MATCH LINE STATION 182+00

MATCH LINE STATION 197+00

185+00 190+00 195+00

CTA BLUE LINE

℄ I-190

℄ RIVER RD.

EB 190 RAMP

MH-301
MAN TA 4D T1F CL SPL•
R C PIPE TEE 84P 48R

DEFLECT PIPE ALIGNMENT
PER ENGINEERS APPROVAL
(COST INCLUDED IN THE UNIT
PRICE FOR STORM SEWER)
(STA. 182+35.4 202.6' RT)
(STA. 183+44.1 215.3' RT)

STORM SEW CL A 2 84

JUNCTION CHAMBER •1

SB-8

HMA SC "D" N70, 2
HMA BASE CSE 8
TRENCH BACKFILL

EXISTING 72"
STORM SEWER

AGGREGATE - TEMP ACCESS
MAINTAIN ACCESS TO SITE
DURING CONSTRUCTION

EXIST. R.O.W.

CONCRETE
COLLAR

MH-302
MAN TA 4D T1F CL SPL•
R C PIPE TEE 72P 48R

STORM SEW CL A 2 72•

CH LK FENCE 4

DEFLECT PIPE ALIGNMENT
PER ENGINEERS APPROVAL
(COST INCLUDED IN THE UNIT
PRICE FOR STORM SEWER)
(STA. 182+80.8 219.0' RT)
(STA. 183+43.8 226.3' RT)

MH-303
MAN TA 4D T1F CL SPL
R C PIPE TEE 84P 48R

CONCRETE COLLAR
DEFLECT PIPE ALIGNMENT
APPROXIMATELY 2° PER
MANUFACTURER'S
RECOMMENDATION

MH-304
MAN TA 4D T1F CL SPL•
R C PIPE TEE 84P 48R

JACKING / RECEIVING PIT
(APPROX. LIMITS)

CONCRETE
COLLAR

24" STORM SEWER
CONNNECTION
(SEE DETAIL)

CB-309
(SEE SCHEDULE)

STORM SEW
CL A 3 84•

JUNCTION
CHAMBER •2

SB-9

MH-305
MAN TA 4D T1F CL SPL
R C PIPE TEE 84P 48R

STORM SEWERS JKD 84

DEFLECT PIPE ALIGNMENT
PER ENGINEERS APPROVAL
(COST INCLUDED IN THE UNIT
PRICE FOR STORM SEWER)
(STA. 188+87.9 178.5' RT)
(STA. 188+91.1 197.3' RT)
(STA. 189+93.7 150.8' RT)
(STA. 189+96.9 169.6' RT)

CB-306
(SEE SCHEDULE)

STORM SEWERS JKD 96

CONCRETE COLLAR
DEFLECT PIPE ALIGNMENT
APPROXIMATELY 3° PER
MANUFACTURER'S
RECOMMENDATION

JACKING / RECEIVING PIT
(APPROX. LIMITS)

STORM SEW CL A 3 15 (16 LF)
PER CONNECTION DETAIL
(SEE SCHEDULE)

JACKING / RECEIVING PIT
(APPROX. LIMITS)

CB-308
(SEE SCHEDULE)

JACKING / RECEIVING PIT
(APPROX. LIMITS)

SB-10

JACKING / RECEIVING PIT
(APPROX. LIMITS)

SB-11

EXISTING 84" STORM SEWER

DEFLECT PIPE ALIGNMENT PER
ENGINEERS APPROVAL
(COST INCLUDED IN THE UNIT
PRICE FOR STORM SEWER)
(STA. 193+95.0 99.3' RT)

SEE DETAIL
SHEET 17

NOTE: INVERT ELEVATIONS OF EXISTING STORM SEWERS AND PROPOSED CONNECTIONS ARE PROVIDED FOR REFERENCE ONLY AND ARE NOT FIELD VERIFIED. CONTRACTOR SHALL CONFIRM EXISTING ELEVATIONS PRIOR TO ORDERING AND INSTALLING STORM SEWER. ADJUST ELEVATIONS AS NECESSARY TO FIT FIELD CONDITIONS

