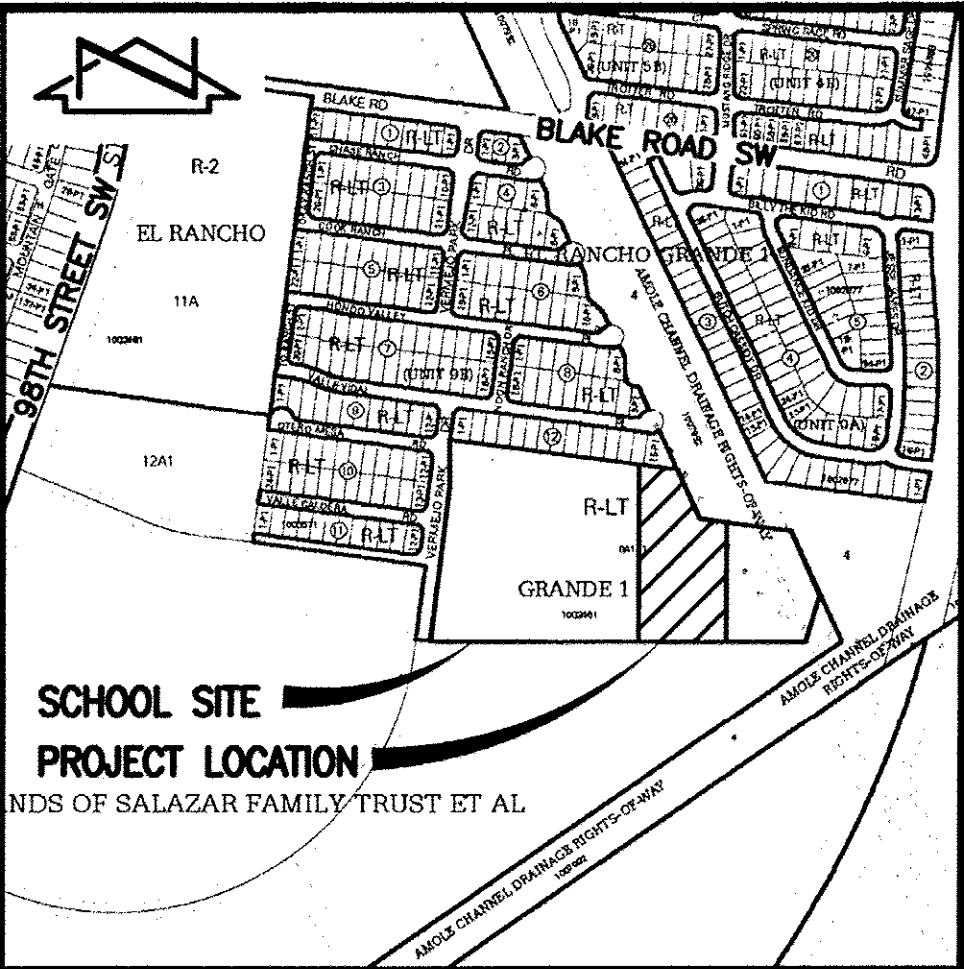


CONSTRUCTION NOTES:

1. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM 260-1990 (ALBUQUERQUE AREA), 1-800-321-ALERT(2537) (STATEWIDE), FOR LOCATION OF EXISTING UTILITIES.
2. 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. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INTERPRETATIONS IT MAKES WITHOUT FIRST CONTACTING THE ENGINEER AS REQUIRED ABOVE.
3. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
4. ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.
5. 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 THEREFOR. 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 LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.

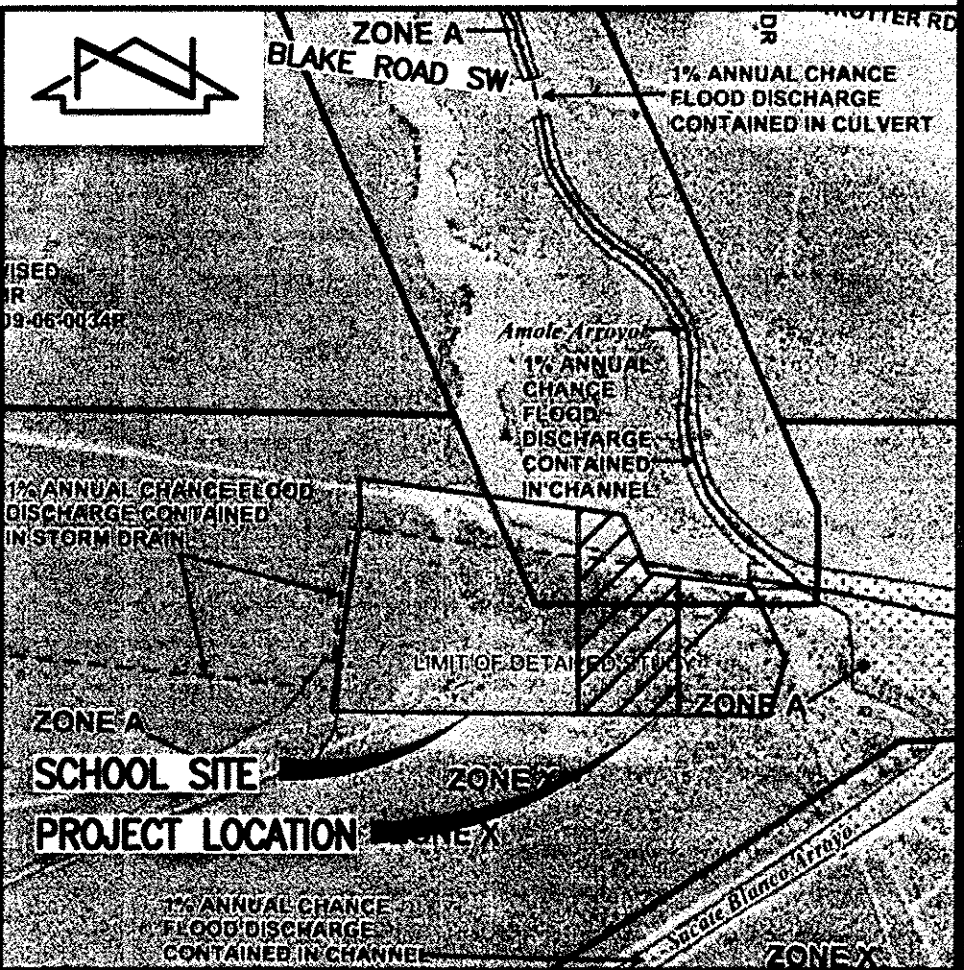
EROSION CONTROL MEASURES:

1. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY.
2. 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.
3. WHEN APPLICABLE, CONTRACTOR SHALL SECURE "TOPSOIL DISTURBANCE PERMIT" FROM THE CITY AND/OR FILE A NOTICE OF INTENT (N.O.I.) WITH THE EPA PRIOR TO BEGINNING CONSTRUCTION.
4. UNLESS FINAL STABILIZATION IS OTHERWISE PROVIDED FOR, ANY AREAS OF EXCESS DISTURBANCE (TRAFFIC ACCESS, STORAGE YARD, EXCAVATED MATERIAL, ETC.) SHALL BE RE-SEEDED ACCORDING TO C.O.A. SPECIFICATION 1012 "NATIVE GRASS SEEDING". THIS WILL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.



VICINITY MAP
SCALE: 1" = 750' (APPROX.)

N-09



F.I.R.M.
SCALE: 1" = 500' (APPROX.)

PANEL 336 OF 825
DATED 10/20/2008

LEGAL DESCRIPTION

A PORTION OF TRACT 8-A-1-A-1, EL RANCHO GRANDE I, ALBUQUERQUE, NEW MEXICO.

PROJECT BENCHMARK

ACS 3 1/4" ALUMINUM CAP STAMPED "3-N10", SET FLUSH ON TOP OF CONCRETE CURB IN THE NW CURB RETURN OF UNSER BOULEVARD S.W. AND BLAKE ROAD S.W., LOCATED 25.4 FEET NORTH OF CENTERLINE OF BLAKE ROAD S.W. AND 92.0 FEET WEST OF CENTERLINE OF UNSER BOULEVARD S.W., NOT SHOWN.
ELEVATION = 5036.50 (NAVD 88)

TEMPORARY BENCHMARK (T.B.M.)

