

DRAINAGE PLAN

I. INTRODUCTION AND EXECUTIVE SUMMARY

THIS PROJECT, LOCATED IN THE MIDDLE NORTHEAST HEIGHTS OF THE ALBUQUERQUE METROPOLITAN AREA, REPRESENTS A TEMPORARY INSTALLATION ON AN EXISTING APS SCHOOL SITE WITHIN AN INFILL AREA. THE TEMPORARY FACILITY IS COMPRISED OF PORTABLE CAFETERIA AND KITCHEN BUILDINGS INTENDED TO SERVE THE SCHOOL FOR APPROXIMATELY ONE-YEAR WHILE THE PERMANENT ONSITE FACILITIES ARE RENOVATED. THE TEMPORARY FACILITIES WILL BE SITED ON THE EAST SIDE OF THE SCHOOL SITE WITHIN AN EXISTING PAVED PARKING LOT. THE DRAINAGE CONCEPT FOR THIS PROJECT WILL BE THE CONTINUED DISCHARGE OF THIS PORTION OF THE SITE TO THE ADJACENT CITY STREET, CUTLER AVENUE NE, VIA PAVED PARKING LOTS AND AN EXISTING DRIVEPAD, A CONCEPT ESTABLISHED BY PRIOR SUBMITTALS (H18-D007C).

THIS SUBMITTAL IS MADE IN SUPPORT OF BUILDING PERMIT APPROVAL WITHIN THE JURISDICTION OF THE CITY OF ALBUQUERQUE.

II. PROJECT DESCRIPTION

AS SHOWN BY THE VICINITY MAP, THE SCHOOL SITE IS LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF CUTLER AVENUE AND PALOMAS DRIVE NE. THE CURRENT LEGAL DESCRIPTION IS TRACT A-1, CORTEZ ELEMENTARY SCHOOL. AS SHOWN BY PANEL 352 OF 825 OF THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAPS PUBLISHED BY FEMA FOR BERNALILLO COUNTY, NEW MEXICO, AUGUST 16, 2012, THE PROJECT SITE DOES NOT LIE WITHIN A DESIGNATED FLOOD HAZARD ZONE. THE SCHOOL SITE DOES, HOWEVER, LIE ADJACENT TO A DESIGNATED FLOOD HAZARD ZONE (ZONE AO - DEPTH 1') THAT COINCIDES WITH SAN MATEO PLACE NE AT THE WEST EDGE OF THE SCHOOL SITE. THE PROJECT SITE, HOWEVER, IS NOT AFFECTED BY THE PRESENCE OF THIS DESIGNATED FLOOD HAZARD ZONE.

III. BACKGROUND DOCUMENTS

THE PREPARATION OF THIS PLAN RELIED UPON THE FOLLOWING:

- TOPOGRAPHIC SURVEY PREPARED BY HIGH MESA CONSULTING GROUP (NMPS 11184) DATED 03-26-2012. THIS REFERENCED SURVEY PROVIDES THE BASIS FOR THE EXISTING CONDITIONS OF THE PROJECT SITE.
- KNOWLEDGE OF THE SITE BASED UPON PRIOR DRAINAGE PLANS PREPARED AND SUBMITTED BY HIGH MESA CONSULTING GROUP FOR THE SITE AND SUBSEQUENTLY APPROVED BY THE CITY.

IV. EXISTING CONDITIONS

THE PROJECT SITE PRESENTLY CONSISTS OF AN EXISTING PAVED PARKING LOT ALONG THE EAST SIDE OF THE NEW FUTURES HIGH SCHOOL. THE PARKING LOT DRAINS FROM SOUTH TO NORTH TO AN EXISTING SIDEWALK CULVERT BENEATH A WALLED COURTYARD AT THE NORTH SIDE OF THE EXISTING HIGH SCHOOL BUILDING. FROM THIS POINT, RUNOFF FLOWS WEST TO ANOTHER PARKING LOT LOCATED ON THE WEST SIDE OF THE HIGH SCHOOL BUILDING. FROM THIS POINT, RUNOFF FLOWS WEST AND NORTH TO EXIT THE SITE VIA EXISTING DRIVEPAD LOCATED ON THE SOUTH SIDE OF CUTLER AVENUE NE. FROM THIS POINT, THE RUNOFF FLOWS WEST WITHIN CUTLER, A CITY STREET, TO THE INTERSECTION WITH SAN MATEO PLACE NE WHERE RUNOFF IS COLLECTED BY A SERIES OF PUBLIC STORM INLETS. FROM THIS POINT, THE RUNOFF FLOWS SOUTHWEST WITHIN A 54" PUBLIC STORM DRAIN TO ENTER THE I-40 CHANNEL, A PUBLICLY OWNED, OPERATED AND MAINTAINED DRAINAGE FACILITY.

THERE ARE NO OFFSITE FLOWS IMPACTING THIS PROJECT SITE; EXISTING PUBLIC STREETS, CONSTRUCTED WITH ASPHALT PAVING AND CURB AND GUTTER SURROUND THE PROPERTY THEREBY CONTAINING FLOWS WITHIN THE PUBLIC RIGHT-OF-WAY AS SUPPORTED BY THE ABOVE REFERENCED FIRM MAP.

V. DEVELOPED CONDITIONS

THE PROPOSED CONSTRUCTION CONSISTS OF THE TEMPORARY INSTALLATION OF PORTABLE CAFETERIA AND KITCHEN BUILDINGS WITHIN THE EAST PARKING LOT OF THE SCHOOL SITE. EXISTING GRADES AND DRAINAGE PATTERNS WILL NOT BE ALTERED. THESE TEMPORARY FACILITIES ARE INTENDED TO SERVE THIS SCHOOL SITE DURING THE RENOVATION OF THE EXISTING ONSITE CAFETERIA. UPON COMPLETION OF THE PERMANENT CAFETERIA RENOVATION, THE PORTABLE BUILDINGS WILL BE RELOCATED OFFSITE AND THE PARKING LOT PATCHED WHERE THE PIERS PENETRATED THE EXISTING PAVEMENT SURFACE.

THERE ARE NO OFFSITE FLOWS IMPACTING THIS PROJECT SITE; THIS PROJECT WILL NOT ALTER OFFSITE FLOW CONDITIONS.

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 IS NEGLIGIBLE AND WILL MAINTAIN THE CURRENT DRAINAGE PATTERN OF THIS PORTION OF THE SCHOOL SITE.

VII. CALCULATIONS

THIS PROJECT WILL NOT CREATE ANY ADDITIONAL IMPERVIOUS AREA THEREFORE CALCULATIONS FOR THE EXISTING AND DEVELOPED CONDITIONS FOR THE 100-YEAR, 6-HOUR RAINFALL EVENT HAVE NOT BEEN PREPARED.

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 HIGH SCHOOL SITE
- THE PROPOSED IMPROVEMENTS ARE TEMPORARY IN NATURE AND WILL BE REMOVED ONCE THE PERMANENT ONSITE CAFETERIA RENOVATION IS COMPLETE
- THE PROPOSED IMPROVEMENTS WILL NOT CREATE ANY ADDITIONAL IMPERVIOUS AREA AND THEREFORE WILL NOT RESULT IN AN INCREASE IN RUNOFF GENERATED BY THE SITE.
- THE PROPOSED IMPROVEMENTS WILL NOT ADVERSELY IMPACT DOWNSTREAM PROPERTIES OR DOWNSTREAM DRAINAGE CONDITIONS

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.
- 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 NOTES:

- 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.

