SURVEY NOTE:

THIS IS NOT A BOUNDARY SURVEY. BOUNDARY DATA IS SHOWN FOR ORIENTATION ONLY. BOUNDARY DEPICTED BY THIS PLAN IS BASED UPON BOUNDARY SURVEY PERFORMED BY HIGH MESA CONSULTING GROUP NMPS 11184, DATED JANUARY, 2007. THE TOPOGRAPHIC INFORMATION DEPICTED HEREON IS BASED UPON THE MASS GRADING PLAN FOR TRACT C-1 ANCIENT MESA DATED OCTOBER 12, 2007.

AS-BUILT LEGEND

~~CONSTRUCT~~	RECORD INFORMATION (VERIFIED BY ENGINEER)
✓	AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY ENGINEER)
~~38~~ 42"	RECORD INFORMATION (VERIFIED BY ENGINEER)
+25.2	RECORD INFORMATION (VERIFIED BY ENGINEER)
⊕ 28.~~95~~.42	RECORD INFORMATION (VERIFIED BY ENGINEER)
✓	AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY AS-BUILT SURVEY)
~~31~~ 31.8	RECORD INFORMATION FROM AS-BUILT SURVEY
+26.9	RECORD INFORMATION FROM AS-BUILT SURVEY
⊕ 31.~~25~~.22	RECORD INFORMATION FROM AS-BUILT SURVEY

SHEET KEY NOTES:

1. ~~CONSTRUCT~~ 6" CURB AND GUTTER PER SECTION A5, SHEET C-313
2. ~~CONSTRUCT~~ ASPHALTIC CONCRETE PAVEMENT PER SECTION D4, SHEET C-313
3. ~~CONSTRUCT~~ 4" PORTLAND CEMENT CONCRETE SIDEWALK PER SECTION D2, SHEET C-311
4. ~~STRIPE~~ PARKING LOT WITH 4" WHITE TRAFFIC PAINT MIN. 2 COATS (8 SPACES @ 9.5' = 76')
5. ~~STRIPE~~ PARKING LOT WITH 4" WHITE TRAFFIC PAINT MIN. 2 COATS (22 SPACES @ 9' = 198')
6. ~~STRIPE~~ PARKING LOT WITH 4" WHITE TRAFFIC PAINT MIN. 2 COATS (4 SPACES @ 8.5' = 34')
7. ~~STRIPE~~ PARKING LOT WITH 4" WHITE TRAFFIC PAINT MIN. 2 COATS (5 SPACES @ 9.5' = 47.5')
8. ~~STRIPE~~ PARKING LOT WITH 4" WHITE TRAFFIC PAINT MIN. 2 COATS (4 SPACES @ 9.5' = 38')
9. ~~STRIPE~~ PARKING LOT WITH 4" WHITE TRAFFIC PAINT MIN. 2 COATS (9 SPACES @ 9.5' = 85.5')
10. ~~STRIPE~~ PARKING LOT WITH 4" WHITE TRAFFIC PAINT MIN. 2 COATS (11 SPACES @ 9.5' = 104.5')
11. ~~STRIPE~~ PARKING LOT WITH 4" WHITE TRAFFIC PAINT MIN. 2 COATS (15 SPACES @ 9.5' = 142.5')
12. ~~STRIPE~~ PARKING LOT WITH 4" WHITE TRAFFIC PAINT MIN. 2 COATS (14 SPACES @ 9.5' = 133')
13. FUTURE CRUSHER FINES PATH – N.I.C.
14. FUTURE MULTI PURPOSE FIELD – N.I.C.
15. ~~INSTALL~~ IRRIGATION SYSTEM. SEE LANDSCAPE DRAWINGS, SHEETS L-101 THROUGH L-103
16. ~~STRIPE~~ PARKING LOT WITH 4" WHITE TRAFFIC PAINT MIN. 2 COATS (27 SPACES @ 9.5' = 256.5')
17. ~~STRIPE~~ PARKING LOT WITH 4" WHITE TRAFFIC PAINT MIN. 2 COATS (36 SPACES @ 9.5' = 342')
18. ~~STRIPE~~ PARKING LOT WITH 4" WHITE TRAFFIC PAINT MIN. 2 COATS (4 SPACES @ 9' = 36')
19. (△7) ~~PAINT~~ 24" STOP BAR AND "STOP" STENCIL~~ING~~ED WITH WHITE TRAFFIC PAINT MIN. 2 COATS, PER THE M.U.T.C.D. ~~INSTALL~~ 24"X24" R1-1 STOP SIGN ON A POST AT BACK OF CURB PER M.U.T.C.D. LATEST EDITION ~~(STOP SIGN IN PROGRESS)~~
20. ~~STRIPE~~ 5' LONG DIRECTIONAL ARROW WITH WHITE TRAFFIC PAINT, MIN. 2 COATS. PER M.U.T.C.D., LATEST EDITION
21. (△7) ~~CONSTRUCT~~ CRUSHER FINES BLEACHER PAD AREA PER SECTION A5, SHEET C-312 ~~(IN PROGRESS)~~
22. ~~INSTALL~~ 12" WIDE FIELD CURB SECTION D4, SHEET C-312 WITH 4' GREEN VINYL COATED CLOSED LOOP CHAINLINK FENCE PER
23. ~~INSTALL~~ 12" WIDE FIELD CURB SECTION D4, SHEET C-312 WITH 8' GREEN VINYL COATED CLOSED LOOP CHAINLINK FENCE
24. ~~CONSTRUCT~~ 2' CURB OPENINGS @ 54' O.C. TYPICAL. (WITH CONCRETE RUN DOWNS)
25. ~~CONSTRUCT~~ 210' BY 350' SYNTHETIC TURF SOCCER FIELD, SHEET C-323
26. RIP-RAP AND NATIVE GRASS LANDSCAPE AREA, SEE LANDSCAPE DRAWINGS, SHEETS L-104 THROUGH L-106
27. ~~INSTALL~~ 12' DOUBLE LEAF GREEN VINYL COATED DOUBLE SWING GATE. EACH GATE SHALL HAVE ONE 8' LEAF AND 4' LEAF, FOR A TOTAL OF 12'
28. ~~CONSTRUCT~~ 16 EACH 5' X 5' CONCRETE TREE WELLS @ 21' O.C. PER LANDSCAPE DRAWINGS
29. ~~CONSTRUCT~~ 8 EACH 8' X 10' CONCRETE BLOCK TREE WELLS PER THE LANDSCAPE DRAWINGS
30. 10' X 80' LANDSCAPE PLANTER AREA PER THE LANDSCAPE DRAWINGS
31. ~~CONSTRUCT~~ 3 EACH 8' X 8' CONCRETE LANDSCAPE WELLS PER THE LANDSCAPE DRAWINGS
32. (△7) ~~CONSTRUCT~~ 6" COLORED CONCRETE: COLOR: DAVIS COLOR "SUNSET ROSE", ACCESS RAMP PER SECTION A3, SHEET C-312 ~~(IN PROGRESS)~~
33. ~~CONSTRUCT~~ CMU RETAINING WALL PER SHEET C-321
34. ~~CONSTRUCT~~ REINFORCED CONCRETE RETAINING WALL PER SHEET C-322
35. (△7) CONCRETE STAIRS PER THE LANDSCAPE DRAWINGS ~~(IN PROGRESS)~~
36. SHADE STRUCTURE, SEE ARCHITECTURAL DRAWINGS
37. CONCESSION STAND / RESTROOMS BUILDING, SEE ARCHITECTURAL DRAWINGS
38. STORAGE BUILDING, SEE ARCHITECTURAL DRAWINGS
39. TICKET BOOTH / ENTRY STRUCTURE, SEE ARCHITECTURAL DRAWINGS
40. (△7) ~~INSTALL~~ EXPANSION JOINT WITH PREFORMED FILLER STRIP. REMOVE STRIP AND INSTALL POLYURETHANE EXTERIOR GRADE CAULK ~~(IN PROGRESS)~~
41. (△7) ~~STRIPE~~ FOUR HANDICAP PARKING SPACES AND TWO ACCESS AISLES AT 9.5' (6 SPACES @ 9.5' = 57'). CROSS HATCH AISLES AND INSTALL ADA APPROVED UNIVERSAL SYMBOL AS SHOWN. STRIPING AND MARKINGS SHALL BE APPLIED WITH WHITE TRAFFIC PAINT, MIN. 2 COATS. ~~INSTALL~~ ONE SIGN PER PARKING SPACE, PER DETAIL D1, SHEET C-312 AT BACK OF SIDEWALK. ~~(SIGNS IN PROGRESS)~~
42. ~~STRIPE~~ PARKING LOT WITH 4" WHITE TRAFFIC PAINT MIN. 2 COATS (23 SPACES @ 9.5' = 218.5')
43. ~~STRIPE~~ PARKING LOT WITH 4" WHITE TRAFFIC PAINT MIN. 2 COATS (21 SPACES @ 9.5' = 199.5')
44. (△7) ~~CONSTRUCT~~ REFUSE PAD AND ENCLOSURE PER DETAIL C-5, SHEET C-313 ~~(PAD IN PROGRESS)~~
45. (△7) ~~CONSTRUCT~~ 6" PORTLAND CEMENT CONCRETE APRON, PER DETAIL C5, SHEET C-313 ~~(IN PROGRESS)~~
46. ~~APPLY~~ TWO COATS OF WHITE TRAFFIC PAINTED CROSSWALK PER DETAIL A1, SHEET C-312
47. ~~INSTALL~~ 8' DOUBLE SWING GATE. -INSTALLED BY SEPARATE CONTRACT
48. ~~INSTALL~~ 12" WIDE FIELD CURB PER SECTION D4, SHEET C-312 WITH 132 LF 12' GREEN VINYL COATED CLOSED LOOP CHAINLINK FENCE
49. PIPE SAFETY RAIL (TYPICAL OF 3) LANDSCAPE DRAWINGS. PER DETAIL C1, SHEET L-308
50. ~~NEW~~ LIGHT POST TYPICAL, SHEET E-100
51. ~~INSTALL~~ 6"X6" CONCRETE EDGE CURB PER SECTION B1, SHEET C-312
52. ~~CONSTRUCT~~ ~~3'~~ 25" WIDE DRAINAGE RUNDOWN, SHEET C-320
53. (△7) BIKE RACK AREA. TYPICAL, SHEET L-311 ~~(IN PROGRESS)~~
54. (△7) ~~INSTALL~~ FLAG POLE. TYPICAL ONE OF THREE, PER DETAIL B2, SHEETS L-308 AND L-310 ~~(IN PROGRESS)~~
55. ~~NEW~~ 70 FOOT FIELD LIGHTING POLE, SEE SHEET E-100
56. ~~NEW~~ PARKING LOT LIGHTING POLE AND WHEELSTOP FIXTURE, SEE SHEET E-100
57. (△7) ~~INSTALL~~ PRECAST CONCRETE WHEELSTOP. TYPICAL, PER SECTION B4, SHEET C-312 ~~(IN PROGRESS)~~
58. ~~INSTALL~~ 24" SIDEWALK CULVERT PER DETAIL A5, SHEET C-319
59. (△7) NEW TRASH RECEPTACLE PER LANDSCAPE DRAWINGS ~~(IN PROGRESS)~~
60. ~~STRIPE~~ SIX MOTORCYCLE PARKING SPACES (2 SPACES @ 4.75' = 9.5' AND 4 SPACES @ 4.5' = 18.00' TOTAL = 27.5')
61. (△7) ~~CONSTRUCT~~ HEADER CURB, PER SECTION C3, SHEET C-313 ~~(IN PROGRESS)~~
62. (△7) ~~STRIPE~~ FIVE HANDICAP PARKING SPACES AND TWO ACCESS AISLES AT 9.5' (7 SPACES @ 9.5' = 66.5') CROSS HATCH AISLES AND INSTALL ADA APPROVED UNIVERSAL SYMBOL AS SHOWN STRIPING AND MARKINGS SHALL BE APPLIED WITH WHITE TRAFFIC MARKING PAINT, MIN. 2 COATS. ~~INSTALL~~ ONE SIGN PER PARKING SPACE. PER DETAIL D1, SEE SHEET C-312 AT BACK OF SIDEWALK ~~(SIGNS IN PROGRESS)~~
63. (△7) ~~STRIPE~~ TWO HANDICAP PARKING SPACES AND TWO ACCESS AISLES AT 9' (4 SPACES @ 9' = 36') CROSS HATCH AISLES AND INSTALL ADA APPROVED UNIVERSAL SYMBOL AS SHOWN STRIPING AND MARKINGS SHALL BE APPLIED WITH WHITE TRAFFIC MARKING PAINT, MIN. 2 COATS. ~~INSTALL~~ ONE SIGN PER PARKING SPACE. PER DETAIL D1, SHEET C-312 AT BACK OF SIDEWALK ~~(SIGNS IN PROGRESS)~~
64. (△7) ~~STRIPE~~ FIVE HANDICAP PARKING SPACES AND THREE ACCESS AISLES AT 9.5' (8 SPACES @ 9.5' = 76') CROSS HATCH AISLES AND INSTALL ADA APPROVED UNIVERSAL SYMBOL AS SHOWN STRIPING AND MARKINGS SHALL BE APPLIED WITH WHITE TRAFFIC MARKING PAINT, MIN. 2 COATS. ~~INSTALL~~ ONE SIGN PER PARKING SPACE. PER DETAIL D1, SHEET C-312 AT BACK OF SIDEWALK ~~(SIGNS IN PROGRESS)~~
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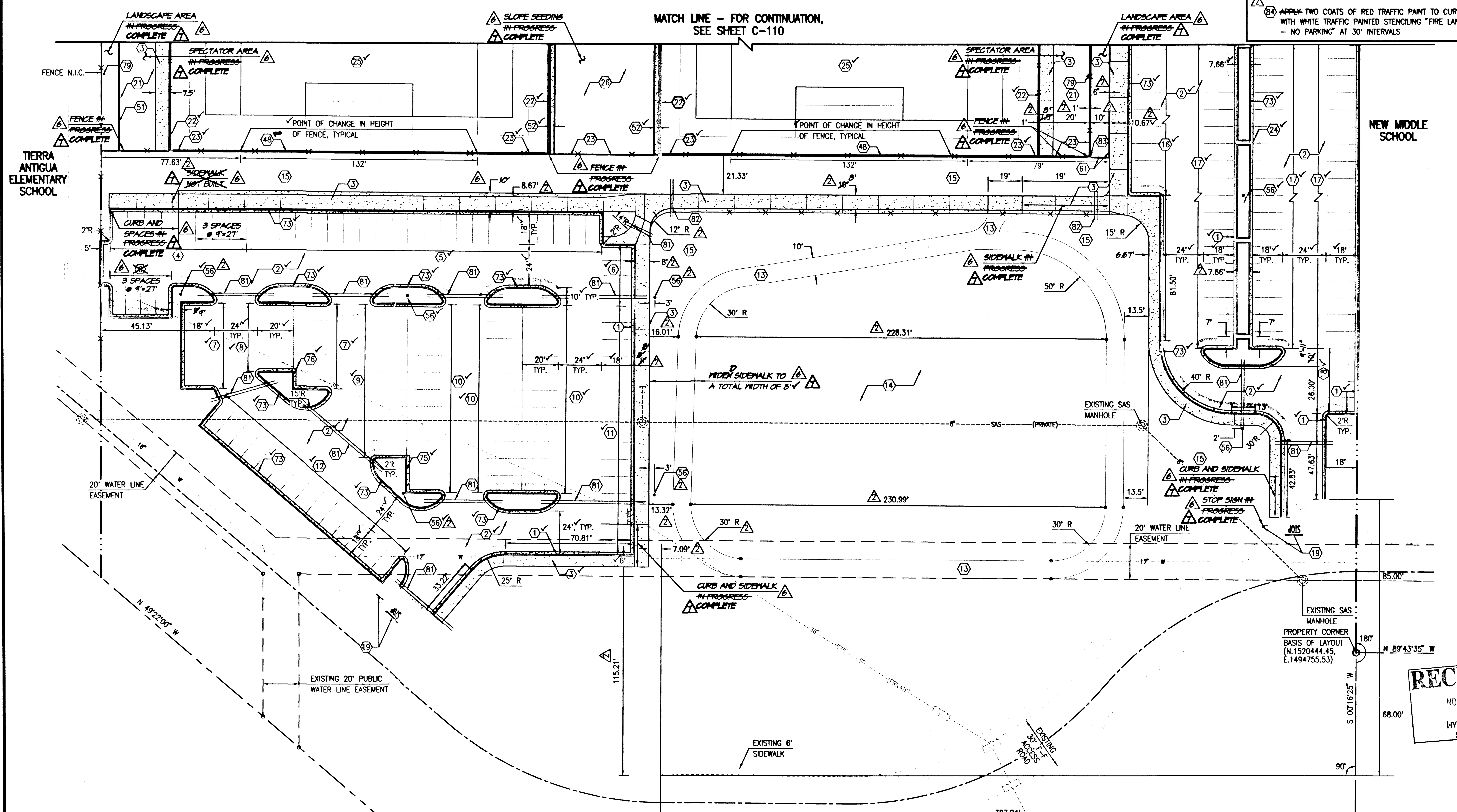
67. ~~CONSTRUCT~~ MOUNTABLE ROLL DEPRESSED TYPE CURB, PER SECTION A1, SHEET C-313
68. TRANSITION FROM MOUNTABLE ROLL TYPE CURB TO 6" STANDARD CURB AND GUTTER
69. ~~CONSTRUCT~~ GUTTER AT CURB ACCESS RAMP AT HANDICAP PARKING SPACES PER SECTION B3, SHEET C-312
70. ~~INSTALL~~ 4' SINGLE GREEN VINYL COATED SINGLE SWING GATE
71. ~~CONSTRUCT~~ 4" CONCRETE PAVEMENT PER SECTION D2, SHEET C-313
72. ~~CONSTRUCT~~ 6" CONCRETE PAVEMENT PER SECTION D2, SHEET C-312
73. ~~CONSTRUCT~~ DEPRESSED 6" CURB AND GUTTER PER SECTION A3, SHEET C-313
74. ~~CONSTRUCT~~ CURB TRANSITION PER DETAIL D5, SHEET C-314
75. ~~CONSTRUCT~~ ISLAND PER DETAIL A5, SHEET C-314
76. ~~CONSTRUCT~~ ISLAND PER DETAIL B5, SHEET C-314
77. (△7) ~~PURCHASE AND INSTALL~~ TWO 3 ROW X 27' LONG BLEACHERS PER SPECIFICATION SECTION 129300 ~~(IN PROGRESS)~~
78. ~~INSTALL~~ SAFE DISPERSAL AREA DIRECTIONAL SIGN PER DETAIL D1, SHEET C-312
79. ~~INSTALL~~ SAFE DISPERSAL AREA SIGN PER DETAIL D1, SHEET C-312
80. ~~CONNECT~~ NEW CHAINLINK FENCE TO EXISTING CHAINLINK FENCE
81. ~~INSTALL~~ 4" PVC CLASS 200 IRRIGATION SLEEVE, SEE LANDSCAPE DRAWINGS, SHEETS L-101 THROUGH L-103
82. ~~INSTALL~~ 6" PVC CLASS 200 IRRIGATION SLEEVE, SEE LANDSCAPE DRAWINGS, SHEETS L-101 THROUGH L-103
83. TOP OF HEADER CURB ELEVATION IS EQUAL TO TOP OF FIELD CURB
84. (△2) ~~APPLY~~ TWO COATS OF RED TRAFFIC PAINT TO CURB WITH WHITE TRAFFIC PAINTED STENCILING "FIRE LANE – NO PARKING" AT 30' INTERVALS



RECORD DRAWING
FOR CERTIFICATION, SEE SHEET 1

A1 SITE PLAN – SOUTH
SCALE: 1" = 30'

RECEIVED NOV 1 2009 HYDROLOGY SECTION

HIGH MESA Consulting Group
6010-B MIDWAY PARK BLVD. NE
ALBUQUERQUE, NEW MEXICO 87109
PHONE: 505.345.4250 FAX: 505.345.4254
www.highmesacg.com

JEFFREY G. MORTENSEN, NEW MEXICO, 8547, REGISTERED PROFESSIONAL ENGINEER
02-06-2009 08-19-2009 11-10-2009 11-25-2008

ALBUQUERQUE PUBLIC SCHOOLS NORTHWEST EDUCATION CORRIDOR NEW SOCCER FIELD COMPLEX

NO.	DATE	BY	REVISIONS
△2	02/09	G.R.B.	CORRECT DIMENSIONS
			ADD KEYED NOTE 84
△6	08/09	G.R.B.	TCL CERT. FOR TEMP. C.O.
△7	11/09	J&M	TCL CERT. FOR PERM. C.O.