A #5 REBAR W/CAP STAMPED "HMC CONTROL NMPS 11184", AS SHOWN ON SHEET 7.
ELEVATION=5041.13 (NAVD 88)

INDEX OF DRAWINGS

- 1 OF 11 SUPPLEMENTAL SITE AND DRAINAGE INFORMATION
2 OF 11 OVERALL PLAN (FOR ORIENTATION)
3 OF 11 DEMOLITION PLAN (FOR EXISTING CONDITIONS)
7 OF 11 GRADING PLAN
8 OF 11 DRAINAGE PLAN AND CALCULATIONS

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

**SUPPLEMENTAL SITE AND DRAINAGE INFORMATION
PORTABLE CLASSROOM INSTALLATIONS - PHASE 2
RUDOLFO ANAYA ELEMENTARY SCHOOL**

DESIGNED BY J.G.M.
DRAWN BY E.J.S.
APPROVED BY J.G.M.

NO.	DATE	BY	REVISIONS

JOB NO. **2011.183.3**
DATE **07-2012**
SHEET **1** OF **1**

CONSTRUCTION NOTES:

1. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM 260-1990 FOR DESIGNATION (LINE-SPOTTING) OF EXISTING PUBLIC UTILITIES AND EXISTING UTILITIES OWNED AND OPERATED BY ALBUQUERQUE PUBLIC SCHOOLS.
2. 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. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INTERPRETATIONS IT MAKES WITHOUT FIRST CONTACTING THE ENGINEER AS REQUIRED ABOVE.
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LEGAL DESCRIPTION:

A PORTION OF TRACT 8-A-1-A-1, EL RANCHO GRANDE I, ALBUQUERQUE, NEW MEXICO

BENCHMARK

PROJECT BENCHMARK

ACS 3 1/4" ALUMINUM CAP STAMPED "3-N10", SET FLUSH ON TOP OF CONCRETE CURB IN THE NW CURB RETURN OF UNSER BOULEVARD S.W. AND BLAKE ROAD S.W., LOCATED 25.4 FEET NORTH OF CENTERLINE OF BLAKE ROAD S.W. AND 92.0 FEET WEST OF CENTERLINE OF UNSER BOULEVARD S.W., NOT SHOWN.
ELEVATION = 5036.50 (NAVD 88)

TEMPORARY BENCHMARK (T.B.M.)

A #5 REBAR W/CAP STAMPED "HMC6 CONTROL NMPS 11184", AS SHOWN ON THIS SHEET.
ELEVATION=5041.13 (NAVD 88)

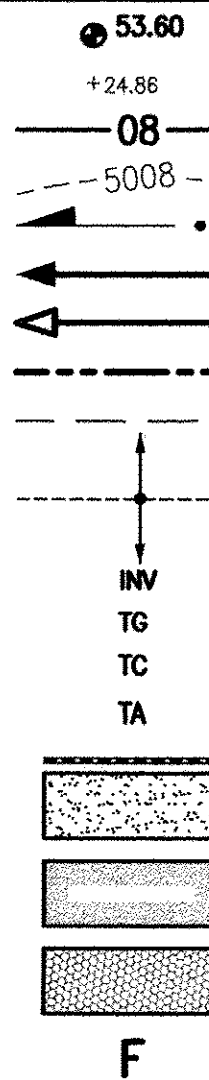
EASEMENT KEYED NOTES

- ① 20' ABCWUA PUBLIC WATER LINE EASEMENT GRANTED BY DOCUMENT FILED 10-22-2008, DOC. #2008114963
- ② 50' PUBLIC STORM SEWER EASEMENT GRANTED BY PLAT 2005C-361

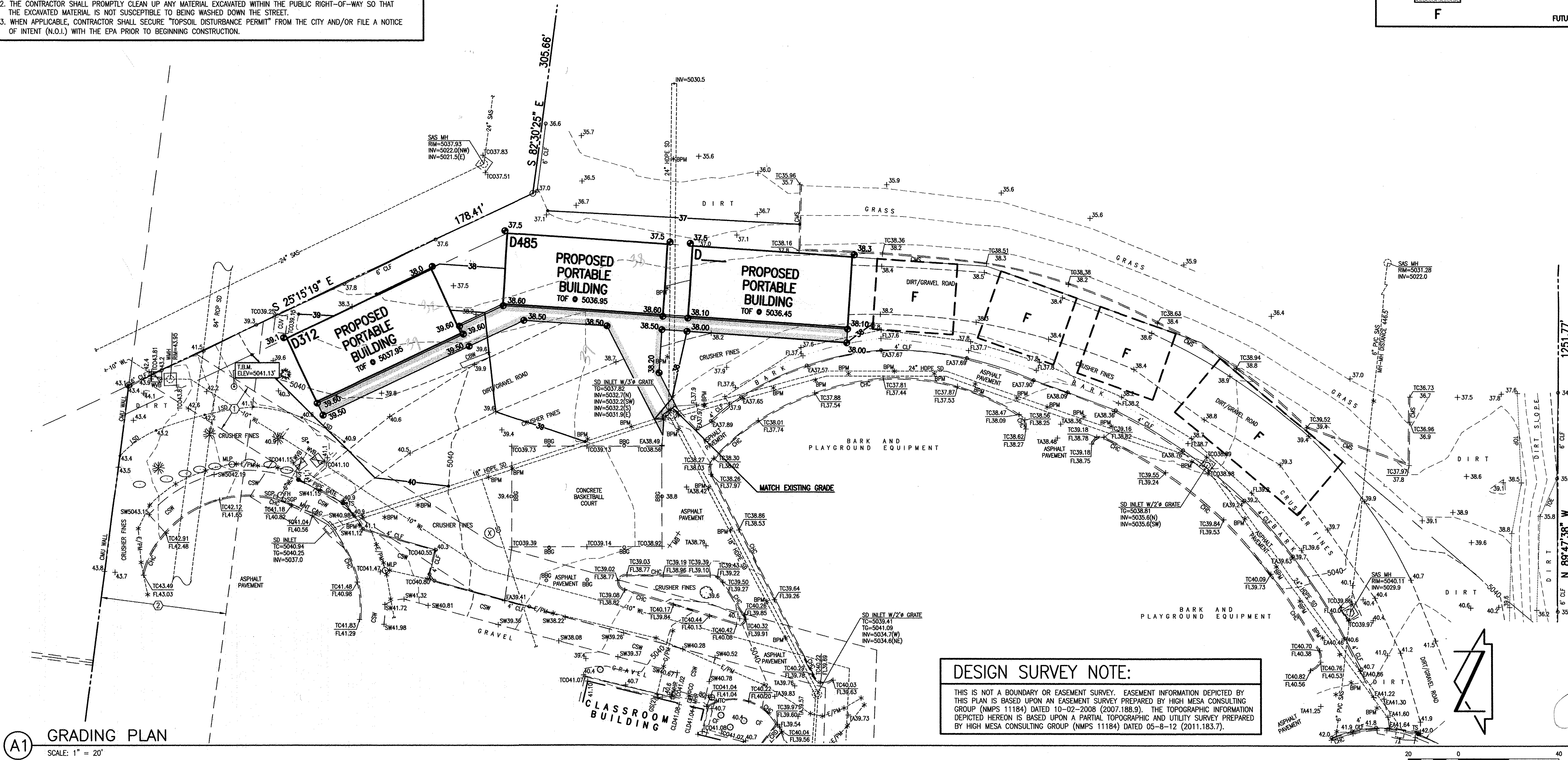
UTILITY KEYED NOTE

- ① HIGH MESA CONSULTING GROUP, APS PROTOTYPE #3, PUBLIC WATER LINE IMPROVEMENTS, OVERALL PUBLIC WATER LINE PLAN, RECORD DRAWING SHEET 3 OF 6, CERTIFIED 02-26-2009.

DESIGN LEGEND



PROPOSED SPOT ELEVATION
EXISTING FLOWLINE ELEVATION
PROPOSED CONTOUR
EXISTING CONTOUR
PROPOSED FLOWLINE
PROPOSED DIRECTION OF FLOW
EXISTING DIRECTION OF FLOW
RIGHT OF WAY LINE
PUBLIC EASEMENT LINE
HIGH POINT
INVERT
TOP OF GRATE
TOP OF CURB
TOP OF ASPHALT PAVEMENT
PROPOSED RETAINING WALL
PROPOSED CONCRETE
PROPOSED ASPHALT PAVING
PROPOSED GRAVEL
FUTURE LOCATION



DESIGN SURVEY NOTE:

THIS IS NOT A BOUNDARY OR EASEMENT SURVEY. EASEMENT INFORMATION DEPICTED BY THIS PLAN IS BASED UPON AN EASEMENT SURVEY PREPARED BY HIGH MESA CONSULTING GROUP (NMPS 11184) DATED 10-02-2008 (2007.188.9). THE TOPOGRAPHIC INFORMATION DEPICTED HEREON IS BASED UPON A PARTIAL TOPOGRAPHIC AND UTILITY SURVEY PREPARED BY HIGH MESA CONSULTING GROUP (NMPS 11184) DATED 05-8-12 (2011.183.7).

