THE PROPOSED 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 PROPERTY CONSISTS OF APPROXIMATELY 63.3 ACRES TO BE DEVELOPED INTO AN ELEMENTARY SCHOOL, A MIDDLE SCHOOL AND SOCCER FIELD COMPLEX. THE DEVELOPED STORM RUNOFF FROM THE SITE WILL CONTINUE TO DISCHARGE IN DISSIPATED SHEET FLOW ONTO THE PROPOSED TRACT ADJACENT TO THE SOUTH AND INTO THE BOCA NEGRA ARROYO. MINOR OFFSITE FLOWS WILL CONTINUE TO BE ACCEPTED AND CONVEYED THROUGH THE PROPERTY TO THE HISTORIC DISCHARGE POINT OF THE ARROYO.

THE PURPOSE OF THIS SUBMITTAL IS TO SUPPORT THE ROUGH GRADING APPROVAL FOR THE ELEMENTARY SCHOOL SITE, SOCCER COMPLEX AND PRIVATE ROADS.

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 (A.K.A. ATRISCO DRIVE). SOUTH OF WOODMONT AVENUE NW. THE EASTERLY HALF OF RAINBOW BOULEVARD NW IS DEVELOPED WITH TEMPORARY AND PERMANENT CURB AND ASPHALT PAVEMENT, CONSTRUCTED UNDER CITY PROJECT NO. 766981 TO SUPPORT THE NEW APS NORTHWEST HIGH SCHOOL (A.K.A. VOLCANO VISTA HIGH SCHOOL). 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 WESTERLY BOUNDARY OF THE PROPOSED TRACTS ARE UNDEVELOPED TRACTS 4 AND 5, BOND RANCHES WHICH ARE PART OF THE PETROGLYPH NATIONAL MONUMENT. THE PROPERTIES ALONG THE SOUTH BOUNDARY ARE UNDEVELOPED BUT ARE PLATTED AS PART OF THE VOLCANO CLIFFS. THE PROPOSED LEGAL DESCRIPTIONS OF THE PROPERTY ARE TRACTS C-1 AND C-2, ANCIENT MESA. TRACT C-1 IS APPROXIMATELY 63.3 ACRES AND WILL BE DEVELOPED AS A PUBLIC SCHOOL FACILITY CONSISTING OF AN ELEMENTARY SCHOOL, SOCCER FIELD COMPLEX AND A MIDDLE SCHOOL. TRACT C-2 IS APPROXIMATELY 77.5 ACRES AND WILL REMAIN UNDEVELOPED UNDER THIS PLAN. 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, TRACT C-1 DOES NOT LIE WITHIN A DESIGNATED FLOOD HAZARD ZONE: TRACT C-2 INCLUDES AN EXISTING FLOOD HAZARD ZONE A DESIGNATION WITHIN THE BOCA NEGRA ARROYO PASSING THROUGH THE SITE SOUTHEASTERLY FROM THE WEST BOUNDARY TO THE SOUTH BOUNDARY.

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. PRELIMINARY PLAT OF TRACTS C-1 AND C-2, ANCIENT MESA PREPARED BY HIGH MESA CONSULTING GROUP (HMCG) DATED SEPTEMBER, 2007. THE PRELIMINARY PLAT DEMONSTRATES THE CREATION OF TWO TRACTS FROM TRACT C, ANCIENT MESA AND THE PROPOSED GRANTS OF PUBLIC WATERLINE AND THE DEDICATION OF PUBLIC STREET RIGHT-OF-WAY. THE PRELIMINARY PLAT WAS SUBMITTED TO THE THE DEVELOPMENT REVIEW BOARD (DRB) AND APPROVED AT THE OCTOBER 10, 2007 HEARING. THIS DRAINAGE REPORT ADDRESSES BOTH TRACTS IDENTIFIED IN THE PRELIMINARY PLAT.
- B. MASTER DRAINAGE REPORT (MDP) PREPARED BY THIS OFFICE DATED 8/17/2007 AND APPROVED BY CITY HYDROLOGY (C9/D10) ON SEPTEMBER 06, 2007. THE MDP ESTABLISHED THE CRITERIA FOR DEVELOPING THIS PLAN.