PROJECT BENCHMARK - DESTROYED

ACS STA "SAN MATEO EOS", NMSHC SURVEY DISC SET IN CONCRETE AT SOUTHEAST QUADRANT OF THE INTERSECTION OF SAN MATEO BOULEVARD AND INTERSTATE 40, IN A TRIANGULAR CURBED ISLAND. ELEVATION = 5216.72 FEET (NAVD 1988) THE ELEVATIONS OF T.B.M.#2 THROUGH T.B.M.#4 ARE BASED ON A TOPOGRAPHIC SURVEY PERFORMED BY THIS FIRM IN APRIL, 2008 AND THE PUBLISHED ELEVATION OF ACS STA "SAN MATEO EOS", WHICH WAS SUBSEQUENTLY DESTROYED.

ENGINEER'S DRAINAGE 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 12-06-2012. THE RECORD INFORMATION EDITED ONTO 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 02-22-2013 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 TO SUPPORT A REQUEST FOR PERMANENT CERTIFICATE OF OCCUPANCY.

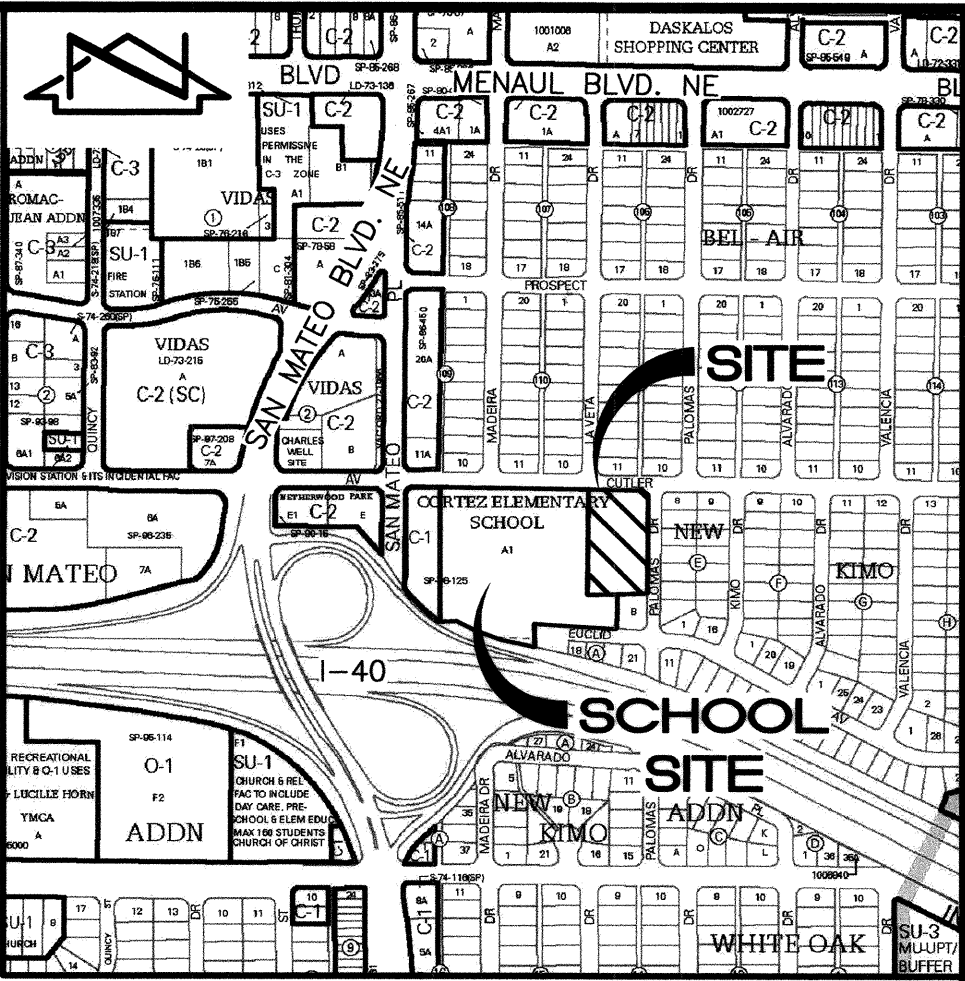
THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF DESIGN INTENT OF THIS PROJECT. THIS CERTIFICATION DOES NOT ADDRESS ADA COMPLIANCE WHICH IS BEYOND THE SCOPE OF GRADING AND DRAINAGE. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED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

JEFFREY G. MORTENSEN, NMPE 8547
08-06-2013
DATE



INDEX OF DRAWINGS

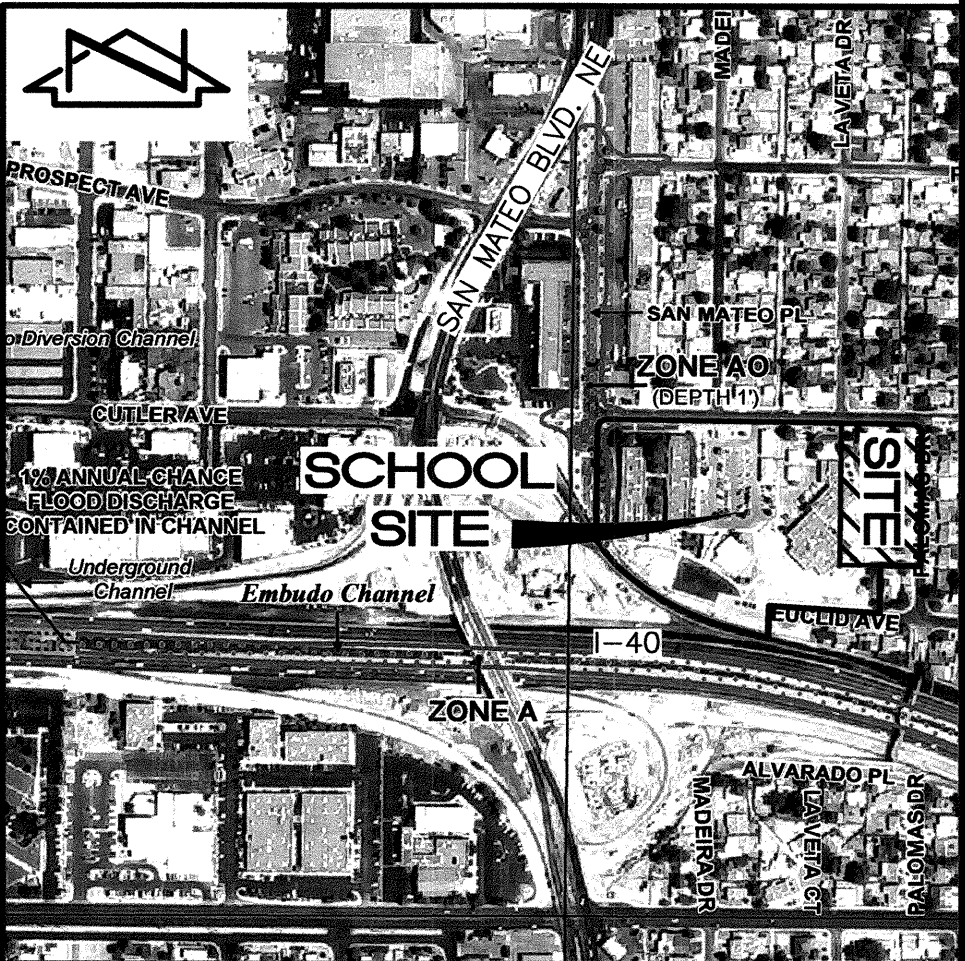
- 1 OF 1 SUPPLEMENTAL SITE AND DRAINAGE INFORMATION
- 2 OF 1 OVERALL PLAN (FOR ORIENTATION)
- 3 OF 1 DEMOLITION PLAN (FOR EXISTING CONDITIONS)
- 4 OF 1 SITE PLAN
- 8 OF 1 TYPICAL APS PORTABLE BUILDING FOUNDATION PLAN



VICINITY MAP

SCALE: 1" = 750' (APPROX.)

