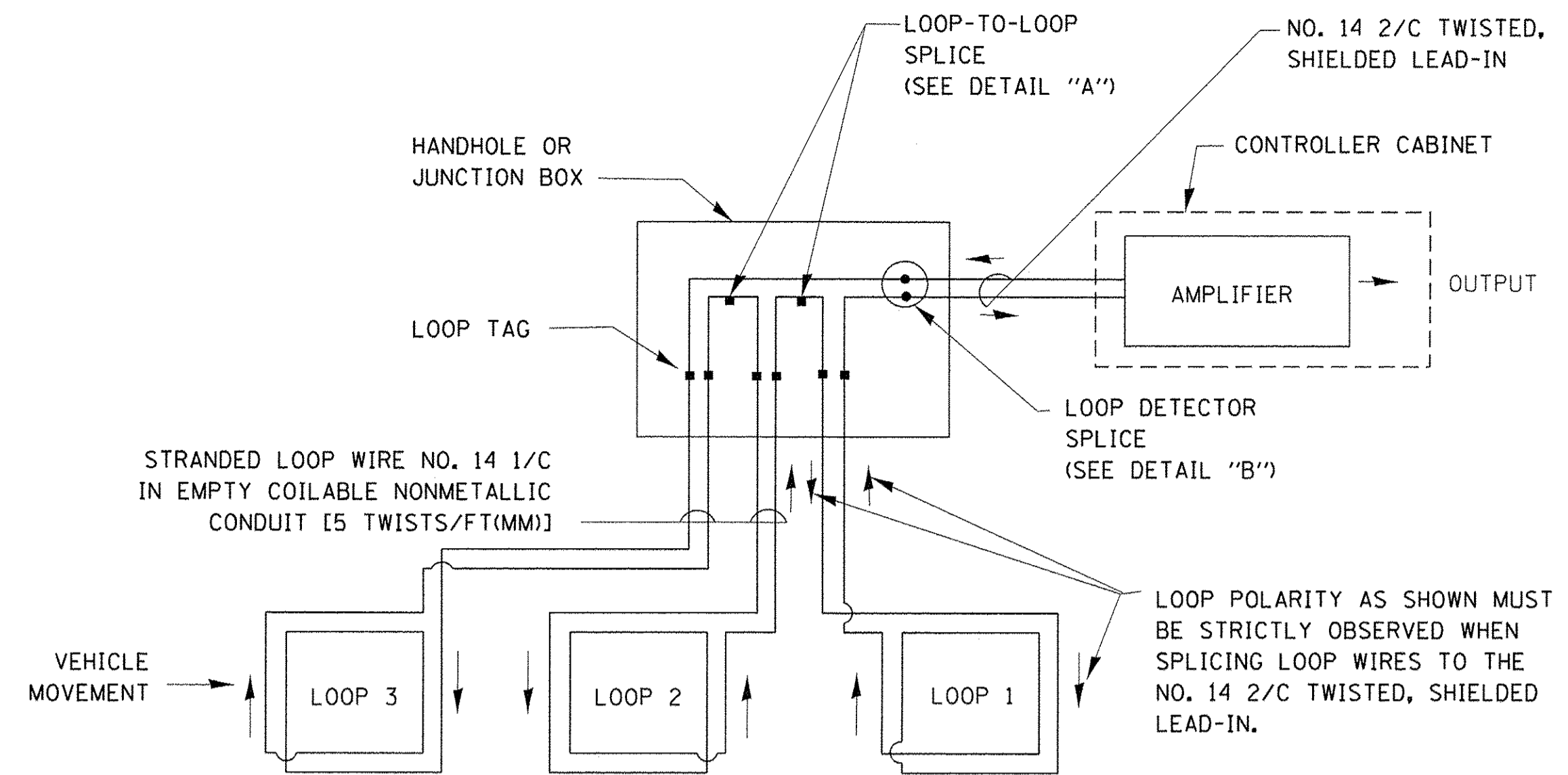
**LOOP DETECTOR NOTES**

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

**LOOP LEAD-IN CABLE TAG**

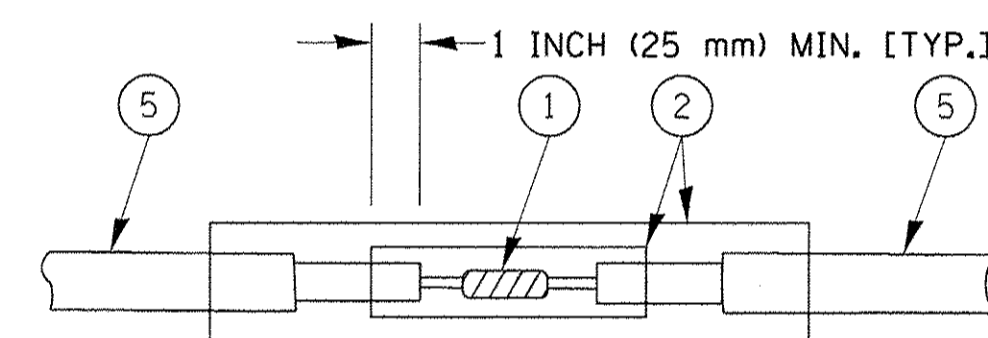


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

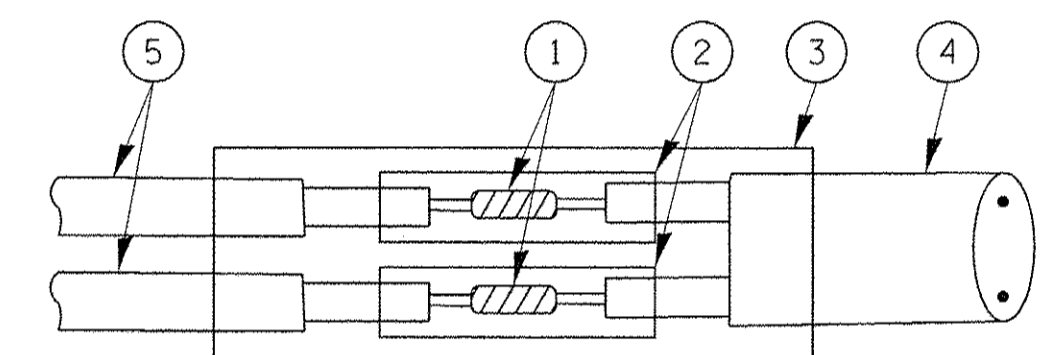


**DETECTOR LOOP WIRING SCHEMATIC**

- 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.

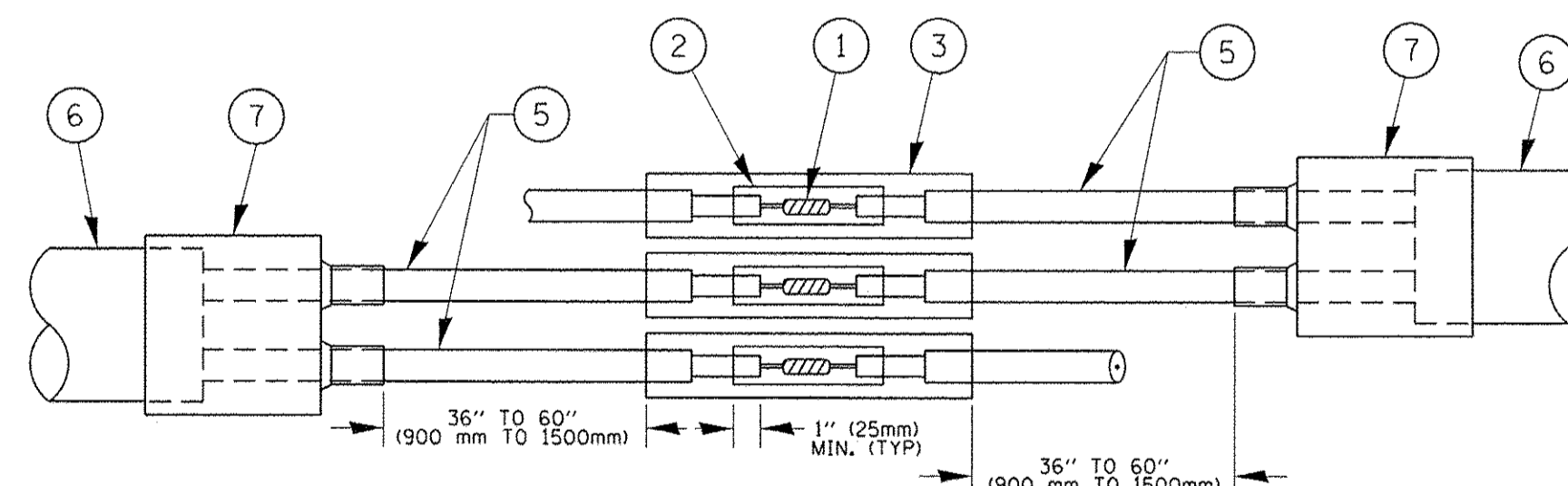


DETAIL "A"  
LOOP-TO-LOOP SPLICE

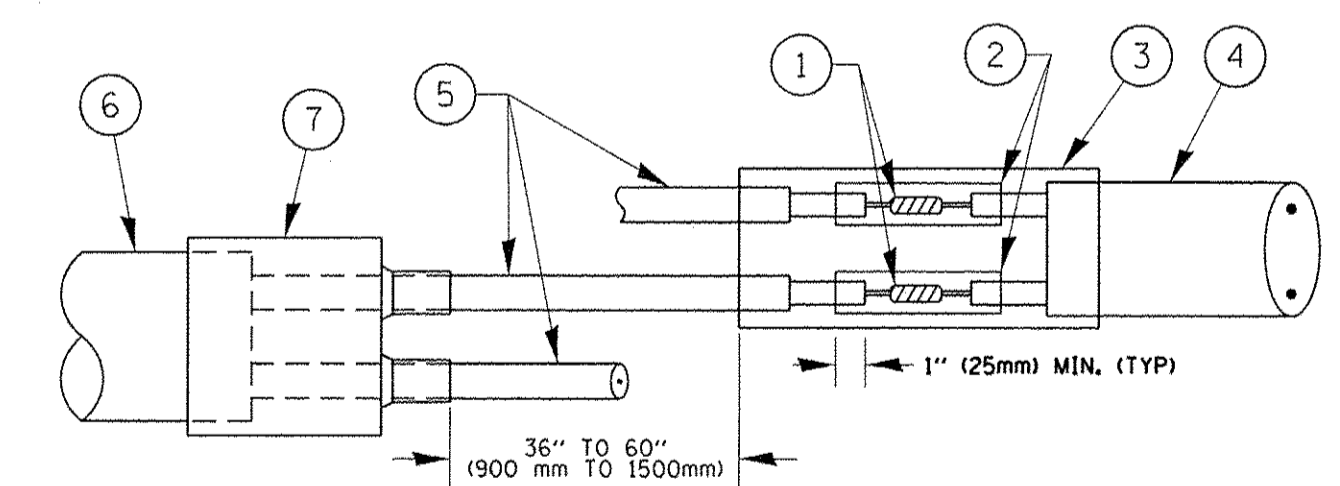


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**TYPE I LOOP**



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**PREFORMED LOOP**

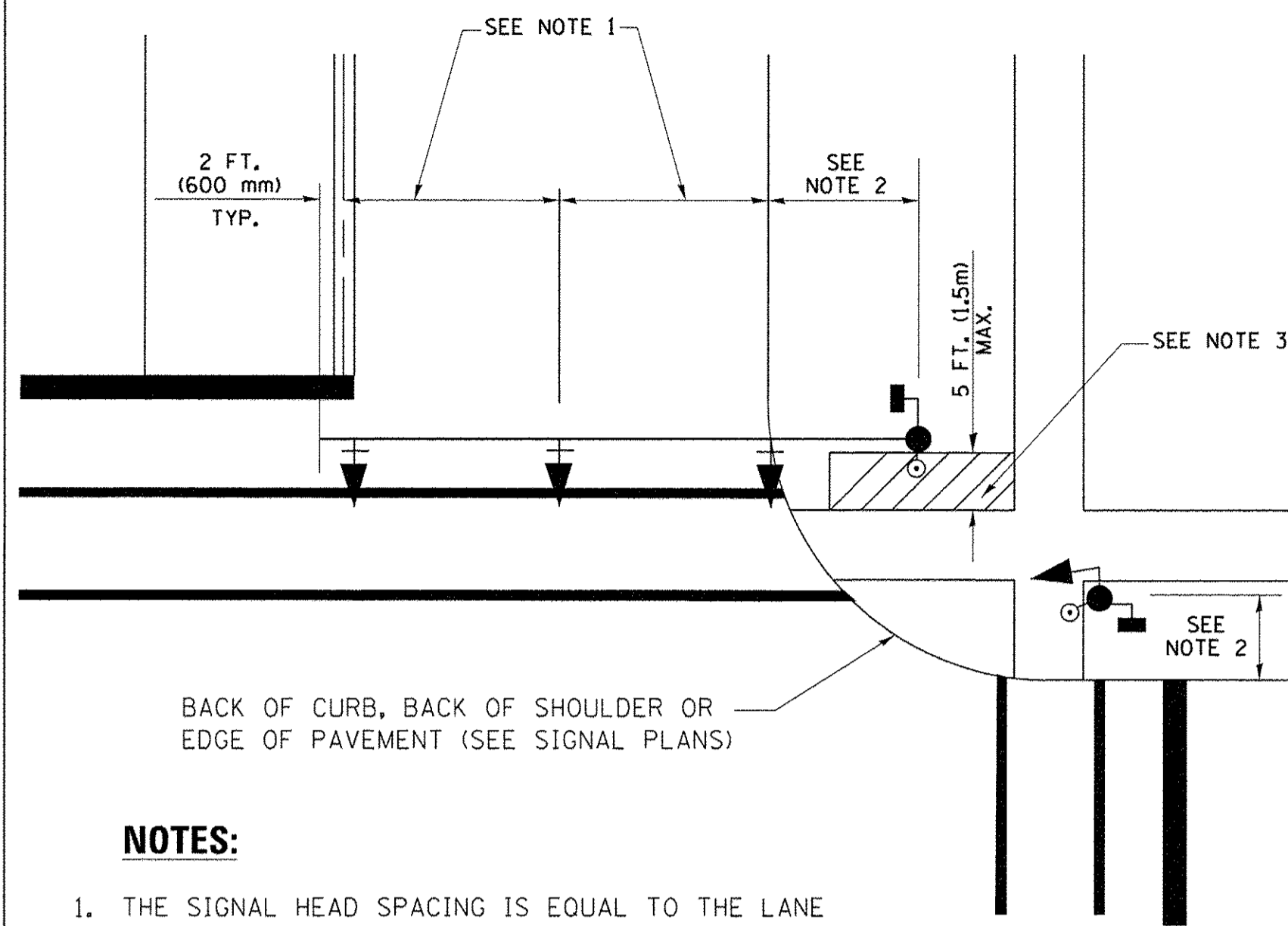
**LOOP DETECTOR SPLICE**

- 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

TS SHT NO. 2

FILE NAME = c:\pw_work\pwidot\footem\0108315\ts05.dgn	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.U. RTE. 2853	SECTION 14-00273-00-BT	COUNTY COOK	TOTAL SHEETS 274	SHEET NO. 179
PLOT SCALE = 50.0000' / 1"	CHECKED - DAD	DATE - 10-28-09	REVISED -		SCALE: NONE	SHEET NO. 2 OF 7 SHEETS	STA. TO STA.	<b>TS-05</b>		CONTRACT NO. 61D36		
PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

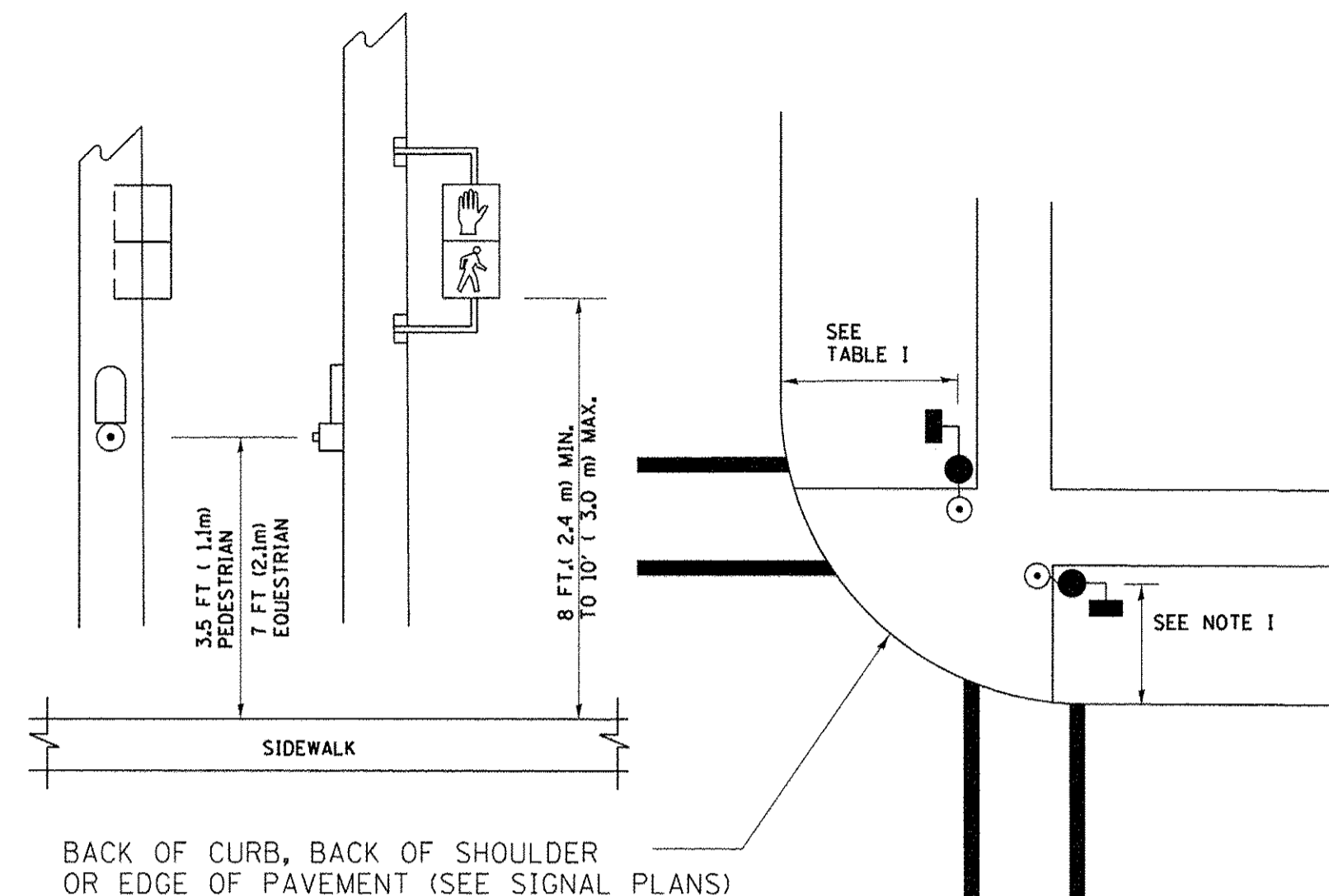
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST  
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR  
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN  
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



**NOTES:**

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

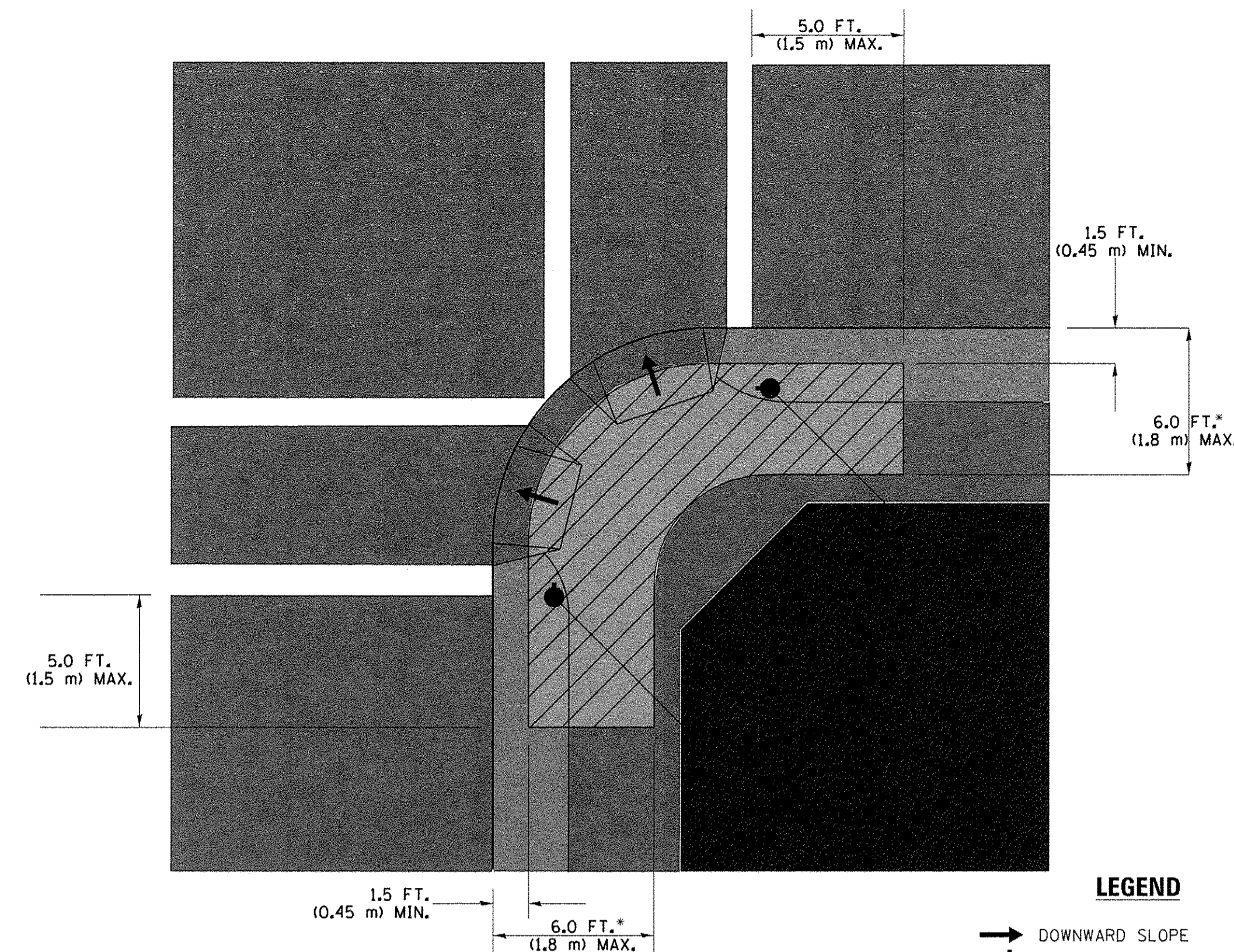
**PEDESTRIAN SIGNAL POST  
AND  
PEDESTRIAN PUSH BUTTON POST**



**NOTES:**

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

**RECOMMENDED PUSHBUTTON LOCATIONS**



**LEGEND**

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT ( 1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- \*\* WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

**TRAFFIC SIGNAL EQUIPMENT OFFSET**

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

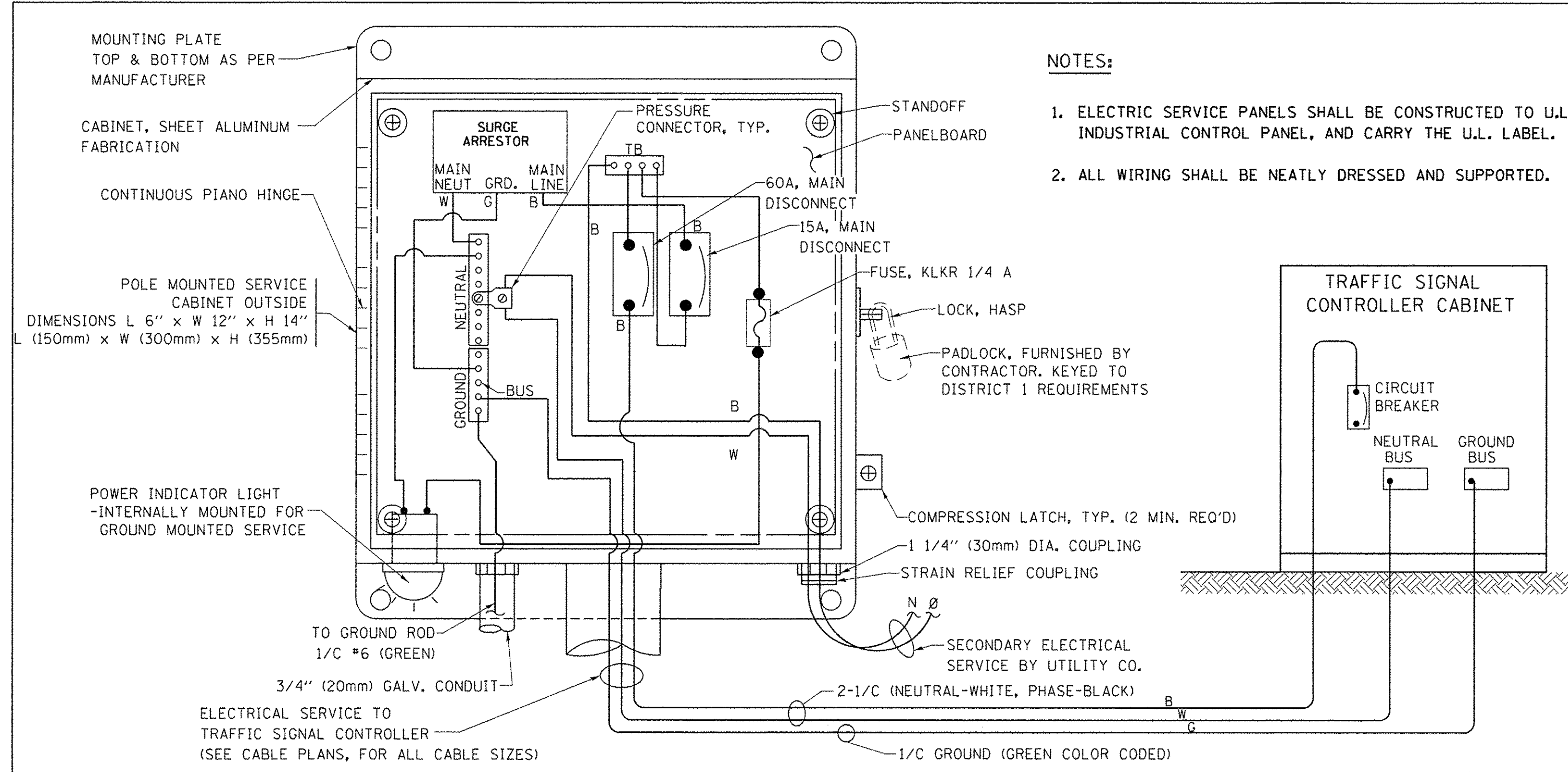
**NOTES:**

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

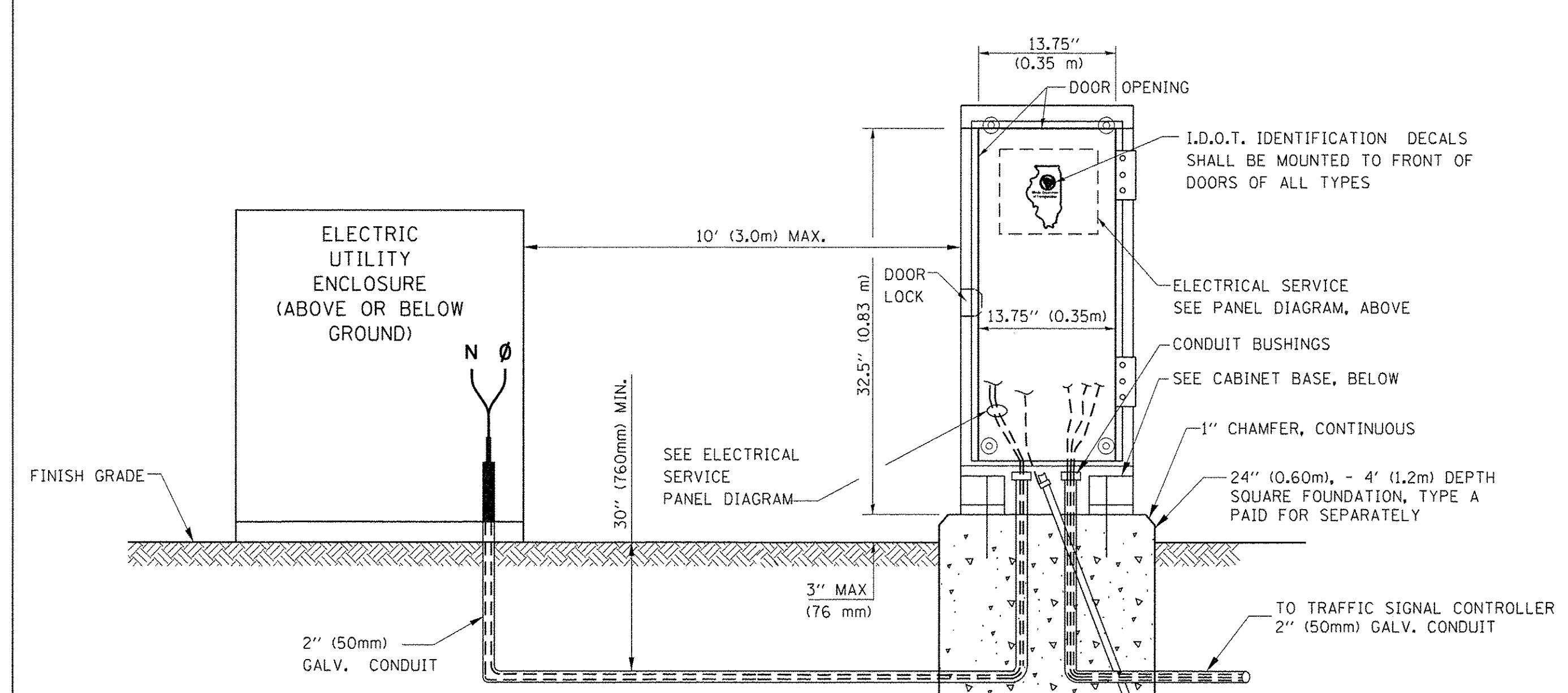
TS SHT NO. 3

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.U. RTE. 2853	SECTION 14-00273-00-BT	COUNTY COOK	TOTAL SHEETS 274	SHEET NO. 180
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	PLOT DATE = 1/13/2014	CHECKED - DAD	REVISED -									
		DATE - 10-28-09	REVISED -		FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT							