PROJECT No.	2007.180.3
DESIGNED BY	G.R.B.
DRAWN BY	J.Y.R./BLE
APPROVED BY	J.G.M.

SHEET TITLE
SITE PLAN-SOUTH

C-109
SHEET 9 OF 90

SURVEY NOTE:

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AS-BUILT LEGEND (6)

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24. ~~CONSTRUCT~~ 2' CURB OPENINGS @ 54' O.C. TYPICAL. (WITH CONCRETE RUN DOWNS)
25. ~~CONSTRUCT~~ 210' BY 350' SYNTHETIC TURF SOCCER FIELD, SHEET C-323
26. RIP-RAP AND NATIVE GRASS LANDSCAPE AREA, SEE LANDSCAPE DRAWINGS, SHEETS L-104 THROUGH L-106
27. ~~INSTALL~~ 12' DOUBLE LEAF GREEN VINYL COATED DOUBLE SWING GATE. EACH GATE SHALL HAVE ONE 8' LEAF AND 4' LEAF, FOR A TOTAL OF 12'
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29. ~~CONSTRUCT~~ 8 EACH 8' X 10' CONCRETE BLOCK TREE WELLS PER THE LANDSCAPE DRAWINGS
30. 10' X 80' LANDSCAPE PLANTER AREA PER THE LANDSCAPE DRAWINGS
31. ~~CONSTRUCT~~ 3 EACH 8' X 8' CONCRETE LANDSCAPE WELLS PER THE LANDSCAPE DRAWINGS
32. (7) ~~CONSTRUCT~~ 6" COLORED CONCRETE: COLOR: DAVIS COLOR "SUNSET ROSE", ACCESS RAMP PER SECTION A3, SHEET C-312 ~~(IN PROGRESS)~~
33. ~~CONSTRUCT~~ CMU RETAINING WALL PER SHEET C-321
34. ~~CONSTRUCT~~ REINFORCED CONCRETE RETAINING WALL PER SHEET C-322
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41. (7) ~~STRIPE~~ FOUR HANDICAP PARKING SPACES AND TWO ACCESS AISLES AT 9.5' (6 SPACES @ 9.5' = 57'). CROSS HATCH AISLES AND INSTALL ADA APPROVED UNIVERSAL SYMBOL AS SHOWN. STRIPING AND MARKINGS SHALL BE APPLIED WITH WHITE TRAFFIC PAINT, MIN. 2 COATS. ~~INSTALL~~ ONE SIGN PER PARKING SPACE, PER DETAIL D1, SHEET C-312 AT BACK OF SIDEWALK. ~~(SIGNS IN PROGRESS)~~
42. ~~STRIPE~~ PARKING LOT WITH 4" WHITE TRAFFIC PAINT MIN. 2 COATS (23 SPACES @ 9.5' = 218.5')
43. ~~STRIPE~~ PARKING LOT WITH 4" WHITE TRAFFIC PAINT MIN. 2 COATS (21 SPACES @ 9.5' = 199.5')
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45. (7) ~~CONSTRUCT~~ 6" PORTLAND CEMENT CONCRETE APRON, PER DETAIL C5, SHEET C-313 ~~(IN PROGRESS)~~
46. ~~APPLY~~ TWO COATS OF WHITE TRAFFIC PAINTED CROSSWALK PER DETAIL A1, SHEET C-312
47. ~~INSTALL~~ 8' DOUBLE SWING GATE. -INSTALLED BY SEPARATE CONTRACT
48. ~~INSTALL~~ 12" WIDE FIELD CURB PER SECTION D4, SHEET C-312 WITH 132 LF 12' GREEN VINYL COATED CLOSED LOOP CHAINLINK FENCE
49. PIPE SAFETY RAIL (TYPICAL OF 3) LANDSCAPE DRAWINGS. PER DETAIL C1, SHEET L-308
50. ~~NEW~~ LIGHT POST TYPICAL, SHEET E-100
51. ~~INSTALL~~ 6"X6" CONCRETE EDGE CURB PER SECTION B1, SHEET C-312
52. ~~CONSTRUCT~~ ~~3'~~ 25' WIDE DRAINAGE RUNDOWN, SHEET C-320
53. (7) BIKE RACK AREA. TYPICAL, SHEET L-311 ~~(IN PROGRESS)~~
54. (7) ~~INSTALL~~ FLAG POLE. TYPICAL ONE OF THREE, PER DETAIL B2, SHEETS L-308 AND L-310 ~~(IN PROGRESS)~~
55. ~~NEW~~ 70 FOOT FIELD LIGHTING POLE, SEE SHEET E-100
56. ~~NEW~~ PARKING LOT LIGHTING POLE AND WHEELSTOP FIXTURE, SEE SHEET E-100
57. (7) ~~INSTALL~~ PRECAST CONCRETE WHEELSTOP. TYPICAL, PER SECTION B4, SHEET C-312 ~~(IN PROGRESS)~~
58. ~~INSTALL~~ 24" SIDEWALK CULVERT PER DETAIL A5, SHEET C-319
59. (7) NEW TRASH RECEPTACLE PER LANDSCAPE DRAWINGS ~~(IN PROGRESS)~~
60. ~~STRIPE~~ SIX MOTORCYCLE PARKING SPACES (2 SPACES @ 4.75' = 9.5' AND 4 SPACES @ 4.5' = 18.00' TOTAL = 27.5')
61. (7) ~~CONSTRUCT~~ HEADER CURB, PER SECTION C3, SHEET C-313 ~~(IN PROGRESS)~~
62. (7) ~~STRIPE~~ FIVE HANDICAP PARKING SPACES AND TWO ACCESS AISLES AT 9.5' (7 SPACES @ 9.5' = 66.5') CROSS HATCH AISLES AND INSTALL ADA APPROVED UNIVERSAL SYMBOL AS SHOWN STRIPING AND MARKINGS SHALL BE APPLIED WITH WHITE TRAFFIC MARKING PAINT, MIN. 2 COATS. ~~INSTALL~~ ONE SIGN PER PARKING SPACE. PER DETAIL D1, SEE SHEET C-312 AT BACK OF SIDEWALK ~~(SIGNS IN PROGRESS)~~
63. (7) ~~STRIPE~~ TWO HANDICAP PARKING SPACES AND TWO ACCESS AISLES AT 9' (4 SPACES @ 9' = 36') CROSS HATCH AISLES AND INSTALL ADA APPROVED UNIVERSAL SYMBOL AS SHOWN STRIPING AND MARKINGS SHALL BE APPLIED WITH WHITE TRAFFIC MARKING PAINT, MIN. 2 COATS. ~~INSTALL~~ ONE SIGN PER PARKING SPACE. PER DETAIL D1, SHEET C-312 AT BACK OF SIDEWALK ~~(SIGNS IN PROGRESS)~~
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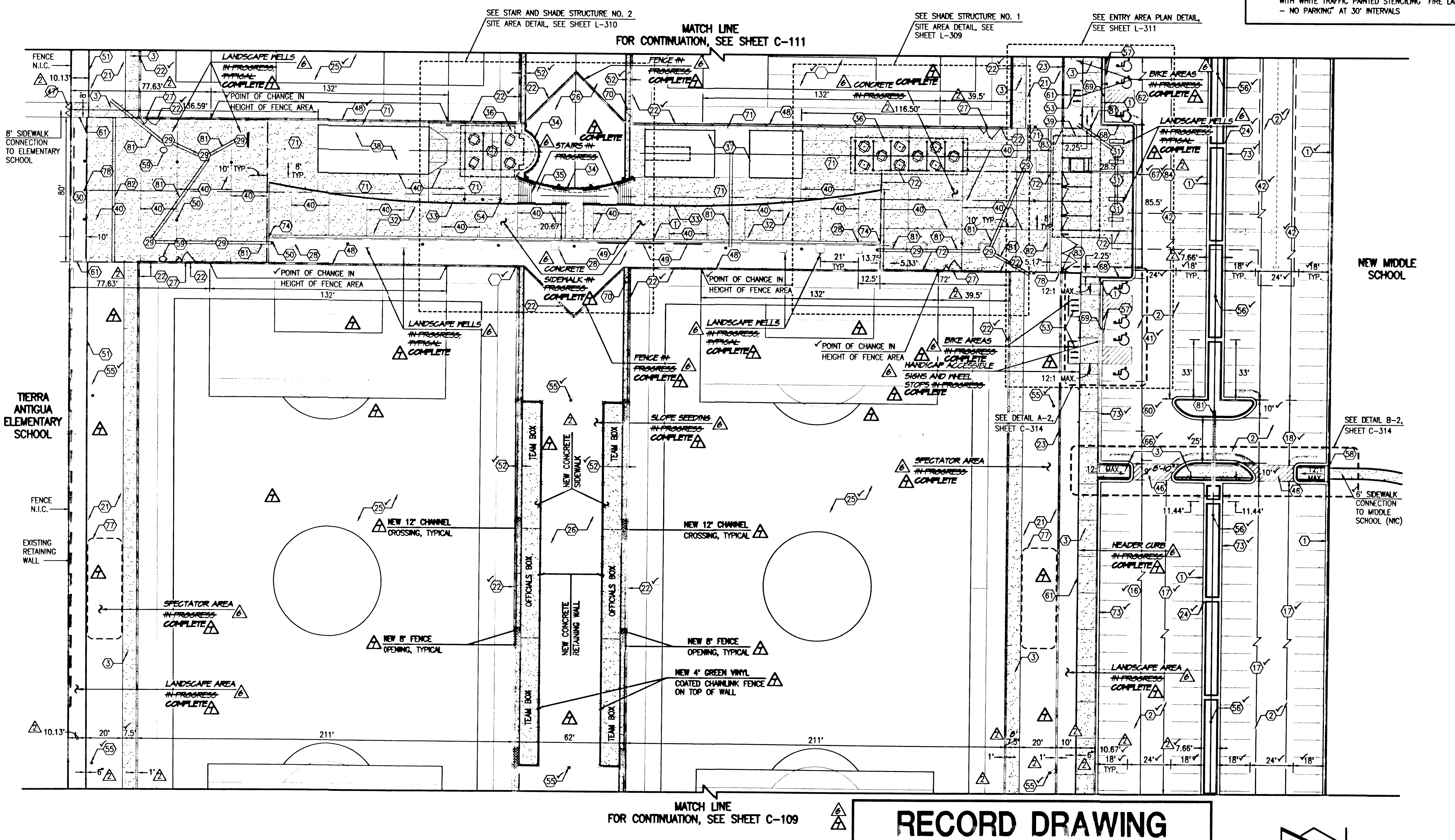
66. ~~STRIPE~~ PARKING LOT WITH 4" WHITE TRAFFIC PAINT MIN. 2 COATS (2 SPACES @ 9' = 18')
67. ~~CONSTRUCT~~ MOUNTABLE ROLL DEPRESSED TYPE CURB, PER SECTION A1, SHEET C-313
68. TRANSITION FROM MOUNTABLE ROLL TYPE CURB TO 6" STANDARD CURB AND GUTTER
69. ~~CONSTRUCT~~ GUTTER AT CURB ACCESS RAMP AT HANDICAP PARKING SPACES PER SECTION B3, SHEET C-312
70. ~~INSTALL~~ 4' SINGLE GREEN VINYL COATED SINGLE SWING GATE
71. ~~CONSTRUCT~~ 4" CONCRETE PAVEMENT PER SECTION D2, SHEET C-313
72. ~~CONSTRUCT~~ 6" CONCRETE PAVEMENT PER SECTION D2, SHEET C-312
73. ~~CONSTRUCT~~ DEPRESSED 6" CURB AND GUTTER PER SECTION A3, SHEET C-313
74. ~~CONSTRUCT~~ CURB TRANSITION PER DETAIL D5, SHEET C-314
75. ~~CONSTRUCT~~ ISLAND PER DETAIL A5, SHEET C-314
76. ~~CONSTRUCT~~ ISLAND PER DETAIL B5, SHEET C-314
77. (7) ~~PURCHASE AND INSTALL~~ TWO 3 ROW X 27' LONG BLEACHERS PER SPECIFICATION SECTION 129300 ~~(IN PROGRESS)~~
78. ~~INSTALL~~ SAFE DISPERSAL AREA DIRECTIONAL SIGN PER DETAIL D1, SHEET C-312
79. ~~INSTALL~~ SAFE DISPERSAL AREA SIGN PER DETAIL D1, SHEET C-312
80. ~~CONNECT~~ NEW CHAINLINK FENCE TO EXISTING CHAINLINK FENCE
81. ~~INSTALL~~ 4" PVC CLASS 200 IRRIGATION SLEEVE, SEE LANDSCAPE DRAWINGS, SHEETS L-101 THROUGH L-103
82. ~~INSTALL~~ 6" PVC CLASS 200 IRRIGATION SLEEVE, SEE LANDSCAPE DRAWINGS, SHEETS L-101 THROUGH L-103
83. TOP OF HEADER CURB ELEVATION IS EQUAL TO TOP OF FIELD CURB
84. (2) ~~APPLY~~ TWO COATS OF RED TRAFFIC PAINT TO CURB WITH WHITE TRAFFIC PAINTED STENCILING "FIRE LANE – NO PARKING" AT 30' INTERVALS



RECORD DRAWING
FOR CERTIFICATION, SEE SHEET 1

A1 SITE PLAN – CENTER
SCALE: 1" = 30'

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02-06-2009
08-19-2009
11-13-2009
11-25-2009

ALBUQUERQUE PUBLIC SCHOOLS
NORTHWEST EDUCATION CORRIDOR
NEW SOCCER FIELD COMPLEX

APS

NO.	DATE	BY	REVISIONS
2	02/09	G.R.B.	CORRECT DIMENSIONS / ADD KEYED NOTE 84
6	08/09	S.R.B.	TCL CERT. FOR TEMP. C.O.
7	11/09	J.B.M.	TCL CERT. FOR PERM. C.O.

PROJECT No.	2007.180.3
DESIGNED BY	G.R.B.
DRAWN BY	J.Y.R./BLE
APPROVED BY	J.G.M.

SHEET TITLE
SITE PLAN - CENTER

C-110
SHEET 10 OF 90

File Path: [illegible] | Plot Date: 11-09-2009
File Name: 71803_SPC-R7.DWG | Plot Time: 4:06 pm

SURVEY NOTE:

THIS IS NOT A BOUNDARY SURVEY. BOUNDARY DATA IS SHOWN FOR ORIENTATION ONLY. BOUNDARY DEPICTED BY THIS PLAN IS BASED UPON BOUNDARY SURVEY PERFORMED BY HIGH MESA CONSULTING GROUP NMPS 11184, DATED JANUARY, 2007. THE TOPOGRAPHIC INFORMATION DEPICTED HEREON IS BASED UPON THE MASS GRADING PLAN FOR TRACT C-1 ANCIENT MESA DATED OCTOBER 12, 2007.

