

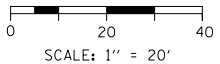
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PROPOSED DRAINAGE AND UTILITIES LEGEND

- | | | | | | |
|---|---------------------------------------|---|---|----------------|--|
| ⊙ | EXISTING MANHOLE | ⊙ | PROPOSED MANHOLE | --- | STORM SEWER TO BE INSTALLED BY OTHERS |
| ○ | EXISTING CATCH BASIN | ● | PROPOSED CATCH BASIN | --- | ABANDON AND FILL EXISTING STORM SEWER |
| □ | EXISTING INLET | ▬ | PROPOSED INLET | → | PROPOSED STORM SEWER |
| ⊙ | MANHOLE TO BE INSTALLED BY OTHERS | ▬ | EXISTING BRIDGE SCUPPER | → | PROPOSED STORM SEWER TO BE INSTALLED BY OTHERS (62A77 AND 60X94) |
| ● | CATCH BASIN TO BE INSTALLED BY OTHERS | ■ | DRAINAGE STRUCTURE TYPE 4 TO BE INSTALLED BY OTHERS | | |
| ▬ | INLET TO BE INSTALLED BY OTHERS | | | | |

NOTES:

- SEE SHEET 771 FOR ADDITIONAL INFORMATION ON STATION, OFFSET AND RIM ELEVATION.
- SEE SHEET 771 FOR ADDITIONAL INFORMATION ON TYPE OF GUTTER BUMP OUTS.



D162A76-Sht-Drain-08.dgn
 USER NAME = mkwilson
 PLOT SCALE = 40.0006' / in.
 PLOT DATE = 3/9/2020

DESIGNED - MRC
 DRAWN - MRC
 CHECKED - JMG
 DATE - 3/4/20

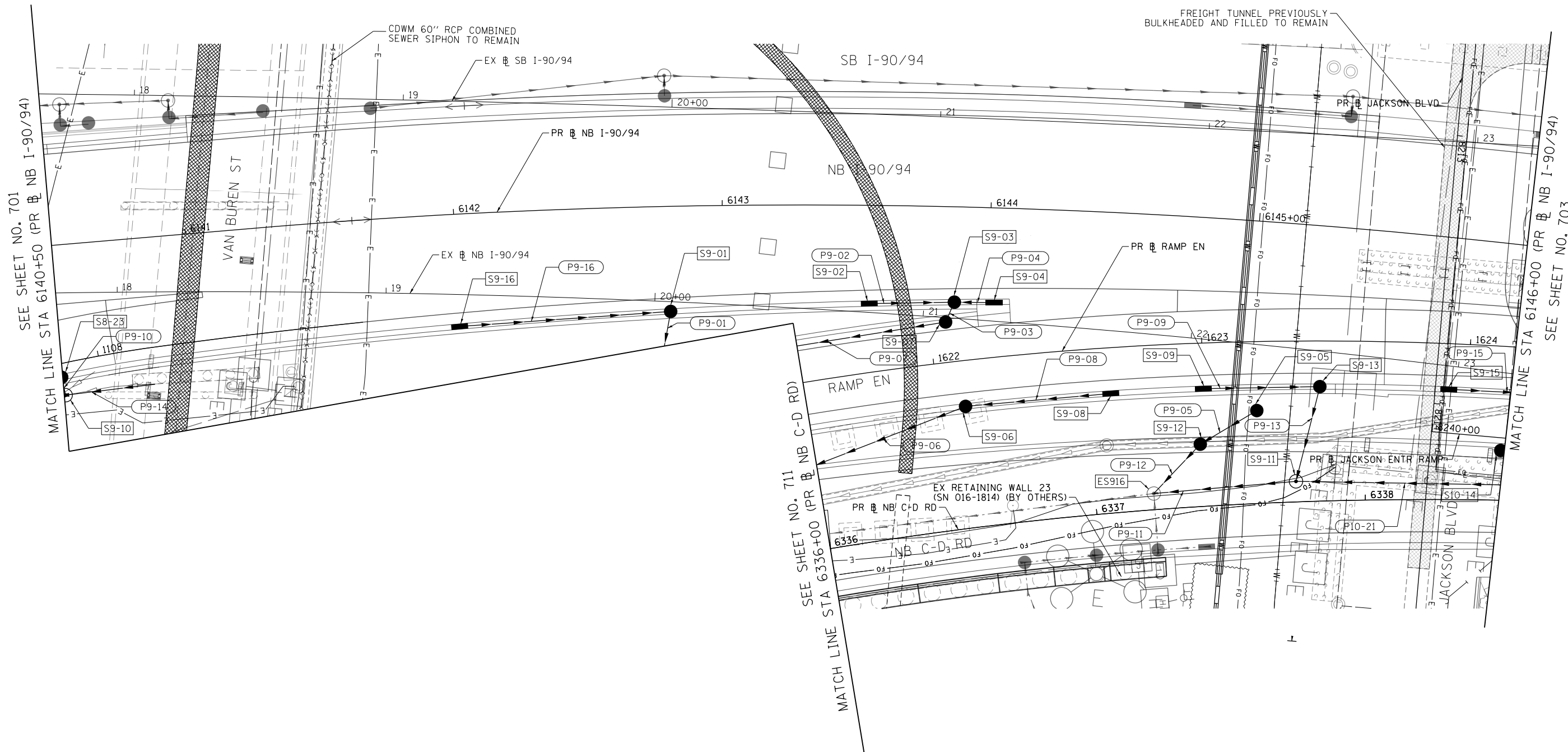
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 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE PLAN
I-90/94

SCALE: 1"=20' SHEET 8 OF 18 SHEETS STA. 6135+00 TO STA. 6140+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	701
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

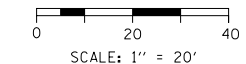


PROPOSED DRAINAGE AND UTILITIES LEGEND

- | | | | | | |
|---|---------------------------------------|---|---|-----|--|
| ⊙ | EXISTING MANHOLE | ⊙ | PROPOSED MANHOLE | --- | STORM SEWER TO BE INSTALLED BY OTHERS |
| ○ | EXISTING CATCH BASIN | ● | PROPOSED CATCH BASIN | /// | ABANDON AND FILL EXISTING STORM SEWER |
| □ | EXISTING INLET | ▬ | PROPOSED INLET | → | PROPOSED STORM SEWER |
| ⊙ | MANHOLE TO BE INSTALLED BY OTHERS | ▬ | EXISTING BRIDGE SCUPPER | → | PROPOSED STORM SEWER TO BE INSTALLED BY OTHERS (62A77 AND 60X94) |
| ● | CATCH BASIN TO BE INSTALLED BY OTHERS | ■ | DRAINAGE STRUCTURE TYPE 4 TO BE INSTALLED BY OTHERS | | |
| ▬ | INLET TO BE INSTALLED BY OTHERS | | | | |

NOTES:

- SEE SHEET 771 FOR ADDITIONAL INFORMATION ON STATION, OFFSET AND RIM ELEVATION.
- SEE SHEET 771 FOR ADDITIONAL INFORMATION ON TYPE OF GUTTER BUMP OUTS.



D162A76-Sht-Drain-09.dgn
 USER NAME = amkluver
 PLOT SCALE = 40.0010 / in.
 PLOT DATE = 3/4/2020

DESIGNED - MRC
 DRAWN - MRC
 CHECKED - JMG
 DATE - 3/4/20

REVISED -
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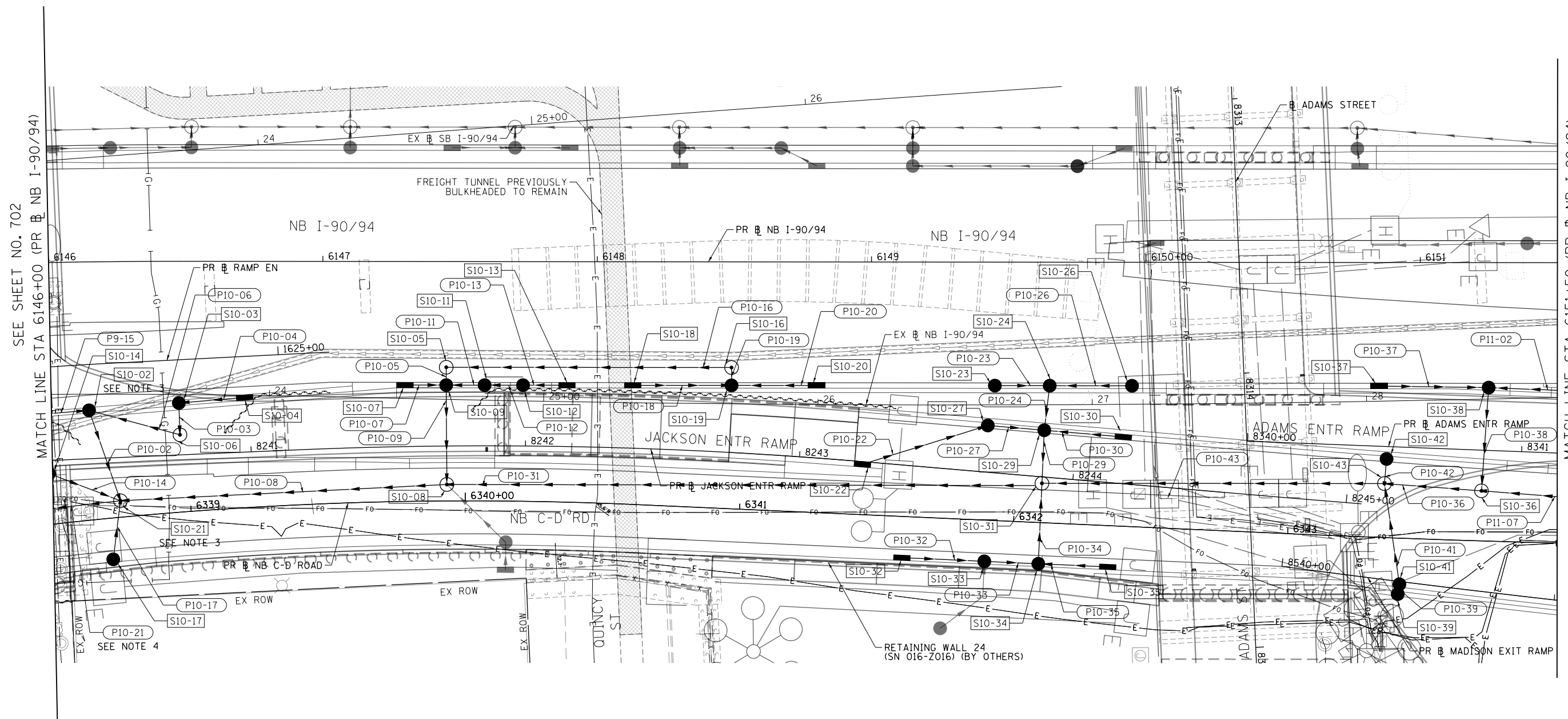
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED DRAINAGE PLAN
 I-90/94**

SCALE: 1"=20' SHEET 9 OF 18 SHEETS STA. 6140+50 TO STA. 6146+00

F.A.I. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	702
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

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SEE SHEET NO. 702
MATCH LINE STA 6146+00 (PR NB I-90/94)

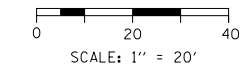
MATCH LINE STA 6151+00 (PR NB I-90/94)
SEE SHEET NO. 704

PROPOSED DRAINAGE AND UTILITIES LEGEND

- | | | | | | |
|--|---------------------------------------|--|---|--|--|
| | EXISTING MANHOLE | | PROPOSED MANHOLE | | STORM SEWER TO BE INSTALLED BY OTHERS |
| | EXISTING CATCH BASIN | | PROPOSED CATCH BASIN | | ABANDON AND FILL EXISTING STORM SEWER |
| | EXISTING INLET | | PROPOSED INLET | | PROPOSED STORM SEWER |
| | MANHOLE TO BE INSTALLED BY OTHERS | | EXISTING BRIDGE SCUPPER | | PROPOSED STORM SEWER TO BE INSTALLED BY OTHERS (62A77 AND 60X94) |
| | CATCH BASIN TO BE INSTALLED BY OTHERS | | DRAINAGE STRUCTURE TYPE 4 TO BE INSTALLED BY OTHERS | | |
| | INLET TO BE INSTALLED BY OTHERS | | | | |

NOTES:

- SEE SHEET 771 FOR ADDITIONAL INFORMATION ON STATION, OFFSET AND RIM ELEVATION.
- SEE SHEET 771 FOR ADDITIONAL INFORMATION ON TYPE OF GUTTER BUMP OUTS.
- SEE SHEET 769 FOR ADDITIONAL INFORMATION.
- SEE SHEET 772 FOR ADDITIONAL INFORMATION.



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USER NAME = amkluver
PLOT SCALE = 40.0000' / in.
PLOT DATE = 3/4/2020

DESIGNED - MRC
DRAWN - MRC
CHECKED - JMG
DATE - 3/4/20

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED DRAINAGE PLAN
I-90/94**

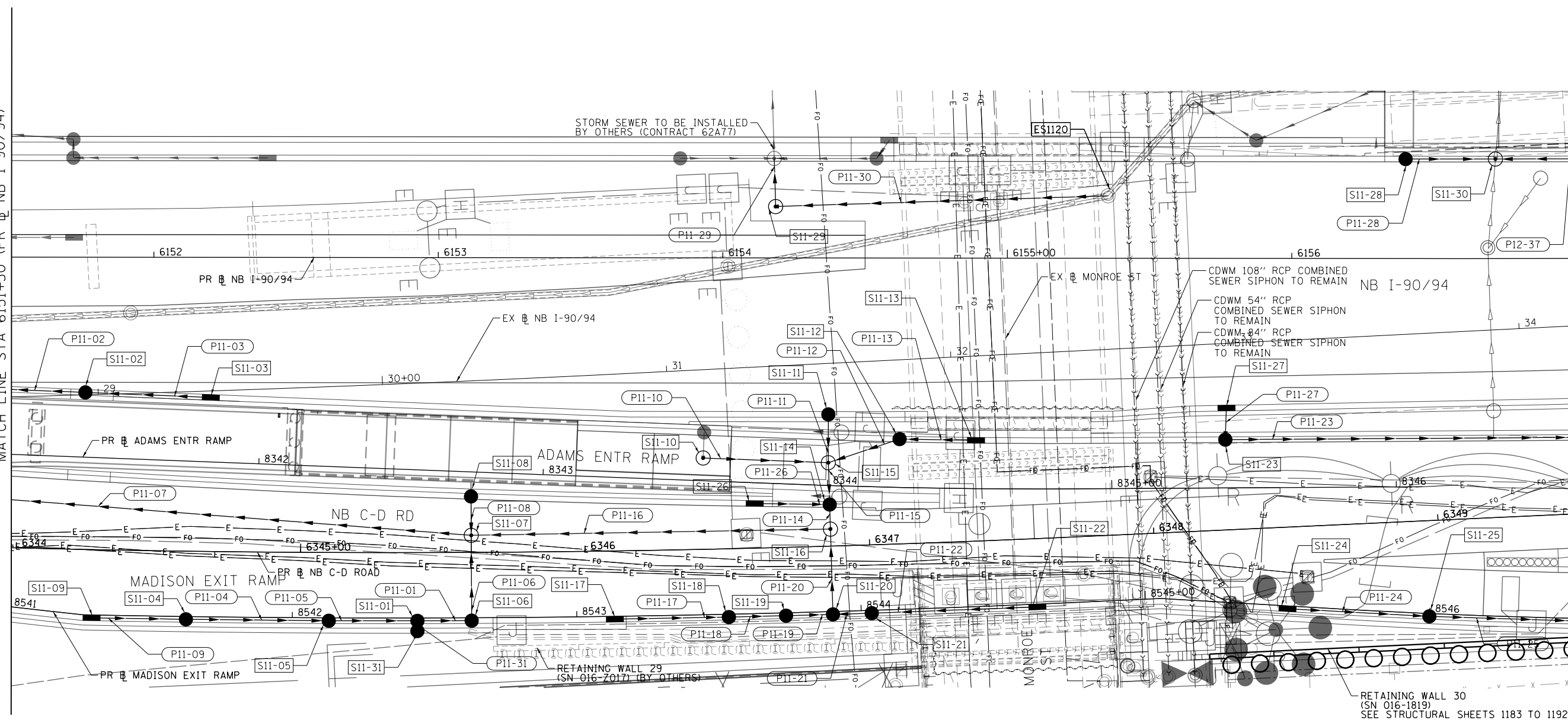
SCALE: 1"=20' SHEET 10 OF 18 SHEETS STA. 6146+00 TO STA. 6151+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	703
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				



SEE SHEET NO. 703
MATCH LINE STA 6151+50 (PR NB I-90/94)

MATCH LINE STA 6157+00 (PR NB I-90/94)
SEE SHEET NO. 705

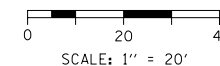


PROPOSED DRAINAGE AND UTILITIES LEGEND

- ⊙ EXISTING MANHOLE
- EXISTING CATCH BASIN
- EXISTING INLET
- ⊙ MANHOLE TO BE INSTALLED BY OTHERS
- CATCH BASIN TO BE INSTALLED BY OTHERS
- INLET TO BE INSTALLED BY OTHERS
- ⊙ PROPOSED MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED INLET
- ▬ EXISTING BRIDGE SCUPPER
- DRAINAGE STRUCTURE TYPE 4 TO BE INSTALLED BY OTHERS
- STORM SEWER TO BE INSTALLED BY OTHERS
- /// ABANDON AND FILL EXISTING STORM SEWER
- PROPOSED STORM SEWER
- PROPOSED STORM SEWER TO BE INSTALLED BY OTHERS (62A77 AND 60X94)

NOTES:

1. SEE SHEET 771 FOR ADDITIONAL INFORMATION ON STATION, OFFSET AND RIM ELEVATION.
2. SEE SHEET 771 FOR ADDITIONAL INFORMATION ON TYPE OF GUTTER BUMP OUTS.



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 PLOT SCALE = 40.0000' / 1"
 PLOT DATE = 1/30/2020

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 DRAWN - MRC
 CHECKED - JMG
 DATE - 1/29/20

REVISED -
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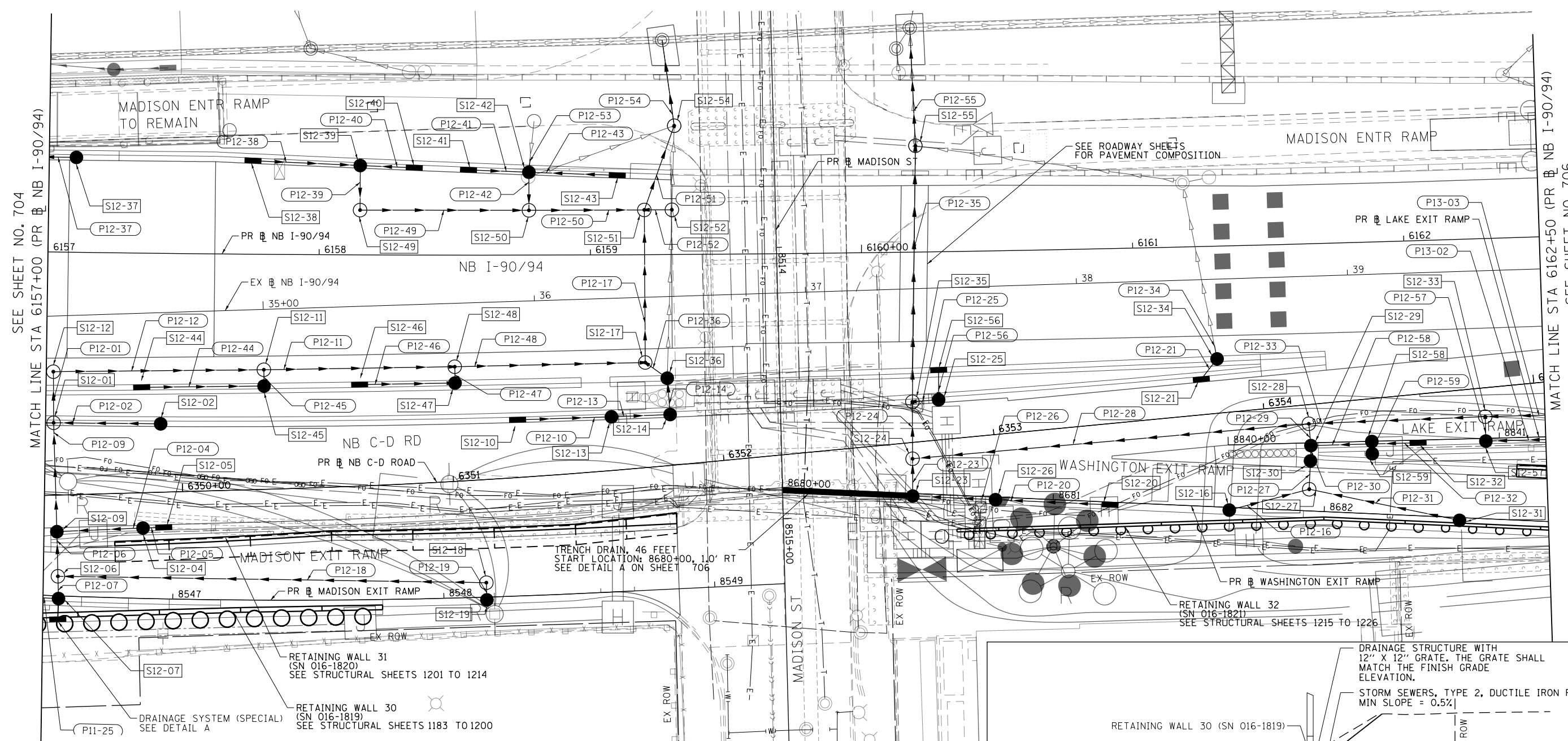
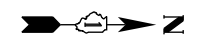
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED DRAINAGE PLAN
 I-9094**

SCALE: 1"=20' SHEET 11 OF 18 SHEETS STA. 6151+50 TO STA. 6157+00

F.A.I. RTE. 90/94/290	SECTION 2015-019R	COUNTY COOK	TOTAL SHEETS 2155	SHEET NO. 704
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

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SEE SHEET NO. 704
MATCH LINE STA 6157+00 (PR # NB I-90/94)

MATCH LINE STA 6162+50 (PR # NB I-90/94)
SEE SHEET NO. 706

NOTES:

- SEE SHEET 771 FOR ADDITIONAL INFORMATION ON STATION, OFFSET AND RIM ELEVATION.
- SEE SHEET 771 FOR ADDITIONAL INFORMATION ON TYPE OF GUTTER BUMP OUTS.

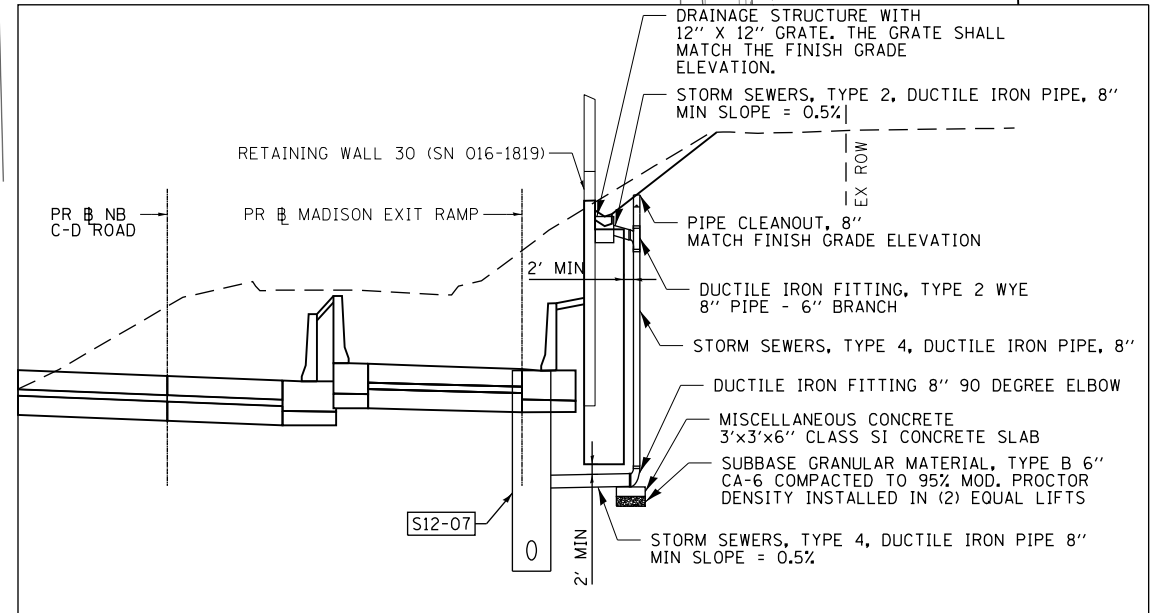
BILL OF MATERIALS - DETAIL A

ITEM	UNIT	QUANTITY
DUCTILE IRON FITTING, TYPE 2 WYE 8" PIPE - 6" BRANCH	EACH	1
DUCTILE IRON FITTING 8" 90 DEGREE ELBOW	EACH	1
PIPE CLEANOUT, 8"	EACH	1
STORM SEWERS, TYPE 4, DUCTILE IRON PIPE 8"	FOOT	35
DRAINAGE STRUCTURE	EACH	1
SUBBASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	1
MISCELLANEOUS CONCRETE	CU YD	4.5

NOTE: ALL ITEMS INCLUDED IN THE COST OF DRAINAGE SYSTEM (SPECIAL)

PROPOSED DRAINAGE AND UTILITIES LEGEND

- | | | | | | |
|--|---------------------------------------|--|---|--|--|
| | EXISTING MANHOLE | | PROPOSED MANHOLE | | STORM SEWER TO BE INSTALLED BY OTHERS |
| | EXISTING CATCH BASIN | | PROPOSED CATCH BASIN | | ABANDON AND FILL EXISTING STORM SEWER |
| | EXISTING INLET | | PROPOSED INLET | | PROPOSED STORM SEWER |
| | MANHOLE TO BE INSTALLED BY OTHERS | | EXISTING BRIDGE SCUPPER | | PROPOSED STORM SEWER TO BE INSTALLED BY OTHERS (62A77 AND 60X94) |
| | CATCH BASIN TO BE INSTALLED BY OTHERS | | DRAINAGE STRUCTURE TYPE 4 TO BE INSTALLED BY OTHERS | | |
| | INLET TO BE INSTALLED BY OTHERS | | | | |



DETAIL A

SCALE: 1" = 20'



D162A76-Sht-Drain-12.dgn
USER NAME = amkluver
PLOT SCALE = 40.0000' / in.
PLOT DATE = 3/4/2020

DESIGNED - MRC
DRAWN - MRC
CHECKED - JMG
DATE - 3/4/20

REVISED -
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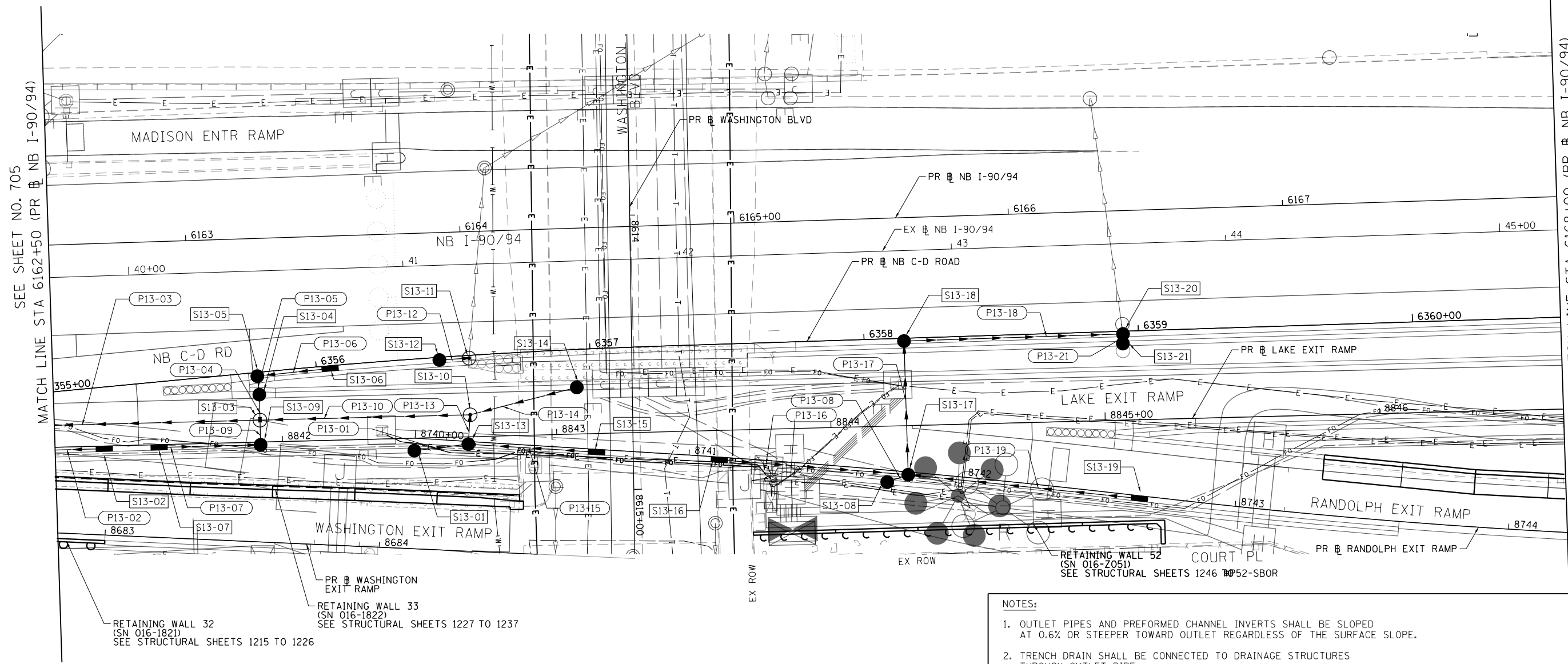
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED DRAINAGE PLAN
I-9094**

SCALE: 1"=20' SHEET 12 OF 18 SHEETS STA. 6157+00 TO STA. 6162+50

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	705

CONTRACT NO. 62A76
ILLINOIS FED. AID PROJECT



SEE SHEET NO. 705
MATCH LINE STA 6162+50 (PR NB I-90/94)

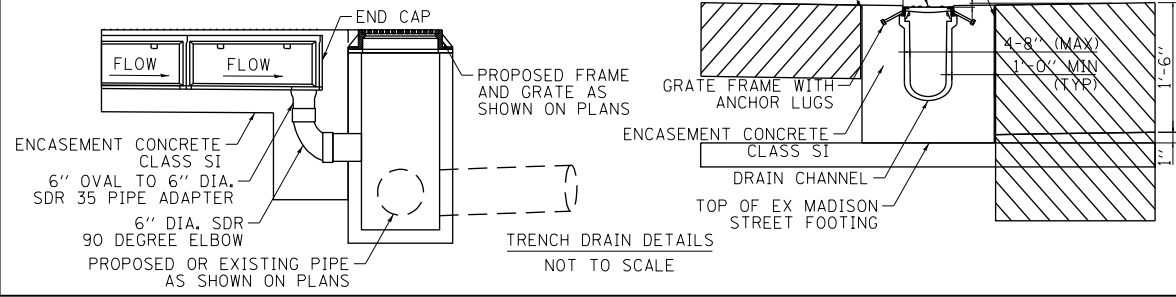
MATCH LINE STA 6168+00 (PR NB I-90/94)
SEE SHEET NO. 707

NOTES:

- SEE SHEET 771 FOR ADDITIONAL INFORMATION ON STATION, OFFSET AND RIM ELEVATION.
- SEE SHEET 771 FOR ADDITIONAL INFORMATION ON TYPE OF GUTTER BUMP OUTS.

NOTES:

- OUTLET PIPES AND PREFORMED CHANNEL INVERTS SHALL BE SLOPED AT 0.6% OR STEEPER TOWARD OUTLET REGARDLESS OF THE SURFACE SLOPE.
- TRENCH DRAIN SHALL BE CONNECTED TO DRAINAGE STRUCTURES THROUGH OUTLET PIPE.
- TRENCH EXCAVATION MUST ALLOW FOR A MINIMUM OF 12 INCHES OF CONCRETE TO BE PLACED UNDER AND ALONGSIDE THE TRENCH DRAIN CHANNEL SYSTEM.
- THE FINISHED LEVEL OF CONCRETE MUST BE APPROXIMATELY 1/8" ABOVE THE TOP OF THE DRAIN CHANNEL.
- TRENCH DRAINS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS DETAILS AND SPECIFICATIONS.
- PROVIDE 1" EXPANSION JOINT WITH PREFORMED JOINT FILLER BETWEEN PAVED SHOULDER AND TRENCH DRAIN ENCASEMENT.



DETAIL A

SCALE: 1" = 20'

PROPOSED DRAINAGE AND UTILITIES LEGEND

- | | | | | | |
|--|---------------------------------------|--|---|--|--|
| | EXISTING MANHOLE | | PROPOSED MANHOLE | | STORM SEWER TO BE INSTALLED BY OTHERS |
| | EXISTING CATCH BASIN | | PROPOSED CATCH BASIN | | ABANDON AND FILL EXISTING STORM SEWER |
| | EXISTING INLET | | PROPOSED INLET | | PROPOSED STORM SEWER |
| | MANHOLE TO BE INSTALLED BY OTHERS | | EXISTING BRIDGE SCUPPER | | PROPOSED STORM SEWER TO BE INSTALLED BY OTHERS (62A77 AND 60X94) |
| | CATCH BASIN TO BE INSTALLED BY OTHERS | | DRAINAGE STRUCTURE TYPE 4 TO BE INSTALLED BY OTHERS | | |
| | INLET TO BE INSTALLED BY OTHERS | | | | |

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PLOT SCALE = 40.0000' / in.
PLOT DATE = 1/30/2020

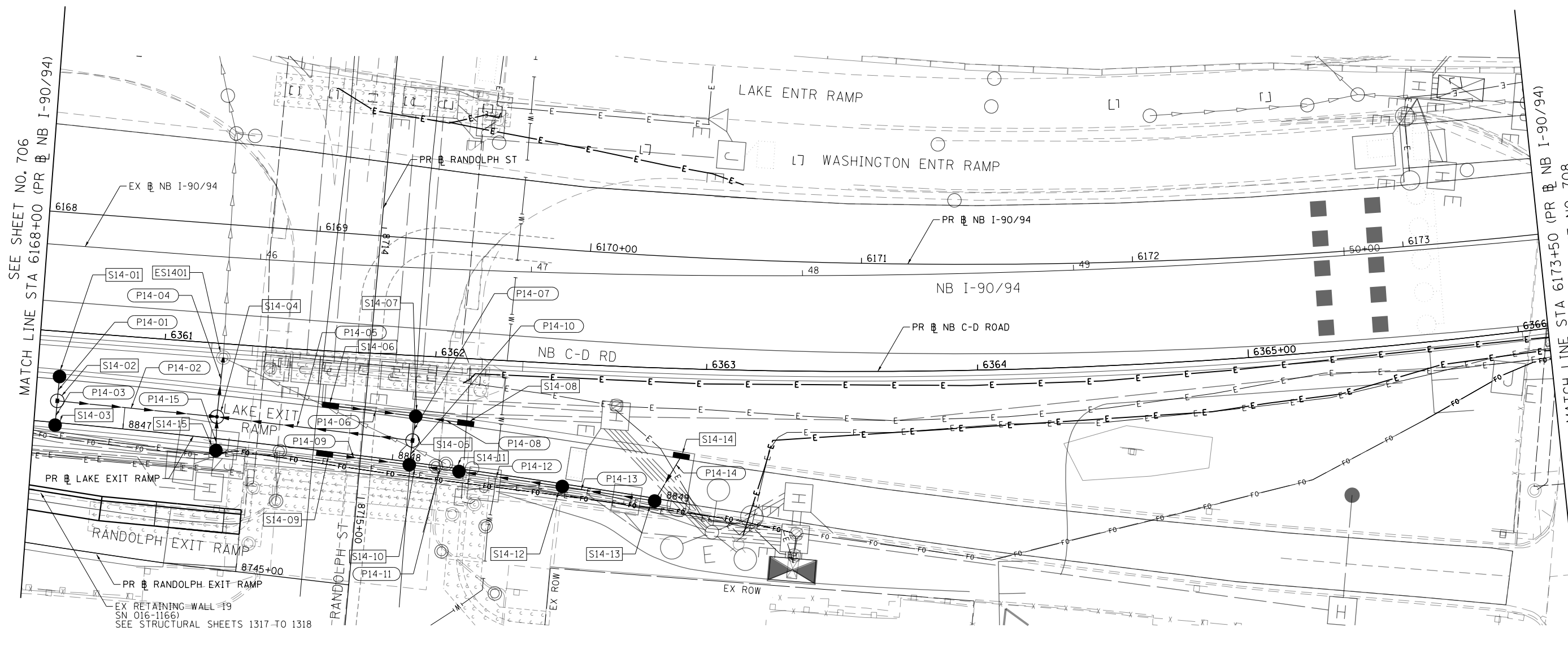
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DRAWN - MRC
CHECKED - JMG
DATE - 1/29/20

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED DRAINAGE PLAN
I-9094**

SCALE: 1"=20' SHEET 13 OF 18 SHEETS STA. 6162+50 TO STA. 6168+00

F.A.I. R.E. 90/94/290	SECTION 2015-019R	COUNTY COOK	TOTAL SHEETS 2155	SHEET NO. 706
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				



SEE SHEET NO. 706
MATCH LINE STA 6168+00 (PR NB I-90/94)

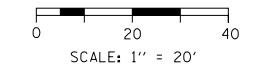
MATCH LINE STA 6173+50 (PR NB I-90/94)
SEE SHEET NO. 708

PROPOSED DRAINAGE AND UTILITIES LEGEND

- | | | | | | |
|---|---------------------------------------|---|---|-----|--|
| ⊙ | EXISTING MANHOLE | ⊙ | PROPOSED MANHOLE | --- | STORM SEWER TO BE INSTALLED BY OTHERS |
| ○ | EXISTING CATCH BASIN | ● | PROPOSED CATCH BASIN | /// | ABANDON AND FILL EXISTING STORM SEWER |
| □ | EXISTING INLET | — | PROPOSED INLET | → | PROPOSED STORM SEWER |
| ⊙ | MANHOLE TO BE INSTALLED BY OTHERS | ▬ | EXISTING BRIDGE SCUPPER | → | PROPOSED STORM SEWER TO BE INSTALLED BY OTHERS (62A77 AND 60X94) |
| ● | CATCH BASIN TO BE INSTALLED BY OTHERS | ■ | DRAINAGE STRUCTURE TYPE 4 TO BE INSTALLED BY OTHERS | | |
| ■ | INLET TO BE INSTALLED BY OTHERS | | | | |

NOTES:

- SEE SHEET 771 FOR ADDITIONAL INFORMATION ON STATION, OFFSET AND RIM ELEVATION.
- SEE SHEET 771 FOR ADDITIONAL INFORMATION ON TYPE OF GUTTER BUMP OUTS.



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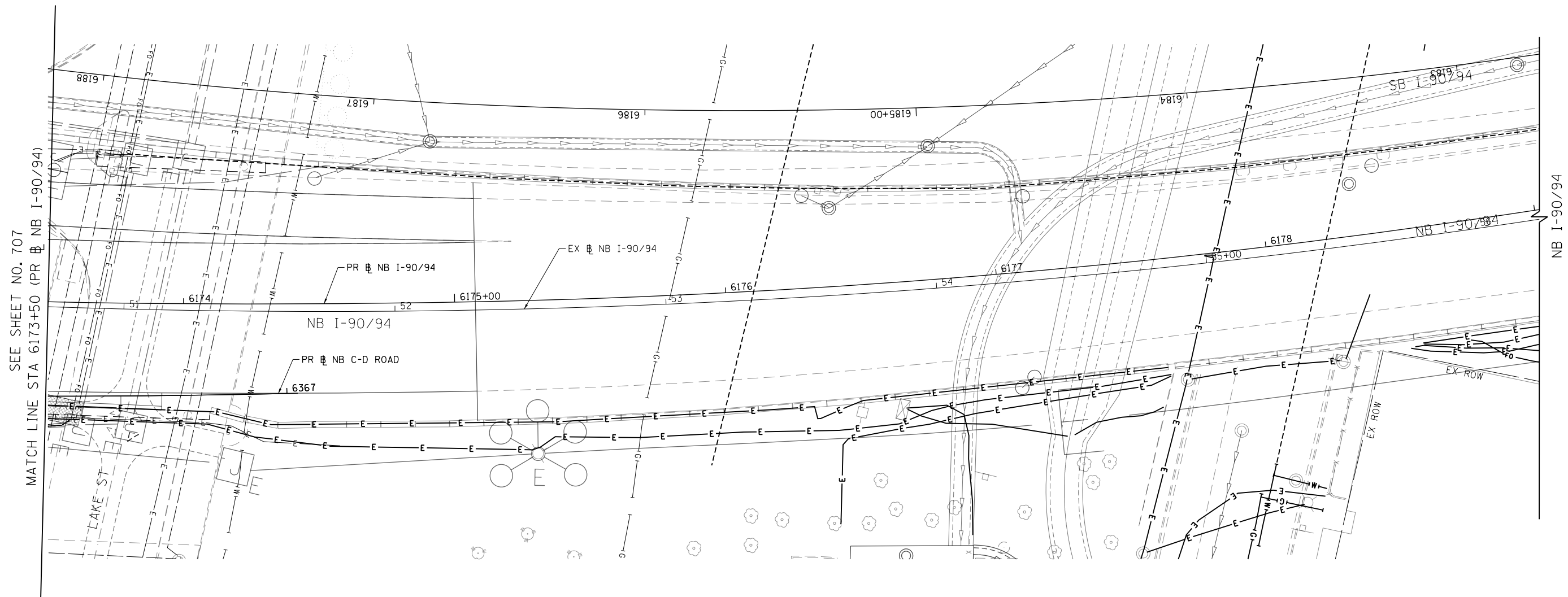
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CHECKED - JMG	REVISED -
DATE - 1/29/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED DRAINAGE PLAN
I-90/94**

SCALE: 1"=20' SHEET 14 OF 18 SHEETS STA. 6168+00 TO STA. 6173+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	707
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				



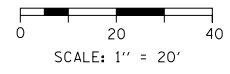
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PROPOSED DRAINAGE AND UTILITIES LEGEND

- | | | | | | |
|---|---------------------------------------|---|---|-----|--|
| ⊙ | EXISTING MANHOLE | ⊙ | PROPOSED MANHOLE | --- | STORM SEWER TO BE INSTALLED BY OTHERS |
| ○ | EXISTING CATCH BASIN | ● | PROPOSED CATCH BASIN | /// | ABANDON AND FILL EXISTING STORM SEWER |
| □ | EXISTING INLET | ▬ | PROPOSED INLET | → | PROPOSED STORM SEWER |
| ⊙ | MANHOLE TO BE INSTALLED BY OTHERS | ▬ | EXISTING BRIDGE SCUPPER | → | PROPOSED STORM SEWER TO BE INSTALLED BY OTHERS (62A77 AND 60X94) |
| ● | CATCH BASIN TO BE INSTALLED BY OTHERS | ■ | DRAINAGE STRUCTURE TYPE 4 TO BE INSTALLED BY OTHERS | | |
| ▬ | INLET TO BE INSTALLED BY OTHERS | | | | |

NOTES:

- SEE SHEET 771 FOR ADDITIONAL INFORMATION ON STATION, OFFSET AND RIM ELEVATION.
- SEE SHEET 771 FOR ADDITIONAL INFORMATION ON TYPE OF GUTTER BUMP OUTS.

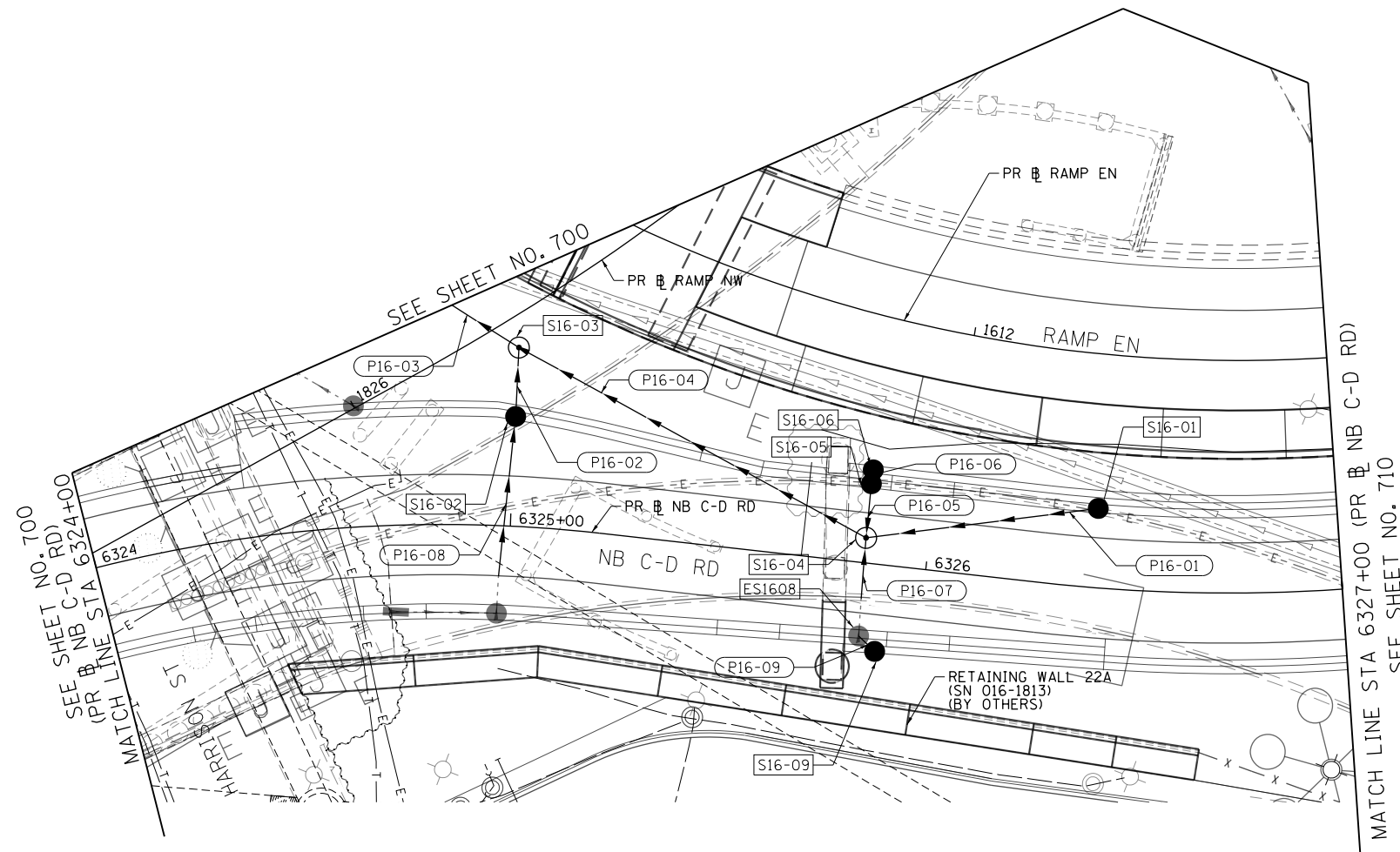
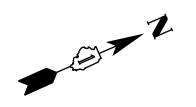


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PLOT DATE = 1/30/2020	DATE - 1/29/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED DRAINAGE PLAN I-9094			
SCALE: 1"=20'	SHEET 15 OF 18 SHEETS	STA. 6173+50 TO STA. 6175+00	

F.A.I. RTE. 90/94/290	SECTION 2015-019R	COUNTY COOK	TOTAL SHEETS 2155	SHEET NO. 708
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

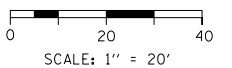


PROPOSED DRAINAGE AND UTILITIES LEGEND

	EXISTING MANHOLE		PROPOSED MANHOLE		STORM SEWER TO BE INSTALLED BY OTHERS
	EXISTING CATCH BASIN		PROPOSED CATCH BASIN		ABANDON AND FILL EXISTING STORM SEWER
	EXISTING INLET		PROPOSED INLET		PROPOSED STORM SEWER
	MANHOLE TO BE INSTALLED BY OTHERS		EXISTING BRIDGE SCUPPER		PROPOSED STORM SEWER TO BE INSTALLED BY OTHERS (62A77 AND 60X94)
	CATCH BASIN TO BE INSTALLED BY OTHERS		DRAINAGE STRUCTURE TYPE 4 TO BE INSTALLED BY OTHERS		
	INLET TO BE INSTALLED BY OTHERS				

NOTES:

1. SEE SHEET 771 FOR ADDITIONAL INFORMATION ON STATION, OFFSET AND RIM ELEVATION.
2. SEE SHEET 771 FOR ADDITIONAL INFORMATION ON TYPE OF GUTTER BUMP OUTS.



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PLOT DATE = 1/30/2020

DESIGNED - MRC	REVISED -
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CHECKED - JMG	REVISED -
DATE - 1/29/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

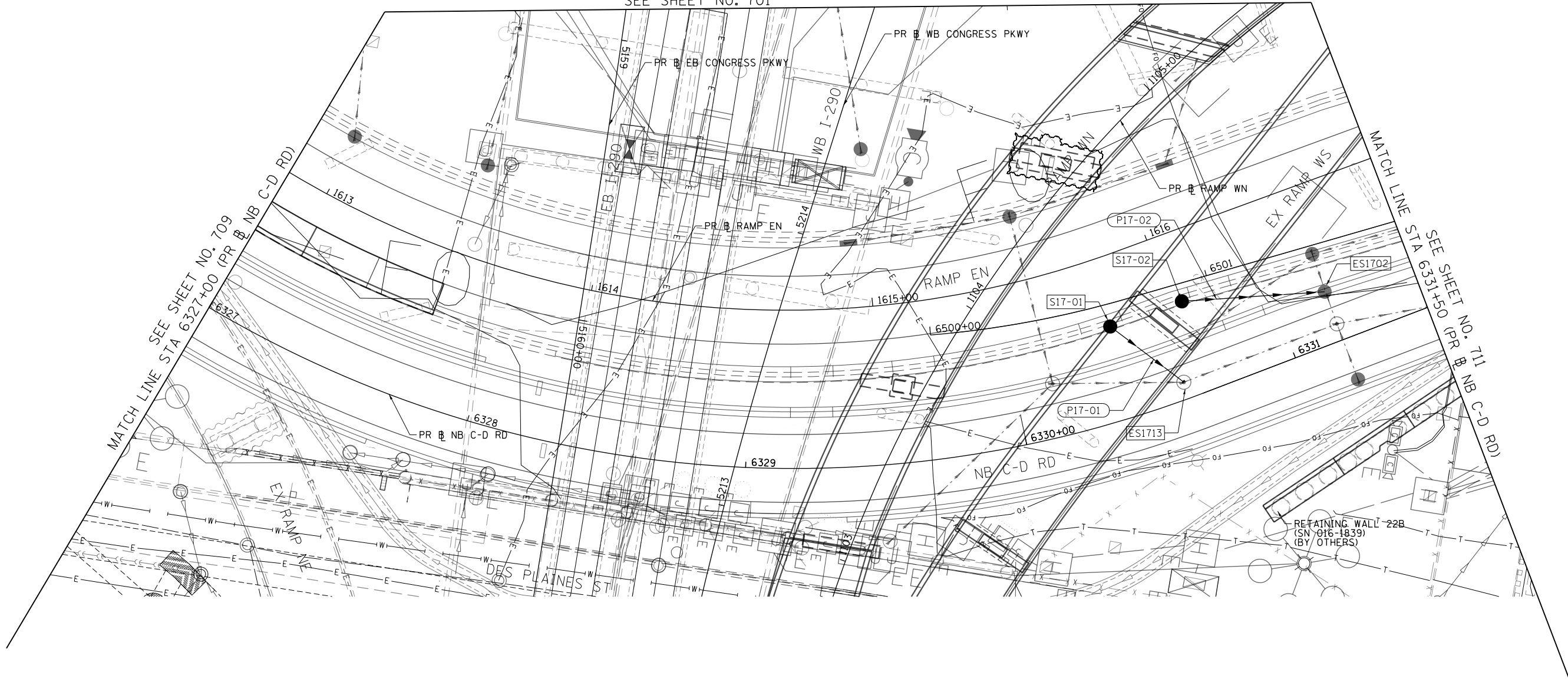
**PROPOSED DRAINAGE PLAN
NB C-D ROAD**

SCALE: 1"=20' SHEET 16 OF 18 SHEETS STA. 6324+00 TO STA. 6327+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	709
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				



SEE SHEET NO. 701



MATCH LINE SEE SHEET NO. 709
STA 6327+00 (PR & NB C-D RD)

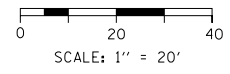
MATCH LINE SEE SHEET NO. 711
STA 6331+50 (PR & NB C-D RD)

PROPOSED DRAINAGE AND UTILITIES LEGEND

- | | | | | | |
|---|---------------------------------------|---|---|-----|--|
| ⊙ | EXISTING MANHOLE | ⊙ | PROPOSED MANHOLE | --- | STORM SEWER TO BE INSTALLED BY OTHERS |
| ○ | EXISTING CATCH BASIN | ● | PROPOSED CATCH BASIN | /// | ABANDON AND FILL EXISTING STORM SEWER |
| □ | EXISTING INLET | — | PROPOSED INLET | → | PROPOSED STORM SEWER |
| ⊙ | MANHOLE TO BE INSTALLED BY OTHERS | ▬ | EXISTING BRIDGE SCUPPER | → | PROPOSED STORM SEWER TO BE INSTALLED BY OTHERS (62A77 AND 60X94) |
| ● | CATCH BASIN TO BE INSTALLED BY OTHERS | ■ | DRAINAGE STRUCTURE TYPE 4 TO BE INSTALLED BY OTHERS | | |
| — | INLET TO BE INSTALLED BY OTHERS | | | | |

NOTES:

- SEE SHEET 771 FOR ADDITIONAL INFORMATION ON STATION, OFFSET AND RIM ELEVATION.
- SEE SHEET 771 FOR ADDITIONAL INFORMATION ON TYPE OF GUTTER BUMP OUTS.



FILE PATH = p:\VAC\CDM-NH-NV\1\elecmon\line\local\I\CDM_DS02_NA\Documents\01_Americas\Transportation\60269938_Circle_Phase_1\000_CAD\006_Roadway_Sheets\62A76_Contract\0162A76-Sht-Drain-17.dgn



D162A76-Sht-Drain-17.dgn
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PLOT SCALE = 40.0031' / in.
PLOT DATE = 1/30/2020

DESIGNED - MRC	REVISIONS
DRAWN - MRC	REVISIONS
CHECKED - JMG	REVISIONS
DATE - 1/29/20	REVISIONS

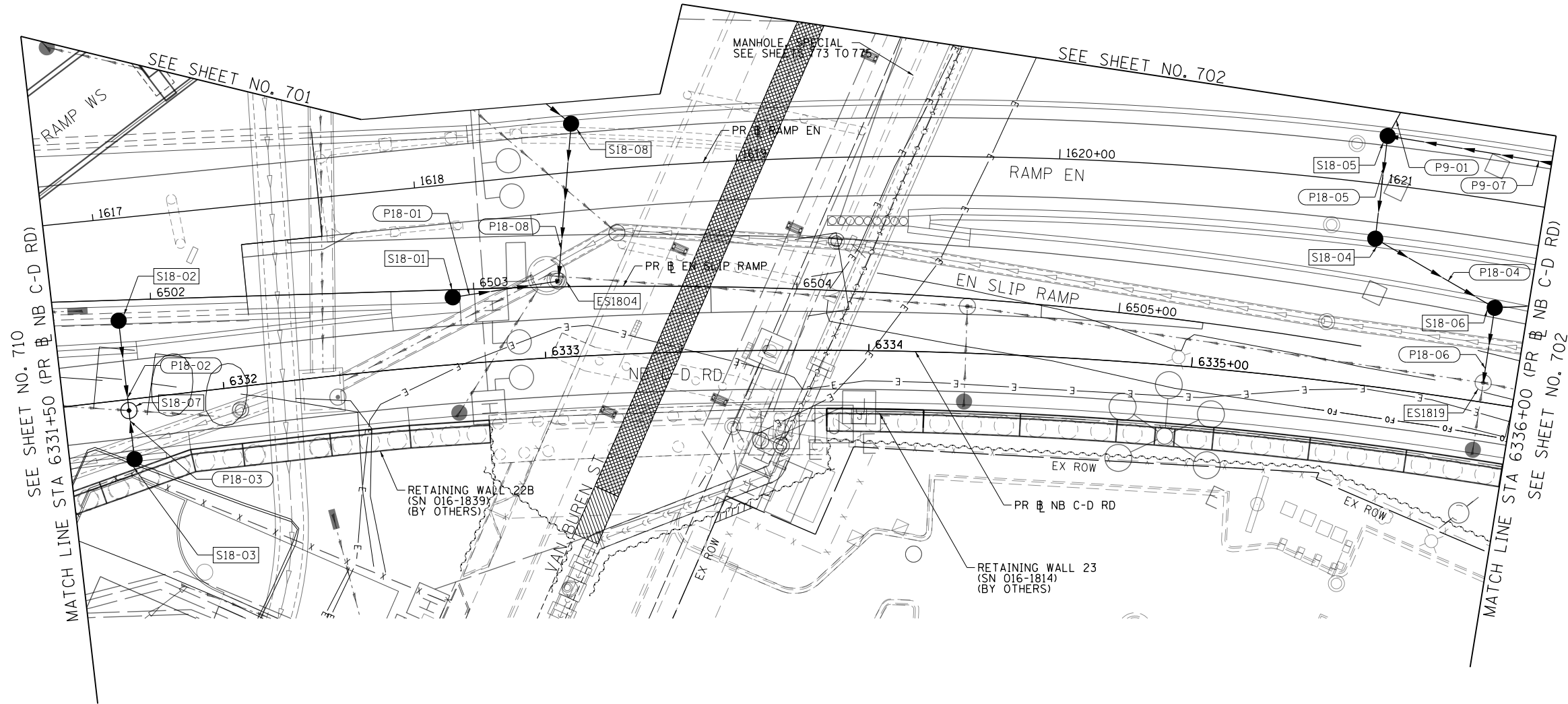
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED DRAINAGE PLAN
NB C-D ROAD**

SCALE: 1"=20' SHEET 17 OF 18 SHEETS STA. 6327+00 TO STA. 6331+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	710
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

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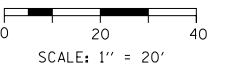


PROPOSED DRAINAGE AND UTILITIES LEGEND

- | | | | | | |
|---|---------------------------------------|---|---|-----|--|
| ⊙ | EXISTING MANHOLE | ⊙ | PROPOSED MANHOLE | --- | STORM SEWER TO BE INSTALLED BY OTHERS |
| ○ | EXISTING CATCH BASIN | ● | PROPOSED CATCH BASIN | /// | ABANDON AND FILL EXISTING STORM SEWER |
| □ | EXISTING INLET | ■ | PROPOSED INLET | → | PROPOSED STORM SEWER |
| ⊙ | MANHOLE TO BE INSTALLED BY OTHERS | ▤ | EXISTING BRIDGE SCUPPER | → | PROPOSED STORM SEWER TO BE INSTALLED BY OTHERS (62A77 AND 60X94) |
| ● | CATCH BASIN TO BE INSTALLED BY OTHERS | ■ | DRAINAGE STRUCTURE TYPE 4 TO BE INSTALLED BY OTHERS | | |
| ■ | INLET TO BE INSTALLED BY OTHERS | | | | |

NOTES:

- SEE SHEET 771 FOR ADDITIONAL INFORMATION ON STATION, OFFSET AND RIM ELEVATION.
- SEE SHEET 771 FOR ADDITIONAL INFORMATION ON TYPE OF GUTTER BUMP OUTS.



D162A76-Sht-Drain-18.dgn
 USER NAME = ml-roe
 PLOT SCALE = 40.0026' / in.
 PLOT DATE = 1/30/2020

DESIGNED - MRC
 DRAWN - MRC
 CHECKED - JMG
 DATE - 1/29/20

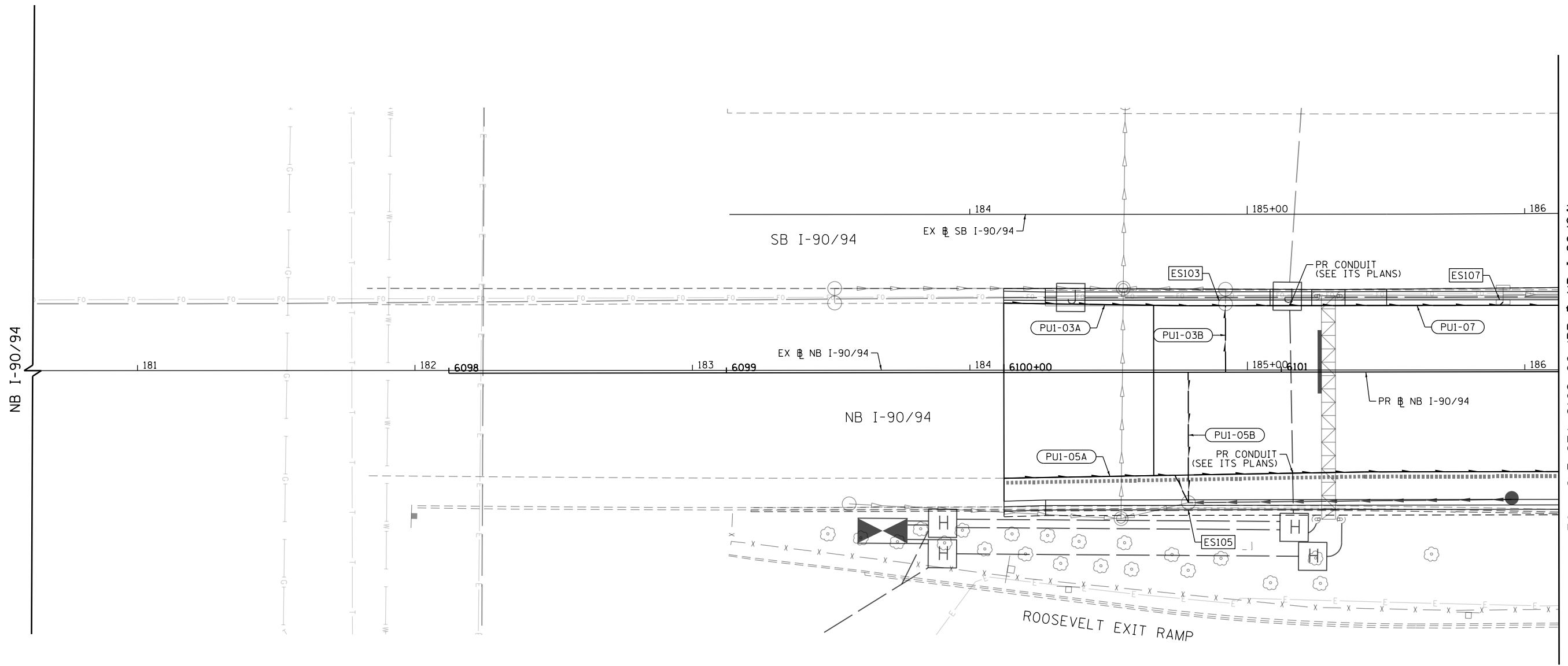
REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PROPOSED DRAINAGE PLAN
 NB C-D ROAD**

SCALE: 1"=20' SHEET 18 OF 18 SHEETS STA. 6331+50 TO STA. 6336+00

F.A.I. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	711
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				



NB I-90/94

SB I-90/94

NB I-90/94

ROOSEVELT EXIT RAMP

MATCH LINE STA 6102+00 (PR & NB I-90/94)
SEE SHEET NO. 713

FILE PATH = p:\AECOM\NA-AVSI\ecommon\line\local\AECOM_DS02_NA\Documents\01_Americas\Transportation\60269938_Circle_Phase_1\1000_CAD\006_Roadway_Sheets\62A76_Contract\0162A76-Sht-Drain-Subsurface-01.dgn



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PLOT DATE = 1/24/2020

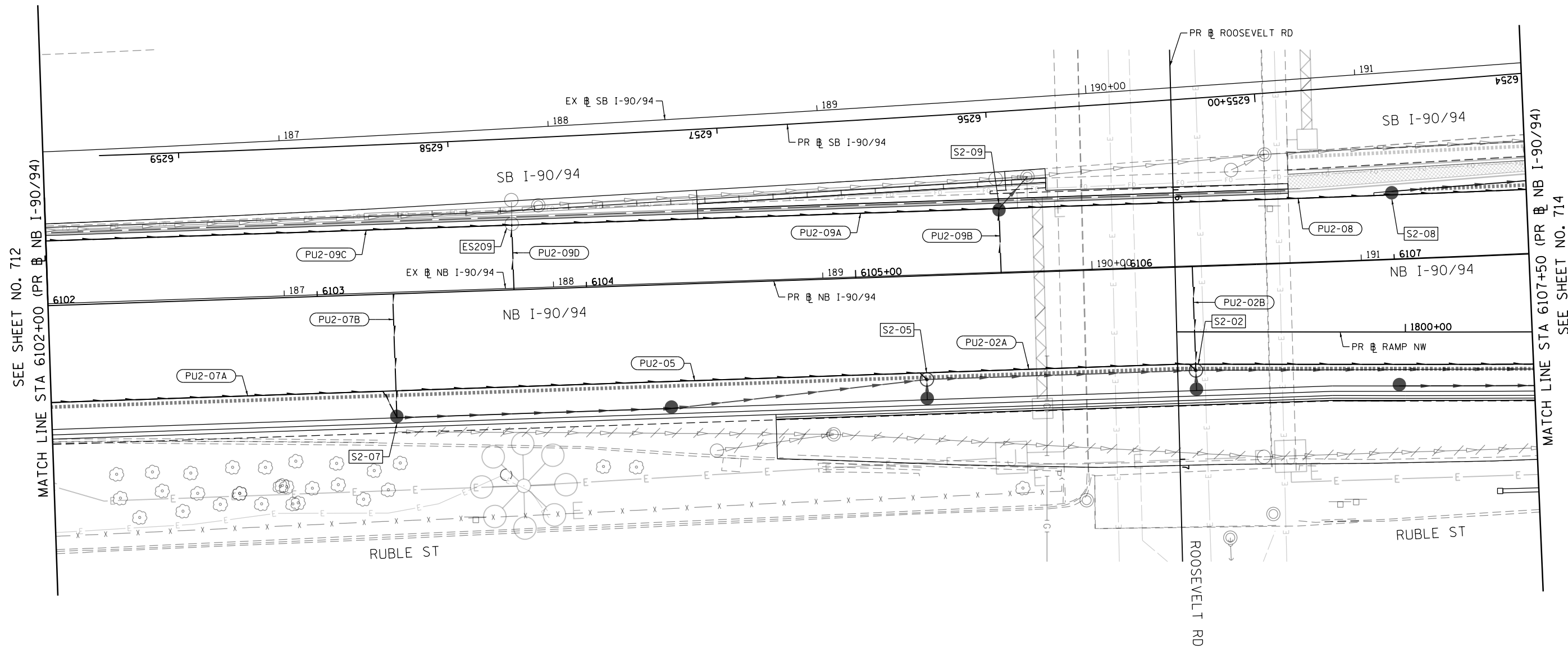
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DRAWN - ZND	REVISED -
CHECKED - MJE	REVISED -
DATE - 1/29/20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED SUBSURFACE DRAINAGE PLAN
I-90/94

SCALE: 1"=20' SHEET 1 OF 18 SHEETS STA. 6098+00 TO STA. 6102+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	712
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				



SEE SHEET NO. 712
MATCH LINE STA 6102+00 (PR NB I-90/94)

MATCH LINE STA 6107+50 (PR NB I-90/94)
SEE SHEET NO. 714

FILE PATH = p:\aecom\m-n\m\162476-Sht-Drain-Subsurface-02.dgn



D162476-Sht-Drain-Subsurface-02.dgn
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PLOT DATE = 1/24/2020

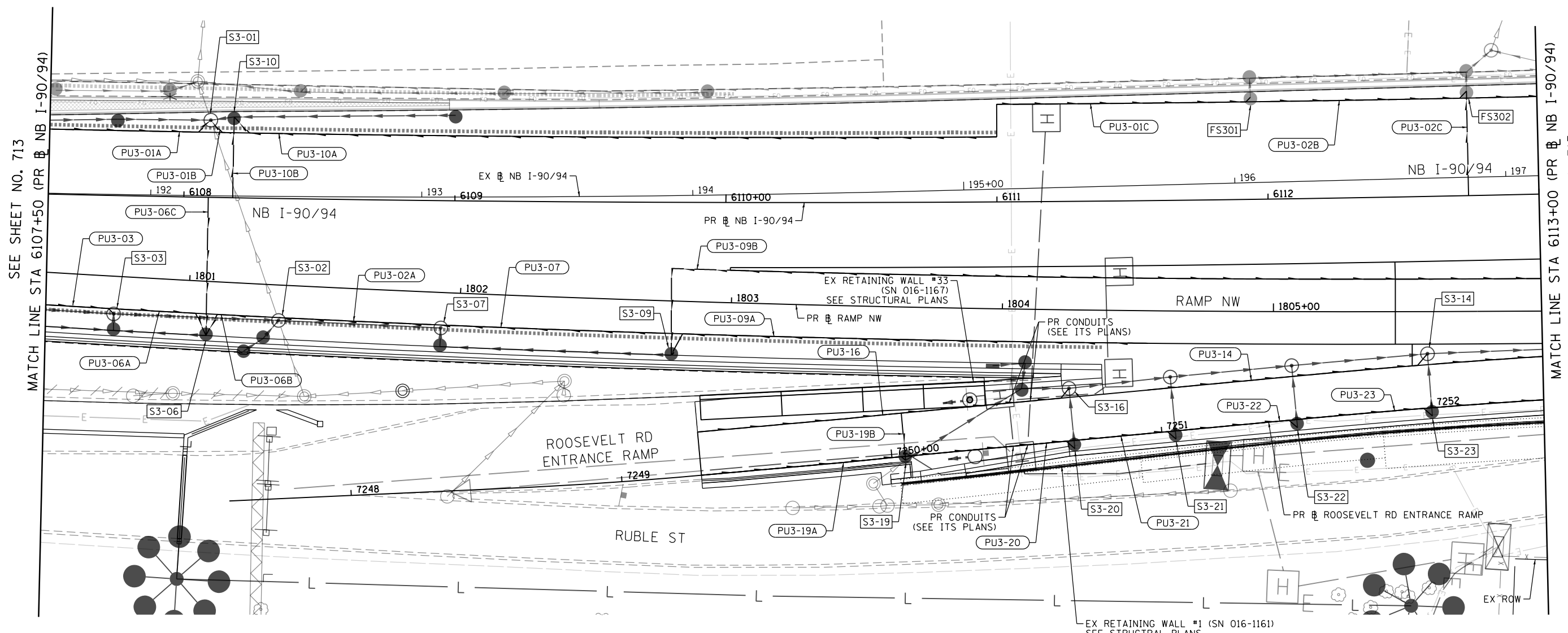
DESIGNED - AFC	REVISED -
DRAWN - ZND	REVISED -
CHECKED - MJE	REVISED -
DATE - 1/29/20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED SUBSURFACE DRAINAGE PLAN
I-90/94

SCALE: 1"=20' SHEET 2 OF 18 SHEETS STA. 6102+00 TO STA. 6107+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	713
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

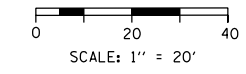


SEE SHEET NO. 713
MATCH LINE STA 6107+50 (PR NB I-90/94)

MATCH LINE STA 6113+00 (PR NB I-90/94)
SEE SHEET NO. 715

NOTE:

1. THE CONTRACTOR SHALL LOCATE AND INTERCEPT THE EXISTING PIPE UNDERDRAINS BELOW THE FACE OF THE OF THE EXISTING RETAINING WALLS AND CONNECT INTO A PROPOSED DRAINAGE STRUCTURE. AN ALLOWANCE QUANTITY OF PIPE UNDERDRAINS 6" (SPECIAL) IS PROVIDED ON THE DRAINAGE SCHEDULES. THE CONNECTION OF THE UNDERDRAINS INTO A DRAINAGE STRUCTURE IS INCLUDED IN THE COST OF PIPE UNDERDRAINS 6" (SPECIAL).