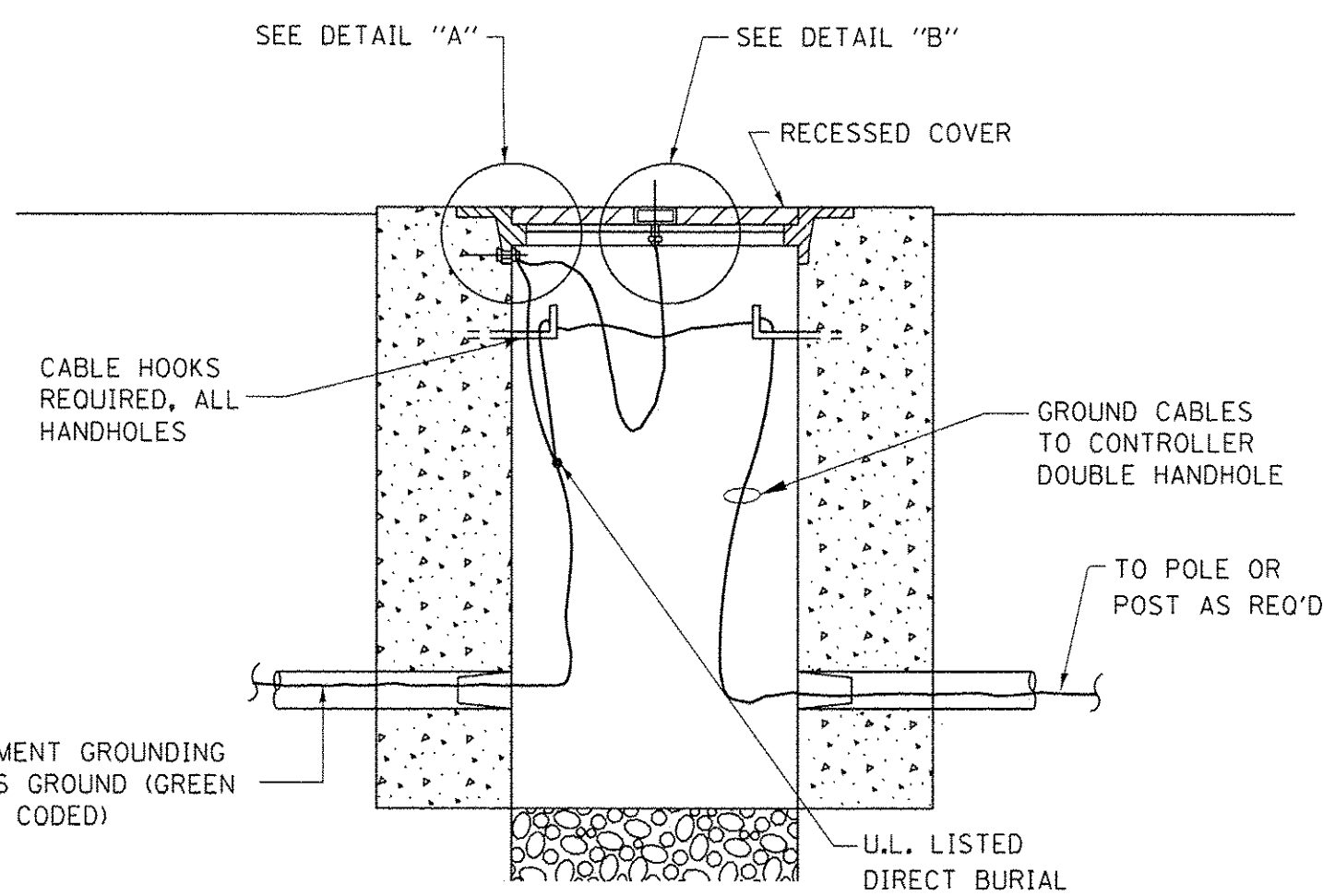
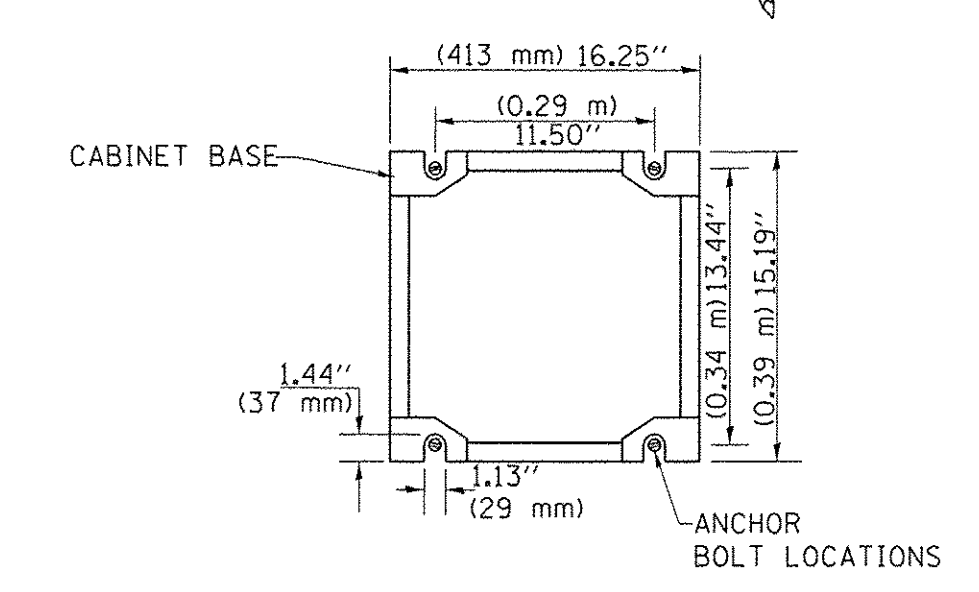


**ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE) SERVICE INSTALLATION POLE MOUNT (SHOWN) (NOT TO SCALE)**

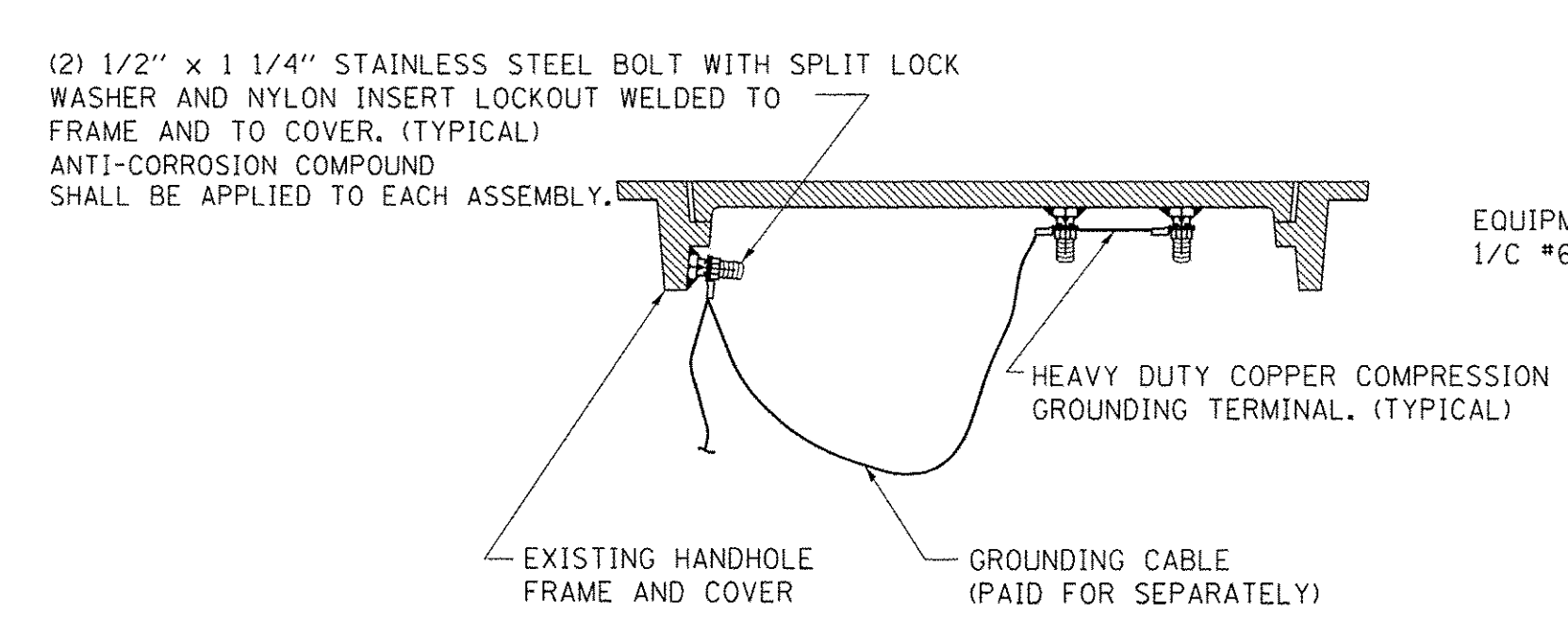


**SERVICE INSTALLATION GROUND MOUNT (NOT TO SCALE)**

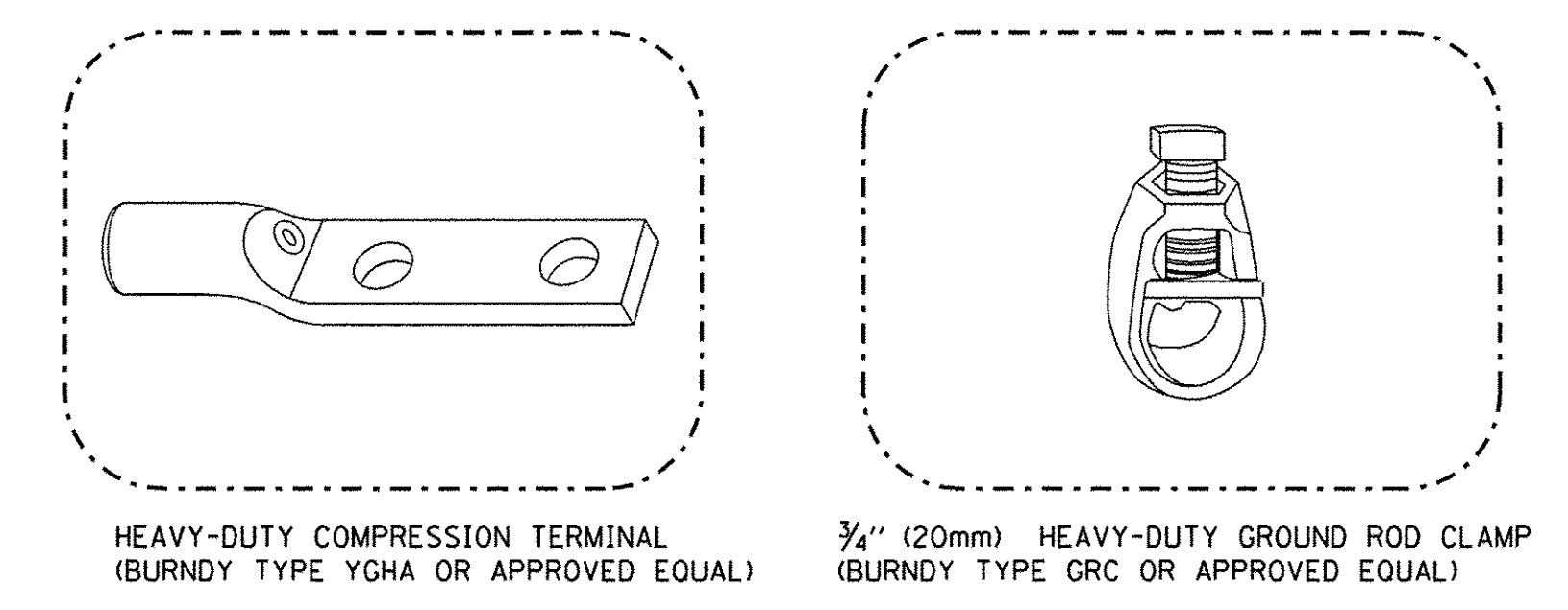
**CABINET – BASE BOLT PATTERN (NOT TO SCALE)**



**HANDHOLE COVER & FRAME – GROUNDING DETAIL (NOT TO SCALE)**

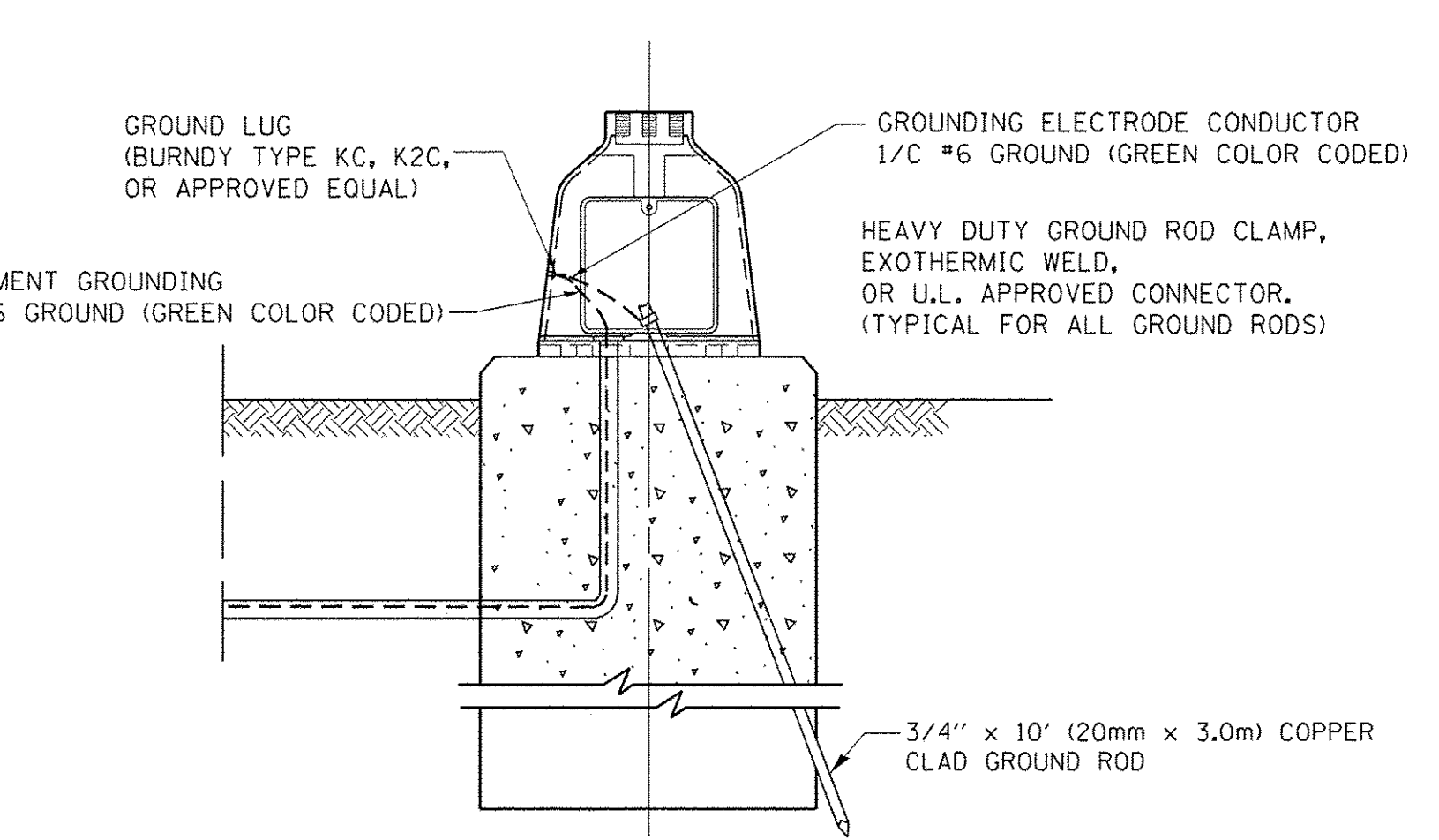


**EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL (NOT TO SCALE)**



**NOTES:**

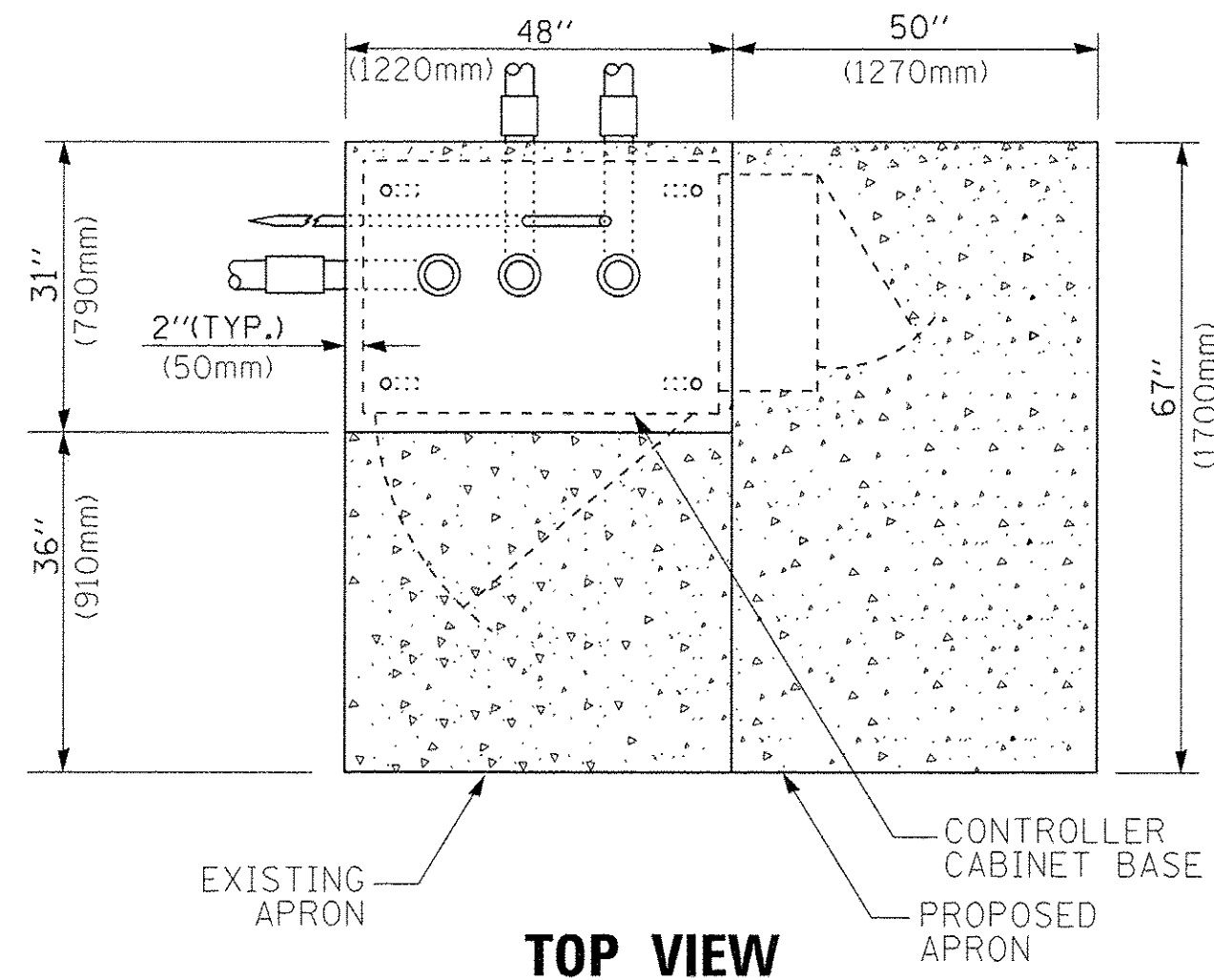
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES. 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES. 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



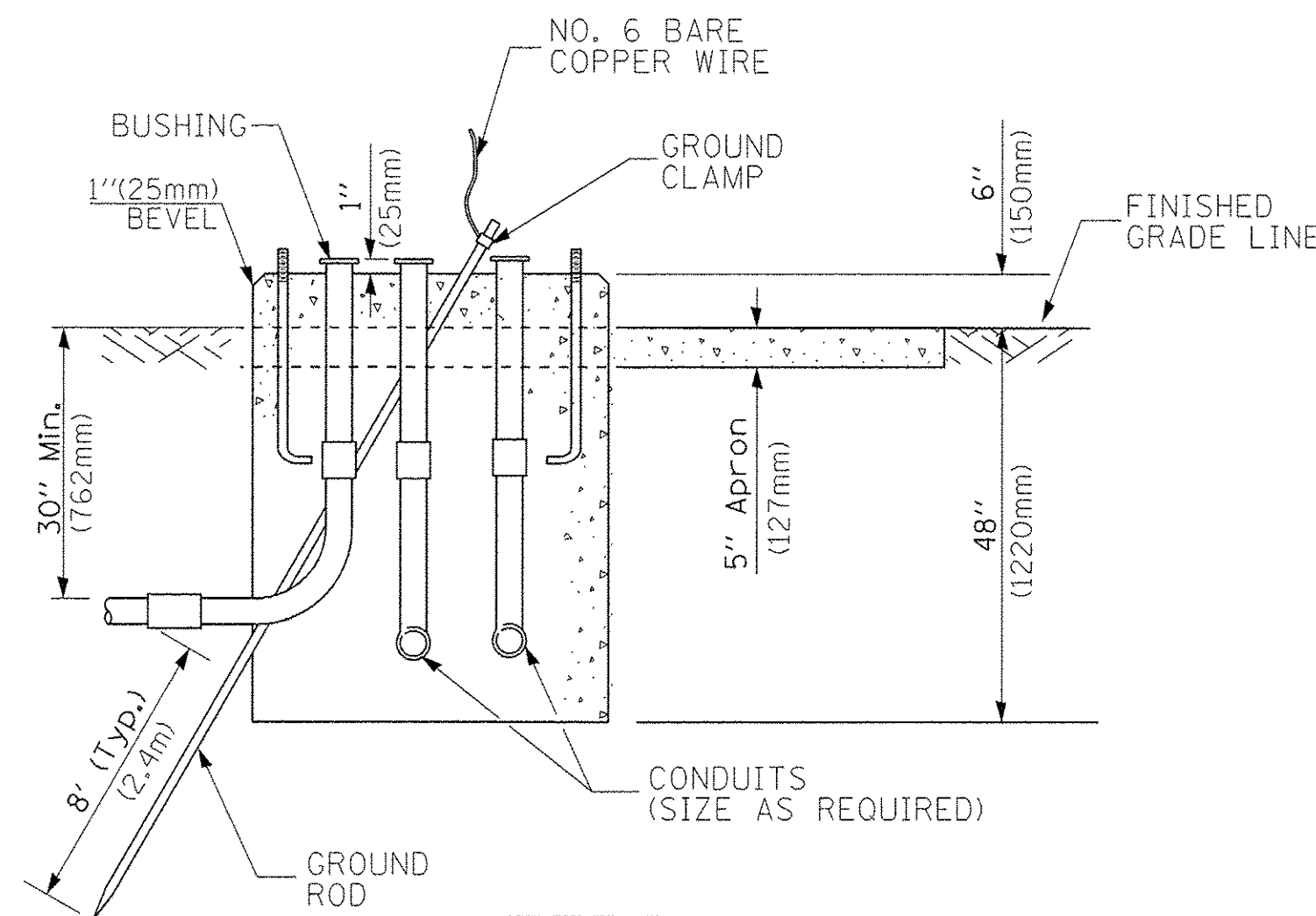
**MAST ARM POLE / POST-GROUNDING DETAIL (NOT TO SCALE)**

TS SHT NO. 4

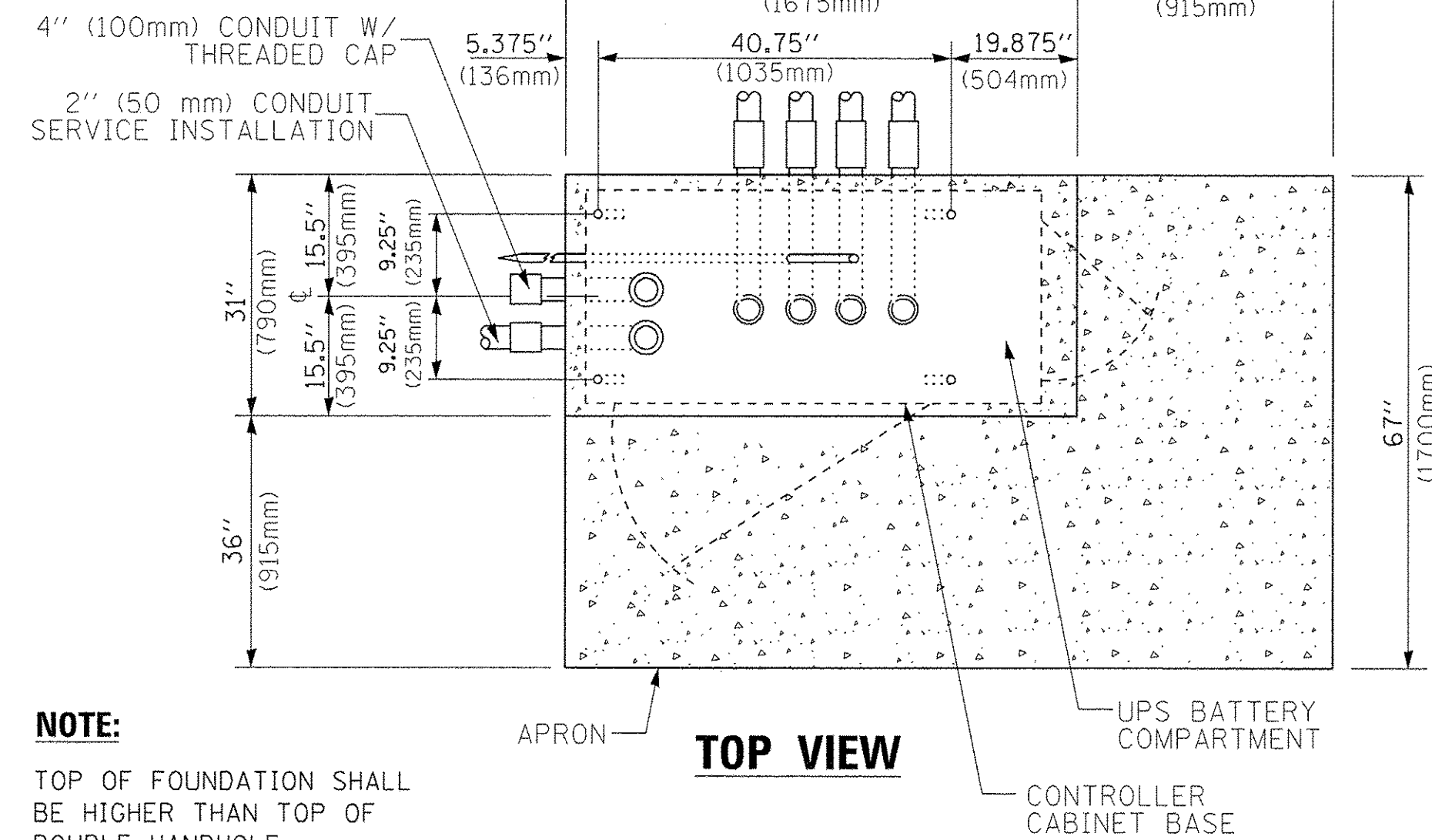
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DRAWN - BCK	CHECKED - DAD	DATE - 10-28-09	REVISED -		SCALE: NONE	SHEET NO. 4 OF 7 SHEETS	STA. TO STA.	<b>TS-05</b>				
PLOT SCALE = 50.0000' / in.	DATE - 10-28-09	REVISED -	REVISED -		CONTRACT NO. 61D36							
PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							