A1 GRADING PLAN
SCALE: 1" = 20'

DRAINAGE PLAN:

I. INTRODUCTION AND EXECUTIVE SUMMARY

THIS PROJECT, LOCATED IN THE LOWER SOUTHWEST MESA OF THE ALBUQUERQUE METROPOLITAN AREA, REPRESENTS A MODIFICATION TO AN EXISTING APS SCHOOL SITE WITHIN AN INFILL AREA. THE PROPOSED DEVELOPMENT IS COMPRISED OF THE INSTALLATION OF THREE (3) PORTABLE CLASSROOM BUILDINGS AND LIMITED PAVING IMPROVEMENTS AT THE NORTHEAST PORTION OF THE EXISTING SCHOOL SITE. THE DRAINAGE CONCEPT FOR THIS PROJECT WILL BE THE CONTINUED FREE DISCHARGE OF DEVELOPED RUNOFF TO EXISTING ONSITE PRIVATE STORM DRAINAGE IMPROVEMENTS THAT DISCHARGE TO THE AMOLE CHANNEL ADJACENT TO AND DOWNSTREAM OF THE SITE. THE AMOLE CHANNEL AT THIS LOCATION IS OWNED, OPERATED AND MAINTAINED BY AMAFCA.

THIS SUBMITTAL IS MADE IN SUPPORT OF FOUNDATION, GRADING AND PAVING PERMITS WITHIN THE JURISDICTION OF THE CITY OF ALBUQUERQUE.

II. PROJECT DESCRIPTION

AS SHOWN BY THE VICINITY MAP, THE SCHOOL SITE IS LOCATED ON THE EAST SIDE OF VERMEJO PARK DRIVE SW SOUTH OF BLAKE ROAD SW AND WEST AND SOUTH OF THE AMOLE CHANNEL. THE CURRENT LEGAL DESCRIPTION IS TRACT 8-A-1-A-1, EL RANCHO GRANDE I. AS SHOWN BY PANEL 336 OF 825 OF THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAPS PUBLISHED BY FEMA FOR BERNALILLO COUNTY, NEW MEXICO, REVISED OCTOBER 20, 2008, THIS SITE DOES NOT LIE WITHIN A DESIGNATED FLOOD HAZARD ZONE. THE SITE DOES, HOWEVER, DISCHARGE TO A DESIGNATED FLOOD HAZARD ZONE ASSOCIATED WITH THE AMOLE CHANNEL WHERE THE 100-YEAR FLOOD DISCHARGE IS CONTAINED IN THE CHANNEL.

III. BACKGROUND DOCUMENTS

THE PREPARATION OF THIS PLAN RELIED UPON THE FOLLOWING DOCUMENTS AND ACTIVITIES:

- PREDESIGN CONFERENCE RECAP DATED 5-31-05 CONDUCTED WITH HIGH MESA CONSULTING GROUP (FORMERLY JEFF MORTENSEN & ASSOCIATES, INC.). THE RECAP ALLOWED FOR THE FREE DISCHARGE OF DEVELOPED RUNOFF TO THE AMOLE CHANNEL PROVIDED ADEQUATE DOCUMENTATION WAS PROVIDED.
- MASTER DRAINAGE PLAN (MDP) FOR TRACT 8-A-1-A, EL RANCHO GRANDE ELEMENTARY SCHOOL (AKA RUDOLFO ANAYA ELEMENTARY SCHOOL) PREPARED BY HIGH MESA CONSULTING GROUP (NMPE 13676) DATED 07/09/2007. THIS REFERENCED PLAN ESTABLISHED FREE DISCHARGE TO THE AMOLE CHANNEL AT A MAXIMUM ALLOWABLE DISCHARGE RATE OF 57 CFS AS REGULATED BY THE EXISTING 36" RCP OUTLET TO THE AMOLE CHANNEL.
- GRADING AND DRAINAGE PLAN FOR PROTOTYPE ELEMENTARY SCHOOL BID LOT NO. 3 (AKA RUDOLFO ANAYA ELEMENTARY SCHOOL) PREPARED BY BOHANNAN HUSTON INC. (NMPE 16856), (NMPE 16856) AND CERTIFIED 8/14/09. THIS REFERENCE PLAN INDICATES THAT THE SITE HAS BEEN GRADED AND DRAINED IN SUBSTANTIAL COMPLIANCE WITH THE APPROVED PLAN DATED 3-5-08. THE RELEASE OF THE PERMANENT CERTIFICATE OF OCCUPANCY BY HYDROLOGY SUGGESTS THAT THERE ARE NO OUTSTANDING DRAINAGE REQUIREMENTS ON THIS SITE. THIS REFERENCED PLAN ADDRESSES PHASE 1 DEVELOPMENT ONLY AND DOES NOT DEPICT PHASE 2 AND FUTURE PORTABLE CLASSROOM BUILDINGS. THE PLAN ALSO APPEARS TO LACK HYDROLOGIC CALCULATIONS DEMONSTRATING THAT THE DEVELOPED DISCHARGE IS WITHIN THE LIMITS ESTABLISHED BY THE 2007 MDP.
- RECORD PLAN SET CONTAINED IN THE ADMINISTRATIVE OFFICES OF THE ELEMENTARY SCHOOL REVIEWED ON OCTOBER 18, 2010. REVIEW OF THE RECORD DRAWINGS INDICATED THAT THE PROPOSED PROJECT SITE WAS ORIGINALLY INTENDED FOR PORTABLE CLASSROOM BUILDINGS IN RESPONSE TO FUTURE GROWTH.
- PARTIAL TOPOGRAPHIC SURVEY PREPARED BY HIGH MESA CONSULTING GROUP (NMPS 11184) DATED 05-08-2012. THIS REFERENCED SURVEY PROVIDES THE BASIS FOR THE EXISTING CONDITIONS OF THE PROJECT SITE.
- VISUAL SITE INSPECTION CONDUCTED ON APRIL 09, 2012, TO CONFIRM THAT THE DRAINAGE PATTERNS PRESENT ON THE SITE CONVEY RUNOFF FROM THE PROPOSED CONSTRUCTION SITE TO THE 36" RCP OUTLET TO THE AMOLE CHANNEL.
- PHASE 1 PORTABLE CLASSROOM INSTALLATION PLANS PREPARED BY HIGH MESA CONSULTING GROUP (NMPE 8547) DATED JUNE 17, 2011 AND SUBSEQUENTLY CERTIFIED NOVEMBER 03, 2011. THE REFERENCED PLAN ESTABLISHED A PRECEDENT FOR ALLOWING SMALL PROJECTS TO DEVELOP AND DISCHARGE TO THE EXISTING ONSITE PRIVATE DETENTION POND.

IV. EXISTING CONDITIONS

THE PROJECT SITE LIES AT THE NORTHEAST CORNER OF THE SCHOOL SITE. IT CONSISTS OF A DEVELOPED PORTION OF THE SCHOOL SITE COMPRISING LANDSCAPING, A GRAVEL FIRE TRUCK ACCESS, AND PLAYGROUND IMPROVEMENTS. IT IS BOUNDED ON THE NORTH BY RESIDENTIAL DEVELOPMENT, ON THE EAST BY THE AMOLE CHANNEL AND UNDEVELOPED SCHOOL SITE, ON THE SOUTH BY GRAVEL FIRE TRUCK ACCESS AND FUTURE PORTABLE CLASSROOM LOCATIONS, AND ON THE WEST BY EXISTING PLAYGROUND. AT PRESENT, THE PROJECT SITE DRAINS TO ONSITE PRIVATE STORM DRAINAGE IMPROVEMENTS THAT DISCHARGE TO AN ONSITE DETENTION POND THAT OUTLETS TO THE AMOLE CHANNEL PER THE APPROVED MASTER DRAINAGE PLAN REFERENCED ABOVE. THE ABOVE DESCRIBED DRAINAGE PATTERN IS CONSISTENT WITH THE 2008 GRADING AND DRAINAGE PLAN FOR THE PROTOTYPE SCHOOL REFERENCED ABOVE.

THERE ARE NO OFFSITE FLOWS IMPACTING THIS SITE. THE AMOLE CHANNEL LIES TO THE NORTH AND EAST AND IS TOPOGRAPHICALLY LOWER THAN THE PROJECT SITE, THEREFORE IT DOES NOT CONTRIBUTE OFFSITE FLOWS. EXISTING SCHOOL SITE DEVELOPMENT SURROUNDS THE REMAINING SIDES OF THE PROJECT SITE, THEREFORE ELIMINATING THE POSSIBILITY FOR OFFSITE FLOWS.

