TBM
"M" MATHEWS
HYD. @ STA. 9+86.72 ± (LT.)
ELEV. 833.61

BEGIN WORK
STA 10+50

BEGIN PROJECT
STA 10+71.77

STA. 10+37.47
BEGIN FENCE REMOVAL AND NEW FENCE INSTALLATION

STA. 10+47
INSTALL NEW GATE

STA. 10+76.32
END FENCE REMOVAL AND NEW FENCE INSTALLATION

CITY OF WILLOUGHBY HILLS
CITY OF WICKLIFFE

STA. 13+68
REMOVE FENCE AND INSTALL NEW GATE

STA. 13+90, BEGIN CONCRETE PAVEMENT IN CURB RADIUS

STA. 14+06, END CONCRETE PAVEMENT IN CURVE RADIUS

END PROJECT
STA 13+97.17

END WORK
STA 14+19.44

TBM
IP. MON. BOX @
℄ ROCKEFELLER DRIVE
AND MILLER AVENUE
STA. 14+77.44
ELEV. 831.67

WEST MILLER

1-F

2-F

OVERHEAD WIRES

PLANTER
(DO NOT DISTURB)

TYPE T ANCHOR ASSEMBLY

SAWCUT

11.55'

3' (TYP.)

Ex R/W

EX. 12" W.

EX. 4" G.

EX. 4"

EX. 12" W.

STA. 10+96.77
END APPROACH SLAB

10+00

11+00

12+00

13+00

14+00

15+00

℄ CONSTRUCTION ROCKEFELLER ROAD

81.94'

82.20'

PRESSURE RELIEF JOINT, TYPE A, AS PER PLAN

STA 13+72.17
BEGIN APPROACH SLAB
SAWCUT

EX. 10" SAN.

EX. 18" S.

EX. 12" S.

EX. 6" W.

EX. 6" SAN.

EX. 12" W.

BRETT DRIVE
(PRIVATE DRIVE)

OVERHEAD WIRE

EAST I-90

WEST I-90

CITY OF WILLOUGHBY HILLS
CITY OF WICKLIFFE

PLANTER
(DO NOT DISTURB)

SIGN (DO NOT DISTURB)

TBM
INVERT SANITARY MANHOLE
STA. 14+83.60
ELEV. 821.84

MILLER AVENUE

END SHEET STATION 15+25

TBM
"M" MATHEWS
HYD. IN FRONT
HOUSE # 2762 ROCKEFELLER DRIVE
ELEV. 833.10

STA. 10+50
BEGIN ASPHALT CONCRETE OVERLAY

STA. 10+71.77
BEGIN APPROACH SLAB REMOVAL AND REPLACEMENT

STA. 10+96.77
END APPROACH SLAB REMOVAL AND REPLACEMENT

STA. 13+72.17
BEGIN APPROACH SLAB REMOVAL AND REPLACEMENT

STA. 13+97.17 LT. & RT.
BEGIN CONCRETE CURB REMOVAL AND REPLACEMENT

STA. 13+97.17 LT. & RT.
END APPROACH SLAB REMOVAL AND REPLACEMENT

STA. 14+05.54 LT.
END CONCRETE CURB REMOVAL AND REPLACEMENT

STA. 14+20.63 RT.
END CONCRETE CURB REMOVAL AND REPLACEMENT

SHEET REFERENCES	
DESCRIPTION	NO.
INTERSECTION DETAILS	13
ESTIMATED QUANTITIES	11
GUARDRAIL QUANTITIES	11
STRUCTURE PLANS	17–29
CENTERLINE ALIGNMENT	13

843.41 | 842.36 | 840.96 | 838.73 | 837.04 | 835.90 | 835.74 | 835.12 | 834.35 | 834.02 | 833.38 | 832.94±

BRETT DRIVE

MEET EXIST. PAVT. BUTT JOINT STA.10+50
PVI – NO CURVE

PVI STA 10+71.77
NO CURVE

25'-0" APPROACH SLAB

STA. 10+96.77
PVC STA. 11+00

BRIDGE LIMITS = 275'-5"

160' V.C.