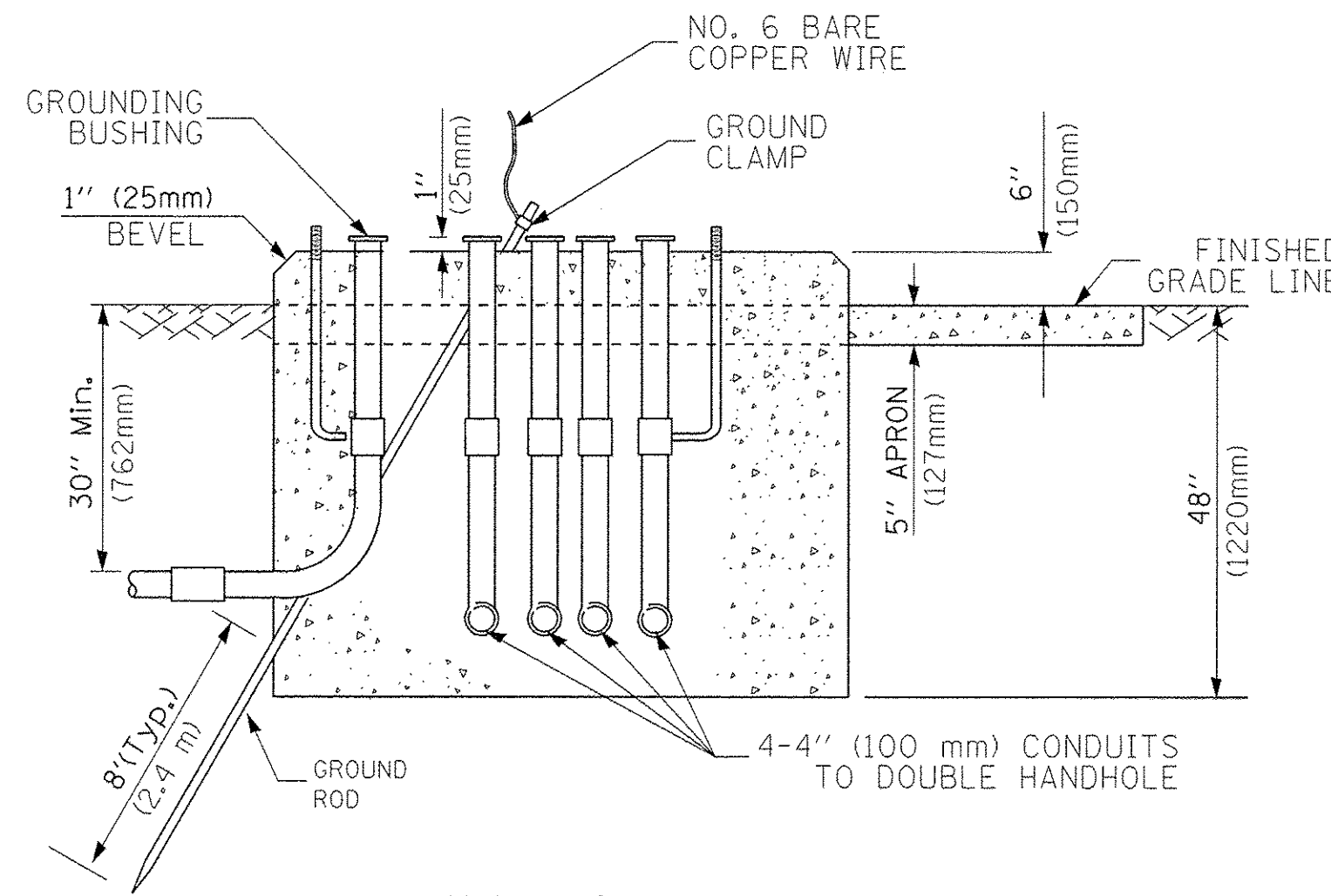
**TOP VIEW**



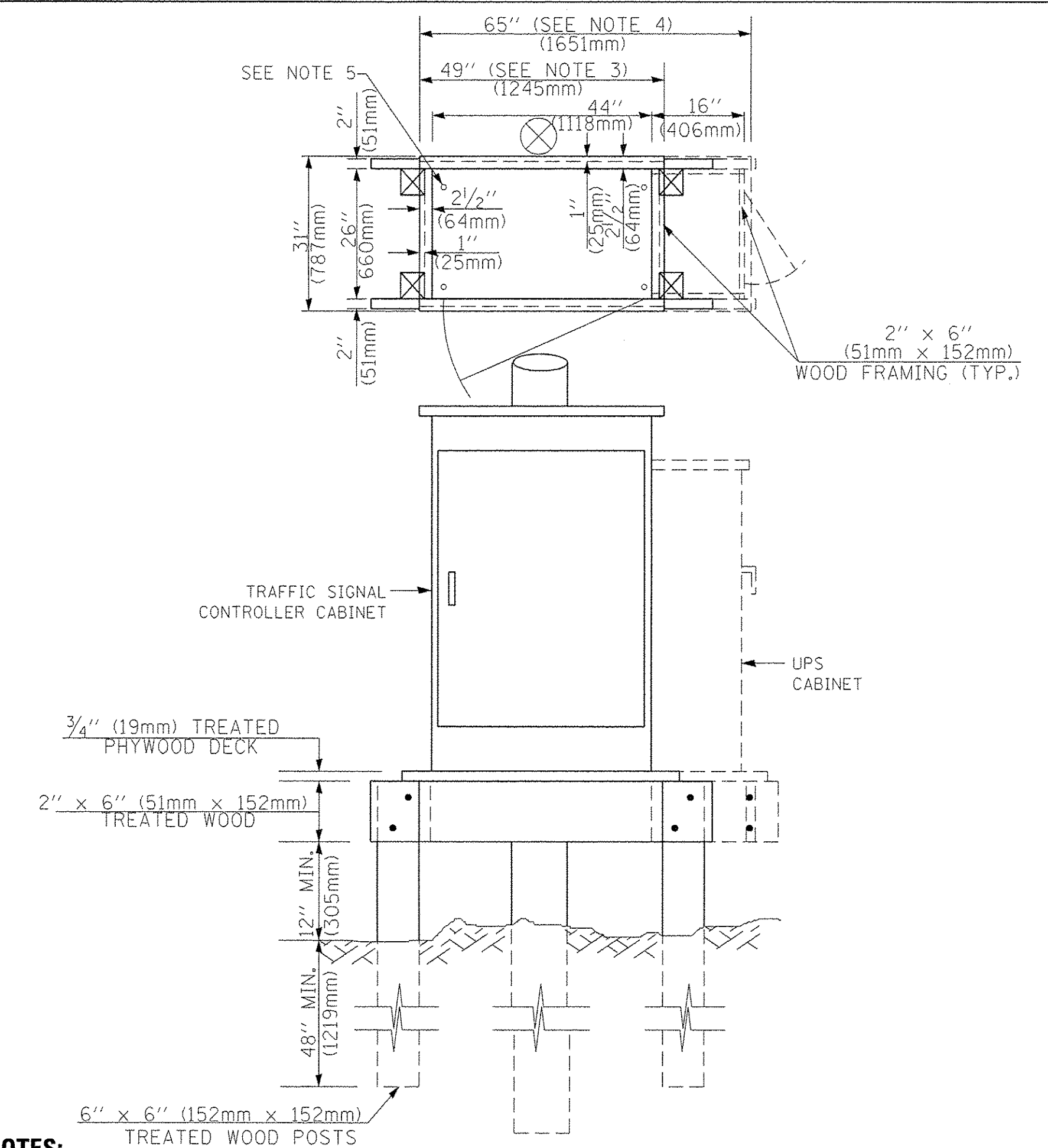
**TYPE D  
FOR GROUND MOUNTED  
CONTROLLER CABINET  
AND UPS BATTERY CABINET**



**TOP VIEW**



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



**NOTES:**

1. 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.
2. 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.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. 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.
6. 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	① 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)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

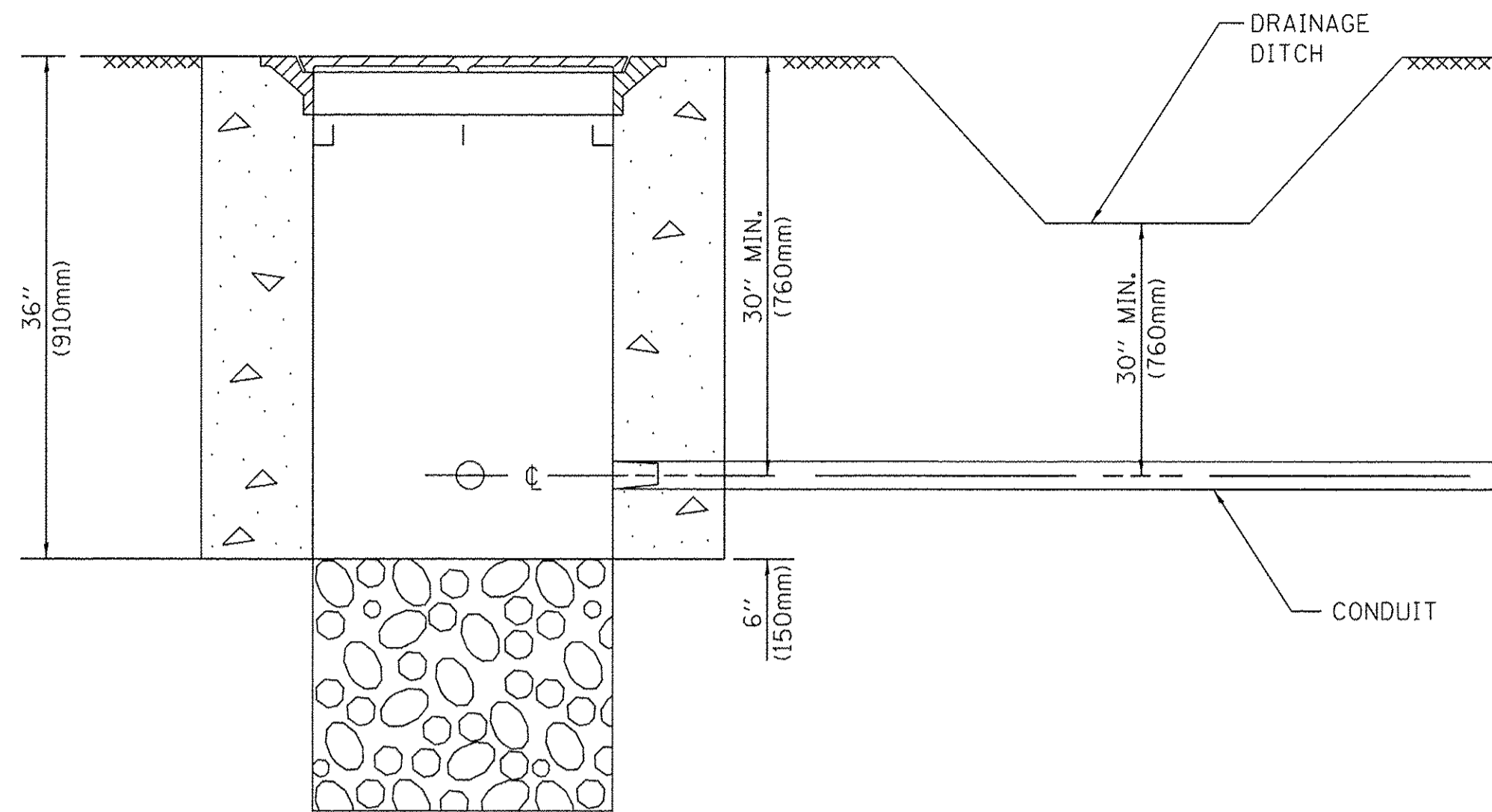
**NOTES:**

1. 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.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations
4. For mast arm assemblies with dual arms refer to state standard 878001..

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

TS SHT NO. 5

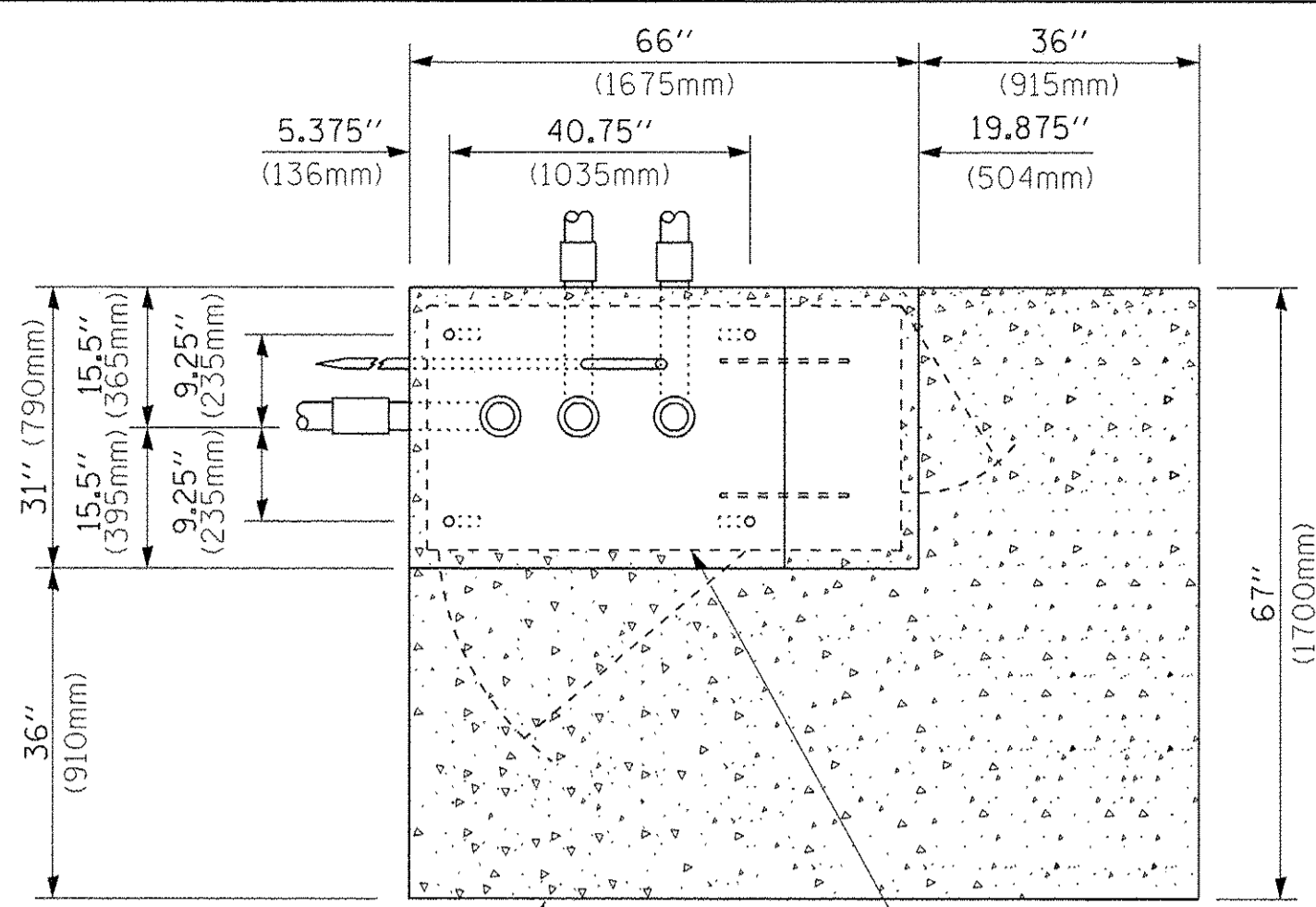
FILE NAME =	USER NAME = faotemj	DESIGNED - DAG	REVISED - DAG 1-1-14	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>			F.A.U. RTE. 2853	SECTION 14-00273-00-BT	COUNTY COOK	TOTAL SHEETS 274	SHEET NO. 182
ci:\pw\work\puidot\faotemj\d0188315\ts05.dgn	PLOT SCALE = 50.0000' / in.	DRAWN - BCK	REVISED -		SCALE: NONE	SHEET NO. 5 OF 7 SHEETS	STA. TO STA.	<b>TS-05</b>		CONTRACT NO. 61D36		
	PLOT DATE = 1/13/2014	CHECKED - DAD	REVISED -									
		DATE - 10-28-09	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							



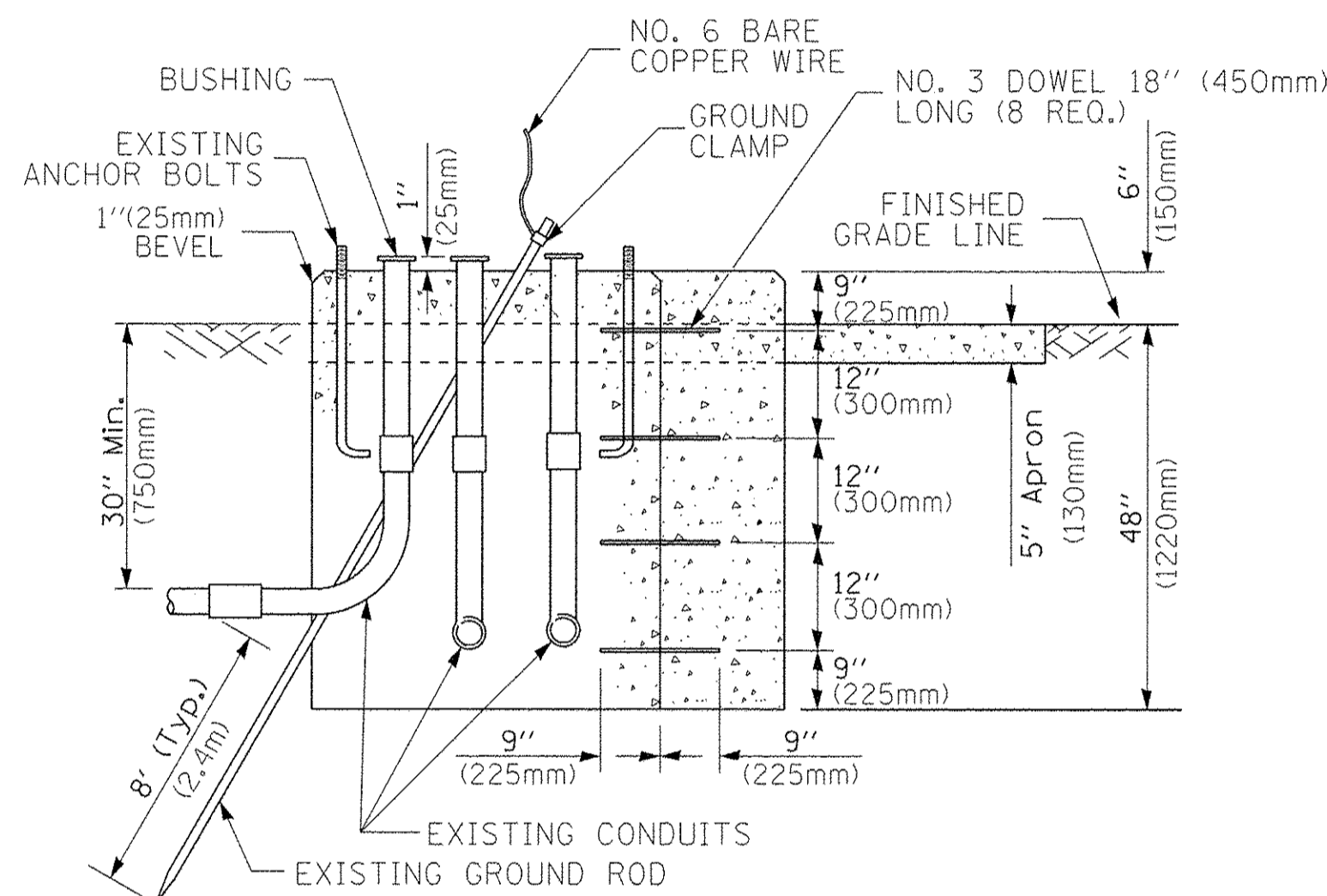
**NOTES:**

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)



