

File Path: P:\WA\2011\1802\BKG\201102-SHTABLDWG Plot Date: 02-23-2012
File Name: 111802-SHTABLDWG Plot Time: 2:37 pm

• L E G E N D •

MATERIALS

CONCRETE
RIP-RAP

LINES

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

EARTHWORK

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

MISCELLANEOUS UTILITIES

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

SANITARY SEWER

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

WATER

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

WATER FITTINGS

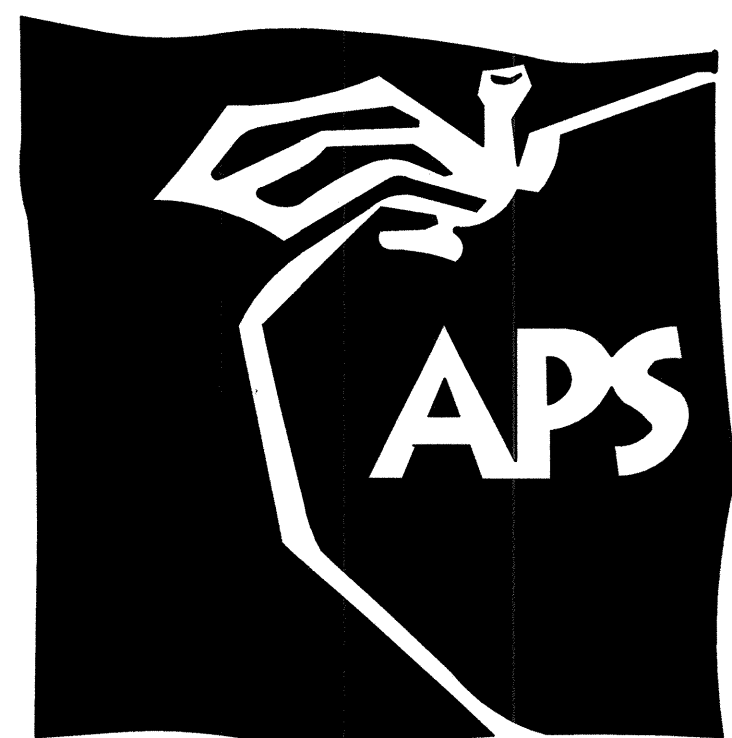
CAPS AND PLUGS
ELBOW
CROSS
TEE

MISCELLANEOUS

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

△ **RECORD DRAWING**

CONSTRUCTION PLANS
for
**P.A.P.A. CHARTER SCHOOL
AT
BEL AIR ELEMENTARY SCHOOL -
PHASE 2**
3000 ADAMS N.E.
ALBUQUERQUE, NEW MEXICO
SEPTEMBER, 2011



△ **ENGINEER'S CERTIFICATION**

I, JEFFREY G. MORTENSEN, NMPE 8547, OF THE FIRM HIGH MESA CONSULTING GROUP, HEREBY CERTIFY THAT THIS PHASE II PROJECT HAS BEEN GRADED, DRAINED AND CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 09-02-2011. 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 12-19-2011 PERFORMED UNDER THE DIRECT SUPERVISION OF CHARLES G. CALA, JR., NMPS 11184, OF THE FIRM HIGH MESA CONSULTING GROUP AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED TO DOCUMENT COMPLETION OF THOSE IMPROVEMENTS IDENTIFIED ON THE APPROVED PLAN FOR THE OWNER AND CITY OF ALBUQUERQUE, TO SUPPORT A REQUEST FOR PERMANENT CERTIFICATE OF OCCUPANCY, AND TO SATISFY CONDITIONS OF GRADING AND DRAINAGE APPROVAL.

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

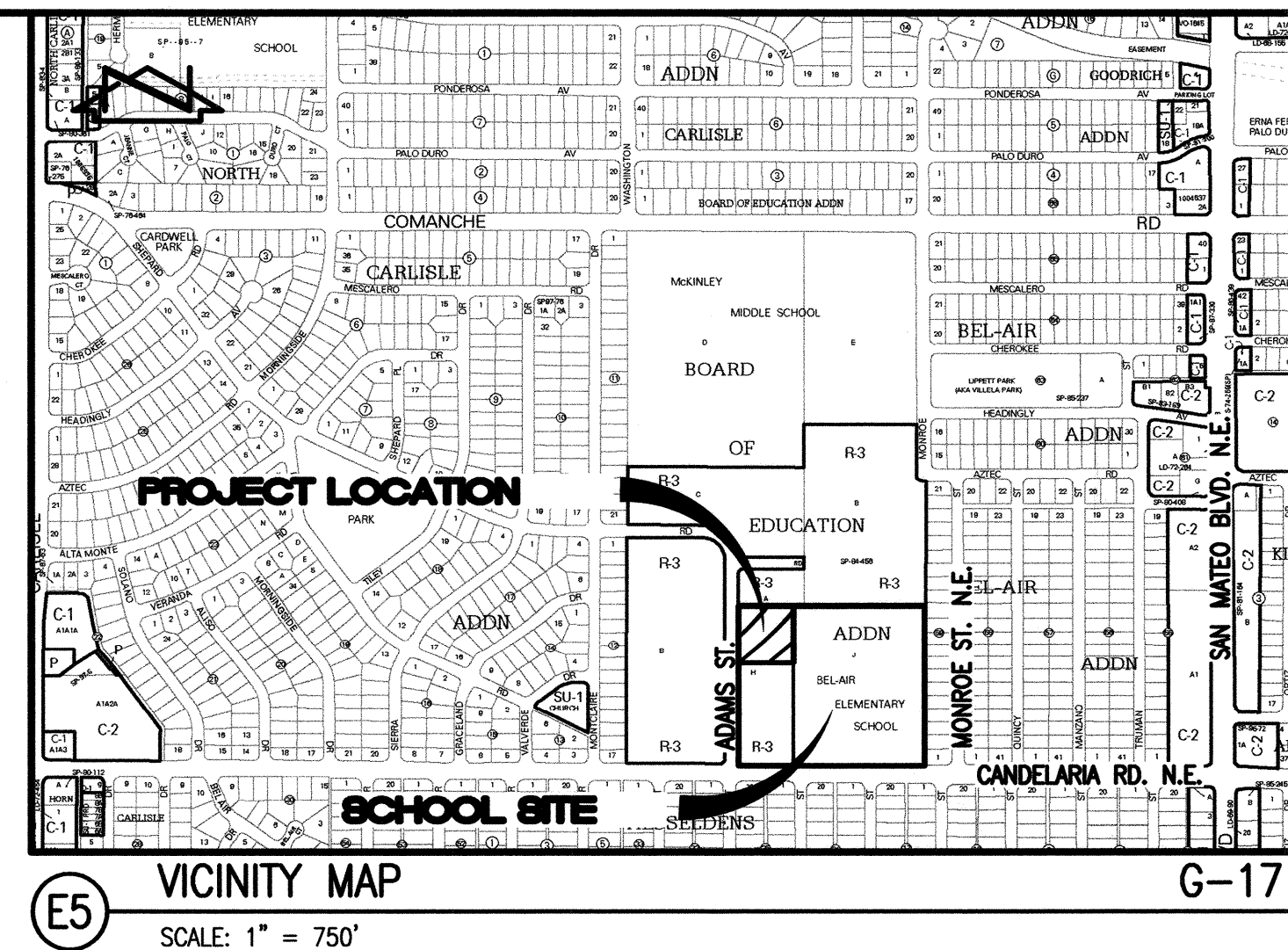
Jeffrey G. Mortensen
JEFFREY G. MORTENSEN, NMPE 8547
DATE 03-22-2012

NEW MEXICO
8547
REGISTERED PROFESSIONAL ENGINEER

INDEX OF DRAWINGS

SHEET	DESCRIPTION
1	COVER SHEET, VICINITY MAP, GENERAL NOTES, LEGEND AND INDEX OF DRAWINGS
2	DEVELOPMENT PLAN
3	PAVING AND LAYOUT PLAN
4	PAVING SECTIONS AND DETAILS
5	GRADING PLAN
6	DRAINAGE PLAN AND CALCULATIONS
7	UTILITY SITE PLAN
8	PORTABLE CLASSROOM UTILITY CONNECTION DETAILS
9	OVERHEAD UTILITY PLAN
10	APS PORTABLE CLASSROOM FOUNDATION PLAN
11	TYPICAL APS PORTABLE CLASSROOMS RAMPS AND STAIRS

△ **RECORD DRAWING**



GENERAL NOTES:

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - 1987, PUBLISHED BY THE NEW MEXICO CHAPTER AMERICAN PUBLIC WORKS ASSOCIATION. (REVISED 12/06)
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 260-1990, (ALBUQUERQUE AREA) 1-800-321-ALERT (2537) (STATEWIDE) FOR LOCATION OF EXISTING PUBLIC UTILITIES AND ALBUQUERQUE PUBLIC SCHOOLS OR THEIR DESIGNATED SUBSURFACE UTILITY CONSULTANT FOR APS-OWNED UTILITIES.
- IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS INVESTIGATION IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE. THEREFORE, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFORE. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
- SHOULD A CONFLICT EXIST BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY FOR ALL PARTIES.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING SAFETY AND HEALTH.
- THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY.
- THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
- CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO ENSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE ENGINEER. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED.
- ALL PAVEMENT MARKINGS AND TRAFFIC SIGNS SHALL COMPLY WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION, LATEST EDITION.
- IF THE REMOVAL OF EXISTING CURB AND GUTTER, SIDEWALK, AND/OR PAVING IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. WHEN ABUTTING NEW PAVEMENT TO EXISTING, THE CONTRACTOR SHALL CUT BACK THE EXISTING PAVING TO A STRAIGHT LINE IN ORDER TO REMOVE ANY BROKEN OR CRACKED PAVEMENT. CURB AND GUTTER AND/OR PAVEMENT SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT AND WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
- A DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL (CONTAMINATED OR OTHERWISE), ASPHALTIC PAVING, CONCRETE PAVING, ETC. SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE REGULATIONS. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND IN HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT SHALL BE MADE.
- A BORROW SITE FOR IMPORT MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE REGULATIONS. ALL COSTS INCURRED IN OBTAINING A BORROW SITE AND IN HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT SHALL BE MADE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAFELY OBTAINING THE REQUIRED COMPACTION. THE CONTRACTOR SHALL SELECT AND USE METHODS WHICH SHALL NOT BE INJURIOUS OR DAMAGING TO THE EXISTING FACILITIES AND STRUCTURES WHICH SURROUND THE WORK AREAS.
- THE CONTRACTOR SHALL CONFINE HIS WORK WITHIN THE CONSTRUCTION LIMITS IN ORDER TO PRESERVE THE EXISTING IMPROVEMENTS AND SO AS NOT TO INTERFERE WITH THE OPERATIONS OF THE EXISTING FACILITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING APPROPRIATE MEANS AND METHODS TO EXCAVATE AND TRENCH AND/OR INSTALL PIPE SO AS TO NOT EXCEED RIGHT-OF-WAY OR EASEMENT LIMITS AND SO AS NOT TO INTERFERE WITH OTHER UTILITIES OR IMPROVEMENTS. THIS SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, SUPPORTING AND REPLACING, IF DAMAGED, ALL UTILITIES ENCOUNTERED DURING CONSTRUCTION. THIS SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
- ALL DIMENSIONS AND RADII OF CURB, CURB RETURNS, AND WALLS ARE SHOWN TO THE FACE OF CURB AND/OR WALL.
- THE CONTRACTOR SHALL NOTIFY THE OWNER 48 HOURS PRIOR TO STRIPING SO THAT LAYOUT CAN BE VERIFIED.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL 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. 2011.180.2

△	I-II		02/12						
REV.	SHEETS	CITY	ENGINEER	DATE	USER	DEPARTMENT	DATE	USER	DEPARTMENT
APPROVAL OF REVISIONS									

09-02-2011

NEW MEXICO
8547
REGISTERED PROFESSIONAL ENGINEER

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

APPROVED FOR CONSTRUCTION

C.E.

SHEET 1 OF 11

ENGINEER'S CERTIFICATION

I, JEFFREY G. MORTENSEN, NMPE 8547, OF THE FIRM HIGH MESA CONSULTING GROUP, HEREBY CERTIFY THAT THIS PHASE II PROJECT HAS BEEN GRADED, DRAINED AND CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 09-02-2011. 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 12-19-2011 PERFORMED UNDER THE DIRECT SUPERVISION OF CHARLES G. CALA, JR., NMPS 11184, OF THE FIRM HIGH MESA CONSULTING GROUP AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED TO DOCUMENT COMPLETION OF THOSE IMPROVEMENTS IDENTIFIED ON THE APPROVED PLAN FOR THE OWNER AND CITY OF ALBUQUERQUE, TO SUPPORT A REQUEST FOR PERMANENT CERTIFICATE OF OCCUPANCY, AND TO SATISFY CONDITIONS OF GRADING AND DRAINAGE APPROVAL.

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JEFFREY G. MORTENSEN, NMPE 8547

DATE



INDEX OF DRAWINGS

SHEET

DESCRIPTION

- | | |
|----------|--|
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| 2 OF 11 | DEVELOPMENT PLAN (FOR ORIENTATION ONLY) |
| 3 OF 11 | PAVING AND LAYOUT PLAN |
| 5 OF 11 | GRADING PLAN |
| 6 OF 11 | DRAINAGE PLAN AND CALCULATIONS |
| 10 OF 11 | APS PORTABLE CLASSROOM FOUNDATION PLAN |

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DRAINAGE CERTIFICATION
P.A.P.A. CHARTER SCHOOL AT BEL AIR
ELEMENTARY SCHOOL - PHASE 2

DESIGNED BY J.G.M.

DRAWN BY E.J.S.

APPROVED BY J.G.M.

NO.	DATE	BY

REVISIONS

JOB NO.

2011.180.2

DATE

03-2012

SHEET

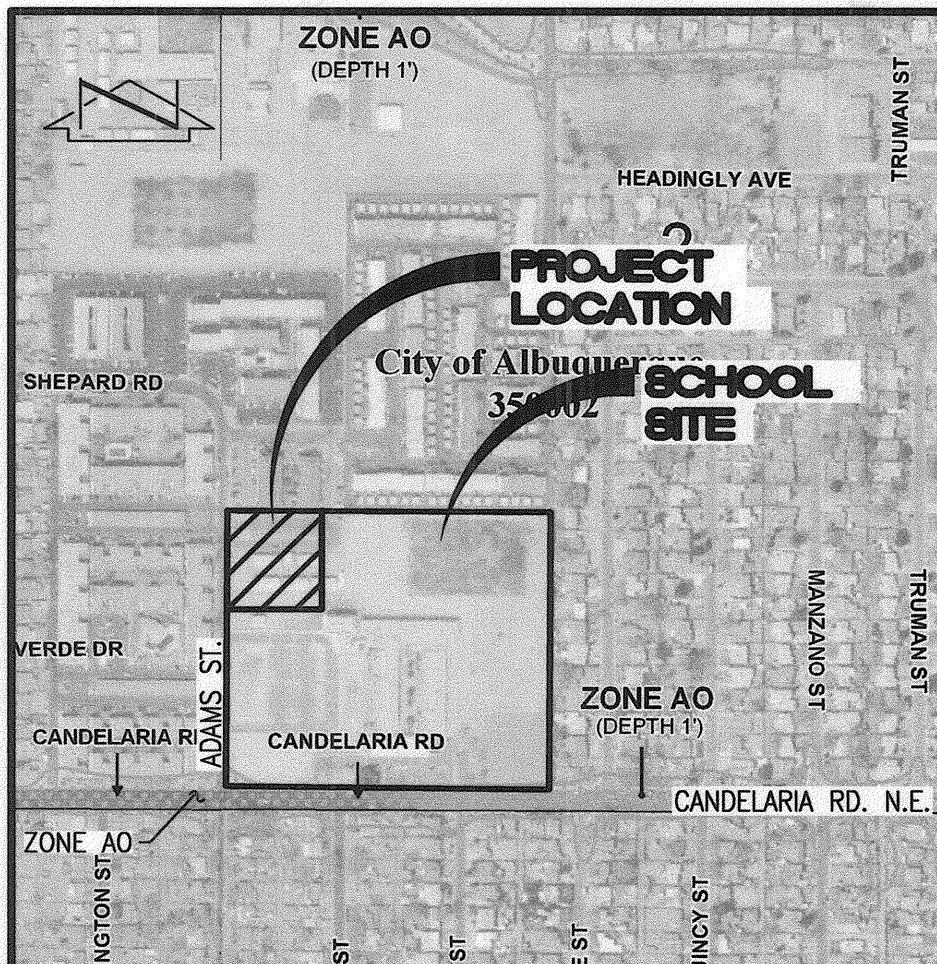
1

1

VICINITY MAP

SCALE: 1" = 750' (APPROX.)

G-17



F.I.R.M.

SCALE: 1" = 500' (APPROX.)

PANEL 351 & 352 OF 825

DATED 09/26/2008

LEGAL DESCRIPTION

TRACTS H AND J, BEL AIR ELEMENTARY SCHOOL,
ALBUQUERQUE, NEW MEXICO.

BENCHMARKS

PROJECT BENCHMARK

ACS BENCHMARK 9-G17, "□" CUT CHISELED ON TOP OF CONCRETE CURB AT THE WNW CURB RETURN LOCATED IN THE NORTHWEST QUADRANT OF THE INTERSECTION OF CANDELARIA ROAD N.E. AND SAN MATEO BOULEVARD N.E.
ELEVATION = 5204.30 FEET (NGVD 29)

T.B.M. #1

A REBAR WITH CAP STAMPED "LS 7719" TAGGED WITH WASHER STAMPED "NMPS 11184", AT THE NORTHWEST CORNER OF THE PROPERTY, AS SHOWN ON SHEET 2.
ELEVATION = 5171.37 FEET (NGVD 29)

LEGAL DESCRIPTION

TRACTS H AND J, BEL AIR ELEMENTARY SCHOOL, ALBUQUERQUE, NEW MEXICO.