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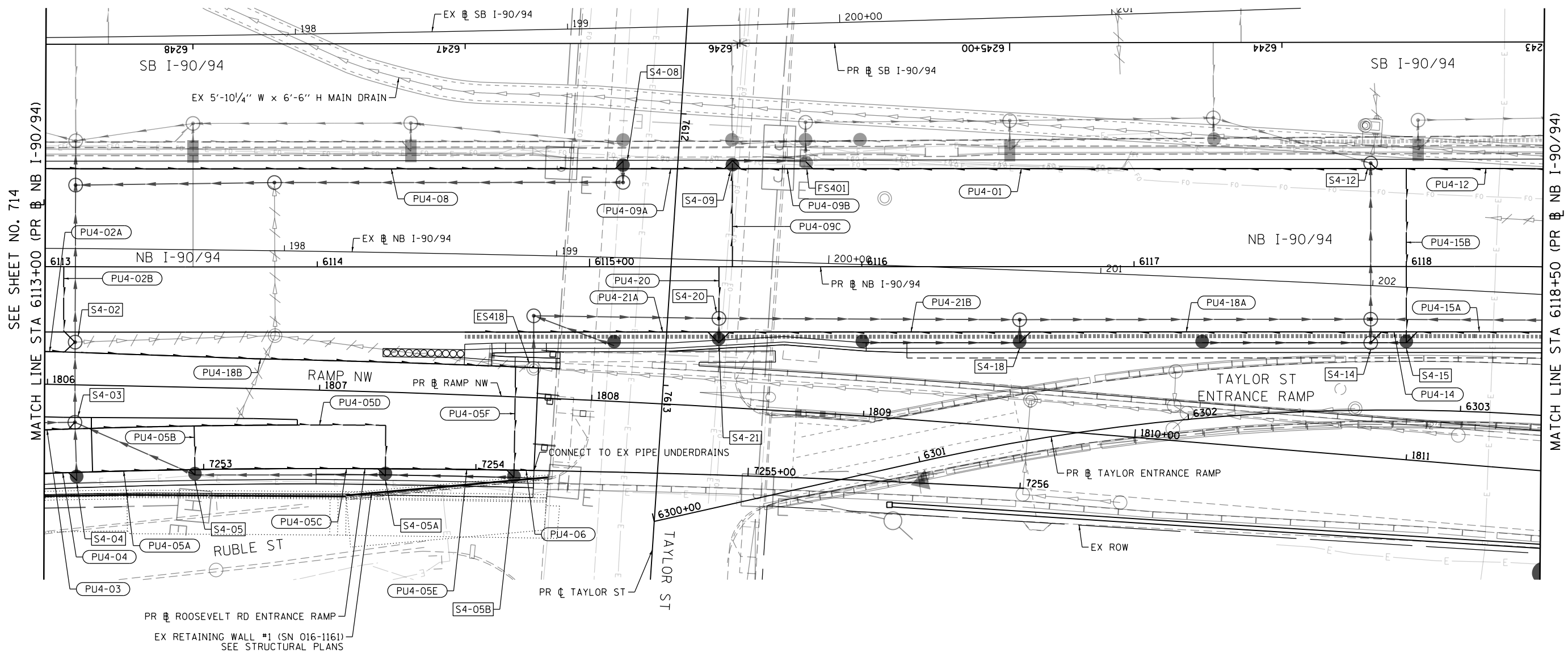


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PLOT DATE = 1/29/2020	DATE - 1/29/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

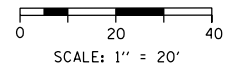
PROPOSED SUBSURFACE DRAINAGE PLAN			
I-90/94			
SCALE: 1"=20'	SHEET 3 OF 18 SHEETS	STA. 6107+50	TO STA. 6113+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	714
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				



NOTE:

1. THE CONTRACTOR SHALL LOCATE AND INTERCEPT THE EXISTING PIPE UNDERDRAINS BELOW THE FACE OF THE OF THE EXISTING RETAINING WALLS AND CONNECT INTO A PROPOSED DRAINAGE STRUCTURE. AN ALLOWANCE QUANTITY OF PIPE UNDERDRAINS 6" (SPECIAL) IS PROVIDED ON THE DRAINAGE SCHEDULES. THE CONNECTION OF THE UNDERDRAINS INTO A DRAINAGE STRUCTURE IS INCLUDED IN THE COST OF PIPE UNDERDRAINS 6" (SPECIAL).



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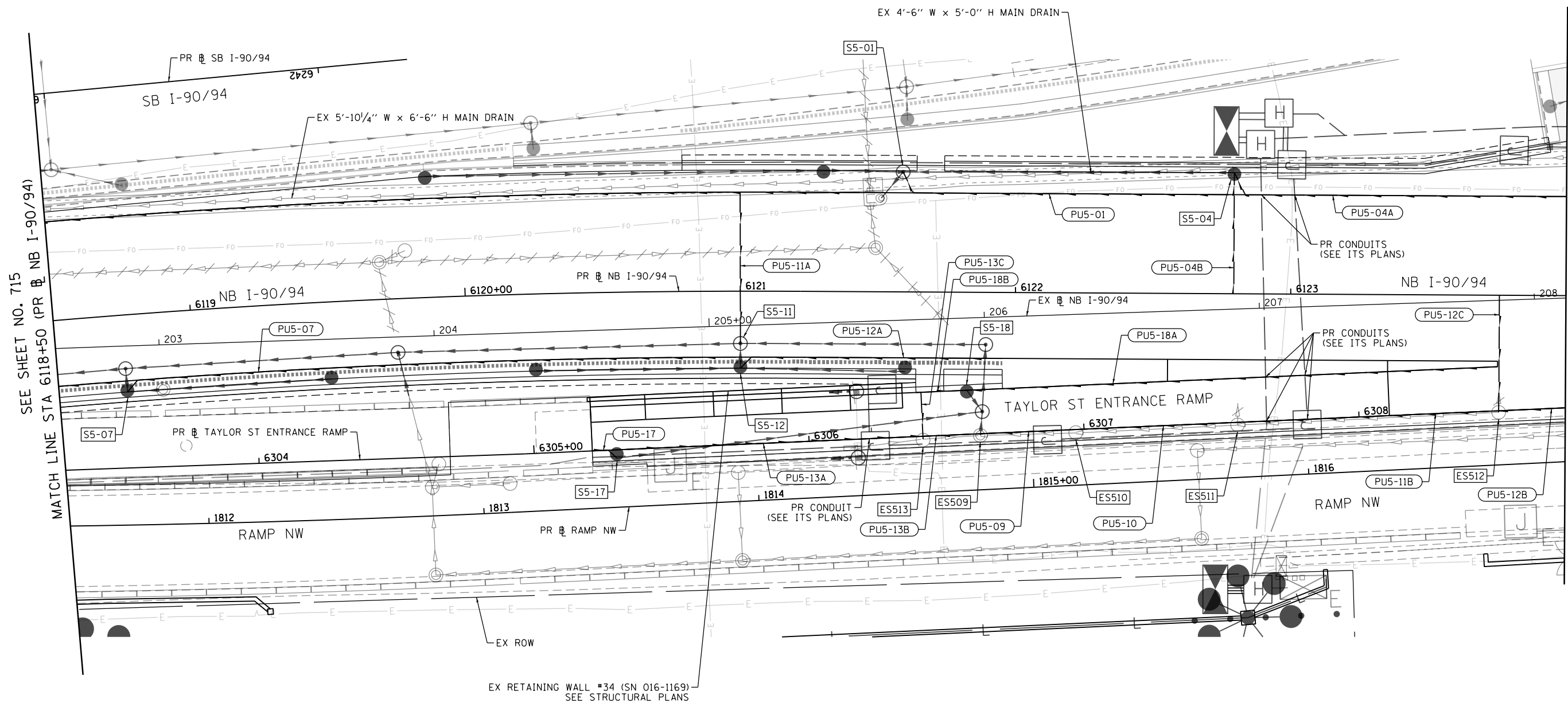
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 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 1/24/2020

DESIGNED - AFC	REVISED -
DRAWN - ZND	REVISED -
CHECKED - MJE	REVISED -
DATE - 1/29/20	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

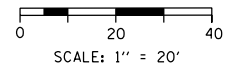
PROPOSED SUBSURFACE DRAINAGE PLAN
I-90/94
 SCALE: 1"=20' SHEET 4 OF 18 SHEETS STA. 6113+00 TO STA. 6118+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	715
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				



NOTE:

1. THE CONTRACTOR SHALL LOCATE AND INTERCEPT THE EXISTING PIPE UNDERDRAINS BELOW THE FACE OF THE OF THE EXISTING RETAINING WALLS AND CONNECT INTO A PROPOSED DRAINAGE STRUCTURE. AN ALLOWANCE QUANTITY OF PIPE UNDERDRAINS 6" (SPECIAL) IS PROVIDED ON THE DRAINAGE SCHEDULES. THE CONNECTION OF THE UNDERDRAINS INTO A DRAINAGE STRUCTURE IS INCLUDED IN THE COST OF PIPE UNDERDRAINS 6" (SPECIAL).



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D162A76-Sht-Drain-Subsurface-05.dgn	DESIGNED - AFC	REVISED -
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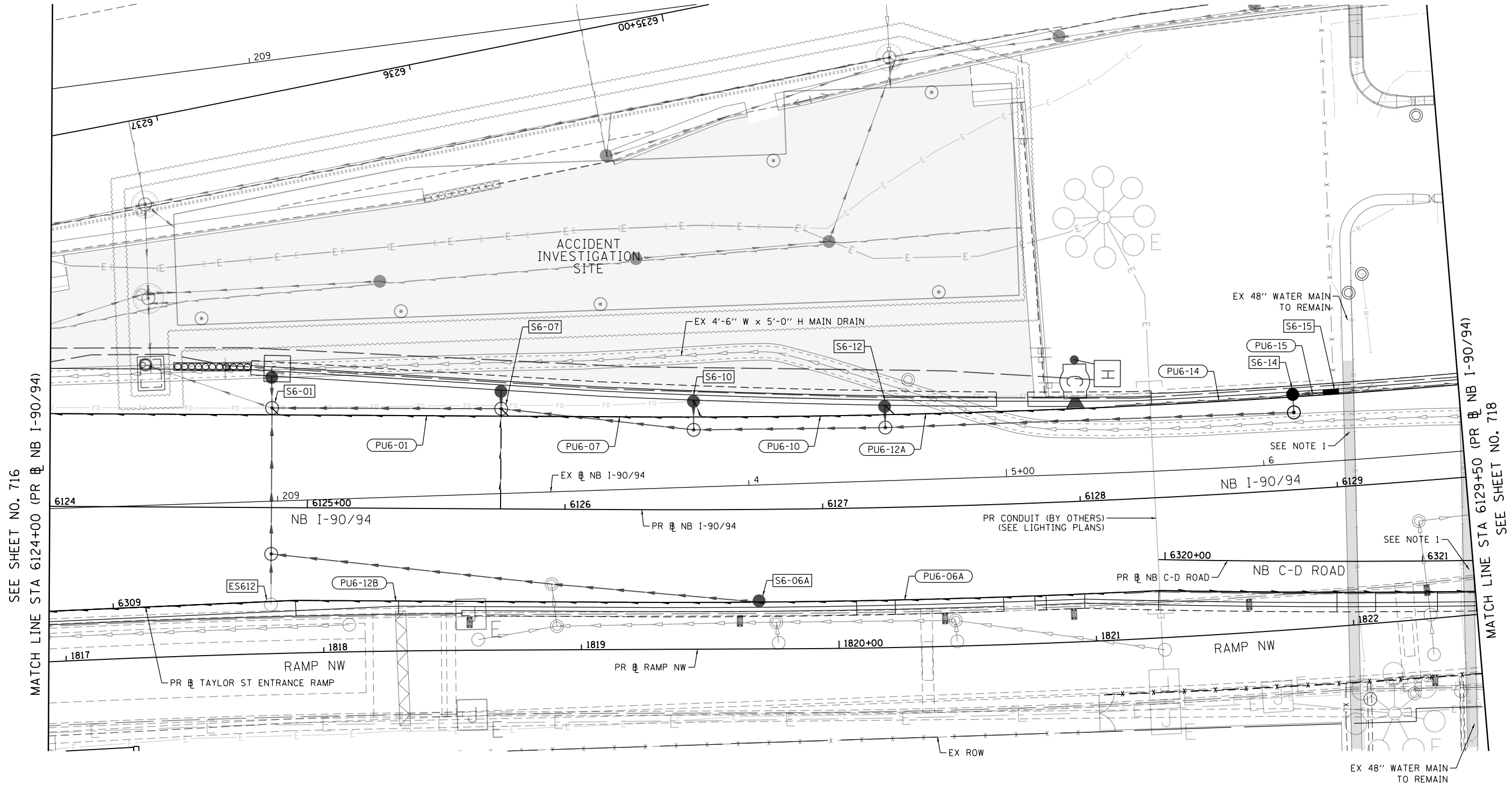
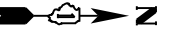
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DRAWN - ZND	REVISED -
CHECKED - MJE	REVISED -
DATE - 1/29/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED SUBSURFACE DRAINAGE PLAN
I-90/94**

SCALE: 1"=20' SHEET 5 OF 18 SHEETS STA. 6118+50 TO STA. 6124+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	716
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

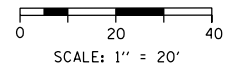


SEE SHEET NO. 716
MATCH LINE STA 6124+00 (PR NB I-90/94)

MATCH LINE STA 6129+50 (PR NB I-90/94)
SEE SHEET NO. 718

NOTES:

1. THE CONTRACTOR SHALL USE EXTRA CAUTION WHEN WORKING NEAR THE PRESTRESSED CONCRETE CYLINDER PIPE (PCCP) FEEDER MAINS NEAR CERMAK PUMPING STATION.
2. THE CONTRACTOR SHALL LOCATE AND INTERCEPT THE EXISTING PIPE UNDERDRAINS BELOW THE FACE OF THE OF THE EXISTING RETAINING WALLS AND CONNECT INTO A PROPOSED DRAINAGE STRUCTURE. AN ALLOWANCE QUANTITY OF PIPE UNDERDRAINS 6" (SPECIAL) IS PROVIDED ON THE DRAINAGE SCHEDULES. THE CONNECTION OF THE UNDERDRAINS INTO A DRAINAGE STRUCTURE IS INCLUDED IN THE COST OF PIPE UNDERDRAINS 6" (SPECIAL).



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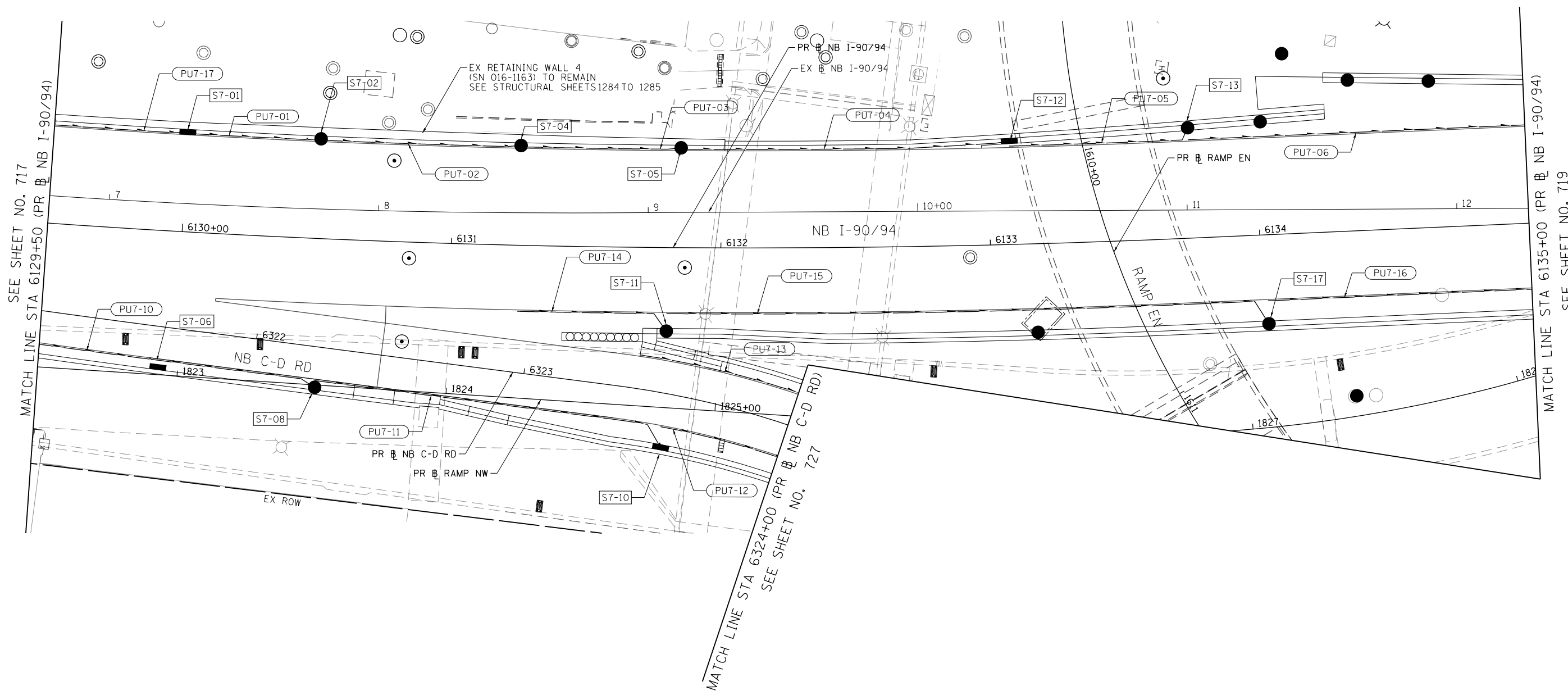


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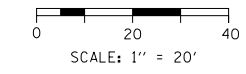
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED SUBSURFACE DRAINAGE PLAN			
I-90/94			
SCALE: 1"=20'	SHEET 6 OF 18 SHEETS	STA. 6124+00 TO STA. 6129+50	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	717
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				



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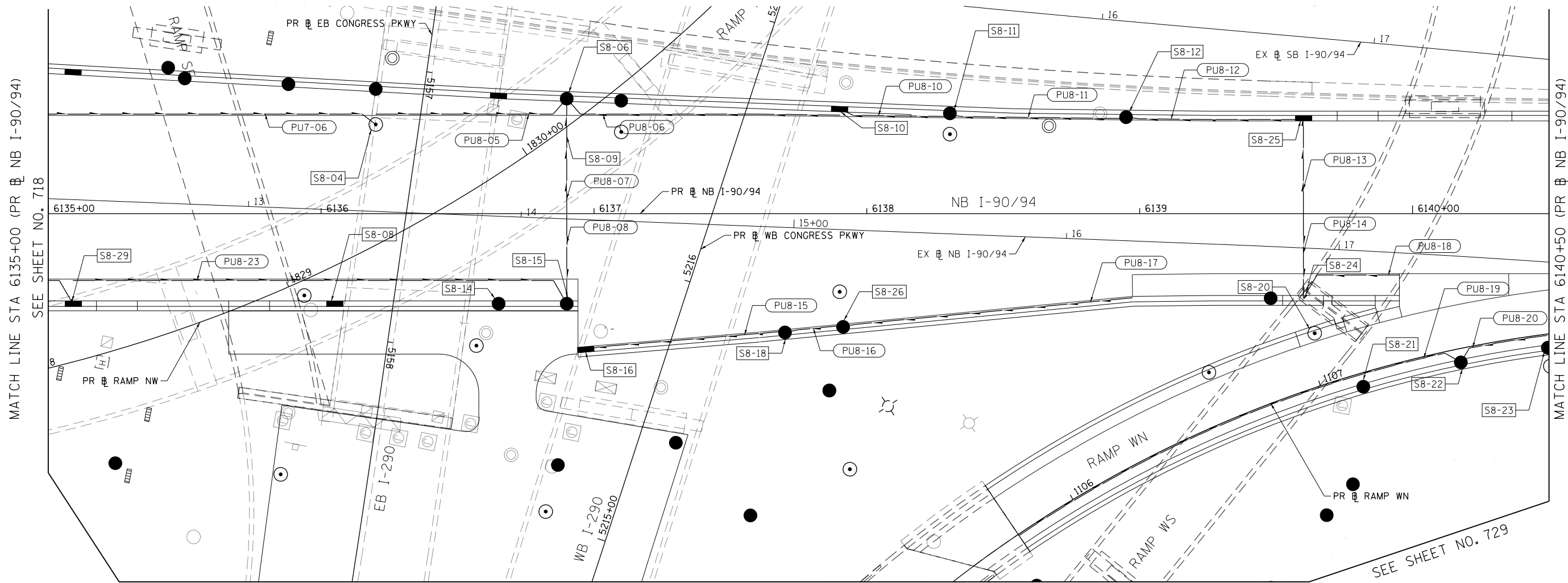
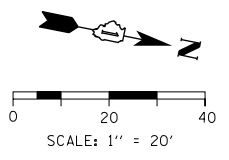
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PLOT DATE = 3/9/2020

DESIGNED - MRC	REVISED -
DRAWN - MRC	REVISED -
CHECKED - JMG	REVISED -
DATE - 3/4/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED SUBSURFACE DRAINAGE PLAN I-90/94			
SCALE: 1"=20'	SHEET 7 OF 18 SHEETS	STA. 6129+50	TO STA. 6135+00

F.A.I. RTE. 90/94/290	SECTION 2015-019R	COUNTY COOK	TOTAL SHEETS 2155	SHEET NO. 718
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				



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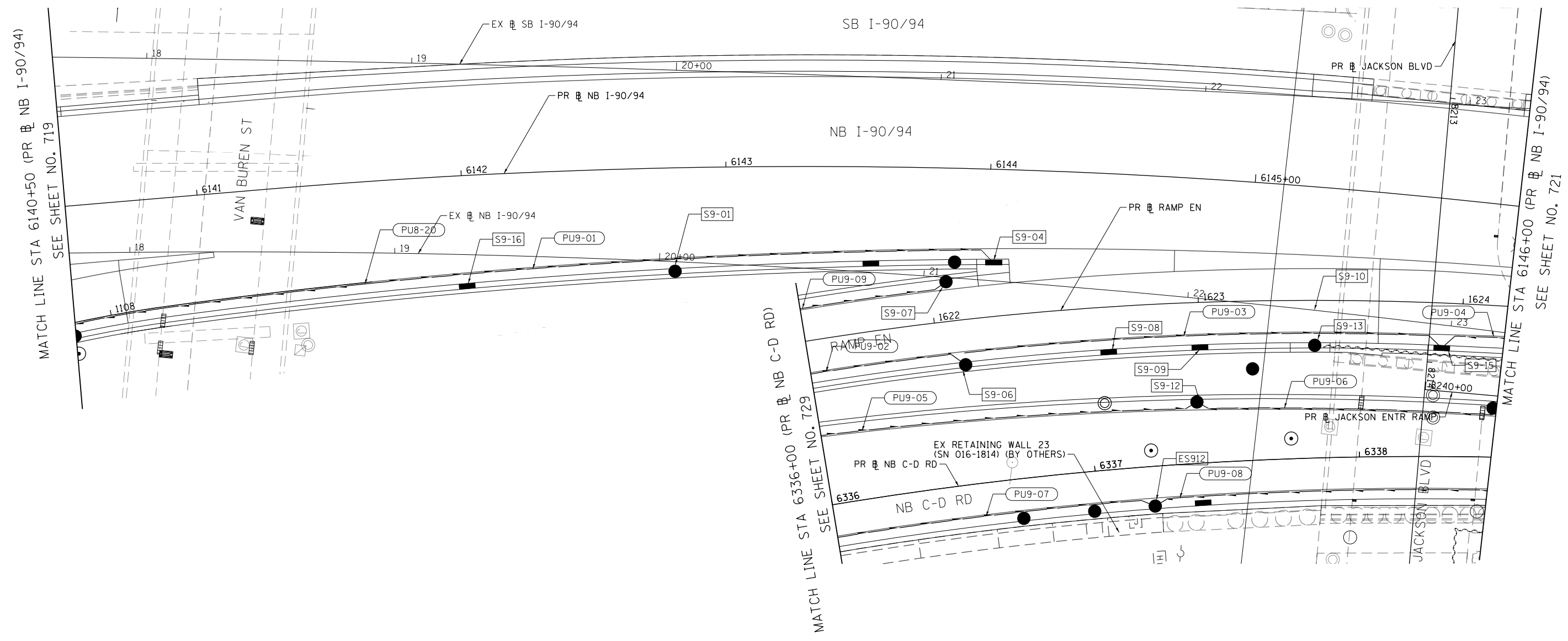
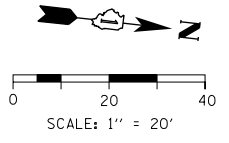
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PLOT SCALE = 40.0000' / in.
PLOT DATE = 3/9/2020

DESIGNED - MRC	REVISED -
DRAWN - MRC	REVISED -
CHECKED - JMG	REVISED -
DATE - 3/4/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED SUBSURFACE DRAINAGE PLAN			
I-90/94			
SCALE: 1"=20'	SHEET 8 OF 18 SHEETS	STA. 6129+50	TO STA. 6135+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	719
ILLINOIS FED. AID PROJECT				
CONTRACT NO. 62A76				



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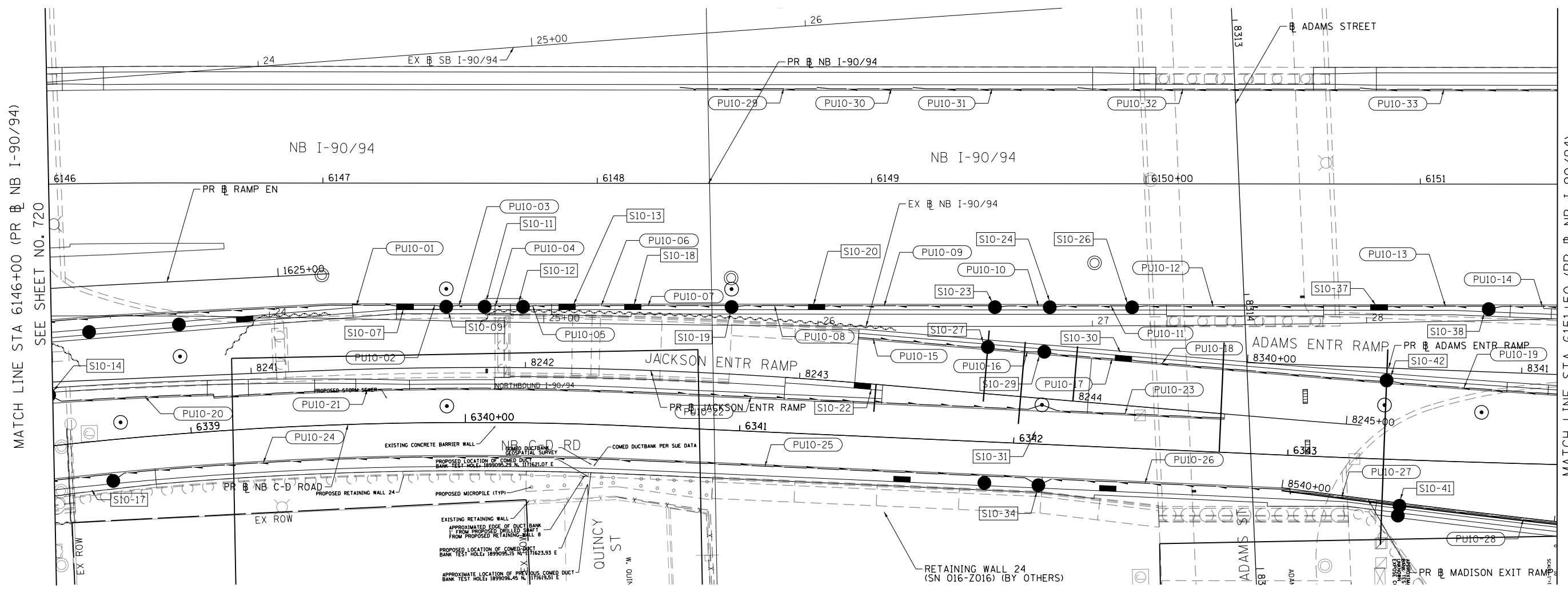
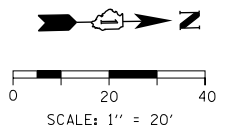
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PLOT SCALE = 40.0000' / in.
PLOT DATE = 1/29/2020

DESIGNED - MRC	REVISED -
DRAWN - MRC	REVISED -
CHECKED - JMG	REVISED -
DATE - 1/29/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED SUBSURFACE DRAINAGE PLAN I-90/94			
SCALE: 1"=20'	SHEET 9 OF 18 SHEETS	STA. 6129+50	TO STA. 6135+00

F.A.I. RTE. 90/94/290	SECTION 2015-019R	COUNTY COOK	TOTAL SHEETS 2155	SHEET NO. 720
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				



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 America's Transportation\60269938 Circle Phase: I-90-Subsurface-Drain-Subsurface-10.dgn

MATCH LINE STA 6146+00 (PR NB I-90/94)
 SEE SHEET NO. 720

MATCH LINE STA 6151+50 (PR NB I-90/94)
 SEE SHEET NO. 722



D162A76-Sht-Drain-Subsurface-10.dgn
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 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 1/29/2020

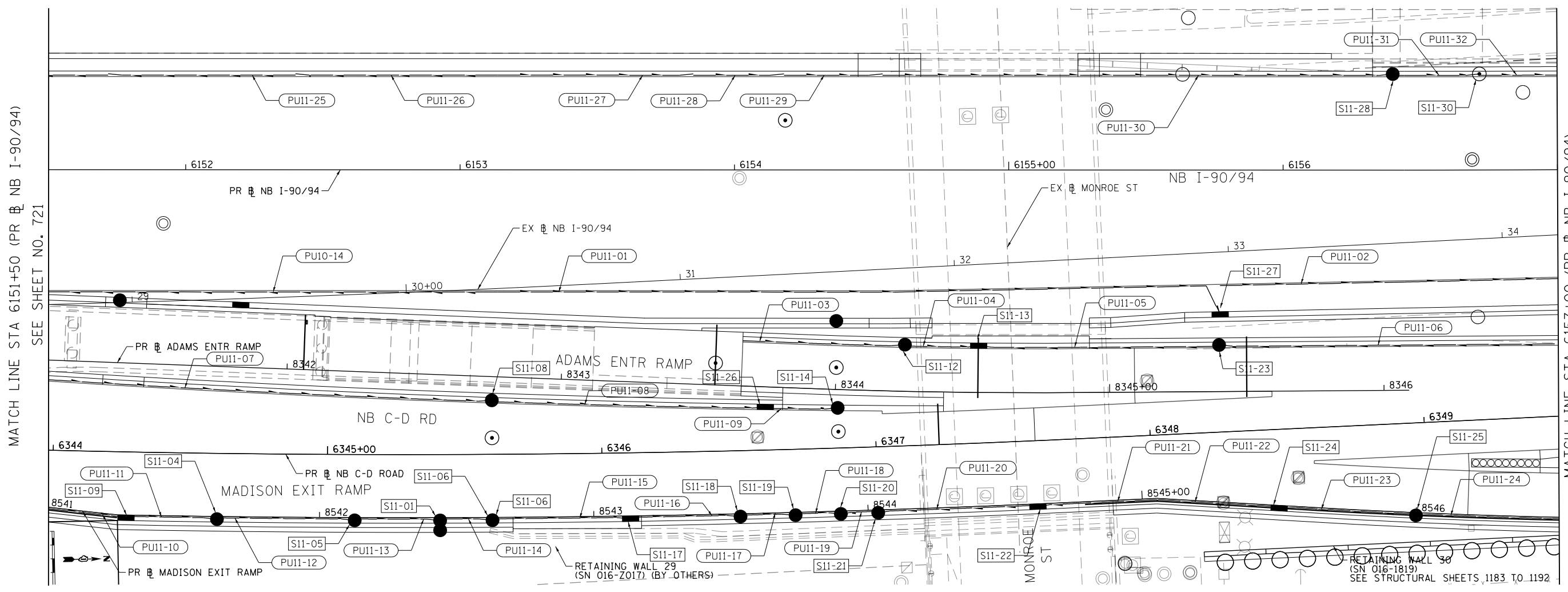
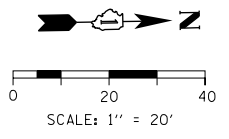
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DRAWN - MRC	REVISED -
CHECKED - JMG	REVISED -
DATE - 1/29/20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED SUBSURFACE DRAINAGE PLAN
I-90/94

SCALE: 1"=20' SHEET 10 OF 18 SHEETS STA. 6129+50 TO STA. 6135+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	721
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA 6151+50 (PR NB I-90/94)
SEE SHEET NO. 721

MATCH LINE STA 6157+00 (PR NB I-90/94)
SEE SHEET NO. 723

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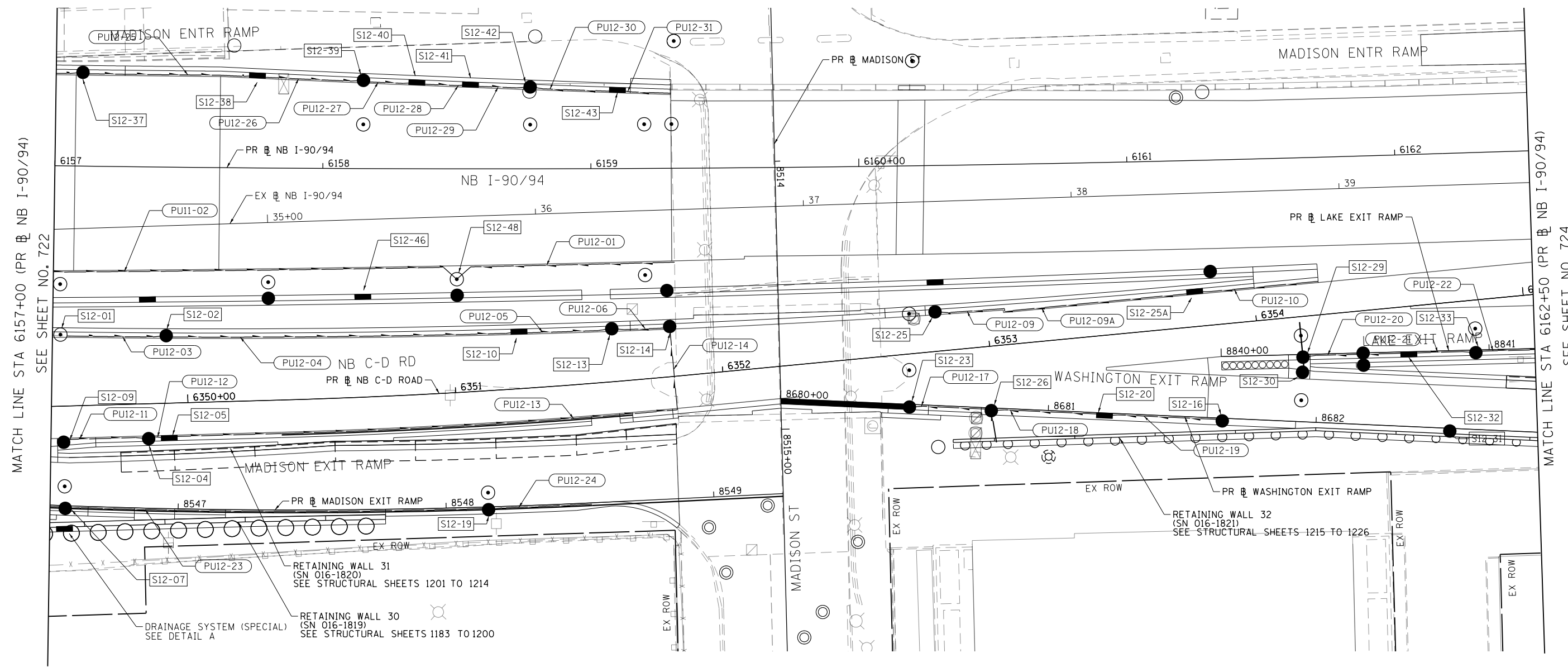
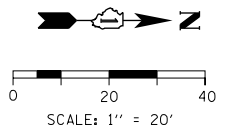


D162A76-Sht-Drain-Subsurface-11.dgn	DESIGNED - MRC	REVISED -
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PLOT SCALE = 40.0000' / in.	CHECKED - JMG	REVISED -
PLOT DATE = 1/29/2020	DATE - 1/29/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED SUBSURFACE DRAINAGE PLAN			
I-90/94			
SCALE: 1"=20'	SHEET 11 OF 18 SHEETS	STA. 6129+50 TO STA. 6135+00	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	722
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA 6157+00 (PR NB I-90/94)
SEE SHEET NO. 722

MATCH LINE STA 6162+50 (PR NB I-90/94)
SEE SHEET NO. 724

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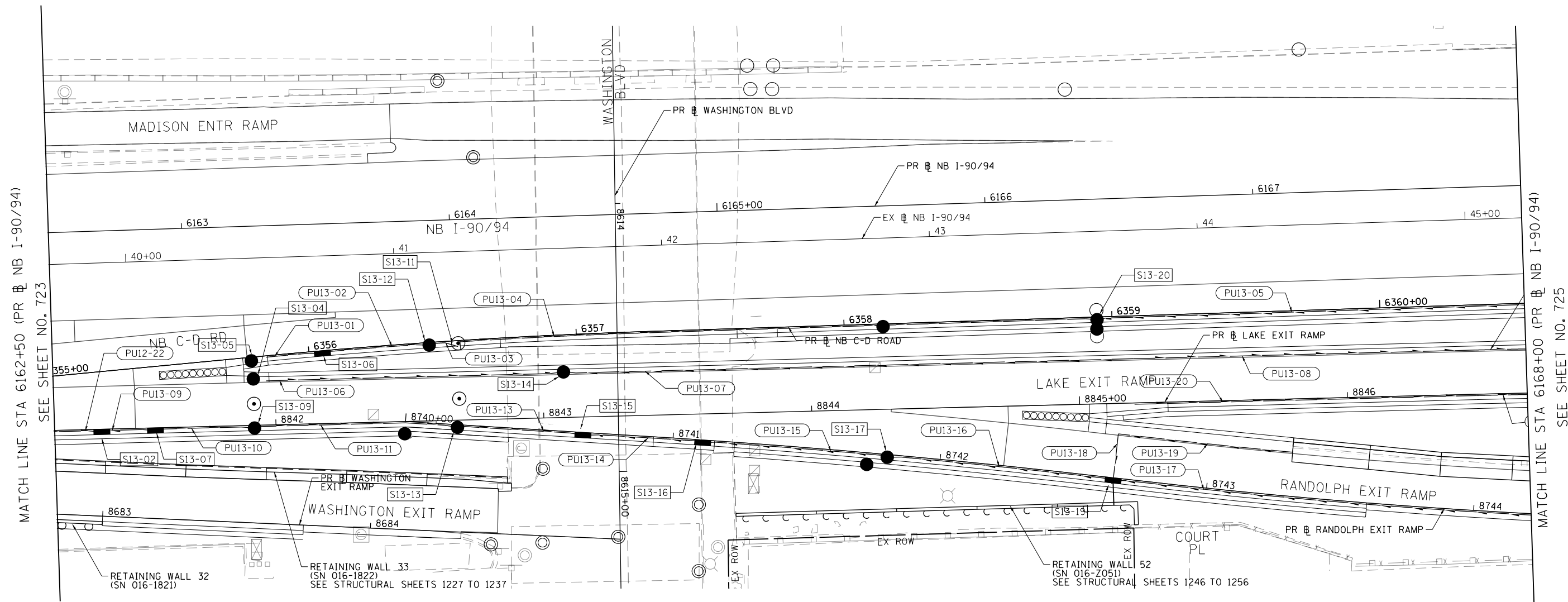
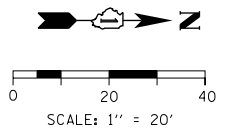
D162A76-Sht-Drain-Subsurface-12.dgn
USER NAME = amkluver
PLOT SCALE = 40.0000' / in.
PLOT DATE = 1/29/2020

DESIGNED - MRC	REVISED -
DRAWN - MRC	REVISED -
CHECKED - JMG	REVISED -
DATE - 1/29/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED SUBSURFACE DRAINAGE PLAN			
I-90/94			
SCALE: 1"=20'	SHEET 12 OF 18 SHEETS	STA. 6129+50 TO STA. 6135+00	

F.A.I. RTE. 90/94/290	SECTION 2015-019R	COUNTY COOK	TOTAL SHEETS 2155	SHEET NO. 723
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA 6162+50 (PR NB I-90/94)
SEE SHEET NO. 723

MATCH LINE STA 6168+00 (PR NB I-90/94)
SEE SHEET NO. 725

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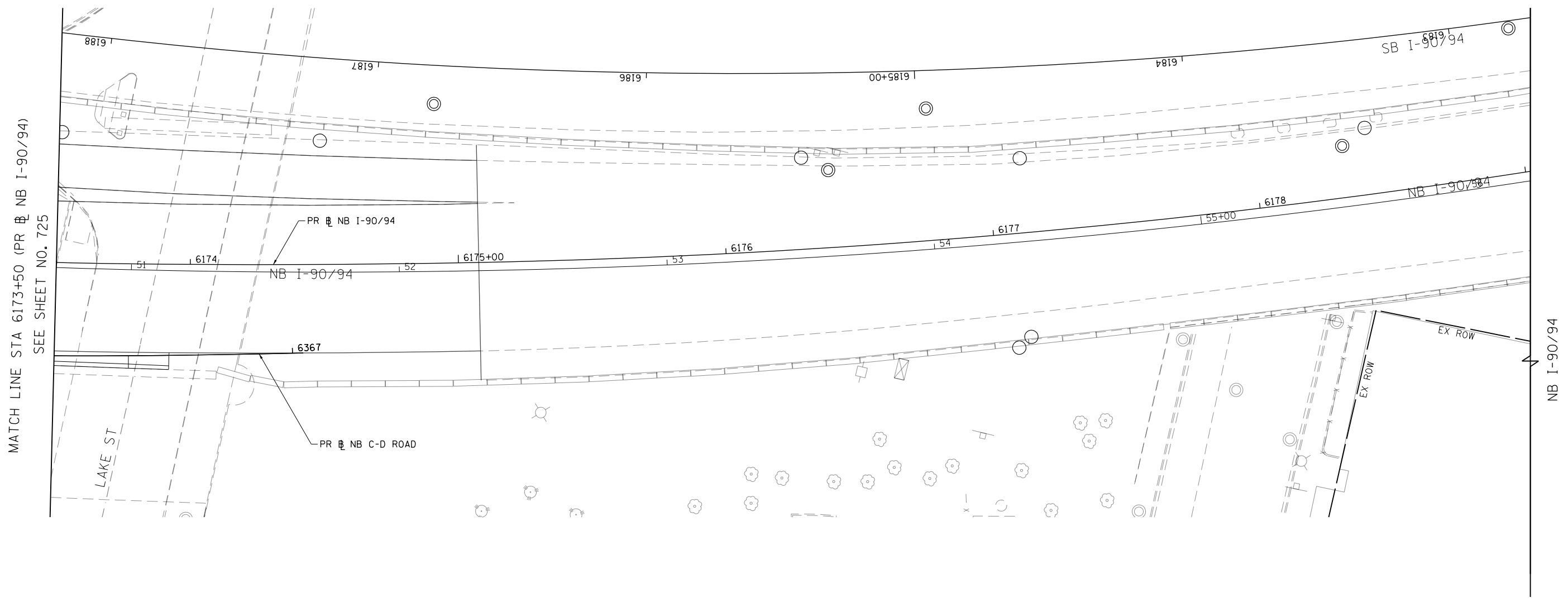
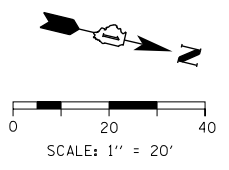
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USER NAME = amkluver
PLOT SCALE = 40.0000' / in.
PLOT DATE = 1/29/2020

DESIGNED - MRC	REVISED -
DRAWN - MRC	REVISED -
CHECKED - JMG	REVISED -
DATE - 1/29/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED SUBSURFACE DRAINAGE PLAN			
I-90/94			
SCALE: 1"=20'	SHEET 13 OF 18 SHEETS	STA. 6129+50 TO STA. 6135+00	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	724
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA 6173+50 (PR NB I-90/94)
 SEE SHEET NO. 725

NB I-90/94

FILE PATH = p:\N\F\COM\NH-NV\Leecomon\line\local\I-90\DS02_IL\000_CAD\006_Roadway\Sheets\62A76_Contract\0162A76-Sht-Drain-Subsurface-15.dgn

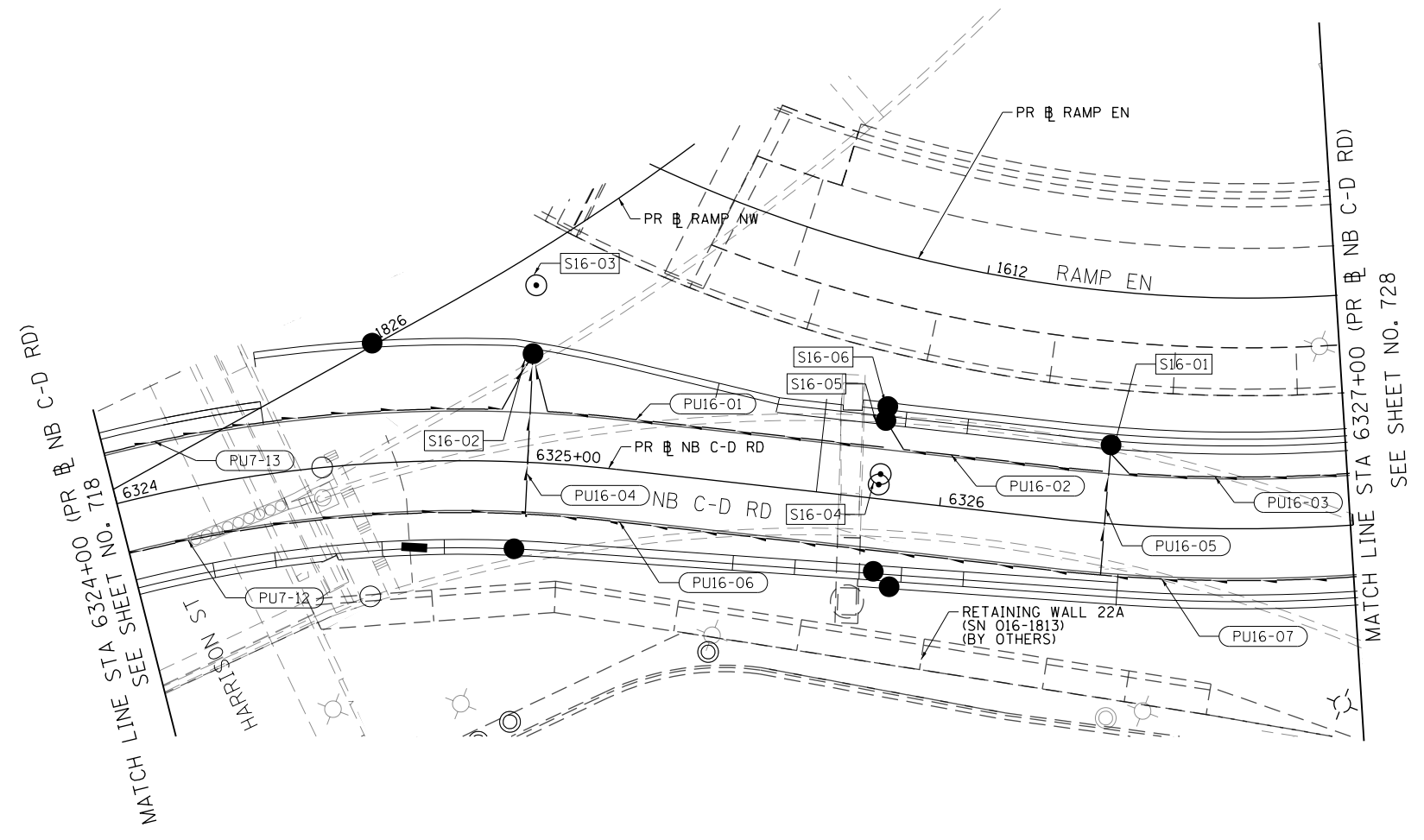
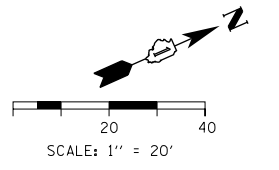


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PLOT SCALE = 40.0000' / in.	CHECKED - JMG	REVISED -
PLOT DATE = 1/29/2020	DATE - 1/29/20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED SUBSURFACE DRAINAGE PLAN			
I-90/94			
SCALE: 1"=20'	SHEET 15 OF 18 SHEETS	STA. 6129+50 TO STA. 6135+00	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	726
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				



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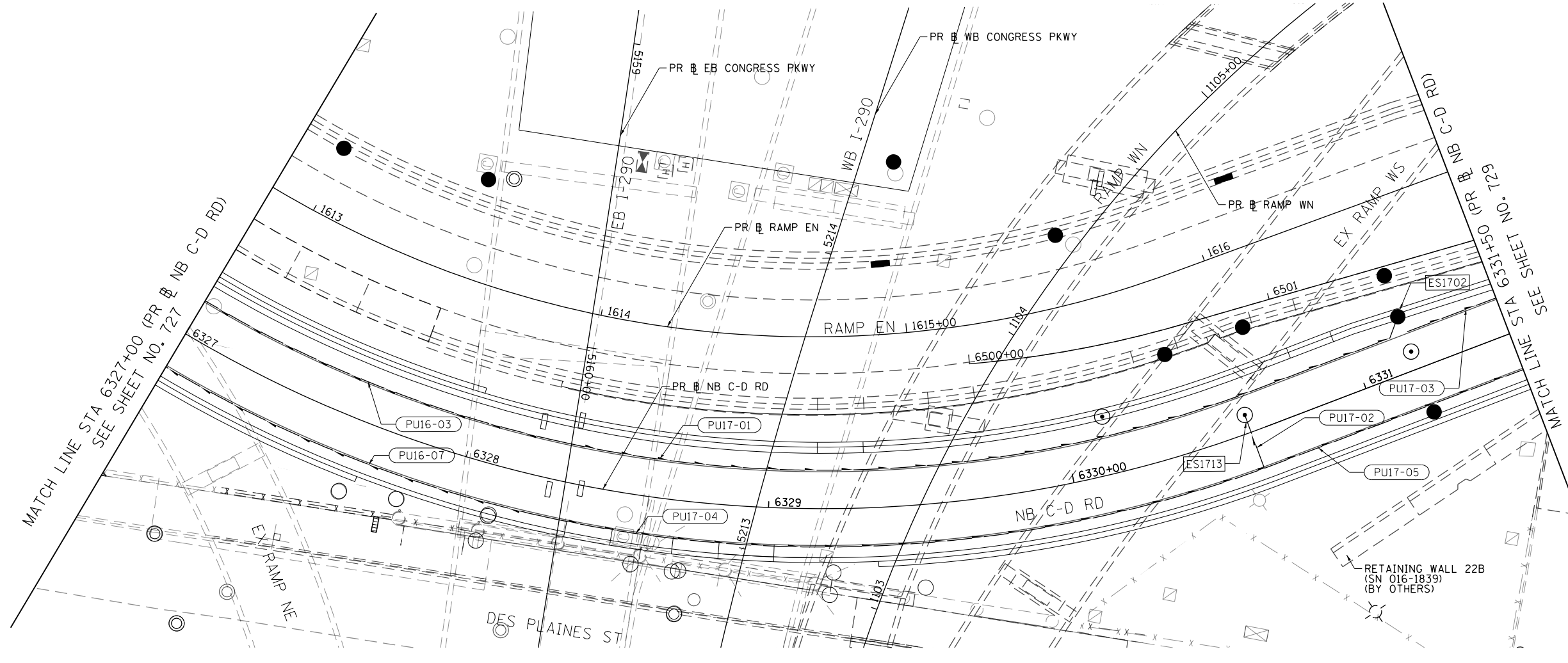
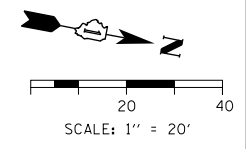


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PLOT SCALE = 40.0000' / in.	CHECKED - JMG	REVISED -
PLOT DATE = 1/29/2020	DATE - 1/29/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED SUBSURFACE DRAINAGE PLAN			
I-9094			
SCALE: 1"=20'	SHEET 16 OF 18 SHEETS	STA. 6129+50	TO STA. 6135+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	727
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				



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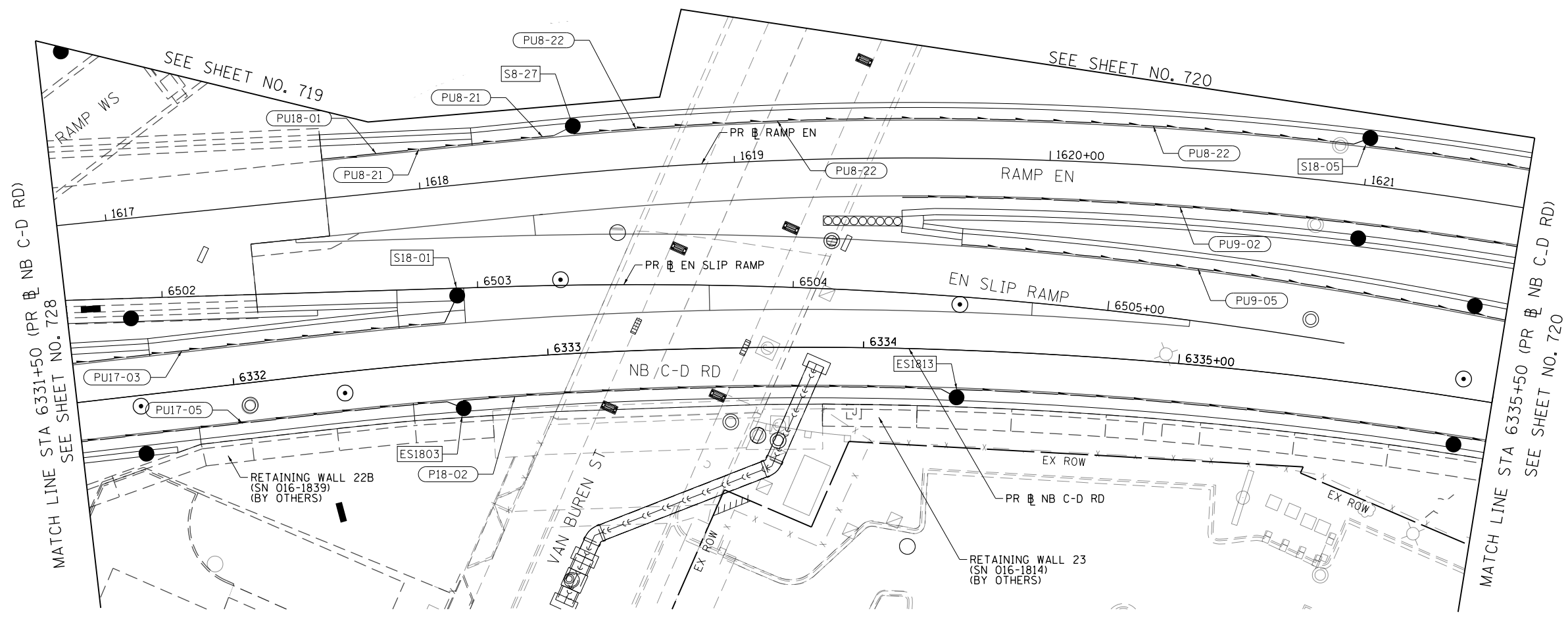
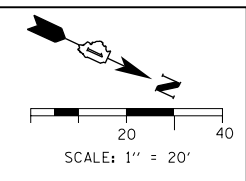
D162A76-Sht-Drain-Subsurface-17.dgn
USER NAME = amkluver
PLOT SCALE = 40.0000' / in.
PLOT DATE = 1/29/2020

DESIGNED - MRC	REVISED -
DRAWN - MRC	REVISED -
CHECKED - JMG	REVISED -
DATE - 1/29/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED SUBSURFACE DRAINAGE PLAN			
I-9094			
SCALE: 1"=20'	SHEET 17 OF 18 SHEETS	STA. 6129+50	TO STA. 6135+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	728
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				



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D162A76-Sht-Drain-Subsurface-18.dgn
USER NAME = ml-roe
PLOT SCALE = 40.0000' / in.
PLOT DATE = 1/30/2020

DESIGNED - MRC	REVISED -
DRAWN - MRC	REVISED -
CHECKED - JMG	REVISED -
DATE - 1/29/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED SUBSURFACE DRAINAGE PLAN			
I-9094			
SCALE: 1"=20'	SHEET 18 OF 18 SHEETS	STA. 6129+50	TO STA. 6135+00

F.A.I. RTE. 90/94/290	SECTION 2015-019R	COUNTY COOK	TOTAL SHEETS 2155	SHEET NO. 729
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

PLAN	SUBMITTED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT CHECKED		
	NOTE BOOK NO.		
	CARD FILE NAME		

PROFILE	SUBMITTED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	STRUCTURE		

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D162476-SHT-Drain-PRO-01.dgn
 USER NAME = dishevoz
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 1/29/2020

DESIGNED - AFC
 DRAWN - ZND
 CHECKED - MJE
 DATE - 1/29/20

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE AND UTILITIES PROFILE
 I-90/94

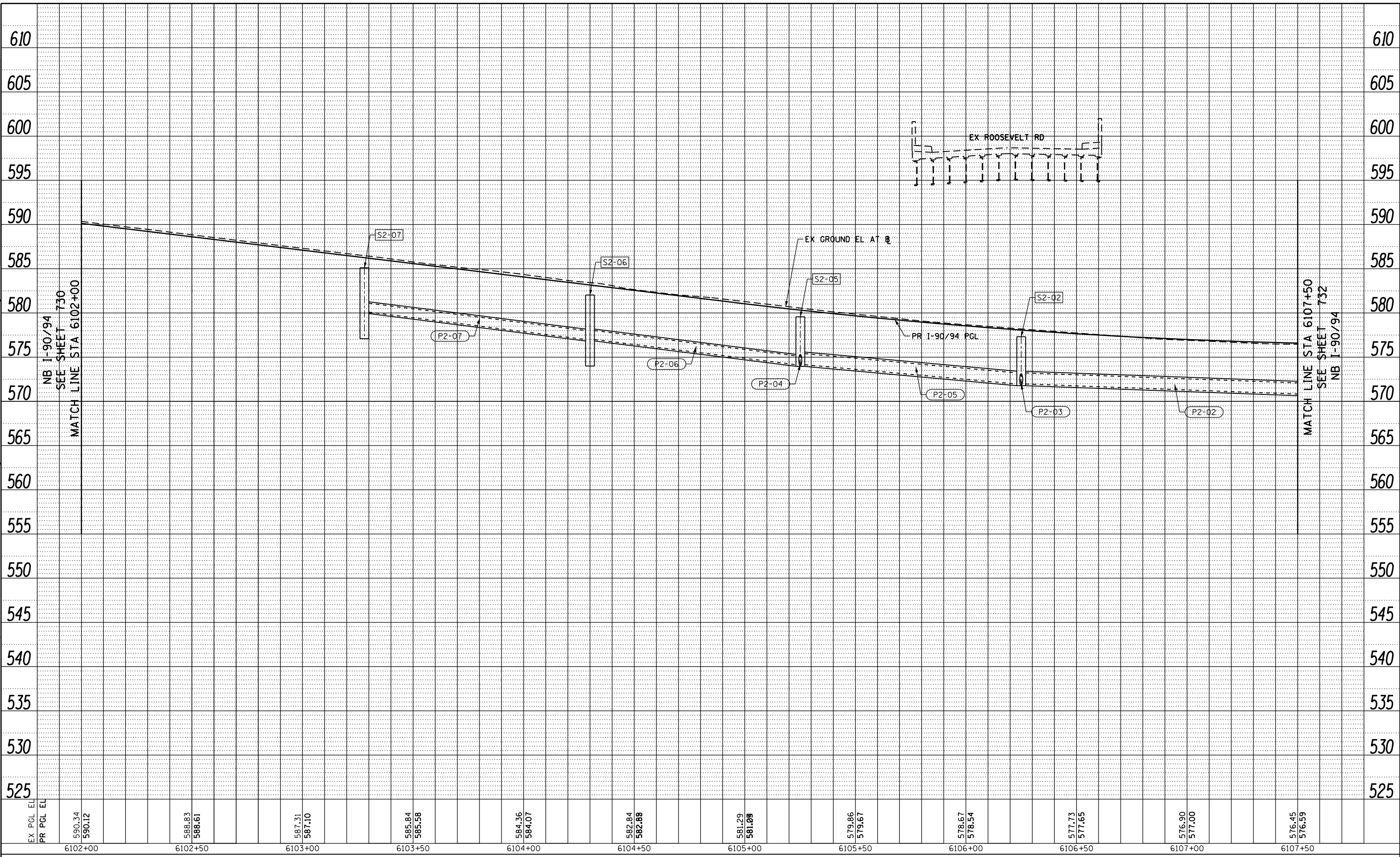
SCALE: 1"=20' SHEET 1 OF 38 SHEETS STA. 6098+00 TO STA. 6102+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	730
				CONTRACT NO. 62A76
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	ALIGNMENT CHECKED		
	NO.		
	CARD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	NO.		
	STRUCTURE		
	NOT AT THIS OFFICE		

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EX PCL EL	590.34	588.83	587.31	585.84	584.36	582.84	581.29	579.86	578.67	577.73	576.90	576.45
PR PCL EL	590.12	588.61	587.10	585.58	584.07	582.58	581.05	579.67	578.54	577.65	577.00	576.59
	6102+00	6102+50	6103+00	6103+50	6104+00	6104+50	6105+00	6105+50	6106+00	6106+50	6107+00	6107+50



D162A76-SHT-Drain-PRO-02.dgn
 USER NAME = dishevoz
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 1/24/2020

DESIGNED - AFC
 DRAWN - ZND
 CHECKED - MJE
 DATE - 1/29/20

REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

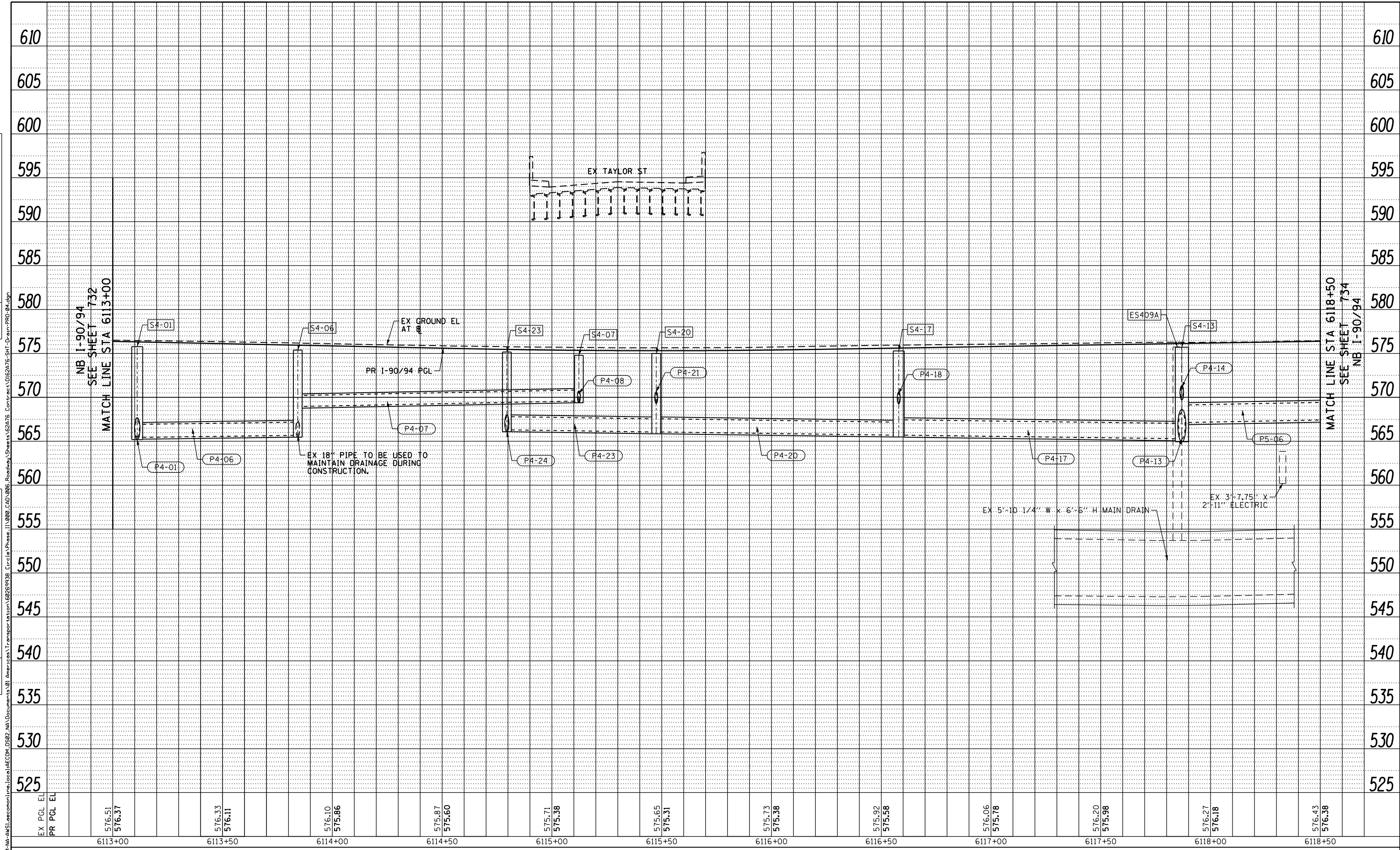
PROPOSED DRAINAGE AND UTILITIES PROFILE
 I-90/94

SCALE: 1"=20' SHEET 2 OF 38 SHEETS STA. 6102+00 TO STA. 6107+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	731
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	NO. _____	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE	
	NOTATIS OK'D	
	NO. _____	



EX PCL EL	576.51	576.33	576.10	575.87	575.71	575.65	575.73	575.92	576.06	576.20	576.27	576.43
PR PCL EL	576.37	576.11	575.86	575.60	575.38	575.31	575.38	575.58	575.78	575.98	576.18	576.38
	6113+00	6113+50	6114+00	6114+50	6115+00	6115+50	6116+00	6116+50	6117+00	6117+50	6118+00	6118+50



D162476-SHT-Drain-PRO-04.dgn
 USER NAME = dishevoz
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 1/29/2020

DESIGNED - AFC	REVISED -
DRAWN - ZND	REVISED -
CHECKED - MJE	REVISED -
DATE - 1/29/20	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

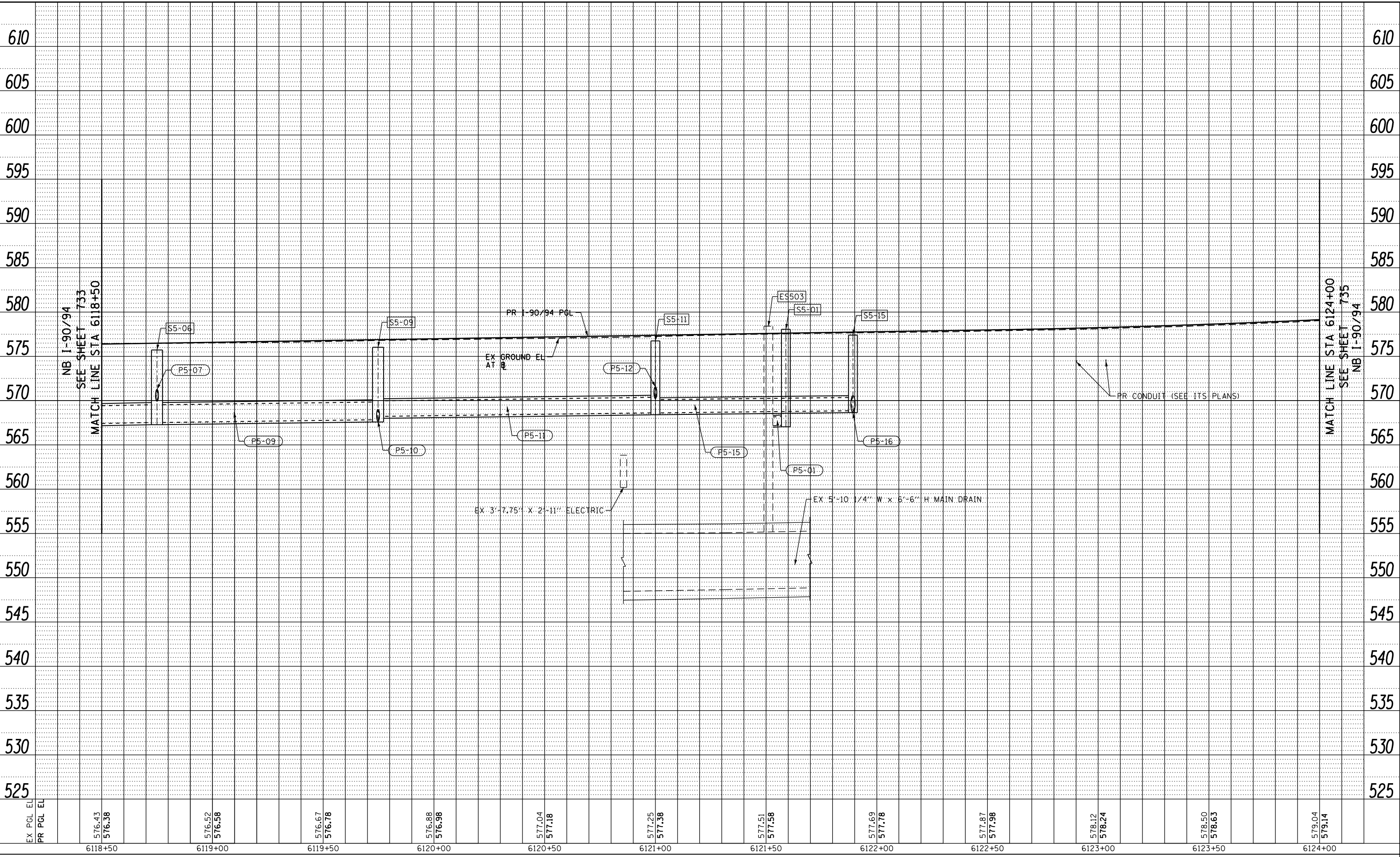
PROPOSED DRAINAGE AND UTILITIES PROFILE
 I-9094
 SCALE: 1"=20' SHEET 4 OF 38 SHEETS STA. 6113+00 TO STA. 6118+50

F.A.I. RTE. 90/94/290	SECTION 2015-019R	COUNTY COOK	TOTAL SHEETS 2155	SHEET NO. 733
CONTRACT NO. 62A76			ILLINOIS FED. AID PROJECT	

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

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EX PCL EL	576.43	576.52	576.67	576.88	577.04	577.25	577.51	577.69	577.87	578.12	578.50	579.04
PR PCL EL	576.38	576.58	576.78	576.98	577.18	577.38	577.58	577.78	577.98	578.24	578.63	579.14
	6118+50	6119+00	6119+50	6120+00	6120+50	6121+00	6121+50	6122+00	6122+50	6123+00	6123+50	6124+00



D162A76-SHT-Drain-PRO-05.dgn
 USER NAME = dishevoz
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 1/29/2020

DESIGNED - AFC
 DRAWN - ZND
 CHECKED - MJE
 DATE - 1/29/20

REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

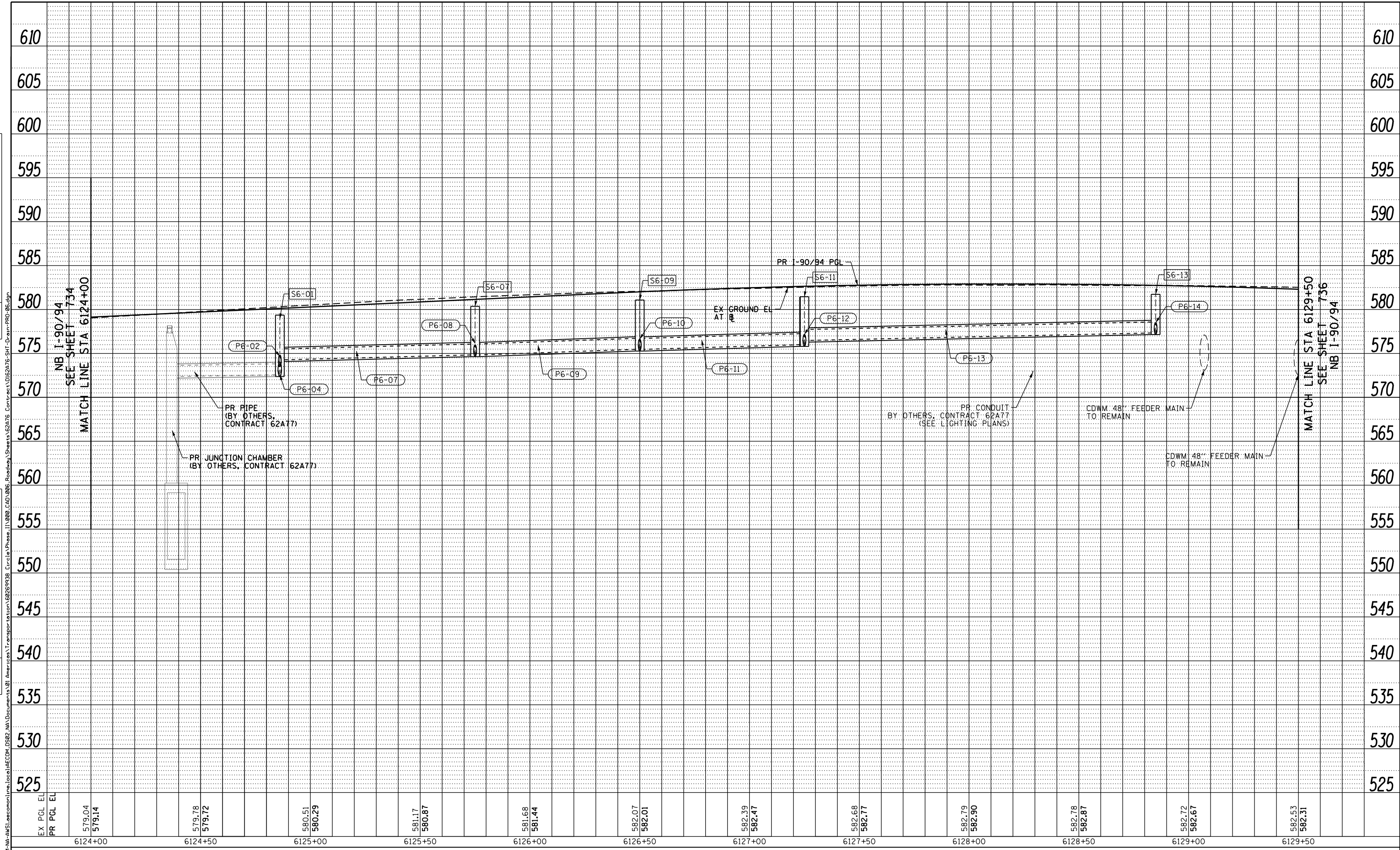
PROPOSED DRAINAGE AND UTILITIES PROFILE
 I-9094

SCALE: 1"=20' SHEET 5 OF 38 SHEETS STA. 6118+50 TO STA. 6124+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	734
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

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

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE		
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	CHKO		
	NO.		



