

LEGEND

TBM TEMPORARY BENCHMARK
 FF FINISH FLOOR
 FG FINISH GRADE
 FL FLOWLINE
 TA TOP OF ASPHALT
 TCD TOP OF CONCRETE
 TC TOP OF CURB
 TP TOP OF EARTH PAD
 TS TOP OF SIDEWALK
 TW TOP OF WALL
 FH FIRE HYDRANT
 WM WATER METER
 WV WATER VALVE
 MH MANHOLE
 CB CATCH BASIN GRATE
 GM GAS METER
 GV GAS VALVE
 LP LIGHT POLE
 PP POWER POLE
 GW GUY WIRE
 PED ELEC. OR TEL. PEDESTAL
 RD ROOF DRAINAGE POINT

N/A FEMA FLOODPLAIN BOUNDARY
 A-B DRAINAGE BASIN BOUNDARY
 N/A EROSION SETBACK LINE
 N/A EXISTING CONTOUR
 PROPOSED CONTOUR
 42.22 EXISTING SPOT ELEVATION
 42.22 PROPOSED SPOT ELEVATION
 42.22 RECORD SPOT ELEVATION

KEYED NOTES

- 10" STORM DRAIN
- 12" STORM DRAIN
- 18" STORM DRAIN
- 24" STORM DRAIN
- CATCH BASIN PER DETAIL 5/C3.2
NEENAH GRATE R-4409 OR APPROVED EQUAL
GRADE 50.35, INVERT 48.85
- CATCH BASIN PER DETAIL 5/C3.2
NEENAH GRATE R-4409 OR APPROVED EQUAL
GRADE 50.35, INVERT 48.85
- CATCH BASIN PER DETAIL 5/C3.2
NEENAH GRATE R-4409 OR APPROVED EQUAL
GRADE 49.85, INVERT 48.35
- CATCH BASIN PER DETAIL 5/C3.2
NEENAH GRATE R-4409 OR APPROVED EQUAL
GRADE 49.20, INVERT 47.70
- CATCH BASIN PER DETAIL 5/C3.2
NEENAH GRATE R-4409 OR APPROVED EQUAL
GRADE 47.50, INVERT 46.00
- SINGLE D CATCH BASIN PER COA STD. DWG. 2206
GRADE 32.32, INVERT 29.97
- SINGLE D CATCH BASIN PER COA STD. DWG. 2206
GRADE 35.77
- SINGLE D CATCH BASIN PER COA STD. DWG. 2206
GRADE 44.05, INVERT 40.22
- 4" DIAM. TYPE C MANHOLE PER COA STD. DWG.
2102, RIM 34.00, INVERT 29.61 W/ GRATED LID,
NEENAH R-2255 OR APPROVED EQUAL, 5.14' x 3.84'
- 4" DIAM. TYPE C MANHOLE PER COA STD. DWG.
2101, RIM 42.00, INVERT 37.50
- 4" DIAM. TYPE C MANHOLE PER COA STD. DWG.
2101, RIM 36.00, INVERT 29.08 W/ GRATED LID,
NEENAH R-2255 OR APPROVED EQUAL, 5.14' x 3.84'
- 6" DIAM. TYPE C MANHOLE PER COA STD. DWG.
2101, RIM 37.76, INVERT 27.96 W/ GRATED LID,
NEENAH R-2255 OR APPROVED EQUAL, 5.14' x 3.84'
- 10 FOOT WIDE TRAPEZOIDAL ASPHALT CHANNEL
PER DETAIL 6/C3.2, MATCH ROADWAY GRADE.
- 6 FOOT WIDE BY 3 INCH MAX HIGH ASPHALT
DRAINAGE BAR AT 45° RIGHT FORWARD.
- CATCH BASIN PER DETAIL 5/C3.2
NEENAH GRATE R-4409 OR APPROVED EQUAL
GRADE 47.85, INVERT 46.35
- PLACE SIDEWALK FLUSH WITH EXISTING ASPHALT
DRAIN SIDEWALK TO ASPHALT.
- 30" STORM DRAIN
- CONCRETE PIPE OUTLET WITH RIPRAP, INVERT 27.2
- RETENTION POND

GENERAL NOTES

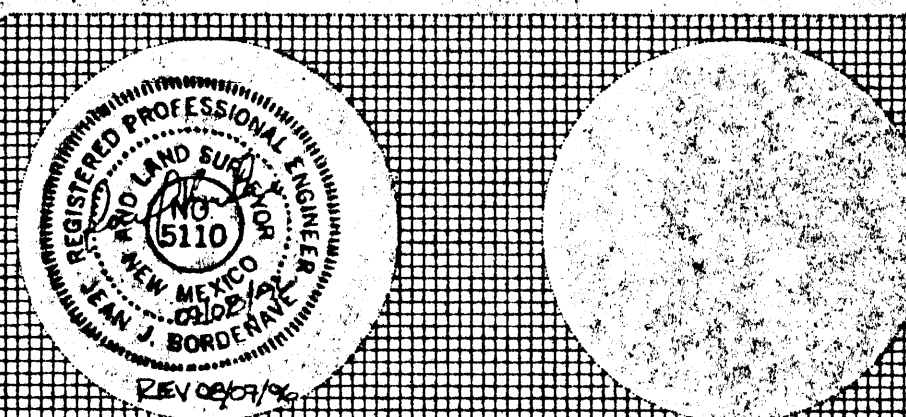
- ALL TOP OF CURB AND TOP OF SIDEWALK
ELEVATIONS SHALL BE SET 6 INCHES ABOVE
ADJACENT TOP OF ASPHALT UNLESS OTHERWISE
SHOWN ON THE GRADING PLAN.
- NEW ASPHALT SHALL BE PLACED TO PROVIDE
A SMOOTH RIDING CONNECTION AND ALLOW FOR
DRAINAGE BETWEEN OLD AND NEW SURFACES.

I, JEAN J. BORDENAVE, HEREBY CERTIFY THAT THE
 AS-BUILT INFORMATION SHOWN ON THIS SHEET WAS
 OBTAINED UNDER MY SUPERVISION AND THAT THE
 AS-BUILT DRAINAGE CONDITIONS ARE IN SUBSTANTIAL
 COMPLIANCE WITH THE APPROVED GRADING
 AND DRAINAGE PLAN.

Jeannette Bordenave August 13, 1997
 JEAN J. BORDENAVE, P.E. & P.S. # 5110

REVISION 1, 07/06/96 REVISE STORM DRAINAGE SYSTEM

Van H. Gilbert Architect, PC
 ARCHITECTURE PLANNING
 519 CENTRAL AVENUE SUITE 201 ALBUQUERQUE, NM 87102 505-247-9955



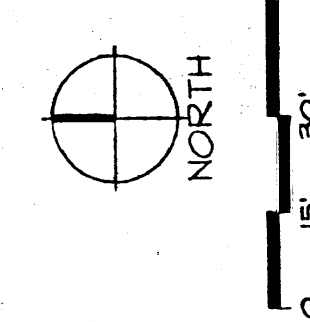
**ALBUQUERQUE
 PUBLIC SCHOOLS**
 MISSION AVENUE ELEMENTARY SCHOOL
 ADDITIONS AND MODIFICATIONS
 1004 408 #419

DATE: 7/2/96 DRN BY: JJB © Copyright 1996
 FILE: SITEGRAD.DWG CHK BY: JJB SOL: 1" = 30'

**SITE GRADING &
 DRAINAGE PLAN** **C31**
 SHEET OF

SITE GRADING AND DRAINAGE PLAN

1/C31
 SCALE 1" = 30'



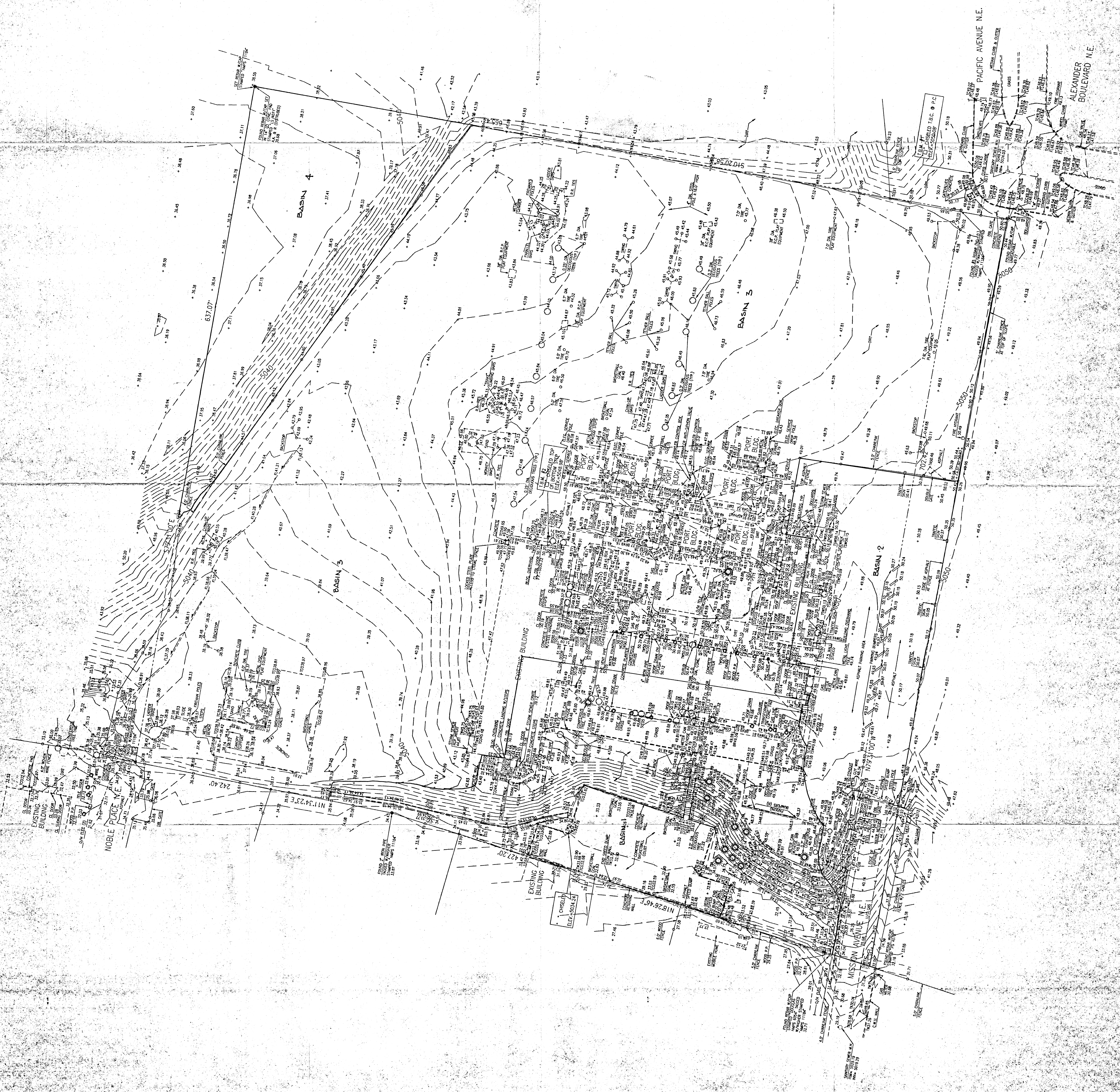
ALBUQUERQUE
PUBLIC SCHOOLS
MISSION AVENUE ELEMENTARY SCHOOL
FILES-CD-DWG DATE: 8-14-95 SCL: 1"=50'-0"

SITE
SURVEY

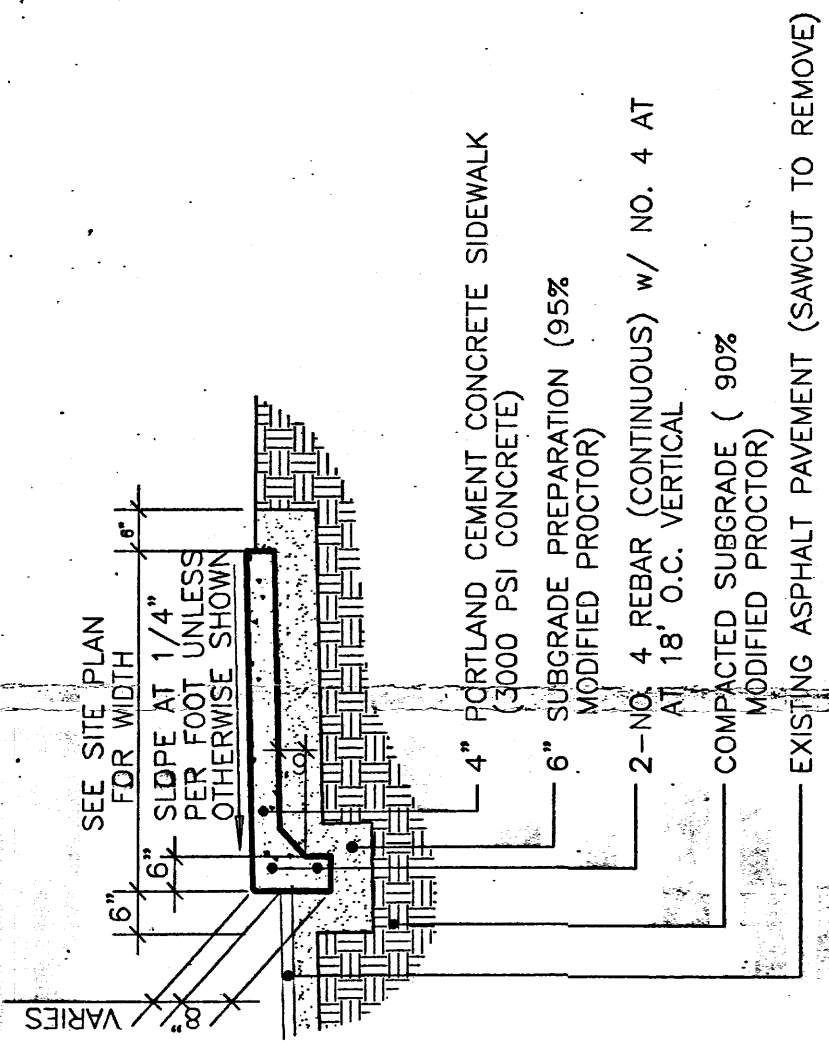
CO.0

EXISTING DRAINAGE BASINS

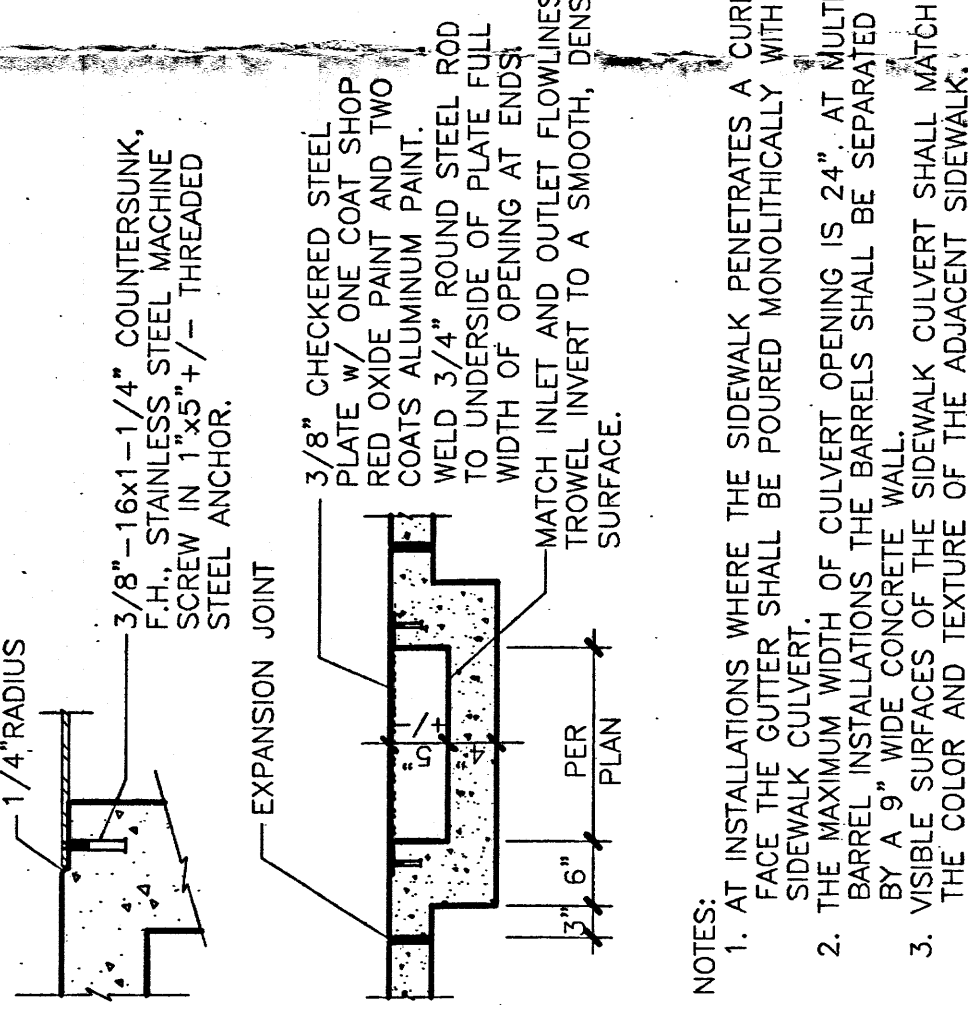
AUG 3 1995



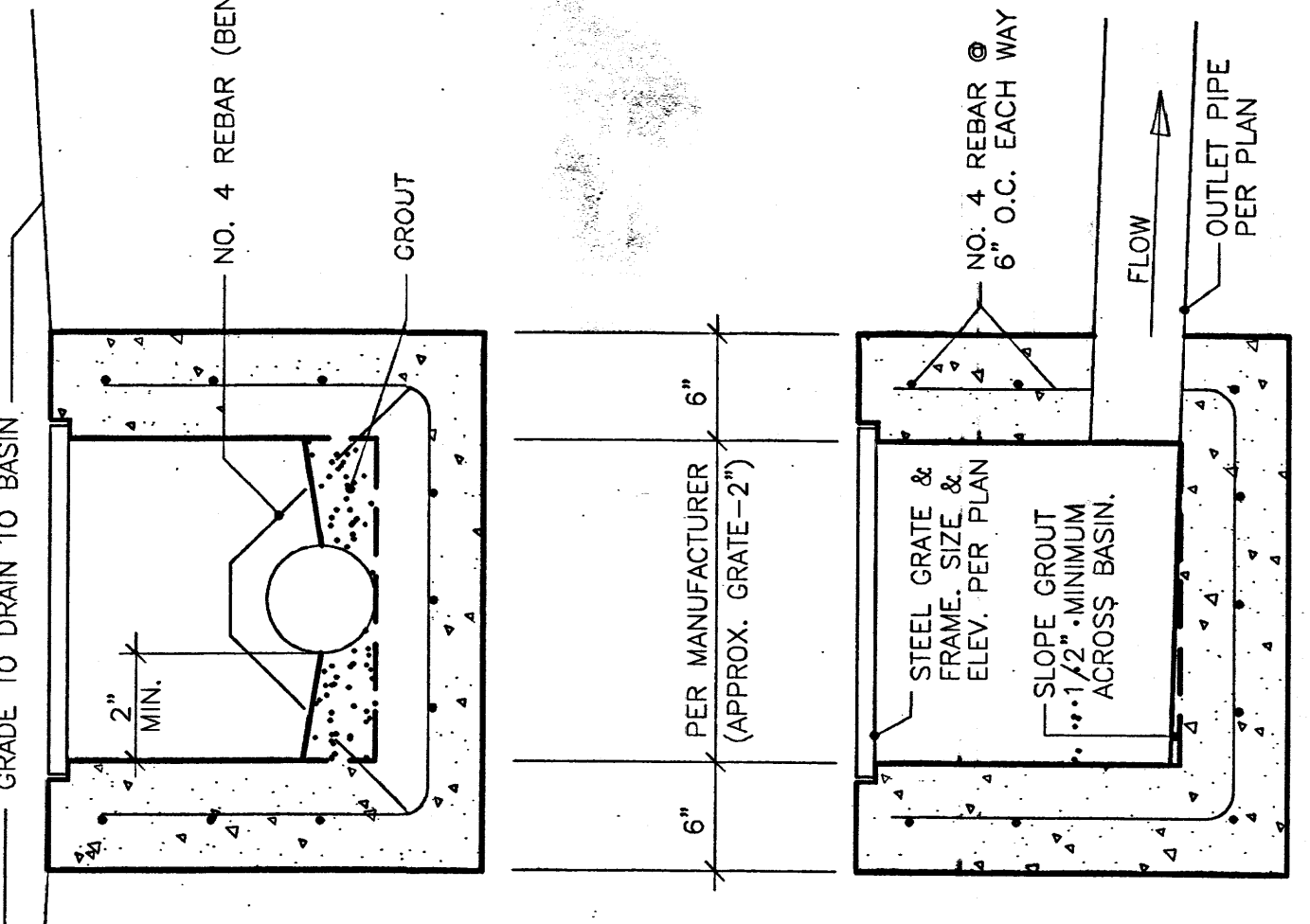
TURNDOWN SIDEWALK



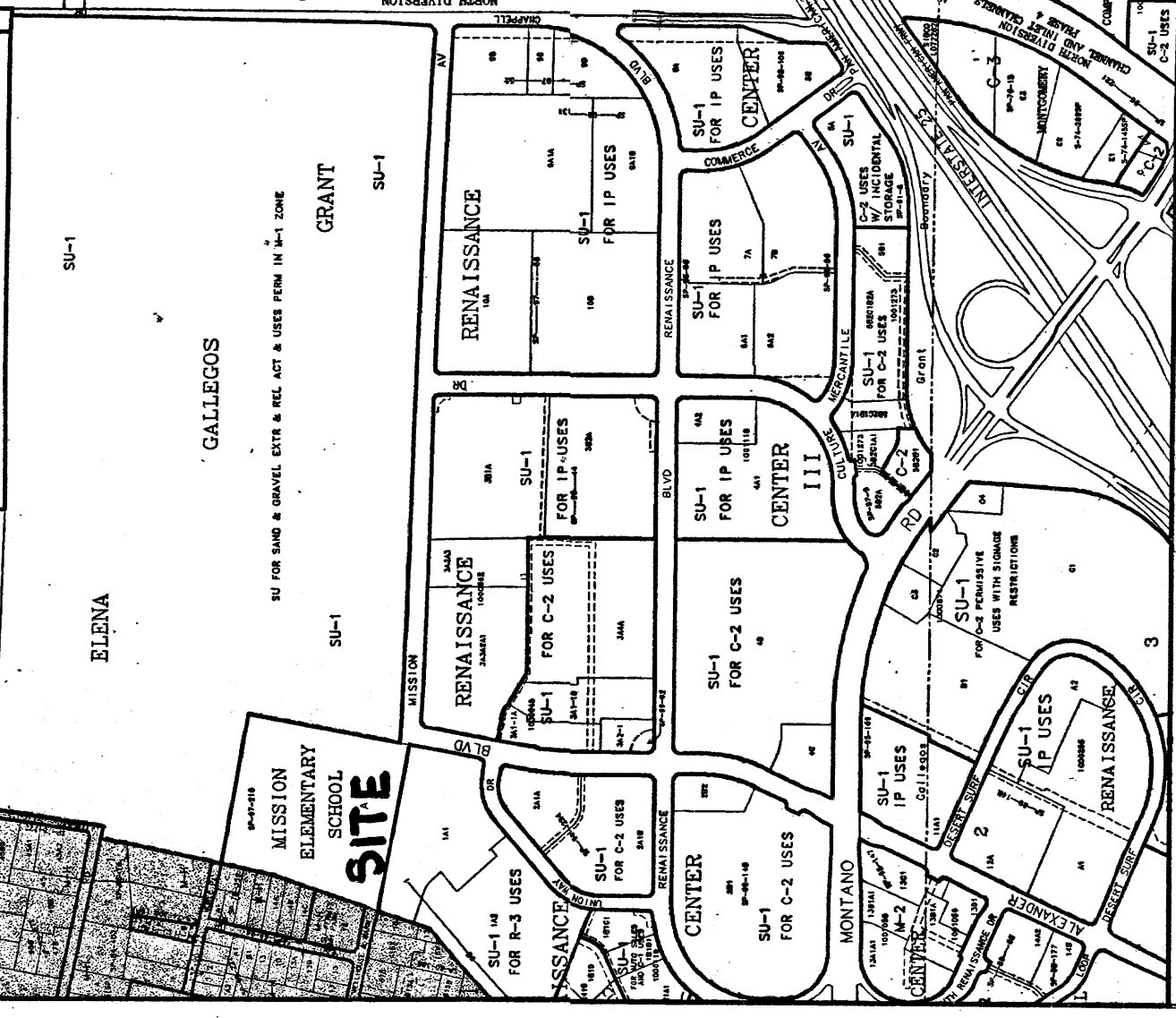
SIDEWALK CULVERT



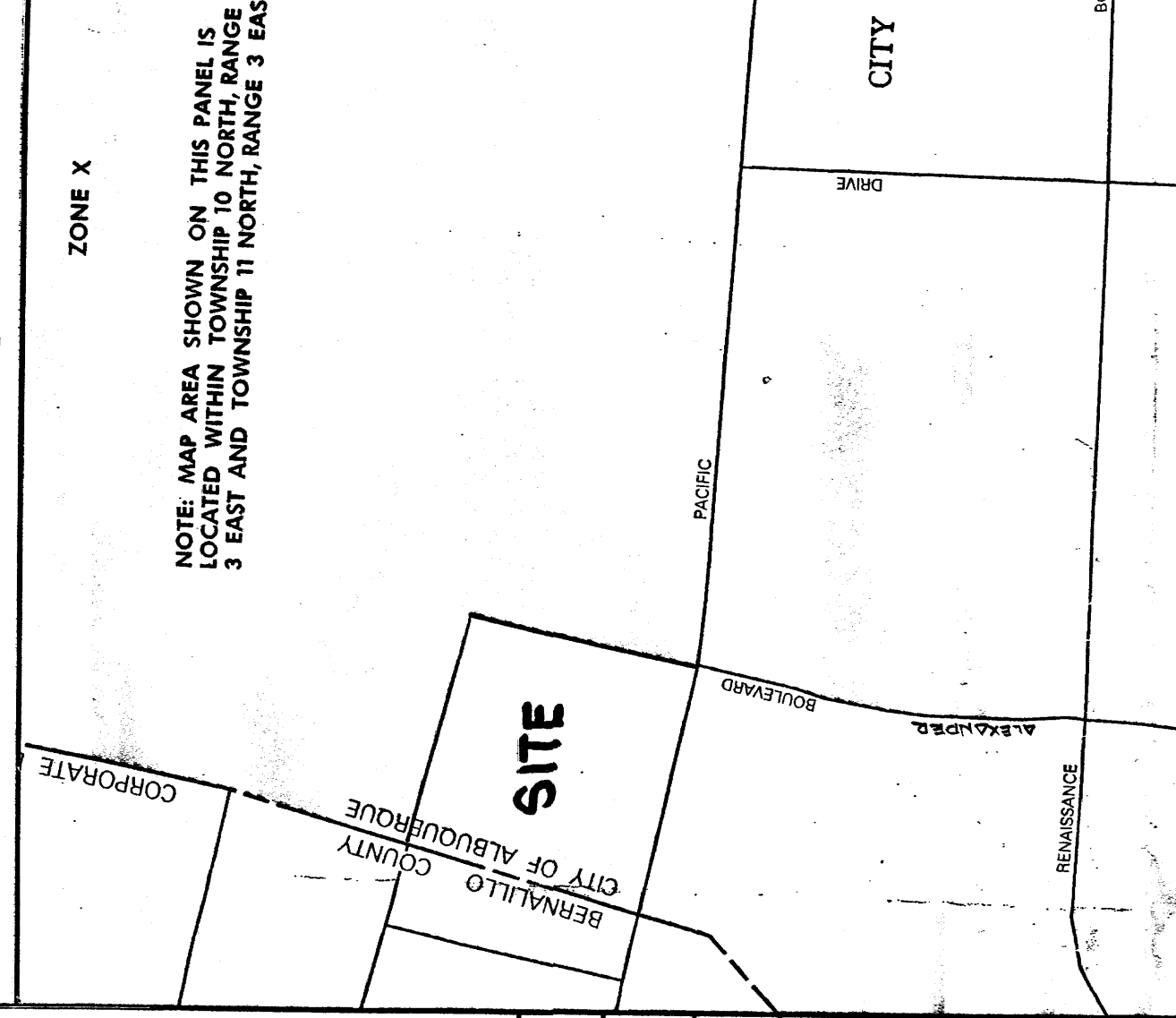
CONCRETE CATCH BASIN



VICINITY MAP NO. F-16



FEMA FIRM MAP NO. 138



LEGAL DESCRIPTION

TRACT A, MISSION ELEMENTARY SCHOOL
PERMANENT BENCHMARK
ACS 2176 ELEVATION 5092.154 (NAD83)
GRADING CERTIFICATION
I, Jean J. Bordenave, New Mexico Professional Engineer, No. 10000, do hereby certify that the above information was personally inspected 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 EXCEPTIONS AND/OR GRADATIONS.
1. CUL WALL AROUND COURTYARD NOT CONSTRUCTED.
2. ROOF DRAIN ON SOUTH SIDE OF COURTYARD NOT CONSTRUCTED.
CANAL SUBSTITUTED FOR ROOF DRAIN AT THIS LOCATION.
THE RECORD INFORMATION PRESENTED ON THE EDITED DESIGN DOCUMENT IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THE EDITED DESIGN DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

DRAINAGE CERTIFICATION

I, JEAN J. BORDENAVE, LICENSE NO. 5110, OF THE FIRM BORDENAVE & ASSOCIATES, HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADDED AND WILL DRAIN IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 02/10/04. THE RECORD INFORMATION 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 EXCEPTIONS AND/OR GRADATIONS.
1. CUL WALL AROUND COURTYARD NOT CONSTRUCTED.
2. ROOF DRAIN ON SOUTH SIDE OF COURTYARD NOT CONSTRUCTED.
CANAL SUBSTITUTED FOR ROOF DRAIN AT THIS LOCATION.
THE RECORD INFORMATION PRESENTED ON THE EDITED DESIGN DOCUMENT IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE ASPECTS OF THIS PROJECT. THOSE RELYING ON THE EDITED DESIGN DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

GRADING NOTES

1. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL NOTIFY THE CITY OF ALBUQUERQUE BY CALL SYSTEM AT 280-1990 FOR LOCATION OF EXISTING UTILITIES.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL NOTIFY THE CITY OF ALBUQUERQUE BY CALL SYSTEM AT 280-1990 FOR LOCATION OF EXISTING UTILITIES. THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL NOTIFY THE CITY OF ALBUQUERQUE BY CALL SYSTEM AT 280-1990 FOR LOCATION OF EXISTING UTILITIES.
3. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH THE ALBUQUERQUE CITY CODE, LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
4. ALL CONSTRUCTION WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH THE ALBUQUERQUE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.