THE PROPOSED DRAINAGE CONCEPTS SHOWN HEREIN IS IN ACCORDANCE WITH THE POLICIES AND REQUIREMENTS OF THE ABOVE LISTED DOCUMENTS.

TRACTS C-1 AND C-2, ANCIENT MESA ARE UNDEVELOPED WITH SPARSE GROUND COVER OF NATIVE VEGETATION. THE SITE GENERALLY SLOPES FROM THE WEST TO ULTIMATELY TO THE UNDEVELOPED BOCA NEGRA ARROYO. 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 SITE IS NOT IMPACTED BY UNDEVELOPED FLOWS FROM THE TRAILS DUE TO THE TEMPORARY RETENTION POND AND ACCESS ROAD THAT INTERCEPT THESE FLOWS AT THE NORTHWEST QUADRANT OF THE PROPERTY, AND THE EASTERLY DEVELOPED PORTION IS GRADED TO CONVEY DEVELOPED RUNOFF TO THE TRAILS DEVELOPMENT DRAINAGE SYSTEM. THE PETROGLYPHS NATIONAL MONUMENT BOUNDS THE PROPERTY TO THE WEST OF PROPOSED TRACT C-2. TRACT C-2 WILL REMAIN UNDEVELOPED UNDER THIS PLAN AND WILL CONTINUE TO ACCEPT ALL OFFSITE FLOWS GENERATED UPSTREAM, INCLUDING ALL FLOWS CONTAINED WITHIN THE EXISTING FLOOD ZONE A OF THE BOCA NEGRA ARROYO. TRACT C-1 IS NOT IMPACTED BY THESE OFFSITE FLOWS BECAUSE THE NORTHWEST CORNER OF THE TRACT IS A TOPOGRAPHIC HIGH POINT. THE SOUTHERN BOUNDARY ABUTS PLATTED UNDEVELOPED LANDS OF THE VOLCANO CLIFFS SUBDIVISION (UNITS 12 AND 13) WHICH ARE TOPOGRAPHICALLY LOWER THAN THESE TRACTS AND ARE INCAPABLE OF GENERATING OFFSITE FLOWS. RAINBOW BOULEVARD NW LIES ALONG THE EAST OF TRACT C-1, WHERE THE EAST HALF OF THE ROADWAY WAS CONSTRUCTED BY CITY PROJECT NO. 766981.

V. PROPOSED MASS GRADING CONDITIONS

THE SITE WILL BE CUT AND FILLED AS SHOWN HEREON IN ANTICIPATION OF THE CONSTRUCTION OF A NEW ELEMENTARY SCHOOL, SOCCER FIELD COMPLEX AND ASSOCIATED ACCESS ROADS. UPON COMPLETION OF THE EARTHWORK, THE SITE WILL BE REVEGETATED AND AN EROSION CONTROL PLAN WILL BE IMPLEMENTED. NO DRAINAGE CALCULATIONS HAVE BEEN INCLUDED BECAUSE THE CHARACTERISTICS OF THE LAND WILL NOT BE SIGNIFICANTLY CHANGED FROM THE EXISTING CONDITIONS.

THIS PLAN IS CONSISTENT WITH THE PREVIOUSLY APPROVED MASTER DRAINAGE REPORT DATED 08/17/2007 AND APPROVED BY CITY HYDROLOGY.

VI. GRADING PLAN

THE GRADING PLANS ON SHEETS 2 THROUGH 5 SHOW: 1) EXISTING GRADES INDICATED BY CONTOURS AT 1 FOOT INTERVALS FROM A TOPOGRAPHIC SURVEY CONDUCTED IN MARCH, 2007 PREPARED BY THIS OFFICE, 2) PROPOSED BOUNDARY AND EASEMENT DATA FROM THE SKETCH PLAT OF TRACTS C-1 AND C-2, ANCIENT MESA PREPARED BY THIS OFFICE. 3) THE LIMIT AND CHARACTER OF THE EXISTING IMPROVEMENTS AS SHOWN BY THE AFOREMENTIONED SURVEY. 4) PROPOSED GRADES INDICATED BY ROUGH GRADING CONTOURS AT 1 FOOT INTERVALS, AND 5) CONTINUITY BETWEEN THE EXISTING AND PROPOSED GRADES.

