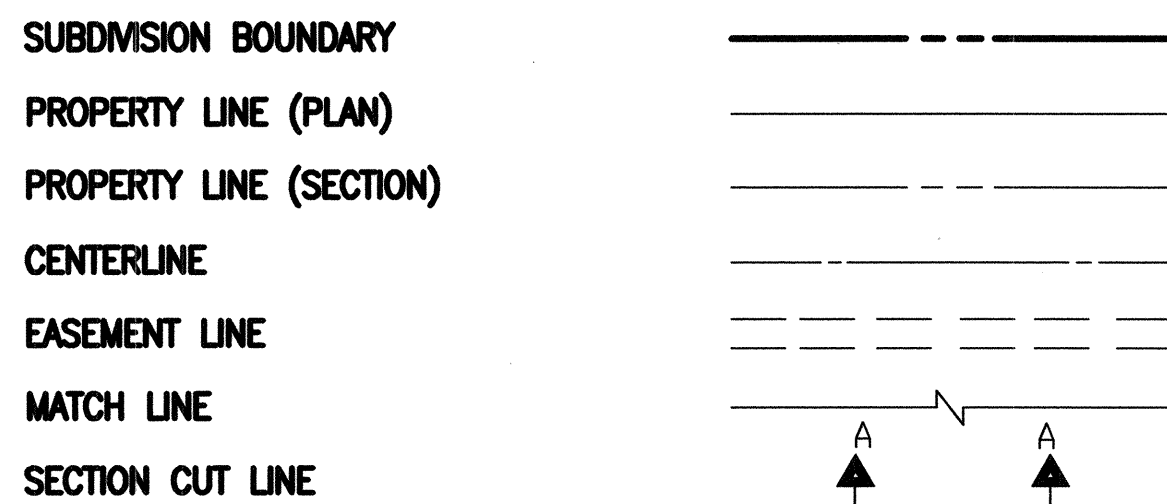


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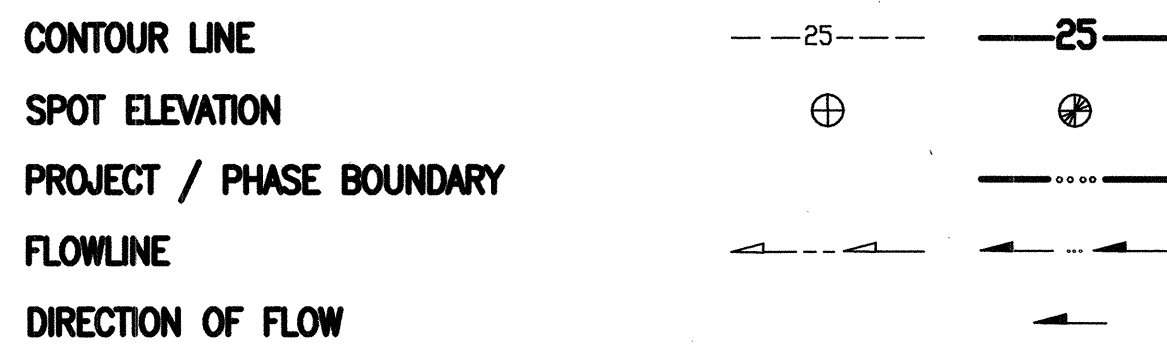
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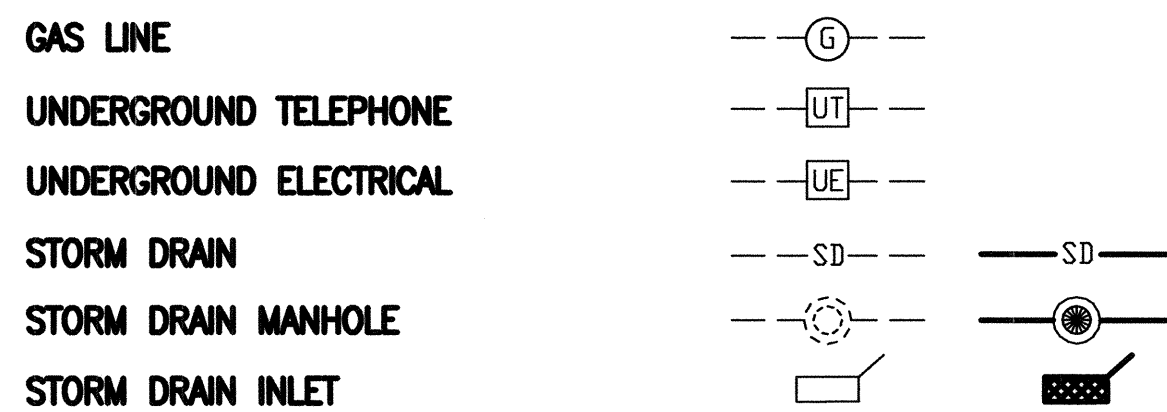
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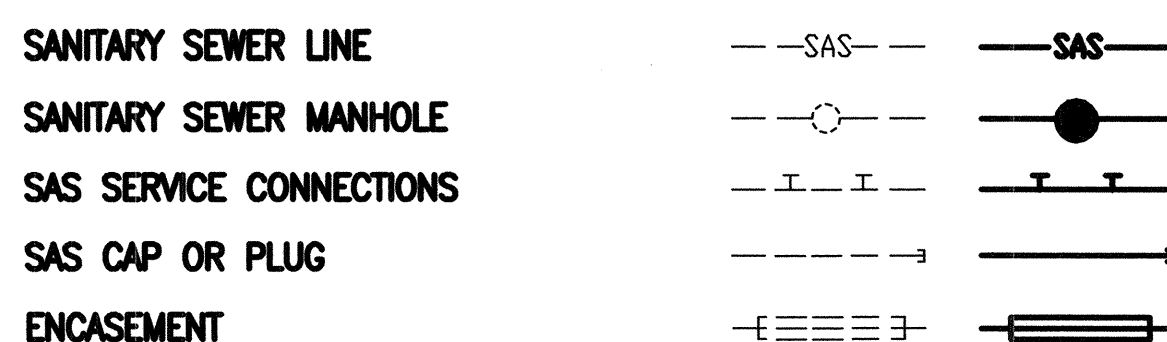
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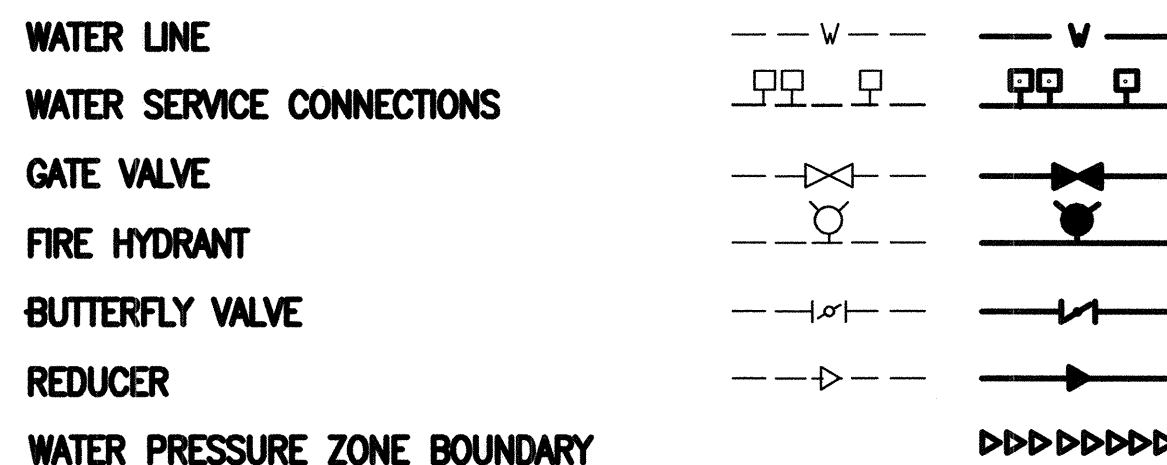
MISCELLANEOUS UTILITIES



SANITARY SEWER



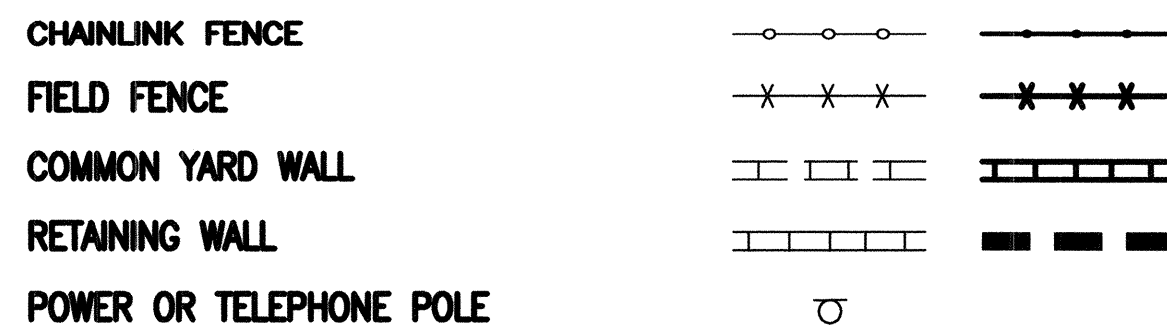
WATER



WATER FITTINGS



MISCELLANEOUS



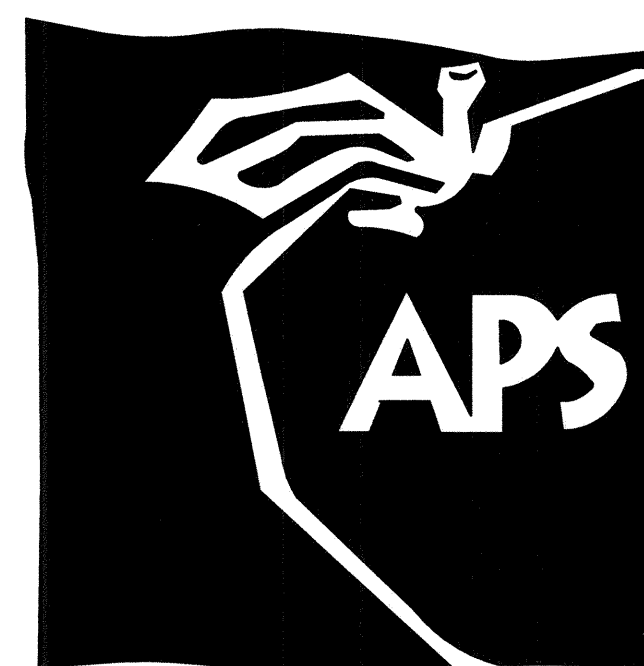
CONSTRUCTION PLANS

for

PORTABLE CLASSROOM RELOCATIONS CAREER ENRICHMENT CENTER

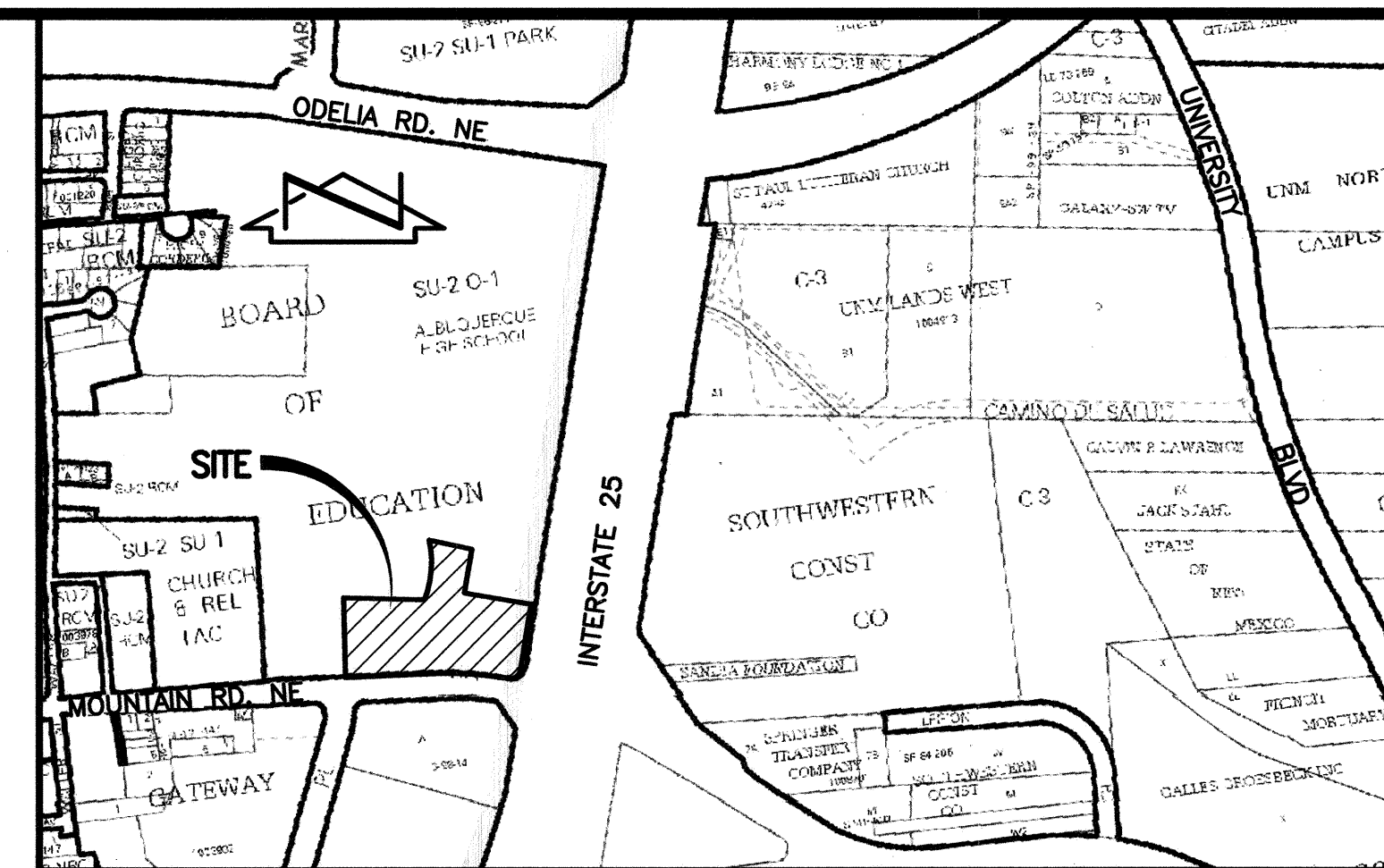
807 MOUNTAIN ROAD N.E.
ALBUQUERQUE, NEW MEXICO

JUNE, 2014



INDEX OF DRAWINGS

SHEET	DESCRIPTION
1	COVER SHEET, VICINITY MAP, GENERAL NOTES, LEGEND AND INDEX OF DRAWINGS
2	OVERALL PLAN
3	DEMOLITION PLAN - SOUTH
4	DEMOLITION PLAN - NORTH
5	SITE PLAN
6	PAVING SECTIONS & DETAILS
7	GRADING PLAN - SOUTH
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9	DRAINAGE PLAN AND CALCULATIONS
10	UTILITY SITE PLAN - SOUTH
11	UTILITY SITE PLAN - NORTH
12	PORTABLE CLASSROOM UTILITY CONNECTION DETAILS
13	TYPICAL APS PORTABLE CLASSROOM FOUNDATION PLAN
14	TYPICAL APS CLASSROOM PORTABLE RAMPS & STAIRS



VICINITY MAP

SCALE: 1" = 750'

J-15

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, FOR DESIGNATION (LINE-SPOTTING) OF EXISTING PUBLIC UTILITIES AND EXISTING UTILITIES OWNED AND OPERATED BY ALBUQUERQUE PUBLIC SCHOOLS.
- 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 OF 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 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 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 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 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. 2013.184.2

REV.	SHEETS	CITY	ENGINEER	DATE	USER	DEPARTMENT	DATE	USER	DEPARTMENT	DATE
APPROVAL OF REVISIONS										

06-27-2014

HIGH MESA Consulting Group

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

APPROVED FOR CONSTRUCTION

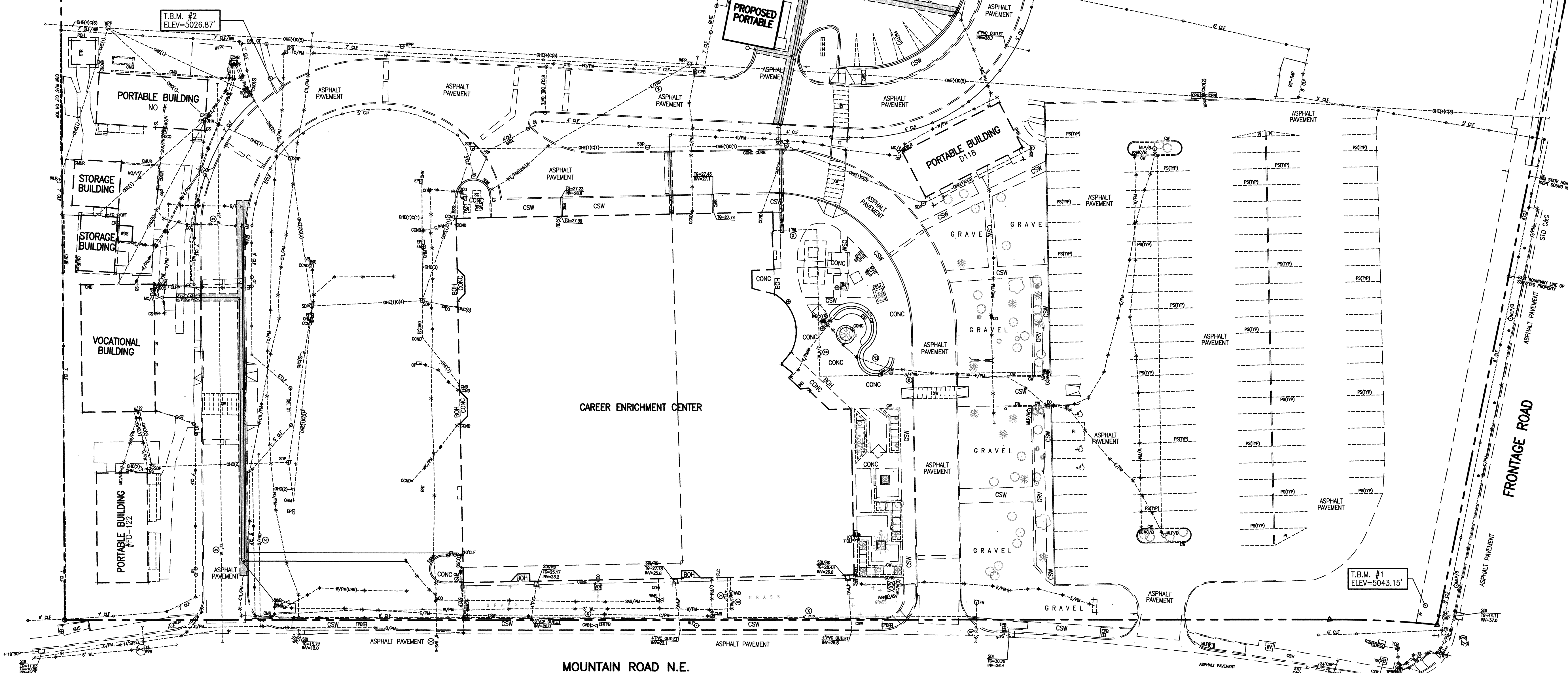
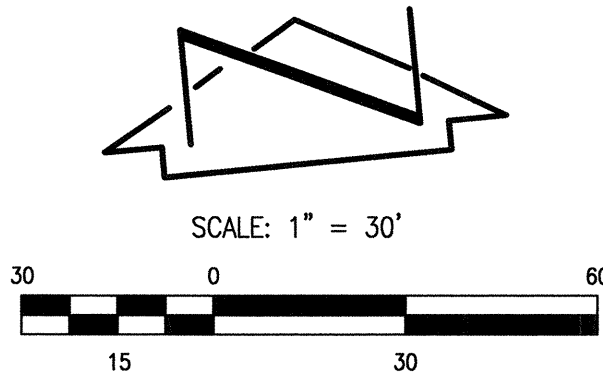
C.E.