PVI. STA. 11+80
PVI. ELEV. 836.96

PVT. STA. 12+60

EX. GRADE @ ℄ CONSTRUCTION

PVI STA. 13+72.17±
ELEV. = 834.02
NO CURVE

25'-0" APPROACH SLAB

WEST MILLER

MEET EXIST. PVMT.
PVI STA.14+19.44 (TYP.)
NO CURVE

MILLER AVENUE

EX. SAN. M.H.
STA. 14+84.06, 8' RT.
RIM ELE=831.94

EX. S. M.H.
STA. 14+88.35, 10' RT.
RIM ELE=832.02

-5.06%
-4.82%
-5.00%
-5.00%
-1.53%
-1.53%
-2.29%
-1.18%

12" W. LT.

EXP.

FIX.

4" G. LT.

EXIST. PLUG

2:1 (NORMAL)

GROUT FILLED FABRIC MATS SLOPE PROTECTION

14'-9 1/2" EXISTING CLEARANCE

15'-0 1/2" PROPOSED

EX. INV. 6" SAN.
W.=823.79
EX. INV. 10" SAN.
N.=821.84

EX. INV. 18" STM.
N.=822.82
EX. INV. 12" STM.
W.=826.57
EX. INV. 18" STM.
E.=822.82
EX. INV. 12" STM.

EXISTING STRUCTURE

TYPE: CONTINUOUS STEEL BEAMS WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE
SPANS: 57'-6"(±), 82'-0"(±), 82'-0"(±), 49'-6"(±) C/C BEARINGS
ROADWAY: 24'-0"(±) F/F CURB PLUS 2-4'-8" SIDEWALKS
LOADING: C.F. = 130 (57)
ALIGNMENT: TANGENT
SKEW: 2° 48' R.F.±
3' 10" R.F.± (OBSERVED AT ABUT. BACKWALL)
WEARING SURFACE: 3/4" MONOLITHIC CONCRETE AND 1 1/4"± CONCRETE OVERLAY
APPROACH SLAB: 25' (±) (AS-1-54 MODIFIED)
STRUCTURE FILE NO. 4303458

PROPOSED STRUCTURE

PROPOSED WORK: NEW COMPOSITE REINFORCED CONCRETE DECK
TYPE: CONTINUOUS COMPOSITE INTERIOR STEEL BEAMS CONTINUOUS NON-COMPOSITE EXTERIOR STEEL BEAMS, WITH REINFORCED CONCRETE DECK, SEMI-INTEGRAL WITH EXISTING CONCRETE ABUTMENTS AND CONCRETE PIERS.
SPANS: 57'-6"(±), 82'-0"(±), 82'-0"(±), 49'-6"(±) C/C BEARINGS
ROADWAY: 24'-0" F/F CURB PLUS 2-5'-0" SIDEWALKS
LOADING: SUPERSTRUCTURE: HS 20-44 (CASE II) AND THE ALTERNATE MILITARY LOADING
SUBSTRUCTURE: C.F.=130 (57)
ALIGNMENT: TANGENT
SKEW: 3° 10' R.F.
WEARING SURFACE: 1" MONOLITHIC CONCRETE
FUTURE WEARING SURFACE: NO PROVISION
APPROACH SLAB: 25' LONG (AS-1-81)
CROWN: 3/16" / FT.
LATITUDE : N 41° 35' 30" ; LONGITUDE : W 81° 27' 30"

846.00 | 843.41 | 841.86 | 840.59 | 838.44 | 836.73 | 835.59 | 834.76 | 834.03 | 833.26 | 832.94 | 832.58 | 832.04

9+50 | 10+00 | 11+00 | 12+00 | 13+00 | 14+00 | 15+00 | 15+25

850 | 840 | 830 | 820 | 810

N

0 20 40 HORIZONTAL SCALE IN FEET

CALCULATED KAM | CHECKED TEN

PLAN AND PROFILE
STA. 9+50 TO STA. 15+25

LAK-90-1.71

12
29

TITLE: 1102/CURRENTPLANSET\PLAN-PROF-1
PLOT: 1:1
DATE: 1/11/02