VII. CONCLUSIONS

FOLLOWING EXCEPTIONS:

A. THE PROPOSED CONSTRUCTION CONSISTS OF THE MASS GRADING SITE PREPARATION FOR A NEW ELEMENTARY SCHOOL, SOCCER FIELD

COMPLEX AND ASSOCIATED ACCESS ROADS. B. THE PROPOSED SITE IMPROVEMENTS AND DRAINAGE CONCEPT ARE CONSISTENT WITH THE DEVELOPMENT CRITERIA ESTABLISHED BY PREVIOUSLY APPROVED PLANS FOR THE SITE (THE TRAILS MDP, VOLCANO HEIGHTS SECTOR DEVELOPMENT PLAN (VHSDP), MASTER DRAINAGE REPORT FOR TRACTS C-1 AND C-2 ANCIENT MESA).

C. THE PROPOSED DRAINAGE CONCEPT IS CONSISTENT WITH PRE DESIGN CONFERENCE WITH THE CITY HYDROLOGIST ON MARCH 8, 2007. D. DEVELOPED RUNOFF GENERATED BY THE DEVELOPMENT OF TRACT

C-1 WILL BE TEMPORARILY MITIGATED BY THE USE OF RETENTION PONDS TO ALLEVIATE ITS IMPACT ON THE DOWNSTREAM BOCA NEGRA DAM CONSTRUCTION.

E. TRACT C-2 IS SUBJECT TO SURFACE DRAINAGE EASEMENTS TO ACCEPT FLOWS FROM TRACT C-1. F. TRACT C-2, WHICH CONTAINS A SECTION OF THE BOCA NEGRA

ARROYO, REMAINS UNDEVELOPED UNDER THIS PLAN WHICH IS CONSISTENT WITH THE VHSDP. G. RAINBOW BOULEVARD NW IS NOT INTENDED TO ACCEPT RUNOFF

FROM THE DEVELOPED TRACT C-1. H. THERE ARE NO DPM DESIGN VARIANCES REQUIRED BY THIS PROJECT. 1. SEPARATE SUBMITTALS FOR THE ELEMENTARY SCHOOL, SOCCER FIELD COMPLEX AND MIDDLE SCHOOL CONSTRUCTION WILL BE REQUIRED FOR

J. A SEPARATE FENCING PLAN WILL BE PREPARED TO CONTROL ACCESS TO TRACTS C-1 AND C-2

ENGINEER'S 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, DRAINED AND CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 10-12-2007 AND REVISED 11-28-2007 WITH THE

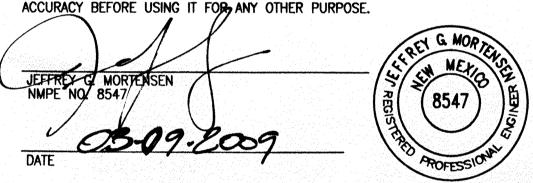
1. THE STOCKPILED SOIL AND ROCK LOCATED ON THE CENTER PORTION OF THE SITE MUST BE REMOVED AND DISPOSED OF PROPERLY ONSITE PRIOR TO FINAL ACCEPTANCE BY THE OWNER AND ISSUANCE OF A PERMANENT CERTIFICATE OF OCCUPANCY FOR THE TIERRA ANTIGUA ELEMENTARY SCHOOL

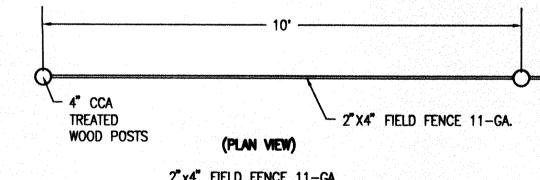
2. THE OFFSITE AREAS DISTURBED ON TRACT C-2, ANCIENT MESA, MUST BE RESTORED AND REVEGETATED PRIOR TO FINAL ACCEPTANCE BY THE OWNER AND ISSUANCE OF A PERMANENT CERTIFICATE OF OCCUPANCY FOR THE TIERRA ANTIGUA ELEMENTARY SCHOOL