EX PCL EL	579.04	579.78	580.51	581.17	581.68	582.07	582.39	582.68	582.79	582.78	582.72	582.53
PR PCL EL	579.14	579.72	580.29	580.87	581.44	582.01	582.47	582.77	582.90	582.87	582.67	582.31
	6124+00	6124+50	6125+00	6125+50	6126+00	6126+50	6127+00	6127+50	6128+00	6128+50	6129+00	6129+50



D162476-SHT-Drain-PRO-06.dgn
 USER NAME = dshevoz
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 1/29/2020

DESIGNED - AFC
 DRAWN - ZND
 CHECKED - MJE
 DATE - 1/29/20

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE AND UTILITIES PROFILE
 I-90/94

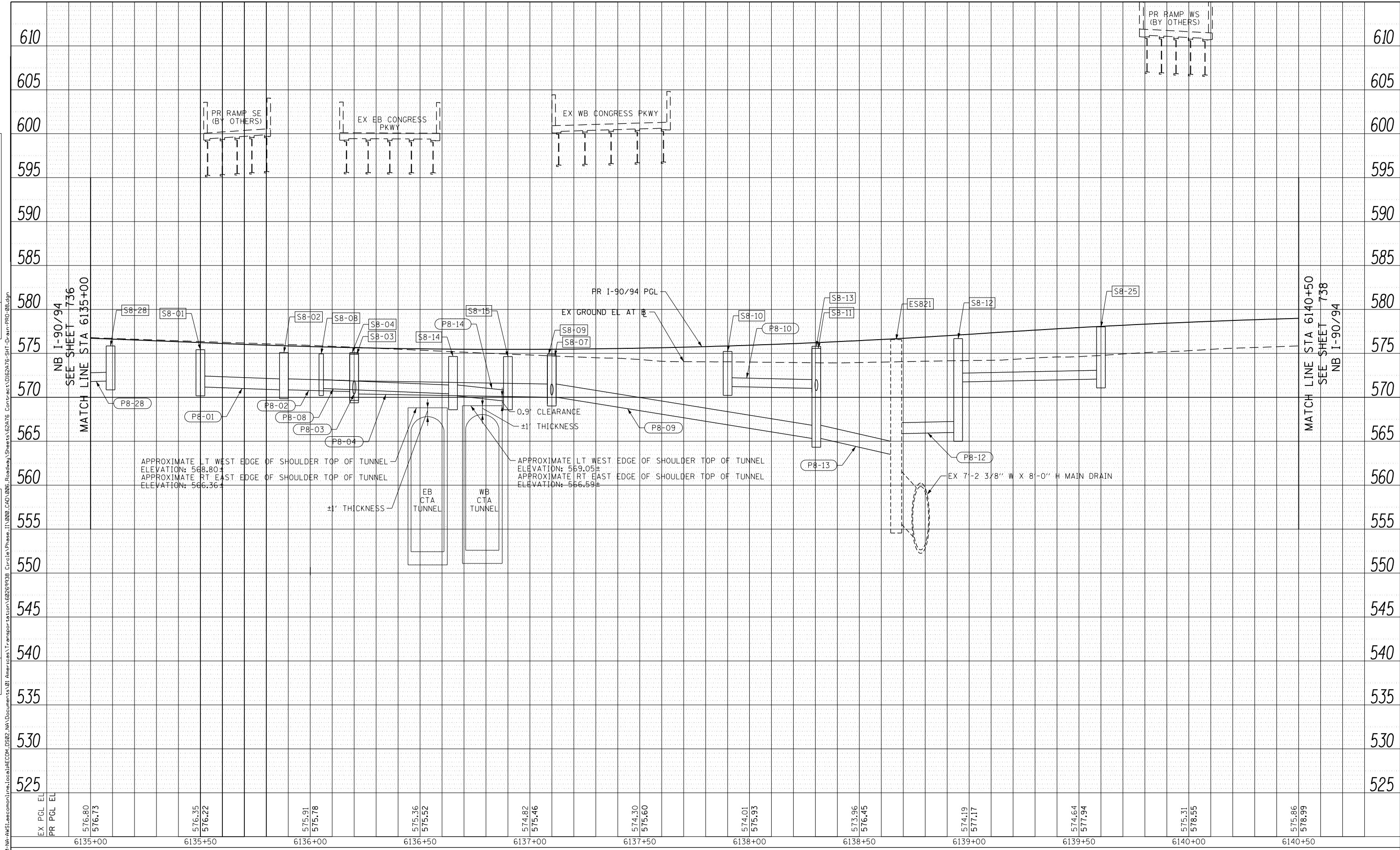
SCALE: 1"=20' SHEET 6 OF 38 SHEETS STA. 6124+00 TO STA. 6129+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	735
CONTRACT NO. 62A76				

ILLINOIS FED. AID PROJECT

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOT AT THIS CHKD	
	NO. _____	
	NOTE BOOK _____	
	CADD FILE NAME _____	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOT AT THIS CHKD	
	NO. _____	
	NOTE BOOK _____	
	CADD FILE NAME _____	



EX PGL EL	574.80	576.35	575.91	575.36	574.82	574.30	574.01	573.96	574.19	574.64	575.31	575.86
PR PGL EL	576.73	576.22	575.78	575.52	575.46	575.60	575.93	576.45	577.17	577.94	578.55	578.99
	6135+00	6135+50	6136+00	6136+50	6137+00	6137+50	6138+00	6138+50	6139+00	6139+50	6140+00	6140+50



D162A76-SHT-Drain-PRO-08.dgn	DESIGNED - MKW	REVISED -
USER NAME = mrc155	DRAWN - NRH	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - JMC	REVISED -
PLOT DATE = 3/9/2020	DATE - 3/4/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

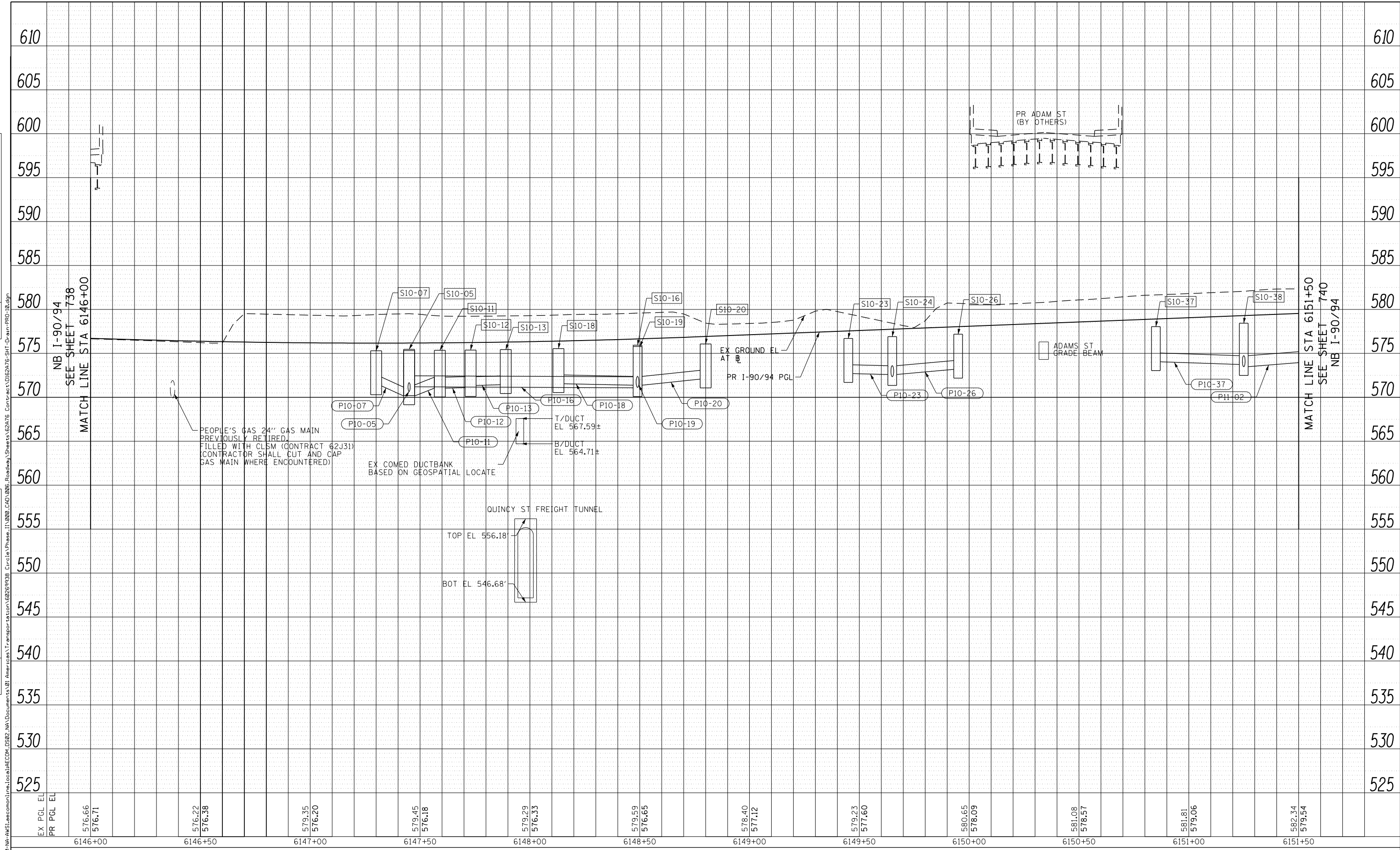
**PROPOSED DRAINAGE AND UTILITIES PROFILE
I-90/94**

SCALE: 1"=20' SHEET 8 OF 38 SHEETS STA. 6135+00 TO STA. 6140+50

F.A.I. RTE. 90/94/290	SECTION 2015-019R	COUNTY COOK	TOTAL SHEETS 2155	SHEET NO. 737
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62A76	

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

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE	
	NOT AT THIS OFFICE	
	NO. _____	
	NOTE BOOK	
	NOT AT THIS OFFICE	



D162A76-SHT-Drain-PRO-10.dgn	DESIGNED - MKW	REVISED -
USER NAME = amkluver	DRAWN - NRH	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - JMC	REVISED -
PLOT DATE = 1/29/2020	DATE - 1/29/20	REVISED -

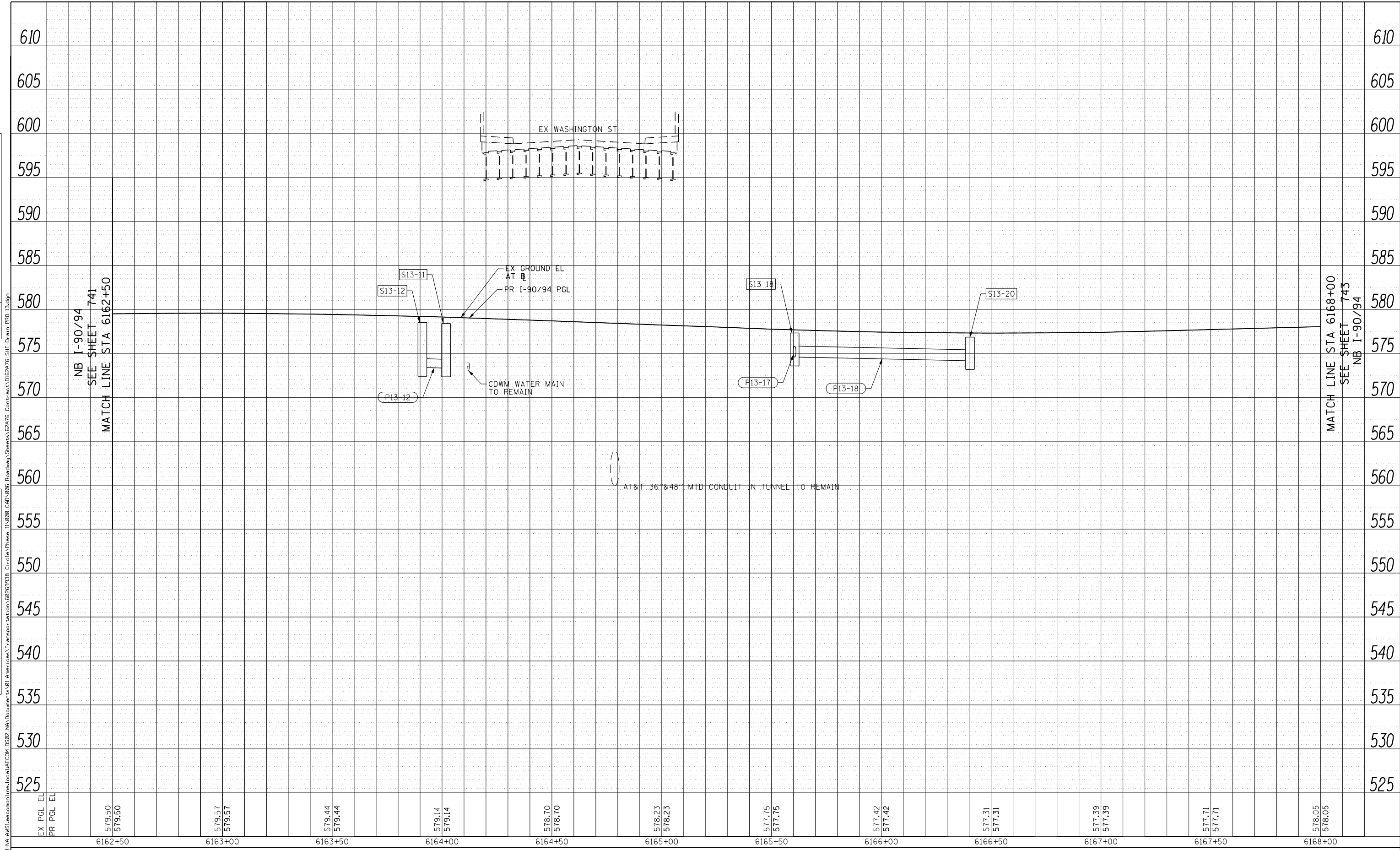
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE AND UTILITIES PROFILE			
I-9094			
SCALE: 1"=20'	SHEET 10	OF 38 SHEETS	STA. 6146+00 TO STA. 6151+50

F.A.I. RTE. 90/94/290	SECTION 2015-019R	COUNTY COOK	TOTAL SHEETS 2155	SHEET NO. 739
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOT AT THIS CHKD		
	NOTE BOOK NO.		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOT AT THIS CHKD		
	NOTE BOOK NO.		
	CADD FILE NAME		



EX PGL EL	579.50	579.57	579.44	579.14	578.70	578.23	577.75	577.42	577.31	577.39	577.71	578.05
PR PGL EL	579.50	579.57	579.44	579.14	578.70	578.23	577.75	577.42	577.31	577.39	577.71	578.05
	6162+50	6163+00	6163+50	6164+00	6164+50	6165+00	6165+50	6166+00	6166+50	6167+00	6167+50	6168+00



D162A76-SHT-Drain-PRO-13.dgn	DESIGNED - MKW	REVISED -
USER NAME = ml-roe	DRAWN - NRH	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - JMC	REVISED -
PLOT DATE = 3/6/2020	DATE - 3/4/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED DRAINAGE AND UTILITIES PROFILE
I-90/94**

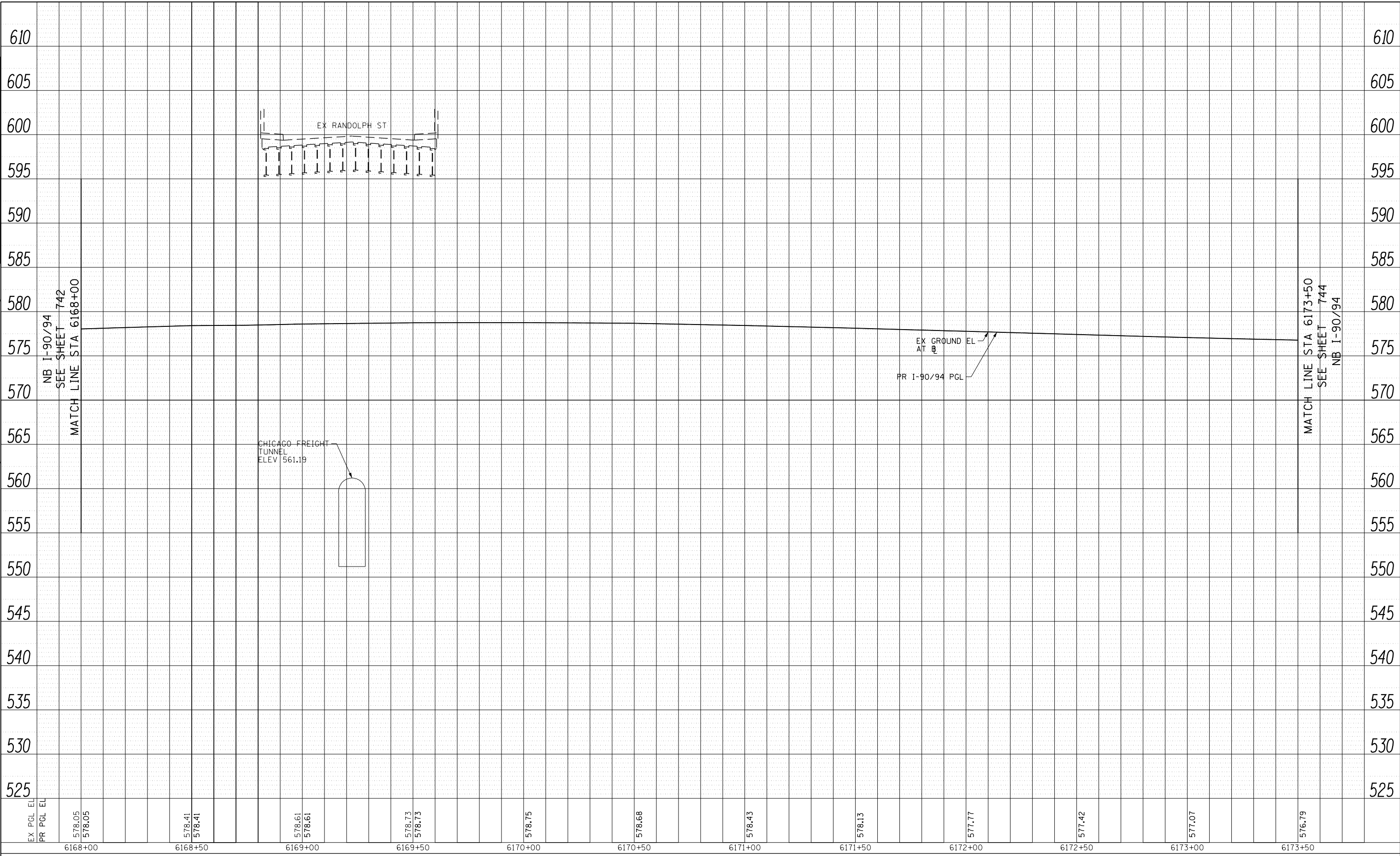
SCALE: 1"=20' SHEET 13 OF 38 SHEETS STA. 6162+50 TO STA. 6168+00

F.A.I. RTE. 90/94/290	SECTION 2015-019R	COUNTY COOK	TOTAL SHEETS 2155	SHEET NO. 742
CONTRACT NO. 62A76			ILLINOIS FED. AID PROJECT	

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

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE	
	NOT AT THIS OFFICE	
	NO.	
	NOTE BOOK	

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USER NAME = amkluver	DRAWN - NRH	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - JMC	REVISED -
PLOT DATE = 1/29/2020	DATE - 1/29/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

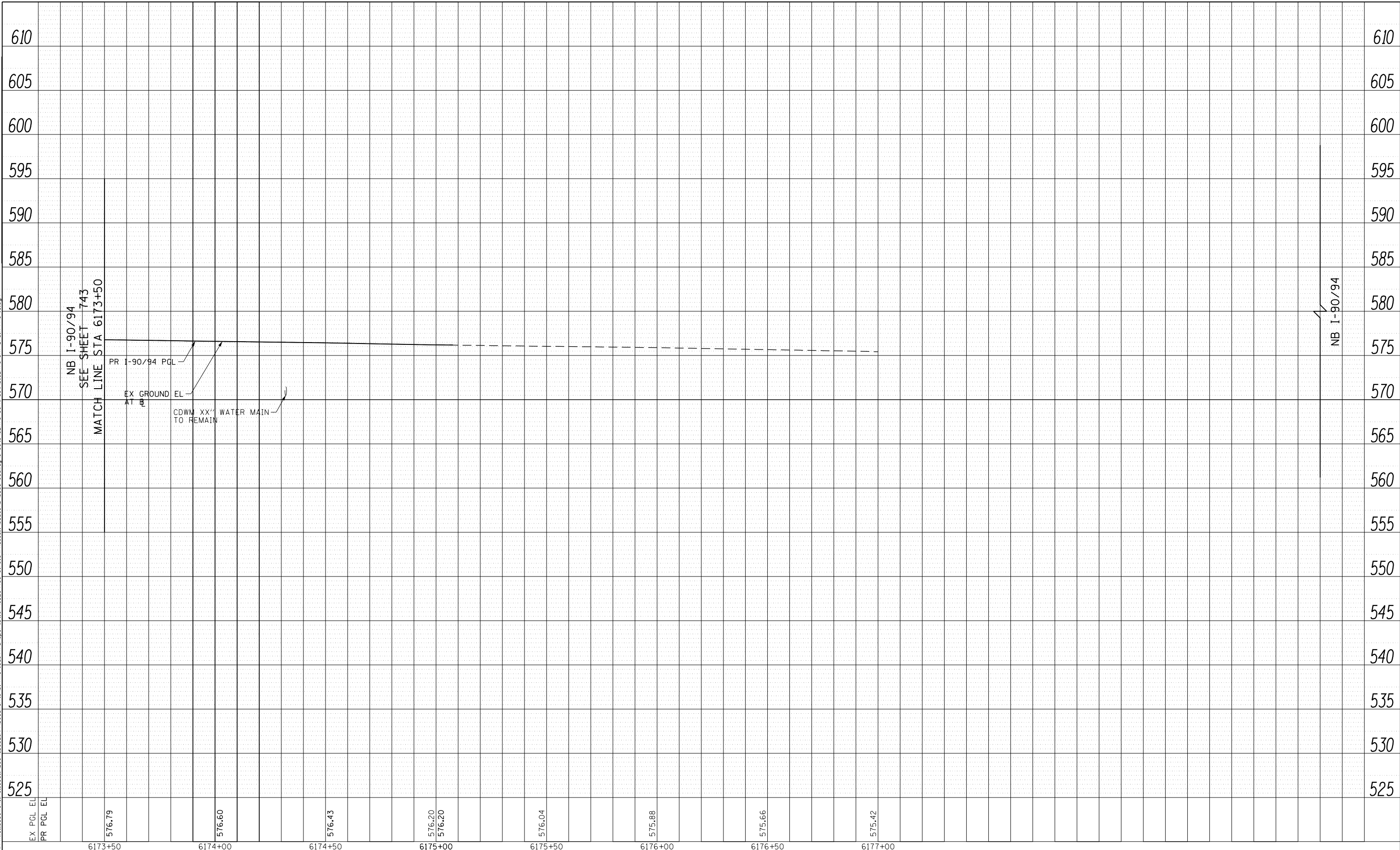
PROPOSED DRAINAGE AND UTILITIES PROFILE			
I-9094			
SCALE: 1"=20'	SHEET 14	OF 38 SHEETS	STA. 6168+00 TO STA. 6173+50

F.A.I. RTE. 90/94/290	SECTION 2015-019R	COUNTY COOK	TOTAL SHEETS 2155	SHEET NO. 743
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
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	CAD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	STRUCTURE		
	NOT AT THIS OFFICE		
	NO.		

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D162A76-SHT-Drain-PRO-15.dgn	DESIGNED - MKW	REVISED -
USER NAME = amkluver	DRAWN - NRH	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - JMC	REVISED -
PLOT DATE = 1/29/2020	DATE - 1/29/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

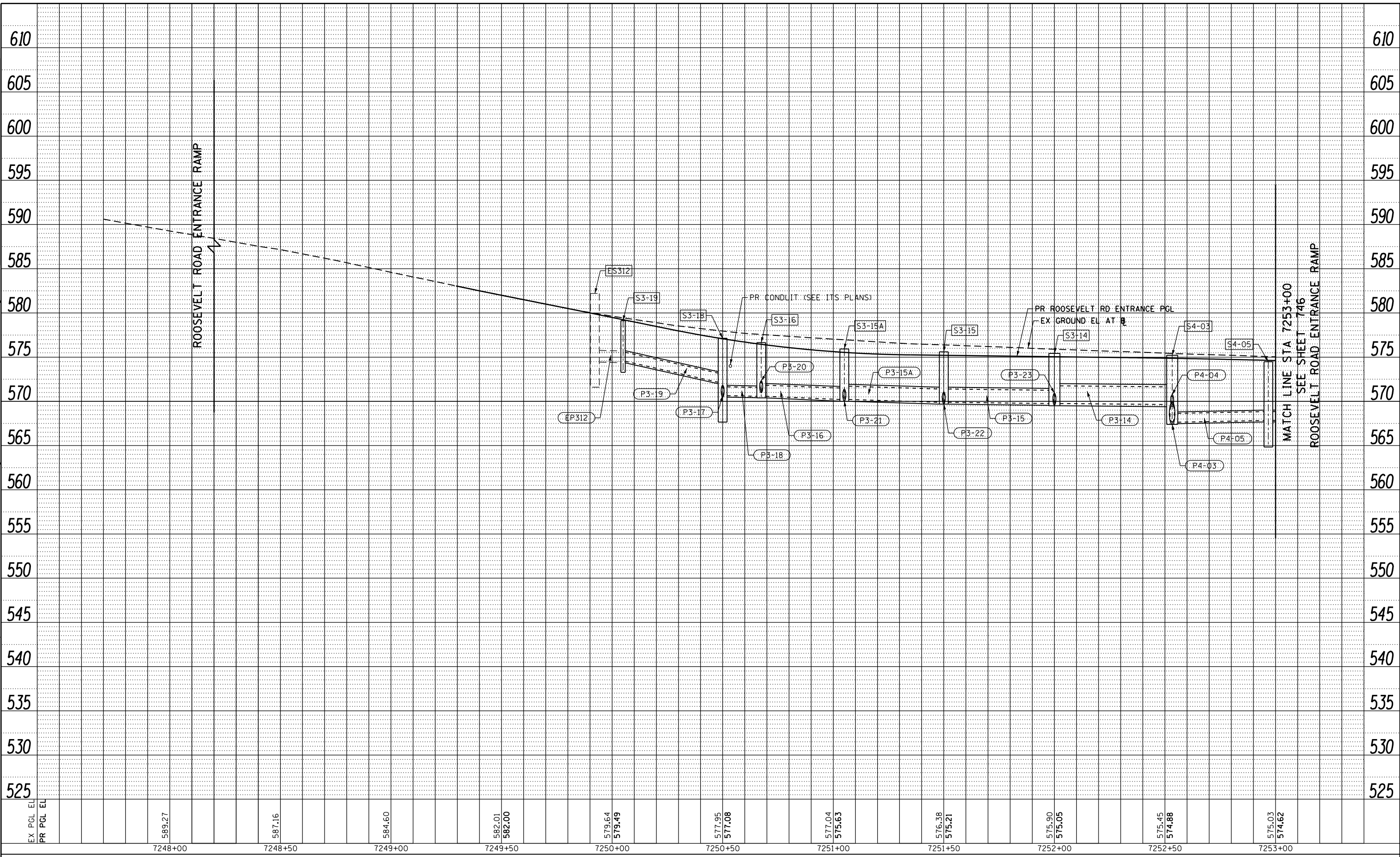
PROPOSED DRAINAGE AND UTILITIES PROFILE			
I-90/94			
SCALE: 1"=20'	SHEET 15	OF 38 SHEETS	STA. 6173+50 TO STA. 6175+07.63

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	744
				CONTRACT NO. 62A76
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
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	CHECKED		
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PROFILE	SURVEYED	BY	DATE
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	GRADES CHECKED		
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D162476-SHT-Drain-PRO-16.dgn
 USER NAME = dishevo
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 1/29/2020

DESIGNED - AFC
 DRAWN - ZND
 CHECKED - MJE
 DATE - 1/29/20

REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE AND UTILITIES PROFILE
 ROOSEVELT ROAD ENTRANCE RAMP

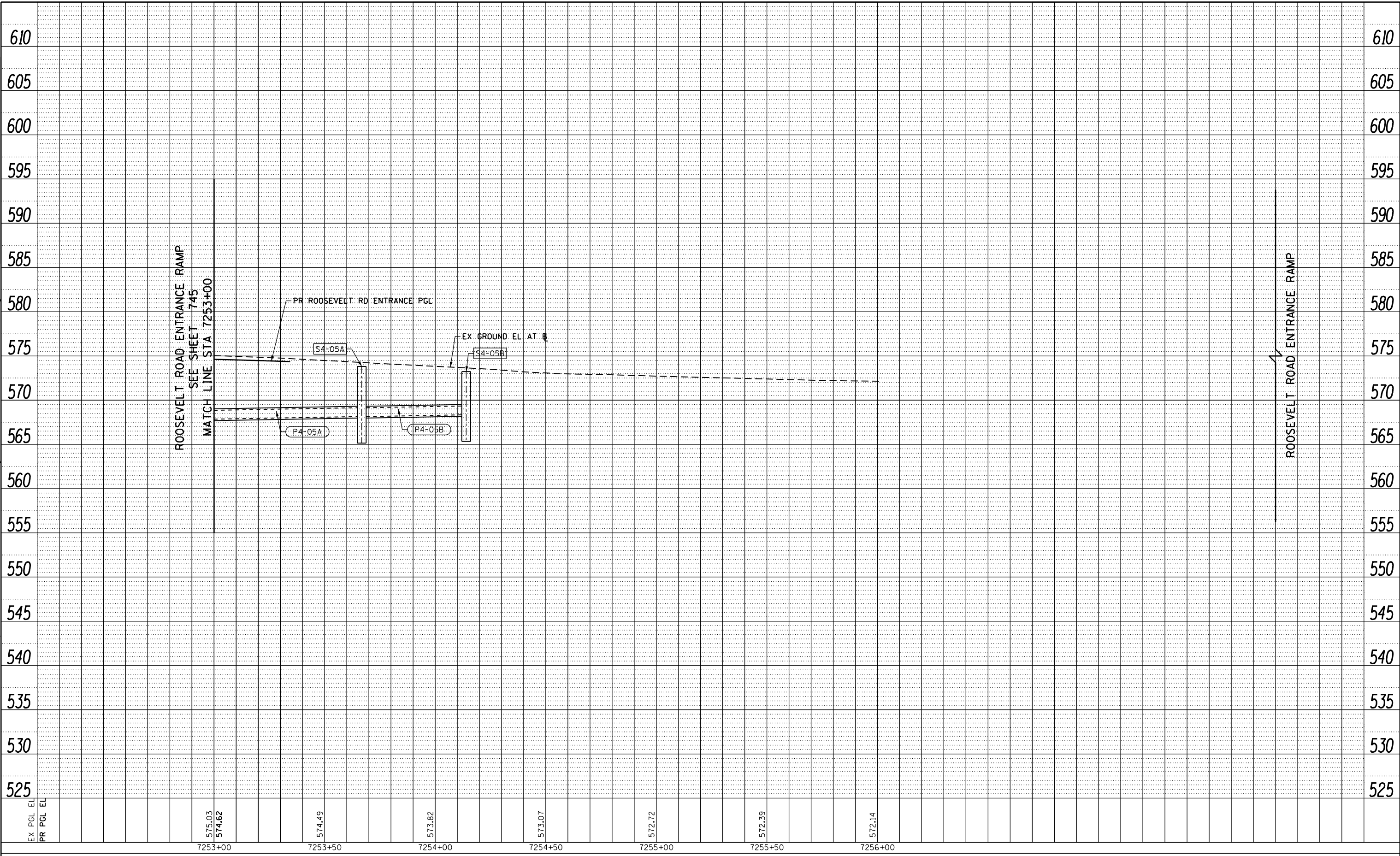
SCALE: 1"=20' SHEET 16 OF 38 SHEETS STA. 7247+55 TO STA. 7253+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	745
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
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	ALIGNMENT CHECKED		
	NOTE BOOK NO.		
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PROFILE	SURVEYED	BY	DATE
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	NOTE BOOK NO.		

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D162476-SHT-Drain-PRO-17.dgn
 USER NAME = dishevoz
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 1/29/2020

DESIGNED - AFC
 DRAWN - ZND
 CHECKED - MJE
 DATE - 1/29/20

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE AND UTILITIES PROFILE
 ROOSEVELT ROAD ENTRANCE RAMP

SCALE: 1"=20' SHEET 17 OF 38 SHEETS STA. 7253+00 TO STA. 7256+01.49

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	746
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

PLAN	SUBMITTED	BY	DATE
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	GRADES CHECKED		
	ALIGNMENT CHECKED		
	NOTE BOOK NO.		
	CARD FILE NAME		

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

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D162A76-SHT-Drain-PRO-18.dgn
 USER NAME = dishevoz
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 1/24/2020

DESIGNED - AFC
 DRAWN - ZND
 CHECKED - MJE
 DATE - 1/29/20

REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE AND UTILITIES PROFILE
 RAMP NW

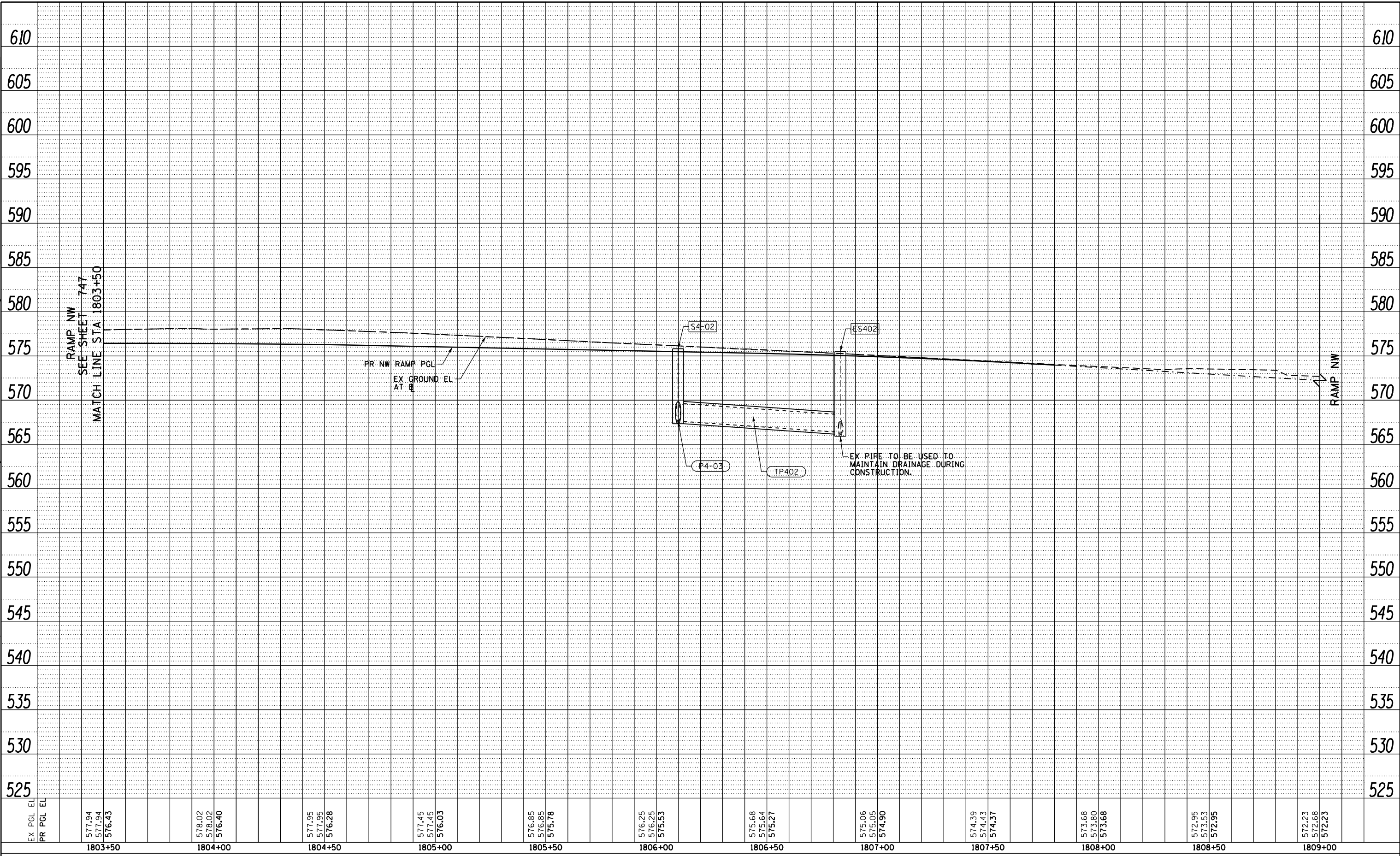
SCALE: 1"=20' SHEET 18 OF 38 SHEETS STA. 1799+15.31 TO STA. 1803+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	747
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
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PROFILE	SURVEYED	BY	DATE
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EX PCL EL	577.94	578.02	577.95	577.45	576.85	576.25	575.68	575.06	574.39	573.68	572.95	572.23
PR PCL EL	577.94	578.02	577.95	577.45	576.85	576.25	575.68	575.06	574.39	573.68	572.95	572.23
	576.43	576.40	576.28	576.03	575.78	575.53	575.27	574.90	574.37	573.68	572.95	572.23
	1803+50	1804+00	1804+50	1805+00	1805+50	1806+00	1806+50	1807+00	1807+50	1808+00	1808+50	1809+00



D162A76-SHT-Drain-PRO-19.dgn
 USER NAME = dishevoz
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 1/24/2020

DESIGNED - AFC
 DRAWN - ZND
 CHECKED - MJE
 DATE - 1/29/20

REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE AND UTILITIES PROFILE
 RAMP NW

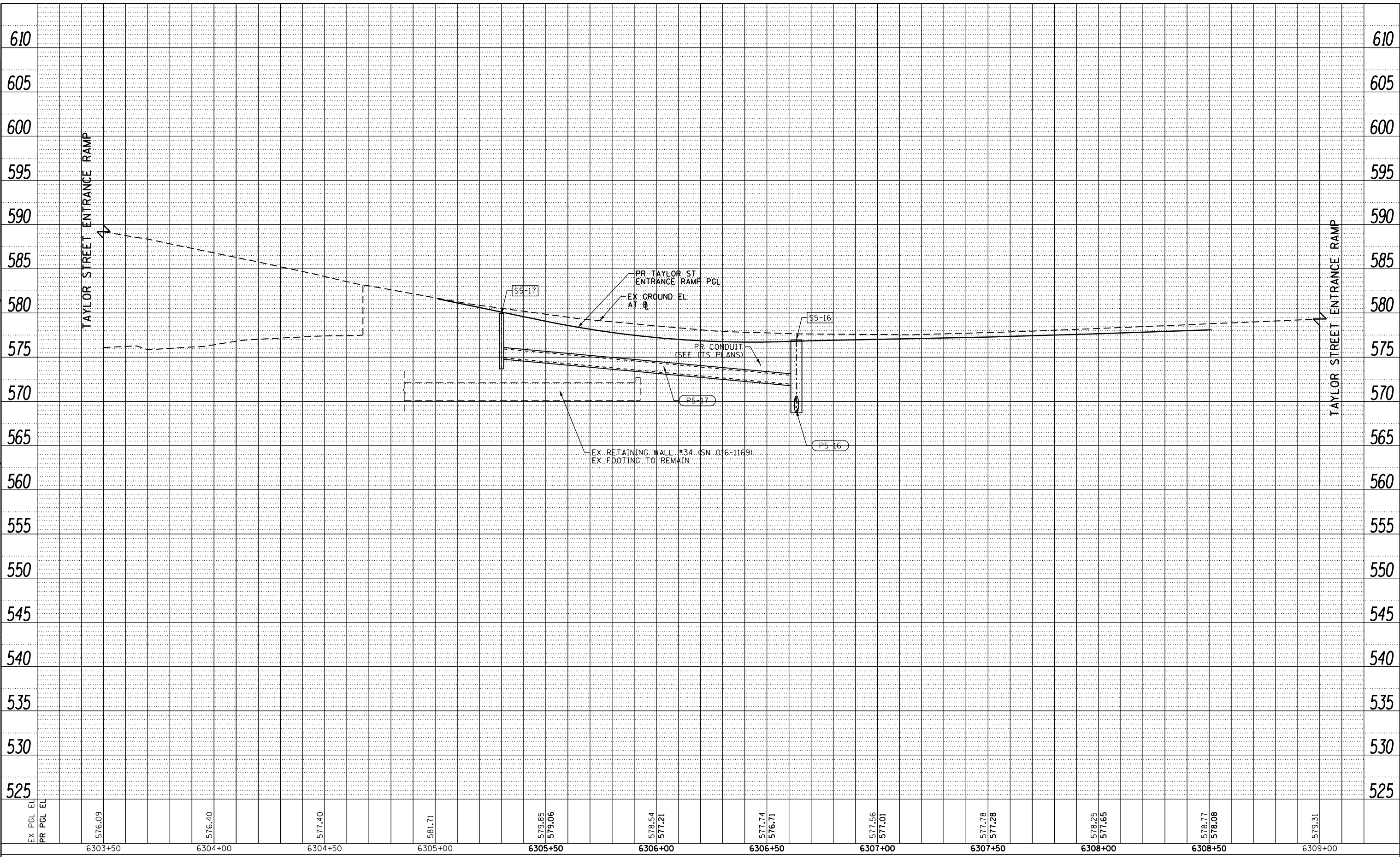
SCALE: 1"=20' SHEET 19 OF 38 SHEETS STA. 1803+50 TO STA. 1809+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	748
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
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PROFILE	SURVEYED	DATE
	PLOTTED	
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D162476-SHT-Drain-PRO-20.dgn
 USER NAME = dishevo
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 1/29/2020

DESIGNED - AFC
 DRAWN - ZND
 CHECKED - MJE
 DATE - 1/29/20

REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE AND UTILITIES PROFILE
 TAYLOR STREET ENTRANCE RAMP

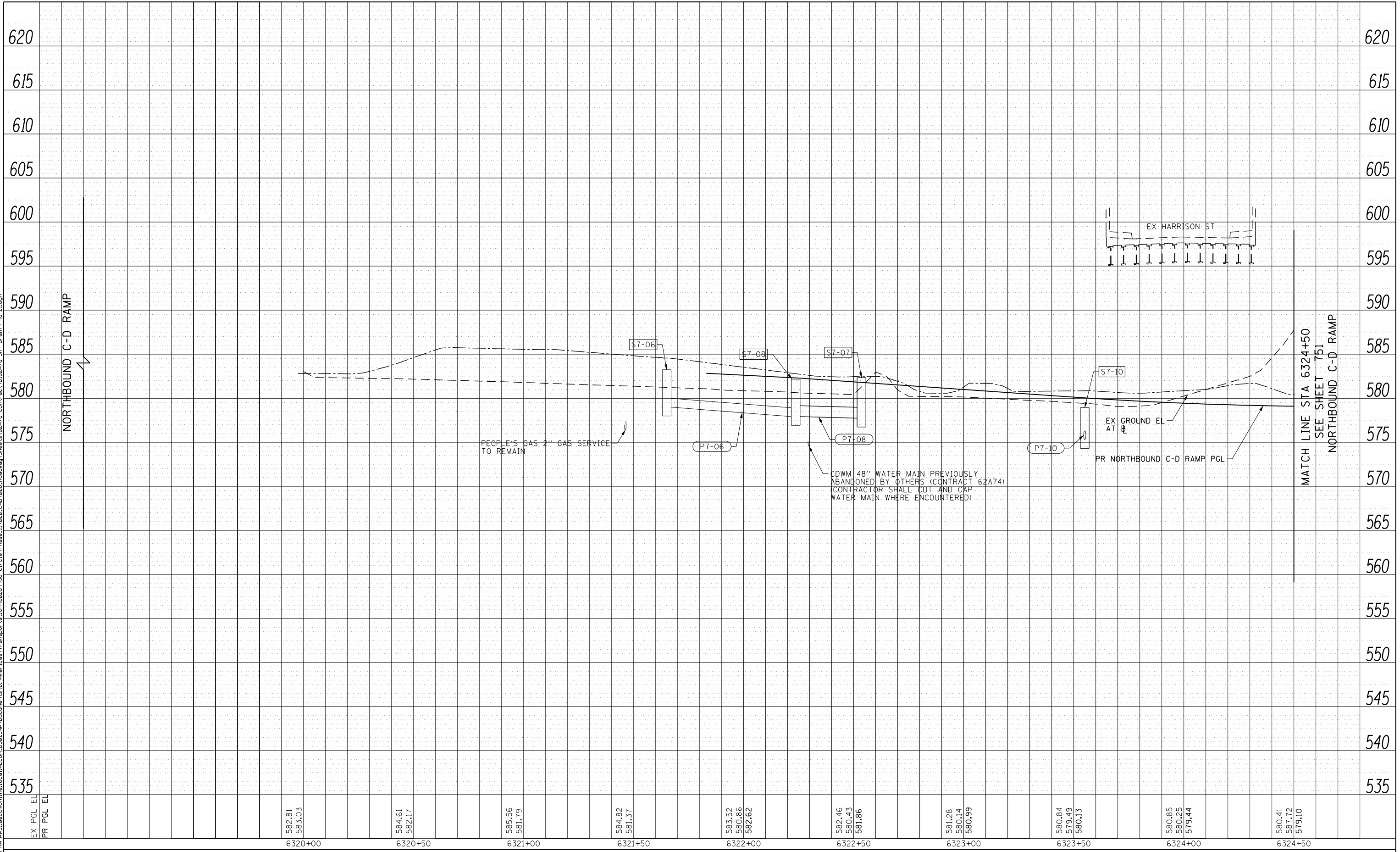
SCALE: 1"=20' SHEET 20 OF 38 SHEETS STA. 6303+50 TO STA. 6309+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	749
CONTRACT NO. 62A76			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
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	NOTE BOOK		
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	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
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D162A76-SHT-Drain-PRO-21.dgn	DESIGNED - MKW	REVISED -
USER NAME = amkluver	DRAWN - NRH	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - JMG	REVISED -
PLOT DATE = 1/29/2020	DATE - 1/29/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

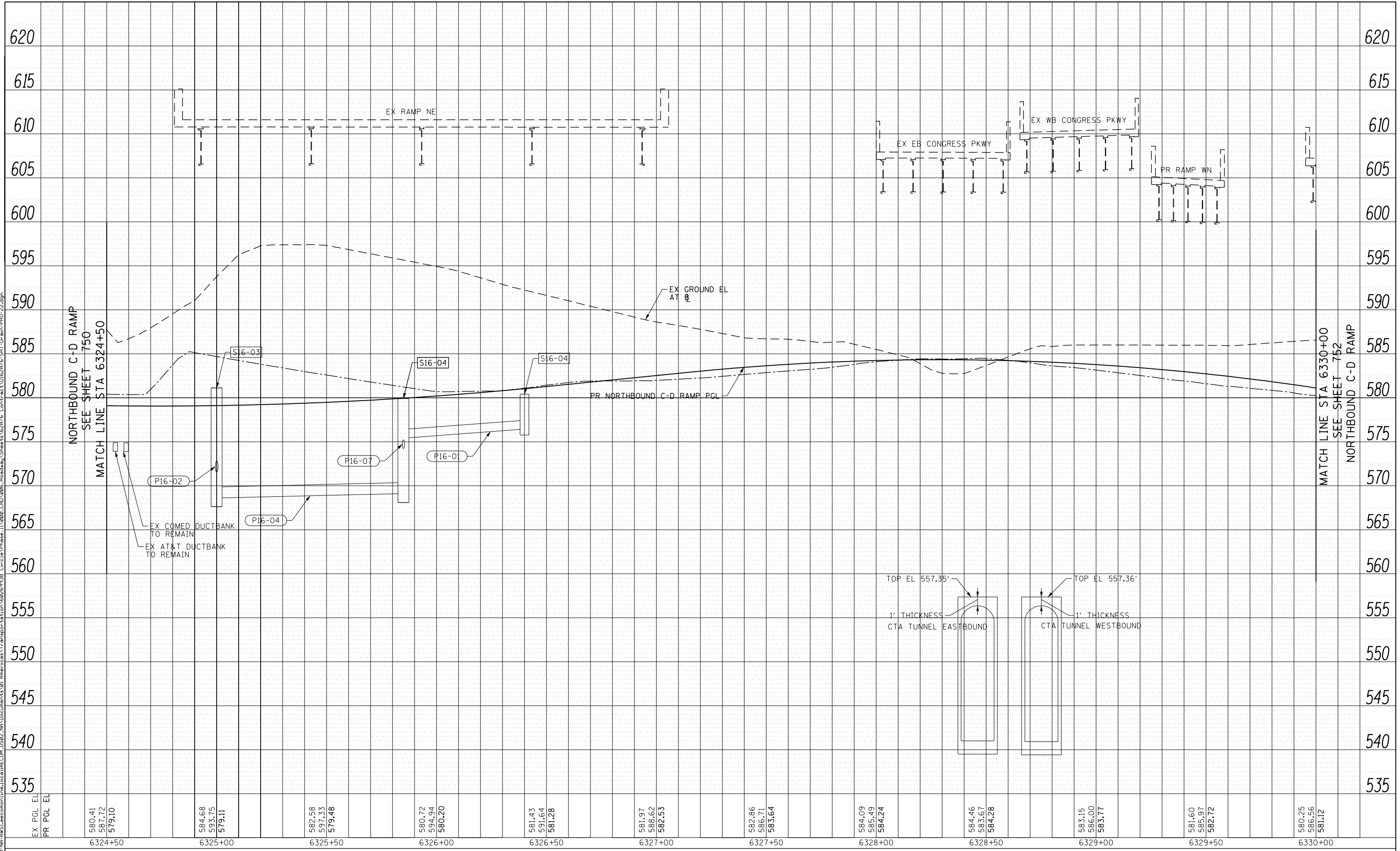
PROPOSED DRAINAGE AND UTILITIES PROFILE NORTHBOUND C-D RAMP			
SCALE: 1"=20'	SHEET 21	OF 38 SHEETS	STA. 6319+00 TO STA. 6324+50

F.A.I. RTE. 90/94/290	SECTION 2015-019R	COUNTY COOK	TOTAL SHEETS 2155	SHEET NO. 750
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
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PROFILE	SURVEYED	BY	DATE
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EX PGL EL	580.41	584.68	588.58	590.72	591.43	591.97	592.86	594.09	594.46	593.15	581.60	580.25
PR PGL EL	587.72	593.75	597.33	594.94	591.64	588.62	586.71	585.49	583.67	586.00	585.97	586.56
	579.10	579.11	579.48	580.20	581.28	582.53	583.64	584.24	584.28	583.77	582.72	581.12
	6324+50	6325+00	6325+50	6326+00	6326+50	6327+00	6327+50	6328+00	6328+50	6329+00	6329+50	6330+00



D162A76-SHT-Drain-PRO-22.dgn	DESIGNED - MKW	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

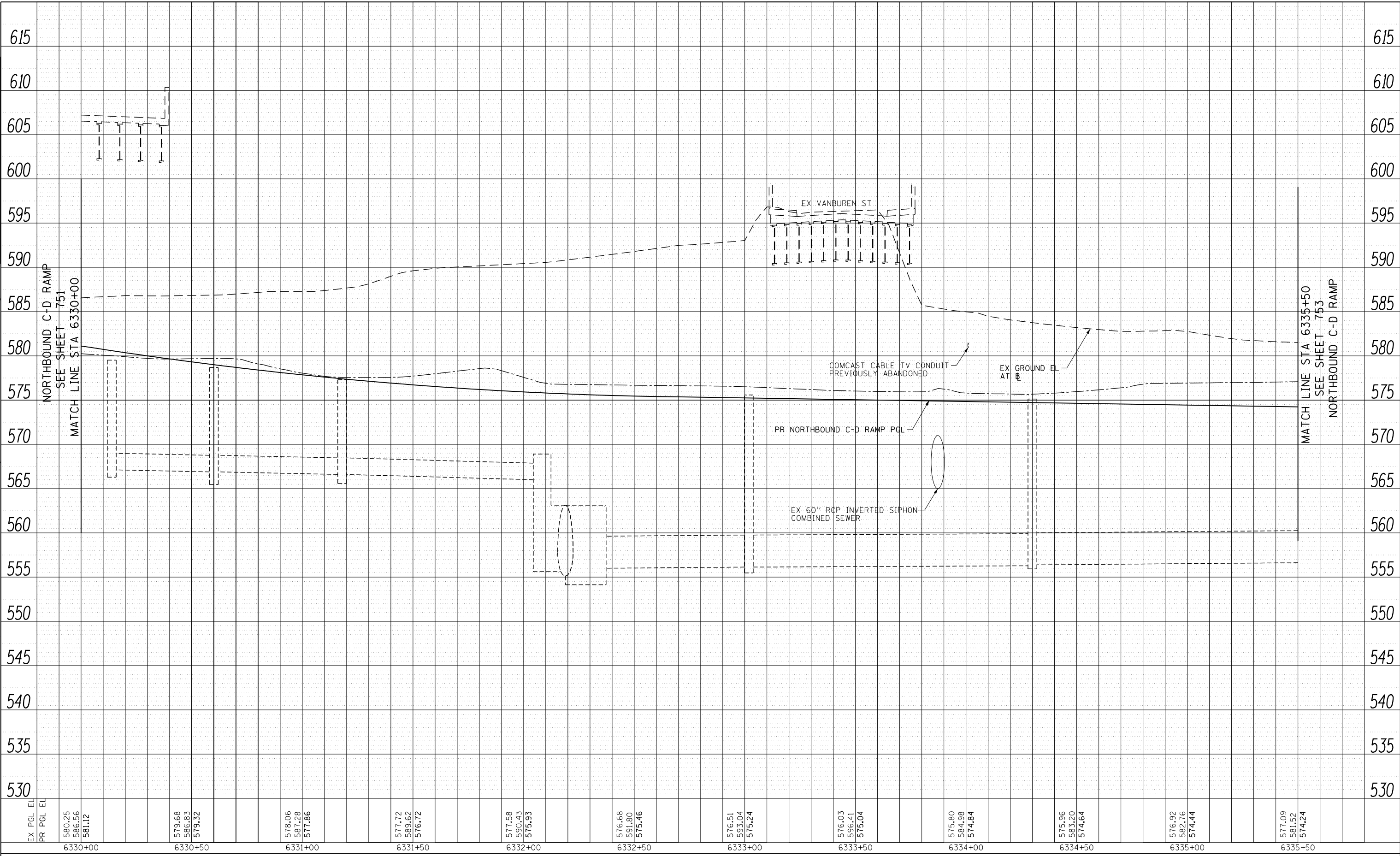
PROPOSED DRAINAGE AND UTILITIES PROFILE NORTHBOUND C-D RAMP			
SCALE: 1"=20'	SHEET 22	OF 38 SHEETS	STA. 6324+50 TO STA. 6330+00

F.A.I. RTE. 90/94/290	SECTION 2015-019R	COUNTY COOK	TOTAL SHEETS 2155	SHEET NO. 751
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

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PROFILE	SURVEYED	DATE
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D162A76-SHT-Drain-PRO-23.dgn
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 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 1/29/2020

DESIGNED - MKW
 DRAWN - NRH
 CHECKED - JMG
 DATE - 1/29/20

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE AND UTILITIES PROFILE
 NORTHBOUND C-D RAMP

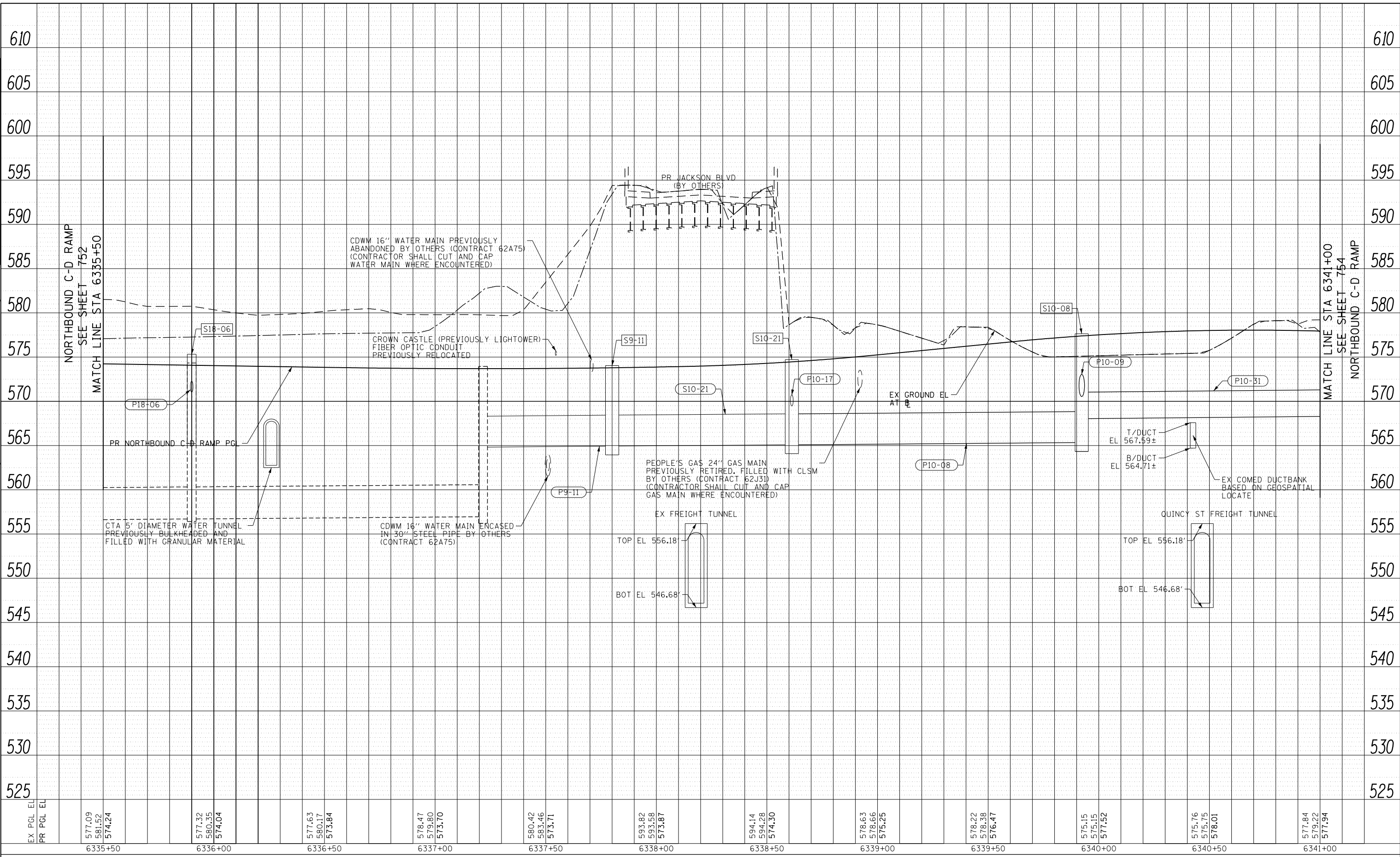
SCALE: 1"=20' SHEET 23 OF 38 SHEETS STA. 6330+00 TO STA. 6335+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	752
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
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PROFILE	SURVEYED	DATE
	GRADES CHECKED	
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EX PGL EL	577.09	577.32	577.63	578.47	580.42	593.82	594.14	578.63	578.22	575.15	575.76	577.84
PR PGL EL	581.52	580.35	580.17	579.80	583.46	593.58	594.28	578.66	578.38	575.15	575.75	579.22
	574.24	574.04	573.84	573.70	573.71	573.87	574.30	575.25	576.47	577.52	578.01	577.94
	6335+50	6336+00	6336+50	6337+00	6337+50	6338+00	6338+50	6339+00	6339+50	6340+00	6340+50	6341+00



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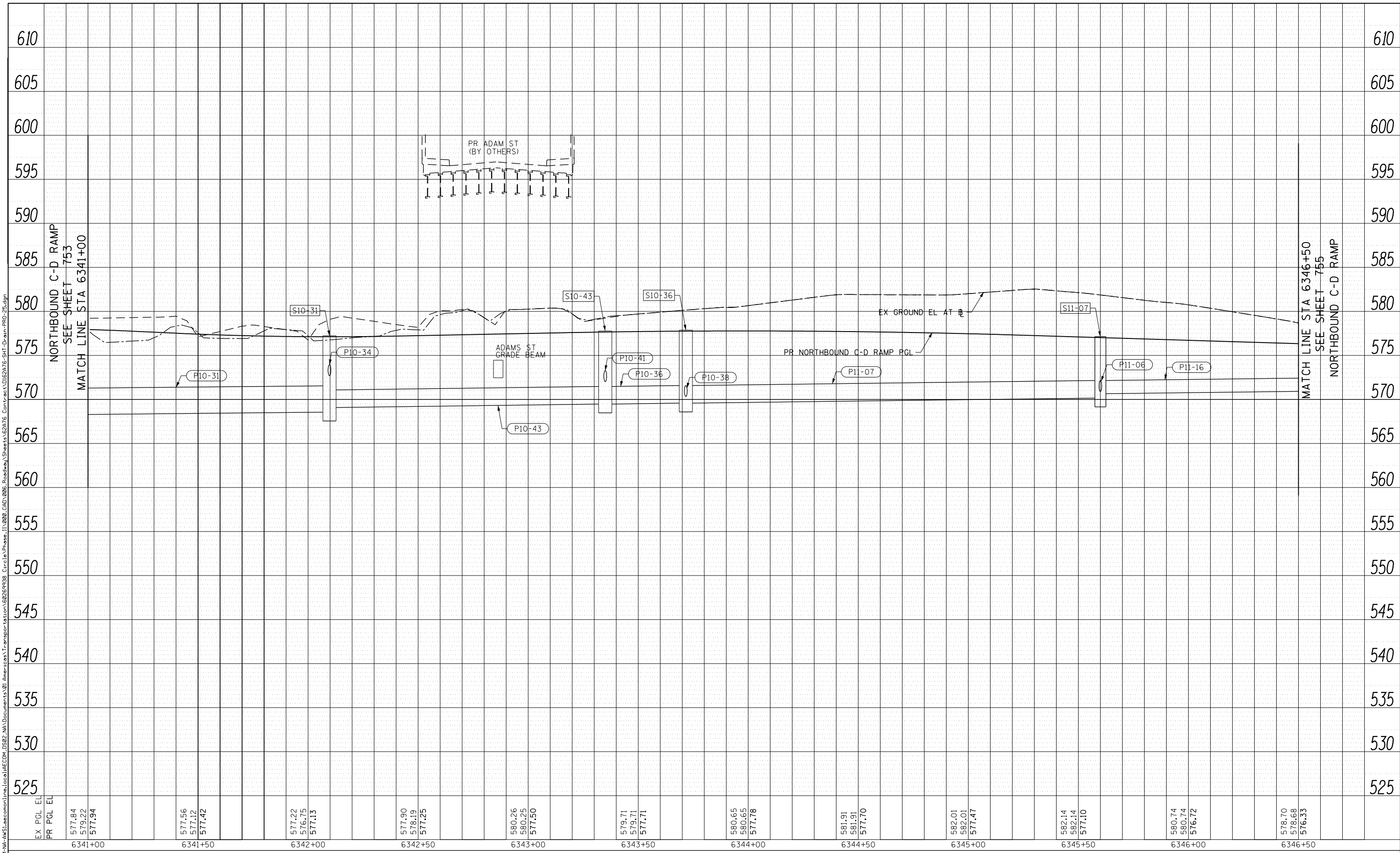
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED DRAINAGE AND UTILITIES PROFILE NORTHBOUND C-D RAMP			
SCALE: 1"=20'	SHEET 24	OF 38 SHEETS	STA. 6335+50 TO STA. 6341+00

F.A.I. RTE. 90/94/290	SECTION 2015-019R	COUNTY COOK	TOTAL SHEETS 2155	SHEET NO. 753
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
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	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
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	STRUCTURE NOT AT THIS CHKD		
	NOTE BOOK NO.		
	CADD FILE NAME		



D162A76-SHT-Drain-PRO-25.dgn	DESIGNED - MKW	REVISED -
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PLOT SCALE = 40.0000' / in.	CHECKED - JMG	REVISED -
PLOT DATE = 1/29/2020	DATE - 1/29/20	REVISED -

DESIGNED - MKW	REVISED -
DRAWN - NRH	REVISED -
CHECKED - JMG	REVISED -
DATE - 1/29/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED DRAINAGE AND UTILITIES PROFILE NORTHBOUND C-D RAMP			
SCALE: 1"=20'	SHEET 25	OF 38 SHEETS	STA. 6341+00 TO STA. 6346+50

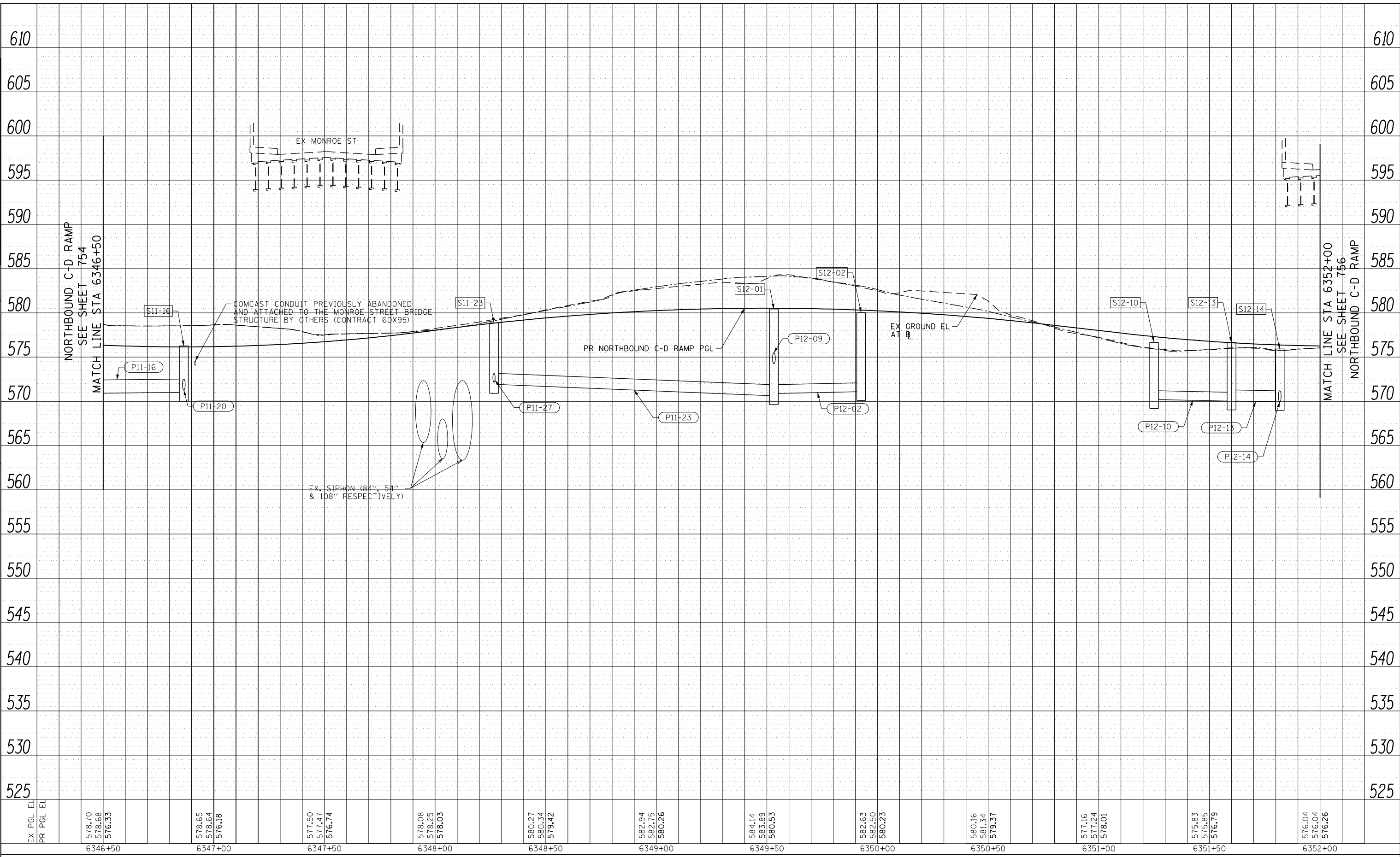
F.A.I. RTE. 90/94/290	SECTION 2015-019R	COUNTY COOK	TOTAL SHEETS 2155	SHEET NO. 754
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62A76	

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	ALIGNMENT	
	CADD FILE NAME	
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PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
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D162A76-SHT-Drain-PRO-26.dgn	DESIGNED - MKW	REVISED -
USER NAME = amkluver	DRAWN - NRH	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - JMG	REVISED -
PLOT DATE = 1/29/2020	DATE - 1/29/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