**TOP VIEW**  
(NOT TO SCALE)

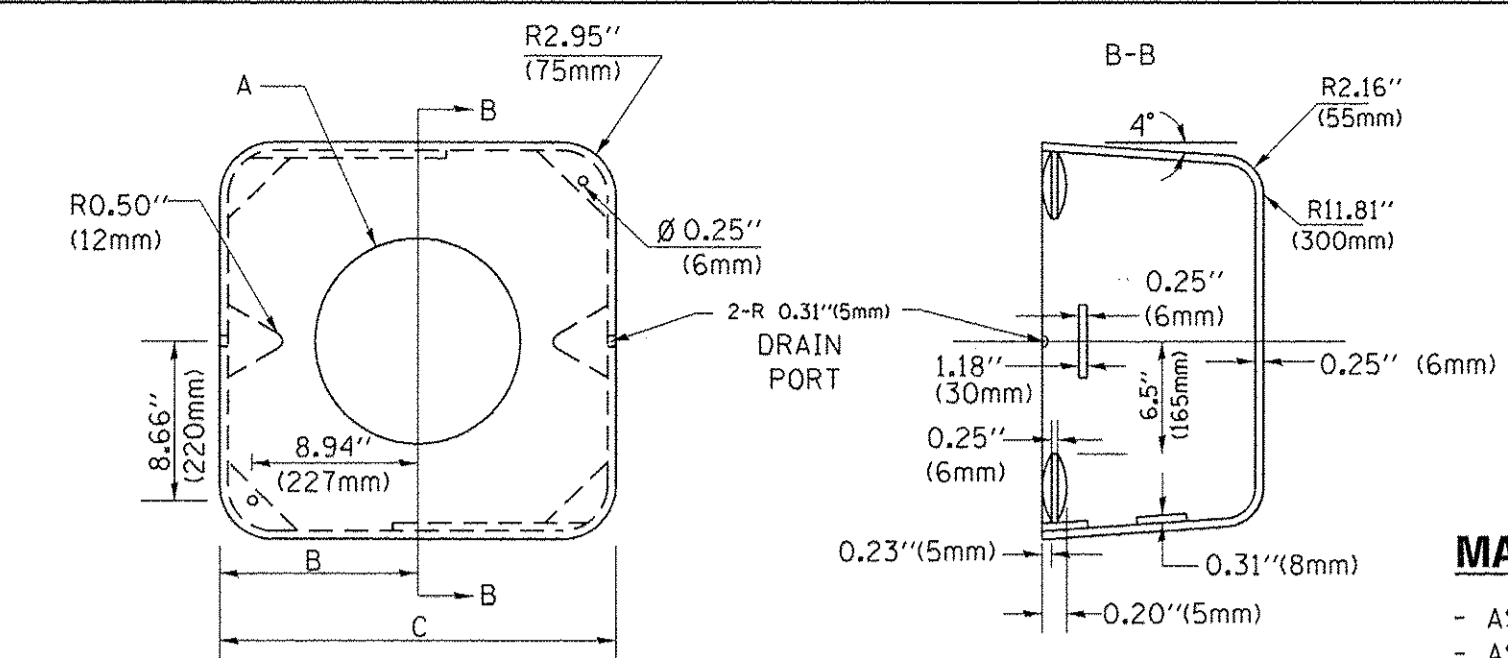


**MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION**  
(NOT TO SCALE)

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

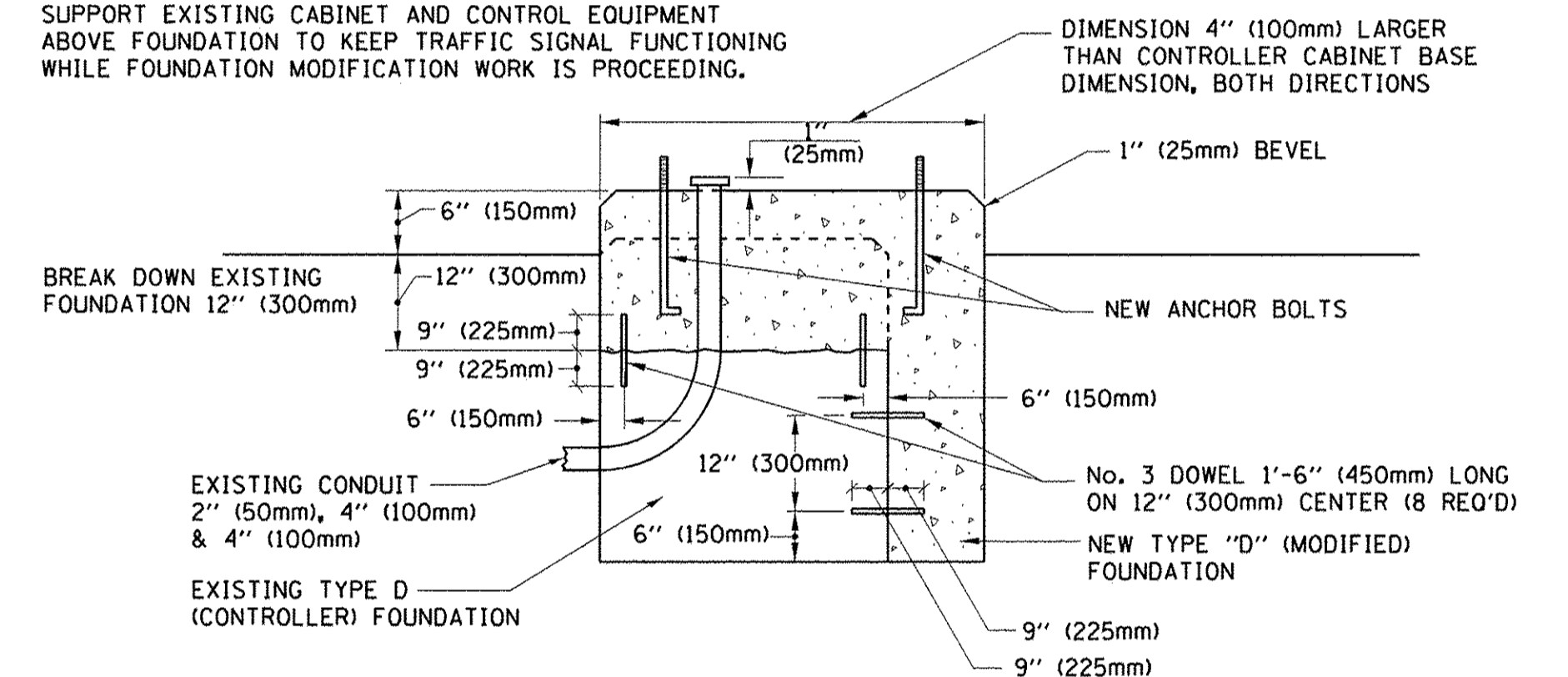
**SHROUD**

**NOTES:**

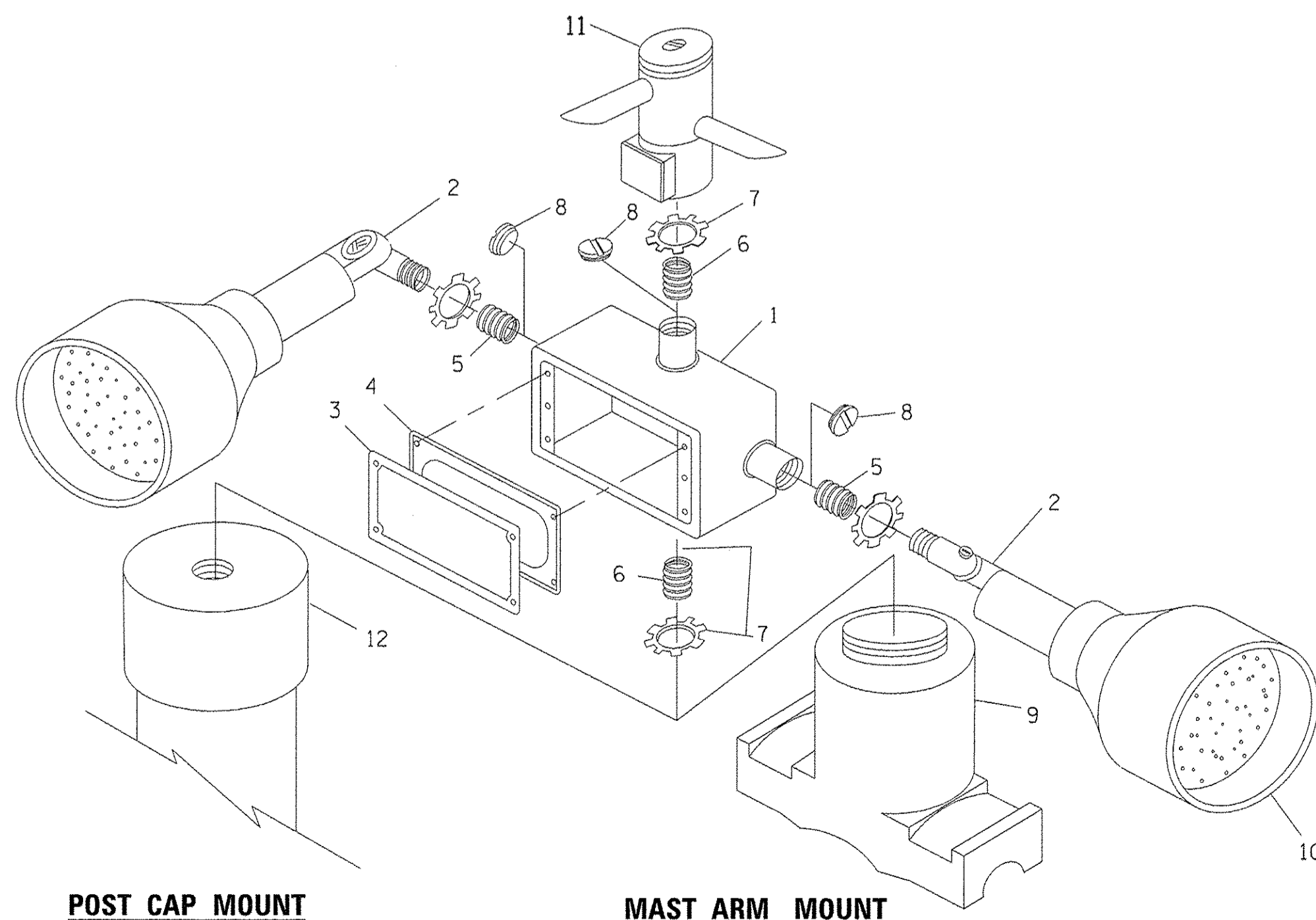
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

**NOTE:**

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



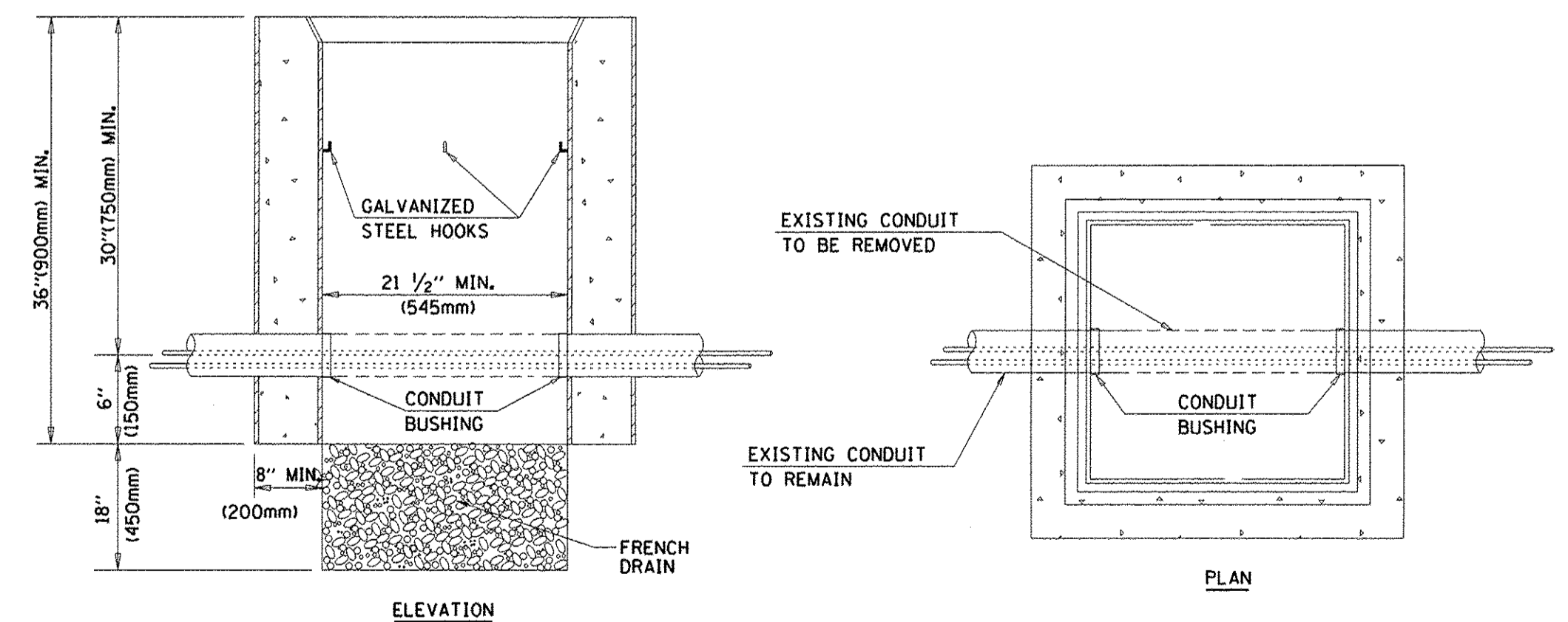
**MODIFY EXISTING TYPE "D" FOUNDATION**



**POST CAP MOUNT**

**MAST ARM MOUNT**

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



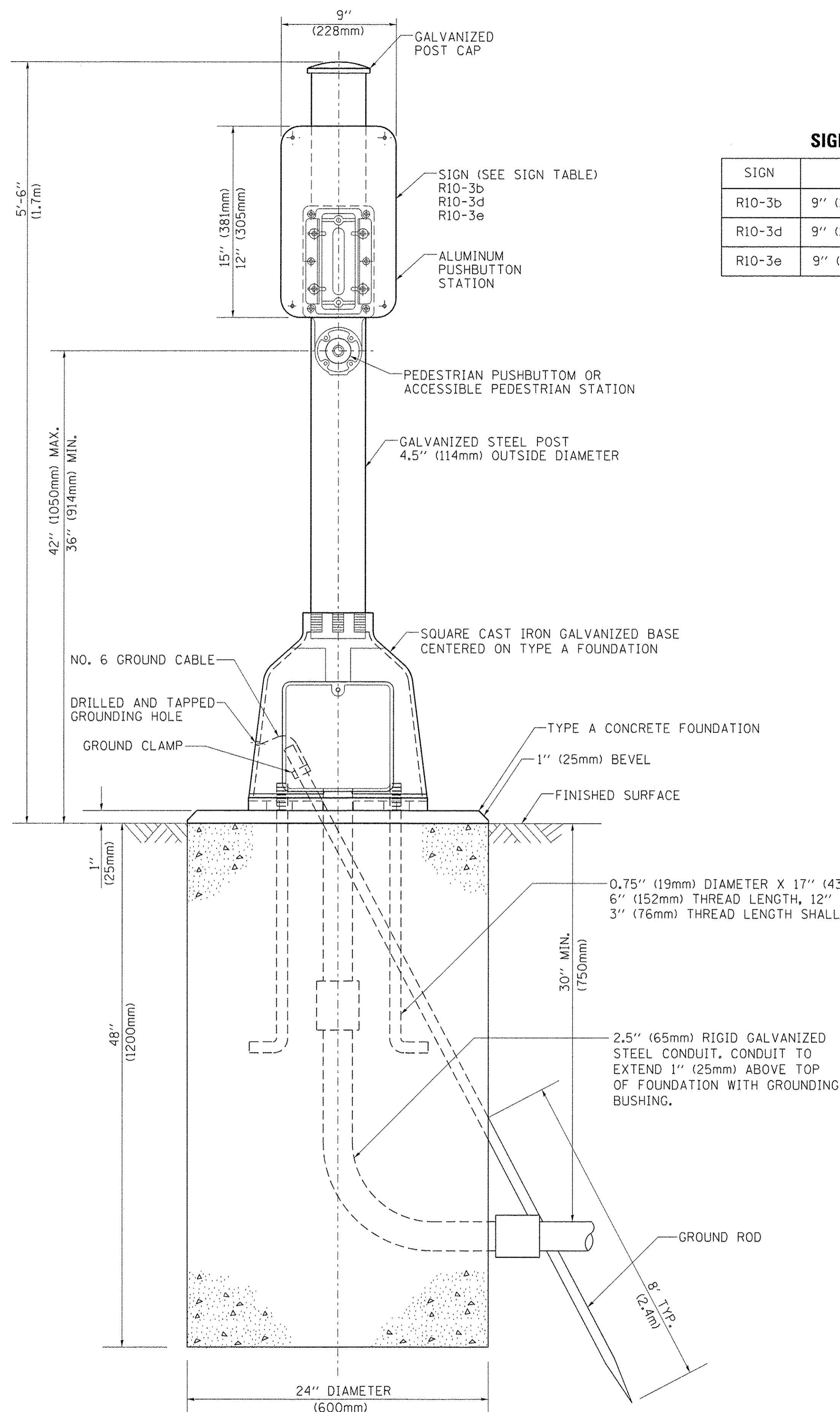
**NOTES:**

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**

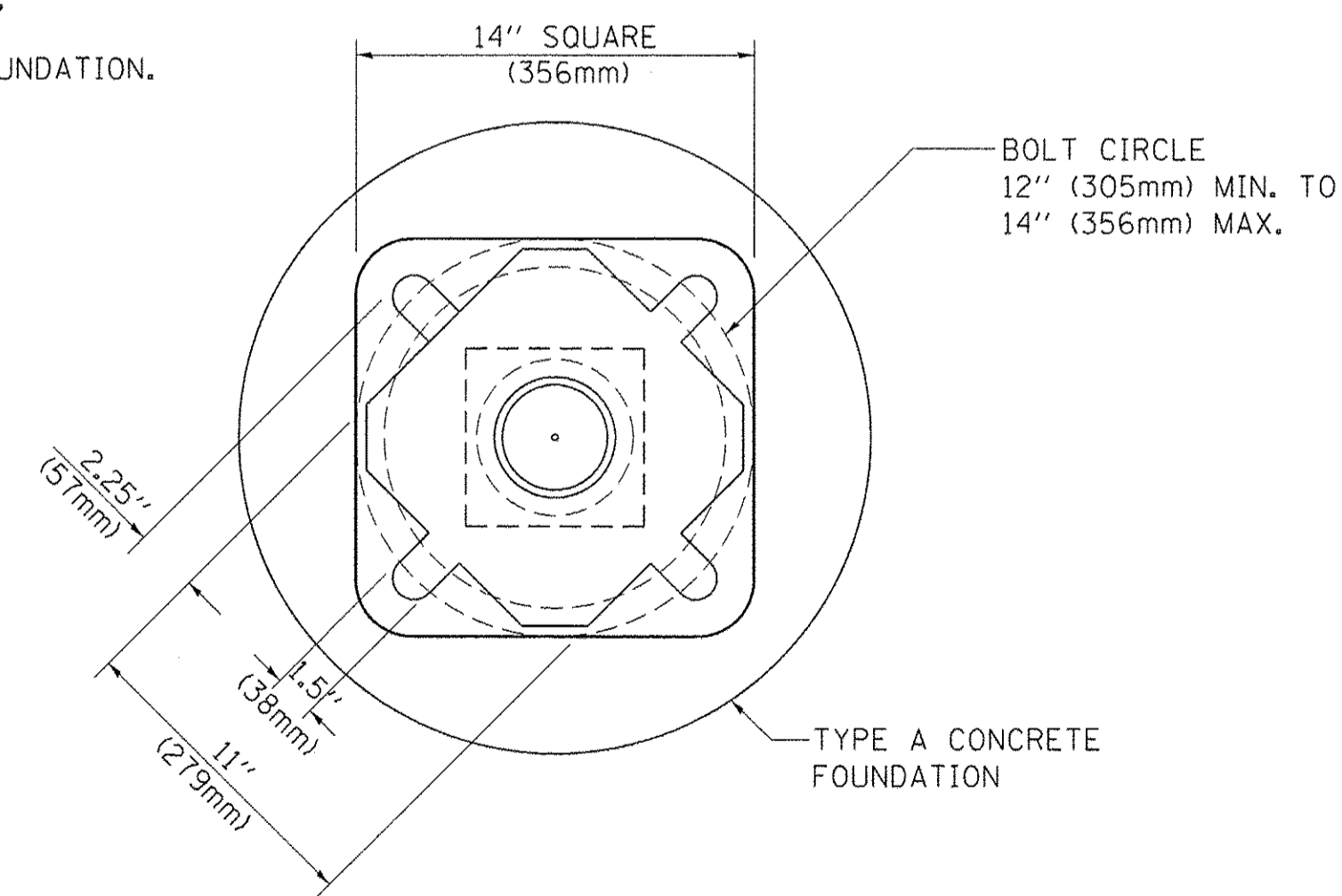
TS SHT NO. 6

FILE NAME =	USER NAME = faotemj	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.U. RTE. 2853	SECTION 14-00273-00-BT	COUNTY COOK	TOTAL SHEETS 274	SHEET NO. 183	
c:\pw\work\p\dot\faotemj\d0108315\ts05.dgn	PLOT SCALE = 50.0000 ' / in.	CHECKED - DAD	REVISED -		SCALE: NONE	SHEET NO. 6 OF 7 SHEETS	STA.	TO STA.	<b>TS-05</b>		CONTRACT NO. 61036		
	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -						<b>FED. ROAD DIST. NO. 1</b>		ILLINOIS FED. AID PROJECT		
									<b>FED. ROAD DIST. NO. 1</b>		ILLINOIS FED. AID PROJECT		



**SIGN TABLE**

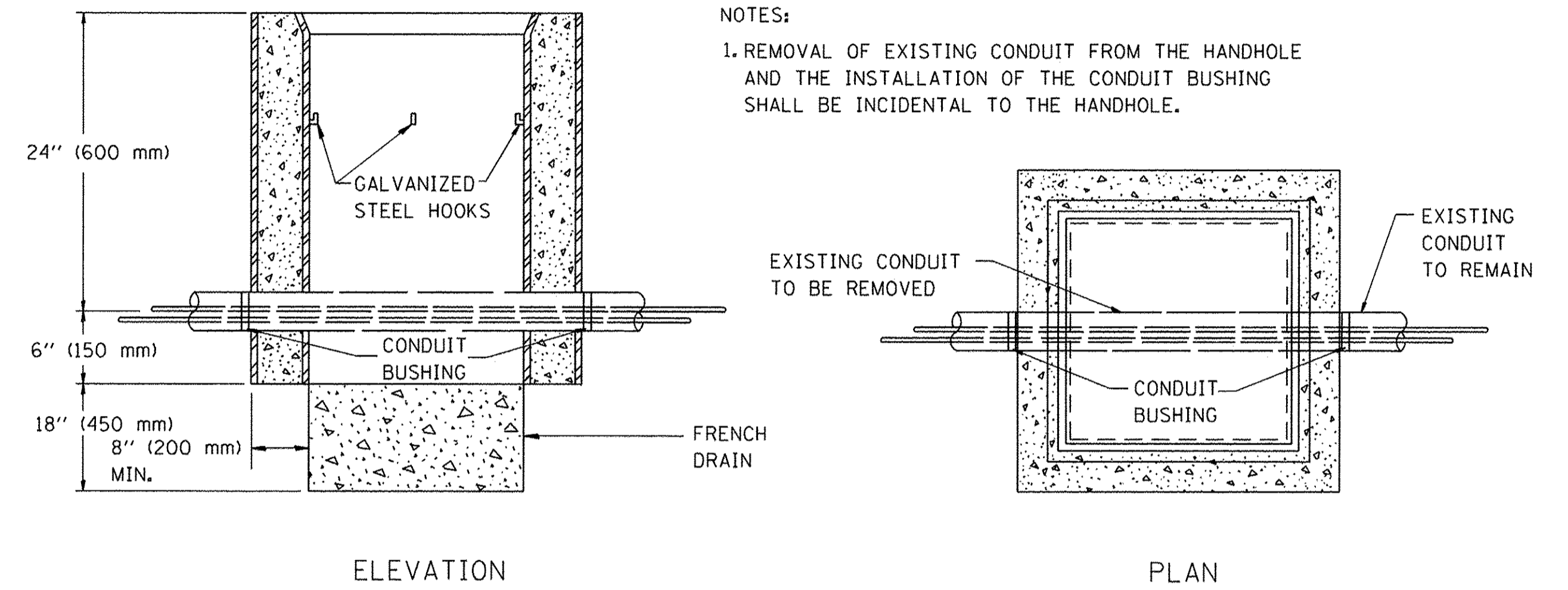
SIGN	DIMENSIONS
R10-3b	9" (228mm) X 12" (305mm)
R10-3d	9" (228mm) X 12" (305mm)
R10-3e	9" (228mm) X 15" (381mm)



**BOLT PATTERN**

**PEDESTRIAN PUSH BUTTON POST, TYPE A**

FILE NAME = c:\pwork\psidot\footem\ad0108315\ts05.dgn	USER NAME = Footemj	DESIGNED - DAG	REVISED - DAG 1-1-14	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>	F.A.U. RTE. 2853	SECTION 14-00273-00-BT	COUNTY COOK	TOTAL SHEETS 274	SHEET NO. 184	
PLOT SCALE = 50.0000' / 1"	CHECKED - DAD	DATE - 10/1/2012	REVISED -			SCALE: NONE	SHEET NO. 7 OF 7 SHEETS	STA. TO STA.	<b>TS-05</b>		CONTRACT NO. 61D36
PLOT DATE = 1/13/2014	DATE - 10/1/2012	REVISED -	REVISED -					FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT			



NOTES:  
 1. REMOVAL OF EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHING SHALL BE INCIDENTAL TO THE HANDHOLE.

ELEVATION

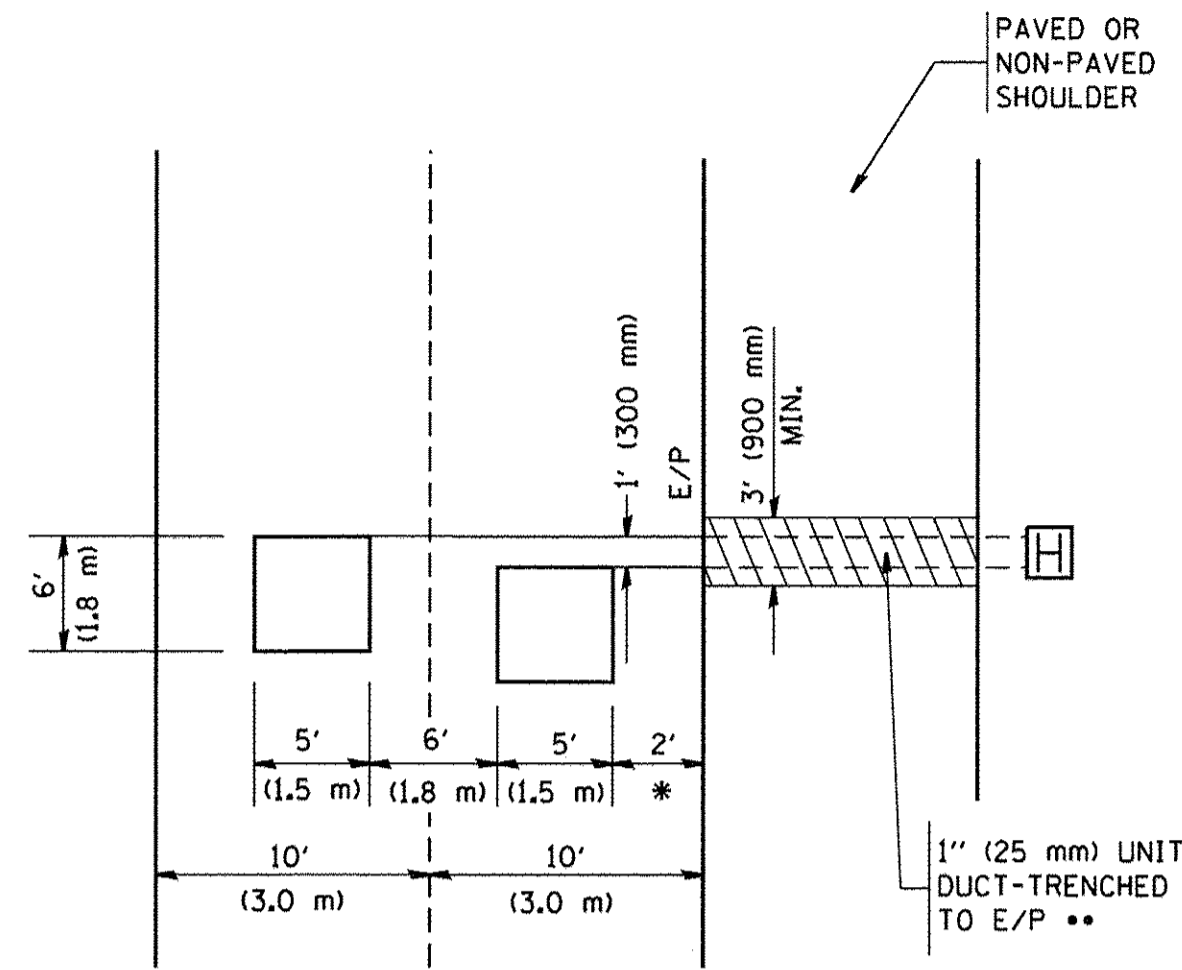
PLAN

**DETAIL  
 HANDHOLE TO INTERCEPT EXISTING CONDUIT**

FILE NAME =	USER NAME = drivakosgn	DESIGNED -	REVISED - 10-01-00	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>HANDHOLE TO INTERCEPT EXISTING CONDUIT</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EBID\INTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist 1\Drawn\CADD\ts\ts03.dgn		CHECKED -	REVISED -					2853	14-00273-00-BT	COOK	274	185
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		SCALE: NONE    SHEET 1 OF 1 SHEETS    STA.    TO STA.			<b>TS-03</b>		CONTRACT NO. 6136		
	PLOT DATE = 11/17/2015				ILLINOIS FED. AID PROJECT							

**LOOPS NEXT TO SHOULDERS**

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

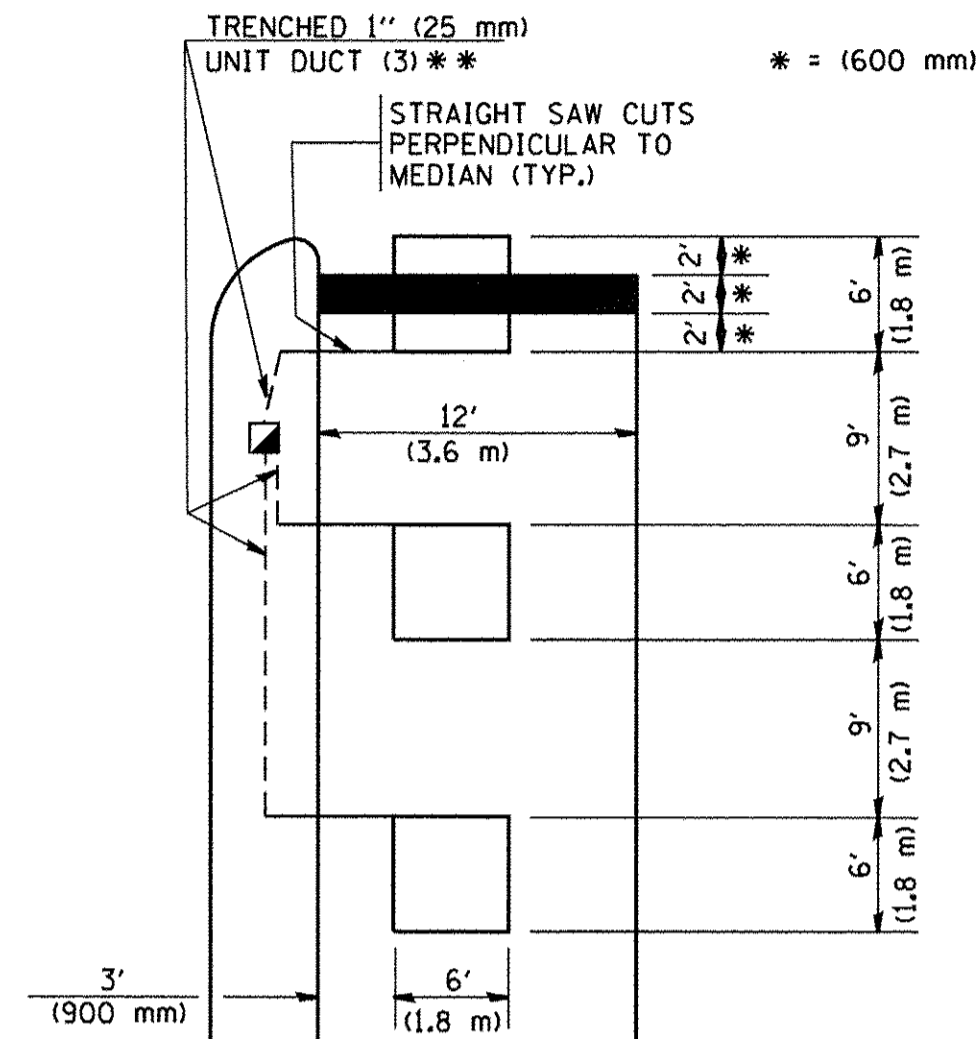


\* = (600 mm)