SHEET 1 OF 14

LEGEND

ADT ACID DILUTION TANK
ANT ANTENNA
ASPH ASPHALT
ASV ANTI-SIPHON VALVE
BOH BUILDING OVERHANG
BPLT BRICK PLANTER
BRK BRICK RACK
BRK BRICK
C&G CURB AND GUTTER
C/PM COMMUNICATION LINE BY PAINT MARK
CAN CANOPY
CB CONCRETE BENCH
CC CONCRETE CURB
CCND COMMUNICATION CONDUIT
CDP CONCRETE DRIVE PAD
CF LANDSCAPING CRUSHER FINES
CHC CONCRETE HEADER CURB
CLD CENTERLINE DOOR
CLDD CENTERLINE DOUBLE DOOR
CLF CHAIN LINK FENCE
CMH COMMUNICATION MANHOLE
CMP CORRUGATED METAL PIPE
CMR COMMUNICATION RISER
CND CONCRETE CONDUIT
CO CLEANOUT
CONC CONCRETE
COP CURB OPENING
CP COMMUNICATION PANEL
CPB COMMUNICATION PULLBOX
CPLT CONCRETE PLANTER
CR CONCRETE RAMP
CRD CONCRETE RUNDOWN
CRW CONCRETE RETAINING WALL
CS CONCRETE STEPS
CST CONCRETE SEAT
CSW CONCRETE SIDEWALK
CTW CONCRETE TRASH CAN
CW CONCRETE WALL
DBL DOUBLE
DCO DOUBLE CLEANOUT
DP UTILITY DELINEATOR POST
DT DIRT
E/PM ELECTRIC LINE BY PAINT MARK
EA EDGE OF ASPHALT
EM ELECTRIC METER
EMH ELECTRIC MANHOLE
EO ELECTRIC OUTLET
EP ELECTRIC PANEL
EPB ELECTRIC PULLBOX
EV ELECTRIC VAULT
FH FIRE HYDRANT
FL FLOW LINE
FLC FIRE LINE CONNECTION
FLP FIRE PROTECTION LINE
FP FLAG POLE
FRD FROM RECORD DRAWING
G/PM GAS LINE BY PAINT MARK
GM GAS METER
GSV GAS SERVICE
GS GATE
GTS GATE STOP POST
GV GAS VALVE BOX
HCP HANDICAPPED PARKING SIGN
HCT IRRIGATION CONTROL TIMER
HVB IRRIGATION VALVE BOX
MAST TRAFFIC SIGNAL MAST
MBC METAL BUILDING COLUMN
MC/B METER CAN WITH BIG VALVE
MC/V METER CAN WITH VALVE
MH MANHOLE
MHR METAL HAND RAIL
MLN METAL LANDING
MLP METAL LIGHT POLE
MLP/B METAL LIGHT POLE WITH CONCRETE BASE
MR METAL RAMP
MS METAL STEPS
MTS METAL SIGN
OHC(1) OVERHEAD COMMUNICATION (# OF LINES)
OHC(1) OVERHEAD ELECTRIC (# OF LINES)
OHM OVERHEAD MAST
OHW OVERHEAD WATER LINE
PE PLAYGROUND EQUIPMENT
PLT PAINTED PARKING LOT ISLAND
PNT PAINTED PARKING STRIPE
PNT PAVEMENT
PVC POLYVINYL CHLORIDE PIPE
RCP REINFORCED CONCRETE PIPE
ROF ROOF DRAIN
RRIT LANDSCAPING RAILROAD TIES
SAS SANITARY SEWER
SAS/PM SANITARY SEWER BY PAINT MARK
SD STORM DRAIN INLET
SD/RD STORM DRAIN INLET FOR ROOF DRAIN
SDP SERVICE DROP POLE
SG ELECTRIC SWITCH GEAR
SGP STEEL GUARD POST
SH ASPHALT SPEED HUMP
SP STEEL PIPE
SSW STUCCO SCREEN WALL
STD STANDARD
STW STUCCO WALL
SWC SIDEWALK CULVERT
TA TOP OF ASPHALT
TC TOP OF CURB
TCB TRAFFIC CONTROL BOX
TCR TRAFFIC CONTROL CABINET
TCO TOP OF CONCRETE
TG TOP OF GRATE
TPB TRAFFIC PULLBOX
TRN ELECTRIC TRANSFORMER
TRW TREE WELL
TS TRAFFIC SIGN
TSC TRAFFIC SIGNAL
TV/PM CABLE TELEVISION BY PAINT MARK
TVR CABLE TELEVISION RISER
TW TOP OF WALL
TYP TYPICAL
UNK UNKNOWN SOURCE
VCP VITRIFIED CLAY PIPE
VG CONCRETE VALLEY GUTTER
W/PM WATER LINE BY PAINT MARK
WB WOOD BENCH
WCR CONCRETE WHEELCHAIR RAMP
WF WATER FAUCET
WL WATER LINE
WLN WOOD LANDING
WLR WATER LINE TO ROOF
WMR WATER METER BOX
WPP WOOD POWER POLE
WS WOOD STEPS
WV WATER VAULT
WVB WATER VALVE BOX
XW PAINTED CROSS WALK

* 1.0%
PAINTED UTILITY MARKER
DIAMETER OF TREE
TREE STUMP
YUCCA/CACTUS
DECIDUOUS TREE
SMALL DECIDUOUS TREE
SMALL CONIFEROUS TREE
SHRUB
SMALL SHRUB
GROUP OF TREES



BENCHMARKS

PROJECT BENCHMARK
CITY OF ALBUQUERQUE SURVEY CONTROL 3 1/4" ALUMINUM DISK STAMPED "9-J15 1990", RIVETED TO AN ALUMINUM TUBE PROJECTING 0.25" ABOVE GRADE ON THE NORTH SIDE OF LOMAS BOULEVARD N.E. APPROXIMATELY 244' WEST OF THE INTERSECTION WITH LEGION ROAD N.E.
ELEVATION = 5093.057 FEET (NAVD 88)

TEMPORARY BENCHMARK #1 (T.B.M.)
A #5 REBAR WITH CONTROL CAP STAMPED "HMC GROUP NMP5 11184", IN THE SOUTHEASTERN PORTION OF THE SITE, AS SHOWN ON THIS SHEET.
ELEVATION = 5043.15 FEET (NAVD 88)

TEMPORARY BENCHMARK #2 (T.B.M.)
A #5 REBAR WITH CONTROL CAP STAMPED "HMC GROUP NMP5 11184", IN THE NORTHWESTERN PORTION OF THE SITE, AS SHOWN ON THIS SHEET.
ELEVATION = 5026.87 FEET (NAVD 88)

SURVEY NOTE:

THIS IS NOT A BOUNDARY SURVEY; DATA IS SHOWN FOR ORIENTATION ONLY. THE BOUNDARY INFORMATION DEPICTED BY THIS PLAN IS BASED UPON A PREVIOUS PRELIMINARY, UNCERTIFIED SURVEY, PREPARED BY HIGH MESA CONSULTING GROUP, NMP5 11184, DATED 2009. THE TOPOGRAPHIC INFORMATION DEPICTED HEREON IS BASED UPON THE TOPOGRAPHIC AND UTILITY SURVEY PREPARED BY HIGH MESA CONSULTING GROUP, NMP5 NO. 11184, DATED 05-13-2013 (2013.184.4).

HIGH MESA Consulting Group

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

OVERALL PLAN PORTABLE CLASSROOM RELOCATIONS CAREER ENRICHMENT CENTER 807 MOUNTAIN ROAD N.E.

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

REVISIONS				JOB NO.	
NO.	DATE	BY		2013.184.2	
				06-2014	
				2	14



DEMOLITION PLAN - SOUTH KEYED NOTES:

- 1 DISCONNECT ALL EXISTING UTILITIES;
REMOVE AND STORE EXISTING LANDINGS, RAMPS AND STAIRS;
REMOVE AND REINSTALL EXISTING PORTABLE CLASSROOM BUILDING;
REMOVE AND DISPOSE OF EXISTING FOUNDATION PIERS;
REMOVE AND DISPOSE OF EXISTING STEMMALLS AND OTHER SUPPORT SYSTEMS
- 2 REMOVE AND RELOCATE EXISTING SHED;
REMOVE AND DISPOSE OF CONCRETE SLAB AND FOUNDATION SUPPORTS;
REMOVE AND DISPOSE OF CONCRETE RAMPS AND APPURTENANCES
- 3 REMOVE AND DISPOSE OF EXISTING REFUSE PAD AND ENCLOSURE
- 4 REMOVE AND DISPOSE OF EXISTING ASPHALT PAVING
- 5 NEATLY SAWCUT EXISTING ASPHALT PAVING
- 6 NEATLY SAWCUT EXISTING CONCRETE SIDEWALK
- 7 REMOVE AND DISPOSE OF EXISTING CONCRETE SIDEWALK
- 8 EXISTING SIDEWALK TO REMAIN
- 9 EXISTING ASPHALT PAVING TO REMAIN
- 10 REMOVE AND DISPOSE OF EXISTING GAS LINE IN ITS ENTIRETY BACK TO POINT OF CONNECTION
- 11 EXISTING GAS LINE TO REMAIN
- 12 EXISTING GAS METER AND SERVICE LINE TO REMAIN
- 13 CUT AND CAP EXISTING GAS LINE AT BACK-OF-CURB; FOR CONNECTION TO NEW GAS SERVICE, SEE SHEET 10
- 14 CUT AND CAP EXISTING GAS LINE AT PROJECTION OF PAVEMENT CUT; FOR CONNECTION TO NEW GAS SERVICE, SEE SHEET 10
- 15 (NOT USED)
- 16 (NOT USED)
- 17 (NOT USED)
- 18 (NOT USED)
- 19 (NOT USED)
- 20 REMOVE AND DISPOSE OF EXISTING SANITARY SEWER LINE IN ITS ENTIRETY INCLUDING ALL CLEANOUTS AND FITTINGS
- 21 EXISTING SANITARY SEWER SERVICE LINE TO REMAIN
- 22 NEATLY CUT AND TEMPORARY PLUG EXISTING SANITARY SEWER SERVICE LINE; FOR CONNECTION TO NEW SANITARY SEWER LINE, SEE SHEET 10
- 23 EXISTING ACID DILUTION WASTE LINE TO REMAIN; DO NOT REMOVE
- 24 (NOT USED)
- 25 (NOT USED)
- 26 (NOT USED)
- 27 (NOT USED)
- 28 (NOT USED)
- 29 (NOT USED)
- 30 REMOVE AND DISPOSE OF EXISTING WATER SERVICE LINE IN ITS ENTIRETY BACK TO POINT OF CONNECTION, INCLUDING VALVES, FITTINGS AND VALVE CANS
- 31 REMOVE AND DISPOSE OF EXISTING WATER VALVE AND VALVE CAN INCLUDING ALL CONNECTING PIPE BACK TO POINT OF CONNECTION
- 32 EXISTING WATER LINE TO REMAIN
- 33 ABOVEGROUND WATER LINE - DO NOT DISTURB
- 34 (NOT USED)
- 35 (NOT USED)
- 36 (NOT USED)
- 37 (NOT USED)
- 38 (NOT USED)
- 39 (NOT USED)
- 40 EXISTING EQUIPMENT AND ENCLOSURE TO REMAIN
- 41 FOR DEMOLITION OF OVERHEAD ELECTRIC AND COMMUNICATIONS LINES, SEE ELECTRICAL PLAN
- 42 FOR DEMOLITION OF UNDERGROUND COMMUNICATIONS LINES, SEE ELECTRICAL PLAN
- 43 FOR DEMOLITION OF UNDERGROUND ELECTRIC LINES, SEE ELECTRICAL PLAN
- 44 EXISTING ELECTRIC LINE TO REMAIN (SEE ELECTRICAL PLAN FOR VERIFICATION)
- 45 EXISTING COMMUNICATION LINE TO REMAIN (SEE ELECTRICAL PLAN FOR VERIFICATION)
- 46 EXISTING ELECTRIC AND COMMUNICATION LINES TO REMAIN
- 47 (NOT USED)
- 48 (NOT USED)
- 49 (NOT USED)
- 50 EXISTING PLANTER REMOVED BY OTHERS
- 51 REMOVE AND RETURN EXISTING EXERCISE EQUIPMENT
- 52 REMOVE AND RETURN EXISTING RAILROAD TIES
- 53 REMOVE AND DISPOSE OF EXISTING TREE
- 54 REMOVE AND DISPOSE OF EXISTING STEEL POST
- 55 NEATLY SAWCUT EXISTING CONCRETE CURB FOR UTILITY INSTALLATIONS
- 56 REMOVE AND DISPOSE OF EXISTING CONCRETE CURB IN CONJUNCTION WITH UTILITY INSTALLATIONS
- 57 (NOT USED)
- 58 (NOT USED)
- 59 (NOT USED)
- 60 (NOT USED)

SURVEY NOTE:

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BENCHMARKS

PROJECT BENCHMARK

CITY OF ALBUQUERQUE SURVEY CONTROL 3 1/4" ALUMINUM DISK STAMPED "9-J15 1990" RIVETED TO AN ALUMINUM TUBE PROJECTING 0.25" ABOVE GRADE ON THE NORTH SIDE OF LOMAS BLVD. N.E. APPROXIMATELY 244' WEST OF THE INTERSECTION WITH LEGION ROAD N.E.
ELEVATION = 5093.057 FEET (NAVD 88)

TEMPORARY BENCHMARK #2 (T.B.M.)

A #5 REBAR WITH CONTROL CAP STAMPED "HMC CONTROL NMPS 11184". IN THE NORTHWESTERN PORTION OF THE SITE, AS SHOWN ON THIS SHEET.
ELEVATION = 5026.87 FEET (NAVD 88)

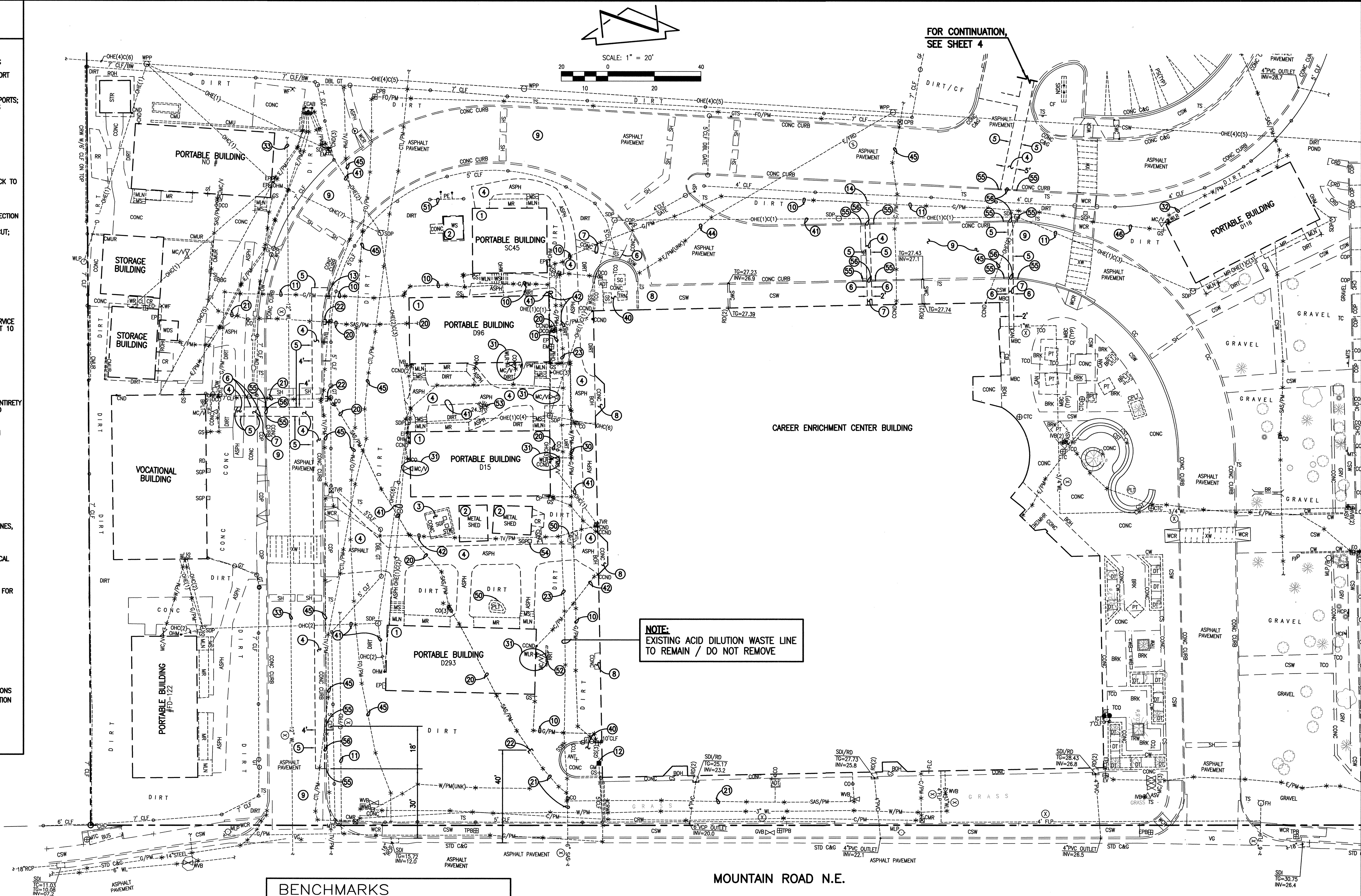
DEMOLITION PLAN - SOUTH PORTABLE CLASSROOM RELOCATIONS CAREER ENRICHMENT CENTER 807 MOUNTAIN ROAD N.E.

MOUNTAIN ROAD N.E.

NOTE:
EXISTING ACID DILUTION WASTE LINE
TO REMAIN / DO NOT REMOVE

FOR CONTINUATION,
SEE SHEET 4

SCALE: 1" = 20'



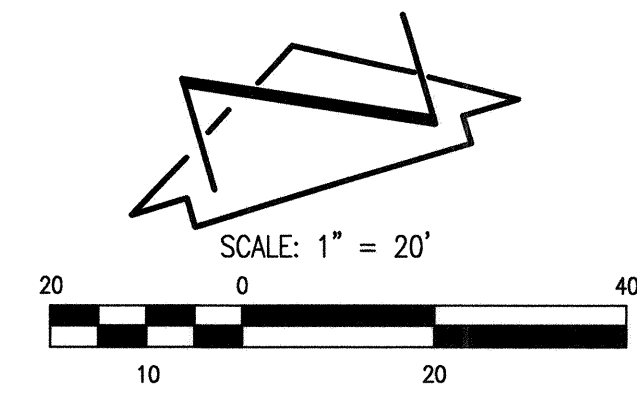
JEFFREY G. MORTENSEN
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
8547
06-27-2014

	NO.	DATE	BY	REVISIONS	JOB NO.
DESIGNED BY J.G.M.					2013.184.2
DRAWN BY J.Y.R.					06-2014
APPROVED BY J.G.M.					SHEET 3 OF 14

PROJECT BENCHMARK
 CITY OF ALBUQUERQUE SURVEY CONTROL 3 1/4" ALUMINUM DISK STAMPED "9-J15 1990"
 RIVETED TO AN ALUMINUM TUBE PROJECTING 0.25' ABOVE GRADE ON THE NORTH SIDE OF
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TEMPORARY BENCHMARK #2 (T.B.M.)
 A #5 REBAR WITH CONTROL CAP STAMPED "HMC6 CONTROL NMPS 11184", IN THE
 NORTHWESTERN PORTION OF THE SITE, AS SHOWN ON THIS SHEET.
 ELEVATION = 5026.87 FEET (NAVD 88)

	PROPOSED CONCRETE
	PROPOSED ASPHALT PAVING



- ① NEATLY SAWCUT EXISTING CONCRETE CURB AND GUTTER
- 2 REMOVE AND DISPOSE OF EXISTING CURB AND GUTTER
- 3 EXISTING CURB AND GUTTER TO REMAIN
- 4 EXISTING SIDEWALK TO REMAIN
- 5 NEATLY SAWCUT AND REMOVE AND DISPOSE OF EXISTING ASPHALT PAVING AND PREPARE SUBGRADE FOR PORTABLE BUILDING INSTALLATION
- 6 EXISTING ASPHALT PAVING TO REMAIN
- 7 EXISTING UNDERGROUND ELECTRIC TO REMAIN; CONTRACTOR SHALL EXERCISE CARE DURING PAVEMENT DEMOLITION AND SUBGRADE PREPARATION
- 8 EXISTING CONCRETE SLOPE PAVING TO REMAIN
- ⑨ NEATLY SAWCUT, REMOVE, DISPOSE AND REPLACE EXISTING ASPHALT PAVEMENT IN CONJUNCTION WITH UTILITY INSTALLATIONS (SEE SHEET 11)

THIS IS NOT A BOUNDARY SURVEY; DATA IS SHOWN FOR ORIENTATION ONLY. THE BOUNDARY INFORMATION DEPICTED BY THIS PLAN IS BASED UPON A PREVIOUS PRELIMINARY, UNCERTIFIED SURVEY, PREPARED BY HIGH MESA CONSULTING GROUP, NMPS 11184, DATED 2009. THE TOPOGRAPHIC INFORMATION DEPICTED HEREON IS BASED UPON THE TOPOGRAPHIC AND UTILITY SURVEY PREPARED BY HIGH MESA CONSULTING GROUP, NMPS NO. 11184, DATED 05-13-2013 (2013.184.4).