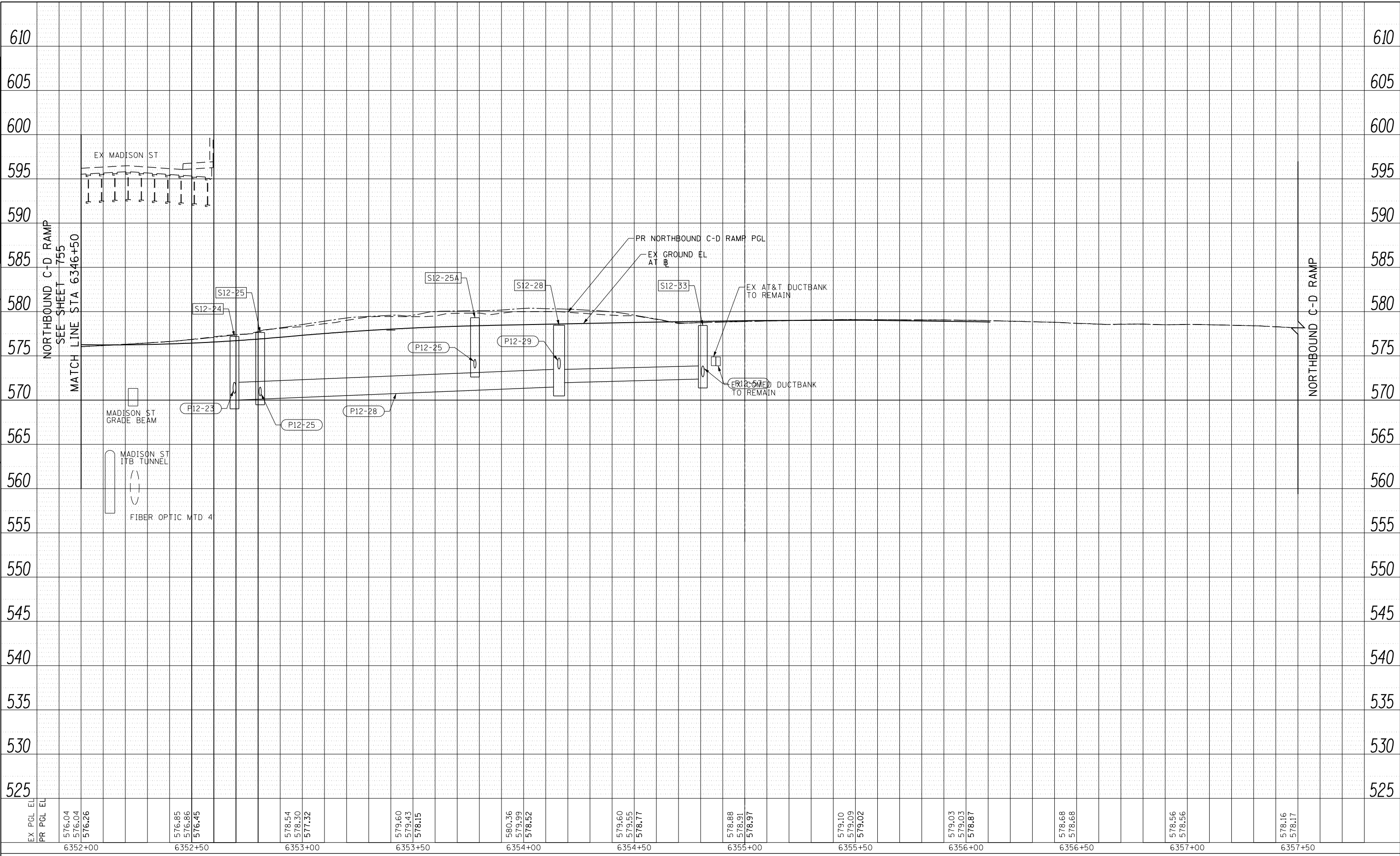
PROPOSED DRAINAGE AND UTILITIES PROFILE NORTHBOUND C-D RAMP			
SCALE: 1"=20'	SHEET 26	OF 38 SHEETS	STA. 6346+50 TO STA. 6352+00

F.A.I. RTE. 90/94/290	SECTION 2015-019R	COUNTY COOK	TOTAL SHEETS 2155	SHEET NO. 755
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
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	CHECKED		
	ALIGNMENT		
	CADD FILE NAME		
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PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
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D162A76-SHT-Drain-PRO-27.dgn	DESIGNED - MKW	REVISED -
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PLOT SCALE = 40.0000' / in.	CHECKED - JMG	REVISED -
PLOT DATE = 1/29/2020	DATE - 1/29/20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE AND UTILITIES PROFILE
NORTHBOUND C-D RAMP

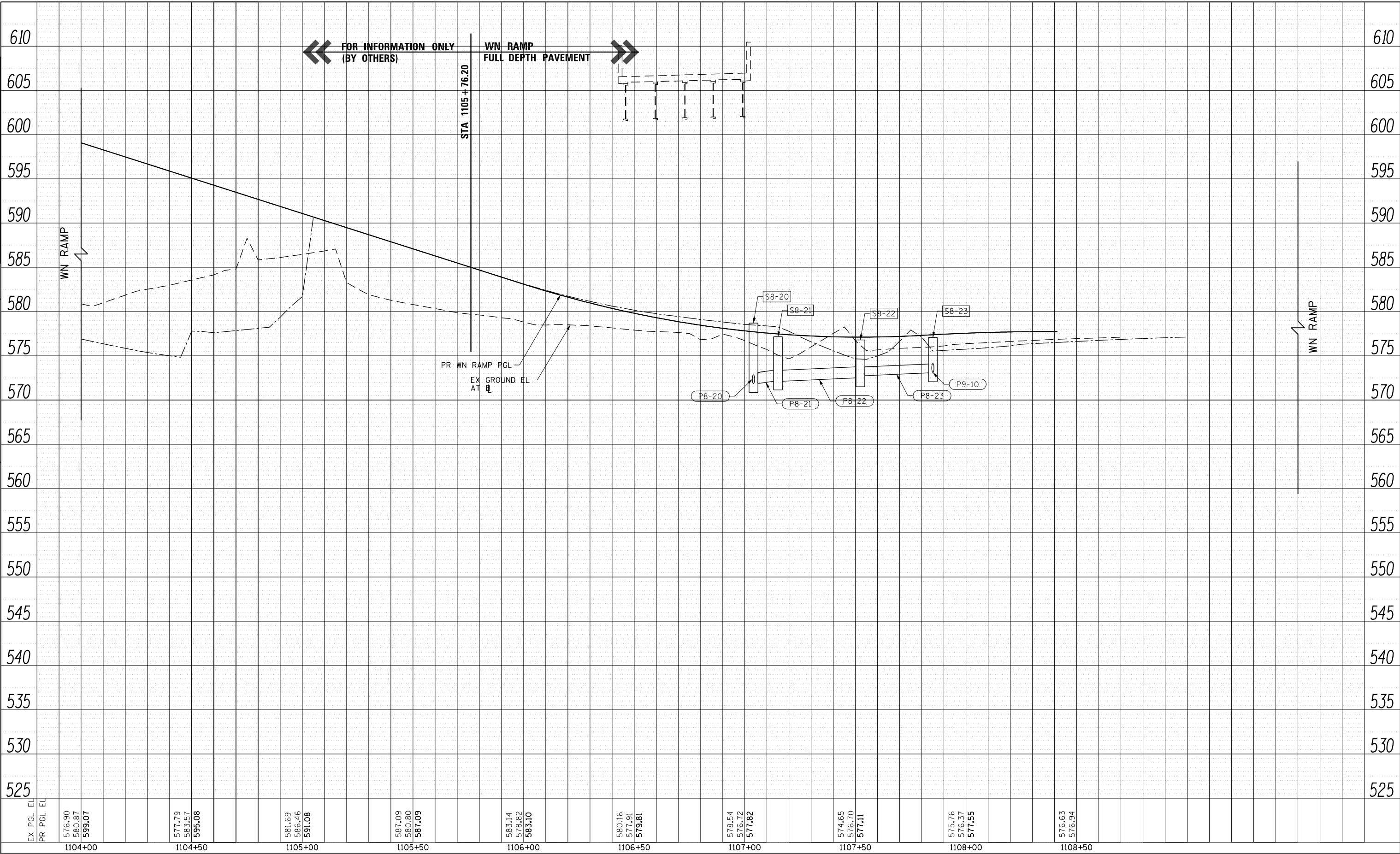
SCALE: 1"=20' SHEET 27 OF 38 SHEETS STA. 6352+00 TO STA. 6357+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	756
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
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	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
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D162A76-SHT-Drain-PRO-28.dgn	DESIGNED - MKW	REVISED -
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PLOT SCALE = 40.0000' / in.	CHECKED - JMG	REVISED -
PLOT DATE = 1/29/2020	DATE - 1/29/20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

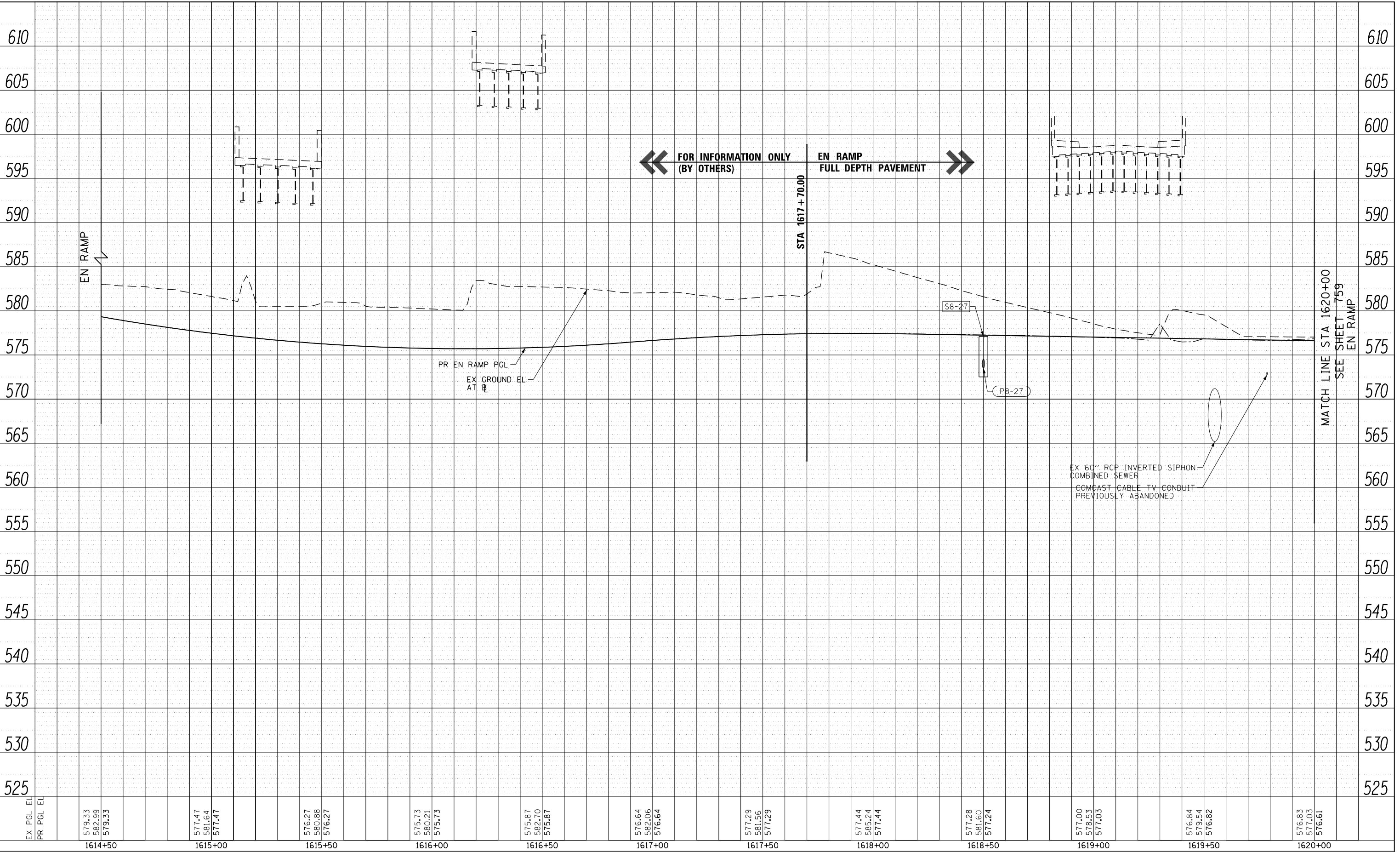
PROPOSED DRAINAGE AND UTILITIES PROFILE			
WN RAMP			
SCALE: 1"=20'	SHEET 28	OF 38 SHEETS	STA. 1104+00 TO STA. 1108+99.25

F.A.I. RTE. 90/94/290	SECTION 2015-019R	COUNTY COOK	TOTAL SHEETS 2155	SHEET NO. 757
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	NOTED		
	CHECKED		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	GRADES		
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EX PGL EL	579.33	577.47	576.27	575.73	575.87	576.64	577.29	577.44	577.28	577.00	576.84	576.83
PR PGL EL	582.99	581.64	580.88	580.21	582.70	582.06	581.56	585.24	581.60	578.53	579.54	577.03
	579.33	577.47	576.27	575.73	575.87	576.64	577.29	577.44	577.24	577.03	576.82	576.61
	1614+50	1615+00	1615+50	1616+00	1616+50	1617+00	1617+50	1618+00	1618+50	1619+00	1619+50	1620+00



D162A76-SHT-Drain-PRO-29.dgn	DESIGNED - MKW	REVISED -
USER NAME = amkluver	DRAWN - NRH	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - JMG	REVISED -
PLOT DATE = 1/29/2020	DATE - 1/29/20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

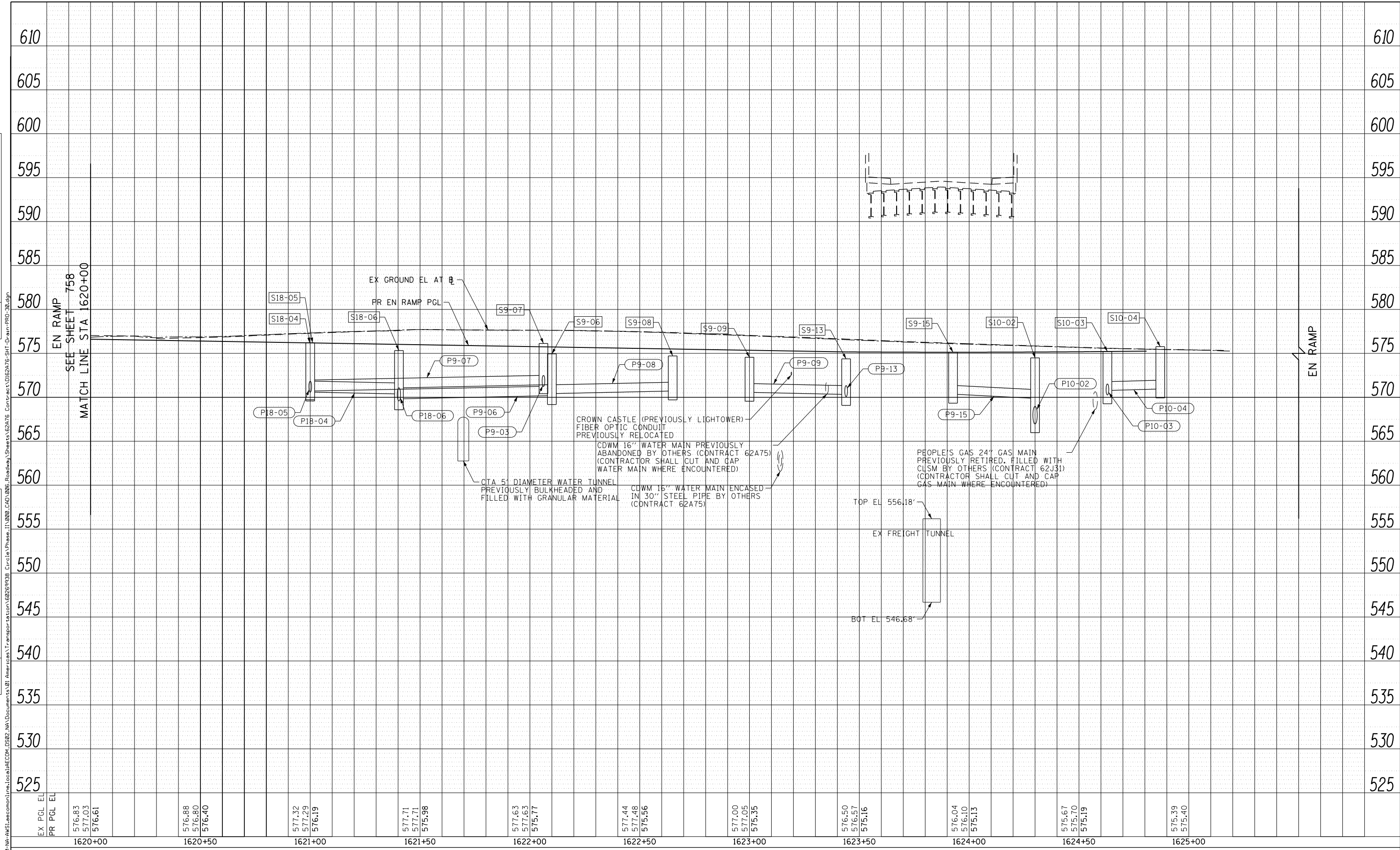
PROPOSED DRAINAGE AND UTILITIES PROFILE
EN RAMP

SCALE: 1"=20' SHEET 29 OF 38 SHEETS STA. 1614+50 TO STA. 1620+00

F.A.I. RTE. 90/94/290	SECTION 2015-019R	COUNTY COOK	TOTAL SHEETS 2155	SHEET NO. 758
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	ALIGNED	
	CADD FILE NAME	
NO.		

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	STRUCTURE	
	NOT AT THIS OFFICE	
NO.		



EX PGL EL	576.83	576.88	577.32	577.71	577.63	577.44	577.00	576.50	576.04	575.67	575.39
PR PGL EL	577.03	576.80	577.29	577.71	577.63	577.48	577.05	576.57	576.10	575.70	575.40
	576.61	576.40	576.19	575.98	575.77	575.56	575.35	575.16	575.13	575.19	575.40



D162A76-SHT-Drain-PRO-30.dgn	DESIGNED - MKW	REVISED -
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PLOT SCALE = 40.0000' / in.	CHECKED - JMG	REVISED -
PLOT DATE = 1/29/2020	DATE - 1/29/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED DRAINAGE AND UTILITIES PROFILE
EN RAMP**

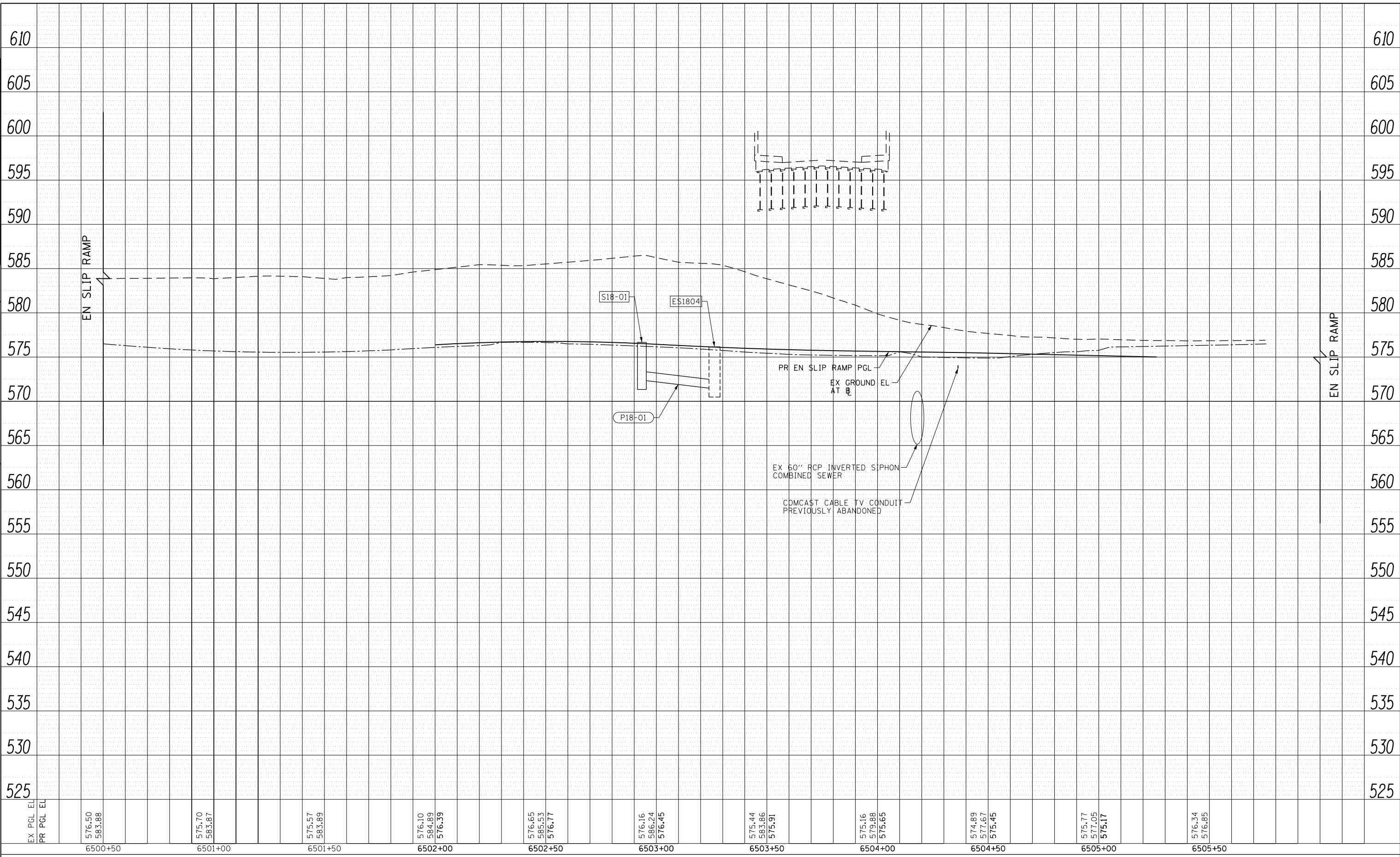
SCALE: 1"=20' SHEET 30 OF 38 SHEETS STA. 1620+00 TO STA. 1625+23.70

F.A.I. RTE. 90/94/290	SECTION 2015-019R	COUNTY COOK	TOTAL SHEETS 2155	SHEET NO. 759
CONTRACT NO. 62A76			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	ALIGNMENT	
	CADD FILE NAME	
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PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
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D162A76-SHT-Drain-PRO-31.dgn	DESIGNED - MKW	REVISED -
USER NAME = amkluver	DRAWN - NRH	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - JMG	REVISED -
PLOT DATE = 1/29/2020	DATE - 1/29/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

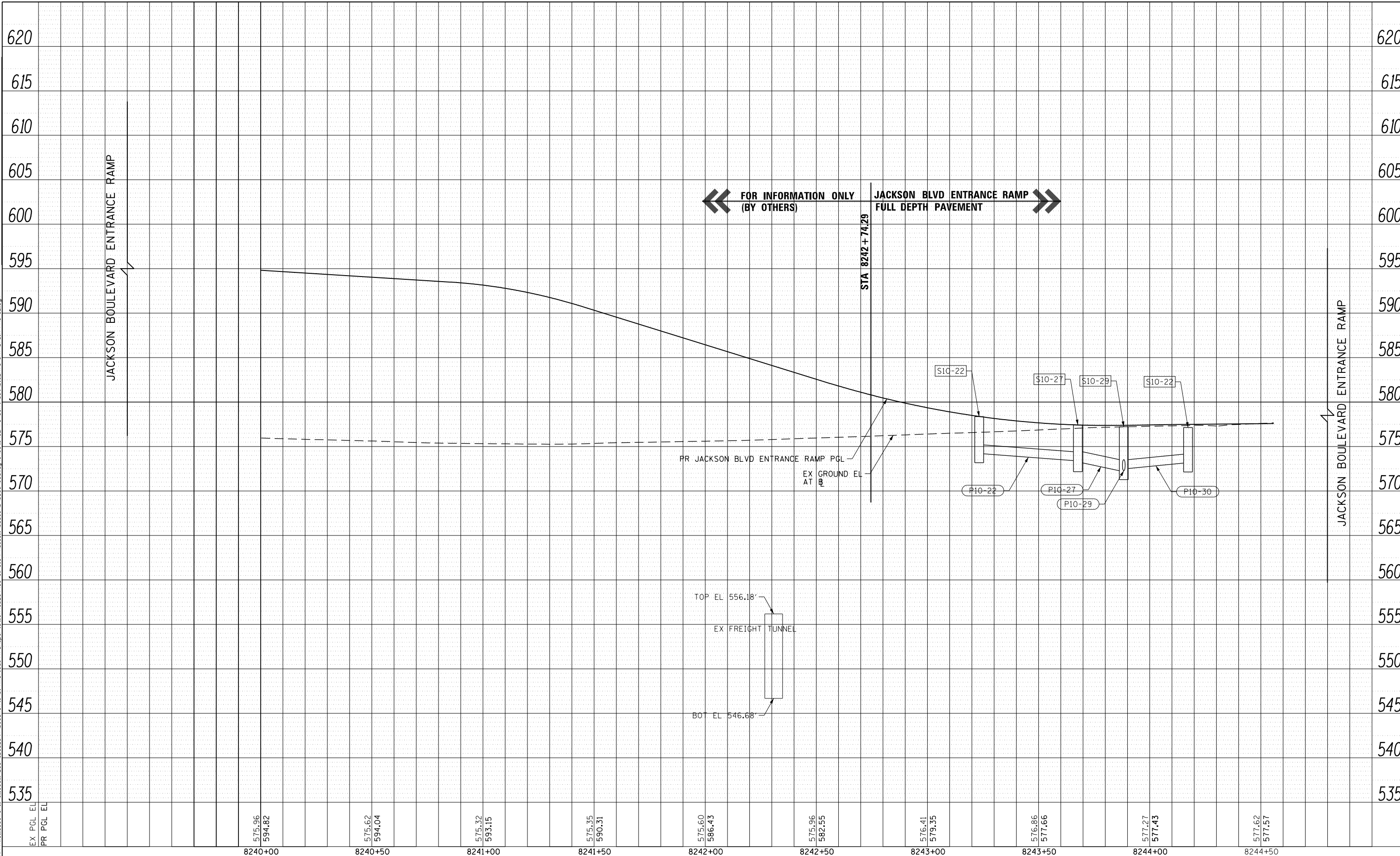
PROPOSED DRAINAGE AND UTILITIES PROFILE			
EN SLIP RAMP			
SCALE: 1"=20'	SHEET 31	OF 38 SHEETS	STA. 6500+50 TO STA. 6505+76.31

F.A.I. RTE. 90/94/290	SECTION 2015-019R	COUNTY COOK	TOTAL SHEETS 2155	SHEET NO. 760
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	ALIGNMENT	
	CADD FILE NAME	
NO.		

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
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D162A76-SHT-Drain-PRO-32.dgn
 USER NAME = amkluver
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 1/29/2020

DESIGNED - MKW
 DRAWN - NRH
 CHECKED - JMG
 DATE - 1/29/20

REVISED -
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 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE AND UTILITIES PROFILE
 JACKSON BOULEVARD ENTRANCE RAMP

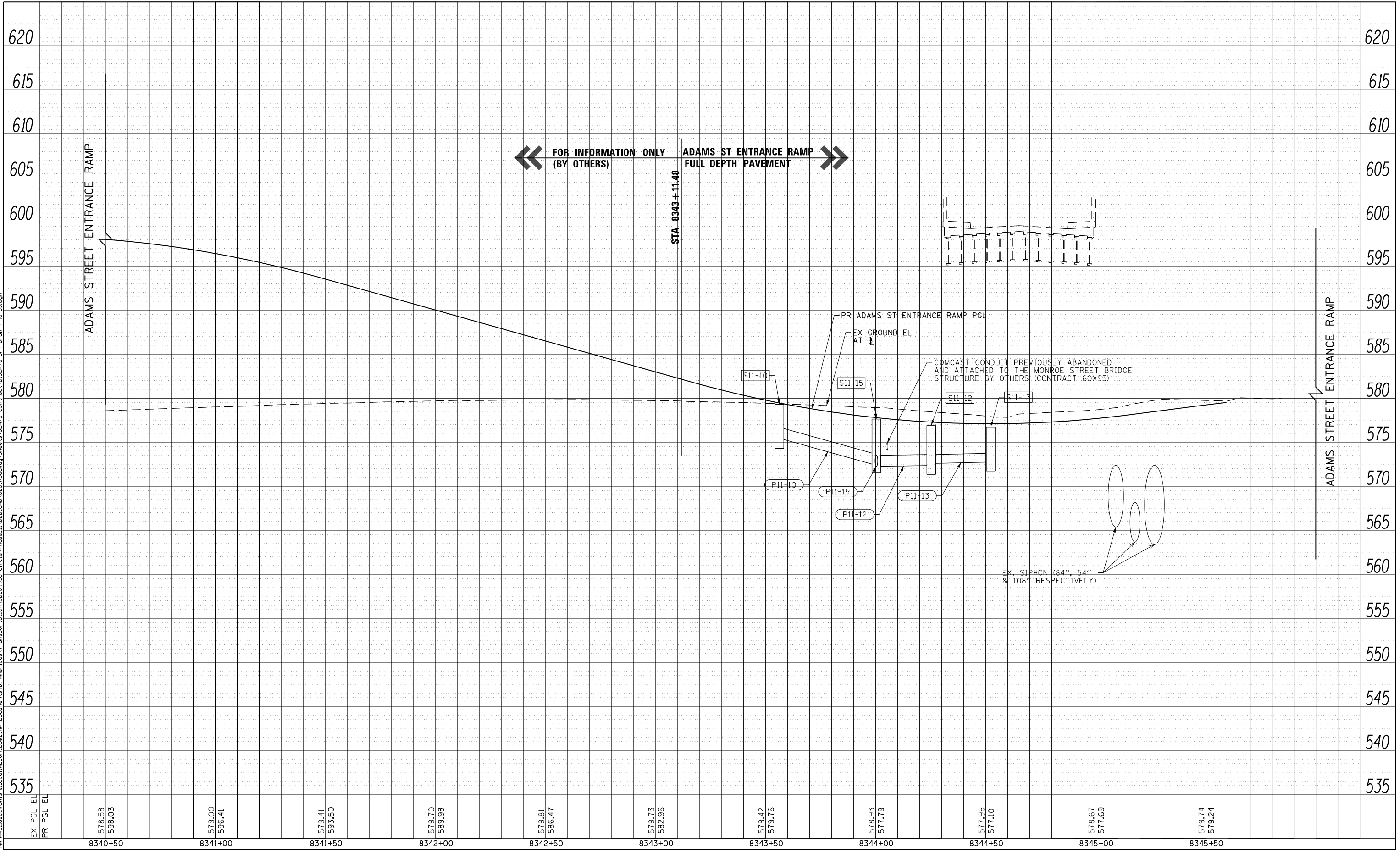
SCALE: 1"=20' SHEET 32 OF 38 SHEETS STA. 8240+00 TO STA. 8244+30.70

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	761
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	
	FILE NAME	

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EX PGL EL	578.58	579.00	579.41	579.70	579.81	579.73	579.42	578.93	577.96	578.67	579.74
PR PGL EL	598.03	596.41	593.50	589.98	586.47	582.96	579.76	577.79	577.10	577.69	579.24
	8340+50	8341+00	8341+50	8342+00	8342+50	8343+00	8343+50	8344+00	8344+50	8345+00	8345+50



D162A76-SHT-Drain-PRO-33.dgn	DESIGNED - MKW	REVISED -
USER NAME = amkluver	DRAWN - NRH	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - JMG	REVISED -
PLOT DATE = 1/29/2020	DATE - 1/29/20	REVISED -

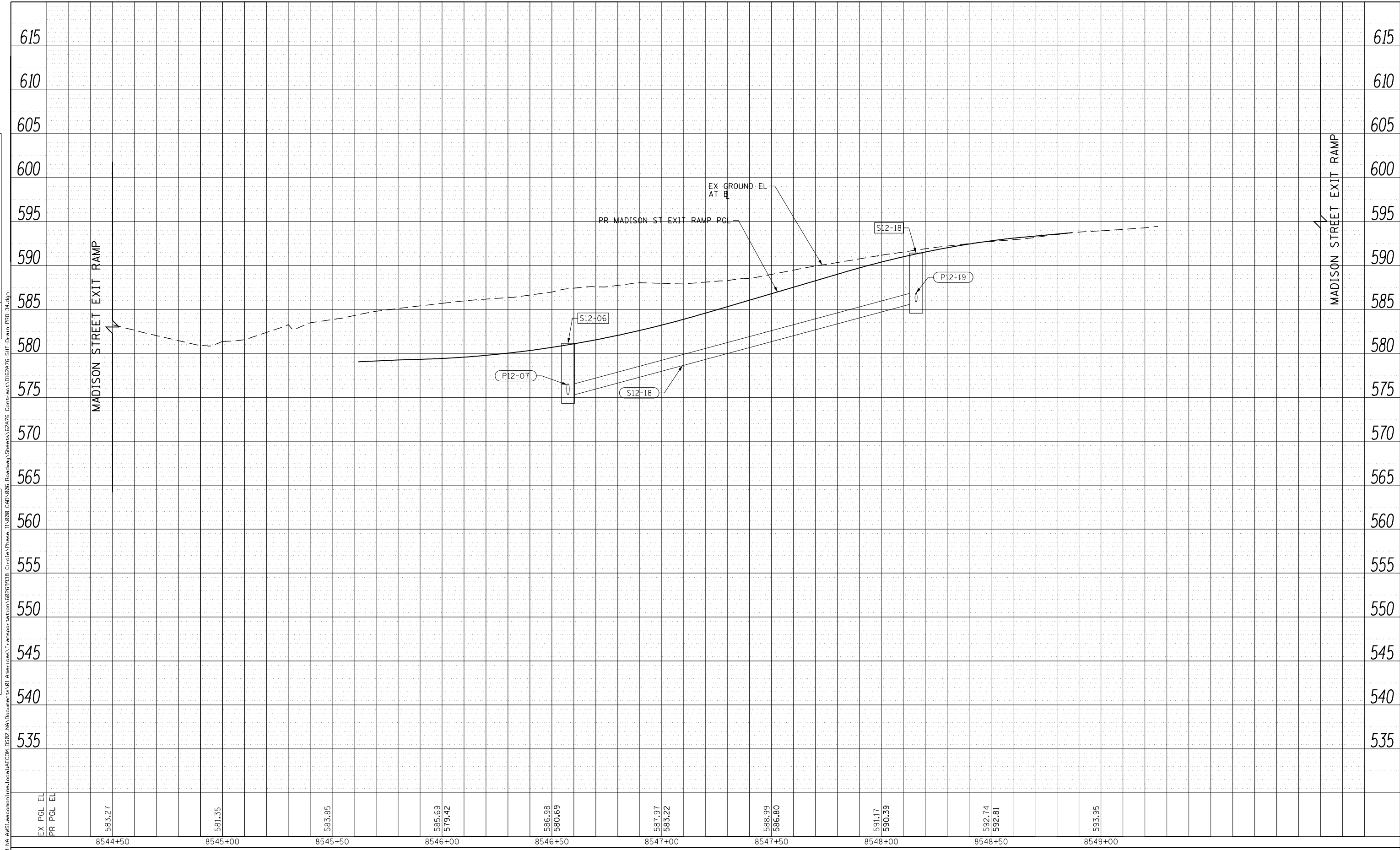
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED DRAINAGE AND UTILITIES PROFILE ADAMS STREET ENTRANCE RAMP		
SCALE: 1"=20'	SHEET 33 OF 38 SHEETS	STA. 8340+50 TO STA. 8345+84.13

F.A.I. RTE. 90/94/290	SECTION 2015-019R	COUNTY COOK	TOTAL SHEETS 2155	SHEET NO. 762
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOT AT THIS CHKD		
	NOTE BOOK NO.		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOT AT THIS CHKD		
	NOTE BOOK NO.		
	CADD FILE NAME		



EX PGL EL	583.27	581.35	583.85	585.69	580.69	587.97	588.99	591.17	592.74	593.95
PR PGL EL	583.27	581.35	583.85	585.69	580.69	587.97	588.99	591.17	592.74	593.95
	8544+50	8545+00	8545+50	8546+00	8546+50	8547+00	8547+50	8548+00	8548+50	8549+00



D162A76-SHT-Drain-PRO-34.dgn	DESIGNED - MKW	REVISED -
USER NAME = amkluver	DRAWN - NRH	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - JMG	REVISED -
PLOT DATE = 1/29/2020	DATE - 1/29/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

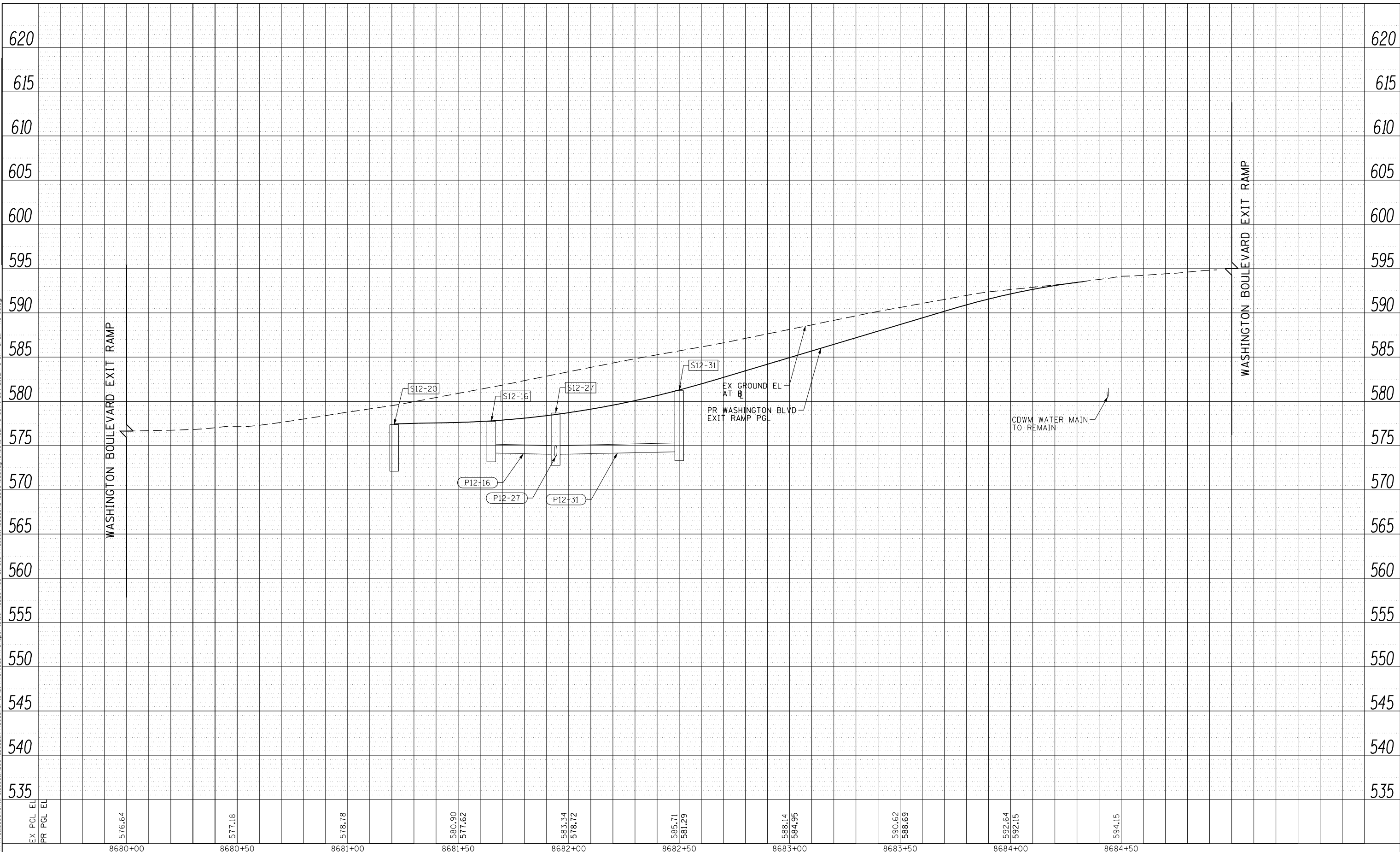
PROPOSED DRAINAGE AND UTILITIES PROFILE MADISON STREET EXIT RAMP			
SCALE: 1"=20'	SHEET 34	OF 38 SHEETS	STA. 8545+50 TO STA. 8549+20.21

F.A.I. RTE. 90/94/290	SECTION 2015-019R	COUNTY COOK	TOTAL SHEETS 2155	SHEET NO. 763
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62A76	

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PLAN		SURVEYED		DATE	
NOTE BOOK NO.	NO.	PLOTTED	BY		
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		ALIGNMENT			
		GRID			
		CAD FILE NAME			

PROFILE		SURVEYED		DATE	
NOTE BOOK NO.	NO.	GRADES CHECKED	BY		
		STRUCTURE			
		NOT AT THIS OFFICE			



D162A76-SHT-Drain-PRO-35.dgn	DESIGNED - MKW	REVISED -
USER NAME = amkluver	DRAWN - NRH	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - JMC	REVISED -
PLOT DATE = 1/29/2020	DATE - 1/29/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED DRAINAGE AND UTILITIES PROFILE
WASHINGTON BOULEVARD EXIT RAMP**

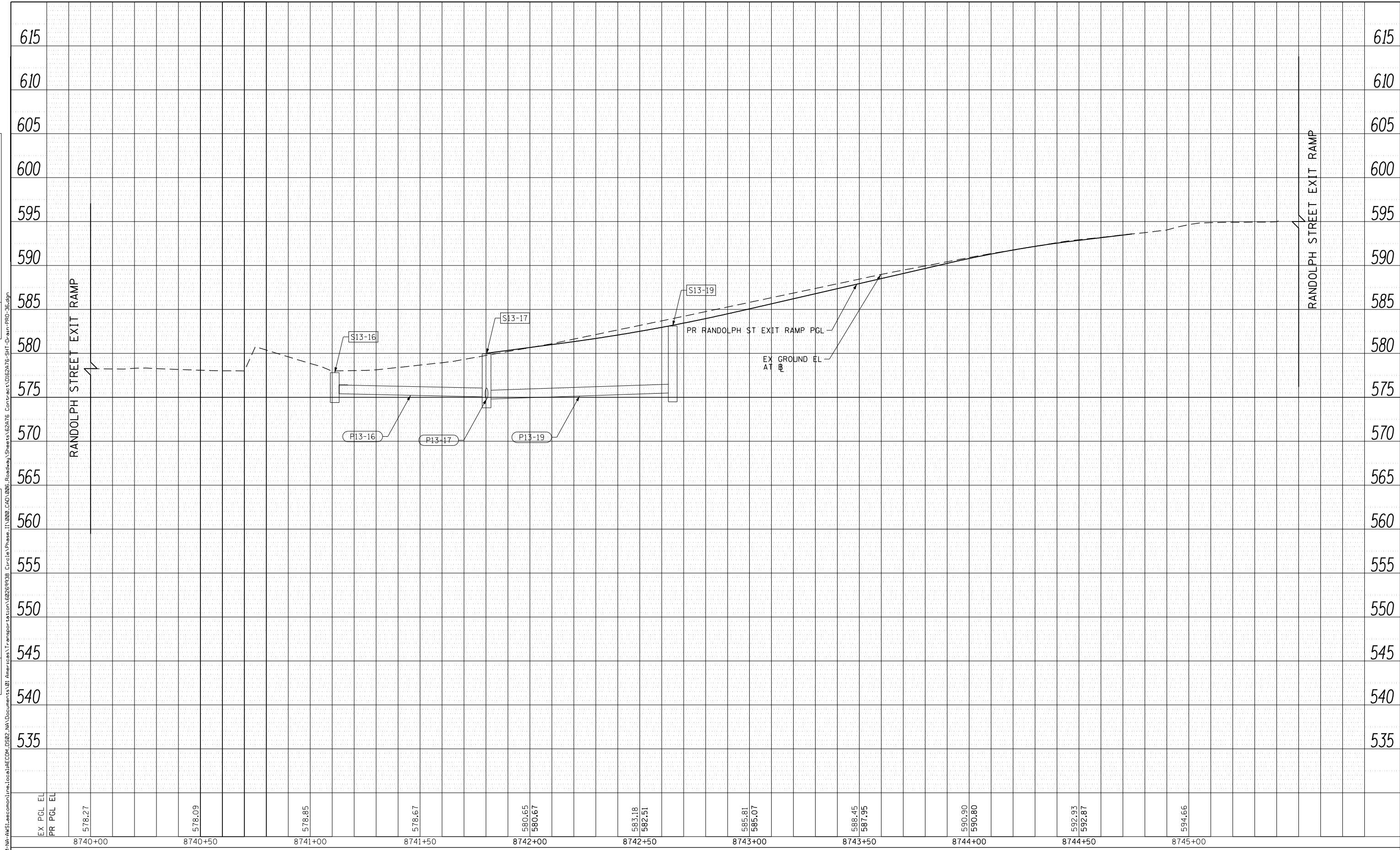
SCALE: 1"=20' SHEET 35 OF 38 SHEETS STA. 8681+21.03 TO STA. 8684+33.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	764
CONTRACT NO. 62A76				

ILLINOIS FED. AID PROJECT

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
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	NO. _____	
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PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE	
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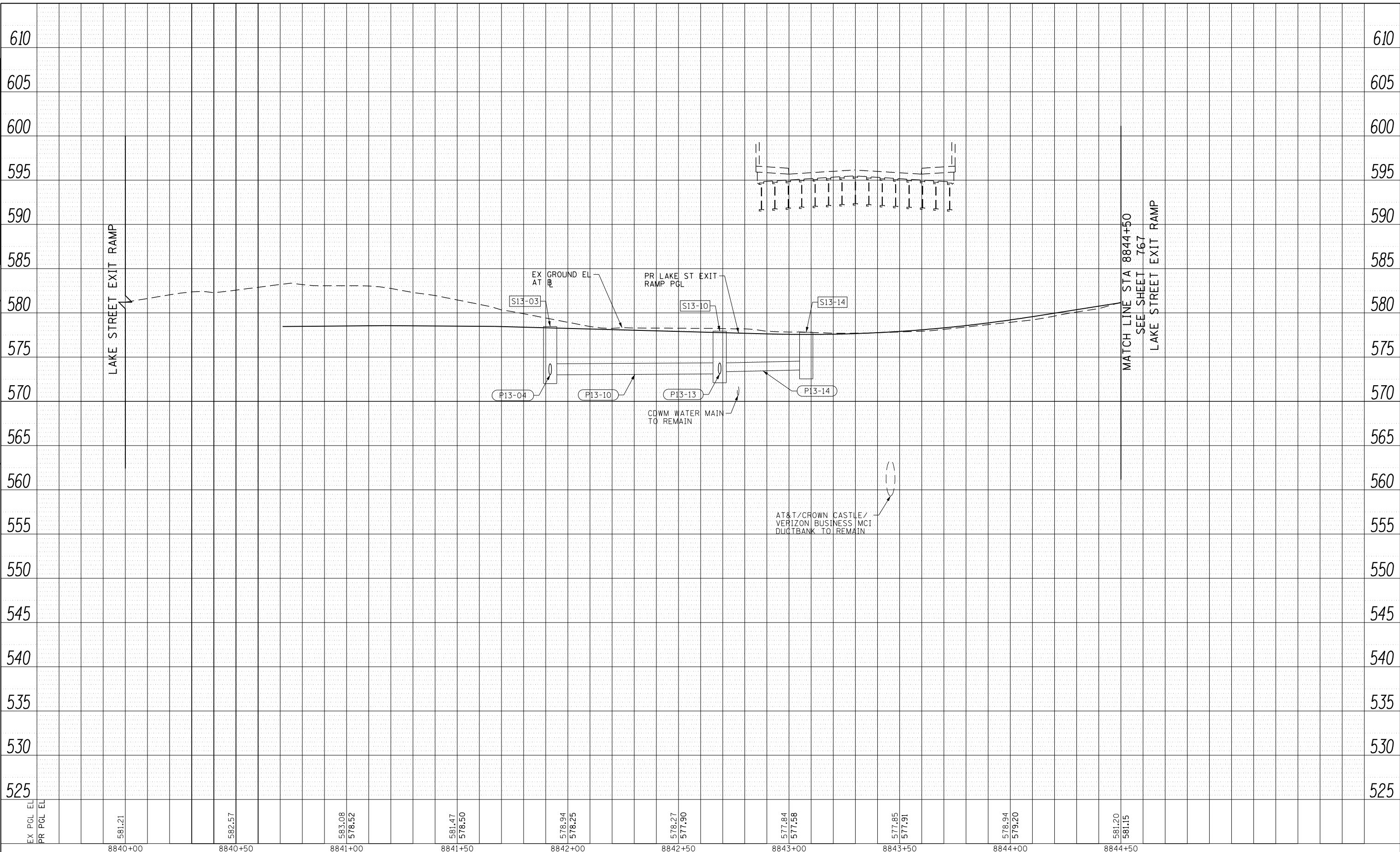


D162A76-SHT-Drain-PRO-36.dgn	DESIGNED - MKW	REVISED -
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PLOT SCALE = 40.0000' / in.	CHECKED - JMG	REVISED -
PLOT DATE = 1/29/2020	DATE - 1/29/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED DRAINAGE AND UTILITIES PROFILE RANDOLPH STREET EXIT RAMP			
SCALE: 1"=20'	SHEET 36	OF 38 SHEETS	STA. 8741+80.26 TO STA. 8744+76.90

F.A.I. RTE. 90/94/290	SECTION 2015-019R	COUNTY COOK	TOTAL SHEETS 2155	SHEET NO. 765
CONTRACT NO. 62A76				ILLINOIS FED. AID PROJECT



PLAN SURVEYED PLOTTED CHECKED
NOTE BOOK NO. CAD FILE NAME

PROFILE SURVEYED PLOTTED CHECKED
NOTE BOOK NO. GRADES CHECKED STRUCTURE NOT AT THIS CHKD

EX PGL EL
PR PGL EL

581.21	582.57	583.08	578.52	581.47	578.50	578.94	578.25	578.27	577.90	577.84	577.58	577.85	577.91	578.94	579.20	581.20	581.15
8840+00	8840+50	8841+00	8841+50	8842+00	8842+50	8843+00	8843+50	8844+00	8844+50								



D162A76-SHT-Drain-PRO-37.dgn
USER NAME = amkluver
PLOT SCALE = 40.0000' / in.
PLOT DATE = 1/29/2020

DESIGNED - MKW
DRAWN - NRH
CHECKED - JMG
DATE - 1/29/20

REVISED -
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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

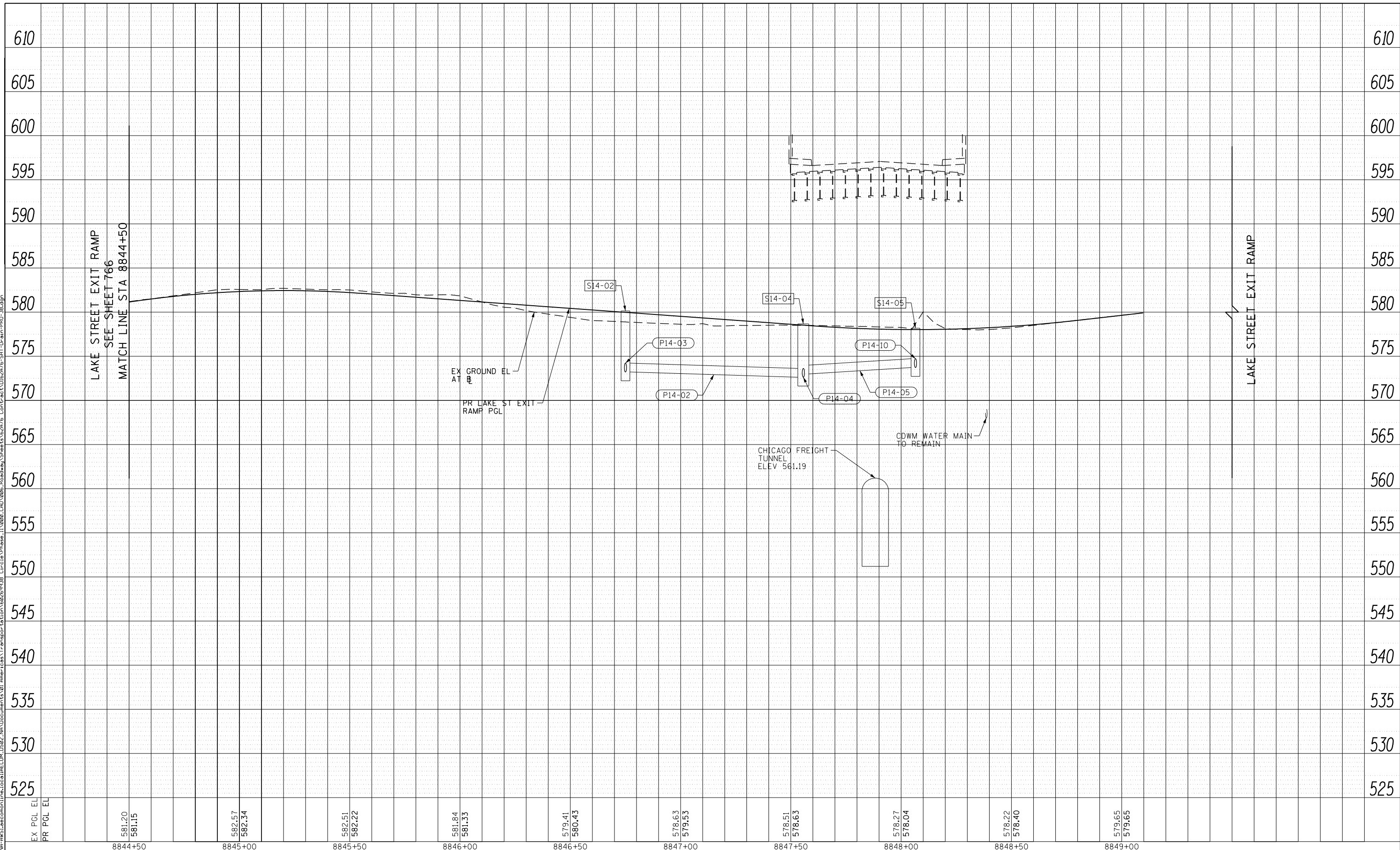
PROPOSED DRAINAGE AND UTILITIES PROFILE
LAKE STREET EXIT RAMP
SCALE: 1"=20'
SHEET 37 OF 38 SHEETS
STA. 8840+64.20 TO STA. 8844+50.00

F.A.I. RTE. 90/94/290	SECTION 2015-019R	COUNTY COOK	TOTAL SHEETS 2155	SHEET NO. 766
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
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	ALIGNMENT		
	NO. CAD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
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EX PGL EL	581.20	582.57	581.84	579.41	578.63	578.51	578.27	578.22	579.65	
PR PGL EL	581.15	582.34	581.33	580.43	579.53	578.63	578.04	578.40	579.65	
	8844+50	8845+00	8845+50	8846+00	8846+50	8847+00	8847+50	8848+00	8848+50	8849+00



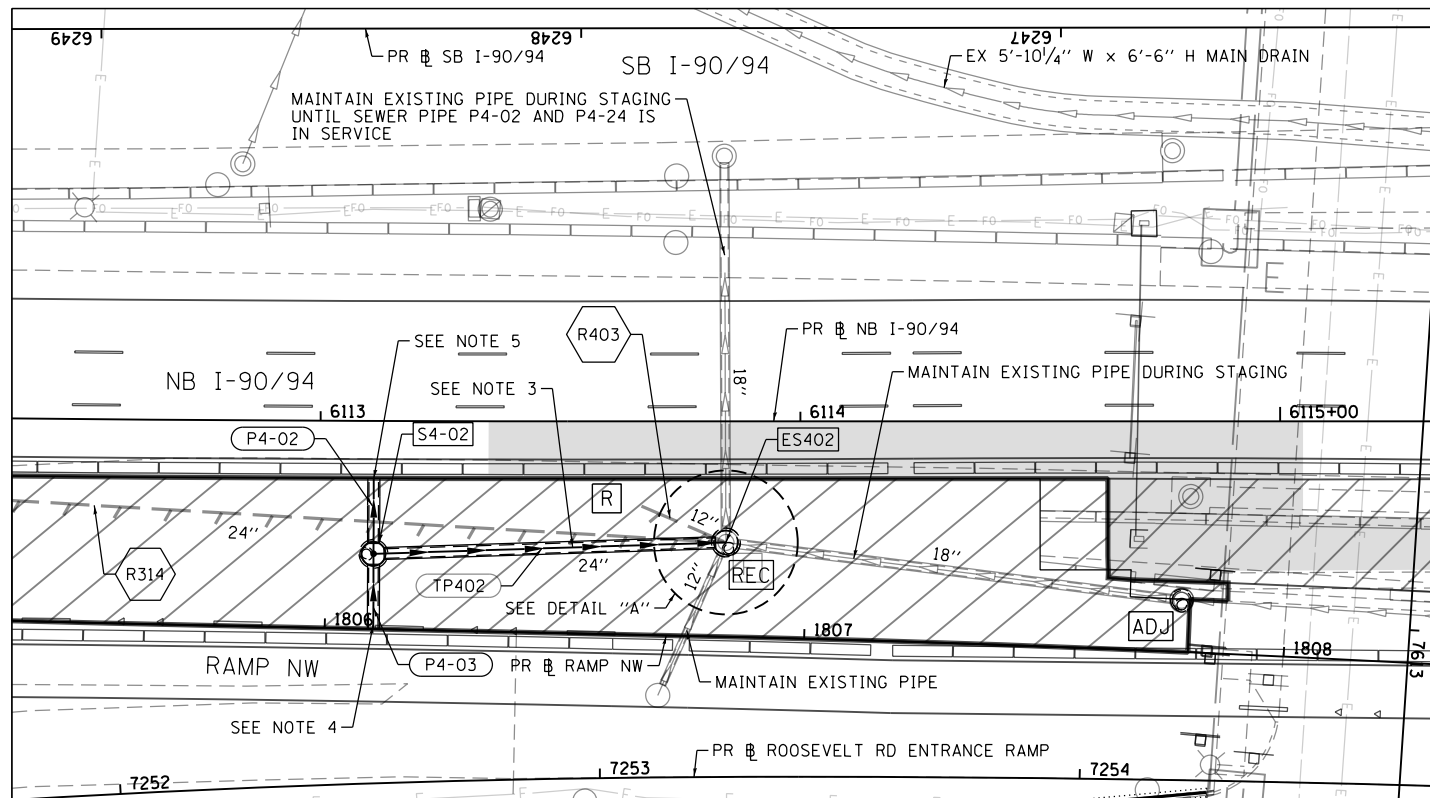
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PLOT DATE = 1/29/2020	DATE - 1/29/20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE AND UTILITIES PROFILE	
LAKE STREET EXIT RAMP	
SCALE: 1"=20'	SHEET 38 OF 38 SHEETS STA. 8844+50.00 TO STA. 8849+09.73

F.A.I. RTE. 90/94/290	SECTION 2015-019R	COUNTY COOK	TOTAL SHEETS 2155	SHEET NO. 767
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

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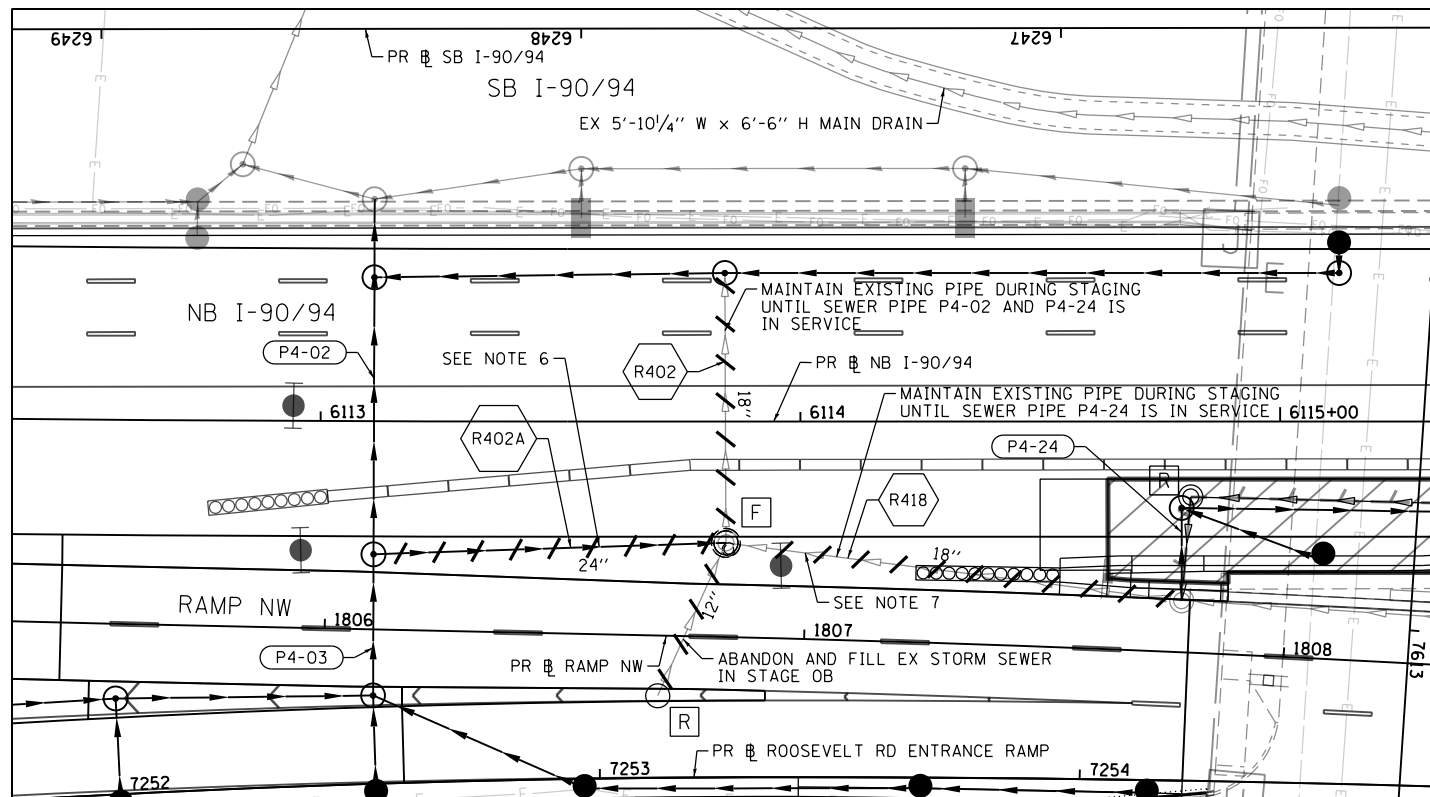
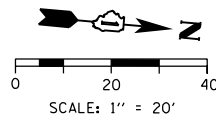


LEGEND

WORK AREA

PLAN VIEW

STAGE 0A

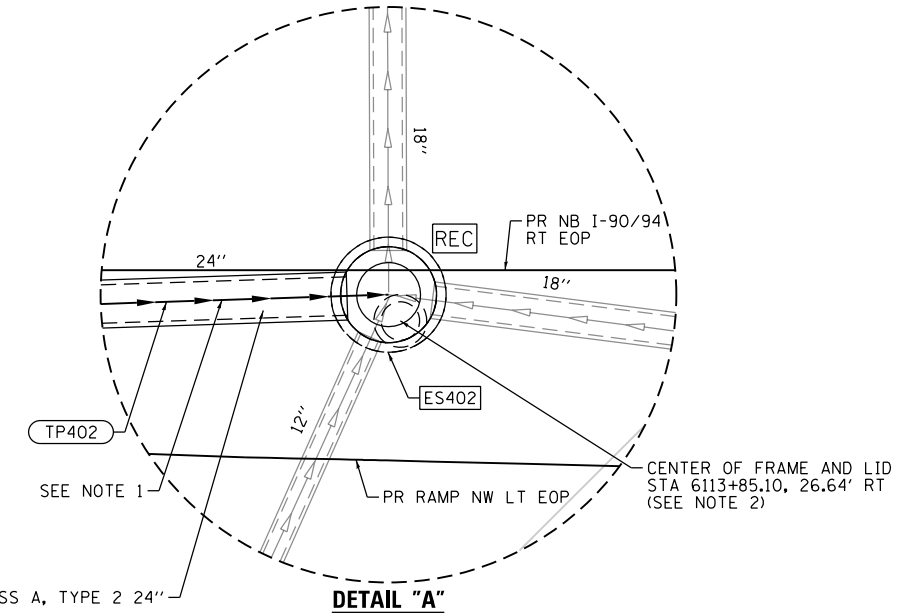
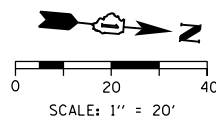


LEGEND

WORK AREA

PLAN VIEW

STAGE 3



STORM SEWERS, CLASS A, TYPE 2 24"

DETAIL "A"

NOTES:

1. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE EXISTING INVERT ELEVATIONS AND PIPE CONNECTIONS. THE DETAILS SHOWN ARE APPROXIMATE AND ARE BASED ON RECORD DRAWINGS AND SURVEY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE INFORMATION AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS.
2. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF DRAINAGE STRUCTURE ES402. DRAINAGE STRUCTURE ES402 SHALL BE RECONSTRUCTED TO THE PROPOSED RIM ELEVATION OF 575.49 AND THE FRAME AND LID SHALL BE ROTATED TO BE WITHIN THE PROPOSED GORE. THE QUANTITY IS PROVIDED IN THE EXISTING DRAINAGE SCHEDULES. THE DRAINAGE STRUCTURE SHALL BE LEFT IN PLACE TO MAINTAIN FLOW DURING STAGING.
3. PIPE TP402 SHALL BE INSTALLED IN STAGE 0A TO MAINTAIN DRAINAGE DURING STAGES 0B-3. SEE THE PROPOSED DRAINAGE SCHEDULES FOR ADDITIONAL INFORMATION ON PIPE LENGTH AND THE APPROXIMATE INVERT ELEVATIONS.
4. INSTALL AND PLUG SEWER PIPE P4-02 IN STAGE 0A. REMOVE PLUG AND INSTALL REMAINING SEWER IN STAGE 2.
5. INSTALL AND PLUG SEWER PIPE P4-03 IN STAGE 0A. REMOVE PLUG AND INSTALL REMAINING SEWER IN STAGE 0B.
6. ABANDON AND FILL EXISTING SEWER PIPE TP402 IN STAGE 3. THE QUANTITY IS PROVIDED ON THE EXISTING DRAINAGE SCHEDULES.
7. DRAINAGE STRUCTURE ES402 SHALL BE ABANDONED AND FILLED IN STAGE 3. THE QUANTITY IS PROVIDED ON THE EXISTING DRAINAGE SCHEDULES.