EROSION CONTROL NOTES

1. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR PRIVATE PROPERTY. THE CONTRACTOR SHALL PROVIDE EROSION CONTROL MEASURES TO PREVENT IT FROM BLOWING.
2. THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
3. THE CONTRACTOR SHALL SECURE A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING CONSTRUCTION.

GENERAL NOTES

1. THE PROPOSED CONSTRUCTION SITE IS LESS THAN ONE ACRE IN AREA AND DOES NOT REQUIRE AN NPDES PERMIT.
2. CONTRACTOR SHALL VERIFY EXISTING GRADES AT CONNECTION POINTS. ARCHITECT SHALL NOTIFY OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
3. NEW ASPHALT (IF REQUIRED) SHALL BE PLACED TO PROVIDE A SMOOTH RIDING CONNECTION AND TO PROVIDE DRAINAGE BETWEEN OLD AND NEW SURFACES.

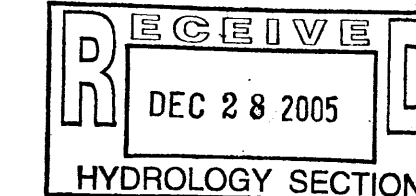
KEYED NOTES

1. EXISTING 10" STORM DRAIN TO REMAIN
2. EXISTING 12" STORM DRAIN TO REMAIN
3. EXISTING CATCH BASIN, RECONSTRUCT PER DETAIL ABOVE. USE NEENAH GRATE R-4409 OR APPROVED EQUAL. GRADE 50.35, INVERT 48.85
4. EXISTING CATCH BASIN, RECONSTRUCT PER DETAIL ABOVE. USE NEENAH GRATE R-4409 OR APPROVED EQUAL. GRADE 50.15, INVERT 48.15
5. EXISTING CATCH BASIN TO REMAIN. GRADE 49.85, INVERT 48.35
6. EXISTING CATCH BASIN TO REMAIN. GRADE 49.20, INVERT 47.70
7. REMOVE AND DISPOSE EXISTING 10" PVC PIPE.
8. CONNECT EXISTING CATCH BASINS W/ 8" PVC PIPE.
9. NEW STORM DRAIN FROM NEW ROOF DRAIN. SIZE TO MATCH CONNECTING ROOF DRAIN.
10. TURNDOWN SIDEWALK PER DETAIL ABOVE.
11. 6" WIDE x 4" DEEP SIDEWALK CULVERT. MATCH LOCATION TO ROOF DRAIN. EXTEND ROOF DRAIN INTO SIDEWALK CULVERT.
12. REMOVE AND REPLACE EXISTING SIDEWALK TO SHOWN GRADES



SITE GRADING AND DRAINAGE PLAN

1/8"=1'-0"
SCALE 1"=30'



Van H Gilbert Architect PC
ARCHITECTURE • INTERIORS • PLANNING
2225 Hyde Drive NE Albuquerque, NM 87106
Tel: 505.247.9955 Fax: 505.247.9324
Project No. 0400 Project Name: MISSION AVENUE ELEMENTARY SCHOOL
Drawn By: JCB Date: 02/24/04
Checked By: JCB Date: 02/24/04

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LEGEND

MATERIALS

CONCRETE
RIP-RAP

LINES

SUBDIVISION BOUNDARY
PROPERTY LINE (PLAN)
PROPERTY LINE (SECTION)
CENTERLINE
EASEMENT LINE
MATCH LINE
SECTION CUT LINE

EARTHWORK

CONTOUR LINE
SPOT ELEVATION
PROJECT / PHASE BOUNDARY
FLOWLINE
DIRECTION OF FLOW

MISCELLANEOUS UTILITIES

GAS LINE
UNDERGROUND TELEPHONE
UNDERGROUND ELECTRICAL
STORM DRAIN
STORM DRAIN MANHOLE
STORM DRAIN INLET

SANITARY SEWER

SANITARY SEWER LINE
SANITARY SEWER MANHOLE
SAS SERVICE CONNECTIONS
SAS CAP OR PLUG
ENCASEMENT

WATER

WATER LINE
WATER SERVICE CONNECTIONS
GATE VALVE
FIRE HYDRANT
BUTTERFLY VALVE
REDUCER
WATER PRESSURE ZONE BOUNDARY

WATER FITTINGS

CAPS AND PLUGS
ELBOW
CROSS
TEE

MISCELLANEOUS

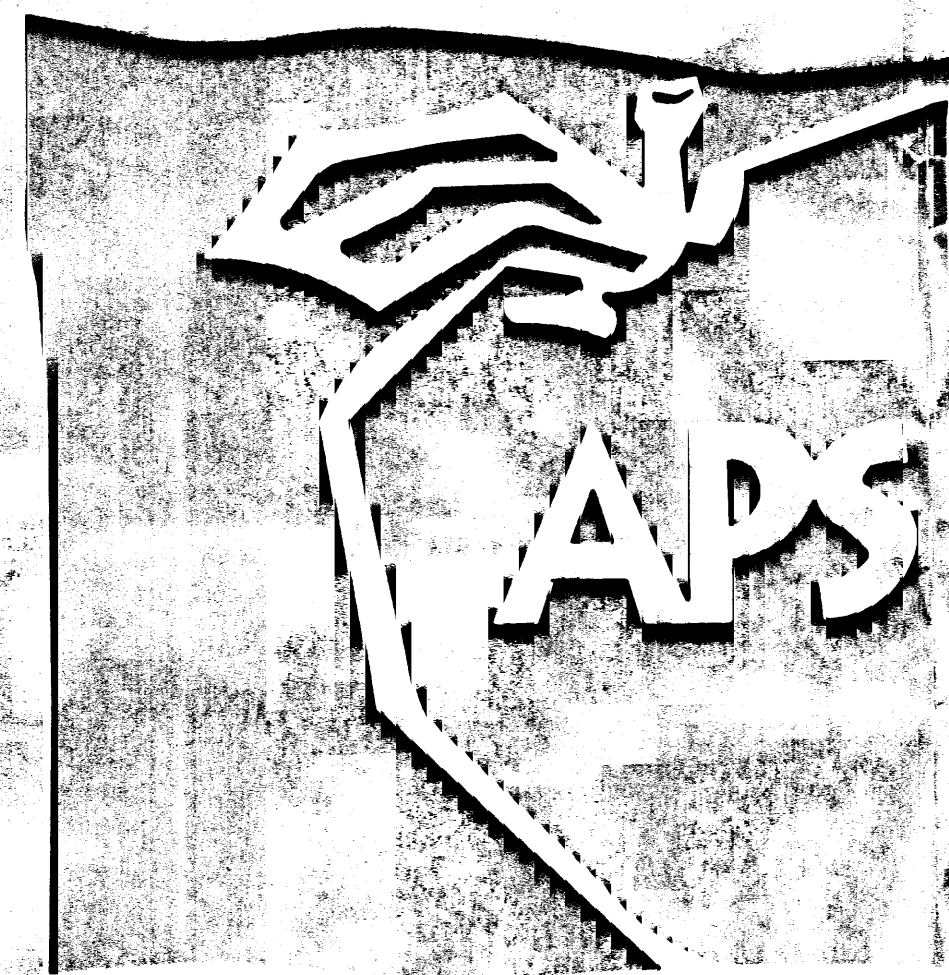
CHAINLINK FENCE
FIELD FENCE
COMMON YARD WALL
RETAINING WALL
POWER OR TELEPHONE POLE

CONSTRUCTION PLANS

for

PORTABLE CLASSROOM INSTALLATIONS - MISSION AVENUE ELEMENTARY SCHOOL

725 MISSION AVENUE, N.E.
ALBUQUERQUE, NEW MEXICO
DECEMBER, 2010



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E101	ELECTRICAL SITE PLAN (NOT A PART OF DRAINAGE CERTIFICATION)

ENGINEER'S CERTIFICATION

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 12-09-2010 AND REVISED 03-08-2011 TO INCORPORATE PHASING. THE RECORD INFORMATION EDITED INTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ME OR PERSONNEL UNDER MY DIRECT SUPERVISION AS SUPPLEMENTAL SITE DATA COMBINED WITH RECORD INFORMATION OBTAINED FROM THE AS-BUILT SURVEY DATED 03-31-2011 AND 04-18-2011 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 THOSE IMPROVEMENTS IDENTIFIED ON THE APPROVED PLAN FOR THE OWNER AND CITY OF ALBUQUERQUE, TO SUPPORT A REQUEST FOR PERMANENT CERTIFICATE OF OCCUPANCY, AND TO SATISFY CONDITIONS OF GRADING APPROVAL.

THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE AND SPECIFIC LIMITED 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
DATE 05-16-2011



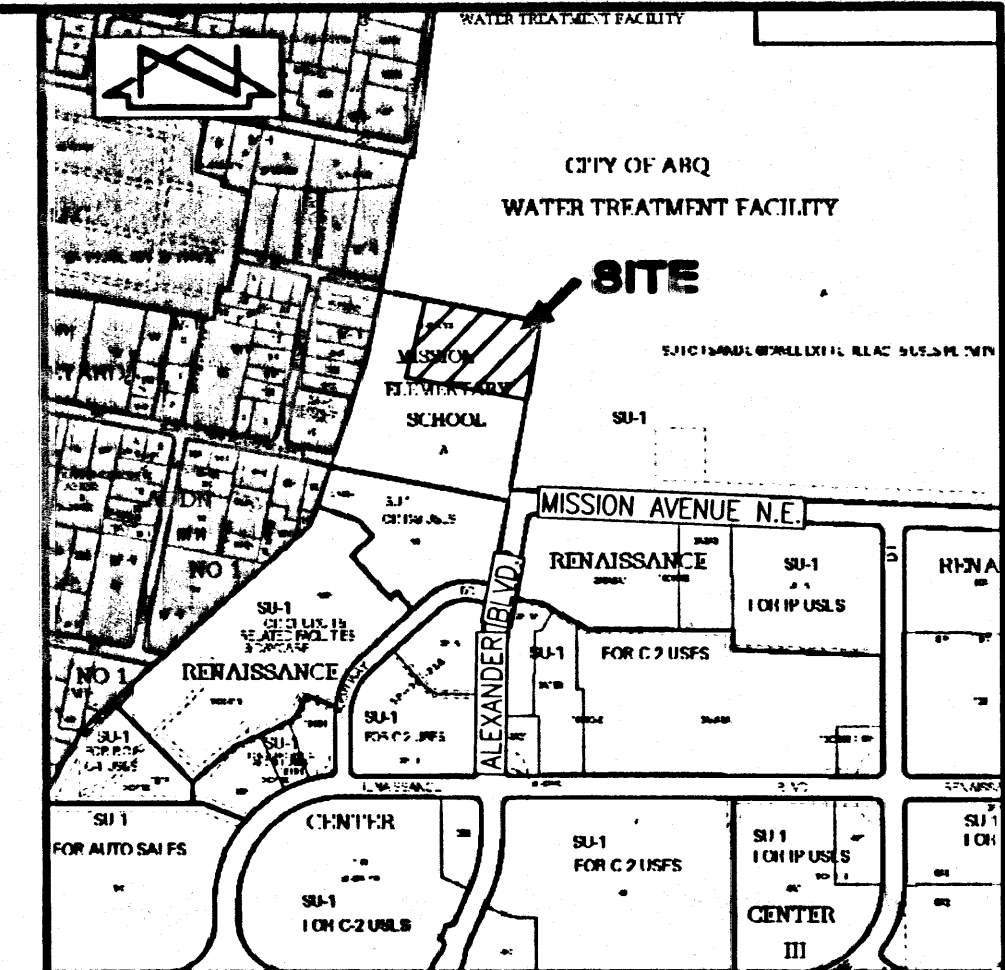
RECORD DRAWING

GENERAL NOTES

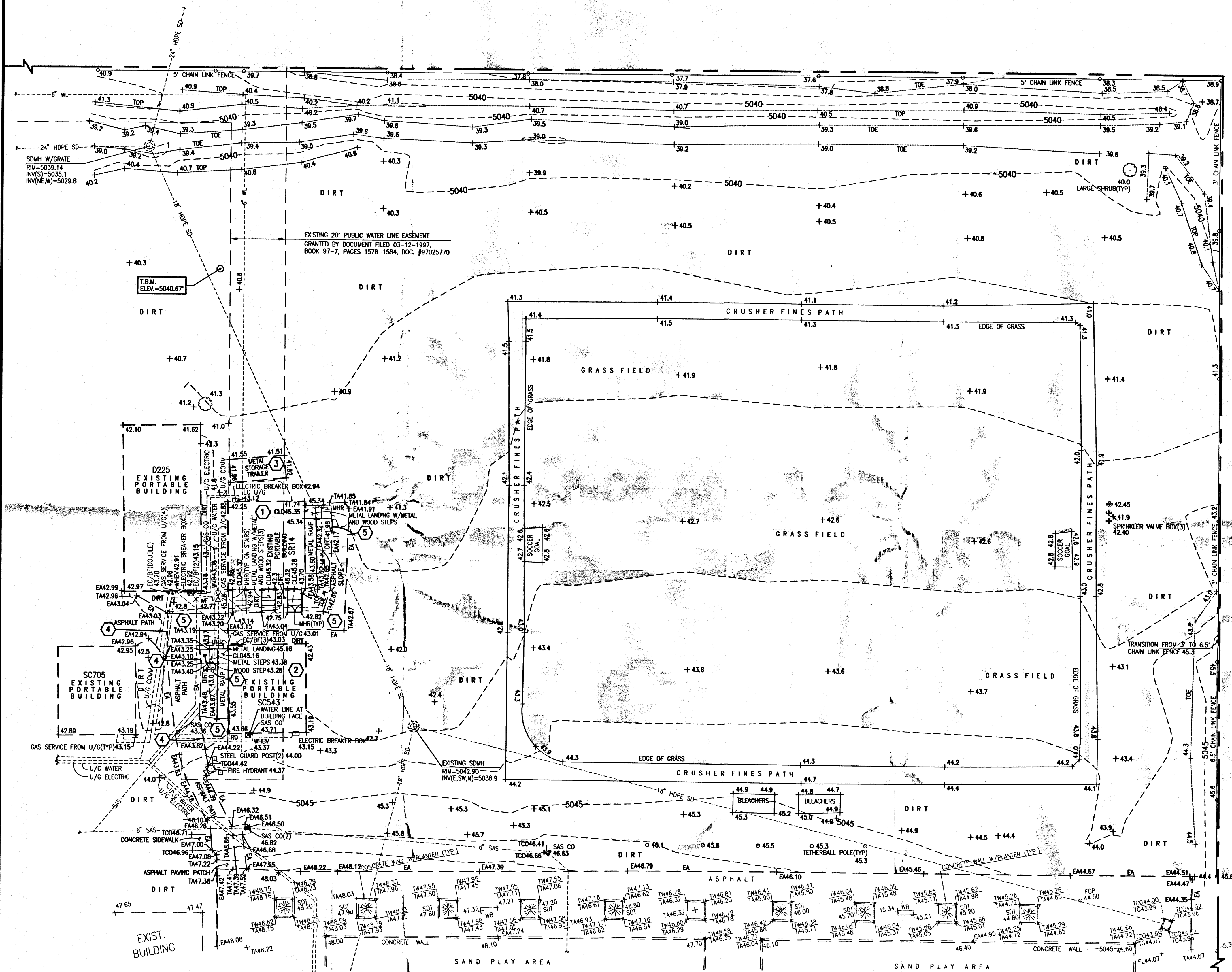
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - 1987, PUBLISHED BY THE NEW MEXICO CHAPTER AMERICAN PUBLIC WORKS ASSOCIATION. (REVISED 12/06)
- 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 PUBLIC UTILITIES AND ABASO UTILITY LOCATING COMPANY (888-3341) FOR THE LOCATION OF EXISTING PRIVATE UTILITIES ON APS PROPERTY.
- 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 LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
- 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 MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.
- 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 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.
- CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO ENSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE ENGINEER. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED.
- ALL PAVEMENT MARKINGS AND TRAFFIC SIGNS SHALL COMPLY WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION, LATEST EDITION.
- IF THE REMOVAL OF EXISTING CURB AND GUTTER, SIDEWALK, AND/OR PAVING IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. WHEN ADJUSTING NEW PAVEMENT TO EXISTING, THE CONTRACTOR SHALL CUT BACK THE EXISTING PAVING TO A STRAIGHT LINE IN ORDER TO REMOVE ANY BROKEN OR CRACKED PAVEMENT. CURB AND GUTTER AND/OR PAVEMENT SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT AND WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
- 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.
- 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.
- 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.
- THE CONTRACTOR SHALL CONFINED 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING APPROPRIATE MEANS AND METHODS TO EXCAVATE AND TRENCH AND/OR INSTALL PIPE SO AS NOT TO EXCEED RIGHT-OF-WAY OR EASEMENT LIMITS, AND SO AS NOT TO INTERFERE WITH OTHER UTILITIES OR IMPROVEMENTS. THIS SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, SUPPORTING AND REPLACING, IF DAMAGED, ALL UTILITIES ENCOUNTERED DURING CONSTRUCTION. THIS SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
- ALL DIMENSIONS AND RADII OF CURB, CURB RETURNS, AND WALLS ARE SHOWN TO THE FACE OF CURB AND/OR WALL.
- THE CONTRACTOR SHALL NOTIFY THE OWNER 48 HOURS PRIOR TO STRIPING SO THAT LAYOUT CAN BE VERIFIED.
- 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.
- WHEN APPLICABLE, CONTRACTOR SHALL SECURE, ON BEHALF OF THE OWNER AND OPERATORS, "TOPSOIL DISTURBANCE PERMIT" FROM THE CITY AND/OR FILE A NOTICE OF INTENT (N.O.I.) WITH THE EPA PRIOR TO BEGINNING CONSTRUCTION.
- ALL FILL SHALL BE CLEAN, FREE FROM VEGETATION, DEBRIS, AND OTHER DELETERIOUS MATERIALS, AND SHALL NOT BE CONTAMINATED WITH HYDROCARBONS OR OTHER CHEMICAL CONTAMINANTS.
- ALL FILL SHALL BE COMPACTED TO A MINIMUM OF 95% ASTM D-1557 UNLESS A GREATER COMPACTION REQUIREMENT IS OTHERWISE SPECIFIED.
- 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.

JOB NO. 2010.181.4

REV.	SHEETS	CITY-ENGINEER	DATE	USER	DEPARTMENT	DATE	USER	DEPARTMENT	DATE
1-6	1-3,5,7,9		08/11						
1	3,5,7,9		03/11						
APPROVAL OF REVISIONS									
 03-08-2011 12-09-2010					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				
					APPROVED FOR CONSTRUCTION				
					C.E.				
					SHEET 1 OF 16				



VICINITY MAP
SCALE: 1" = 750'



DEMOLITION KEYED NOTES:

- 1 REMOVE AND RELOCATE EXISTING RESTROOM PORTABLE BUILDING; REMOVE AND DISPOSE OF EXISTING FOOTINGS; DISCONNECT AND TERMINATE EXISTING UTILITY SERVICES
- 2 REMOVE AND RELOCATE EXISTING SINGLE CLASSROOM PORTABLE BUILDING; REMOVE AND DISPOSE OF EXISTING FOOTINGS; DISCONNECT AND TERMINATE EXISTING UTILITY SERVICES
- 3 REMOVE AND RELOCATE EXISTING STORAGE CONTAINER
- 4 NEATLY SAWCUT EXISTING ASPHALT PAVING
- 5 REMOVE AND DISPOSE OF EXISTING ASPHALT PAVING

LEGAL DESCRIPTION

A PORTION OF MISSION AVENUE ELEMENTARY SCHOOL, ALBUQUERQUE, NEW MEXICO.

BENCHMARKS

PROJECT BENCHMARK

STANDARD A.C.S. BRASS TABLET STAMPED "3-F16", SET IN TOP OF A CONCRETE POST PROJECTING 0.3' ABOVE GROUND ON THE MEDIAN 0.7 MILES WEST FROM THE INTERCHANGE AT I-25 AND MONTANO ROAD, N.E. ELEVATION = 5029.557 FEET (NGVD 1929)

TEMPORARY BENCHMARK (T.B.M.)

#5 REBAR W/CAP STAMPED "HMC CONTROL NMPS 11184", AS SHOWN ON THIS SHEET. ELEVATION = 5040.67 FEET (NGVD 1929)

EXISTING LEGEND

BF	BUILDING FACE
CLD	CENTERLINE OF DOOR
CO	SANITARY SEWER CLEANOUT
COMM	COMMUNICATION LINE
EA	EDGE OF ASPHALT
EC	ELECTRIC CONDUIT
HDPE	HIGH DENSITY POLYETHYLENE PIPE
INV	INVERT ELEVATION
MH	MANHOLE
MHR	METAL HANDRAIL
SAS	SANITARY SEWER
SD	STORM DRAIN
TA	TOP OF ASPHALT
TCO	TOP OF CONCRETE
TYP	TYPICAL
U/G	UNDERGROUND
WF	WATER FOUNTAIN
WHBV	WATER CAN/HOSE BIB VALVE
WL	WATER LINE
WVB	WATER VALVE BOX
*	DECIDUOUS TREE
o	SHRUB
*	PAINTED UTILITY MARKER

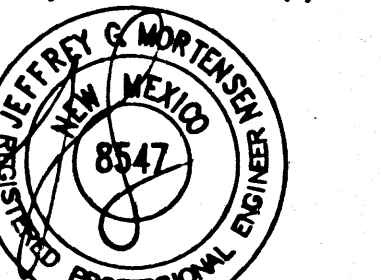
DESIGN SURVEY NOTE

THIS IS NOT A BOUNDARY SURVEY. DATA IS SHOWN FOR ORIENTATION ONLY. THE BOUNDARY INFORMATION DEPICTED BY THIS PLAN IS BASED UPON THE PLAT OF RECORD FILED DECEMBER 4, 1997, BOOK 97C, PAGE 342. TOPOGRAPHIC INFORMATION IS BASED UPON A TOPOGRAPHIC SURVEY PREPARED BY HIGH MESA CONSULTING GROUP, NMPS 11184, DATED OCTOBER, 2002, JOB NO. 2002.181.5 AND A PARTIAL TOPOGRAPHIC AND UTILITY SURVEY PREPARED BY HIGH MESA CONSULTING GROUP, NMPS NO. 11184, DATED NOVEMBER 4, 2010, JOB NO. 2010.181.3.

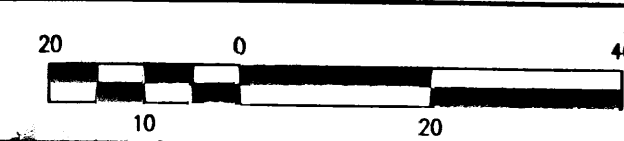
NOTE:
FOR PHASE I CONSTRUCTION,
SEE SHEET 2R

RECORD DRAWING

05.16.2011



03-08-2011
12-09-2010

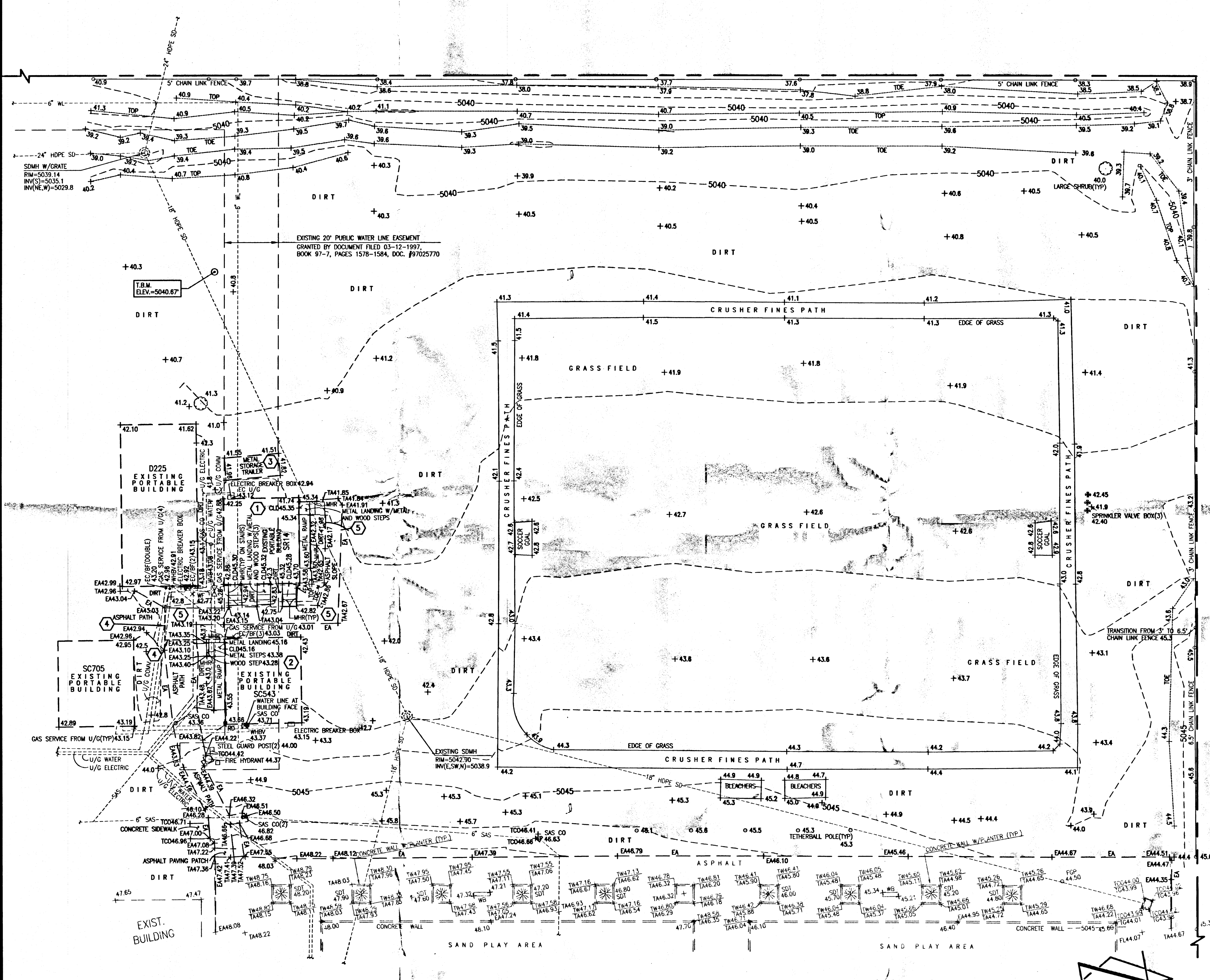


A1 DEMOLITION PLAN
SCALE: 1" = 20'

HIGH MESA Consulting Group
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DEMOLITION PLAN - FULL BUILD-OUT
PORTABLE CLASSROOM INSTALLATIONS
MISSION AVENUE ELEMENTARY SCHOOL - 725 MISSION AVENUE N.E.