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

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

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

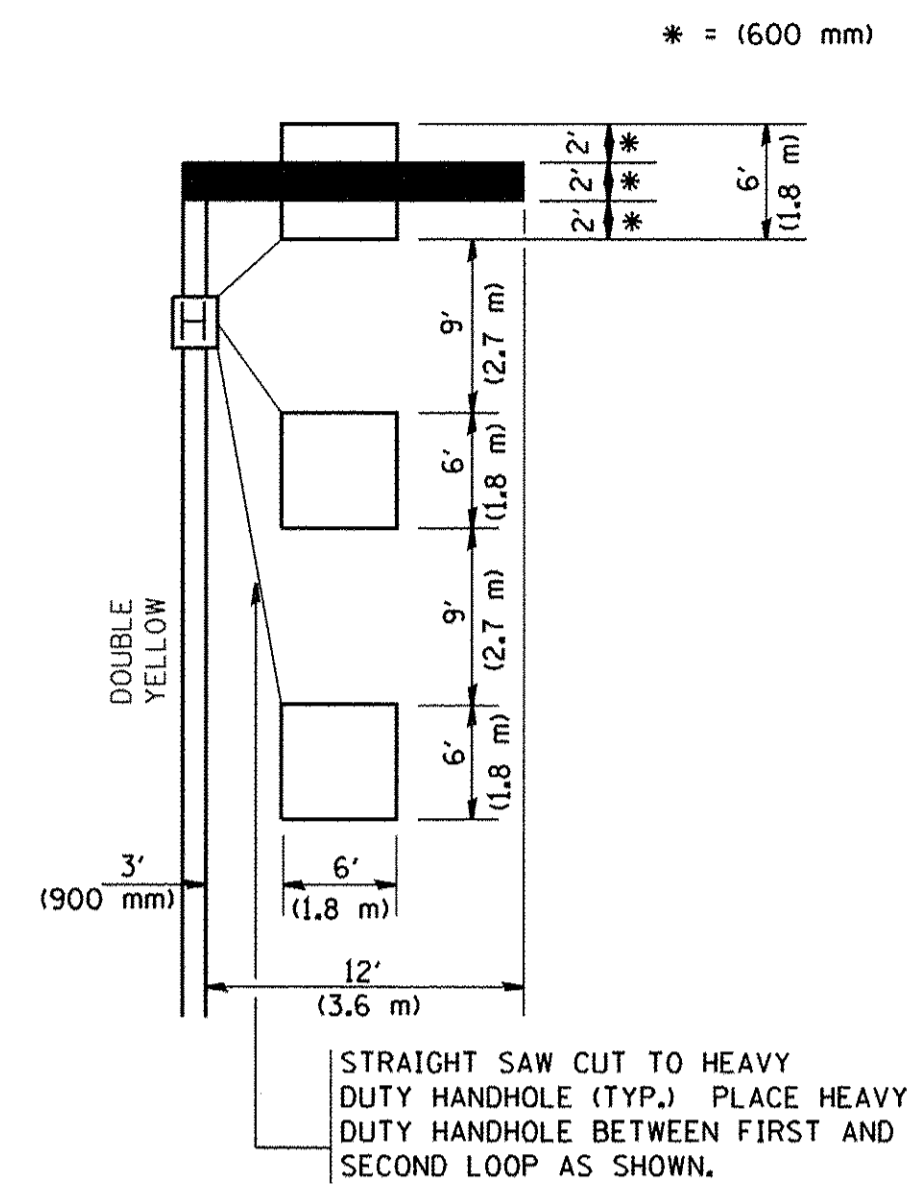


\* = (600 mm)

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

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

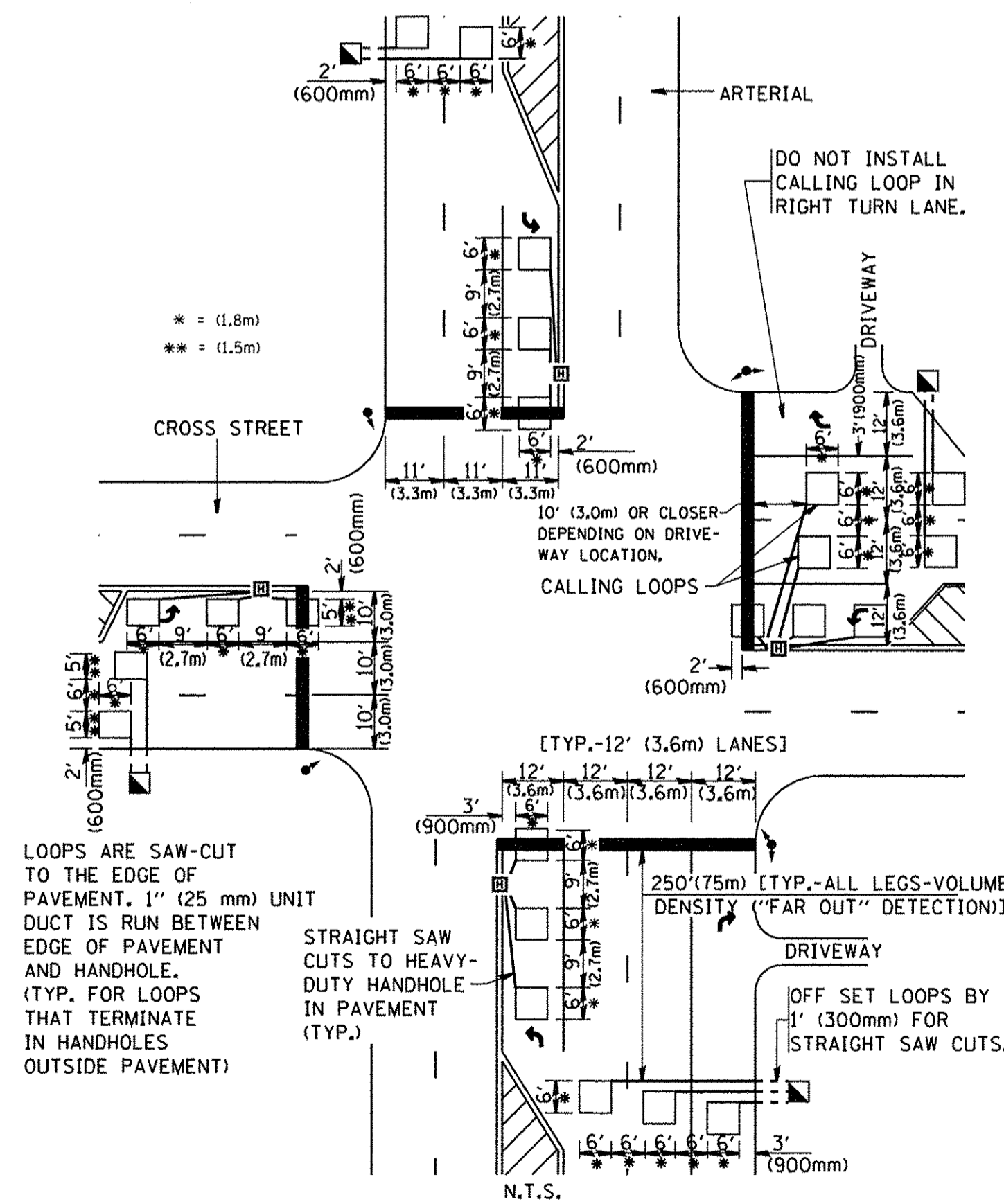
**LEFT TURN LANES WITHOUT MEDIANS  
VOLUME DENSITY ("FAR OUT" DETECTION)  
ON SAME APPROACH  
(PROTECTED / PERMITTED LEFT TURN PHASING)**



\* = (600 mm)

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

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



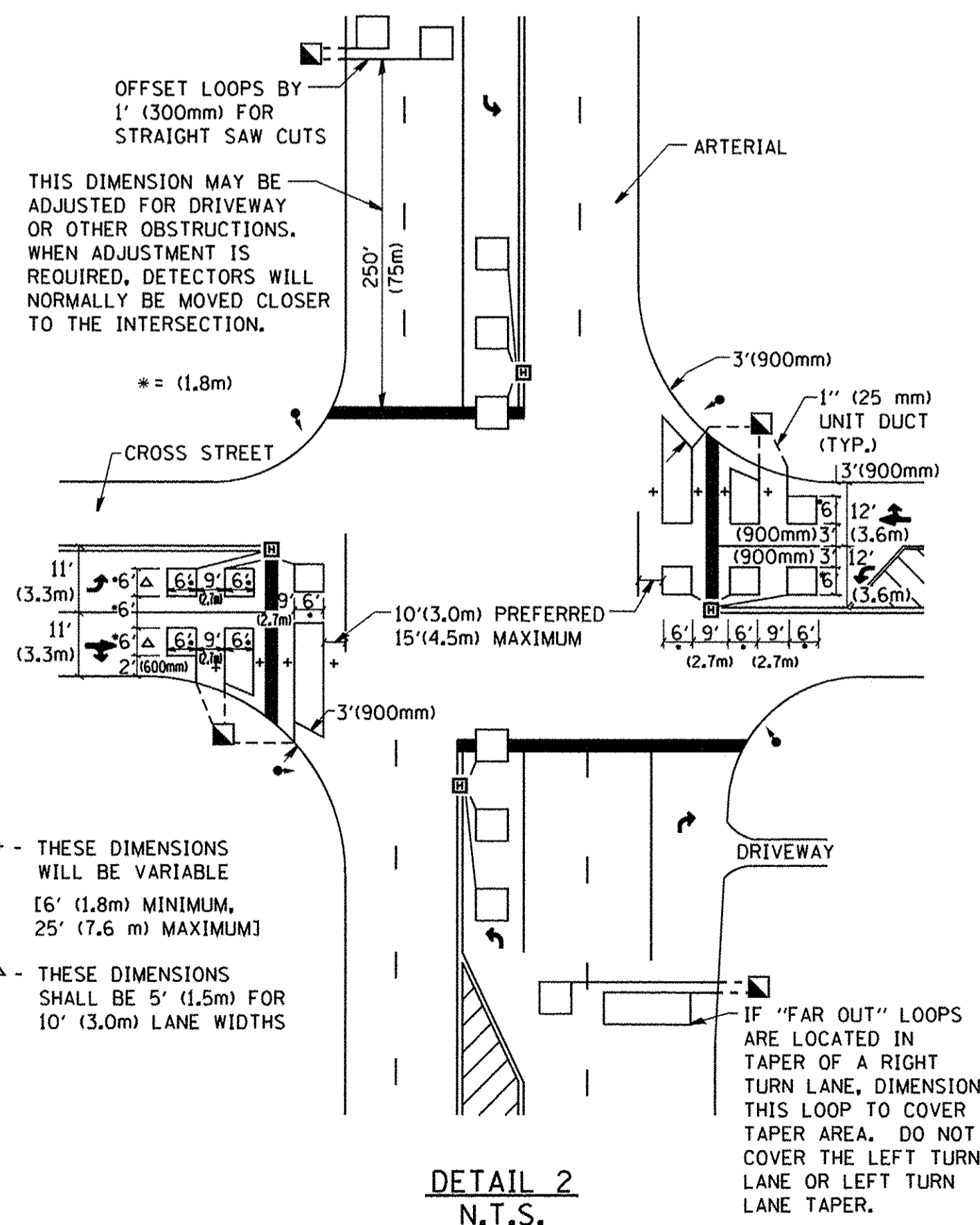
\* = (1.8m)  
\*\* = (1.5m)

LOOPS ARE SAW-CUT TO THE EDGE OF PAVEMENT. 1" (25 mm) UNIT DUCT IS RUN BETWEEN EDGE OF PAVEMENT AND HANDHOLE. (TYP. FOR LOOPS THAT TERMINATE IN HANDHOLES OUTSIDE PAVEMENT)

STRAIGHT SAW CUTS TO HEAVY-DUTY HANDHOLE IN PAVEMENT (TYP.)

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

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



+ - THESE DIMENSIONS WILL BE VARIABLE [6' (1.8m) MINIMUM, 25' (7.6 m) MAXIMUM]

△ - THESE DIMENSIONS SHALL BE 5' (1.5m) FOR 10' (3.0m) LANE WIDTHS

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

**NOTES:**

**VEHICLES LOOP DETECTORS**

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

**PLACEMENT OF DETECTORS**

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

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

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

**NOTE:**

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

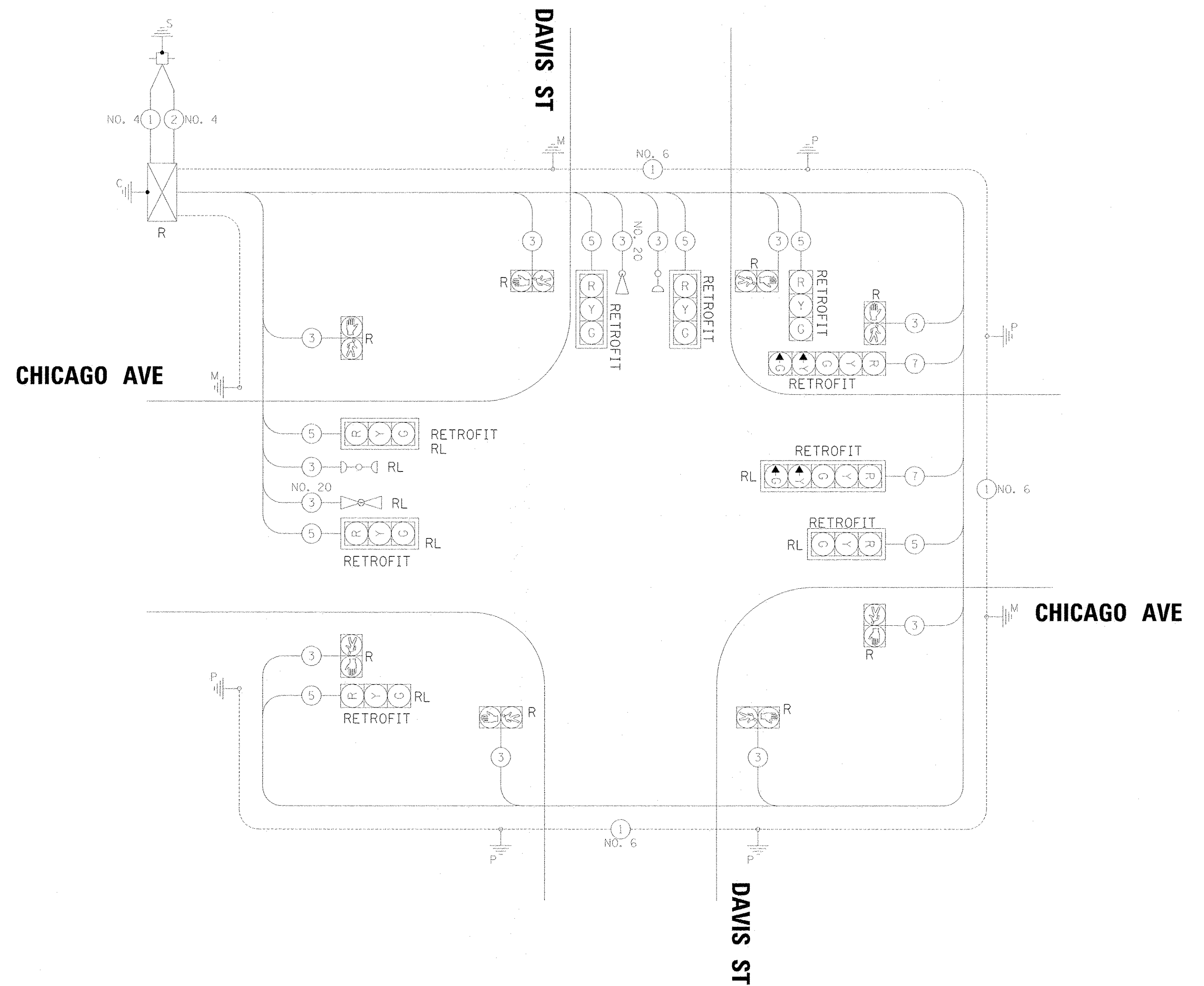
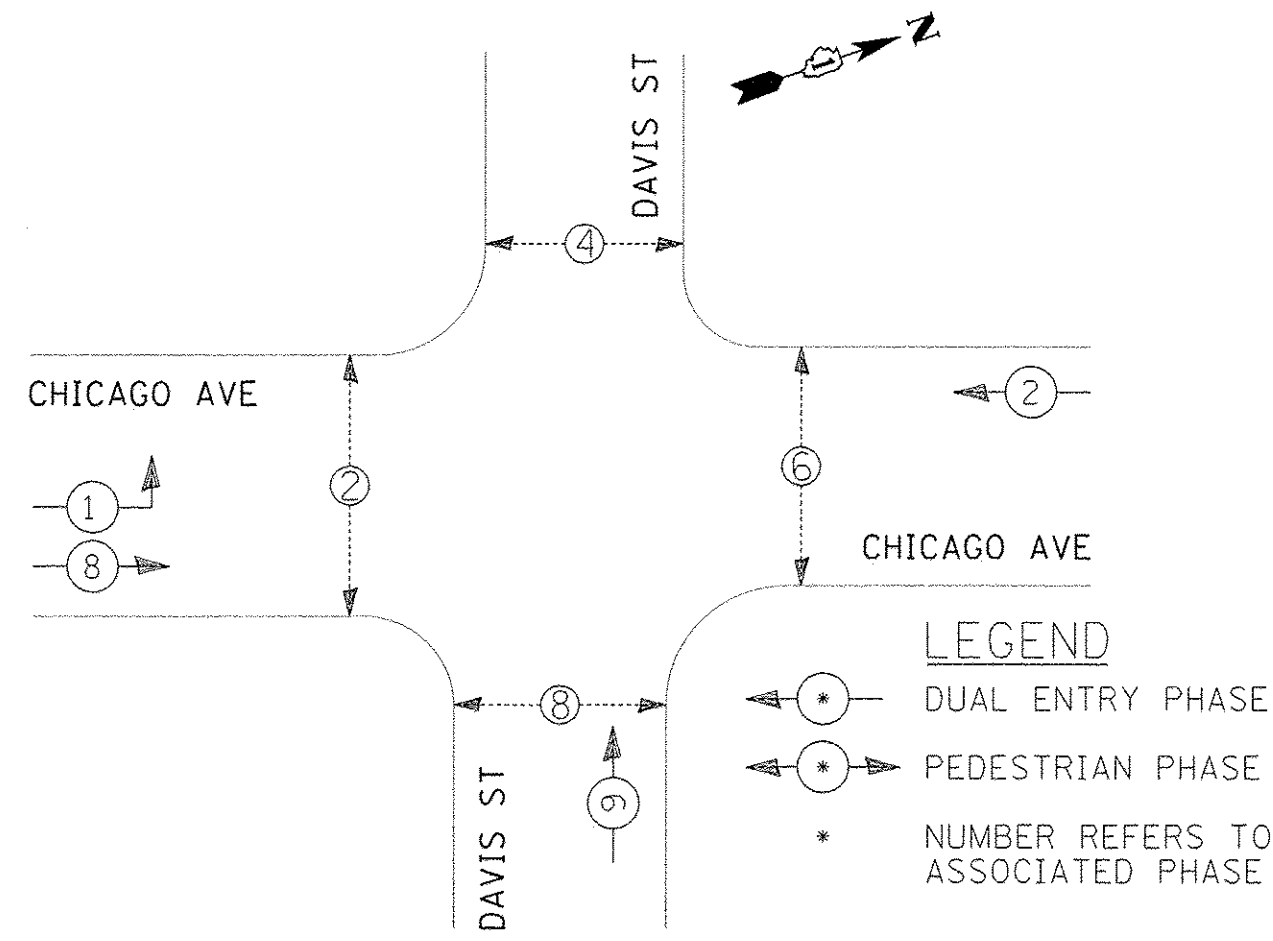
THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

TS SHT NO. 9

FILE NAME = W:\diststd\22x34\ts07.dgn	USER NAME = gogliobt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING	F.A.U. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.0000' / IN.	CHECKED - R.K.F.	REVISED -			2853	14-00273-00-BT	COOK	274	186
PLOT DATE = 1/4/2008	DATE -	REVISED -	REVISED -	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 61B36		
						FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**EXISTING CONTROLLER SEQUENCE**



**EXISTING CABLE PLAN**

(NOT TO SCALE)

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	9	11	50	49.5
(YELLOW)	9	20	5	9.0
(GREEN)	9	12	45	48.6
PERMISSIVE ARROW	4	10	10	4.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	-	25	100	-
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
<b>TOTAL =</b>				<b>371.1</b>

**NOTES:**

- ALL EXISTING TRAFFIC SIGNAL HEADS TO BE RETROFITTED WITH L.E.D. MODULES. THE 3-SECTION AND 5-SECTION HEADS TO BE RETROFITTED ARE NOTED ON THE CABLE PLAN.

ENERGY COSTS TO:

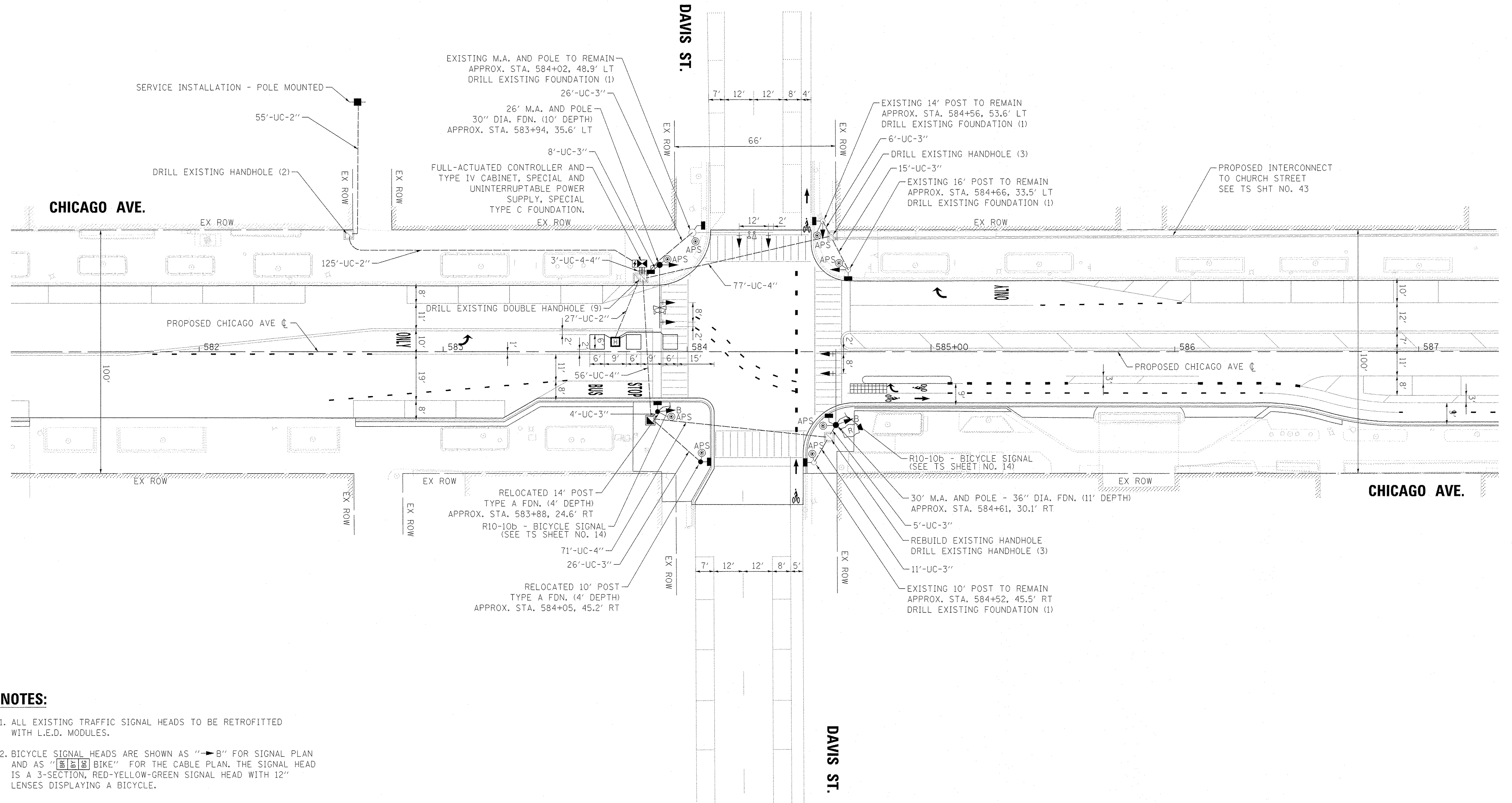
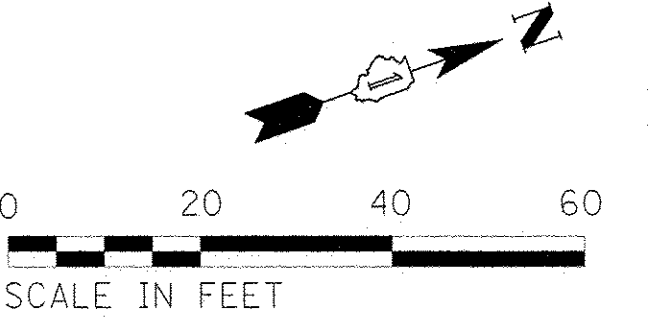
CITY OF EVANSTON

ENERGY SUPPLY: CONTACT: JOE STACHO  
 PHONE: (630) 424-5704  
 COMPANY: COMMONWEALTH EDISON  
 ACCOUNT NUMBER: ---

TS SHT NO. 11

FILE NAME = ts_sht_01-02_ChiDavis_EX.dgn	USER NAME = mrichard	DESIGNED - MBR	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CHICAGO AVE/SHERIDAN RD.: CHICAGO AVE. AT DAVIS ST. EXISTING CABLE PLAN &amp; EXISTING PHASE DESIGNATION</b>	F.A.U. RTE. 2853	SECTION 14-00273-00-BT	COUNTY COOK	TOTAL SHEETS 274	SHEET NO. 188		
Default	PLOT SCALE = 20,00000' / in.	CHECKED - DAJ	REVISED -			SCALE: NTS	SHEET OF SHEETS STA. TO STA.	CONTRACT NO. 61D36				
	PLOT DATE = 11/14/2016	DATE - 10/17/2016	REVISED -			ILLINOIS FED. AID PROJECT						





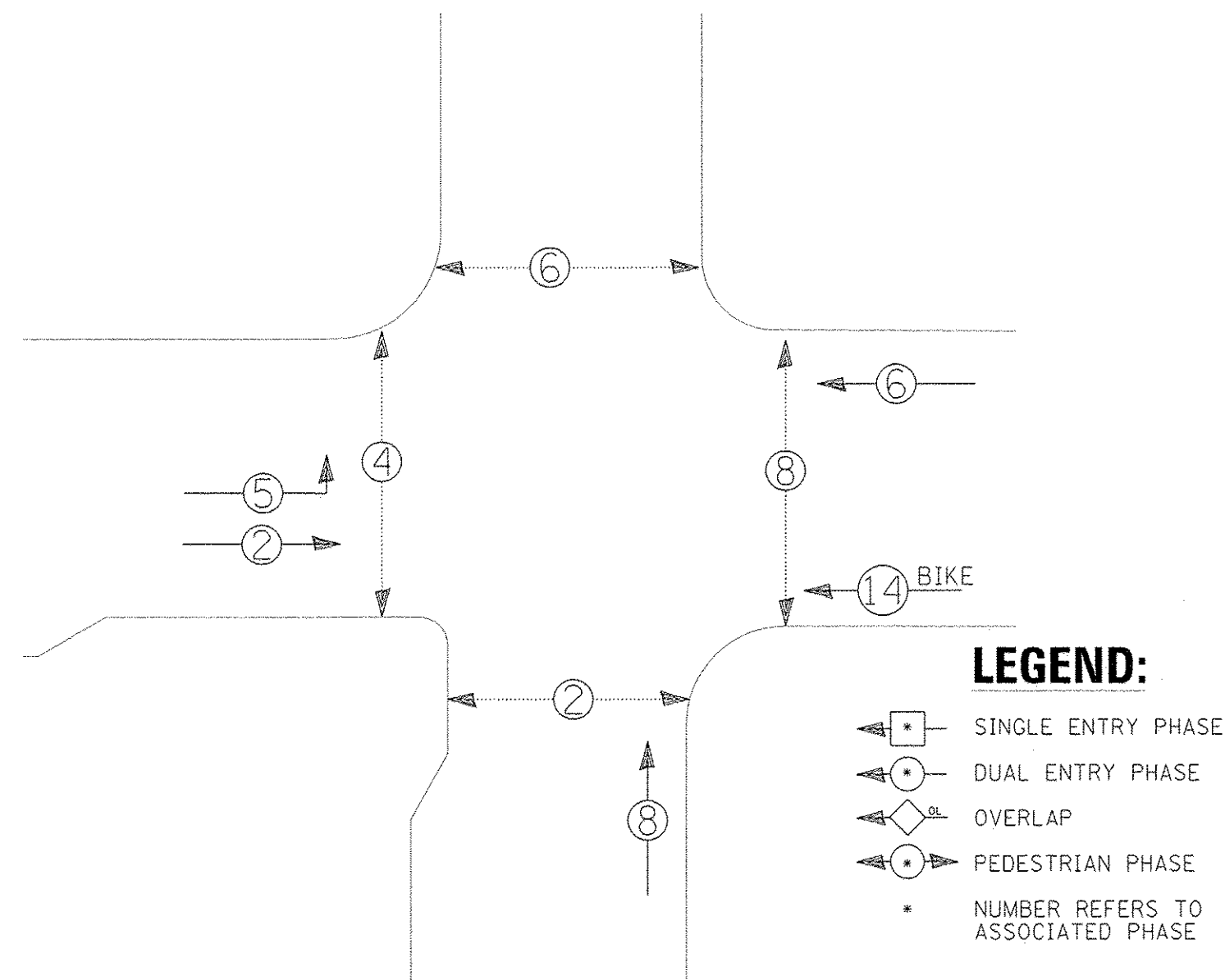
**NOTES:**

1. ALL EXISTING TRAFFIC SIGNAL HEADS TO BE RETROFITTED WITH L.E.D. MODULES.
2. BICYCLE SIGNAL HEADS ARE SHOWN AS "→B" FOR SIGNAL PLAN AND AS "BIKE" FOR THE CABLE PLAN. THE SIGNAL HEAD IS A 3-SECTION, RED-YELLOW-GREEN SIGNAL HEAD WITH 12" LENSES DISPLAYING A BICYCLE.