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DESIGNED BY	J.G.M.	NO.	DATE	BY	REVISIONS	JOB NO.	2013.184.2
DRAWN BY	J.Y.R.					DATE	06-2014
APPROVED BY	J.G.M.					SHEET	4 OF 1

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File Name: 131842_SH4.DWG	Plot Time:	09:24 am

BENCHMARKS

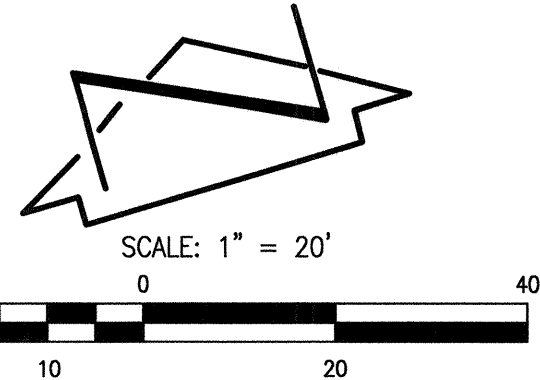
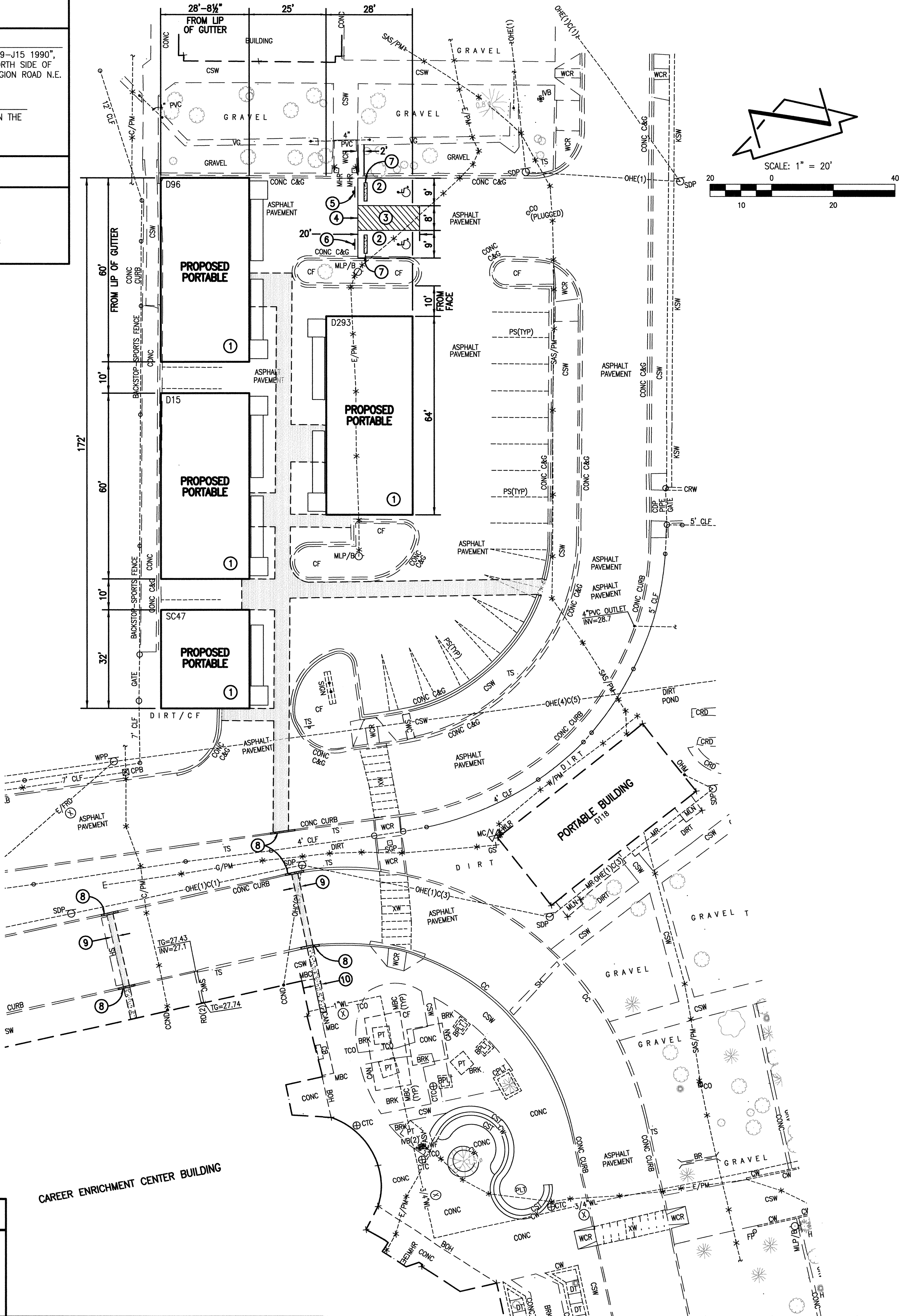
PROJECT BENCHMARK

CITY OF ALBUQUERQUE SURVEY CONTROL 3 1/4" ALUMINUM DISK STAMPED "9-J15 1990", RIVETED TO AN ALUMINUM TUBE PROJECTING 0.25" ABOVE GRADE ON THE NORTH SIDE OF LOMAS BLVD. N.E. APPROXIMATELY 244' WEST OF THE INTERSECTION WITH LEGION ROAD N.E. ELEVATION = 5093.057 FEET (NAVD 88)

TEMPORARY BENCHMARK #2 (T.B.M.)

A #5 REBAR WITH CONTROL CAP STAMPED "HMC6 CONTROL NMPS 11184", IN THE NORTHWESTERN PORTION OF THE SITE, AS SHOWN ON THIS SHEET. ELEVATION = 5026.87 FEET (NAVD 88)

DESIGN LEGEND



CONSTRUCTION NOTES:

1. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM 260-1990 FOR DESIGNATION (LINE-SPOTTING) OF EXISTING PUBLIC UTILITIES AND EXISTING UTILITIES OWNED AND OPERATED BY ALBUQUERQUE PUBLIC SCHOOLS.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INTERPRETATIONS IT MAKES WITHOUT FIRST CONTACTING THE ENGINEER AS REQUIRED ABOVE.
3. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
4. ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.
5. IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS INVESTIGATION IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.

EROSION CONTROL MEASURES:

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

SITE PLAN KEYED NOTES:

1. INSTALL EXISTING PORTABLE CLASSROOM BUILDING INCLUDING FOUNDATION PIERS, LANDINGS AND RAMPS
2. INSTALL 1-ADA COMPLIANT HANDICAP PARKING SPACE PAVEMENT MARKING WITH WHITE TRAFFIC PAINT, MIN 2 COATS
3. PAINT 4" WIDE CROSS-HATCH (2' CC) PAVEMENT MARKINGS @ 45 DEG WITH WHITE TRAFFIC PAINT, MIN 2 COATS
4. PAINT 4" PAVEMENT MARKING WITH WHITE TRAFFIC PAINT, MIN 2 COATS
5. INSTALL 1-ADA COMPLIANT HANDICAP PARKING SIGN
6. INSTALL 1-ADA COMPLIANT HANDICAP PARKING SIGN WITH VAN ACCESSIBLE PLACARD
7. INSTALL CONCRETE WHEEL STOP

SURVEY NOTE:

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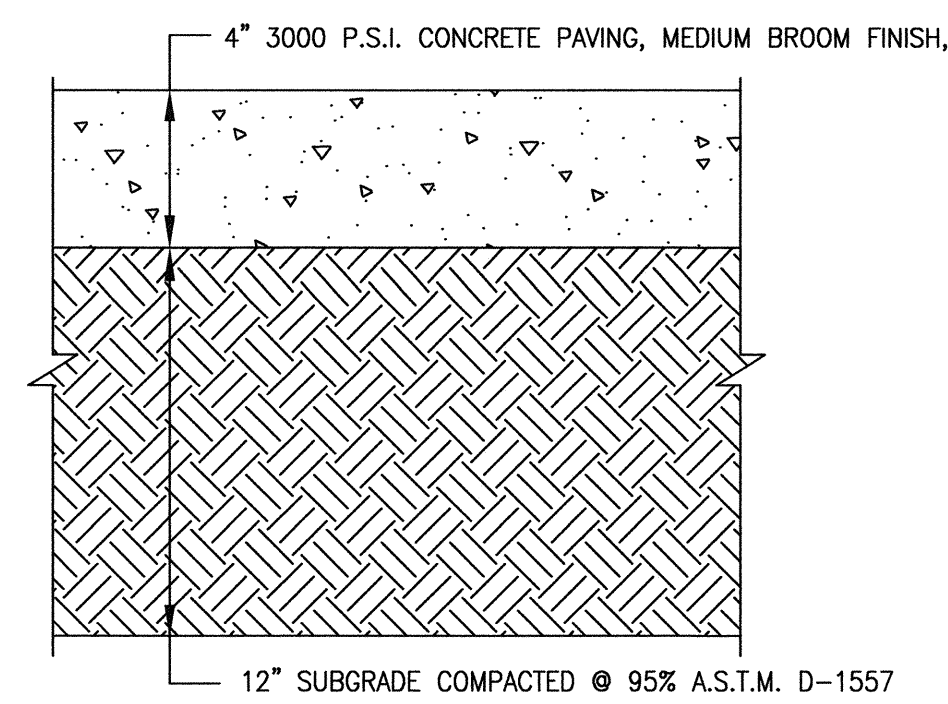
HIGH MESA Consulting Group

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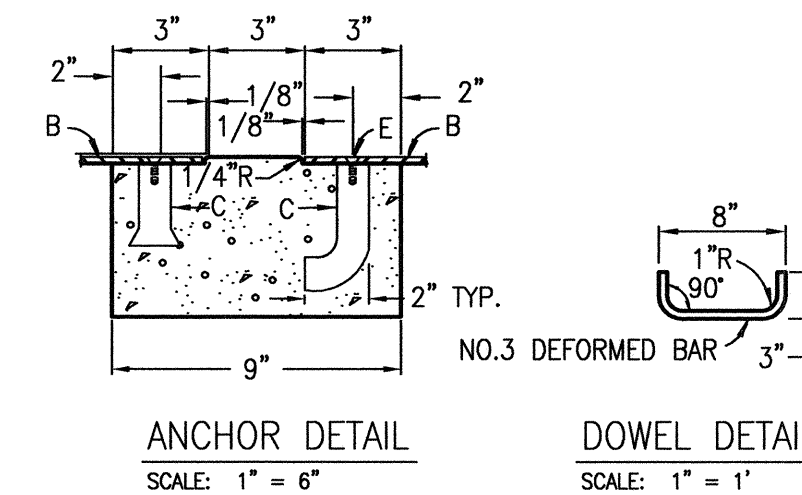
**SITE PLAN
PORTABLE CLASSROOM RELOCATIONS
CAREER ENRICHMENT CENTER
807 MOUNTAIN ROAD N.E.**

DESIGNED BY	DRAWN BY	APPROVED BY	NO.	DATE	BY	REVISIONS		JOB NO.
J.G.M.	J.Y.R.	J.G.M.						2013.184.2
								DATE 06-2014
								SHEET 5 OF 14





(D3) SIDEWALK
SCALE: 1" = 0'-6"

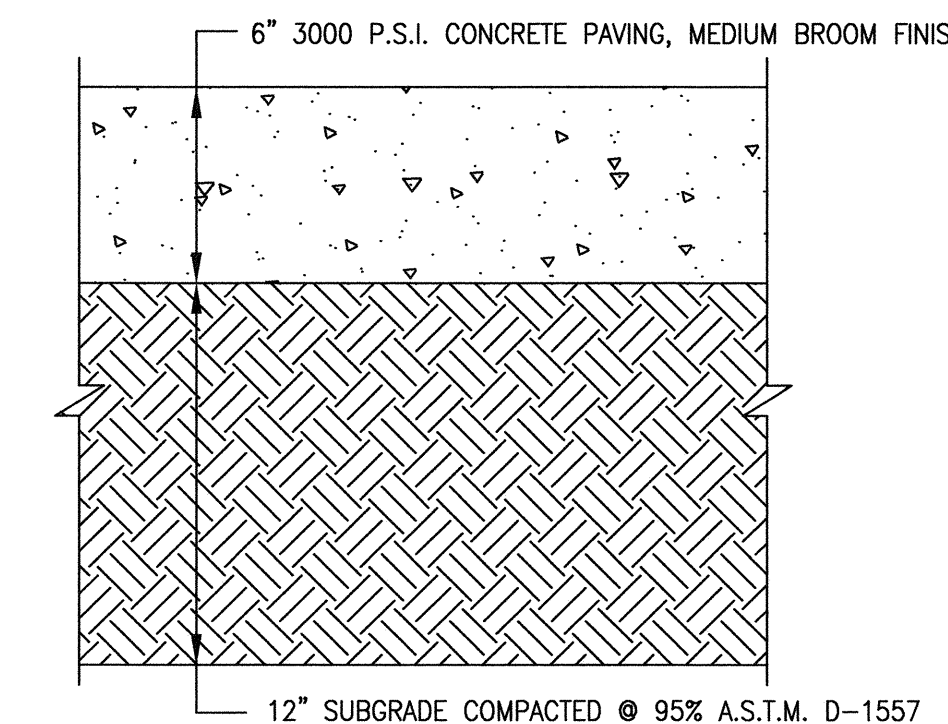


D4 — TY
NTS

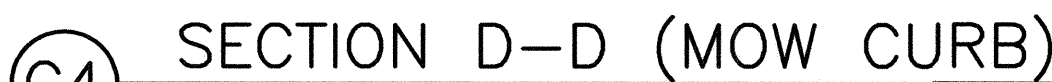


(D6) AREAS)
SCALE: 1" = 0'-5"

SCALE: 1" = 0'-6"



C3 PAVEMENT
SCALE: 1" = 0'-6"



SCALE: 1" = 0'-6"



(C6) AREAS)
SCALE: 1" = 0'-5'

SCALE: 1" = 0'-6"

Diagram illustrating the cross-section of a concrete curb and gutter. The curb is 6" wide at the top and base, and 6" high. The subgrade is 2' - 0" wide and 12" thick, compacted at 95% A.S.T.M. D-155. The concrete is 3000 P.S.I. and compacted at 95% A.S.T.M. D-155. The curb is 6" wide at the top and base, and 6" high. The subgrade is 2' - 0" wide and 12" thick, compacted at 95% A.S.T.M. D-155. The concrete is 3000 P.S.I. and compacted at 95% A.S.T.M. D-155.

SCALE: 1" = 1'-0"



SCALE: 1"=5'



SCALE: 1" = 1'-0"



SCALE: 1" = 20' 6"



SCALE: 1" = 0'-6"

BENCHMARKS

PROJECT BENCHMARK

CITY OF ALBUQUERQUE SURVEY CONTROL 3 1/4" ALUMINUM DISK STAMPED "9-J15 1990", RIVETED TO AN ALUMINUM TUBE PROJECTING 0.25' ABOVE GRADE ON THE NORTH SIDE OF LOMAS BLVD. N.E. APPROXIMATELY 244' WEST OF THE INTERSECTION WITH LEGION ROAD N.E.
ELEVATION = 5093.057 FEET (NAVD 88)

TEMPORARY BENCHMARK #2 (T.B.M.)

A #5 REBAR WITH CONTROL CAP STAMPED "HMC CONTROL NMPS 11184", IN THE NORTHWESTERN PORTION OF THE SITE, AS SHOWN ON THIS SHEET.
ELEVATION = 5026.87 FEET (NAVD 88)

GRADING LEGEND

INV	INVERT
TA	TOP OF ASPHALT PAVEMENT
TC	TOP OF CURB
TG	TOP OF GRATE
+ 20.05	EXISTING SPOT ELEVATION
14.00	PROPOSED SPOT ELEVATION
4920	EXISTING FLOWLINE
20	PROPOSED FLOWLINE
20	EXISTING CONTOUR
20	PROPOSED CONTOUR
20	EXISTING DIRECTION OF FLOW
20	PROPOSED DIRECTION OF FLOW
20	RIGHT OF WAY LINE
20	PUBLIC EASEMENT LINE
20	HIGH POINT / DVIDE
20	EXISTING FENCE
20	PROPOSED SILT FENCE
20	SILT FENCE
20	PROPOSED CONCRETE
20	PROPOSED ASPHALT PAVING

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.
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SURVEY NOTE:

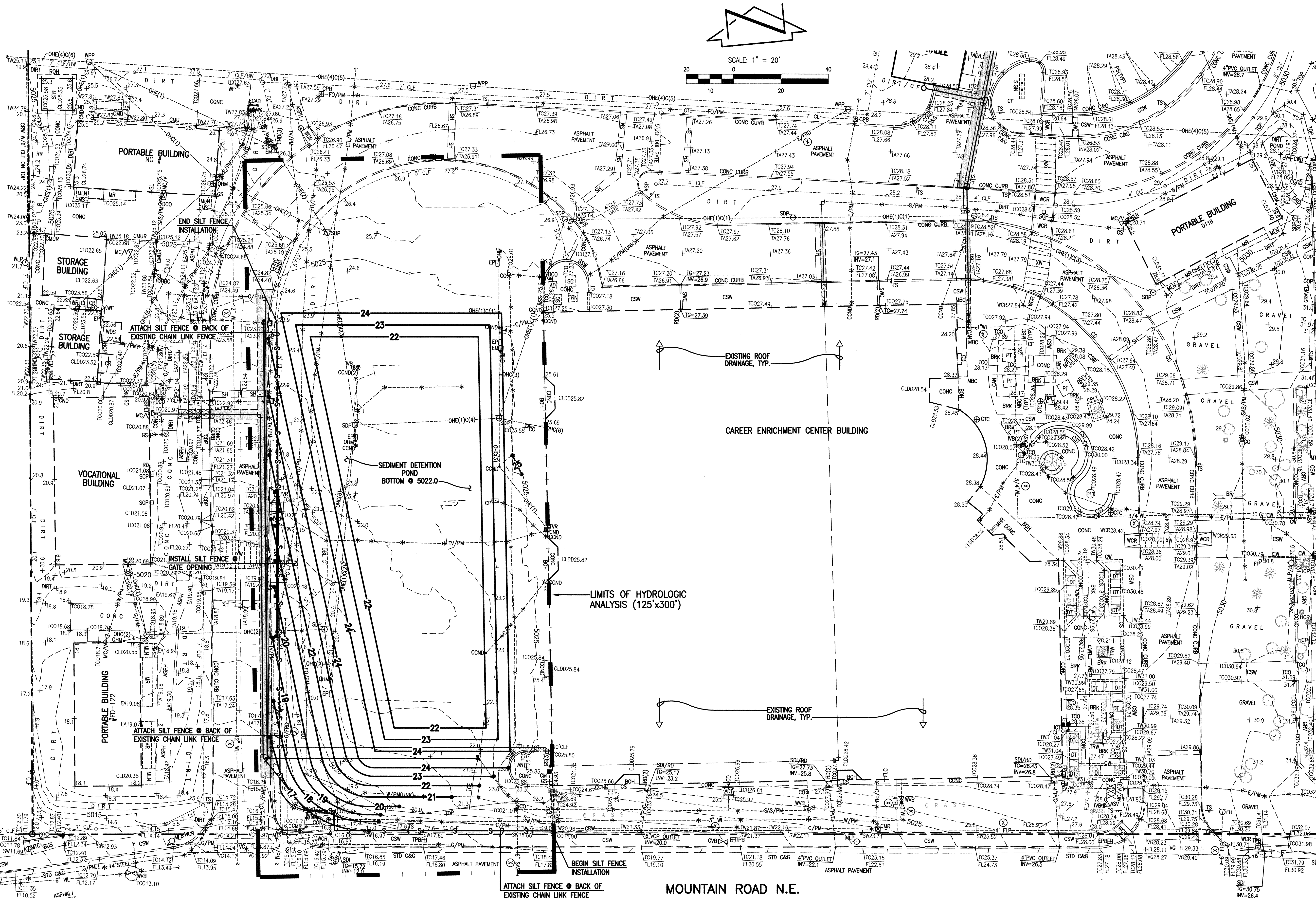
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HIGH MESA Consulting Group

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GRADING PLAN - SOUTH PORTABLE CLASSROOM RELOCATIONS CAREER ENRICHMENT CENTER 807 MOUNTAIN ROAD N.E.

