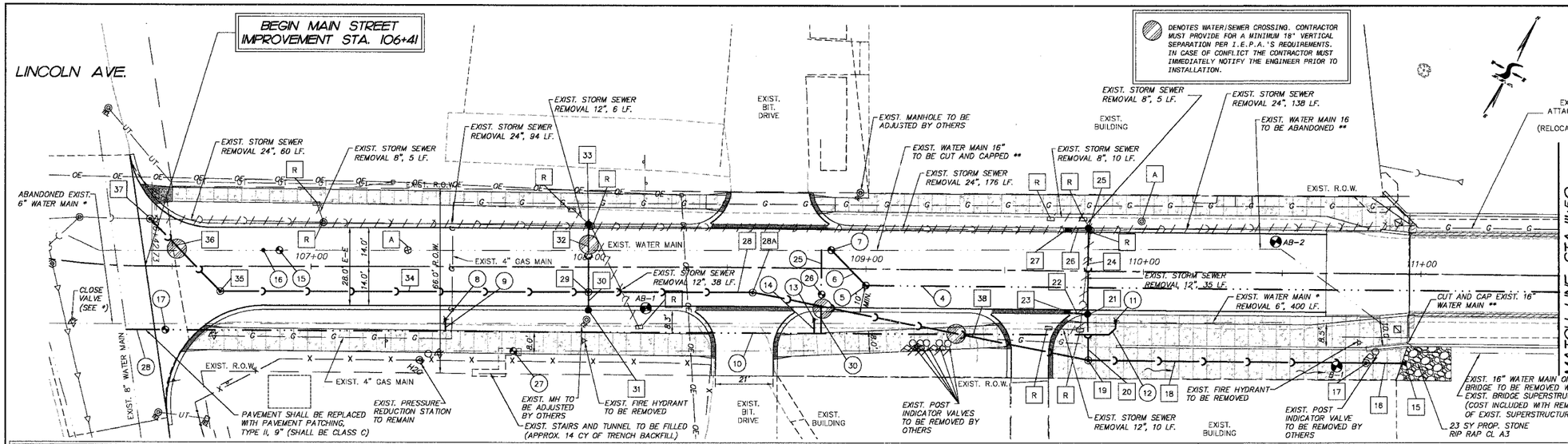
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1283	02-00059-00-BR	KANE	51	12
STA.	106+41 TO STA.	111+50		
FED. ROAD DIST. NO. 1	ILLINOIS	HIGHWAY PROJECT		

CONTRACT #: 83783

BEGIN MAIN STREET IMPROVEMENT STA. 106+41

LINCOLN AVE.

DENOTES WATER/SEWER CROSSING. CONTRACTOR MUST PROVIDE FOR A MINIMUM 18" VERTICAL SEPARATION PER I.E.P.A.'S REQUIREMENTS. IN CASE OF CONFLICT THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE ENGINEER PRIOR TO INSTALLATION.



LEGEND

- DENOTES EXISTING STORM SEWER TO BE REMOVED, SIZE AS INDICATED.
- R — DENOTES STRUCTURE TO BE REMOVED (MANHOLE, VALVE VAULT, CATCH BASIN OR INLET)
- # — DENOTES PROPOSED DRAINAGE STRUCTURE OR STORM SEWER
- # — DENOTES PROPOSED WATERMAIN OR VALVE
- A — DENOTES EXISTING STRUCTURE TO BE ADJUSTED WITH NEW TYPE 1 FAME AND GRATE, CLOSED LID
- REC — DENOTES EXISTING STRUCTURE TO BE RECONSTRUCTED WITH NEW TYPE 1 FAME AND GRATE, CLOSED LID
- INDICATES SOIL BORING LOCATION (SEE BORING LOGS FOR DETAILS)

1. EXISTING UTILITIES WITHIN THE AREA OF ROADWAY IMPROVEMENT SHALL BE REMOVED AND RELOCATED, IF NECESSARY FOR CONSTRUCTION BY THE UTILITY COMPANY WHICH HAS JURISDICTION OVER IT.
2. THE EXISTING 16" WATER MAIN SHALL REMAIN IN SERVICE UNTIL THE PROPOSED BORED WATERMAIN IS INSTALLED AND IN SERVICE.
3. ADAPTERS REQUIRED BETWEEN HDPE WATER MAIN AND DIP WATER MAIN SHALL BE INCIDENTAL TO WATER MAIN HDPE, DIRECTIONAL BORING 16

* LIMITS OF WATER MAIN REMOVAL 6" SHALL BE WITHIN THE PROPOSED IMPROVEMENTS STARTING AT STA. 106+41. WATER MAIN SHALL BE ABANDONED FROM THE EXISTING VALVE INDICATED TO BE CLOSED TO THE LIMITS OF THE PROPOSED IMPROVEMENTS. COST FOR ABANDONING EXISTING 6" WATER MAIN AND CLOSING VALVE SHALL BE INCIDENTAL TO THIS ITEM AND SHALL BE DONE IN ACCORDANCE WITH THE SPECIAL PROVISION FOR "ABANDON EXISTING WATER MAIN AND FIRE HYDRANTS"

** CUTTING, CAPPING AND ABANDONING EXISTING 16" WATER MAIN SHALL BE PAID FOR UNDER "ABANDON EXISTING WATER MAIN AND FIRE HYDRANTS."