H-18



F.I.R.M.

SCALE: 1" = 500' (APPROX.)

PANEL 352 OF 825

DATED 08/16/12

LEGAL DESCRIPTION

TRACT A-1, CORTEZ ELEMENTARY SCHOOL, ALBUQUERQUE, NEW MEXICO.

T.B.M. #1 - DESTROYED

A "□" CUT IN TOP OF CURB
ELEVATION = 5210.00 FEET (NAVD 1988)

T.B.M. #2

A "□" CUT IN TOP OF CURB, AS SHOWN ON SHEET 2 OF 3.
ELEVATION = 5223.01 FEET (NAVD 1988)

T.B.M. #3

A CHISELED "□" ON TOP OF CURB, AS SHOWN ON SHEET 2 OF 3.
ELEVATION = 5223.68 FEET (NAVD 1988)

T.B.M. #4

A "□" CUT IN TOP/END OF CONCRETE RETAINING WALL, AS SHOWN ON SHEET 3 OF 3.
ELEVATION = 5212.60 FEET (NAVD 1988)



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

CAFETERIA/KITCHEN PORTABLE

NEW FUTURES HIGH SCHOOL

DESIGNED BY J.G.M.

DRAWN BY E.J.S.

APPROVED BY J.G.M.

N.D.

DATE

BY

06/13

B.E.E.

REVISIONS

RECORD DRAWING AND CERTIFICATION

JOB NO.

2012.180.1

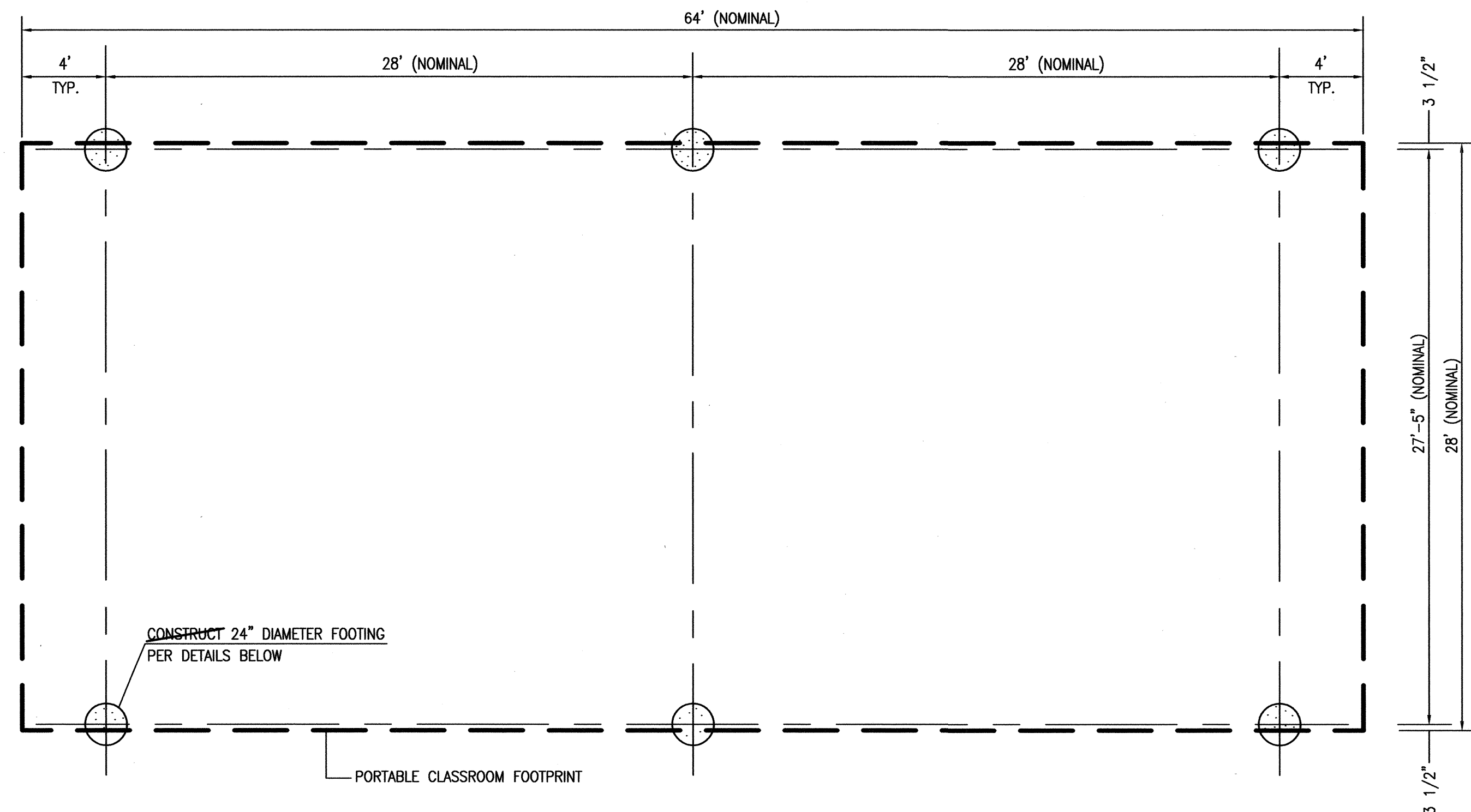
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10-2012