DESIGNED BY	J.G.M.	DATE	BY	REVISIONS	JOB NO.
DRAWN BY	J.Y.R.	DATE	BY	REVISIONS	06-2014
APPROVED BY	J.G.M.	DATE	BY	REVISIONS	SHEET 7 OF 14

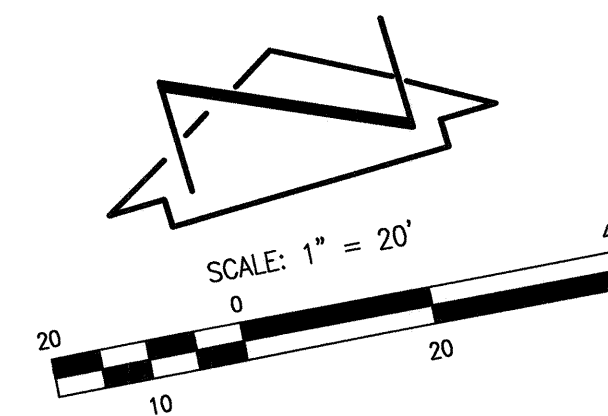


06-27-2014
NEW MEXICO
PROFESSIONAL ENGINEER
6547

PROJECT BENCHMARK
 CITY OF ALBUQUERQUE SURVEY CONTROL 3 1/4" ALUMINUM DISK STAMPED "9-115
 1990" RITE-ON AN ALUMINUM TUBE PROJECTING 0.25" ABOVE GRADE ON THE
 NORTH SIDE OF LOMAS BLVD. N.E. APPROXIMATELY 244' WEST OF THE INTERSECTION
 WITH LEGION ROAD N.E.
 ELEVATION = 5093.057 FEET (NAVD 88)

TEMPORARY BENCHMARK #2 (T.B.M.)
 A #5 REBAR WITH CONTROL CAP STAMPED "HMC CONTROL NMPS 11184", IN THE
 NORTHWESTERN PORTION OF THE SITE, AS SHOWN ON THIS SHEET.
 ELEVATION = 5026.87 FEET (NAVD 88)

INV	INVERT
TA	TOP OF ASPHALT PAVEMENT
TC	TOP OF CURB
TG	TOP OF GRATE
+ 20.05	EXISTING SPOT ELEVATION
⊙ 14.00	PROPOSED SPOT ELEVATION
⬤ ...	EXISTING FLOWLINE
⬤ ...	PROPOSED FLOWLINE
-4920 --	EXISTING CONTOUR
== 20 ==	PROPOSED CONTOUR
⬤	EXISTING DIRECTION OF FLOW
⬤	PROPOSED DIRECTION OF FLOW
---	RIGHT OF WAY LINE
---	PUBLIC EASEMENT LINE
↑ ↓	HIGH POINT / DVIDE
—○—○—	EXISTING FENCE
—S—S—	PROPOSED SILT FENCE
—W—W—	PROPOSED WADDLES
	PROPOSED CONCRETE
	PROPOSED ASPHALT PAVING



1. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO CITY CALL SYSTEM 260-11900 FOR DESIGNATION (LINE-SPOTTING) OF EXISTING PUBLIC UTILITIES AND EXISTING UTILITIES OWNED AND OPERATED BY ALBUQUERQUE PUBLIC SCHOOLS.
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UTILITY SURVEY PREPARED BY HIGH MESA CONSULTING GROUP, NMPS NO.
1184, DATED 05-26-2003/3/2003/3/866).

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DESIGNED BY	J.G.M.	NO.	DATE	BY	REVISIONS	JOB NO.	2013.184.2
DRAWN BY	J.Y.R.					DATE	06-2014
APPROVED BY	J.G.M.					SHEET	8 OF 14

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DRAINAGE PLAN

I. INTRODUCTION AND EXECUTIVE SUMMARY

THIS PROJECT, LOCATED IN THE LOWER NORTHEAST HEIGHTS OF THE ALBUQUERQUE METROPOLITAN AREA, REPRESENTS A MODIFICATION TO AN EXISTING APS SCHOOL SITE WITHIN AN INFILL AREA. THE PROPOSED CONSTRUCTION CONSISTS OF THE RELOCATION OF EXISTING PORTABLE CLASSROOM BUILDINGS IN ADVANCE OF A PERMANENT CLASSROOM BUILDING ADDITION. THE PROPOSED IMPROVEMENTS WILL BE LOCATED AT THE SOUTH PORTION OF WHAT IS KNOWN AS THE ALBUQUERQUE HIGH SCHOOL SITE. THE DRAINAGE CONCEPT WILL BE THE CONTINUED DISCHARGE OF DEVELOPED RUNOFF FROM THIS PORTION OF THE SITE TO MOUNTAIN ROAD NE. THIS CONCEPT WAS ESTABLISHED BY THE PREVIOUSLY APPROVED MASTER DRAINAGE PLAN FOR THE SITE DATED 07-27-2008 (J15/D001). THE PROPOSED PROJECT SITE LIES WITHIN SUB-BASIN B-1 AS DEFINED BY THAT PLAN. THIS SUBMITTAL IS MADE IN SUPPORT OF BUILDING PERMIT TO BE ISSUED BY THE CITY OF ALBUQUERQUE.

II. PROJECT DESCRIPTION

AS SHOWN BY THE VICINITY MAP, THE PROPOSED PROJECT SITE IS LOCATED AT THE NORTHWEST CORNER OF THE INTERSECTION OF MOUNTAIN ROAD NE AND THE I-25 WEST FRONTAGE ROAD. AS SHOWN BY PANELS 138 AND 332 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. PRIOR SUBMITTAL IDENTIFIED LIMITED DOWNSTREAM CAPACITY.

III. BACKGROUND DOCUMENTS

THE PREPARATION OF THIS PLAN RELIED UPON THE FOLLOWING DOCUMENTS:

- UPDATED MASTER DRAINAGE PLAN (MDP) FOR ALBUQUERQUE HIGH SCHOOL PREPARED BY HIGH MESA CONSULTING GROUP DATED 07-28-2008. THIS PLAN OF RECORD IDENTIFIES THAT THE SUBJECT PROJECT SITE LIES WITHIN SUB-BASIN B-1. THE DRAINAGE CONCEPT FOR SUB-BASIN B-1 IS TO MAINTAIN OR DECREASE THE AMOUNT OF RUNOFF DISCHARGED FROM THE SUB-BASIN TO MOUNTAIN ROAD NE.
- TOPOGRAPHIC AND UTILITY SURVEY PREPARED BY HIGH MESA CONSULTING GROUP, NMPS 11184, DATED 05-13-2014. THE SUBJECT SURVEY PROVIDES THE BASIS FOR THE EXISTING CONDITIONS OF THE SITE.

IV. EXISTING CONDITIONS

THE PROJECT SITE PRESENTLY CONSISTS OF A PORTION OF THE ALBUQUERQUE HIGH SCHOOL (AHS) SITE OCCUPIED BY THE CAREER ENRICHMENT CENTER (CEC). THE PROJECT SITE CONSISTS OF TWO PORTIONS OF THE AHS AND CEC SITES. THE FIRST IS THE EXISTING PORTABLE CLASSROOM SITE LOCATED IMMEDIATELY WEST OF THE CEC MAIN BUILDING. THE SECOND IS A SMALL PARKING LOT IMMEDIATELY NORTH OF THE CEC SITE WITHIN THE AHS CAMPUS.

THE EXISTING CEC PORTABLE SITE CONSISTS OF FOUR (4) PORTABLE CLASSROOM BUILDINGS AND LIMITED PAVING. THE BARE SOIL PRESENT IS A SANDY GRAVEL WITH HIGH PERMEABILITY. AT PRESENT, THIS PORTION OF THE SITE DRAINS FROM NORTH TO SOUTH, DISCHARGING TO MOUNTAIN ROAD NE. FROM THIS POINT, RUNOFF FLOWS WEST WITHIN MOUNTAIN ROAD NE. A FULLY DEVELOPED CITY STREET WITH ASPHALT PAVING AND CURB AND GUTTER, TO THE INTERSECTION WITH BROADWAY BLVD NE WHERE IT ENTERS THE BROADWAY PUMP STATION. FROM THIS POINT, THE RUNOFF IS PUMPED EAST TO DISCHARGE TO THE NORTH DIVERSION CHANNEL.

THE SMALL PARKING LOT ON THE AHS SITE SLOPES FROM NORTH TO SOUTH DISCHARGING TO A PRIVATE ACCESS DRIVE THAT ALSO DRAINS SOUTH TO MOUNTAIN ROAD NE. FROM THIS POINT, RUNOFF FLOWS WEST IN MOUNTAIN ROAD NE TO BROADWAY BLVD NE AS DESCRIBED ABOVE. THERE IS NO ATTENUATION OF FLOWS VIA PONDING IN EITHER PORTION OF THE OVERALL SITE AS DESCRIBED ABOVE.

THERE ARE NO OFFSITE FLOWS IMPACTING THE PROJECT SITE AS IT LIES INTERNAL TO THE OVERALL SCHOOL SITE AND IT IS TOPOGRAPHICALLY HIGHER THAN THE ADJACENT PROPERTY TO THE WEST.

V. DEVELOPED CONDITIONS

THE PROPOSED CONSTRUCTION CONSISTS OF REMOVING THE FOUR (4) EXISTING PORTABLE CLASSROOM BUILDINGS FROM THE CEC SITE AND TEMPORARILY RELOCATING THEM WITHIN THE SMALL PARKING LOT ON THE AHS SITE. THE EXISTING PAVING WITHIN THE CEC SITE WILL BE REMOVED ALONG WITH UTILITIES NO LONGER REQUIRED. THE VACATED SITE WILL EVENTUALLY SUPPORT A NEW PERMANENT CLASSROOM BUILDING UNDER SEPARATE SUBMITTAL AND SEPARATE PERMIT. IN THE INTERIM, THE SITE WILL BE GRADED TO RETAIN ALL RUNOFF THAT FALLS UPON IT TO MITIGATE THE POTENTIAL EFFECTS OF SEDIMENT LEAVING THE SITE AND ENTERING MOUNTAIN ROAD NE. IN ADDITION, THE PERIMETER OF THE SITE WILL BE PROTECTED WITH SILT FENCE.

THE RELOCATED PORTABLE CLASSROOM BUILDINGS WILL BE TEMPORARILY SITED WITHIN THE EXISTING SMALL PARKING LOT ON THE AHS SITE. THIS WORK WILL INVOLVE THE REMOVAL OF EXISTING ASPHALT PAVEMENT BENEATH THE FOOTPRINT OF EACH RELOCATED BUILDING. NO NEW PAVING IS PROPOSED OTHER THAN PATCHING UTILITY TRENCH CUTS. RUNOFF WILL CONTINUE TO FLOW FROM NORTH TO SOUTH AND DISCHARGE TO MOUNTAIN ROAD NE. TO MITIGATE POTENTIAL EROSION DURING CONSTRUCTION, WADDLES WILL BE USED TO TRAP AND PREVENT SEDIMENT FROM ENTERING THE PRIVATE ACCESS DRIVE.

AS IN THE EXISTING CONDITION, THERE ARE NO OFFSITE FLOWS IMPACTING THE PROJECT SITE.

VI. GRADING PLAN

THE GRADING PLANS SHOW 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, 3.) INTERIM (BMPS AND 4.) CONTINUITY BETWEEN EXISTING AND PROPOSED GRADES. AS SHOWN BY THIS PLAN, THE PROPOSED GRADING WILL MAINTAIN THE CURRENT DRAINAGE PATTERN OF DISCHARGE FROM NORTH TO SOUTH TO MOUNTAIN ROAD NE.

VII. EROSION CONTROL PLAN

THIS PROJECT DISTURBS LESS THAN ONE-ACRE OF LAND. A SEPARATE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) HAS NOT BEEN PREPARED. THE SMALL SIZE OF THIS PROJECT DOES NOT WARRANT THE PREPARATION OF A SITE SPECIFIC EROSION CONTROL PLAN. HOWEVER, THIS PLAN PROPOSES BEST MANAGEMENT PRACTICES (BMPS) TO MITIGATE THE EFFECTS OF CONSTRUCTION RELATED SEDIMENT DISCHARGE. IN ADDITION, INTERIM MEASURES ARE PROPOSED FOR THE CEC SITE FOR THE PERIOD OF TIME THE SITE SITS IDLE.

VIII. CALCULATIONS

THE CALCULATIONS CONTAINED HEREON ANALYZE THE EXISTING AND DEVELOPED CONDITIONS FOR THE 100-YEAR, 6-HOUR RAINFALL EVENT FOR EACH OF THE PROJECT SITES. 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 PROJECT WILL RESULT IN A NET DECREASE IN THE DEVELOPED RUNOFF GENERATED BY SUB-BASIN B-1 LOCATED WITHIN THE AHS MDP SITE.

IX. CONCLUSIONS

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

- THE PROPOSED IMPROVEMENTS LIE WITHIN SUB-BASIN B-1 AS DEFINED BY THE ALBUQUERQUE HIGH SCHOOL MASTER DRAINAGE PLAN
- THE PROPOSED IMPROVEMENTS WILL MAINTAIN THE EXISTING DRAINAGE PATTERNS OF SUB-BASIN B-1
- THE PROPOSED IMPROVEMENTS WILL RESULT IN A NET DECREASE IN THE DEVELOPED RUNOFF VOLUME GENERATED BY SUB-BASIN B-1
- INTERIM EROSION AND SEDIMENT CONTROL MEASURES ARE PROPOSED FOR VACATED PORTABLE CLASSROOM SITE.
- EROSION AND SEDIMENT CONTROL MEASURES ARE PROPOSED DURING CONSTRUCTION FOR THE SITE OF THE RELOCATED PORTABLE CLASSROOM BUILDINGS.
- A SEPARATE SUBMITTAL IS REQUIRED TO SUPPORT BUILDING PERMIT APPROVAL FOR THE NEW PERMANENT CLASSROOM BUILDING.
- A SEPARATE BUILDING PERMIT IS REQUIRED FOR THE NEW PERMANENT CLASSROOM BUILDING.
- THE DEVELOPED RUNOFF GENERATED BY THE PROJECT SITE WILL BE MANAGED BY THE EXISTING PRIVATE ONSITE DETENTION POND
- THE PROPOSED IMPROVEMENTS WILL NOT ADVERSELY IMPACT DOWNSTREAM PROPERTIES OR DOWNSTREAM DRAINAGE CONDITIONS
- THIS PROJECT IS NOT SUBJECT TO AN EPA NPDES PERMIT

CALCULATIONS

I. SITE CHARACTERISTICS

A. PRECIPITATION ZONE = 2

$$B. P_{6,100} = P_{360} = 2.35 \text{ IN}$$

$$C. \text{TOTAL PROJECT AREA (A}_T\text{)} = 57,500 \text{ SF} \\ 1.32 \text{ AC}$$

D. LAND TREATMENTS

1. EXISTING LAND TREATMENTS

a. BASIN SOUTH TREATMENT	37,500 SF =	0.86 AC	%
A			
B			
C	20,170 / 0.46		54
D	17,330 / 0.40		46

b. BASIN NORTH TREATMENT	20,000 SF =	0.46 AC	%
A			
B			
C	2,100 / 0.05		11
D	17,900 / 0.41		90

2. DEVELOPED LAND TREATMENTS

a. BASIN SOUTH TREATMENT	37,500 SF =	0.86 AC	%
A			
B			
C	31,630 / 0.73		84
D	5,870 / 0.13		16

b. BASIN NORTH TREATMENT	20,000 SF =	0.46 AC	%
A			
B			
C	1,760 / 0.04		9
D	18,240 / 0.42		91

II. HYDROLOGY

A. EXISTING CONDITION

1. BASIN SOUTH

$$a. \text{VOLUME} \\ E_w = (E_A A_A + E_B A_B + E_C A_C + E_D A_D) / A_T \\ E_w = ((0.00^*0.53) + (0.00^*0.78) + (0.46^*1.13) + (0.40^*2.12)) / 0.86 = 1.59 \text{ IN} \\ V_{100} = (E_w / 12) A_T = (1.59 / 12) 0.86 = 0.1140 \text{ AC-FT} = 4,960 \text{ CF}$$

$$b. \text{PEAK DISCHARGE} \\ Q_p = Q_{pA} A_A + Q_{pB} A_B + Q_{pC} A_C + Q_{pD} A_D \\ Q_p = Q_{100} = ((0.00^*1.56) + (0.00^*2.28) + (0.46^*3.14) + (0.40^*4.7)) = 3.3 \text{ CFS}$$

2. BASIN NORTH

$$a. \text{VOLUME} \\ E_w = (E_A A_A + E_B A_B + E_C A_C + E_D A_D) / A_T \\ E_w = ((0.00^*0.53) + (0.00^*0.78) + (0.05^*1.13) + (0.41^*2.12)) / 0.46 = 2.01 \text{ IN} \\ V_{100} = (E_w / 12) A_T = (2.01 / 12) 0.46 = 0.0771 \text{ AC-FT} = 3,360 \text{ CF}$$

$$b. \text{PEAK DISCHARGE} \\ Q_p = Q_{pA} A_A + Q_{pB} A_B + Q_{pC} A_C + Q_{pD} A_D \\ Q_p = Q_{100} = ((0.00^*1.56) + (0.00^*2.28) + (0.05^*3.14) + (0.41^*4.7)) = 2.1 \text{ CFS}$$