V. DEVELOPED CONDITIONS

THIS PROJECT CONSISTS OF THE SECOND PHASE OF PORTABLE CLASSROOM BUILDINGS INSTALLATION ON AN EXISTING ELEMENTARY SCHOOL SITE. THE COMPLETED PROJECT WILL CONSIST OF THREE (3) DOUBLE CLASSROOM PORTABLE BUILDINGS. AN ASPHALT PAVED WALKWAY WILL PROVIDE PEDESTRIAN ACCESS TO THE BUILDINGS. CRUSHED ASPHALT BASE COURSE (MILLINGS) WILL BE INSTALLED AROUND THE PERIMETER OF THE BUILDINGS TO MITIGATE EROSION AND TO PROVIDE DISCONNECTED IMPERVIOUS AREA AND MAINTAIN FIRE TRUCK ACCESS. DEVELOPED RUNOFF WILL CONTINUE TO DRAIN TO THE EXISTING ONSITE PRIVATE STORM DRAIN IMPROVEMENTS THAT DISCHARGE TO THE EXISTING ONSITE DETENTION POND AND EVENTUALLY ENTER THE AMOLE CHANNEL, THE OUTFALL FOR THIS SCHOOL SITE.

VI. GRADING PLAN

THE GRADING PLAN SHOWS 1.) EXISTING AND PROPOSED GRADES INDICATED BY SPOT ELEVATIONS AND CONTOURS AT 1'-0" INTERVALS, 2.) THE LIMIT AND CHARACTER OF THE EXISTING AND PROPOSED IMPROVEMENTS, AND 3.) CONTINUITY BETWEEN EXISTING AND PROPOSED GRADES. AS SHOWN BY THIS PLAN, THE PROPOSED GRADING WILL MAINTAIN THE CURRENT DRAINAGE PATTERN OF DISCHARGE TO THE EXISTING ONSITE DETENTION POND. FROM THIS POINT, RUNOFF ULTIMATELY DISCHARGES TO THE AMOLE CHANNEL, A PUBLIC DRAINAGE FACILITY.

VII. CALCULATIONS

THE CALCULATIONS CONTAINED HEREON ANALYZE THE EXISTING AND DEVELOPED CONDITIONS FOR THE 100-YEAR, 6-HOUR RAINFALL EVENT. THE PROCEDURE FOR 40 ACRE AND SMALLER BASINS, 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. AS DEMONSTRATED BY THESE CALCULATIONS, THE PROPOSED PORTABLE CLASSROOM PARK WILL RESULT IN A NEGLIGIBLE INCREASE IN THE DEVELOPED RUNOFF GENERATED BY THIS PORTION OF THE RUDOLFO ANAYA ELEMENTARY SCHOOL SITE.

VIII. CONCLUSIONS

THE FOLLOWING CONCLUSIONS HAVE BEEN ESTABLISHED AS A RESULT OF THE EVALUATIONS CONTAINED HEREIN:

- THE PROPOSED IMPROVEMENTS WILL MAINTAIN THE EXISTING DRAINAGE PATTERNS OF THIS PORTION OF THE EXISTING ELEMENTARY SCHOOL SITE.
- THE DISCHARGE OF DEVELOPED RUNOFF TO THE EXISTING ONSITE PRIVATE DETENTION POND IS CONSISTENT WITH THE 2008 GRADING AND DRAINAGE PLAN FOR THE SCHOOL SITE AS WELL AS THE 2011 PHASE 1 PORTABLE CLASSROOM PROJECT.
- THE PROPOSED IMPROVEMENTS WILL RESULT IN A NEGLIGIBLE INCREASE IN THE DEVELOPED RUNOFF GENERATED BY THIS SITE.
- THE PROPOSED IMPROVEMENTS WILL NOT ADVERSELY IMPACT DOWNSTREAM PROPERTIES OR DOWNSTREAM DRAINAGE CONDITIONS.

CALCULATIONS:

I. SITE CHARACTERISTICS

A. PRECIPITATION ZONE =				1
B. $P_{100, 6 \text{ HR}} = P_{360} =$				2.20
C. TOTAL PROJECT AREA (A_T) =				26,000 SF 0.60 AC
D. LAND TREATMENTS				
1. EXISTING LAND TREATMENT				
TREATMENT	AREA (SF/AC)		%	
B	2,640 / 0.06		10	
C	20,560 / 0.47		78	
D	2,800 / 0.07		12	
2. DEVELOPED LAND TREATMENT				
TREATMENT	AREA (SF/AC)		%	
B	2,640 / 0.06		10	
C	13,260 / 0.30		51	
D	10,100 / 0.23		39	

II. HYDROLOGY

A. EXISTING CONDITION

1. VOLUME			
$E_w = (E_p A_A + E_p A_B + E_c A_C + E_d A_D) / A_T$			
$E_w = (0.44 * 0.00) + (0.67 * 0.06) + (0.99 * 0.47) + (1.97 * 0.07) / 0.60 =$			
$V_{100, 6 \text{ HR}} = (E_w / 12) A_T = (1.07 / 12) 0.60 =$			
$Q_p = Q_{pA_A} + Q_{pB A_B} + Q_{pC A_C} + Q_{pD A_D}$			
$Q_p = Q_{100} = (1.29 * 0.00) + (2.03 * 0.06) + (2.87 * 0.47) + (4.37 * 0.07) =$			
1.8 CFS			
2. PEAK DISCHARGE			
$Q_p = Q_{pA_A} + Q_{pB A_B} + Q_{pC A_C} + Q_{pD A_D}$			
$Q_p = Q_{100} = (1.29 * 0.00) + (2.03 * 0.06) + (2.87 * 0.30) + (4.37 * 0.23) =$			
2.1 CFS			

B. DEVELOPED CONDITION

1. VOLUME			
$E_w = (E_p A_A + E_p A_B + E_c A_C + E_d A_D) / A_T$			
$E_w = (0.44 * 0.00) + (0.67 * 0.06) + (0.99 * 0.30) + (1.97 * 0.23) / 0.60 =$			
$V_{100, 6 \text{ HR}} = (E_w / 12) A_T = (1.34 / 12) 0.60 =$			
2.900 CF			
2. PEAK DISCHARGE			
$Q_p = Q_{pA_A} + Q_{pB A_B} + Q_{pC A_C} + Q_{pD A_D}$			
$Q_p = Q_{100} = (1.29 * 0.00) + (2.03 * 0.06) + (2.87 * 0.30) + (4.37 * 0.23) =$			
2.1 CFS			

C. COMPARISON

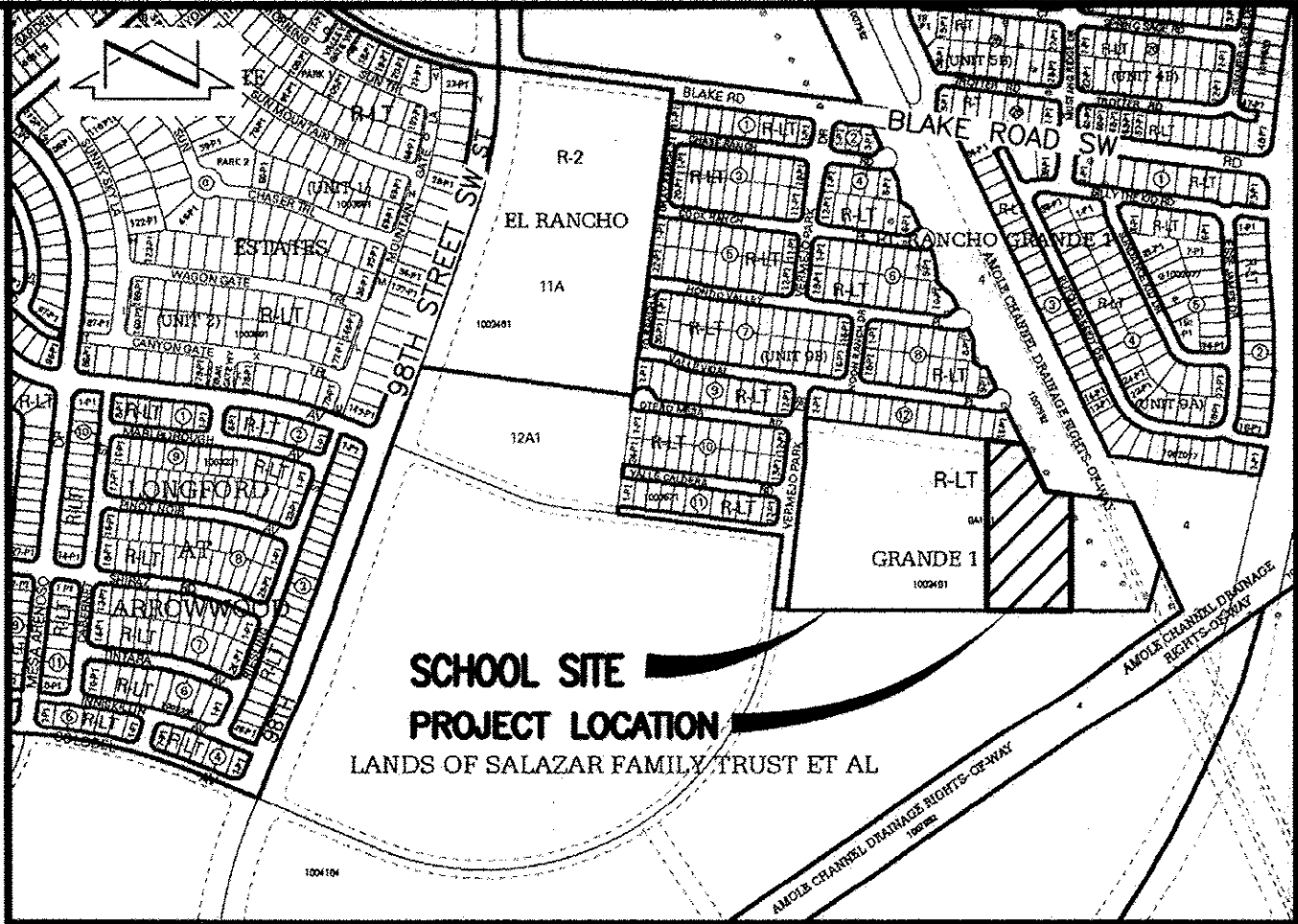
1. VOLUME			
$\Delta V_{100, 6 \text{ HR}} =$	2,900 - 2,340 =	560 CF	(INCREASE)
2. PEAK DISCHARGE			
$\Delta Q_{100} =$	2.1 - 1.8 =	0.3 CFS	(INCREASE)