STORM SEWER:

15 PRC FLARED END SECTION, 30" STA. 110+95, 32' R INV = 713.50

16 6 LF STORM SEWER RG CLASS A, TYPE 1, 30 @ 1.00% (TBF= 2 CY)

17 MH TA 5' DIA T1F CL STA. 110+80.5, 32' R RIM = 718.33 INV = 714.03 (SW) 30" INV = 713.82 (NE) 30"

18 111 LF STORM SEWER RG CLASS A, TYPE 1, 30 @ 1.10% (TBF 29 CY)

19 MH TA 5' DIA T1F CL STA. 109+80, 32' R RIM = 720.18 INV = 717.67 (NW) 15" INV = 715.75 (SW) 30" INV = 715.25 (NE) 30"

20 12 LF STORM SEWER RG CLASS A, TYPE 1, 15 @ 1.0% (TBF= 2 CY)

21 CB TA 4' DIA T11 F&G STA. 109+80, 15.5' R T/C = 721.99 INV = 717.99 (SW) 12" INV = 717.79 (NW) 12" INV = 717.79 (SE) 15"

22 5 LF STORM SEWER RG CLASS A, TYPE 1, 12 @ 0.40% (TBF= 1 CY)

23 INLET TA 2' DIA T11 F&G (DRIVEWAY GRATE) STA. 109+72.75 15.5' R T/C = 721.97 INV = 718.01 (NE) 12"

24 28 LF STORM SEWER RG CLASS A, TYPE 1, 12 @ 1.0% (TBF= 4 CY)

25 CB TC 2' DIA T11 F&G STA. 108+80, 15.5' L T/C = 721.99 INV = 718.05 (SW) 12" INV = 718.05 (SE) 12"

26 5 LF STORM SEWER RG CLASS A, TYPE 1, 12 @ 1.0% (TBF= 1 CY)

27 INLET TA 2' DIA T11 F&G STA. 109+72.75, 15.5' L T/C = 721.97 INV = 718.10 (NE) 12"

28 55 LF STORM SEWER RG CLASS A, TYPE 1, 30 @ 1.06% (TBF= 49 CY)

28A MH TA 5' DIA T1F CL STA. 108+59, 9' R RIM = 722.88 INV = 717.00 (SW) 30" INV = 717.00 (NE) 30"

29 MH TA 5' DIA T1F CL STA. 108+00, 9' R RIM = 723.78 INV = 721.01 (SE) 12" INV = 721.05 (NW) 12" INV = 718.12 (SW) 27" INV = 717.58 (NE) 30"

30 3 LF STORM SEWER RG CLASS A, TYPE 2, 12 @ 1.00% (TBF= 1 CY)

31 CB TC 2' DIA T11 F&G STA. 108+00, 15.5' R T/C = 724.09 INV = 721.04 (N) 12"

32 20 LF STORM SEWER RG CLASS A, TYPE 2, 12 @ 1.0% (TBF= 4 CY)

33 CB TA 4' DIA T11 F&G STA. 108+00, 20.5' L T/C = 724.09 INV = 721.25 (SE) 12"

34 128 LF STORM SEWER RG CLASS A, TYPE 2, 27 @ 1.30% (TBF= 92 CY)

35 MH TA 5' DIA T1F CL STA. 106+67, 9' R RIM = 726.46 INV = 720.32 (NW) 27" INV = 719.78 (E) 27"

36 32 LF STORM SEWER RG CLASS A, TYPE 2, 27 @ 1.30% (TBF= 21 CY)

37 MH TA 5' DIA T1F CL STA. 106+42, 17' L RIM = 727.00 INV = 723.32 (SW)(EXIST INVERT) 24" INV = 720.74 (SE) 27"

38 119 LF STORM SEWER RG CLASS A, TYPE 1, 30" @ 1.05% (TBF 73 CY)

WATER MAIN:

4 700 LF WATER MAIN HDPE, DIRECTIONAL BORING 16

5 VV TA 5' DIA T1F CL (* SPECIAL, SEE DETAIL) STA. 109+00, 6' R RIM = 722.41

6 18 LF WATER MAIN 16"