B. DEVELOPED CONDITION

1. BASIN SOUTH

a. VOLUME

i. 2 YEAR STORM EVENT

$$E_w = (E_A A_A + E_B A_B + E_C A_C + E_D A_D) / A_T \\ E_w = ((0.00^*0) + (0.00^*0.02) + (0.00^*0.15) + (0.04^*0.79)) / 0.42 = 0.25 \text{ IN} \\ V_2 = (E_w / 12) A_T = (0.25 / 12) 0.42 = 0.0088 \text{ AC-FT} = 380 \text{ CF}$$

ii. 100 YEAR STORM EVENT

$$E_w = (E_A A_A + E_B A_B + E_C A_C + E_D A_D) / A_T \\ E_w = ((0.00^*0.53) + (0.00^*0.78) + (0.73^*1.13) + (0.13^*2.12)) / 0.86 = 1.29 \text{ IN} \\ V_{100} = (E_w / 12) A_T = (1.29 / 12) 0.86 = 0.0925 \text{ AC-FT} = 4,030 \text{ CF}$$

$$b. \text{PEAK DISCHARGE} \\ Q_p = Q_{pA} A_A + Q_{pB} A_B + Q_{pC} A_C + Q_{pD} A_D \\ Q_p = Q_{100} = ((0.00^*1.56) + (0.00^*2.28) + (0.73^*3.14) + (0.13^*4.7)) = 2.9 \text{ CFS}$$

c. SEDIMENT DETENTION POND CAPACITY (END-AREA METHOD)

ELEV	AREA (SF)	VOLUME (CF)	Σ VOLUME (CF)
5022	8860		
		10080	10080
5023	11300		
		12550	22630
5024	13800		

$$V_{\text{POND}} = 22,630 \text{ CF} >> V_{2 \text{ DEV}} = 380 \text{ CF} \therefore \text{OK}$$

$$V_{\text{POND}} = 22,630 \text{ CF} >> V_{100 \text{ DEV}} = 4,030 \text{ CF} \therefore V_{\text{POND}} = 5X V_{100 \text{ DEV}}$$

$$\text{WSL @ } V_{100 \text{ DEV}} = 5022.5 \text{ (5022.5 - 5022.0 = 0.5' = 6" DEEP)}$$

2. BASIN NORTH

a. VOLUME

$$E_w = (E_A A_A + E_B A_B + E_C A_C + E_D A_D) / A_T \\ E_w = ((0.00^*0.53) + (0.00^*0.78) + (0.04^*1.13) + (0.42^*2.12)) / 0.46 = 2.03 \text{ IN} \\ V_{100} = (E_w / 12) A_T = (2.03 / 12) 0.46 = 0.0778 \text{ AC-FT} = 3,390 \text{ CF}$$

b. PEAK DISCHARGE

$$Q_p = Q_{pA} A_A + Q_{pB} A_B + Q_{pC} A_C + Q_{pD} A_D \\ Q_p = Q_{100} = ((0.00^*1.56) + (0.00^*2.28) + (0.04^*3.14) + (0.42^*4.7)) = 2.1 \text{ CFS}$$

C. COMPARISON

1. BASIN SOUTH

$$a. \text{VOLUME (V}_{100 \text{ DEV}} - V_{100 \text{ EXIST}}) \\ \Delta V_{100} = 4,030 - 4,960 = -930 \text{ CF (DECREASE)}$$

$$b. \text{PEAK DISCHARGE (Q}_{100 \text{ DEV}} - Q_{100 \text{ EXIST}}) \\ \Delta Q_{100} = 2.9 - 3.3 = -0.4 \text{ CFS (DECREASE)}$$

2. BASIN NORTH

$$a. \text{VOLUME (V}_{100 \text{ DEV}} - V_{100 \text{ EXIST}}) \\ \Delta V_{100} = 3,390 - 3,360 = 30 \text{ CF (NEGLIGIBLE INCREASE)}$$

$$b. \text{PEAK DISCHARGE (Q}_{100 \text{ DEV}} - Q_{100 \text{ EXIST}}) \\ \Delta Q_{100} = 2.1 - 2.1 = 0.0 \text{ CFS (NO CHANGE)}$$

III. AREAS OF DISTURBANCE

A. SOUTH

$$1. A_S = 31,500 \text{ SF} = 0.72 \text{ AC (BY SCALE)}$$

B. NORTH

$$1. A_N = 6,048 \text{ SF} = 0.14 \text{ AC (896 SF + 1680 SF + 1792 SF)}$$

C. TOTAL PROJECT

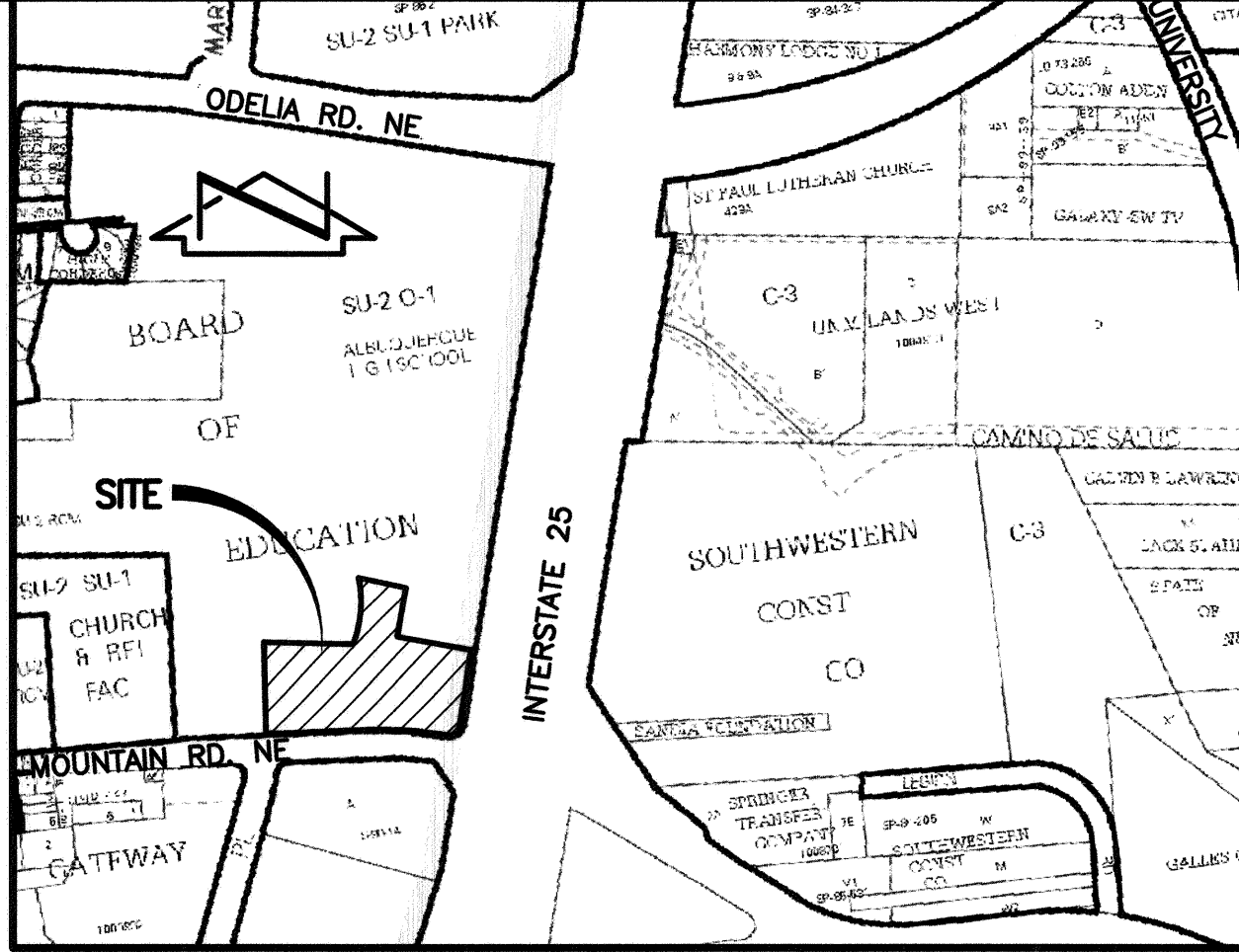
$$1. A_S + A_N = 0.86 \text{ AC} < 1 \text{ AC}$$

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.

EROSION CONTROL MEASURES:

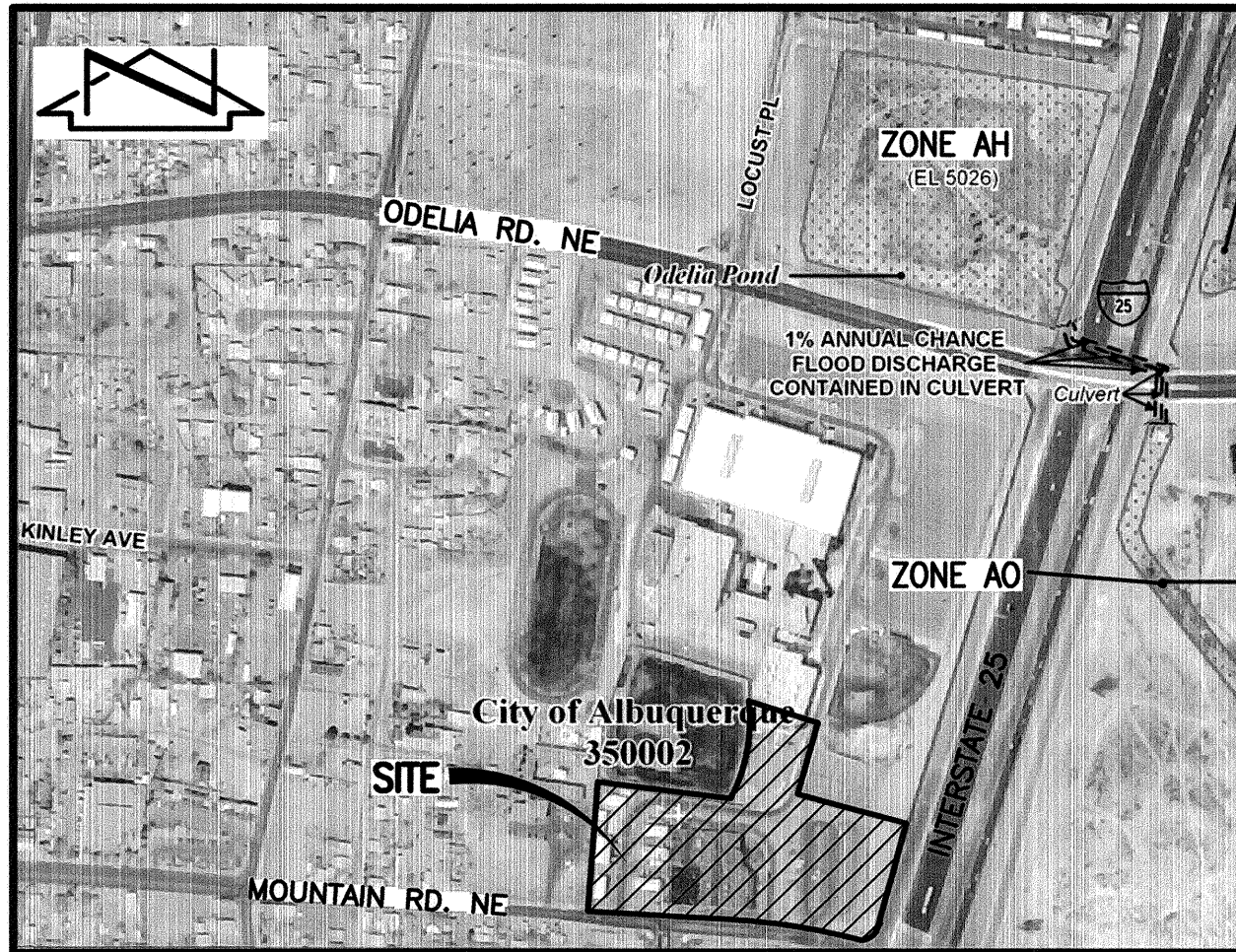
- THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY.
- THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
- WHEN APPLICABLE,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



VICINITY MAP

SCALE: 1" = 750'

J-15



F.I.R.M.

SCALE: 1" = 500'

332 of 825

DATE: 9-26-2008

LEGAL DESCRIPTION

UNPLATTED TRACTS; SITE LOCATED WITHIN PROJECTED SECTION 16, TOWNSHIP 10 NORTH, RANGE 3 EAST, N.M.P.M. (TOWN OF ALBUQUERQUE GRANT).

BENCHMARKS

PROJECT BENCHMARK

CITY OF ALBUQUERQUE SURVEY CONTROL 3 1/4" ALUMINUM DISK STAMPED "9-115 1990", RIVETED TO AN ALUMINUM TUBE PROJECTING 0.25' ABOVE GRADE ON THE NORTH SIDE OF LOMAS BLVD. N.E. APPROXIMATELY 244' WEST OF THE INTERSECTION WITH LEGION ROAD N.E. ELEVATION = 5093.057 FEET (NAVD 88)

TEMPORARY BENCHMARK #1 (T.B.M.)

A #5 REBAR WITH CONTROL CAP STAMPED "HMCQ CONTROL NMPS 11184", IN THE SOUTHEASTERN PORTION OF THE SITE, AS SHOWN ON SHEET 2. ELEVATION = 5043.15 FEET (NAVD 88)

TEMPORARY BENCHMARK #2 (T.B.M.)

A #5 REBAR WITH CONTROL CAP STAMPED "HMCQ CONTROL NMPS 11184", IN THE NORTHWESTERN PORTION OF THE SITE, AS SHOWN ON SHEET 2. ELEVATION = 5026.87 FEET (NAVD 88)



06-27-2014

DESIGNED BY	NO.	DATE	BY	REVISIONS	JOB NO.
J.G.M.					2013.184.2
DRAWN BY					DATE
J.Y.R.					06-2014
APPROVED BY					SHEET
J.G.M.					9 OF 14

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

**DRAINAGE PLAN AND CALCULATIONS
PORTABLE CLASSROOM RELOCATIONS
CAREER ENRICHMENT CENTER
807 MOUNTAIN ROAD N.E.**

PROJECT DESCRIPTION, CONSTRUCTION REQUIREMENTS AND KEYED NOTES

I. PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF THE TEMPORARY RELOCATION OF EXISTING PORTABLE BUILDINGS TO PREPARE A CONSTRUCTION SITE FOR A NEW PERMANENT CLASSROOM BUILDING. EACH OF THE PORTABLE BUILDINGS IS EXISTING; NO CHANGE OF USE IS INTENDED AND NO ADDITIONAL PLUMBING IS PROPOSED. THE BUILDINGS ARE NOT BEING RELOCATED FROM ANOTHER SCHOOL SITE WITHIN THE DISTRICT.

UPON RELOCATION OF THE EXISTING BUILDINGS, EXISTING UTILITIES WILL BE RE-ROUTED AROUND THE EXISTING SITE AND REMOVED FROM WITHIN THE EXISTING SITE (SHEET 10). NEW UTILITIES WILL BE EXTENDED TO SERVE THE RELOCATED BUILDINGS (SHEET 11). DEMOLITION REQUIREMENTS ARE SPECIFIED BY THE DEMOLITION PLANS (SHEETS 3 AND 4). UPON COMPLETION OF THE PERMANENT CLASSROOM BUILDING

NO FOOD SERVICE IS PROPOSED.

RESTROOM HOOK-UP IS REQUIRED.

II. CONSTRUCTION REQUIREMENTS

- NO UTILITY CONSTRUCTION CAN COMMENCE WITHOUT WRITTEN NOTIFICATION OF THE ENGINEER
- A PRE-INSTALLATION MEETING IS REQUIRED PRIOR TO THE COMMENCEMENT OF UTILITY INSTALLATIONS
- PRIOR TO CONSTRUCTION, THE UTILITY CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL PROPOSED POINTS OF CONNECTION
- PRIOR TO CONSTRUCTION, THE UTILITY CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS OR CONFLICTS. 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 OR DECISIONS IT MAKES WITHOUT FIRST CONTACTING THE ENGINEER AS REQUIRED ABOVE
- DEVIATIONS FROM THIS PLAN SHALL BE PROHIBITED WITHOUT THE CONSENT OF THE ENGINEER.

III. UTILITY CONNECTIONS DETAILS

- REFER TO SHEET 12 FOR UTILITY CONNECTION DETAILS
- REFER TO ELECTRICAL SHEETS FOR ELECTRIC SERVICE DESIGN AND CONNECTIONS

IV. UTILITY SITE PLAN KEYED NOTES - SOUTH

- CONNECT TO EXISTING GAS SERVICE LINE ON CUSTOMER SIDE OF METER.
- INSTALL 1" HPG LINE
- CONNECT TO EXISTING 1" HPG LINE TO SERVE EXISTING BUILDINGS ON WEST SIDE OF DRIVE
- CONNECT TO EXISTING GAS SERVICE LINE ON CUSTOMER SIDE OF METER AND INSTALL RISER TO ABOVE GRADE FOR SURFACE MOUNTED CONTINUATION OF LINE
- INSTALL 1-1/4" HPG LINE ATTACHED TO EXTERIOR FACE OF BUILDING
- INSTALL ROOF-MOUNTED 1-1/4" HPG LINE FOR SERVICE TO THE RELOCATED PORTABLE BUILDINGS
- INSTALL 1-1/4" HPG LINE
- CONNECT NEW 1-1/4" HPG LINE TO EXISTING 1" HPG LINE
- (NOT USED)
- (NOT USED)
- INSTALL 4" WYE CONNECTION TO EXISTING SAS SERVICE LINE; INSTALL SINGLE CLEANOUT. INV @
- INSTALL 4" SAS SERVICE LINE @ S = 0.00
- INSTALL 4" WYE AND SINGLE CLEANOUT; INV @
- INSTALL 4" SAS SERVICE LINE @ S = 0.00
- INSTALL IN-LINE SINGLE CLEANOUT; INV @
- INSTALL 4" SAS SERVICE LINE AT S = 0.00
- INSTALL 4" WYE CONNECTION TO EXISTING SAS SERVICE LINE; INV @
- INSTALL 4" SAS SERVICE LINE AT S = 0.00
- INSTALL 4" WYE CONNECTION TO EXISTING SAS SERVICE LINE; INSTALL SINGLE CLEANOUT. INV @
- (NOT USED)
- CONNECT TO EXISTING 1" WATER LINE
- INSTALL 1-1/2" WATER SERVICE LINE
- CONTRACTOR SHALL EXCAVATE AND VERIFY THAT EXISTING 1" WATER LINE CROSSES DRIVE BEFORE EXCAVATING PAVEMENT CROSSING
- CONNECT TO EXISTING 1" WATER LINE (SEE NOTE 23 ABOVE)
- CONNECT NEW 1" WATER LINE TO EXISTING 1" WATER LINE; INSTALL 1" ISOLATION VALVE AND VALVE BOX
- (NOT USED)
- (NOT USED)
- (NOT USED)
- (NOT USED)
- PATCH EXISTING ASPHALT PAVEMENT PER TYPICAL SECTION
- REPLACE EXISTING CONCRETE CURB
- REPLACE EXISTING CONCRETE SIDEWALK

SURVEY NOTE:

THIS IS NOT A BOUNDARY SURVEY; DATA IS SHOWN FOR ORIENTATION ONLY. THE BOUNDARY INFORMATION DEPICTED BY THIS PLAN IS BASED UPON A PREVIOUS PRELIMINARY, UNCERTIFIED SURVEY, PREPARED BY HIGH MESA CONSULTING GROUP, NMPS 11184, DATED 2009. THE TOPOGRAPHIC INFORMATION DEPICTED HEREON IS BASED UPON THE TOPOGRAPHIC AND UTILITY SURVEY PREPARED BY HIGH MESA CONSULTING GROUP, NMPS NO. 11184, DATED 95-263-2203-3 (2003.886-6).

HIGH MESA Consulting Group

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UTILITY LEGEND

- | | | | |
|------|---------------------------------|--------------------------|-------------------------------|
| SD | PROPOSED STORM DRAIN | EXISTING VALVE BOX | EXISTING SANITARY SEWER LINE |
| IPIT | PROPOSED INFILTRATION PIT | PROPOSED VALVE BOX | PROPOSED SANITARY SEWER LINE |
| SI | PROPOSED STORM INLET | EXISTING DOUBLE CLEANOUT | EXISTING FIRE LINE |
| SDM | PROPOSED STORM DRAIN MANHOLE | PROPOSED DOUBLE CLEANOUT | PROPOSED FIRE LINE |
| SDM | EXISTING STORM DRAIN MANHOLE | EXISTING SINGLE CLEANOUT | EXISTING POST INDICATOR VALVE |
| SDM | EXISTING FIRE HYDRANT | PROPOSED SINGLE CLEANOUT | PROPOSED POST INDICATOR VALVE |
| SDM | PROPOSED FIRE HYDRANT | EXISTING WATER SERVICE | PROPOSED CONCRETE |
| SDM | FIRE DEPARTMENT CONNECTION | PROPOSED WATER SERVICE | PROPOSED ASPHALT PAVING |
| SDM | EXISTING SANITARY SEWER MANHOLE | EXISTING WATER LINE | |
| SDM | SANITARY SEWER MANHOLE | PROPOSED WATER LINE | |

MOUNTAIN ROAD N.E.