655 650 645 640 635 630 625 620 615

MH-301 MAN TA 4D T1F CL SPL
STA. 182+27.41 203.05' RT
T/ FRAME = 637.95

JUNCTION CHAMBER •1
STA. 183+62.20 219.73' RT
T/ FRAME = 637.15
INV = 622.15

MH-303 MAN TA 4D T1F CL SPL
STA. 186+68.22 215.19' RT
T/ FRAME = 634.80
INV = 621.32

LIMITS OF STORM SEWERS
JACKED IN PLACE, 84"

MH-305 MAN TA 4D T1F CL SPL
STA. 188+83.09 197.95' RT
T/ FRAME = 638.90

JUNCTION CHAMBER •2
STA. 190+13.85 158.29' RT
T/ FRAME = 638.16
INV = 620.18

LIMITS OF STORM SEWERS
JACKED IN PLACE, 96"

LIMITS OF STORM SEWERS
JACKED IN PLACE, 96"

EXISTING GROUND LINE

EXISTING UTILITY
(APPROXIMATE LOCATION)

EXISTING
UTILITIES
(APPROXIMATE
LOCATION)

EXISTING UTILITIES
(APPROXIMATE LOCATION)

125 LF 84"Ø
RCP TYPE 2 @ 0.24%

296 LF 84"Ø
RCP TYPE 2 @ 0.28%

186 LF 84"Ø
RCP JKD @ 0.32%

22 LF 84"Ø
RCP TYPE 3 @ 0.32%

12 LF 96"Ø
RCP TYPE 4 @ 0.37%

15" INV=626.00
18" INV=626.00

175 LF 96"Ø
RCP JKD @ 0.37%

125 LF 84"Ø
RCP TYPE 3 @ 0.33%

24" INV=624.18

256 LF 96"Ø
RCP TYPE 4 @ 0.37%

219 LF 96"Ø
RCP JKD @ 0.37%

30" INV=622.74

• REFER TO SHEET 16 FOR
PROPOSED 72"Ø STORM SEWER
PLAN AND PROFILE

• REFER TO SHEET 16 FOR
PROPOSED 84"Ø (LEFT) STORM
SEWER PLAN AND PROFILE

638.13 637.91 637.70 637.57 637.37 637.12 636.95 636.90 637.04 637.38 637.49 637.49 637.50 637.01 636.32 635.90 635.22 634.72 634.36 635.52 640.37 641.14 641.03 640.81 640.39 640.24 640.61 640.58 640.34 636.66 637.28 636.82 636.88 639.44 643.10 645.14 646.06 645.90 645.36 645.02 644.70 644.41 644.05 643.52 642.66 642.14 641.61 641.08 640.13 639.47 639.03 638.20 637.06 637.95 633.01 631.93 631.90 631.86 632.14 635.11 637.83

182+00 183+00 184+00 185+00 186+00 187+00 188+00 189+00 190+00 191+00 192+00 193+00 194+00 195+00 196+00 197+00

PLAN
SURVEYED
PLOTTED
PLANS CHECKED
R.O.W. CHECKED
NOTE BOOK
NO.
CADD FILE NAME
BY
DATE

PROFILE
SURVEYED
PLOTTED
PLANS CHECKED
R.O.W. CHECKED
B.M. NOTED
STRUCTURE NOTATING CHKD
NOTE BOOK
NO.

FILE NAME = g:\projects\2102155.01\cadd\civil\sht\D160F90-13sht-pinpr03.dgn

ENTRAN

USER NAME = 2bookd
PLOT SCALE = 50.00 ft / IN.
PLOT DATE = 10/25/2011

DESIGNED - DJB
DRAWN - ENTRAN
CHECKED - DAK
DATE - 09/07/11

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PUMP STATION 24 STORM SEWER IMPROVEMENT
STORM SEWER PLAN AND PROFILE

SCALE: 50.00 ft / IN. SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
190	0102.5-T	COOK	41	14
		CONTRACT NO. 60F90		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		