EASEMENT KEYED NOTES

EASEMENTS

- (A) 5' UTILITY EASEMENT GRANTED BY PLAT D2-120B
(B) 10' PUBLIC WALK EASEMENT GRANTED BY PLAT D2-120B
(C) APPROXIMATE LOCATION OF 10' UTILITY EASEMENT GRANTED BY PLAT D2-120B
(D) 5' UTILITY EASEMENT GRANTED BY PLAT D1-39 - OFFSITE
(E) 5' PUBLIC UTILITY EASEMENT GRANTED BY PLAT C25-149 - OFFSITE

BENCHMARKS

PROJECT BENCHMARK

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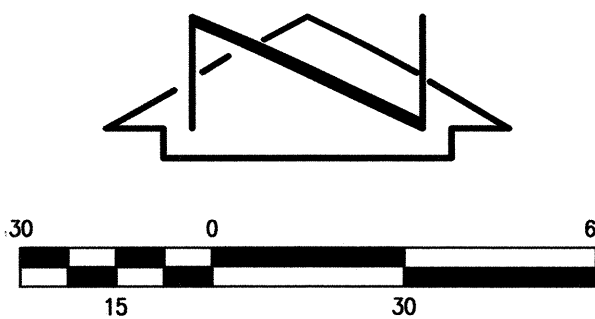
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LEGEND

AP	ASPHALT PAVEMENT
ARD	ASPHALT RUNDOWN
ASPH	ASPHALT
BB	BREAKER BOX
BLDG	BUILDING
BR	BIKE RACK
C	COMMUNICATION
C&G	CURB AND GUTTER
C/PM	COMMUNICATION BY PAINT MARK
CB	CONCRETE BENCH
CCT	CONCRETE CUT
CI	CAST IRON PIPE
CLD	CENTERLINE OF DOOR
CLDD	CENTERLINE OF DOUBLE DOOR
CLF	CHAINLINK FENCE
CMU	CONCRETE MASONRY UNIT
CNY	CANOPY
CO	SANITARY SEWER CLEANOUT
CONC	CONCRETE
COP	CURB OPENING
CP	CONCRETE PAD
CRW	CONCRETE RETAINING WALL
CWALL	CONCRETE WALL
DBL	DOUBLE
DW	DRIVEWAY
EA	EDGE OF ASPHALT
EC	EDGE OF CONCRETE
ECND	ELECTRIC CONDUIT
EP	ELECTRIC PANEL
EPB	ELECTRIC PULLBOX
ET	ELECTRIC TRANSFORMER
FH	FIRE HYDRANT
FL	FLOWLINE
G/PM	GAS BY PAINT MARK
GS	GAS SERVICE
GW	GUY WIRE
INV	INVERT ELEVATION
LB	LADDER BARS
LS	LANDSCAPED AREA
MCB	METER CAN WITH BIVALVE
MCHV	METER CAN WITH HOSEBIB AND VALVE
MCSV	METER CAN WITH SPRINKLER VALVE
MDS	METER CAN STOP
MH	MANHOLE
MLP	METAL LIGHT POLE WITH 2" CONCRETE BASE
MRL	METAL RAMP LANDING
MSL	METAL STEPS LANDING
OHC(1)	OVERHEAD COMMUNICATION (# OF LINES)
OHE(1)	OVERHEAD ELECTRIC (# OF LINES)
OHM	OVERHEAD ELECTRIC MAST
PB	PARKING BUMPER
PE	PLAYGROUND EQUIPMENT
PLTR	PLANTER
PORT	PORTABLE
PS	PARKING STRIPE
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
RD	ROAD
SAS	SANITARY SEWER
SAS/PM	SANITARY SEWER CLEANOUT
SB	SPEED BUMP
SCB	SPRINKLER CONTROL BOX
SCP	STEEL GUARD POST
SHR	STEEL HANDRAIL
SI	STORM INLET
STD	STANDARD
SW	SIDEWALK
SWC	SIDEWALK CULVERT
TA	TOP OF ASPHALT
TC	TOP OF CURB
TCO	TOP OF CONCRETE
TG	TOP OF GRADE
TS	TRAFFIC SIDEWALK
TYP	TYPICAL
UG	UNDERGROUND
UPP	UTILITY PAVING PATCH
VCP	VITRIFIED CLAY PIPE
VGP	VALLEY GUTTER
WCR	WHEELCHAIR RAMP
WF	WATER FAUCET
WHB	WATER HOTBOX
WL	WATERLINE
WL/PM	WATERLINE BY PAINT MARK
WMB	WATER METER BOX
WPP	WOOD POWER POLE
WVB	WATER VALVE BOX
*	UTILITY MARKER
	PROPOSED ASPHALT PAVING

RECORD DRAWING



TRACT A
WELLINGTON EAST
(FILED 11-27-1984, C25-149)

TRACT B
WELLINGTON EAST
(FILED 11-27-1984, C25-149)

DEVELOPMENT PLAN (FOR INFORMATION AND ORIENTATION ONLY)

P.A.P.A. CHARTER SCHOOL AT
BEL AIR ELEMENTARY SCHOOL
3000 ADAMS NE

HIGH MESA Consulting Group

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

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

NO.	DATE	BY	REVISIONS
1	02/12	B.E.E.	RECORD DRAWING

JOB NO. 2011.180.2
DATE 09-2011
SHEET 2 OF 11

RECORD DRAWING
FOR CERTIFICATION, SEE SHEET 1

LEGAL DESCRIPTION

TRACTS H AND J, BEL AIR ELEMENTARY SCHOOL, ALBUQUERQUE, NEW MEXICO.

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BENCHMARKS

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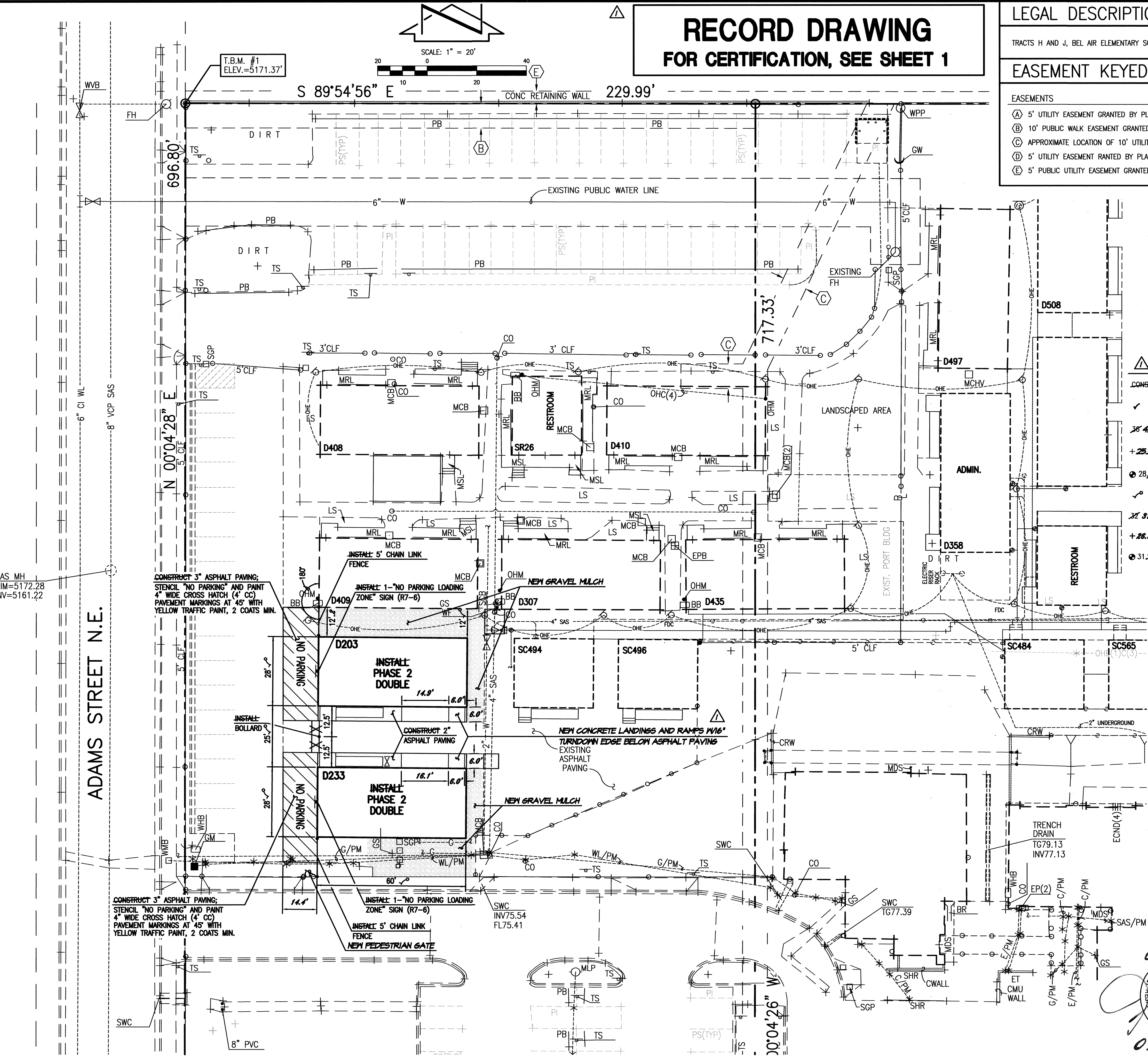
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CONC	CONCRETE
COP	CURB OPENING
CP	CONCRETE PAD
CRW	CONCRETE RETAINING WALL
CWALL	CONCRETE WALL
DBL	DOUBLE
DW	DRIVEWAY
EA	EDGE OF ASPHALT
EC	EDGE OF CONCRETE
ECND	ELECTRIC CONDUIT
EP	ELECTRIC PANEL
EPB	ELECTRIC PULLBOX
ET	ELECTRIC TRANSFORMER
FH	FIRE HYDRANT
FL	FLOWLINE
G/PM	GAS BY PAINT MARK
GS	GAS SERVICE
GW	GUY WIRE
INV	INVERT ELEVATION
LB	LADDER BARS
LS	LANDSCAPED AREA
MCB	METER CAN WITH BIEVALVE
MCHV	METER CAN WITH HOSEBIB AND VALVE
MCSV	METER CAN WITH SPRINKLER VALVE
MDS	METAL DOOR STOP
MH	MANHOLE
MLP	METAL LIGHT POLE WITH 2' CONCRETE BASE
MRL	METAL RAMP LANDING
MSL	METAL STEPS LANDING
OHC(1)	OVERHEAD COMMUNICATION (# OF LINES)
OHC(1)	OVERHEAD ELECTRIC (# OF LINES)
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PLTR	PLANTER
PORT	PORTABLE
PS	PARKING STRIPE
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
RD	ROOF DRAIN
SAS	SANITARY SEWER
SAS/PM	SANITARY SEWER CLEANOUT
SB	SPEED BUMP
SCB	SPRINKLER CONTROL BOX
SGP	STEEL GUARD POST
SHR	STEEL HANDRAIL
SI	STORM INLET
STD	STANDARD
SW	SIDEWALK
SWC	SIDEWALK CULVERT
TA	TOP OF ASPHALT
TC	TOP OF CURB
TCO	TOP OF CONCRETE
TS	TOP OF GRADE
TS	TRAFFIC SIDEWALK
TYP	TYPICAL
UG	UNDERGROUND
UPP	UTILITY PAVING PATCH
VCP	VITRIFIED CLAY PIPE
VG	VALLEY GUTTER
WCR	WHEELCHAIR RAMP
WF	WATER FAUCET
WHB	WATER HOTBOX
WL	WATERLINE
WL/PM	WATERLINE BY PAINT MARK
WMB	WATER METER BOX
WPP	WOOD POWER POLE
WVB	WATER VALVE BOX
*	UTILITY MARKER

DESIGN LEGEND

	PROPOSED CONCRETE
	PROPOSED ASPHALT PAVING

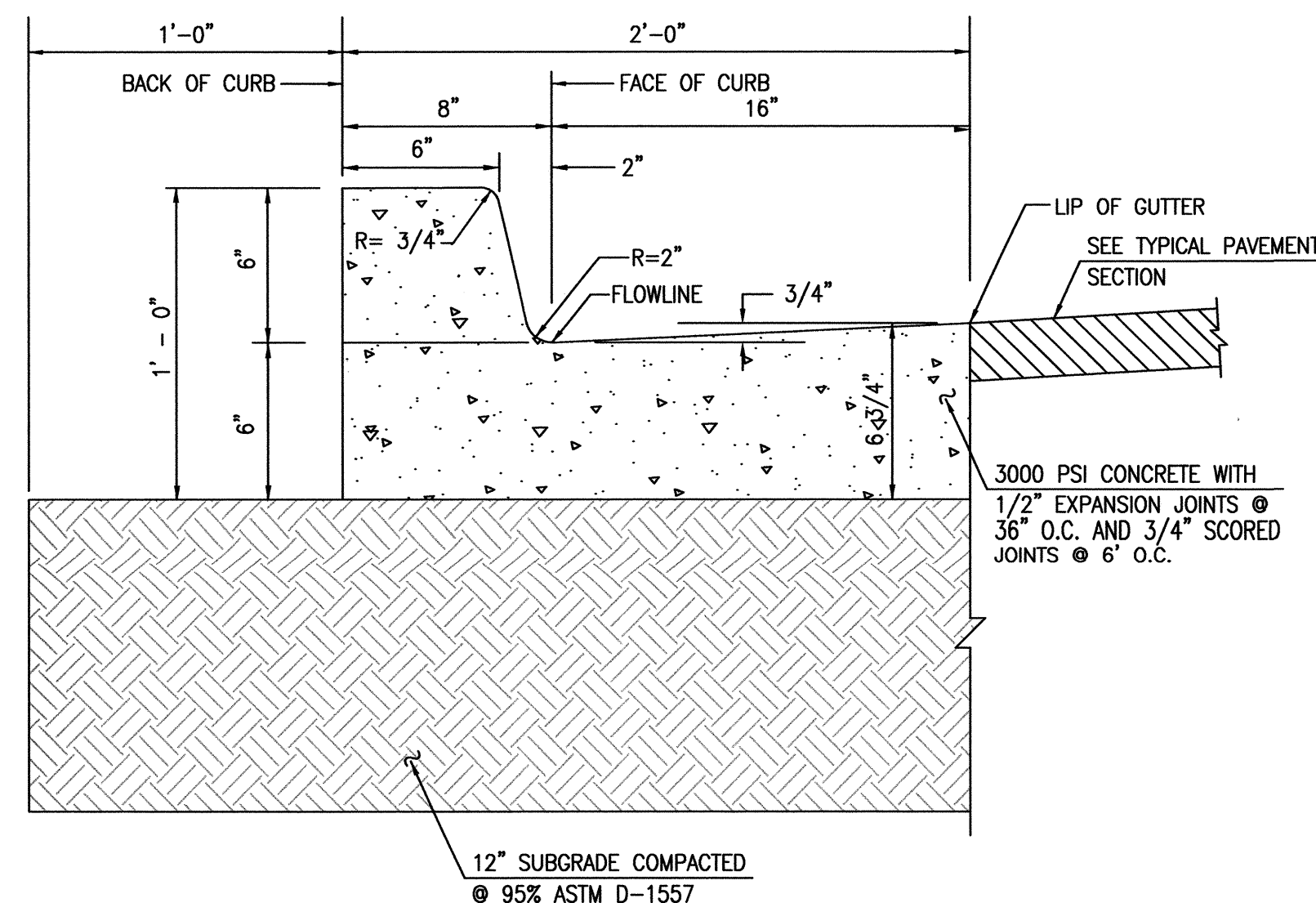


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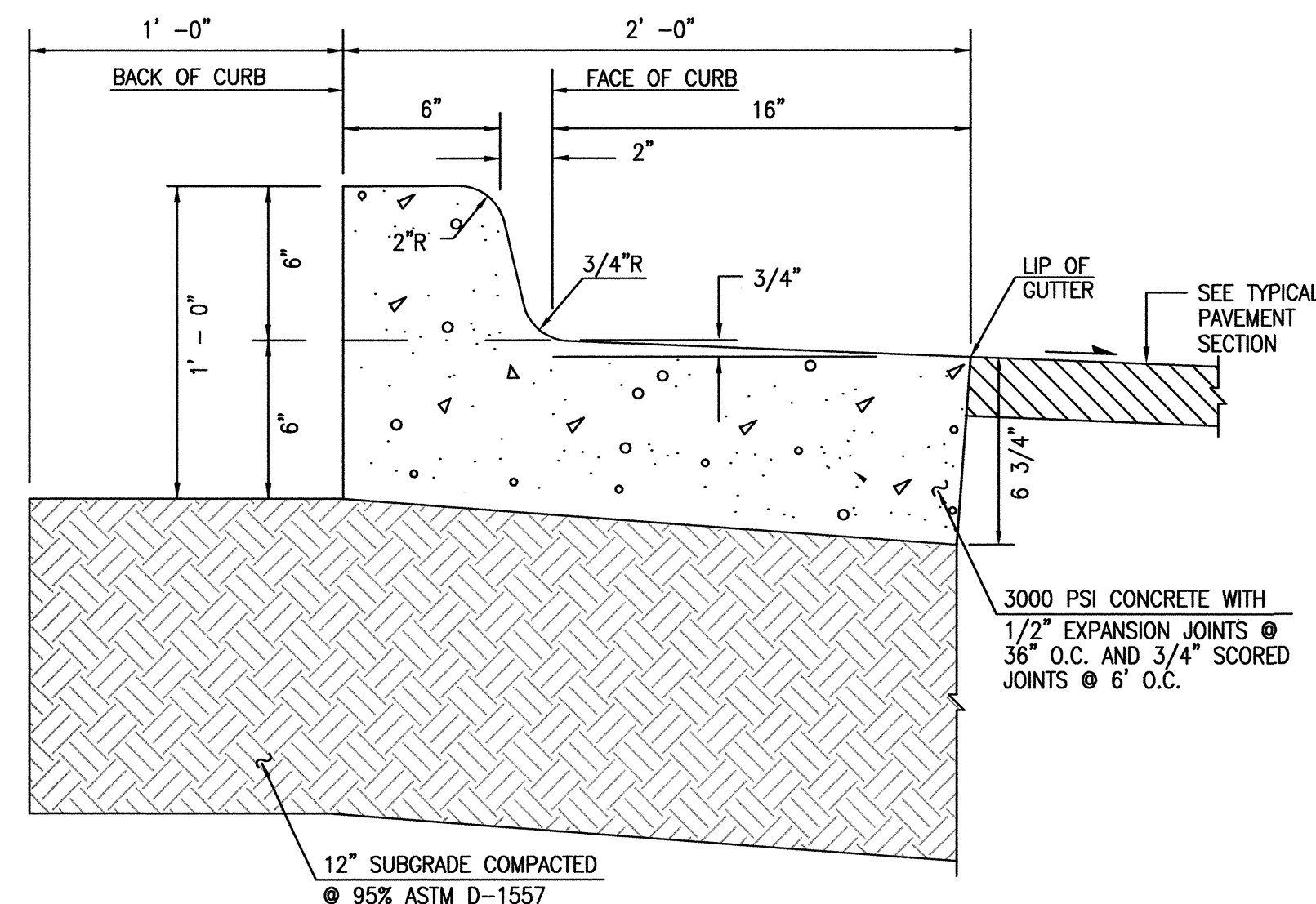
PAVING AND LAYOUT PLAN
P.A.P.A. CHARTER SCHOOL AT
BEL AIR ELEMENTARY SCHOOL
3000 ADAMS NE