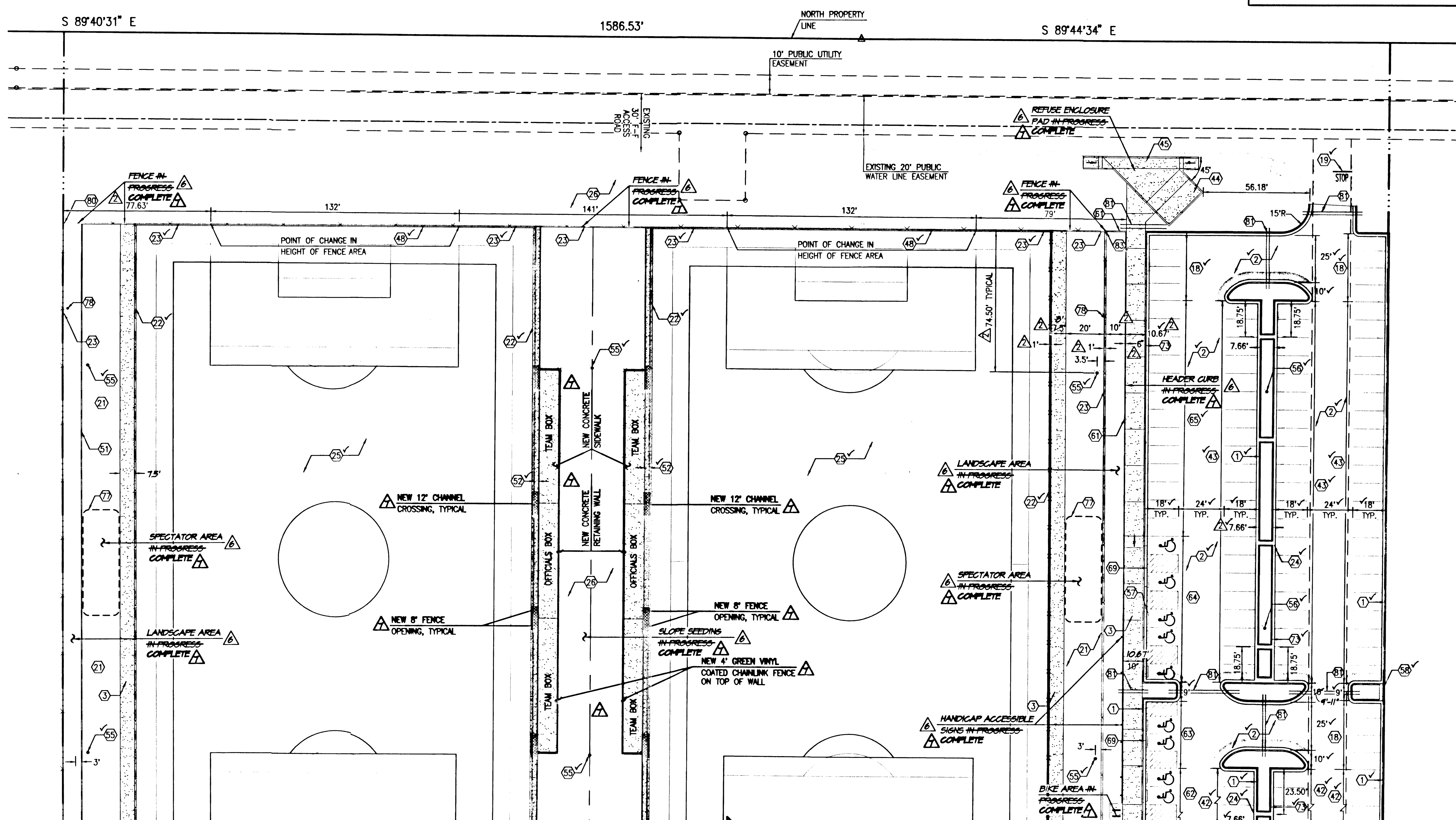
AS-BUILT LEGEND (6)

~~CONSTRUCT~~	RECORD INFORMATION (VERIFIED BY ENGINEER)
✓	AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY ENGINEER)
~~38~~ 42"	RECORD INFORMATION (VERIFIED BY ENGINEER)
+ ~~23.2~~	RECORD INFORMATION (VERIFIED BY ENGINEER)
⊕ 28.~~95~~.42	RECORD INFORMATION (VERIFIED BY ENGINEER)
✓	AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY AS-BUILT SURVEY)
~~32~~ 31.8	RECORD INFORMATION FROM AS-BUILT SURVEY
+ 26.9	RECORD INFORMATION FROM AS-BUILT SURVEY
⊕ 31.~~25~~.22	RECORD INFORMATION FROM AS-BUILT SURVEY

SHEET KEY NOTES:

1. ~~CONSTRUCT~~ 6" CURB AND GUTTER PER SECTION A5, SHEET C-313
2. ~~CONSTRUCT~~ ASPHALTIC CONCRETE PAVEMENT PER SECTION D4, SHEET C-313
3. ~~CONSTRUCT~~ 4" PORTLAND CEMENT CONCRETE SIDEWALK PER SECTION D2, SHEET C-311
4. ~~STRIPE~~ PARKING LOT WITH 4" WHITE TRAFFIC PAINT MIN. 2 COATS (8 SPACES @ 9.5' = 76')
5. ~~STRIPE~~ PARKING LOT WITH 4" WHITE TRAFFIC PAINT MIN. 2 COATS (22 SPACES @ 9' = 198')
6. ~~STRIPE~~ PARKING LOT WITH 4" WHITE TRAFFIC PAINT MIN. 2 COATS (4 SPACES @ 8.5' = 34')
7. ~~STRIPE~~ PARKING LOT WITH 4" WHITE TRAFFIC PAINT MIN. 2 COATS (5 SPACES @ 9.5' = 47.5')
8. ~~STRIPE~~ PARKING LOT WITH 4" WHITE TRAFFIC PAINT MIN. 2 COATS (4 SPACES @ 9.5' = 38')
9. ~~STRIPE~~ PARKING LOT WITH 4" WHITE TRAFFIC PAINT MIN. 2 COATS (9 SPACES @ 9.5' = 85.5')
10. ~~STRIPE~~ PARKING LOT WITH 4" WHITE TRAFFIC PAINT MIN. 2 COATS (11 SPACES @ 9.5' = 104.5')
11. ~~STRIPE~~ PARKING LOT WITH 4" WHITE TRAFFIC PAINT MIN. 2 COATS (15 SPACES @ 9.5' = 142.5')
12. ~~STRIPE~~ PARKING LOT WITH 4" WHITE TRAFFIC PAINT MIN. 2 COATS (14 SPACES @ 9.5' = 133')
13. FUTURE CRUSHER FINES PATH – N.I.C.
14. FUTURE MULTI PURPOSE FIELD – N.I.C.
15. ~~INSTALL~~ IRRIGATION SYSTEM. SEE LANDSCAPE DRAWINGS, SHEETS L-101 THROUGH L-103
16. ~~STRIPE~~ PARKING LOT WITH 4" WHITE TRAFFIC PAINT MIN. 2 COATS (27 SPACES @ 9.5' = 256.5')
17. ~~STRIPE~~ PARKING LOT WITH 4" WHITE TRAFFIC PAINT MIN. 2 COATS (36 SPACES @ 9.5' = 342')
18. ~~STRIPE~~ PARKING LOT WITH 4" WHITE TRAFFIC PAINT MIN. 2 COATS (4 SPACES @ 9' = 36')
19. (7) ~~PAINT~~ 24" STOP BAR AND "STOP" STENCIL~~ING~~ED WITH WHITE TRAFFIC PAINT MIN. 2 COATS, PER THE M.U.T.C.D. ~~INSTALL~~ 24"X24" R1-1 STOP SIGN ON A POST AT BACK OF CURB PER M.U.T.C.D. LATEST EDITION ~~(STOP SIGN IN PROGRESS)~~
20. ~~STRIPE~~ 5' LONG DIRECTIONAL ARROW WITH WHITE TRAFFIC PAINT, MIN. 2 COATS. PER M.U.T.C.D., LATEST EDITION
21. (7) ~~CONSTRUCT~~ CRUSHER FINES BLEACHER PAD AREA PER SECTION A5, SHEET C-312 ~~(IN PROGRESS)~~
22. ~~INSTALL~~ 12" WIDE FIELD CURB SECTION D4, SHEET C-312 WITH 4' GREEN VINYL COATED CLOSED LOOP CHAINLINK FENCE PER
23. ~~INSTALL~~ 12" WIDE FIELD CURB SECTION D4, SHEET C-312 WITH 8' GREEN VINYL COATED CLOSED LOOP CHAINLINK FENCE
24. ~~CONSTRUCT~~ 2' CURB OPENINGS @ 54' O.C. TYPICAL. *(WITH CONCRETE RUN DOWNS)*
25. ~~CONSTRUCT~~ 210' BY 350' SYNTHETIC TURF SOCCER FIELD, SHEET C-323
26. RIP-RAP AND NATIVE GRASS LANDSCAPE AREA, SEE LANDSCAPE DRAWINGS, SHEETS L-104 THROUGH L-106
27. ~~INSTALL~~ 12' DOUBLE LEAF GREEN VINYL COATED DOUBLE SWING GATE. EACH GATE SHALL HAVE ONE 8' LEAF AND 4' LEAF, FOR A TOTAL OF 12'
28. ~~CONSTRUCT~~ 16 EACH 5' X 5' CONCRETE TREE WELLS @ 21' O.C. PER LANDSCAPE DRAWINGS
29. ~~CONSTRUCT~~ 8 EACH 8' X 10' CONCRETE BLOCK TREE WELLS PER THE LANDSCAPE DRAWINGS
30. 10' X 80' LANDSCAPE PLANTER AREA PER THE LANDSCAPE DRAWINGS
31. ~~CONSTRUCT~~ 3 EACH 8' X 8' CONCRETE LANDSCAPE WELLS PER THE LANDSCAPE DRAWINGS
32. (7) ~~CONSTRUCT~~ 6" COLORED CONCRETE: COLOR: DAVIS COLOR "SUNSET ROSE", ACCESS RAMP PER SECTION A3, SHEET C-312 ~~(IN PROGRESS)~~
33. ~~CONSTRUCT~~ CMU RETAINING WALL PER SHEET C-321
34. ~~CONSTRUCT~~ REINFORCED CONCRETE RETAINING WALL PER SHEET C-322
35. (7) CONCRETE STAIRS PER THE LANDSCAPE DRAWINGS ~~(IN PROGRESS)~~
36. SHADE STRUCTURE, SEE ARCHITECTURAL DRAWINGS
37. CONCESSION STAND / RESTROOMS BUILDING, SEE ARCHITECTURAL DRAWINGS
38. STORAGE BUILDING, SEE ARCHITECTURAL DRAWINGS
39. TICKET BOOTH / ENTRY STRUCTURE, SEE ARCHITECTURAL DRAWINGS
40. (7) ~~INSTALL~~ EXPANSION JOINT WITH PREFORMED FILLER STRIP. REMOVE STRIP AND INSTALL POLYURETHANE EXTERIOR GRADE CAULK ~~(IN PROGRESS)~~
41. (7) ~~STRIPE~~ FOUR HANDICAP PARKING SPACES AND TWO ACCESS AISLES AT 9.5' (6 SPACES @ 9.5' = 57'). CROSS HATCH AISLES AND INSTALL ADA APPROVED UNIVERSAL SYMBOL AS SHOWN. STRIPING AND MARKINGS SHALL BE APPLIED WITH WHITE TRAFFIC PAINT, MIN. 2 COATS. ~~INSTALL~~ ONE SIGN PER PARKING SPACE, PER DETAIL D1, SHEET C-312 AT BACK OF SIDEWALK. ~~(SIGNS IN PROGRESS)~~
42. ~~STRIPE~~ PARKING LOT WITH 4" WHITE TRAFFIC PAINT MIN. 2 COATS (23 SPACES @ 9.5' = 218.5')
43. ~~STRIPE~~ PARKING LOT WITH 4" WHITE TRAFFIC PAINT MIN. 2 COATS (21 SPACES @ 9.5' = 199.5')
44. (7) ~~CONSTRUCT~~ REFUSE PAD AND ENCLOSURE PER DETAIL C-5, SHEET C-313 ~~(PAD IN PROGRESS)~~
45. (7) ~~CONSTRUCT~~ 6" PORTLAND CEMENT CONCRETE APRON, PER DETAIL C5, SHEET C-313 ~~(IN PROGRESS)~~
46. ~~APPLY~~ TWO COATS OF WHITE TRAFFIC PAINTED CROSSWALK PER DETAIL A1, SHEET C-312
47. ~~INSTALL~~ 8' DOUBLE SWING GATE. *-INSTALLED BY SEPARATE CONTRACT*
48. ~~INSTALL~~ 12" WIDE FIELD CURB PER SECTION D4, SHEET C-312 WITH 132 LF 12' GREEN VINYL COATED CLOSED LOOP CHAINLINK FENCE
49. PIPE SAFETY RAIL (TYPICAL OF 3) LANDSCAPE DRAWINGS. PER DETAIL C1, SHEET L-308
50. ~~NEW~~ LIGHT POST TYPICAL, SHEET E-100
51. ~~INSTALL~~ 6"X6" CONCRETE EDGE CURB PER SECTION B1, SHEET C-312
52. ~~CONSTRUCT~~ ~~3'~~ 2.5' WIDE DRAINAGE RUNDOWN, SHEET C-320
53. (7) BIKE RACK AREA. TYPICAL, SHEET L-311 ~~(IN PROGRESS)~~
54. (7) ~~INSTALL~~ FLAG POLE. TYPICAL ONE OF THREE, PER DETAIL B2, SHEETS L-308 AND L-310 ~~(IN PROGRESS)~~
55. ~~NEW~~ 70 FOOT FIELD LIGHTING POLE, SEE SHEET E-100
56. ~~NEW~~ PARKING LOT LIGHTING POLE AND WHEELSTOP FIXTURE, SEE SHEET E-100
57. (7) ~~INSTALL~~ PRECAST CONCRETE WHEELSTOP. TYPICAL, PER SECTION B4, SHEET C-312 ~~(IN PROGRESS)~~
58. ~~INSTALL~~ 24" SIDEWALK CULVERT PER DETAIL A5, SHEET C-319
59. (7) NEW TRASH RECEPTACLE PER LANDSCAPE DRAWINGS ~~(IN PROGRESS)~~
60. ~~STRIPE~~ SIX MOTORCYCLE PARKING SPACES (2 SPACES @ 4.75' = 9.5' AND 4 SPACES @ 4.5' = 18.00' TOTAL = 27.5')
61. (7) ~~CONSTRUCT~~ HEADER CURB, PER SECTION C3, SHEET C-313 ~~(IN PROGRESS)~~
62. (7) ~~STRIPE~~ FIVE HANDICAP PARKING SPACES AND TWO ACCESS AISLES AT 9.5' (7 SPACES @ 9.5' = 66.5') CROSS HATCH AISLES AND INSTALL ADA APPROVED UNIVERSAL SYMBOL AS SHOWN STRIPING AND MARKINGS SHALL BE APPLIED WITH WHITE TRAFFIC MARKING PAINT, MIN. 2 COATS. ~~INSTALL~~ ONE SIGN PER PARKING SPACE. PER DETAIL D1, SEE SHEET C-312 AT BACK OF SIDEWALK ~~(SIGNS IN PROGRESS)~~
63. (7) ~~STRIPE~~ TWO HANDICAP PARKING SPACES AND TWO ACCESS AISLES AT 9' (4 SPACES @ 9' = 36') CROSS HATCH AISLES AND INSTALL ADA APPROVED UNIVERSAL SYMBOL AS SHOWN STRIPING AND MARKINGS SHALL BE APPLIED WITH WHITE TRAFFIC MARKING PAINT, MIN. 2 COATS. ~~INSTALL~~ ONE SIGN PER PARKING SPACE. PER DETAIL D1, SHEET C-312 AT BACK OF SIDEWALK ~~(SIGNS IN PROGRESS)~~
64. (7) ~~STRIPE~~ FIVE HANDICAP PARKING SPACES AND THREE ACCESS AISLES AT 9.5' (8 SPACES @ 9.5' = 76') CROSS HATCH AISLES AND INSTALL ADA APPROVED UNIVERSAL SYMBOL AS SHOWN STRIPING AND MARKINGS SHALL BE APPLIED WITH WHITE TRAFFIC MARKING PAINT, MIN. 2 COATS. ~~INSTALL~~ ONE SIGN PER PARKING SPACE. PER DETAIL D1, SHEET C-312 AT BACK OF SIDEWALK ~~(SIGNS IN PROGRESS)~~
65. ~~STRIPE~~ PARKING LOT WITH 4" WHITE TRAFFIC PAINT MIN. 2 COATS (13 SPACES @ 9.5' = 123.5')
66. ~~STRIPE~~ PARKING LOT WITH 4" WHITE TRAFFIC PAINT MIN. 2 COATS (2 SPACES @ 9' = 18')
67. ~~CONSTRUCT~~ MOUNTABLE ROLL DEPRESSED TYPE CURB, PER SECTION A1, SHEET C-313
68. TRANSITION FROM MOUNTABLE ROLL TYPE CURB TO 6" STANDARD CURB AND GUTTER
69. ~~CONSTRUCT~~ GUTTER AT CURB ACCESS RAMP AT HANDICAP PARKING SPACES PER SECTION B3, SHEET C-312
70. ~~INSTALL~~ 4' SINGLE GREEN VINYL COATED SINGLE SWING GATE
71. ~~CONSTRUCT~~ 4" CONCRETE PAVEMENT PER SECTION D2, SHEET C-313
72. ~~CONSTRUCT~~ 6" CONCRETE PAVEMENT PER SECTION D2, SHEET C-312
73. ~~CONSTRUCT~~ DEPRESSED 6" CURB AND GUTTER PER SECTION A3, SHEET C-313
74. ~~CONSTRUCT~~ CURB TRANSITION PER DETAIL D5, SHEET C-314
75. ~~CONSTRUCT~~ ISLAND PER DETAIL A5, SHEET C-314
76. ~~CONSTRUCT~~ ISLAND PER DETAIL B5, SHEET C-314
77. (7) ~~PURCHASE AND INSTALL~~ TWO 3 ROW X 27' LONG BLEACHERS PER SPECIFICATION SECTION 129300 ~~(IN PROGRESS)~~
78. ~~INSTALL~~ SAFE DISPERSAL AREA DIRECTIONAL SIGN PER DETAIL D1, SHEET C-312
79. ~~INSTALL~~ SAFE DISPERSAL AREA SIGN PER DETAIL D1, SHEET C-312
80. ~~CONNECT~~ NEW CHAINLINK FENCE TO EXISTING CHAINLINK FENCE
81. ~~INSTALL~~ 4" PVC CLASS 200 IRRIGATION SLEEVE, SEE LANDSCAPE DRAWINGS, SHEETS L-101 THROUGH L-103
82. ~~INSTALL~~ 6" PVC CLASS 200 IRRIGATION SLEEVE, SEE LANDSCAPE DRAWINGS, SHEETS L-101 THROUGH L-103
83. TOP OF HEADER CURB ELEVATION IS EQUAL TO TOP OF FIELD CURB

(2)
84. ~~APPLY~~ TWO COATS OF RED TRAFFIC PAINT TO CURB WITH WHITE TRAFFIC PAINTED STENCILING "FIRE LANE – NO PARKING" AT 30' INTERVALS



FOR CONTINUATION, MATCH LINE – SEE SHEET C-110

RECORD DRAWING
FOR CERTIFICATION, SEE SHEET 1

(A1) SITE PLAN – NORTH
SCALE: 1" = 30'

30 15 0 30 60

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02-26-2009
08-19-2009
11-10-2009
11-25-2008

ALBUQUERQUE PUBLIC SCHOOLS
NORTHWEST EDUCATION CORRIDOR
NEW SOCCER FIELD COMPLEX

APS

NO.	DATE	BY	REVISIONS
2	02/09	G.R.B.	CORRECT DIMENSIONS
			ADD KEYED NOTE (84)
6	08/09	G.R.B.	TCL CERT. FOR TEMP. C.O.
7	11/09	J.G.M.	TCL CERT. FOR PERM. C.O.