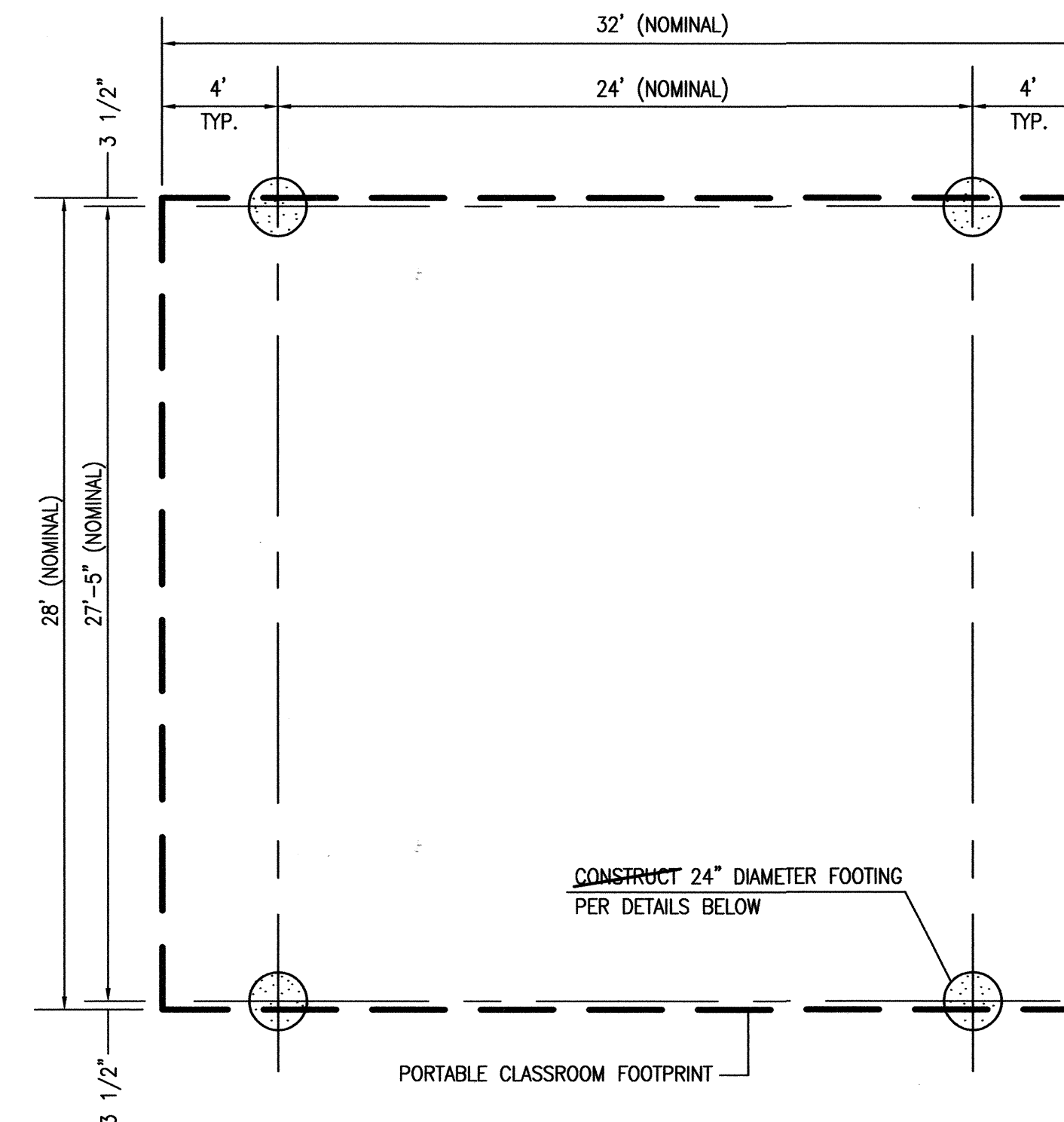
SHEET

1

OF 1



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



△ C4 SINGLE PORTABLE CLASSROOM FOUNDATION PLAN
SCALE: 1" = 5' - 0"

FOUNDATION AND PORTABLE INSTALLATION NOTES:

1. FOUNDATION LOCATIONS SHALL BE STAKED BY THE PROJECT SURVEYOR UNDER CONTRACT WITH THE OWNER.
2. THE CONTRACTOR SHALL NOTIFY THE ENGINEER WHEN FOUNDATIONS HAVE BEEN EXCAVATED AND ALL FORMS SET.
3. PRIOR TO POURING FOUNDATIONS, THE ENGINEER, OR HIS REPRESENTATIVE, SHALL OBSERVE AND APPROVE THE WORK FOR COMPLIANCE WITH THE PLANS AND SPECIFICATIONS.
4. THE ENGINEER, OR HIS REPRESENTATIVE, SHALL BE PRESENT TO OBSERVE THE POURING OF CONCRETE WITHIN THE FOUNDATION FORMS.
5. UPON COMPLETION OF CONSTRUCTION OF THE FOUNDATIONS, THE PROJECT SURVEYOR SHALL OBTAIN AS-BUILT MEASUREMENTS FOR THE HORIZONTAL AND VERTICAL LOCATIONS OF EACH FOUNDATION.
6. PRIOR TO INSTALLATION OF THE PORTABLE CLASSROOM BUILDINGS, THE ENGINEER SHALL REVIEW THE AS-BUILT SURVEY DATA AND PREPARE A FOUNDATION CERTIFICATION. PORTABLE BUILDINGS SHALL NOT BE INSTALLED WITHOUT THE CONSENT OF THE ENGINEER.
7. A PRE-INSTALLATION MEETING SHALL BE CONDUCTED PRIOR TO INSTALLATION OF THE PORTABLE CLASSROOM BUILDINGS TO DETERMINE THE CRITERIA FOR ALIGNING EACH BUILDING WITH RESPECT TO THE AS-CONSTRUCTED FOUNDATION LOCATIONS. ANY BUILDING INSTALLED IN ADVANCE OF A PRE-INSTALLATION MEETING SHALL BE ADJUSTED TO THE SATISFACTION OF THE OWNER AND THE ENGINEER AT NO ADDITIONAL COST TO THE OWNER.

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 WITHIN ACCEPTABLE CONSTRUCTION TOLERANCES AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 12-06-2012. THE RECORD INFORMATION EDITED ONTO THIS ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED FROM AN AS-BUILT SURVEY DATED 02-22-2013 CONDUCTED BY HIGH MESA CONSULTING GROUP UNDER THE DIRECTION OF CHARLES G. CALA, JR., (NMPS 11184), AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

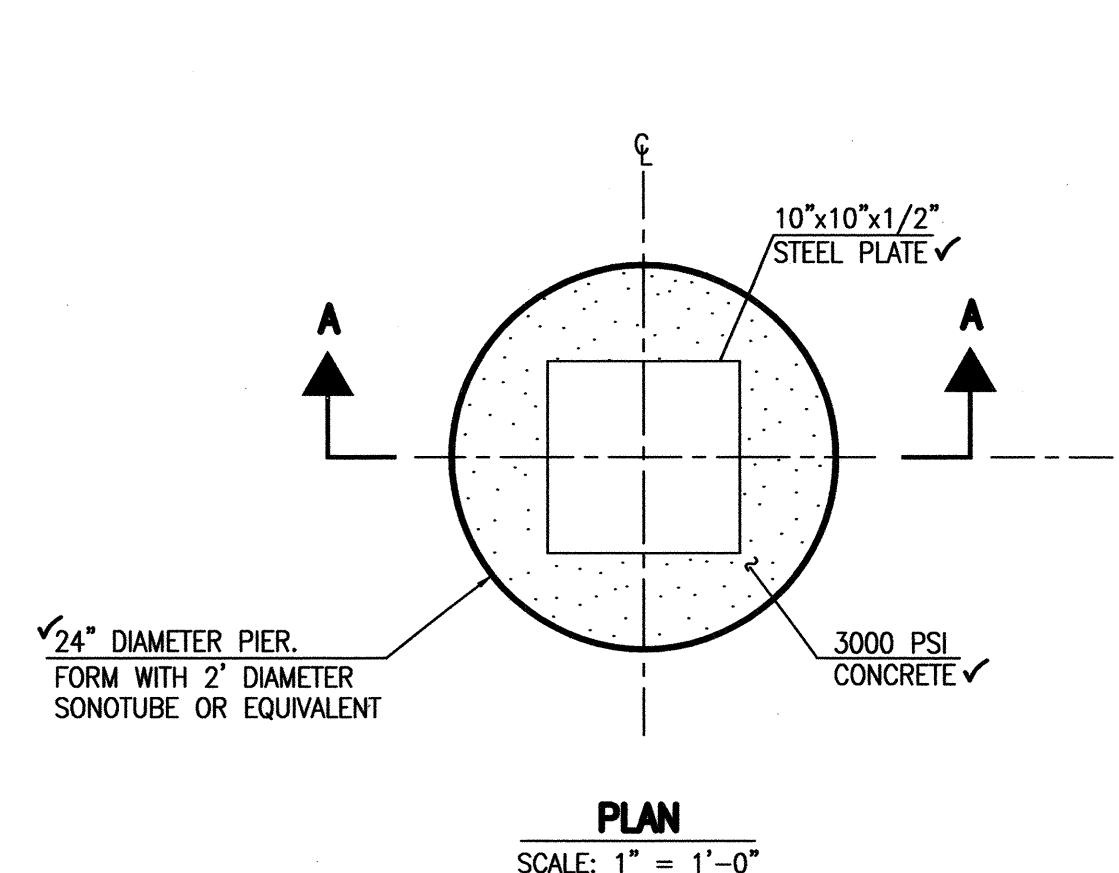
THIS RECORD INFORMATION IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE DESIGN INTENT OF THE FOUNDATION PORTION OF THIS PROJECT. THOSE RELYING ON THIS DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE. THIS CERTIFICATION IS SUBMITTED TO DOCUMENT COMPLIANCE FOR THE OWNER.