DESIGNED BY	J.G.M.	NO.	DATE	BY	REVISIONS	JOB NO.
DRAWN BY	J.Y.R./E.J.S.	1	02/12	B.E.E.	RECORD DRAWING AND CERTIFICATION	2011.180.2
APPROVED BY	J.G.M.					DATE
						08-2011
						SHEET
						3 OF 11



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

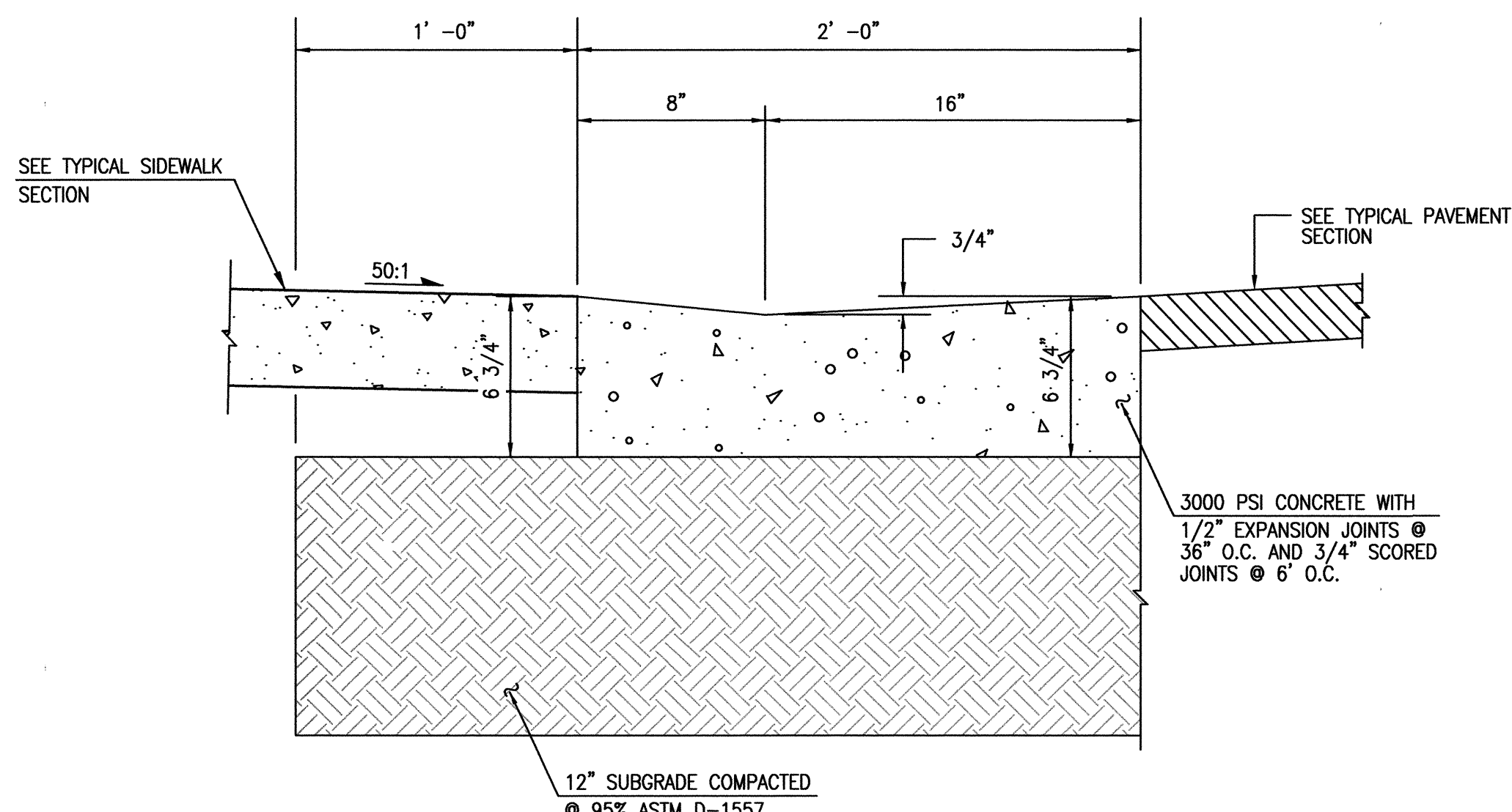
D1 TYPICAL SIX-INCH CURB & GUTTER
SCALE: 1" = 0'-6"



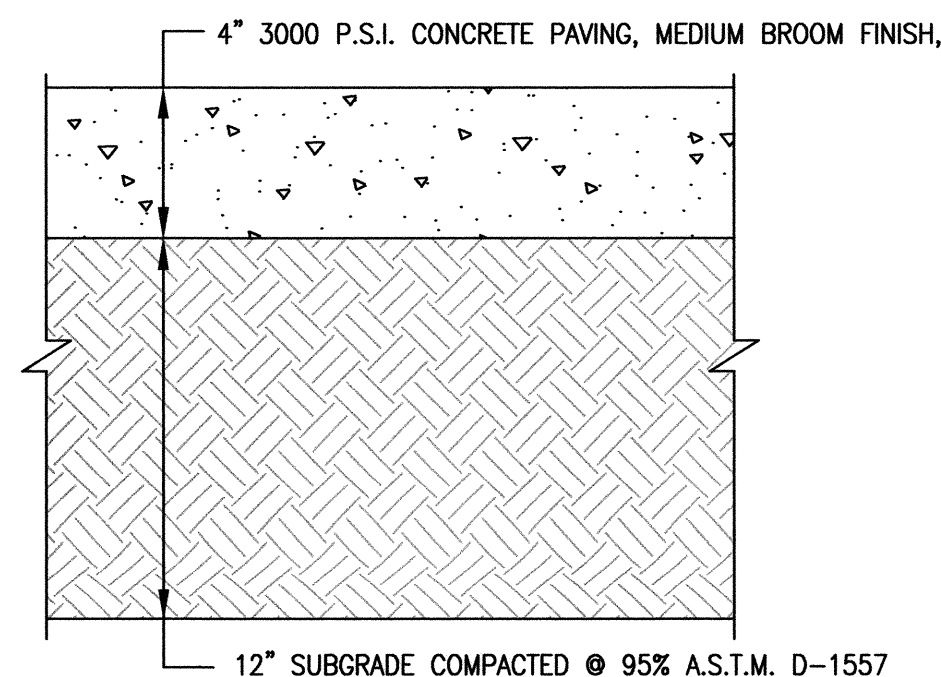
C3 TYPICAL 6" CONCRETE PAVEMENT SECTION
SCALE: 1" = 6"

C1 SIX-INCH DEPRESSED CURB AND GUTTER
SCALE: 1" = 0'-6"

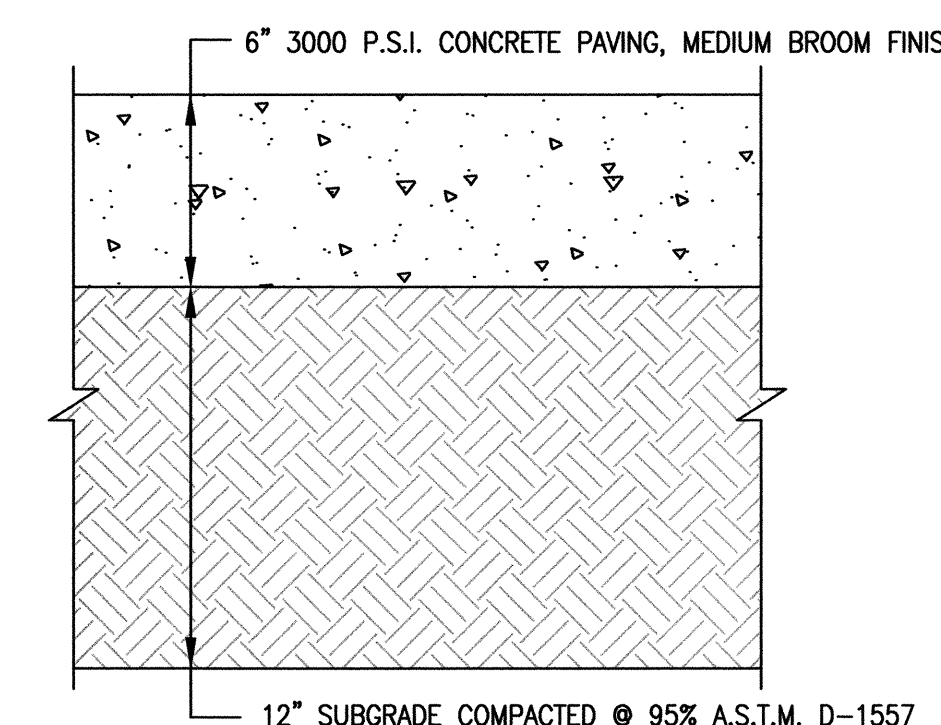
NOTE: USE THIS SECTION FOR CASES WHERE PAVING SLOPES AWAY FROM FACE OF CURB



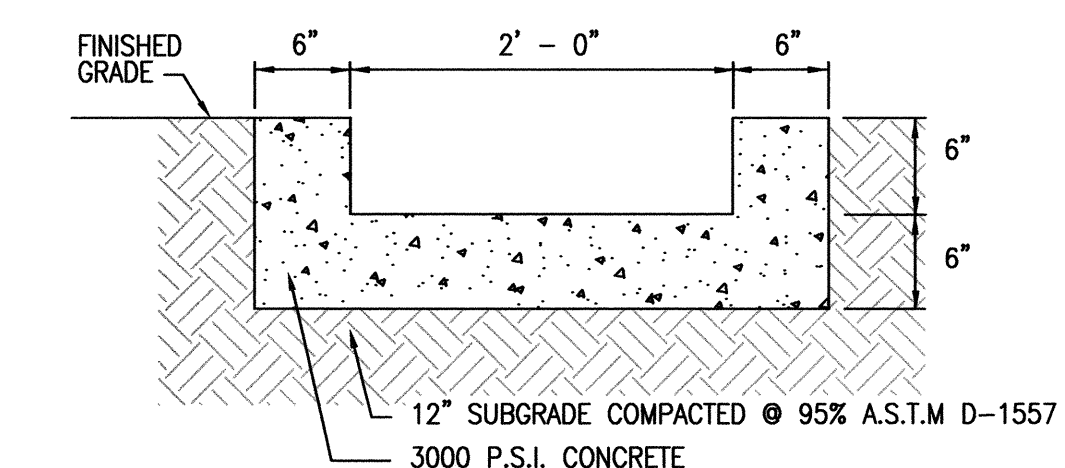
A1 TYPICAL CURB & GUTTER AT ACCESS RAMP
SCALE: 1" = 0'-6"



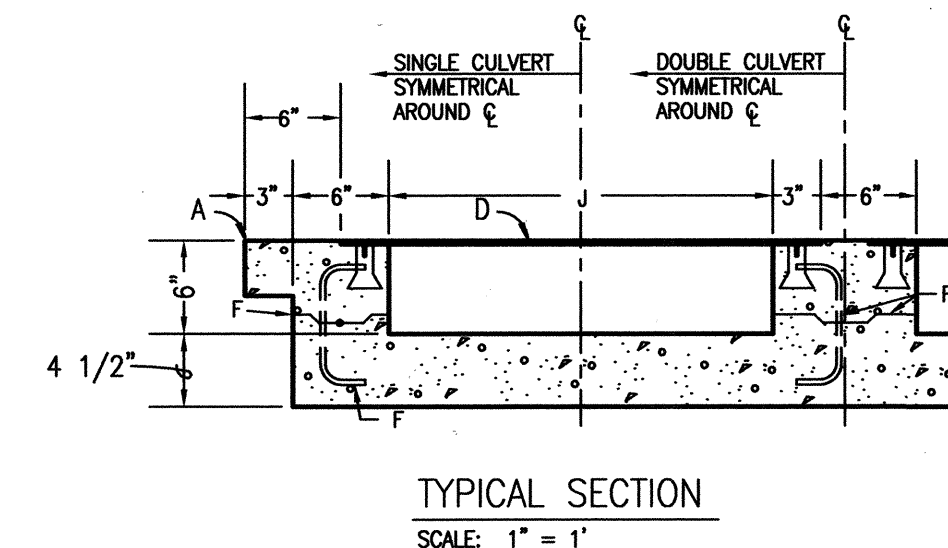
D3 TYPICAL 4" CONCRETE SIDEWALK SECTION
SCALE: 1" = 6"



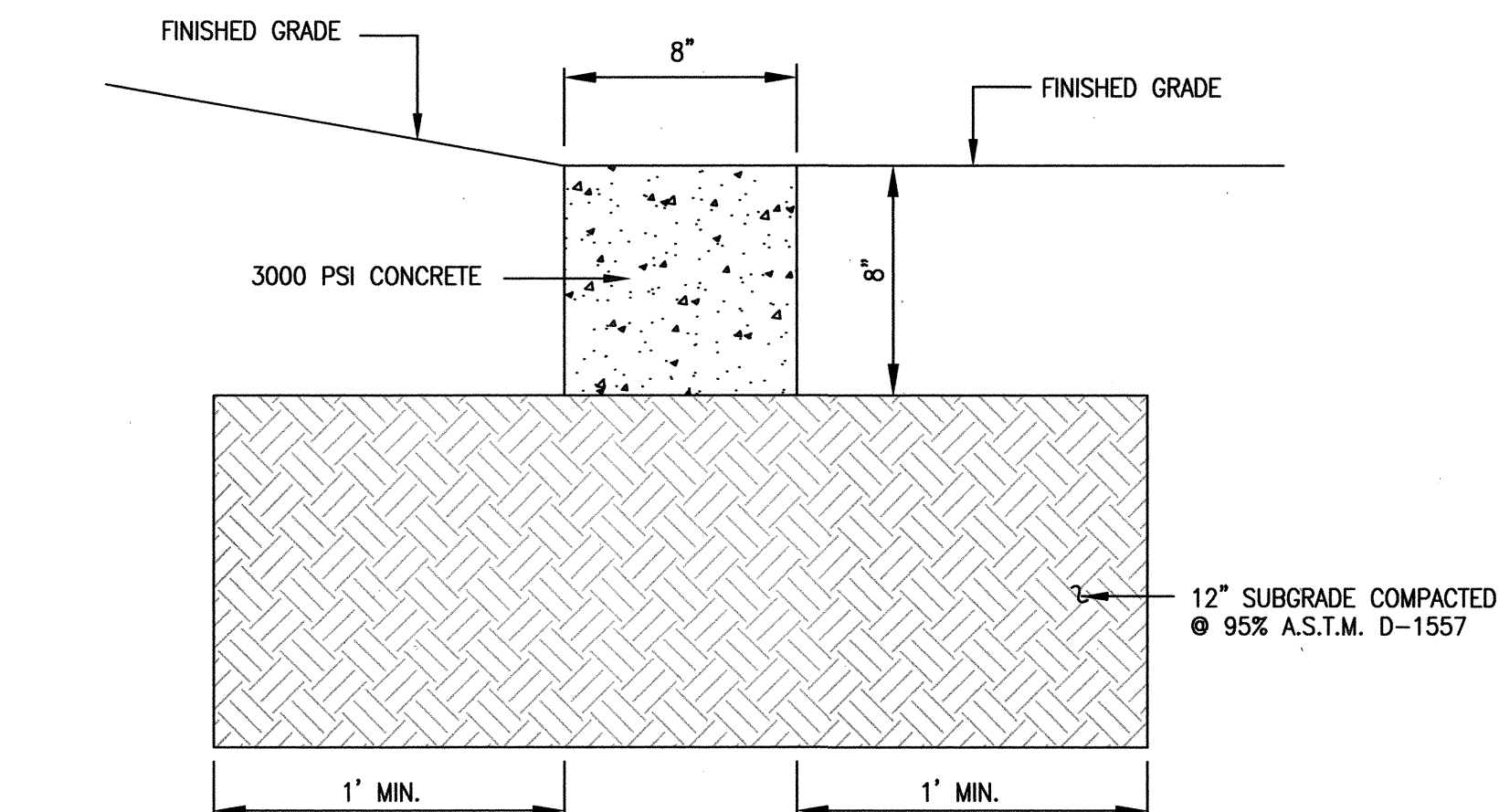
C3 TYPICAL 6" CONCRETE PAVEMENT SECTION
SCALE: 1" = 6"



