CONTRACT NO. 66607

EarthTech
A Tyco International Ltd. Company

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
786	(109) BR	LASALLE	351	48
STA. 21+00	TO STA. 25+96			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

(43) STA.20+03, 19.5' RT.
MH, TYPE A, 6' DIA.
TYPE 1 FRAME, C.L.
RIM = 498.29
NW. INV. = 489.16
SE. INV. = 489.16
NE. INV. = 489.48

(44) STA.21+59.3, 51.3' RT.
42" PRC END SECTION
INV = 489.31

(45) STA. 20+15, 32' LT.
INLET, TYPE A
TYPE 8 GRATE
RIM = 491.40
S. INV = 489.98

(46) STA.25+01.3, 48.0' LT.
24" PRC END SECTION
INV = 490.92

(47) STA.24+78.8, 50.0' RT.
24" PRC END SECTION
INV = 490.70

(32) 65', 42" SS, TYPE 2, RCCP, @ 0.2%,
TBF = 0 CY

(33) 49', 12" SS, TYPE 2, @ 1.0%,
TBF = 38.7 CY

(34) 110', 24" SS, TYPE 2, @ 0.2%,
TBF = 46.4 CY

MARINA

MARINA ACCESS ROAD

EASEMENT

EOP(TYP)

374 LF STEEL PLATE BEAM GUARDRAIL, TYPE A

CONCRETE RETAINING WALL

CONSTR. LIMITS

3 SBC CABLES

HMA SHOULDERS, 8"

MATCH LINE STA. 21+00

RIVER ROAD

15" RCP

3' AGG. AND 3' EARTH SHOULDER (TYP.)

PC STA 22+31.13
TAPER END

STA. 24+77.36
17.00' LT.

TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)

STA. 125+44.55
44.87' LT.

PT Sta 25+45.70

STA. 125+04.48
17.00' RT.

FOR STONE RIPRAP DIMENSIONING SEE DUPONT ROAD DRAINAGE AND UTILITY SHEET

PROP. CURVE RIVER RD.-2
PI STA. = 24+06.29
Δ = 57° 51' 18" (RT)
D = 18° 47' 08"
R = 305.00'
T = 168.56'
L = 307.98'
E = 43.48'
e = 4.0%
T.R. = 38' IN / 28' OUT
S.E. RUN = 103' IN / 73' OUT
P.C. STA = 22+37.73
P.T. STA = 25+45.70

STONE RIPRAP, RR-3

STA. 125+57.95

FOR CULVERT INFORMATION SEE DUPONT ROAD DRAINAGE AND UTILITY SHEET 41

DGE (TYP)

INACCESSIBLE TABLE SLOPE

GRAVEL

STA. 145+21.28
12.00'/LT.

DUPONT ROAD

70'R.

Sta 25+96.00 RIVER ROAD
Sta 144+40.81 DUPONT ROAD

144

N

0 10 20 30 40 50
FEET

SUPERELEVATION TRANSITION DIAGRAM

TOTAL LENGTH OF SUPERELEVATION TRANSITION 101'
SUPERELEVATION RUNOFF 73'
TANGENT RUNOUT 28'
TRANSITION FROM NORMAL CROWN TO -2.32% AT DUPONT RD.

LEFT EOP: +4% (STA. 24+45) → +1.5% (STA. 24+90) → 0% (STA. 25+18) → -1.5% (STA. 25+46) → +2.3% (STA. 25+83.82 MATCH DUPONT RD.)
PGL
RIGHT EOP: -4% (STA. 24+45) → -1.5% → -1.5% → -1.5% → -2.3%

SCALE: HORIZ. 1" = 20'
VERT. 1" = 2'

ROADWAY PLAN & PROFILE, DRAINAGE AND UTILITIES
STA. 21+00 TO STA. 25+96

90.00' V.C.
K = 60
ex = 0.17'
+55.00 EL. 497.72'
+35.00 EL. 497.95'
-0.50% +1.00%
VPI STA. 23+00.00
ELEVATION 497.50

+1.00% +1.50%
VPI STA. 25+83.82
ELEVATION 500.34
DUPONT RD. ℄ STA. 144+40.86 EL.500.52
STA. 25+96.00 EL.500.52

MATCH STA. 21+00.00
50 YEAR FLOOD PLAIN EL.= 494.50

PROPOSED RIVER RD. PGL
EXIST. ℄ GRADE
PROPOSED DITCH LEFT
PROPOSED DITCH RIGHT
RIVER ROAD

	21+00	21+50	22+00	22+50	23+00	23+50	24+00	24+50	25+00	25+50	26+00
EXIST.	497.69	497.03	496.41	495.75	495.09	494.44	494.03	493.62	493.41	493.33	493.23
PROP.	498.50	498.40	498.30	498.20	498.10	498.00	497.90	497.80	497.70	497.65	497.67
EXIST.	493.26	493.09	491.58	494.73	495.75	495.01	495.21	495.27	495.25	495.35	495.49
PROP.	497.75	497.90	498.10	498.30	498.50	498.70	498.90	499.10	499.30	499.50	499.70
EXIST.	495.68	495.83	495.94	496.13							
PROP.	499.90	500.10	500.30								

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