JEFFREY G. MORTENSEN, NMPE 8547
DATE 02-27-2013

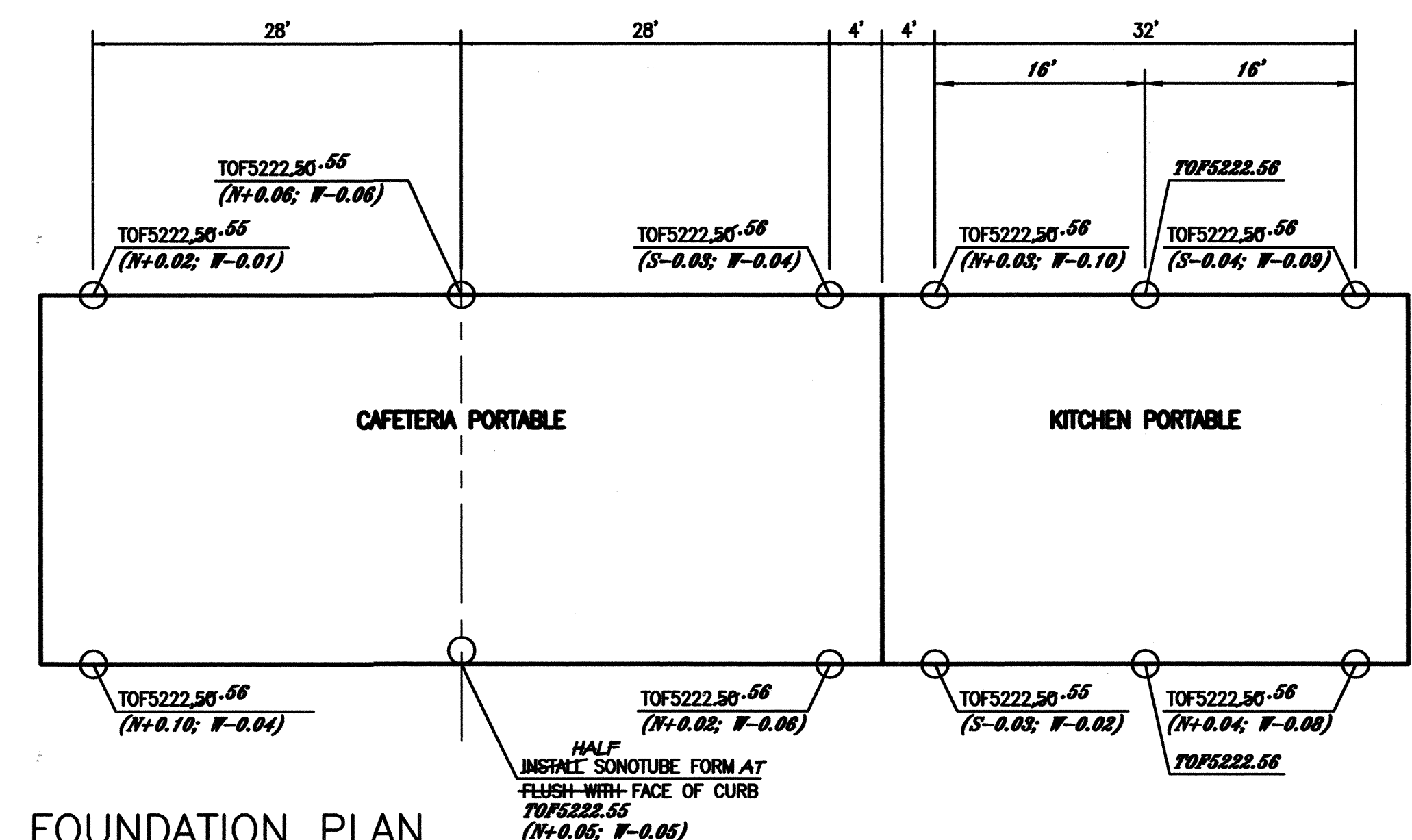
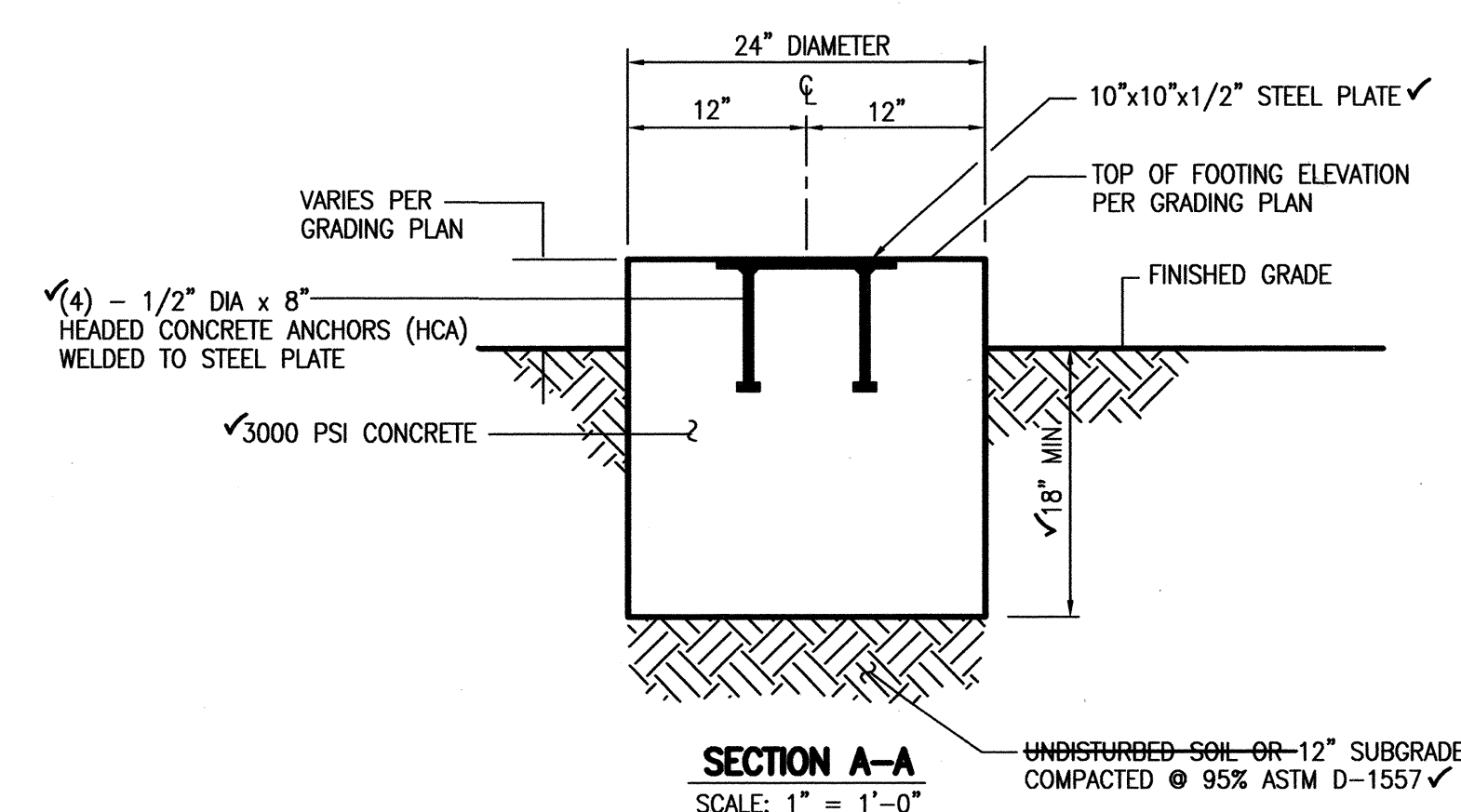


