

- 21 EX. STORM CATCHBASIN
RIM: 729.32 12" INV: 725.97
STA: 313+22 O/S: 19'R
- 63 EX. W/M VALVE VAULT
RIM: 730.10 12" TOP: 722.60
STA: 312+87 O/S: 68'L
- 67 EX. STORM MANHOLE
RIM: 733.27 WATER: 720.70
STA: 314+15 O/S: 33'L
- 67A EX. STORM END SECTION
INV: 720.24 SUBMERGED
STA: 312+21 O/S: 73'L
- 66 EX. SANITARY MANHOLE
RIM: 725.80 INV: 710.24
S INV: 712.80
STA: 309+19 O/S: 34'L
- 67 EX. SANITARY MANHOLE
RIM: 727.20 INV: 711.12
STA: 311+03 O/S: 27'L
- 68 EX. SANITARY MANHOLE
RIM: 732.35 INV: 712.61
12" W INV: 713.15
STA: 314+95 O/S: 37'R
- 69 EX. STORM MANHOLE
RIM: 730.00 INV: 720.82
STA: 314+92 O/S: 64'R

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

STORM SEWER MANHOLE
TY 'A' 60" TY 1 FR & CL 29A
RIM: 729.98 INV: 725.35
NE INV: 725.90
EX. 36" SE INV: 720.51
STA: 313+22 O/S: 39'L

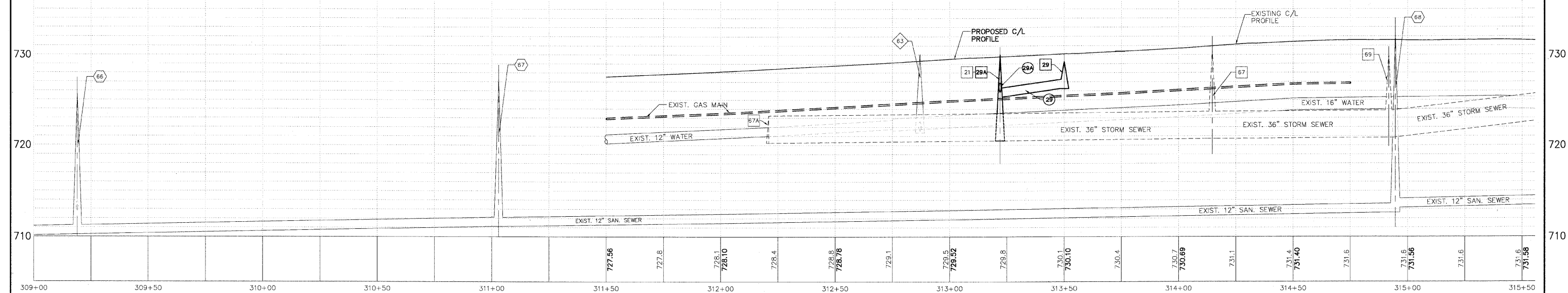
STORM SEWER INLET
TY 'A' 24" TY 11 FR & GR 29
RIM: 729.25 INV: 726.25
STA: 313+50 O/S: 56'L

- 29 35 LF 12" SS, CL A, TY 1, @ 2.57%, TBF 5.5 CY
- 29A 23 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 2.5 CY

NOTE: PIPE #29 CONNECTION TO EX. STORM MH #67 AND #29A CONNECTION TO PROPOSED ST. MH #29A WILL REQUIRE ISOLATED STORM SEWER DEWATERING.

- DRAINAGE & UTILITY PLAN LEGEND**
- 5 EXISTING SANITARY STRUCTURE
 - 9 EXISTING SANITARY SEWER
 - W EXISTING WATERMAIN STRUCTURE
 - W EXISTING WATERMAIN
 - 23 EXISTING STORM SEWER STRUCTURE
 - 37 EXISTING STORM SEWER
 - 37 PROPOSED STORM SEWER STRUCTURE
 - PROPOSED STORM SEWER
 - 67A PROPOSED STORM SEWER PIPE
 - PROPOSED STORM SEWER MANHOLE
 - PROPOSED STORM SEWER CATCHBASIN
 - PROPOSED STORM SEWER INLET

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.



PLANS PREPARED BY:
GEWALT HAMILTON ASSOCIATES, INC.
Consulting Engineers & Surveyors
860 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 309+00 TO 315+50
PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS
TRI-STATE PARKWAY

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

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