

EXISTING WESTERN MUSEUM OF MINING AND INDUSTRY

FUTURE HOTEL SITE (OWNED BY OTHERS) OVERLOT GRADING HAS BEEN COMPLETED APPROXIMATELY AS SHOWN. RUNOFF HISTORICALLY IN SMITH CREEK BASIN, BUT DEVELOPED CONDITIONS CALL FOR PARCEL TO BE ROUTED INTO MONUMENT BRANCH PONDS AND OUTFALL.

STORMWATER WITHIN NORTH GATE BLVD. CONTINUES WEST WITHIN SMITH CREEK BASIN. DOES NOT FLOW DOWN MEADOWGRASS DRIVE INTO MONUMENT BRANCH BASIN.

EXISTING FED-EX (LOT 1 NORTHGATE CAMPUS FIL. NO. 2A)

EXISTING FED-EX DETENTION POND 36" OUTFALL PIPE DISCHARGES TO EXISTING SEDIMENT BASIN WHERE RUNOFF OVERTOPS AND SPILLS INTO TRIBUTARY CORRIDOR TO MONUMENT BRANCH CHANNEL.

EXISTING FED-EX 36" RCP OUTFALL PIPE EX-FX (Q5 = 21 CFS Q100 = 48 CFS)

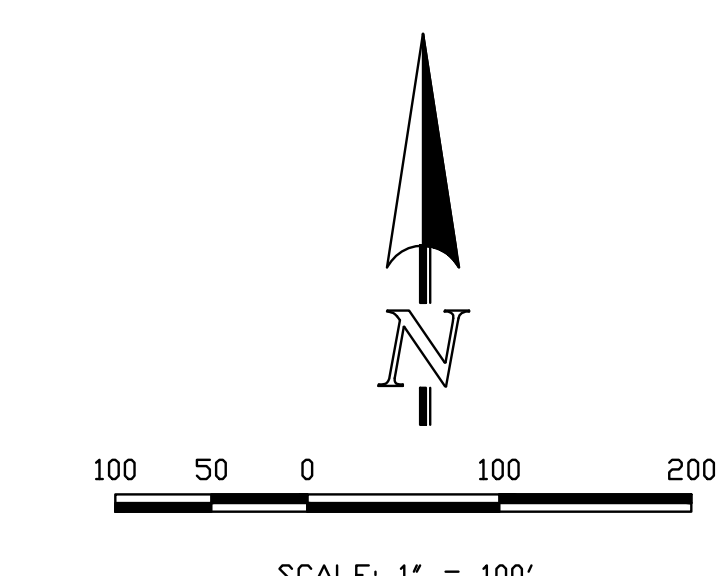
EXISTING SOUTHBOUND CDDT (I-25) 36" RCP CULVERT APPROX. 200 LF DOWNSTREAM OF THIS POINT. FROM THERE A MAN-MADE APPROX. 2' HIGH BERM IMPEDS THE PATH SOUTH TO MONUMENT BRANCH CHANNEL AND INSTEAD DIVERTS NORTH TO SMITH CREEK CHANNEL. (NOT AS PER DEFINED IN THE D.B.P.S.)

(ALLOWABLE RUNOFF PER D.B.P.S. "PRESENT CONDITIONS" Q10 = 42 CFS Q100 = 115 CFS)

EXISTING CDDT (I-25) 48" RCP CULVERT (ALLOWABLE RUNOFF PER D.B.P.S. "PRESENT CONDITIONS" Q10 = 45 CFS Q100 = 136 CFS)

BASIN RUNOFF SUMMARY		
BASIN	Q5 (CFS)	Q100 (CFS)
EX-P1	12.9	32.0
OS-A	4.2	8.3
OS-B	3.8	7.2
OS-C	5.1	9.6
OS-D	5.8	10.9
EX-A	35.6	88.5
EX-B	14.2	35.4
EX-C	5.5	13.6
EX-D	8.7	21.6

DESIGN POINT SUMMARY			
DESIGN POINT	Q5 (CFS)	Q100 (CFS)	INLET SIZE
7	4.2	8.3	(E) 10' AT-GRADE
8	3.8	7.2	(E) 10' AT-GRADE
9	60.2	126.4	(E) FED-EX POND
10	6.2	12.7	(E) STREET FLOW
11	5.8	10.9	(E) STREET FLOW
31-EX	34.9	79.0	(E) SEDIMENT BASIN
DBPS DP-12A	36.0	115.0	EX. I-25 CULVERT
DBPS DP-12	38.6	136.0	EX. I-25 CULVERT



CLASSIC CONSULTING ENGINEERS & SURVEYORS

BASS PRO AT NORTHGATE FILING NO. 1
M.D.D.P. AND LOT 4 F.D.R.
EXISTING CONDITIONS
DRAINAGE MAP

DESIGNED BY: MAL SCALE: DATE: 4/23/12
DRAWN BY: MAL (H) 1" = 100' SHEET 1 OF 2
CHECKED BY: (V) 1" = N/A JOB NO. 2363.00

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X:\2363\DRAWINGS\DEVELOPMENT\CDP Map.dwg, 7/16/2012 5:15:29 PM, DWG TO PDF, PC3