D162A76-Sht-Drain-Detail-01.dgn
 USER NAME = dshevoz
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 1/24/2020

DESIGNED - AFC
 DRAWN - ZND
 CHECKED - MJE
 DATE - 1/29/20

REVISED -
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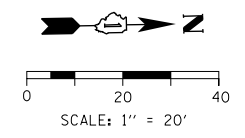
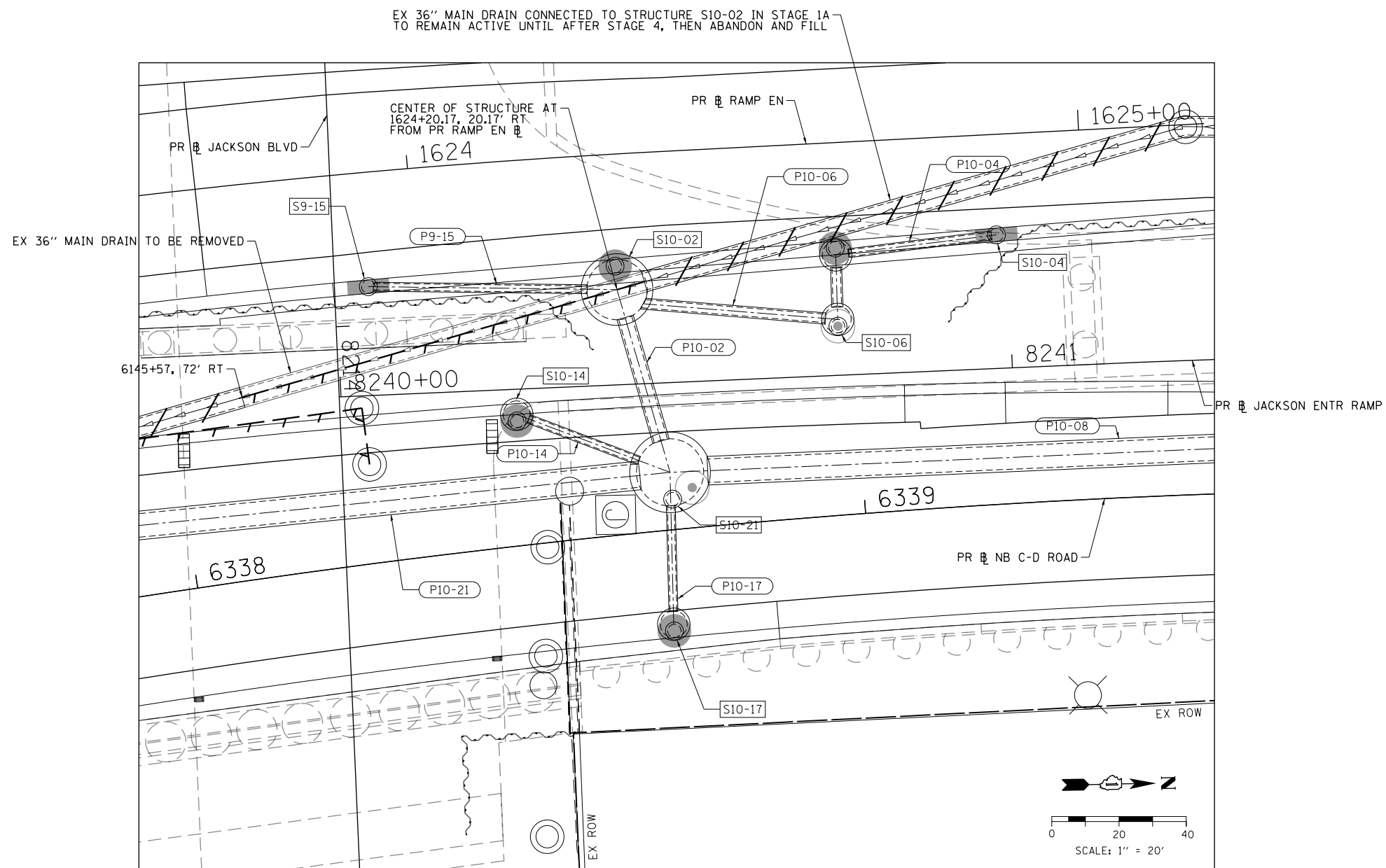
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE DETAIL
MAINTAINING DRAINAGE DURING STAGING

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	768
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

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D162A76-Sht-Drain-Detail-04.dgn
USER NAME = amkluver
PLOT SCALE = 20.0000' / in.
PLOT DATE = 1/29/2020

DESIGNED - MRC	REVISED -
DRAWN - MRC	REVISED -
CHECKED - JMG	REVISED -
DATE - 1/29/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE DETAIL S10-02 CONNECTION			
SCALE: 1"=10'	SHEET 2	OF 5 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	769
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

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SHEET INTENTIONALLY BLANK



D162A76-Sht-Drain-Det-02.dgn	DESIGNED - MRC	REVISED -
USER NAME = ml-ro	DRAWN - MRC	REVISED -
PLOT SCALE = 60.0000' / in.	CHECKED - JMG	REVISED -
PLOT DATE = 1/30/2020	DATE - 1/29/20	REVISED -

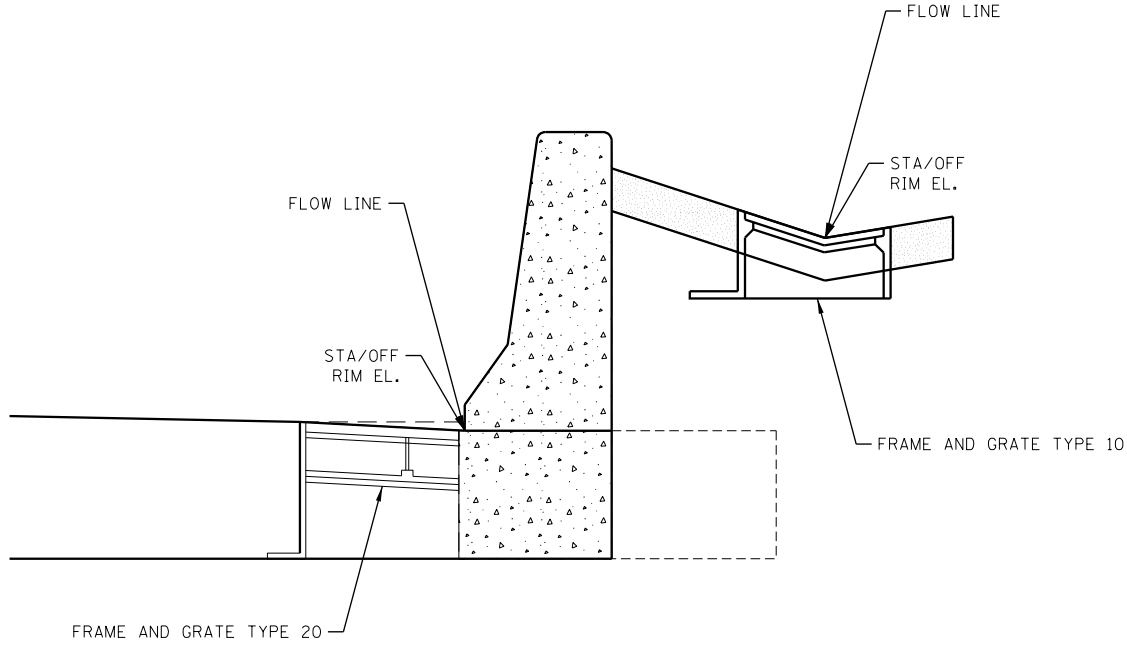
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE DETAIL

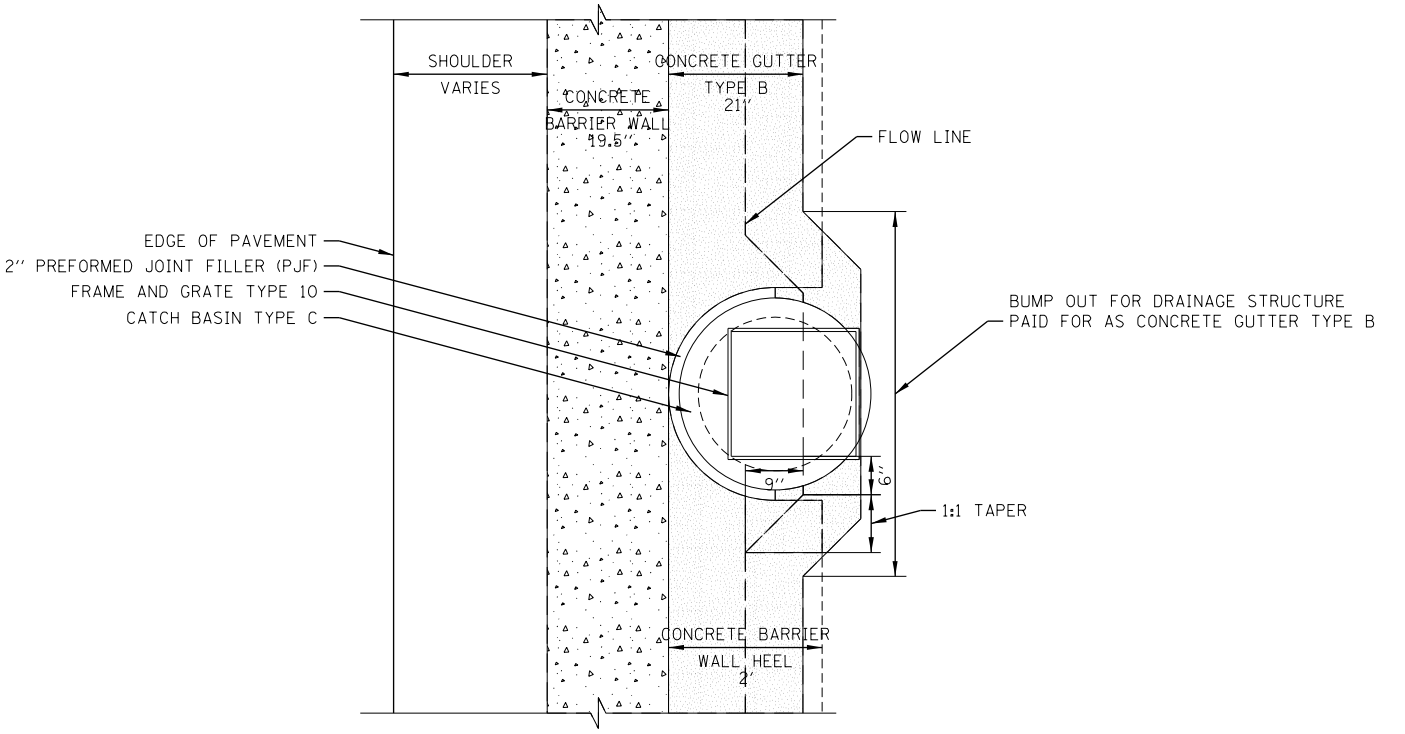
SCALE: NONE SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	770
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62A76	

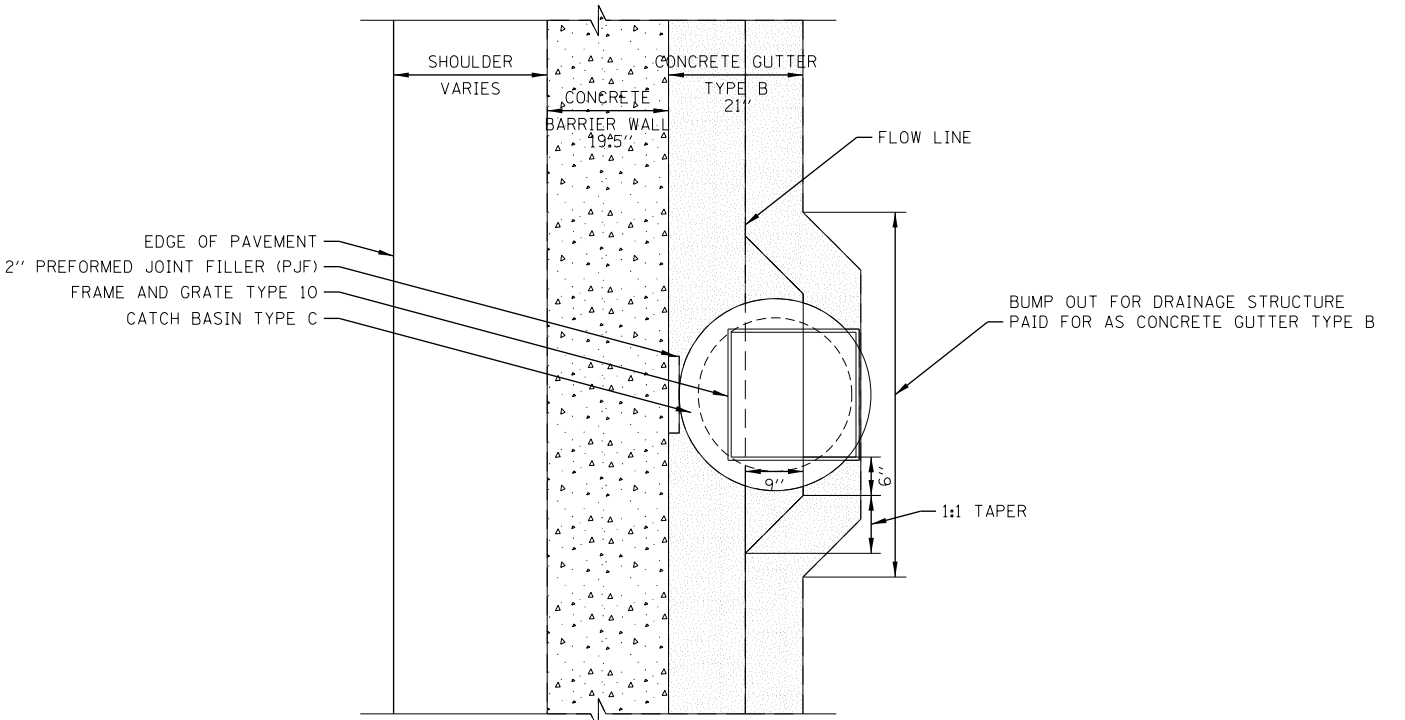
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STATION, OFFSET, AND RIM ELEVATION LOCATION FOR DRAINAGE STRUCTURES ADJACENT TO CONCRETE BARRIER WALL



CONCRETE GUTTER TYPE B BUMP OUT BEHIND CONCRETE BARRIER WALL WITH 2' HEEL



CONCRETE GUTTER TYPE B BUMP OUT BEHIND CONCRETE BARRIER WALL WITHOUT 2' HEEL

- NOTES:**
1. SEE PROPOSED DRAINAGE STRUCTURE SCHEDULE FOR STATION, OFFSET, AND RIM ELEVATION INFORMATION.
 2. SEE ROADWAY PLAN SHEETS AND ROADWAY BARRIER DETAILS FOR CONCRETE BARRIER AND CONCRETE BARRIER BASE INFORMATION.










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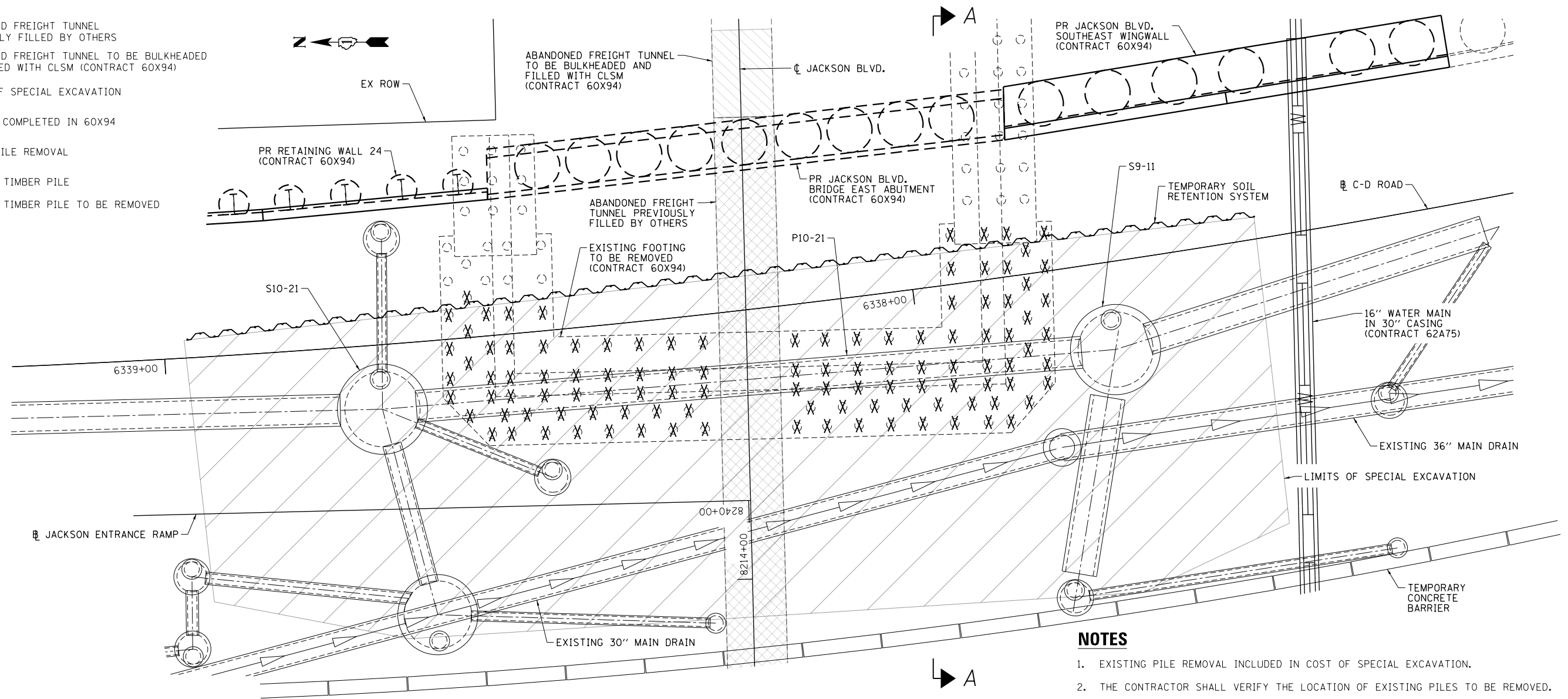
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE DETAILS			
STATION AND OFFSET CALLOUT LOCATIONS			
TYPE B GUTTER BUMP OUTS			
SCALE: NONE	SHEET 4	OF 5 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-019R	COOK	2155	771
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

KEY

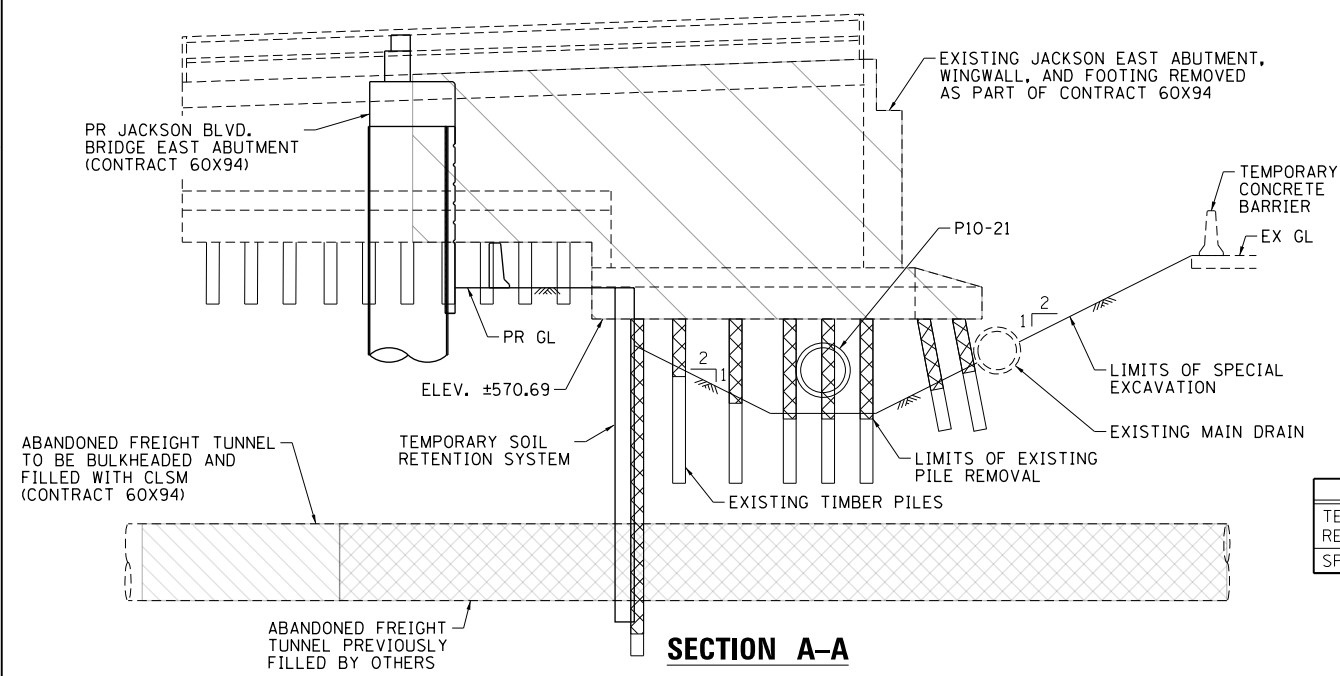
-  ABANDONED FREIGHT TUNNEL PREVIOUSLY FILLED BY OTHERS
-  ABANDONED FREIGHT TUNNEL TO BE BULKHEADED AND FILLED WITH CLSM (CONTRACT 60X94)
-  LIMITS OF SPECIAL EXCAVATION
-  REMOVAL COMPLETED IN 60X94
-  TIMBER PILE REMOVAL
-  EXISTING TIMBER PILE
-  EXISTING TIMBER PILE TO BE REMOVED



PLAN

NOTES

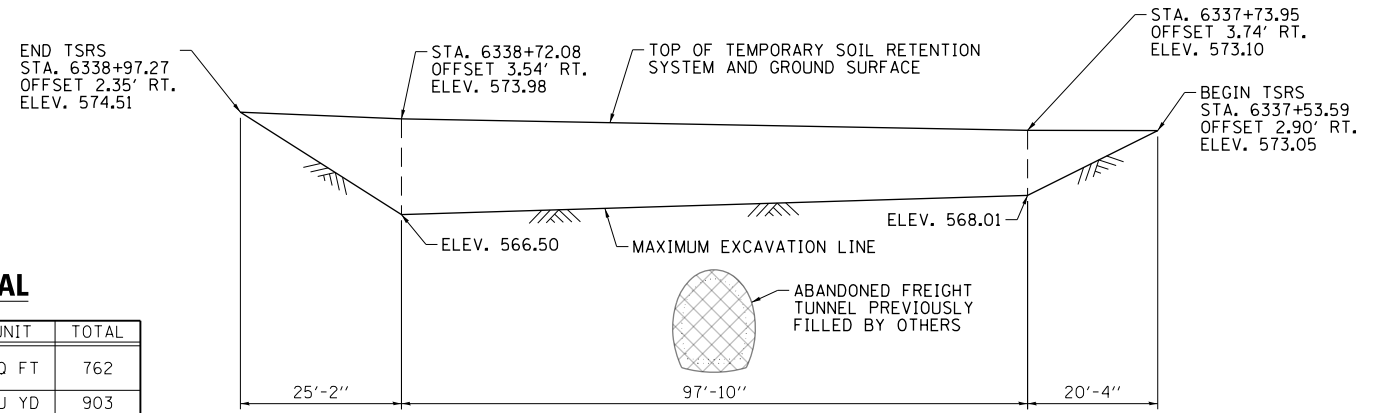
1. EXISTING PILE REMOVAL INCLUDED IN COST OF SPECIAL EXCAVATION.
2. THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING PILES TO BE REMOVED.
3. REMOVE PILES DOWN TO ELEVATION REQUIRED FOR PROPOSED STORM SEWER INSTALLATION.
4. CONTRACTOR TO COORDINATE WITH CONTRACT 60X94. PIPE P10-21 SHALL BE INSTALLED PRIOR TO REMOVING ANY PORTION OF THE EXISTING 36 INCH MAIN DRAIN. PIPE P10-21 SHALL ALSO BE INSTALLED PRIOR TO THE DRILLED SHAFTS FOR PIER 2 BEING INSTALLED IN CONTRACT 60X94.



SECTION A-A

BILL OF MATERIAL

ITEM	UNIT	TOTAL
TEMPORARY SOIL RETENTION SYSTEM	SO FT	762
SPECIAL EXCAVATION	CU YD	903



TEMPORARY SOIL RETENTION SYSTEM

(LOOKING EAST)
STATIONS AND OFFSETS
ARE FROM C-D ROAD



D162A76-Sht-Drain-Detail-05.dgn	DESIGNED - TLR	REVISED -
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PLOT DATE = 1/29/2020	DATE - 1/29/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE DETAIL
PIPE P10-21 INSTALLATION**

SCALE: SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2015-019R	COUNTY COOK	TOTAL SHEETS 2155	SHEET NO. 772
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62A76	

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GENERAL NOTES

1. ALL DIMENSIONS, ELEVATIONS, SIZES AND DETAILS OF THE EXISTING SIPHON STRUCTURE AND ORIGINAL COMBINED SEWER HAVE BEEN TAKEN FROM DRAWINGS TITLED (INCLUDED IN THE PLANS):


NORTHWEST ROUTE SUPERHIGHWAY
PLANS FOR VAN BUREN STREET BRIDGE
SECTION 0101.2-1B
F.A.I. ROUTE NO. 2 PROJECT 1-02-2 (49)
APPROVED MARCH 19, 1957
2. SEE THE SPECIAL PROVISIONS FOR MANHOLE, SPECIAL, FOR ADDITIONAL INFORMATION, CONSTRUCTION REQUIREMENTS, AND MATERIAL SPECIFICATIONS.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND SIZES PRIOR TO CONSTRUCTION OR DEMOLITION AND REPORT DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING.
4. THE CONDITION OF THE EXISTING 60 INCH COMBINED SEWER AND 60 INCH REINFORCED CONCRETE SIPHON PIPE IS ANTICIPATED TO BE SUITABLE AFTER PROPER CLEANING FOR THE APPLICATION OF ADHESIVE WATER STOP MATERIAL AND WATER PROOF TAPE. IF THE CONDITION VARIES FROM WHAT IS ANTICIPATED THE CONTRACTOR SHALL CONSULT WITH ENGINEER TO DETERMINE THE CORRECT PROCESS TO FOLLOW BEFORE PROCEEDING.
5. CAST IN PLACE CONCRETE COLLARS SHALL BE FORMED AND INSTALLED AS SPECIFIED ASSUMING THE EXISTING AND ORIGINAL PIPE CONDITIONS ARE AS ANTICIPATED. IF CONDITIONS VARY FROM WHAT IS INDICATED, THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER FOR DIRECTION BEFORE PROCEEDING.
6. THE NEW SIPHON PIPE SHALL BE 60 INCH DUCTILE IRON PIPE (DIP) ANSI/AWWA C151/A21.51 PRESSURE CLASS 350 PSI.
7. WELDED-ON WATER STOPS 3" X 0.5" WATERSTOP SHALL BE INSTALLED ON THE 60 INCH DIP SPECIAL PIPE AS SHOWN ON THE DRAWINGS
8. WELDED-ON OUTLET FOR THE 60 INCH DIP SHALL CONFORM TO THE FOLLOWING CRITERIA:
 - A) WELDED-ON OUTLET PIPE JOINT SHALL BE SIZED AS SHOWN ON THE DRAWINGS AND SHALL BE RESTRAINED FLEX-RING BELL END OR ENGINEERS APPROVED EQUAL PRODUCT.
 - B) ALL JOINTS ON WELDED-ON BRANCH OUTLETS SHALL BE MADE IN ACCORDANCE WITH THE LATEST REVISION OF ANSI/AWWA C151/A21.15 AS APPLICABLE. ALL WELDED-ON OUTLETS SHALL BE FABRICATED FROM DIP DESIGNED IN ACCORDANCE WITH ANSI/AWWA C150/A21.50 AND MANUFACTURED AND TESTED IN ACCORDANCE WITH ANSI/AWWA C151/A21.51.
 - C) NI-ROD FC 55 ELECTRODES MANUFACTURED BY INTERNATIONAL NICKEL CORPORATION OR ENGINEERS APPROVED ELECTRODES WITH EQUIVALENT PROPERTIES SHALL BE USED IN THE FABRICATION OF THE WELDED-ON OUTLET SPECIAL PIPE SECTION.
 - D) WELDED-ON OUTLETS SHALL BE FABRICATED BY THE DIP MANUFACTURER AT ITS PRODUCTION FACILITIES. MANUFACTURER OF WELDED-ON OUTLETS SHALL HAVE A MINIMUM OF 5 YEARS OF SATISFACTORY EXPERIENCE IN THE MANUFACTURE AND PERFORMANCE OF THESE PRODUCTS.
 - E) THE MANUFACTURER SHALL HAVE A DOCUMENTED WELDING QUALITY ASSURANCE PROGRAM AND SHALL MAINTAIN RESIDENT QUALITY ASSURANCE DOCUMENTATION IN ACCORDANCE WITH ANSI/AWS D11.2 THE GUIDE FOR WELDING IRON CASTINGS.
9. CAST IN PLACE CONCRETE SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH F'C OF 4000 PSI.
10. REINFORCEMENT STEEL SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS WITH A MINIMUM YIELD STRENGTH OF 60,000 PSI.
11. ADHESIVE WATERSTOP MATERIAL SHALL BE SYNKO-FLEX SF302 PREFORMED ADHESIVE WATERSTOP AS MANUFACTURED BY HENRY COMPANY. WATERSTOP SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER S REQUIREMENTS.
12. WATERPROOF TAPE MATERIAL SHALL BE CONSEAL CS-212, POLYOLEFIN BACKED EXTERIOR JOINT WRAP AS MANUFACTURED BY CONCRETE SEALANTS INC. JOINT WRAP SHALL BE 0.065 INCHES THICK AND 12 INCHES WIDE AND INSTALLED IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS.
13. CAST 3/4" DIA X 4" LIFTING LOOPS IN THE BOTTOM OF THE TOP SLAB WHERE INDICATED FOR HANDLING OF THE BLIND FLANGE.
14. FACTORY WELD 3/4" DIA X 4" LIFTING LOOP TO THE CENTER OF THE BLIND FLANGE FOR HANDLING.
15. CONTRACTOR SHALL VERIFY REQUIRED OPENING IN THE SIDE OF THE TYPE "A" MANHOLE TO INSURE PROPER CLEARANCES FOR OUTLET PIPE.
16. 20" DIP OUTLET PIPE SHALL BE WRAPPED TIGHT WITH 1/2" EXPANSION MATERIAL. REMAINING SPACE BETWEEN PIPE AND MANHOLE SHALL BE PACKED TIGHT WITH DRY PACK GROUT.

SEQUENCE OF CONSTRUCTION:

THE SEQUENCE OF CONSTRUCTION PROVIDED BELOW IS NOT INTENDED TO INSTRUCT THE CONTRACTOR ON HOW THE WORK SHALL BE EXACTLY EXECUTED. THE PURPOSE IS TO DESCRIBE ONE POSSIBLE WAY TO EXECUTE THE PROPOSED WORK.

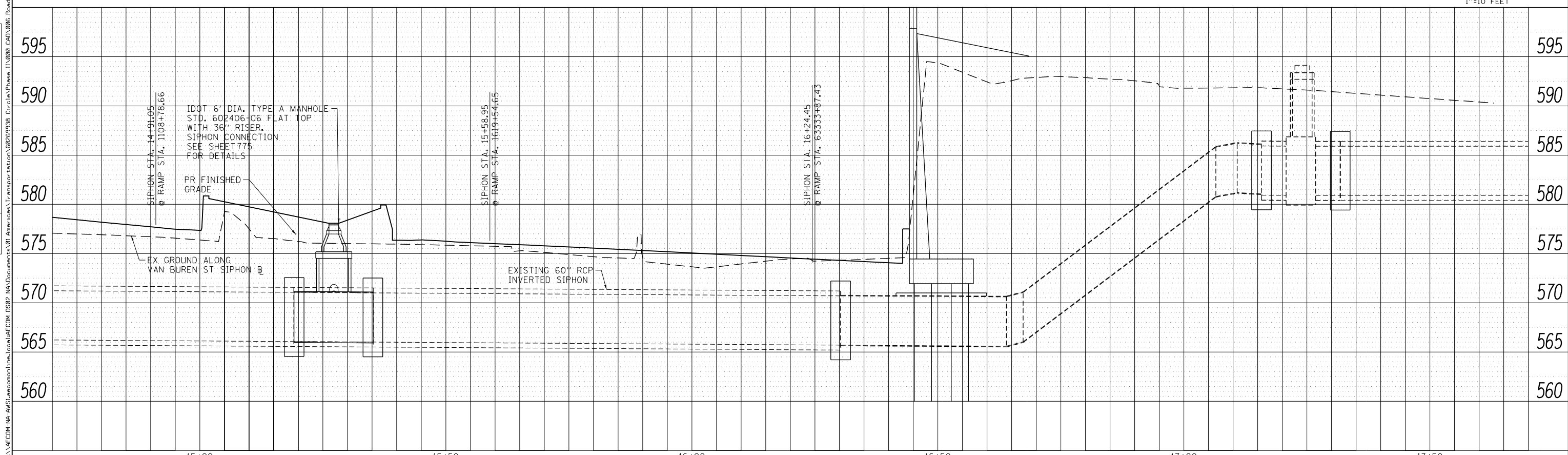
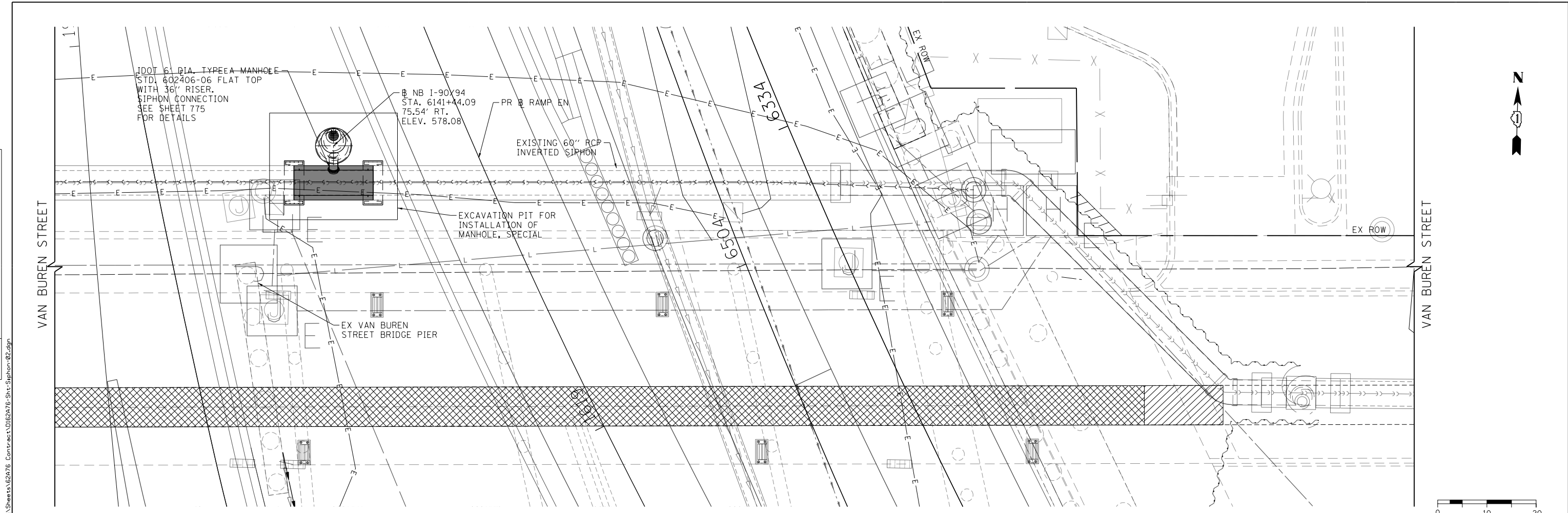
1. LOCATE EXISTING 60" SIPHON PIPE.
2. EXCAVATE AND SHORE EXCAVATION TO ESTABLISH REQUIRED AREA FOR THE PROPOSED WORK.
3. PLUG 60" SIPHON TO RESTRICT FLOWS. THE CONTRACTOR SHALL COORDINATE WITH CDWM TO DETERMINE THE METHOD USED TO PLUG THE SIPHON AND THE LOCATION WHERE THE PLUGS SHALL BE INSERTED PRIOR TO EXCAVATION.
4. DEWATER 60" SIPHON PIPE.
5. CLEAN AND VIDEO TAPE AS REQUIRED.
6. CUT EXISTING 60" SIPHON PIPE AND REMOVE THE SECTION OF PIPE AS REQUIRED FOR THE PROPOSED WORK.
7. ENSURE CLEAN AND SOUND ENDS OF EXISTING SIPHON PIPES AND CUT NEW DUCTILE IRON PIPE (DIP) TO LENGTH AS REQUIRED.
8. POSITION DIP AND APPLY WATER PROOF TAPE AND ADHESIVE WATERS STOP TO JOINT LOCATIONS
9. FORM AND CAST CONCRETE JOINT COLLARS.
10. BACKFILL TO ESTABLISH FOUNDATION FOR ACCESS MANHOLE.
11. SET ACCESS MANHOLE BASE AND BOTTOM SECTION OF MANHOLE STRUCTURE.
12. VERIFY AND INSTALL OUTLET PIPE TO THE SIPHON PIPE WELDED-ON OUTLET.
13. COMPLETE CONSTRUCTION OF THE ACCESS MANHOLE
14. COMPLETE BACKFILL OPERATION TO REQUIRED GRADE
15. REMOVE PLUGS FROM 60" SIPHON PIPE.

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	PLOT DATE = 1/31/2020	DATE - 1/29/20	REVISED -		SCALE: N.T.S.	SHEET 1	OF 3 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

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	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTED	
	NO. _____	

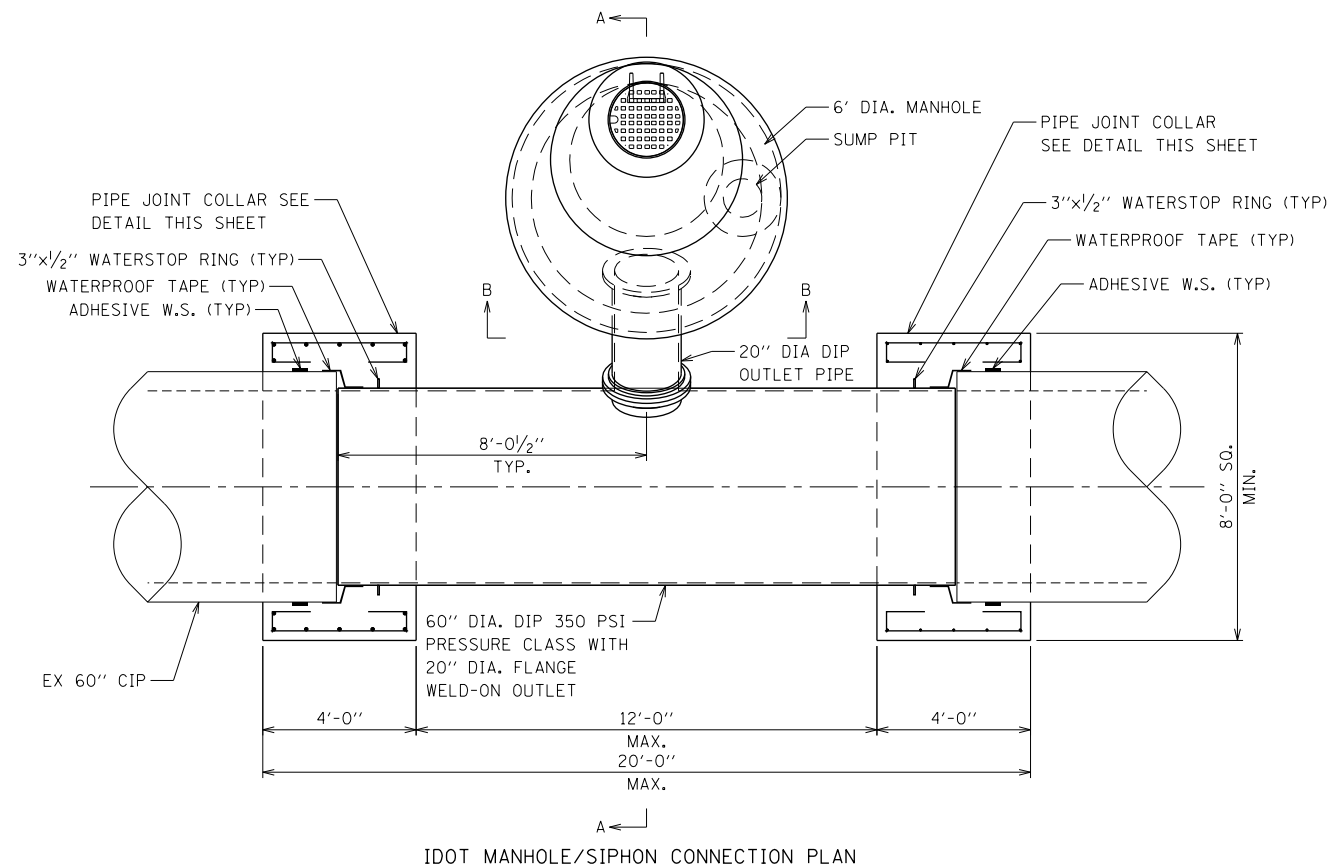
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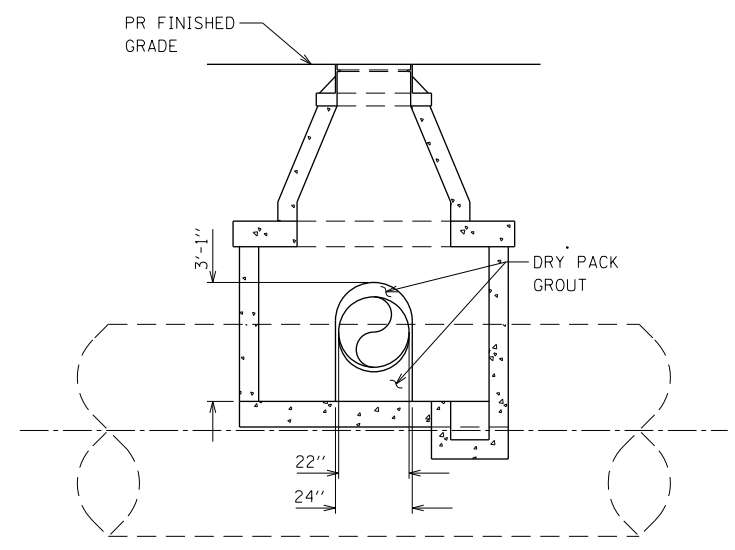
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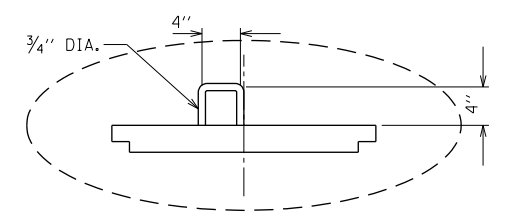
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IDOT MANHOLE/SIPHON CONNECTION PLAN

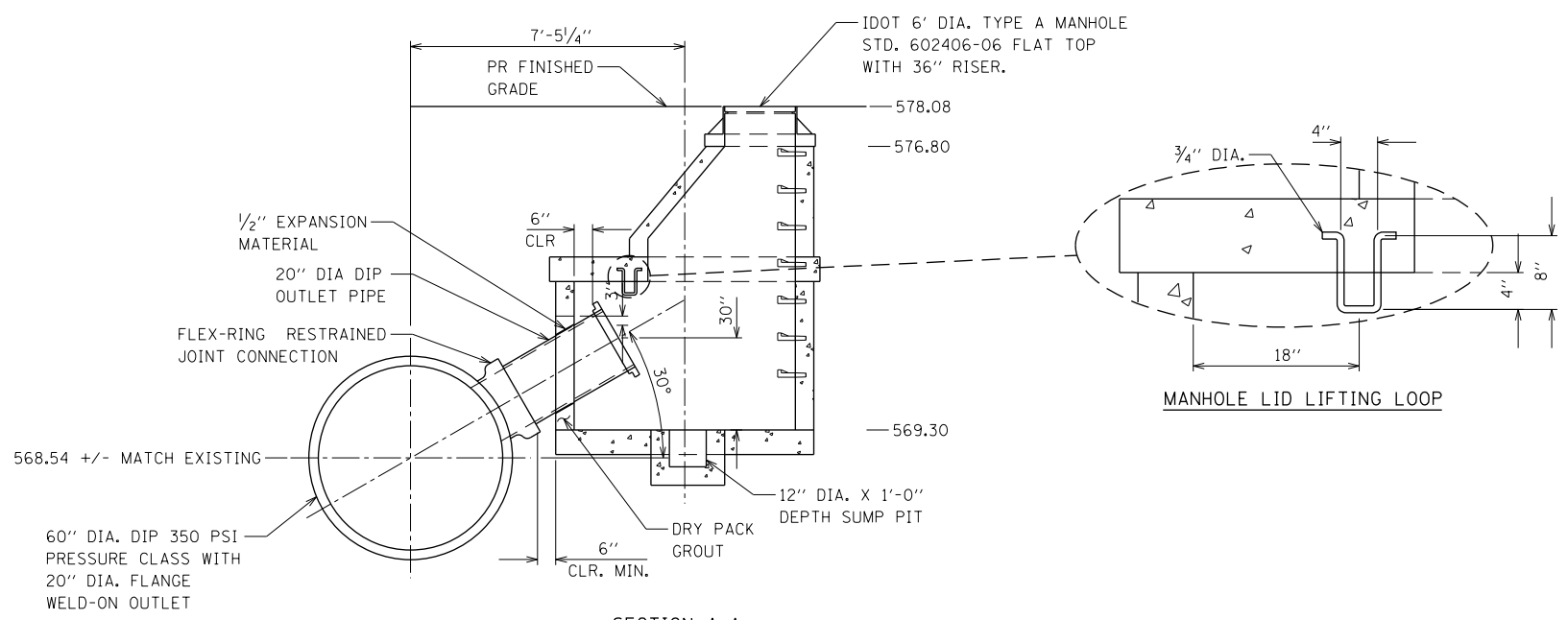


SECTION B-B
IDOT MANHOLE/SIPHON CONNECTION SECTION

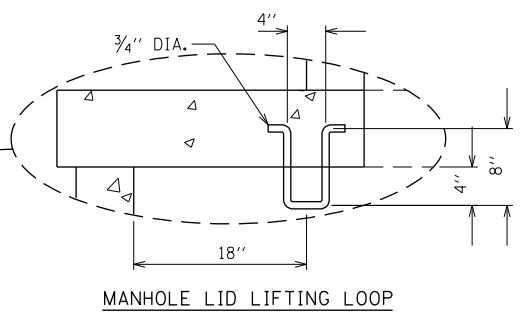


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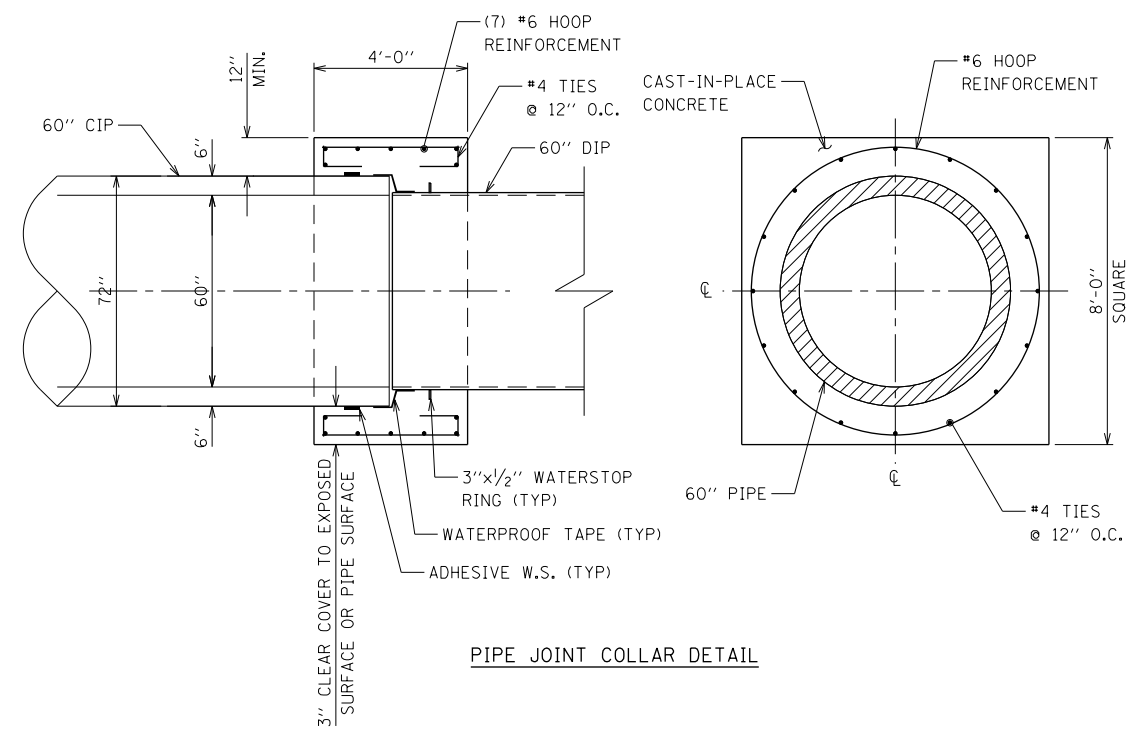
- NOTE:
- REFER IDOT HWY. STANDARD DRAWING 602406-10 FOR MORE INFORMATION FOR PRECAST MANHOLE TYPE "A" 6" DIAMETER MANHOLE BASES AND RINGS.
 - PRECAST CONCRETE RINGS MUST CONFORM TO A.S.T.M. DESIGNATION C76 FOR "REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE", CLASS II, WALL B.
 - STANDARD LENGTH OF RINGS ARE: 4'-0", 2'-8", 1'-4", 0'-8" AND 0'-4" COLLAR.
 - ALL REINFORCEMENT STEEL REQUIRED FOR PRECAST RINGS SHALL BE INCLUDED IN THE PRICE BID FOR ALL MANHOLE ITEMS.
 - CONTRACTOR SHALL VERIFY SURFACE ELEVATION AND TOTAL HEIGHT REQUIREMENT.



SECTION A-A
IDOT MANHOLE/SIPHON CONNECTION SECTION



MANHOLE LID LIFTING LOOP



PIPE JOINT COLLAR DETAIL



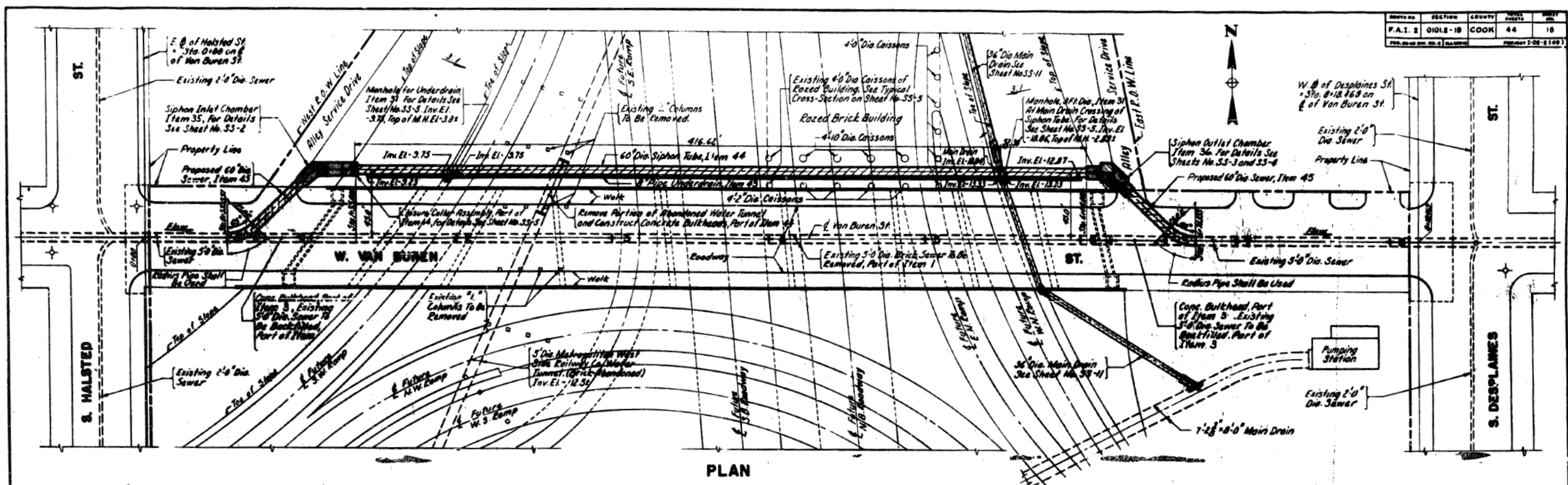
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 PLOT DATE = 1/29/2020

DESIGNED - JEH
 DRAWN - CWD
 CHECKED - JMG
 DATE - 1/29/20

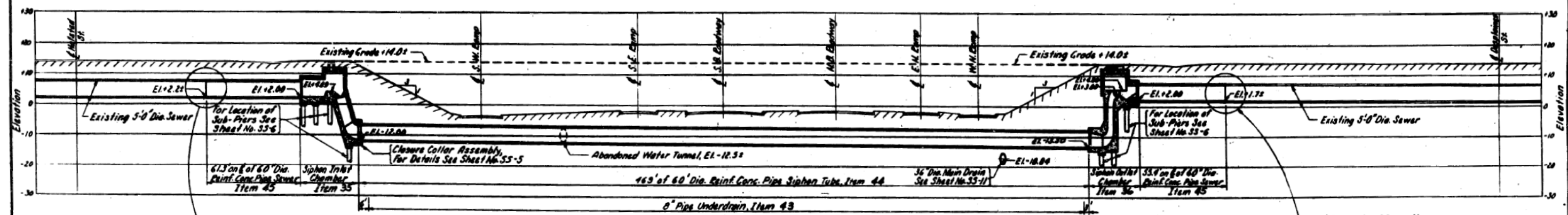
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIPHON DETAILS
 VAN BUREN STREET
 SCALE: N.T.S. SHEET 3 OF 3 SHEETS STA. TO STA.

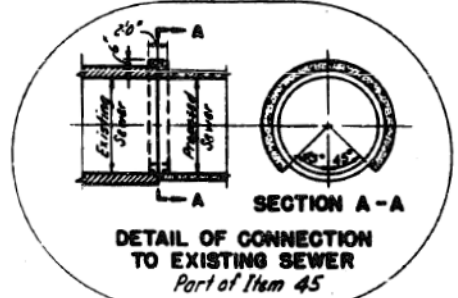
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CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				



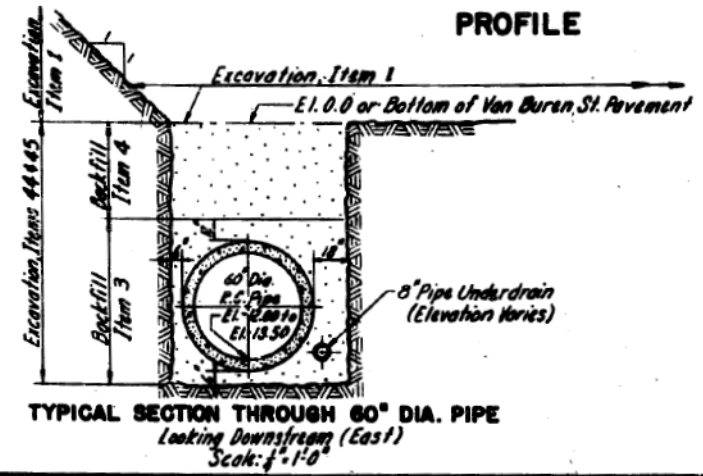
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PROFILE

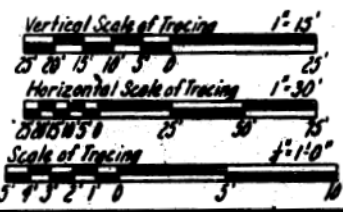


SECTION A-A
DETAIL OF CONNECTION TO EXISTING SEWER Part of Item 45



TYPICAL SECTION THROUGH 60 DIA. PIPE Looking Downstream (East) Scale: 1/4" = 1'-0"

NOTES:
 For Existing Utilities and Topography See Sheet No. G-4.
 For Excavation Cross-Sections, See Sheets Identified By the Prefix Letter "G".
 For Details of Manholes, See Sheet No. SS-5.
 General Notes for Sewer Siphon
 All Elevations Are Measured From Chicago City Datum.
 For Location of Sub-Piers, Keyways, and Reinforcement Steel Details See Sewer Structure Sheets.



REVISIONS	
DATE	DESCRIPTION

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 SEWER PLANNING DIVISION
 NORTHWEST ROUTE SUPERHIGHWAY
 VAN BUREN ST BRIDGE - SECTION 010L2-1B
**SEWER SIPHON
 GENERAL PLAN & PROFILE**
 SCALE: AS SHOWN
 DATE: APRIL 1957
 SHEET NO. 28-1 OF 44 SHEETS

DRAWN BY O.P. Jonsson
 TRACED BY O.P. Jonsson
 CHECKED BY G.L. Miller
 EXAMINED BY J.M. Chasler
 Engineer of Sewer Design

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D162A76-shr-Ex-Siphon-01.dgn
 USER NAME = amkluver
 PLOT SCALE = 100.0000' / in.
 PLOT DATE = 1/29/2020

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CHECKED -	JMG	REVISED -	
DATE -	1/29/20	REVISED -	

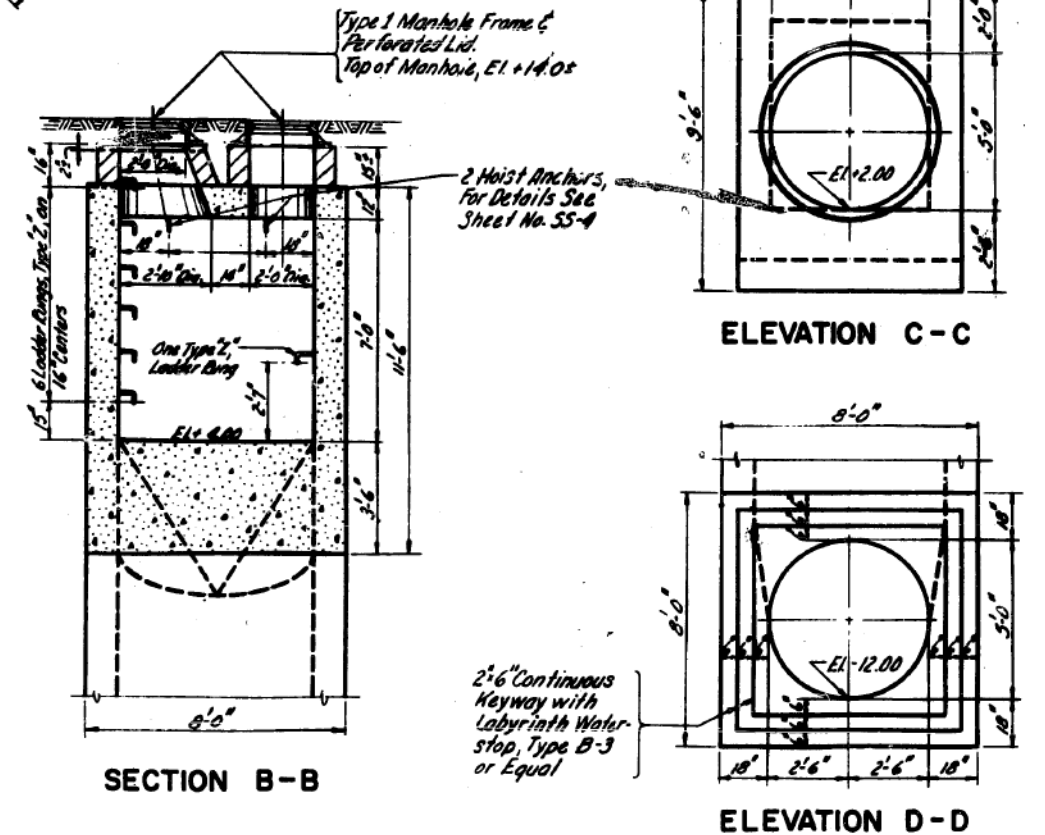
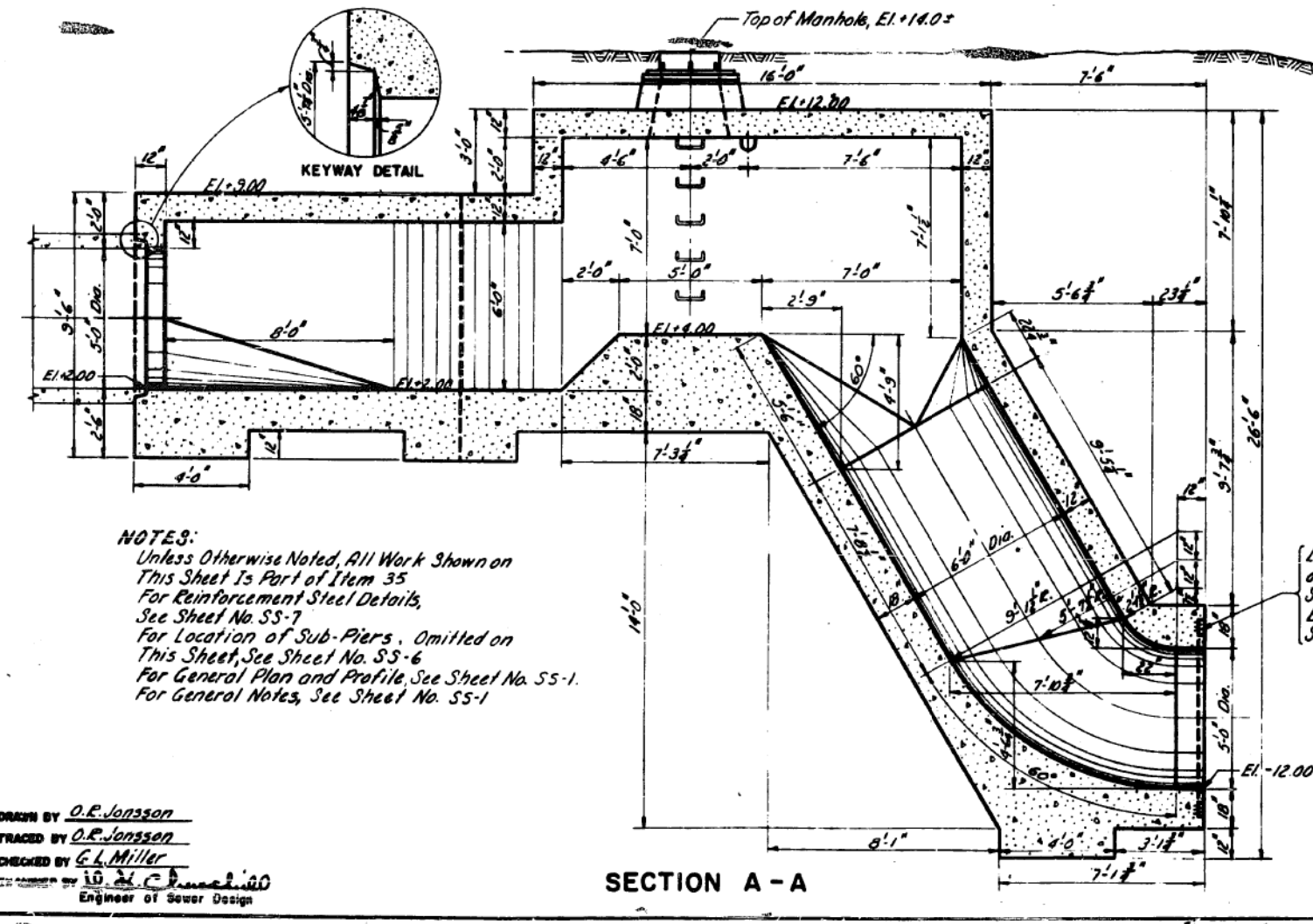
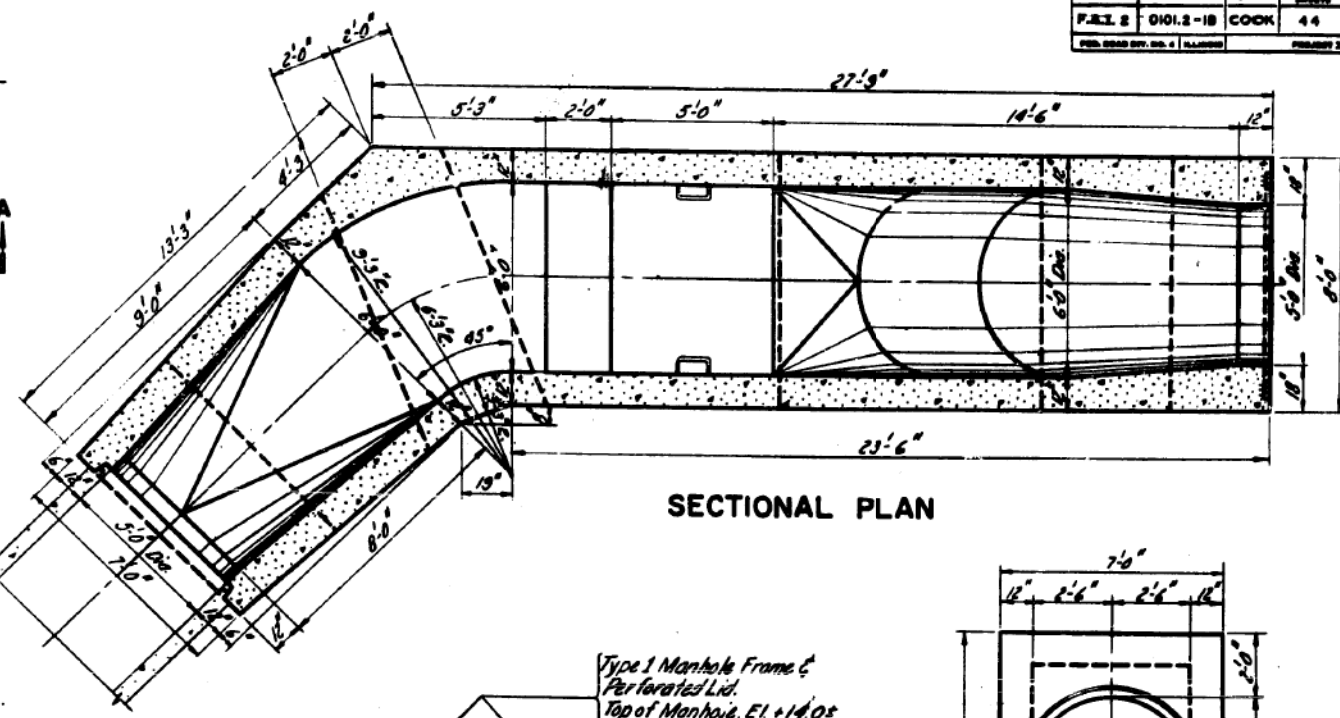
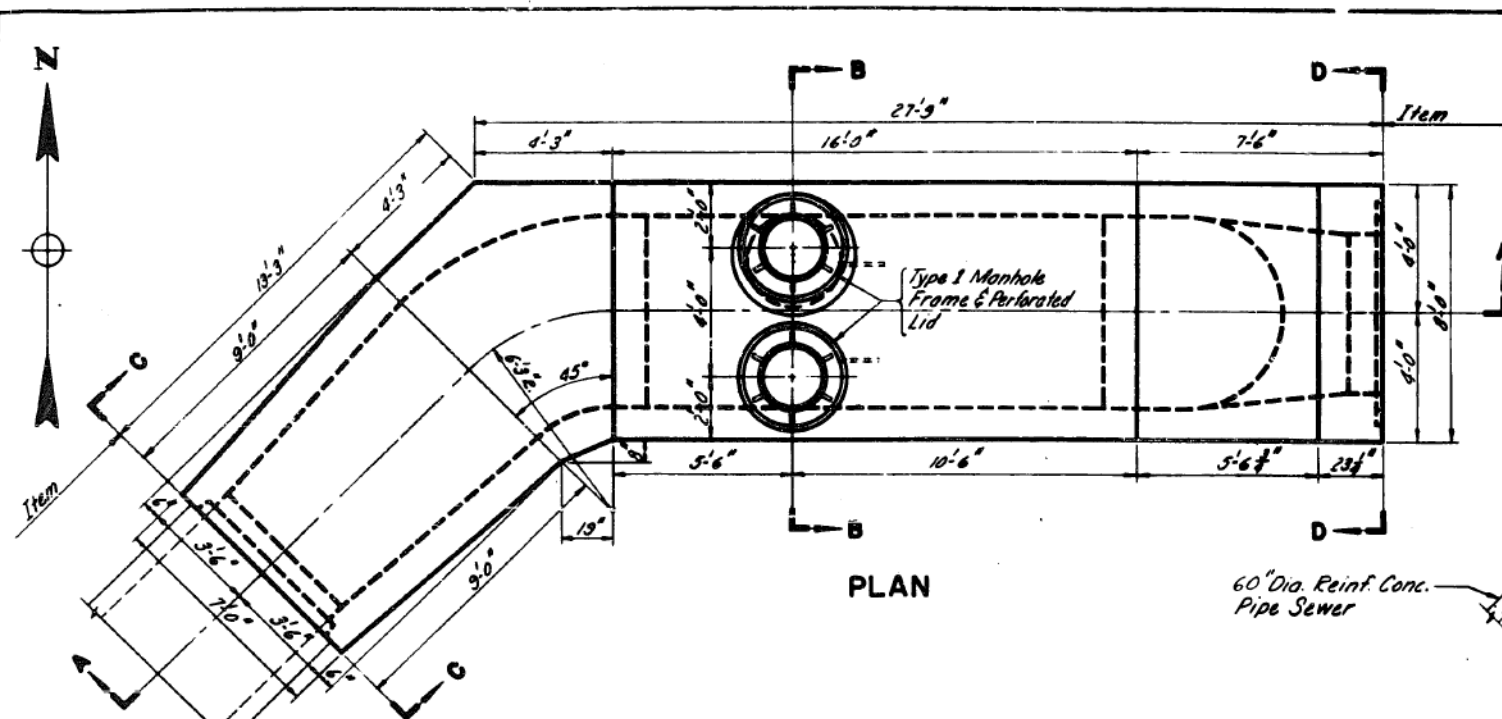
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

AS BUILT SIPHON PLANS
 VAN BUREN STREET

SCALE: NONE SHEET 1 OF 42 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-D19R	COOK	2155	776
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

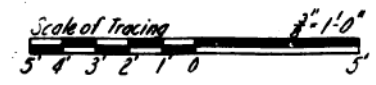
WORK NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 2	0101.2-1B	COOK	44	16
PUB. DRAW. BY: [Name] PROJECT: 2-02-2(4A)				



NOTES:
 Unless Otherwise Noted, All Work Shown on This Sheet is Part of Item 35
 For Reinforcement Steel Details, See Sheet No. SS-7
 For Location of Sub-Piers, Omitted on This Sheet, See Sheet No. SS-6
 For General Plan and Profile, See Sheet No. SS-1
 For General Notes, See Sheet No. SS-1

Labyrinth Waterstop, Type B-3 as Manufactured by Water Seal Inc. Chicago, Illinois or Equal. For Details See Sheet No. SS-5.

DRAWN BY O.R. Jansson
 TRACED BY O.R. Jansson
 CHECKED BY E.L. Miller
 ENGINEER BY E.L. Miller
 Engineer of Sewer Design



REVISIONS	
DATE	DESCRIPTION

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 SEWER PLANNING DIVISION
 NORTHWEST ROUTE SUPERHIGHWAY
 VAN BUREN ST. BRIDGE-SECTION 0101.2-1B
**SIPHON INLET CHAMBER
 PLANS & SECTIONS**
 SCALE: As Shown
 DATE: APRIL 1957
 SHEET NO. SS-2 OF 44 SHEETS

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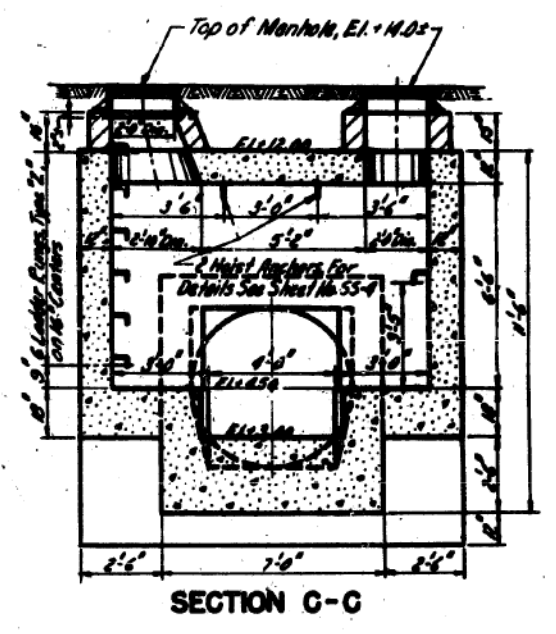
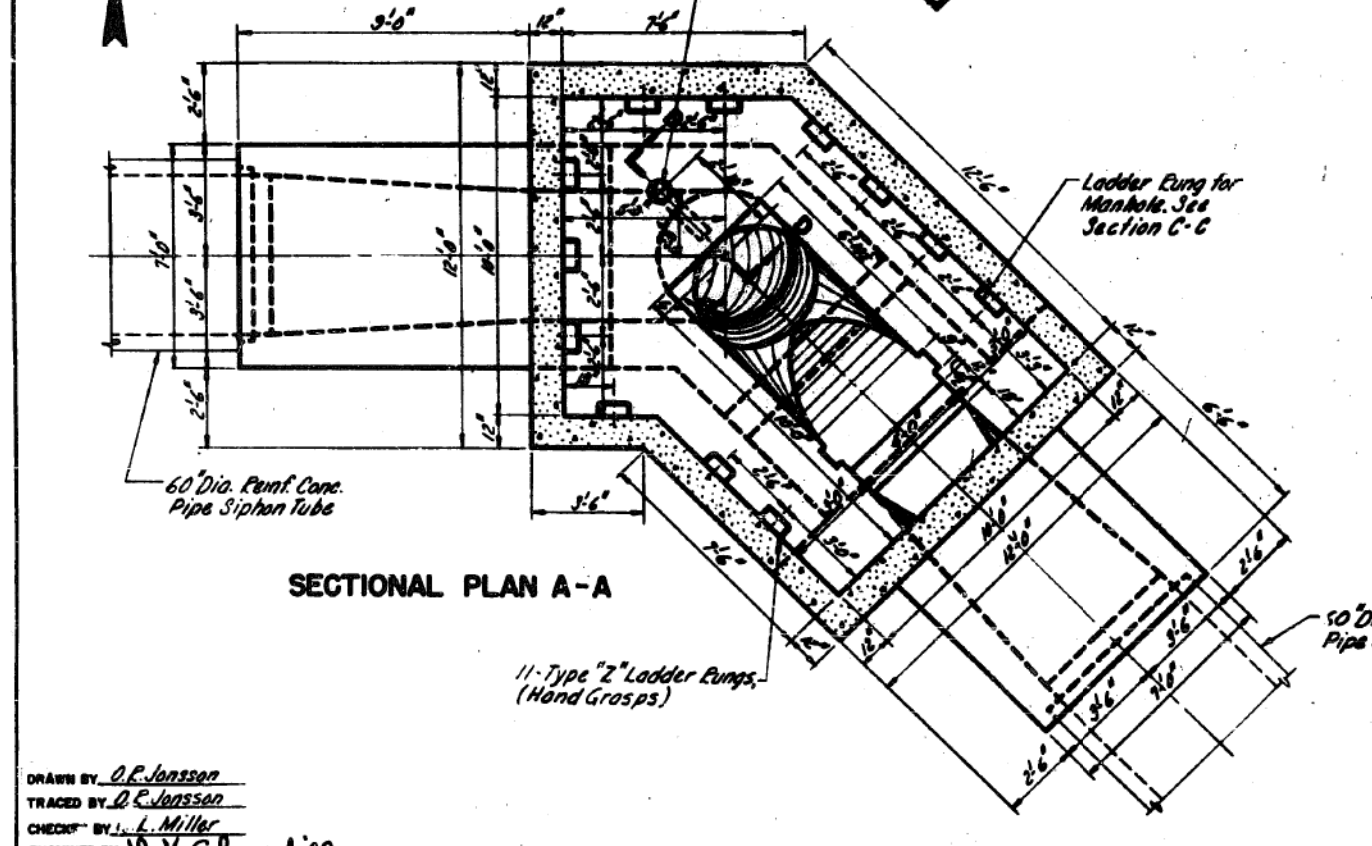
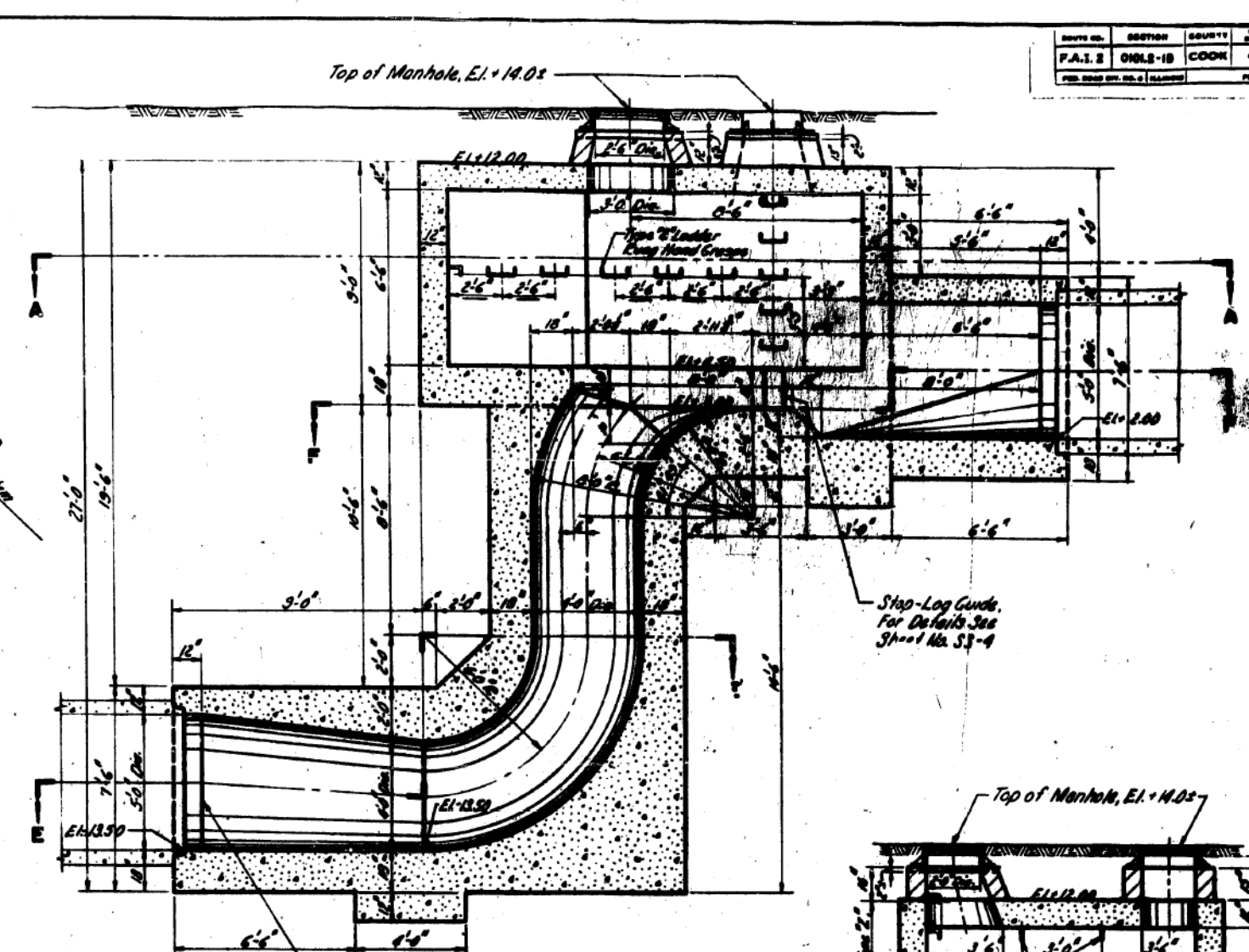
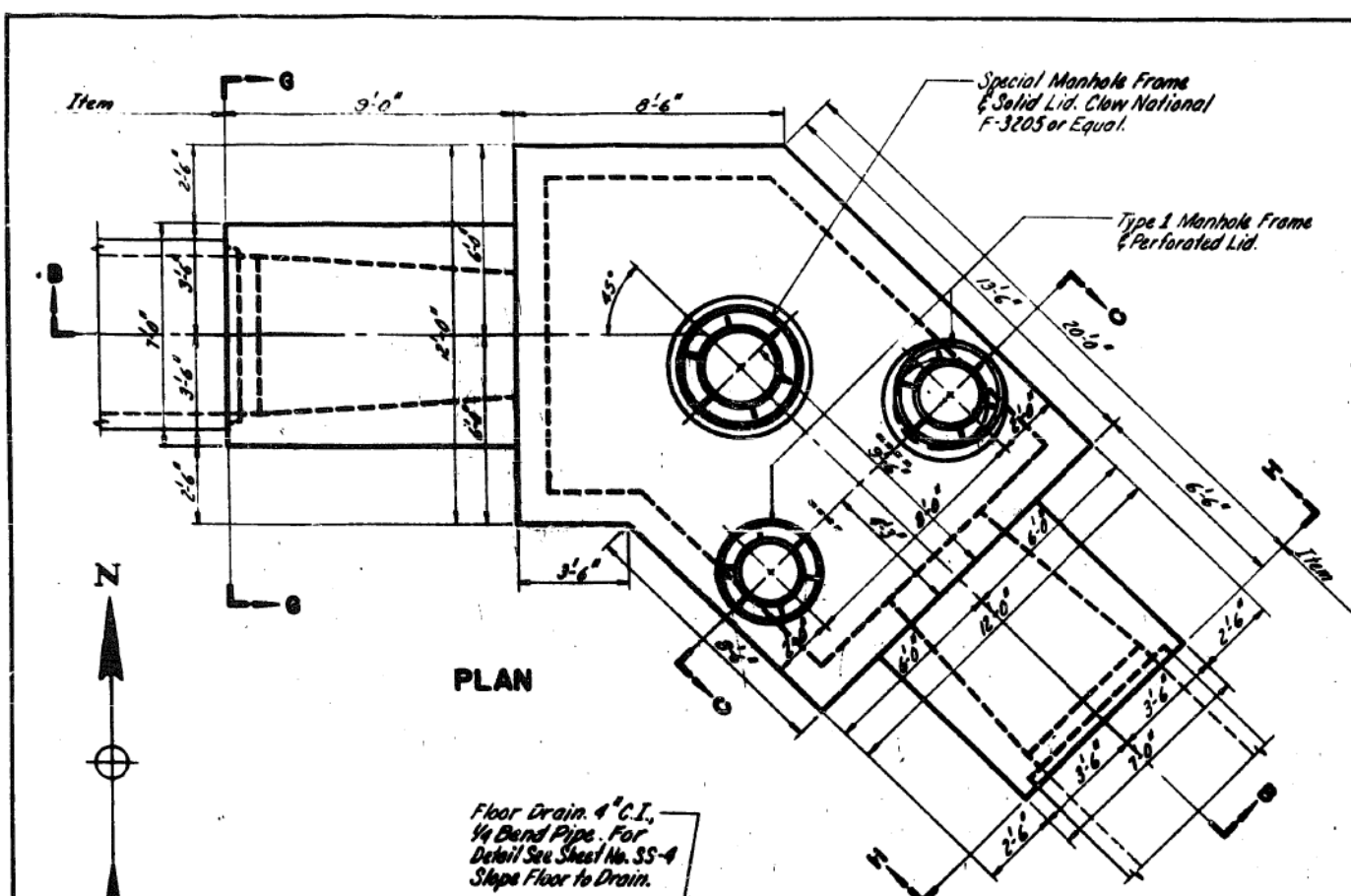
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

AS BUILT SIPHON PLANS
 VAN BUREN STREET

SCALE: NONE SHEET 2 OF 42 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2015-D19R	COUNTY COOK	TOTAL SHEETS 2155	SHEET NO. 777
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 2	0102-1B	COOK	44	17
FOR ROAD DIST. NO. 2 (ILLINOIS) PROJECT 62A76				



NOTES:
 For Additional Sections and Details See Sheet No. SS-4.
 Unless Otherwise Noted, All Work Shown on Sheets SS-3 and SS-4 is Part of Item 36.
 For Reinforcement Steel Details See Sheet No. SS-8.
 For Location of Sub-Piers, Omitted on This Sheet, See Sheet No. SS-6.
 For General Plan and Profile, See Sheet No. SS-1.
 For General Notes, See Sheet No. SS-1.