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EROSION CONTROL MEASURES:

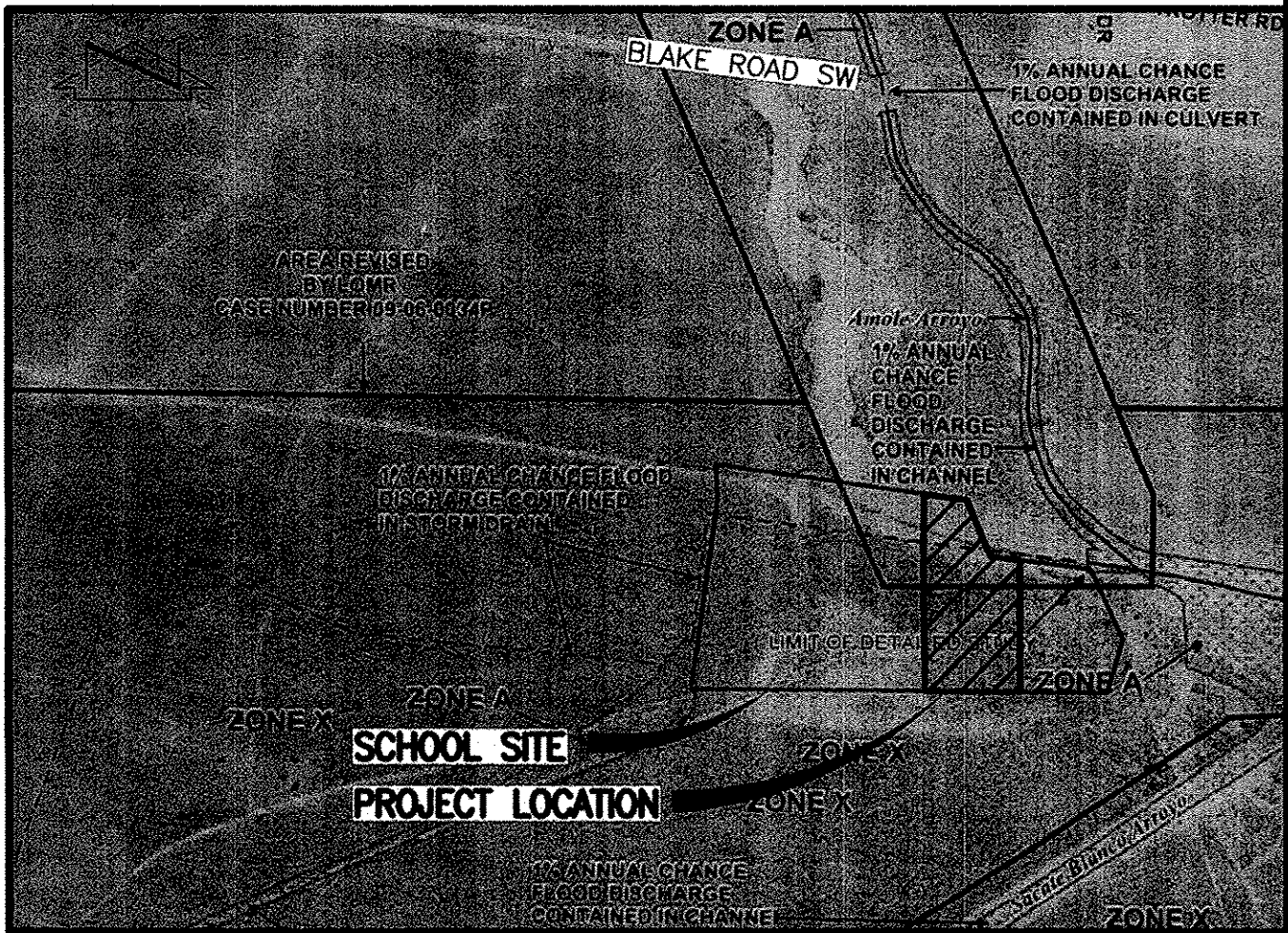
- THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY.
- THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
- WHEN APPLICABLE, CONTRACTOR SHALL SECURE "TOPSOIL DISTURBANCE PERMIT" FROM THE CITY AND/OR FILE A NOTICE OF INTENT (N.O.I.) WITH THE EPA PRIOR TO BEGINNING CONSTRUCTION.



VICINITY MAP

SCALE: 1" = 750'

