

NICHOLAS DOWDEN PARK

PRECAST REINFORCED CONCRETE FES, 24" W/ GRATE STA. 506+17.74, OS 51.10' LT INV. = 695.00

16 LF, 24" STORM SEWER, CL A, TY 2 (RCP) @ 0.63%, 6 CYTBF

FIRE HYDRANT W/ AUXILIARY VALVE AND VALVE BOX STA. 500+34.03, OS 22.51' RT

8 LF, DUCTILE IRON WATER MAIN, 6"

FIRE HYDRANT W/ AUXILIARY VALVE AND VALVE BOX STA. 504+36.23, OS 49.22' RT

EXISTING WATER METER AND BACK FLOW PREVENTER TO BE REMOVED

12 LF, DUCTILE IRON WATER MAIN, 6"

INLET TY A, W/ EJ 5030 FRAME AND GRATE STA. 206+68.29, OS 12.61' RT RIM = 703.27 INV. 12" S = 700.53

FIRE HYDRANT W/ AUXILIARY VALVE AND VALVE BOX STA. 205+67.39, OS 42.54' RT

25 LF, DUCTILE IRON WATER MAIN, 6", 5 CYTBF

142 LF, 12" STORM SEWER, CL B, TY 1 (WMO PVC) @ 0.44%, 34 CYTBF
EX CB W/ EJ 5030 RIM = 702.48 INV. W 12" (EX) = 699.91 INV. N,S 12" = 699.91 INV. E 8" PLUG OPENING

82 LF, 12" STORM SEWER, CL B, TY 1 (WMO PVC) @ 0.44%, 20 CYTBF

145 LF, 12" STORM SEWER, CL A, TY 2 (RCP) @ 0.10%

CB TY C, T8G STA. 1500+78.89, OS 190.60' RT RIM = 695.80 INV. 6" E = 694.00

INLET TY A, W/ EJ 5030 FRAME AND GRATE STA. 204+38.78, OS 12.76' RT RIM = 702.90 INV. 12" N = 700.27

36 LF, 6" STORM SEWER, CL B, TY 1 (PVC) @ 1.00%
MH 5' DIA., TY A, T1F, CL STA. 1501+16.01, OS 201.20' RT RIM = 697.16 INV. 6" NW = 693.64 INV. 12" E = 692.66 INV. 30" S = 692.66

102 LF, 30" STORM SEWER, CL A, TY 2 (RCP) @ 0.10%

MH 6' DIA., TY A, T1F, CL STA. 1501+07.90, OS 307.82' RT RIM = 699.00 INV. 30" N,E = 692.56

188 LF, 30" STORM SEWER, CL A, TY 2 (RCP) @ 0.10%

MH 6' DIA., TY A, T1F, CL STA. 1503+01.68, OS 305.62' RT RIM = 699.50 INV. 30" W,S = 692.37 INV. 30" N = 695.00 INV. 6" NW,NE = 692.50 W/ 6" INLINE BACKFLOW PREVENTERS

82 LF, 24" STORM SEWER, CL B, TY 2 (WMO PVC) @ 0.30%, 53 CYTBF

MH, 8' DIA., TY A, T1F, CL STA. 506+89.00, OS 27.55' LT RIM = 699.10 WEIR ELEV. = 695.00 INV. 24" W,E = 694.50 INV. 30"x19" S = 694.00

64 LF, 24" STORM SEWER, CL A, TY 2 (RCP) @ 0.63%, 41 CYTBF

MH, 5' DIA., TY A, T1F, CL STA. 506+18.47, OS 27.31' LT RIM = 698.98 INV. 24" N,E = 694.90 INV. 12" SW = 694.97

EX INLET INV. NE 12" = 695.20 (CORED)

MH, 5' DIA., TY A, T1F, CL STA. 507+85.07, OS 23.06' LT RIM = 698.60 INV. 24" W,S = 694.25 INV. 12" SE = 695.35

CONNECT TO EXISTING 12" WATER MAIN

5 LF, 12" STORM SEWER, CL B, TY 2 (WMO PVC) @ 1.00%, 4 CYTBF

CB, TY C, T1F, OL STA. 507+90.07, OS 17.14' LT RIM = 697.90 INV. 12" NW = 695.40

20 LF, 24" STORM SEWER, CL B, TY 2 (WMO PVC) @ 0.30%, 7 CYTBF

JUNCTION CHAMBER 10'X12', T1F, CL STA. 507+77.45, OS 4.14' RT RIM = 698.86 WEIR ELEV. = 695.00 INV. 83'X53" ELLIPTICAL NE = 692.19 TEMP. PLUG OPENING INV. 48" S = 692.05 INV. 24" N = 694.19 INV. 8'X3' SW = 693.50

