

EAST BASIN DESIGN CONTROL POINTS				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
(1)	26770496.93	756926.99	2396.5	TOP OF BERM - P.C. - MATCH EX.
(2)	26770496.31	756915.00	2396.5	TOP OF BERM - P.C.
(3)	26770497.18	756875.58	2384.3	MATCH EX. SPILLWAY
(4)	26770497.32	756850.53	2376.0	HINGE LINE - P.C.
(5)	26770497.67	756784.90	2354.1	BASIN FLOOR
(6)	26770611.37	756864.69	2396.7	MATCH EXISTING
(7)	26770601.56	756857.78	2396.5	TOP OF BERM - P.T.
(8)	26770552.35	756820.84	2376.0	HINGE LINE - P.T.
(9)	26770535.40	756785.10	2354.3	BASIN FLOOR - P.C.
(10)	26770560.04	756772.45	2354.4	BASIN FLOOR - P.T.
(11)	26770577.34	756785.33	2376.0	HINGE LINE
(12)	26770627.64	756820.72	2396.5	TOP OF BERM
(13)	26770637.45	756827.62	2396.8	MATCH EXISTING
(14)	26770633.48	756669.04	2355.0	BASIN FLOOR
(15)	26770650.65	756681.13	2376.0	HINGE LINE
(16)	26770700.95	756716.52	2396.5	TOP OF BERM
(17)	26770710.76	756723.42	2396.8	MATCH EXISTING
(18)	26770728.82	756534.93	2355.8	BASIN FLOOR - P.C.
(19)	26770745.96	756545.67	2376.0	HINGE LINE - P.C.
(20)	26770796.26	756581.05	2396.5	TOP OF BERM - P.C.
(21)	26770806.07	756587.96	2396.5	MATCH EXISTING
(22)	26770724.20	756521.14	2355.8	BASIN FLOOR - P.C.C
(23)	26770731.45	756502.16	2376.0	HINGE LINE - P.C.C.
(24)	26770750.43	756443.66	2397.0	TOP OF BERM - P.C.C.
(25)	26770754.13	756432.25	2397.6	MATCH EXISTING
(26)	26770665.57	756513.49	2355.7	BASIN FLOOR - P.T.
(27)	26770664.64	756493.15	2376.0	HINGE LINE - P.T.
(28)	26770661.83	756431.71	2397.0	TOP OF BERM - P.T.
(29)	26770661.28	756419.73	2397.5	MATCH EXISTING
(30)	26770436.92	756430.00	2396.5	TOP OF BERM - P.C.
(31)	26770437.47	756441.99	2396.5	TOP OF BERM - P.C.
(32)	26770440.26	756503.42	2376.0	HINGE LINE - P.C.
(33)	26770443.18	756523.99	2355.4	HINGE LINE - P.C.
(34)	26770436.07	756543.65	2355.3	END MAINT. ROAD - BASIN FLOOR
(35)	26770424.39	756540.74	2355.3	END MAINT. ROAD - BASIN FLOOR
(36)	26770403.53	756541.51	2376.0	HINGE LINE - P.T.
(37)	26770342.09	756538.97	2396.5	TOP OF BERM - P.T.
(38)	26770330.09	756538.62	2396.5	TOP OF BERM - P.T.
(39)	26770339.04	756643.83	2396.5	TOP OF BERM - ANGLE PT.
(40)	26770327.05	756642.99	2396.5	TOP OF BERM - ANGLE PT.
(41)	26770330.73	756718.64	2396.5	TOP OF BERM - ANGLE PT.
(42)	26770318.74	756717.93	2396.5	TOP OF BERM - ANGLE PT.
(43)	26770329.91	756840.08	2396.5	TOP OF BERM - ANGLE P.T
(44)	26770317.89	756842.93	2396.5	TOP OF BERM - ANGLE P.T
(45)	26770324.10	756890.03	2396.0	END BERM - MATCH EX.
(46)	26770342.98	756843.02	2396.4	MAINT. ROAD - ANGLE PT.
(47)	26770392.21	756722.25	2376.0	MAINT. ROAD - ANGLE PT.
(48)	26770403.70	756726.15	2376.0	MAINT. ROAD - ANGLE PT.
(49)	26770400.44	756848.12	2376.0	HINGE LINE - ANGLE PT.
(50)	26770439.11	756599.92	2355.0	BASIN FLOOR
(51)	26770445.03	756709.72	2354.5	WEST STRUCTURE WALL
(52)	26770445.81	756724.76	2354.4	EAST STRUCTURE WALL
(53)	26770446.44	756748.11	2354.3	WEST STRUCTURE WALL
(54)	26770446.95	756763.10	2354.3	EAST STRUCTURE WALL
(55)	26770447.54	756785.16	2354.2	BASIN FLOOR - ANGLE PT.
(56)	26770479.08	756784.80	2354.1	SOUTH STRUCTURE WALL
(57)	26770486.58	756784.84	2354.1	NORTH STRUCTURE WALL
(58)	26770399.99	756850.40	2376.0	HINGE LINE - ANGLE PT.
(59)	26770359.62	756874.68	2384.2	MATCH EX. SPILLWAY
(60)	26770372.19	756454.69	2395.3	TOP OF BERM - MATCH EX.
(61)	26770379.52	756463.84	2395.2	TOP OF BERM

