F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
1545	00-00115-00-BR	DUPAGE	17	5
STA. 1+31.77		TO STA. 5+50.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT 83961

CONDUIT LAYOUT (FACILITIES REMOVED) SHOWING DUCT SECTION

UNIT ONE
MAPLE BROOK EAST
R71-29187

WATERFRONT ESTATES
R83-45762

FOREST PRESERVE

WEST BRANCH DUPAGE RIVER

FOREST PRESERVE
CITY OF NAPERVILLE

RIVER EDGE
R75-8291
BLANKET EASEMENT

WASHINGTON ST.

BAILEY RD.

MATCH LINE - ON SHEET 6

MATCH LINE - ON SHEET 6

1-2-WAY 6" PVC SCHEDULE 40 DUCTBANK SECTION C-C (SEE PAGE-11) (OPEN CUT 435') (CONCRETE ENCASEMENT 185') INSTALL CAPS END AND STUB.

120' EXISTING EASEMENT

TO STUB FROM 2054H193 (2-6")

BOC

EXISTING ROW

ASPHALT BIKEPATH

1'

10'

TO 1323U122/36S 3-4/0 STR. AL. 15kV W/CONC. 70RB3

LOCATE, PROTECT AND SUPPORT ENERGIZED CABLE, HAND DIG AS REQUIRED

HAND DIG FOR 10' AT 5' DEPTH BY 3' WIDE TO AVOID EXISTING DUCT

1323U114
E-75KVA

10' EXISTING EASEMENT

1-2-5" 90° STEEL BENDS

CONCRETE DRIVEWAY

1-2-WAY 5" PVC SCHEDULE 40 DUCTBANK INTO TRANSFORMER VAULT

CONCRETE ENCASEMENT ON DRIVEWAY

1-2-WAY 5" PVC SCHEDULE 40 DUCTBANK SECTION A-A (SEE PAGE-11) (OPEN CUT 270') (CONCRETE ENCASEMENT 80')

100' ROW

BOC

TO 1323U114 FROM 2054H193 (2-5")

TO STUB FROM 2054H192 (2-6")

TO 2054H193 FROM 2054U191 (2-5")

2054H193
1-4'X6' HANDHOLE PER C30-6336 (SEE PAGE 13)

CONCRETE ENCASEMENT ON DRIVEWAY

1-2-WAY 5" PVC SCHEDULE 40 DUCTBANK SECTION A-A (SEE PAGE-11) (OPEN CUT 110') (CONCRETE ENCASEMENT 85')

GAS STATION

STREET LIGHT AND TRAFFIC SIGNAL LOCATED AND PROTECT AND SUPPORT, HAND DIG TRENCH FOR A CONDUIT

1-2-6" 90° STEEL BENDS

1-2-5" 30° STEEL BENDS

1-2-5" 90° STEEL BENDS

SIDEWALK

CONCRETE DRIVEWAY

1-2-WAY 6" PVC SCHEDULE 40 DUCTBANK SECTION C-C (SEE PAGE-11) (OPEN CUT 65') (CONCRETE ENCASEMENT 15')

2054H192
1-4'X8' HANDHOLE PER C30-6336 (SEE PAGE 13)

CONCRETE ENCASEMENT ON ROAD

2054N192
E-50/4

EXISTING 2-6" DUCT

EXISTING 2-3" DUCT

BIKEPATH

2054N193
E-110/1-H
1-6"-RISER CONNECTION PER C30-1900 (SEE PAGE 16)

TRANSITION AREA DETAIL-"N" SEE PAGE 23 (55')

SIGN 14' EAST

2054H291
E-3'X5' HANDHOLE

2054N291
E-110/1-H

2054N392
E-50/2
E-GOAB

1-2-WAY 6" PVC SCHEDULE 40 DUCTBANK (OPEN CUT 100') SECTION C-C (SEE PAGE-11) INSTALL CAPS END AND STUB. (CONCRETE ENCASEMENT 55') HAND DIG FOR 10' AT 5' DEPTH BY 3' WIDE TO AVOID EXISTING DUCT

1-2-6" 30° STEEL BENDS

1-2-6" 45° STEEL BENDS

TO 2054U192 FROM 2054U191 (2-6")

2054U192
E-36S

2054U191
1-SWITCH GEAR VAULT PER 58199-110 (SEE PAGE 23)

1-2-WAY 6" PVC SCHEDULE 40 DUCTBANK (OPEN CUT 100') SECTION C-C (SEE PAGE-11) INSTALL CAPS END AND STUB. (CONCRETE ENCASEMENT 65') HAND DIG FOR 10' AT 5' DEPTH BY 3' WIDE TO AVOID EXISTING DUCT

1-2-WAY 6" PVC SCHEDULE 40 DUCTBANK SECTION C-C (SEE PAGE-11) (CONCRETE ENCASEMENT 30')

LOCATE, EXPOSE AND SHIFT 2-3" CONDUIT UP OR DOWN TO INSTALL NEW CONDUIT DIG A HOLE 6'-0" DEEP, 15'-0" LONG AND 7'-0" WIDE

1-4-WAY 6" PVC SCHEDULE 40 DUCTBANK SECTION B-B (SEE PAGE-11) (OPEN CUT 70') (CONCRETE ENCASEMENT 70')

1-2-WAY 6" PVC SCHEDULE 40 DUCTBANK SECTION C-C (SEE PAGE-11) (OPEN CUT 85') (CONCRETE ENCASEMENT 85')

CONCRETE ENCASEMENT ON DRIVEWAY

TO 2054N192 FROM 2054U191 (2-6" PVC)

TO 2054U392 FROM 2054U191 (2-6")

TO 2054H193 FROM 2054U191 (2-5")

4" 3" 10" 10" 10" 10" 4" 3"

12"± STREET BASE

CA6

CONCRETE ENCASEMENT

64"

BRIDGE APPROACH SECTION M-M

8" SLEEVE THROUGH ABUTMENT WALL (6 PLACES) IN 2 LOCATIONS.