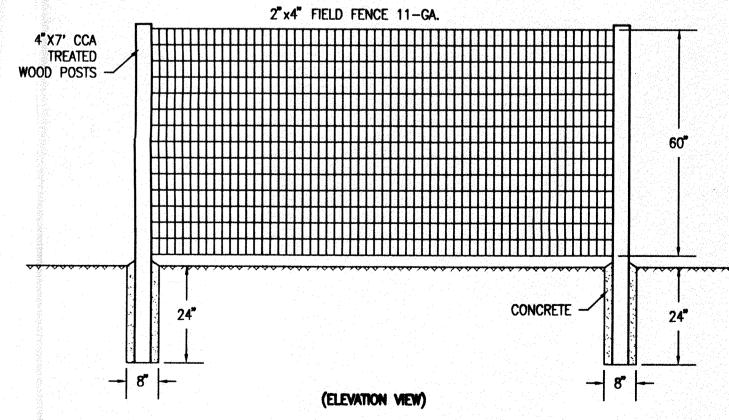
3. THE PERMANENT PERIMETER FENCING OF THE ENTIRE TRACT C-2 MUST BE COMPLETED PRIOR TO ISSUANCE OF A PERMANENT CERTIFICATE OF OCCUPANCY FOR THE TIERRA ANTIGUA ELEMENTARY SCHOOL

THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS EITHER BEEN OBTAINED BY ME OR UNDER MY DIRECT SUPERVISION AS SUPPLEMENTAL SITE DATA COMBINED WITH RECORD INFORMATION OBTAINED FROM THE AS-BUILT SURVEY PERFORMED 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 TO DOCUMENT COMPLETION OF THE IMPROVEMENTS AS IDENTIFIED ON THIS APPROVED PLAN FOR THE OWNER AND IN SUPPORT OF ISSUANCE OF A TEMPORARY CERTIFICATE OF OCCUPANCY FOR THE TIERRA ANTIGUA ELEMENTARY SCHOOL.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECT 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







COMPLETE A Z TYPICAL FIELD FENCE DETAILS (FOR INFORMATION ONLY) - PENDING

CONSTRUCTION NOTES

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - 1986, UPDATE 7, INCLUDING AMENDMENT 1 2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL

SYSTEM, 260-1990 FOR LOCATION OF EXISTING UTILITIES. 3. IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY

ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, size, or type of existing utility lines, pipelines, or underground utility lines. This investigation IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFORE. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCA

ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES. 4. SHOULD A CONFLICT EXIST BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY FOR ALL PARTIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INTERPRETATIONS

IT MAKES WITHOUT FIRST CONTACTING THE ENGINEER AS REQUIRED ABOVE. 5. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION. 6. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND

LOCAL LAWS, RULES AND REGULATIONS CONCERNING SAFETY AND HEALTH. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO

8. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET WHEN APPLICABLE, THE CONTRACTOR SHALL SECURE "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING

CONSTRUCTION. AN EXCAVATION PERMIT IS REQUIRED FOR ALL WORK WITHIN PUBLIC RIGHT-OF-WAY. 10. A DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL (CONTAMINATED OR OTHERWISE), ASPHALTIC PAVING, CONCRETE PAVING, ETC. SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE REGULATIONS. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND IN HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT SHALL BE MADE.

11. A BORROW SITE FOR IMPORT MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE REGULATIONS. ALL COSTS INCURRED IN OBTAINING A BORROW SITE AND IN HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION. THEREFORE, NO SEPARATE PAYMENT SHALL BE MADE. 12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAFELY OBTAINING THE REQUIRED COMPACTION. THE CONTRACTOR

SHALL SELECT AND USE METHODS WHICH SHALL NOT BE INJURIOUS OR DAMAGING TO THE EXISTING FACILITIES AND STRUCTURES WHICH SURROUND THE WORK AREAS. 13. THE CONTRACTOR SHALL CONFINE HIS WORK WITHIN THE CONSTRUCTION LIMITS IN ORDER TO PRESERVE THE EXISTING IMPROVEMENTS AND SO AS NOT TO INTERFERE WITH THE OPERATIONS OF THE EXISTING FACILITIES.

14. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

15. ALL FILL SHALL BE COMPACTED TO A MINIMUM OF 95% ASTM D-1557 UNLESS A GREATER COMPACTION REQUIREMENT IS OTHERWISE SPECIFIED.