REVISIONS	
DATE	DESCRIPTION

DRAWN BY: O.E. Jansson
 TRACED BY: O.E. Jansson
 CHECKED BY: L. Miller
 EXAMINED BY: D.H. Chumley
 Engineer of Sewer Design

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 SEWER PLANNING DIVISION
 NORTHWEST ROUTE SUPERHIGHWAY
 VAN BUREN ST. BRIDGE - SECTION 0102-1B
**SIPHON OUTLET CHAMBER
 PLANS & SECTIONS**
 SCALE: AS SHOWN
 DATE: APRIL 1957
 SHEET NO. 33 OF 44 SHEETS

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D162A76-sht-Ex-Siphon-03.dgn
 USER NAME = amkluver
 PLOT SCALE = 100.0000' / 1"
 PLOT DATE = 1/29/2020

DESIGNED -	REVISOR -
DRAWN - BAW	REVISIONS -
CHECKED - JMG	REVISIONS -
DATE - 1/29/20	REVISIONS -

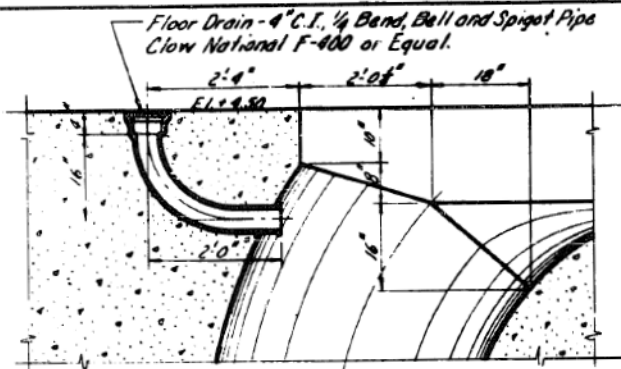
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

AS BUILT SIPHON PLANS
 VAN BUREN STREET

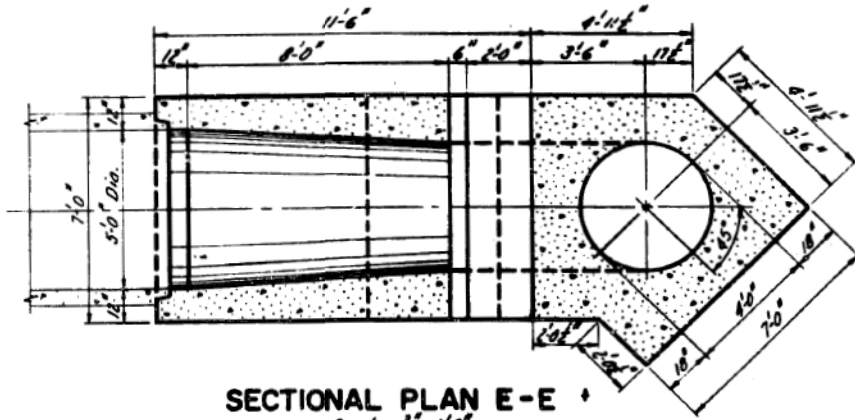
SCALE: NONE SHEET 3 OF 42 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-D19R	COOK	2155	778
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

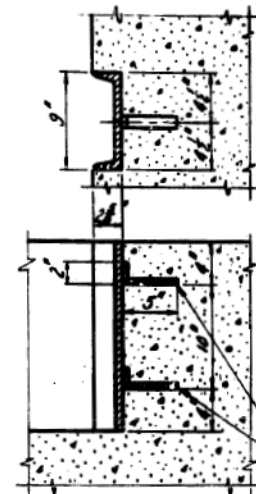
SECTION	NO.	DATE	BY
F.A.I. 2	0101.2-1B	COOK	44
SHEET NO.		TOTAL SHEETS	
18		44	



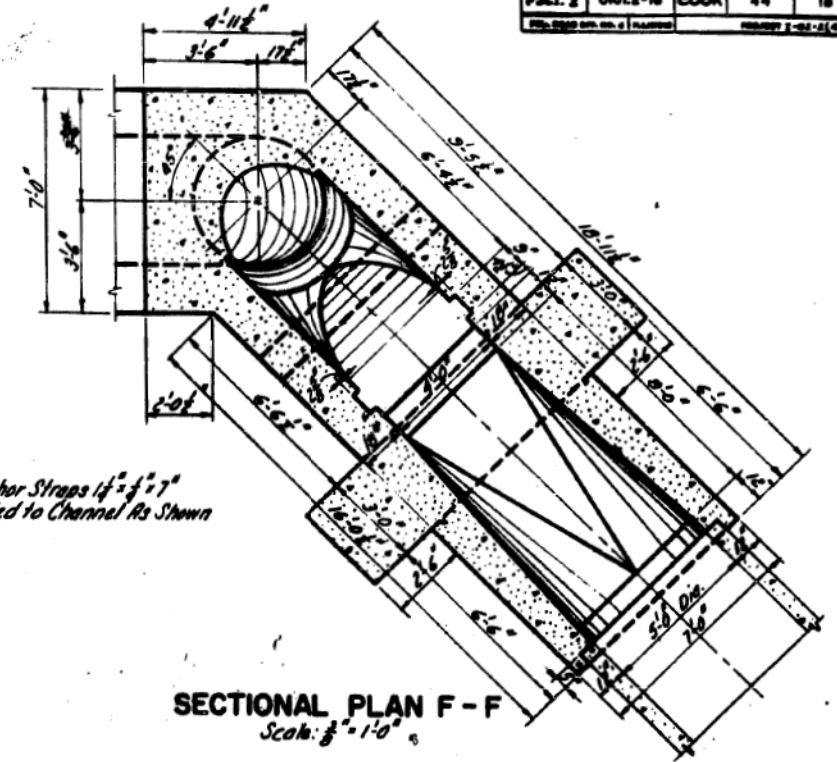
**SECTION D-D
FLOOR DRAIN DETAIL**
Scale: $\frac{3}{4}$ " = 1'-0"
1 Required



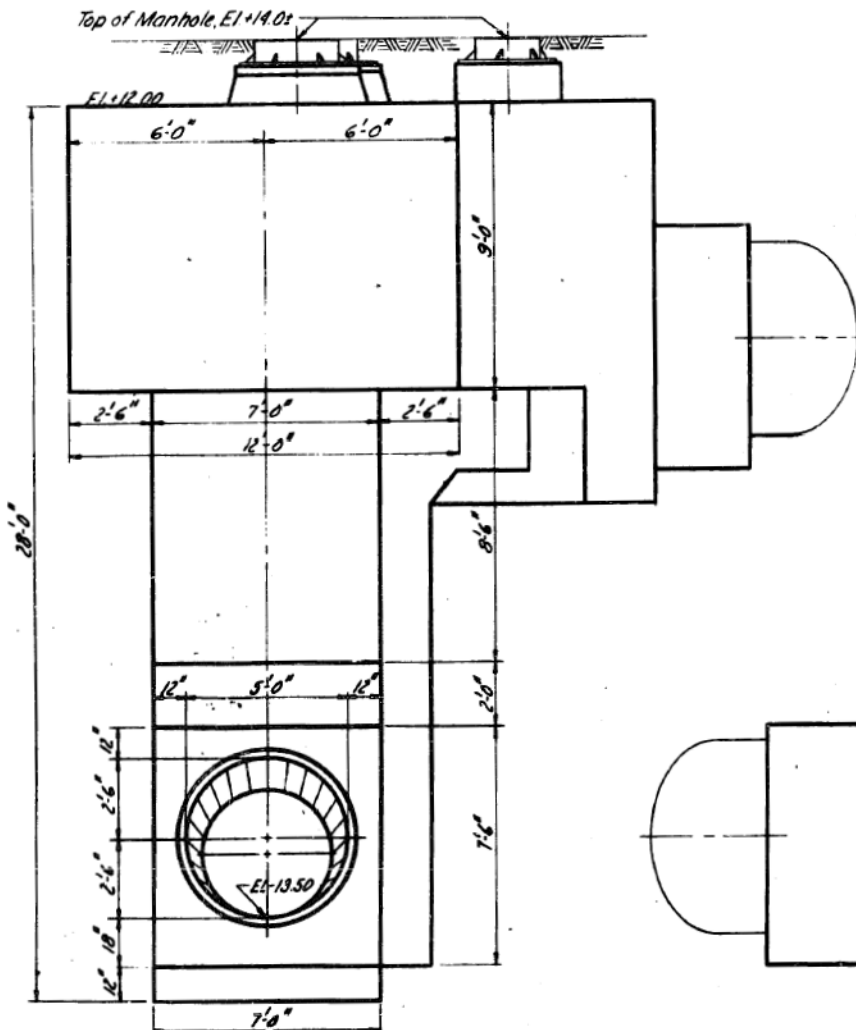
SECTIONAL PLAN E-E
Scale: $\frac{3}{8}$ " = 1'-0"



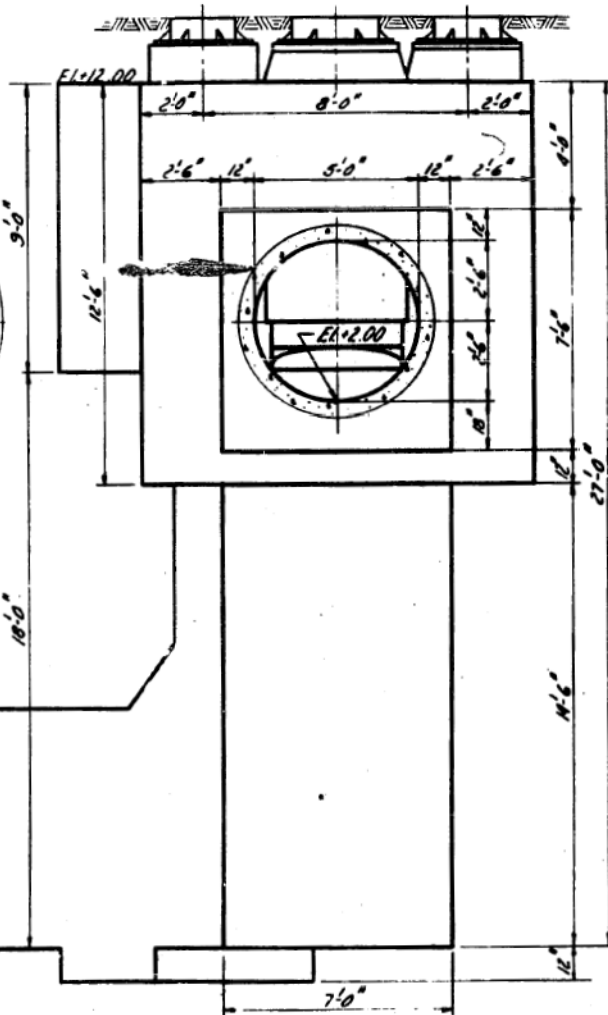
STOP-LOG GUIDE DETAIL
Material: 9" Channel @ 20"
Heavily Galvanized after Fabrication
Scale: $1\frac{1}{2}$ " = 1'-0"
2 Required



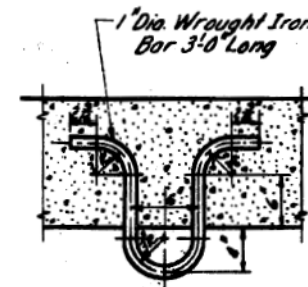
SECTIONAL PLAN F-F
Scale: $\frac{3}{8}$ " = 1'-0"



ELEVATION G-G
Scale: $\frac{3}{8}$ " = 1'-0"

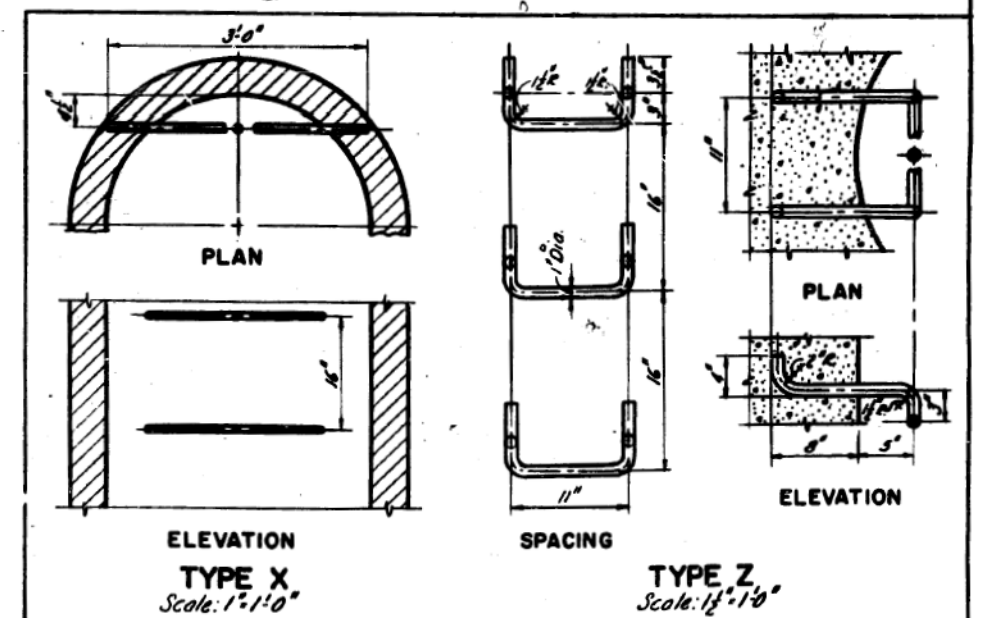


ELEVATION H-H
Scale: $\frac{3}{8}$ " = 1'-0"



HOIST ANCHOR
Material: Wrought Iron
Heavily Galvanized after Fabrication
Scale: $1\frac{1}{2}$ " = 1'-0"
4 Required
Part of Items 35 and 36

NOTES:
Unless Otherwise Noted, All Work Shown
on Sheets SS-3 and SS-4 is Part of Item 36
For Reinforcement Steel Details
See Sheet No. SS-8.
For Location of Sub-Piers, Omitted on
This Sheet, See Sheet No. SS-6.
For General Notes See Sheet No. SS-1.



**ELEVATION
TYPE X**
Scale: 1" = 1'-0"

**ELEVATION
TYPE Z**
Scale: $1\frac{1}{2}$ " = 1'-0"

STANDARD LADDER RUNGS

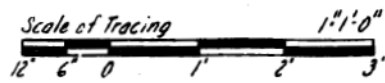
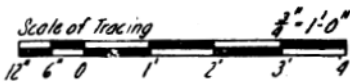
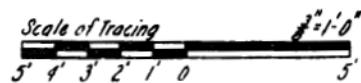
All Ladder Rungs Shall Be of 1" Dia.
Galvanized Wrought Iron

REVISIONS	
DATE	DESCRIPTION

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SEWER PLANNING DIVISION
NORTHWEST ROUTE SUPERHIGHWAY
VAN BUREN ST. BRIDGE - SECTION 0101.2-1B
**SIPHON OUTLET CHAMBER
SECTIONS & MISC. DETAILS**

SCALE: As Shown
DATE: APRIL 1957
SHEET NO. SS-4 OF 44 SHEETS

DRAWN BY O.R. Jonsson
TRACED BY O.R. Jonsson
CHECKED BY G.L. Miller
EXAMINED BY J.H. Chumley
Engineer of Sewer Design



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D162A76-shr-Ex-Siphon-04.dgn
USER NAME = amkluver
PLOT SCALE = 100.0000 / 1
PLOT DATE = 1/29/2020

DESIGNED -
DRAWN - BAW
CHECKED - JMG
DATE - 1/29/20

REVISED -
REVISED -
REVISED -
REVISED -

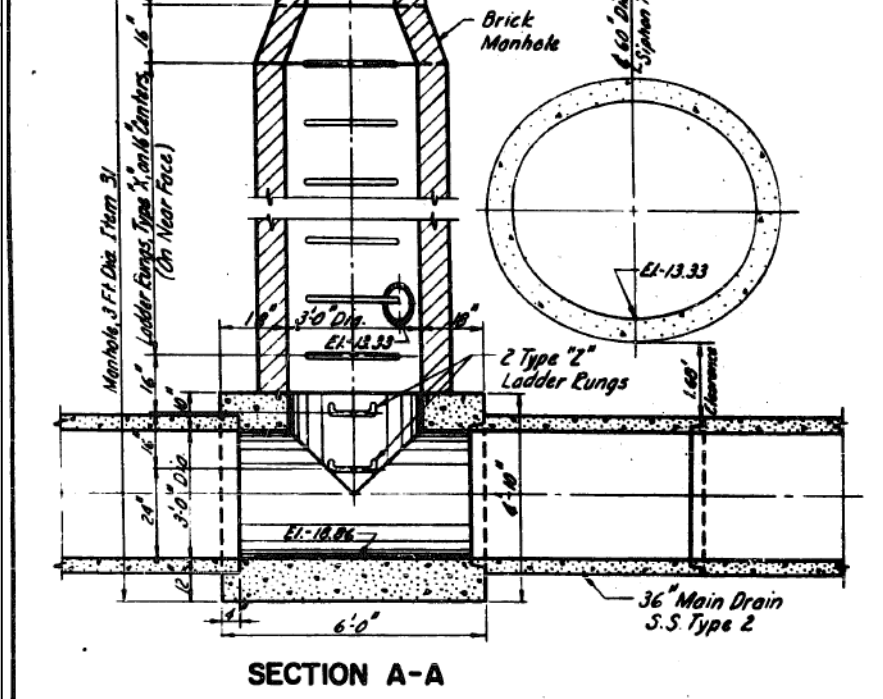
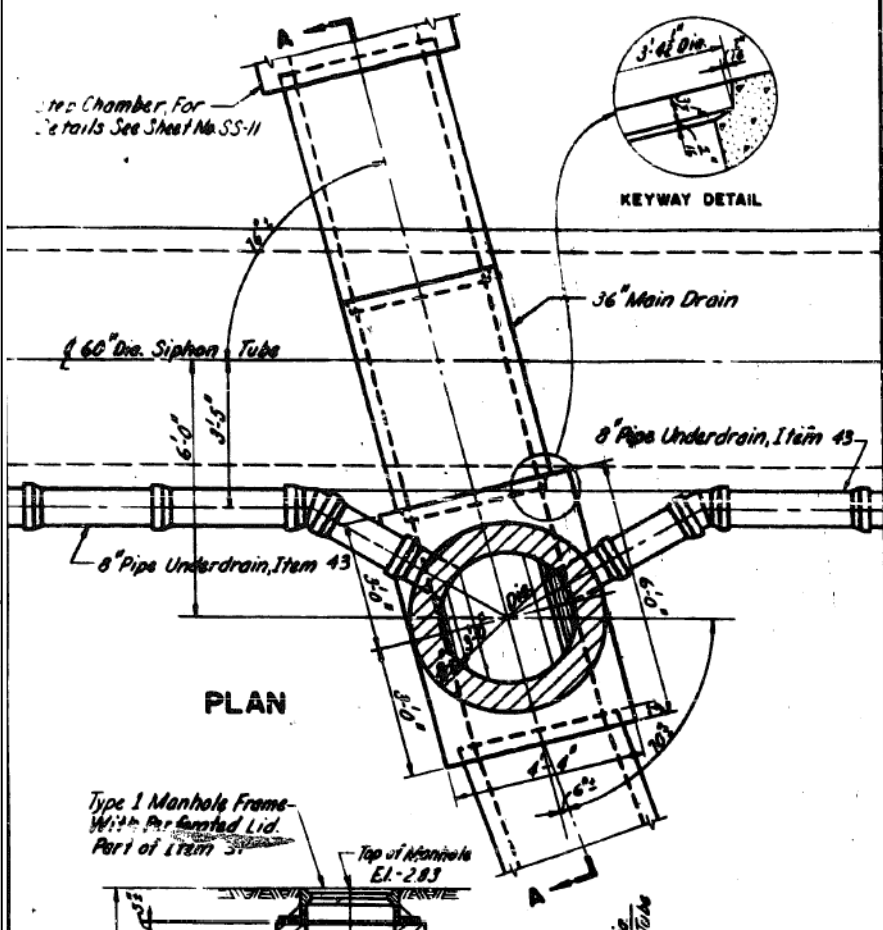
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS BUILT SIPHON PLANS
VAN BUREN STREET

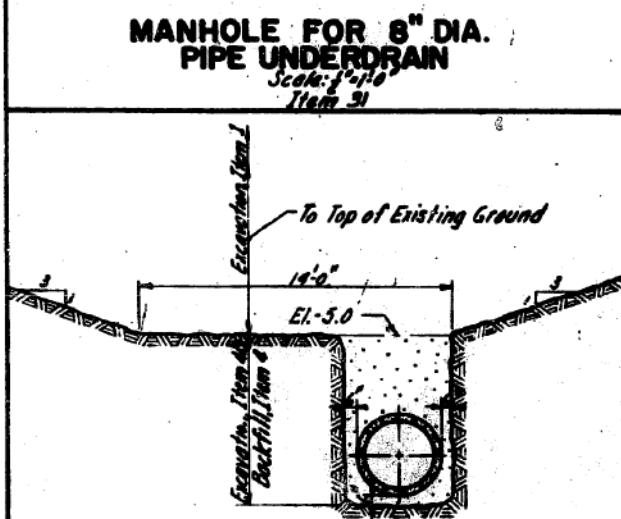
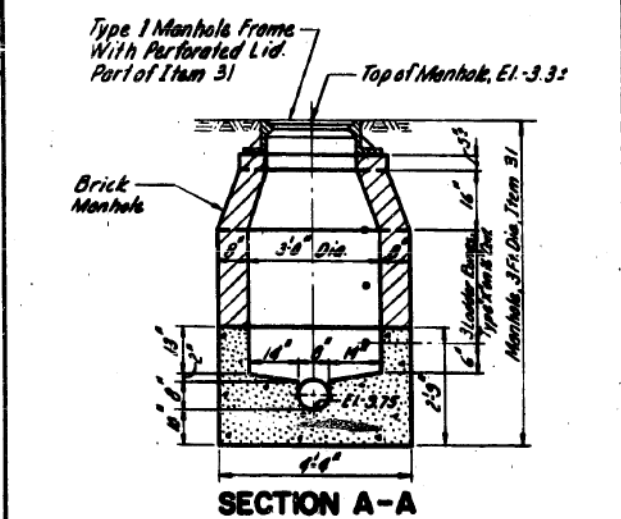
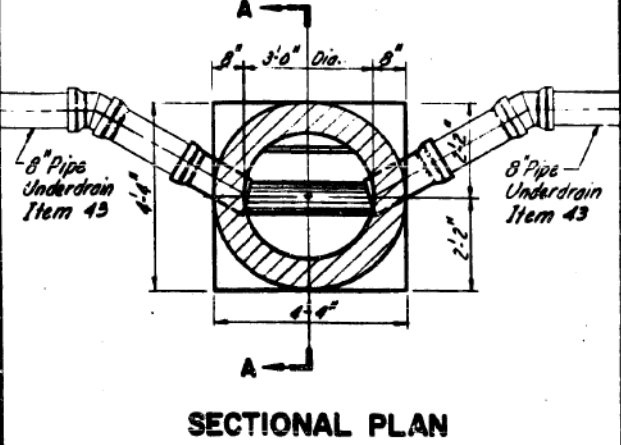
SCALE: NONE SHEET 4 OF 42 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-D19R	COOK	2155	779
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
P.A.I. 2	01012-1B	COOK	44	10
PLOT SCALE = 1/8" = 1'-0"		PROJECT [02-100]		

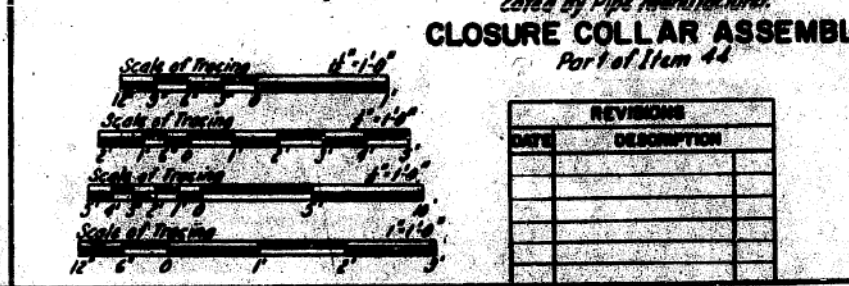
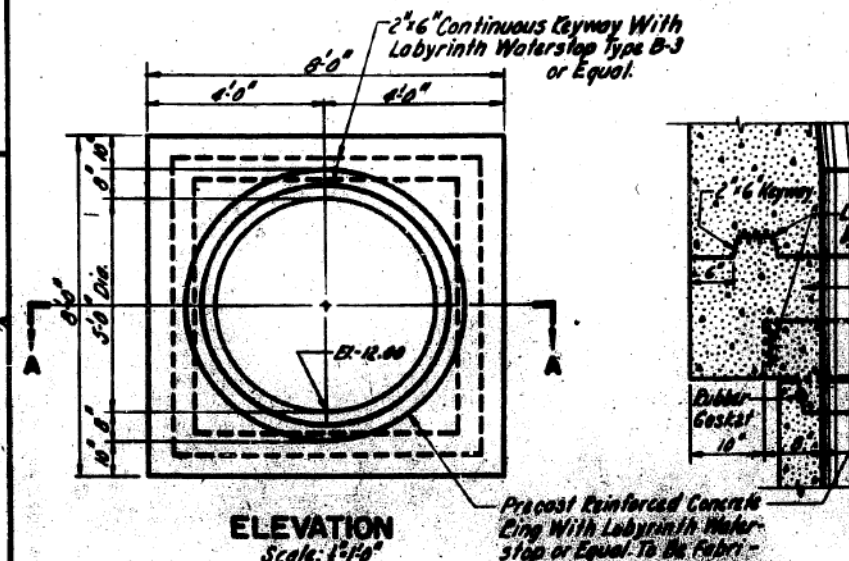
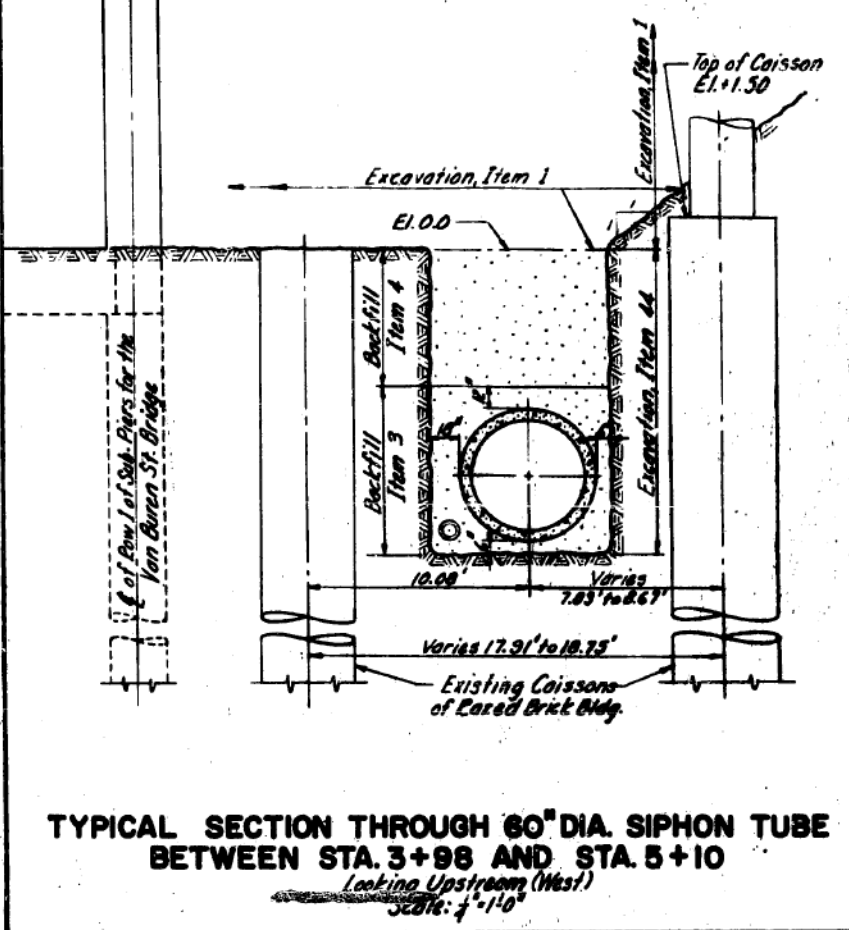


DRAWN BY C.R. Jansson
 TRACED BY D.R. Jansson
 CHECKED BY G.L. Miller
 EXAMINED BY D.H. Churchill
 Engineer of Sewer Design

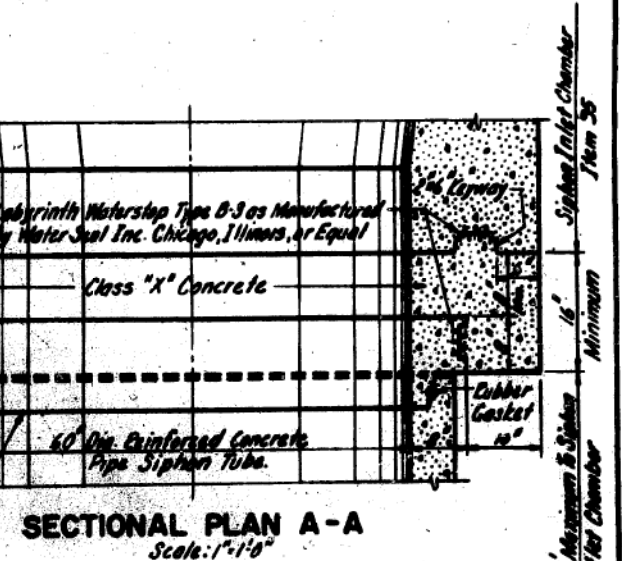
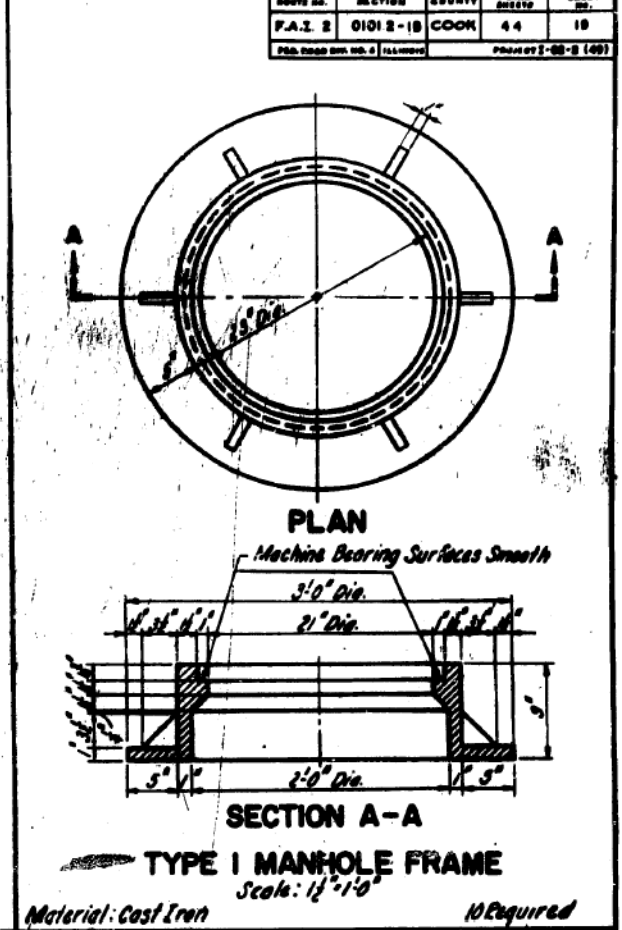


DESIGNED -
 DRAWN - BAW
 CHECKED - JMG
 DATE - 1/29/20

REVISED -
 REVISED -
 REVISED -
 REVISED -



REVISIONS	
DATE	DESCRIPTION



CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 SEWER PLANNING DIVISION

NORTHWEST ROUTE SUPERHIGHWAY
 VAN BUREN ST. BRIDGE - SECTION 01012-1B

SEWER SIPHON
 MISCELLANEOUS DETAILS

SCALE: AS SHOWN
 DATE: APRIL 1997

SHEET NO. 88-B OF 44 SHEETS



D162A76-sht-Ex-Siphon-05.dgn
 USER NAME = amkluver
 PLOT SCALE = 100.0000 / 1"
 PLOT DATE = 1/29/2020

DESIGNED -
 DRAWN - BAW
 CHECKED - JMG
 DATE - 1/29/20

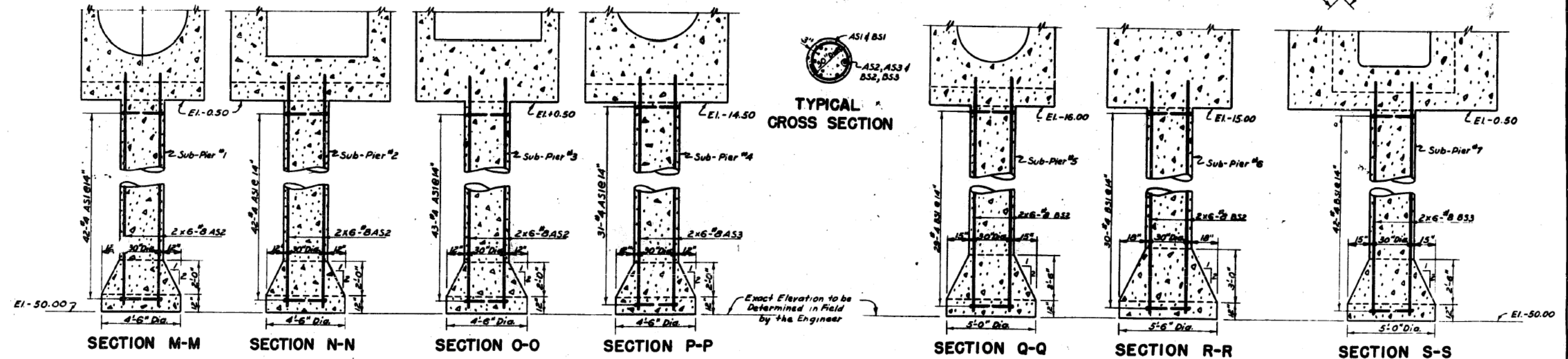
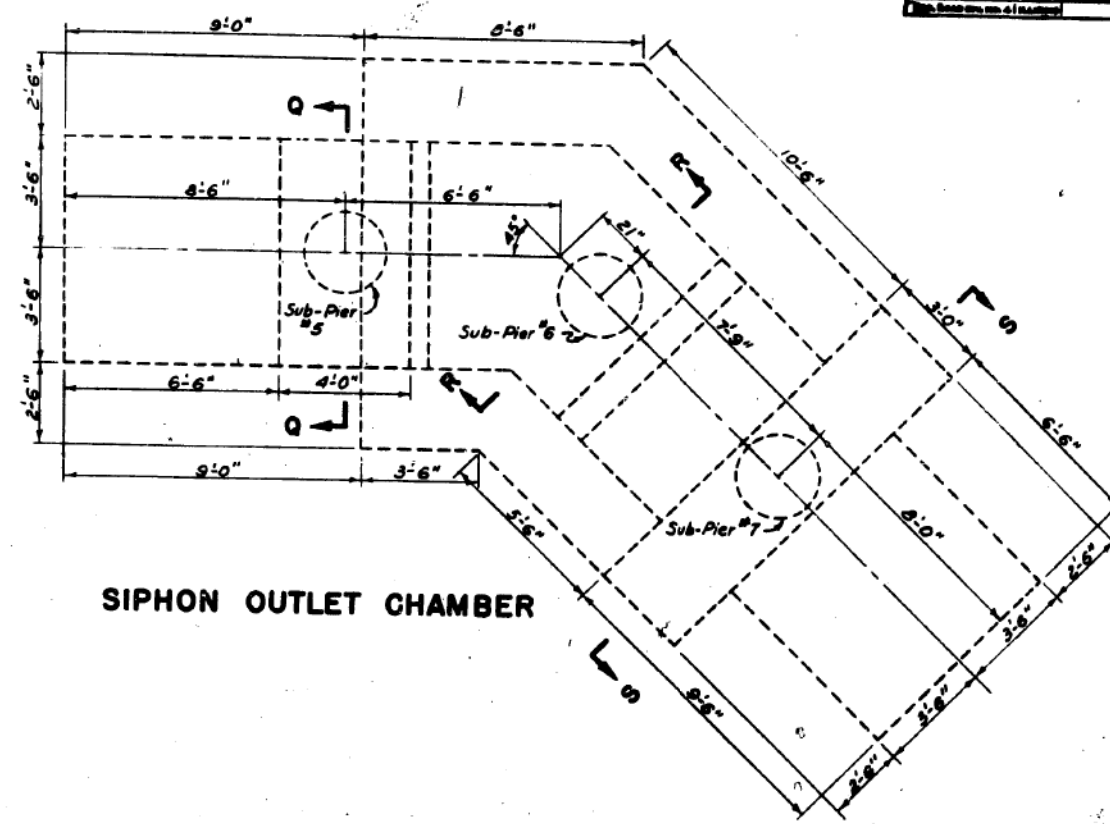
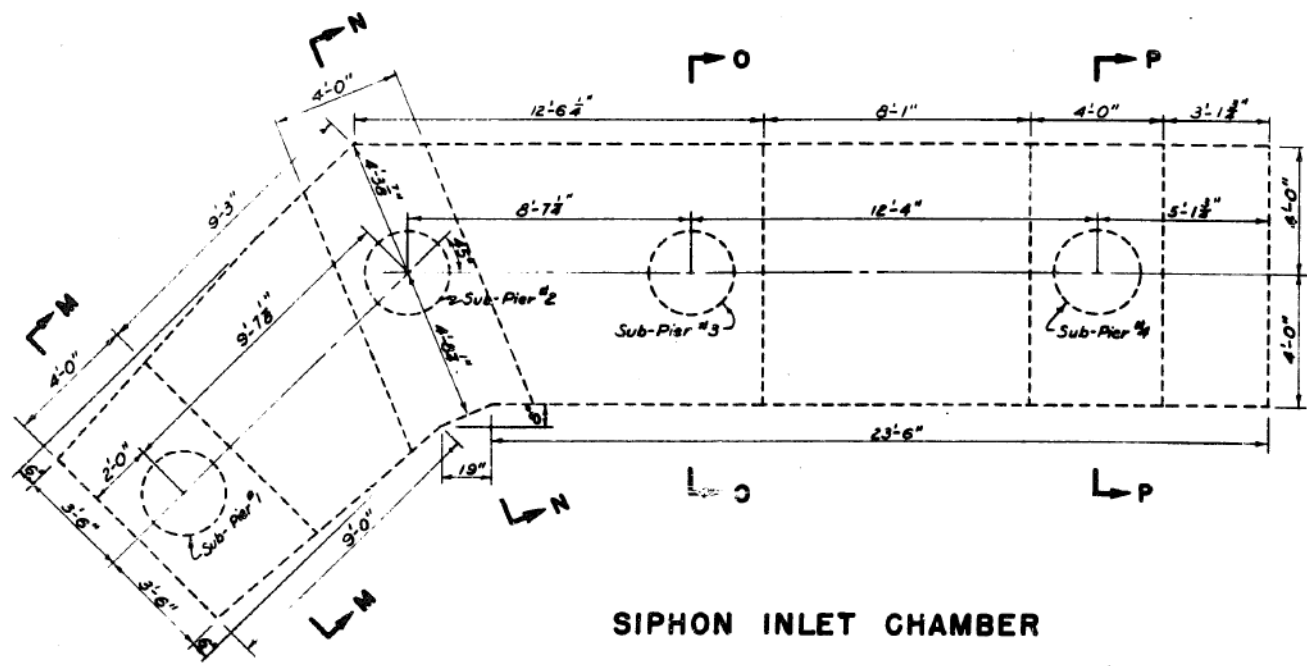
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

AS BUILT SIPHON PLANS
 VAN BUREN STREET

SCALE: NONE SHEET 5 OF 42 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-D19R	COOK	2155	780
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

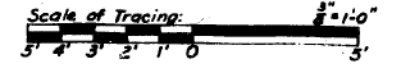


General Notes:
 All Monolithic Concrete Work in this Contract is to be Carried Out in Accordance with the Rules Outlined Below:
 1. All Abbreviations are in Accordance with A.C.I. Standards:
 2. Concrete Protection for Reinforcement Shall be:
 At Interior Surfaces _____ 2 1/2"
 At Exterior Surfaces _____ { Roof and Walls 2"
 Bottom Face of Floor 3"
 3. All Laps in Continuous Reinforcement Shall be Not Less than 24 Diameters.
 4. Construction Joints May Not be Changed Without the Approval of the Engineer.

Note:
 For Additional Details of the Siphon See Sheets No 557 to 5510
 For Bar List See Sheet No. 5510

DRAWN BY: B. CORRADO
 TRACED BY: H. DND
 CHECKED BY: G. RATHLING
 EXAMINED BY: S. RATHLING
 Engineer of Sewer Structures

REVISIONS	
DATE	DESCRIPTION



CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 SEWER PLANNING DIVISION
**NORTHWEST ROUTE SUPERHIGHWAY
 VAN BUREN ST. BRIDGE - SECTION 0101.2-1B
 INLET CHAMBER & OUTLET CHAMBER
 SUB-PIER PLAN**
 SCALE: AS SHOWN
 DATE: APRIL 1957 SHEET NO. 55-6 OF 44 SHEETS

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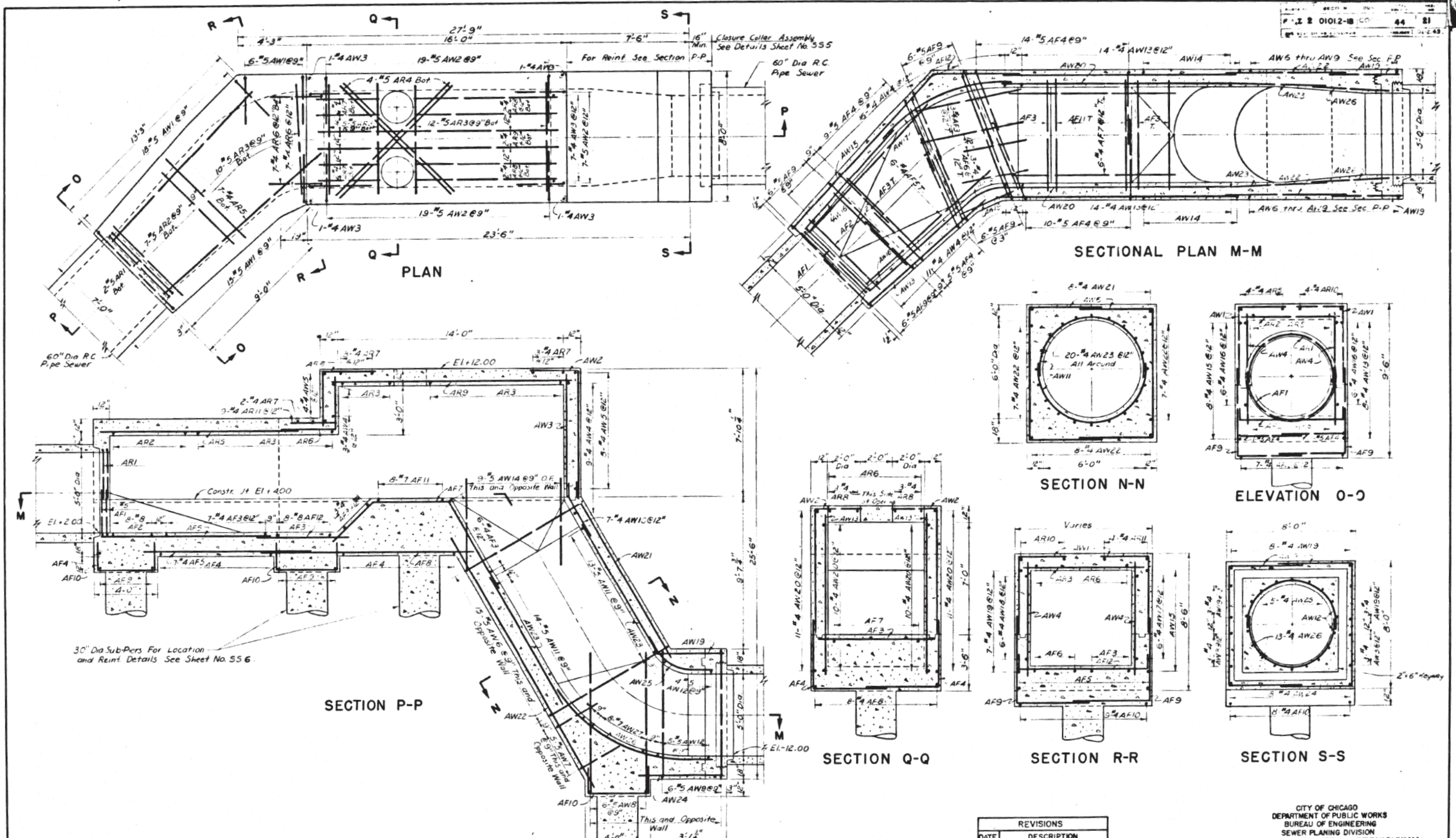
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PLOT DATE = 1/29/2020	DATE - 1/29/20	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

AS BUILT SIPHON PLANS
 VAN BUREN STREET

SCALE: NONE SHEET 6 OF 42 SHEETS STA. TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-D19R	COOK	2155	781
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				



DRAWN BY P. Corrado
 TRACED BY H. Cui
 CHECKED BY G. Rathling
 EXAMINED BY S. Rucklins
 Engineer of Sewer Structures

Note:
 For Additional Details of the Structure See Sheet No. 552
 For General Notes See Sheet No. 556
 For Bar List See Sheet No. 5510



REVISIONS	
DATE	DESCRIPTION

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 SEWER PLANNING DIVISION
**NORTHWEST ROUTE SUPERHIGHWAY
 VAN BUREN ST. BRIDGE - SECTION 01012-1B
 SIPHON INLET CHAMBER
 REINFORCEMENT**
 SCALE: AS SHOWN
 DATE: _____ SHEET NO. 55-7 OF 44 SHEETS



D162A76-sht-Ex-Siphon-07.dgn
 USER NAME = amkluver
 PLOT SCALE = 100.0000' / 1"
 PLOT DATE = 1/29/2020

DESIGNED -
 DRAWN - BAW
 CHECKED - JMG
 DATE - 1/29/20

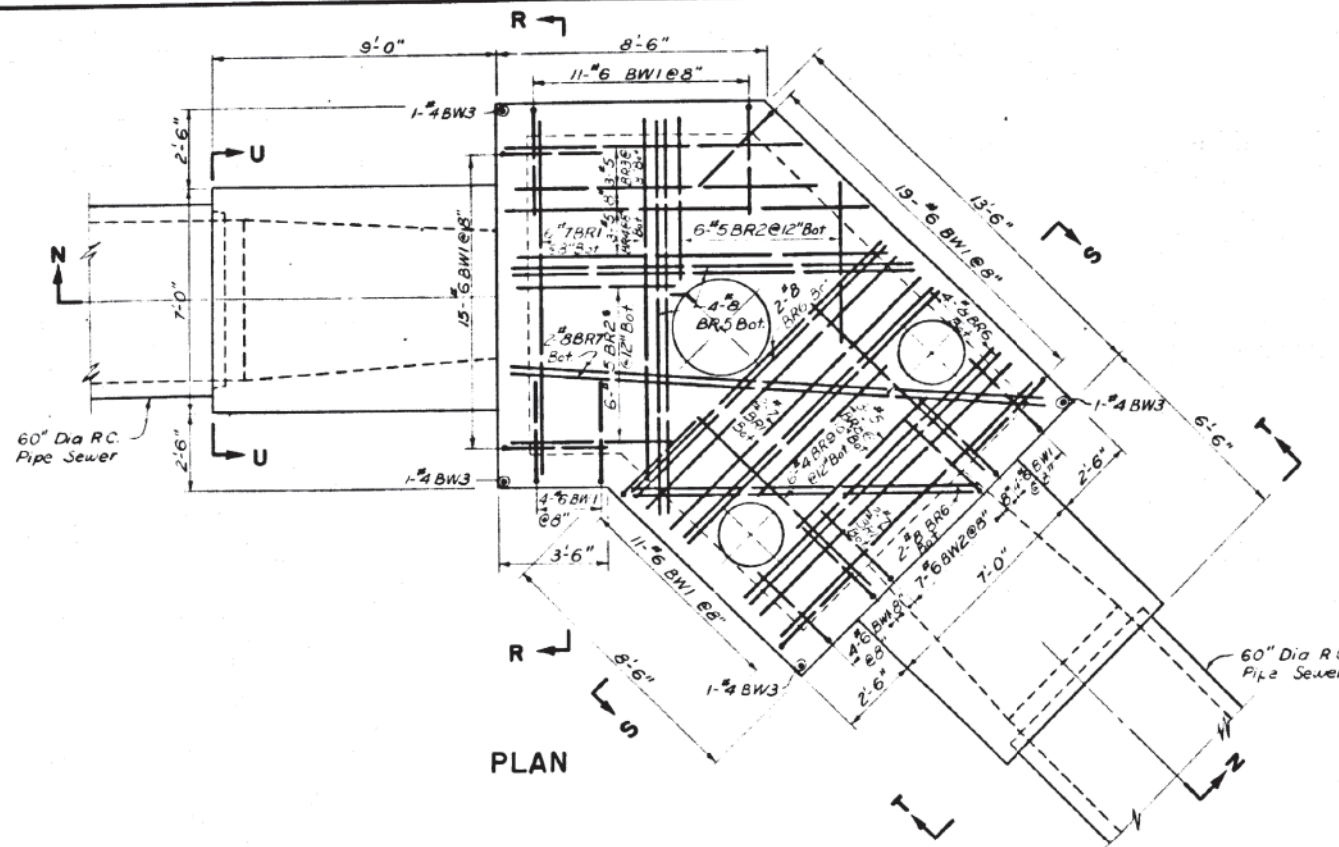
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

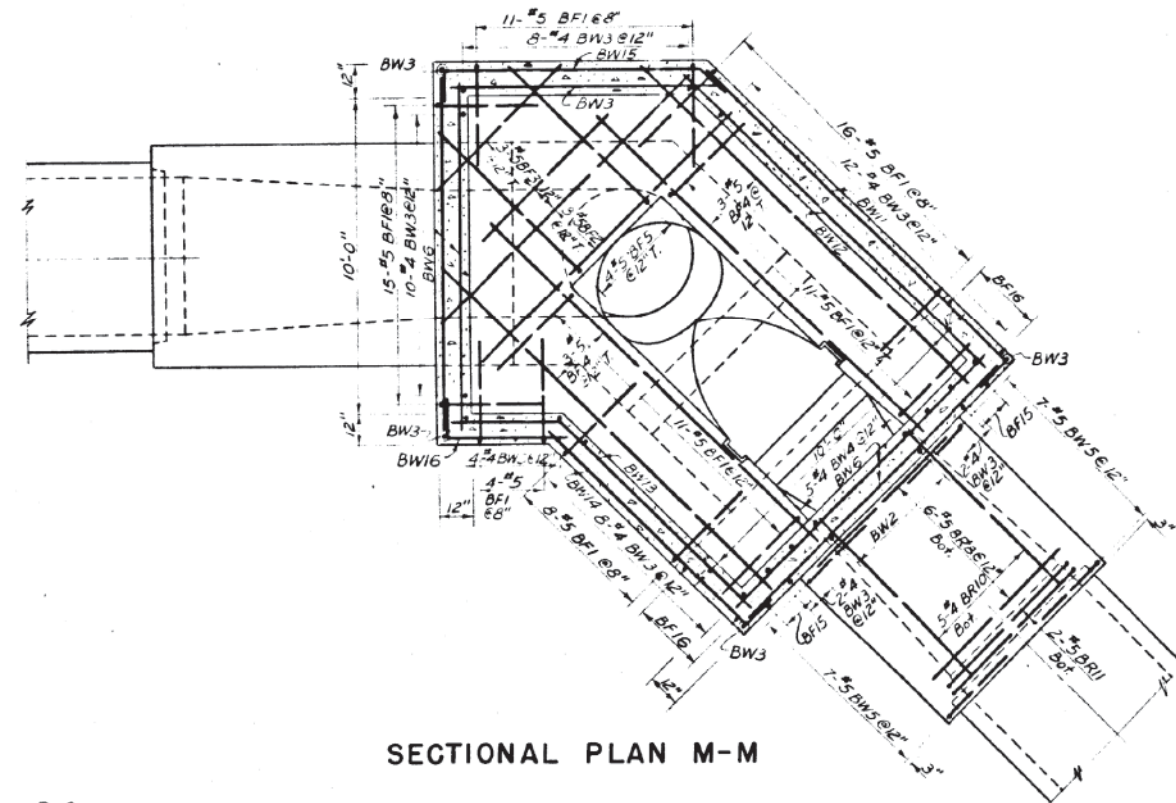
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 VAN BUREN STREET

SCALE: NONE SHEET 7 OF 42 SHEETS STA. TO STA.

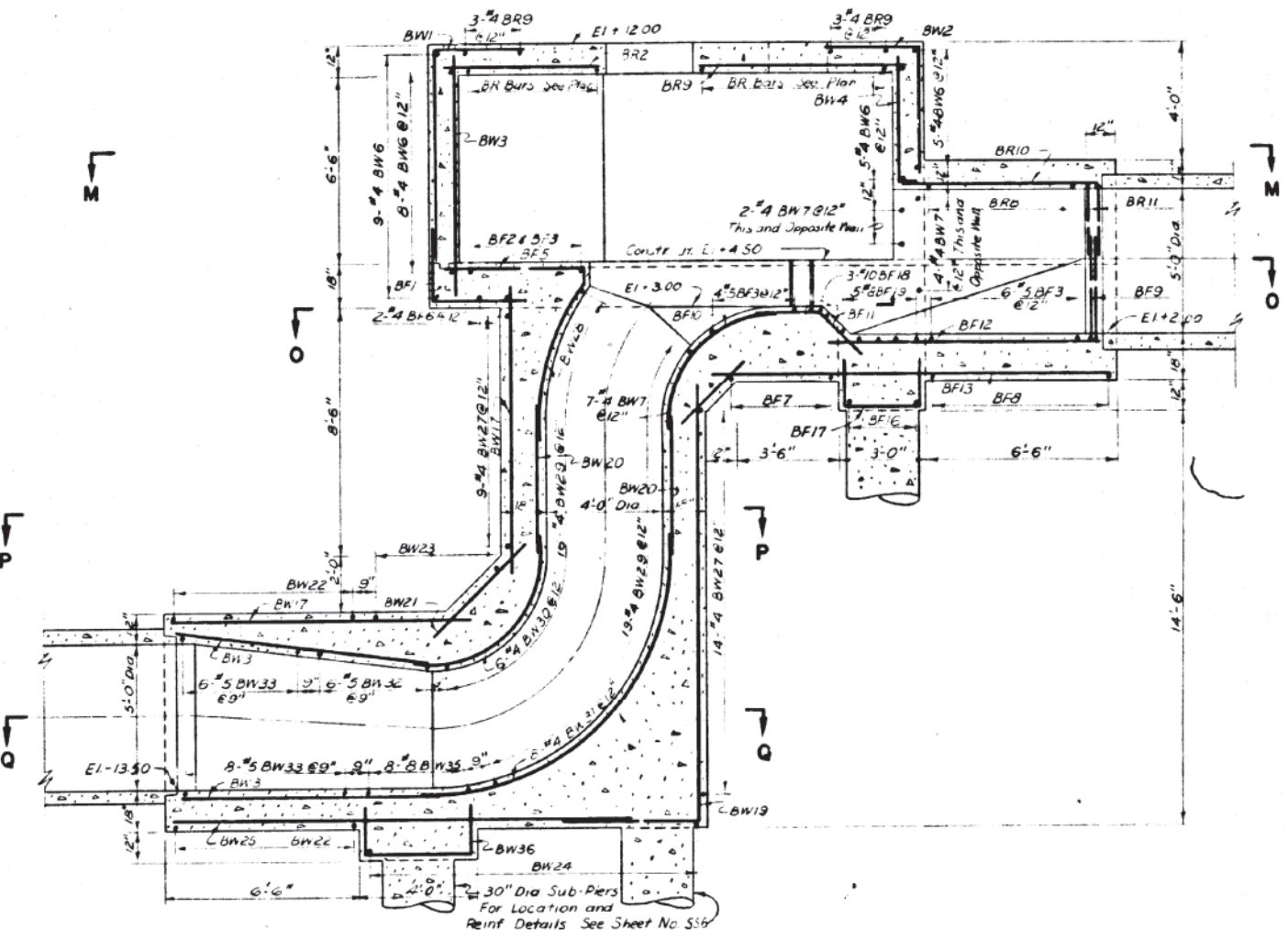
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90/94/290	2015-D19R	COOK	2155	782
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				



PLAN



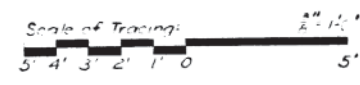
SECTIONAL PLAN M-M



SECTION N-N

DRAWN BY P. Carrizo
 TRACED BY H. Oro
 CHECKED BY S. Rathling
 EXAMINED BY S. Rathling
 Engineer of Sewer Structures

Note:
 For Additional Details of the Structure See Sheets No. 553 & 554
 For General Notes See Sheet No. 556
 For Sections O-O Thru U-U See Sheet No. 559
 For Bar List See Sheet No. 5510



REVISIONS	
DATE	DESCRIPTION

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 SEWER PLANNING DIVISION
 NORTHWEST ROUTE SUPERHIGHWAY
 VAN BUREN ST BRIDGE - SECTION 0102-1B
 SIPHON OUTLET CHAMBER
 REINFORCEMENT
 SCALE: AS SHOWN
 DATE: SHEET NO 55-8 OF 44 SHEETS

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D162A76-sht-Ex-Siphon-08.dgn	DESIGNED -	REVISED -
USER NAME = amkluver	DRAWN - BAW	REVISED -
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PLOT DATE = 1/29/2020	DATE - 1/29/20	REVISED -

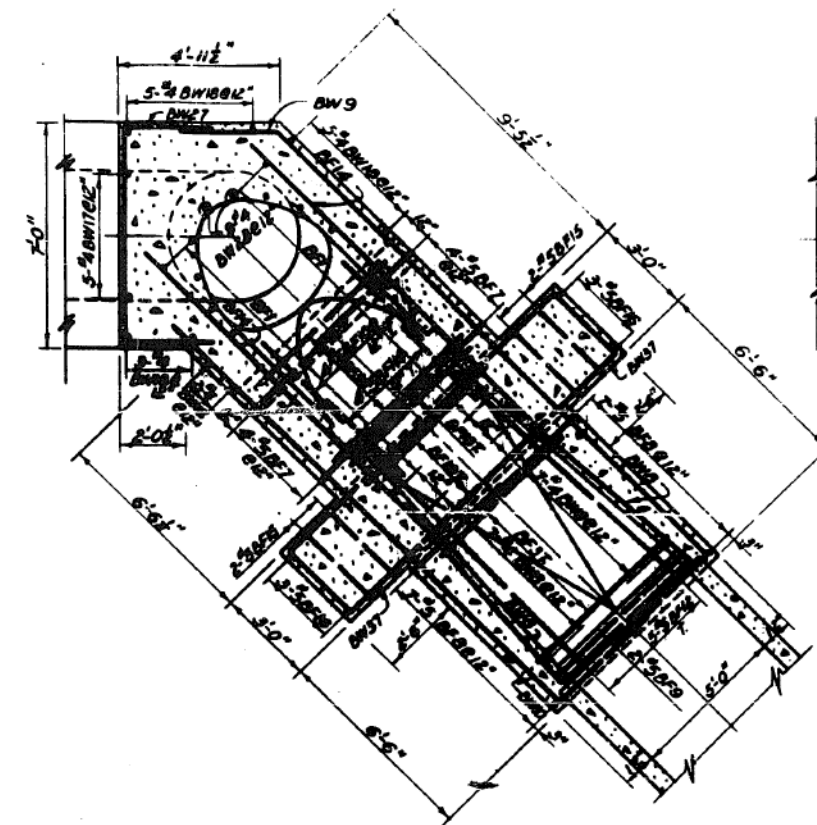
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

AS BUILT SIPHON PLANS			
VAN BUREN STREET			
SCALE: NONE	SHEET 8	OF 42 SHEETS	STA. TO STA.

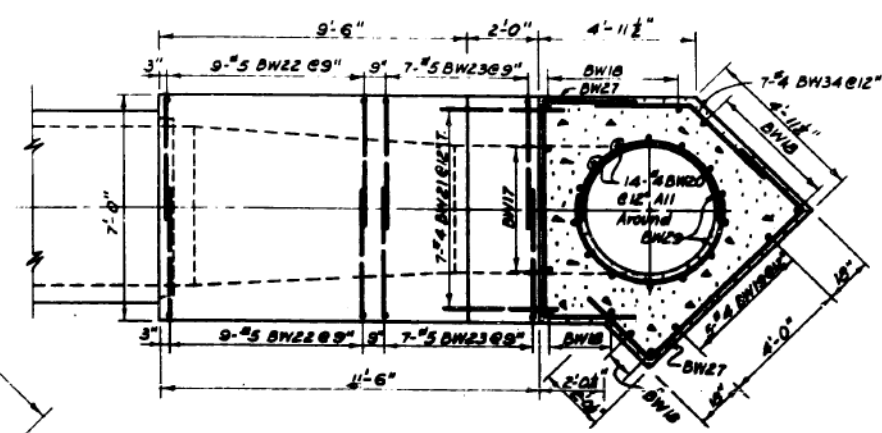
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ILLINOIS FED. AID PROJECT				

CONTRACT NO. 62A76

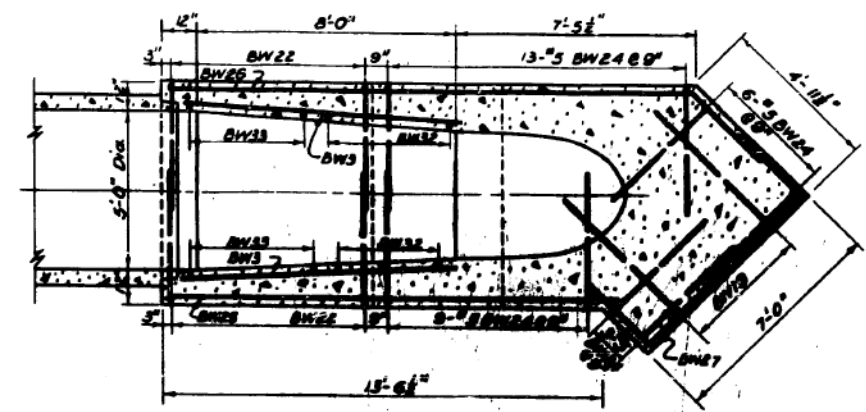
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R.A.I. 2 01012-1B	COOK	44	23
DATE: APRIL 1987		SHEET NO. 88-9 OF 44 SHEETS	



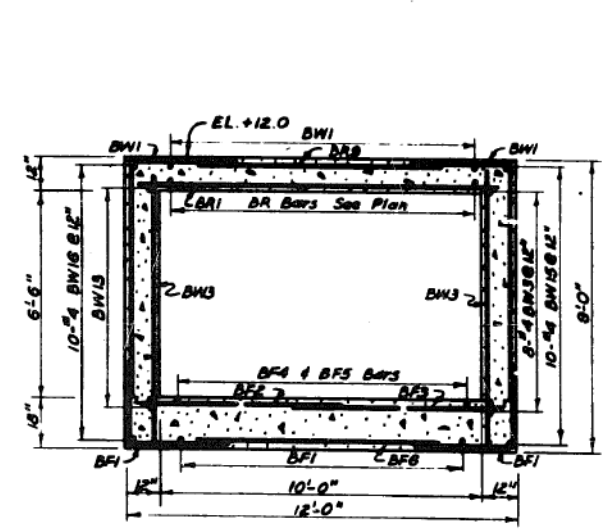
SECTIONAL PLAN O-O



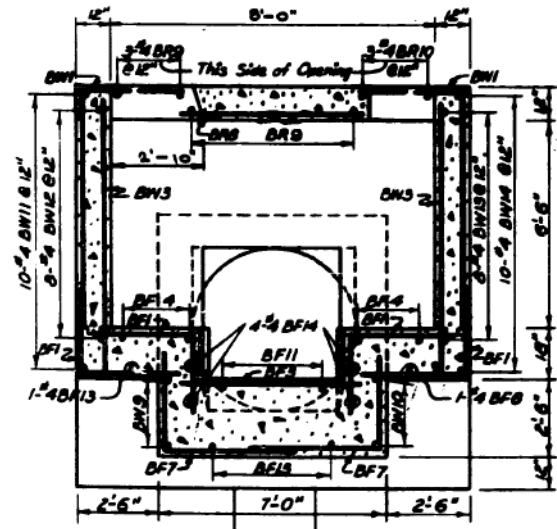
SECTIONAL PLAN P-P



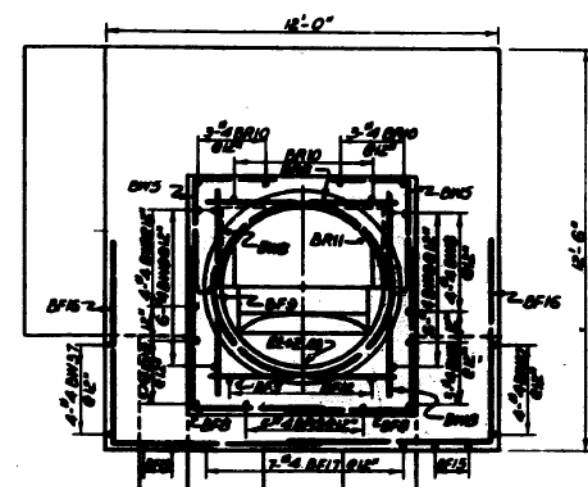
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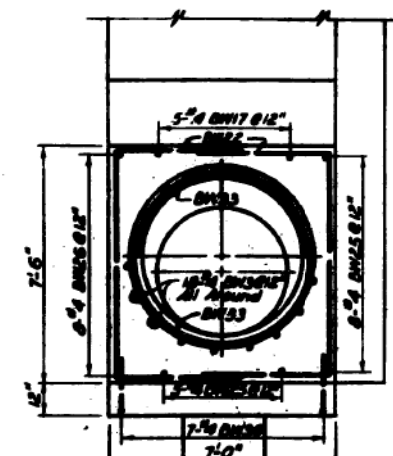
SECTION R-R



SECTION S-S



ELEVATION T-T



ELEVATION U-U

DRAWN BY R. Carrada
 TRACED BY H. Ogo
 CHECKED BY G. RATHLING
 EXAMINED BY J. Rathling
 Engineer of Sewer Structures

Note:
 For Location of Sections O-O Thru U-U and
 Additional Notes See Sheet No. 55D



REVISIONS	
DATE	DESCRIPTION

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 SEWER PLANNING DIVISION
 NORTHWEST ROUTE SUPERHIGHWAY
 VAN BUREN ST BRIDGE-SECTION 01012-1B
 SIPHON OUTLET CHAMBER
 REINFORCEMENT
 SCALE: AS SHOWN
 DATE: APRIL 1987 SHEET NO. 88-9 OF 44 SHEETS

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D162A76-sht-Ex-Siphon-09.dgn
 USER NAME = amkluver
 PLOT SCALE = 100.0000 / 1 in.
 PLOT DATE = 1/29/2020

DESIGNED -
 DRAWN - BAW
 CHECKED - jmg
 DATE - 1/29/20

REVISED -
 REVISED -
 REVISED -
 REVISED -

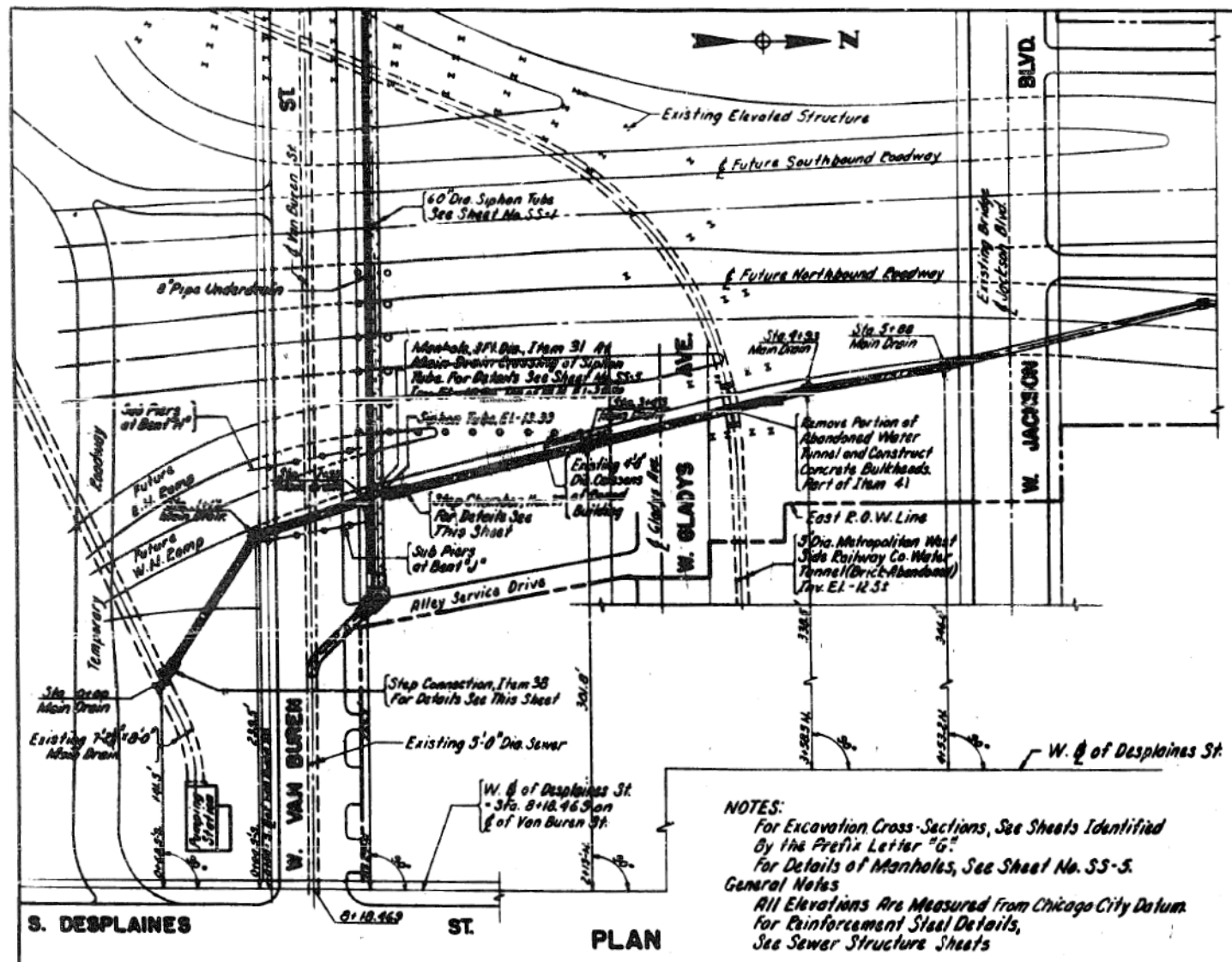
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

AS BUILT SIPHON PLANS
 VAN BUREN STREET

SCALE: NONE SHEET 9 OF 42 SHEETS STA. TO STA.