△ RECORD INFORMATION LEGEND

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)
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



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



△ A4 FOUNDATION PLAN
SCALE: 1" = 10'-0"

RECORD DRAWING



HIGH MESA Consulting Group

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

TYPICAL APS PORTABLE CLASSROOM FOUNDATION PLAN
CAFETERIA/KITCHEN PORTABLE
NEW FUTURES HIGH SCHOOL
5400 CUTLER NE

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

NO.	DATE	BY	REVISIONS	JOB NO.
1	02/13	B.E.E.	FOUNDATION CERTIFICATION	2012.180.1
				DATE 12-2012
				SHEET 8 OF 9

BENCHMARKS

PROJECT BENCHMARK - DESTROYED

ACS STA "SAN MATEO EOS", NMSHC SURVEY DISC SET IN CONCRETE AT SOUTHEAST QUADRANT OF THE INTERSECTION OF SAN MATEO BOULEVARD AND INTERSTATE 40, IN A TRIANGULAR CURBED ISLAND. ELEVATION = 5216.72 FEET (NAVD 1988)

THE ELEVATIONS OF T.B.M.#2 THROUGH T.B.M.#4 ARE BASED ON A TOPOGRAPHIC SURVEY PERFORMED BY THIS FIRM IN APRIL, 2008 AND THE PUBLISHED ELEVATION OF ACS STA "SAN MATEO EOS", WHICH WAS SUBSEQUENTLY DESTROYED.

T.B.M. #1 - DESTROYED

A "C" CUT IN TOP OF CURB
ELEVATION = 5210.00 FEET (NAVD 1988)

T.B.M. #2

A "C" CUT IN TOP OF CURB, AS SHOWN ON SHEET 2 OF 3.
ELEVATION = 5223.01 FEET (NAVD 1988)

T.B.M. #3

A CHISELED "C" ON TOP OF CURB, AS SHOWN ON THIS SHEET.
ELEVATION = 5223.68 FEET (NAVD 1988)

T.B.M. #4

A "C" CUT IN TOP/END OF CONCRETE RETAINING WALL, AS SHOWN ON SHEET 2.
ELEVATION = 5212.60 FEET (NAVD 1988)

LEGAL DESCRIPTION

TRACT A-1, CORTEZ ELEMENTARY SCHOOL, ALBUQUERQUE, NEW MEXICO.

CONSTRUCTION NOTES:

- 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.
- 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.
- THE DESIGN OF PLANTERS AND LANDSCAPED AREAS IS NOT PART OF THIS PLAN. ALL PLANTERS AND LANDSCAPED AREAS ADJACENT TO THE BUILDING(S) SHALL BE PROVIDED WITH POSITIVE DRAINAGE TO AVOID ANY PONDING ADJACENT TO THE STRUCTURE. FOR CONSTRUCTION DETAILS, REFER TO LANDSCAPING PLAN.
- REQUIREMENTS FOR GATES AND FENCING TO BE ESTABLISHED UPON COMPLETION OF CONSTRUCTION AND ADEQUATE STUDY OF ACTUAL STUDENT TRAFFIC PATTERNS AND SAFETY CONCERNS.

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.

△ SITE PLAN KEYED NOTES:

1. INSTALL: PORTABLE BUILDINGS (RELOCATE FROM ZUNI ELEMENTARY SCHOOL) COMPLETE WITH FOOTINGS, RAMPS AND STAIRS
2. CONSTRUCT NEW CONCRETE SIDEWALK PER TYPICAL SECTION; MATCH EXISTING GRADE
3. CONSTRUCT NEW 3" ASPHALT PAVING PATCH PER TYPICAL SECTION; MATCH EXISTING GRADE
4. INSTALL: CONCRETE WHEEL STOPS, TYPICAL
5. CRUSHER FINES INSTALLED IN LIEU OF COBBLES
6. ASPHALT CURB TO BLOCK RUNOFF
7. 5' TALL CHAIN LINK FENCE

PALOMAS DRIVE N.E.

ALLEY

CUTLER AVE. N.E.

LA VETA DRIVE N.E.

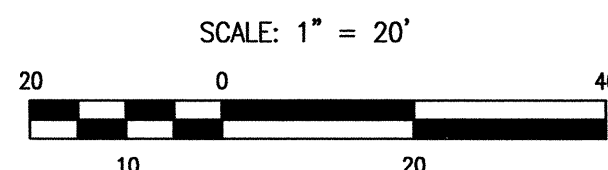
LEGEND

CCP CONCRETE CYLINDER PIPE
CI CAST IRON PIPE
CMP CORRUGATED METAL PIPE
DIP DUCT IRON PIPE
DP DRAIN PIPE
E/PM UNDERGROUND ELECTRIC BY PAINT MARK FROM RECORD DRAWING
FRD UNDERGROUND GAS BY PAINT MARK FROM RECORD DRAWING
G/PM HIGH PRESSURE GAS FROM RECORD DRAWING
HPC/PM HIGH PRESSURE GAS BY PAINT MARK FROM RECORD DRAWING
OHC(1) OVERHEAD COMMUNICATION (# OF LINES)
OHE(1) OVERHEAD ELECTRIC (# OF LINES)
OHT OVERHEAD TELEPHONE LINE
OHV OVERHEAD WATERLINE
PVC POLYVINYL CHLORIDE
RCP REINFORCED CONCRETE PIPE
SAS SANITARY SEWER
SAS/FRD SANITARY SEWER FROM RECORD DRAWINGS
SAS/PM SANITARY SEWER LINE BY PAINT MARK
SWC SIDEWALK CULVERT
T/PM UNDERGROUND COMMUNICATIONS BY PAINT MARK
TELE TELEPHONE
TFO/PM TELEPHONE FIBER OPTICS BY PAINT MARK
TYP TYPICAL
WL WATERLINE
WL/ABD WATERLINE BY AS-BUILT DRAWING
WL/AC WATERLINE TO AIR CONDITIONER
WL/FRD WATERLINE FROM RECORD DRAWING

WL/PM WATERLINE BY PAINT MARK
WLR WATERLINE TO ROOF
UTILITY MARKER
PROPOSED CONCRETE

△ RECORD DRAWING LEGEND

CONSTRUCT RECORD INFORMATION (VERIFIED BY ENGINEER)
✓ AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY ENGINEER)
38' 42" RECORD INFORMATION (VERIFIED BY ENGINEER)
+ 25.2 RECORD INFORMATION (VERIFIED BY ENGINEER)
28.98' 42" RECORD INFORMATION (VERIFIED BY ENGINEER)
✓ AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY AS-BUILT SURVEY)
32' 31.8" RECORD INFORMATION FROM AS-BUILT SURVEY
+ 26.9 RECORD INFORMATION FROM AS-BUILT SURVEY
31.25' 22" RECORD INFORMATION FROM AS-BUILT SURVEY



RECORD DRAWING
FOR CERTIFICATION, SEE SHEET 1

NOTE:
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HIGH MESA Consulting Group