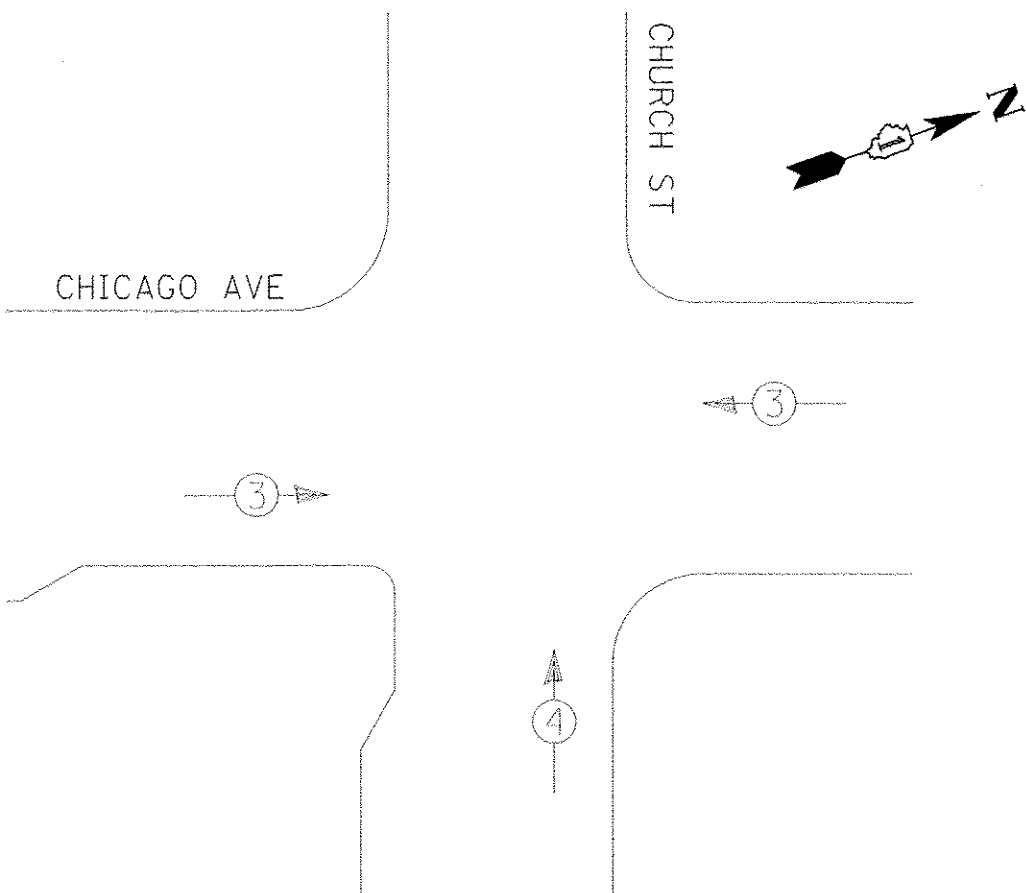
TS SHT NO. 12

FILE NAME = ts_sht_01-03_ChiDavis_PR.dgn	USER NAME = mrschard	DESIGNED - MBR	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CHICAGO AVE/SHERIDAN RD.: CHICAGO AVE. AT DAVIS ST. TRAFFIC SIGNAL PLAN</b>	F.A.U. RTE. 2853	SECTION 14-00273-00-BT	COUNTY COOK	TOTAL SHEETS 274	SHEET NO. 189		
PLOT SCALE = 20.0000' / 1" / in.	CHECKED - DAJ	REVISED -	SCALE: 1" = 20'			SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				
DATE = 10/17/2016	DATE = 10/17/2016	REVISED -	CONTRACT NO. 61D36									

**PROPOSED CONTROLLER SEQUENCE**



**PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	11	11	50	60.5
(YELLOW)	11	20	5	11.0
(GREEN)	11	12	45	59.4
PERMISSIVE ARROW	4	10	10	4.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
TOTAL =				419.9

ENERGY COSTS TO:

CITY OF EVANSTON

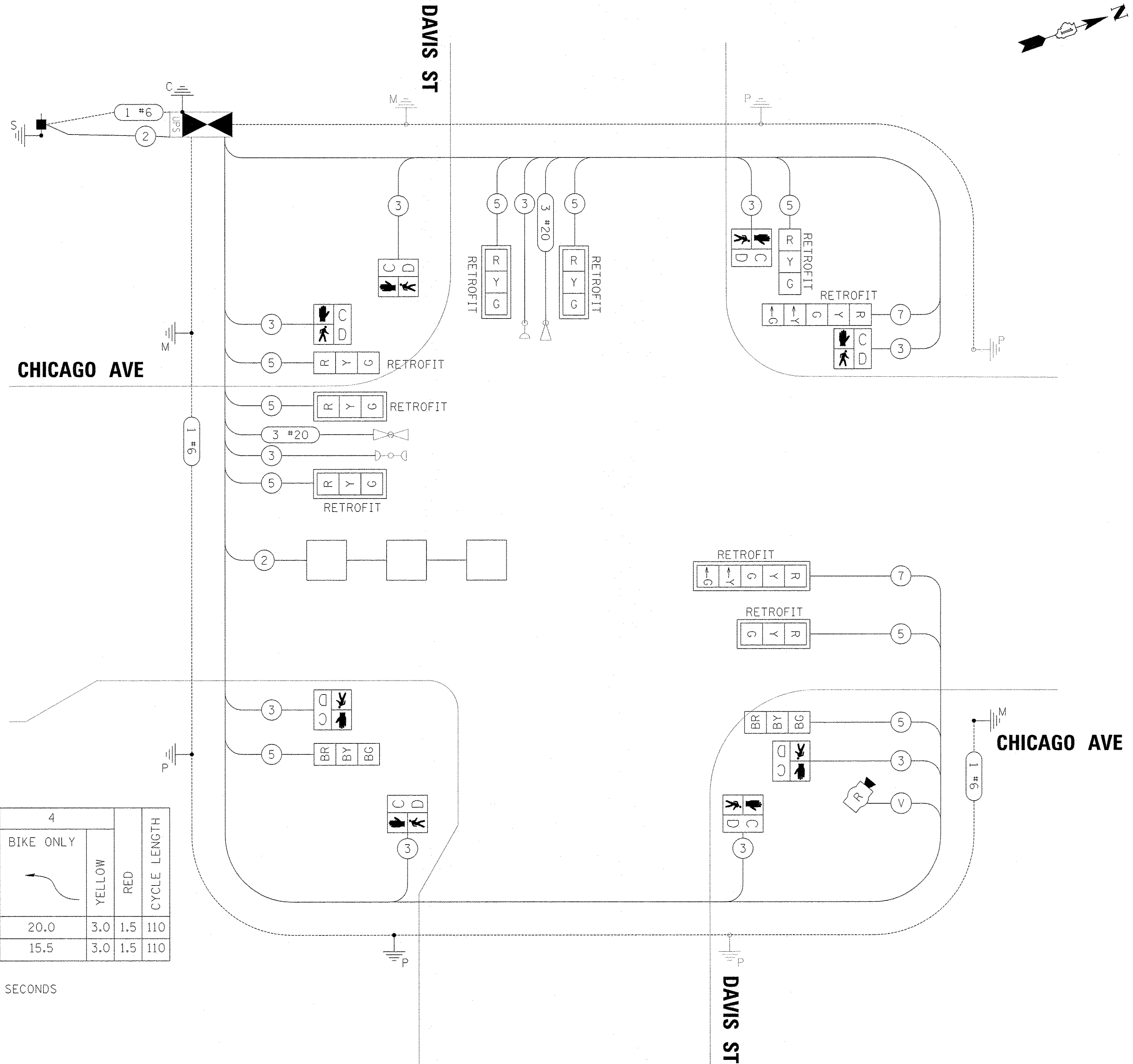
ENERGY SUPPLY: CONTACT: JOE STACHO  
 PHONE: (630) 424-5704  
 COMPANY: COMMONWEALTH EDISON  
 ACCOUNT NUMBER: ---

PHASE	1		2		3			4			CYCLE LENGTH	
	←	→	←	→	←	→	←	→	←	→		
GREEN TIME IN SECONDS	A.M. 28.5	3.0	12.0	4.5	4.5	27.0	4.5	1.5	20.0	3.0	1.5	110
	P.M. 46.0	3.0	5.0	4.5	1.5	21.0	4.5	1.5	15.5	3.0	1.5	110

- NOTE:**
- LPI = LEADING PEDESTRIAN INTERVAL, WHICH SHALL BE A MINIMUM OF 3 SECONDS
  - ALL RED TIMES SHALL BE 1.5 SECONDS.

**NOTES:**

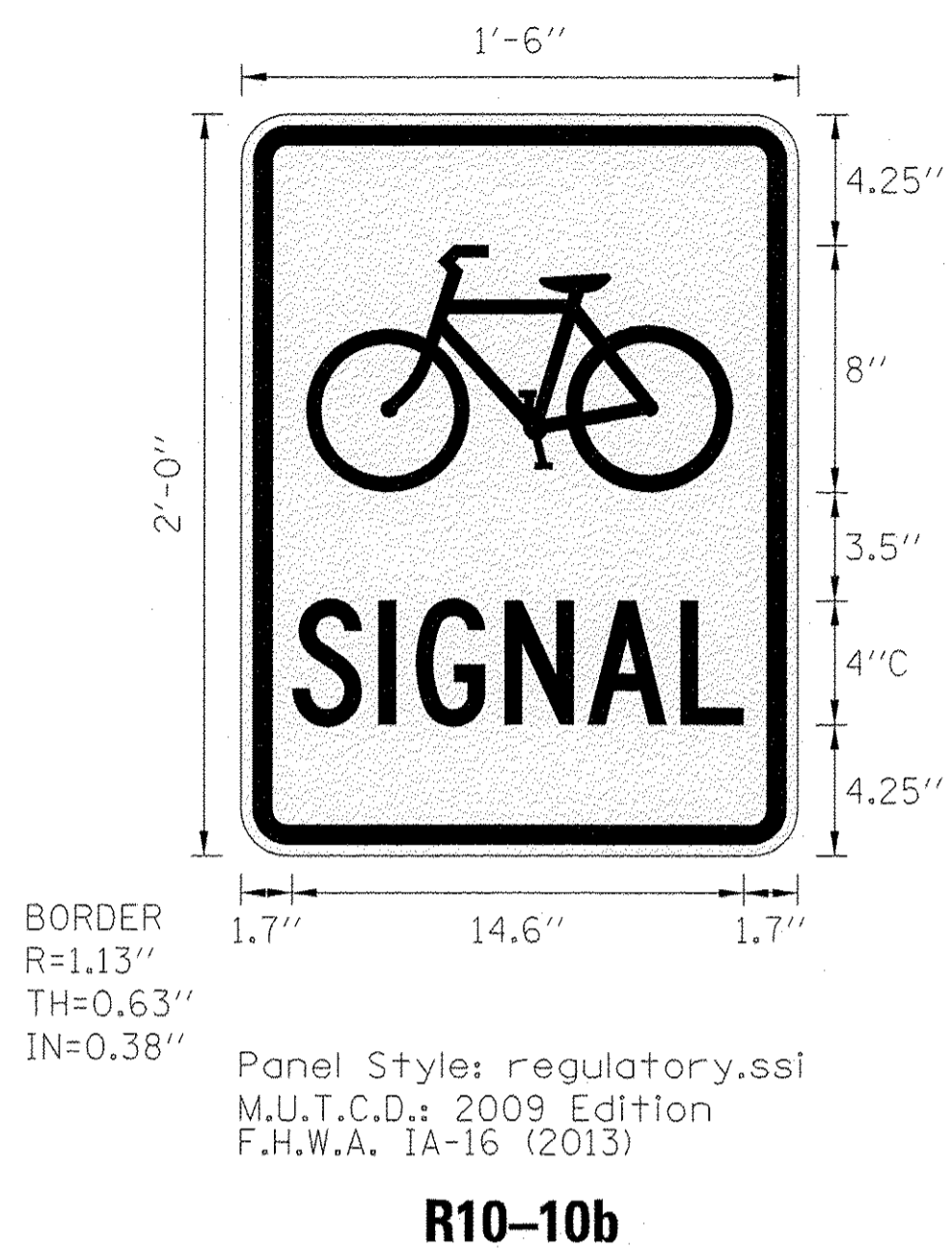
- BICYCLE SIGNAL HEADS ARE SHOWN AS "→B" FOR SIGNAL PLAN AND AS "B" FOR THE CABLE PLAN. THE SIGNAL HEAD IS A 3-SECTION, RED-YELLOW-GREEN SIGNAL HEAD WITH 12" LENSES DISPLAYING A BICYCLE.
- ALL EXISTING TRAFFIC SIGNAL HEADS ARE TO BE RETROFITTED WITH L.E.D. MODULES. THE 3-SECTION AND 5-SECTION HEADS TO BE RETROFITTED ARE NOTED ON THE CABLE PLAN.



**CABLE PLAN**  
(NOT TO SCALE)

TS SHT NO. 13

**SCHEDULE OF QUANTITIES**



**R10-10b**

ITEM DESCRIPTION	UNITS	TOTAL QTY.
SIGN PANEL - TYPE 1	SO FT	6
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	207
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	101
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	216
HANDHOLE	EACH	1
HEAVY-DUTY HANDHOLE	EACH	1
PAINT NEW MAST ARM AND POLE, UNDER 40 FOOT	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	925
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1150
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1012
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	356
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	154
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	206
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1097
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	8
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	11
DRILL EXISTING FOUNDATION	EACH	4
DRILL EXISTING HANDHOLE	EACH	17
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
INDUCTIVE LOOP DETECTOR	EACH	1
DETECTOR LOOP, TYPE I	FOOT	100
RELOCATE EXISTING SIGNAL HEAD	EACH	5
RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	2
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1
REMOVE EXISTING HANDHOLE	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	5
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	169
RADAR VEHICLE DETECTION SYSTEM	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
SIGNAL HEAD, LED, RETROFIT	EACH	9

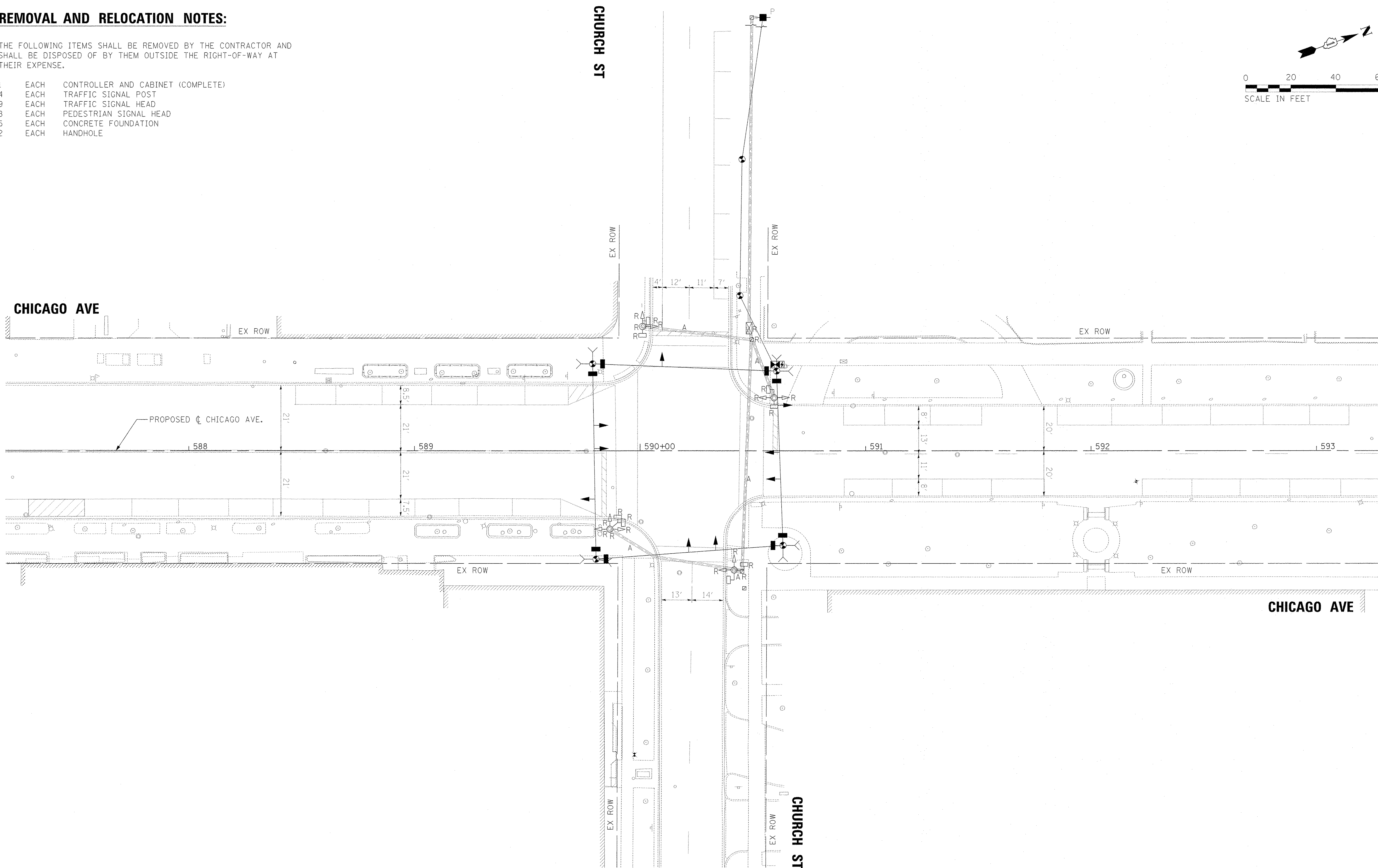
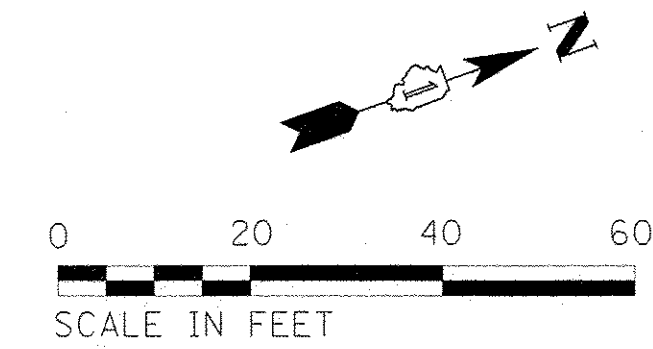
NOTE:  
THE TWO (2) BICYCLE SIGNAL HEADS (DISPLAYING A BICYCLE ON THE LENS) ARE PAID FOR AS 3-SECTION, BRACKET MOUNTED SIGNAL HEADS.

TS SHT NO. 14

**REMOVAL AND RELOCATION NOTES:**

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE.

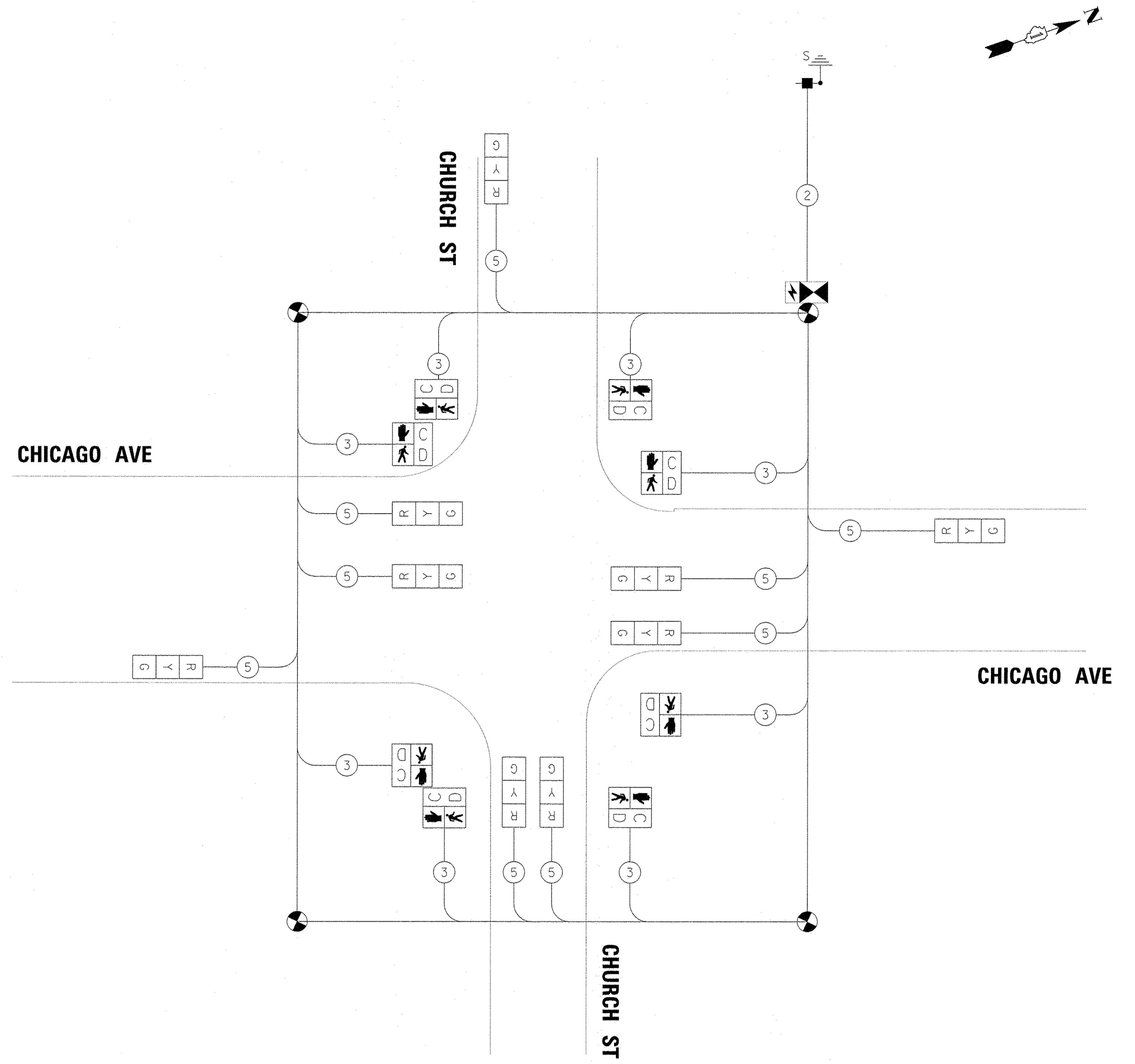
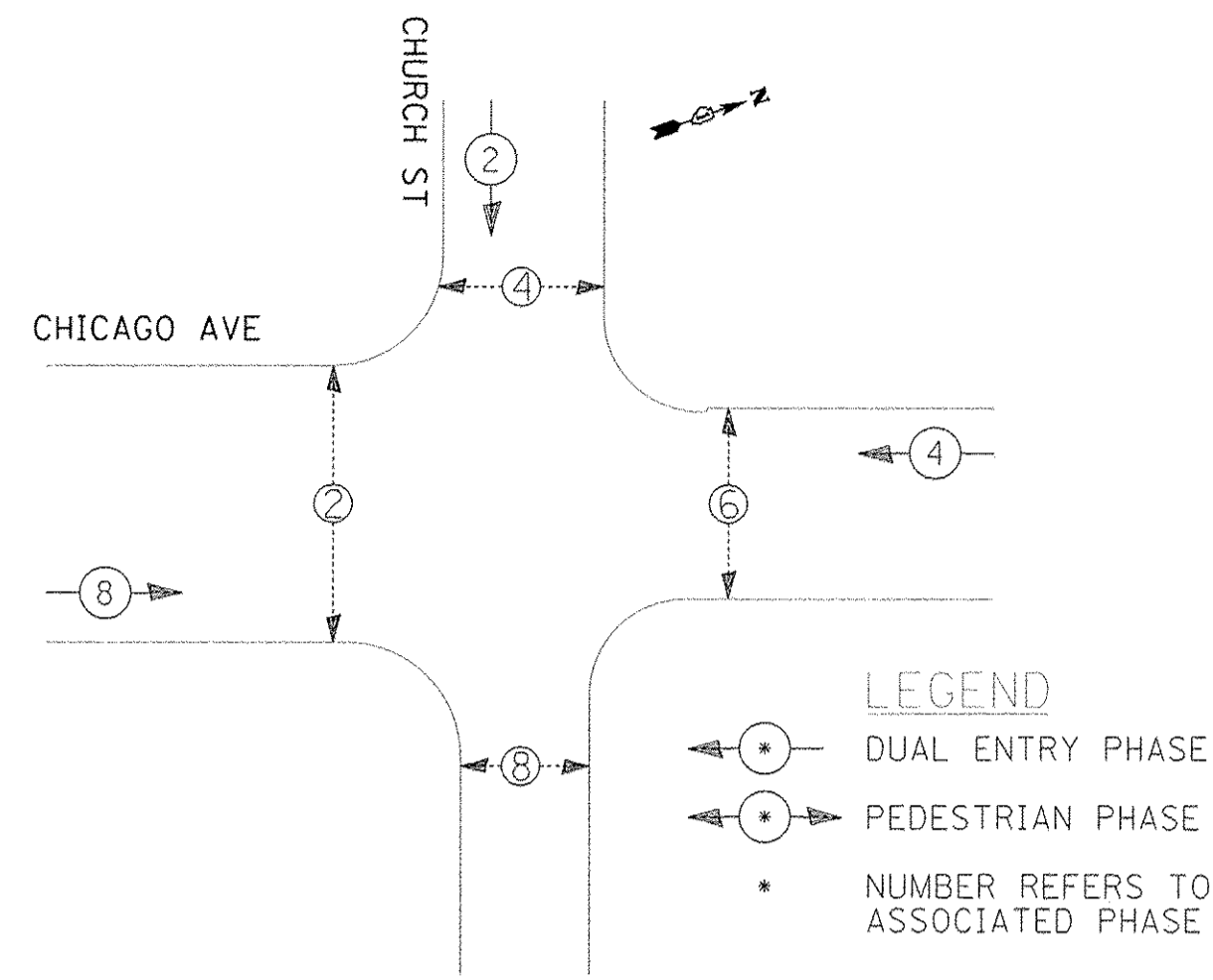
- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 4 EACH TRAFFIC SIGNAL POST
- 9 EACH TRAFFIC SIGNAL HEAD
- 8 EACH PEDESTRIAN SIGNAL HEAD
- 5 EACH CONCRETE FOUNDATION
- 2 EACH HANDHOLE



TS SHT NO. 15

FILE NAME = ts_sht_02-01.Church_EX.dgn	USER NAME = mrschard	DESIGNED - MBR	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CHICAGO AVE/SHERIDAN RD.: CHICAGO AVE. AT CHURCH ST. TEMP. TRAFFIC SIGNAL INSTALLAION &amp; REMOVE EX SIGNAL EQUIPMENT</b>	F.A.U. RTE. 2853	SECTION 14-00273-00-BT	COUNTY COOK	TOTAL SHEETS 274	SHEET NO. 192
	PLOT SCALE = 20.0000' / 1"	CHECKED - DAJ	REVISED -			CONTRACT NO. 61D36	ILLINOIS FED. AID PROJECT			
Default	PLOT DATE = 11/14/2016	DATE - 10/17/2016	REVISED -	SCALE: 1" = 20'		SHEET OF SHEETS STA. TO STA.				

