

ADJUST
EX. W/M VALVE VAULT
RIM: 744.32 T/P: 738.32
STA: 204+69 O/S: 12'R

STORM SEWER INLET
TY 'A' 24" TY 11 FR & GR
RIM: 745.26 INV: 742.26
STA: 204+50 O/S: 24' L

STORM SEWER MANHOLE
TY 'A' 48" TY 11 FR & GR
RIM: 745.50 INV: 741.90
12" W INV: 741.90
STA: 204+50 O/S: 14'R

STORM SEWER MANHOLE
TY 'A' 48" TY 8 GR
RIM: 745.45 INV: 737.97
12" W INV: 733.41
12" W INV: 735.04
STA: 206+57 O/S: 18'R

STORM SEWER MANHOLE
TY 'A' 48" TY 8 GR
RIM: 740.80 INV: 733.50
S INV 736.36 8" E INV: 737.29
STA: 206+11 O/S: 18'R

STORM SEWER INLET
TY 'A' 48" TY 8 GR
RIM: 740.00 INV: 736.77
STA: 205+71 O/S: 18' R

STORM SEWER INLET
TY 'A' 24" TY 1 FR & OL
RIM: 739.00 INV: 735.74
STA: 206+51 O/S: 28'L

STORM SEWER MANHOLE
TY 'A' 48" TY 11 FR & GR
RIM: 735.54 INV: 735.50
12" W INV: 735.54
STA: 206+57 O/S: 23'L

STORM SEWER MANHOLE
TY 'A' 48" TY 11 FR & GR
RIM: 738.54 INV: 735.10
12" W INV: 735.10
STA: 206+57 O/S: 14'R

STORM SEWER MANHOLE
TY 'A' 48" TY 8 GR
RIM: 738.90 INV: 733.41
12" W INV: 735.04
STA: 206+57 O/S: 18'R

STORM SEWER INLET
TY 'A' 24" TY 1 FR & OL
RIM: 736.25 INV: 733.57
STA: 208+77 O/S: 22'L

STORM SEWER INLET
TY 'A' 24" TY 11 FR & GR
RIM: 736.40 INV: 733.47
STA: 208+90 O/S: 17'L

STORM SEWER MANHOLE
TY 'A' 48" TY 11 FR & GR
RIM: 739.38 INV: 733.35
12" N & W INV: 733.38
STA: 208+82 O/S: 17'L

STORM SEWER INLET
TY 'A' 24" TY 11 FR & GR
RIM: 736.40 INV: 733.40
STA: 208+82 O/S: 17'L

STORM SEWER MANHOLE
TY 'A' 48" TY 11 FR & GR
RIM: 736.38 INV: 733.07
12" N INV: 733.32 W INV: 733.07
STA: 208+82 O/S: 12'R

STORM SEWER MANHOLE
TY 'A' 48" TY 11 FR & GR
RIM: 736.38 INV: 733.07
12" N INV: 733.32 W INV: 733.07
STA: 208+82 O/S: 12'R

STORM SEWER MANHOLE
TY 'A' 60" TY 1 FR & CL
RIM: 736.43 18" S&E INV: 732.40
12" W INV: 732.99 18" N INV: 732.45
STA: 208+82 O/S: 18'R

STORM SEWER MANHOLE
TY 'A' 60" TY 1 FR & CL
RIM: 736.25 INV: 732.31
STA: 208+83 O/S: 25'R

FLARED END SECTION
18" S INV: 732.25
STA: 208+85 O/S: 34'R

STORM SEWER INLET
TY 'A' 24" TY 8 GR
RIM: 737.60 INV: 734.45
STA: 210+36 O/S: 35'L

STORM SEWER MANHOLE
TY 'A' 48" TY 8 GR
RIM: 737.20 INV: 734.21
STA: 210+13 O/S: 35'L

STORM SEWER MANHOLE
TY 'A' 48" TY 11 FR & GR
RIM: 737.80 INV: 734.00
STA: 210+13 O/S: 14'L

STORM SEWER MANHOLE
TY 'A' 48" TY 1 FR & CL
RIM: 737.80 INV: 732.84
12" W INV: 733.44
12" NE INV: 732.89
STA: 210+13 O/S: 14'R