PROJECT No.	2007.180.3
DESIGNED BY	G.R.B.
DRAWN BY	J.Y.R. /BLE
APPROVED BY	J.G.M.
SHEET TITLE	

SITE PLAN - NORTH

C-111
SHEET 11 OF 90

File Path: [illegible] | Plot Date: 11-09-2009
File Name: 71803_SPN-R7.DWG | Plot Time: 4:07 pm

⑥

ENGINEER'S TCL CERTIFICATION FOR TEMPORARY CERTIFICATE OF OCCUPANCY

I, JEFFREY G. MORTENSEN, NMPE 8547, OF THE FIRM HIGH MESA CONSULTING GROUP, HEREBY CERTIFY THAT THE PARKING LOT LAYOUT AND TRAFFIC CIRCULATION OF THIS PROJECT HAS BEEN ACCOMPLISHED IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 02/06/2009. THE RECORD SURVEY INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT IS FROM VERIFICATION SURVEYS CONDUCTED ON 08/04/09, 08/05/09 AND 08/14/09 UNDER THE DIRECT SUPERVISION OF CHARLES G. CALA, JR., NMPS 11184, OF THE FIRM HIGH MESA CONSULTING GROUP, AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. ADDITIONAL RECORD INFORMATION COLLECTED 08/13/2009 AND EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ME OR UNDER MY DIRECT SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR TEMPORARY CERTIFICATE OF OCCUPANCY FOR THE NEW SOCCER COMPLEX AT THE APS NORTHWEST EDUCATION CORRIDOR.

THE FOLLOWING ITEMS REQUIRE COMPLETION AND CERTIFICATION FOR PERMANENT CERTIFICATE OF OCCUPANCY:

1. COMPLETE THE CONSTRUCTION OF CONCRETE FLATWORK (SIDEWALKS, HEADER CURBS, STAIRS, ETC.) OUTSIDE OF THE PARKING LOT CURB
2. COMPLETE CONSTRUCTION OF LANDSCAPE WELLS
3. COMPLETE CONSTRUCTION OF REFUSE PAD AND ENCLOSURE
4. COMPLETE CONSTRUCTION OF APPROXIMATELY 50 LF OF CURB AND GUTTER AND SIDEWALK AT THE NORTHWEST CORNER OF THE SOUTH PARKING LOT (BEING USED FOR CONSTRUCTION ACCESS)
5. COMPLETE CONSTRUCTION OF APPROXIMATELY 20 LF OF CURB AND GUTTER AND SIDEWALK AT THE SOUTHEAST CORNER OF THE SOUTH PARKING LOT (BEING USED FOR CONSTRUCTION ACCESS)
6. COMPLETE STRIPING OF FIVE (5) PARKING SPACES AT THE NORTHWEST CORNER OF THE SOUTH PARKING LOT
7. INSTALL ACCESSIBLE PARKING SIGNS AND CONCRETE WHEEL STOPS
8. CONSTRUCT BIKE PARKING AREAS
9. COMPLETE CONSTRUCTION OF SPECTATOR AREAS AND INSTALL BLEACHERS

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE PARKING LOT LAYOUT AND TRAFFIC CIRCULATION ASPECTS OF THIS PROJECT. THIS CERTIFICATION DOES NOT ADDRESS A.D.A. COMPLIANCE. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

JEFFREY G. MORTENSEN, NMPE 8547

10-19-2009

DATE

JEFFREY G. MORTENSEN NEW MEXICO 8547 REGISTERED PROFESSIONAL ENGINEER

⚠

ENGINEER'S TCL CERTIFICATION FOR PERMANENT C.O.

I, JEFFREY G. MORTENSEN, NMPE 8547, OF THE FIRM HIGH MESA CONSULTING GROUP, HEREBY CERTIFY THAT THE PARKING LOT LAYOUT AND TRAFFIC CIRCULATION IMPROVEMENTS CONSTRUCTED AS PART OF THIS PROJECT HAVE BEEN ACCOMPLISHED IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 02-06-2008 INCLUDING CORRECTIONS SPECIFIED BY THE ENGINEER'S TCL CERTIFICATION FOR TEMPORARY C.O. DATED 08-19-2009 TOGETHER WITH THE ADDITION OF PERMANENT TEAM AND OFFICIALS BOXES AT ALL FOUR FIELDS. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ME OR UNDER MY DIRECT SUPERVISION AS SUPPLEMENTAL SITE DATA COMBINED WITH RECORD INFORMATION OBTAINED FROM THE VERIFICATION SURVEYS CONDUCTED 08/04/2009, 08-05-2009 AND 08/14/2009, AND CONCLUDED ON 09-04-2009 AND 09-08-2009 UNDER THE DIRECT SUPERVISION OF CHARLES G. CALA, JR., NMPS 11184, OF THE FIRM HIGH MESA CONSULTING GROUP, AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR **PERMANENT CERTIFICATE OF OCCUPANCY.**

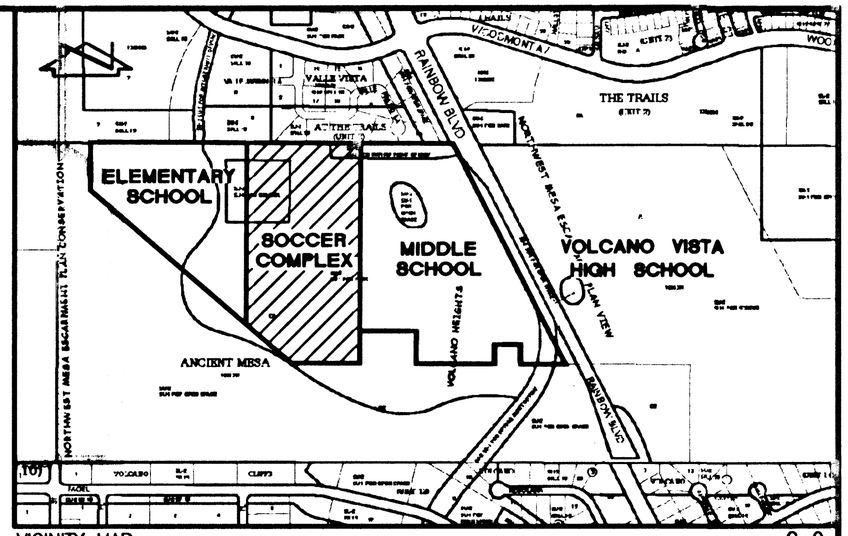
THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE PARKING LOT LAYOUT AND TRAFFIC CIRCULATION ASPECTS OF THIS PROJECT. THIS CERTIFICATION DOES NOT ADDRESS ADA COMPLIANCE WHICH IS BEYOND THE SCOPE OF A TCL CERTIFICATION. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

JEFFREY G. MORTENSEN, NMPE 8547

11-10-2009

DATE

JEFFREY G. MORTENSEN NEW MEXICO 8547 REGISTERED PROFESSIONAL ENGINEER



VICINITY MAP C-9
SCALE: 1" = 750'

LEGAL DESCRIPTION

A PORTION OF TRACT C-1, ANCIENT MESA

PROJECT BENCHMARK

A BRASS CAP LOCATED NEAR THE NORTHEAST CORNER OF TRACT B, ANCIENT MESA APPROXIMATELY 65 FEET EAST OF THE NORTHEAST CORNER OF THE 4' WIRE FENCE AND STAMPED: T11N TA S16 S15
R2E
NMPM
ELEVATION = 5414.95 FEET (NGVD 1929)

T.B.M. #1

A #5 REBAR W/CAP STAMPED "JMA CONTROL NMPS 11184".
ELEVATION = 5443.20 FEET (NGVD 1929)

T.B.M. #2

A USGLO BRASS CAP STAMPED "TA/CC/S17/S16/T11N/R2E 1911".
ELEVATION = 5486.32 FEET (NGVD 1929)

INDEX OF DRAWINGS

⑥ ⚠ **RECORD DRAWING**

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6010-B MIDWAY PARK BLVD. NE • ALBUQUERQUE, NEW MEXICO 87109
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ENGINEER'S TCL CERTIFICATION
NEW SOCCER COMPLEX
APS NORTHWEST EDUCATION CORRIDOR

DESIGNED BY G.R.B.
DRAWN BY B.L.E./J.Y.R.
APPROVED BY J.G.M.

NO.	DATE	BY	REVISIONS
⑥	08/09	G.R.B.	ENGINEERS TCL CERTIFICATION FOR TEMP. C.O.
⚠	11/09	J.G.M.	TCL CERTIFICATION FOR PERMANENT C.O.

JOB NO. 2007.180.3
DATE 08-2009
SHEET 1 OF 1

File Path: E:\MA\2007\180.3\07-TCL | Plot Date: 11-09-2009
File Name: 7180.3TCV-R7.DWG | Plot Time: 4:05 pm

DRAINAGE PLAN:

I. EXECUTIVE SUMMARY AND INTRODUCTION

THE PROPOSED NEW SOCCER COMPLEX AT THE APS NORTHWEST EDUCATION CORRIDOR SITE IS LOCATED IN A RAPIDLY DEVELOPING AREA OF ALBUQUERQUE'S NORTHWEST MESA. THE SITE LIES WITHIN THE BOCA NEGRA WATERSHED SOUTH OF THE ALAMEDA GRANT. THE SOCCER COMPLEX SITE IS APPROXIMATELY 21.0 ACRES WITHIN THE 63.3 ACRES OF THE EDUCATION CORRIDOR, SEPARATING THE ELEMENTARY AND MIDDLE SCHOOLS CURRENTLY UNDER CONSTRUCTION. THIS SITE IS GOVERNED BY A PREVIOUSLY APPROVED MASTER DRAINAGE PLAN PREPARED BY THIS OFFICE. THE DEVELOPED STORM RUNOFF WILL BE COLLECTED AND CONTAINED IN TEMPORARY RETENTION PONDS UNTIL THE BOCA NEGRA DAM IS CONSTRUCTED DOWNSTREAM WITHIN THE BOCA NEGRA ARROYO BY AMAFCA. THE RETENTION PONDS WILL ULTIMATELY BE CONVERTED TO DETENTION PONDS AND RUNOFF WILL CONTINUE TO DISCHARGE IN DISSIPATED SHEET FLOW ONTO THE PROPOSED TRACT ADJACENT TO THE SOUTH AND INTO THE BOCA NEGRA ARROYO VIA ENERGY DISSIPATION BASINS AND PRIVATE DRAINAGE EASEMENTS.

THE PURPOSE OF THIS SUBMITTAL IS TO OBTAIN BUILDING PERMIT APPROVAL FOR THE CONSTRUCTION OF THE NEW SOCCER COMPLEX.

THIS REPORT ADDRESSES A PORTION OF TRACT C-1, ANCIENT MESA.

II. PROJECT DESCRIPTION

AS SHOWN BY VICINITY MAP C-9, THE SITE IS LOCATED ON ALBUQUERQUE'S NORTHWEST MESA ALONG THE WEST ROW OF RAINBOW BOULEVARD NW, SOUTH OF WOODMONT AVENUE NW. THE SOCCER COMPLEX SITE IS CENTRALLY LOCATED WITHIN TRACT C-1, ANCIENT MESA, SEPARATING THE ELEMENTARY AND MIDDLE SCHOOLS CURRENTLY UNDER CONSTRUCTION AT THE WEST AND EAST SIDES OF TRACT C-1, RESPECTFULLY. THE TRAILS SUBDIVISION CURRENTLY UNDER DEVELOPMENT BY LONGFORD HOMES IS ADJACENT TO THE NORTH BOUNDARY OF THE PROPERTY. THIS DEVELOPMENT IS REQUIRED TO CONVEY DEVELOPED RUNOFF TO A PUBLIC STORM DRAIN IN UNIVERSE BOULEVARD NW TO BE CONSTRUCTED. THE PROPERTY ABUTTING THE SOUTH BOUNDARY IS UNDEVELOPED AND PLATTED AS TRACT C-2, ANCIENT MESA, AND IS OWNED BY THE STATE OF NEW MEXICO LAND OFFICE. THE SITE IS ZONED RO-20 AND THE PROPOSED USES ARE PERMISSIBLE. AS SHOWN BY PANEL 111 OF 825 OF THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAPS, BERNALILLO COUNTY, NEW MEXICO, AND INCORPORATED AREAS, DATED NOVEMBER 19, 2003, THIS PROPERTY DOES NOT LIE WITHIN A DESIGNATED FLOOD HAZARD ZONE.

III. BACKGROUND DOCUMENTS

THE FOLLOWING IS A LIST OF DOCUMENTS RELATED TO THE SITE AND SURROUNDING AREA. THIS LIST MAY NOT BE ALL INCLUSIVE, HOWEVER, REPRESENTS A SUMMARY OF RELEVANT PLANS AND DOCUMENTS WHICH ARE KNOWN TO THE ENGINEER AT THE TIME OF PLAN PREPARATION.

A. THE PREVIOUSLY APPROVED MASTER DRAINAGE PLAN FOR TRACTS C-1 AND C-2, ANCIENT MESA PREPARED BY HIGH MESA CONSULTING GROUP (HMCG) DATED AUGUST 18, 2007, WITH REVISION DATED OCTOBER 11, 2007. THE MASTER DRAINAGE PLAN SUPPORTED THE PLATTING ACTION FOR TRACTS C-1 AND C-2, ANCIENT MESA, THE ROUGH GRADING OF TRACT C-1 IN PREPARATION FOR THE DEVELOPMENT OF THE SITE, AND ESTABLISHES THE CRITERIA FOR DEVELOPMENT OF THE PROPERTY WHICH ALLOWS DEVELOPED RUNOFF TO BE COLLECTED AND FREELY DISCHARGED BY SHEET FLOW TO THE BOCA NEGRA ARROYO THROUGH PRIVATE DRAINAGE EASEMENTS ON TRACT C-2, ANCIENT MESA.
B. THE PREVIOUSLY APPROVED MASS GRADING PLAN FOR TRACTS C-1 AND C-2, ANCIENT MESA DATED OCTOBER 18, 2007. THE MASS GRADING PLAN ESTABLISHED THE GRADING FOR THE SOCCER FIELD AND ELEMENTARY SCHOOL SITES IN PREPARATION FOR DEVELOPMENT.
C. THE PREVIOUSLY APPROVED ROUGH GRADING PLAN FOR THE NEW NORTHWEST MIDDLE SCHOOL PREPARED BY THIS OFFICE DATED MARCH 1, 2008. THIS PLAN ESTABLISHED THE ROUGH GRADING FOR THE MIDDLE SCHOOL PRIOR TO ISSUANCE OF THE BUILDING PERMIT.
D. THE PREVIOUSLY APPROVED GRADING AND DRAINAGE PLAN FOR THE NEW NORTHWEST MIDDLE SCHOOL PREPARED BY THIS OFFICE DATED MAY 21, 2008. THE GRADING AND DRAINAGE PLAN SUPPORTED THE BUILDING PERMIT FOR THE SCHOOL AND INTEGRATES THE DRAINAGE CONCEPTS FOR TRACT C-1 AS IDENTIFIED IN THE APPROVED MASTER DRAINAGE PLAN.
E. THE GRADING AND DRAINAGE PLAN FOR THE PROTOTYPE ELEMENTARY SCHOOL SITE ONE PREPARED BY BOHANNAN-HUSTON, INC. DATED OCTOBER 19, 2007, SUPPORTING THE BUILDING PERMIT FOR THE ELEMENTARY SCHOOL, TEMPORARILY PONDING THE DEVELOPED RUNOFF FOR THE SCHOOL AND INTEGRATING THE DRAINAGE CONCEPTS IDENTIFIED IN THE MASTER DRAINAGE PLAN.
F. AMENDMENT TO THE TRAILS SUBDIVISION MASTER DRAINAGE STUDY PREPARED FOR LONGFORD HOMES BY WILSON & COMPANY, INC., DATED JULY 29, 2004. THE ORIGINAL PLAN FOR THE TRAILS WAS PREPARED BY BOHANNON-HUSTON, INC. (BHI). THE AMENDMENT BY WILSON & COMPANY REVISED THE DRAINAGE CONCEPT FOR THE TRAILS TO ONE WHEREBY STORM WATER WOULD BE DETAINED IN PONDS DISCHARGING TO THE PROPOSED UNIVERSE STORM DRAIN.
G. VOLCANO HEIGHTS SECTOR DEVELOPMENT PLAN (VHSDP) AND ORDINANCE PASSED AND ADOPTED BY THE CITY OF ALBUQUERQUE CITY COUNCIL ON SEPTEMBER 6, 2006 AND APPROVED OCTOBER 2, 2006. THE VHSDP IDENTIFIES DRAINAGE MANAGEMENT CRITERIA FOR PRESERVING THE NATURAL CHARACTER AND FUNCTION OF THE BOCA NEGRA ARROYO

THE PROPOSED DRAINAGE CONCEPT OF MITIGATING STORM RUNOFF VIA STILLING BASINS AND DEVELOPING SHEET FLOW AS DESCRIBED HEREIN IS IN ACCORDANCE WITH THE POLICIES AND REQUIREMENTS OF THE ABOVE LISTED DOCUMENTS.