**TEMPORARY CONTROLLER SEQUENCE**



**TEMPORARY CABLE PLAN**

(NOT TO SCALE)

**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	9	11	50	49.5
(YELLOW)	9	20	5	9.0
(GREEN)	9	12	45	48.6
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	-	25	100	-
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
<b>TOTAL =</b>				<b>367.1</b>

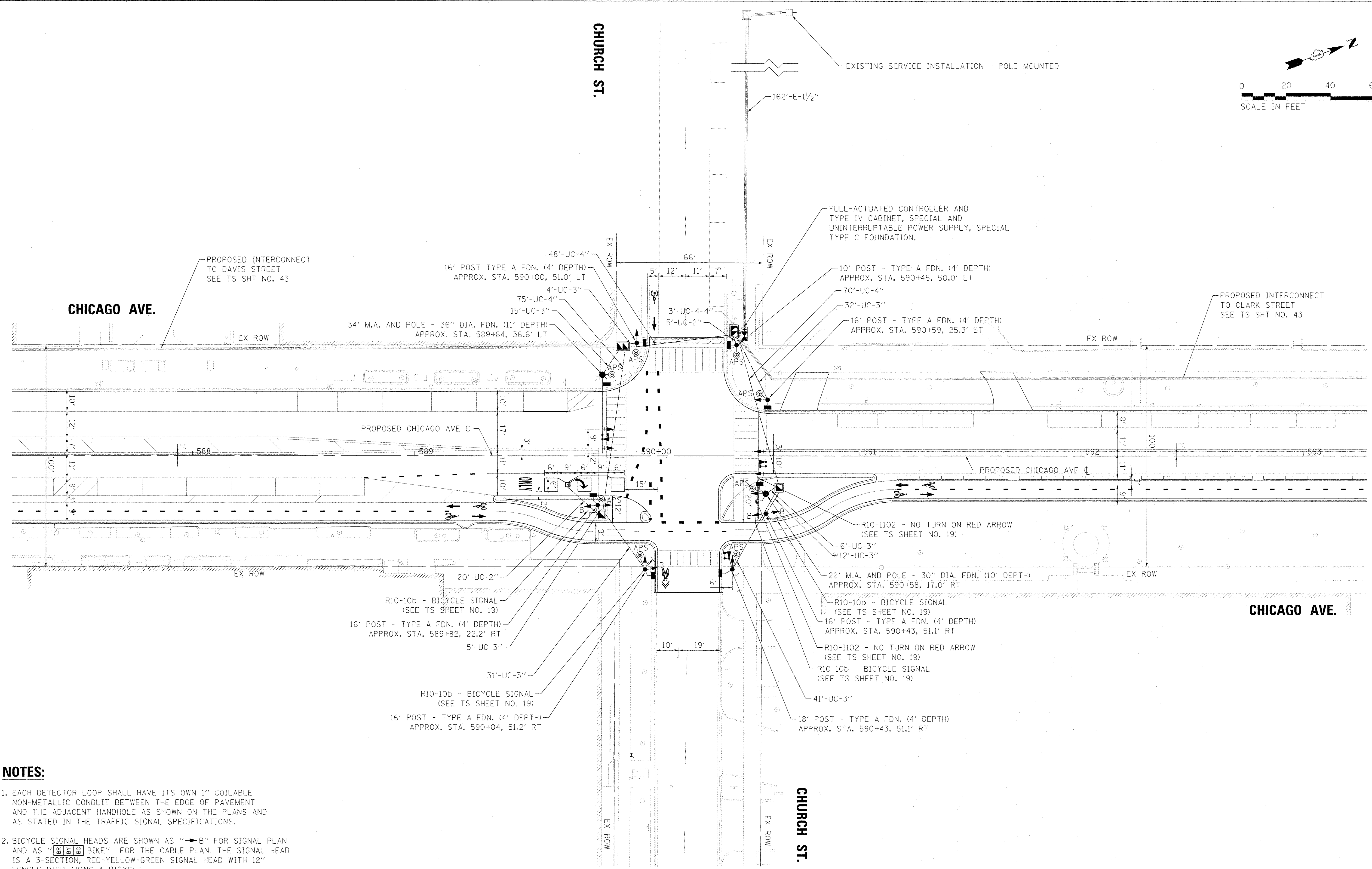
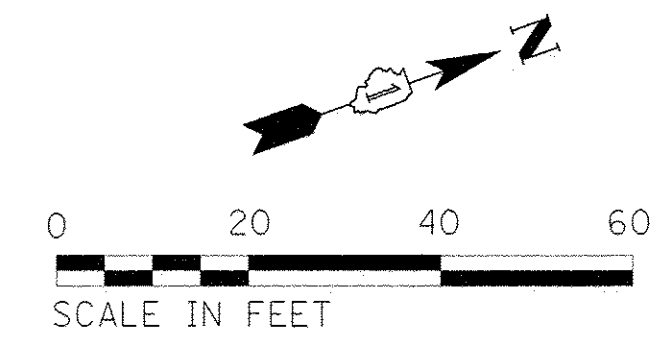
ENERGY COSTS TO:

CITY OF EVANSTON

ENERGY SUPPLY: CONTACT: JOE STACHO  
 PHONE: (630) 424-5704  
 COMPANY: COMMONWEALTH EDISON  
 ACCOUNT NUMBER: ---

TS SHT NO. 16

FILE NAME = ts_sht_02-02_ChiChurch_EX.dgn	USER NAME = mrichards	DESIGNED - MBR	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CHICAGO AVE/SHERIDAN RD.: CHICAGO AVE. AT CHURCH ST. TEMP. CABLE PLAN &amp; TEMP. PHASE DESIGNATION</b>	F.A.U. RTE. 2853	SECTION 14-00273-00-BT	COUNTY COOK	TOTAL SHEETS 274	SHEET NO. 193		
Default	PLOT SCALE = 20.00000' / in.	CHECKED - DAJ	REVISED -			SCALE: NTS	SHEET OF SHEETS STA. TO STA.	CONTRACT NO. 61D36				
	PLOT DATE = 11/14/2016	DATE - 10/17/2016	REVISED -			ILLINOIS FED. AID PROJECT						

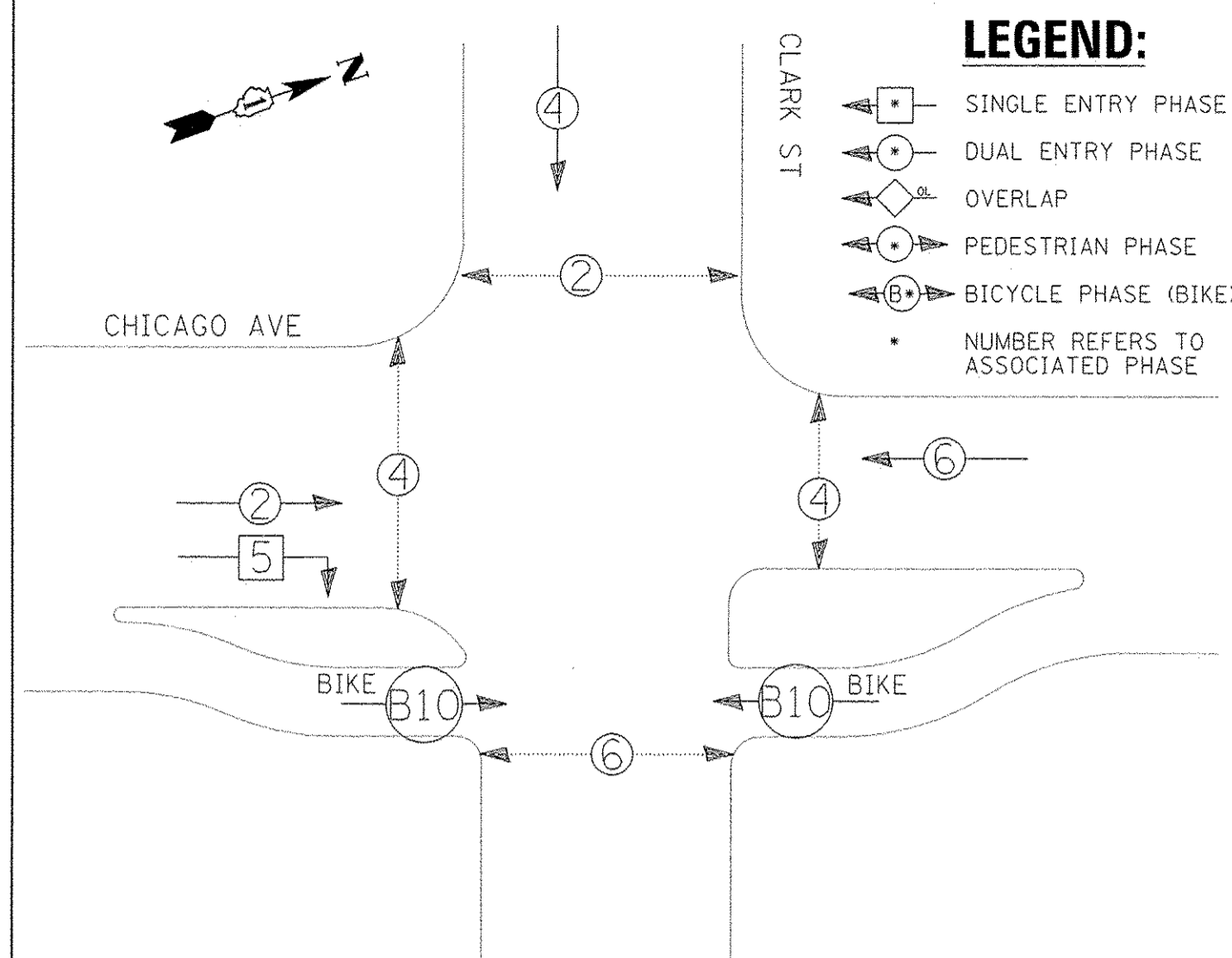


1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
2. BICYCLE SIGNAL HEADS ARE SHOWN AS "→B" FOR SIGNAL PLAN AND AS "BIKE" FOR THE CABLE PLAN. THE SIGNAL HEAD IS A 3-SECTION, RED-YELLOW-GREEN SIGNAL HEAD WITH 12" LENSES DISPLAYING A BICYCLE.

TS SHT NO. 17

FILE NAME = ts_sht_02-03_ChChurch_PR.dgn	USER NAME = mitchard	DESIGNED - MBR	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CHICAGO AVE/SHERIDAN RD.: CHICAGO AVE. AT CHURCH ST. TRAFFIC SIGNAL PLAN</b>			F.A.U. RTE. 2853	SECTION 14-00273-00-BT	COUNTY COOK	TOTAL SHEETS 274	SHEET NO. 194
Default	PLOT SCALE = 20.0000' / in.	DRAWN - MBR	REVISED -		SCALE: 1" = 20'	SHEET	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 61D36	
	PLOT DATE = 11/14/2016	CHECKED - DAJ	REVISED -								ILLINOIS FED. AID PROJECT	
		DATE - 10/17/2016	REVISED -									

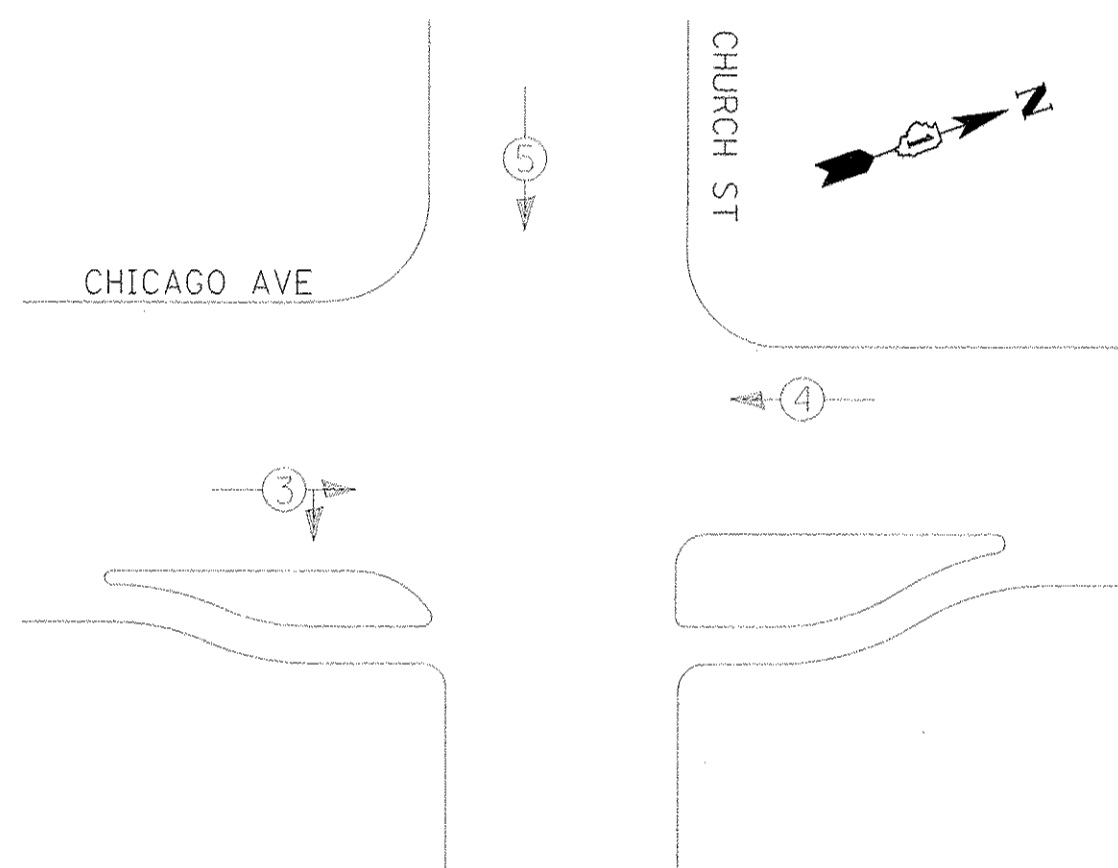
**PROPOSED CONTROLLER SEQUENCE**



**LEGEND:**

- SINGLE ENTRY PHASE
- DUAL ENTRY PHASE
- OVERLAP
- PEDESTRIAN PHASE
- BICYCLE PHASE (BIKE)
- NUMBER REFERS TO ASSOCIATED PHASE

**PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE**



**TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	6	10	10	6.0
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
<b>TOTAL =</b>				<b>433.8</b>

ENERGY COSTS TO:

CITY OF EVANSTON

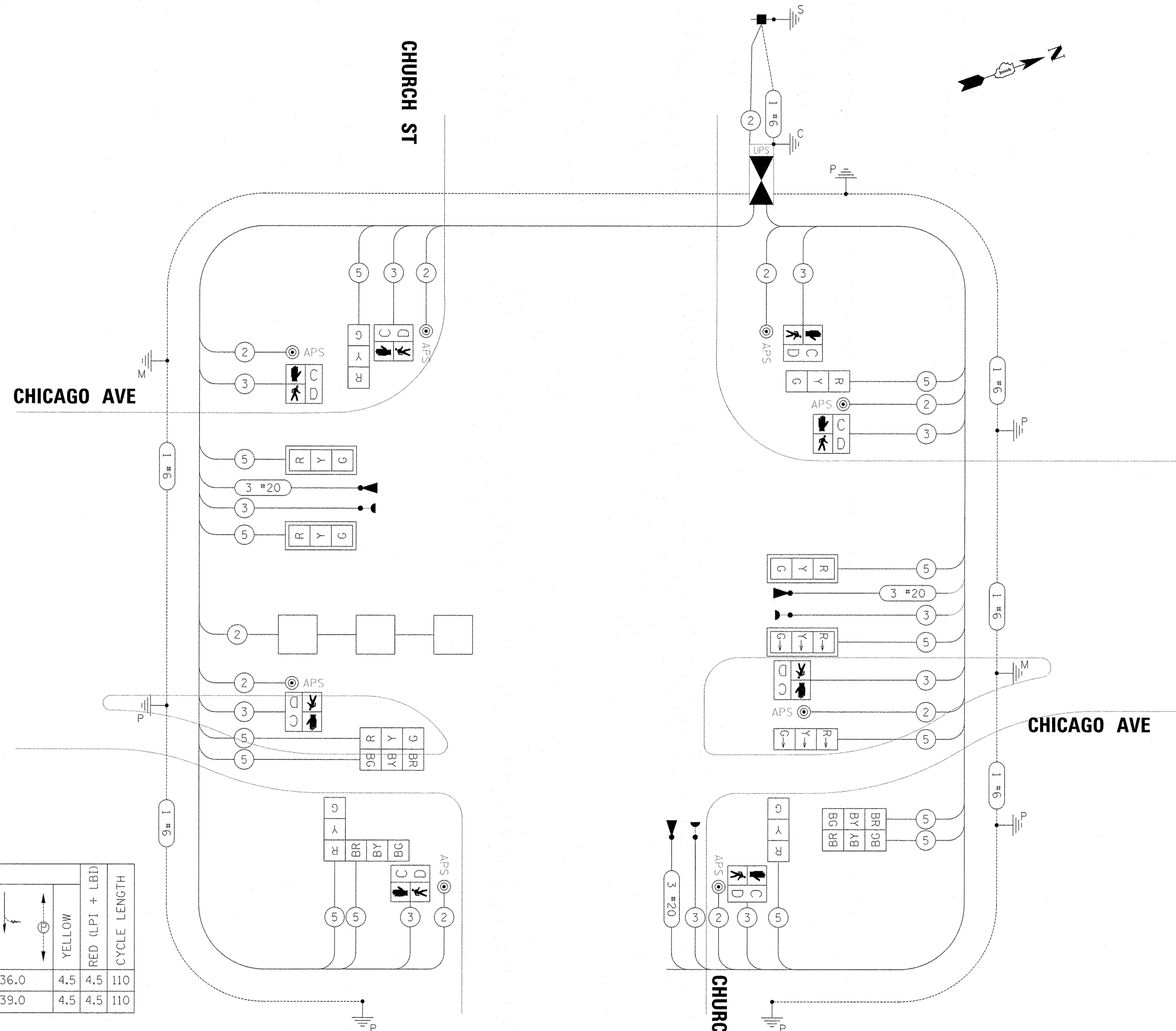
ENERGY SUPPLY: CONTACT: JOE STACHO  
 PHONE: (630) 424-5704  
 COMPANY: COMMONWEALTH EDISON  
 ACCOUNT NUMBER: ---

PHASE	1		2		3		CYCLE LENGTH
	GREEN	YELLOW	GREEN	YELLOW	RED (LPI)	YELLOW	
GREEN TIME IN SECONDS	A.M. 19.0	3.0	P.M. 34.0	4.5	4.5	36.0	4.5
	19.0	3.0	11.0	4.5	4.5	39.0	4.5

- NOTE:**
- LPI = LEADING PEDESTRIAN INTERVAL
  - LBI = LEADING BICYCLE INTERVAL
  - ALL RED TIMES SHALL BE 4.5 SECONDS.

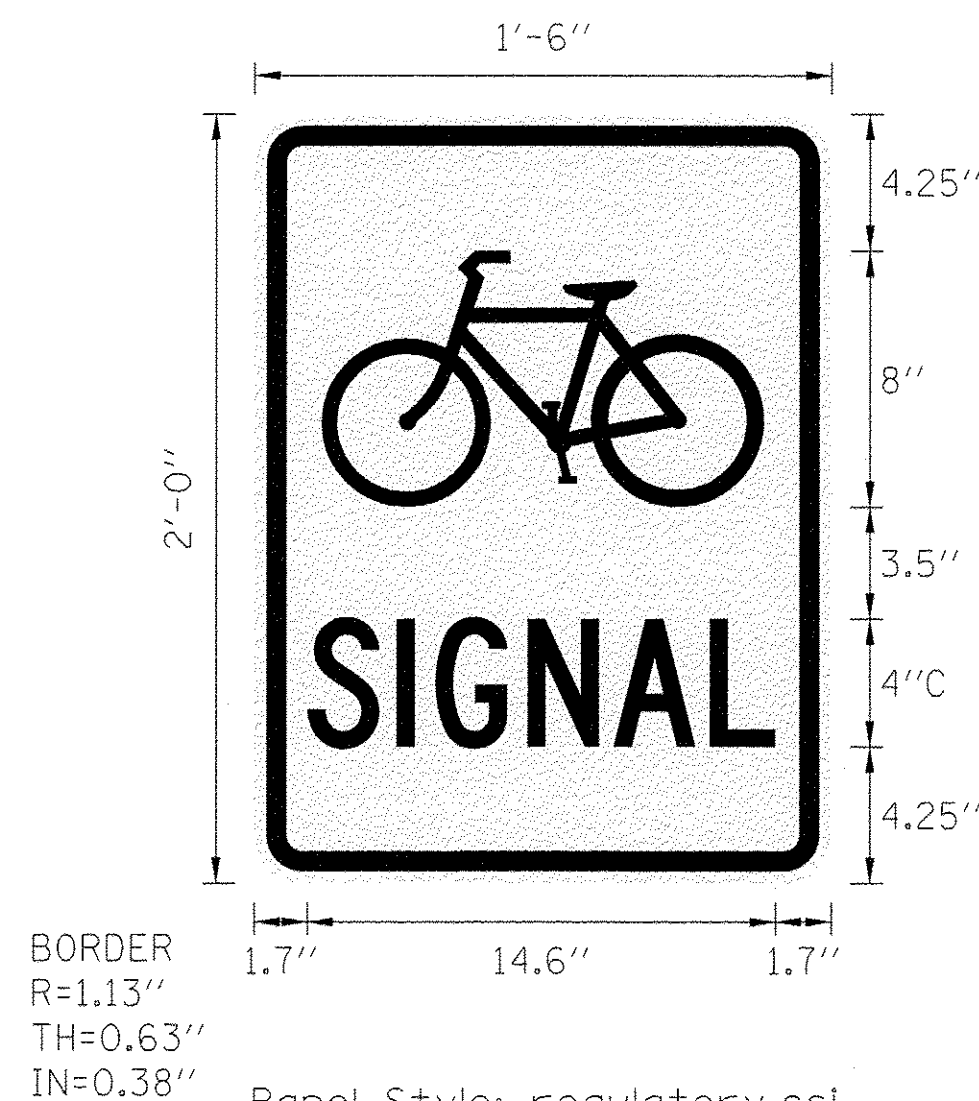
**NOTES:**

- BICYCLE SIGNAL HEADS ARE SHOWN AS "→B" FOR SIGNAL PLAN AND AS "BIKE" FOR THE CABLE PLAN. THE SIGNAL HEAD IS A 3-SECTION, RED-YELLOW-GREEN SIGNAL HEAD WITH 12" LENSES DISPLAYING A BICYCLE.