STORM SEWER MANHOLE
TY 'A' 48" TY 1 FR & CL
RIM: 737.74 INV: 732.80
STA: 210+00 O/S: 19'R

STORM SEWER INLET
TY 'A' 24" TY 8 GR
RIM: 734.90 INV: 732.95
STA: 210+18 O/S: 24'R

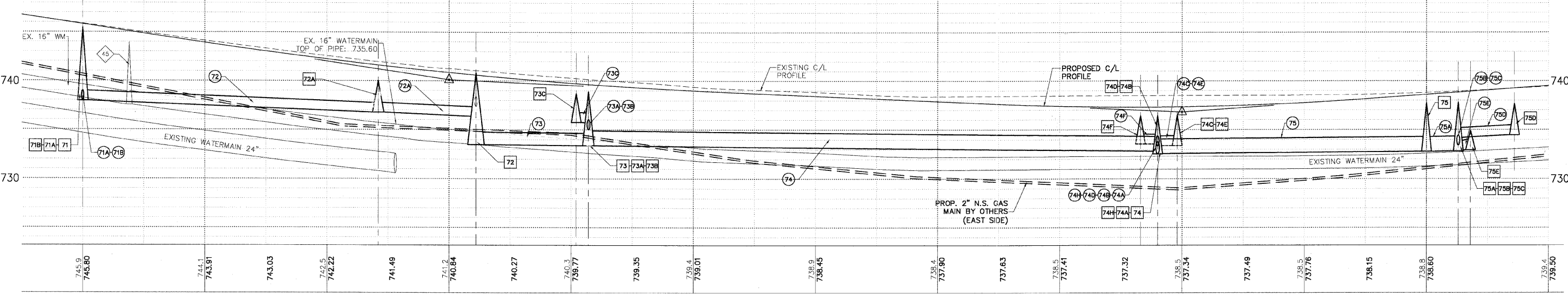
- (71B) 36 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 3.8 CY
- (71A) 5 LF 12" SS, CL A, TY 1, @ 2.00%, TBF 1.4 CY
- (72) 121 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 53.5 CY
- (72A) 40 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 17.3 CY
- (73) 46 LF 12" RCP, CL IV, TY 1, @ 0.20%, TBF 25.3 CY
- (73C) 8 LF 12" SS, CL A, TY 1, @ 2.50%, TBF 1.7 CY
- (73B) 35 LF 12" SS, CL A, TY 1, @ 1.10%, TBF 3.4 CY
- (73A) 5 LF 12" SS, CL A, TY 1, @ 1.20%, TBF 1.3 CY
- (74) 225 LF 18" SS, CL A, TY 1, @ 0.45%, TBF 92.7 CY
- (74C) 42 LF 4" SS, PVC SDR 35 @ 1.00% TBF 2.7 CY
- (74F) 9 LF 12" SS, CL IV, TY 1, @ 2.10%, TBF 1.7 CY
- (74E) 8 LF 12" SS, CL A, TY 1, @ 1.10%, TBF 0.6 CY
- (74D) 28 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 2.5 CY
- (74B) 8 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 0.6 CY
- (74E) 6 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 1.4 CY
- (74A) 5 LF 18" SS, CL A, TY 1, @ 4.00%, TBF 1.3 CY
- (74H) 5 LF 18" SS, CL A, TY 1, @ 1.10%, TBF 0.6 CY
- (75) 118 LF 18" SS, CL A, TY 1, @ 0.30%, TBF 35.8 CY
- (75C) 12 LF 12" SS, CL A, TY 1, @ 0.50%, TBF 1.1 CY
- (75B) 28 LF 12" SS, CL A, TY 1, @ 2.00%, TBF 5.2 CY
- (75A) 14 LF 18" SS, CL A, TY 1, @ 0.30%, TBF 5.0 CY
- (75D) 21 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 1.9 CY
- (75E) 24 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 2.2 CY

NOTE:
OFFSETS PROVIDED ARE FROM CENTER LINE
TO CENTER LINE OF STRUCTURE.