1-6-WAY 6" PVC 1 HIGH BY 6 WIDE SCHEDULE 40 DUCTBANK

STREET GRADE OR UNDER BRIDGE SUPPORT

℄ OF RIVER

EXISTING ROW

25'-6" NTS

INSTALL 6-6" STEEL PIPE 1-HIGH BY 6-WIDE GALVANIZED STEEL RIDGID PIPE THROUGH ABUTMENT WALL SLEEVE (15 FT.) AND ABOVE CONCRETE BENT (10')

1-6 WAY-6" PVC SCHEDULE 40 AND RIDGID STEEL PIPE DUCTBANK IN BRIDGE AND BRIDGE APPROACH (217')

WEST BRANCH DUPAGE RIVER

EXISTING ROW

107' BACK TO BACK OF ABUTMENTS

INSTALL 6-6" DUCT HANG UNDER BRIDGE PER SHEET 7 & 8 FOR 97'-10"

40'

BRIDGE APPROACH

BAILEY RD.

M

50'

1-6-WAY 6" PVC SCHEDULE 40 DUCTBANK SECTION D-D (SEE PAGE-11 & 23) AND STEEL RIDGID CONDUIT (CONCRETE ENCASEMENT 100')

EDGE OF RIVER

TO 2054U392 FROM 2054U191 (2-6") CONCRETE ENCASEMENT

TO 2054H592 FROM 2054H192 (2-6") CONCRETE ENCASEMENT

TO 2054H592 FROM STUB (2-6") CONCRETE ENCASEMENT

EDGE OF RIVER PROPOSED BRIDGE DECK

1-6-WAY 6" PVC SCHEDULE 40 DUCTBANK SECTION D-D (SEE PAGE-11 AND 23) AND STEEL RIDGID CONDUIT (CONCRETE ENCASEMENT 100')

TO 2054U392 FROM 2054U191 (2-6") CONCRETE ENCASEMENT

TO 2054H592 FROM 2054H192 (2-6") CONCRETE ENCASEMENT

TO 2054H592 FROM STUB (2-6") CONCRETE ENCASEMENT

TO 2054U392 FROM 2054U191 (2-6")

TO 2054H592 FROM 2054H192 (2-6")

TO 2054H592 FROM STUB (2-6")

TRANSITION AREA DETAIL-"N" SEE PAGE 23 (55')

TEMPORARY ACCESS EASEMENT

20'

30' EXISTING EASEMENT

EXISTING ROW

SIDEWALK

BOC

1-4-WAY 6" PVC SCHEDULE 40 DUCTBANK SECTION B-B (SEE PAGE-11) (OPEN CUT 80')

BRIDGE APPROACH

40'

℄ OF BAILEY RD.

40'

6'

1-2-6" 45° STEEL BENDS

EXISTING ROW

FOREST PRESERVE

25'-6" NTS

INSTALL 6-6" STEEL PIPE 1-HIGH BY 6-WIDE GALVANIZED STEEL RIDGID PIPE THROUGH ABUTMENT WALL SLEEVE (15 FT.) AND ABOVE CONCRETE BENT (10')

TO 2054H592 FROM STUB (2-6")

TO 2054H592 FROM 2054H192 (2-6")

5' EXISTING EASEMENT

5' EXISTING EASEMENT

1-6-WAY 6" PVC SCHEDULE 40 DUCTBANK SECTION D-D (SEE PAGE-11) (OPEN CUT) (SEE PAGE 6 FOR LENGTH)

DPU-E10' EXISTING EASEMENT

LEGEND

EXISTING

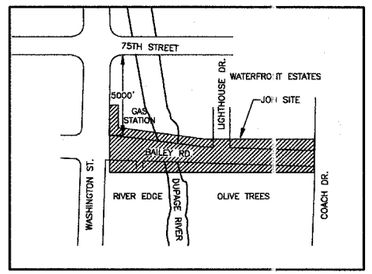
OVERHEAD

- E-POLE
- E-3-4/0 AAA PRI.
- E-ANCHOR & GUY ASSEMBLY
- E-SW. MOD., FUSE MOD.
- E-TRANSFORMER
- E-HANDHOLE
- E-1-1/0 STR AL.
- E-3-4/0 STR AL.
- E-3-1/0 STR AL.
- E-DUCT BANK
- E-TREES/BUSHES
- E-BOC/SIDEWALK

INSTALL

UNDERGROUND

- I-SWITCH GEAR VAULT
- I-HANDHOLE
- I-DUCT BANK



LOCATION MAP
N.T.S.

NOTE:

SEE PAGE 11 FOR CROSS SECTION OF DUCTBANK AND TRENCH AND RESTORATION REQUIREMENTS.

CITY OF NAPERVILLE/DEPARTMENT OF PUBLIC UTILITIES - ELECTRIC

CALL J.U.L.I.E. 48 HRS. PRIOR TO CONSTRUCTION

PROJECT TITLE: BAILEY RD. BRIDGE DUCTBANK INSTALLATION		MAP NO.: 2054/1323		CAD FILE:
PROJECT DESCRIPTION: COORDINATED WITH BRIDGE IMPROVEMENT		DRAWN BY: JK		PROJECT NO.: EU12-06-04
DATE: 05-19-07	WORK REQUEST NO.: 58199	CHECK:	SCALE: 1"=30'	COMPLETED ON:
ISSUED:		APPR:		SHEET 5 OF 23
ENGINEER: RPS				
REVISION: 1 2 3				