BENCHMARKS

PROJECT BENCHMARK

CITY OF ALBUQUERQUE SURVEY CONTROL 3 1/4" ALUMINUM DISK STAMPED "9-J15 1990", RIVETED TO AN ALUMINUM TUBE PROJECTING 0.25' ABOVE GRADE ON THE NORTH SIDE OF LOMAS BLVD. N.E. APPROXIMATELY 244' WEST OF THE INTERSECTION WITH LEGION ROAD N.E. ELEVATION = 5093.057 FEET (NAVD 88)

TEMPORARY BENCHMARK #2 (T.B.M.)

A #5 REBAR WITH CONTROL CAP STAMPED "HMC CONTROL NMPS 11184", IN THE NORTHWESTERN PORTION OF THE SITE, AS SHOWN ON THIS SHEET. ELEVATION = 5026.87 FEET (NAVD 88)



DESIGNED BY J.G.M.

DRAWN BY J.Y.R.

APPROVED BY J.G.M.

NO.	DATE	BY	REVISIONS	JOB NO.
				2013.184.2
				DATE 06-2014
				SHEET 10 OF 14

UTILITY SITE PLAN - SOUTH
PORTABLE CLASSROOM RELOCATIONS
CAREER ENRICHMENT CENTER
807 MOUNTAIN ROAD N.E.

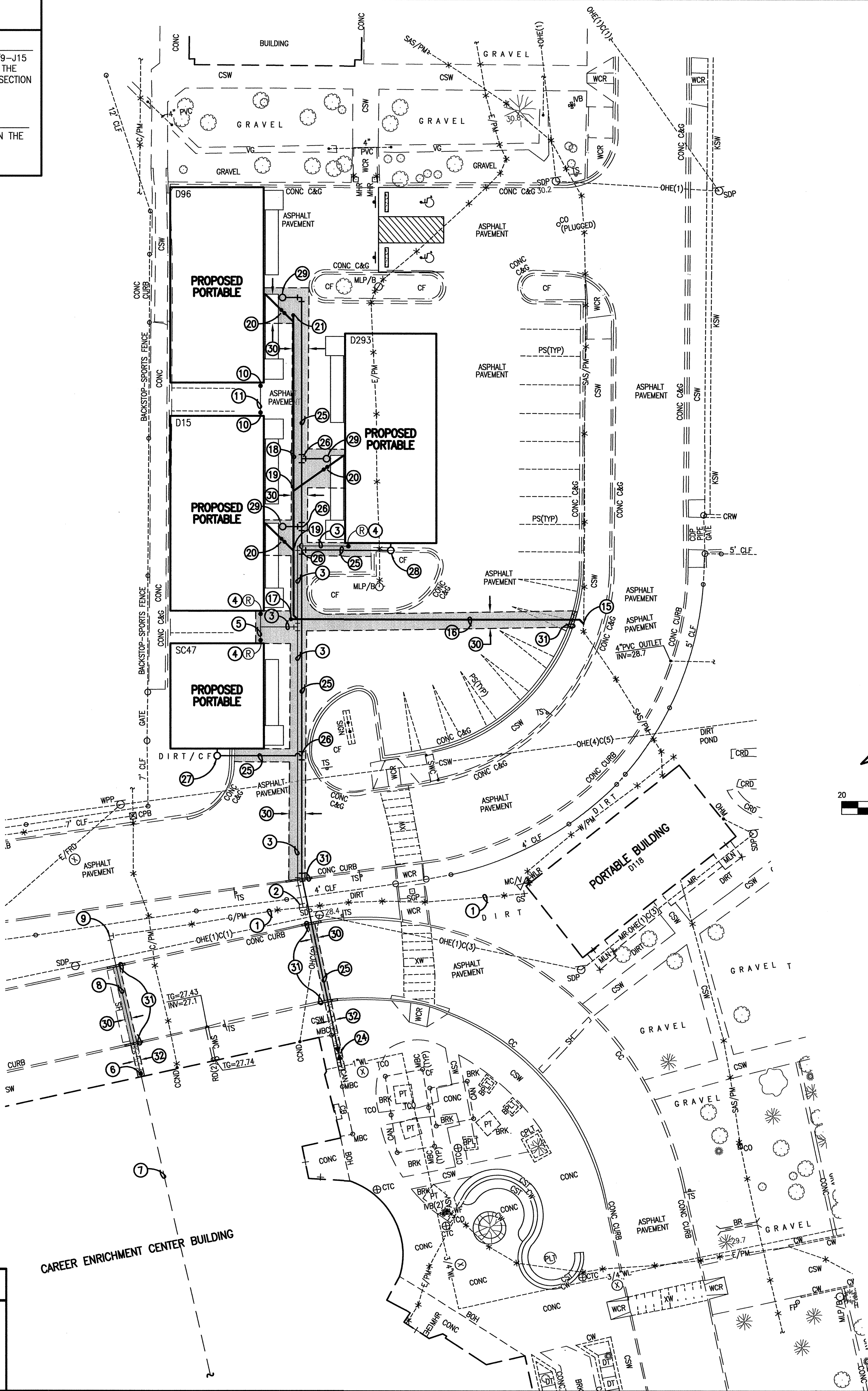
BENCHMARKS

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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.

PROJECT DESCRIPTION, CONSTRUCTION REQUIREMENTS AND KEYED NOTES

I. PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF THE TEMPORARY RELOCATION OF EXISTING PORTABLE BUILDINGS TO PREPARE A CONSTRUCTION SITE FOR A NEW PERMANENT CLASSROOM BUILDING. EACH OF THE PORTABLE BUILDINGS IS EXISTING; NO CHANGE OF USE IS INTENDED AND NO ADDITIONAL PLUMBING IS PROPOSED. THE BUILDINGS ARE NOT BEING RELOCATED FROM ANOTHER SCHOOL SITE WITHIN THE DISTRICT.

UPON RELOCATION OF THE EXISTING BUILDINGS, EXISTING UTILITIES WILL BE RE-ROUTED AROUND THE EXISTING SITE AND REMOVED FROM WITHIN THE EXISTING SITE (SHEET 10). NEW UTILITIES WILL BE EXTENDED TO SERVE THE RELOCATED BUILDINGS (SHEET 11). DEMOLITION REQUIREMENTS ARE SPECIFIED BY THE DEMOLITION PLANS (SHEETS 3 AND 4). UPON COMPLETION OF THE PERMANENT CLASSROOM BUILDING

NO FOOD SERVICE IS PROPOSED.

RESTROOM HOOK-UP IS REQUIRED.

II. CONSTRUCTION REQUIREMENTS

- NO UTILITY CONSTRUCTION CAN COMMENCE WITHOUT WRITTEN NOTIFICATION OF THE ENGINEER
- A PRE-INSTALLATION MEETING IS REQUIRED PRIOR TO THE COMMENCEMENT OF UTILITY INSTALLATIONS
- PRIOR TO CONSTRUCTION, THE UTILITY CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL PROPOSED POINTS OF CONNECTION
- PRIOR TO CONSTRUCTION, THE UTILITY CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS OR CONFLICTS. 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 OR DECISIONS IT MAKES WITHOUT FIRST CONTACTING THE ENGINEER AS REQUIRED ABOVE.
- DEVIATIONS FROM THIS PLAN SHALL BE PROHIBITED WITHOUT THE CONSENT OF THE ENGINEER.

III. UTILITY CONNECTIONS DETAILS

- REFER TO SHEET 12 FOR UTILITY CONNECTION DETAILS
- REFER TO ELECTRICAL SHEETS FOR ELECTRIC SERVICE DESIGN AND CONNECTIONS

IV. UTILITY SITE PLAN KEYED NOTES - NORTH

- EXISTING 1" HPG LINE
- CONNECT NEW 1" HPG LINE TO EXISTING 1" HPG LINE
- INSTALL 1" HPG LINE
- INSTALL 1" HPG RISER AND REGULATOR; CONNECT TO EXISTING LPG LINE ON BOTTOM RAIL
- INSTALL 1"x1"x1" HPG TEE
- INSTALL 1-1/4" HPG LINE ATTACHED TO EXTERIOR FACE OF BUILDING
- INSTALL ROOF-MOUNTED 1-1/4" HPG LINE FOR SERVICE TO THE RELOCATED PORTABLE BUILDINGS
- INSTALL 1-1/4" HPG LINE
- CONNECT NEW 1-1/4" HPG LINE TO EXISTING 1" HPG LINE
- INSTALL 1" LPG RISER; CONNECT TO EXISTING LPG LINE ON BOTTOM RAIL
- INSTALL 1" LPG LINE
- (NOT USED)
- (NOT USED)
- (NOT USED)
- INSTALL 4" WYE CONNECTION TO EXISTING SAS SERVICE LINE; INV @ _____
- INSTALL 4" SAS SERVICE LINE @ S = 0. _____
- INSTALL 4" WYE AND SINGLE CLEANOUT; INV @ _____
- INSTALL 4" SAS SERVICE LINE @ S = 0. _____
- INSTALL 4" WYE CONNECTION TO NEW SAS SERVICE LINE TO SERVE RELOCATED PORTABLE BUILDING
- CONNECT NEW 4" SAS SERVICE TO EXISTING BUILDING STUBOUT PER TYPICAL CONNECTION DETAIL, SHEET 12
- INSTALL 4" WYE AND SINGLE CLEANOUT
- (NOT USED)
- (NOT USED)
- CONNECT NEW 1" WATER LINE TO EXISTING 1" WATER LINE; INSTALL 1" ISOLATION VALVE AND VALVE BOX
- INSTALL 1" WATER SERVICE LINE
- INSTALL 1"x1"x1" TEE (WATER)
- INSTALL 1" WATER SERVICE W/VALVE CAN FOR EVAPORATIVE COOLER SUPPLY; EXTEND SERVICE TO ROOFTOP FOR CONTINUATION NORTH TO FEED D15 AND D96.
- INSTALL 1" WATER SERVICE FOR EVAPORATIVE COOLER SUPPLY TO D293.
- INSTALL 1" WATER SERVICE CONNECTION AND VALVE CAN PER TYPICAL DETAIL, SHEET 12
- PATCH EXISTING ASPHALT PAVEMENT PER TYPICAL SECTION
- REPLACE EXISTING CONCRETE CURB
- REPLACE EXISTING CONCRETE SIDEWALK

SURVEY NOTE:

THIS IS NOT A BOUNDARY SURVEY; DATA IS SHOWN FOR ORIENTATION ONLY. THE BOUNDARY INFORMATION DEPICTED BY THIS PLAN IS BASED UPON A PREVIOUS PRELIMINARY, UNCERTIFIED SURVEY, PREPARED BY HIGH MESA CONSULTING GROUP, NMPS 11184, DATED 2009. THE TOPOGRAPHIC INFORMATION DEPICTED HEREON IS BASED UPON THE TOPOGRAPHIC AND UTILITY SURVEY PREPARED BY HIGH MESA CONSULTING GROUP, NMPS NO. 11184, DATED 05-26-2003 (2003.886.6).

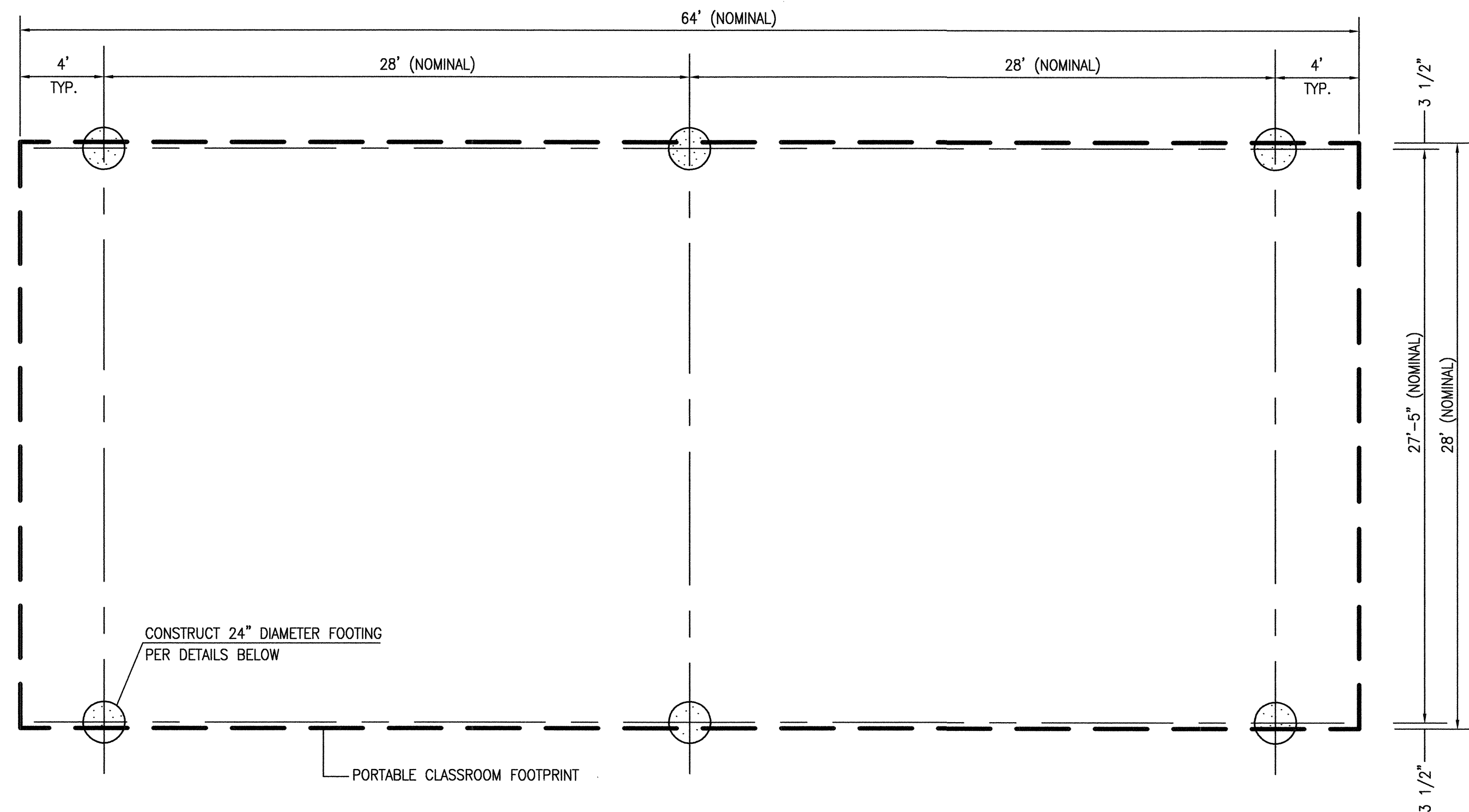
HIGH MESA Consulting Group

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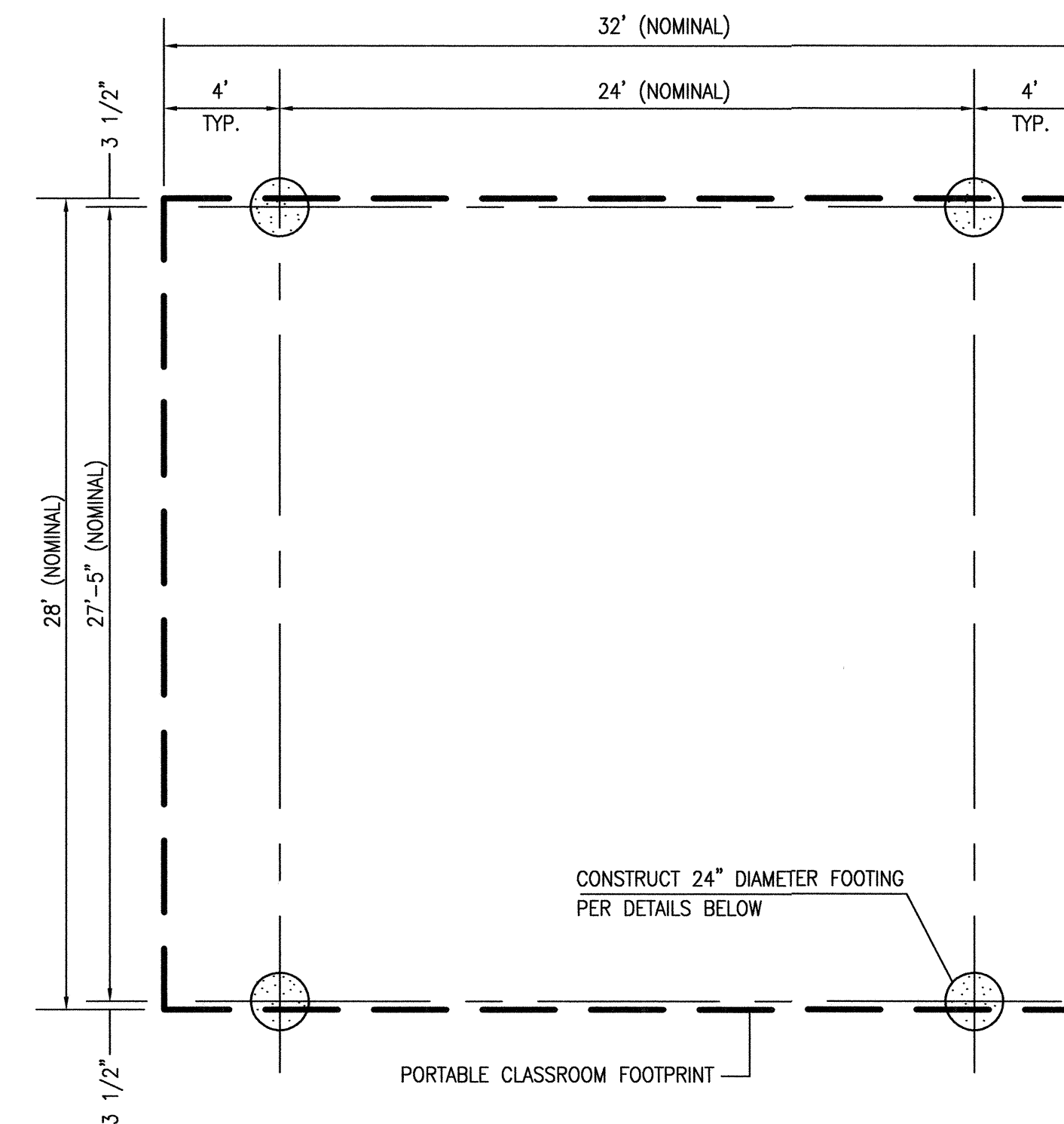
**UTILITY SITE PLAN - NORTH
PORTABLE CLASSROOM RELOCATIONS
CAREER ENRICHMENT CENTER
807 MOUNTAIN ROAD N.E.**

DESIGNED BY	J.G.M.	NO.	DATE	BY	REVISIONS	JOB NO.
DRAWN BY	J.Y.R.					2013.184.2
APPROVED BY	J.G.M.					DATE 06-2014
						SHEET 11 OF 14