N-9



SURVEY LEGEND

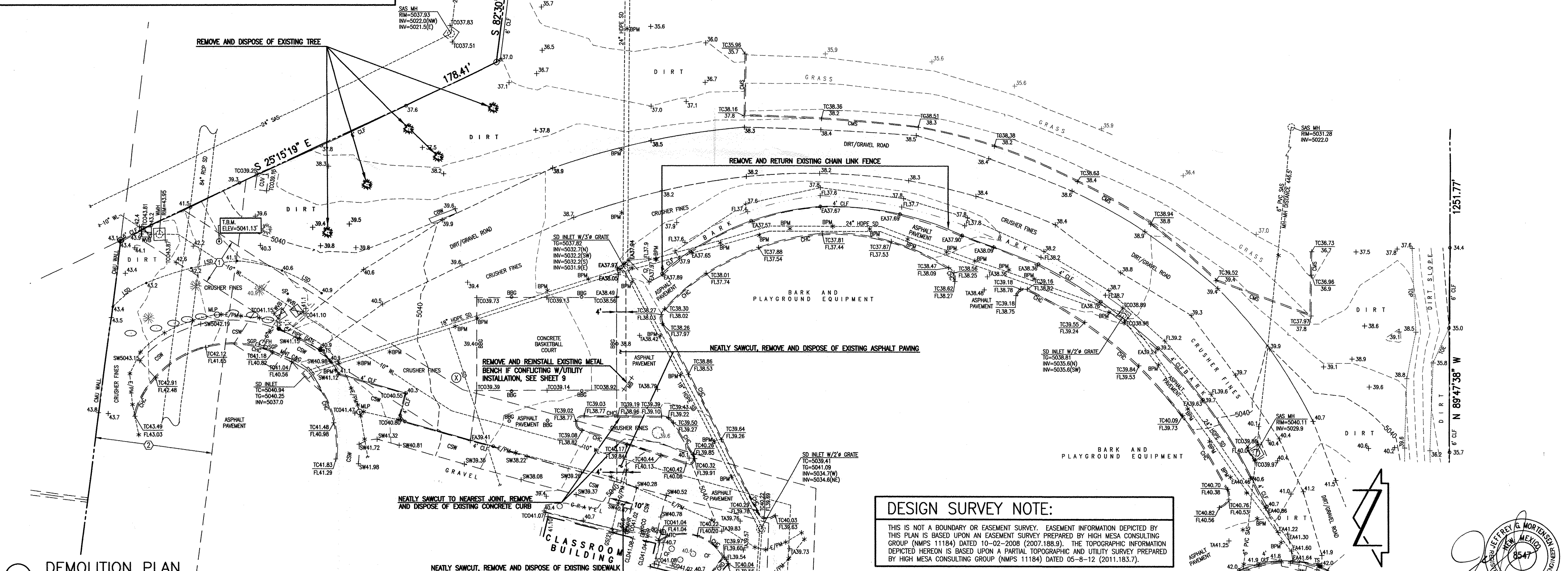
BBC	BASKETBALL GOAL	MLP	METAL LIGHT POLE WITH 2' DIAMETER CONCRETE BASE
BOH	BUILDING OVERHANG	MNT C&G	CONCRETE MOUNTABLE CURB
BPM	STORM DRAIN LINE PAINT MARK	MTC	METAL TRASH CAN
CBW	CONCRETE BARRIER WALL	PVC	POLYVINYL CHLORIDE PIPE
CF	LANDSCAPING CRUSHER FINES	RCP	REINFORCED CONCRETE PIPE
CHC	CONCRETE HEADER CURB	SAS	SANITARY SEWER
CLD	CENTERLINE DOOR	SD	STORM DRAIN
CLDD	CENTERLINE DOUBLE DOOR	SGP	STEEL GUARD POST
CLF	CHAIN LINK FENCE	SP	STEEL POLE (GATE STOP)
CMS	CONCRETE MOW STRIP	SW	SIDEWALK
CMU	CONCRETE MASONRY UNIT WALL	TC	TOP OF CONCRETE
CO	CLEANOUT	TG	TOP OF GRADE
CONC	CONCRETE	TS	TRAFFIC SIGN
CRD	CONCRETE RUNDOWN	WL	WATER LINE
CSW	CONCRETE SIDEWALK	WMH	WATER MANHOLE
CUV	CONCRETE UTILITY VAULT (NOT SPOTTED)	WVB	WATER VALVE BOX
E/PM	ELECTRIC LINE BY PAINT MARK		
FH	FIRE HYDRANT		
FL	FLOWLINE	*	SMALL DECIDUOUS TREE
G/PM	GAS LINE BY PAINT MARK		
GP	GUARD POST	*	SMALL CONIFEROUS TREE
GS	GAS SERVICE		
HDPE	HIGH DENSITY POLYETHYLENE PIPE		
INV	INVERT		
LSD	LANDSCAPE DIVIDER		
MB	METAL BENCH		
MH	MANHOLE		
MHR	METAL HAND RAIL		

EASEMENT KEYED NOTES

- 20' ABCWUA PUBLIC WATER LINE EASEMENT GRANTED BY DOCUMENT FILED 10-22-2008, DOC. #2008114963
- 50' PUBLIC STORM SEWER EASEMENT GRANTED BY PLAT 2005C-361

UTILITY KEYED NOTE

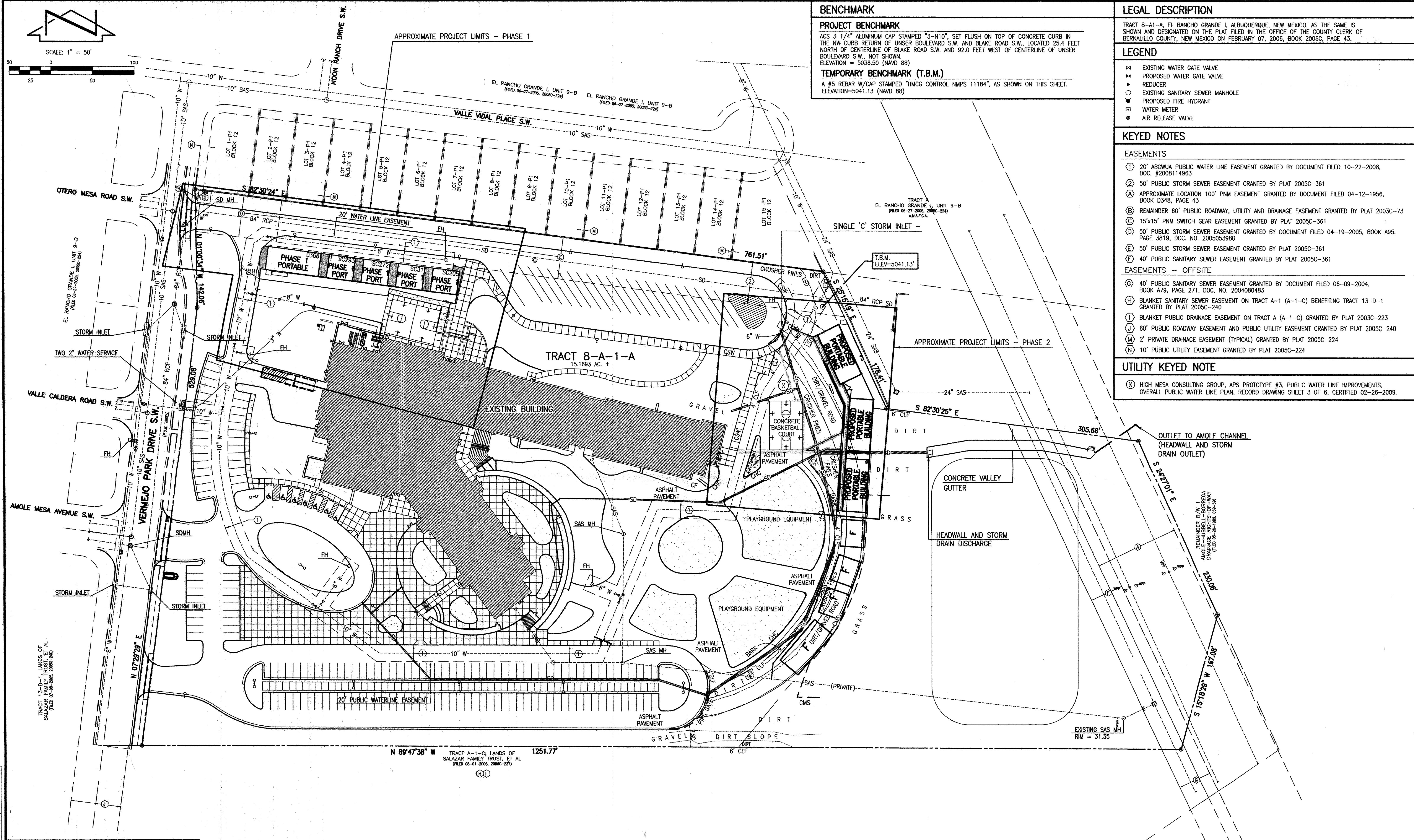
- HIGH MESA CONSULTING GROUP, APS PROTOTYPE #3, PUBLIC WATER LINE IMPROVEMENTS, OVERALL PUBLIC WATER LINE PLAN, RECORD DRAWING SHEET 3 OF 6, CERTIFIED 02-26-2009.



DESIGN SURVEY NOTE:

THIS IS NOT A BOUNDARY OR EASEMENT SURVEY. EASEMENT INFORMATION DEPICTED BY THIS PLAN IS BASED UPON AN EASEMENT SURVEY PREPARED BY HIGH MESA CONSULTING GROUP (NMPS 11184) DATED 10-02-2008 (2007.188.9). THE TOPOGRAPHIC INFORMATION DEPICTED HEREON IS BASED UPON A PARTIAL TOPOGRAPHIC AND UTILITY SURVEY PREPARED BY HIGH MESA CONSULTING GROUP (NMPS 11184) DATED 05-8-12 (2011.183.7).

A1 DEMOLITION PLAN
SCALE: 1" = 20'



BENCHMARK
PROJECT BENCHMARK
ACS 3 1/4" ALUMINUM CAP STAMPED "3-N10", SET FLUSH ON TOP OF CONCRETE CURB IN THE NW CURB RETURN OF UNSER BOULEVARD S.W. AND BLAKE ROAD S.W., LOCATED 25.4 FEET NORTH OF CENTERLINE OF BLAKE ROAD S.W. AND 92.0 FEET WEST OF CENTERLINE OF UNSER BOULEVARD S.W., NOT SHOWN.
ELEVATION = 5036.50 (NAVD 88)
TEMPORARY BENCHMARK (T.B.M.)
A #5 REBAR W/CAP STAMPED "HMC CONTROL NMPS 11184", AS SHOWN ON THIS SHEET.
ELEVATION=5041.13 (NAVD 88)

LEGAL DESCRIPTION
TRACT 8-A1-A, EL RANCHO GRANDE I, ALBUQUERQUE, NEW MEXICO, AS THE SAME IS SHOWN AND DESIGNATED ON THE PLAT FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON FEBRUARY 07, 2006, BOOK 2006C, PAGE 43.