IV. EXISTING CONDITIONS

TRACTS C-1, ANCIENT MESA IS UNDER DEVELOPMENT. AN ELEMENTARY SCHOOL IS BEING BUILT TO THE WEST OF THE PROPOSED SOCCER FIELD COMPLEX, AND A MIDDLE SCHOOL IS BEING CONSTRUCTED TO THE EAST OF THE SITE. THE SUBJECT SITE IS BEING GRADED AS PART OF THE MASS GRADING AND THE INFRASTRUCTURE DEVELOPMENT TO SERVE THE THREE USES. THE EXISTING SITE RUNOFF DRAINS TO THE EAST WHERE IT IS ACCEPTED BY THE MIDDLE SCHOOL UNDER CONSTRUCTION AND PASSES TO THE TEMPORARY RETENTION POND AT THE SOUTHEAST CORNER OF THE MIDDLE SCHOOL SITE. THE PROPERTY IS BOUNDED BY THE TRAILS SUBDIVISION ON THE NORTH, WHICH IS CURRENTLY UNDER DEVELOPMENT. DEVELOPED FLOWS FROM THE TRAILS WILL DRAIN TO AN INTERNAL DETENTION POND AND STORM DRAIN SYSTEM AND WILL NOT CONTRIBUTE OFFSITE FLOWS TO THE SITE. THE NEW PROTOTYPE ELEMENTARY SCHOOL SITE NO.1 (A.K.A. TIERRA ANTIGUA ELEMENTARY SCHOOL) BOUNDS THE SOCCER FIELD COMPLEX TO THE WEST. THE ELEMENTARY SCHOOL DOES NOT CONTRIBUTE RUNOFF AS THE RUNOFF IS DIRECTED TO TWO TEMPORARY RETENTION PONDS AT THE SCHOOL SITE. THE SOUTHERN BOUNDARY ABUTS TRACT C-2, ANCIENT MESA, WHICH ARE UNDEVELOPED LANDS OF THE STATE OF NEW MEXICO LAND OFFICE, IS TOPOGRAPHICALLY LOWER AND IS INCAPABLE OF GENERATING OFFSITE FLOWS. IMMEDIATELY ADJACENT TO THE SOCCER FIELD SITE TRACT C-2 CONTAINS A PRIVATE DRAINAGE EASEMENT TO ACCEPT AND CONVEY RUNOFF FROM TRACT C-1 TO THE BOCA NEGRA ARROYO. THE MIDDLE SCHOOL SITE, CURRENTLY UNDER CONSTRUCTION, LIES TO THE EAST.

THE SCHOOLS AND SOCCER FIELD COMPLEX ARE REQUIRED TO TEMPORARILY RETAIN ALL RUNOFF UNTIL AMAFCA CONSTRUCTS THE BOCA NEGRA DAM DOWNSTREAM OF THE SITE, WITHIN THE BOCA NEGRA ARROYO.

V. DEVELOPED CONDITIONS

THIS PORTION OF TRACT C-1, ANCIENT MESA IS BEING DEVELOPED BY APS FOR A SOCCER FIELD COMPLEX AS PART OF THE NORTHWEST EDUCATION CORRIDOR. DEVELOPED FLOWS FROM THIS SITE DIVIDED INTO TWO BASINS.

THE WESTERLY HALF OF THE SITE WILL DRAIN TO A PRIVATE STORM DRAIN SYSTEM CONVEYING RUNOFF TO A TEMPORARY RETENTION POND AT SOUTHERN PORTION OF THE SITE. ULTIMATELY THIS RETENTION POND WILL BE CONVERTED INTO A DETENTION POND WHERE RUNOFF WILL DRAIN TO A PREVIOUSLY CONSTRUCTED ENERGY DISSIPATION BASIN CONVERTING THE CONCENTRATED DRAINAGE INTO NON-EROSIVE SHEET DRAINAGE TO THE PRIVATE DRAINAGE EASEMENT ON TRACT C-2, ULTIMATELY DRAINING TO THE BOCA NEGRA ARROYO. THIS DRAINAGE IS CONSISTENT WITH THE VOLCANO HEIGHTS SECTOR DEVELOPMENT PLAN AND THE PREVIOUSLY APPROVED MASTER DRAINAGE PLAN.

RUNOFF GENERATED BY THE EASTERLY HALF OF THE SITE WILL BE COLLECTED BY A PRIVATE STORM DRAIN SYSTEM AND CONVEYED TO THE PRIVATE STORM DRAINAGE SYSTEM ON THE MIDDLE SCHOOL SITE. IN THE INTERIM, THE RUNOFF WILL BE CONVEYED TO A TEMPORARY RETENTION POND CONTAINED WITHIN THE PROPOSED TRACK LOCATED AT THE NORTHWEST CORNER OF THE MIDDLE SCHOOL SITE. THE TEMPORARY POND AT THE TRACK WILL BE CONVERTED INTO A SURGE BASIN ONCE THE BOCA NEGRA DAM IS CONSTRUCTED DOWNSTREAM BY AMAFCA. RUNOFF WILL BE CONVEYED THROUGH THE PRIVATE STORM DRAINAGE SYSTEM TO THE SOUTHEAST CORNER OF TRACT C-1, WHERE ANOTHER RIP-RAP LINED ENERGY DISSIPATION (STILLING) BASIN IS LOCATED TO CONVEY RUNOFF THROUGH TRACT C-2 AND ULTIMATELY TO THE BOCA NEGRA ARROYO. BECAUSE THE MIDDLE SCHOOL AND SOCCER FIELD DEVELOPMENT ARE CONTAINED IN A SINGLE TRACT; CROSS-LOT DRAINAGE EASEMENTS ARE NOT REQUIRED BETWEEN THE INDIVIDUAL SITES.

VI. GRADING PLAN

THE GRADING PLAN SHEETS SHOW: 1) EXISTING GRADES INDICATED BY CONTOURS AT 1 FOOT INTERVALS FROM THE MASS GRADING PLAN PREPARED BY THIS OFFICE, 2) BOUNDARY AND EASEMENT DATA FROM THE FILED PLAT OF TRACTS C-1 AND C-2, ANCIENT MESA PREPARED BY THIS OFFICE, 3) THE LIMIT AND CHARACTER OF THE EXSTING IMPROVEMENTS FROM THE PUBLIC AND PRIVATE INFRASTRUCTURE DRAWINGS PREPARED BY THIS OFFICE, AND 4) THE LIMIT AND CHARACTER OF THE PROPOSED IMPROVEMENTS.

VII. CALCULATIONS

THE CALCULATIONS APPEARING HEREON ANALYZE BOTH THE EXISTING AND PROPOSED CONDITIONS FOR THE 100-YEAR, 6-HOUR RAINFALL EVENT. THE PROCEDURE FOR 40-ACRE AND SMALLER BASIN, AS SET FORTH IN THE REVISION OF SECTION 22.2, HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL, VOLUME 2, DESIGN CRITERIA, DATED JANUARY, 1993, HAS BEEN USED TO QUANTIFY THE PEAK RATE OF DISCHARGE AND VOLUME OF RUNOFF GENERATED FOR THE SITE.

VIII. CONCLUSIONS

A. THE PROPOSED SITE IMPROVEMENTS AND DRAINAGE CONCEPT ARE CONSISTENT WITH THE DEVELOPMENT CRITERIA ESTABLISHED BY THE PREVIOUSLY APPROVED MASTER DRAINAGE PLAN FOR TRACT C-1, ANCIENT MESA.
B. THERE ARE NO DPM DESIGN VARIANCES OR DRAINAGE EASEMENTS REQUIRED BY THIS PROJECT.
C. THIS SUBMITTAL SUPPORTS THE BUILDING PERMIT APPLICATION FOR THE CONSTRUCTION OF THE SOCCER FIELD COMPLEX.

File Path: E:\DATA\ACAD14\2007.180.3\REV7\ | Plot Date: 11-10-2009
File Name: 71803_CALC_R7.DWG | Plot Time: 07:60 am

CALCULATIONS:

CALCULATIONS

I. SITE CHARACTERISTICS

1. PRECIPITATION ZONE = 1
2. $P_{6,100} = P_{360} =$ 2.20
3. TOTAL PROJECT AREA (A_T) = 914,995 SF; 21.01 AC
4. EXISTING LAND TREATMENT

A. BASIN B TOTAL = 914,995 SF = 21.01 AC

TREATMENT	AREA (SF/AC)	%
A		
B	914,995 / 21.01	100
C		
D		

5. DEVELOPED LAND TREATMENT

A. BASIN B TOTAL = 914,995 SF = 21.01 AC

TREATMENT	AREA (SF/AC)	%
A		
B	686,246 / 15.75	75
C	109,800 / 2.52	12
D	118,949 / 2.73	13

II. EXISTING CONDITION

A. BASIN B

1. VOLUME

$E_W = (E_AA_A+E_BA_B+E_CA_C+E_DA_D)/A_T$

$E_W =$ ((0.00*0.44) + (21.01*0.67) + (0.00*0.99) + (0.00*1.97))/0.00 = 0.67 IN

$V_{100} = (E_W/12)A_T =$ (0.67/12)0.00 = 1.1728 AC-FT = 51,087 CF

2. PEAK DISCHARGE

$Q_P = Q_{PA}A_A + Q_{PB}A_B + Q_{PC}A_C + Q_{PD}A_D$

$Q_P = Q_{100} =$ ((0.00*1.29) + (21.01*2.03) + (0.00*2.87) + (0.00*4.37)) = 42.6 CFS

III. DEVELOPED CONDITION

A. BASIN B

1. VOLUME

$E_W = (E_AA_A+E_BA_B+E_CA_C+E_DA_D)/A_T$

$E_W =$ ((0.00*0.44) + (15.75*0.67) + (2.52*0.99) + (2.73*1.97))/21.01 = 0.88 IN

$V_{100} = (E_W/12)A_T =$ (0.88/12)21.01 = 1.5358 AC-FT = 66,901 CF

2. PEAK DISCHARGE

$Q_P = Q_{PA}A_A + Q_{PB}A_B + Q_{PC}A_C + Q_{PD}A_D$

$Q_P = Q_{100} =$ ((0.00*1.29) + (15.75*2.03) + (2.52*2.87) + (2.73*4.37)) = 51.1 CFS

IV. COMPARISON 6.1023

A. BASIN B

1. VOLUME

$\Delta^* V_{100} =$ 66901 - 51087 = 15,814 CF (INCREASE)

2. PEAK DISCHARGE

$\Delta^* Q_{100} =$ 51.1 - 42.6 = 8.5 CFS (INCREASE)

⚠6 ENGINEER'S CERTIFICATION FOR TEMPORARY CERTIFICATE OCCUPANCY

DRAINAGE CERTIFICATION FOR TEMPORARY CERTIFICATE OF OCCUPANCY

I, JEFFREY G. MORTENSEN, NMPE 8547, OF THE FIRM HIGH MESA CONSULTING GROUP, HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED AND DRAINED IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 11/25/08. THE RECORD SURVEY INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT IS FROM A VERIFICATION SURVEY CONDUCTED ON 08/04/09 AND 08/05/09 UNDER THE DIRECT SUPERVISION OF CHARLES G. CALA, JR., NMPS 11184, OF THE FIRM HIGH MESA CONSULTING GROUP, AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR TEMPORARY CERTIFICATE OF OCCUPANCY.

THE FOLLOWING ITEMS MUST BE CORRECTED PRIOR TO CERTIFICATION FOR PERMANENT CERTIFICATE OF OCCUPANCY:

1. CONSTRUCT INLET BOTTOM AND INVERT AT THE STORM INLET LOCATED AT THE SOUTHWEST CORNER OF THE NORTHEAST SOCCER FIELD.
2. CONSTRUCT INLET BOTTOM AND INVERT AT THE STORM INLET LOCATED AT THE MIDPOINT ALONG THE WEST SIDE OF THE NORTHEAST SOCCER FIELD.
3. CONSTRUCT AND BACKFILL LANDSCAPE PLANTERS
4. COMPLETE TEMPORARY AND PERMANENT SEEDING WITH STABILIZATION
5. COMPLETE CRUSHER FINE PLACEMENT AT THE SPECTATOR AREAS
6. COMPLETE THE CONCRETE PAVEMENT/SIDEWALK IN THE PEDESTRIAN AREA
7. COMPLETE THE SITE PERIMETER CHAIN LINK FENCE
8. COMPLETE THE FABRICATED STEEL SECURITY GATES AT THE ENTRY GATE AND BUILDINGS
9. CLEAN-UP AND FINE GRADE THE SITE
10. INSTALL SIDEWALK CULVERT PLATES

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THIS CERTIFICATION DOES NOT ADDRESS ADA COMPLIANCE WHICH IS BEYOND THE SCOPE OF GRADING AND DRAINAGE. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

JEFFREY G. MORTENSEN, NMPE 8547

08-19-2009

DATE

JEFFREY G. MORTENSEN / NEW MEXICO / 8547 / REGISTERED PROFESSIONAL ENGINEER

⚠7 ENGINEER'S DRAINAGE CERTIFICATION FOR PERMANENT C.O.

I, JEFFREY G. MORTENSEN, NMPE 8547, OF THE FIRM HIGH MESA CONSULTING GROUP, HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED, DRAINED AND CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 11/25/2008 INCLUDING CORRECTIONS SPECIFIED BY THE ENGINEER'S DRAINAGE CERTIFICATION FOR TEMPORARY C.O. DATED 08-19-2009 TOGETHER WITH THE ADDITION OF PERMANENT TEAM AND OFFICIALS BOXES AT ALL FOUR FIELDS. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ME OR UNDER MY DIRECT SUPERVISION AS SUPPLEMENTAL SITE DATA COMBINED WITH RECORD INFORMATION OBTAINED FROM THE VERIFICATION SURVEYS CONDUCTED 08/04/2009 AND 08/05/2009, AND CONCLUDED ON 09-04-2009 AND 09-08-2009 UNDER THE DIRECT SUPERVISION OF CHARLES G. CALA, JR., NMPS 11184, OF THE FIRM HIGH MESA CONSULTING GROUP, AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR **PERMANENT CERTIFICATE OF OCCUPANCY.**

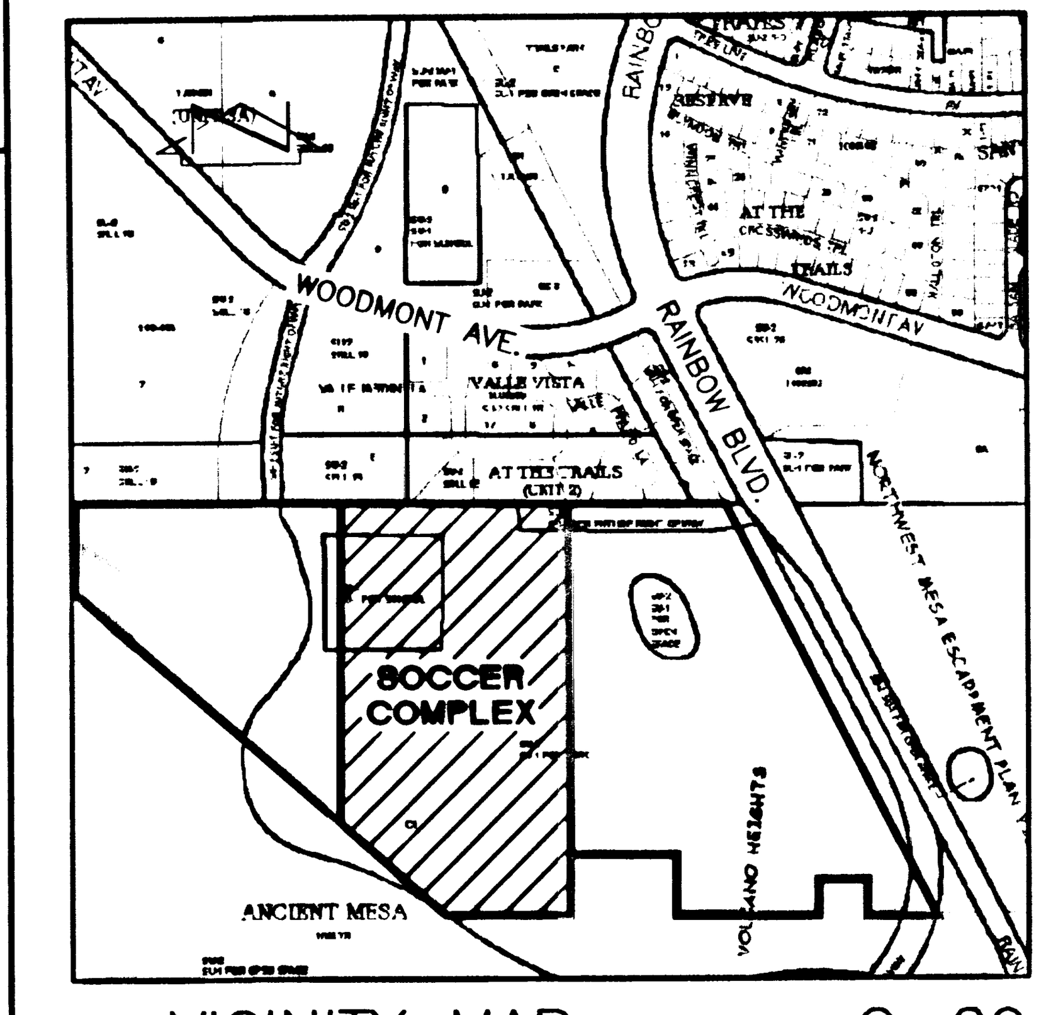
THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THIS CERTIFICATION DOES NOT ADDRESS ADA COMPLIANCE WHICH IS BEYOND THE SCOPE OF GRADING AND DRAINAGE. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