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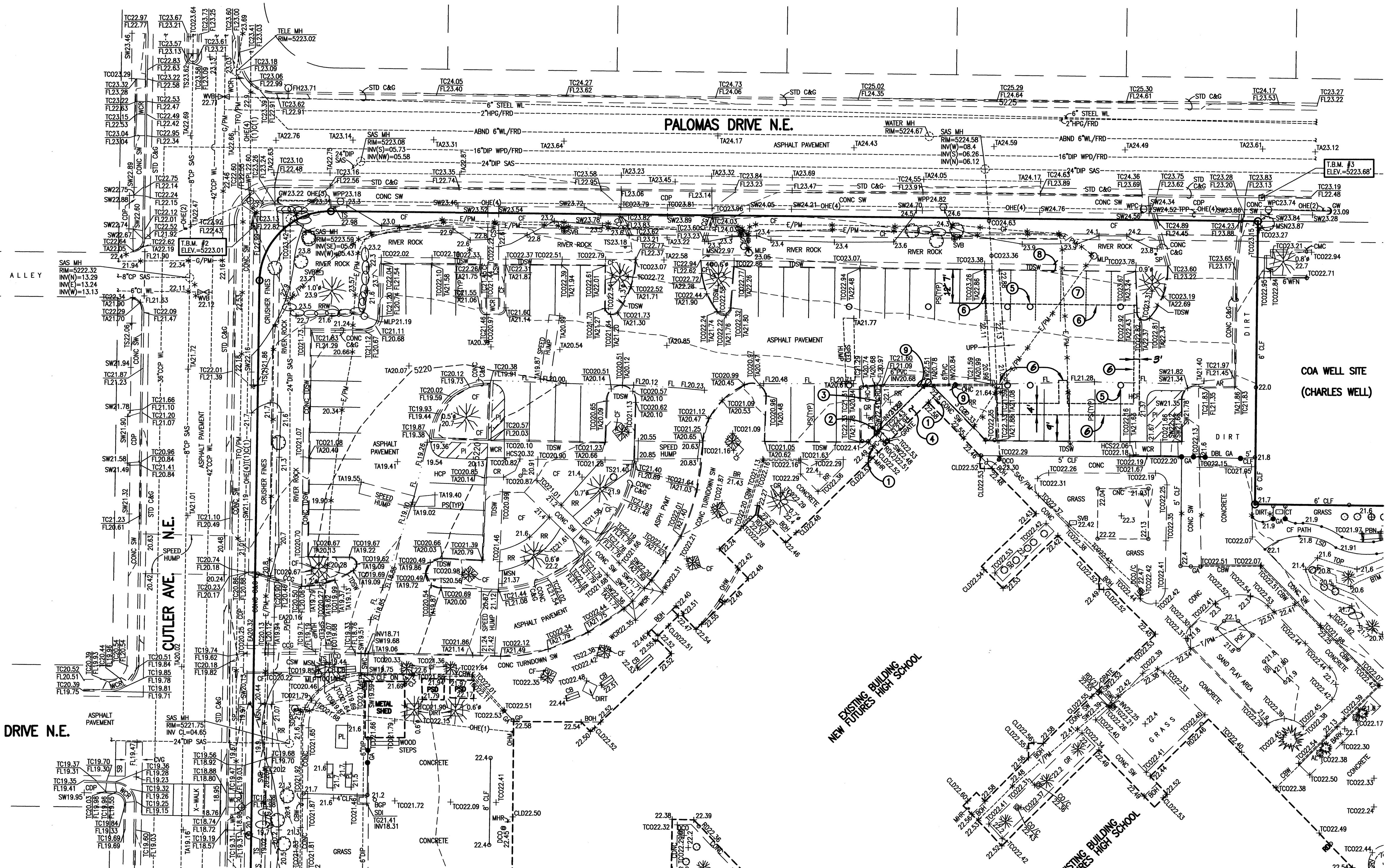
SITE PLAN
CAFETERIA/KITCHEN PORTABLE
NEW FUTURES HIGH SCHOOL
5400 CUTLER NE

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

NO. DATE BY REVISIONS
1 05/13 B.E.E. RECORD DRAWING AND CERTIFICATION

JOB NO. 2012.180.1
DATE 12-2012
SHEET 4 OF 9

- DEMOLITION KEYED NOTES:**
- ✓ 1. NEATLY SAWCUT EXISTING CONCRETE SIDEWALK
 - ✓ 2. EXISTING SIDEWALK CULVERT TO REMAIN REMOVED AND REPLACED PER OWNERS DIRECTION
 - ✓ 3. EXISTING CONCRETE RUNDOWN TO REMAIN
 - ✓ 4. REMOVE AND DISPOSE OF EXISTING CONCRETE SIDEWALK
 - ✓ 5. NEATLY SAWCUT, REMOVE AND DISPOSE OF EXISTING ASPHALT PAVING TO INSTALL SONOTUBE FORMS (REFER TO FOUNDATION PLAN FOR FOOTING LOCATIONS)
 - ✓ 6. NEATLY SAWCUT EXISTING ASPHALT PAVING FOR SANITARY SEWER, WATER SERVICE, AND GAS SERVICE INSTALLATIONS
 - ✓ 7. REMOVE AND DISPOSE OF EXISTING ASPHALT PAVING
 8. EXISTING TURNDOWN CONCRETE EDGE TO REMAIN
 9. EXISTING CURB TO REMAIN



RECORD DRAWING LEGEND

CONSTRUCT	RECORD INFORMATION (VERIFIED BY ENGINEER)
✓	AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY ENGINEER)
38' 42"	RECORD INFORMATION (VERIFIED BY ENGINEER)
+25.2	RECORD INFORMATION (VERIFIED BY ENGINEER)
28.96.42	RECORD INFORMATION (VERIFIED BY ENGINEER)
✓	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

LEGEND

CCP	CONCRETE CYLINDER PIPE	WL/PM	WATERLINE BY PAINT MARK
CI	CAST IRON PIPE	WLR	WATERLINE TO ROOF
CMP	CORRUGATED METAL PIPE	*	UTILITY MARKER
DIP	DUCT IRON PIPE		
DP	DRAIN PIPE		
E/PM	UNDERGROUND ELECTRIC BY PAINT MARK		
FRD	FROM RECORD DRAWING		
G/PM	UNDERGROUND GAS BY PAINT MARK		
HPC/FRD	HIGH PRESSURE GAS FROM RECORD DRAWING		
HPG/PM	HIGH PRESSURE GAS BY PAINT MARK		
OHC(1)	OVERHEAD COMMUNICATION (# OF LINES)		
OHC(1)	OVERHEAD ELECTRIC (# OF LINES)		
OHT	OVERHEAD TELEPHONE LINE		
OHW	OVERHEAD WATERLINE		
PVC	POLYVINYL CHLORIDE		
RCP	REINFORCED CONCRETE PIPE		
SAS	SANITARY SEWER		
SAS/FRD	SANITARY SEWER FROM RECORD DRAWINGS		
SAS/PM	SANITARY SEWER LINE BY PAINT MARK		
SWC	SIDEWALK CULVERT		
T	TELEPHONE		
T/PM	UNDERGROUND COMMUNICATIONS BY PAINT MARK		
TELE	TELEPHONE		
TFD/PM	TELEPHONE FIBER OPTICS BY PAINT MARK		
TYP	TYPICAL		
WL	WATERLINE		
WL/ABD	WATERLINE BY AS-BUILT DRAWING		
WL/AC	WATERLINE TO AIR CONDITIONER		
WL/FRD	WATERLINE FROM RECORD DRAWING		

