

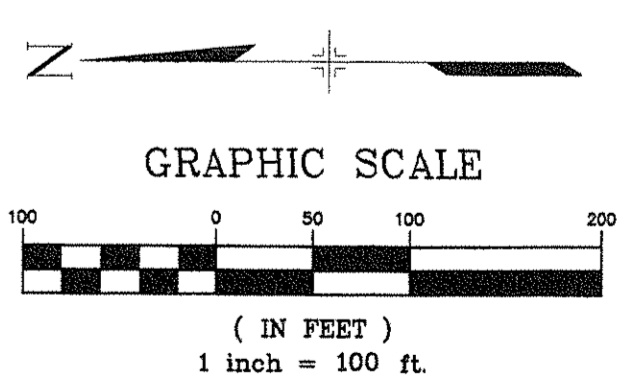
VICINITY MAP
Scale: NTS
NORTH

DESIGN POINT SUMMARY TABLE

DESIGN POINT	TRIBUTARY BASINS	AREA ACRES	Q(5) CFS	Q(100) CFS
P1	OS1, PP1, PP2, PP3	13.97	35.3	71.1
P2	DP-P1, OS2, PP4, PP5, PP6	28.24	65.0	131.1
P3	DP-P2, PP9, PP10, PP11	41.51	92.2	186.3
P4	DP-P3, PP14, PP15, PP16, PP17	50.70	105.3	212.5
P7	DP-P4, PP21, PP22, PP23	53.70	108.1	217.9

LEGEND

- PROPERTY LINE
- DRAINAGE BASIN BOUNDARY
- 6520 PROPOSED CONTOUR
- 6520 EXISTING CONTOUR
- DRAINAGE DITCH
- 100-YR FLOODPLAIN
- STREAMSIDE BUFFER ZONES
- FUTURE BUILDING PAD
- DROP STRUCTURE
- CONCEPTUAL LOCATION OF SAND CREEK MAINTENANCE TRAIL
- PROPOSED/FUTURE DROP STRUCTURES
- PROPOSED FLOW DIRECTION ARROW
- DP DESIGN POINT
- AA-1 BASIN DESIGNATION
- 99.99 "C" COEFFICIENT (100 YR)
- 99.99 BASIN AREA (ACRES)
- 99.99 5-YEAR FLOWRATE
- 99.99 100-YEAR FLOWRATE



NOTES

- ARMORING ALONG THE EASTERN BANK OF SAND CREEK SHALL BE CONSTRUCTED IN CONJUNCTION WITH ADJACENT DEVELOPMENT WITHIN PATRIOT PARK. CONSTRUCTION OF THE ARMORING WILL BEGIN FROM EITHER THE NORTH OR SOUTH AND END AT A LOCATION DETERMINED BY ENGINEERING JUDGMENT TO PROTECT THE DEVELOPMENT ADJACENT TO THE SAND CREEK CHANNEL.
- THE DEVELOPER WILL BE RESPONSIBLE FOR CONSTRUCTING TWO OF THE FOUR PROPOSED/FUTURE DROP STRUCTURES IN CONJUNCTION WITH DEVELOPMENT ALONG SAND CREEK.
- THE DROP STRUCTURES TO BE CONSTRUCTED BY THE DEVELOPER WILL BE EMBEDDED INTO THE WEST BANK, BASED UPON EXISTING GRADES.
- THE DEVELOPER WILL PROVIDE DRAINAGE RIGHT-OF-WAY FOR CHANNEL IMPROVEMENTS LOCATED WITHIN PATRIOT PARK PROPERTY. THE DEVELOPER WILL OBTAIN THE NECESSARY EASEMENTS OUTSIDE PATRIOT PARK PROPERTY.
- IMPROVEMENTS TO THE CHANNEL WILL BE NECESSITATED BY DEVELOPMENT ADJACENT TO THE CREEK.

NO.	DATE	DESCRIPTION REVISIONS	BY

BENCHMARK DATA(ELEV.) (DATUM) (DESCRIPTION/LOCATION)

FOR AND ON BEHALF OF MATRIX DESIGN GROUP, INC.

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PATRIOT PARK
MASTER DEVELOPMENT DRAINAGE PLAN
FULLY DEVELOPED CONDITIONS

DESIGNED BY: ZDH SCALE: 1"=100' DATE ISSUED: JULY 2007
DRAWN BY: ZDH HORIZ: 1"=100' SHEET NO. 2 OF 2 SHEETS
CHECKED BY: EDE VERT: N/A

DR02