JEFFREY G. MORTENSEN, NMPE 8547

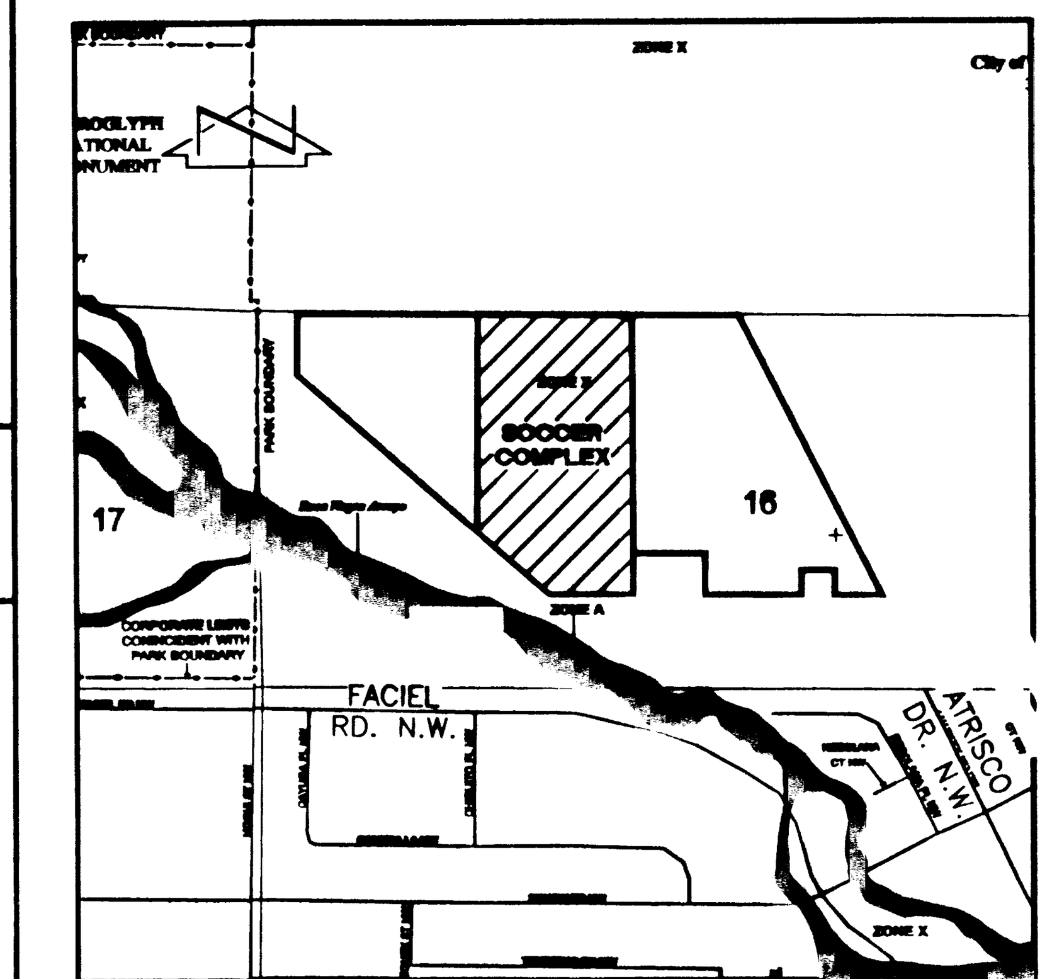
11-10-2009

DATE

JEFFREY G. MORTENSEN / NEW MEXICO / 8547 / REGISTERED PROFESSIONAL ENGINEER



(D5) VICINITY MAP C-09
SCALE: 1" = 750'



(C5) F.I.R.M. PANEL 111 OF 825
SCALE: 1" = 1000'±

LEGAL DESCRIPTION

A PORTION OF TRACT C-1, ANCIENT MESA

STREET ADDRESS

8111 RAINBOW BLVD. N.W. ALBUQUERQUE, N.M.

BENCHMARKS

PROJECT BENCHMARK

A BRASS CAP LOCATED NEAR THE NORTHEAST CORNER OF TRACT B, ANCIENT MESA APPROXIMATELY 65 FEET EAST OF THE NORTHEAST CORNER OF THE 4' WIRE FENCE AND STAMPED: T11N TA S16 S15 R2E NMPM
ELEVATION = 5414.95 FEET (NGVD 1929)

RECEIVED
NOV 10 2009
HYDROLOGY SECTION

T.B.M. #1

A #5 REBAR W/CAP STAMPED "JMA CONTROL NMPS 11184", AS SHOWN ON SHEET 3.
ELEVATION = 5443.20 FEET (NGVD 1929)

T.B.M. #2

A USGLO BRASS CAP STAMPED "TA/CC/S17/S16/T11N/R2E 1911", AS SHOWN ON SHEET 4.
ELEVATION = 5486.32 FEET (NGVD 1929)

⚠6 INDEX OF DRAWINGS ⚠7

SHEET #	DESCRIPTION
15	DRAINAGE PLAN AND CALCULATIONS
16	GRADING PLAN - SOUTH
17	GRADING PLAN - CENTER
18	GRADING PLAN - NORTH
19	STORM DRAIN SECTIONS AND DETAILS
20	STORM DRAIN SECTIONS AND DETAILS
21	RETAINING WALL 'A' PLAN & PROFILE
22	RETAINING WALL 'B' & 'C' PLAN & PROFILE
L-510A	*STORAGE BUILDING DETAIL*
L-510B	*STAIR & SHADE STRUCTURE DETAIL*

⚠7 ⚠6 **RECORD DRAWING**

HIGH MESA Consulting Group
6010-B MIDWAY PARK BLVD. NE
ALBUQUERQUE, NEW MEXICO 87109
PHONE: 505.345.4250 FAX: 505.345.4254
www.highmesacg.com

JEFFREY G. MORTENSEN / NEW MEXICO / 8547 / REGISTERED PROFESSIONAL ENGINEER
11.25.2008

ALBUQUERQUE PUBLIC SCHOOLS
NORTHWEST EDUCATION CORRIDOR
NEW SOCCER FIELD COMPLEX

APS

NO.	DATE	BY	REVISIONS
6	08/09	G.R.B.	ENGINEER CERT. FOR TEMP. C.O.
7	11/09	J.G.M.	ENGR CERT. FOR PERM. C.O.

PROJECT No.	2007.180.3
DESIGNED BY	G.R.B.
DRAWN BY	J.Y.R./B.L.E.
APPROVED BY	J.G.M.
SHEET TITLE	

DRAINAGE PLAN AND CALCULATIONS

C-115

SHEET 15 OF 90

SURVEY NOTE:

THIS IS NOT A BOUNDARY SURVEY. BOUNDARY DATA IS SHOWN FOR ORIENTATION ONLY. BOUNDARY DEPICTED BY THIS PLAN IS BASED UPON BOUNDARY SURVEY PERFORMED BY HIGH MESA CONSULTING GROUP NMPS 11184, DATED JANUARY, 2007. THE TOPOGRAPHIC INFORMATION DEPICTED HEREON IS BASED UPON THE MASS GRADING PLAN FOR TRACT C-1 ANCIENT MESA DATED OCTOBER 12, 2007.

RECORD DRAWING LEGEND

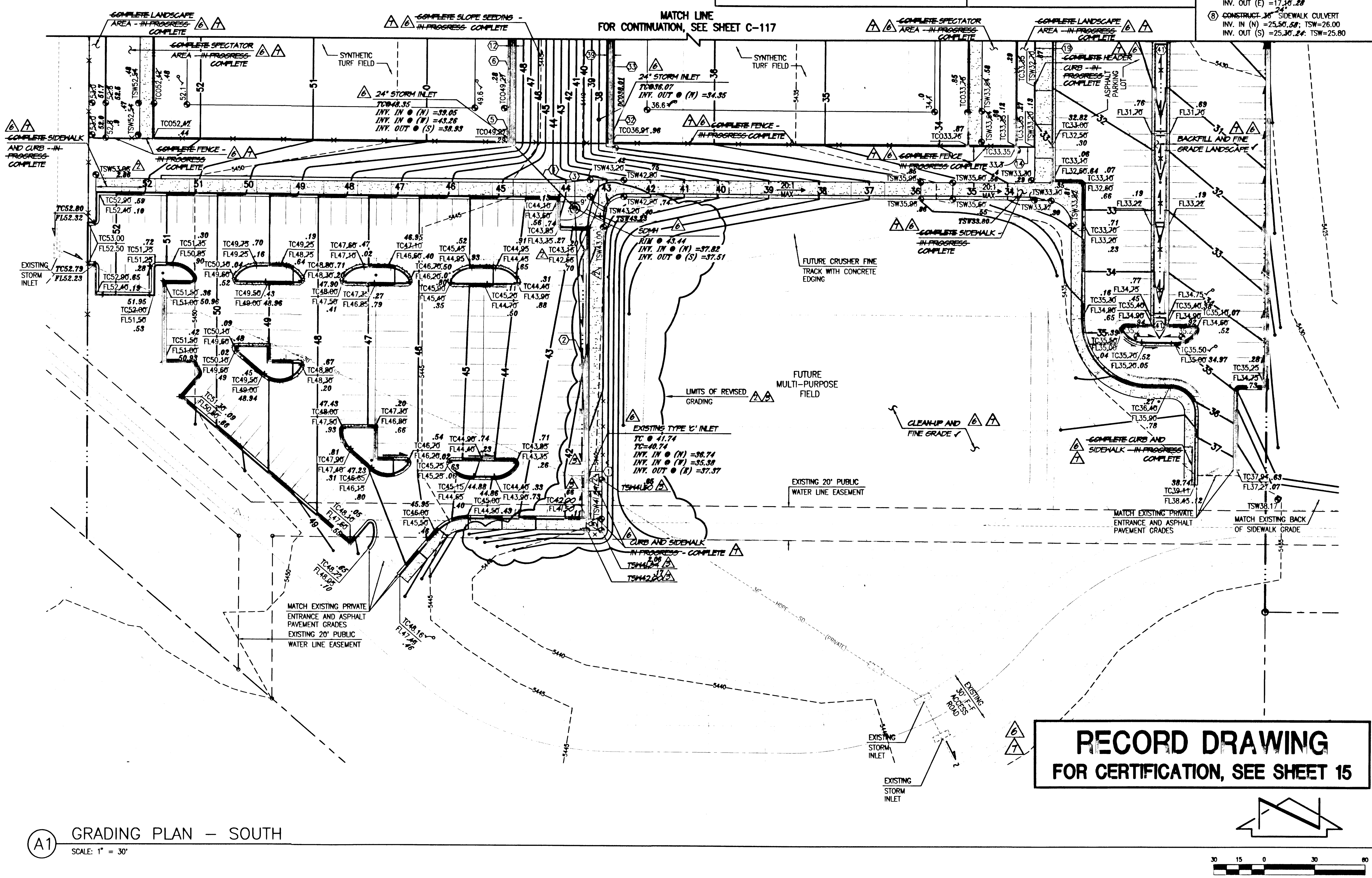
~~CONSTRUCT~~	RECORD INFORMATION (VERIFIED BY ENGINEER)
✓	AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY ENGINEER)
~~36"~~ 42"	RECORD INFORMATION (VERIFIED BY ENGINEER)
+~~25~~.2	RECORD INFORMATION (VERIFIED BY ENGINEER)
● 28.~~95~~.42	RECORD INFORMATION (VERIFIED BY ENGINEER)
✓°	AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY AS-BUILT SURVEY)
~~31~~ 31.8	RECORD INFORMATION FROM AS-BUILT SURVEY
+26.9	RECORD INFORMATION FROM AS-BUILT SURVEY
● 31.~~25~~.22	RECORD INFORMATION FROM AS-BUILT SURVEY

LEGEND

● 52.8	PROPOSED SPOT ELEVATION
—34—	PROPOSED CONTOUR
— —5429— —	EXISTING CONTOUR
←— · · ·	PROPOSED FLOWLINE
←	DRAINAGE FLOW DIRECTION
— — — —	PUBLIC EASEMENT LINE
(stippled box)	PROPOSED CONCRETE
(open box)	PROPOSED ASPHALT PAVING
FL	FLOWLINE
INV	INVERT
TA	TOP OF ASPHALT
TC	TOP OF CURB
TCO	TOP OF CONCRETE
TG	TOP OF GRATE
TSW	TOP OF SIDEWALK
⟨1⟩	KEYED NOTE

KEYED NOTES

1. EXISTING TYPE 'C' INLET TC=41.74 (AS-BUILT) ~~CONSTRUCT~~ NEW 24"✓STORM INLET PENETRATION ~~TC=40.74~~ INV. IN (N) =36.~~55~~.74; INV OUT (E) = 35.37 INV IN (W) = 35.38
2. ~~INSTALL~~ 163.05 LF 24" HDPE STORM DRAIN WITH WATER TIGHT JOINTS ● S=~~0.0100~~ 0.0047
3. ~~CONSTRUCT~~ TYPE 'E' STORM MANHOLE PER DETAILS, SHEET C-320 RIM = 43.~~8~~.44 INV. IN (N) = ~~38.20~~37.82; INV. OUT (S) =~~38.05~~ 37.51
4. ~~INSTALL~~ 55.65 LF 24" HDPE STORM DRAIN WITH WATER TIGHT JOINTS ● S=~~0.0100~~ 0.0200
5. ~~CONSTRUCT~~ 24"✓STORM INLET PER SECTION B5, SHEET C-319 TG=~~48.77~~.35 INV. IN (N) =39.~~10~~.05; INV. OUT (S) =38.~~83~~.93 INV IN (W) = 43.26
6. ~~INSTALL~~ 169 LF 24" HDPE STORM DRAIN WITH WATER TIGHT JOINTS ● S=~~0.0070~~ 0.0065
7. EXISTING INLET BOX. ~~CONSTRUCT~~ DOUBLE TYPE 'C' INLET THROAT AND TOP PER DETAIL C1, SEE SHEET C-319 TC=~~27.10~~ 26.70 ; TG=~~26.345~~ 25.78 INV. IN (S) =20.~~50~~.23; INV. IN (W) =20.~~90~~.34 INV. OUT (E) =17.~~10~~.28
8. ~~CONSTRUCT~~ ~~36"~~ 24" SIDEWALK CULVERT INV. IN (N) =25.~~50~~.58; TSW=26.00 INV. OUT (S) =25.~~30~~.24; TSW=25.80
9. ~~CONNECT~~ 18" HDPE STORM DRAIN TO EXISTING 18" HDPE STORM DRAIN PIPE. ~~INSTALL~~ 30 LF 18" HDPE STORM DRAIN WITH WATER TIGHT JOINTS ● S=0.0200
10. ~~CONSTRUCT~~ DOUBLE TYPE 'C' INLET TC=25.~~65~~.59; TG=24.~~98~~.71 INV. OUT (N) =21.~~50~~.33
11. ~~CONSTRUCT~~ 2'✓CURB OPENINGS ● 54' O.C.
12. ~~CONSTRUCT~~ ~~36"~~ 25" WIDE DRAINAGE RUNDOWN PER SECTION A1, SEE SHEET C-320
13. ~~CONSTRUCT~~ 24"✓STORM INLET PER SECTION B5, SHEET C-319 TG=~~48.77~~.40 INV. IN (N) =40.~~40~~.42; INV. OUT (S) =40.~~28~~.17
14. ~~INSTALL~~ 171.50 LF 18" HDPE STORM DRAIN WITH WATER TIGHT JOINTS ● S=~~0.0100~~ 0.0108
15. ~~CONSTRUCT~~ 24"✓STORM INLET PER SECTION B5, SHEET C-319 TG=~~48.77~~.47 INV. IN (N) =41.~~80~~.82; INV. OUT (S) =41.~~65~~.62
16. ~~INSTALL~~ 83.50 LF 24" HDPE STORM DRAIN WITH WATER TIGHT JOINTS ● S=0.0070
17. ~~CONSTRUCT~~ 24" STORM INLET PER SECTION B5, SHEET C-319 TG=~~49.60~~ 48.45; INV. IN (W)=43.45 INV. IN (N) =43.~~70~~.27; INV. OUT (S) =43.~~38~~.12
18. ~~CONSTRUCT~~ 36" SIDEWALK CULVERT INV. IN (N) =29.~~15~~.21; INV. OUT (S) =29.~~05~~.10
19. ~~CONSTRUCT~~ HEADER CURB PER THE ELEVATIONS SHOWN. ~~(IN PROGRESS)~~
20. ~~CONSTRUCT~~ 24" STORM INLET PER SECTION B5, SHEET C-319 TG=~~49.60~~ 48.45 INV. IN (N) =45.~~50~~.30; INV. OUT (S) =45.~~39~~.12
21. ~~INSTALL~~ 172 LF 12" HDPE STORM DRAIN WITH WATER TIGHT JOINTS ● S=0.0100✓
22. ~~CONSTRUCT~~ 24" STORM INLET PER SECTION B5, SHEET C-319 TG=~~49.60~~ 48.43 INV. OUT (S) =47.~~15~~.02
23. ~~CONNECT~~ 24"✓STORM DRAIN TO EXISTING 24" HDPE STORM DRAIN. ~~INSTALL~~ 137 LF 24" HDPE STORM DRAIN WITH WATER TIGHT JOINTS ● S=0.0350
24. ~~CONSTRUCT~~ TYPE 'E' STORM MANHOLE PER DETAILS, SHEET C-320 RIM = ~~33.5~~ 34.19 INV. IN (N) = 25.~~60~~.27; INV. OUT (~~S~~)(E) =25.~~50~~.23
25. ~~INSTALL~~ 79.21 LF 24" HDPE STORM DRAIN WITH WATER TIGHT JOINTS ● S=~~0.0100~~ 0.0113
26. ~~CONSTRUCT~~ TYPE 'E' STORM MANHOLE PER DETAILS, SHEET C-320 RIM = ~~33.5~~ 33.00 INV. IN (~~W &~~ N) = 26.~~90~~.64; INV. OUT (S)=26.~~40~~.17 INV IN (W) = 26.48 INV. IN (~~UNDERDRAIN-W~~)=~~28.16~~ 27.45
27. ~~INSTALL~~ 231.4 LF 18" HDPE STORM DRAIN WITH WATER TIGHT JOINTS ● S=~~0.0236~~ 0.0251
28. ~~CONSTRUCT~~ 24"✓STORM INLET PER SECTION B5, SHEET C-319 ~~TG=36.16~~ (SEE SHEET C-117 FOR AS BUILT ELEVATIONS) ~~INV. IN (S)=32.79; INV. OUT (E)=32.40~~
29. ~~INSTALL~~ 83.50 LF 18" HDPE STORM DRAIN WITH WATER TIGHT JOINTS ● S=~~0.0100~~ 0.0126
30. ~~CONSTRUCT~~ TYPE 'E' STORM MANHOLE PER DETAILS, SHEET C-320 RIM = 33.~~8~~.17 INV. IN (W) = 27.~~90~~.78; INV. OUT (S) =27.~~77~~.69 INV. IN (~~UNDERDRAIN-W~~)=~~28.16~~ 27.97
31. ~~INSTALL~~ 231.4 LF 18" HDPE STORM DRAIN WITH WATER TIGHT JOINTS ● S=~~0.0199~~ 0.0187
32. ~~CONSTRUCT~~ 24"✓STORM INLET PER SECTION B5, SHEET C-319 TG=~~36.16~~.07; INV. ~~IN~~ OUT (N) =34.~~58~~.35
33. ~~INSTALL~~ 169 LF 12" HDPE STORM DRAIN WITH WATER TIGHT JOINTS ● S=0.0050✓
34. ~~CONSTRUCT~~ 24"✓STORM INLET PER SECTION B5, SHEET C-319 TG=~~36.16~~.17; INV. IN (S) =33.~~74~~.51 INV. OUT (N) =33.~~65~~.39
35. ~~INSTALL~~ 178 LF 12" HDPE STORM DRAIN WITH WATER TIGHT JOINTS ● S=~~0.0070~~ 0.0055
36. ~~INSTALL~~ 178 LF 18" HDPE STORM DRAIN WITH WATER TIGHT JOINTS ● S=~~0.0100~~ 0.0067
37. ~~INSTALL~~ 171.50 LF 12" HDPE STORM DRAIN WITH WATER TIGHT JOINTS ● S=~~0.0050~~ 0.0064
38. ~~INSTALL~~ 172 LF 12" HDPE STORM DRAIN WITH WATER TIGHT JOINTS ● S=~~0.0050~~ 0.0049
39. ~~CONSTRUCT~~ ~~36"~~ 25" WIDE DRAINAGE RUNDOWN PER SECTION A4 / SHEET C-320
40. ~~CONSTRUCT~~ 24"✓STORM INLET PER SECTION B5, SHEET C-319. SEE SHEET L-310B FOR ADDITIONAL INFORMATION TG=49.~~36~~.30, ~~INV. 42.20~~ INV IN (N) 42.97 INV OUT (S) 42.87
41. THE GRADING PLAN DEPICTS FINAL GRADES WITHIN THE BUFFER LANDSCAPING, PARKING LOT END ISLANDS AND WATER HARVESTING AREAS OF THE PARKING ISLANDS. CONTRACTOR SHALL LEAVE THE SUBGRADE 4" BELOW THE FINAL GRADE TO ACCOMMODATE FUTURE LANDSCAPE IMPROVEMENTS (PHASE 2)
42. ~~INSTALL~~ 20 LF 12" HDPE STORM DRAIN WITH WATERTIGHT JOINTS ● S=0.0100 TO CONNECT UNDERDRAIN TO SDMH
43. ~~INSTALL~~ 12" HDPE II 1/44 ELL. FOR UNDERDRAIN CONNECTION TO SDMH. INV.=30.60