DESIGNED BY	JGM	DATE	03/11	BY	J.G.M.	PHASING	REVISIONS	JOB NO.	2010.181.4
DRAWN BY	C.F.A./C.L.T.	DATE	03/11	BY	B.E.E.	RECORD DRAWING		DATE	12-2010
APPROVED BY	JGM	SHEET						OF	16



- DEMOLITION KEYED NOTES:**
- 1 REMOVE AND RELOCATE EXISTING RESTROOM PORTABLE BUILDING; REMOVE AND DISPOSE OF EXISTING FOOTINGS; DISCONNECT AND TERMINATE EXISTING UTILITY SERVICES - FUTURE. REMOVE AND INSTALL LANDING, RAMPS, AND STAIRS TO FACILITATE GRADING AND PAVING - PHASE 1
 - 2 REMOVE AND RELOCATE EXISTING SINGLE CLASSROOM PORTABLE BUILDING; REMOVE AND DISPOSE OF EXISTING FOOTINGS; DISCONNECT AND TERMINATE EXISTING UTILITY SERVICES - FUTURE
 - 3 REMOVE AND RELOCATE EXISTING STORAGE CONTAINER - FUTURE
 - 4 NEATLY SAWCUT EXISTING ASPHALT PAVING
 - 5 REMOVE AND DISPOSE OF EXISTING ASPHALT PAVING

LEGAL DESCRIPTION

A PORTION OF MISSION AVENUE ELEMENTARY SCHOOL, ALBUQUERQUE, NEW MEXICO.

BENCHMARKS

PROJECT BENCHMARK

STANDARD A.C.S. BRASS TABLET STAMPED "3-F16". SET IN TOP OF A CONCRETE POST PROJECTING 0.3' ABOVE GROUND ON THE MEDIAN 0.7 MILES WEST FROM THE INTERCHANGE AT I-25 AND MONTANO ROAD, N.E. ELEVATION = 5029.557 FEET (NGVD 1929)

TEMPORARY BENCHMARK (T.B.M.)

#5 REBAR W/CAP STAMPED "HMCQ CONTROL NMPS 11184". AS SHOWN ON THIS SHEET. ELEVATION = 5040.67 FEET (NGVD 1929)

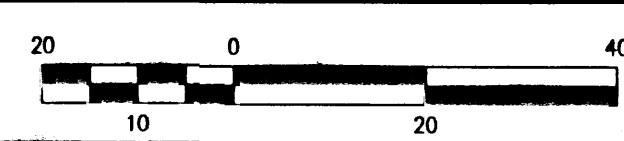
- EXISTING LEGEND**
- BF BUILDING FACE
 - CLD CENTERLINE OF DOOR
 - CO SANITARY SEWER CLEANOUT
 - COMM COMMUNICATION LINE
 - EA EDGE OF ASPHALT
 - EC ELECTRIC CONDUIT
 - HDPE HIGH DENSITY POLYETHYLENE PIPE
 - INV INVERT ELEVATION
 - MH MANHOLE
 - MHR METAL HANDRAIL
 - SAS SANITARY SEWER
 - SD STORM DRAIN
 - TA TOP OF ASPHALT
 - TCO TOP OF CONCRETE
 - TYP TYPICAL
 - U/G UNDERGROUND
 - WF WATER FOUNTAIN
 - WHBV WATER CAN/HOSE BIB VALVE
 - WL WATER LINE
 - WVB WATER VALVE BOX
 - DECIDUOUS TREE
 - SHRUB
 - PAINTED UTILITY MARKER

DESIGN SURVEY NOTE

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RECORD DRAWING
FOR CERTIFICATION, SEE SHEET 1

DEMOLITION PLAN
SCALE: 1" = 20'

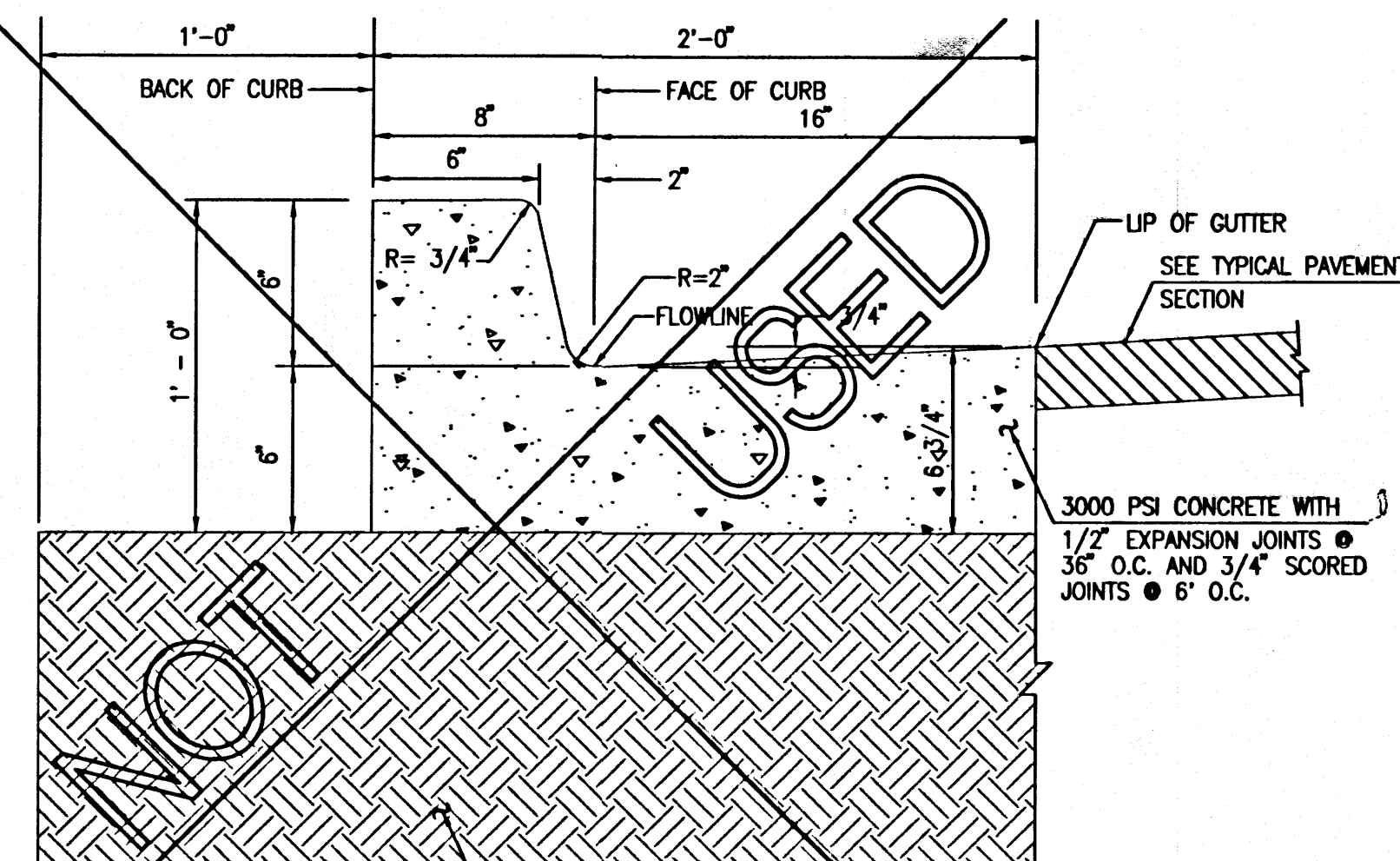


05-16-2011
03-07-2011

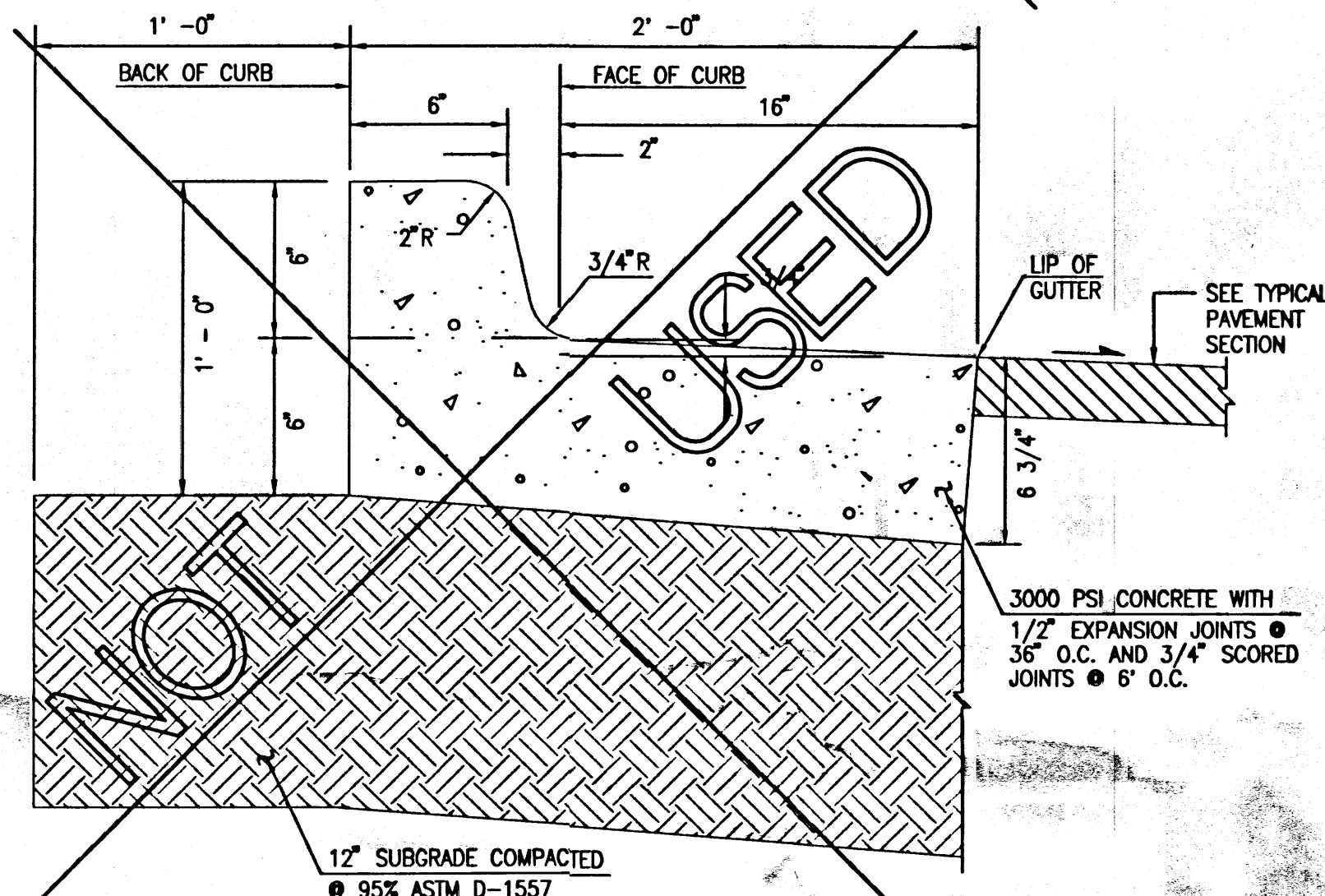
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DEMOLITION PLAN - PHASE I
PORTABLE CLASSROOM INSTALLATIONS
MISSION AVENUE ELEMENTARY SCHOOL - 725 MISSION AVENUE N.E.

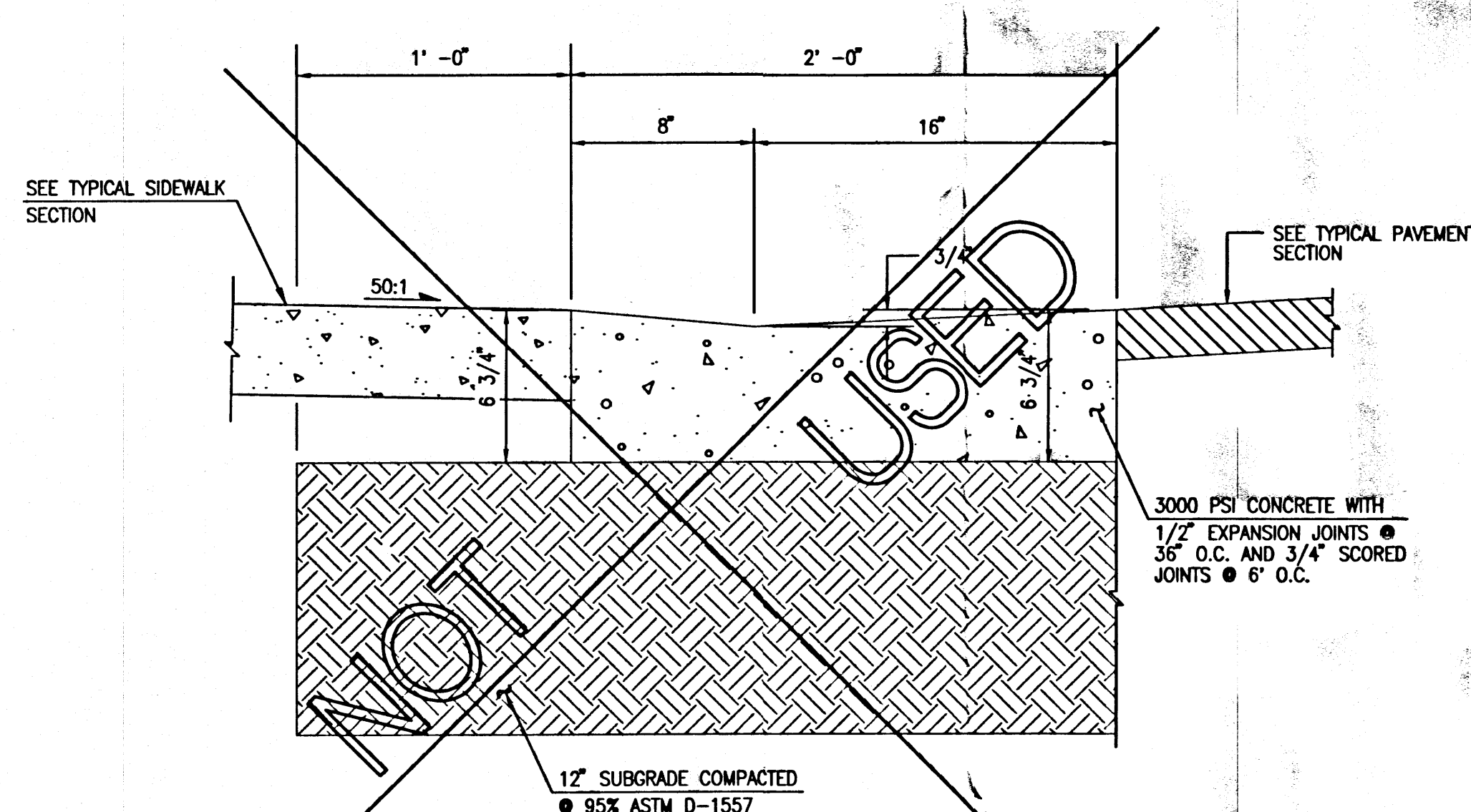
DESIGNED BY	J.G.M.	NO.	DATE	BY	REVISIONS	JOB NO.
DRAWN BY	C.L.T.	1	03/11	J.G.M.	ADD THIS SHEET	2010.181.4
APPROVED BY	J.G.M.	2	03/11	B.E.E.	RECORD DRAWING & CERTIFICATION	DATE 03-2011
						SHEET 2R OF 16



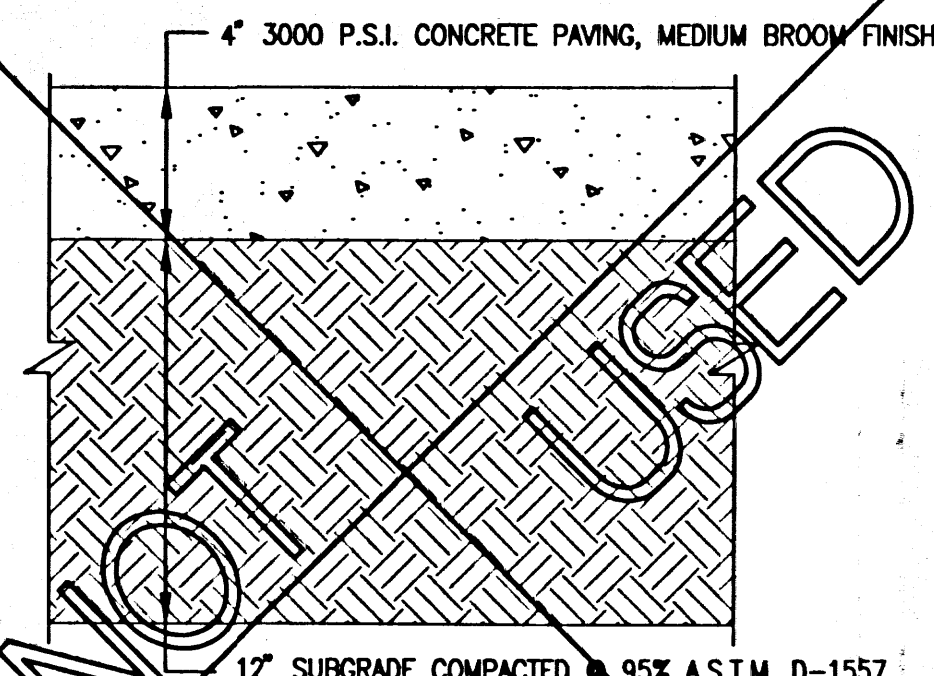
D1 TYPICAL SIX-INCH CURB & GUTTER
SCALE: 1" = 0'-6"



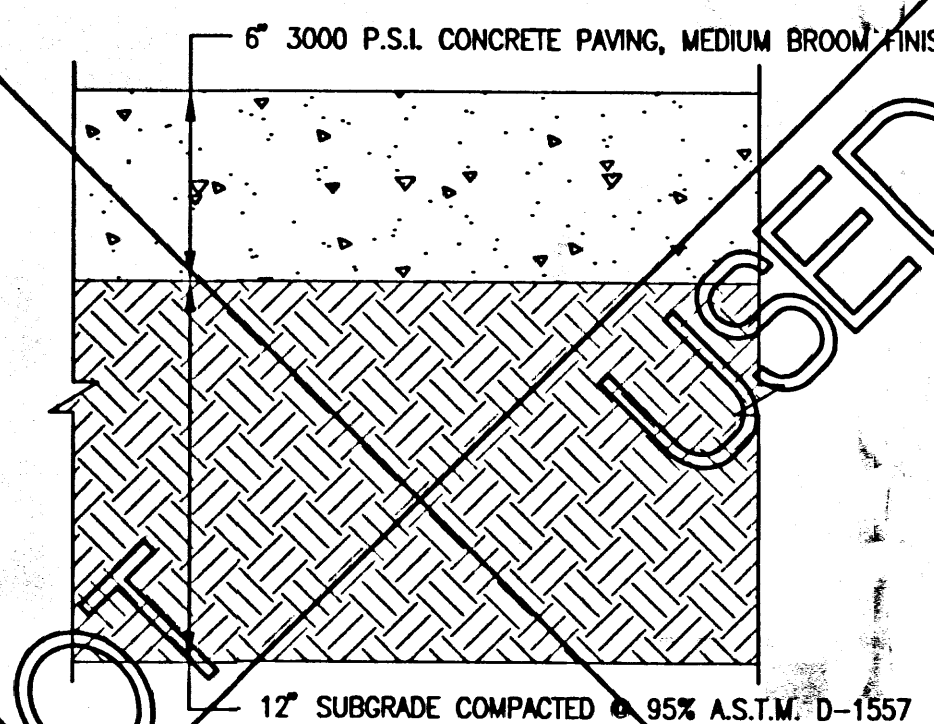
C1 SIX-INCH DEPRESSED CURB AND GUTTER
SCALE: 1" = 0'-6"
NOTE: USE THIS SECTION FOR CASES WHERE PAVING SLOPES AWAY FROM FACE OF CURB



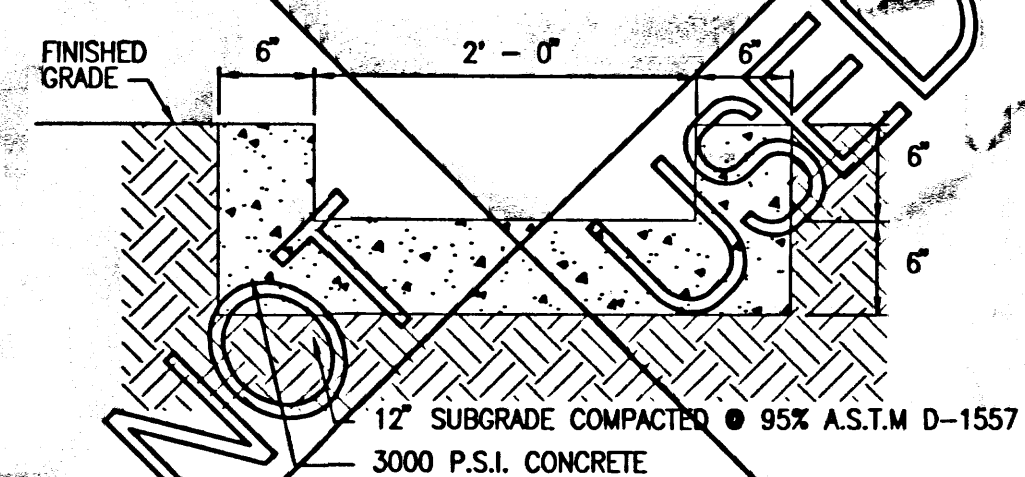
A1 TYPICAL CURB & GUTTER AT ACCESS RAMP
SCALE: 1" = 0'-6"



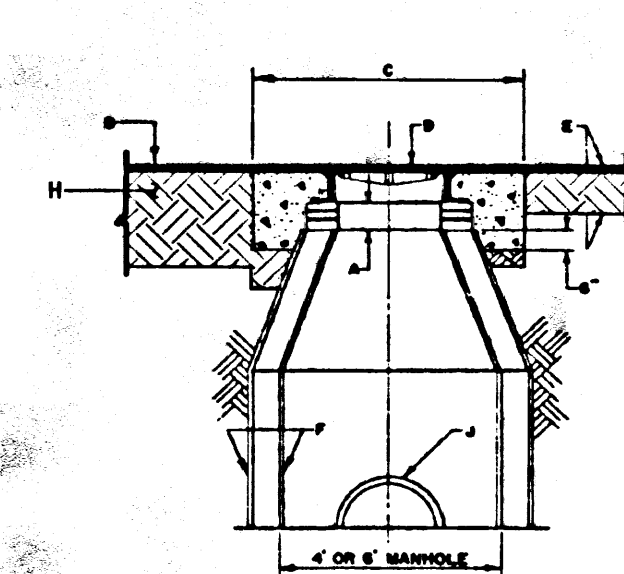
D3 TYPICAL 4" CONCRETE SIDEWALK SECTION
SCALE: 1" = 6"



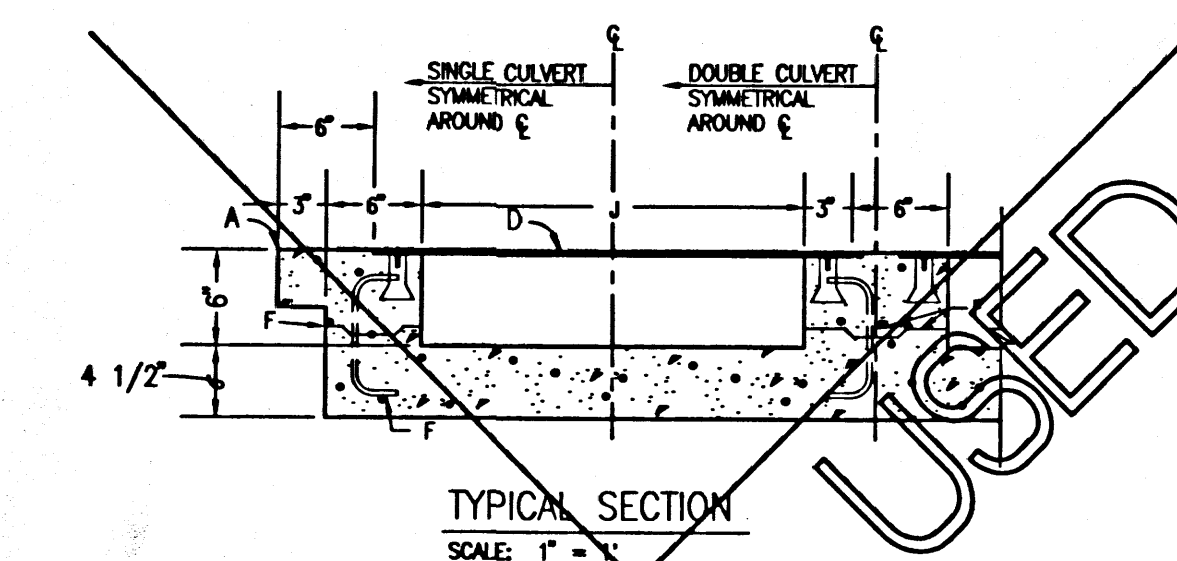
C3 TYPICAL 6" CONCRETE PAVEMENT SECTION
SCALE: 1" = 6"



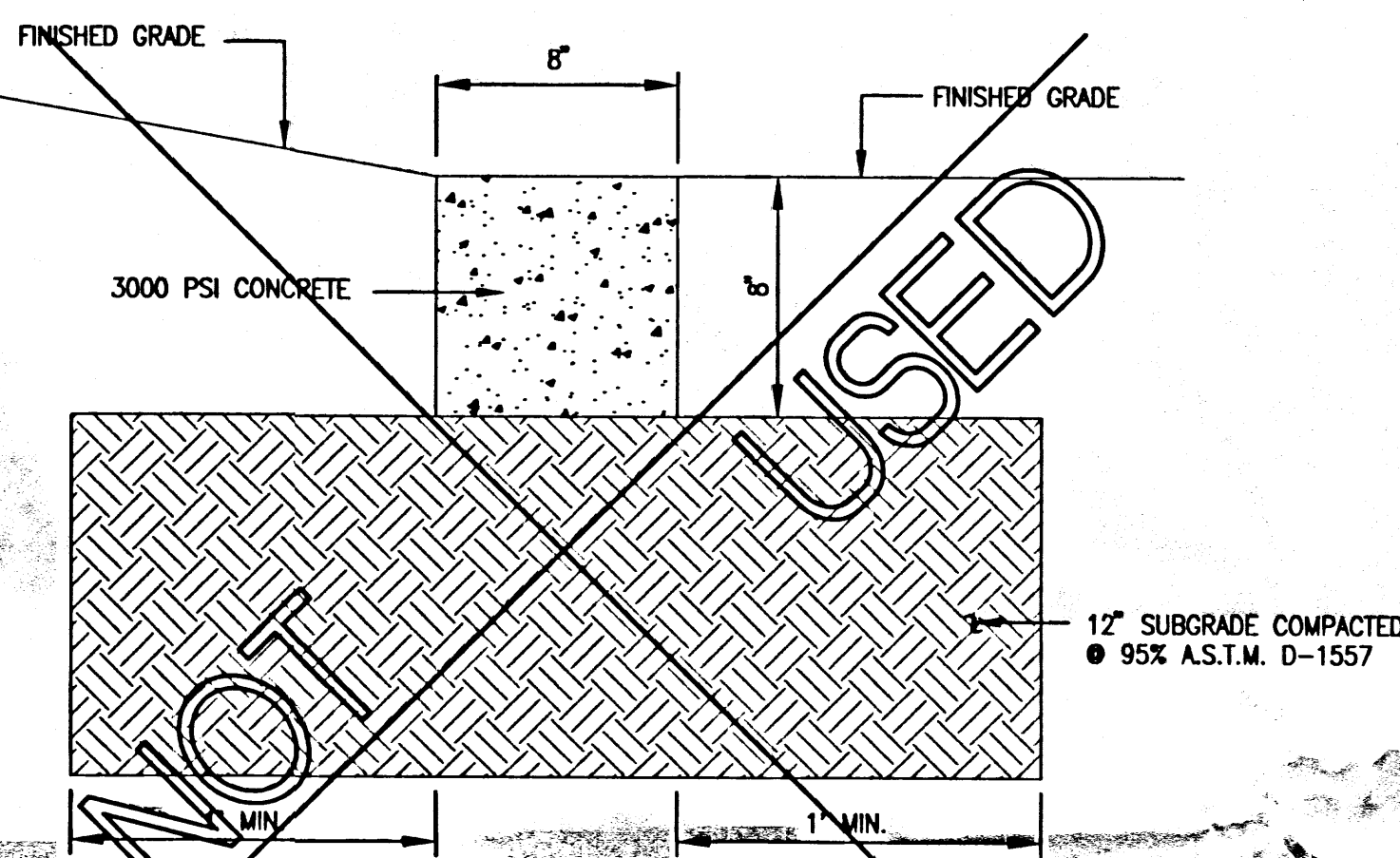
C4 SECTION D-D (MOW CURB)
SCALE: 1" = 0'-6"



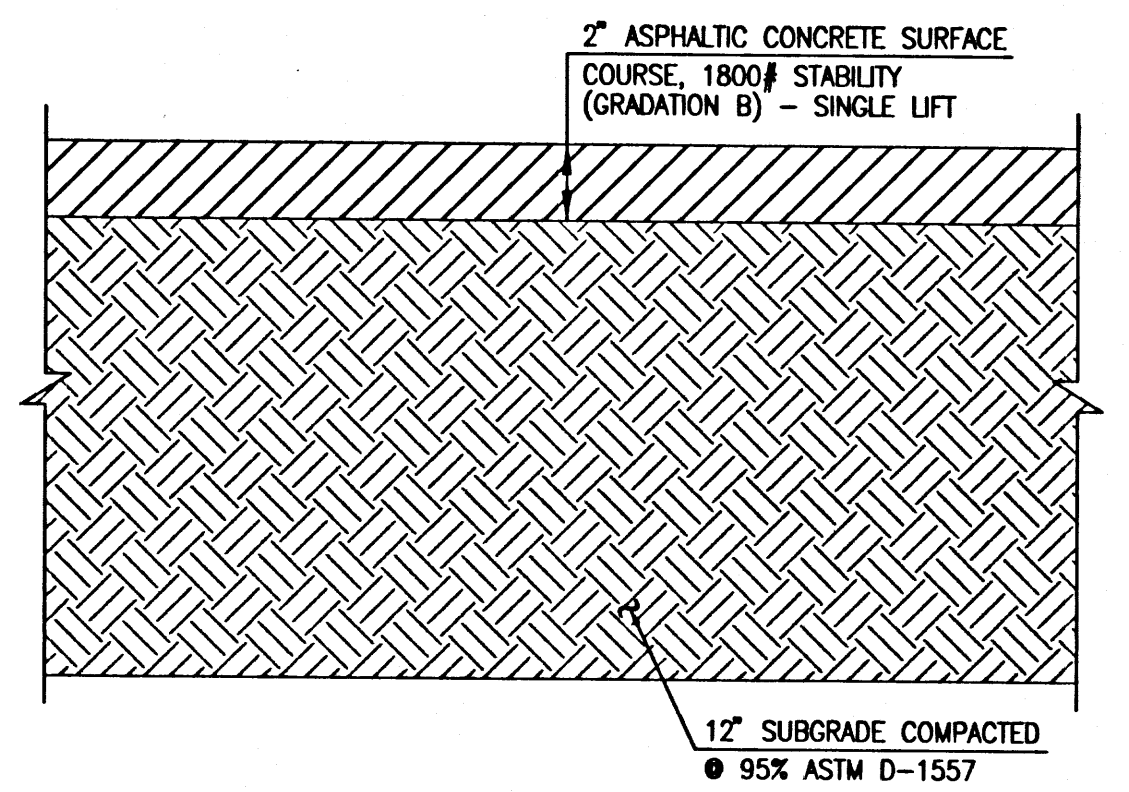
A3 MANHOLE REGRADING DETAIL
N.T.S.