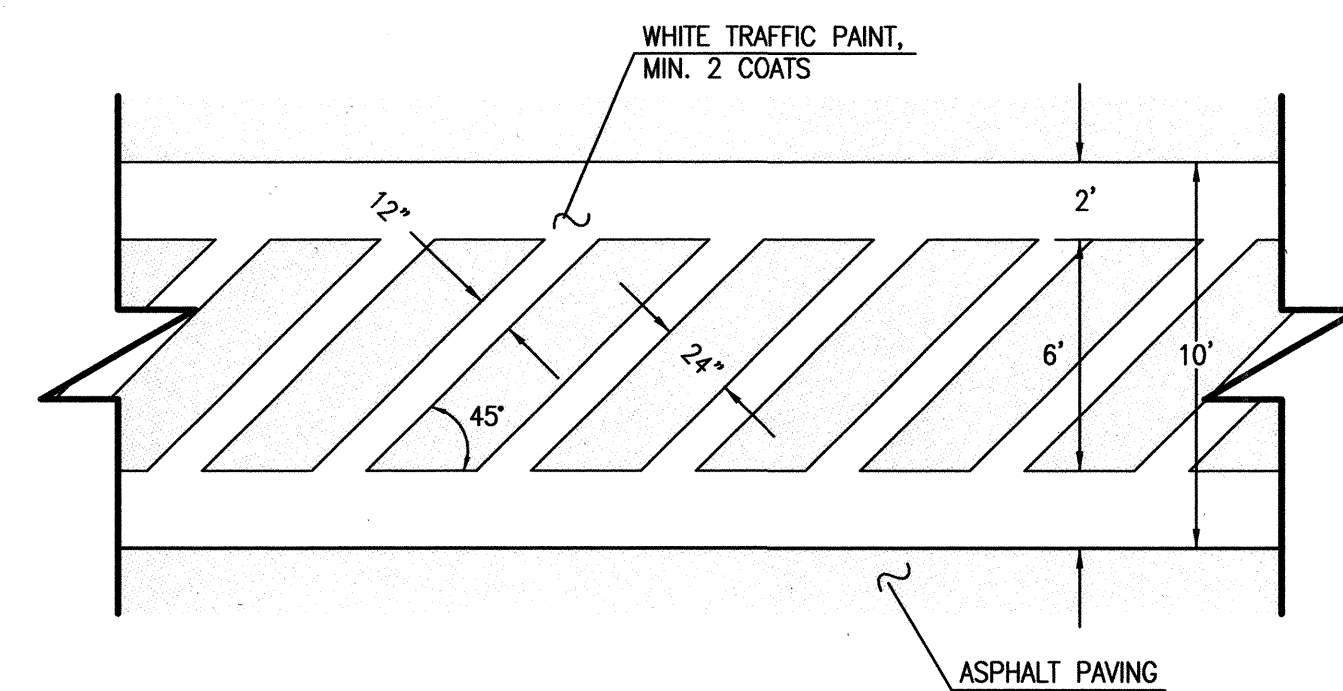
B3 TYPICAL RUNDOWN SECTION
SCALE: 1" = 1' - 0"



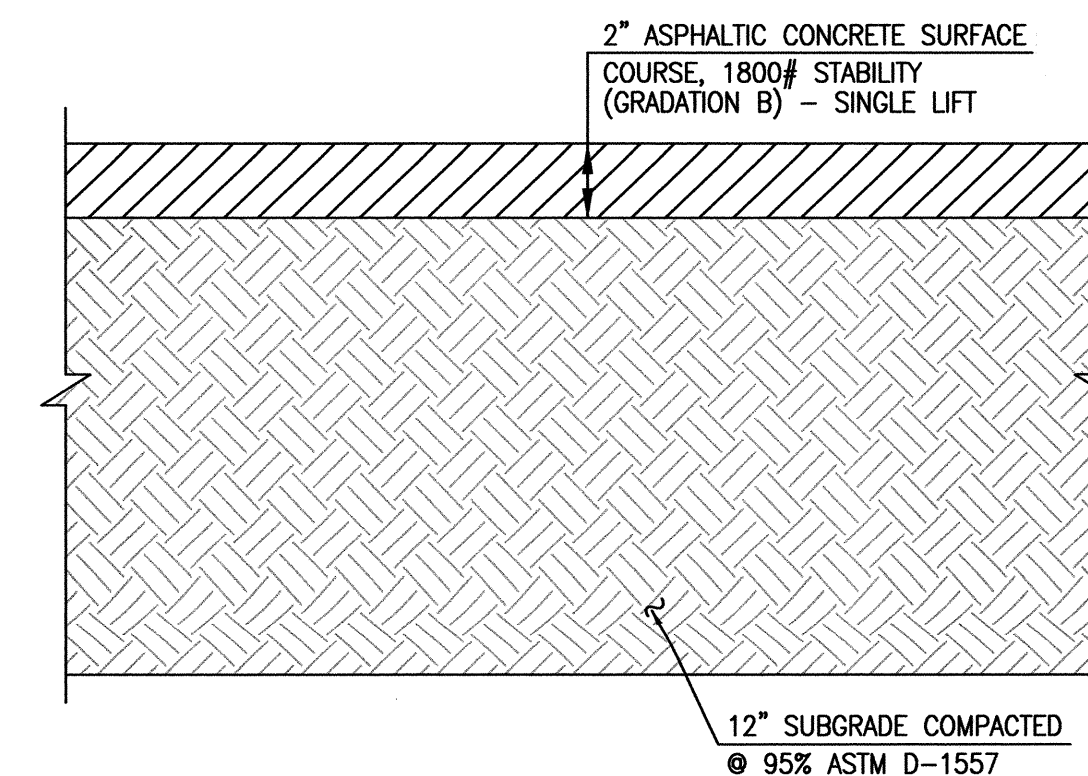
D4 TYPICAL SIDEWALK CULVERT SECTIONS AND DETAILS
SCALE: 1" = 1'



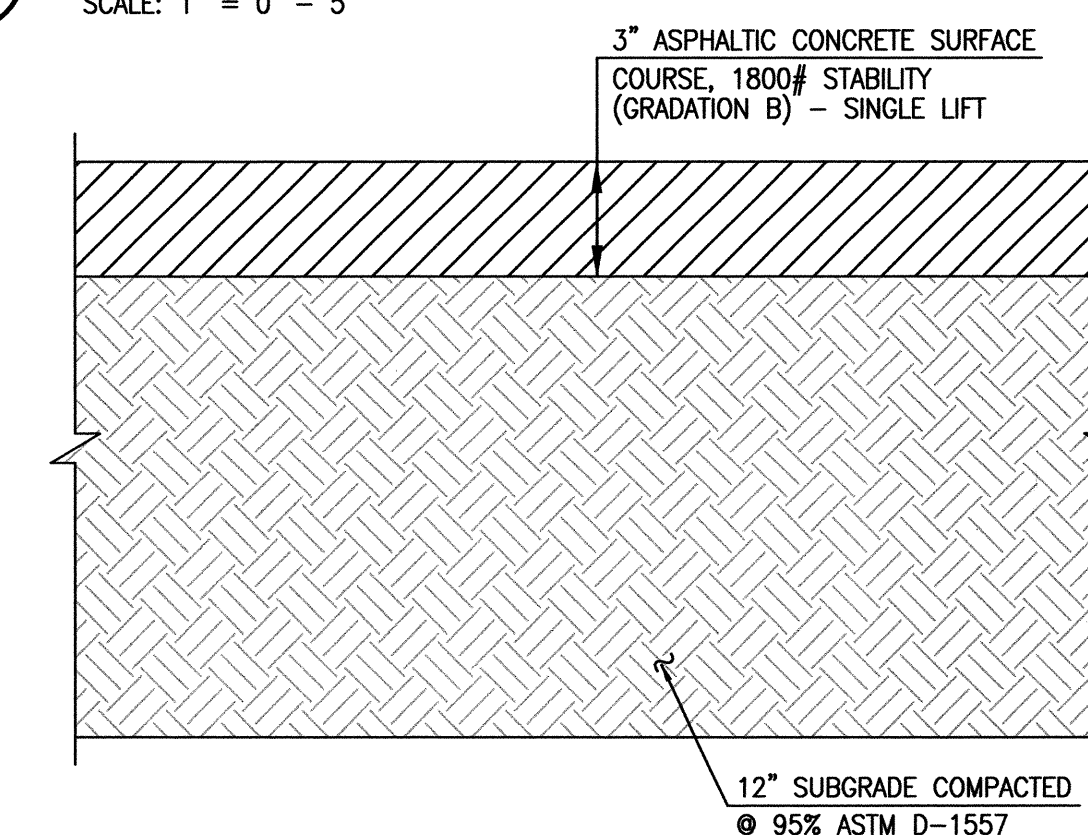
C4 SECTION D-D (MOW CURB)
SCALE: 1" = 0'-6"



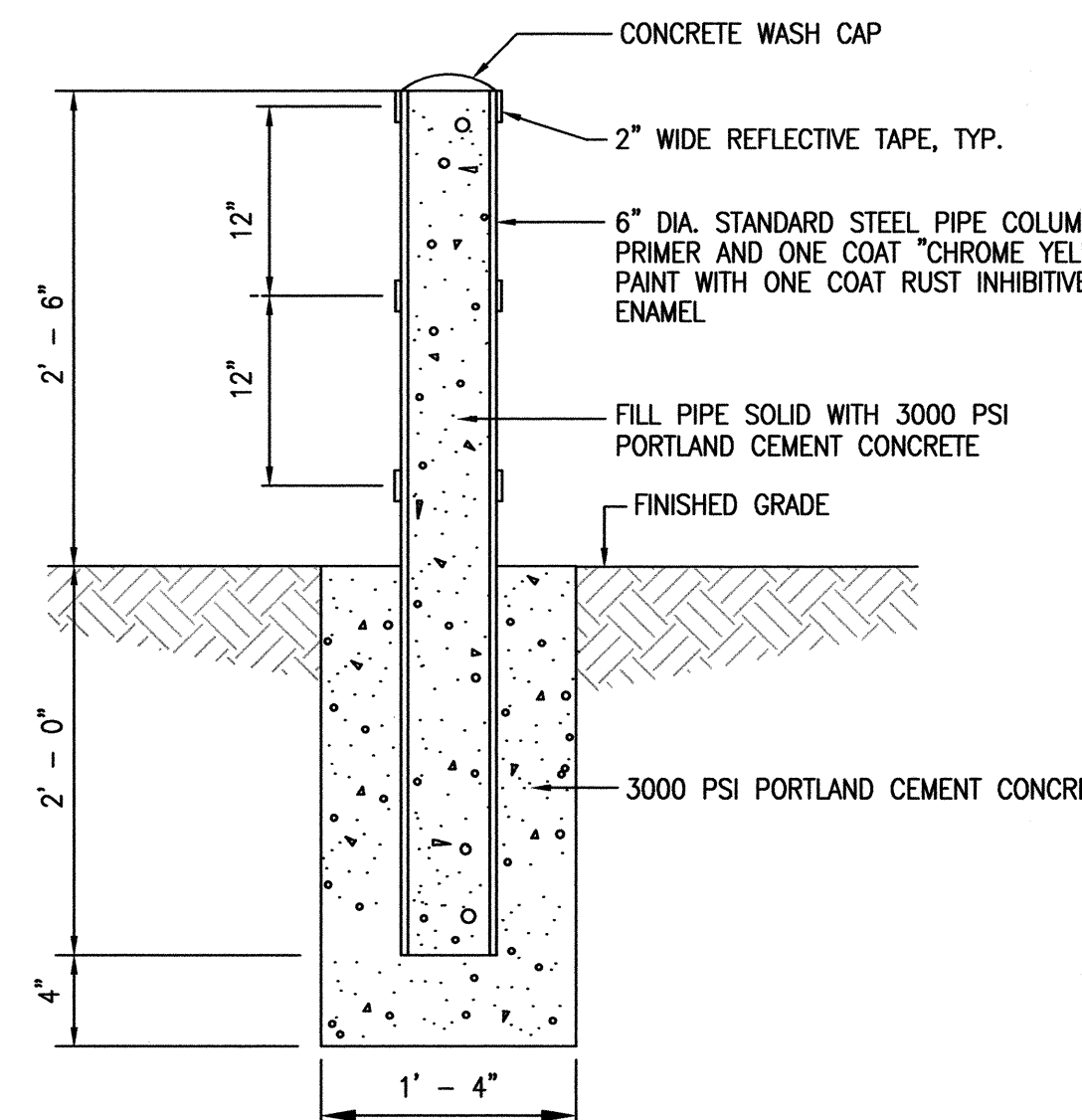
B4 TYPICAL CROSSWALK DETAIL
SCALE: 1" = 5'



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



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



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



RECORD DRAWING

09-02-2011
03-22-2012
J. FREY & MORTENSON
REGISTERED PROFESSIONAL ENGINEERS
NEW MEXICO
8547

DESIGNED BY	DATE	BY	JOB NO.
J.G.M.	02/12	B.E.E.	2011.180.2
DRAWN BY	DATE	BY	DATE
J.Y.R./E.J.S.			08-2011
APPROVED BY	DATE	BY	SHEET
J.G.M.			4 OF 11

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**PAVING SECTIONS AND DETAILS
P.A.P.A. CHARTER SCHOOL AT
BEL AIR ELEMENTARY SCHOOL
3000 ADAMS NE**

File Path: P:\DATA\2011\1802\BMS\RECORD\ Plot Date: 02-23-2012
File Name: 111802_SHA4B.DWG Plot Time: 12:58 pm

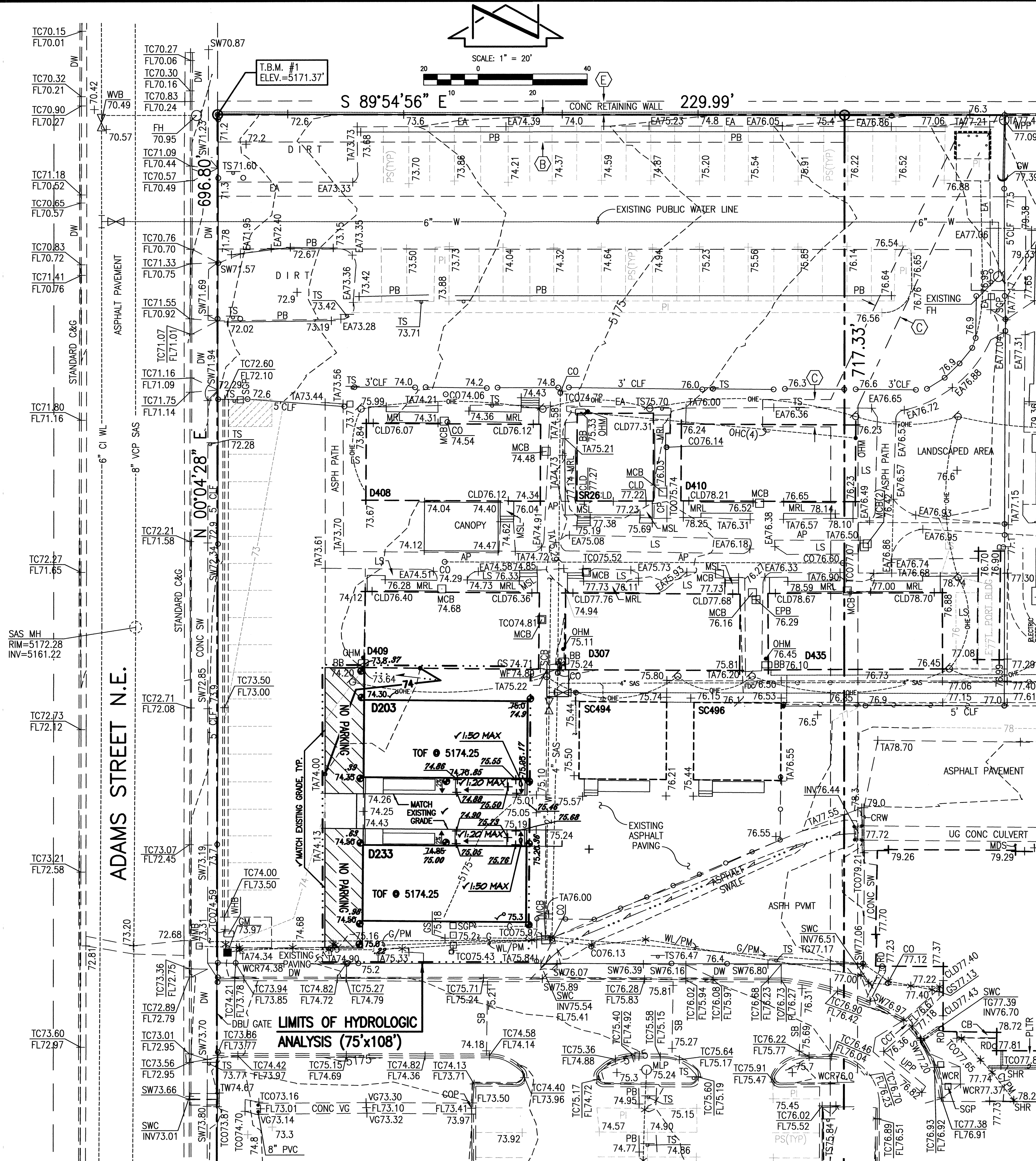
File Path: P:\DATA\2011\1182\DWG\RECORD.dwg Plot Date: 02-23-2012
File Name: 111802-SHA548.DWG Plot Time: 3:00 pm

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GRADING PLAN
P.A.P.A. CHARTER SCHOOL AT
BEL AIR ELEMENTARY SCHOOL
3000 ADAMS NE

DESIGNED BY	J.G.M.	NO.	DATE	BY	REVISIONS	JOB NO.
DRAWN BY	J.Y.R./E.J.S.	02/12	B.E.E.	RECORD DRAWING AND CERTIFICATION		2011.180.2
APPROVED BY	J.G.M.					DATE
						08-2011
						SHEET
						5 OF 11



DESIGN GRADING LEGEND:

+76.88	EXISTING ELEVATION FROM PRIOR SURVEY
+76.73	EXISTING SPOT ELEVATION FROM RECORD DATA
75.20	PROPOSED SPOT ELEVATION
---	EXISTING FLOWLINE
---	PROPOSED FLOWLINE
---	EXISTING CONTOUR
---	PROPOSED CONTOUR
---	EXISTING DIRECTION OF FLOW
---	PROPOSED DIRECTION OF FLOW
---	HIGH POINT / DIVIDE
---	PROPOSED CONCRETE
---	PROPOSED ASPHALT PAVING

BENCHMARKS

PROJECT BENCHMARK

ACS BENCHMARK 9-G17, "C" CUT CHISELED ON TOP OF CONCRETE CURB AT THE WNW CURB RETURN LOCATED IN THE NORTHWEST QUADRANT OF THE INTERSECTION OF CANDELARIA ROAD N.E. AND SAN MATEO BOULEVARD N.E.
ELEVATION = 5204.30 FEET (NGVD 29)

T.B.M. #1

A REBAR WITH CAP STAMPED "LS 7719" TAGGED WITH WASHER STAMPED "NMPS 11184", AT THE NORTHWEST CORNER OF THE PROPERTY, AS SHOWN ON THIS SHEET.
ELEVATION = 5171.37 FEET (NGVD 29)

SURVEY NOTE

THIS IS NOT A BOUNDARY SURVEY. DATA IS SHOWN FOR ORIENTATION ONLY. THE BOUNDARY INFORMATION DEPICTED BY THIS PLAN IS BASED UPON THE BOUNDARY SURVEY PREPARED BY HIGH MESA CONSULTING GROUP, NMPS NO. 11184, DATED 4/16/2007, (JOB NO. 2006.184.4). EXISTING INFORMATION IS BASED UPON RECORD DRAWING PREPARED BY HIGH MESA CONSULTING GROUP, NMPE NO. 8547, DATED 10-16-2009, (JOB NO. 2008.191.6).