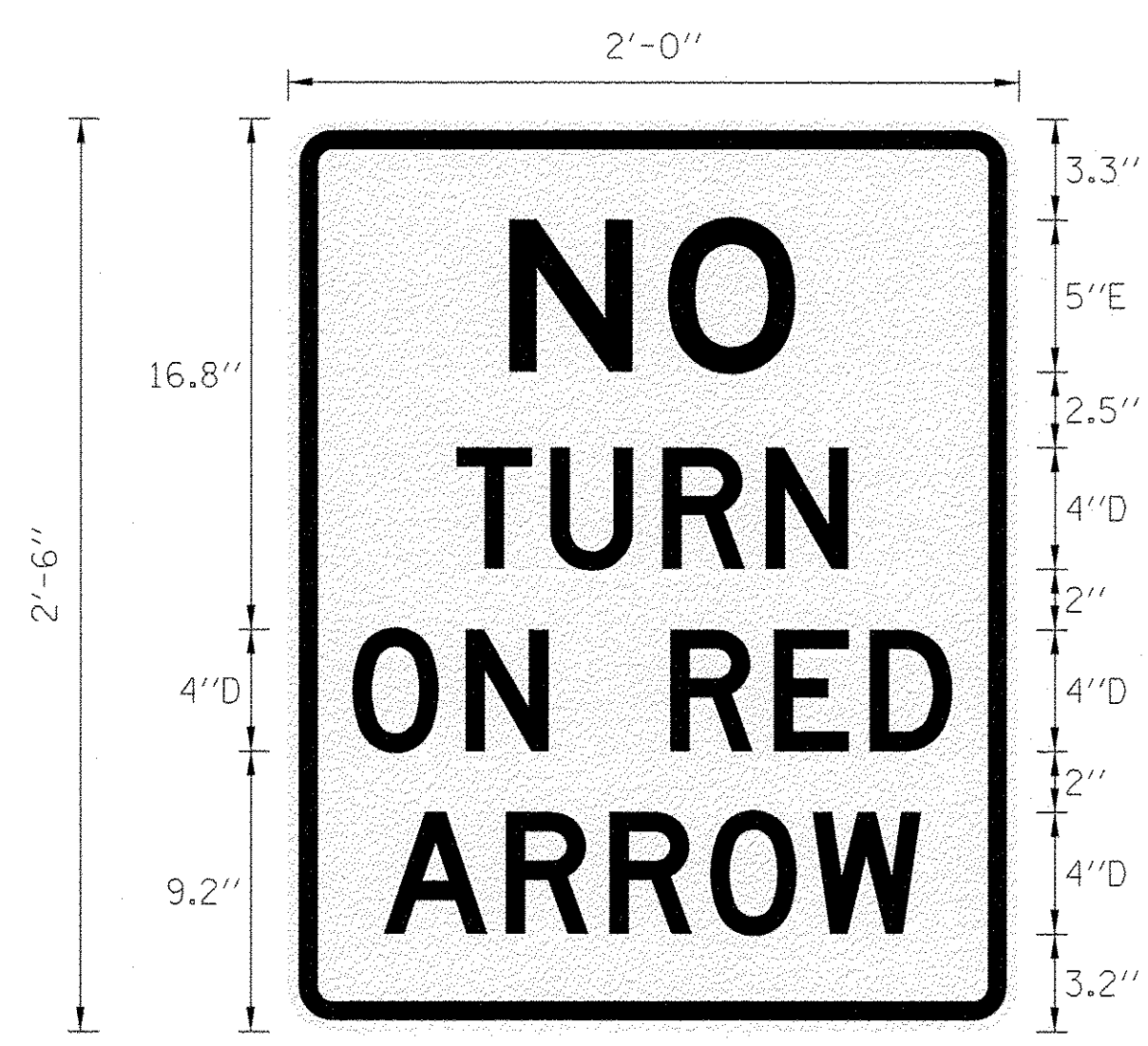
**CABLE PLAN**  
(NOT TO SCALE)

TS SHT NO. 18



BORDER  
R=1.13"  
TH=0.63"  
IN=0.38"  
Panel Style: regulatory.ssi  
M.U.T.C.D.: 2009 Edition  
F.H.W.A. IA-16 (2013)

**R10-10b**



BORDER  
R=1.13"  
TH=0.63"  
IN=0.38"  
Panel Style: regulatory.ssi  
M.U.T.C.D.: 2009 Edition

**R10-1102**

**SCHEDULE OF QUANTITIES**

ITEM DESCRIPTION	UNITS	TOTAL QTY.
SIGN PANEL - TYPE 1	SO FT	22
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	25
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	146
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	205
HANDHOLE	EACH	2
HEAVY-DUTY HANDHOLE	EACH	1
DOUBLE HANDHOLE	EACH	2
PAINT NEW TRAFFIC SIGNAL POST	EACH	6
PAINT NEW MAST ARM AND POLE, UNDER 40 FOOT	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	951
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1448
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2041
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	290
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1038
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	5
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	28
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	11
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	10
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	4
INDUCTIVE LOOP DETECTOR	EACH	1
DETECTOR LOOP, TYPE I	FOOT	100
LIGHT DETECTOR	EACH	3
LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	2
REMOVE EXISTING CONCRETE FOUNDATION	EACH	5
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	441
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8

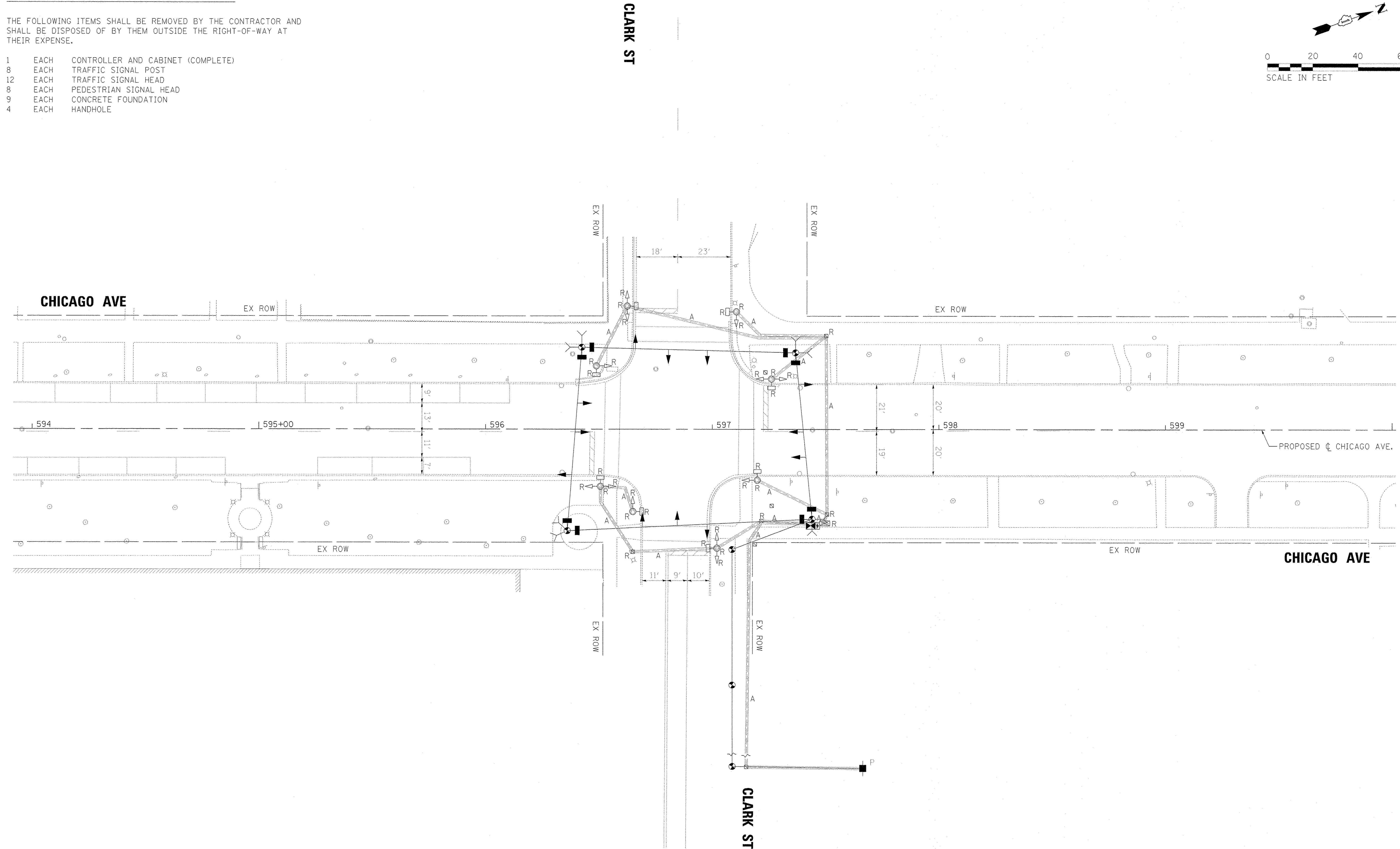
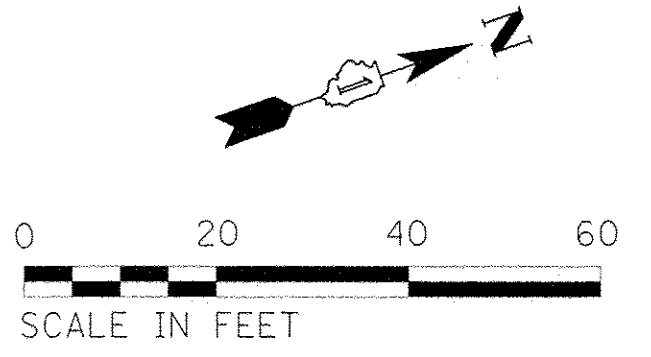
NOTE:  
THE FOUR (4) BICYCLE SIGNAL HEADS  
(DISPLAYING A BICYCLE ON THE LENS)  
ARE PAID FOR AS 3-SECTION,  
BRACKET MOUNTED SIGNAL HEADS.



**REMOVAL AND RELOCATION NOTES:**

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE.

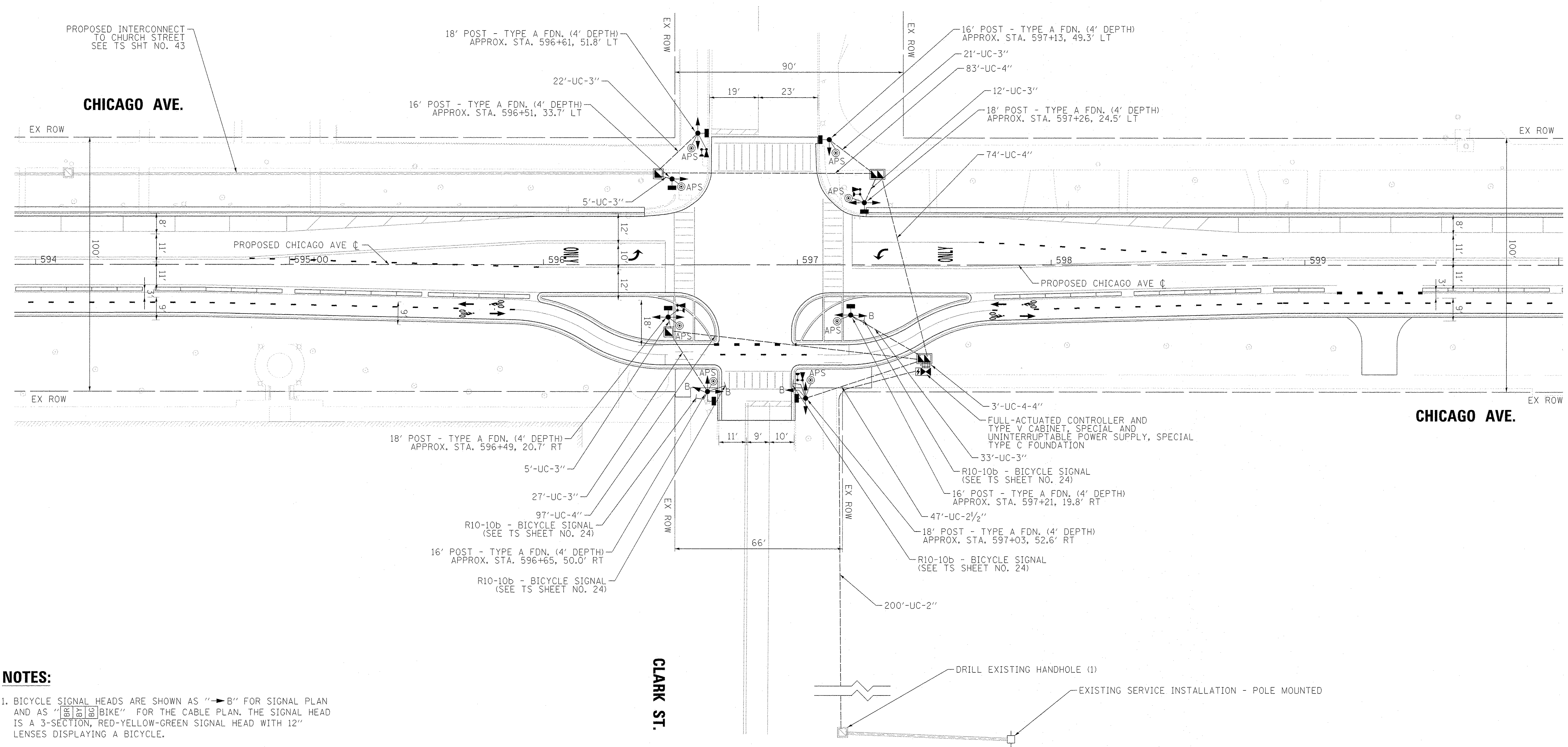
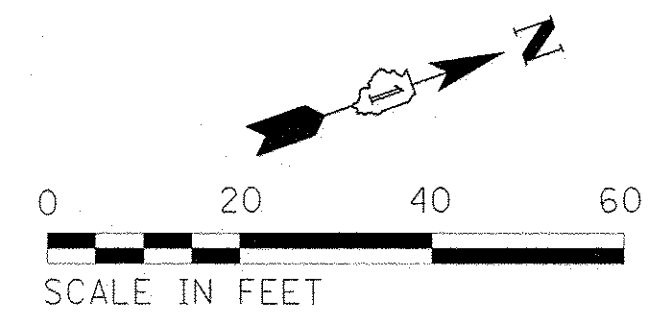
- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 8 EACH TRAFFIC SIGNAL POST
- 12 EACH TRAFFIC SIGNAL HEAD
- 8 EACH PEDESTRIAN SIGNAL HEAD
- 9 EACH CONCRETE FOUNDATION
- 4 EACH HANDHOLE



TS SHT NO. 20

FILE NAME = ts_sht_03-01.ChClark_EX.dgn	USER NAME = mrichards	DESIGNED - MBR	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CHICAGO AVE/SHERIDAN RD.: CHICAGO AVE. AT CLARK ST. TEMP. TRAFFIC SIGNAL INSTALLATION &amp; REMOVE EX SIGNAL EQUIPMENT</b>	F.A.U. RTE. 2853	SECTION 14-00273-00-BT	COUNTY COOK	TOTAL SHEETS 274	SHEET NO. 197
	PLOT SCALE = 20.0000' / in.	CHECKED - DAJ	REVISED -			SCALE: 1" = 20' SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 61D36		[ILLINOIS] FED. AID PROJECT
Default	PLOT DATE = 11/14/2016	DATE - 10/17/2016	REVISED -							





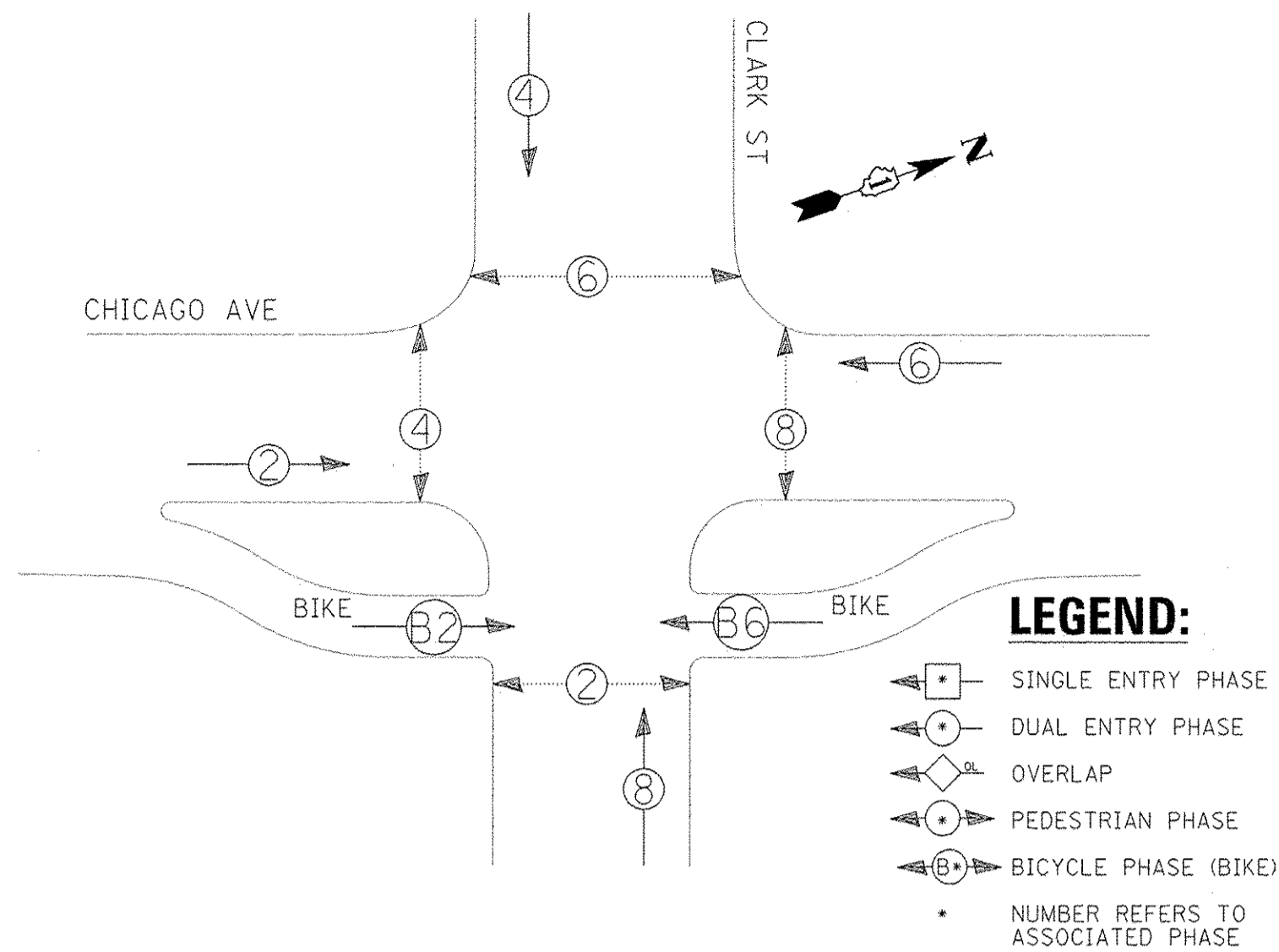
**NOTES:**

1. BICYCLE SIGNAL HEADS ARE SHOWN AS "→B" FOR SIGNAL PLAN AND AS "BIKE" FOR THE CABLE PLAN. THE SIGNAL HEAD IS A 3-SECTION, RED-YELLOW-GREEN SIGNAL HEAD WITH 12" LENSES DISPLAYING A BICYCLE.

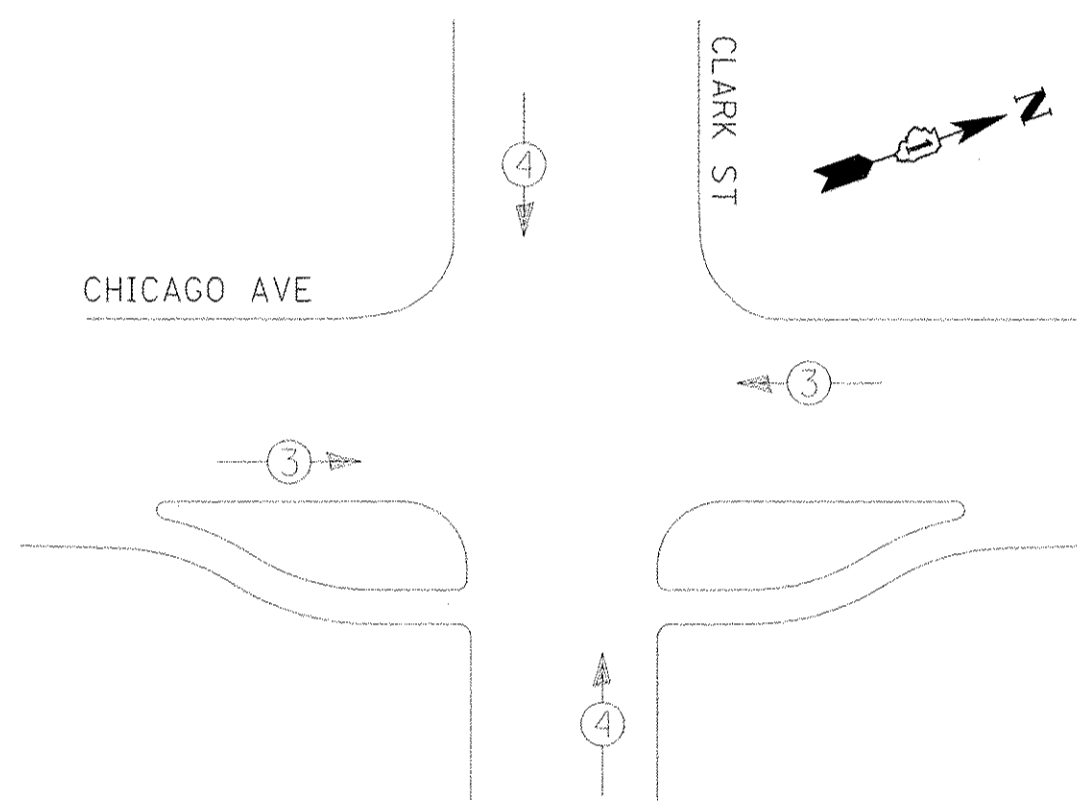
TS SHT NO. 22

FILE NAME = ts_sht_03-03_ChiClark.PR.dgn	USER NAME = mrichard	DESIGNED - MBR	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CHICAGO AVE/SHERIDAN RD.: CHICAGO AVE. AT CLARK ST. TRAFFIC SIGNAL PLAN</b>	F.A.U. RTE. 2853	SECTION 14-00273-00-BT	COUNTY COOK	TOTAL SHEETS 274	SHEET NO. 199
PLOT SCALE = 20.0000' / 1" / in.	CHECKED - DAJ	REVISOR -	REVISOR -			CONTRACT NO. 61036				
DATE - 10/17/2016	DATE -	DATE -	DATE -			ILLINOIS FED. AID PROJECT				
Default	PLOT DATE = 11/14/2016	DATE -	DATE -			SCALE: 1" = 20'	SHEET OF SHEETS STA. TO STA.			

**PROPOSED CONTROLLER SEQUENCE**



**PROPOSED EMERGENCY VEHICLE  
PREEMPTION SEQUENCE**



**LEGEND:**  
 [Symbol] SINGLE ENTRY PHASE  
 [Symbol] DUAL ENTRY PHASE  
 [Symbol] OVERLAP  
 [Symbol] PEDESTRIAN PHASE  
 [Symbol] BICYCLE PHASE (BIKE)  
 \* NUMBER REFERS TO ASSOCIATED PHASE

CHICAGO AVE

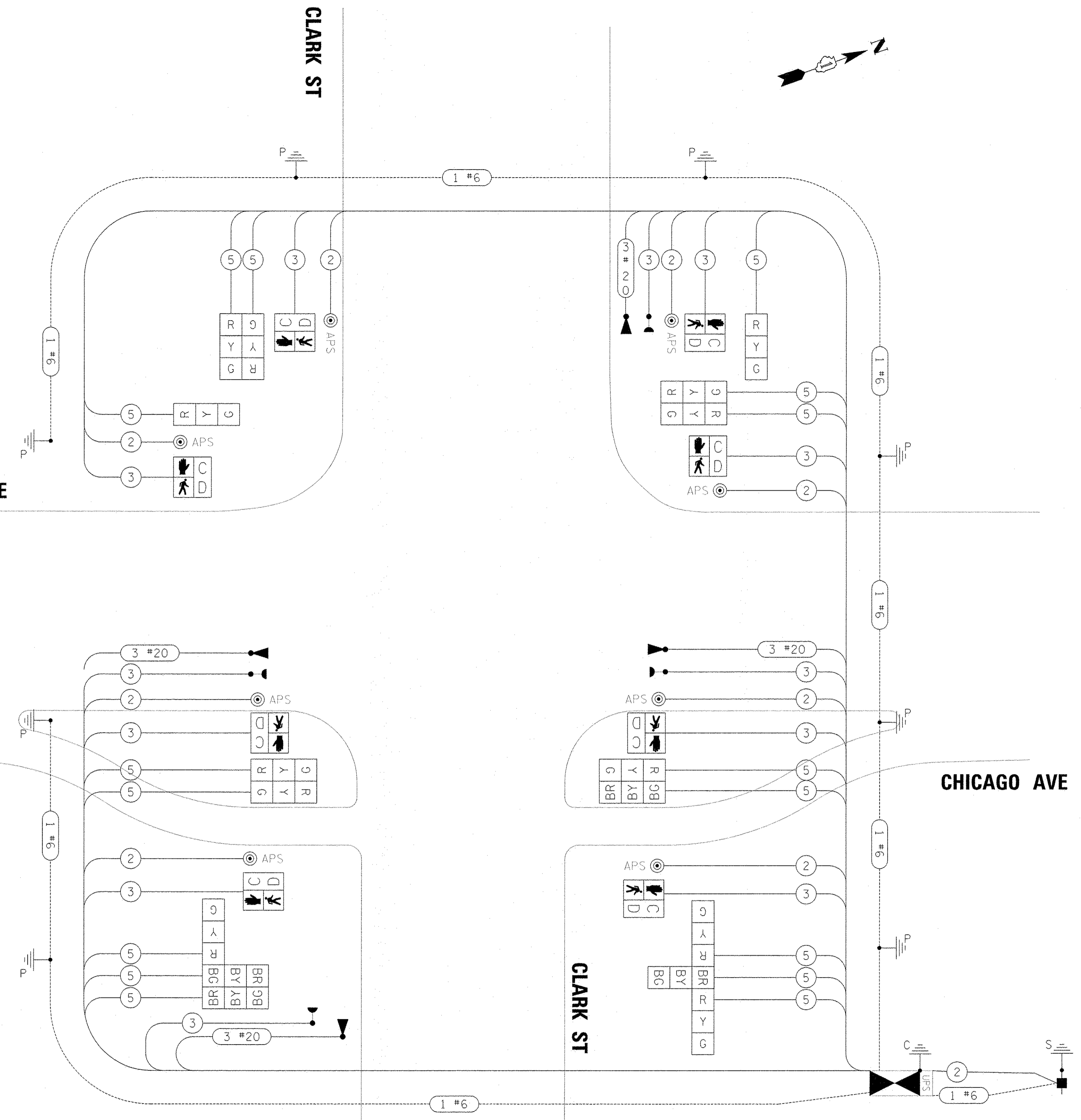
CLARK ST

CHICAGO AVE

CLARK ST

CHICAGO AVE

**CABLE PLAN**  
(NOT TO SCALE)



**TRAFFIC SIGNAL  
ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	11	50	88.0
(YELLOW)	16	20	5	16.0
(GREEN)	16	12	45	86.4
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
<b>TOTAL =</b>				<b>475.4</b>

PHASE	1			2			RED (LPI + LBI)	CYCLE LENGTH
	GREEN TIME IN SECONDS	A.M.	P.M.	GREEN TIME IN SECONDS	A.M.	P.M.		
[Diagram]	55.0	53.0	53.0	37.0	39.0	39.0	4.5	110

- NOTES:**  
 1. LPI = LEADING PEDESTRIAN INTERVAL  
 2. LBI = LEADING BICYCLE INTERVAL  
 3. ALL RED TIMES SHALL BE 4.5 SECONDS.

**NOTES:**

1. BICYCLE SIGNAL HEADS ARE SHOWN AS "→B" FOR SIGNAL PLAN AND AS "BIKE" FOR THE CABLE PLAN. THE SIGNAL HEAD IS A 3-SECTION, RED-YELLOW-GREEN SIGNAL HEAD WITH 12" LENSES DISPLAYING A BICYCLE.

TS SHT NO. 23

ENERGY COSTS TO:  
CITY OF EVANSTON

ENERGY SUPPLY: CONTACT: JOE STACHO  
 PHONE: (630) 424-5704  
 COMPANY: COMMONWEALTH EDISON  
 ACCOUNT NUMBER: ---

FILE NAME = ts_sht_03-04_ChiClark_PR.dgn	USER NAME = mrschardt	DESIGNED - MBR	REVISED -
PLOT SCALE = 20.0000' / in.		DRAWN - MBR	REVISED -
PLOT DATE = 11/17/2016		CHECKED - DAJ	REVISED -
		DATE - 10/17/2016	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CHICAGO AVE/SHERIDAN RD.: CHICAGO AVE. AT CLARK ST.  
CABLE PLAN, PHASE DESIGNATION & EVP SEQUENCE

SCALE: NTS SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 2853	SECTION 14-00273-00-BT	COUNTY COOK	TOTAL SHEETS 274	SHEET NO. 200
CONTRACT NO. 61D36			ILLINOIS FED. AID PROJECT	