8 LF, 48" STORM SEWER, CL A, TY 2 (RCP) @ 0.05%, 8 CYTBF

EX CB RIM 699.01 INV. NE 36" (EX) = 692.05 (BLOCK OPENING) INV. S 48" (EX) = 692.06 INV. W 36" (EX) = 692.5 INV. N 48" = 692.06 (CORED)

125 LF, DUCTILE IRON WATER MAIN, 12", 55 CYTBF

86 LF, 8'X3' RBCB STORM SEWER, CL A, TY 2 (RCP) @ 0.00%, 22 CYTBF

8'X3' END SECTION W/ SAFETY SCREEN STA. 507+12.04, OS 58.20' RT INV. = 693.50

CONNECT TO EXISTING 12" WATER MAIN

77 LF, 30"X19" STORM SEWER, CL A, TY 2 (RCP) @ 0.26%, 42 CYTBF

PRECAST REINFORCED CONCRETE FES, 30"X19" W/ GRATE STA. 506+89.00, OS 53.83' RT INV. = 693.80

45 LF, 12" STORM SEWER, CL A, TY 2 (RCP) @ 0.50%, 15 CYTBF

EX MH RIM = 699.50 INV. 48" N,S (EX) = 692.51 INV. 30" W = 695.00 (CORED) INV. 6" NW,SW = 692.50 (CORED) W/ 6" INLINE BACKFLOW PREVENTERS

14 LF, 30" STORM SEWER, CL A, TY 2 (RCP) @ 6.81%

PRECAST REINFORCED CONCRETE FES, 30" W/ GRATE STA. 1507+33.17, OS 124.99' LT INV. = 693.50

PRECAST REINFORCED CONCRETE FES, 30" W/ GRATE STA. 1507+33.44, OS 75.58' RT INV. = 693.50

CB 4' DIA., TY A, T8G STA. 1502+65.37, OS 186.79' RT RIM = 695.80 INV. 6" NW,NE = 692.82 INV. 8" N = 692.82 INV. 12" S = 692.82

10 LF, 12" STORM SEWER, CL A, TY 2 (RCP) @ 0.15%

EX MH RIM = 699.00 INV. 48" NS (EX) = 692.36 INV. 30" W = 695.00 (CORED) INV. 6" NW,SW = 692.50 (CORED) W/ 6" INLINE BACKFLOW PREVENTERS

12 LF, 30" STORM SEWER, CL A, TY 2 (RCP) @ 7.50%

NOTE: PIPE SLOPE CALCULATED WITH PIPE LENGTH PLUS FLARED END SECTION LENGTH

PRECAST REINFORCED CONCRETE FES, 18" W/ GRATE STA. 1507+31.73, OS 297.68' RT INV. = 693.00

PRECAST REINFORCED CONCRETE FES, 30" W/ GRATE STA. 1505+11.99, OS 309.57' RT INV. = 693.50

16 LF, 18" STORM SEWER, CL A, TY 2 (RCP) @ 0.90%

MH 6' DIA., TY A, T1F, CL STA. 1507+58.34, OS 297.32' RT RIM = 699.75 INV. 48" N,S = 691.54 INV. 18" NW = 692.80 W/ 18" INLINE BACKFLOW PREVENTER

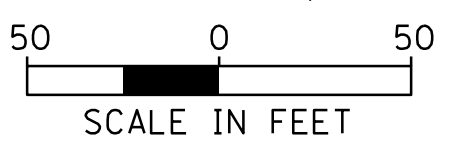
EX MH RIM = 702.11 INV. 48" N,W (EX) = 691.41 INV. 6" NW = 692.50 (CORED) W/ 6" INLINE BACKFLOW PREVENTER

29 LF, 30" STORM SEWER, CL A, TY 2 (RCP) @ 0.10%

INV. 30" N = 692.35

8 LF, 30" STORM SEWER, CL A, TY 2 (RCP) @ 10.72%

EX MH RIM = 699.32 INV. 48" E,W (EX) = 691.62 INV. 30" N = 695.00 (CORED) INV. 6" NW,NE = 692.50 (CORED) WITH 6" INLINE BACKFLOW PREVENTERS



NO.	DATE	NATURE OF REVISION	CHKD.	MODEL:
4	8-12-22	REVISED STORM SEWER	MAK	
3	6-13-22	REVISED JUNCTION CHAMBER AND ADDED DETAILS	MAK	
FILE NAME		N:\LIBERTYVILLE\20040\CIVIL\DRN_NDP_20040_01.SHT		

DSGN.	JAL	DRB	TITLE:
DWN.	MAK	JAL	FLOOD CONTROL PROJECT - PHASE 1 PROPOSED DRAINAGE PLAN
CHKD.	LMF	JGS	
SCALE:	50'		
PLOT DATE:	8/16/2022		
CAD USER:	mkoonce		
MODEL:	Default		