LEGEND
◄ EXISTING WATER GATE VALVE
► PROPOSED WATER GATE VALVE
+ REDUCER
○ EXISTING SANITARY SEWER MANHOLE
* PROPOSED FIRE HYDRANT
⊞ WATER METER
● AIR RELEASE VALVE

KEYED NOTES
EASEMENTS
① 20' ABCWUA PUBLIC WATER LINE EASEMENT GRANTED BY DOCUMENT FILED 10-22-2008, DOC. #2008114963
② 50' PUBLIC STORM SEWER EASEMENT GRANTED BY PLAT 2005C-361
③ APPROXIMATE LOCATION 100' PNM EASEMENT GRANTED BY DOCUMENT FILED 04-12-1956, BOOK D348, PAGE 43
④ REMAINDER 60' PUBLIC ROADWAY, UTILITY AND DRAINAGE EASEMENT GRANTED BY PLAT 2003C-73
⑤ 15'x15' PNM SWITCH GEAR EASEMENT GRANTED BY PLAT 2005C-361
⑥ 50' PUBLIC STORM SEWER EASEMENT GRANTED BY DOCUMENT FILED 04-19-2005, BOOK A95, PAGE 3819, DOC. NO. 2005053980
⑦ 50' PUBLIC STORM SEWER EASEMENT GRANTED BY PLAT 2005C-361
⑧ 40' PUBLIC SANITARY SEWER EASEMENT GRANTED BY PLAT 2005C-361
EASEMENTS - OFFSITE
⑨ 40' PUBLIC SANITARY SEWER EASEMENT GRANTED BY DOCUMENT FILED 06-09-2004, BOOK A79, PAGE 271, DOC. NO. 2004080483
⑩ BLANKET SANITARY SEWER EASEMENT ON TRACT A-1 (A-1-C) BENEFITING TRACT 13-D-1 GRANTED BY PLAT 2005C-240
⑪ BLANKET PUBLIC DRAINAGE EASEMENT ON TRACT A (A-1-C) GRANTED BY PLAT 2003C-223
⑫ 60' PUBLIC ROADWAY EASEMENT AND PUBLIC UTILITY EASEMENT GRANTED BY PLAT 2005C-240
⑬ 2' PRIVATE DRAINAGE EASEMENT (TYPICAL) GRANTED BY PLAT 2005C-224
⑭ 10' PUBLIC UTILITY EASEMENT GRANTED BY PLAT 2005C-224

UTILITY KEYED NOTE
ⓧ HIGH MESA CONSULTING GROUP, APS PROTOTYPE #3, PUBLIC WATER LINE IMPROVEMENTS, OVERALL PUBLIC WATER LINE PLAN, RECORD DRAWING SHEET 3 OF 6, CERTIFIED 02-26-2009.

DESIGN SURVEY NOTE:
THIS IS NOT A SURVEY. DATA IS SHOWN HEREON PRESENTED FOR ORIENTATION ONLY AND TAKEN FROM RECORD DRAWINGS FOR CITY PROJECT NO. 763661 PREPARED BY HIGH MESA CONSULTING GROUP (NMPE 13676) DATED 6/11/2008 (2006.188.2).

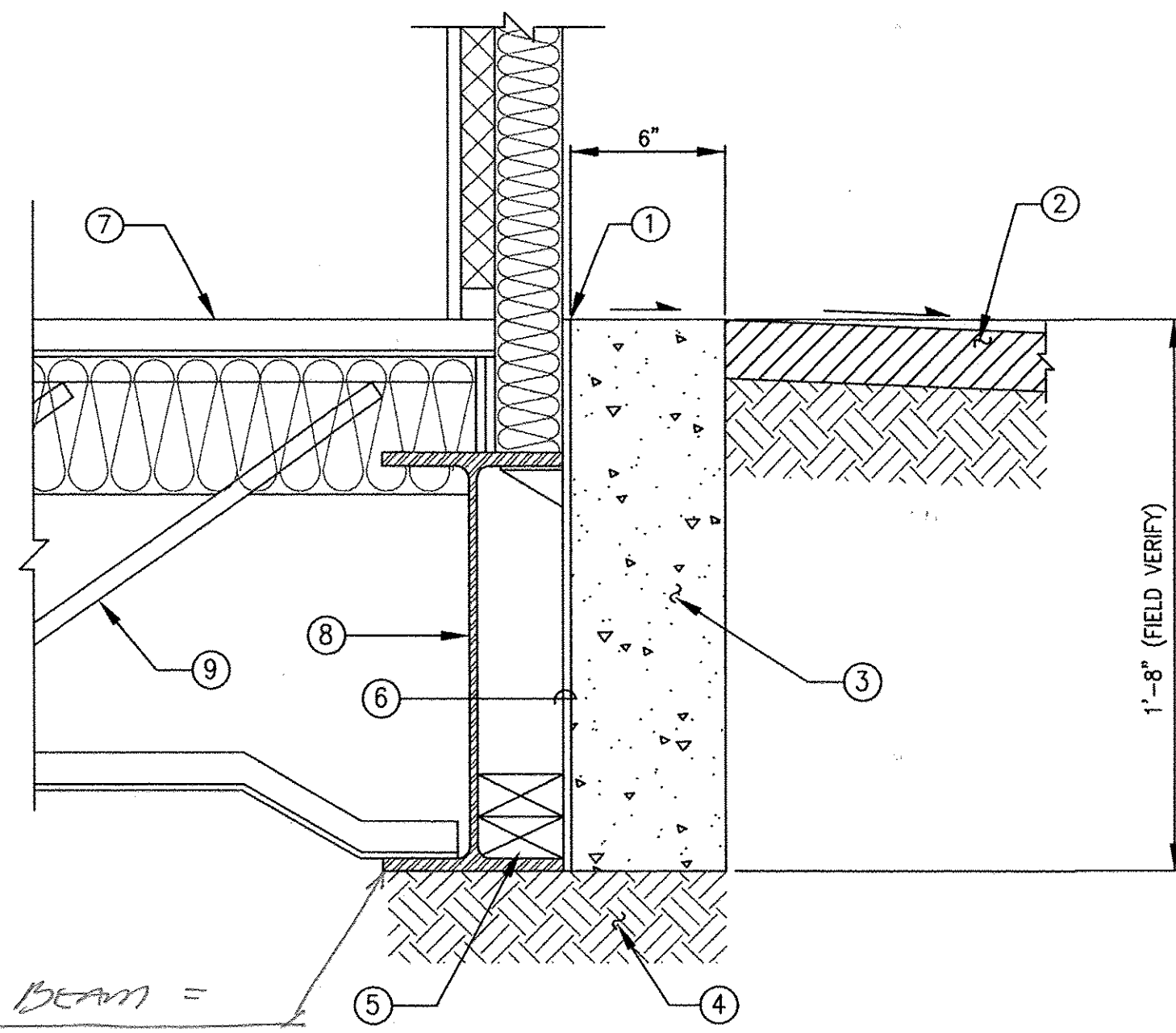
HIGH MESA Consulting Group
6010-B MIDWAY PARK BLVD. NE • ALBUQUERQUE, NEW MEXICO 87109
PHONE: 505.345.4250 • FAX: 505.345.4254 • www.highmesacg.com

OVERALL PLAN (FOR ORIENTATION ONLY)
PORTABLE CLASSROOM INSTALLATIONS-PHASE 2
RUDOLFO ANAYA ELEMENTARY SCHOOL
2800 VERMEJO PARK DRIVE SW

