HEUER AND ASSOCIATES
Consulting Engineers
2315 Enterprise Drive - Suite 102 Westchester, IL 60154-5811 708-492-1000

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET No.
1004	08-00079-02-FP	COOK	32	25
STA. 82+50	TO STA. 93+00			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
BLUFF AVE. IMPROVEMENTS - STAGE 2	DATE: 02/27/2009	DRAINAGE AND UTILITY IMPROVEMENTS		

CONTRACT No. 63149

BEGINNING OF PROJECT COSSITT AVENUE STATION 91+00.00

END OF PROJECT WASHINGTON AVENUE STATION 83+24.00

END OF PROJECT COSSITT AVENUE STATION 93+00.00

EXISTING R.O.W.

66' R.O.W.

INV.: 606.16
STA. 91+35.00

SANITARY T/P = 620.50 EST.
SANITARY B/P = 619.95 EST.
STORM T/P = 616.99
STORM B/P = 605.33

#9147:
CATCH BASIN, TYPE A, 4'-DIAMETER,
WITH VAPOR TRAP AND
TYPE 23 FRAME AND GRATE
STA. 91+47.00 / 15.00' R (E/P)
RIM: 625.15 (E/P)
INV.: 621.52 N

BASELINE 8

EXISTING R.O.W.

COSSITT AVE.

167' - 120" RCP @ 0.10%

EXISTING DIVERSION STRUCTURE

EXISTING 120" ENTRANCE CONDUIT TO DROP SHAFT #1 (INSTALLED UNDER MWRD PERMIT 91-071)

EXISTING MWRD DEEP TUNNEL (13A) CONNECTION STRUCTURE

EXISTING MWRD DROP SHAFT #1

120" x 60" WYE

INV.: 608.25 (60" RCP BRANCH)
STA. 83+04.67

CONTRACTOR TO MAINTAIN SANITARY FLOW DURING CONSTRUCTION

EXISTING
INV.: 606.00

PRECAST BULKHEAD, 120"
STA. 91+24.00 / 22.00' R
(REMOVED FROM EXISTING PIPE
AND REPLACED IN END OF WYE)

INV: 619.88
(MATCH EX.)

28' - 8" PVC @ 1.0%

8" PVC STORM B/P = 619.70
60" RCP STORM T/P = 613.95
60" RCP STORM INV = 608.45

14' - 60" RCP @
0.42% IN TRENCH

#8257:
PRECAST "T" MANHOLE FOR 60" SEWER,
(OFFSET WITH STEPS),
TYPE 1 FRAME, CLOSED LID
STA. 82+57.00 / 4.00' L
RIM: 625.50
INV: 608.51
(SEE DETAIL)

START TUNNEL
STA. 82+50.00
60" RCP INV: 608.54

MATCHLINE, STA. 82+50
SEE SHEET 24

47' - 60" RCP @ 0.42%
IN TRENCH (LENGTH END OF
WYE TO CENTER OF BEND)

INV.: 608.45 (CENTER OF
BEND) STA. 82+71.30

60" 1/8 BEND

PROPOSED 120" CONNECTION TO BE ENCASED IN CONCRETE PIPE CRADLE AND CONCRETE JOINT COLLAR (INCIDENTAL) (SEE DETAIL)

REMOVE EXISTING PRECAST BULKHEAD, 120" AND INSTALL AT UPSTREAM END OF NEW WYE
STA. 92+91.00 / 22.00' R
(SEE DETAIL)

30' EASEMENT

CUT-IN CONNECTION
W/ RESILIENT CONNECTOR
INV: 619.64
ABANDON EXISTING
NW CONNECTION AS REQUIRED

16' x 25' ACCESS PIT

7' - 60" RCP @ 0.42%
(TRENCH)

WASHINGTON AVE.

EAST AVE.

NOTES:

1. SANITARY SEWER SERVICE LATERALS AND DRAINAGE STRUCTURE LATERALS SHALL BE CONNECTED TO THE ASSOCIATED SEWER AT MANHOLE STRUCTURES, OR AT WYE OR TEE CONNECTIONS. THE EXACT LOCATION OF EACH SEWER SERVICE LATERAL SHALL BE CONFIRMED IN THE FIELD.
2. UNLESS OTHERWISE NOTED:
SEWER LENGTHS LISTED CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
SEWER SLOPES CALCULATED END OF PIPE TO END OF PIPE.

NOTES:

3. ALL COMBINATION/SANITARY MANHOLES TO HAVE RESILIENT CONNECTORS CONFORMING TO ASTM C-923.
4. CONTRACTOR SHALL PROVIDE, AS REQUIRED, SHEETING SHORING, AND/OR BRACING AS CALLED FOR IN ARTICLE 552 OF THE STANDARD SPECIFICATIONS (INCIDENTAL).

SCALE:
1"=20' H
1"=2' V

PLAN
SURVEYED
PLOTTED
CROSS CHECKED
R.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
CROSS CHECKED
R.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

PROPOSED 120" RELIEF SEWER

PROPOSED CONCRETE JOINT COLLAR

PROPOSED 60" RELIEF SEWER

EXISTING 120" ENTRANCE CONDUIT TO DROP SHAFT #1 (INSTALLED UNDER MWRD PERMIT 91-071)

PROPOSED CONCRETE PIPE CRADLE

620 618 616 614 612 610 608 606 604

EXISTING CENTERLINE ELEVATION
625.70 CL | 625.68 CL | 625.54 CL | 625.51 CL | 625.48 CL | 625.45 CL | 625.21 CL | 624.60 CL

STATION 89+50 | 90+00 | 90+50 | 91+00 | 91+50 | 92+00 | 92+50 | 93+00 | 93+50 | 94+00 | 94+50 | 95+00