CONTRACTOR SHALL PROVIDE TEMPORARY DRAINAGE, SPECIFICALLY AT THE PROFILE LOW POINTS. RIP RAP SEDIMENT BASINS, TEMPORARY DITCHING, TEMPORARY UNDERDRAINS SHALL BE USED TO FACILITATE POSITIVE DRAINAGE AWAY FROM THE PROPOSED AGGREGATE SUBGRADE. IT IS RECOMMENDED THAT THE PROPOSED CULVERT EXTENSION WORK IS COMPLETED IN DRY CONDITIONS.

NOTE:
ALL CURB INLET FRAMES ON CEMETERY ROAD AND TRI STATE PARKWAY SHALL BE IDOT TYPE 11 FRAME AND GRATE, WITH THE FISH LOGO AND "DUMP NO WASTE DRAINS TO RIVER" IMPRINTED ON THE TOP.

- DRAINAGE & UTILITY PLAN LEGEND**
- (5) EXISTING SANITARY STRUCTURE
 - (9) EXISTING SANITARY SEWER
 - (9) EXISTING WATERMAIN STRUCTURE
 - (W) EXISTING WATERMAIN
 - (23) EXISTING STORM SEWER STRUCTURE
 - (S) EXISTING STORM SEWER
 - (37) PROPOSED STORM SEWER STRUCTURE
 - (S) PROPOSED STORM SEWER
 - (71A) PROPOSED STORM SEWER PIPE
 - (71B) PROPOSED STORM SEWER MANHOLE
 - (71C) PROPOSED STORM SEWER CATCHBASIN
 - (71D) PROPOSED STORM SEWER INLET
 - (X60) PROPOSED UTILITY CROSSING



STORM MH OVER WATER
B/STM MH = 741.20
T/WATER = 739.70 (X60)

STORM OVER WATER
B/STORM = 737.60
T/WATER = 736.10 (X61)

STORM OVER WATER
B/STORM = 736.60
T/WATER = 734.50 (X62)

GAS OVER WATER
(X63)

STORM OVER WATER
B/STORM = 736.50
T/WATER = 734.50 (X64)

TELEPHONE OVER STORM
(X65)

EX PIPE OVER GAS
B/EX PIPE = 737.10
T/GAS = 736.10 (X66)

STORM MH OVER WATER
B/STM MH = 734.40
T/WATER = 732.90 (X67)

STORM MH OVER WATER
B/STM MH = 732.45
T/WATER = 730.90 (X68)

STORM OVER GAS
B/STORM = 732.15
T/GAS = 731.15 (X69)

INLET OVER WATER
B/INLET = 732.90
T/WATER = 730.90 (X70)

STORM MH OVER WATER
B/STM MH = 733.60
T/WATER = 731.60 (X71)

STORM OVER WATER
B/STORM = 732.60
T/WATER = 731.10 (X72)

STORM OVER GAS
B/STORM = 732.60
T/GAS = 731.60 (X73)

PLANS PREPARED BY:
GEWALT HAMILTON
ASSOCIATES, INC.
Consulting Engineers & Surveyors
850 Forest Edge Drive
Vernon Hills, IL 60061
(847) 478-9700
(847) 478-9701 Fax

REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITY PLAN
STA 204+25 TO 210+50
PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS
CEMETERY ROAD

SCALE: H: 1"=20' V: 1"=5'
DATE: 10-05-04

DRAWN BY: CGP
DESIGNED BY: TPG
CHECKED BY: BLS