EAST BASIN CURVE TABLE				
CURVE	RADIUS	LENGTH	TANGENT	DELTA
(C1)	102.00'	190.75'	138.22'	107°09'00"
(C2)	90.00'	168.31'	121.96'	107°09'00"
(C3)	28.50'	53.30'	38.62'	107°09'00"
(C4)	9.00'	16.94'	12.35'	107°49'52"
(C5)	262.00'	94.20'	47.62'	20°36'03"
(C6)	250.00'	89.89'	45.43'	20°36'03"
(C7)	188.50'	67.78'	34.26'	20°36'03"
(C8)	168.00'	59.43'	30.03'	20°16'08"
(C9)	30.00'	28.79'	15.61'	54°58'57"
(C10)	70.00'	64.82'	34.94'	53°03'17"
(C11)	135.00'	124.12'	66.84'	52°40'47"
(C12)	147.00'	135.16'	72.78'	52°40'47"
(C13)	112.00'	167.54'	103.91'	85°42'38"
(C14)	100.00'	149.59'	92.78'	85°42'38"
(C15)	38.50'	58.35'	36.43'	86°49'54"
(C16)	17.68'	28.02'	17.92'	90°46'28"

EAST BASIN REMOVAL NOTES

- 1 REMOVE 100 L.F.± EXISTING 60" RCP
- 2 REMOVE EXISTING BASIN INLET STRUCTURE
- 3 REMOVE 14 L.F.± EXISTING 36" RCP
- 4 REMOVE EXISTING STORM DRAIN MANHOLE
- 5 REMOVE 279 L.F.± EXISTING 36" RCP
- 6 REMOVE EXISTING STORM DRAIN MANHOLE
- 7 REMOVE 15 L.F.± EXISTING 36" RCP
- 8 REMOVE EXISTING BASIN OUTLET STRUCTURE
- 9 REMOVE 17 L.F.± EXISTING 36" RCP
- 10 REMOVE EXISTING STORM DRAIN MANHOLE
- 11 REMOVE 39 L.F.± EXISTING 36" RCP
- 12 REMOVE EXISTING BASIN INLET STRUCTURE
- 13 REMOVE 22 L.F.± EXISTING 36" RCP
- 14 REMOVE EXISTING BASIN INLET STRUCTURE
- 15 REMOVE 105 L.F.± EXISTING 6"x5" RCB
- 16 REMOVE 166 L.F.± EXISTING 54" RCP (TO MANHOLE)
- 17 REMOVE 353 L.F.± EXISTING CHAIN LINK FENCE
- 18 REMOVE 354 SQ. FT.± EXISTING RIPRAP
- 19 REMOVE 324 SQ. FT.± EXISTING RIPRAP
- 20 REMOVE 307 SQ. FT.± EXISTING RIPRAP
- 21 REMOVE EXISTING 158 L.F.± EXISTING 2" CONDUIT