EXISTING LEGEND:

SEE SHEET 2.

CONSTRUCTION NOTES:

- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM 260-1990 (ALBUQUERQUE AREA), 1-800-321-ALERT(2537) (STATEWIDE), FOR LOCATION OF EXISTING UTILITIES AND ALBUQUERQUE PUBLIC SCHOOLS OR THEIR DESIGNATED SUBSURFACE UTILITY CONSULTANT FOR APS-OWNED 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.
- 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 FLOODING ADJACENT TO THE STRUCTURE. FOR CONSTRUCTION DETAILS, REFER TO LANDSCAPING PLAN.

EROSION CONTROL MEASURES:

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

LEGAL DESCRIPTION

SEE SHEET 2.

EASEMENT KEYED NOTES

SEE SHEET 2.

RECORD DRAWING
FOR CERTIFICATION, SEE SHEET 1

△	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)	
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



DRAINAGE PLAN

I. INTRODUCTION AND EXECUTIVE SUMMARY

THIS PROJECT, GENERALLY LOCATED AT THE NORTHEAST CORNER OF CANDELARIA ROAD NE AND ADAMS STREET NE, REPRESENTS A MODIFICATION TO AN EXISTING SITE WITHIN AN INFILL AREA. THE PROPOSED IMPROVEMENTS CONSIST OF ADDING TWO DOUBLE PORTABLE CLASSROOM BUILDINGS TO THE EXISTING P.A.P.A. CHARTER SCHOOL CAMPUS AT THE NORTHWEST CORNER OF THE BEL-AIR ELEMENTARY SCHOOL SITE. THE PROPOSED DRAINAGE CONCEPT IS TO CONTINUE THE FREE DISCHARGE OF RUNOFF FROM THIS PORTION OF THE SITE, BASIN 7, TO ADAMS STREET NE. THIS SUBMITTAL IS MADE IN SUPPORT OF FOUNDATION, GRADING AND PAVING PERMITS WITHIN THE JURISDICTION OF THE CITY OF ALBUQUERQUE.

II. PROJECT DESCRIPTION

AS SHOWN BY THE VICINITY MAP, THIS PROJECT SITE IS LOCATED AT THE NORTHWEST CORNER OF THE BEL-AIR ELEMENTARY SCHOOL SITE AND COMPRISES A PORTION OF THE P.A.P.A. CHARTER SCHOOL CAMPUS. THE CURRENT LEGAL DESCRIPTION IS TRACTS H AND J, BEL-AIR ELEMENTARY SCHOOL, ALBUQUERQUE, NEW MEXICO, AS SHOWN BY PANELS 351 & 352 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. A PORTION OF THE OVERALL SCHOOL SITE DRAINS TO THE DESIGNATED FLOOD HAZARD (AO) ZONE CONTAINED WITHIN CANDELARIA ROAD NE. THIS PROJECT, HOWEVER, WILL NOT CONTRIBUTE RUNOFF TO THE FLOOD HAZARD ZONE AND INSTEAD DISCHARGES TO ADAMS STREET, FLOWING NORTH TO ULTIMATELY ENTER THE HAHN ARROYO WHERE CAPACITY IS NOT AN ISSUE.

III. BACKGROUND DOCUMENTS AND RESEARCH

THE PREPARATION OF THIS SUBMITTAL RELIED UPON THE FOLLOWING DOCUMENT:

- DRAINAGE SUBMITTAL FOR THE P.A.P.A. CHARTER SCHOOL AT BEL-AIR ELEMENTARY SCHOOL PREPARED BY HIGH MESA CONSULTING GROUP, NMPS NO. 8547, DATED 10-16-2009 AND CERTIFIED 12-09-2009. THE SUBMITTAL PROVIDES THE BASIS FOR THE EXISTING CONDITION FOR THIS PORTION OF THE P.A.P.A. CHARTER SCHOOL CAMPUS. IN ADDITION, THE 2009 SUBMITTAL IDENTIFIED THAT THE PROPOSED IMPROVEMENTS LIE WITHIN BASIN 7 ON THE CHARTER SCHOOL CAMPUS. BASIN 7 IS ALLOWED FREE DISCHARGE TO ADAMS STREET NE; FROM THIS POINT THE RUNOFF FLOWS NORTH TO ULTIMATELY OUTFALL TO THE HAHN ARROYO.

IV. EXISTING CONDITIONS

THIS PROJECT SITE IS LOCATED ON THE P.A.P.A. CHARTER SCHOOL CAMPUS AT THE NORTHWEST CORNER OF THE BEL-AIR ELEMENTARY SCHOOL SITE. THE PROJECT LIES ENTIRELY WITHIN BASIN 7 CONFIRMED BY THE 2009 DRAINAGE SUBMITTAL. THIS PORTION OF THE SITE CONSISTS PRIMARILY OF BARE GROUND COVER, WITH A PAVED ACCESS WALKWAY. RUNOFF GENERATED BY THE PROJECT SITE DRAINS FROM EAST TO WEST, DISCHARGING ONTO THE ADJACENT PAVED PARKING LOT. FROM THIS POINT, THE RUNOFF FLOWS NORTH ALONG THE PARKING LOT CURB AND GUTTER TO FREE DISCHARGE TO ADAMS STREET NE VIA EXISTING DRIVEPAD. RUNOFF THEN FLOWS NORTH WITHIN ADAMS STREET NE, A FULLY DEVELOPED PUBLIC STREET WITH CURB AND GUTTER AND ASPHALT PAVEMENT, TO ULTIMATELY DISCHARGE TO THE HAHN ARROYO, A PUBLIC DRAINAGE CHANNEL.

OFFSITE FLOWS DO NOT ENTER THE PROJECT SITE, AS CONFIRMED BY THE 2009 DRAINAGE SUBMITTAL. ONSITE RUNOFF FROM SCHOOL IMPROVEMENTS UPSTREAM SURFACE DRAIN ACROSS THE PROJECT SITE TO FREE DISCHARGE INTO ADAMS STREET NE AND ULTIMATELY OUTFALL TO THE HAHN ARROYO.

V. DEVELOPED CONDITIONS

PROPOSED IMPROVEMENTS WITHIN THE PROJECT SITE CONSIST OF THE ADDITION OF TWO (2) DOUBLE PORTABLE CLASSROOM BUILDINGS ALONG WITH ADDITIONAL ASPHALT PAVING WITHIN BASIN 7. RUNOFF GENERATED BY THE NEW IMPROVEMENTS WILL CONTINUE TO DRAIN FROM EAST TO WEST, DISCHARGING ONTO THE EXISTING PARKING LOT. RUNOFF PROCEEDS TO FLOW NORTH ALONG THE EXISTING PARKING LOT CURB AND GUTTER TO FREE DISCHARGE INTO ADAMS STREET NE VIA EXISTING DRIVEPAD. FROM THIS POINT, THE RUNOFF FLOWS TO HAHN ARROYO AS DESCRIBED ABOVE.

THERE WILL BE A MINOR INCREASE IN IMPERVIOUS AREA DUE TO THE PROPOSED IMPROVEMENTS, RESULTING IN A MINOR INCREASE IN PEAK RATE OF DISCHARGE AND VOLUME OF RUNOFF FROM THE PROJECT SITE.

VI. GRADING PLAN

THE GRADING PLAN SHOWS 1.) EXISTING GRADES INDICATED BY SPOT ELEVATIONS AND CONTOURS AT 1'0" INTERVALS AS TAKEN FROM THE DRAINAGE CERTIFICATION DATED 12-09-2009, 2) PROPOSED GRADES INDICATED BY SPOT ELEVATIONS AND CONTOURS AT 1'-0" INTERVALS, 3) THE LIMIT AND CHARACTER OF EXISTING AND PROPOSED IMPROVEMENTS, AND 4) CONTINUITY BETWEEN EXISTING AND PROPOSED GRADES.

VII. CALCULATIONS

CALCULATIONS ANALYZING THE EXISTING AND DEVELOPED CONDITIONS FOR THE 100-YEAR, 6-HOUR RAINFALL EVENT HAVE BEEN PREPARED FOR THAT PORTION OF THE PROJECT SITE AFFECTED BY THE PROPOSED IMPROVEMENTS. 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 IMPROVEMENTS WILL RESULT IN A MINOR INCREASE IN PEAK RATE OF DISCHARGE AND VOLUME OF RUNOFF GENERATED BY THIS PROJECT.

VIII. CONCLUSIONS

THE FOLLOWING CONCLUSIONS ARE PRESENTED AS A RESULT OF THE EVALUATIONS AND ANALYSES CONTAINED HEREIN:

- THE IMPROVEMENTS PROPOSED HEREIN REPRESENT MODIFICATIONS TO AN EXISTING SITE WITHIN AN INFILL AREA.
- THE PROJECT SITE LIES WITHIN BASIN 7 CONFIRMED BY THE 2009 DRAINAGE SUBMITTAL.
- BASIN 7 IS ALLOWED FREE DISCHARGE IN ACCORDANCE WITH THE 2009 DRAINAGE SUBMITTAL.
- THE PROPOSED IMPROVEMENTS WILL MAINTAIN THE EXISTING DRAINAGE PATTERNS OF THIS PORTION OF THE SITE.
- A MINOR INCREASE IN THE PEAK RATE OF DISCHARGE AND VOLUME OF RUNOFF GENERATED BY THE PROJECT SITE IS EXPECTED AS A RESULT OF THE PROPOSED IMPROVEMENTS.
- THE PROPOSED IMPROVEMENTS DO NOT LIE WITHIN A DESIGNATED FLOOD HAZARD ZONE AND WILL NOT IMPACT THE DESIGNATED FLOOD HAZARD ZONE WITHIN CANDELARIA ROAD NE.
- THE PROPOSED IMPROVEMENTS WILL NOT ADVERSELY IMPACT DOWNSTREAM PROPERTIES OR DOWNSTREAM DRAINAGE CONDITIONS.

CALCULATIONS

I. SITE CHARACTERISTICS

- A. PRECIPITATION ZONE = 2
- B. $P_{100, 6 \text{ HR}} = P_{360} = 2.35$
- C. TOTAL PROJECT AREA (A_T) = 8,100 SF
0.19 AC

D. LAND TREATMENTS

1. EXISTING LAND TREATMENT

TREATMENT	AREA (SF/AC)	%
C	7,150 / 0.17	89
D	950 / 0.02	11

2. DEVELOPED LAND TREATMENT

TREATMENT	AREA (SF/AC)	%
C	1,720 / 0.04	21
D	6,380 / 0.15	79

II. HYDROLOGY

A. EXISTING CONDITION

1. VOLUME

$$E_w = (E_A A_A + E_B A_B + E_C A_C + E_D A_D) / A_T$$
$$E_w = (0.53 \times 0.00) + (0.78 \times 0.00) + (1.13 \times 0.17) + (2.12 \times 0.02) / 0.19 = 1.23 \text{ IN}$$
$$V_{100, 6 \text{ HR}} = (E_w / 12) A_T = (1.23 / 12) 0.19 = 0.0195 \text{ AC-FT} = 850 \text{ CF}$$

2. PEAK DISCHARGE

$$Q_p = Q_{pA} A_A + Q_{pB} A_B + Q_{pC} A_C + Q_{pD} A_D$$
$$Q_p = Q_{100} = (1.56 \times 0.00) + (2.28 \times 0.00) + (3.14 \times 0.17) + (4.70 \times 0.02) = 0.6 \text{ CFS}$$

B. DEVELOPED CONDITION

1. VOLUME

$$E_w = (E_A A_A + E_B A_B + E_C A_C + E_D A_D) / A_T$$
$$E_w = (0.53 \times 0.00) + (0.78 \times 0.00) + (1.13 \times 0.04) + (2.12 \times 0.15) / 0.19 = 1.91 \text{ IN}$$
$$V_{100, 6 \text{ HR}} = (E_w / 12) A_T = (1.91 / 12) 0.19 = 0.0302 \text{ AC-FT} = 1,320 \text{ CF}$$

2. PEAK DISCHARGE

$$Q_p = Q_{pA} A_A + Q_{pB} A_B + Q_{pC} A_C + Q_{pD} A_D$$
$$Q_p = Q_{100} = (1.56 \times 0.00) + (2.28 \times 0.00) + (3.14 \times 0.04) + (4.70 \times 0.15) = 0.8 \text{ CFS}$$

C. COMPARISON

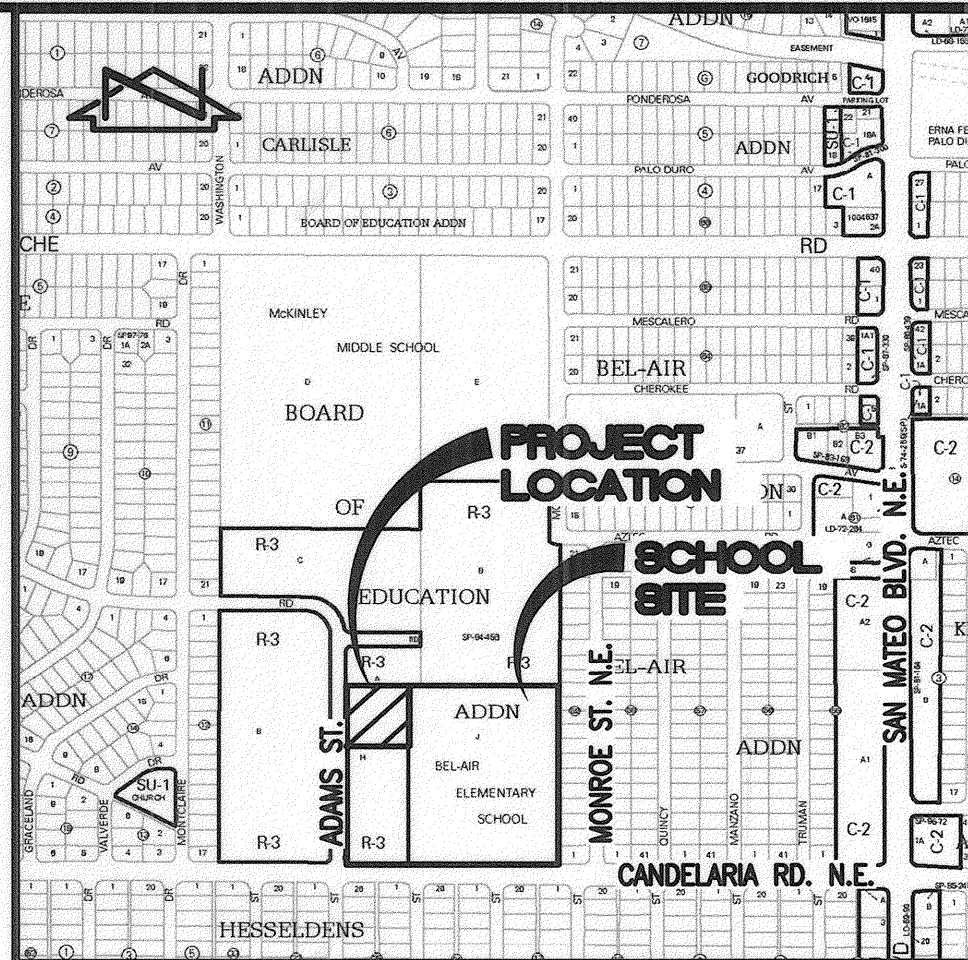
1. VOLUME	$\Delta V_{100, 6 \text{ HR}} = 1320 - 850 =$	470 CF	(INCREASE)
2. PEAK DISCHARGE	$\Delta Q_{100} = 0.8 - 0.6 =$	0.2 CFS	(INCREASE)

CONSTRUCTION NOTES:

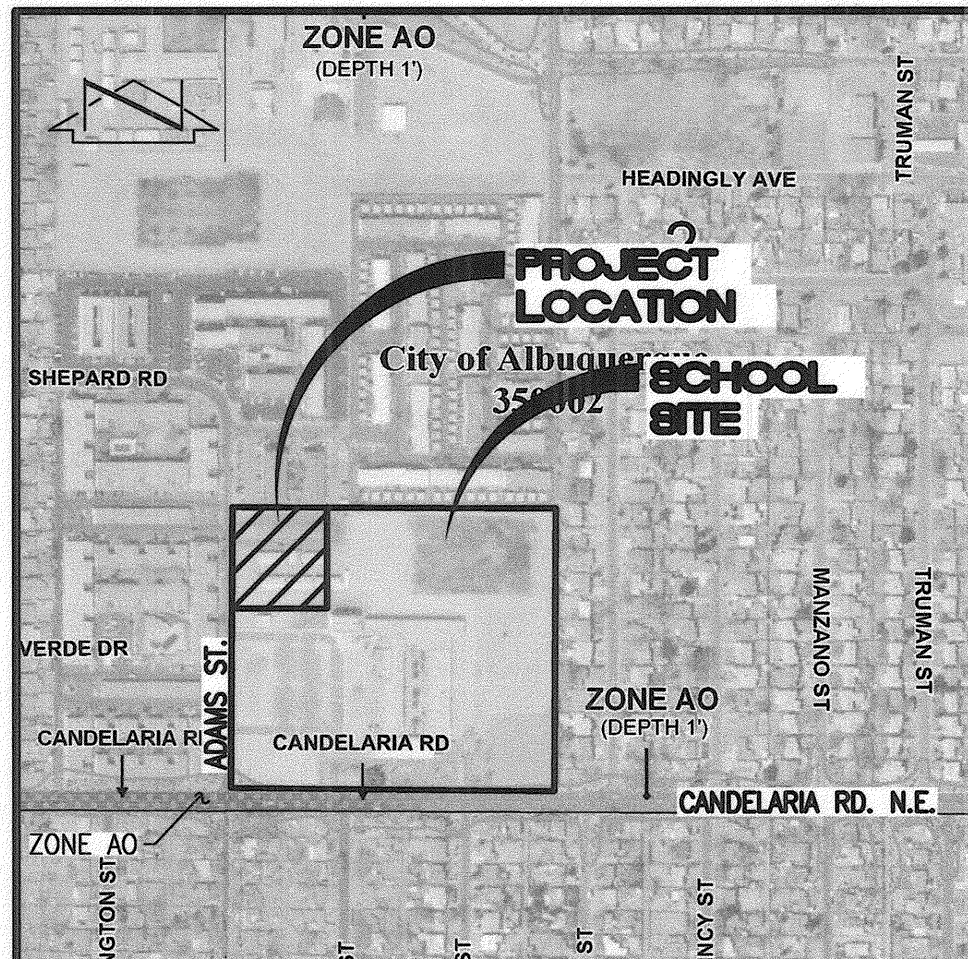
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM 260-1990 (ALBUQUERQUE AREA), 1-800-321-ALERT(2537) (STATEWIDE), FOR LOCATION OF EXISTING UTILITIES AND ALBUQUERQUE PUBLIC SCHOOLS OR THEIR DESIGNATED SUBSURFACE UTILITY CONSULTANT FOR APS-OWNED UTILITIES.
- 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.
- 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.

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'



F.I.R.M. PANEL 351 & 352
SCALE: 1" = 500'
OF 825
DATE: 9-26-2008

LEGAL DESCRIPTION

TRACTS H AND J, BEL AIR ELEMENTARY SCHOOL, ALBUQUERQUE, NEW MEXICO.

BENCHMARKS

PROJECT BENCHMARK

ACS BENCHMARK 9-G17, "C" CUT CHISELED ON TOP OF CONCRETE CURB AT THE WNW CURB RETURN LOCATED IN THE NORTHWEST QUADRANT OF THE INTERSECTION OF CANDELARIA ROAD N.E. AND SAN MATEO BOULEVARD N.E.
ELEVATION = 5204.30 FEET (NGVD 29)

T.B.M. #1

A REBAR WITH CAP STAMPED "LS 7719" TAGGED WITH WASHER STAMPED "NMPS 11184", AT THE NORTHWEST CORNER OF THE PROPERTY, AS SHOWN ON SHEET 2.
ELEVATION = 5171.37 FEET (NGVD 29)



RECORD DRAWING



DESIGNED BY	J.G.M.	NO.	DATE	BY	J.G.M.	JOB NO.	2011.180.2
DRAWN BY	J.Y.R./E.J.S.	02/12	B.E.E.	RECORD DRAWING		DATE	08-2011
APPROVED BY	J.G.M.					SHEET	6 OF 11

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

DRAINAGE PLAN AND CALCULATIONS
P.A.P.A. CHARTER SCHOOL AT
BEL AIR ELEMENTARY SCHOOL
3000 ADAMS NE

RECORD DRAWING
FOR CERTIFICATION, SEE SHEET 1

LEGAL DESCRIPTION

TRACTS H AND J, BEL AIR ELEMENTARY SCHOOL, ALBUQUERQUE, NEW MEXICO.

EASEMENT KEYED NOTES

EASEMENTS

- (A) 5' UTILITY EASEMENT GRANTED BY PLAT D2-120B
- (B) 10' PUBLIC WALK EASEMENT GRANTED BY PLAT D2-120B
- (C) APPROXIMATE LOCATION OF 10' UTILITY EASEMENT GRANTED BY PLAT D2-120B
- (D) 5' UTILITY EASEMENT GRANTED BY PLAT D1-39 - OFFSITE
- (E) 5' PUBLIC UTILITY EASEMENT GRANTED BY PLAT C25-149 - OFFSITE

BENCHMARKS

PROJECT BENCHMARK

ACS BENCHMARK 9-G17, "C" CUT CHISELED ON TOP OF CONCRETE CURB AT THE WNW CURB RETURN LOCATED IN THE NORTHWEST QUADRANT OF THE INTERSECTION OF CANDELARIA ROAD N.E. AND SAN MATEO BOULEVARD N.E.
ELEVATION = 5204.30 FEET (NGVD 29)

T.B.M. #1

A REBAR WITH CAP STAMPED "LS 7719" TAGGED WITH WASHER STAMPED "NMPS 11184", AT THE NORTHWEST CORNER OF THE PROPERTY, AS SHOWN ON THIS SHEET.
ELEVATION = 5171.37 FEET (NGVD 29)

SURVEY NOTE

THIS IS NOT A BOUNDARY SURVEY. DATA IS SHOWN FOR ORIENTATION ONLY. THE BOUNDARY INFORMATION DEPICTED BY THIS PLAN IS BASED UPON THE BOUNDARY SURVEY PREPARED BY HIGH MESA CONSULTING GROUP, NMPS NO. 11184, DATED 4/16/2007, (JOB NO. 2006.184.4). EXISTING INFORMATION IS BASED UPON RECORD DRAWING PREPARED BY HIGH MESA CONSULTING GROUP, NMPE NO. 8547, DATED 10-16-2009, (JOB NO. 2008.191.6).

PROJECT DESCRIPTION, CONSTRUCTION REQUIREMENTS AND KEYED NOTES

PROJECT DESCRIPTION, CONSTRUCTION REQUIREMENTS AND KEYED NOTES

I. PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF THE INSTALLATION OF TWO DOUBLE CLASSROOM PORTABLE BUILDINGS ON AN EXISTING CHARTER SCHOOL SITE TO ACCOMMODATE GROWTH. THE FOLLOWING INFORMATION IS PRESENTED TO FACILITATE THE REVIEW OF THIS PLAN SET:

- THE TWO PORTABLE CLASSROOM BUILDINGS WILL BE USED FOR CLASSROOM PURPOSES
- THE TWO PORTABLE CLASSROOM BUILDINGS WILL NOT BE USED FOR FOOD SERVICE
- EACH OF THE BUILDINGS WILL INCLUDE RESTROOM HOOK-UP IF THEY ARE EQUIPPED WITH RESTROOMS IN THE EXISTING CONDITION. RESTROOM HOOK-UP IS THEREFORE CONTINGENT UPON THE PRESENCE OF EXISTING RESTROOM.
- BOTH BUILDINGS REQUIRE EVAPORATIVE COOLER HOOK-UPS

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 CONTRACTOR SHALL INVENTORY EACH BUILDING TO DETERMINE IF THERE IS AN EXISTING RESTROOM OR SINK. FINDINGS SHALL BE REPORTED IN WRITING TO THE OWNER AND ENGINEER. THE OWNER SHALL THEN DETERMINE IF RESTROOM AND/OR SINK HOOK-UP IS NECESSARY.
- SANITARY SEWER CONSTRUCTION IS CONTINGENT UPON RESTROOM AND/OR SINK HOOKUP
- PRIOR TO CONSTRUCTION, THE UTILITY CONTRACTOR SHALL EXCAVATE AND VERIFY THE STATUS OF ALL EXISTING WATER VALVE BOX IMMEDIATELY NORTH OF PROPOSED D233.
- PRIOR TO CONSTRUCTION, THE UTILITY CONTRACTOR SHALL EXCAVATE AND VERIFY THE STATUS OF THE EXISTING WATER VALVE BOX IMMEDIATELY NORTH OF PROPOSED D233.
- BOTH BUILDINGS REQUIRE EVAPORATIVE COOLER HOOK-UPS
- 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 PLAN KEYED NOTES

- CONTRACTOR SHALL INVENTORY EACH BUILDING TO DETERMINE IF THERE IS AN EXISTING RESTROOM AND/OR SINK. FINDINGS SHALL BE REPORTED IN WRITING TO THE OWNER AND ENGINEER. THE OWNER SHALL THEN DETERMINE IF RESTROOM AND/OR SINK HOOK-UP IS NECESSARY.
- CONNECT TO EXISTING SAS LINE W/ 4" X 4" X 4" WYE
- INSTALL 4" SAS SERVICE LINE EXTENSION @ S = 0.0100 (MIN) OR 0.0200 (MAX)
- INSTALL 1" WYE AND SCO
- CONNECT NEW SAS SERVICE LINE TO EXISTING STUBOUT PER TYPICAL SAS CONNECTION DETAIL, SHEET 8
- NEATLY SAWCUT, REMOVE, DISPOSE AND REPLACE EXISTING ASPHALT PAVING PER TYPICAL SECTION, SHEET 8
- (NOT USED)
- (NOT USED)
- (NOT USED)
- INSTALL 1 - 2" X 2" X 1" TEE CONNECTION TO EXISTING 2" WATER SERVICE LINE; CONTRACTOR SHALL VERIFY LOCATION, SIZE AND DEPTH AND REPORT FINDINGS TO ENGINEER PRIOR TO CONNECTION
- INSTALL 1 - 1" WATER SERVICE LINE (AQUA FLEX)
- INSTALL 1 - 1" 90 DEG ELB (WATER)
- INSTALL 1 - VALVE CAN AND 1" WATER SERVICE CONNECTION PER TYPICAL, SHEET 8
- CONTRACTOR SHALL EXCAVATE AND VERIFY THE STATUS OF EXISTING WATER VALVE BOX; REROUTE AS NECESSARY
- REMOVED EXISTING M.L. TO AVOID CONFLICT W/ PORTABLE PAD
- 1" ISOLATION VALVE FOR CLASSROOM
- 1/2" ISOLATION VALVE FOR COOLERS
- HOSE BIB
- 1/2" GALVANIZED M.L. FOR COOLERS RUN TO ROOFTOPS
- 2"x2" TEE TO EXISTING WATER SERVICE
- CONNECT TO EXISTING GAS SERVICE
- INSTALL 1" HPG LINE
- INSTALL 1" HPG RISER W/ REGULATOR; CONNECT TO EXISTING LPG ON BOTTOM RAIL
- INSTALL 1" LPG LINE
- EXISTING LPG ON BOTTOM RAIL
- INSTALL 1" LPG RISER; CONNECT TO EXISTING LPG ON BOTTOM RAIL

DESIGN LEGEND

- EXISTING FIRE HYDRANT
- EXISTING GATE VALVE / VALVE BOX
- PROPOSED RISER WITH REGULATOR
- PROPOSED CLEANOUT
- PROPOSED CONCRETE
- PROPOSED ASPHALT PAVING

09.02.2011



03.22.2012

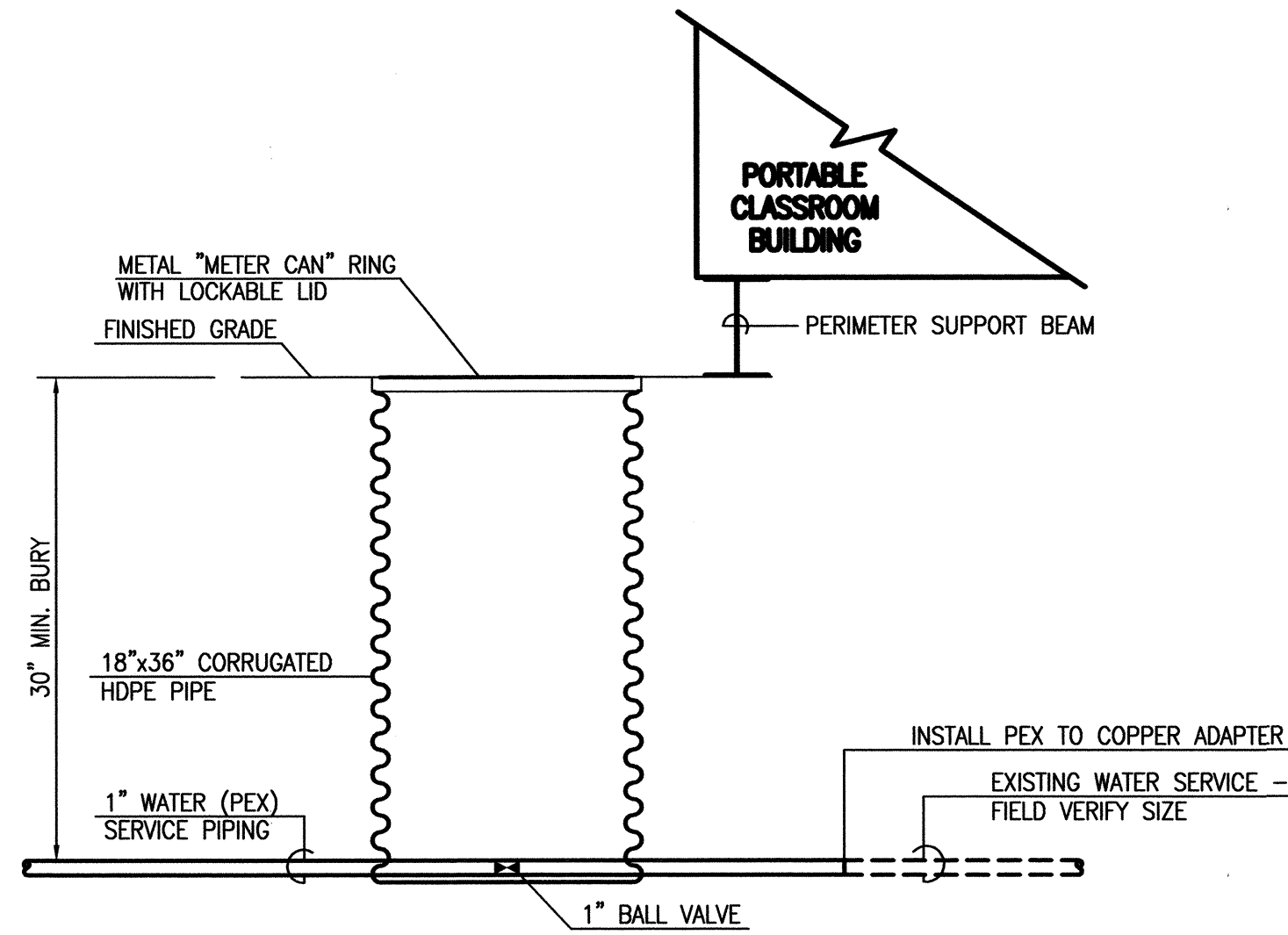
UTILITY SITE PLAN
P.A.P.A. CHARTER SCHOOL AT
BEL AIR ELEMENTARY SCHOOL
3000 ADAMS NE

DESIGNED BY	DATE	BY	REVISIONS	JOB NO.
J.G.M.	02/12	B.E.E.	RECORD DRAWING AND CERTIFICATION	2011.180.2
DRAWN BY		J.Y.R./E.J.S.		DATE
APPROVED BY		J.G.M.		09-2011
				SHEET 7 OF 11