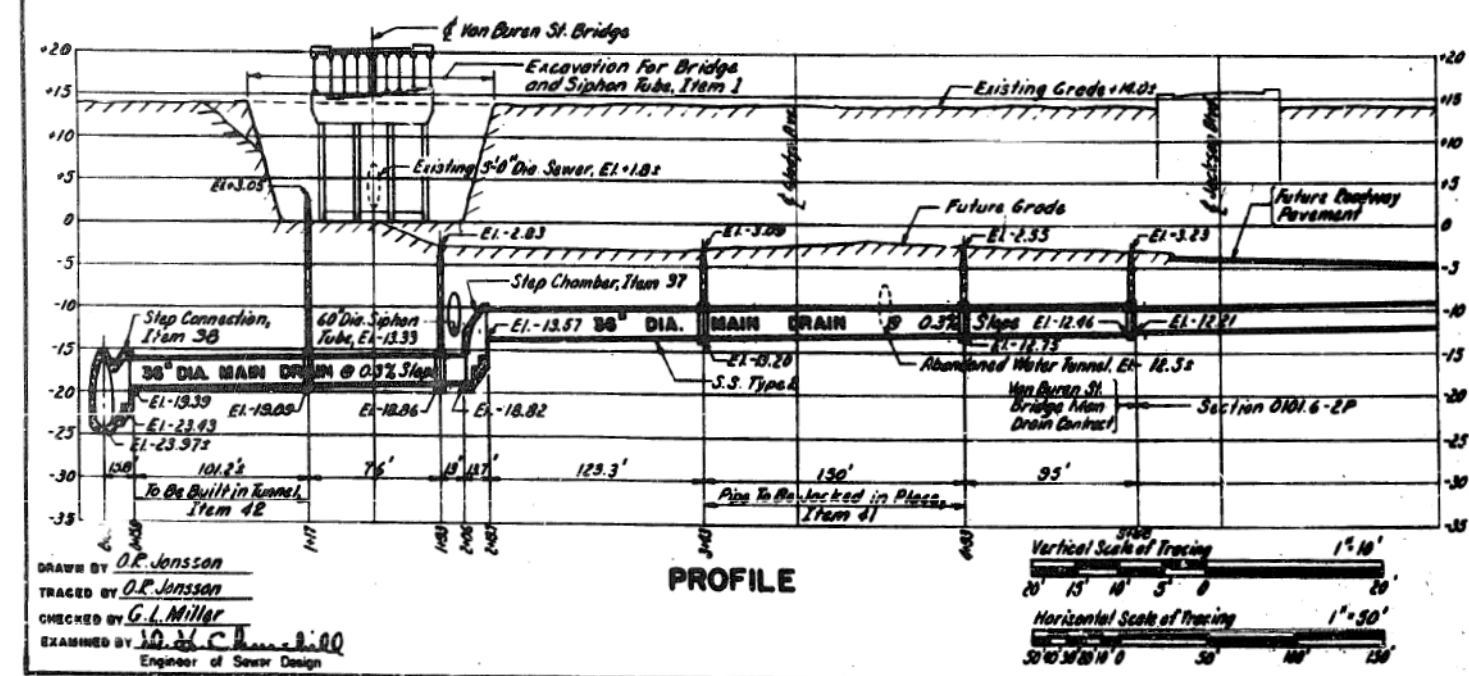
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90/94/290	2015-D19R	COOK	2155	784
CONTRACT NO. 62A76			ILLINOIS FED. AID PROJECT	

DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 2	DIOL 2	COOK	44	22

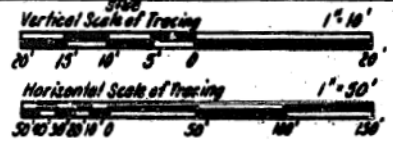


PLAN

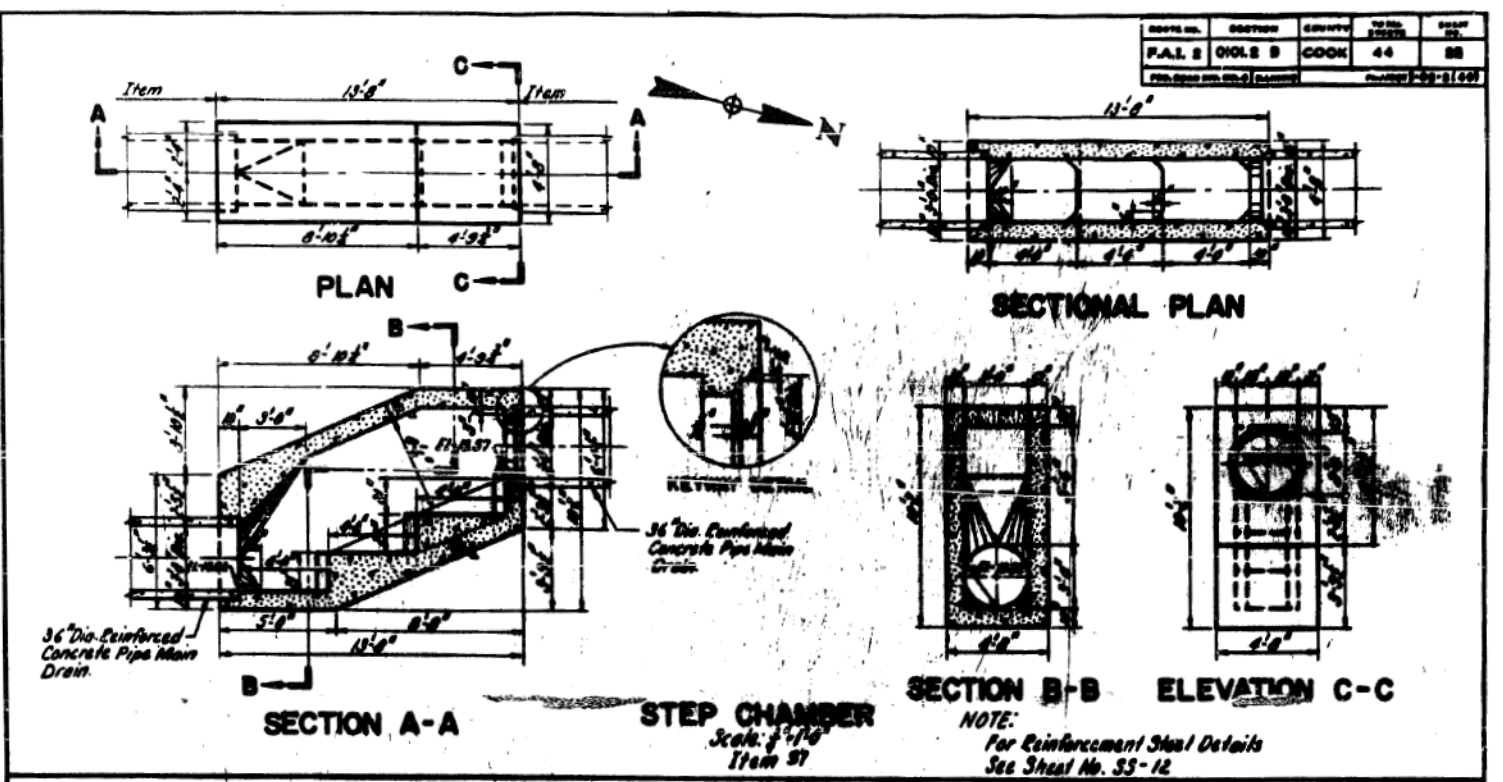
NOTES:
 For Excavation Cross Sections, See Sheets Identified by the Prefix Letter "G"
 For Details of Manholes, See Sheet No. SS-5.
 General Notes
 All Elevations Are Measured From Chicago City Datum
 For Reinforcement Steel Details, See Sewer Structure Sheets



PROFILE



DRAWN BY: O.R. Jonsson
 TRACED BY: O.R. Jonsson
 CHECKED BY: G.L. Miller
 EXAMINED BY: J.D. [Signature]
 Engineer of Sewer Design



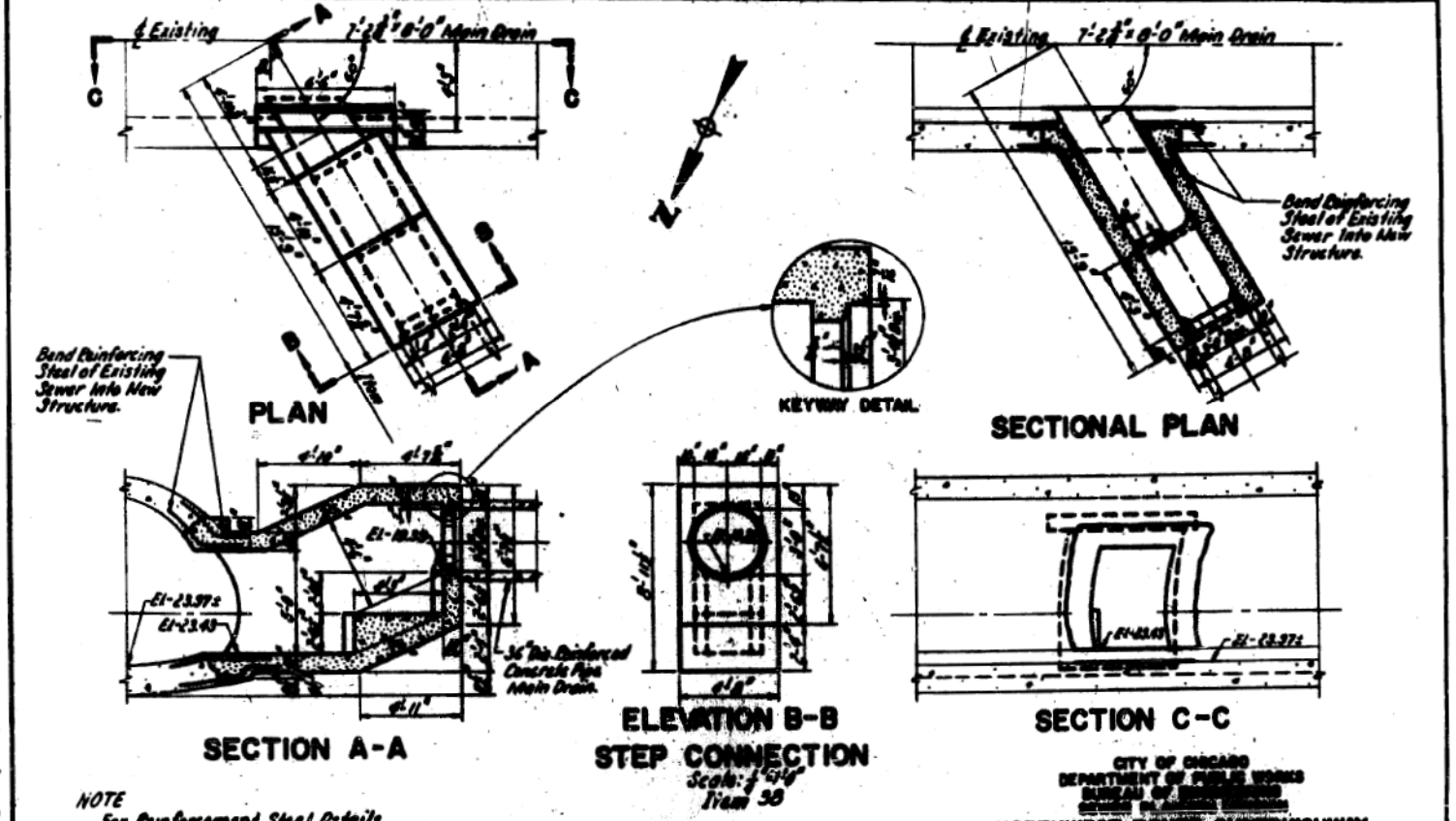
SECTION A-A

STEP CHAMBER

SECTION B-B

ELEVATION C-C

NOTE:
 For Reinforcement Steel Details See Sheet No. SS-12



PLAN

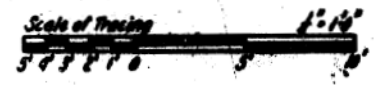
SECTION A-A

ELEVATION B-B

SECTIONAL PLAN

SECTION C-C

NOTE:
 For Reinforcement Steel Details See Sheet No. SS-12



REVISIONS	
DATE	DESCRIPTION

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 NORTHWEST ROUTE SUPERHIGHWAY
 VAN BUREN ST. BRIDGE - SECTION G102-1B
**MAIN DRAIN
 PLAN & PROFILE AND
 CONNECTING STRUCTURES**
 SCALE: AS SHOWN
 DATE: APRIL 1967
 SHEET NO. 22-11 OF 44 SHEETS

FILE PATH = p:\v\ecdm\m-n\st\seccom\line\local\ecdm\0502\m\Documents\01\America\Transportation\60269938 Circle Phase II\0200_CAD\005_Roadway_Sheets\62A76-Ex-Siphon-11.dgn



D162A76-sht-Ex-Siphon-11.dgn
 USER NAME = amkluver
 PLOT SCALE = 100.0000 / 1
 PLOT DATE = 1/29/2020

DESIGNED -	REVISOR -
DRAWN - BAW	REVISION -
CHECKED - JMG	REVISION -
DATE - 1/29/20	REVISION -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

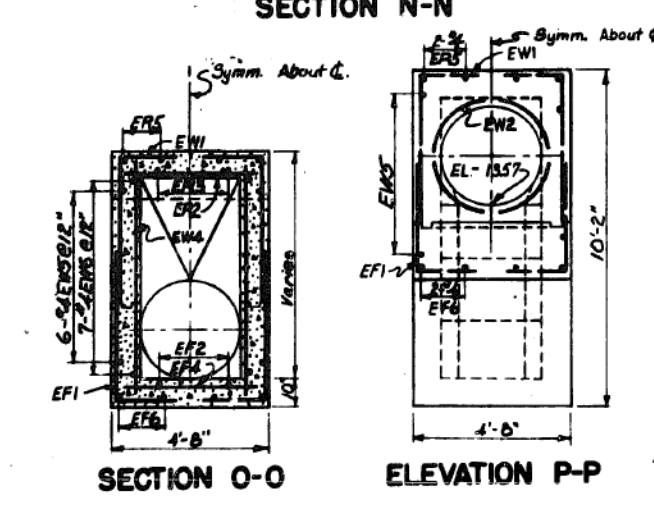
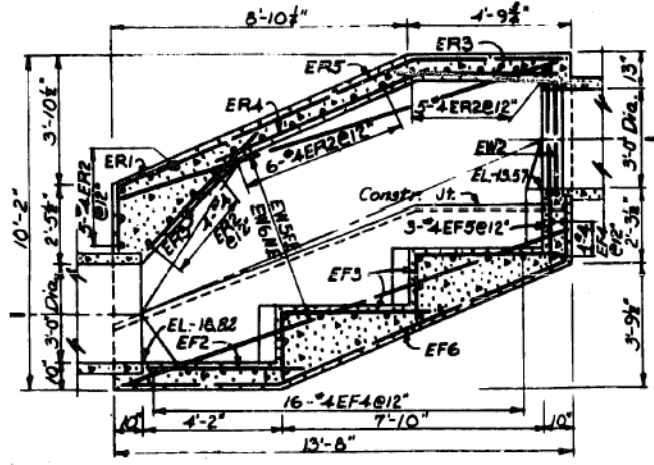
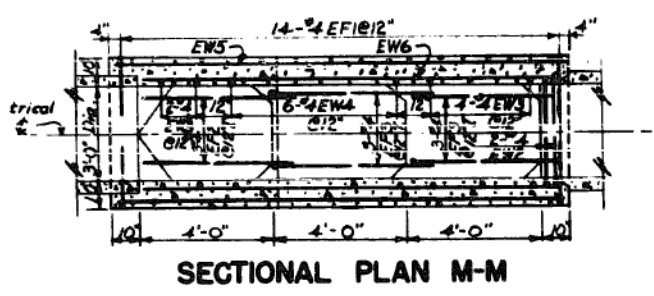
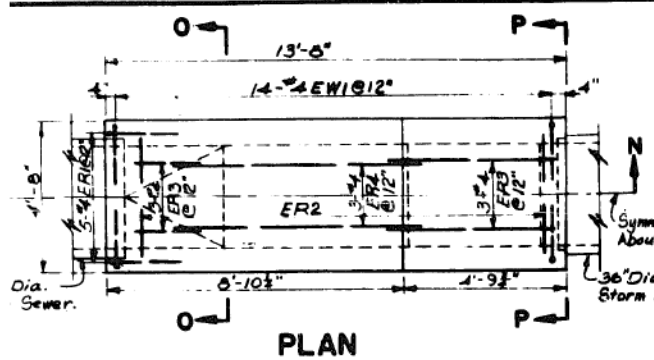
AS BUILT SIPHON PLANS
 VAN BUREN STREET

SCALE: NONE SHEET 11 OF 42 SHEETS STA. TO STA.

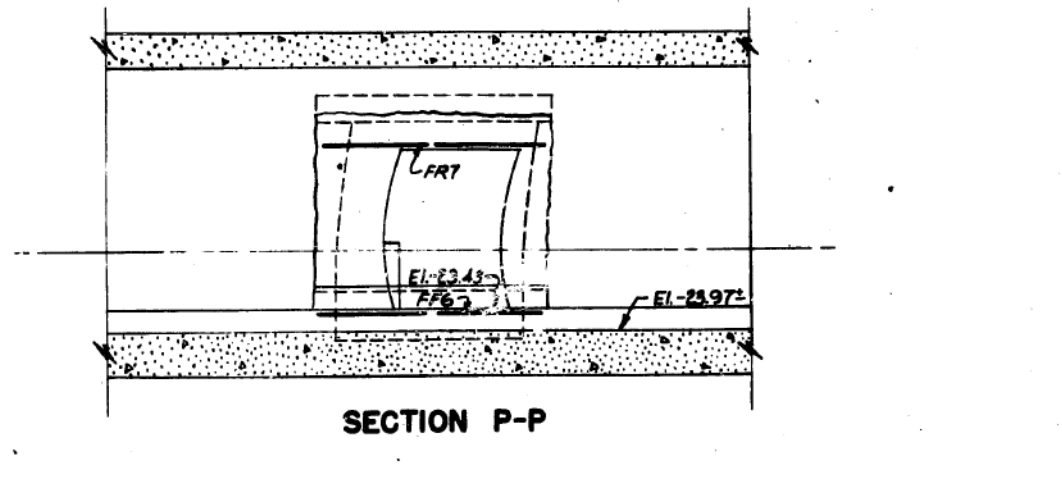
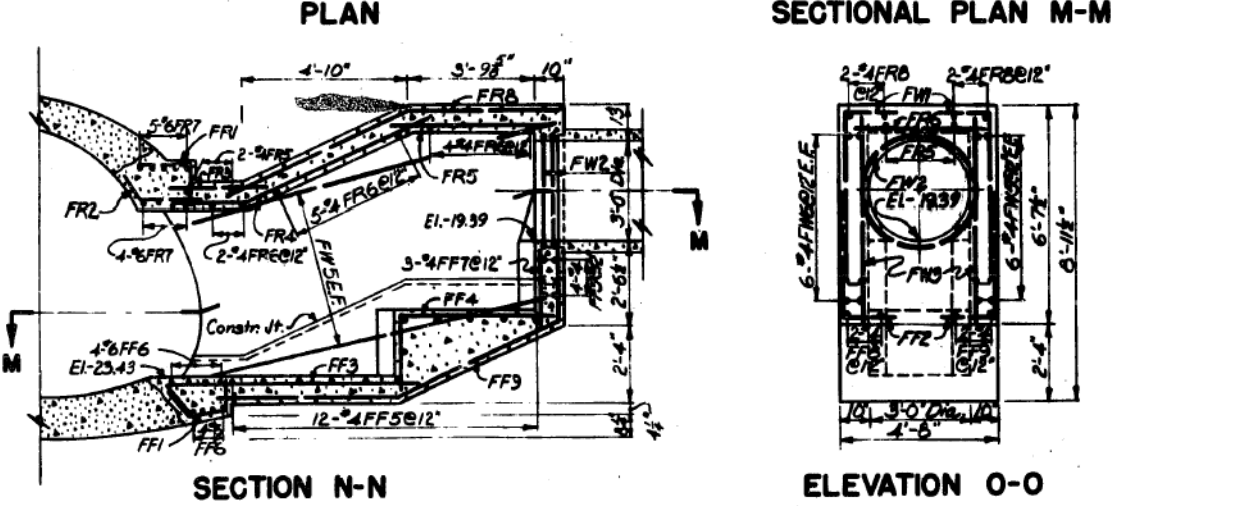
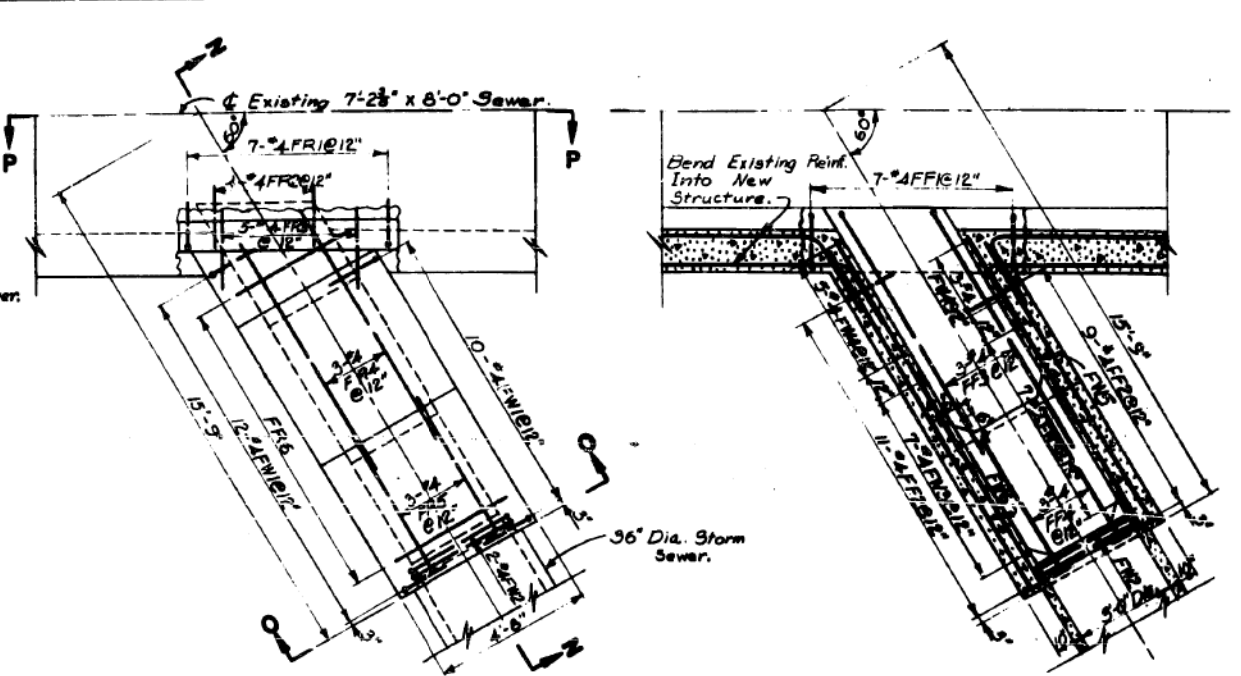
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-D19R	COOK	2155	786
ILLINOIS FED. AID PROJECT				CONTRACT NO. 62A76

SCHEDULE OF REINFORCEMENT-ITEM 7

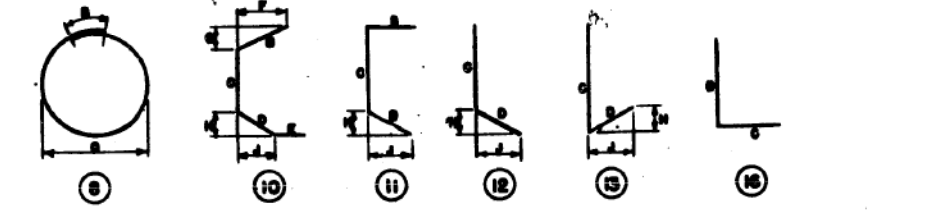
STRUCTURE	REINFORCEMENT BAR							BENDING DIMENSIONS												
	MARK	SIZE	TYPE	LENGTH	NO. REQD	WEIGHT - LBS. EACH	TOTAL	A	B	C	D	E	F	G	H	J	K	O	R	
Step Chamber	ER1	4	R	1'-0"	5	2.67	13												92"	22"
	ER2	4	R	1'-0"	20	2.67	53													
	ER3	4	R	1'-0"	6	3.17	19													
	ER4	4	R	7'-0"	3	4.68	14													
	ER5	4	R	13'-0"	4	6.66	26													
	EW1	4	R	6'-0"	20	4.01	80													
	EW2	4	R	11'-11"	2	7.96	16													
	EW3	4	R	6'-0"	12	4.01	48													
	EW4	4	R	7'-0"	12	4.68	56													
	EW5	4	R	15'-0"	12	9.35	112													
	EW6	4	R	13'-0"	14	6.66	92													
	EF1	4	R	6'-3"	20	4.18	84													
	EF2	4	R	4'-5"	3	3.01	9													
	EF3	4	R	6'-3"	6	4.34	26													
	EF4	4	R	4'-0"	20	2.67	53													
	EF5	4	R	2'-0"	3	1.34	4													
EF6	4	R	10'-9"	4	10.52	42														
							831													
Step Connection	FR1	4	R	2'-3"	7	1.84	13													
	FR2	4	R	2'-3"	4	1.84	7													
	FR3	4	R	2'-6"	3	1.67	6													
	FR4	4	R	8'-3"	3	5.51	17													
	FR5	4	R	4'-9"	5	3.17	16													
	FR6	4	R	4'-0"	11	2.67	29													
	FR7	6	R	4'-9"	9	9.39	85													
	FR8	4	R	10'-3"	4	7.01	28													
	FR9	4	R	6'-6"	22	4.34	96													
	FR10	4	R	11'-11"	2	7.96	16													
	FR11	4	R	7'-5"	14	4.68	65													
	FR12	4	R	6'-3"	6	4.18	24													
	FR13	4	R	10'-3"	12	7.01	84													
	FR14	4	R	11'-5"	12	7.96	96													
	FR15	4	R	2'-9"	7	1.84	13													
	FR16	4	R	3'-3"	20	3.51	70													
FR17	4	R	8'-9"	3	5.51	17														
FR18	4	R	7'-0"	3	4.68	14														
FR19	4	R	4'-0"	16	2.67	43														
FR20	6	R	6'-3"	6	9.39	54														
FR21	4	R	2'-3"	3	1.34	4														
FR22	4	R	10'-3"	2	9.52	19														
FR23	4	R	10'-9"	2	8.52	17														
							864													



STEP CHAMBER



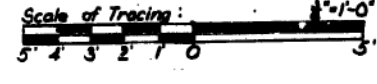
STEP CONNECTION



Note: All Dimensions are Out to Out of Bang, Except Radii 'R' for Bending are Given to Inside of Bar. Numbers in Circles Denote Bar Type.
 Bar Prefix Identification:
 R - Roof
 W - Wall
 F - Floor

BY G.W.M. & P.C.
 ED BY G.W. MILLER
 CKD BY G. RAYLIND
 INED BY J. RATHBING
 Engineer of Sewer Structures

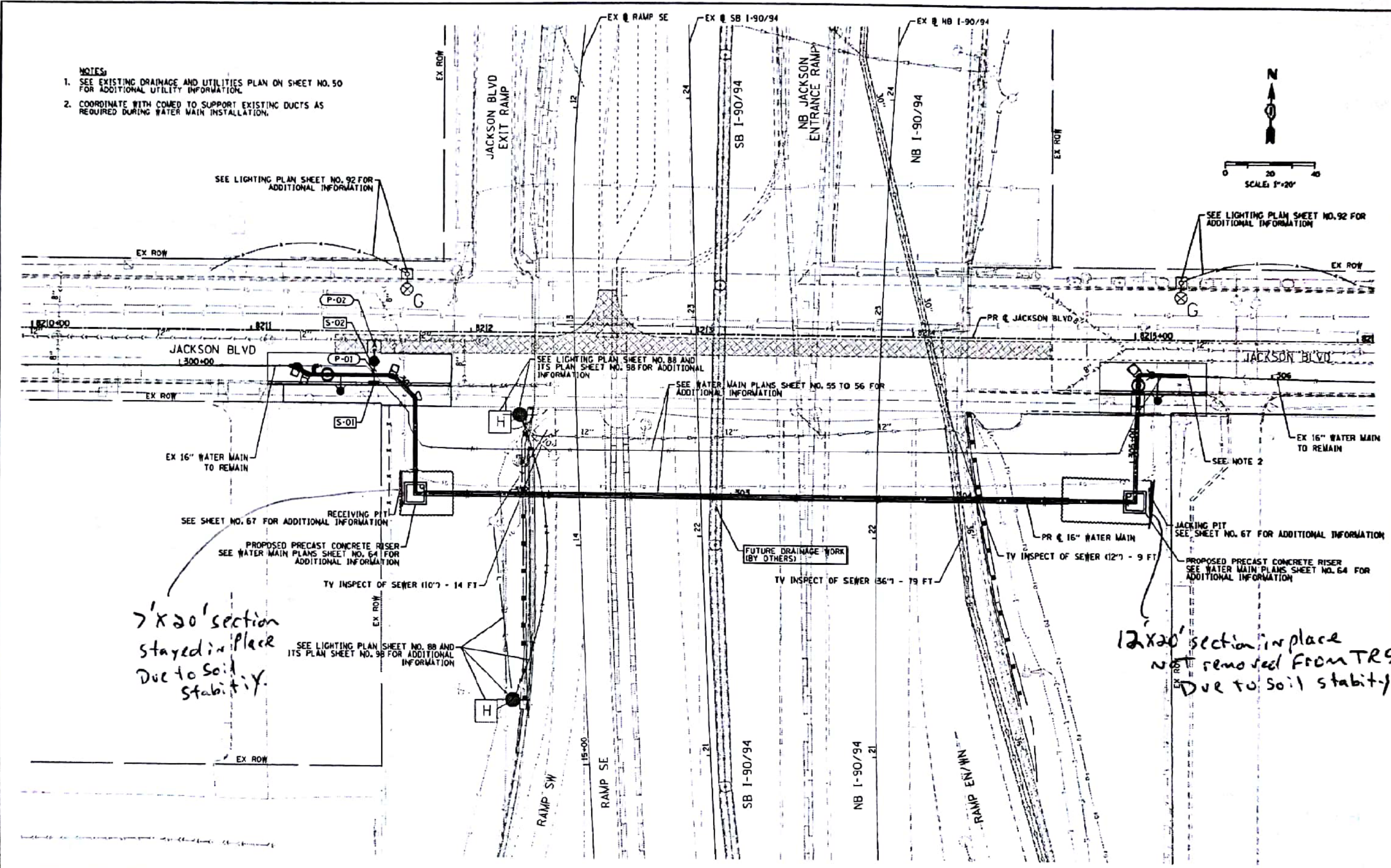
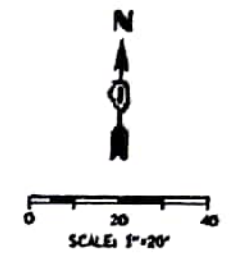
Notes:
 For Additional Details of the Structures See Sheet No. 5511.
 For General Notes See Sheet No. 556.
 For Bar List See This Sheet.



REVISIONS	
DATE	DESCRIPTION

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 SEWER PLANNING DIVISION
NORTHWEST ROUTE SUPERHIGHWAY
VAN BUREN ST. BRIDGE-SECTION CIO.2-18
STORM SEWER
CONNECTING STRUCTURES
 SCALE: AS SHOWN
 DATE: APRIL, 1957 SHEET NO. 55-12 OF 44 SHEETS

- NOTES:**
1. SEE EXISTING DRAINAGE AND UTILITIES PLAN ON SHEET NO. 50 FOR ADDITIONAL UTILITY INFORMATION.
 2. COORDINATE WITH COMED TO SUPPORT EXISTING DUCTS AS REQUIRED DURING WATER MAIN INSTALLATION.



DESIGNED - AFC	REVISED -
DRAWN - AFC	REVISED -
CHECKED - WJE	REVISED -
DATE - 03/21/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE AND UTILITIES PLAN
JACKSON BOULEVARD
SCALE: 1" = 20' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-021-1	COOK	193	51
CONTRACT NO. 62A76				



DESIGNED -	REVISED -
DRAWN - NLD	REVISED -
CHECKED - JMG	REVISED -
DATE - 1/29/20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING WATER MAIN PLANS
JACKSON BOULEVARD
SCALE: NONE SHEET 13 OF 42 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-D19R	COOK	2155	788
CONTRACT NO. 62A76				

FILE PATH = P:\AECOM\N-A\51\electrom\line\local\AECOM_DS02_IL\0200_CAD\006_Roadway_Sheets\62A76_Contract\0162A76-SHT-WATERMAIN-01.dgn
 USER NAME = amkluver
 PLOT SCALE = 100.0000' / in.
 PLOT DATE = 1/29/2020

WATER MAIN GENERAL NOTES:



1. LOCATION OF UTILITIES AND PROPERTY LINES ARE FROM THE BEST INFORMATION AVAILABLE. EXACT LOCATION AND COMPLETENESS ARE NOT GUARANTEED.
2. THE CONTRACTOR SHALL VERIFY THE LOCATION OF UNDERGROUND UTILITIES WITH THE UTILITY OWNERS PRIOR TO DOING ANY WORK IN THE VICINITY. THE CONTRACTOR SHALL COMPLY WITH REQUIREMENTS OF UTILITY OWNERS REGARDING NOTICE OF WORK AND PROTECTION OF UTILITIES. THE CONTRACTOR SHALL COMPLY WITH THE CITY OF CHICAGO, DEPARTMENT OF TRANSPORTATION DAMAGE PREVENTION PROTOCOL CITY INFRASTRUCTURE DEPARTMENTS. ALL UTILITIES SHALL BE NOTIFIED AT LEAST 48 HOURS BEFORE CONSTRUCTION. (CALL DIGGER 312-744-7000)
3. IF ANY PUBLIC OR PRIVATE UTILITIES CROSS THE WATER MAIN TRENCH AND SHALL REMAIN IN PLACE, THE CONTRACTOR SHALL PROTECT SAID UTILITY IN CONFORMANCE WITH THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.
4. TEST PITS SHALL BE EXCAVATED IN ADVANCE OF PIPELINE CONSTRUCTION IN ORDER TO CONFIRM DEPTH AND LOCATION OF EXISTING UTILITIES AND WHEN DIRECTED BY THE ENGINEER. NO ADDITIONAL PAYMENT WILL BE MADE FOR TEST PIT EXCAVATION.
5. WORK INDICATED ON THE PLANS AND NOT REFERENCED TO A BID ITEM SHALL BE CONSIDERED INCLUDED WITHIN THE BID ITEM TO THE WORK TO WHICH IT APPLIES AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
6. WATER MAIN AND FITTINGS LOCATIONS SHOWN ON THE DRAWINGS FOR THE NEW WATER MAINS AND APPURTENANCES MAY BE CHANGED BY THE ENGINEER DUE TO FIELD CONDITIONS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR SUCH CHANGES, UNLESS PREVIOUSLY APPROVED BY THE ENGINEER.
7. THE OPERATION OF ALL VALVES REQUIRED FOR SHUTDOWN SHALL BE PERFORMED BY CHICAGO DEPARTMENT OF WATER MANAGEMENT (CDWM) FORCES PURSUANT TO A 72 HOUR ADVANCE NOTIFICATION TO THE DEPARTMENT. ANY VALVE FOUND NOT OPERABLE WILL BE REPAIRED OR REPLACED BY CDWM.
8. REMOVE AND PROPERLY DISPOSE OF ALL WATER ENTERING ANY EXCAVATION INCLUDING LEAKAGE FROM EXISTING WATER MAINS. ALL EXCAVATIONS ASSOCIATED WITH THE WATER MAIN WORK SHALL BE KEPT DRY.
9. ALL OPENINGS IN EXISTING WATER MAINS SHALL BE PLUGGED OR CAPPED WITH DUCTILE IRON FITTINGS UNTIL THE MAIN IS ABANDONED OR RECONNECTED.
10. ALL VALVE BASINS SHALL BE CONSTRUCTED OF PRE-CAST REINFORCED CONCRETE UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
11. NOTES INDICATING S.N.L., E.W.L., ETC. MEAN SOUTH OF THE NORTH PROPERTY LINE, EAST OF THE WEST PROPERTY LINE, ETC. AND ARE MEASURED FROM THE NEAREST STREET.
12. IF A STANDARD MECHANICAL JOINT SLEEVE DOES NOT FIT TO MAKE CONNECTION OF THE NEW PIPE TO THE EXISTING PIPE, A TRANSITION SLEEVE MUST BE USED. NO GRINDING OF THE EXISTING PIPE IS PERMITTED.
13. ALL PIPE AND FITTINGS SHALL BE RESTRAINED MECHANICAL JOINT.
14. USE FILLER PIECES OF PIPE TO FILL THE AREA BETWEEN PIPE ENDS WHEN INSTALLING SLEEVE FITTINGS.
15. ON CONNECTIONS TO EXISTING CAST IRON PIPES, USE CAUTION WHEN INSTALLING MJ SLEEVES. SET SCREW TYPE RESTRAINT GLANDS (E.G. RETAINER GLANDS) ARE NOT ACCEPTABLE. CONSULT THE SPECIAL PROVISIONS FOR JOINT RESTRAINT REQUIREMENTS.

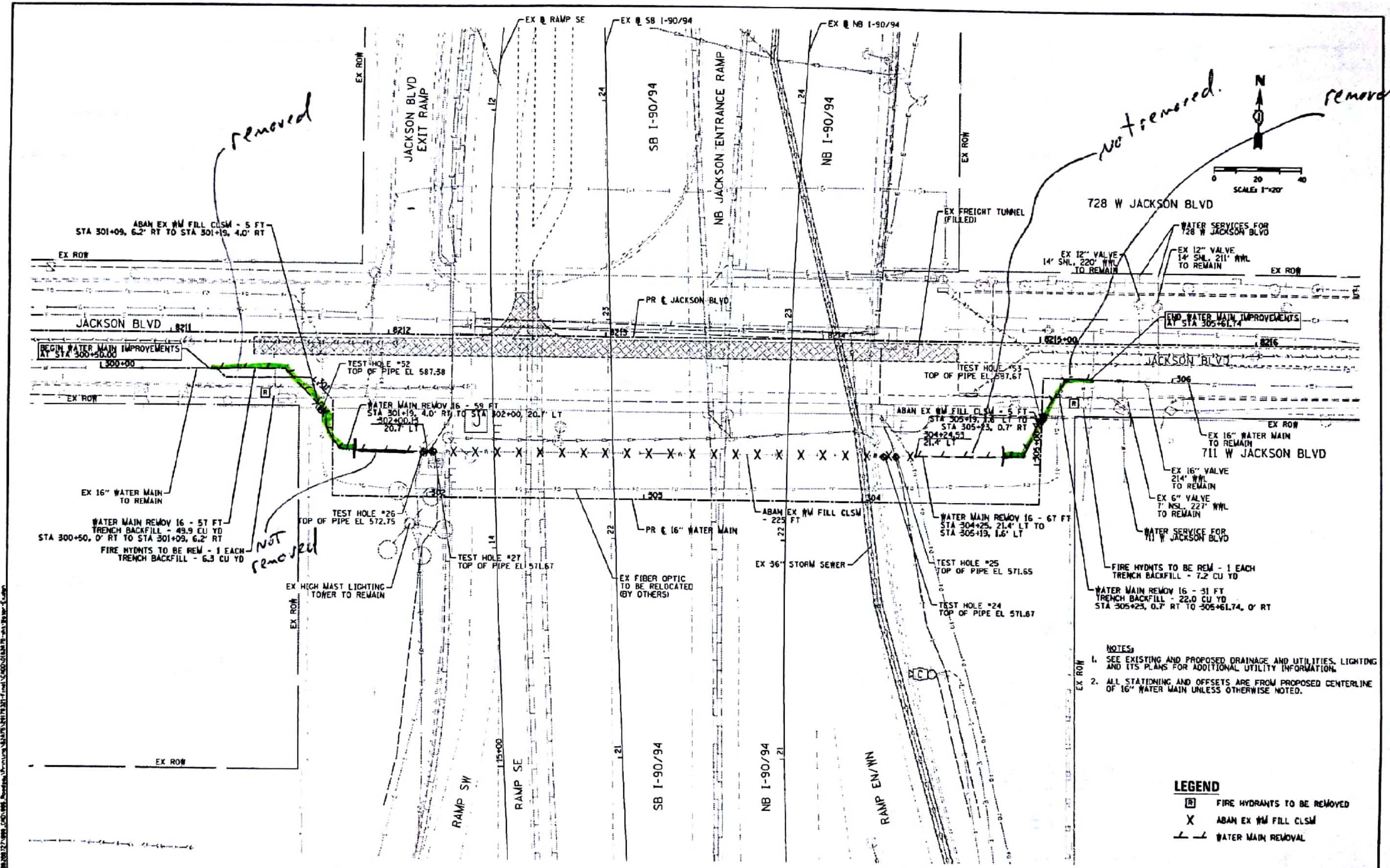
16. SWAB ALL PIPE AND FITTINGS WITH CHLORINE SOLUTION DURING INSTALLATION AND USE EXTRA PRECAUTION TO PREVENT SOIL AND DEBRIS FROM ENTERING THE PIPE. COMPLY WITH ALL STANDARDS AND REQUIREMENTS OF THE CDWM BUREAU OF WATER QUALITY. (312) 744-8190.
17. DE-CHLORINATION OF HEAVILY CHLORINATED WATER IS REQUIRED. THE CONTRACTOR OR SUBCONTRACTED CHLORINATOR SHALL DE-CHLORINATE AS LISTED FOR "INFORMATIONAL PURPOSES ONLY" IN APPENDIX C OF THE ANSI/AWWA STANDARD C-651-05, JUNE 1, 2005. THE CHLORINE LEVEL SHALL BE BROUGHT TO POTABLE WATER LEVELS.
18. ELEVATIONS ARE SHOWN IN THE CITY OF CHICAGO DATUM AND NAVD 88. THE CONVERSION FACTOR FROM CCD TO NAVD88 IS: NAVD 88 ELEVATION = CCD + 579.19.
19. CONTRACTOR SHALL CONSTRUCT THE IMPROVEMENTS ONLY WITHIN THE RIGHT-OF-WAY OR PERMANENT EASEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGE TO PRIVATE PROPERTY AND SHALL REPAIR SAID DAMAGE AT OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.
20. ALL HORIZONTAL AND VERTICAL BENDS, TEES, VALVES AND OTHER FITTINGS MUST BE RECORDED ON THE AS-BUILTS PREPARED BY THE CONTRACTOR AND SUBMITTED TO CDWM. LOCATIONS SHALL BE REFERENCED FROM THE RIGHT-OF-WAY LINES MEASURED FROM THE NEAREST STREETS.
21. THERE ARE SEVERAL VALVE BASIN FRAMES AND COVERS AND WATER SHUT-OFF/VALVE BOXES WITHIN THE PROPOSED IMPROVEMENT LIMITS. IT IS REQUESTED THAT ANY VERTICAL ADJUSTMENT THAT MAY BE REQUIRED TO THESE FACILITIES BE INCORPORATED INTO THE CONTRACT PLANS AND SPECIFICATIONS, AND THAT THE WORK BE PERFORMED BY IDOT'S CONTRACTOR. ADDITIONALLY, ALL CURB INSTALLATION ADJACENT TO FIRE HYDRANTS MUST BE PAINTED 'SAFETY YELLOW' FOR 15 FEET ON EACH SIDE OF THE FIRE HYDRANT EXCEPT WHERE THE 15 FOOT DIMENSION INTERSECT A CROSSWALK, DRIVEWAY OR SIMILAR FEATURE. IT IS ALSO REQUESTED THAT THE FINAL PAYMENT TO THE CONTRACTOR BE WITHHELD UNTIL THE DEPARTMENT OF WATER MANAGEMENT HAS INSPECTED AND FOUND THE ADJUSTED FACILITIES ACCEPTABLE. PLEASE CONTACT MR. ALBERT WTORKOWSKI OF THE DEPARTMENT OF WATER MANAGEMENT AT aworkowski@cityofchicago.org OR BY PHONE AT (312) 744-5070 IN ORDER TO SCHEDULE THE FINAL INSPECTION OF ANY ADJUSTED WATER FACILITIES.
22. A REPRESENTATIVE OF THE DWM MUST BE ON SITE DURING EXCAVATION AROUND THE EXISTING 16-INCH WATER MAIN AS WELL AS THE CONSTRUCTION OF THE PROPOSED 16-INCH WATER MAIN. CONTACT JOHN BARBARO AT JOHN.BARBARO@CDWRWATER.NE.I TWO WEEKS PRIOR TO THE ANTICIPATED CONSTRUCTION DATE SO A DWM REPRESENTATIVE CAN BE ASSIGNED TO THE PROJECT. FAILURE TO COMPLY WITH THIS REQUIREMENT MAY RESULT IN ADDITIONAL EXPENSES TO THE PROPOSED PROJECT TO VERIFY THAT ALL WORK CONFORMS TO DWM'S STANDARDS.
23. DWM REQUIRES 5 FEET OF COVER ON ALL PROPOSED WATER MAINS WHERE POSSIBLE. INSULATION MAY BE REQUIRED IN AREAS WHERE MINIMUM COVER CANNOT BE MET.
24. WATER MAIN CONTROL VALVE-48 INCH BUTTERFLY VALVE SHALL BE AN ADVANCE PROCUREMENT FOR CONTRACT 62A74. SEE SPECIAL PROVISIONS AND SHEET NO. 63 FOR ADDITIONAL INFORMATION.

TOTAL BILL OF MATERIALS:

TRENCH BACKFILL	CU YD	207,6
CONCRETE STRUCTURES	CU YD	12
REINFORCEMENT BARS, EPOXY COATED	POUND	10890
DRILLED SHAFT IN SOIL	CU YD	56
DUCTILE IRON WATER MAIN, MECHANICAL JOINT 8"	FOOT	20
DUCTILE IRON WATER MAIN, MECHANICAL JOINT 16"	FOOT	271
WATER MAIN CONTROL VALVE-16 INCH	EACH	2
FIRE HYDRANTS TO BE REMOVED	EACH	2
FIRE HYDRANTS	EACH	2
PRECAST CONCRETE RISER	EACH	2
SLOPE INCLINOMETER	EACH	2
STEEL CASING PIPE AUGERED AND JACKED 30"	FOOT	291
CITY OF CHICAGO DEPARTMENT OF WATER MANAGEMENT ENGINEERING SERVICES	L SUM	1
CONCRETE REMOVAL (SPECIAL)	CU YD	20
ABANDON EXISTING WATER MAIN, FILL WITH CLSM	FOOT	235
WATER MAIN REMOVAL, 16"	FOOT	214
DUCTILE IRON WATER MAIN, MECHANICAL JOINT 16" IN CASING	FOOT	291
WATER MAIN CONTROL VALVE-48 INCH BUTTERFLY VALVE	EACH	1

FILE PATH = p:\NACOM\NA-NW\Leecomon\line\local\AECOM_DS02_IL\000_CAD\006_Roadway\Sheets\62A75_Contract\0162A76-SHT-WATERMAIN-02.dgn

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	USER NAME = dmshaver	DRAWN - AFC	REVISED -			90/94/290	2015-021-I	COOK	153	54
PLOT SCALE = 48.0000' / 1"	CHECKED - MJE	REVISED -	CONTRACT NO. 62A75							
PLOT DATE = 3/20/2017	DATE - 03/21/2017	REVISED -	ILLINOIS FED. AID PROJECT							
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.										
	D162A76-SHT-WATERMAIN-02.dgn	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING WATER MAIN PLANS JACKSON BOULEVARD	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	USER NAME = amkluver	DRAWN - NLD	REVISED -			90/94/290	2015-D19R	COOK	2155	789
PLOT SCALE = 100.0000' / 1"	CHECKED - JMG	REVISED -	CONTRACT NO. 62A76							
PLOT DATE = 1/29/2020	DATE - 1/29/20	REVISED -	ILLINOIS FED. AID PROJECT							
SCALE: NONE SHEET 14 OF 42 SHEETS STA. TO STA.										



AECOM
 1000 North Dearborn Street
 Suite 2000
 Chicago, IL 60610
 Tel: 312.851.3000
 Fax: 312.851.3000

DESIGNED - RDB	REVISED -
DRAWN - AFC	REVISED -
CHECKED - WJE	REVISED -
DATE - 05/21/2017	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING WATER MAIN PLAN
 JACKSON BOULEVARD

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-021-1	COOK	153	98
CONTRACT NO. 62A75				



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PLOT DATE = 1/29/2020	DATE - 1/29/20	REVISED -

DESIGNED -	REVISED -
DRAWN - NLD	REVISED -
CHECKED - JMG	REVISED -
DATE - 1/29/20	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING WATER MAIN PLANS
 JACKSON BOULEVARD

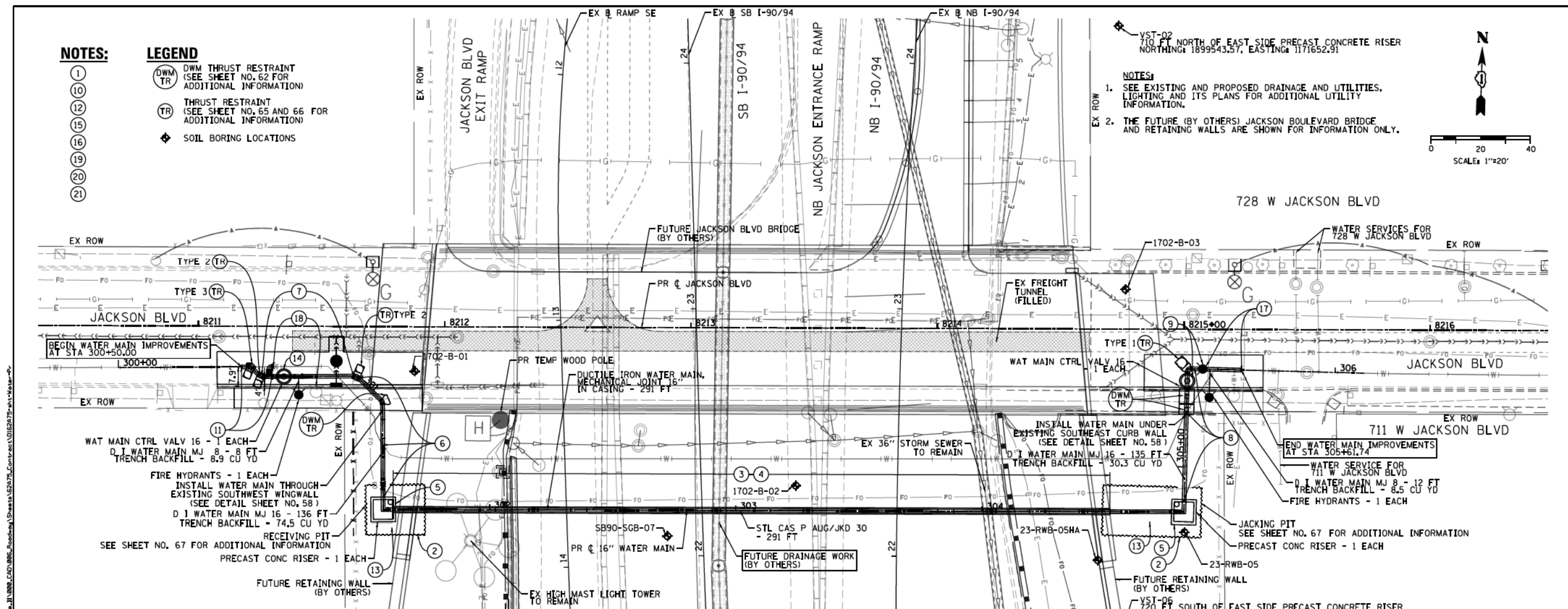
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-D19R	COOK	2155	790
CONTRACT NO. 62A76				

NOTES:

- 1
- 10
- 12
- 15
- 16
- 19
- 20
- 21

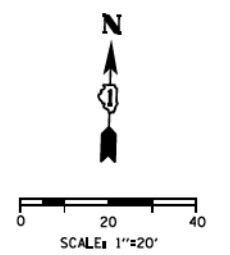
LEGEND

- (DWM TR) DWM THRUST RESTRAINT (SEE SHEET NO. 62 FOR ADDITIONAL INFORMATION)
- (TR) THRUST RESTRAINT (SEE SHEET NO. 65 AND 66 FOR ADDITIONAL INFORMATION)
- ◆ SOIL BORING LOCATIONS



VST-02
710 FT NORTH OF EAST SIDE PRECAST CONCRETE RISER
NORTHING: 1899543.57, EASTING: 1171652.91

- NOTES:**
- SEE EXISTING AND PROPOSED DRAINAGE AND UTILITIES, LIGHTING AND ITS PLANS FOR ADDITIONAL UTILITY INFORMATION.
 - THE FUTURE (BY OTHERS) JACKSON BOULEVARD BRIDGE AND RETAINING WALLS ARE SHOWN FOR INFORMATION ONLY.



CONSTRUCTION SEQUENCING NOTES:

- THE EXISTING 16" WATER MAIN CROSSING MUST BE KEPT IN SERVICE DURING CONSTRUCTION OF THE NEW 16" WATER MAIN CROSSING IN ORDER TO MAINTAIN THE WATER SUPPLY FROM EITHER DIRECTION TO THE DUAL WATER SERVICES FOR THE BUILDING LOCATED AT 728 W JACKSON BLVD. INTERRUPTIONS TO SERVICE SHALL ONLY BE PERMITTED FOR THE CONNECTION WORK SEQUENCES AS DESCRIBED BELOW. THE CONTRACTOR SHALL LIMIT THE SERVICE INTERRUPTIONS TO THE SPECIFIED TIME PERIODS. IF THE WORK CANNOT BE COMPLETED WITHIN THE SPECIFIED TIME PERIOD, THE CONTRACTOR SHALL WORK CONTINUOUSLY FOR AS LONG AS NECESSARY TO COMPLETE THE WORK AND RESTORE THE WATER SUPPLY TO THE SATISFACTION OF CDWM.
- INSTALL EXCAVATION AREAS ON THE EAST AND WEST SIDES REQUIRED FOR AUGERING AND JACKING OF THE CASING PIPE AND FOR CONSTRUCTION OF THE RISER SHAFTS. PROTECT THE EXISTING ADJACENT 16" WATER MAIN SO IT IS NOT DAMAGED DURING CONSTRUCTION.
- INSTALL 291+30" STEEL CASING PIPE BETWEEN STATIONS 301+61 AND 304+52.
- INSTALL 16" WATER MAIN IN CASING PIPE USING CASING SPACERS.
- CONSTRUCT BASE AND WALLS OF NEW PRE-CAST RISER SHAFTS. SEE SHEET NO. 64. INSTALL 16" PIPE AND FITTINGS AS SHOWN IN THE RISER SHAFTS. RESTRAIN TOP AND BOTTOM BASE BENDS. CONNECT RISER PIPING TO 16" WATER MAIN IN CASING PIPE WITH 16" PIPE AND 1-16" MJ SLEEVE AT EACH LOCATION. INSTALL ROOF SLAB.
- INSTALL 16" PIPE AS SHOWN FROM THE RISER SHAFT TO THE NORTH AND WEST IN JACKSON BLVD. INSTALL 2-16" X 1/8 BENDS AT APPROXIMATELY STATIONS 300+98 AND 301+13. THE CONTRACTOR SHALL CONFIRM THE ACTUAL ELEVATION IN THE FIELD OF THE EXISTING WATER MAIN WHERE IT CROSSES THE PROPOSED WATER MAIN. THE ELEVATION OF THE PROPOSED WATER MAIN SHALL BE ADJUSTED AS NECESSARY TO CROSS OVER OR UNDER THE EXISTING WATER MAIN TO MAINTAIN A MINIMUM OF 5' OF COVER ON THE PROPOSED WATER MAIN. INSTALL ADDITIONAL BENDS AS REQUIRED TO ADJUST THE HORIZONTAL AND VERTICAL ALIGNMENT. SUPPORT AND PROTECT THE EXISTING WATER MAIN WHEN CROSSING UNDERNEATH WITH THE PROPOSED WATER MAIN. CORE THROUGH EXISTING WING WALL TO FACILITATE PIPE ROUTING (SEE DETAIL ON SHEET NO. 58). BUILD THRUST RESTRAINT.
- INSTALL 16" PIPE AS SHOWN TO THE WEST IN JACKSON BLVD. INSTALL 1-16" X 8" MJ TEE, 8" MJ PIPE AND FIRE HYDRANT. INSTALL 1-16" MJ GATE VALVE AND 2-2" TEST TAPS AT STA 300+69. BUILD VALVE BASIN (SEE DETAILS). INSTALL 1-16" X 16" MJ TEE AT STA 300+63 FOR TEMPORARY CONNECTION TO EXISTING 16" WATER MAIN. INSTALL 1-16" X 1/8 MJ BEND AT STA 300+59 FOR PERMANENT CONNECTION. BUILD THRUST RESTRAINTS.
- INSTALL 16" PIPE AS SHOWN FROM THE RISER SHAFT TO THE NORTH AND EAST IN JACKSON BLVD. INSTALL 1-16" X 1/4 BEND AT APPROXIMATELY STATION 305+40. THE CONTRACTOR SHALL CONFIRM THE ACTUAL ELEVATION IN THE FIELD OF THE EXISTING WATER MAIN WHERE IT CROSSES THE PROPOSED WATER MAIN. THE ELEVATION OF THE PROPOSED WATER MAIN SHALL BE ADJUSTED AS NECESSARY TO CROSS OVER OR UNDER THE EXISTING WATER MAIN TO MAINTAIN A MINIMUM OF 5' OF COVER ON THE PROPOSED WATER MAIN. INSTALL 2-16" X 1/16 MJ BEND AT STA 305+23 AND 305+29 TO ADJUST VERTICAL ALIGNMENT. INSTALL ADDITIONAL BENDS AS REQUIRED TO ADJUST THE HORIZONTAL AND VERTICAL ALIGNMENT. SUPPORT AND PROTECT THE EXISTING WATER MAIN WHEN CROSSING UNDERNEATH WITH THE PROPOSED WATER MAIN. BUILD THRUST RESTRAINTS.
- INSTALL 1-16" GATE VALVE AND 2-2" TEST TAPS AT STA 305+35. INSTALL TEMPORARY FLUSHING HYDRANT AT END OF PIPE AND BRACE. BUILD VALVE BASIN (SEE DETAILS).
- CONTACT CHICAGO DEPARTMENT OF WATER MANAGEMENT (CDWM) TO ARRANGE FOR THE SHUTDOWN OF THE EXISTING 16" WATER MAIN (312-744-5070). NOTE: THERE ARE ACTIVE WATER SERVICES ON THE SECTION OF WATER MAIN TO BE SHUTDOWN. THE CONNECTION WORK DESCRIBED IN THE FOLLOWING NOTE MUST BE COMPLETED WITHIN 4 HOURS OF THE SHUTDOWN.
- CUT OUT AND REMOVE SECTION OF EXISTING 16" WATER MAIN. MAKE PERMANENT CONNECTION TO EXISTING 16" PIPE WITH 16" PIPE, 1-16" X 1/8 BEND AND 1-16" MJ SLEEVE OR TRANSITION SLEEVE IF REQUIRED. MAKE TEMPORARY CONNECTION TO EXISTING 16" WATER MAIN CROSSING WITH 16" PIPE, 1-16" X 1/4 BEND AND 1-16" MJ SLEEVE OR TRANSITION SLEEVE IF REQUIRED AND TEMPORARILY BRACE.
- CONTACT CHICAGO DEPARTMENT OF WATER MANAGEMENT (CDWM) TO ARRANGE FOR OPENING CLOSED VALVES TO FILL, FLUSH AND RESTORE SERVICE TO THE EXISTING 16" WATER MAIN (312-744-5070).
- BEFORE THE NEW 16" WATER MAIN CAN BE FILLED, FLUSHED, AND PRESSURE TESTED, THE EXCAVATION AREA MUST BE BACKFILLED AROUND THE RISER SHAFT AND ALL PIPE STRUCTURAL RESTRAINT SYSTEMS MUST BE IN PLACE.
- SLOWLY OPEN NEW 16" MJ GATE VALVE (NOTE 7) AND THOROUGHLY FLUSH THE NEW 16" WATER MAIN FROM WEST TO EAST TO REMOVE ALL AIR.
- PRESSURE TEST AND DISINFECT THE NEW 16" WATER MAIN IN ACCORDANCE WITH CDWM REQUIREMENTS AND THE CONTRACT DOCUMENTS.
- AFTER APPROVAL OF THE PRESSURE TEST AND DISINFECTION BY CDWM, MAKE FINAL CONNECTIONS. CONTACT CDWM TO ARRANGE FOR THE SHUTDOWN OF THE EXISTING 16" WATER MAIN (312-744-5070). NOTE: THERE ARE ACTIVE WATER SERVICES ON THE SECTION OF WATER MAIN TO BE SHUTDOWN. THE CONNECTION WORK DESCRIBED IN THE FOLLOWING NOTES MUST BE COMPLETED WITHIN 4 HOURS OF THE SHUTDOWN.
- REMOVE TEMPORARY FLUSHING HYDRANT (NOTE 9), CUT OUT EXISTING 16" PIPE AND REMOVE EXISTING FIRE HYDRANT. INSTALL 1-16" X 8" MJ TEE, 8" MJ PIPE AND FIRE HYDRANT. CONNECT WITH 16" PIPE AND 1-16" MJ SLEEVE OR TRANSITION SLEEVE IF REQUIRED.
- REMOVE AND SALVAGE 16" X 1/4 BEND AND 1-16" MJ SLEEVE OR TRANSITION SLEEVE INSTALLED ON THE TEMPORARY CONNECTION TO THE EXISTING 16" MAIN (NOTE 11). PLUG THE 16" X 16" TEE WITH 1-16" MJ PLUG. REMOVE EXISTING FIRE HYDRANT.
- CONTACT CHICAGO DEPARTMENT OF WATER MANAGEMENT (CDWM) TO ARRANGE FOR OPENING ANY REMAINING VALVES THAT WERE SHUTDOWN (312-744-5070). CONTRACTOR TO ASSIST WITH FLUSHING AS NECESSARY.
- REMOVE OR ABANDON THE EXISTING 16" WATER MAIN AS SHOWN ON THE DRAWINGS ON SHEET NO. 55.
- RESTORE ALL WATER MAIN TRENCHES PER THE DETAILED DRAWINGS.

<p>300 EAST Wacker Drive, Suite 1400 Chicago, IL 60601-4242 Phone: 312-375-1700 Fax: 312-375-8800</p>	DESIGNED - RBB DRAWN - AFC CHECKED - MJE DATE - 4/21/2017	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED WATER MAIN PLAN JACKSON BOULEVARD	F.A.I. R.T.E. 90/94/290	SECTION 2015-021-I	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 56
	PLOT SCALE = 48.0000' / 1"	DATE - 4/21/2017			SCALE: 1" = 20' SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 62A75		

	DESIGNED - DRAWN - NLD CHECKED - JMG DATE - 1/29/2020	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING WATER MAIN PLANS JACKSON BOULEVARD	F.A.I. R.T.E. 90/94/290	SECTION 2015-D19R	COUNTY COOK	TOTAL SHEETS 2155	SHEET NO. 791
	PLOT SCALE = 100.0000' / 1"	DATE - 1/29/2020			SCALE: NONE SHEET 16 OF 42 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 62A76		

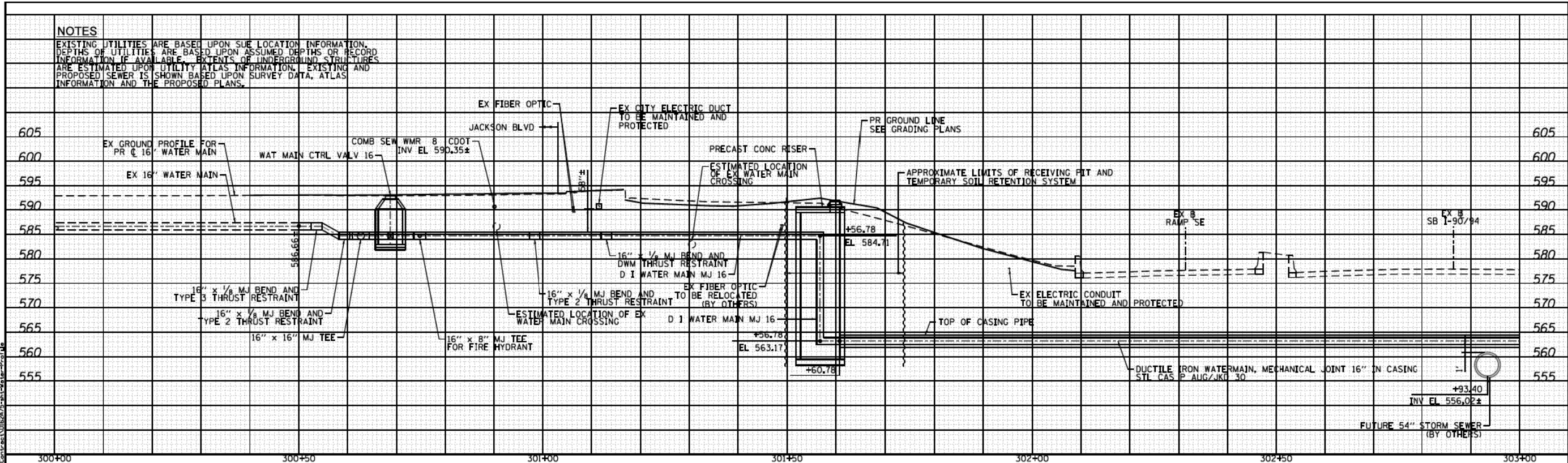
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NOTES

EXISTING UTILITIES ARE BASED UPON SUE LOCATION INFORMATION. DEPTHS OF UTILITIES ARE BASED UPON ASSUMED DEPTHS OR RECORD INFORMATION IF AVAILABLE. EXTENTS OF UNDERGROUND STRUCTURES ARE ESTIMATED UPON UTILITY ATLAS INFORMATION. EXISTING AND PROPOSED SEWER IS SHOWN BASED UPON SURVEY DATA, ATLAS INFORMATION AND THE PROPOSED PLANS.