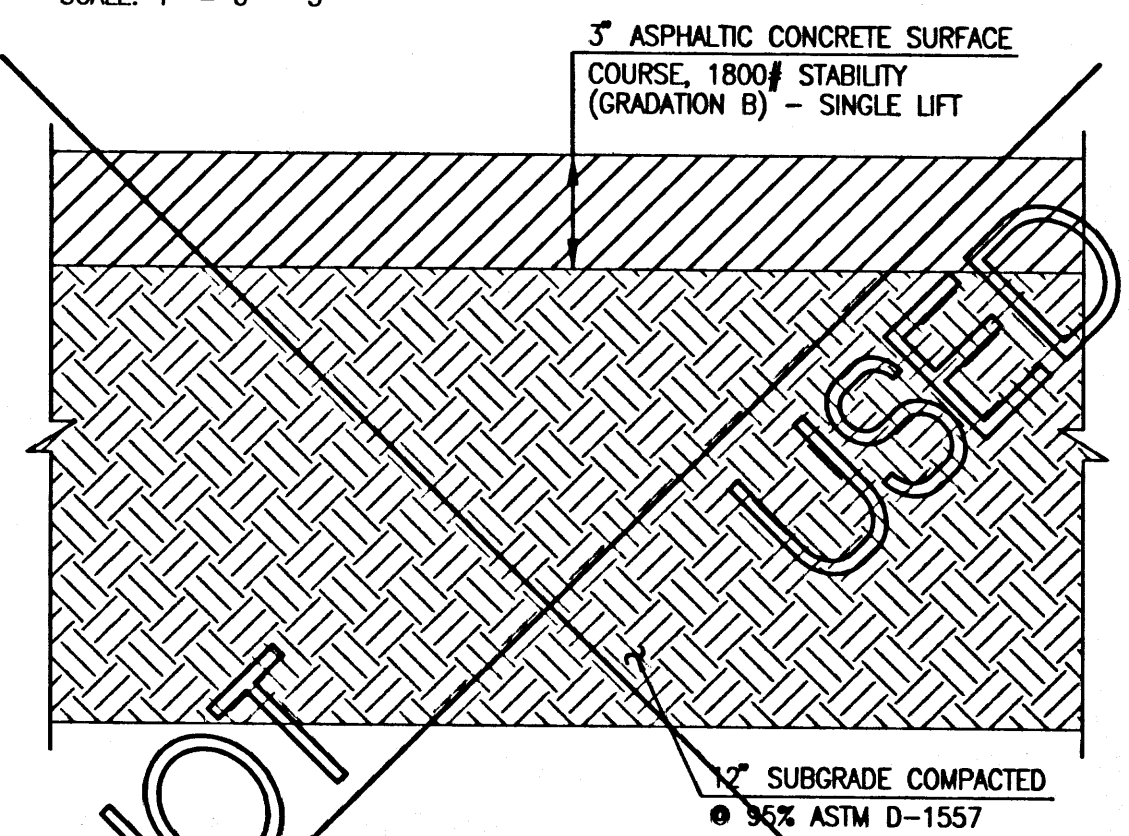
D4 TYPICAL SIDEWALK CULVERT SECTIONS AND DETAILS
N.T.S.



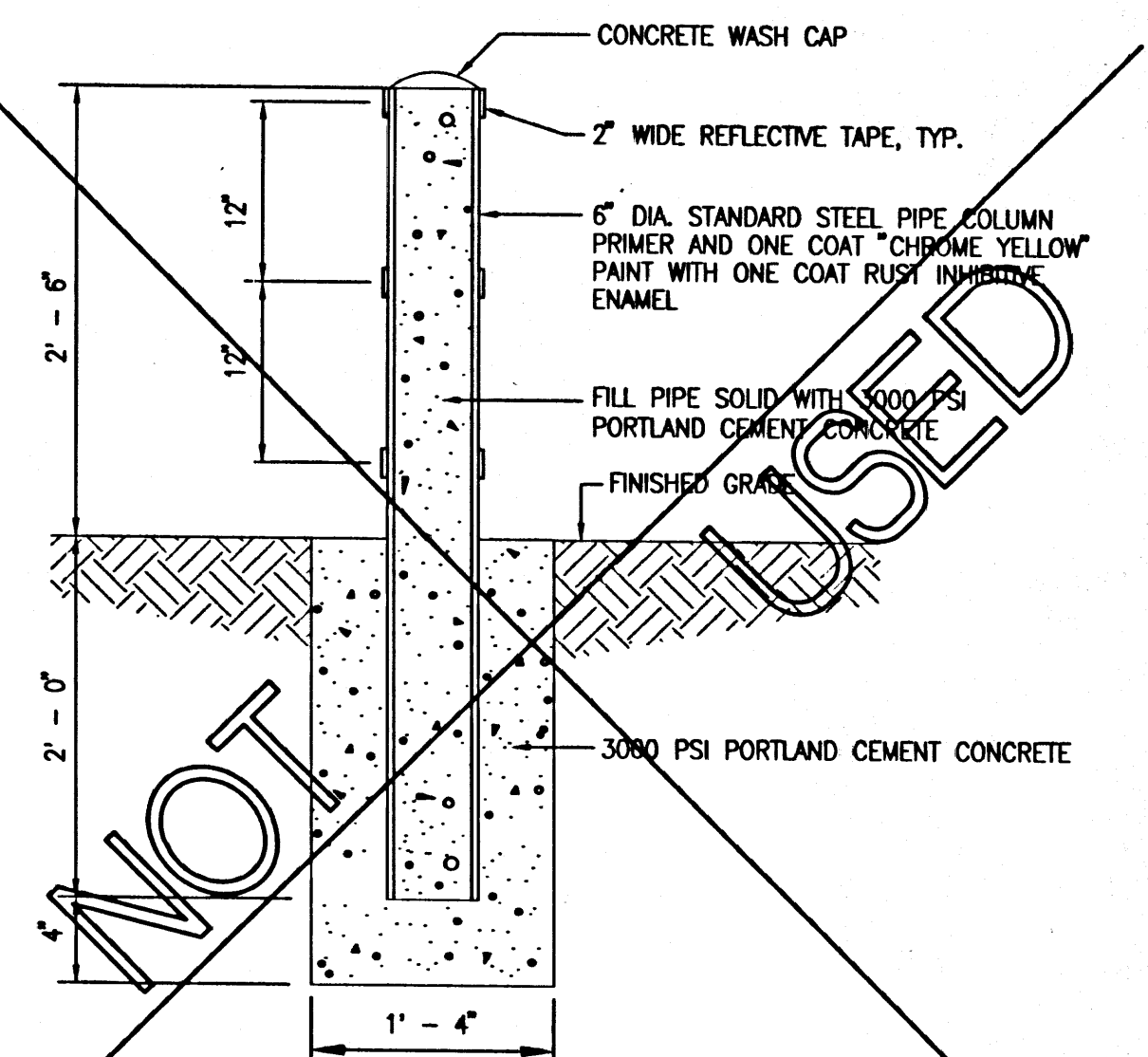
B4 TYPICAL CROSSWALK DETAIL
SCALE: 1" = 5'



D6 TYPICAL 2" ASPHALT PAVING SECTION (PEDESTRIAN TRAFFIC AREAS)
SCALE: 1" = 0' - 5"



C6 TYPICAL 3" ASPHALT PAVING SECTION (VEHICULAR TRAFFIC AREAS)
SCALE: 1" = 0' - 5"



A6 TYPICAL BOLLARD SECTION
SCALE: 1" = 1'-0"

GENERAL NOTES:
1. ADJUSTMENT TO GRADE OF FRAME AND COVER SHALL BE MADE BY VARYING BRICK COURSES DIRECTLY UNDER FRAME, USING FOUR COURSE MAX. IF LESS THAN ONE COURSE IS REQUIRED, BRICK ONLY SHALL BE USED.
2. IF ADJUSTMENT WOULD REQUIRE GREATER THAN FOUR COURSES, THE CONE SHALL BE REMOVED, BARREL HEIGHT ADJUSTED AND CONE REPLACED.
3. ADJUSTMENT RISES MAY BE USED FOR MINOR ADJUSTMENT REQUIREMENTS.

CONSTRUCTION NOTES:
A. FOUR BRICK COURSES MAX.
B. NEW PAVING.
C. USE A CONC. PAD OCTAGONAL, 24" IN ALL AREAS.
D. 6" H. FRAME & COVER.
E. STD. PAVING SECT.
F. TOP PLASTER INSIDE & OUTSIDE EXCEPT ON PRE-CAST UNITS.
G. CAST UNITS.
H. SUBGRADE.
I. PPE.

RECORD DRAWING
FOR CERTIFICATION, SEE SHEET 1

05-16-2011
03-08-2011
12-09-2010

File Path: E:\DATA\2010\181\A\181.dwg Plot Date: 05-12-2011
File Name: 10181_Sht1.dwg Plot Time: 08:07 am

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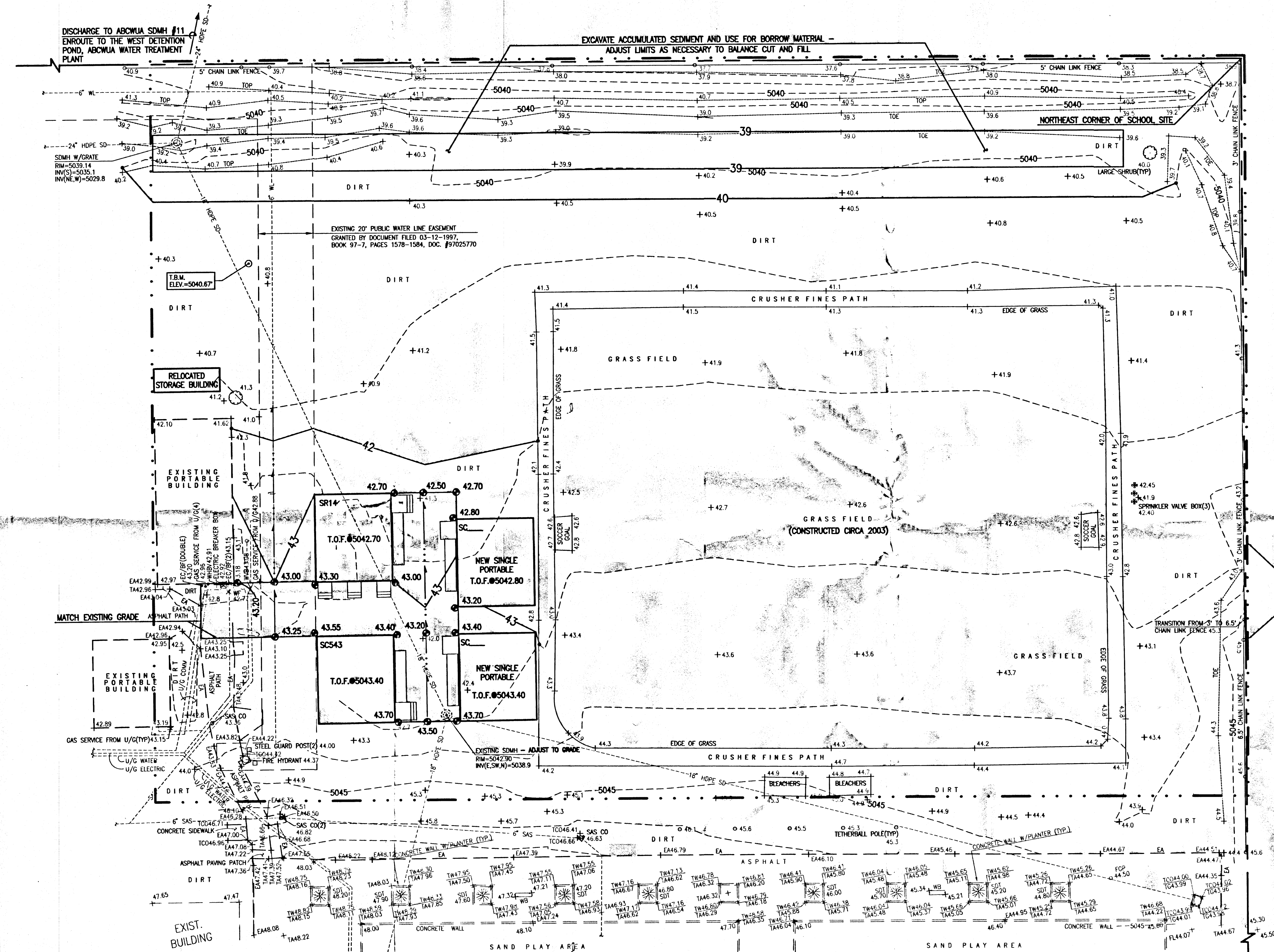
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PAVING SECTIONS AND DETAILS
PORTABLE CLASSROOM INSTALLATIONS

MISSION AVENUE ELEMENTARY SCHOOL - 725 MISSION AVENUE N.E.

DESIGNED BY	J.G.M.	DATE	05/11	BY	B.E.E.	RECORD DRAWING & CERTIFICATION	JOB NO.	2010.181.4
DRAWN BY	C.F.A.						DATE	12-2010
APPROVED BY	J.G.M.						SHEET	4 OF 16

File Path: E:\DATA\2010\181\ENCL\A1 Plot Date: 05-12-2011
File Name: 10814_SHTS-ABDWG Plot Time: 08:08 am



A1 GRADING PLAN
SCALE: 1" = 20"

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GRADING PLAN - FULL BUILD-OUT
PORTABLE CLASSROOM INSTALLATIONS
MISSION AVENUE ELEMENTARY SCHOOL - 725 MISSION AVENUE N.E.

CONSTRUCTION NOTES

- 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, AND ABASTO UTILITY LOCATING COMPANY (889-3341) FOR LOCATION OF EXISTING PRIVATE UTILITIES ON APS PROPERTY.
- 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.
- 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.
- ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.
- 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

- 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.

LEGAL DESCRIPTION

A PORTION OF MISSION AVENUE ELEMENTARY SCHOOL, ALBUQUERQUE, NEW MEXICO.

BENCHMARKS

PROJECT BENCHMARK
STANDARD A.C.S. BRASS TABLET STAMPED "3-F16", SET IN TOP OF A CONCRETE POST PROJECTING 0.3' ABOVE GROUND ON THE MEDIAN 0.7 MILES WEST FROM THE INTERCHANGE AT I-25 AND MONTANO ROAD, N.E. ELEVATION = 5029.557 FEET (NGVD 1929)

TEMPORARY BENCHMARK (T.B.M.)
#5 REBAR W/CAP STAMPED "HMC CONTROL NMPS 11184", AS SHOWN ON THIS SHEET. ELEVATION = 5040.67 FEET (NGVD 1929)

EXISTING LEGEND

BF	BUILDING FACE
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DESIGN LEGEND

25.41	PROPOSED SPOT ELEVATION
+24.86	EXISTING FLOWLINE ELEVATION
08	PROPOSED CONTOUR
5008	EXISTING CONTOUR
...	PROPOSED FLOWLINE
→	ROOF DRAINAGE
→	EXISTING ROOF DRAINAGE
---	RIGHT OF WAY LINE
---	PUBLIC EASEMENT LINE
---	PROPOSED CONCRETE
---	PROPOSED ASPHALT PAVEMENT
↑	HIGH POINT
INV	INVERT
TC	TOP OF GRATE
TG	TOP OF CURB
TA	TOP OF ASPHALT PAVEMENT

RECORD DRAWING

NOTE:
FOR PHASE I CONSTRUCTION,
SEE SHEET 5R

05/16/2011
03/08/2011
12-09-2010

DESIGNED BY	DATE	BY	REVISIONS	JOB NO.
JGM	03/11/11	JGM	PHASING	2010.181.4
CFA/CLT	03/11/11	LEE	RECORD DRAWING	DATE 12-2010
JGM				SHEET 5 OF 16

CONSTRUCTION NOTES

- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM 280-1990 (ALBUQUERQUE AREA), 1-800-321-ALERT(2537) (STATEWIDE), FOR LOCATION OF EXISTING UTILITIES, AND ABASO UTILITY LOCATING COMPANY (889-3341) FOR LOCATION OF EXISTING PRIVATE UTILITIES ON APS PROPERTY.
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- 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.
- ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.
- 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

- 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.

LEGAL DESCRIPTION

A PORTION OF MISSION AVENUE ELEMENTARY SCHOOL, ALBUQUERQUE, NEW MEXICO.

BENCHMARKS

PROJECT BENCHMARK

STANDARD A.C.S. BRASS TABLET STAMPED "3-F16", SET IN TOP OF A CONCRETE POST PROJECTING 0.3' ABOVE GROUND ON THE MEDIAN 0.7 MILES WEST FROM THE INTERCHANGE AT I-25 AND MONTANO ROAD, N.E. ELEVATION = 5029.557 FEET (NGVD 1929)

TEMPORARY BENCHMARK (T.B.M.)

#5 REBAR W/CAP STAMPED "HMC CONTROL NMPS 11184", AS SHOWN ON THIS SHEET. ELEVATION = 5040.67 FEET (NGVD 1929)

EXISTING LEGEND

BF	BUILDING FACE
CLD	CENTERLINE OF DOOR
CO	SANITARY SEWER CLEANOUT
COMM	COMMUNICATION LINE
EA	EDGE OF ASPHALT
EC	ELECTRIC CONDUIT
HOPE	HIGH DENSITY POLYETHYLENE PIPE
INV	INVERT ELEVATION
MH	MANHOLE
MHR	METAL HANDRAIL
SAS	SANITARY SEWER
SD	STORM DRAIN
TA	TOP OF ASPHALT
TCO	TOP OF CONCRETE
TP	TYPICAL
U/G	UNDERGROUND
WF	WATER FOUNTAIN
WHBV	WATER CAN/HOSE BIB VALVE
WL	WATER LINE
WVB	WATER VALVE BOX
*	DECIDUOUS TREE
○	SHRUB
*	PAINTED UTILITY MARKER

DESIGN SURVEY NOTE

THIS IS NOT A BOUNDARY SURVEY. DATA IS SHOWN FOR ORIENTATION ONLY. THE BOUNDARY INFORMATION DEPICTED BY THIS PLAN IS BASED UPON THE PLAT OF RECORD FILED DECEMBER 4, 1997, BOOK 97C, PAGE 342. TOPOGRAPHIC INFORMATION IS BASED UPON A TOPOGRAPHIC SURVEY PREPARED BY HIGH MESA CONSULTING GROUP, NMPS 11184, DATED OCTOBER, 2002, JOB NO. 2002.181.5 AND A PARTIAL TOPOGRAPHIC AND UTILITY SURVEY PREPARED BY HIGH MESA CONSULTING GROUP, NMPS NO. 11184, DATED NOVEMBER 4, 2010, JOB NO. 2010.181.3.

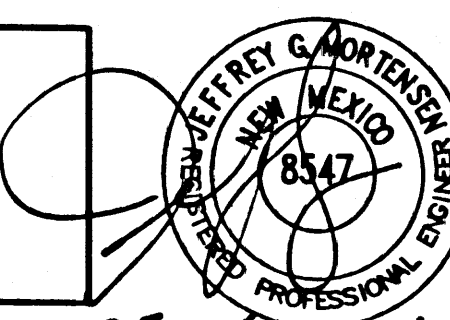
DESIGN LEGEND

25.41	PROPOSED SPOT ELEVATION
24.86	EXISTING FLOWLINE ELEVATION
08	PROPOSED CONTOUR
5008	EXISTING CONTOUR
...	PROPOSED FLOWLINE
→	ROOF DRAINAGE
→	EXISTING ROOF DRAINAGE
---	RIGHT OF WAY LINE
---	PUBLIC EASEMENT LINE
---	PROPOSED CONCRETE
---	PROPOSED ASPHALT PAVEMENT
↑	HIGH POINT
INV	INVERT
TC	TOP OF GRATE
TA	TOP OF CURB
TA	TOP OF ASPHALT PAVEMENT

RECORD DRAWING LEGEND

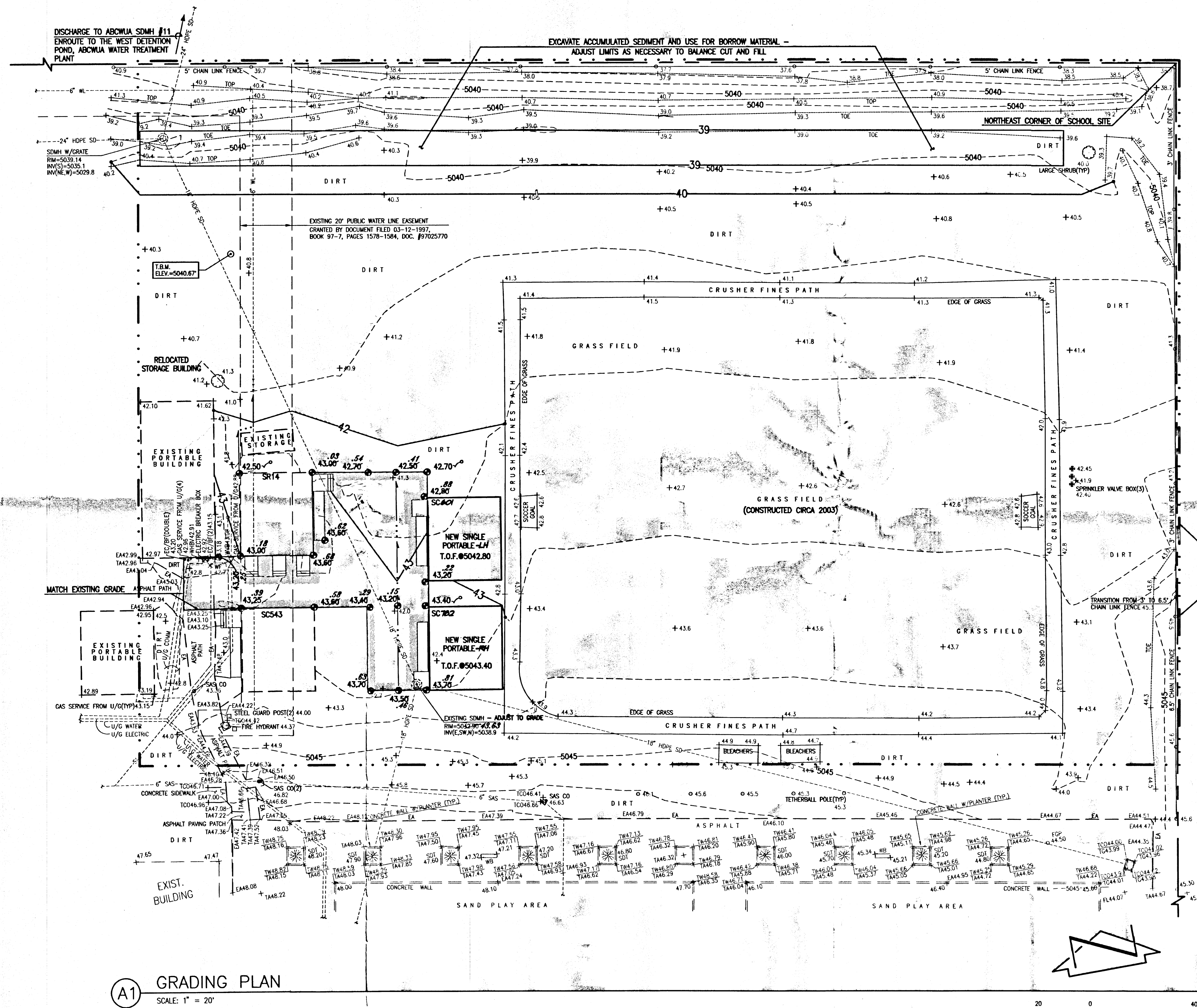
- AS-CONSTRUCTED = AS-DESIGNED
(VERIFIED BY AS-BUILT SURVEY)
- 31.8 RECORD INFORMATION FROM AS-BUILT SURVEY
+26.9 RECORD INFORMATION FROM AS-BUILT SURVEY
31.25.22 RECORD INFORMATION FROM AS-BUILT SURVEY

RECORD DRAWING
FOR CERTIFICATION, SEE SHEET 1

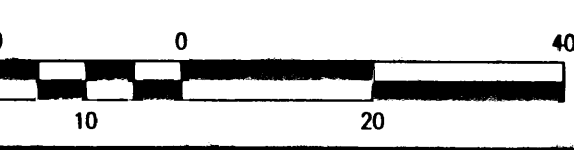
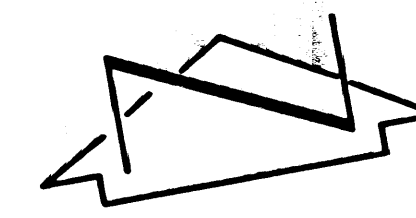


05-16-2011
03-05-2011

DESIGNED BY	J.G.M.	DATE	03/11	BY	J.G.M.	ADD THIS SHEET	REVISIONS	JOB NO.	2010.181.4
DRAWN BY	C.L.T.	DATE	05/11	BY	B.E.E.	RECORD DRAWING & CERTIFICATION		DATE	03-2011
APPROVED BY	J.G.M.							SHEET	5R OF 16



A1 GRADING PLAN
SCALE: 1" = 20'



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

GRADING PLAN - PHASE I
PORTABLE CLASSROOM INSTALLATIONS
MISSION AVENUE ELEMENTARY SCHOOL - 725 MISSION AVENUE N.E.