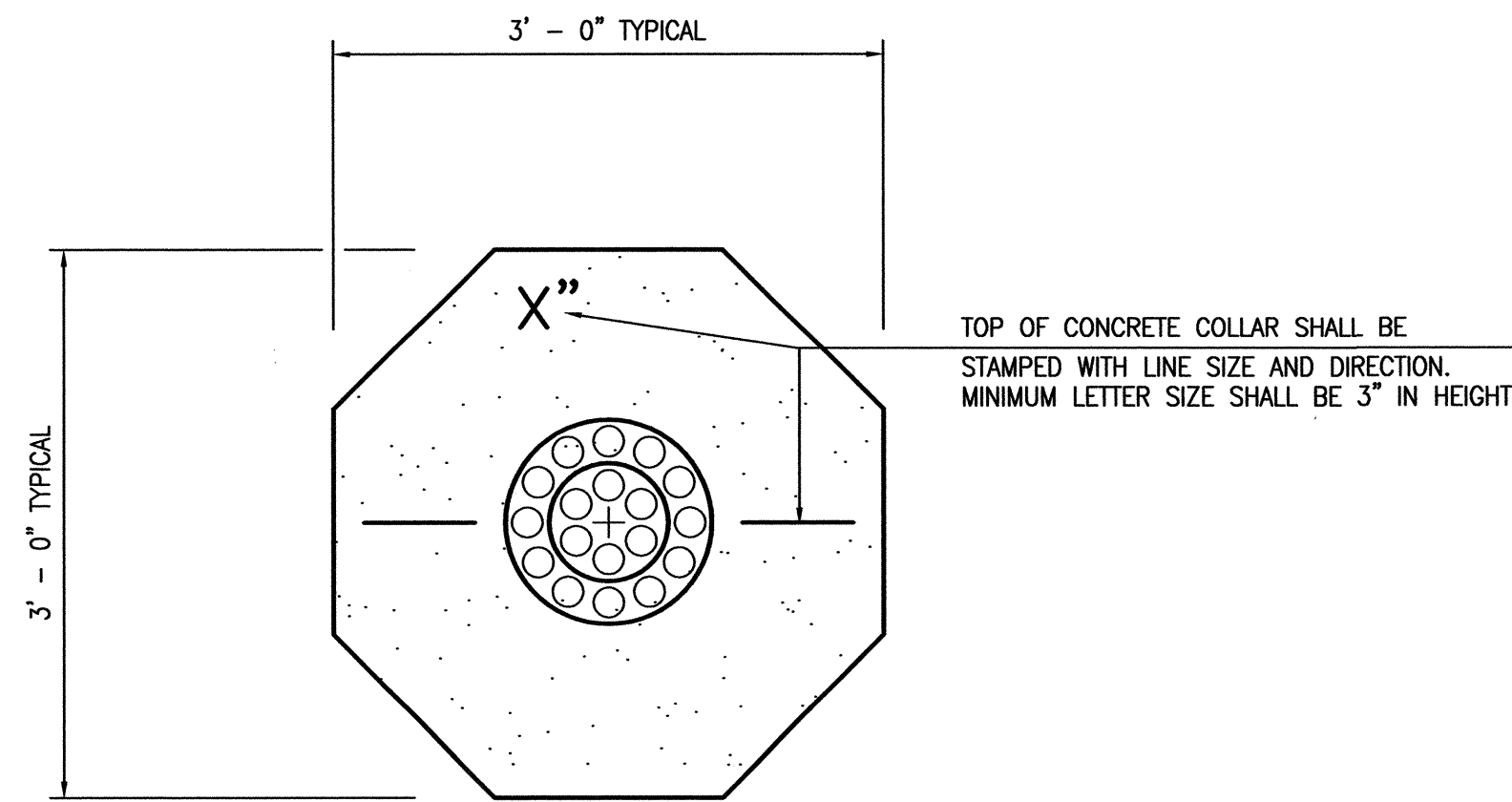
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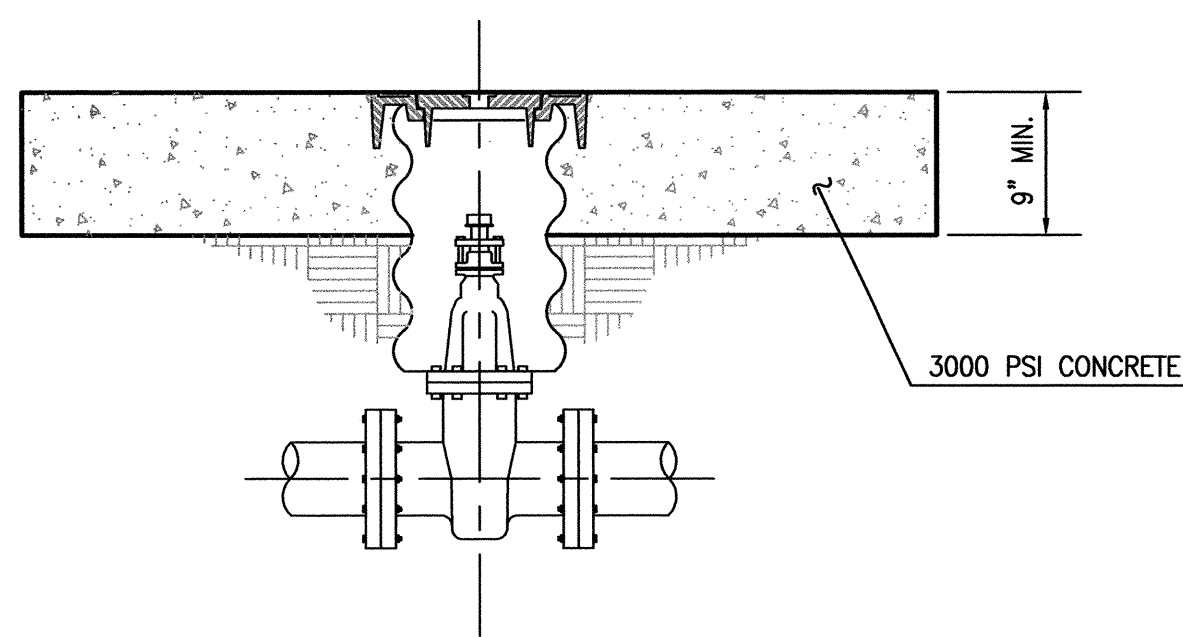
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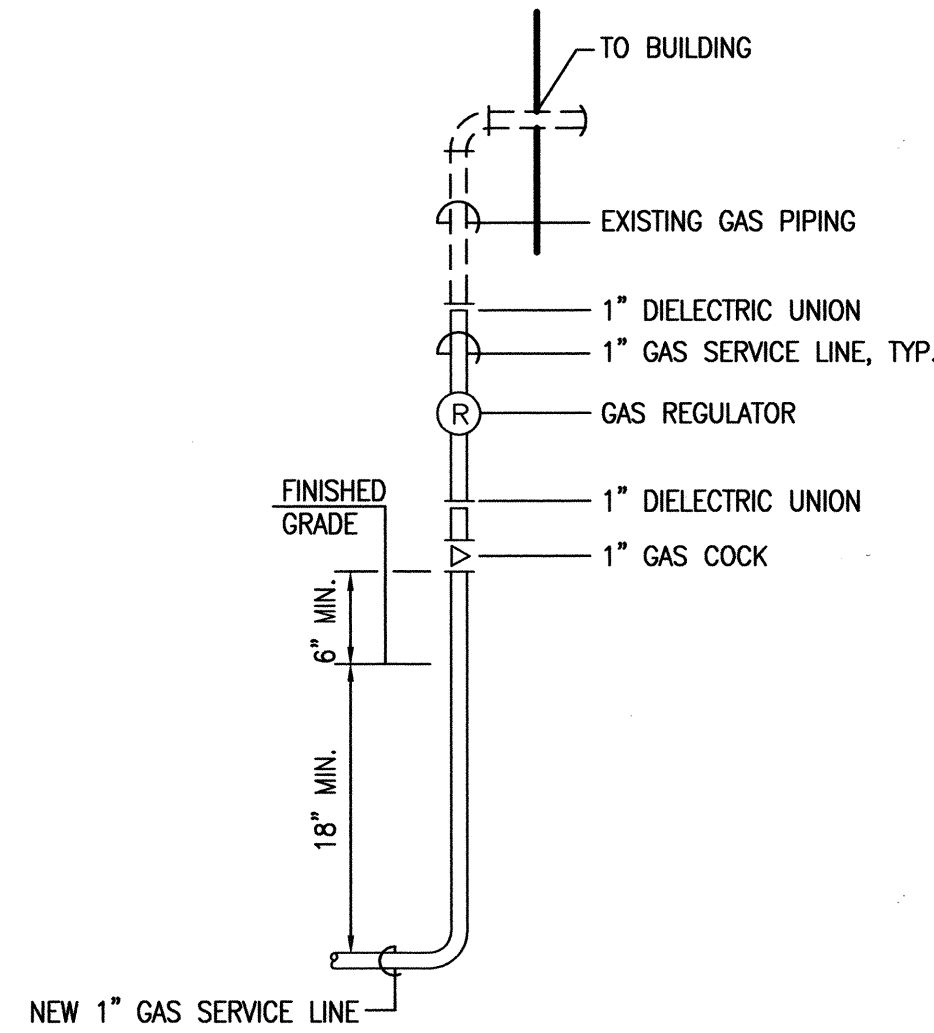
D1 TYPICAL WATER SERVICE CONNECTION
SCALE: 1" = 1'



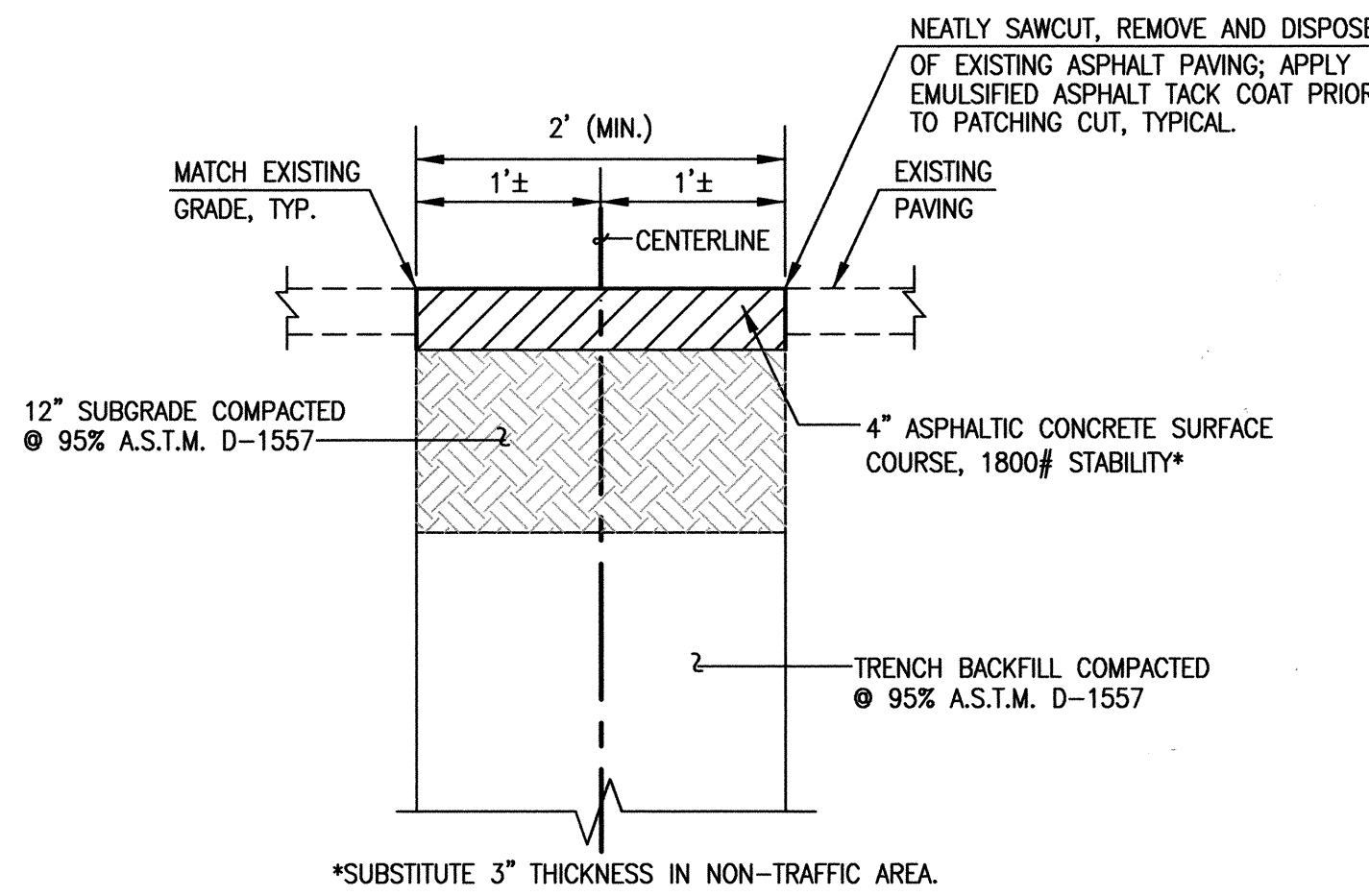
C1 TYPICAL WATER VALVE BOX COLLAR DETAIL
SCALE: 1" = 1'



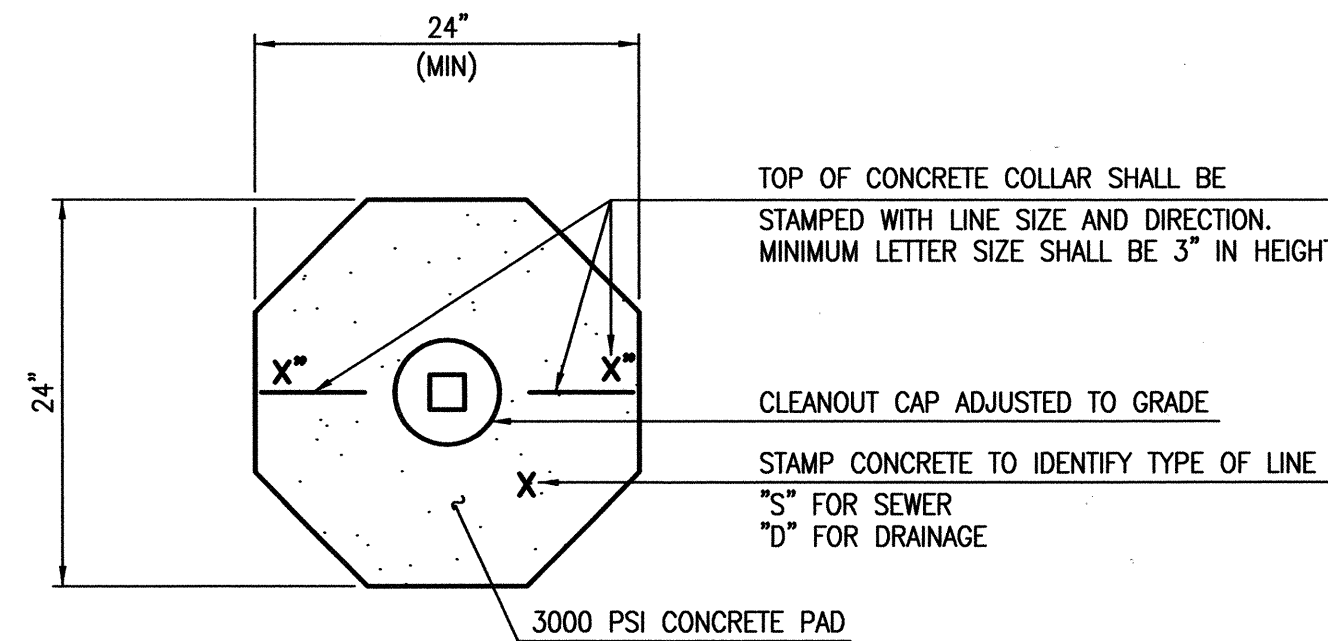
A1 TYPICAL WATER VALVE BOX SECTION
SCALE: 1" = 1'



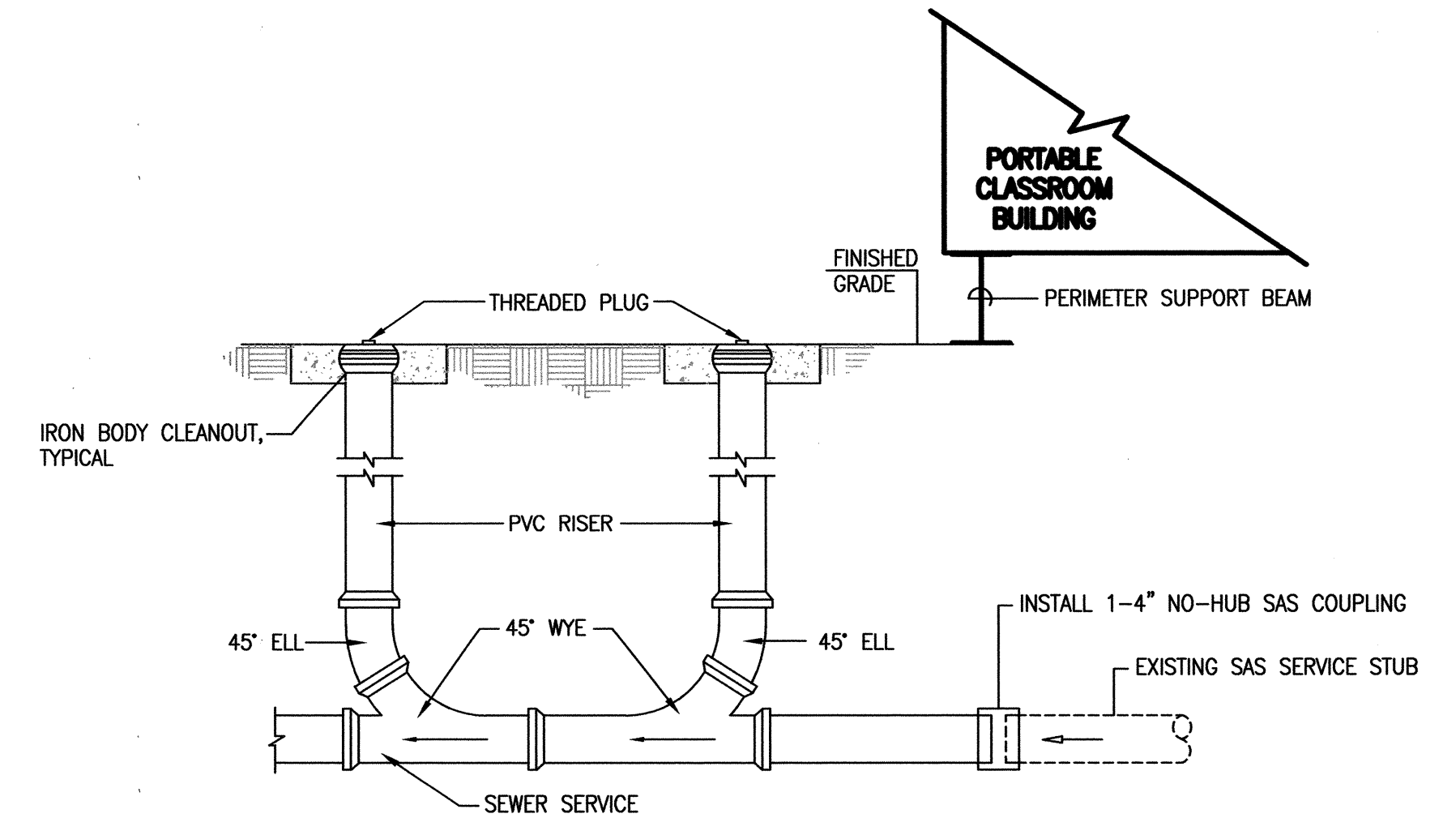
D3 TYPICAL GAS SERVICE CONNECTION
SCALE: 1" = 1'