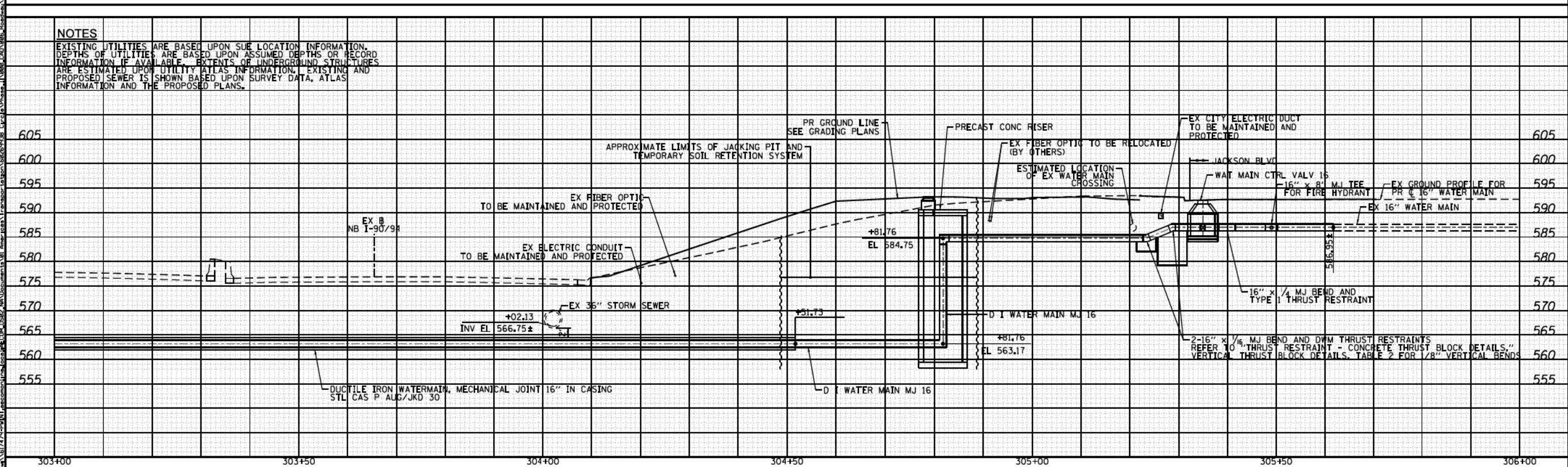
DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	



NOTES

EXISTING UTILITIES ARE BASED UPON SUE LOCATION INFORMATION. DEPTHS OF UTILITIES ARE BASED UPON ASSUMED DEPTHS OR RECORD INFORMATION IF AVAILABLE. EXTENTS OF UNDERGROUND STRUCTURES ARE ESTIMATED UPON UTILITY ATLAS INFORMATION. EXISTING AND PROPOSED SEWER IS SHOWN BASED UPON SURVEY DATA, ATLAS INFORMATION AND THE PROPOSED PLANS.

DATE	
BY	
REVISION	
NO.	
DATE	
BY	
REVISION	
NO.	



<p>303 EAST WASHINGTON DRIVE, SUITE 1400 CHICAGO, IL 60601-3717 PHONE (312) 375-1700 FAX (312) 375-0800</p>	D162A76-SHT-Water-Profile	DESIGNED - RBB	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p align="center">WATER MAIN PROFILE JACKSON BOULEVARD</p>	F.A.I. RTE. 90/94/290	SECTION 2015-021-1	COUNTY COOK	TOTAL SHEETS 153	SHEET NO. 57			
	USER NAME = Chau	DRAWN - AFC	REVISED -			SCALE: 1" = 10'	SHEET 1 OF 1 SHEETS STA. TO STA.	CONTRACT NO. 62A75					
	PLOT SCALE = 20.0000' / 1"	CHECKED - MJE	REVISED -										
	PLOT DATE = 3/20/2017	DATE = 03/21/2017	REVISED -										

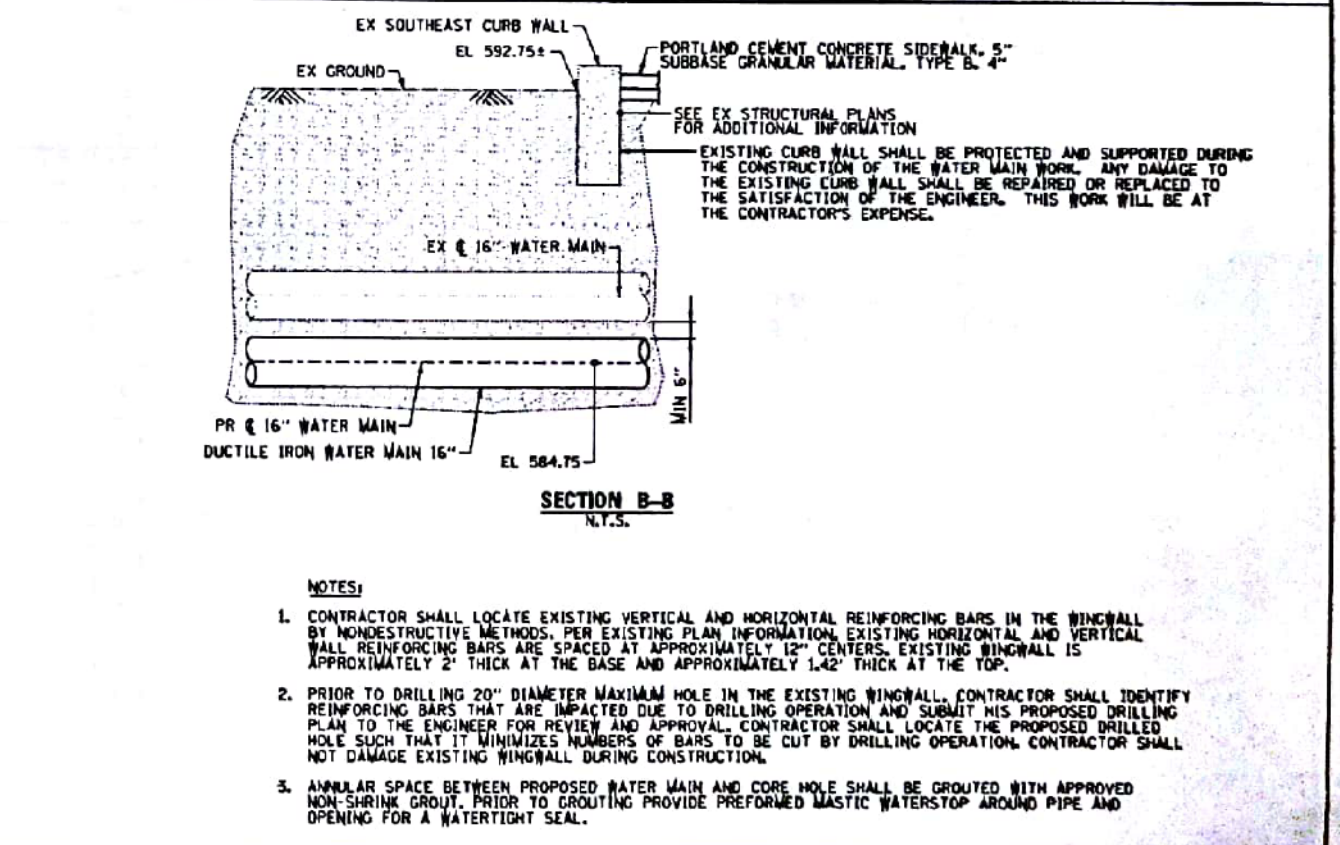
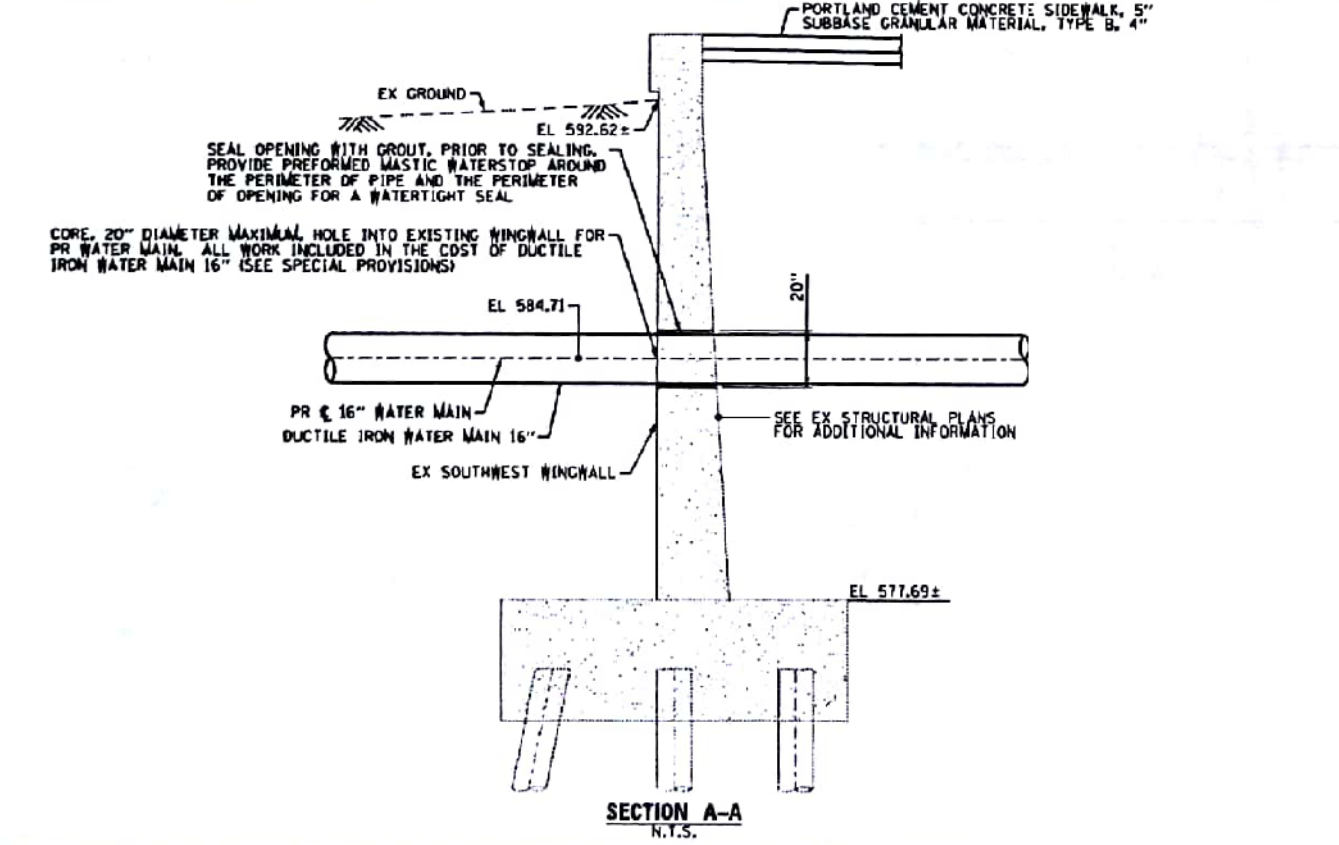
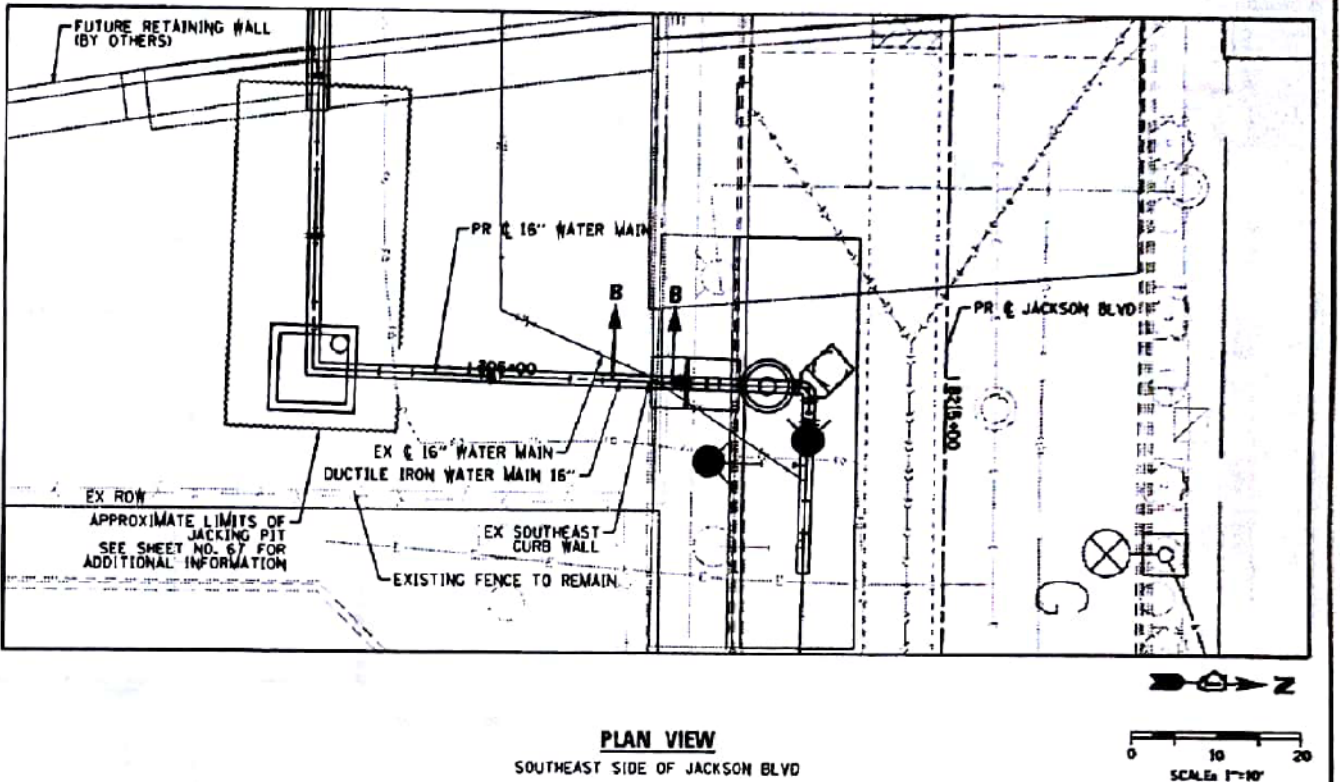
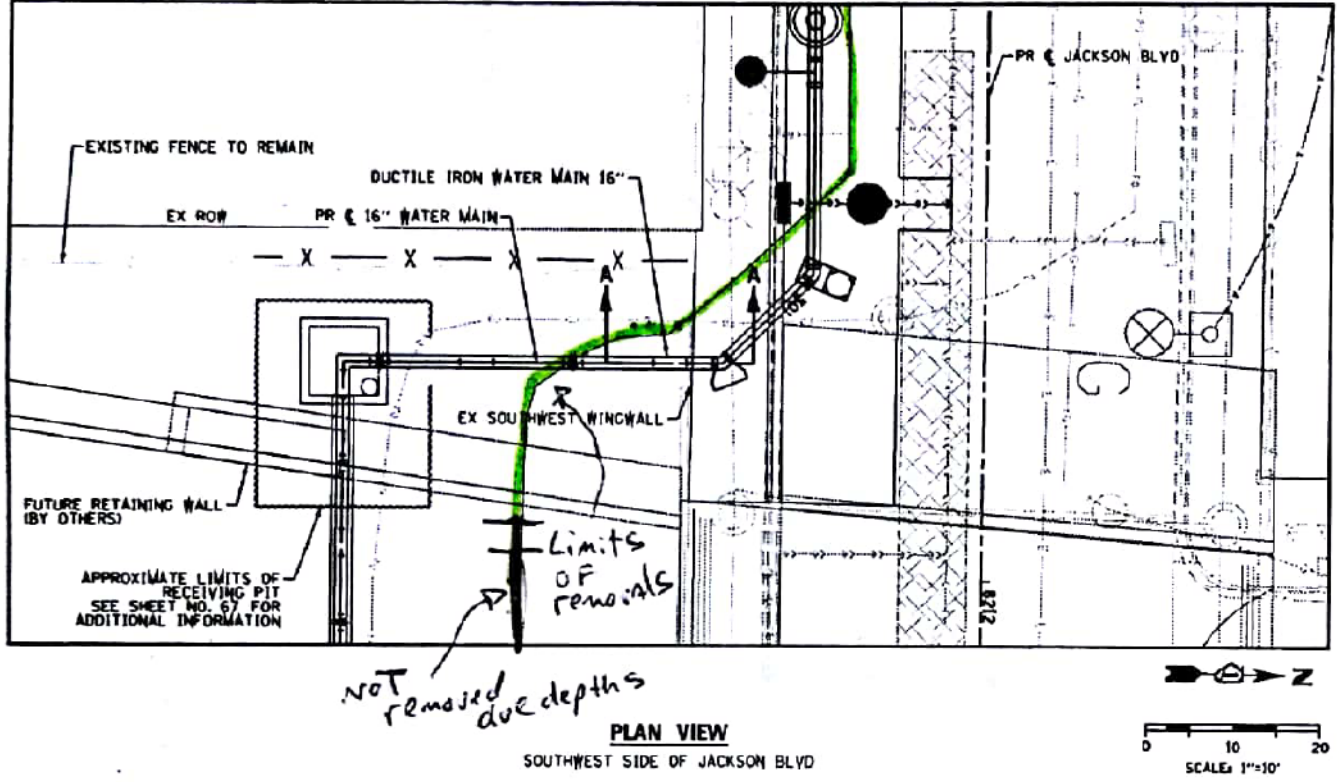


D162A76-SHT-WATERMAIN-05.dgn	DESIGNED -	REVISED -
USER NAME = amkluver	DRAWN - NLD	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED - JMG	REVISED -
PLOT DATE = 1/29/2020	DATE = 1/29/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING WATER MAIN PLANS	
JACKSON BOULEVARD	
SCALE: NONE	SHEET 17 OF 42 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2015-D19R	COUNTY COOK	TOTAL SHEETS 2155	SHEET NO. 792
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				



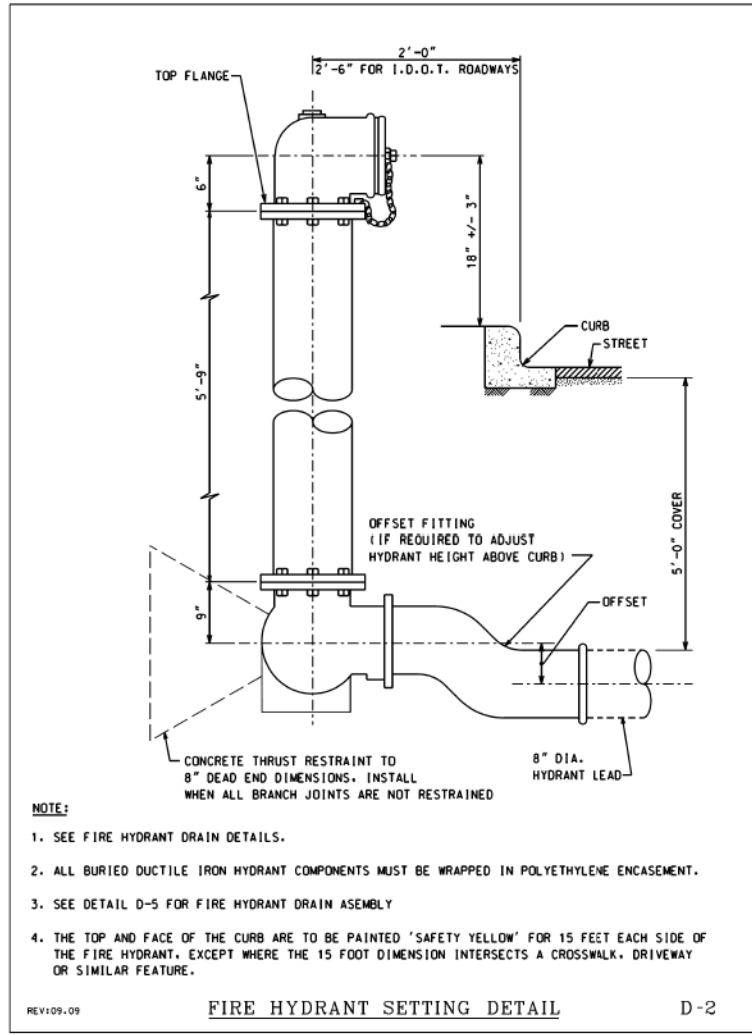
- NOTES:**
- CONTRACTOR SHALL LOCATE EXISTING VERTICAL AND HORIZONTAL REINFORCING BARS IN THE WINGWALL BY NONDESTRUCTIVE METHODS, PER EXISTING PLAN INFORMATION. EXISTING HORIZONTAL AND VERTICAL WALL REINFORCING BARS ARE SPACED AT APPROXIMATELY 12" CENTERS. EXISTING WINGWALL IS APPROXIMATELY 2' THICK AT THE BASE AND APPROXIMATELY 1.42' THICK AT THE TOP.
 - PRIOR TO DRILLING 20" DIAMETER MAXIMUM HOLE IN THE EXISTING WINGWALL, CONTRACTOR SHALL IDENTIFY REINFORCING BARS THAT ARE IMPACTED DUE TO DRILLING OPERATION AND SUBMIT HIS PROPOSED DRILLING PLAN TO THE ENGINEER FOR REVIEW AND APPROVAL. CONTRACTOR SHALL LOCATE THE PROPOSED DRILLED HOLE SUCH THAT IT MINIMIZES NUMBERS OF BARS TO BE CUT BY DRILLING OPERATION. CONTRACTOR SHALL NOT DAMAGE EXISTING WINGWALL DURING CONSTRUCTION.
 - ANNULAR SPACE BETWEEN PROPOSED WATER MAIN AND CORE HOLE SHALL BE GROUTED WITH APPROVED NON-SHRINK GROUT. PRIOR TO GROUTING PROVIDE PREFORMED MASTIC WATERSTOP AROUND PIPE AND OPENING FOR A WATERTIGHT SEAL.

AECOM <small>1000 N. MICHIGAN AVE. SUITE 1000 CHICAGO, IL 60611-4000 TEL: 312.467.4000 FAX: 312.467.4000</small>	0162A76-SHT-WATERMAIN-06.dgn USER NAME = amkluver PLOT SCALE = 20.0000' / in. PLOT DATE = 3/28/2017	DESIGNED - RBB/ATB DRAWN - AFC CHECKED - JJC DATE - 05/21/2017	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	JACKSON BOULEVARD - WATER MAIN DETAILS WATER MAIN CROSSING AT WINGWALL/CURB WALL	F.A.I. R.T.E. = 90/94/290 SECTION = 2015-021-1 COUNTY = COOK TOTAL SHEETS = 153 SHEET NO. = 88 CONTRACT NO. = 62A76
	SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT				

TranSystems	0162A76-SHT-WATERMAIN-06.dgn USER NAME = amkluver PLOT SCALE = 100.0000' / in. PLOT DATE = 1/29/2020	DESIGNED - DRAWN - NLD CHECKED - JMG DATE - 1/29/20	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING WATER MAIN PLANS JACKSON BOULEVARD	F.A.I. R.T.E. = 90/94/290 SECTION = 2015-D19R COUNTY = COOK TOTAL SHEETS = 2155 SHEET NO. = 793 CONTRACT NO. = 62A76
	SCALE: NONE SHEET 18 OF 42 SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT				

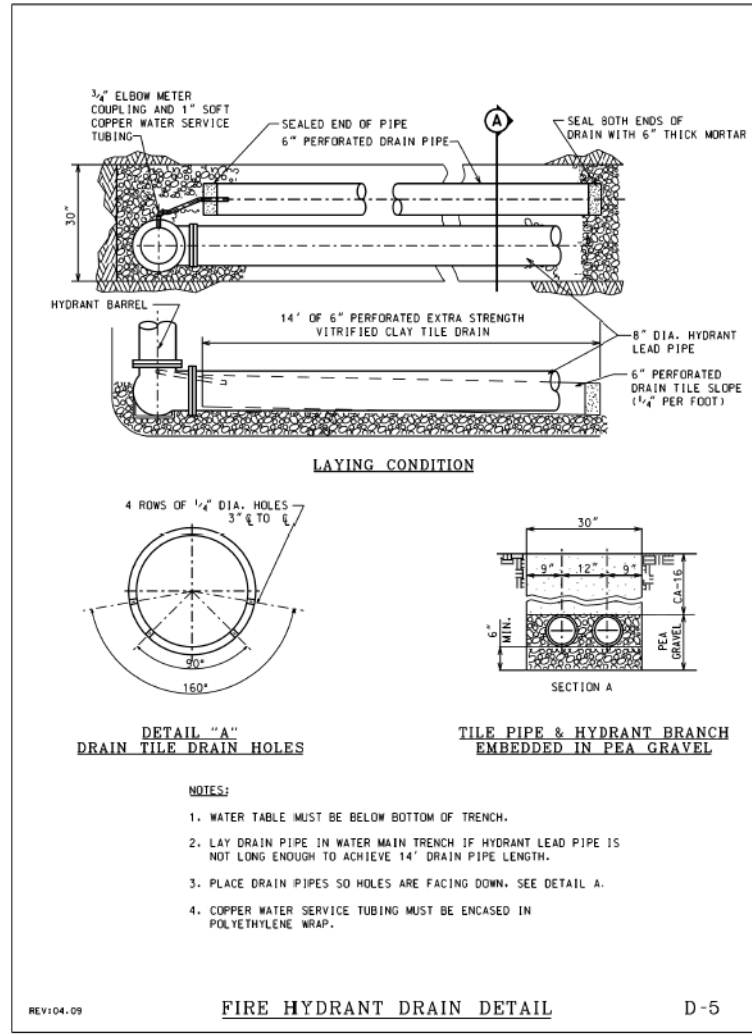
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- NOTE:**
- SEE FIRE HYDRANT DRAIN DETAILS.
 - ALL BURIED DUCTILE IRON HYDRANT COMPONENTS MUST BE WRAPPED IN POLYETHYLENE ENCASUREMENT.
 - SEE DETAIL D-5 FOR FIRE HYDRANT DRAIN ASSEMBLY
 - THE TOP AND FACE OF THE CURB ARE TO BE PAINTED 'SAFETY YELLOW' FOR 15 FEET EACH SIDE OF THE FIRE HYDRANT, EXCEPT WHERE THE 15 FOOT DIMENSION INTERSECTS A CROSSWALK, DRIVEWAY OR SIMILAR FEATURE.

REV109-09 FIRE HYDRANT SETTING DETAIL D-2



- NOTES:**
- WATER TABLE MUST BE BELOW BOTTOM OF TRENCH.
 - LAY DRAIN PIPE IN WATER MAIN TRENCH IF HYDRANT LEAD PIPE IS NOT LONG ENOUGH TO ACHIEVE 14' DRAIN PIPE LENGTH.
 - PLACE DRAIN PIPES SO HOLES ARE FACING DOWN, SEE DETAIL A.
 - COPPER WATER SERVICE TUBING MUST BE ENCASED IN POLYETHYLENE WRAP.

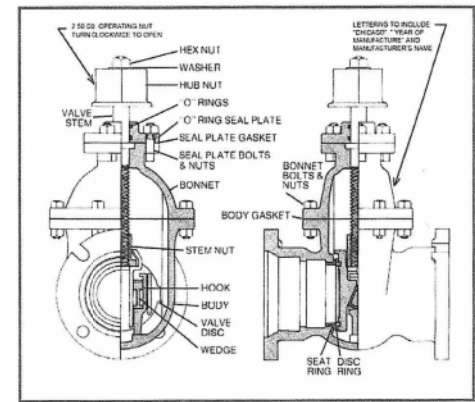
REV104-09 FIRE HYDRANT DRAIN DETAIL D-5

EJIW Gate Valves, Series N City of Chicago Specification

engineered designed constructed for a position of trust

SERIES N GATE VALVES:

The Chicago Gate Valve is manufactured according to City of Chicago specifications in sizes 3" to 16" inclusive. It has double disc construction with parallel seats; a V-type gate spreading mechanism which is actuated when the wedging piece comes in contact with a lug at the bottom of the valve body. The wedge is thus restrained from further movement and the discs being forced downward over the wedges are forced to spread.



SIZE	CAT #
3"	3N22
4"	4N22
6"	6N22
8"	8N22
12"	12N22
16"	16N22

	3"	4"	6"	8"	12"	16"
Mechanical Joint End						
Overall Length	10 5/8	13 1/8	13 3/4	15 1/4	16 1/2	23 1/4
Laying Length	5 5/8	8 1/8	8 3/4	10 1/4	11 1/2	16 1/4
Centerline to Top of Stem	13 1/8	15 3/8	20	23 1/4	31	36 5/8
Number of Turns to Open	7	9	14	18	43	50

EJIW products are available throughout the United States. Call 800-344-3549 for information or service requests. email: ejisales@ejw.com website: www.ejw.com

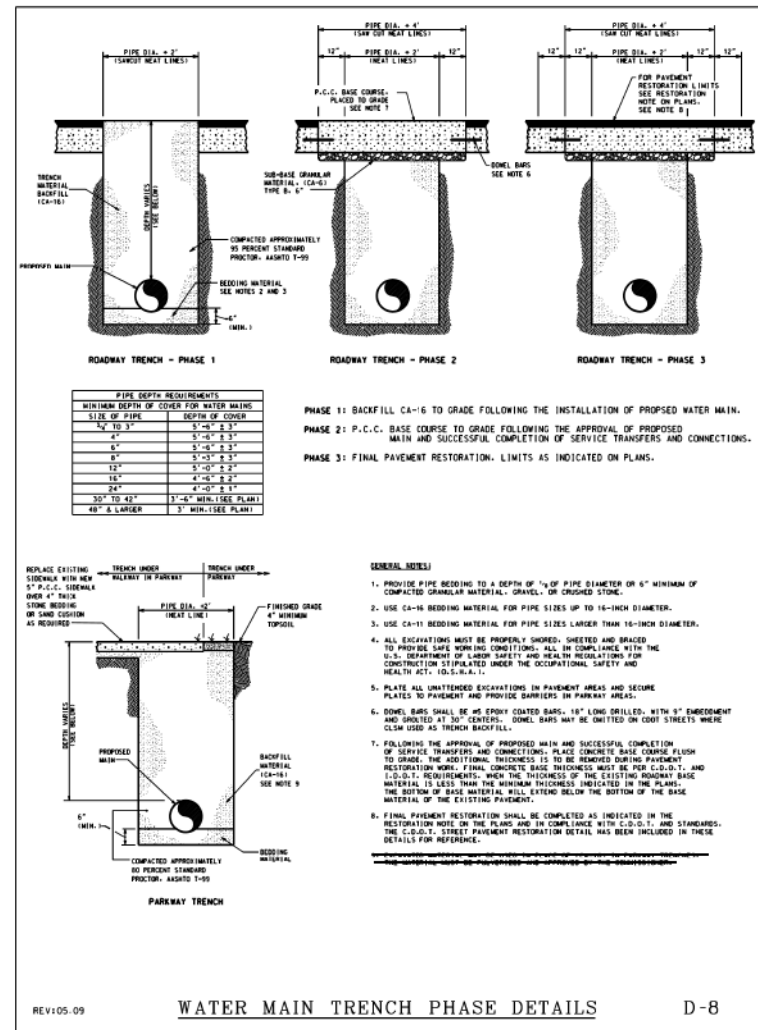
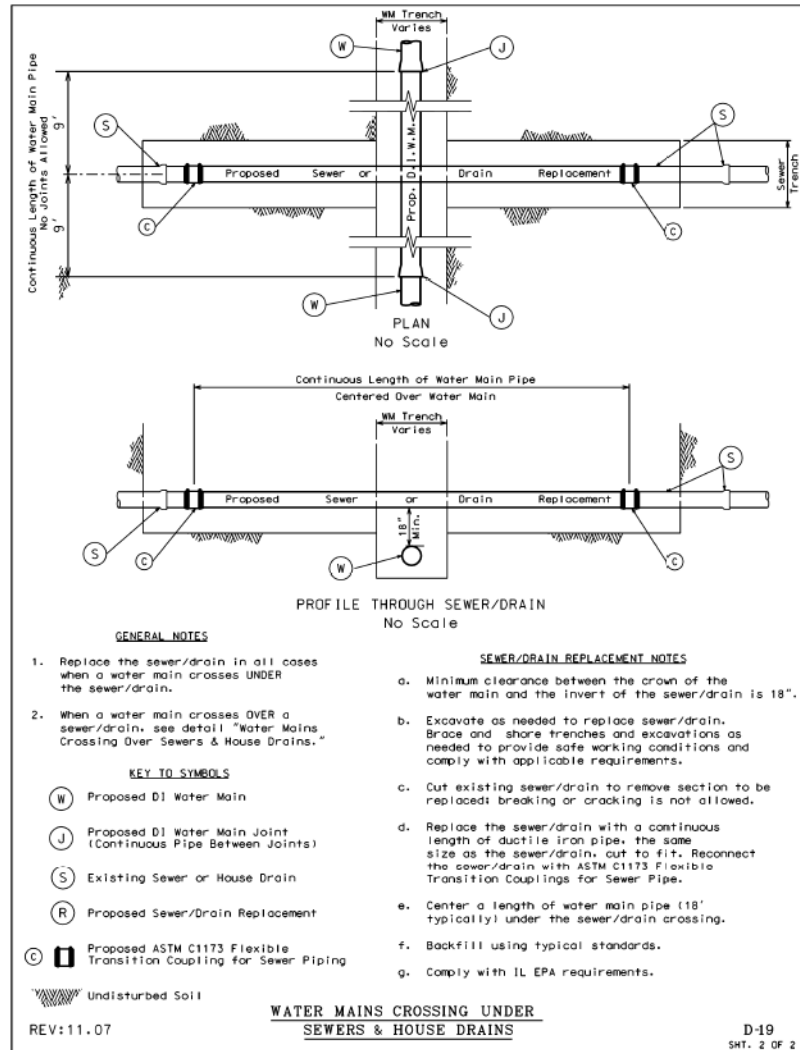
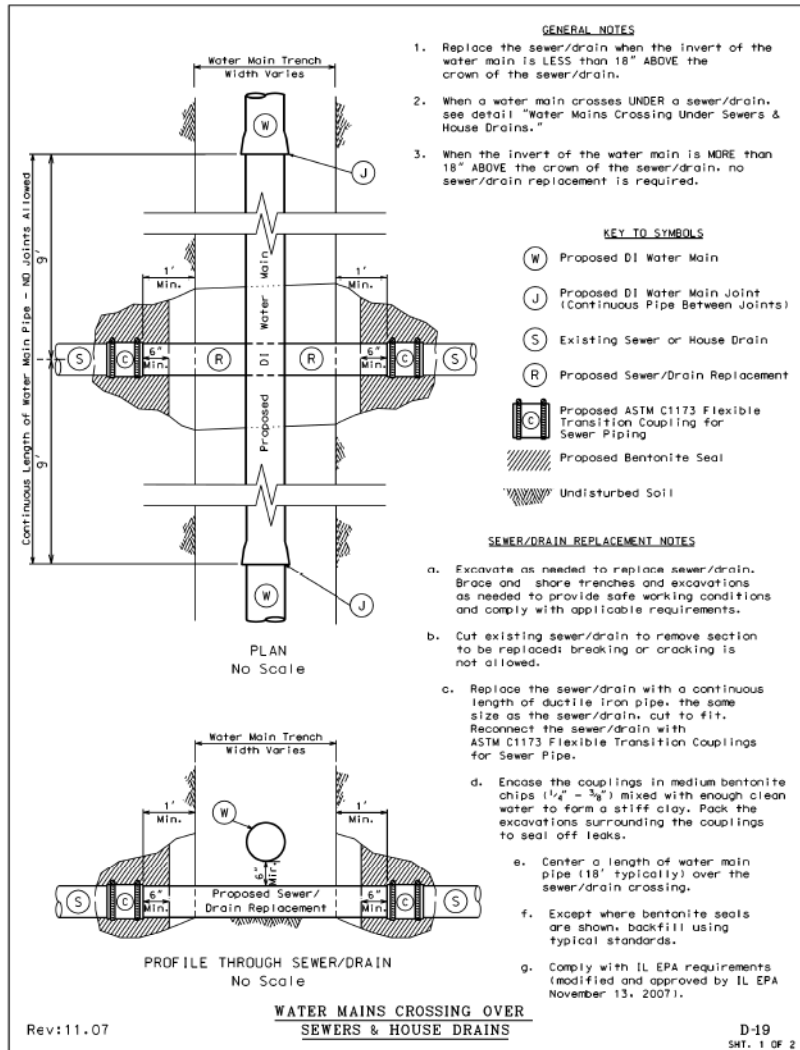


We Cover the Infrastructure®

AECOM <small>303 EAST WACKER DRIVE, SUITE 1400 CHICAGO, IL 60601-5076 PHONE (312) 375-7700 FAX (312) 375-6800</small>	D162A76-SHT-WH-DET-01.dgn USER NAME = dshevez PLOT SCALE = 48.0000' / in. PLOT DATE = 3/28/2017	DESIGNED - RBB DRAWN - AFC CHECKED - MJE DATE - 03/21/2017	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WATER MAIN DETAILS SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.	F.A.I. RTE. 90/94/290 SECTION 2015-021-I COUNTY COOK TOTAL SHEETS 153 SHEET NO. 59 CONTRACT NO. 62A75	ILLINOIS FED. AID PROJECT
	D162A76-SHT-WATERMAIN-07.dgn USER NAME = amkluver PLOT SCALE = 100.0000' / in. PLOT DATE = 1/29/2020	DESIGNED - DRAWN - NLD CHECKED - JMG DATE - 1/29/20	REVISED - REVISED - REVISED - REVISED -			EXISTING WATER MAIN PLANS JACKSON BOULEVARD SCALE: NONE SHEET 19 OF 42 SHEETS STA. TO STA.	



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D162A76-SHT-WH-DET-02.dgn
 USER NAME = dsahavez
 PLOT SCALE = 48.0000' / in.
 PLOT DATE = 3/28/2017

DESIGNED - RBB
 DRAWN - AFC
 CHECKED - MJE
 DATE - 03/21/2017

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

WATER MAIN DETAILS

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.I. R.T.E. 90/94/290
 SECTION 2015-021-I
 COUNTY COOK
 TOTAL SHEETS 153
 SHEET NO. 60
 CONTRACT NO. 62A75
 ILLINOIS FED. AID PROJECT



D162A76-SHT-WATERMAIN-08.dgn
 USER NAME = amkluver
 PLOT SCALE = 100.0000' / in.
 PLOT DATE = 1/29/2020

DESIGNED -
 DRAWN - NLD
 CHECKED - JMG
 DATE - 1/29/20

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING WATER MAIN PLANS
 JACKSON BOULEVARD

SCALE: NONE SHEET 20 OF 42 SHEETS STA. TO STA.

F.A.I. R.T.E. 90/94/290
 SECTION 2015-D19R
 COUNTY COOK
 TOTAL SHEETS 2155
 SHEET NO. 795
 CONTRACT NO. 62A76
 ILLINOIS FED. AID PROJECT

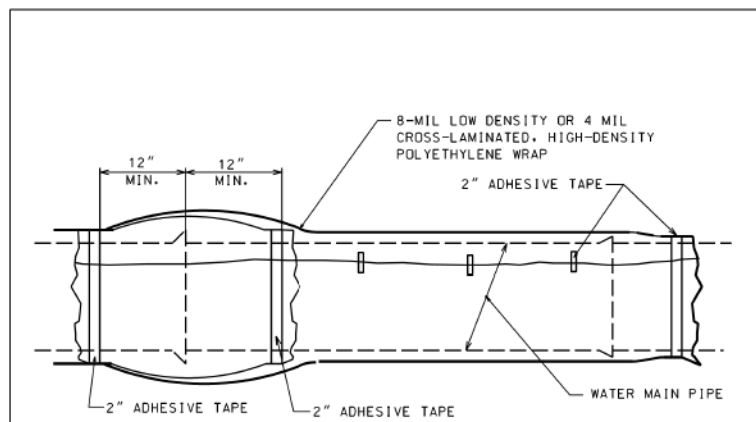


CHART "A" POLYWRAP FLAT TUBE WIDTHS

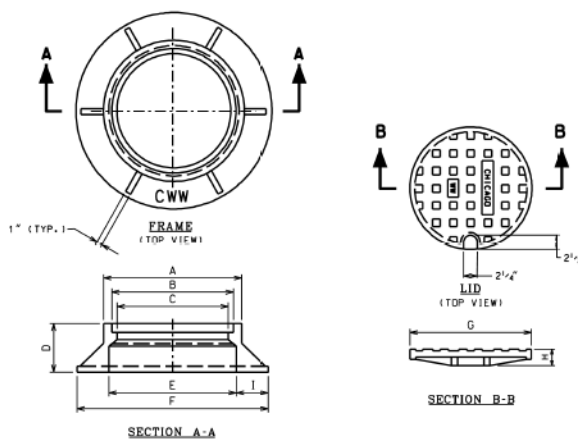
PIPE DIAMETER (IN.)	D.I.P. WITH PUSH-ON JOINTS (IN.)	D.I.P. WITH MECHANICAL JOINTS (IN.)
4	14	16
6	17	20
8	21	24
12	29	30
16	37	37
24	53	53

- NOTES:
- USE ONE LENGTH OF POLYETHYLENE TUBE WRAP FOR EACH LENGTH OF PIPE. OVERLAPPED AT PIPE JOINTS AND FOLD EXCESS OVER TOP OF TUBE FOR SLACK REDUCTION.
 - USE CHART "A" TO SELECT SIZE OF WRAP.

WATER MAIN
POLYETHYLENE WRAP DETAIL

REV104.09

D-10



NOTES:

LETTERING FOR CHICAGO W.W. ON THE LID SHALL BE 1" SHARP FACE GOTHIC LETTERS, 3/16" WIDE AND RAISED 1/8" FROM 1/8" RECESS AS MEASURED FROM THE TOP SURFACE OF THE LID.

LETTERING FOR C.W.W. ON THE FRAME SHALL BE LOCATED ON THE TOP SURFACE OF THE HORIZONTAL FLANGE AND SHALL BE 1" SHARP FACE GOTHIC, 3/16" WIDE AND RAISED 1/8" AS MEASURED FROM THE FLANGE SURFACE. LOCATION OF LETTERING SHALL BE AS INDICATED ON DRAWING.

FRAME AND LID DIMENSIONS

DIMENSION	FRAME AND LID TYPES	
	STANDARD	36" SPECIAL F&L
A	26	-
B	23	36
C	21	34
D	9	8 1/2
E	24	36
F	36	45
G	22 3/4	36
H	3	1 1/2
I	6	4 1/2

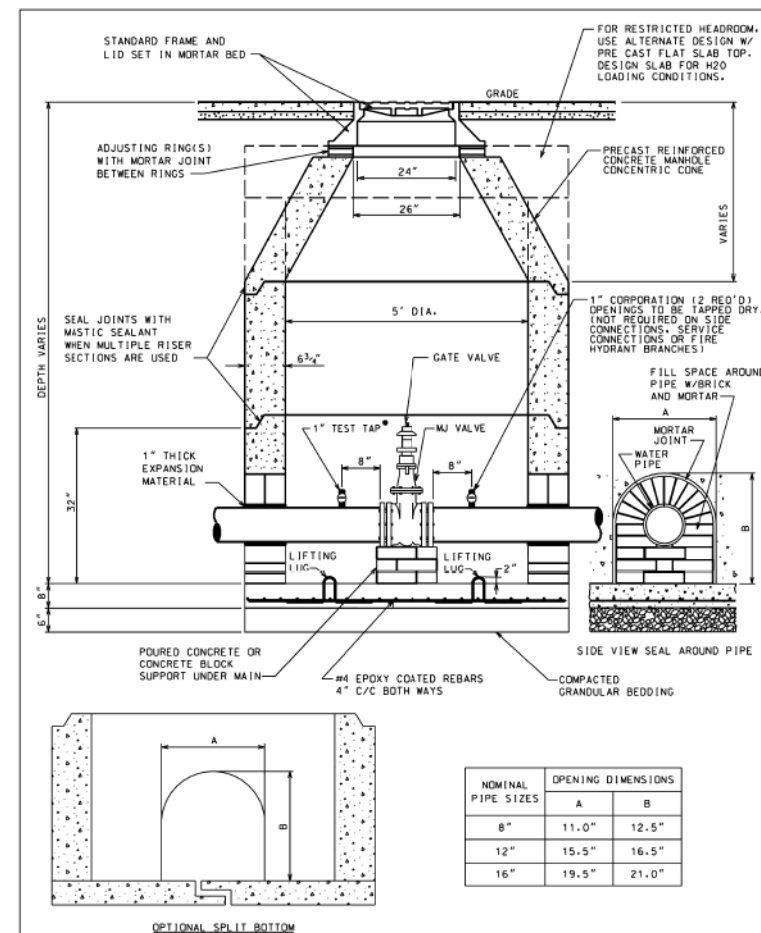
FRAME AND LID WEIGHTS

	FRAME AND LID TYPES	
	STANDARD	36" SPECIAL F&L
LID	152	-
FRAME	395	-
TOTAL	547	720

FRAME & LID

REV104.07

D-15



PRECAST VALVE BASIN
FOR PIPES UP TO 16" DIA.

REV105.09

D-13



D162A75-SHT-WM-DET-03.dgn
USER NAME = dshavez
PLOT SCALE = 48.0000' / 1" =
PLOT DATE = 3/28/2017

DESIGNED - RBB
DRAWN - AFC
CHECKED - MJE
DATE - 03/21/2017

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN DETAILS

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-Q2-I	COOK	153	61
CONTRACT NO. 62A75				
ILLINOIS FED. AID PROJECT				



D162A76-SHT-WATERMAIN-09.dgn
USER NAME = amkluver
PLOT SCALE = 100.0000' / 1" =
PLOT DATE = 1/29/2020

DESIGNED -
DRAWN - NLD
CHECKED - JMG
DATE - 1/29/20

REVISED -
REVISED -
REVISED -
REVISED -

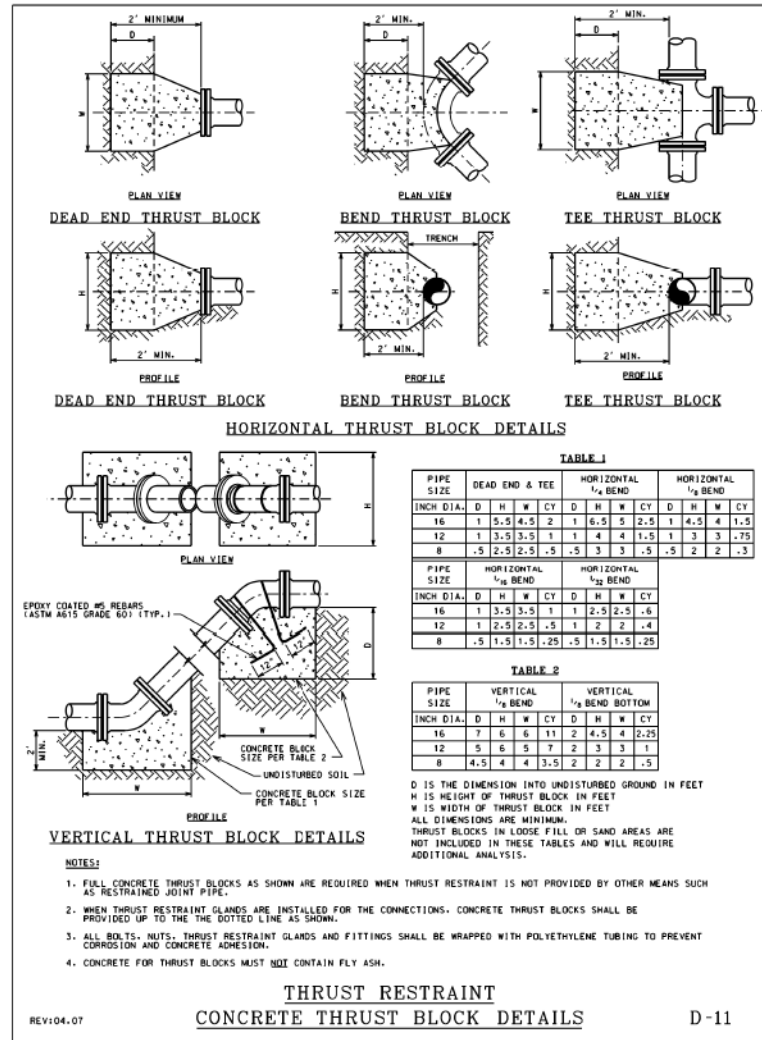
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING WATER MAIN PLANS
JACKSON BOULEVARD

SCALE: NONE SHEET 21 OF 42 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-D19R	COOK	2155	796
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

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- NOTES:**
- PAYMENT FOR DWM STANDARD THRUST BLOCKS TO BE CONSTRUCTED PER DETAIL DRAWING D-11 IS INCLUDED IN THE COST OF DUCTILE IRON WATER MAIN, MECHANICAL JOINT 16". SEE SPECIAL PROVISIONS.



D162A76-SHT-WM-DET-04.dgn	DESIGNED - RBB	REVISED -
USER NAME = dshavez	DRAWN - AFC	REVISED -
PLOT SCALE = 48,0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 3/28/2017	DATE - 03/21/2017	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

WATER MAIN DETAILS

SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-021-1	COOK	153	62
CONTRACT NO. 62A75				
ILLINOIS FED. AID PROJECT				



D162A76-SHT-WATERMAIN-10.dgn	DESIGNED -	REVISED -
USER NAME = amkluver	DRAWN - NLD	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - JMG	REVISED -
PLOT DATE = 1/29/2020	DATE - 1/29/20	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING WATER MAIN PLANS JACKSON BOULEVARD

SCALE: NONE SHEET 22 OF 42 SHEETS STA. TO STA.

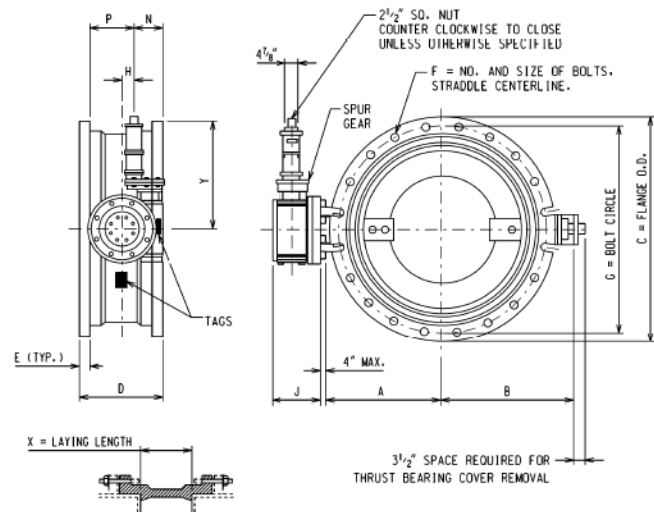
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-D19R	COOK	2155	797
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

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VALVE SIZE	A	B	C	D	E	F	G	X
24-INCH	18 1/2"	18 3/4"	31 3/8"	13 1/2"	1 3/8"	16	3 1/2"	30"
30-INCH	21 1/2"	24 1/4"	39"	18"	1 1/8"	20	1"	36 1/4"
36-INCH	25 1/4"	28 1/4"	45 1/2"	22"	2"	24	1"	43 1/4"
42-INCH	29 1/4"	32 1/4"	53"	22"	2"	28	1 1/2"	50 3/4"
48-INCH	34 1/8"	37 1/4"	59 1/2"	24"	2"	32	1 1/2"	57 1/2"

OPERATOR SIZE	J	L	M	N	P	Q	Y	VALVE	WIND UP
T-425	7 1/4"	6"	7 1/2"	6 1/4"	9 1/2"	6 3/4"	24"	36"	75
T-425	8"	6 1/2"	7 1/4"	6 1/2"	9 1/2"	6 3/4"	24"	48"	127



INSTALLATION DIAGRAM

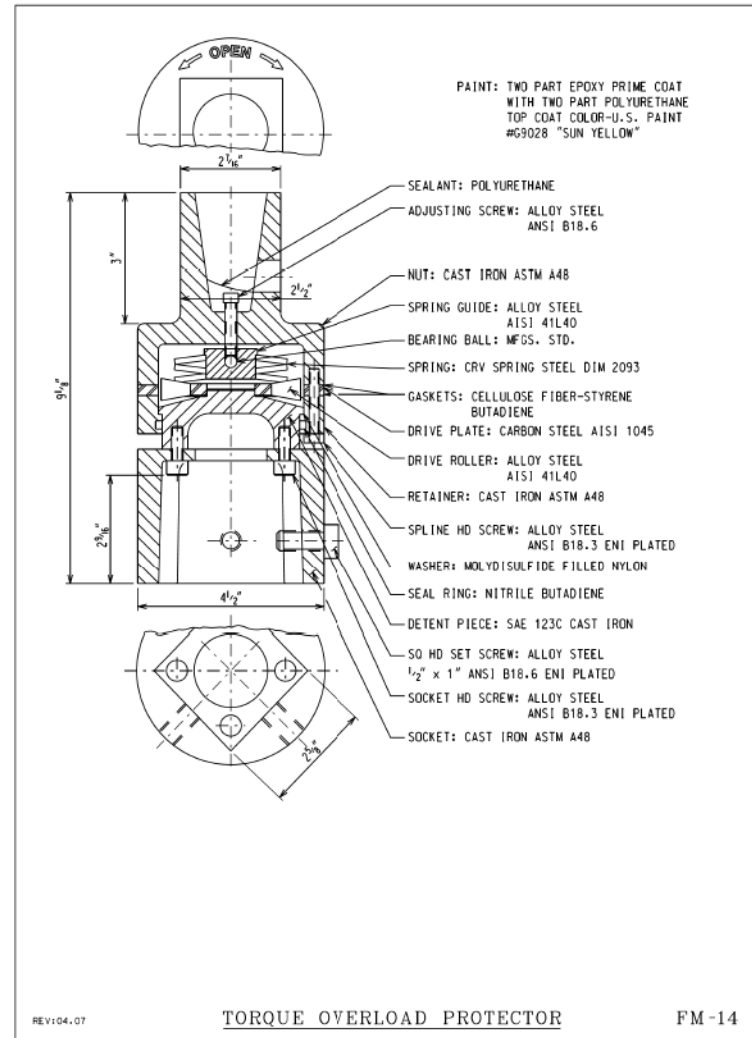
NOTE:

- BUTTERFLY VALVES SHALL BE MANUFACTURED IN ACCORDANCE WITH ANWA SPECIFICATION C-504-10 OR LATEST EDITION, CLASS 150B, SHORT BODY VALVE WITH MECHANICAL JOINT ACCESSORIES.
- OPERATORS ARE EQUIPPED WITH OPEN/CLOSE INDICATING ARROW. ASSEMBLY OPEN CLOCKWISE.

REV:07.07

BUTTERFLY VALVE

FM-13



REV:04.07

TORQUE OVERLOAD PROTECTOR

FM-14

NOTES:

- WATER MAIN CONTROL VALVE-48 INCH BUTTERFLY VALVE SHALL BE AN ADVANCE PROCUREMENT FOR CONTRACT 62A74. SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.



D162A75-SHT-WM-DET-05.dgn
 USER NAME = dmkluver
 PLOT SCALE = 40,0000' / in.
 PLOT DATE = 3/28/2017

DESIGNED - RBB
 DRAWN - AFC
 CHECKED - MJE
 DATE - 03/21/2017

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

WATER MAIN DETAILS
 48 INCH BUTTERFLY VALVE ADVANCE PROCUREMENT

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-021-1	COOK	153	63
			CONTRACT NO. 62A75	

ILLINOIS FED. AID PROJECT



D162A76-SHT-WATERMAIN-11.dgn
 USER NAME = amkluver
 PLOT SCALE = 100,0000' / in.
 PLOT DATE = 1/29/2020

DESIGNED -
 DRAWN - NLD
 CHECKED - JMG
 DATE - 1/29/20

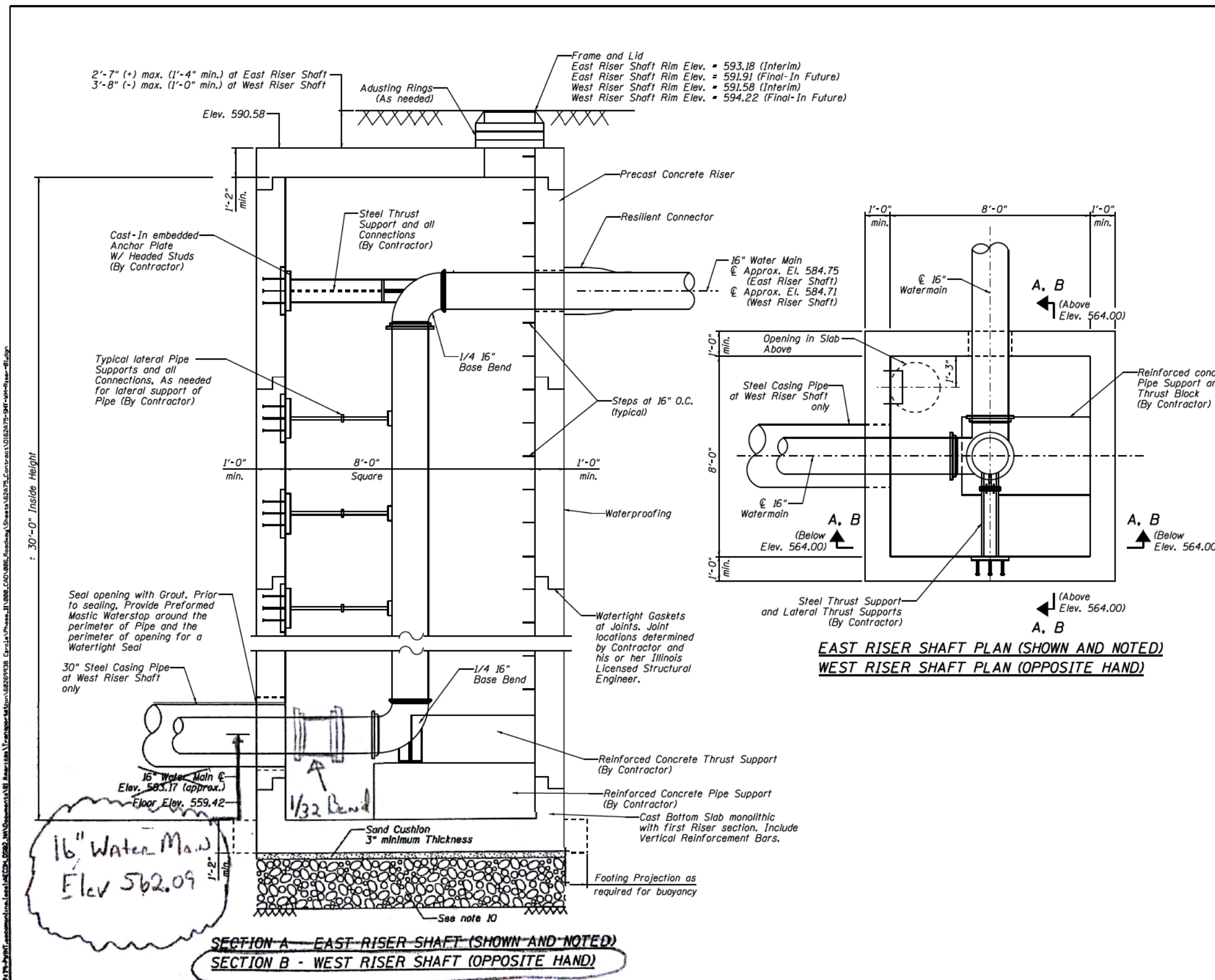
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING WATER MAIN PLANS
 JACKSON BOULEVARD

SCALE: NONE SHEET 23 OF 42 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-D19R	COOK	2155	798
			CONTRACT NO. 62A76	

ILLINOIS FED. AID PROJECT



- NOTES:**
- For water main general notes, construction sequencing notes, location plans and profile and water main and structure details, see sheet Nos. 54 through 67.
 - Riser shaft for the relocated water main shall be designed and constructed of precast reinforced concrete to the minimum requirements shown on the drawings, special provision for Precast Concrete Riser, required references and as shown at contractor's option, riser shaft may be constructed of cast-in-place concrete.
 - Riser shaft, pipe supports and thrust restraints for the relocated water main, including embedments into riser structure and all connections shall be designed by an Illinois Licensed Structural Engineer employed by the Contractor. Contractor shall submit design calculations, drawings and details sealed and signed by the Contractor's Illinois Licensed Structural Engineer.
 - Test pressure for water mains = 100 psi. Thrust restraints and riser shall be designed for 1.5 times the maximum test pressure.
 - All reinforcing bars shall be epoxy coated.
 - Concrete strength shall meet or exceed 5000 psi at 28 days.
 - Exterior surfaces of riser shaft shall be waterproofed for watertight structure.
 - Concrete cover:
 - Concrete placed against earth - 3"
 - Concrete in contact with earth or water - 2"
 - Soft clays occur in the soil profile for the borings in this area. Contractor shall review geotechnical report and boring logs in his selection of methods to support the excavation and for the design of the riser shaft and thrust restraints. Surface and subsurface water shall not be permitted to enter the excavation. The contractor shall comply with the requirements of the Illinois Department of Transportation (IDOT) and the various infrastructure departments of the City of Chicago, including, but not limited to, the Chicago Department of Transportation (CDOT), the Office of Underground Coordination (OUC) and the Department of Water Management (DWM).
 - During construction, soft clay is expected at the base of the excavation and a working platform will be required. To establish a working platform at the base of the precast riser shafts, the soil should first be evaluated during construction by the Engineer. The working platform shall consist of a minimum of 2 feet of compacted CA-1 gradation aggregate, capped with 6 inches of CA-6 gradation aggregate. The working platform at the base of the concrete riser shall be considered included within the cost of the Steel Casing Pipe Augered and Jacked 30".
 - Exact locations of existing water mains and existing below grade structures and utilities shall be determined in the field prior to excavation for water mains. Any conflicts with existing structures and utilities due to field conditions encountered that will impact construction shall be brought to the attention of the Engineer, so as not to delay construction, along with detailed locations of conflicting structures and utilities and suggested solutions to resolve the conflict for Engineer review and approval. Any changes required as a result of field conditions encountered shall be considered included within the cost of the respective pay item.
 - Contractor shall protect existing buried and above ground structures and utilities that are to remain during construction of the water main and riser shaft. The cost of such protection shall be included within the cost of the respective pay item.
 - All work to conform to IDOT Standard Specifications for Road and Bridge Construction, latest edition, unless otherwise specified. Use more stringent requirement where requirements conflict.
 - Assumed allowable net design soil bearing pressure=1500 psf. Verify in field by Contractor's Independent Geotechnical Engineer.
 - Coat all steel pipe supports and thrust supports with a polyamide epoxy paint system. Prepare surface and prime in accordance with coating manufacturer's recommendations.
 - The water main in the riser shall be paid for as "Ductile Iron Water Main, Mechanical Joint 16" at each location.

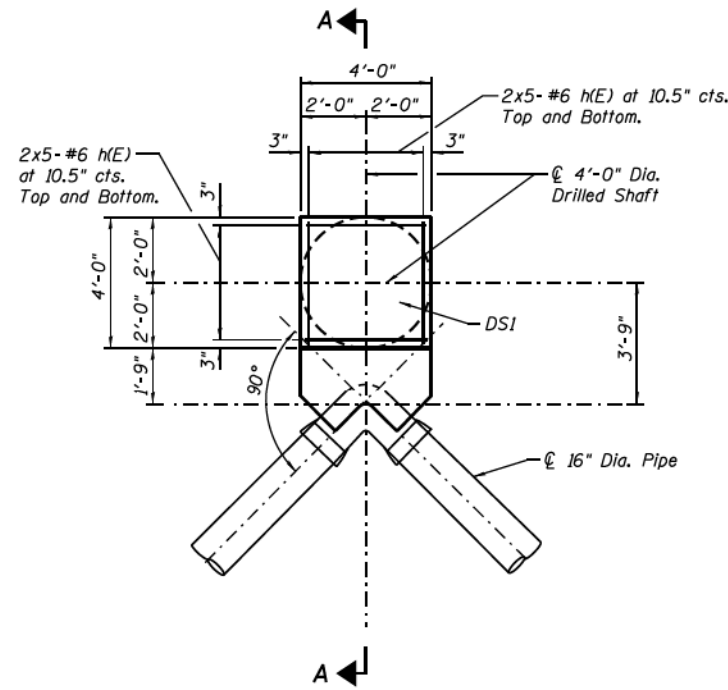
**EAST RISER SHAFT PLAN (SHOWN AND NOTED)
WEST RISER SHAFT PLAN (OPPOSITE HAND)**

**SECTION A - EAST RISER SHAFT (SHOWN AND NOTED)
SECTION B - WEST RISER SHAFT (OPPOSITE HAND)**

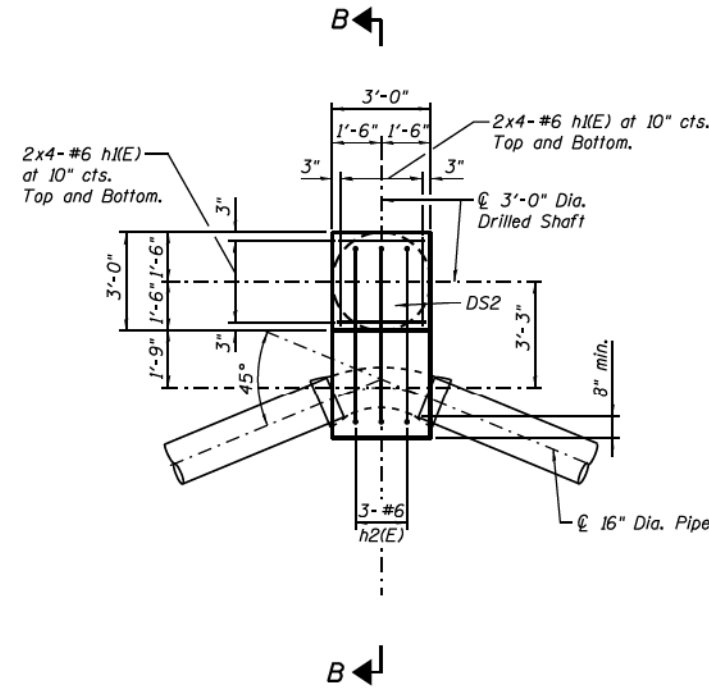
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	CONTRACT NO. 62A75						ILLINOIS FED. AID PROJECT						
	ILLINOIS FED. AID PROJECT												
	ILLINOIS FED. AID PROJECT												

	D162A76-SHT-WATERMAIN-12.dgn USER NAME = amkluver PLOT SCALE = 1/8" = 1'-0" PLOT DATE = 1/29/2020	DESIGNED - DRAWN - NLD CHECKED - JMG DATE - 1/29/20	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING WATER MAIN PLANS JACKSON BOULEVARD SCALE: NONE SHEET 24 OF 42 SHEETS STA. TO STA.	F.A.I. RTE. 90/94/290	SECTION 2015-D19R	COUNTY COOK	TOTAL SHEETS 2155	SHEET NO. 799			
	CONTRACT NO. 62A76						ILLINOIS FED. AID PROJECT						
	ILLINOIS FED. AID PROJECT												
	ILLINOIS FED. AID PROJECT												

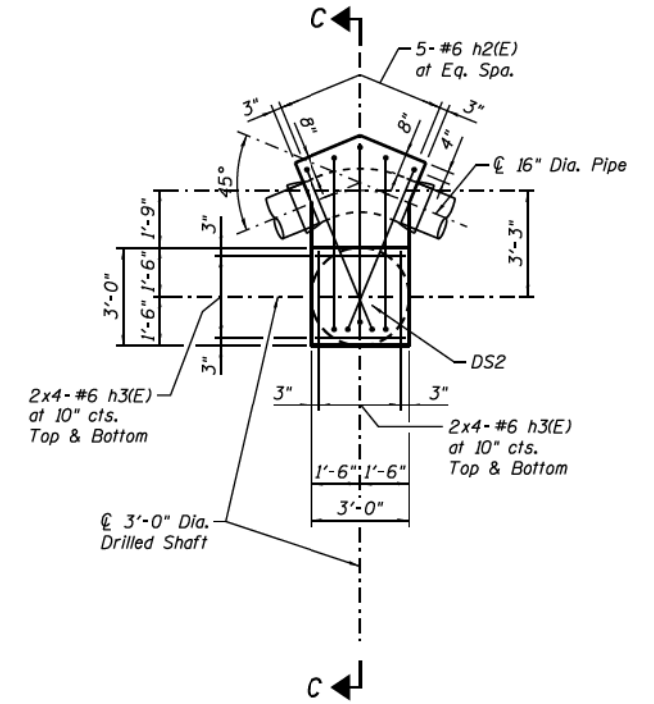
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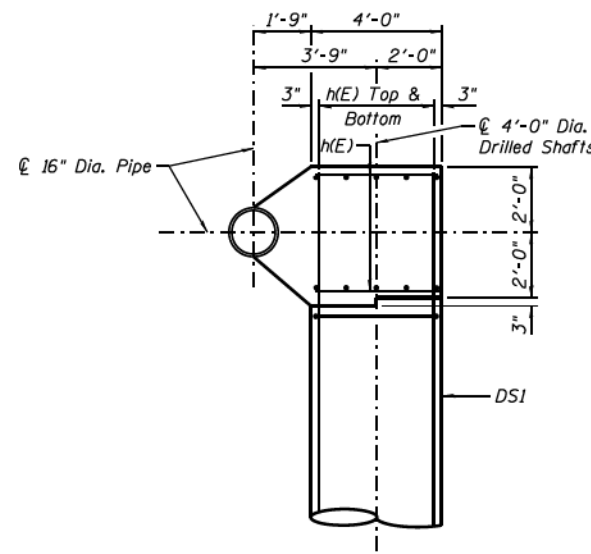
PLAN DETAIL
THRUST RESTRAINT - TYPE 1 (1 THUS)



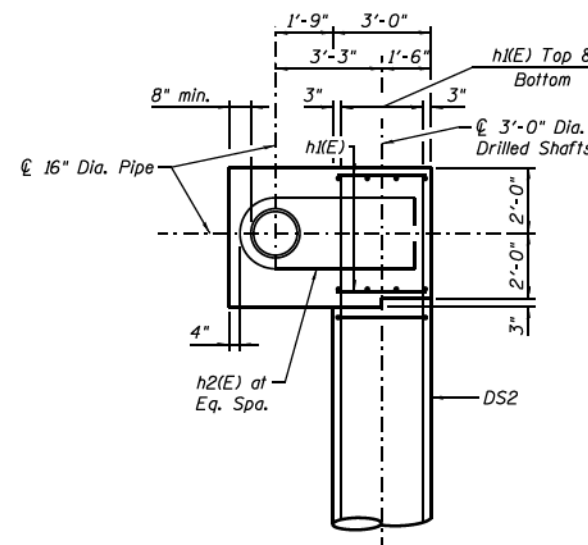
PLAN DETAIL
THRUST RESTRAINT - TYPE 2 (2 THUS)



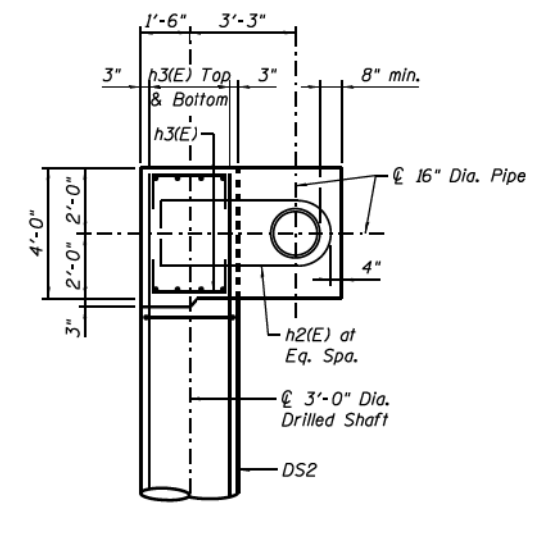
PLAN DETAIL
THRUST RESTRAINT - TYPE 3 (1 THUS)



SECTION A-A



SECTION B-B



SECTION C-C

NOTES:

1. Work this sheet with Sheet No. 66.



D162A75-SHT-WM-Thrust-Detail-01.dgn
USER NAME = f1orresg
PLOT SCALE = 200' / 1" / 1" / 1"
PLOT DATE = 3/17/2017

DESIGNED -	AAG	REVISED -	
DRAWN -	GF	REVISED -	
CHECKED -	KWH/AAG	REVISED -	
DATE -	03/21/2017	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN THRUST RESTRAINT DETAILS AND SECTIONS

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-021-I	COOK	153	65
CONTRACT NO. 62A75				
ILLINOIS FED. AID PROJECT				



D162A76-SHT-WATERMAIN-13.dgn
USER NAME = amkluver
PLOT SCALE = 100.0000' / 1" / 1" / 1"
PLOT DATE = 1/29/2020

DESIGNED -		REVISED -	
DRAWN -	NLD	REVISED -	
CHECKED -	JMG	REVISED -	
DATE -	1/29/20	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING WATER MAIN PLANS
JACKSON BOULEVARD

SCALE: NONE SHEET 25 OF 42 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-D19R	COOK	2155	800
CONTRACT NO. 62A76				
ILLINOIS FED. AID PROJECT				

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