File Path: E:\WA 2010\181\A1\DWG\A1 Plot Date: 05-12-2011
File Name: 10181A_SHTSR-ABDWG Plot Time: 08:08 am

RECORD INFORMATION LEGEND

CONSTRUCT	RECORD INFORMATION (VERIFIED BY ENGINEER)
✓	AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY ENGINEER)
3/8" 42"	RECORD INFORMATION (VERIFIED BY ENGINEER)
+25.2	RECORD INFORMATION (VERIFIED BY ENGINEER)
28.98.42	RECORD INFORMATION (VERIFIED BY ENGINEER)
✓	AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY AS-BUILT SURVEY)
XL 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

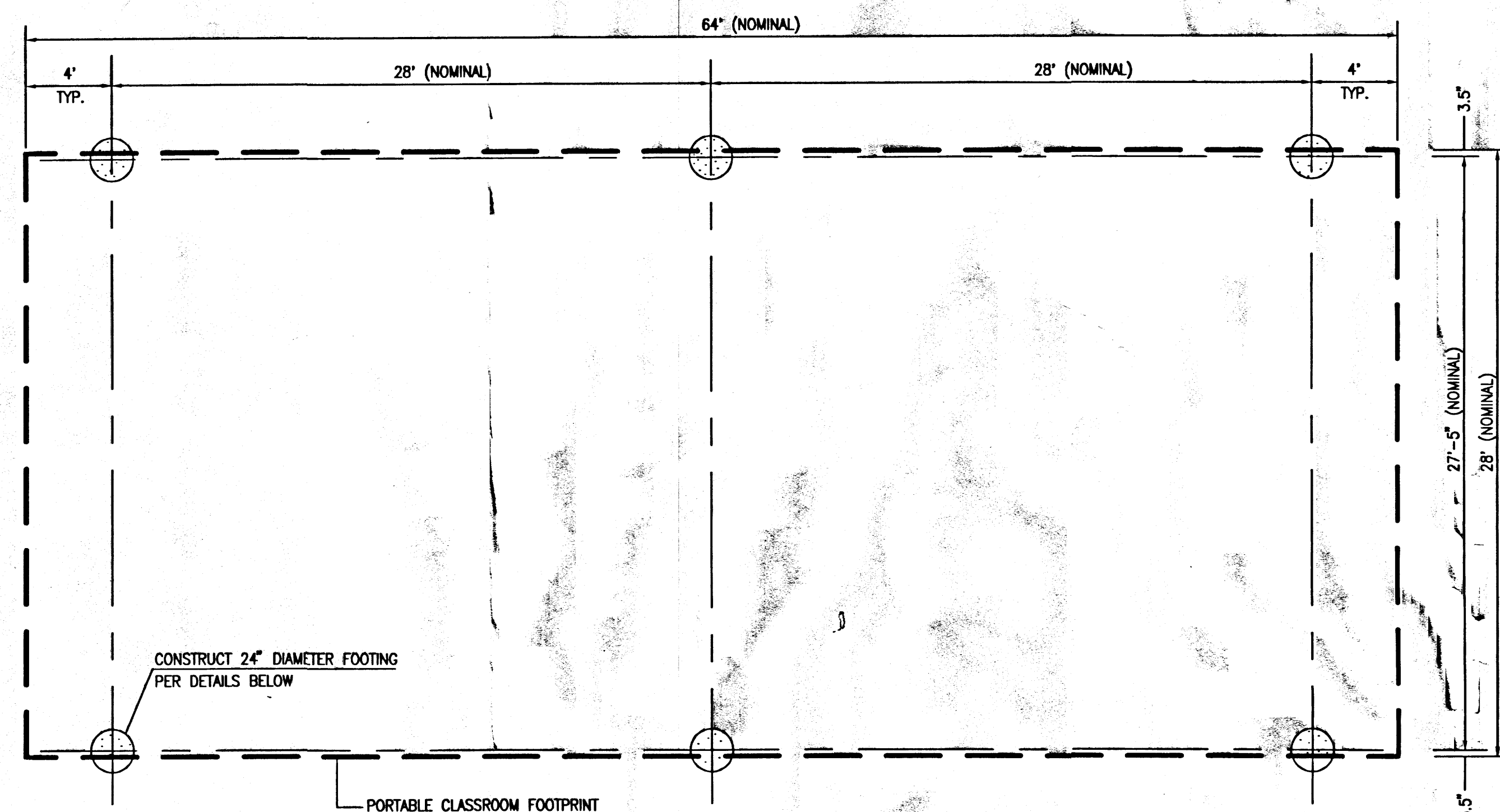
CERTIFICATE OF SUBSTANTIAL COMPLIANCE

I, JEFFREY G. MORTENSEN, NMPE 8547, OF THE FIRM HIGH MESA CONSULTING GROUP, HEREBY CERTIFY THAT THE IMPROVEMENTS DEPICTED HEREON HAVE BEEN INSPECTED BY ME OR PERSONNEL UNDER MY DIRECT SUPERVISION AND, TO THE BEST OF MY KNOWLEDGE AND BELIEF, HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS DATED 03-08-2011. THE RECORD INFORMATION EDITED ONTO THIS ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED FROM AN AS-BUILT SURVEY CONDUCTED BY HIGH MESA CONSULTING GROUP UNDER THE DIRECTION OF CHARLES G. CALA, JR., NMPS 11184, DATED 03-25-2011, AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

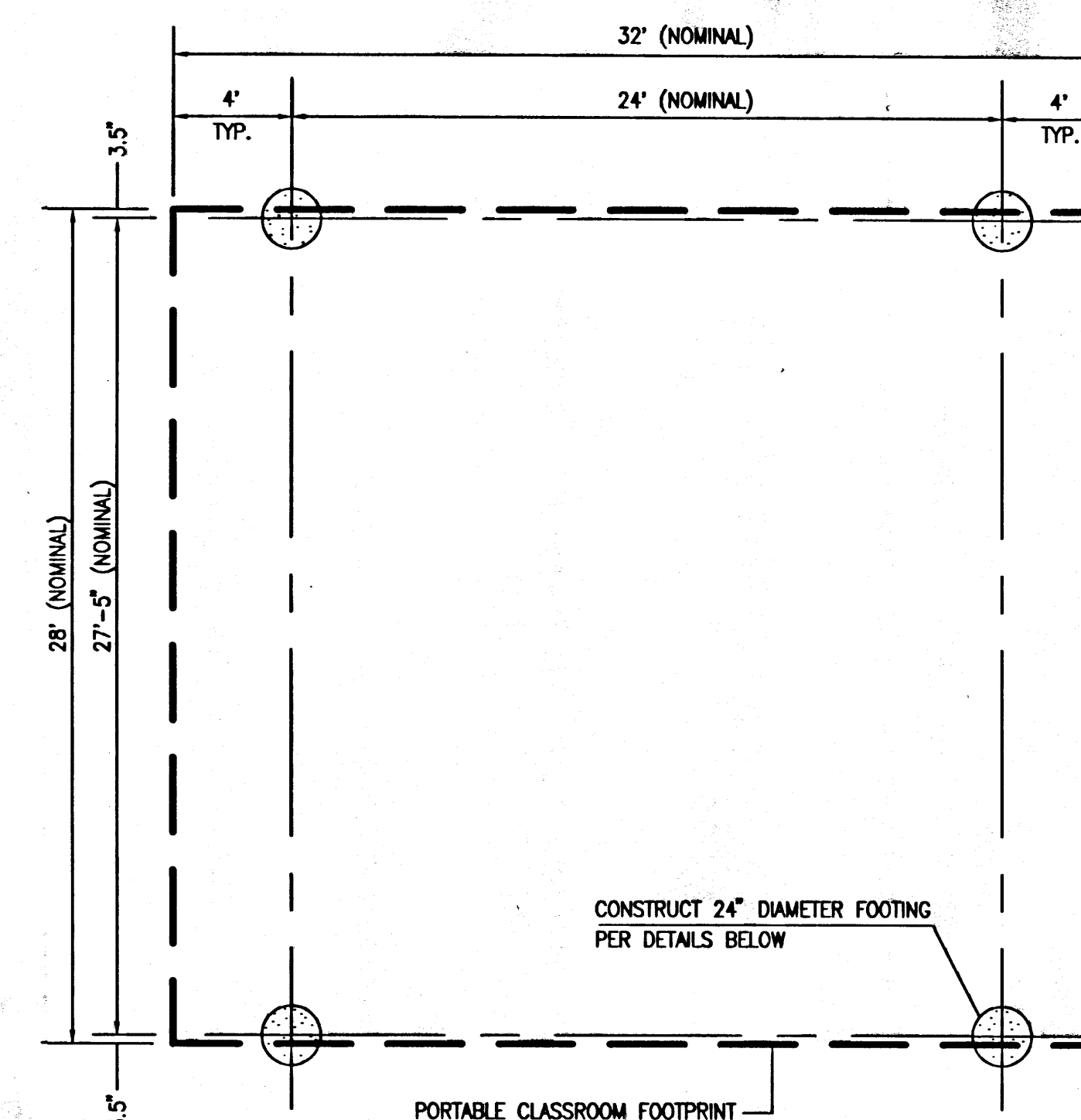
THIS RECORD INFORMATION IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE DESIGN INTENT OF THIS PROJECT. THOSE RELYING ON THIS DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR ACCEPTANCE OF THE PROJECT BY THE CITY OF ALBUQUERQUE AND TO DOCUMENT COMPLETION FOR THE OWNER.



JEFFREY G. MORTENSEN, NMPE 8547
DATE 03-31-2011

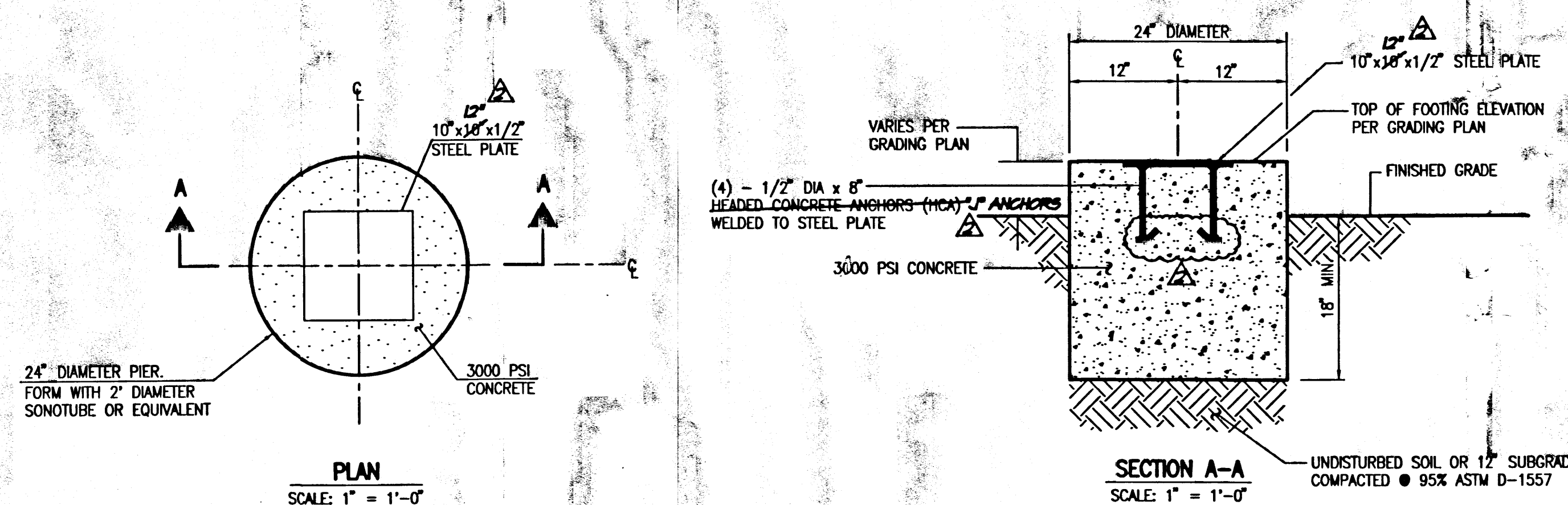


C1 DOUBLE PORTABLE CLASSROOM FOUNDATION PLAN
SCALE: 1" = 5' - 0"

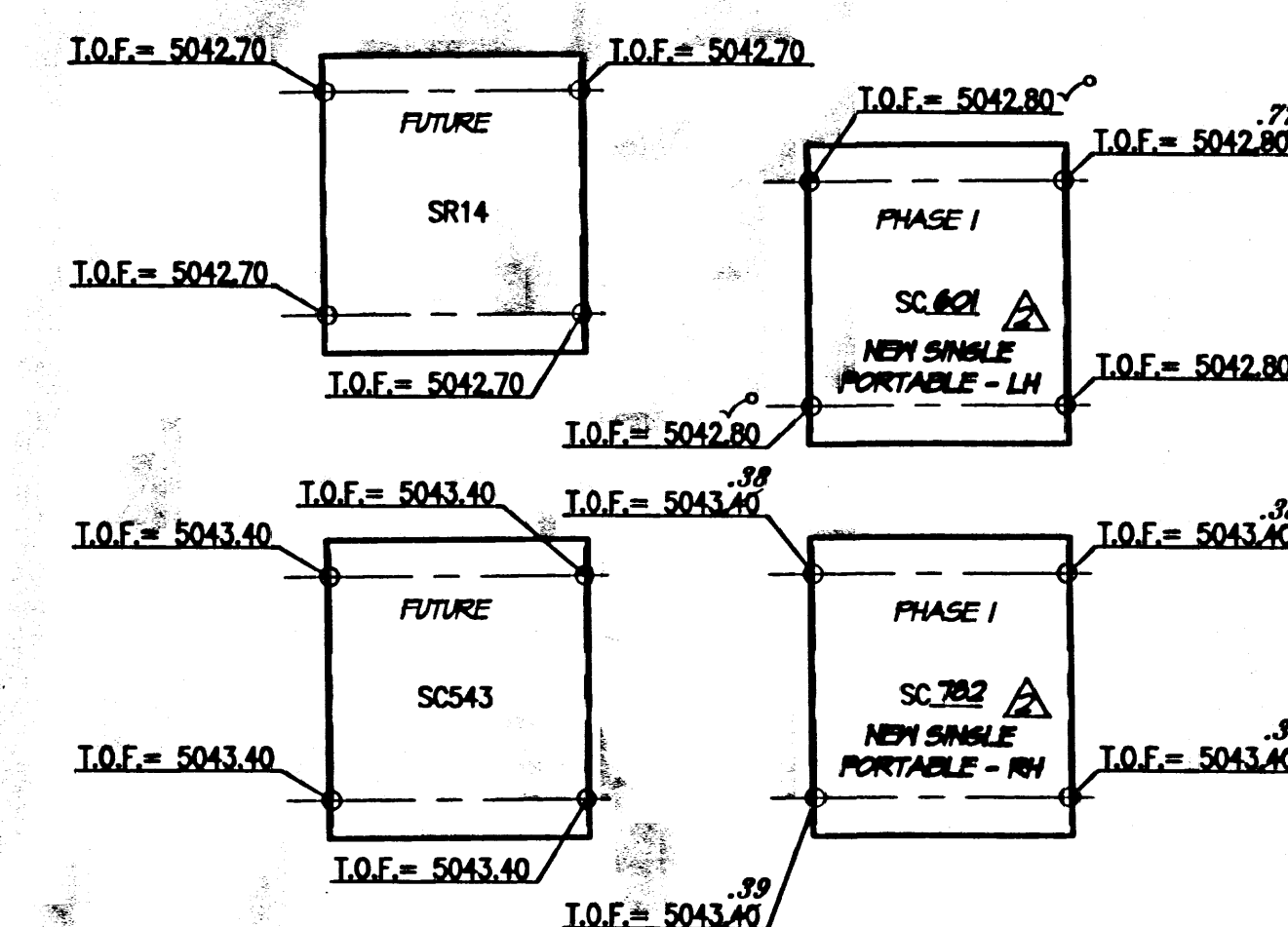


C5 SINGLE PORTABLE CLASSROOM FOUNDATION PLAN
SCALE: 1" = 5' - 0"

RECORD DRAWING



A1 FOOTING DETAILS
SCALE: 1" = 1'-0"



A5 FOUNDATION PLAN
SCALE: 1" = 1'-0"

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APS PORTABLE CLASSROOM FOUNDATION PLAN - PHASE I
PORTABLE CLASSROOM INSTALLATIONS

MISSION AVENUE ELEMENTARY SCHOOL - 725 MISSION AVENUE N.E.

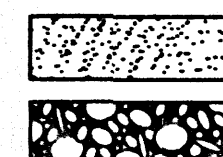
DESIGNED BY	J.G.M.	DATE	03/11/11	BY	J.G.M.	ADD THIS SHEET	JOB NO.	2010.181.4
DRAWN BY	C.L.T.	DATE	03/11/11	BY	B.E.E.	RECORD DRAWINGS AND CERTIFICATION	DATE	3-2011
APPROVED BY	J.G.M.	DATE		BY			SHEET	9R OF 16

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File Name: 101814_S101R-02.dwg Plot Time: 10:09 am

LEGEND

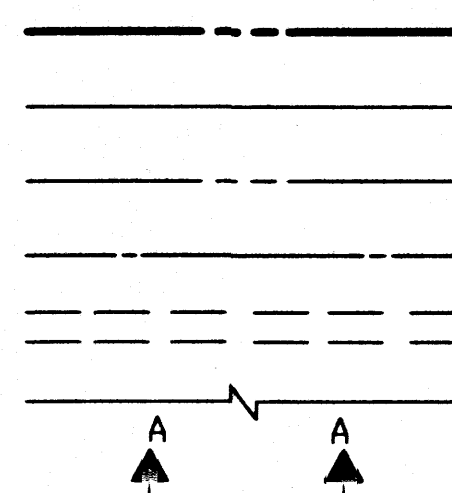
MATERIALS

CONCRETE
RIP-RAP



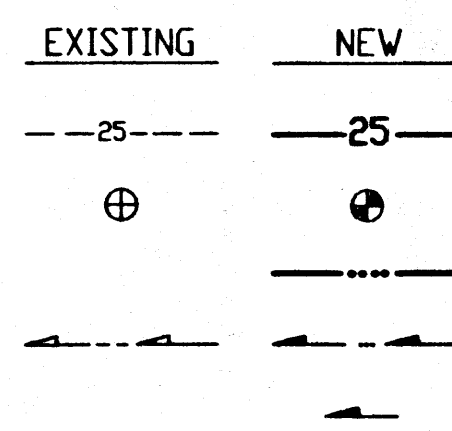
LINES

SUBDIVISION BOUNDARY
PROPERTY LINE (PLAN)
PROPERTY LINE (SECTION)
CENTERLINE
EASEMENT LINE
MATCH LINE
SECTION CUT LINE



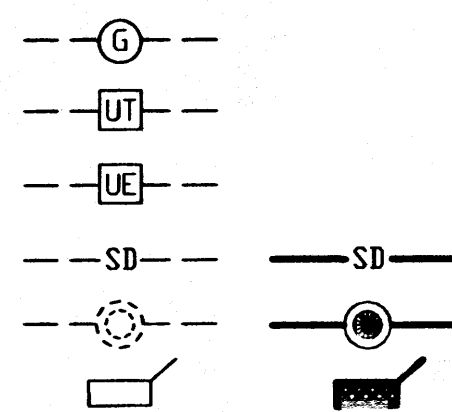
EARTHWORK

CONTOUR LINE
SPOT ELEVATION
PROJECT / PHASE BOUNDARY
FLOWLINE
DIRECTION OF FLOW



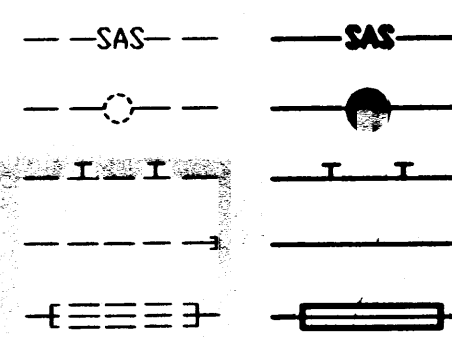
MISCELLANEOUS UTILITIES

GAS LINE
UNDERGROUND TELEPHONE
UNDERGROUND ELECTRICAL
STORM DRAIN
STORM DRAIN MANHOLE
STORM DRAIN INLET



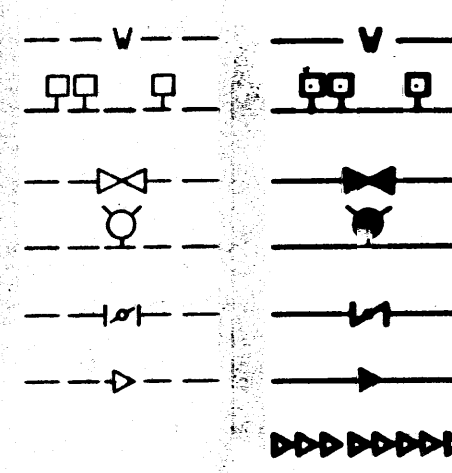
SANITARY SEWER

SANITARY SEWER LINE
SANITARY SEWER MANHOLE
SAS SERVICE CONNECTIONS
SAS CAP OR PLUG
ENCASEMENT



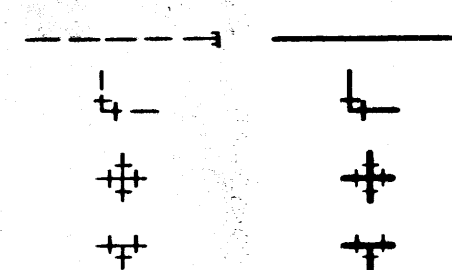
WATER

WATER LINE
WATER SERVICE CONNECTIONS
GATE VALVE
FIRE HYDRANT
BUTTERFLY VALVE
REDUCER
WATER PRESSURE ZONE BOUNDARY



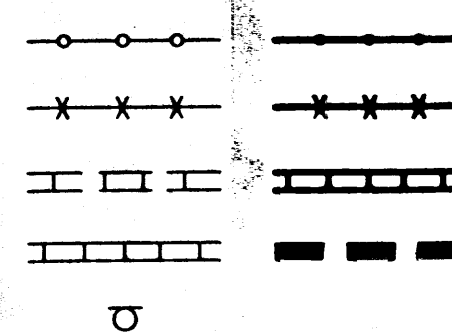
WATER FITTINGS

CAPS AND PLUGS
ELBOW
CROSS
TEE



MISCELLANEOUS

CHAINLINK FENCE
FIELD FENCE
COMMON YARD WALL
RETAINING WALL
POWER OR TELEPHONE POLE

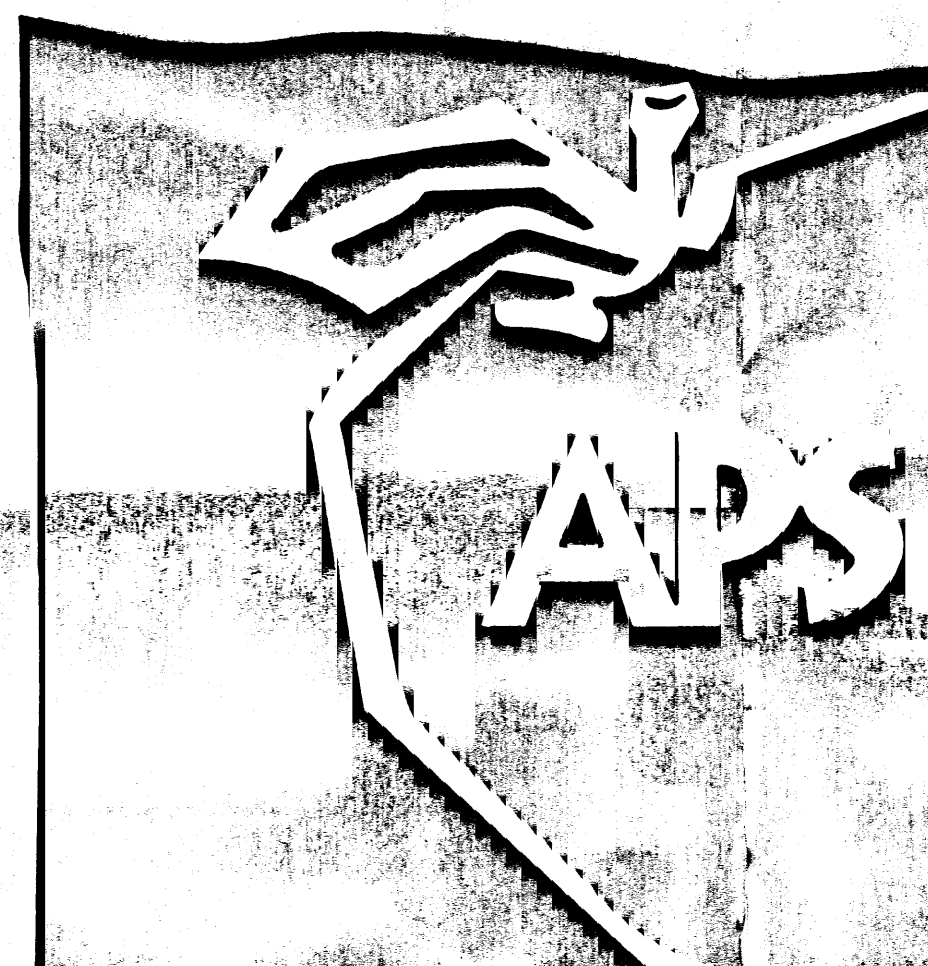


CONSTRUCTION PLANS

for

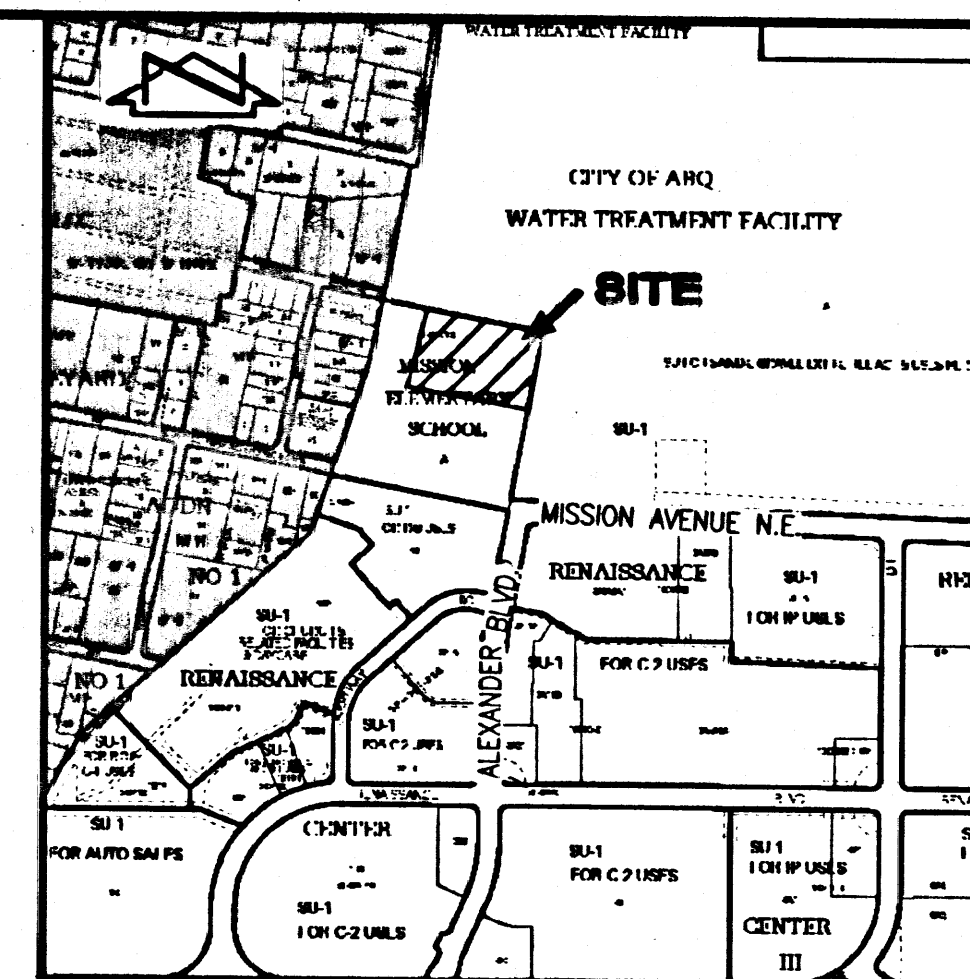
PORTABLE CLASSROOM INSTALLATIONS - MISSION AVENUE ELEMENTARY SCHOOL

725 MISSION AVENUE, N.E.
ALBUQUERQUE, NEW MEXICO
DECEMBER, 2010



INDEX OF DRAWINGS

SHEET	DESCRIPTION
1	COVER SHEET, VICINITY MAP, GENERAL NOTES, LEGEND AND INDEX OF DRAWINGS
2	DEMOLITION PLAN (FOR EXISTING CONDITIONS)
3	SITE PLAN (NOT PART OF DRAINAGE SUBMITTAL)
4	PAVING SECTIONS AND DETAILS
5	GRADING PLAN
6	DRAINAGE PLAN AND CALCULATIONS
7	UTILITY SITE PLAN (NOT PART OF DRAINAGE SUBMITTAL)
8	TYPICAL PORTABLE CLASSROOM UTILITY CONNECTION DETAILS (NOT PART OF DRAINAGE SUBMITTAL)
9	PORTABLE CLASSROOM FOUNDATION PLAN (NOT PART OF DRAINAGE SUBMITTAL)
10	TYPICAL APS PORTABLE CLASSROOM RAMPS & STAIRS DETAILS (NOT PART OF DRAINAGE SUBMITTAL)
11	TYPICAL APS STORAGE AND RESTROOM PORTABLE RAMPS & STAIRS DETAILS (NOT PART OF DRAINAGE SUBMITTAL)