RECORD DRAWING
FOR CERTIFICATION, SEE SHEET 15

(A1) GRADING PLAN – SOUTH
SCALE: 1" = 30'

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NEW SOCCER FIELD COMPLEX

APS

NO.	DATE	BY	REVISIONS
2	02/09	G.R.B.	REVISED GRADING AND FUTURE TRACK LAYOUT
5	05/09	G.R.B.	REVISED GRADING PER AS-BUILT DATA; REVISE KEYED ADD KEYED NOTES (42) (43) REVISE SPOT ELEVATION.
6	08/09	G.R.B.	DRAINAGE CERT FOR TEMP. C.O.
7	11/09	J.G.M.	ENGR. CERT. FOR PERM. C.O.

PROJECT No.	2007.180.3
DESIGNED BY	G.R.B.
DRAWN BY	JYR/JLP/DMH
APPROVED BY	J.G.M.

SHEET TITLE
GRADING PLAN-SOUTH

C-116
SHEET 16 OF 90

File Name: 71803_GPS-R7.DWG | Plot Date: 11-10-2009 | Plot Time: 08:04 am

SURVEY NOTE:

THIS IS NOT A BOUNDARY SURVEY. BOUNDARY DATA IS SHOWN FOR ORIENTATION ONLY. BOUNDARY DEPICTED BY THIS PLAN IS BASED UPON BOUNDARY SURVEY PERFORMED BY HIGH MESA CONSULTING GROUP NMPS 11184, DATED JANUARY, 2007. THE TOPOGRAPHIC INFORMATION DEPICTED HEREON IS BASED UPON THE MASS GRADING PLAN FOR TRACT C-1 ANCIENT MESA DATED OCTOBER 12, 2007.

RECORD DRAWING LEGEND

~~CONSTRUCT~~	RECORD INFORMATION (VERIFIED BY ENGINEER)
✓	AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY ENGINEER)
~~36~~ 42"	RECORD INFORMATION (VERIFIED BY ENGINEER)
+23.2	RECORD INFORMATION (VERIFIED BY ENGINEER)
28,~~95~~.92	RECORD INFORMATION (VERIFIED BY ENGINEER)
✓	AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY AS-BUILT SURVEY)
~~32~~ 31.8	RECORD INFORMATION FROM AS-BUILT SURVEY
+26.9	RECORD INFORMATION FROM AS-BUILT SURVEY
31.~~25~~.22	RECORD INFORMATION FROM AS-BUILT SURVEY

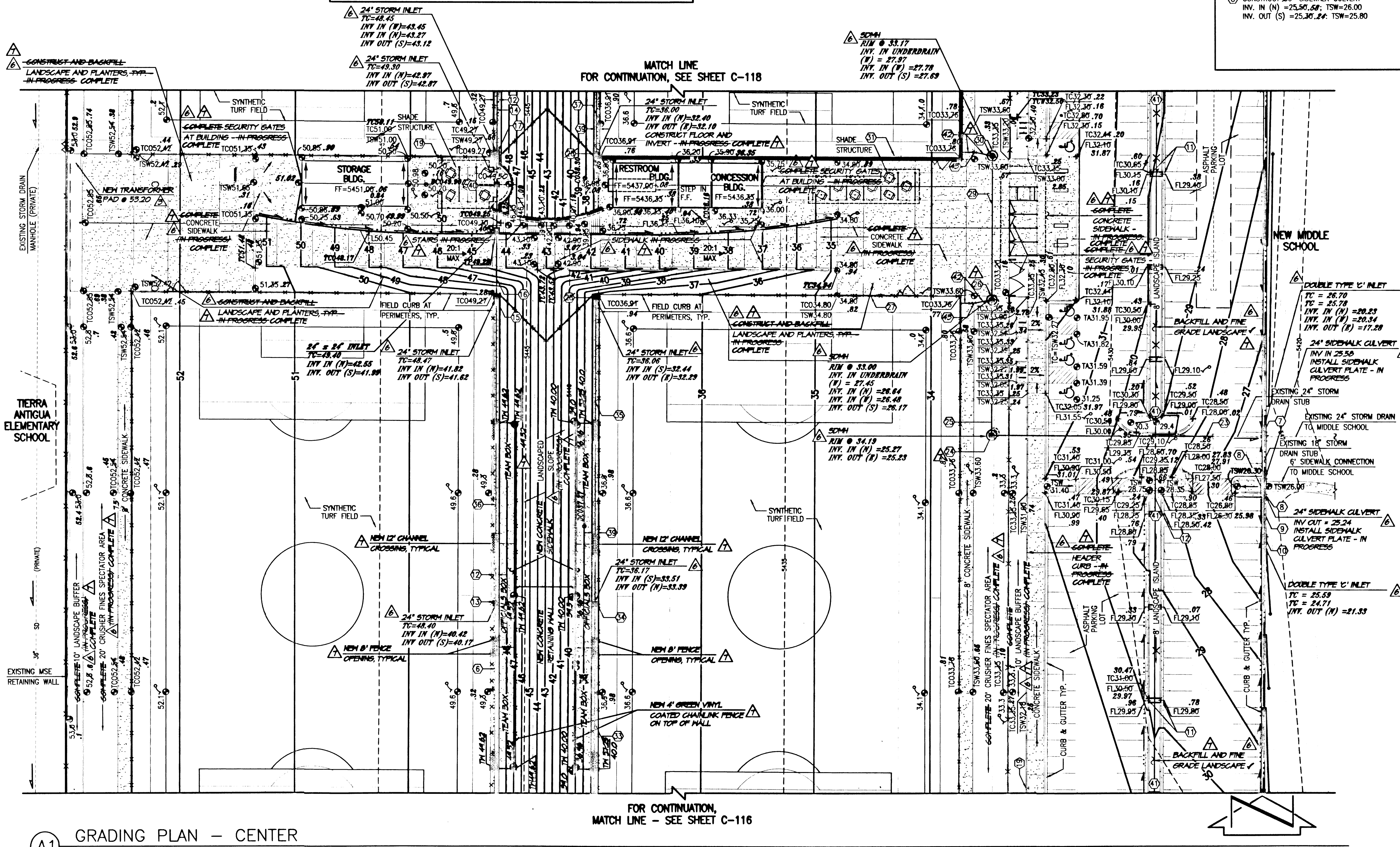
LEGEND

52.8	PROPOSED SPOT ELEVATION
— 34 —	PROPOSED CONTOUR
	EXISTING CONTOUR
←— · · ·	PROPOSED FLOWLINE
←—	DRAINAGE FLOW DIRECTION
— — — —	PUBLIC EASEMENT LINE
	PROPOSED CONCRETE
	PROPOSED ASPHALT PAVING
FL	FLOWLINE
INV	INVERT
TA	TOP OF ASPHALT
TC	TOP OF CURB
TCO	TOP OF CONCRETE
TG	TOP OF GRATE
TSW	TOP OF SIDEWALK
(1)	KEYED NOTE

RECORD DRAWING
FOR CERTIFICATION, SEE SHEET 15

KEYED NOTES

1. EXISTING TYPE 'C' INLET TC=41.74 (AS-BUILT) ~~CONSTRUCT~~ NEW 24"✓STORM INLET PENETRATION TC=40.74
   INV. IN (N) =36.~~55~~.74; INV OUT (E) = 35.37
   INV IN (W) = 35.38
2. ~~INSTALL~~ 163.05 LF 24" HDPE STORM DRAIN WITH WATER TIGHT JOINTS @ S=~~0.0100~~ 0.0047
3. ~~CONSTRUCT~~ TYPE 'E' STORM MANHOLE PER DETAILS, SHEET C-320
   RIM = 43.~~8~~.44
   INV. IN (N) = ~~38.20~~37.82; INV. OUT (S) =~~38.05~~ 37.51
4. ~~INSTALL~~ 55.65 LF 24" HDPE STORM DRAIN WITH WATER TIGHT JOINTS @ S=~~0.0100~~ 0.0200
5. ~~CONSTRUCT~~ 24"✓STORM INLET PER SECTION B5, SHEET C-319
   TG=~~48.??~~.35 .05
   INV. IN (N) =39.~~10~~; INV. OUT (S) =38.~~83~~ .93
   INV IN (W) = 43.26
6. ~~INSTALL~~ 169 LF 24" HDPE STORM DRAIN WITH WATER TIGHT JOINTS @ S=~~0.0070~~ 0.0063
7. EXISTING INLET BOX. ~~CONSTRUCT~~ DOUBLE TYPE 'C' INLET THROAT AND TOP PER DETAIL C1, SEE SHEET C-319
   TC=~~27.10~~ 26.70 ; TG=~~26.345~~ 25.78
   INV. IN (S) =20.~~50~~.23; INV. IN (W) =20.~~90~~.34
   INV. OUT (E) =17.~~10~~.28
8. ~~CONSTRUCT~~ ~~36"~~ 24" SIDEWALK CULVERT
   INV. IN (N) =25.~~50~~.58; TSW=26.00
   INV. OUT (S) =25.~~30~~.24: TSW=25.80
9. ~~CONNECT~~ 18" HDPE STORM DRAIN TO EXISTING 18" HDPE STORM DRAIN PIPE. ~~INSTALL~~ 30 LF 18" HDPE STORM DRAIN WITH WATER TIGHT JOINTS @ S=0.0200
10. ~~CONSTRUCT~~ DOUBLE TYPE 'C' INLET
    TC=25.~~65~~.59; TG=24.~~98~~.71
    INV. OUT (N) =21.~~50~~.33
11. ~~CONSTRUCT~~ 2'✓CURB OPENINGS @ 54' O.C.
12. ~~CONSTRUCT~~ ~~36"~~ 25" WIDE DRAINAGE RUNDOWN PER SECTION A1, SEE SHEET C-320
13. ~~CONSTRUCT~~ 24"✓STORM INLET PER SECTION B5, SHEET C-319
    TG=~~48.??~~.40
    INV. IN (N) =40.~~40~~.42; INV. OUT (S) =40.~~28~~.17
14. ~~INSTALL~~ 171.50 LF 18" HDPE STORM DRAIN WITH WATER TIGHT JOINTS @ S=~~0.0100~~ 0.0108
15. ~~CONSTRUCT~~ 24"✓STORM INLET PER SECTION B5, SHEET C-319
    TG=~~48.??~~.47
    INV. IN (N) =41.~~80~~.82; INV. OUT (S) =41.~~65~~.62
16. ~~INSTALL~~ 83.50 LF 24" HDPE STORM DRAIN WITH WATER TIGHT JOINTS @ S=0.0070
17. ~~CONSTRUCT~~ 24" STORM INLET PER SECTION B5, SHEET C-319
    TG=~~49.00~~ 48.45; INV. IN (W)=43.45
    INV. IN (N) =43.~~70~~.27; INV. OUT (S) =43.~~38~~.12
18. ~~CONSTRUCT~~ 36" SIDEWALK CULVERT
    INV. IN (N) =29.~~15~~.21; INV. OUT (S) =29.~~05~~.10
19. ~~CONSTRUCT~~ HEADER CURB PER THE ELEVATIONS SHOWN. ~~(IN PROGRESS)~~
20. ~~CONSTRUCT~~ 24" STORM INLET PER SECTION B5, SHEET C-319
    TG=~~49.00~~ 48.45
    INV. IN (N) =45.~~50~~.30; INV. OUT (S) =45.~~39~~.12
21. ~~INSTALL~~ 172 LF 12" HDPE STORM DRAIN WITH WATER TIGHT JOINTS
    @ S=0.0100✓
22. ~~CONSTRUCT~~ 24" STORM INLET PER SECTION B5, SHEET C-319
    TG=~~49.00~~ 48.43
    INV. OUT (S) =47.~~15~~.02
23. ~~CONNECT~~ 24"✓STORM DRAIN TO EXISTING 24" HDPE STORM DRAIN. ~~INSTALL~~ 137 LF 24" HDPE STORM DRAIN WITH WATER TIGHT JOINTS
    @ S=0.0350
24. ~~CONSTRUCT~~ TYPE 'E' STORM MANHOLE PER DETAILS, SHEET C-320
    RIM = ~~33.5~~ ~~34.15~~ 33.40
    INV. IN (N) = 25.~~60~~.27; INV. OUT (~~S~~)(E) =25.~~50~~ .23
25. ~~INSTALL~~ 79.21 LF 24" HDPE STORM DRAIN WITH WATER TIGHT JOINTS
    @ S=~~0.0100~~ 0.0113
26. ~~CONSTRUCT~~ TYPE 'E' STORM MANHOLE PER DETAILS, SHEET C-320
    RIM = ~~33.5~~ ~~33.00~~33.44.64
    INV. IN (~~W &~~ N) = 26.~~90~~; INV. OUT (S)=26.~~40~~ .17
    INV IN (W) = 26.48
    INV. IN (~~UNDERDRAIN-W)=28.16~~
27. ~~INSTALL~~ 231.4 LF 18" HDPE STORM DRAIN WITH WATER TIGHT JOINTS
    @ S=~~0.0236~~ 0.0251
28. ~~CONSTRUCT~~ 24"✓STORM INLET PER SECTION B5, SHEET C-319
    ~~TG=36.16~~
    (SEE SHEET C-117 FOR AS BUILT ELEVATIONS)
    ~~INV. IN (S)=32.79; INV. OUT (E)=32.40~~
29. ~~INSTALL~~ 83.50 LF 18" HDPE STORM DRAIN WITH WATER TIGHT JOINTS
    @ S=~~0.0100~~ 0.0126
30. ~~CONSTRUCT~~ TYPE 'E' STORM MANHOLE PER DETAILS, SHEET C-320
    RIM = 33.~~8~~ ~~.17~~ 33.48
    INV. IN (W) = 27.~~90~~.78; INV. OUT (S) =27.~~77~~ .69
    INV. IN (UNDERDRAIN-W)=~~28.16~~ 27.97
31. ~~INSTALL~~ 231.4 LF 18" HDPE STORM DRAIN WITH WATER TIGHT JOINTS
    @ S=~~0.0199~~ 0.0187
32. ~~CONSTRUCT~~ 24"✓STORM INLET PER SECTION B5, SHEET C-319
    TG=~~36.16~~.07; INV. ~~IN~~ OUT (N) =34.~~56~~ .35
33. ~~INSTALL~~ 169 LF 12" HDPE STORM DRAIN WITH WATER TIGHT JOINTS
    @ S=0.0050✓
34. ~~CONSTRUCT~~ 24"✓STORM INLET PER SECTION B5, SHEET C-319
    TG=~~36.16~~ .17; INV. IN (S) =33.~~74~~.51
    INV. OUT (N) =33.~~65~~ .39
35. ~~INSTALL~~ 178 LF 12" HDPE STORM DRAIN WITH WATER TIGHT JOINTS
    @ S=~~0.0070~~ 0.0053
36. ~~INSTALL~~ 178 LF 18" HDPE STORM DRAIN WITH WATER TIGHT JOINTS
    @ S=~~0.0100~~ 0.0067
37. ~~INSTALL~~ 171.50 LF 12" HDPE STORM DRAIN WITH WATER TIGHT JOINTS
    @ S=~~0.0050~~ 0.0064
38. ~~INSTALL~~ 172 LF 12" HDPE STORM DRAIN WITH WATER TIGHT JOINTS
    @ S=~~0.0050~~ 0.0049
39. ~~CONSTRUCT~~ ~~36"~~ 25" WIDE DRAINAGE RUNDOWN PER SECTION A4 / SHEET C-320
40. ~~CONSTRUCT~~ 24"✓STORM INLET PER SECTION B5, SHEET C-319. SEE SHEET L-310B FOR ADDITIONAL INFORMATION
    TG=49.~~36~~.30, ~~INV. 42.20~~ INV IN (N) 42.97
    INV OUT (S) 42.87
41. THE GRADING PLAN DEPICTS FINAL GRADES WITHIN THE BUFFER LANDSCAPING, PARKING LOT END ISLANDS AND WATER HARVESTING AREAS OF THE PARKING ISLANDS. CONTRACTOR SHALL LEAVE THE SUBGRADE 4" BELOW THE FINAL GRADE TO ACCOMMODATE FUTURE LANDSCAPE IMPROVEMENTS (PHASE 2)
42. ~~INSTALL~~ 20 LF 12" HDPE STORM DRAIN WITH WATERTIGHT JOINTS @ S=0.0100 TO CONNECT UNDERDRAIN TO SDMH
43. ~~INSTALL~~ 12" HDPE 11 1/44 ELL. FOR UNDERDRAIN CONNECTION TO SDMH. INV.=30.60



A1 GRADING PLAN - CENTER
SCALE: 1" = 30'

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04-15-2009 08-19-2009 11-10-2009 11-25-2008

ALBUQUERQUE PUBLIC SCHOOLS
NORTHWEST EDUCATION CORRIDOR
NEW SOCCER FIELD COMPLEX

APS

NO.	DATE	BY	REVISIONS
3	03/09	G.R.B.	REVISE KEYED NOTES
			ADD KEYED NOTES 42 43
			REVISE SPOT ELEVATION
			ADD TRANSFORMER PAD
6	08/09	G.R.B.	DRAINAGE CERT FOR TEMP. C.O.
7	11/09	J.G.M.	ENGR. CERT. FOR PERM. C.O.