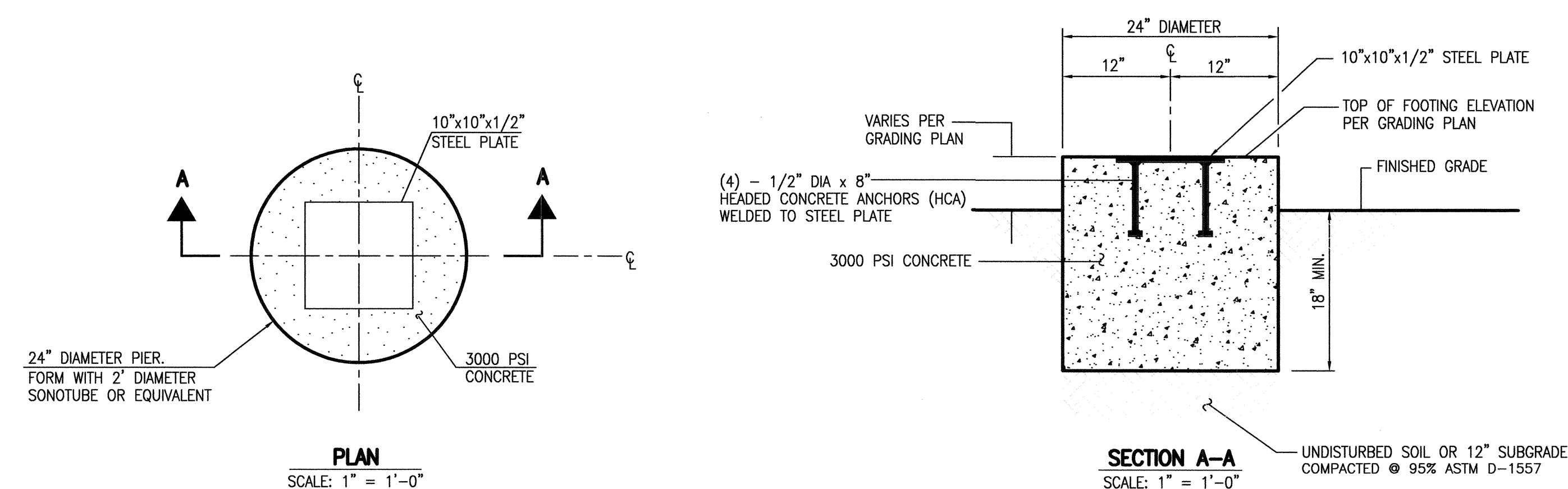
C1 DOUBLE PORTABLE CLASSROOM FOUNDATION PLAN
SCALE: 1" = 5' - 0"



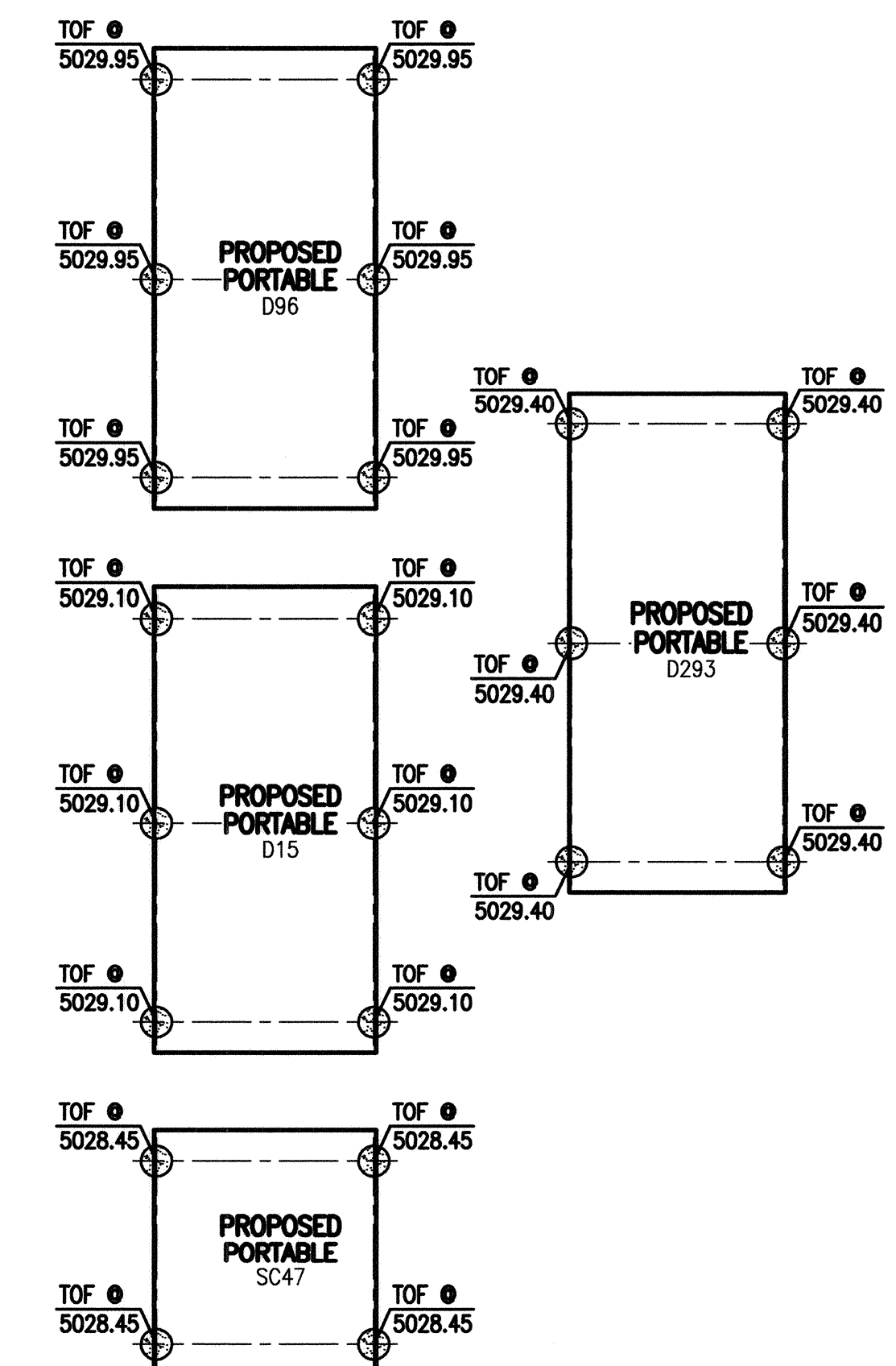
C4 SINGLE PORTABLE CLASSROOM FOUNDATION PLAN
SCALE: 1" = 5' - 0"

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.



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



A5 FOUNDATION PLAN
SCALE: 1" = 20'-0"