VICINITY MAP
SCALE: 1" = 750'

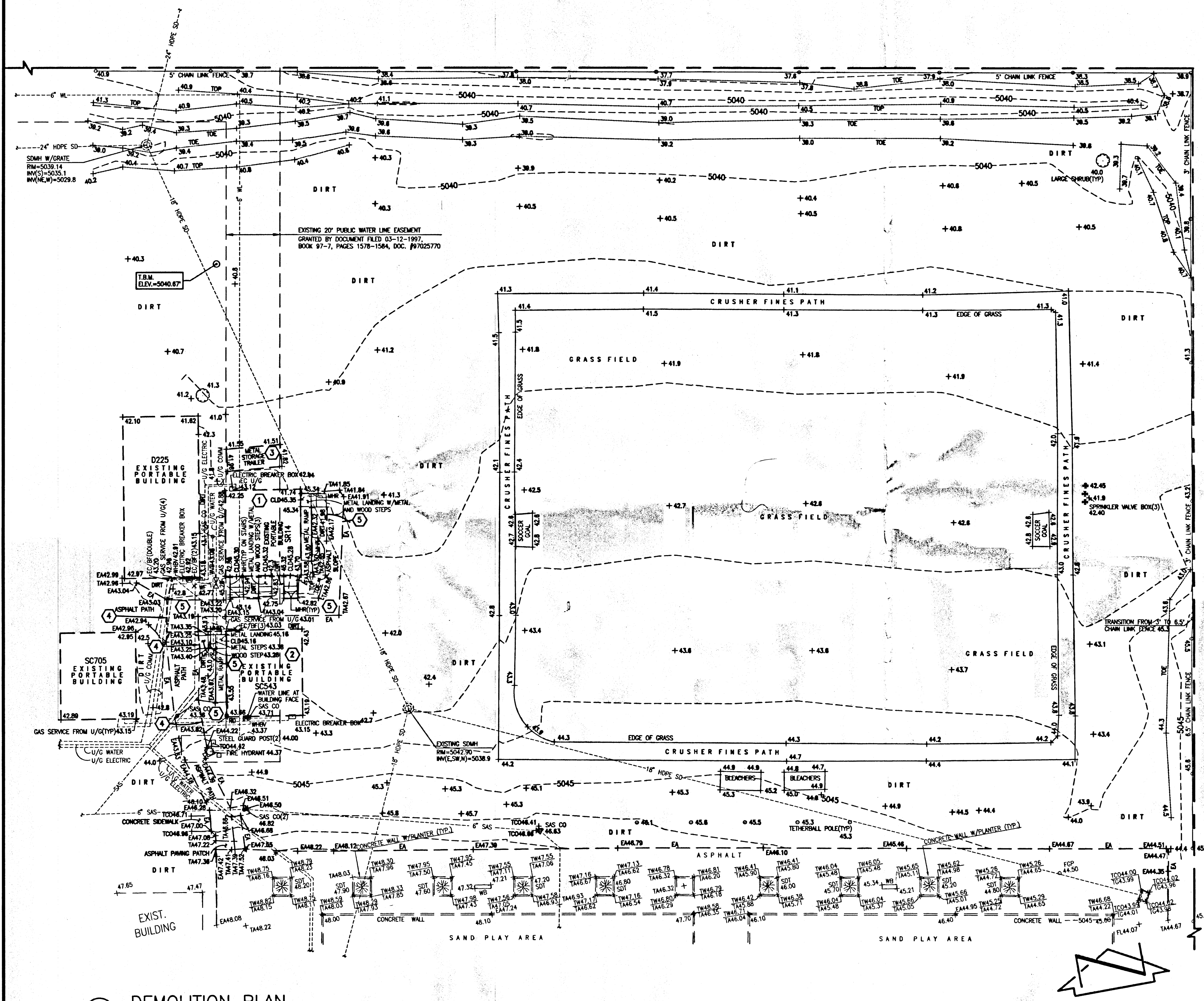
GENERAL NOTES

- 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 NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - 1987, PUBLISHED BY THE NEW MEXICO CHAPTER AMERICAN PUBLIC WORKS ASSOCIATION. (REVISED 12/06)
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 280-1990, (ALBUQUERQUE AREA) 1-800-321-ALERT (2537) (STATEWIDE) FOR LOCATION OF EXISTING PUBLIC UTILITIES AND ABASTO UTILITY LOCATING COMPANY (888-3341) FOR THE LOCATION OF EXISTING PRIVATE UTILITIES ON APS PROPERTY.
- 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.
- 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 MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.
- 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 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.
- CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO ENSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE ENGINEER. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED.
- ALL PAVEMENT MARKINGS AND TRAFFIC SIGNS SHALL COMPLY WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION, LATEST EDITION.
- IF THE REMOVAL OF EXISTING CURB AND GUTTER, SIDEWALK, AND/OR PAVING IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. WHEN ABUTTING NEW PAVEMENT TO EXISTING, THE CONTRACTOR SHALL CUT BACK THE EXISTING PAVING TO A STRAIGHT LINE IN ORDER TO REMOVE ANY BROKEN OR CRACKED PAVEMENT. CURB AND GUTTER AND/OR PAVEMENT SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT AND WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
- 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.
- 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.
- 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.
- 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING APPROPRIATE MEANS AND METHODS TO EXCAVATE AND TRENCH AND/OR INSTALL PIPE SO AS TO NOT EXCEED RIGHT-OF-WAY OR EASEMENT LIMITS, AND SO AS NOT TO INTERFERE WITH OTHER UTILITIES OR IMPROVEMENTS. THIS SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, SUPPORTING AND REPLACING, IF DAMAGED, ALL UTILITIES ENCOUNTERED DURING CONSTRUCTION. THIS SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
- ALL DIMENSIONS AND RADII OF CURB, CURB RETURNS, AND WALLS ARE SHOWN TO THE FACE OF CURB AND/OR WALL.
- THE CONTRACTOR SHALL NOTIFY THE OWNER 48 HOURS PRIOR TO STRIPING SO THAT LAYOUT CAN BE VERIFIED.
- 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 INTERFERENCES IT MAKES WITHOUT FIRST CONTACTING THE ENGINEER AS REQUIRED ABOVE.
- WHEN APPLICABLE, CONTRACTOR SHALL SECURE, ON BEHALF OF THE OWNER AND OPERATORS, "TOPSOIL DISTURBANCE PERMIT" FROM THE CITY AND/OR FILE A NOTICE OF INTENT (N.O.I.) WITH THE EPA PRIOR TO BEGINNING CONSTRUCTION.
- ALL FILL SHALL BE CLEAN, FREE FROM VEGETATION, DEBRIS, AND OTHER DELETERIOUS MATERIALS, AND SHALL NOT BE CONTAMINATED WITH HYDROCARBONS OR OTHER CHEMICAL CONTAMINANTS.
- ALL FILL SHALL BE COMPACTED TO A MINIMUM OF 95% ASTM D-1557 UNLESS A GREATER COMPACTION REQUIREMENT IS OTHERWISE SPECIFIED.
- 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.

JOB NO. 2010.181.4

RECEIVED

REV.	SHEETS	CITY	ENGINEER	DATE	USER	DEPARTMENT	DATE	SECTION	USER	DEPARTMENT	DATE
APPROVAL OF REVISIONS											
HIGH MESA Consulting Group 6010-B MIDWAY PARK BLVD. NE • ALBUQUERQUE, NEW MEXICO 87109 PHONE: 505.345.4250 • FAX: 505.345.4254 • www.hghmesa.com APPROVED FOR CONSTRUCTION C.E. SHEET 1 OF 11											



DEMOLITION KEYED NOTES:
1 REMOVE AND RELOCATE EXISTING RESTROOM PORTABLE BUILDING; REMOVE AND DISPOSE OF EXISTING FOOTINGS; DISCONNECT AND TERMINATE EXISTING UTILITY SERVICES
2 REMOVE AND RELOCATE EXISTING SINGLE CLASSROOM PORTABLE BUILDING; REMOVE AND DISPOSE OF EXISTING FOOTINGS; DISCONNECT AND TERMINATE EXISTING UTILITY SERVICES
3 REMOVE AND RELOCATE EXISTING STORAGE CONTAINER
4 NEATLY SAWCUT EXISTING ASPHALT PAVING
5 REMOVE AND DISPOSE OF EXISTING ASPHALT PAVING

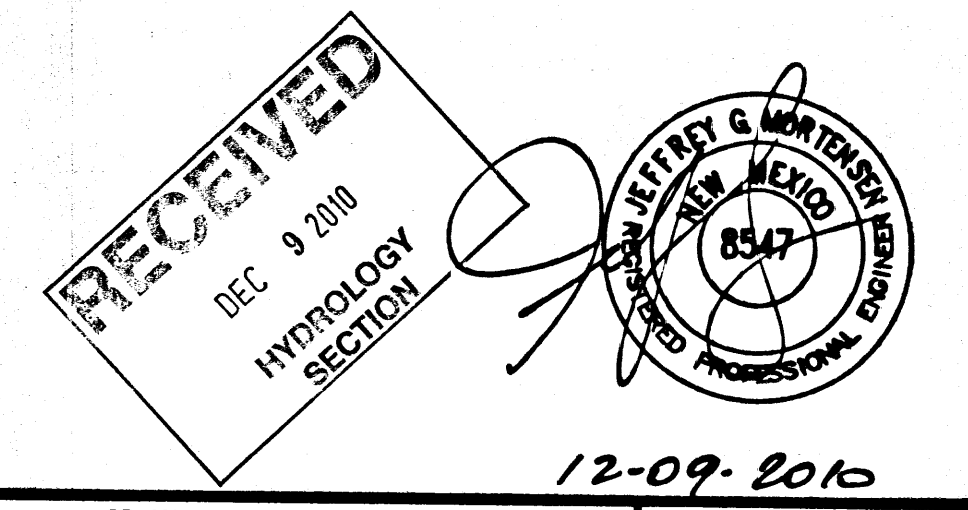
LEGAL DESCRIPTION
A PORTION OF MISSION AVENUE ELEMENTARY SCHOOL, ALBUQUERQUE, NEW MEXICO.

BENCHMARKS
PROJECT BENCHMARK
STANDARD A.C.S. BRASS TABLET STAMPED "3-F16", SET IN TOP OF A CONCRETE POST PROJECTING 0.3' ABOVE GROUND ON THE MEDIAN 0.7 MILES WEST FROM THE INTERCHANGE AT I-25 AND MONTANA ROAD, N.E. ELEVATION = 5029.557 FEET (NGVD 1929)
TEMPORARY BENCHMARK (T.B.M.)
#5 REBAR W/CAP STAMPED "HMC CONTROL NMPS 11184", AS SHOWN ON THIS SHEET. ELEVATION = 5040.67 FEET (NGVD 1929)

EXISTING LEGEND
BF BUILDING FACE
CLD CENTERLINE OF DOOR
CO SANITARY SEWER CLEANOUT
COMM COMMUNICATION LINE
EA EDGE OF ASPHALT
EC ELECTRIC CONDUIT
HDPE HIGH DENSITY POLYETHYLENE PIPE
INV INVERT ELEVATION
MH MANHOLE
MHR METAL HANDRAIL
SAS SANITARY SEWER
SD STORM DRAIN
TA TOP OF ASPHALT
TCO TOP OF CONCRETE
TYP TYPICAL
U/G UNDERGROUND
WF WATER FOUNTAIN
WHBV WATER CAN/HOSE BIB VALVE
WL WATER LINE
WVB WATER VALVE BOX
* DECIDUOUS TREE
O SHRUB
* PAINTED UTILITY MARKER

DESIGN SURVEY NOTE
THIS IS NOT A BOUNDARY SURVEY. DATA IS SHOWN FOR ORIENTATION ONLY. THE BOUNDARY INFORMATION DEPICTED BY THIS PLAN IS BASED UPON THE PLAT OF RECORD FILED DECEMBER 4, 1997, BOOK 97C, PAGE 342. TOPOGRAPHIC INFORMATION IS BASED UPON A TOPOGRAPHIC SURVEY PREPARED BY HIGH MESA CONSULTING GROUP, NMPS 11184, DATED OCTOBER, 2002, JOB NO. 2002.181.5 AND A PARTIAL TOPOGRAPHIC AND UTILITY SURVEY PREPARED BY HIGH MESA CONSULTING GROUP, NMPS NO. 11184, DATED NOVEMBER 4, 2010, JOB NO. 2010.181.3.

A1 DEMOLITION PLAN
SCALE: 1" = 20'