EAST BASIN CONSTRUCTION NOTES

- 1.1 "WD" 35+24.35, 440.29' LT.
CONSTRUCT EAST BASIN NORTHWEST INLET STRUCTURE
SEE LAYOUT DETAILS ON SHEET G11
SEE STRUCTURAL DETAILS ON SHEETS S1 AND S6
- 1.2 INSTALL RIPRAP PAD
D50 = 18", Th = 3.0'
SEE LAYOUT DETAILS ON SHEET G11
- 1.3 CONSTRUCT 5' WIDE DETENTION BASIN LOW FLOW CHANNEL
SEE DETAILS ON SHEET D5
- 1.4 "WD" 38+24.39, 181.37' LT.
CONSTRUCT EAST BASIN OUTLET STRUCTURE
SEE LAYOUT DETAILS ON SHEET G12
SEE STRUCTURAL DETAILS ON SHEETS S1, S9 AND S10
- 1.5 INSTALL RIPRAP PAD
D50 = 18", Th = 3.0'
SEE LAYOUT DETAILS ON SHEET G12
- 1.6 "WD" 37+34.87, 129.48' LT.
CONSTRUCT EAST BASIN SOUTHWEST INLET STRUCTURE
SEE LAYOUT DETAILS ON SHEET G12
SEE STRUCTURAL DETAILS ON SHEETS S1 AND S7
- 1.7 "WD" 37+73.99, 131.01' LT.
CONSTRUCT EAST BASIN SOUTHEAST INLET STRUCTURE
SEE LAYOUT DETAILS ON SHEET G12
SEE STRUCTURAL DETAILS ON SHEETS S1 AND S8
- 1.8 CONSTRUCT 10' WIDE DETENTION BASIN LOW FLOW CHANNEL
SEE DETAILS ON SHEET D5
- 1.9 "WD" 35+87.02, 133.19' LT. TO
"WD" 38+82.07, 42.92' LT.
INSTALL BOLLARD AND CHAIN SAFETY RAIL
SEE DETAILS ON SHEET D5
- 1.10 "WD" 35+57.24, 28.93' LT.
TO "WD" 39+08.67, 23.38' LT.
INSTALL NEW 6" HIGH CHAIN LINK FENCE
PER NDOT STD. DWG. R-6.3.2.1
- 1.11 EXISTING 2" CONDUIT FOR MONITORING
STATION, PROTECT IN PLACE
- 1.12 INTERCEPT EXISTING 2" CONDUIT FOR
MONITORING STATION, INSTALL PULLBOX
SEE DETAILS ON SHEET D22
- 1.13 INSTALL NEW 2" CONDUIT TO NEW EAST
BASIN OUTLET STRUCTURE
SEE DETAILS ON SHEET D22
- 1.14 CONSTRUCT 12' WIDE CONCRETE MAINTENACE RAMP
SEE DETAILS ON SHEET G6
- 1.15 CONSTRUCT 12' WIDE MAINTENACE ROAD
SEE DETAILS ON SHEET G6

SHEET NOTES

1. SEE SHEET G11 & G12 FOR
ADDITIONAL STRUCTURE LAYOUT
INFORMATION.

115224

AVOID OVERHEAD POWER LINE CONTACT
IT'S COSTLY

Call before you Dig

1-800-227-2929

NEVADA POWER ENVIRONMENT AND
SAFETY SERVICES DEPARTMENT

Call before you Dig

1-800-227-2800

CLARK COUNTY PUBLIC UTILITIES DEPARTMENT

DEPARTMENT OF PUBLIC WORKS

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LAS VEGAS, NV 89101
702-228-6272

2727 SOUTH RAINBOW BOULEVARD
LAS VEGAS, NEVADA 89146-5148
PH. (702) 873-7550
FAX (702) 873-7550
WEB SITE: WWW.VNPNV.COM

RAINBOW DETENTION BASIN MODIFICATIONS
EAST BASIN GRADING PLAN
CONTROL DATA

MEADOWS ALTA PARALLEL PROJECT
PHASE II

DRAWN BY: VML WEM NOV 10, 2008

DESIGNED BY: JTN NOV 10, 2008

CHECKED BY: JNC NOV 10, 2008

PROJECT NO: 0812 SCALE: HORIZ. 1"=30'
VERT. NONE

PROFESSIONAL SEAL

JEFFREY N. GRIEST
EXP. 06-30-08
CIVIL
No. 17166
11/10/08

SHEET
G2
OF 120 SHEETS
DRAWN BY: JTN
3/27/201

H#11645

116512.dwg\\DESIGN\\G02\\G02.dwg User: jtn Date: Nov 18, 2008 8:10am