PROJECT No.	2007.180.3
DESIGNED BY	G.R.B.
DRAWN BY	JYR/JLP/DMH
APPROVED BY	J.G.M.

SHEET TITLE
GRADING PLAN-CENTER

C-117
SHEET 17 OF 90

SURVEY NOTE:

THIS IS NOT A BOUNDARY SURVEY. BOUNDARY DATA IS SHOWN FOR ORIENTATION ONLY. BOUNDARY DEPICTED BY THIS PLAN IS BASED UPON BOUNDARY SURVEY PERFORMED BY HIGH MESA CONSULTING GROUP NMPS 11184, DATED JANUARY, 2007. THE TOPOGRAPHIC INFORMATION DEPICTED HEREON IS BASED UPON THE MASS GRADING PLAN FOR TRACT C-1 ANCIENT MESA DATED OCTOBER 12, 2007.

RECORD DRAWING LEGEND

~~CONSTRUCT~~	RECORD INFORMATION (VERIFIED BY ENGINEER)
✓	AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY ENGINEER)
~~38~~ 42"	RECORD INFORMATION (VERIFIED BY ENGINEER)
+25.2	RECORD INFORMATION (VERIFIED BY ENGINEER)
28.~~95~~.92	RECORD INFORMATION (VERIFIED BY ENGINEER)
✓°	AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY AS-BUILT SURVEY)
~~31~~ 31.8	RECORD INFORMATION FROM AS-BUILT SURVEY
+26.9	RECORD INFORMATION FROM AS-BUILT SURVEY
31.~~25~~.22	RECORD INFORMATION FROM AS-BUILT SURVEY

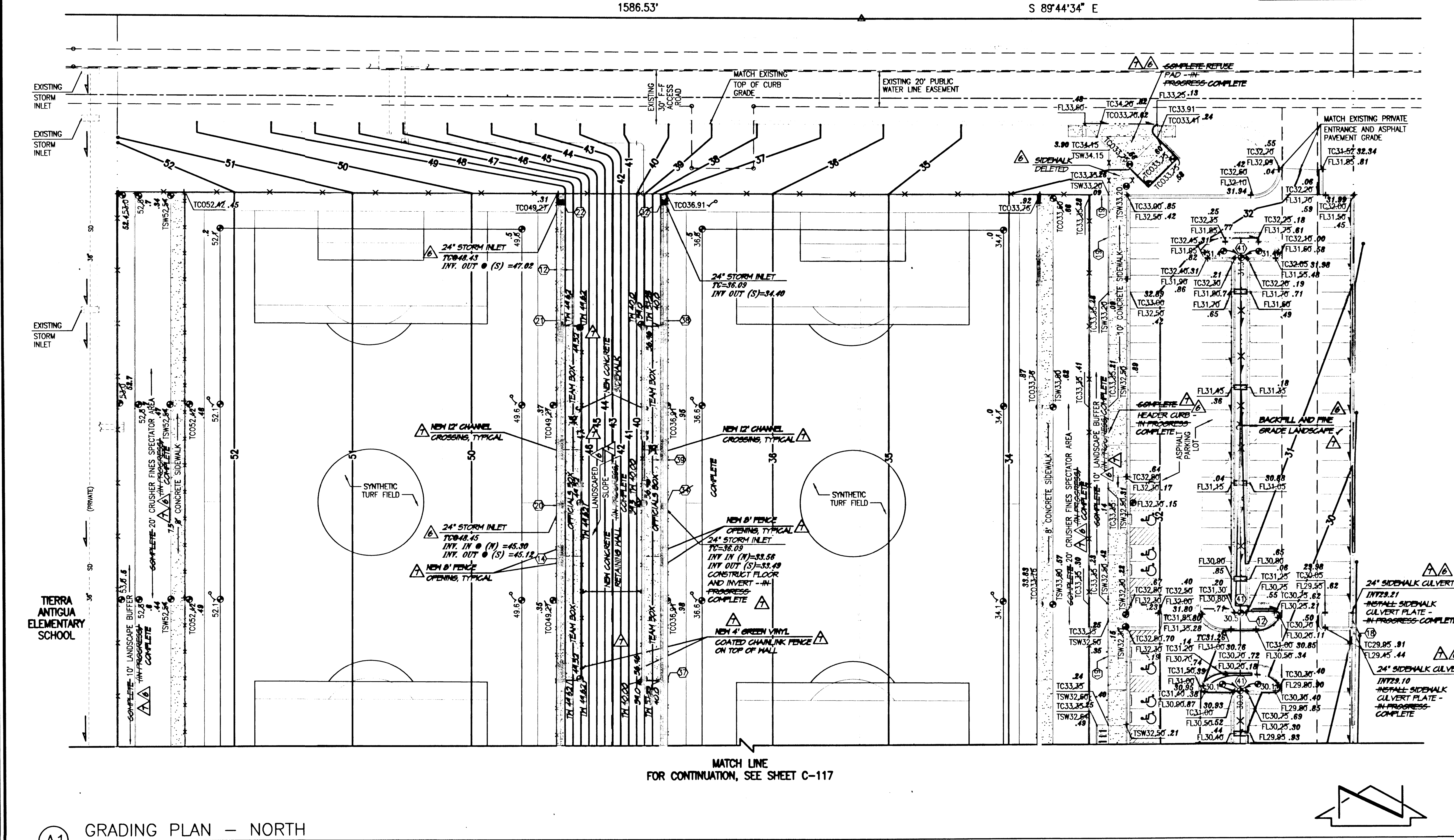
LEGEND

52.8	PROPOSED SPOT ELEVATION
—34—	PROPOSED CONTOUR
	EXISTING CONTOUR
	PROPOSED FLOWLINE
	DRAINAGE FLOW DIRECTION
— — —	PUBLIC EASEMENT LINE
	PROPOSED CONCRETE
	PROPOSED ASPHALT PAVING
FL	FLOWLINE
INV	INVERT
TA	TOP OF ASPHALT
TC	TOP OF CURB
TCO	TOP OF CONCRETE
TG	TOP OF GRATE
TSW	TOP OF SIDEWALK
(1)	KEYED NOTE

RECORD DRAWING
FOR CERTIFICATION, SEE SHEET 15

KEYED NOTES

1. EXISTING TYPE 'C' INLET TC=41.74 (AS-BUILT) ~~CONSTRUCT~~ NEW 24"✓STORM INLET PENETRATION ~~TC=40.74~~ INV. IN (N) =36.~~55~~.74; INV OUT (E) = 35.37 INV IN (W) = 35.38
2. ~~INSTALL~~ 163.05 LF 24" HDPE STORM DRAIN WITH WATER TIGHT JOINTS @ S=~~0.0100~~ 0.0047
3. ~~CONSTRUCT~~ TYPE 'E' STORM MANHOLE PER DETAILS, SHEET C-320 RIM = 43.~~8~~.44 INV. IN (N) = ~~38.20~~37.82; INV. OUT (S) =~~38.05~~ 37.51
4. ~~INSTALL~~ 55.65 LF 24" HDPE STORM DRAIN WITH WATER TIGHT JOINTS @ S=~~0.0100~~ 0.0200
5. ~~CONSTRUCT~~ 24"✓STORM INLET PER SECTION B5, SHEET C-319 TG=~~48.77~~.35 INV. IN (N) =39.~~10~~.05; INV. OUT (S) =38.~~85~~.93 INV IN (W) = 43.26
6. ~~INSTALL~~ 169 LF 24" HDPE STORM DRAIN WITH WATER TIGHT JOINTS @ S=~~0.0070~~ 0.0065
7. EXISTING INLET BOX. ~~CONSTRUCT~~ DOUBLE TYPE 'C' INLET THROAT AND TOP PER DETAIL C1, SEE SHEET C-319 TC=~~27.10~~ 26.70 ; TG=~~26.345~~ 25.78 INV. IN (S) =20.~~50~~.23; INV. IN (W) =20.~~00~~.34 INV. OUT (E) =17.~~10~~.28
8. ~~CONSTRUCT~~ ~~36"~~ 24" SIDEWALK CULVERT INV. IN (N) =25.~~50~~.58; TSW=26.00 INV. OUT (S) =25.~~30~~.24; TSW=25.80
9. ~~CONNECT~~ 18" HDPE STORM DRAIN TO EXISTING 18" HDPE STORM DRAIN PIPE. ~~INSTALL~~ 30 LF 18" HDPE STORM DRAIN WITH WATER TIGHT JOINTS @ S=0.0200
10. ~~CONSTRUCT~~ DOUBLE TYPE 'C' INLET TC=25.~~65~~.59; TG=24.~~98~~.71 INV. OUT (N) =21.~~50~~.33
11. ~~CONSTRUCT~~ 2'✓CURB OPENINGS @ 54' O.C.
12. ~~CONSTRUCT~~ ~~36"~~ 25" WIDE DRAINAGE RUNDOWN PER SECTION A1, SEE SHEET C-320
13. ~~CONSTRUCT~~ 24"✓STORM INLET PER SECTION B5, SHEET C-319 TG=~~48.77~~.40 INV. IN (N) =40.~~40~~.42; INV. OUT (S) =40.~~28~~.17
14. ~~INSTALL~~ 171.50 LF 18" HDPE STORM DRAIN WITH WATER TIGHT JOINTS @ S=~~0.0100~~ 0.0108
15. ~~CONSTRUCT~~ 24"✓STORM INLET PER SECTION B5, SHEET C-319 TG=~~48.77~~.47 INV. IN (N) =41.~~80~~.82; INV. OUT (S) =41.~~65~~.62
16. ~~INSTALL~~ 83.50 LF 24" HDPE STORM DRAIN WITH WATER TIGHT JOINTS @ S=0.0070
17. ~~CONSTRUCT~~ 24" STORM INLET PER SECTION B5, SHEET C-319 TG=~~49.00~~ 48.45; INV. IN (W)=43.45 INV. IN (N) =43.~~70~~.27; INV. OUT (S) =43.~~38~~.12
18. ~~CONSTRUCT~~ 36" SIDEWALK CULVERT INV. IN (N) =29.~~15~~.21; INV. OUT (S) =29.~~05~~.10
19. ~~CONSTRUCT~~ HEADER CURB PER THE ELEVATIONS SHOWN. ~~(IN PROGRESS)~~
20. ~~CONSTRUCT~~ 24" STORM INLET PER SECTION B5, SHEET C-319 TG=~~49.00~~ 48.45 INV. IN (N) =45.~~50~~.30; INV. OUT (S) =45.~~35~~.12
21. ~~INSTALL~~ 172 LF 12" HDPE STORM DRAIN WITH WATER TIGHT JOINTS @ S=0.0100✓
22. ~~CONSTRUCT~~ 24" STORM INLET PER SECTION B5, SHEET C-319 TG=~~49.00~~ 48.43 INV. OUT (S) =47.~~15~~.02
23. ~~CONNECT~~ 24"✓STORM DRAIN TO EXISTING 24" HDPE STORM DRAIN. ~~INSTALL~~ 137 LF 24" HDPE STORM DRAIN WITH WATER TIGHT JOINTS @ S=0.0350
24. ~~CONSTRUCT~~ TYPE 'E' STORM MANHOLE PER DETAILS, SHEET C-320 RIM = ~~33.5~~ 34.19 INV. IN (N) = 25.~~80~~.27; INV. OUT ~~(S)~~ (E) =25.~~50~~.23
25. ~~INSTALL~~ 79.21 LF 24" HDPE STORM DRAIN WITH WATER TIGHT JOINTS @ S=~~0.0100~~ 0.0113
26. ~~CONSTRUCT~~ TYPE 'E' STORM MANHOLE PER DETAILS, SHEET C-320 RIM = ~~33.5~~ 33.00 INV. IN ~~(W &~~ N) = 26.~~90~~.64; INV. OUT (S)=26.~~40~~.17 INV IN (W) = 26.48 INV. IN ~~(UNDERDRAIN-W)=28.15~~
27. ~~INSTALL~~ 231.4 LF 18" HDPE STORM DRAIN WITH WATER TIGHT JOINTS @ S=~~0.0236~~ 0.0251
28. ~~CONSTRUCT~~ 24"✓STORM INLET PER SECTION B5, SHEET C-319 ~~TG=36.16~~ (SEE SHEET C-117 FOR AS BUILT ELEVATIONS) ~~INV. IN (S)=32.79; INV. OUT (E)=32.40~~
29. ~~INSTALL~~ 83.50 LF 18" HDPE STORM DRAIN WITH WATER TIGHT JOINTS @ S=~~0.0100~~ 0.0126
30. ~~CONSTRUCT~~ TYPE 'E' STORM MANHOLE PER DETAILS, SHEET C-320 RIM = 33.~~8~~.17 INV. IN (W) = 27.~~90~~.78; INV. OUT (S) =27.~~77~~.69 INV. IN ~~(UNDERDRAIN-W)=28.15~~ 27.97
31. ~~INSTALL~~ 231.4 LF 18" HDPE STORM DRAIN WITH WATER TIGHT JOINTS @ S=~~0.0199~~ 0.0187
32. ~~CONSTRUCT~~ 24"✓STORM INLET PER SECTION B5, SHEET C-319 TG=~~36.16~~.07; INV. ~~IN~~ OUT (N) =34.~~58~~.35
33. ~~INSTALL~~ 169 LF 12" HDPE STORM DRAIN WITH WATER TIGHT JOINTS @ S=0.0050✓
34. ~~CONSTRUCT~~ 24"✓STORM INLET PER SECTION B5, SHEET C-319 TG=~~36.16~~.17; INV. IN (S) =33.~~74~~.51 INV. OUT (N) =33.~~65~~.39
35. ~~INSTALL~~ 178 LF 12" HDPE STORM DRAIN WITH WATER TIGHT JOINTS @ S=~~0.0070~~ 0.0053
36. ~~INSTALL~~ 178 LF 18" HDPE STORM DRAIN WITH WATER TIGHT JOINTS @ S=~~0.0100~~ 0.0067
37. ~~INSTALL~~ 171.50 LF 12" HDPE STORM DRAIN WITH WATER TIGHT JOINTS @ S=~~0.0050~~ 0.0064
38. ~~INSTALL~~ 172 LF 12" HDPE STORM DRAIN WITH WATER TIGHT JOINTS @ S=~~0.0050~~ 0.0049
39. ~~CONSTRUCT~~ ~~36"~~ 25" WIDE DRAINAGE RUNDOWN PER SECTION A4 / SHEET C-320
40. ~~CONSTRUCT~~ 24"✓STORM INLET PER SECTION B5, SHEET C-319. SEE SHEET L-310B FOR ADDITIONAL INFORMATION TG=49.~~36~~.30, ~~INV. 42.20~~ INV IN (N) 42.97 INV OUT (S) 42.87
41. THE GRADING PLAN DEPICTS FINAL GRADES WITHIN THE BUFFER LANDSCAPING, PARKING LOT END ISLANDS AND WATER HARVESTING AREAS OF THE PARKING ISLANDS. CONTRACTOR SHALL LEAVE THE SUBGRADE 4" BELOW THE FINAL GRADE TO ACCOMMODATE FUTURE LANDSCAPE IMPROVEMENTS (PHASE 2)
42. ~~INSTALL~~ 20 LF 12" HDPE STORM DRAIN WITH WATERTIGHT JOINTS @ S=0.0100 TO CONNECT UNDERDRAIN TO SDMH
43. ~~INSTALL~~ 12" HDPE 11 1/44 ELL FOR UNDERDRAIN CONNECTION TO SDMH. INV.=30.60



MATCH LINE
FOR CONTINUATION, SEE SHEET C-117

A1 GRADING PLAN – NORTH
SCALE: 1" = 30'

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NEW SOCCER FIELD COMPLEX

NO.	DATE	BY	REVISIONS
5	03/09	G.R.B.	REVISE KEYED NOTES
			ADD KEYED NOTES 42 43
			REVISE SPOT ELEVATION
6	08/09	G.R.B.	DRAINAGE CERT FOR TEMP. C.O.
7	11/09	J.G.M.	ENGR. CERT. FOR PERM. C.O.

PROJECT No.	2007.180.3
DESIGNED BY	G.R.B.
DRAWN BY	JYR/JLP/DMH
APPROVED BY	J.G.M.

SHEET TITLE
GRADING PLAN - NORTH

C-118
SHEET 18 OF 90

File Path: E:\DATA\ACAD\14\2007\180.3\REV7\ Plot Date: 11-10-2009
File Name: 71803_GPN-R7.DWG Plot Time: 10:45 am