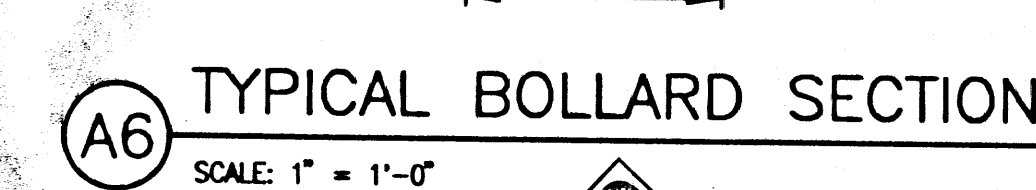
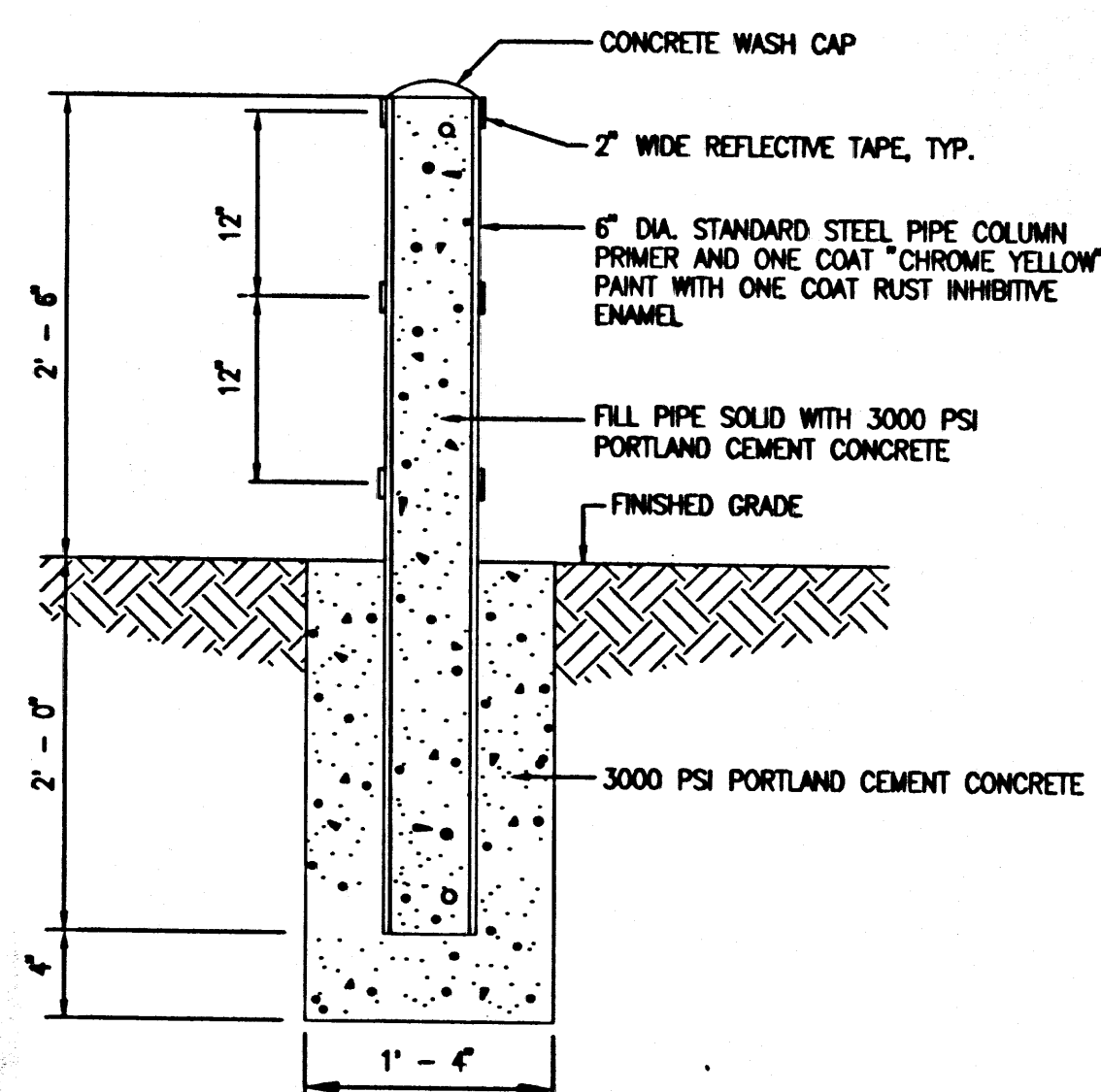
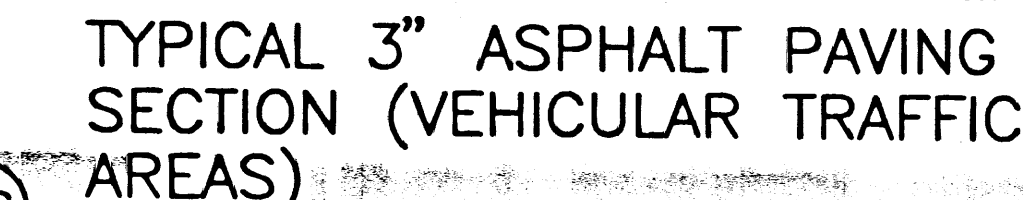
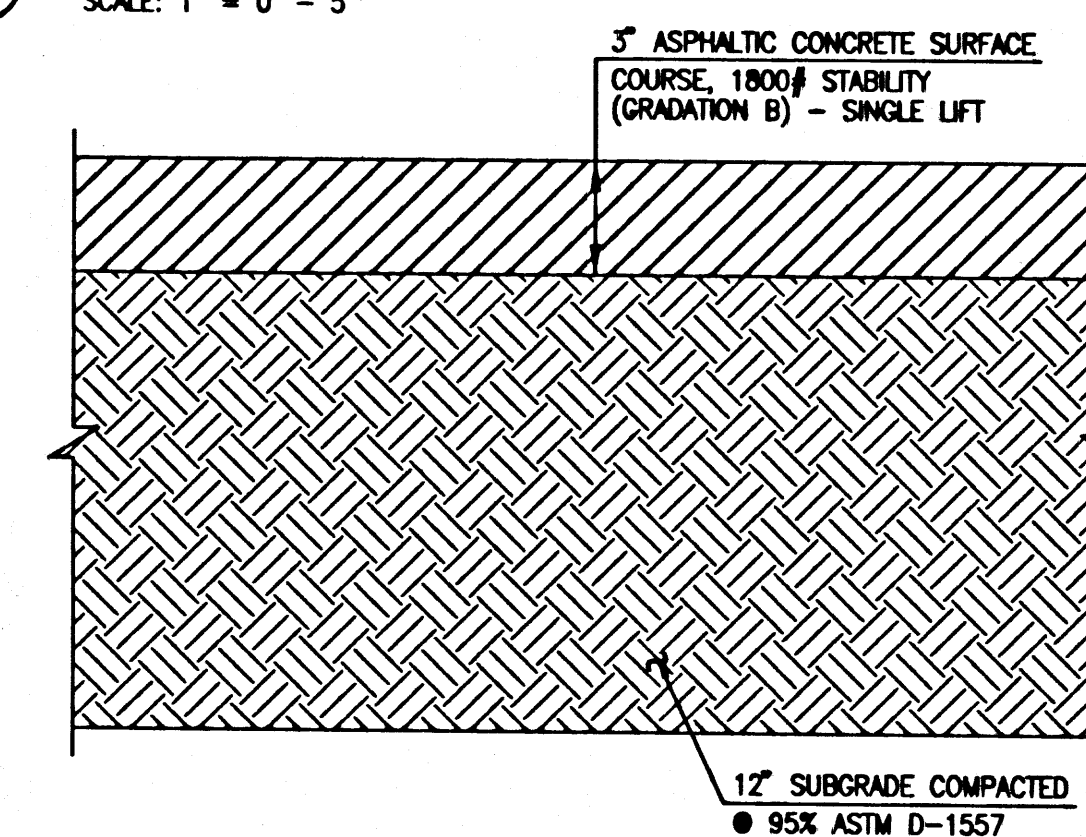
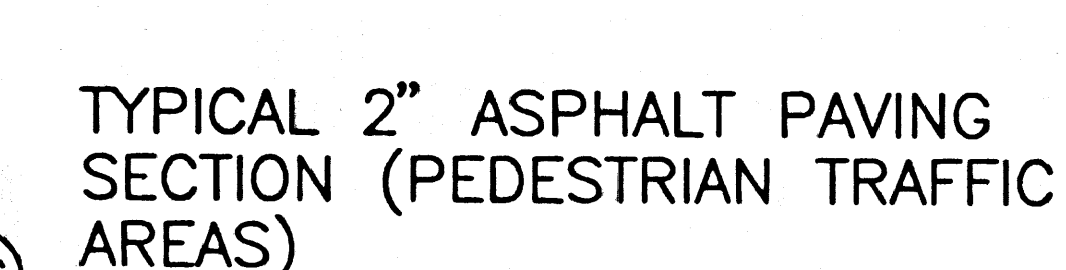
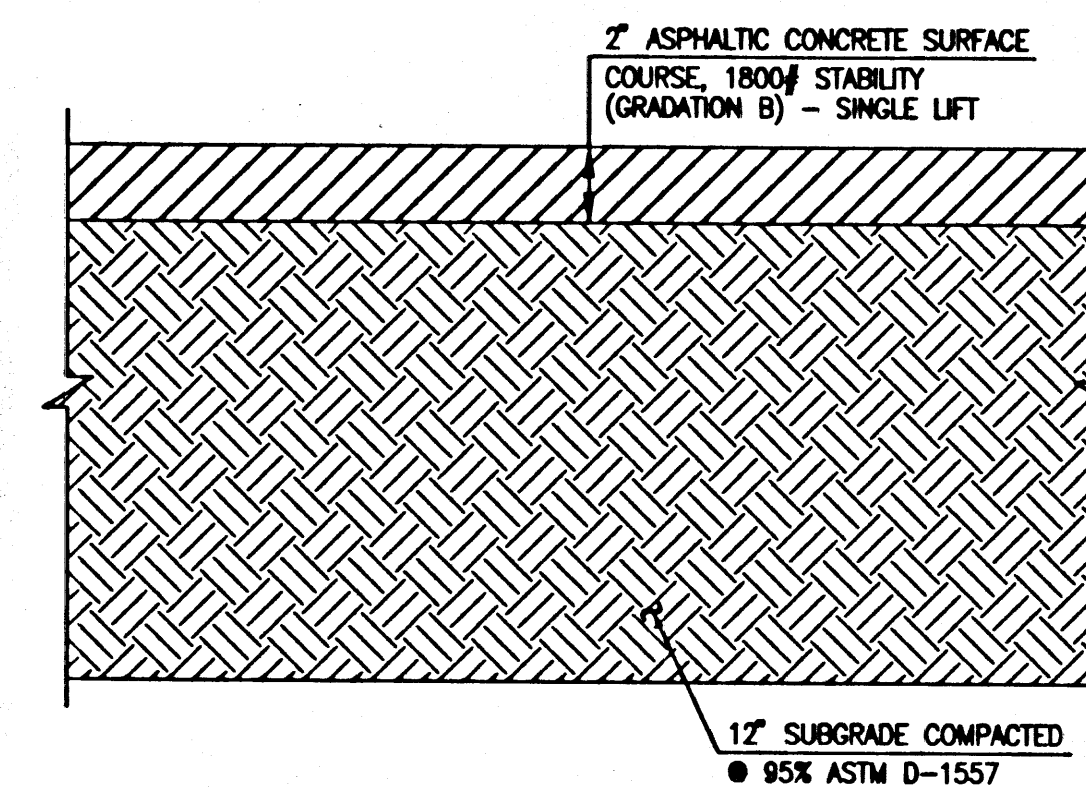
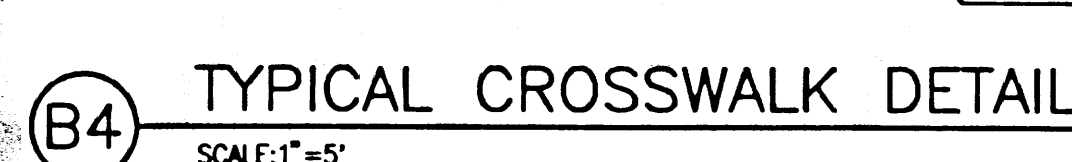
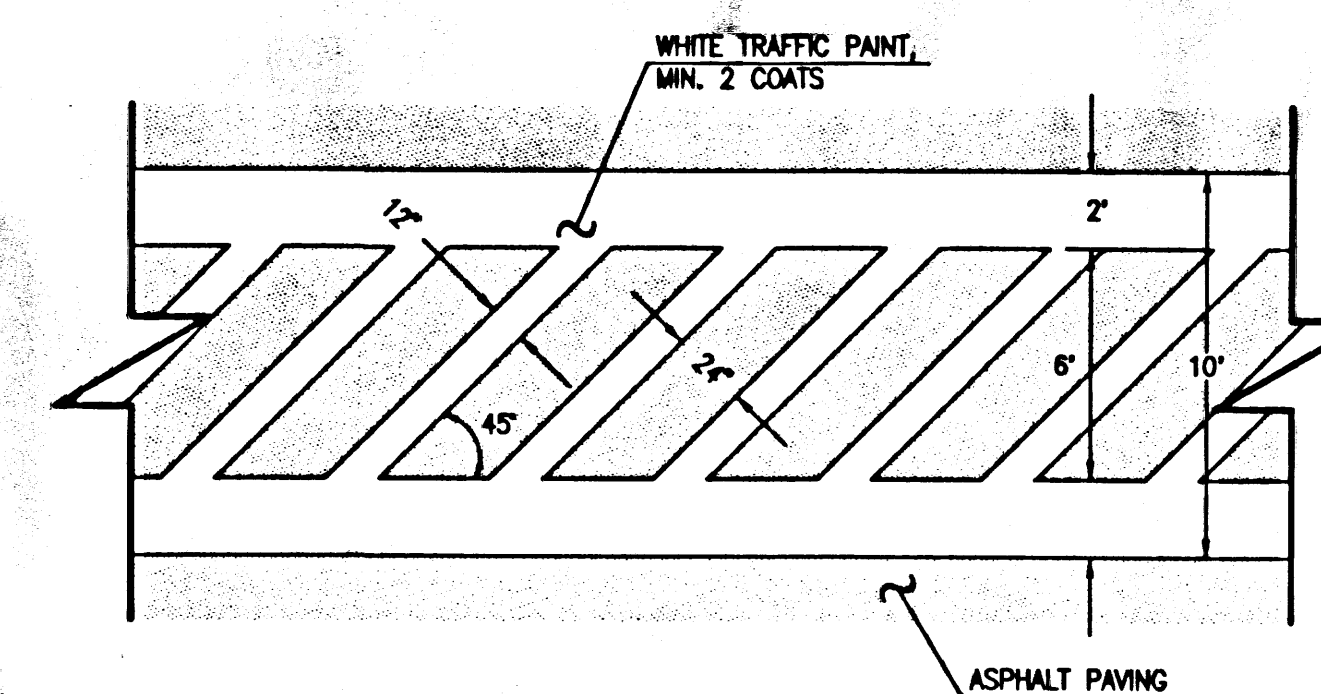
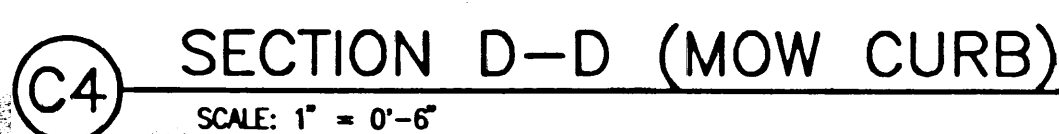
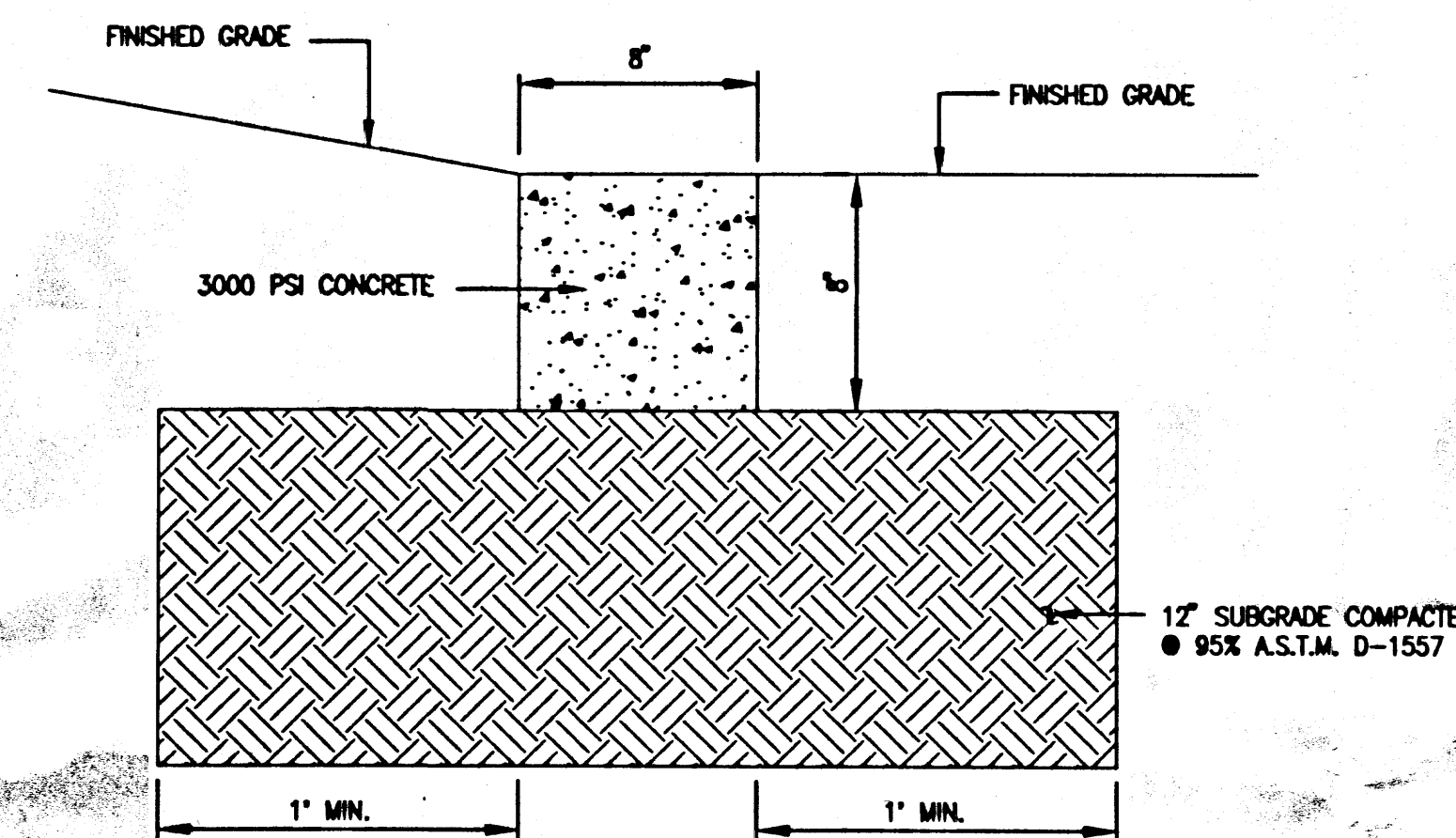
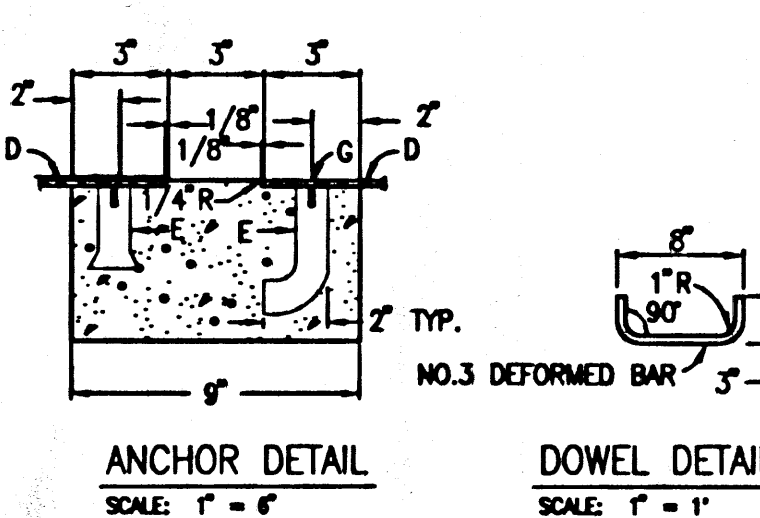
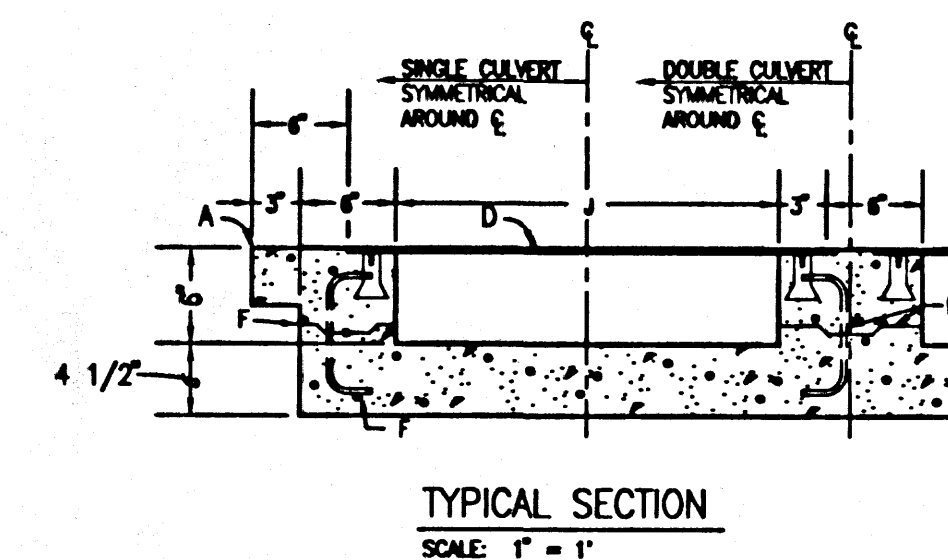
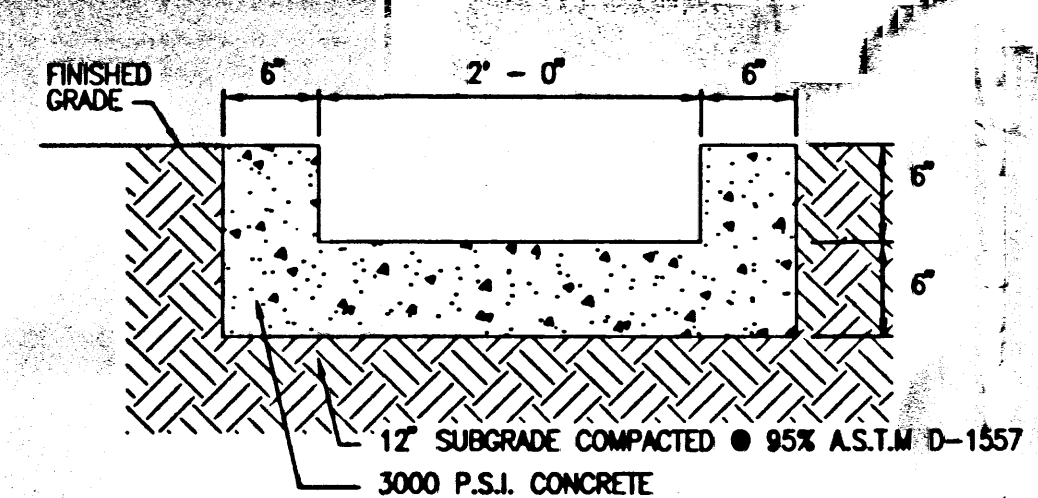
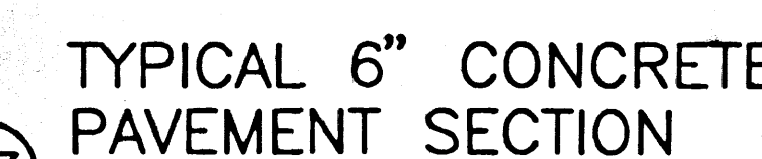
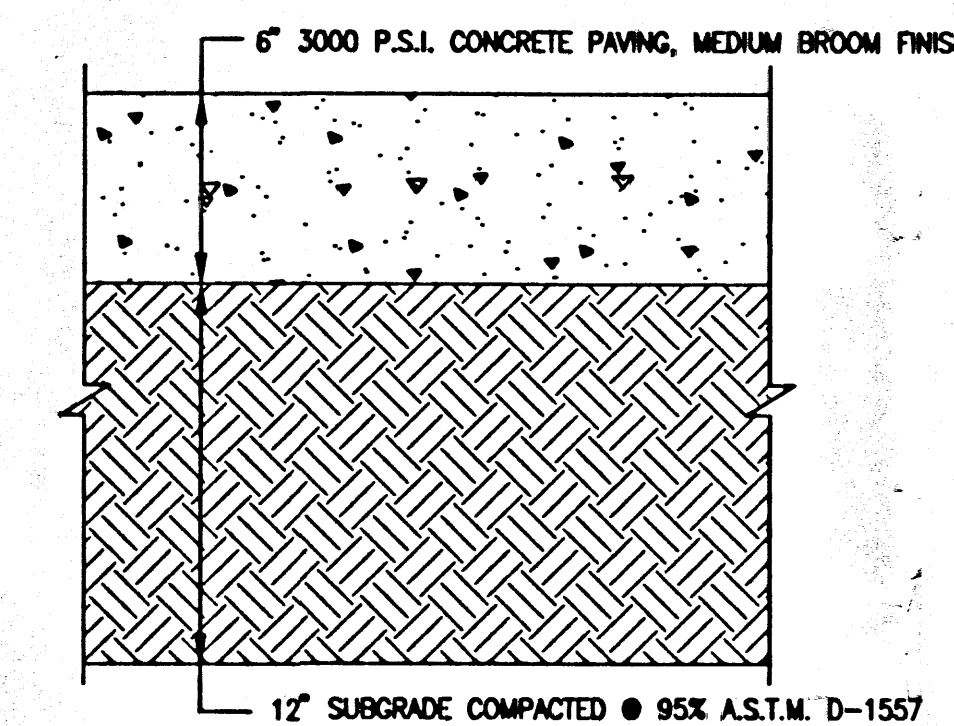
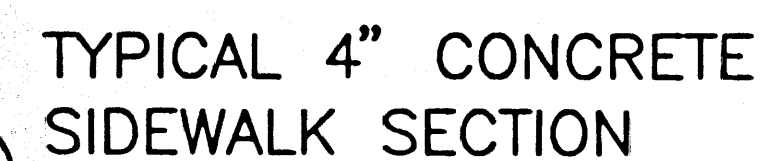
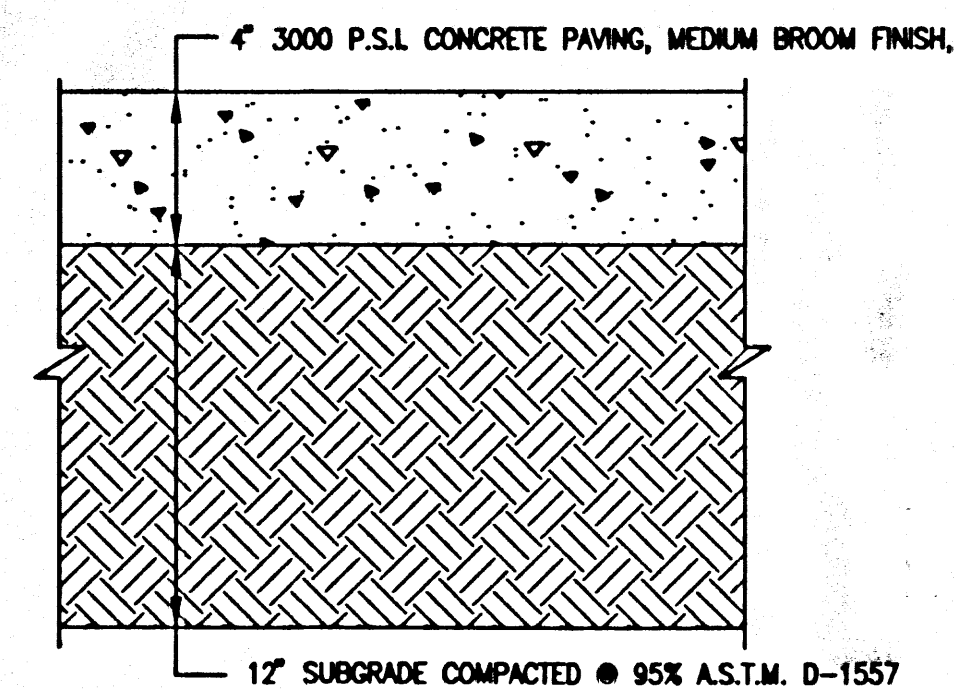
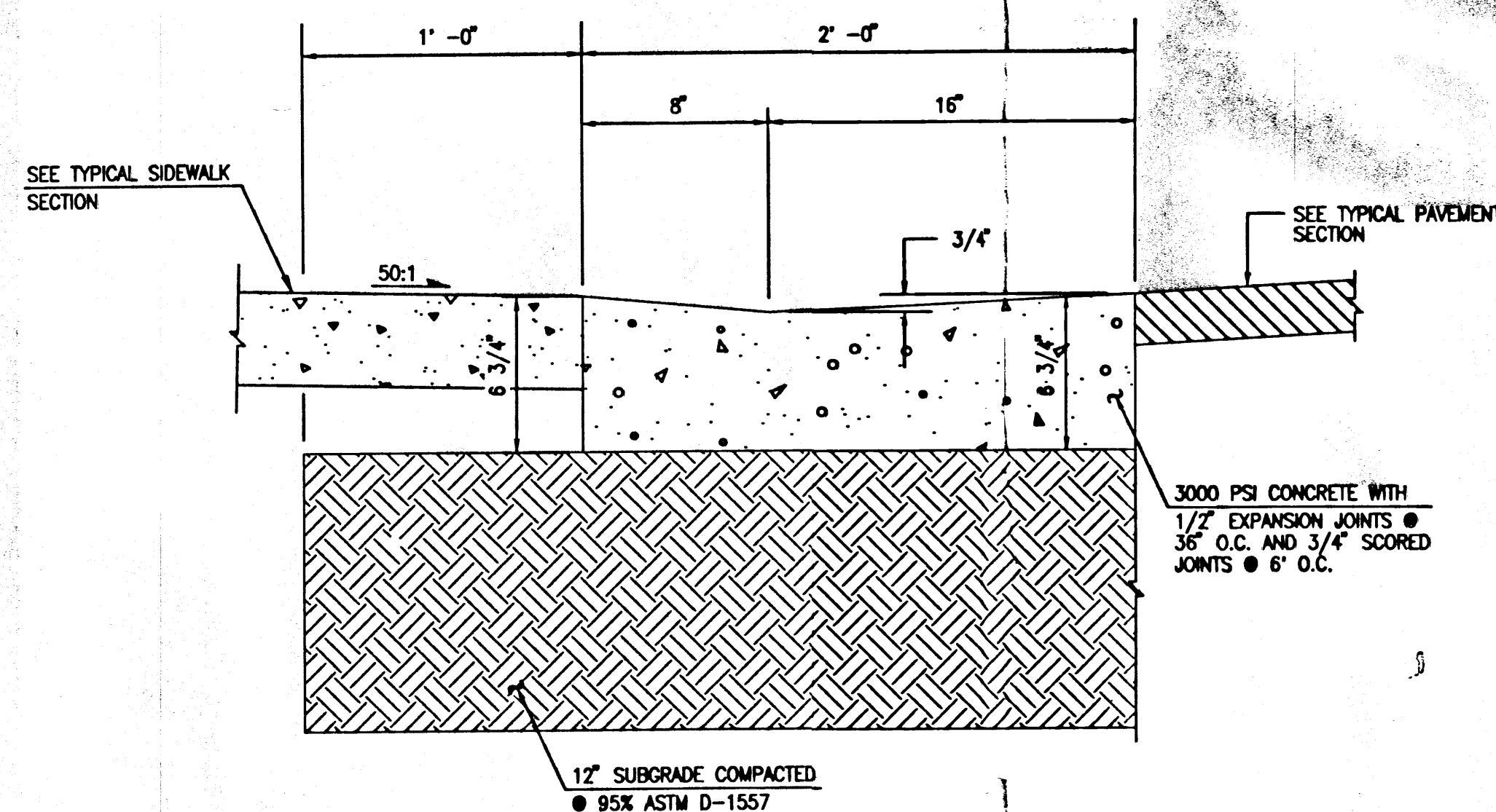
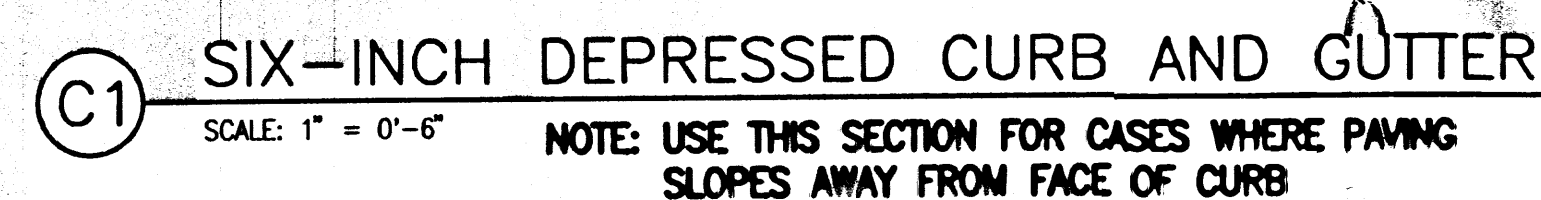
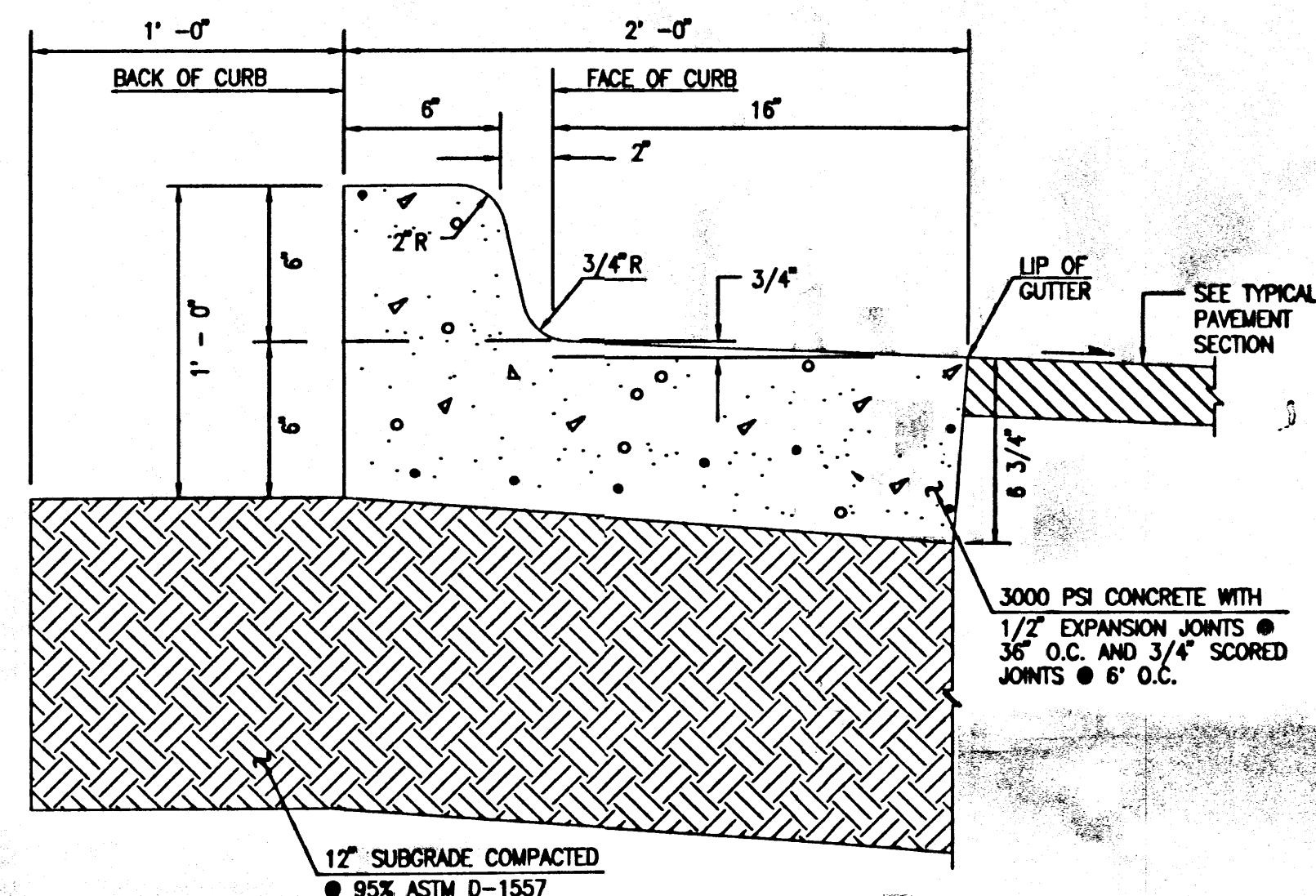
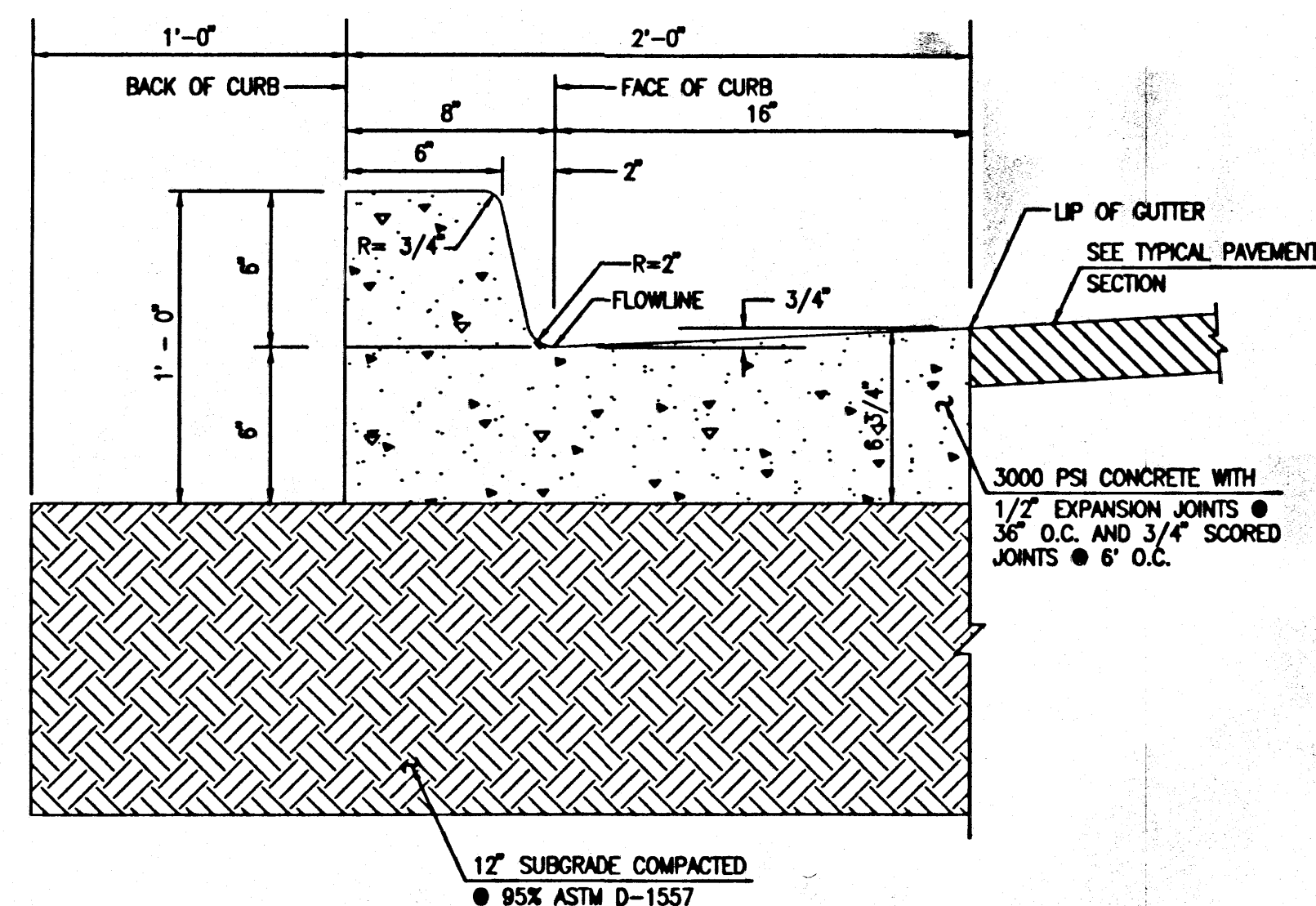


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HIGH MESA Consulting Group
6010-B MIDWAY PARK BLVD. NE • ALBUQUERQUE, NEW MEXICO 87109
PHONE: 505.345.4250 • FAX: 505.345.4254 • www.highmesacg.com

DEMOLITION PLAN
PORTABLE CLASSROOM INSTALLATIONS
MISSION AVENUE ELEMENTARY SCHOOL - 725 MISSION AVENUE N.E.

DESIGNED BY	JGM	NO.	DATE	BY	REVISIONS	JOB NO.
DRAWN BY	CFA					2010.181.4
APPROVED BY	JGM					DATE 12-2010
						SHEET 2 OF 11



GENERAL NOTES:

1. ADJUSTMENT TO GRADE OF FRAME AND COVER SHALL BE MADE BY WATTS BRICE COURSES DIRECTLY UNDER THE CURSUS FOURS COURSE OR IF LESS THAN ONE COURSE IS REQUIRED GROUT ONLY SHALL BE USED. IF ADJUSTMENT WOULD REQUIRE GREATER THAN FOUR COURSES, THE CURSUS SHALL BE REMOVED, BARREL HEIGHT ADJUSTED AND CURSUS REPAIRED. ADJUSTMENT SHALL BE USED FOR MINOR ADJUSTMENT REQUIREMENTS.

CONSTRUCTION NOTES:

- A. FOUR BRICK COURSES MAX
- B. NEW PAVING
- C. USE A CONC PAD SECTION, 2' BY 2' ALL AREAS.
- D. M.H. FRAME & COVER.
- E. STD PAVING SECT
- F. 1" PLASTER INSIDE & OUTSIDE EXCEPT ON PRE-CAST UNITS

H. SUBGRADE.

I. SEE

1" = 1'-0"

RECEIVED
DEC 9 2010
HYDRO
SE

12-09-2010

HIGH MESA Consulting Group

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

PAVING SECTIONS AND DETAILS

PORTABLE CLASSROOM INSTALLATIONS

MISSION AVENUE ELEMENTARY SCHOOL - 725 MISSION AVENUE N.E.

DESIGNED BY J.G.M.
DRAWN BY C.F.A.
APPROVED BY J.G.M.

DRAWN BY C.F.A.