16. ALL EXISTING UTILITIES ENCOUNTERED WITHIN THE WORK LIMITS SHALL BE ADJUSTED TO GRADE AND SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.

17. MAXIMUM UNPROTECTED SLOPES SHALL BE 3:1 18. ROUGH GRADING TOLERANCES SHALL BE \pm 0.33 FT.

19. UNDER FEDERAL LAW, THE OPERATOR(S) OF CONSTRUCTION SITES WHERE 1 OR MORE ACRES ARE DISTURBED MUST SUBMIT A NOTICE OF INTENT (N.O.I.) TO OBTAIN COVERAGE UNDER AN NPDES STORM WATER CONSTRUCTION GENERAL PERMIT.

20. WHEN APPLICABLE CONTRACTOR SHALL SECURE "TOPSOIL DISTURBANCE PERMIT" FROM THE CITY AND FILE AN N.O.I. WITH THE EPA PRIOR TO BEGINNING CONSTRUCTION.

21. CAUTION: THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926, SUBPART P-EXCAVATIONS.

RECORD DRAWING

, JEFFREY G. MORTENSEN, NMPE 8547, OF THE FIRM HIGH MESA CONSULTING GROUP,

THE APPROVED PLAN DATED 10-12-2007 AND REVISED 11-28-2007. THE EXCEPTIONS

SITE HAS BEEN REMOVED AND DISPOSED OF PROPERLY ONSITE IN

CONJUNCTION WITH THE CONSTRUCTION OF THE SOCCER COMPLEX

THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN

PERFORMED 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

OBTAINED BY ME OR UNDER MY DIRECT SUPERVISION AS SUPPLEMENTAL SITE DATA

OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED TO DOCUMENT

COMPLETION OF THE IMPROVEMENTS AS IDENTIFIED ON THIS APPROVED PLAN FOR THE OWNER AND IN SUPPORT OF ISSUANCE OF A PERMANENT CERTIFICATE OF OCCUPANCY FOR THE TIERRA ANTIGUA ELEMENTARY SCHOOL, THE APS SOCCER

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND

INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE

ASPECT OF THIS MASS GRADING AND SITE PREPARATION PROJECT. THIS CERTIFICATION

(3) STAND ALONE PROJECTS CITED ABOVE NOR DOES IT 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. SEPARATE SITE SPECIFIC

Drainage certifications are also required in support of the issuance of A PERMANENT CERTIFICATE OF OCCUPANCY FOR TIERRA ANTIGUA ELEMENTARY SCHOOL,

DOES NOT ADDRESS SITE SPECIFIC ASPECTS OF GRADING AND DRAINAGE FOR THE THREE

COMBINED WITH RECORD INFORMATION OBTAINED FROM THE AS-BUILT SURVEY

2. THE OFFSITE AREAS DISTURBED ON TRACT C-2, ANCIENT MESA, HAVE BEEN

THE PERMANENT PERIMETER FENCING OF THE ENTIRE TRACT C-2 HAS BEEN

THE STOCKPILED SOIL AND ROCK LOCATED ON THE CENTER PORTION OF THE

NOTED BY THE CERTIFICATION DATED 03-09-2009 HAVE BEEN ADDRESSED AS FOLLOWS

HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED, DRAINED AND CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF

ENGINEER'S CERTIFICATION FOR PERMANENT CERTIFICATE OF OCCUPANCY

RESTORED AND REVEGETATED

COMPLEX, AND TONY HILLERMAN MIDDLE SCHOOL

22. FENCING ALONG THE COMMON PROPERTY LINE BETWEEN TRACTS C-1 AND C-2 REQUIRED TO PREVENT DISTURBING TRACT C-2 BY PROPOSED GRADING ACTIVITIES. COORDINATION BETWEEN GRADING AND FENCING CONTRACTORS REQUIRED. TO FACILITATE CONSTRUCTION ACCESS TO THE TWO SPECIFIC AREAS OF OFFSITE GRADING AS DELINEATED ON SHEET 5.

LEGEND

CVG

18" BASALT RIP-RAP (D₅₀ =12")

GENERATED BY ONSITE

GRADING CONSTRUCTION

#4 REBARS CONT., TYP.