HIGH MESA Consulting Group

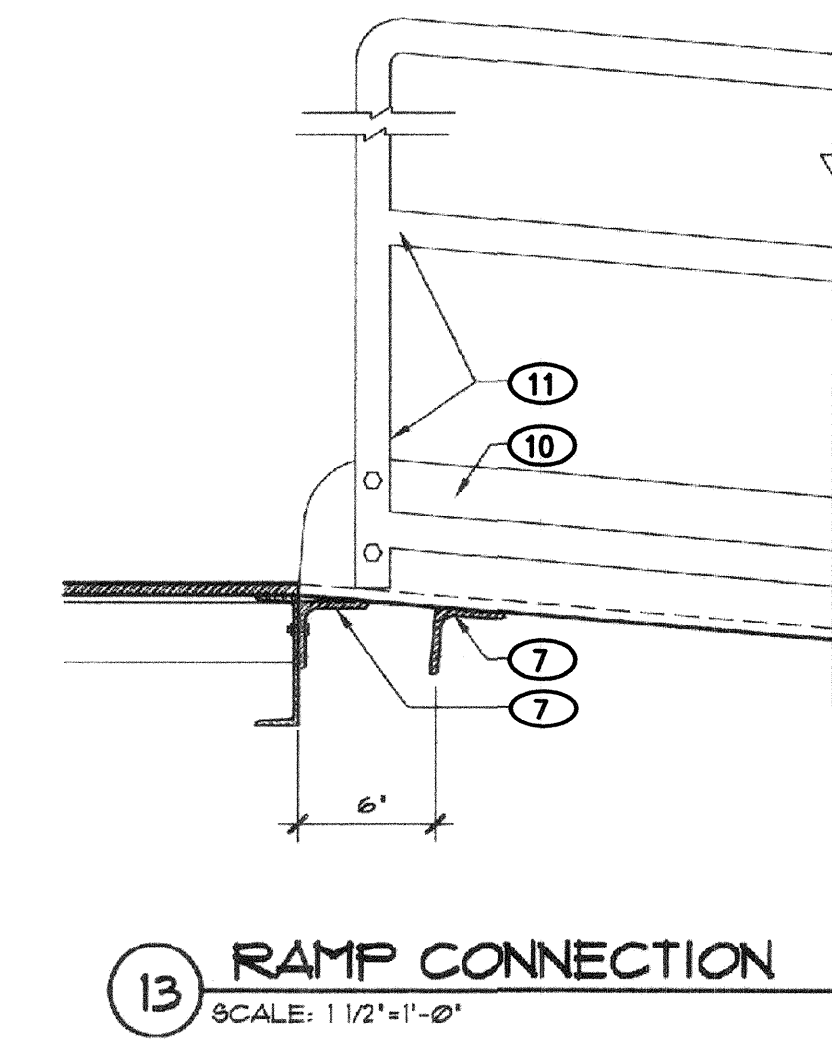
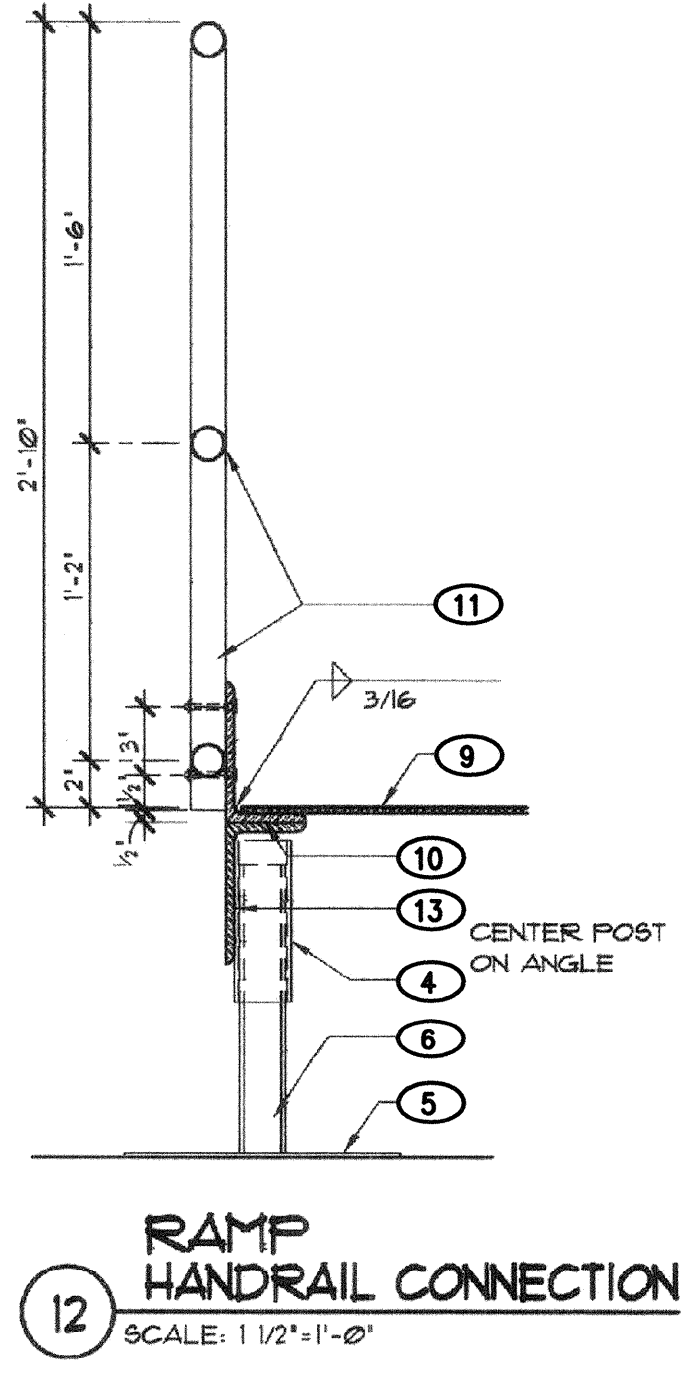
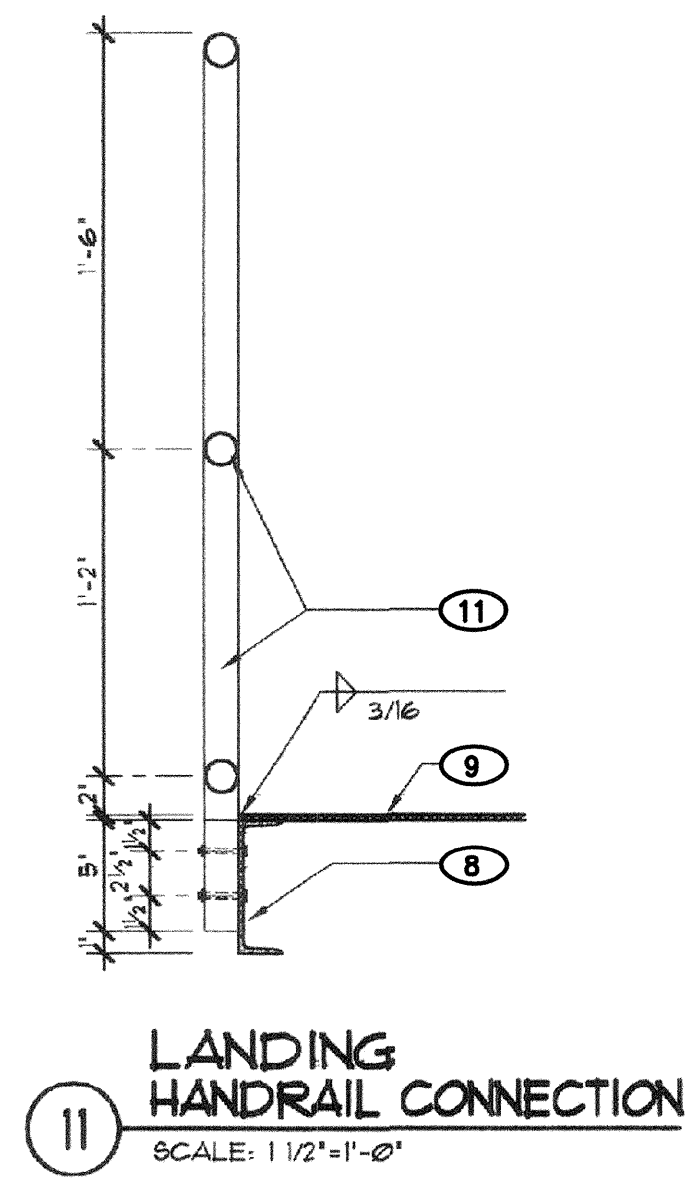
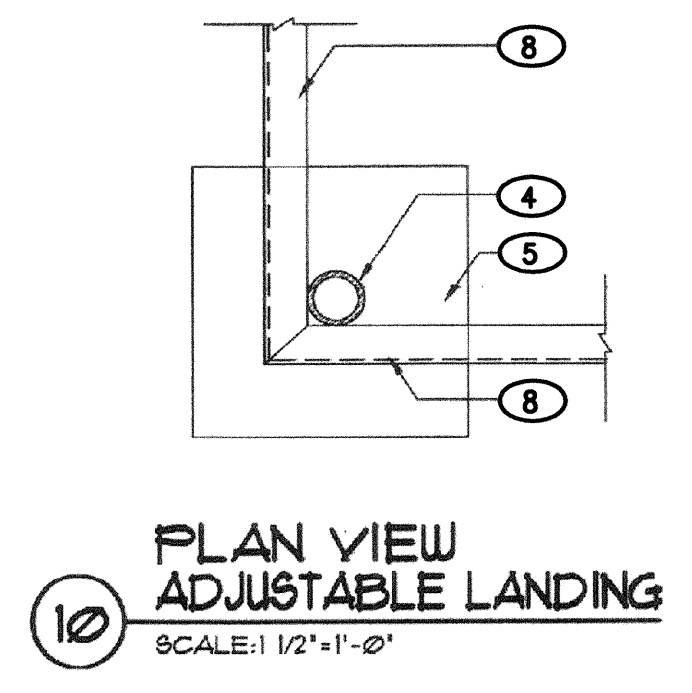
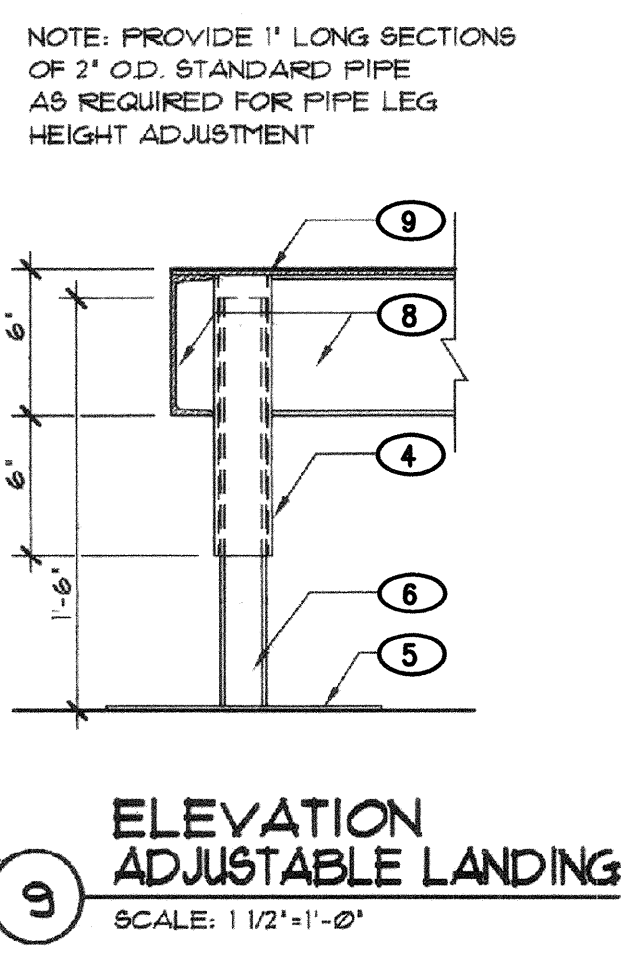
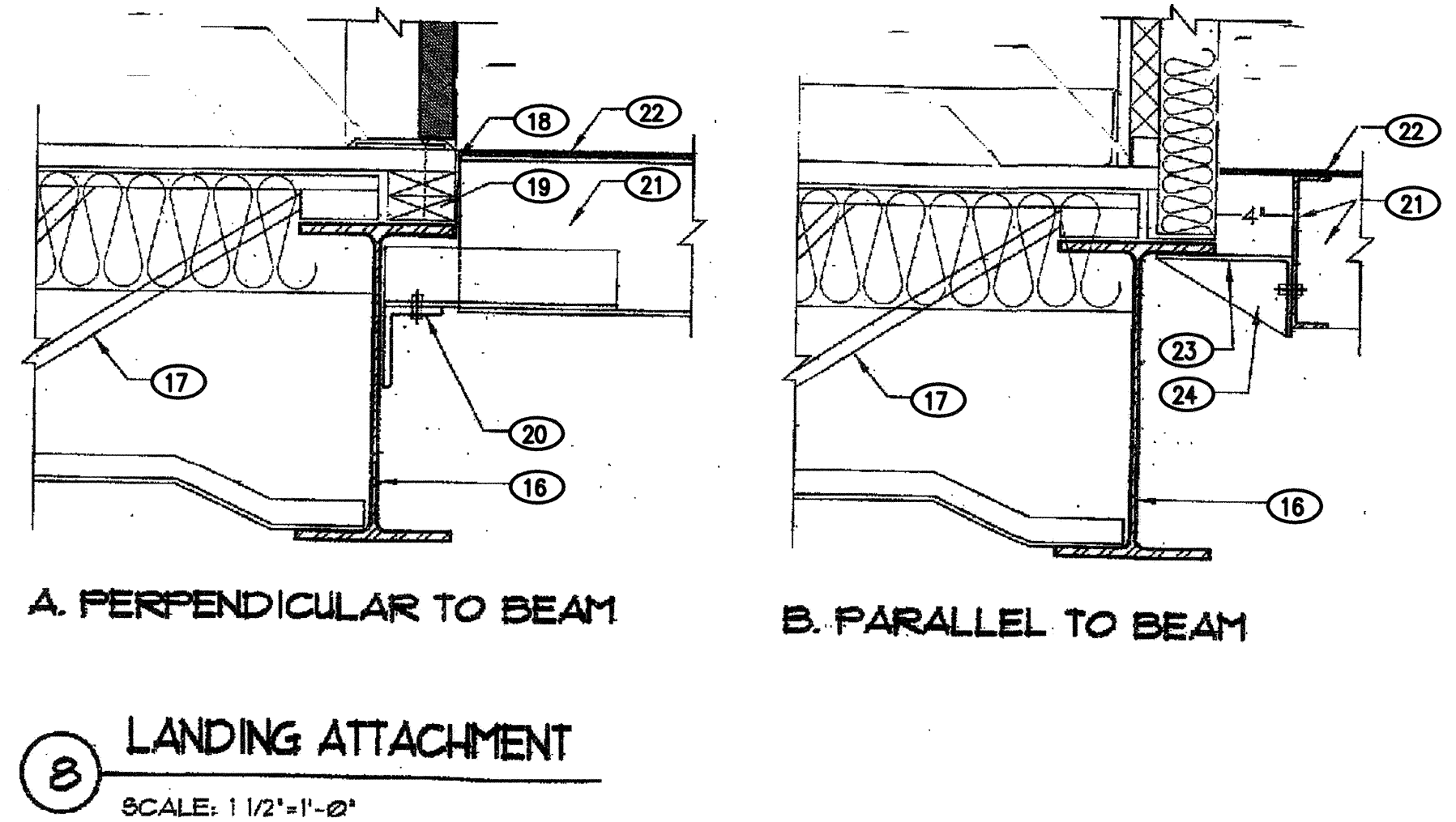
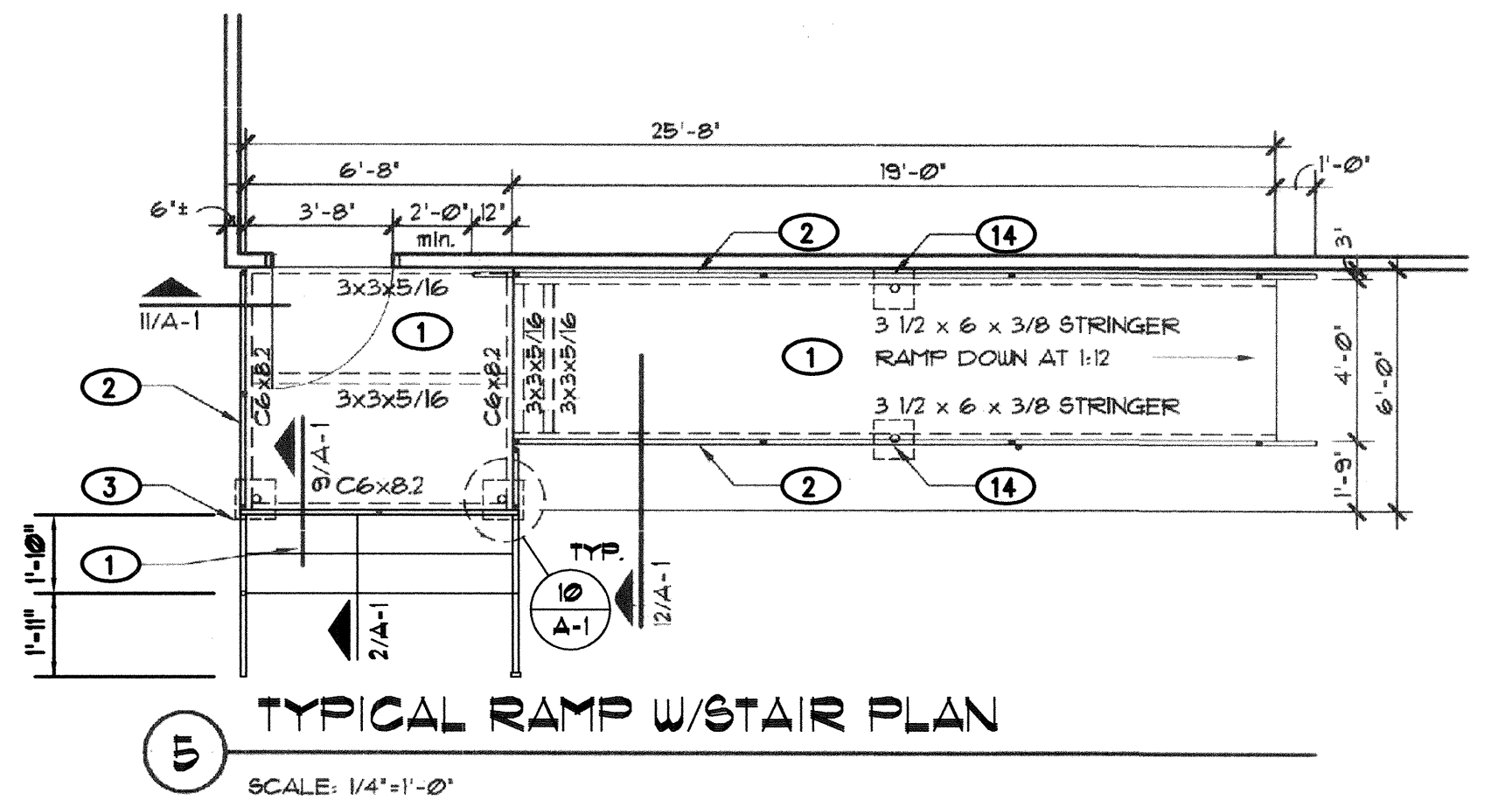
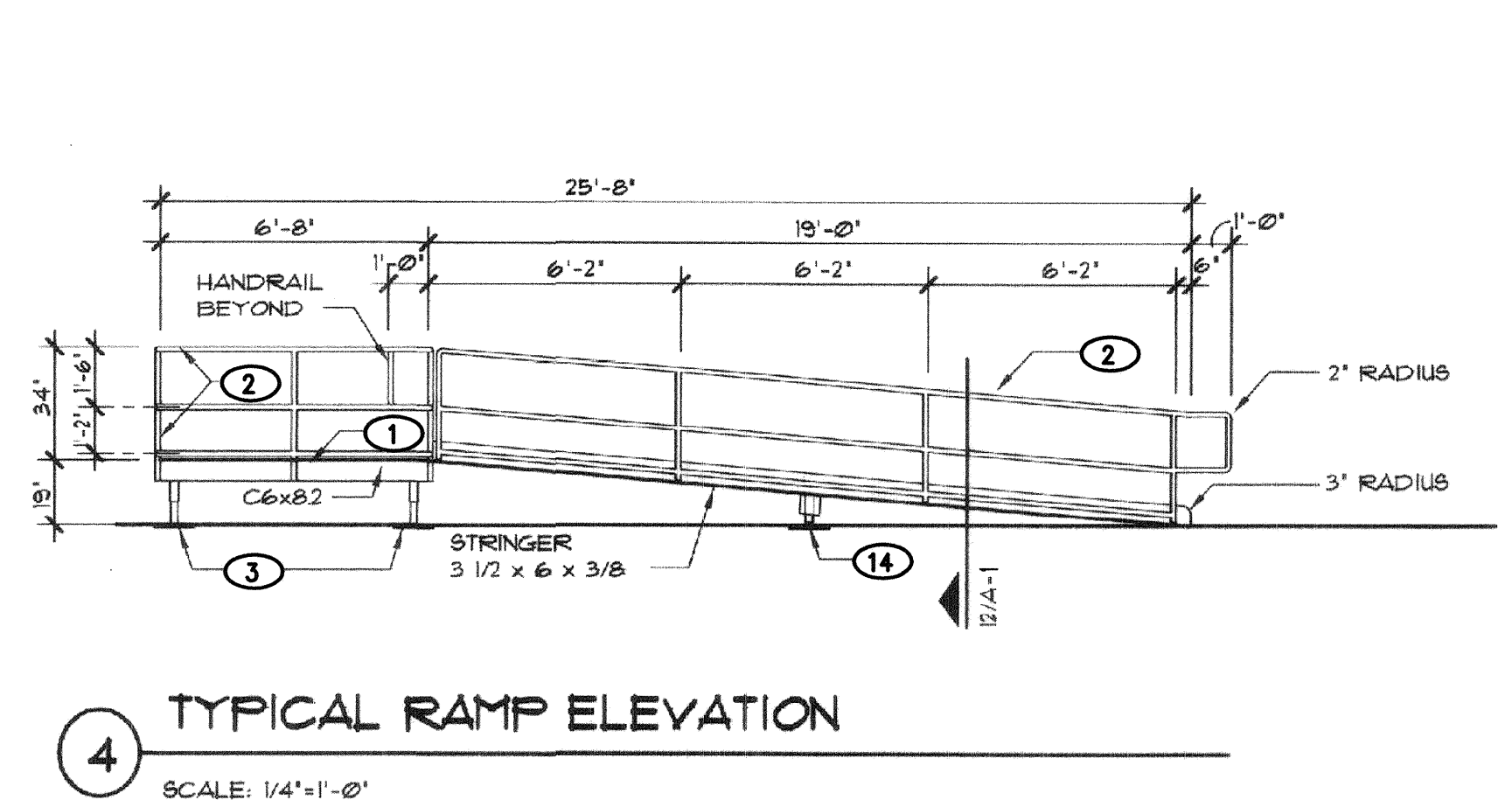
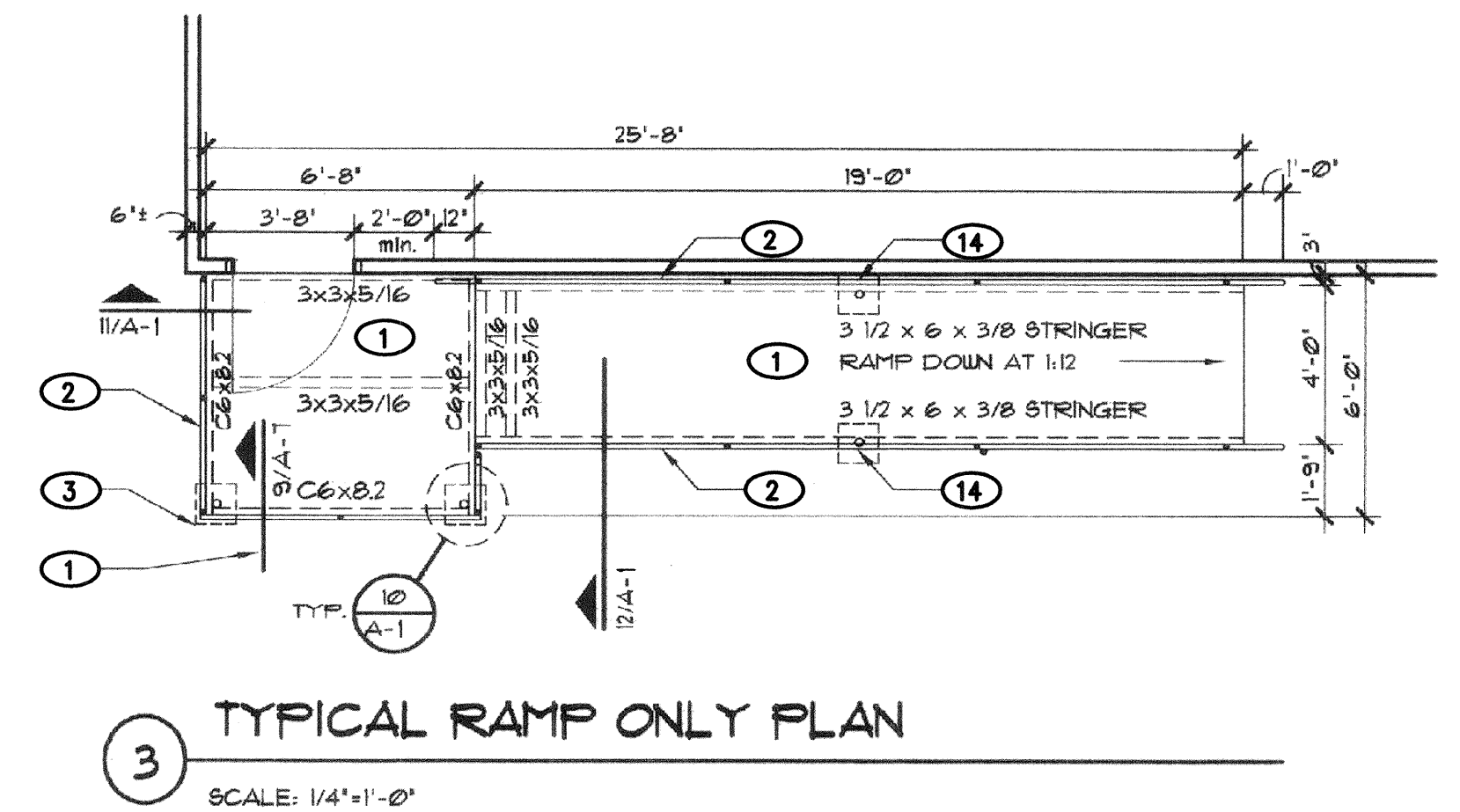
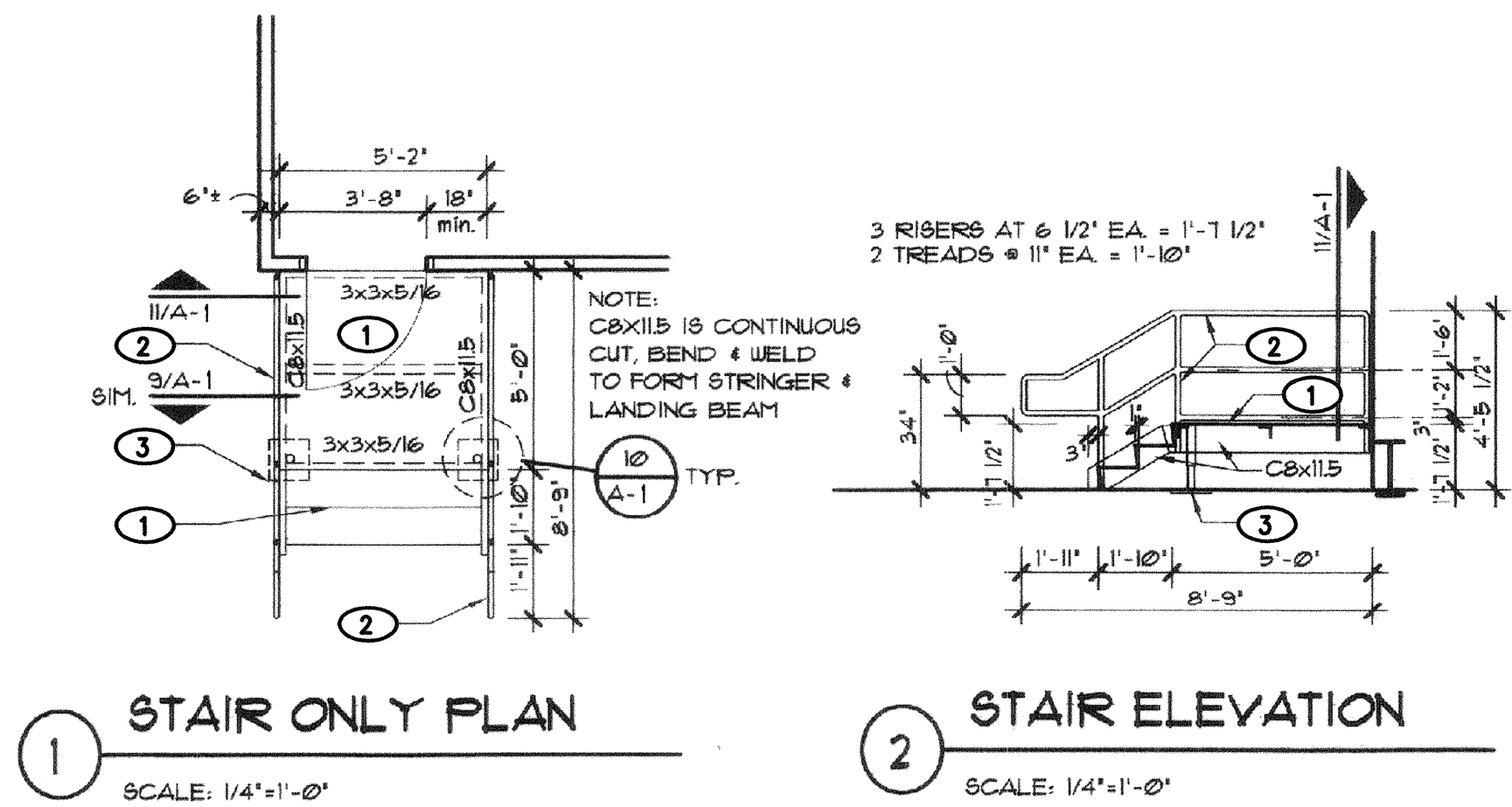
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TYPICAL APS PORTABLE CLASSROOM FOUNDATION PLAN
PORTABLE CLASSROOM RELOCATIONS
CAREER ENRICHMENT CENTER
807 MOUNTAIN ROAD N.E.

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

NO.	DATE	BY	REVISIONS

JOB NO. 2013.184.2
DATE 06-2014
SHEET 13 OF 14



- KEYED NOTES**
- 1/4" CHECKERED PLATE STEEL
 - 1 1/2" O.D. STEEL PIPE HAND RAIL AND POSTS, BOLT W/ (2) 3/8" DIA. THRU BOLTS AT EA. VERTICAL PIPE
 - ADJUST LANDING SUPPORT, SEE DETAILS 9 AND 10/A-1
 - 2 1/2" O.D. STEEL PIPE SLEEVE, WELD TO CHANNELS
 - 12"x12"x3/8" BASE PLATE
 - 2" O.D. STEEL PIPE
 - STEEL ANGLE 3"x3"x5/16"
 - STEEL CHANNEL, SEE FRAMING PLAN FOR SIZE
 - 1/4" THICK STEEL CHECKERED PLATE
 - STEEL ANGLE STRINGER, 3 1/2"x6"x3/8"
 - 1 1/2" O.D. STEEL PIPE HANDRAIL AND POSTS, BOLT W/ (2) 3/8" DIA. THRU BOLTS AT EA. VERTICAL PIPE
 - ATTACH LANDING TO BLDG. GIRT, SEE DETAIL 8/A-1
 - STEEL ANGLE 3 1/2"x6"x3/8"x6" LONG
 - ADJUSTABLE LANDING SUPPORT, SEE DETAILS 12/A-1
 - (NOT USED)
 - STEEL BEAM, W-16x40
 - STEEL BAR JOIST
 - SILL FLASHING
 - WOOD BLOCKING
 - STEEL ANGLE 4"x3"x3/8"x8" LONG, WELD ANGLE TO W16x40 W/ ONE 5/8" DIA. BOLT
 - STEEL CHANNEL
 - 1/4" THICK STEEL CHECKERED PLATE
 - 7"x4"x3/8"x8" LONG STEEL ANGLE, WELD TO W16x40 AND ATTACH TO CHANNEL W/ TWO 5/8" DIA. BOLTS, ONE EACH SIDE OF STIFFENER PLATE
 - 3/8" STIFFENER PLATE, WELD TO ANGLE

TYPICAL APS PORTABLE CLASSROOM
RAMPS & STAIRS
PORTABLE CLASSROOM RELOCATIONS
CAREER ENRICHMENT CENTER
807 MOUNTAIN ROAD N.E.

NO.	DATE	BY	REVISIONS

PROJECT No. 2013.184.2
DESIGNED BY J.D.S.
DRAWN BY J.Y.R.
APPROVED BY J.G.M.
SHEET TITLE

TYPICAL APS
CLASSROOM
PORTABLE
RAMPS & STAIRS