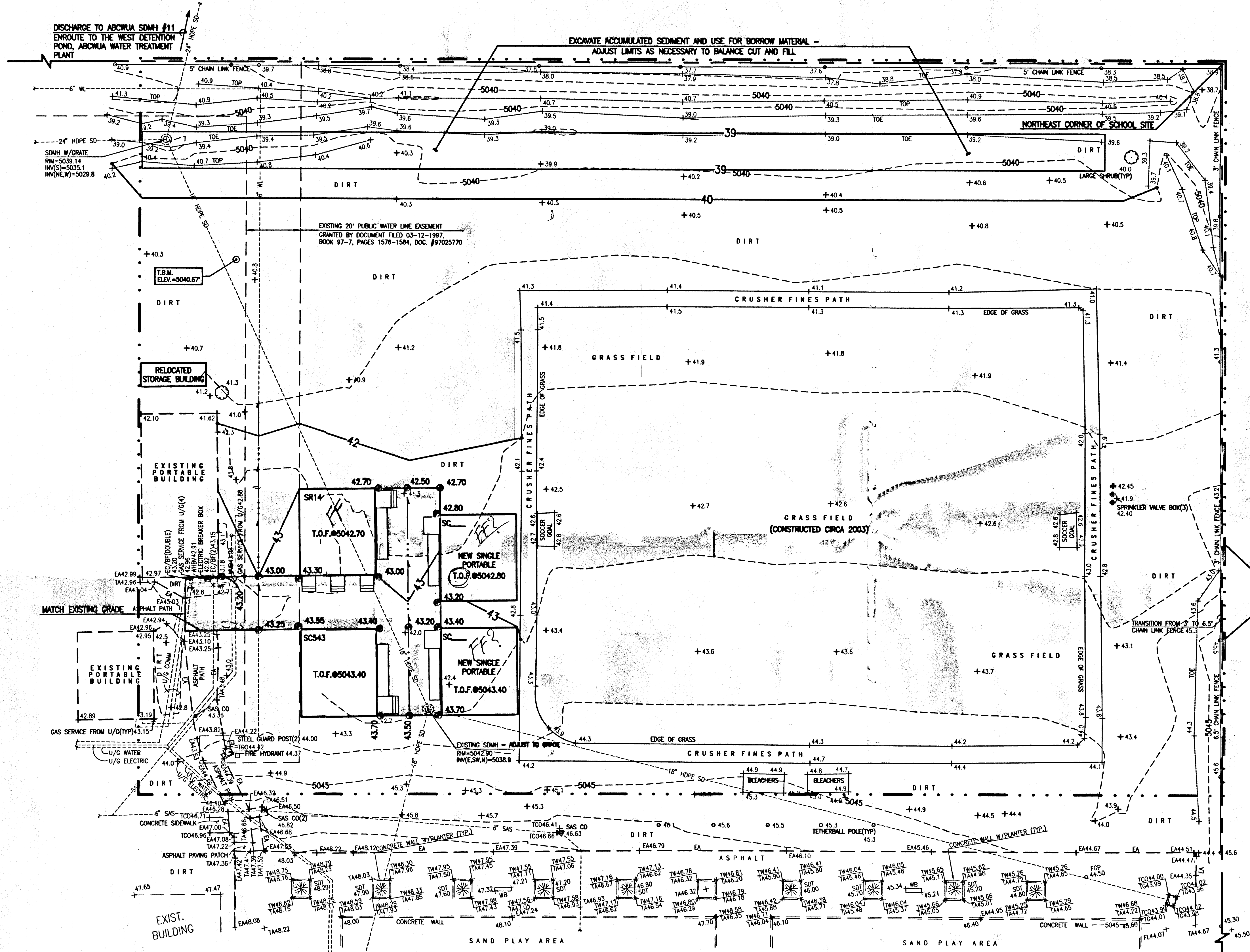
APPROVED BY J.G.M.

NOL	DATE	BY

JOB NO. 2010.181.4

DATE 12-2010

SHEET 4 OF 11



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, AND AGASTO UTILITY LOCATING COMPANY (888-334-1111) FOR LOCATION OF EXISTING PRIVATE UTILITIES ON APS PROPERTY.
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 OF THE LOCATION OF EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INTERPRETATIONS OF THE LOCATION OF EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INTERPRETATIONS OF THE LOCATION OF EXISTING UTILITIES.
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.

LEGAL DESCRIPTION

A PORTION OF MISSION AVENUE ELEMENTARY SCHOOL, ALBUQUERQUE, NEW MEXICO.

BENCHMARKS

PROJECT BENCHMARK
STANDARD A.C.S. BRASS TABLET STAMPED "3-F16", SET IN TOP OF A CONCRETE POST PROJECTING 0.3' ABOVE GROUND ON THE MEDIAN 0.7 MILES WEST FROM THE INTERCHANGE AT I-25 AND MONTANO ROAD, N.E. ELEVATION = 5029.557 FEET (NGVD 1929)

TEMPORARY BENCHMARK (T.B.M.)
#5 REBAR W/CAP STAMPED "HMC CONTROL NMPS 11184", AS SHOWN ON THIS SHEET. ELEVATION = 5040.67 FEET (NGVD 1929)

EXISTING LEGEND

BF	BUILDING FACE
CLD	CENTERLINE OF DOOR
CO	SANITARY SEWER CLEANOUT
COMM	COMMUNICATION LINE
EA	EDGE OF ASPHALT
EC	ELECTRIC CONDUIT
HDPE	HIGH DENSITY POLYETHYLENE PIPE
INV	INVERT ELEVATION
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SAS	SANITARY SEWER
SD	STORM DRAIN
TA	TOP OF ASPHALT
TCO	TOP OF CONCRETE
TYP	TYPICAL
U/G	UNDERGROUND
WF	WATER FOUNTAIN
WHBV	WATER CAN/HOSE BIB VALVE
WL	WATER LINE
WVB	WATER VALVE BOX
*	DECIDUOUS TREE
o	SHRUB
*	PAINTED UTILITY MARKER

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.

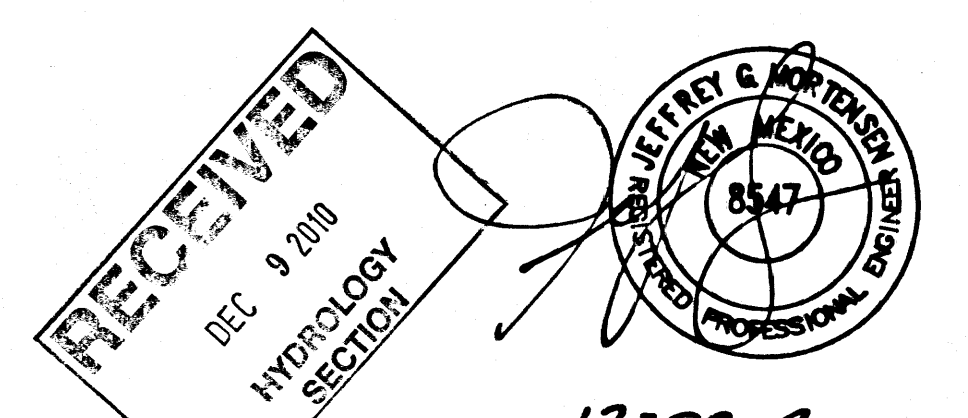
DESIGN SURVEY NOTE

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DESIGN LEGEND

25.41	PROPOSED SPOT ELEVATION
+24.86	EXISTING FLOWLINE ELEVATION
08	PROPOSED CONTOUR
-5008	EXISTING CONTOUR
---	PROPOSED FLOWLINE
---	ROOF DRAINAGE
---	EXISTING ROOF DRAINAGE
---	RIGHT OF WAY LINE
---	PUBLIC EASEMENT LINE
---	PROPOSED CONCRETE
---	PROPOSED ASPHALT PAVEMENT
+	HIGH POINT
INV	INVERT
TG	TOP OF GRATE
TC	TOP OF CURB
TA	TOP OF ASPHALT PAVEMENT

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DRAINAGE PLAN

I. INTRODUCTION AND EXECUTIVE SUMMARY

THIS PROJECT, LOCATED IN THE RENAISSANCE AREA 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 RELOCATION OF TWO EXISTING PORTABLE BUILDINGS AND THE ADDITION OF TWO SINGLE CLASSROOM BUILDINGS TO AN EXISTING PORTABLE PARK PLUS ADDITIONAL PAVING TO FACILITATE PEDESTRIAN ACCESS AND DRAINAGE. THE PROPOSED FACILITIES WILL BE LOCATED NEAR THE NORTHEAST CORNER OF THE EXISTING SCHOOL SITE BETWEEN THE EXISTING PORTABLE PARK AND AN EXISTING TURF GRASS MULTI-PURPOSE FIELD. 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 ABCMUA WATER TREATMENT PLANT SITE THAT LIES IMMEDIATELY NORTH AND ADJACENT TO THE SCHOOL SITE. THIS CONCEPT WAS ESTABLISHED BY PRIOR SUBMITTAL AND HONORED BY THE DESIGN AND CONSTRUCTION OF THE WATER TREATMENT PLANT.

THIS SUBMITTAL IS MADE IN SUPPORT OF A GRADING AND PAVING PERMIT WITHIN THE JURISDICTION OF THE CITY OF ALBUQUERQUE.

II. PROJECT DESCRIPTION

AS SHOWN BY THE VICINITY MAP, THE SCHOOL SITE IS LOCATED AT THE NORTHWEST QUADRANT OF THE INTERSECTION OF ALEXANDER BLVD NE AND MISSION AVENUE NE. THE CURRENT LEGAL DESCRIPTION IS TRACT A, MISSION ELEMENTARY SCHOOL. AS SHOWN BY PANEL 138 OF 825 OF THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAPS PUBLISHED BY FEMA FOR BERNALILLO COUNTY, NEW MEXICO, SEPTEMBER 26, 2008, THIS SITE DOES NOT LIE WITHIN A DESIGNATED FLOOD HAZARD ZONE. FURTHERMORE, THE SITE DOES NOT APPEAR TO DISCHARGE DEVELOPED RUNOFF TO A DESIGNATED FLOOD HAZARD ZONE.

III. BACKGROUND DOCUMENTS

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

- PARTIAL TOPOGRAPHIC AND UTILITY SURVEY PREPARED BY HIGH MESA CONSULTING GROUP (NMPS 11184) DATED 11-04-2010. THIS REFERENCED SURVEY PROVIDES THE BASIS FOR THE EXISTING CONDITIONS OF THE PROJECT SITE.
- GRADING AND DRAINAGE PLAN FOR MISSION AVENUE ELEMENTARY SCHOOL ADDITIONS AND MODIFICATIONS PREPARED BY JEAN J. BORDENAVE (NMPE 5110), DATED 07/08/96 AND REVISED 08/07/96, AND CERTIFIED 08/13/97. THIS REFERENCE PLAN IDENTIFIES THAT THE PROJECT SITE LIES WITHIN BASIN B AS DEFINED BY THAT PLAN. RUNOFF FROM BASIN B DRAINS TO AN EXISTING PRIVATE STORM DRAIN SYSTEM WITHIN THE SCHOOL SITE. THE PRIVATE STORM DRAIN SYSTEM DISCHARGES TO A PRIVATE RETENTION POND ON THE PROPERTY IMMEDIATELY NORTH OF THE SCHOOL SITE THEN REFERRED TO AS THE CALMAT PROPERTY. THIS DISCHARGE OF RUNOFF WAS DOCUMENTED AND AGREED UPON BY A DRAINAGE EASEMENT AGREEMENT EXECUTED BETWEEN THE ALBUQUERQUE PUBLIC SCHOOLS AND CALMAT CO. THE 1996 PLAN AND 1997 CERTIFICATION DID NOT INCLUDE THE TURF GRASS MULTI-PURPOSE FIELD REFLECTED ON THE 2010 SURVEY.
- PARTIAL TOPOGRAPHIC SURVEY PREPARED BY HIGH MESA CONSULTING GROUP (FORMERLY JEFF MORTENSEN & ASSOCIATES, INC.), NMPS 11184, DATED 10-16-2003. THE 2003 TOPOGRAPHIC SURVEY ESTABLISHES THAT THE TURF GRASS MULTI-PURPOSE FIELD WAS NOT CONSTRUCTED AS OF THAT DATE. AT THAT TIME, THAT PORTION OF THE SCHOOL SITE WAS BARE SOIL PREVIOUSLY GRADED AND COMPACTED BY HUMAN ACTIVITY.
- CITY OF ALBUQUERQUE WATER TREATMENT PLANT, GRADING AND DRAINAGE REPORT (F16/D144) PREPARED BY CH2MHILL (NMPE 14226), DATED 1/27/04. THIS REFERENCED DRAINAGE REPORT, AVAILABLE FOR REVIEW IN THE OFFICE OF THE CITY ENGINEER, ACKNOWLEDGED THAT THE WATER TREATMENT PLANT SITE RECEIVES OFFSITE FLOWS FROM THE SCHOOL SITE. WHEREAS THE DEVELOPMENT OF THE WATER TREATMENT PLANT SITE REMOVED THE POND WHERE SCHOOL RUNOFF WAS CONTAINED, THE WATER TREATMENT PLANT ACCOMMODATED THE SCHOOL RUNOFF ELSEWHERE ON ITS SITE VIA PRIVATE STORM DRAIN EXTENSIONS AND REGRADING.
- REVIEW OF CITY HYDROLOGY FILE F16/D012 ON OCTOBER 26, 2010, DID NOT REVEAL A FORMAL DRAINAGE SUBMITTAL FOR THE EXISTING TURF GRASS MULTI-PURPOSE FIELD.
- VISUAL SITE INSPECTION CONDUCTED ON NOVEMBER 14, 2010, TO CONFIRM THAT THE DRAINAGE PATTERNS PRESENT ON THE SITE STILL DISCHARGE RUNOFF FROM BASIN B TO IMPROVEMENTS SITUATED ON THE WATER TREATMENT PLANT SITE FORMERLY KNOWN AS THE CALMAT PROPERTY.

IV. EXISTING CONDITIONS

THE SITE PRESENTLY CONSISTS OF A PARTIALLY DEVELOPED PORTION OF THE SCHOOL SITE COMPRISING THE EASTERLY PORTION OF THE PORTABLE PARK AND VACANT LAND IMMEDIATELY WEST OF THE TURF GRASS MULTI-PURPOSE FIELD. AT PRESENT, THE PROJECT SITE SLOPES FROM NORTH TO SOUTH TO AN EXISTING DEPRESSED AREA WHERE RUNOFF APPEARS TO COLLECT BEFORE ENTERING A GRATED PRIVATE STORM DRAIN MANHOLE. FROM THIS POINT, THE RUNOFF FLOWS WITHIN A PRIVATE STORM DRAIN INTO THE WATER TREATMENT PLANT SITE WHERE IT IS CONVEYED TO A POND OWNED, OPERATED AND MAINTAINED BY THE ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY. THE ABOVE DESCRIBED DRAINAGE PATTERN IS CONSISTENT WITH THE GRADING AND DRAINAGE REPORT FOR THE WATER TREATMENT PLANT REFERENCED ABOVE. THE PROJECT SITE LIES WITHIN BASIN B AS DEFINED BY THE 1996 PLAN ALSO REFERENCED ABOVE.

THERE ARE NO OFFSITE FLOWS IMPACTING THIS SITE; EXISTING SCHOOL SITE DEVELOPMENT SURROUNDS THE PROJECT SITE TO THE WEST, SOUTH AND EAST. THE WATER TREATMENT PLANT SITE IS TOPOGRAPHICALLY LOWER AND LIES TO THE NORTH OF THE PROJECT SITE.

V. DEVELOPED CONDITIONS

THE PROPOSED CONSTRUCTION CONSISTS OF THE RELOCATION OF TWO EXISTING PORTABLE BUILDINGS PLUS THE INSTALLATION OF TWO ADDITIONAL SINGLE CLASSROOM PORTABLE CLASSROOM BUILDINGS. PAVED PEDESTRIAN ACCESS WILL BE PROVIDED ALONG WITH MINIMAL GRADING. THE SITE WILL CONTINUE TO DRAIN FROM SOUTH TO NORTH WITH DEVELOPED FLOWS ENTERING THE EXISTING PRIVATE STORM DRAIN SYSTEM REFERENCED ABOVE. THE PROPOSED GRADING IS EXPECTED TO REQUIRE MINOR FILL. TO ADDRESS THIS, DEEPENING THE DEPRESSED AREA ALONG THE NORTH PROPERTY LINE IS PROPOSED TO GENERATE BORROW MATERIAL AS WELL TO RE-ESTABLISH THE DEPRESSED AREA WHERE THE RUNOFF GENERATED BY THE SITE COLLECTS. THE CUT-TO-FILL IS INTENDED TO BALANCE.

THE DEVELOPED CONDITIONS ALSO TAKE INTO ACCOUNT THE TURF GRASS MULTI-PURPOSE FIELD CONSTRUCTED CIRCA 2003. THE TURF GRASS MULTI-PURPOSE FIELD REPLACED BARE SOIL (LAND TREATMENT C) WITH LANDSCAPING (LAND TREATMENT B). IN DOING SO, A NET REDUCTION IN DEVELOPED RUNOFF GENERATED BY THE SITE AND DISCHARGING TO THE WATER TREATMENT PLANT FACILITIES IS EXPERIENCED. IMPLEMENTATION OF THIS PLAN WILL CONTINUE THE DISCHARGE OF DEVELOPED RUNOFF FROM BASIN B TO THE PRIVATE STORM DRAIN AND PONDING SITUATED ON THE WATER TREATMENT PLANT SITE. PRIOR TO THIS SUBMITTAL, THE TURF GRASS MULTI-PURPOSE FIELD WAS UNDOCUMENTED IN THE CITY ENGINEER'S OFFICE.

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 SHEETFLOW FROM SOUTH TO NORTH WITH DISCHARGE TO THE EXISTING ONSITE PRIVATE STORM DRAIN SYSTEM THAT CONNECTS TO THE WATER TREATMENT PLANT PRIVATE STORM DRAIN AND POND.

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 EXPANSION OF THE PORTABLE CLASSROOM PARK COMBINED WITH THE TURF GRASS MULTI-PURPOSE FIELD WILL RESULT IN A RELATIVELY MINOR DECREASE IN THE DEVELOPED RUNOFF GENERATED BY THIS PORTION OF THE MISSION AVENUE 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 PROPOSED IMPROVEMENTS COMBINED WITH THE PREVIOUSLY UNDOCUMENTED TURF GRASS MULTI-PURPOSE FIELD WILL CREATE A MINOR DECREASE IN THE DEVELOPED RUNOFF GENERATED BY THE SITE.
- THE PROPOSED IMPROVEMENTS LIE WITHIN BASIN B OF THE MISSION AVENUE ELEMENTARY SCHOOL SITE.
- THE WATER TREATMENT PLANT SITE SERVES AS THE OUTFALL FOR BASIN B AS ESTABLISHED BY THE 1996 DRAINAGE SUBMITTAL FOR THE SCHOOL SITE PLUS THE 2004 DRAINAGE SUBMITTAL FOR THE WATER TREATMENT PLANT.
- THE DISCHARGE OF DEVELOPED RUNOFF TO THE EXISTING ONSITE PRIVATE STORM DRAIN SYSTEM IS CONSISTENT WITH THE GRADING AND DRAINAGE REPORT FOR THE WATER TREATMENT PLANT DATED 1/27/04.
- THE PROPOSED IMPROVEMENTS WILL NOT ADVERSELY IMPACT DOWNSTREAM PROPERTIES OR DOWNSTREAM DRAINAGE CONDITIONS.

CALCULATIONS

I. SITE CHARACTERISTICS

- A. PRECIPITATION ZONE = 2
- B. $P_{100, 6 \text{ HR}} = P_{360} = 2.35$
- C. TOTAL PROJECT AREA (A_T) = 108,000 SF
2.48 AC

D. LAND TREATMENTS

1. EXISTING LAND TREATMENT

TREATMENT	AREA (SF/AC)	%
A		
B		
C	101,150 / 2.32	94
D	6,850 / 0.16	6

2. DEVELOPED LAND TREATMENT

TREATMENT	AREA (SF/AC)	%
A		
B	36,250 / 0.83	34
C	58,560 / 1.34	54
D	13,190 / 0.30	12

II. HYDROLOGY

A. EXISTING CONDITION

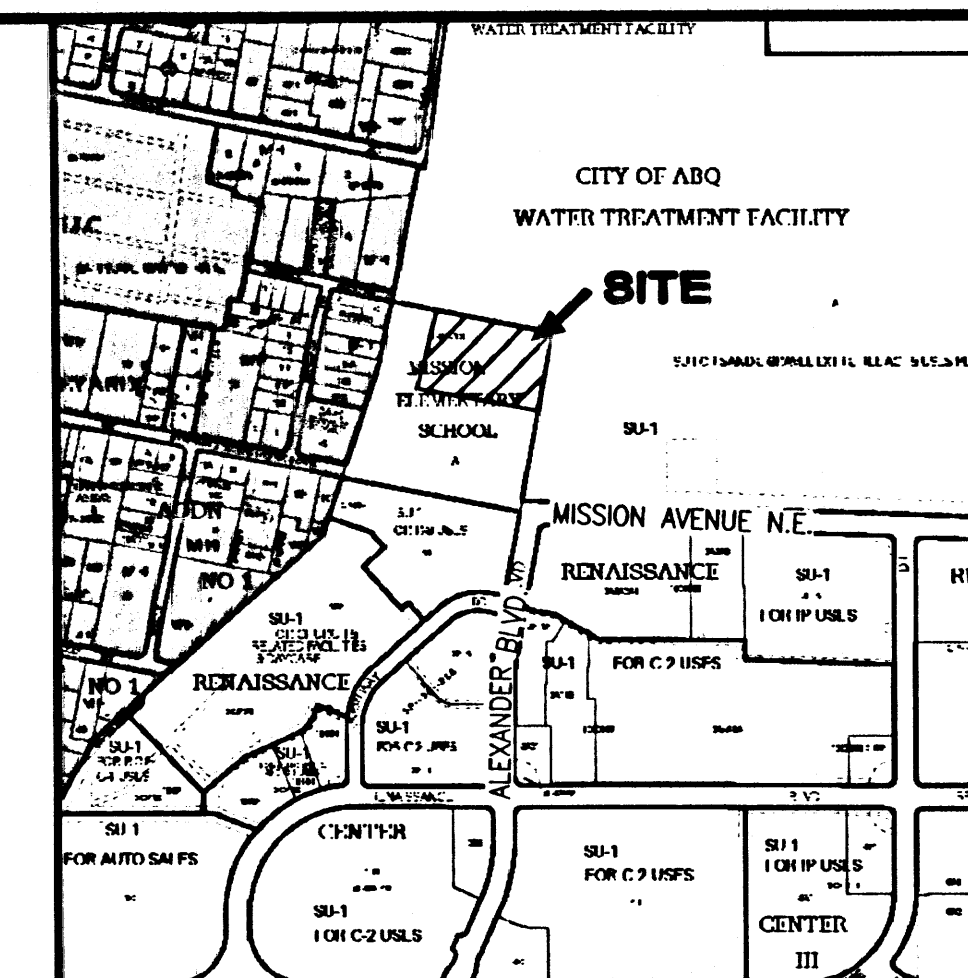
1. VOLUME
 $E_w = (E_p A_p + E_p A_b + E_p A_c + E_p A_d) A_T$
 $E_w = (1.13 \times 2.32) + (2.12 \times 0.16) 2.48 = 1.19 \text{ IN}$
 $V_{100, 6 \text{ HR}} = (E_w / 12) A_T = (1.19 / 12) 2.48 = 0.2459 \text{ AC-FT} = 10,710 \text{ CF}$
2. PEAK DISCHARGE
 $Q_p = Q_{pA} + Q_{pB} + Q_{pC} + Q_{pD}$
 $Q_p = Q_{100} = (3.14 \times 2.32) + (4.70 \times 0.16) = 8.0 \text{ CFS}$

B. DEVELOPED CONDITION

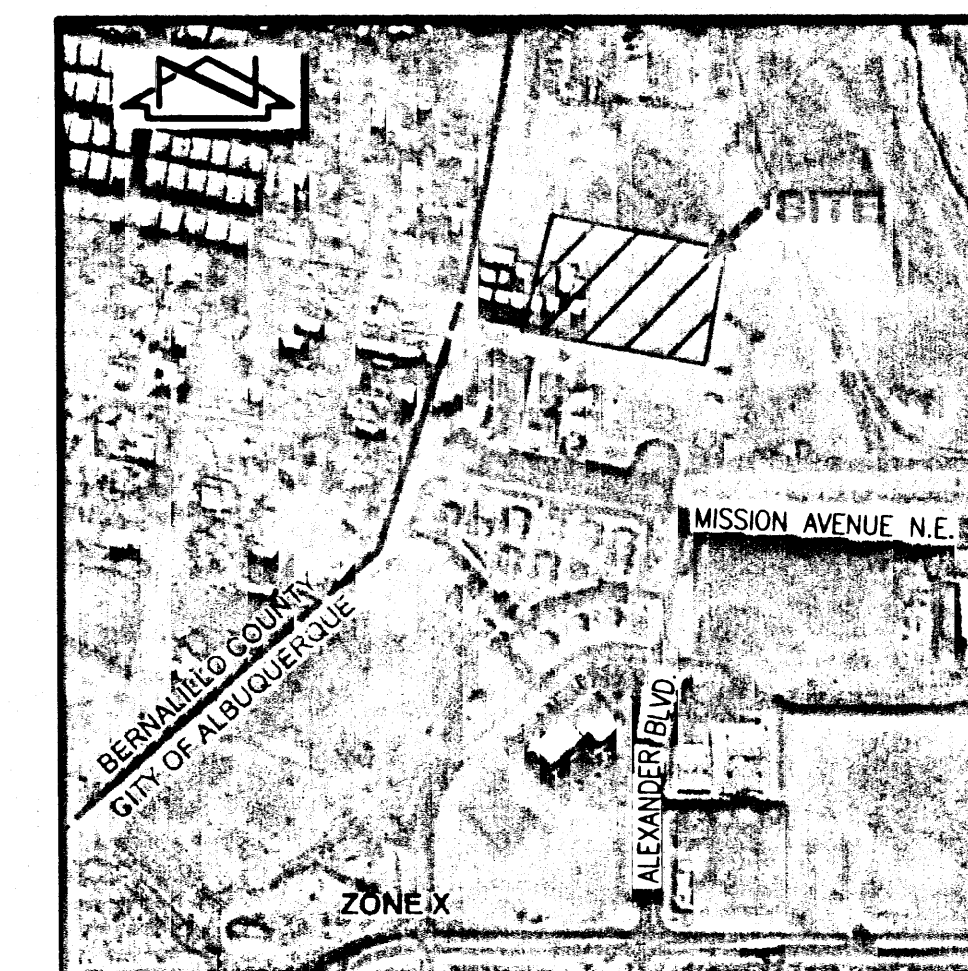
1. VOLUME
 $E_w = (E_p A_p + E_p A_b + E_p A_c + E_p A_d) A_T$
 $E_w = (1.13 \times 1.34) + (2.12 \times 0.30) 2.48 = 1.13 \text{ IN}$
 $V_{100, 6 \text{ HR}} = (E_w / 12) A_T = (1.13 / 12) 2.48 = 0.2336 \text{ AC-FT} = 10,170 \text{ CF}$
2. PEAK DISCHARGE
 $Q_p = Q_{pA} + Q_{pB} + Q_{pC} + Q_{pD}$
 $Q_p = Q_{100} = (3.14 \times 1.34) + (4.70 \times 0.30) = 7.5 \text{ CFS}$

C. COMPARISON

1. VOLUME
 $\Delta V_{100, 6 \text{ HR}} = 10,170 - 10,710 = -540 \text{ CF (DECREASE)}$
2. PEAK DISCHARGE
 $\Delta Q_{100} = 7.5 - 8.0 = -0.5 \text{ CFS (DECREASE)}$



(D5) VICINITY MAP F-16
SCALE: 1" = 750'



(C5) F.I.R.M. PANEL 138 OF 825
SCALE: 1" = 750'
DATED: SEPTEMBER 26, 2008

LEGAL DESCRIPTION

A PORTION OF MISSION AVENUE ELEMENTARY SCHOOL, ALBUQUERQUE, NEW MEXICO.

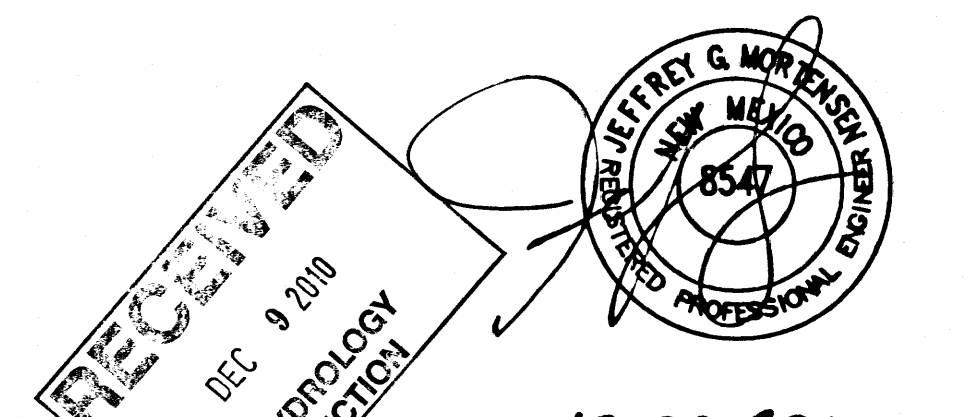
BENCHMARKS

PROJECT BENCHMARK

STANDARD A.C.S. BRASS TABLET STAMPED "3-F16", SET IN TOP OF A CONCRETE POST PROJECTING 0.3' ABOVE GROUND ON THE MEDIAN 0.7 MILES WEST FROM THE INTERCHANGE AT I-25 AND MONTANO ROAD, N.E.
ELEVATION = 5029.557 FEET (NGVD 1929)

TEMPORARY BENCHMARK (T.B.M.)

#5 REBAR W/CAP STAMPED "HMC CONTROL NMPS 11184", AS SHOWN ON SHEETS 2, 4 AND 6.
ELEVATION = 5040.67 FEET (NGVD 1929)



DESIGNED BY	DATE	BY	REVISIONS	JOB NO.
J.G.M.				2010.181.4
DRAWN BY	DATE	BY	REVISIONS	JOB NO.
C.F.A.				12-2010
APPROVED BY	DATE	BY	REVISIONS	JOB NO.
J.G.M.				6 OF 11

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DRAINAGE PLAN AND CALCULATIONS
PORTABLE CLASSROOM INSTALLATIONS
MISSION AVENUE ELEMENTARY SCHOOL - 725 MISSION AVENUE N.E.