NOTE:
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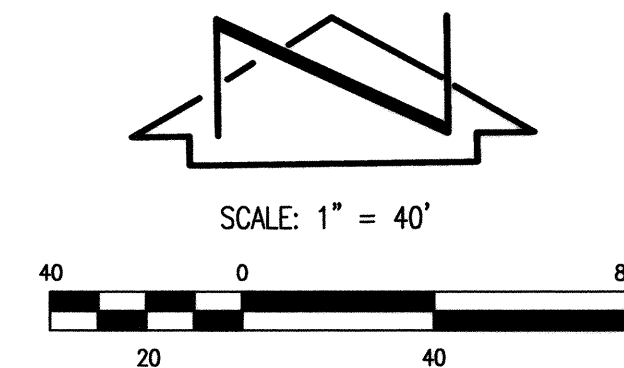
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DEMOLITION PLAN
CAFETERIA/KITCHEN PORTABLE
NEW FUTURES HIGH SCHOOL
5400 CUTLER NE

DESIGNED BY	J.G.M.	DATE	05/19	BY	B.E.E.	RECORD DRAWING AND CERTIFICATION	JOB NO.	2012.180.1
DRAWN BY	J.Y.R.						DATE	12-2012
APPROVED BY	J.G.M.						SHEET	3 OF 9

RECORD DRAWING
FOR CERTIFICATION, SEE SHEET 1

08-06-2013
JEFFREY G. MORTENSEN
REGISTERED PROFESSIONAL ENGINEER
NEW MEXICO
8347
12-06-2012



BENCHMARKS

PROJECT BENCHMARK - DESTROYED

ACS STA "SAN MATEO EOS", NMSHC SURVEY DISC SET IN CONCRETE AT SOUTHEAST QUADRANT OF THE INTERSECTION OF SAN MATEO BOULEVARD AND INTERSTATE 40, IN A TRIANGULAR CURBED ISLAND. ELEVATION = 5216.72 FEET (NAVD 1988)

THE ELEVATIONS OF T.B.M.#2 THROUGH T.B.M.#4 ARE BASED ON A TOPOGRAPHIC SURVEY PERFORMED BY THIS FIRM IN APRIL, 2008 AND THE PUBLISHED ELEVATION OF ACS STA "SAN MATEO EOS", WHICH WAS SUBSEQUENTLY DESTROYED.

T.B.M. #1 - DESTROYED

A "C" CUT IN TOP OF CURB
ELEVATION = 5210.00 FEET (NAVD 1988)

T.B.M. #2

A "C" CUT IN TOP OF CURB, AS SHOWN ON THIS SHEET.
ELEVATION = 5223.01 FEET (NAVD 1988)

T.B.M. #3

A CHISELED "C" ON TOP OF CURB, AS SHOWN ON THIS SHEET.
ELEVATION = 5223.68 FEET (NAVD 1988)

T.B.M. #4

A "C" CUT IN TOP/END OF CONCRETE RETAINING WALL, AS SHOWN ON THIS SHEET.
ELEVATION = 5212.60 FEET (NAVD 1988)

LEGEND

CCP	CONCRETE CYLINDER PIPE
CI	CAST IRON PIPE
CMP	CORRUGATED METAL PIPE
DIP	DUCT IRON PIPE
DP	DRAIN PIPE
E/PM	UNDERGROUND ELECTRIC BY PAINT MARK
FRD	FROM RECORD DRAWING
G/PM	UNDERGROUND GAS BY PAINT MARK
HPG/FRD	HIGH PRESSURE GAS FROM RECORD DRAWING
HPG/PM	HIGH PRESSURE GAS BY PAINT MARK
OHE(1)	OVERHEAD COMMUNICATION (1 OF LINES)
OHE(1)	OVERHEAD ELECTRIC (1 OF LINES)
OHT	OVERHEAD TELEPHONE LINE
OHV	OVERHEAD WATERLINE
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
SAS	SANITARY SEWER
SAS/FRD	SANITARY SEWER FROM RECORD DRAWINGS
SAS/PM	SANITARY SEWER LINE BY PAINT MARK
SWC	SEWER CULVERT
T	TELEPHONE
T/PM	UNDERGROUND COMMUNICATIONS BY PAINT MARK
TELE	TELEPHONE
TFO/PM	TELEPHONE FIBER OPTICS BY PAINT MARK
TYP	TYPICAL
WL	WATERLINE
WL/ABD	WATERLINE BY AS-BUILT DRAWING
WL/AC	WATERLINE TO AIR CONDITIONER
WL/FRD	WATERLINE FROM RECORD DRAWING
WL/PM	WATERLINE BY PAINT MARK
WLR	WATERLINE TO ROOF
*	UTILITY MARKER

NOTE:

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KEYED NOTES

EASEMENTS

- APPROXIMATE LOCATION OF 10' MST&T RIGHT-OF-WAY EASEMENT GRANTED BY DOCUMENT EXECUTED 03-30-1962 (UNRECORDED)
- CITY OF ALBUQUERQUE WATER LINE EASEMENT GRANTED BY DOCUMENT EXECUTED 10-07-1987 (UNRECORDED)
- 7' PRIVATE UTILITY EASEMENT GRANTED BY PLAT C34-18
- 5' PUBLIC UTILITY EASEMENT GRANTED BY PLAT 98C-200
- 5' PNM AND US WEST COMMUNICATIONS EASEMENT GRANTED BY DOCUMENT FILED 05-09-2001, BOOK A19, PAGE 1640, DOCUMENT NO. 2001053214
- PUBLIC UTILITY, PUBLIC SANITARY SEWER, PUBLIC WATER AND PUBLIC DRAINAGE EASEMENT RESERVED BY VACATION ACTION NUMBER V-98-38 PER PLAT 98C-200
- CONSTRUCTION MAINTENANCE EASEMENT GRANTED BY DOCUMENT FILED 04-22-2009, DOC. #2009043590 (NMDOT & ABCWUA)

RECORD DRAWING KEYED NOTES

- PRIVATE FIRE PROTECTION LINE DEPICTED BY THIS FIRM, NEW FUTURES HIGH SCHOOL (AS-BUILTS), SHEETS 1-3, DATED 09-30-2009. (CPN 337181)
- WATER LINES DEPICTED BY WILSON & COMPANY/BOHANNAN HUSTON, 1-40 / SAN MATEO INTERCHANGE, SHEET 13-1, DATED 05-07-2008. (CPN 5440.83)
- STORM DRAIN DEPICTED BY BSN SANTA FE / AS HORNER, SAN MATEO INTERCHANGE, SHEETS 1-8, DATED 08-2009. (CPN 551391)

BOUNDARY TABLES

LINE	DIRECTION	DISTANCE
L1	N 89°22'11" W	100.05'
L2	S 02°14'52" W	80.09'
L3	N 76°01'25" W	77.46'

CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA
C1	25.00'	39.40'	N 45°45'28" E	35.45'	90°17'55"
C2	25.00'	39.14'	S 44°14'32" E	35.26'	89°42'05"
C3	693.50'	347.37'	N 61°43'05" W	343.75'	28°41'57"
C4	282.50'	78.26'	N 39°16'15" W	78.01'	15°52'21"

OVERALL PLAN (FOR ORIENTATION ONLY) CAFETERIA/KITCHEN PORTABLE NEW FUTURES HIGH SCHOOL 5400 CUTLER NE

DESIGNED BY	J.G.M.	DATE	05/13	BY	B.E.E.	REVISIONS	RECORD DRAWING	JOB NO.	2012.180.1
DRAWN BY	J.Y.R.	DATE		BY		REVISIONS		DATE	12-2012
APPROVED BY	J.G.M.	DATE		BY		REVISIONS		SHEET	2 OF 9

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