7 VV TA 5' DIA T1F CL STA. 108+87, 6.5' L RIM = 722.59

8 FIRE HYDRANT STA. 107+48, 18.5' R BURY = 724.89

9 7 LF WATER MAIN 8

10 342 LF WATER MAIN 8

11 FIRE HYDRANT STA. 109+90, 18.0' R BURY = 722.10

12 8 LF WATER MAIN 8

13 FIRE HYDRANT STA. 108+81, 18.5' R BURY = 722.94

14 8 LF WATER MAIN 8

15 VV TA 4' DIA T1F CL STA. 106+89, 6' L RIM = 726.08

16 TEMPORARY LINE STOPPER 16"

17 VV TA 4' DIA T1F CL STA. 106+48, 23' R RIM = 726.84

25 16 LF WATER MAIN 8

26 VV TA 4' DIA T1F CL STA. 108+84, 9.5' R RIM = 722.60

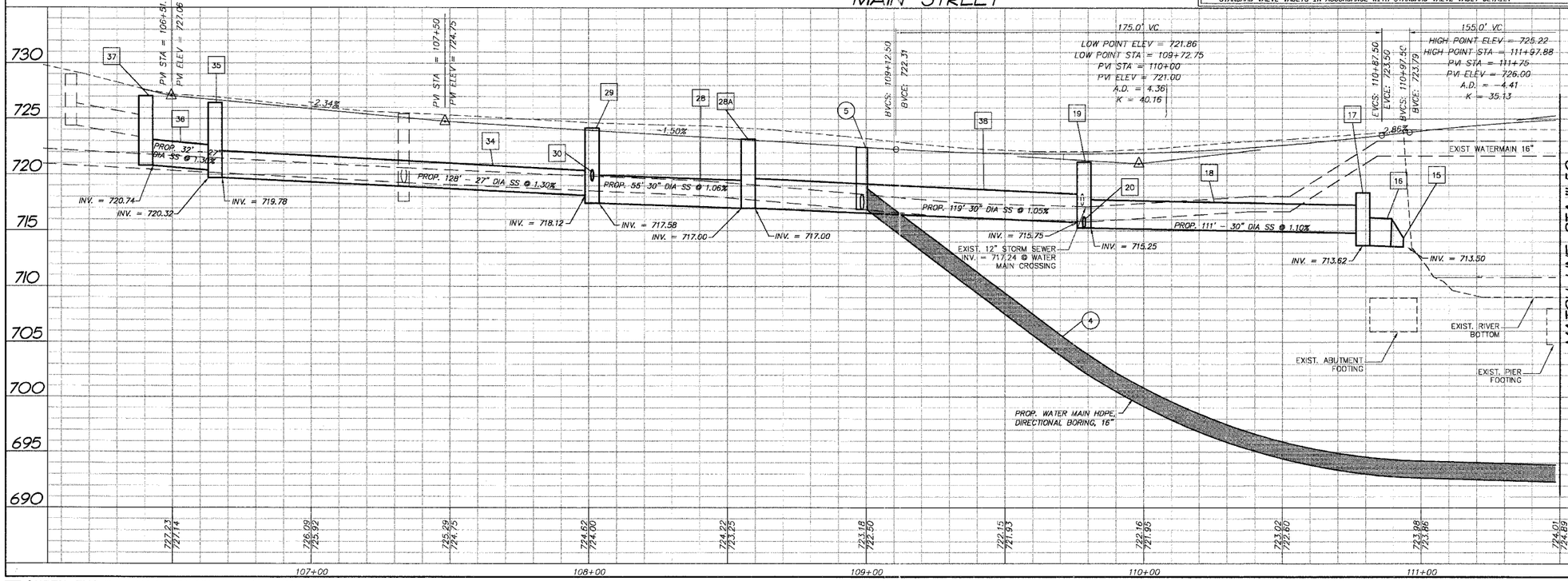
27 VV TA 4' DIA T1F CL STA. 107+72, 30' R RIM = 724.67

28 14 LF WATER MAIN 8

30 17 LF WATER MAIN 8

* UNLESS SPECIFIED AS SPECIAL VALVE VAULT ALL VALVE VAULTS SHALL BE STANDARD VALVE VAULTS IN ACCORDANCE WITH STANDARD VALVE VAULT DETAIL.

MAIN STREET



MAIN STREET BRIDGE
VILLAGE OF CARPENTERSVILLE
DRAINAGE AND UTILITY
PLAN AND PROFILE
SCALE: VERT. 1"=5' HORIZ. 1"=20' DRAWN BY: WJH
DATE: 04-11-2005 CHECKED BY: TEH

	BY	DATE
FINAL		
SURVEY	SURVEYED	
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS CHECKED	

COMP FILE: C40157-pp01.dwg
PLOT FILE:
VIEW: CE-12

SMITH ENGINEERING CONSULTANTS INC.