3" CLR. MIN. TYP. ----

WITH FOOTING

#4 REBARS @ 12" O.C. TYP.

4000 PSI CONCRETE WALL

COMPACT SUBGRADE TO 95% A.S.T.M.

D-1557 TO A DEPTH OF 8" (MIN.)

TOP OF GRATE TOP OF CURB TOP OF ASPHALT PAVEMENT ASPHALT LIP ASPHALT PIN CURB CURB AND GUTTER CONCRETE CURB CENTERLINE CONC CONCRETE CURB RETURN CONCRETE VALLEY GUTTER EDGE OF ASPHALT END OF ASPHALT PAVING ELECTRIC METER UNDERGROUND GAS LINE BY UTILITY WARNING MARKER GRAVEL MANHOLE PIPE GATE ROCK AREA SANITARY SEWER STANDARD TOP OF ASPHALT TOP OF CURB TRAFFIC CONTROL BOX TOP OF CONCRETE TOP OF SLOPE STORM INLET FILLED WITH VEGETATION AND SERVICE POLE WATER VALVE BOX CONIFEROUS TREE

UTILITY WARNING MARKER **25.41** PROPOSED SPOT ELEVATION EXISTING FLOWLINE ELEVATION PROPOSED CONTOUR EXISTING CONTOUR

TYPICAL WEIR WALL SECTION

SCALE: 1'' = 2' - 0''

PROPOSED FLOWLINE NEW BUILDING ENVELOPE

RIGHT OF WAY LINE ----PUBLIC EASEMENT LINE

> PROPOSED CONCRETE PROPOSED ASPHALT

M. A. TERRES

ARCHENT MICHA

PANEL 111 OF 825

11/19/2003

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

ELEVATION = 5414.95 FEET (NGVD 1929)

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)

DESCRIPTION

DRAINAGE PLAN. CONSTRUCTION NOTES.

LEGAL DESCRIPTION

SITE LOCATED WITHIN SECTION 16, TOWNSHIP 11 NORTH, RANGE 2 EAST, N.M.P.M.

VICINITY MAP, F.I.R.M.,

INDEX OF DRAWINGS

SECTIONS. INDEX OF DRAWINGS MASS GRADING PLAN - EAST MASS GRADING PLAN - CENTER

MASS GRADING PLAN - WEST NOV 1 0 2009

MASS GRADING PLAN -OUTFALL LOCATIONS -TRACT C-2

DRAINAGE OUTFALL SITE PLANS -

THIS IS NOT A BOUNDARY SURVEY; DATA IS SHOWN FOR ORIENTATION ONLY. THE BOUNDARY INFORMATION DEPICTED BY THIS PLAN IS BASED UPON THE BOUNDARY SURVEY PREPARED BY HIGH MESA CONSULTING GROUP (FORMERLY JEFF MORTENSEN AND ASSOC., INC.), NMPS NO. 11184, DATED JANUARY, 2007 TOPOGRAPHIC INFORMATION IS BASED UPON A TOPOGRAPHIC SURVEY PREPARED BY HIGH MESA CONSULTING GROUP (FORMERLY JEFF MORTENSEN AND ASSOC., INC.) DATED SEPTEMBER, 2007, NMPS NO. 11184.



2006.187.6

REVISIONS 2-09 JGM DRAINAGE CERTIFICATION FOR TEMP. C.O. 10-2007 9 11-04 JSM DRAINAGE CERTIFICATION FOR PERM. C.O.

HYDROLOGY

SECTION

G. MORTENSEN, INMPE 8547

THE APS SOCCER COMPLEX AND TONY HILLERMAN MIDDLE SCHOOL

MASS GRADING PLAN - TRACT C-1, ANCIENT MESA DRAINAGE PLAN, CONSTRUCTION NOTES, VICINITY MAP, F.I.R.M., SECTIONS, INDEX OF DRAWINGS NORTHWEST EDUCATION CORRIDOR

ORIGINAL SIGNED BY JEREMY HOOVER DATED 10/18/07 CITY HYDROLOGY MESA\Consulting Group

APPROVED FOR ROUGH GRADING:

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

APPROVED BY J.G.M.

