F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	D-91-552-99	LAKE	362	267
STA. 104+090 TO STA. 104+410			CONTRACT NO: 60881	
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY	DATE	BY
SURVEYED		
PLOTTED		
NOTE BOOK	TEMPLATE	
NO.	AREAS	AREAS CHECKED

① V10
300mm VALVE
1.5M VAULT.

② V11
300mm VALVE
1.5M VAULT.

③ 300mm ×300mm TEE

④ 300mmØ WATERMAIN IN 508mmØ X9M LONG STEEL CASING PIPE UNDER STORM SEWER. SET WATERMAIN T/P @199.80. SEE DRAWING WM-5 FOR DETAIL.

⑤ 300mmØ WATERMAIN IN 508mmØ×7M LONG STEEL CASING PIPE UNDER STORM SEWER. SET WATERMAIN T/P @199.75. SEE DRAWING WM-5 FOR DETAIL.

CONNECT EXISTING WATERMAIN TO VALVE
HYDRANT H6 STA. 104+131
300mm X150mm TEE
300mm ×300mm TEE

SET TOP OF WATERMAIN @ 200.8 OVER SANITARY SEWER

PROPOSED WATERMAIN WITH MECHANICAL JOINTS

PROPOSED 300mmØ WATERMAIN

INSTALL 200mmØ WATERMAIN TO CONNECT EXISTING WATERMAIN TO VALVE

HYDRANT H7
STA. 104+258

V14
200mm VALVE
1.2M VAULT

CUTTING-IN VALVE ON EXIST. WATERMAIN

CUT & CAP EXIST. 200mmØ WATERMAIN

300mmx200mm TEE

3M

V15
200mm VALVE
1.2M VAULT

HYDRANT H8
STA. 104+352

300mmx150mm TEE

EXISTING R.O.W.

ILLINOIS ROUTE 22

OLD HALF DAY ROAD
STA. 104+030

MATCHLINE STA. 104+090

MATCHLINE STA. 104+410

104+100 104+150 104+200 104+250 104+300 104+350 104+400

45° BEND

45° BEND

45° BEND

PROPOSED WATERMAIN WITH MECHANICAL JOINTS

CUT & CAP EXISTING 300mmØ WATERMAIN

CUT & CAP EXIST. 200mmØ WATERMAIN

V13
100mm VALVE
VALVE BOX

PROPOSED R.O.W.

LOCATE EXIST. 100mmØ WATERMAIN PRIOR TO INSTALLING NEW WATERMAIN

CONNECT TO EXISTING 100mmØ WATERMAIN

CUT & CAP EXIST. 100mmØ WATERMAIN

300mmX100mm TEE

INSTALL 300mmX200mm REDUCER & 200mmØ×90° BEND

PROPOSED 100mmØ WATERMAIN

V12
300mm VALVE
1.5M VAULT

CONNECT TO EXIST. 200mmØ WATERMAIN AFTER NEW WATERMAIN IS APPROVED FOR USE

LOWER EXISTING 300mmØ WATERMAIN. INSTALL IN 508mmØ CASING PIPE UNDER STORM SEWER. SET T/P @ 199.40 SEE DRAWING WM-5 FOR DETAIL

W.E. 199.90

W.E. 199.90

SCHELTER ROAD

BARCLAY BOULEVARD

KEY MAP
IL RTE 83 · IL RTE 22 · GROVE RD · ARBORETUM · MAIN ST · STEVENSON · OLD HALF DAY · BUFFALO · PRAIRIE · BARCLAY · N

NOTES:

1. CONNECT PROPOSED WATERMAIN TO EXISTING WATERMAIN AFTER PROPOSED WATERMAIN IS PRESSURE TESTED, DISINFECTED AND APPROVED FOR USE.
2. FOLLOW PROCEDURES AND SCHEDULES FOR SHUTTING DOWN AND CONNECTING TO EXISTING WATERMAINS AS REQUIRED BY THE VILLAGE OF LINCOLNSHIRE WATER DEPT.
3. WATERMAINS LOCATED UNDER EXISTING OR PROPOSED ROADWAY PAVEMENT SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE WITH MECHANICAL JOINTS. WATERMAIN SECTIONS NOT UNDER EXISTING OR PROPOSED ROADWAY MAY BE CONSTRUCTED WITH MECHANICAL OR PUSH-ON JOINT PIPE. WATERMAIN LOCATIONS WHERE MECHANICAL JOINT PIPE IS REQUIRED SHALL BE INDICATED ON THE PLANS.
4. ALL WATERMAIN FITTINGS AND VALVES SHALL HAVE MECHANICAL JOINTS, EXCEPT WHERE A FLANGE JOINT IS REQUIRED.

ORIGINAL SURVEY	DATE	BY
SURVEYED		
PLOTTED		
NOTE BOOK	TEMPLATE	
NO.	AREAS	AREAS CHECKED

205.0
202.5
200.0
197.5

1.7 m MIN. COVER

PROPOSED PROFILE @ ℄

+0.49% -0.50% -1.10%

GROUND PROFILE OVER WATERMAIN

EXIST. FIBER OPTIC

EXIST. CONDUIT

T/P 201.50

T/P 200.85

INV. EL. 200.09

PROPOSED 300mmØ WATERMAIN

PROPOSED S-1700mm, R-1075mm STORM SEWER

T/P 199.95

V15
STA. 104+358

EXIST. 200mmØ WATERMAIN

EXIST. SANITARY MANHOLE INV. 199.9

INV. EL. 200.44

V10
STA. 104+130

V11
STA. 104+143

INV. EL. 200.30

V14
STA. 104+274

EXIST. 200mmØ WATERMAIN

EXIST. VALVE ON N/S MAIN

300mmx300mm TEE STA. 104+172

EXIST. SANITARY MANHOLE
INV. 198.21 (SW)
INV. 198.12 (E,W)

EXIST. 200mmØ SANITARY SEWER
INV. 197.6±

202.50	202.70	203.00	203.25	203.40	202.50	202.20	202.00	201.77	201.67	
202.771	202.893	203.015	203.138	203.260	203.333	203.255	203.132	203.001	202.882	
104+100	104+125	104+150	104+175	104+200	104+225	104+250	104+275	104+300	104+325	

201.65 201.757 202.632 202.507

MATCHLINE STA. 104+090

MATCHLINE STA. 104+410

REVISIONS	
NAME	DATE

PATRICK ENGINEERING INC.
LISLE, ILLINOIS

ILLINOIS DEPARTMENT OF TRANSPORTATION
IL RTE 22 (FAP 337)
IL RTE 83 TO US 45 / IL 21 (MILWAUKEE AVE)
WATERMAIN PLAN & PROFILE
DRAWING WM-4
STA. 104+090 TO STA. 104+410
SHEET OF

SCALE: HORIZ. 1:500
VERT. 1:50

DRAWN BY: TCK

DATE: 3-22-2004

CHECKED BY: CMS