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

NO.	DATE	BY	REVISIONS

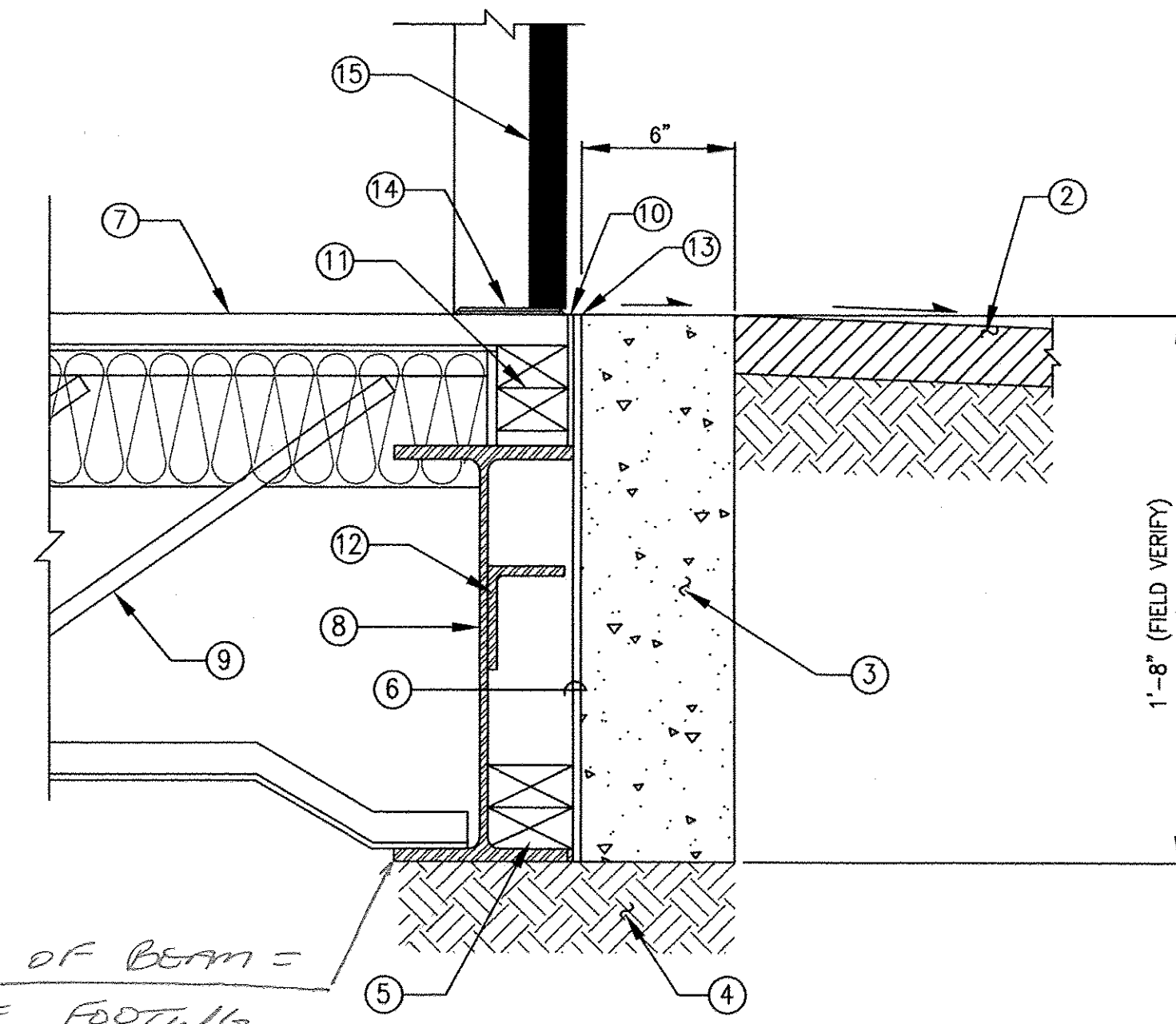
JOB NO.	2011.183.8
DATE	06-2012
SHEET	2 OF 11



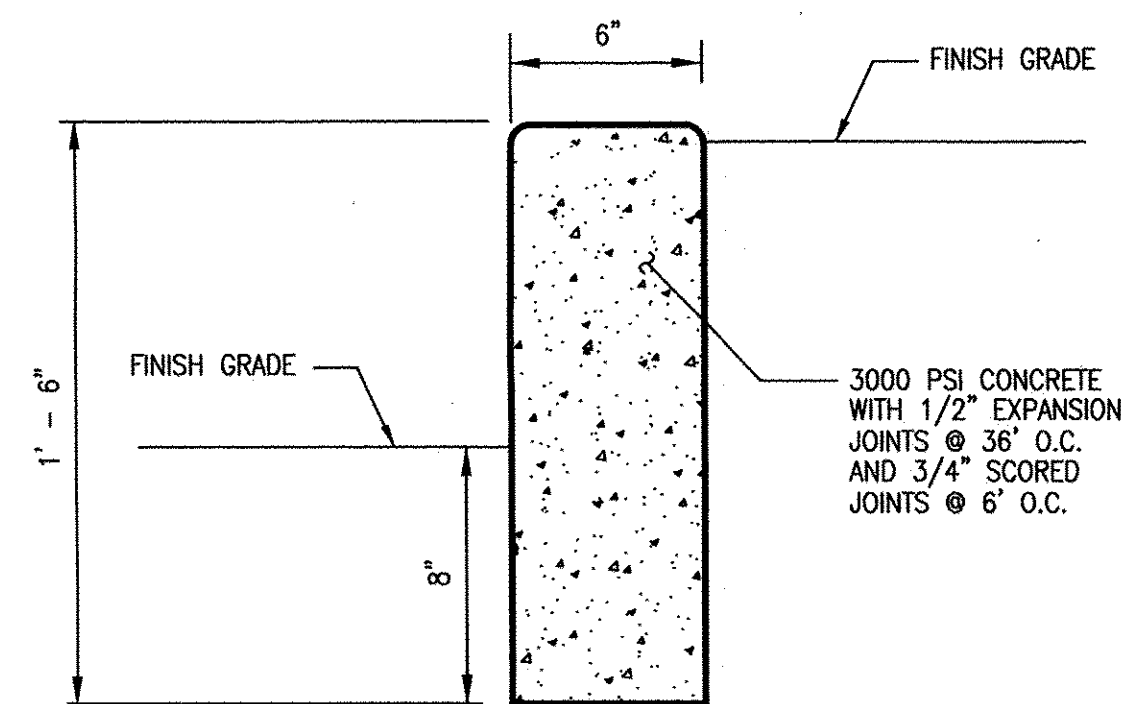
C1 TYPICAL PERIMETER (HEADER) CURB AT BUILDING SECTION
SCALE: 1" = 0'-6"

KEYED NOTES

- ① TOP OF CURB AT OR JUST BELOW FINISHED FLOOR ELEVATION
- ② NEW 3" ASPHALTIC CONCRETE PAVING PER TYPICAL SECTION
- ③ CONSTRUCT 3000 PSI CONCRETE HEADER CURB
- ④ 12" SUBGRADE COMPACTED @ 95% ASTM D-1557 (TYPICAL)
- ⑤ INSTALL 2"x4" WOOD BLOCKING (TREATED)
- ⑥ INSTALL 5/8" (MIN.) CEMENT BOARD AS "LEAVE IN-PLACE" FORM
- ⑦ FINISHED FLOOR ELEVATION
- ⑧ STEEL BEAM, W-16x40 (EXISTING)
- ⑨ STEEL BAR JOIST (EXISTING)
- ⑩ SILL FLASHING (EXISTING)
- ⑪ WOOD BLOCKING (EXISTING)
- ⑫ STEEL ANGLE 4"x3"x3/8" LONG, WELDED TO W16x40 WITH ONE 5/8" DIA. BOLT (EXISTING)
- ⑬ SET TOP OF CURB NOT MORE THAN 3/8" BELOW TOP OF BEVELED THRESHOLD FOR ADA COMPLIANCE
- ⑭ EXISTING THRESHOLD
- ⑮ EXISTING DOOR



C5 TYPICAL PERIMETER (HEADER) CURB AT DOORWAY SECTION
SCALE: 1" = 0'-6"



B1 HEADER CURB
SCALE: 1" = 0'-6"

File Path: P:\DATA\2011\183.8\ENG\ Plot Date: 10-03-2012
File Name: 111838_SH6.DWG Plot Time: 12:22 pm

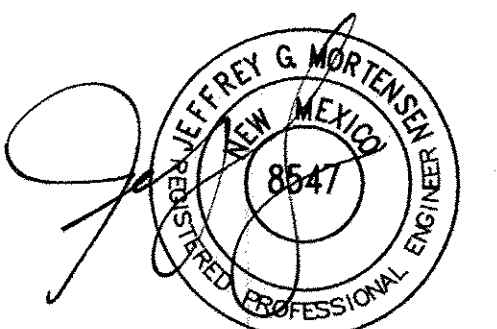
HIGH MESA Consulting Group

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PHONE: 505.345.4250 • FAX: 505.345.4254 • www.highmesacg.com

HEADER CURB SECTIONS
PORTABLE CLASSROOM INSTALLATIONS-PHASE 2
RUDOLFO ANAYA ELEMENTARY SCHOOL
2800 VERMEJO PARK DRIVE SW

DESIGNED BY J.G.M.
DRAWN BY J.Y.R.
APPROVED BY J.G.M.

NO.	DATE	BY	REVISIONS	JOB NO.
				2011.183.8
				DATE
				06-2012
				SHEET
				6 OF 11



07.03.2012