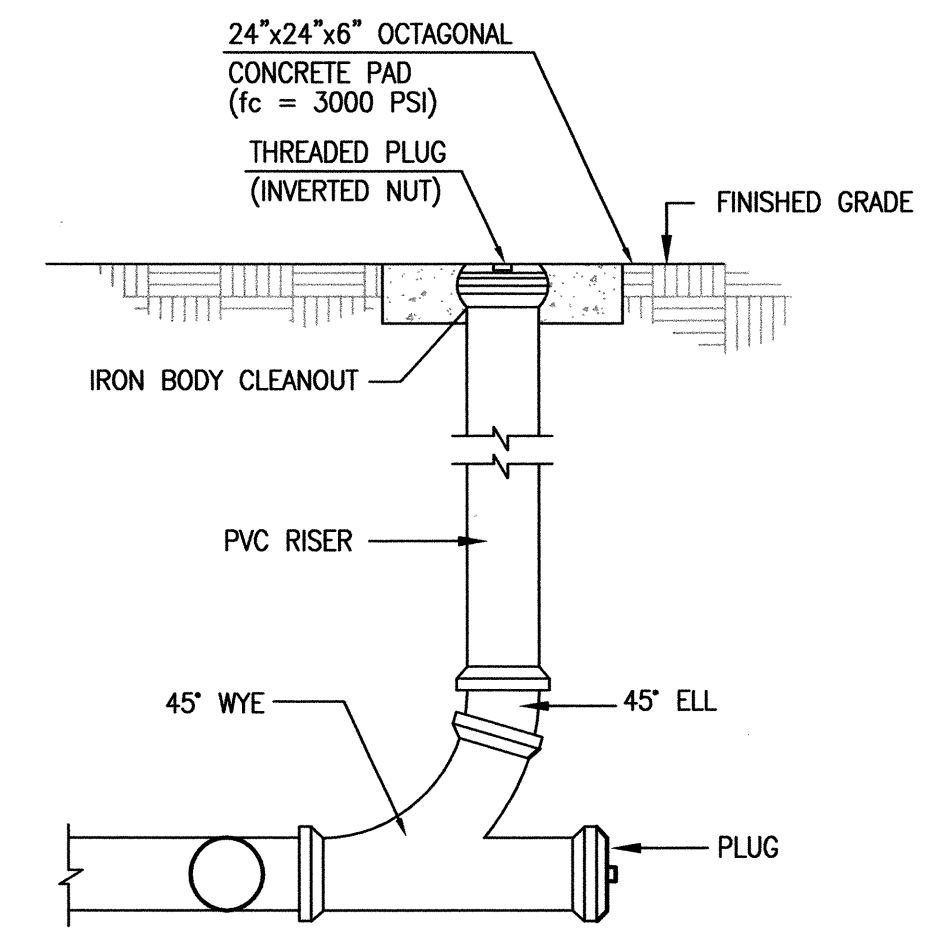
C3 TYPICAL PRIVATE PAVING UTILITY CUT AND PAVEMENT REPLACEMENT SECTION
SCALE: 1" = 1'



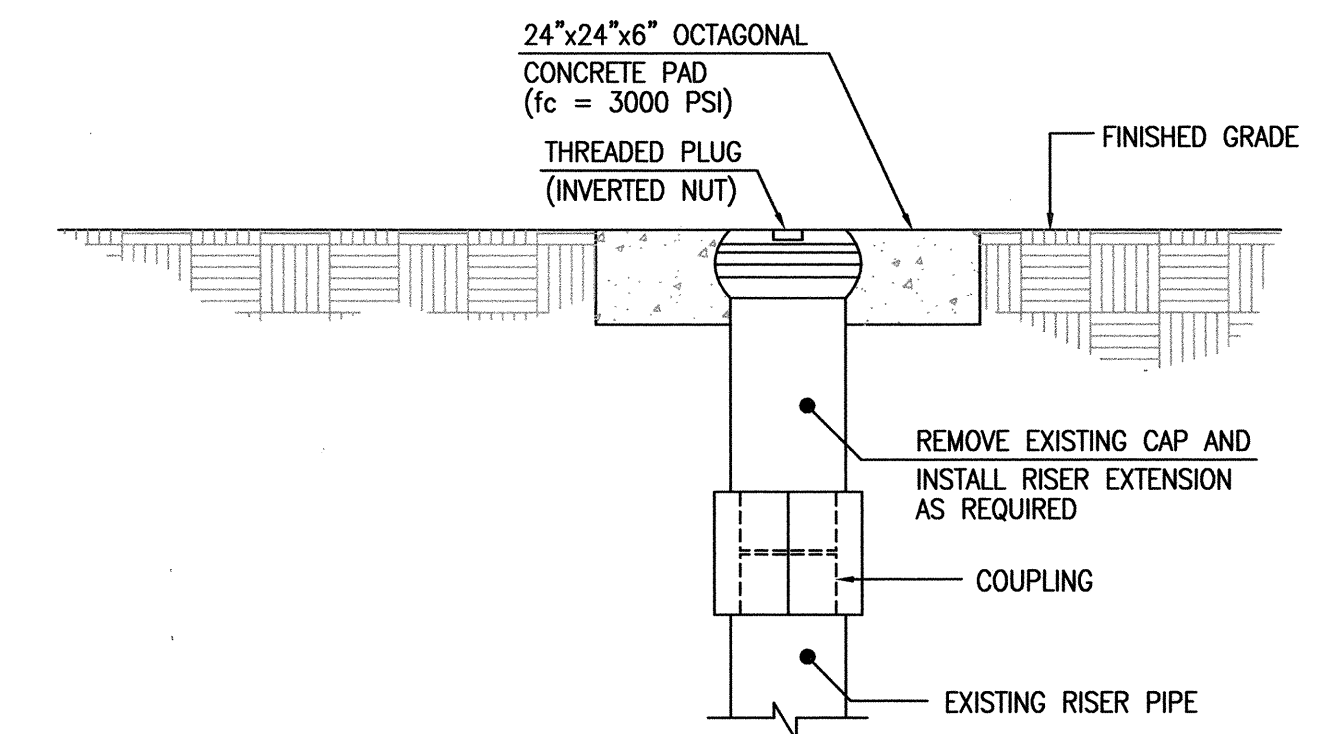
A3 TYPICAL CLEANOUT COLLAR DETAIL
SCALE: 1" = 1'



D5 TYPICAL DOUBLE CLEANOUT AND PORTABLE CONNECTION SECTION
NOT TO SCALE



C5 TYPICAL SINGLE CLEANOUT SECTION
NOT TO SCALE



A5 TYPICAL SINGLE CLEANOUT ADJUSTMENT SECTION
NOT TO SCALE



RECORD DRAWING

09.02.2011
03.22.2012
JEFFREY G. MONTENSI
NEW MEXICO
8547
REGISTERED PROFESSIONAL ENGINEER

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**PORTABLE CLASSROOM UTILITY CONNECTION DETAILS
P.A.P.A. CHARTER SCHOOL AT
BEL AIR ELEMENTARY SCHOOL
3000 ADAMS NE**

DESIGNED BY	J.G.M.	NO.	DATE	BY	2011.180.2
DRAWN BY	J.Y.R./E.J.S.	02/12	B.E.E.	RECORD DRAWING	DATE
APPROVED BY	J.G.M.				09-2011
					SHEET 8 OF 11

LEGAL DESCRIPTION

TRACTS H AND J, BEL AIR ELEMENTARY SCHOOL, ALBUQUERQUE, NEW MEXICO.

EASEMENT KEYED NOTES

EASEMENTS

- (A) 5' UTILITY EASEMENT GRANTED BY PLAT D2-120B
(B) 10' PUBLIC WALK EASEMENT GRANTED BY PLAT D2-120B
(C) APPROXIMATE LOCATION OF 10' UTILITY EASEMENT GRANTED BY PLAT D2-120B
(D) 5' UTILITY EASEMENT RANTED BY PLAT D1-39 - OFFSITE
(E) 5' PUBLIC UTILITY EASEMENT GRANTED BY PLAT C25-149 - OFFSITE

BENCHMARKS

PROJECT BENCHMARK

ACS BENCHMARK 9-617, "C" CUT CHISEL ON TOP OF CONCRETE CURB AT THE WNW CURB RETURN LOCATED IN THE NORTHWEST QUADRANT OF THE INTERSECTION OF CANDELARIA ROAD N.E. AND SAN MATEO BOULEVARD N.E.
ELEVATION = 5204.30 FEET (NGVD 29)

T.B.M. #1

A REBAR WITH CAP STAMPED "LS 7719" TAGGED WITH WASHER STAMPED "NMPS 11184", AT THE NORTHWEST CORNER OF THE PROPERTY, AS SHOWN ON THIS SHEET.
ELEVATION = 5171.37 FEET (NGVD 29)

SURVEY NOTE

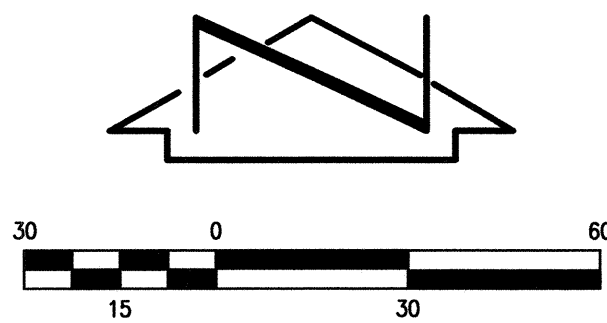
THIS IS NOT A BOUNDARY SURVEY. DATA IS SHOWN FOR ORIENTATION ONLY. THE BOUNDARY INFORMATION DEPICTED BY THIS PLAN IS BASED UPON THE BOUNDARY SURVEY PREPARED BY HIGH MESA CONSULTING GROUP, NMPS NO. 11184, DATED 4/16/2007, (JOB NO. 2006.184.4). EXISTING INFORMATION IS BASED UPON RECORD DRAWING PREPARED BY HIGH MESA CONSULTING GROUP, NMPE NO. 8547, DATED 10-16-2009, (JOB NO. 2008.191.64).

LEGEND

AP	ASPHALT PAVEMENT
ARD	ASPHALT RUNDOWN
ASPH	ASPHALT
BB	BREAKER BOX
BLDC	BUILDING
BR	BIKE RACK
C	COMMUNICATION
C&G	CURB AND GUTTER
C/PM	COMMUNICATION BY PAINT MARK
CB	CONCRETE BENCH
CCT	CONCRETE CUT
CI	CAST IRON PIPE
CLD	CENTERLINE OF DOOR
CLDD	CENTERLINE OF DOUBLE DOOR
CLF	CHAINLINK FENCE
CMU	CONCRETE MASONRY UNIT
CNY	CANOPY
CO	SANITARY SEWER CLEANOUT
CONC	CONCRETE
COP	CURB OPENING
CP	CONCRETE PAD
CRW	CONCRETE RETAINING WALL
CWALL	CONCRETE WALL
DBL	DOUBLE
DW	DRIVEWAY
EA	EDGE OF ASPHALT
EC	EDGE OF CONCRETE
ECND	ELECTRIC CONDUIT
EP	ELECTRIC PANEL
EPB	ELECTRIC PULLBOX
ET	ELECTRIC TRANSFORMER
FH	FIRE HYDRANT
FL	FLOWLINE
G/PM	GAS BY PAINT MARK
GS	GAS SERVICE
GW	GUY WIRE
INV	INVERT ELEVATION
LB	LADDER BARS
LS	LANDSCAPED AREA
MCB	METER CAN WITH BIVALVE
MCHV	METER CAN WITH HOSEBIB AND VALVE
MCSV	METER CAN WITH SPRINKLER VALVE
MDS	METAL DOOR STOP
MH	MANHOLE
MLP	METAL LIGHT POLE WITH 2' CONCRETE BASE
MRL	METAL RAMP LANDING
MSL	METAL STEPS LANDING
OH(1)	OVERHEAD COMMUNICATION (# OF LINES)
OH(1)	OVERHEAD ELECTRIC (# OF LINES)
OHM	OVERHEAD ELECTRIC MAST
PB	PARKING BUMPER
PE	PLAYGROUND EQUIPMENT
PLTR	PLANTER
PORT	PORTABLE
PS	PARKING STRIPE
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
RD	ROOF DRAIN
SAS	SANITARY SEWER
SAS/PM	SANITARY SEWER CLEANOUT
SB	SPEED BUMP
SCB	SPRINKLER CONTROL BOX
SGP	STEEL GUARD POST
SHR	STEEL HANDRAIL
SI	STORM INLET
STD	STANDARD
SW	SIDEWALK
SWC	SIDEWALK CULVERT
TA	TOP OF ASPHALT
TC	TOP OF CURB
TCO	TOP OF CONCRETE
TG	TOP OF GRATE
TS	TRAFFIC SIDEWALK
TYP	TYPICAL
UG	UNDERGROUND
UPP	UTILITY PAVING PATCH
VCP	VITRIFIED CLAY PIPE
VC	VALLEY CUTTER
WCR	WHEELCHAIR RAMP
WF	WATER FAUCET
WHB	WATER HOTBOX
WL	WATERLINE
WL/PM	WATERLINE BY PAINT MARK
WMB	WATER METER BOX
WPP	WOOD POWER POLE
WVB	WATER VALVE BOX
*	UTILITY MARKER

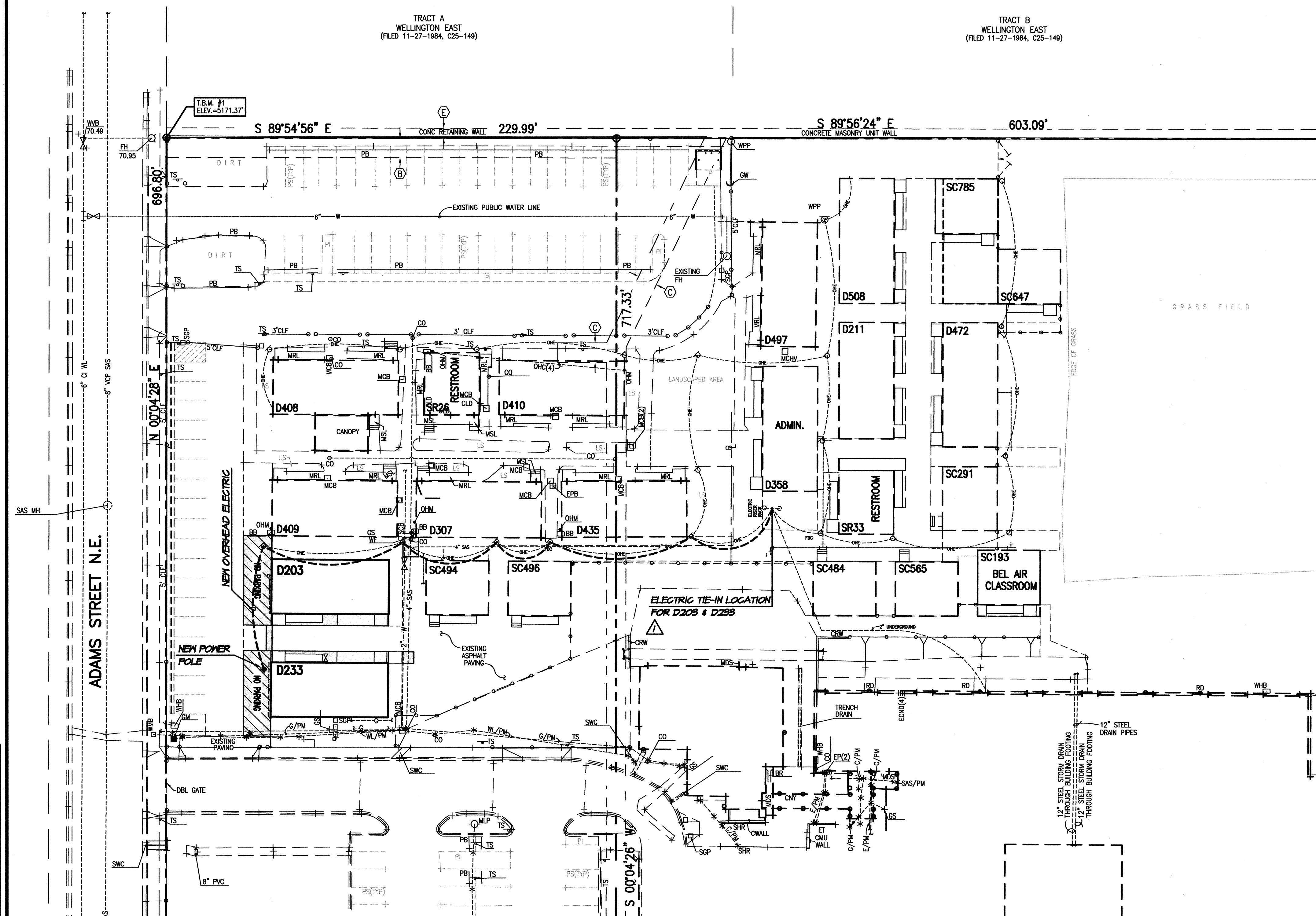
PROPOSED ASPHALT PAVING

RECORD DRAWING



TRACT A
WELLINGTON EAST
(FILED 11-27-1984, C25-149)

TRACT B
WELLINGTON EAST
(FILED 11-27-1984, C25-149)



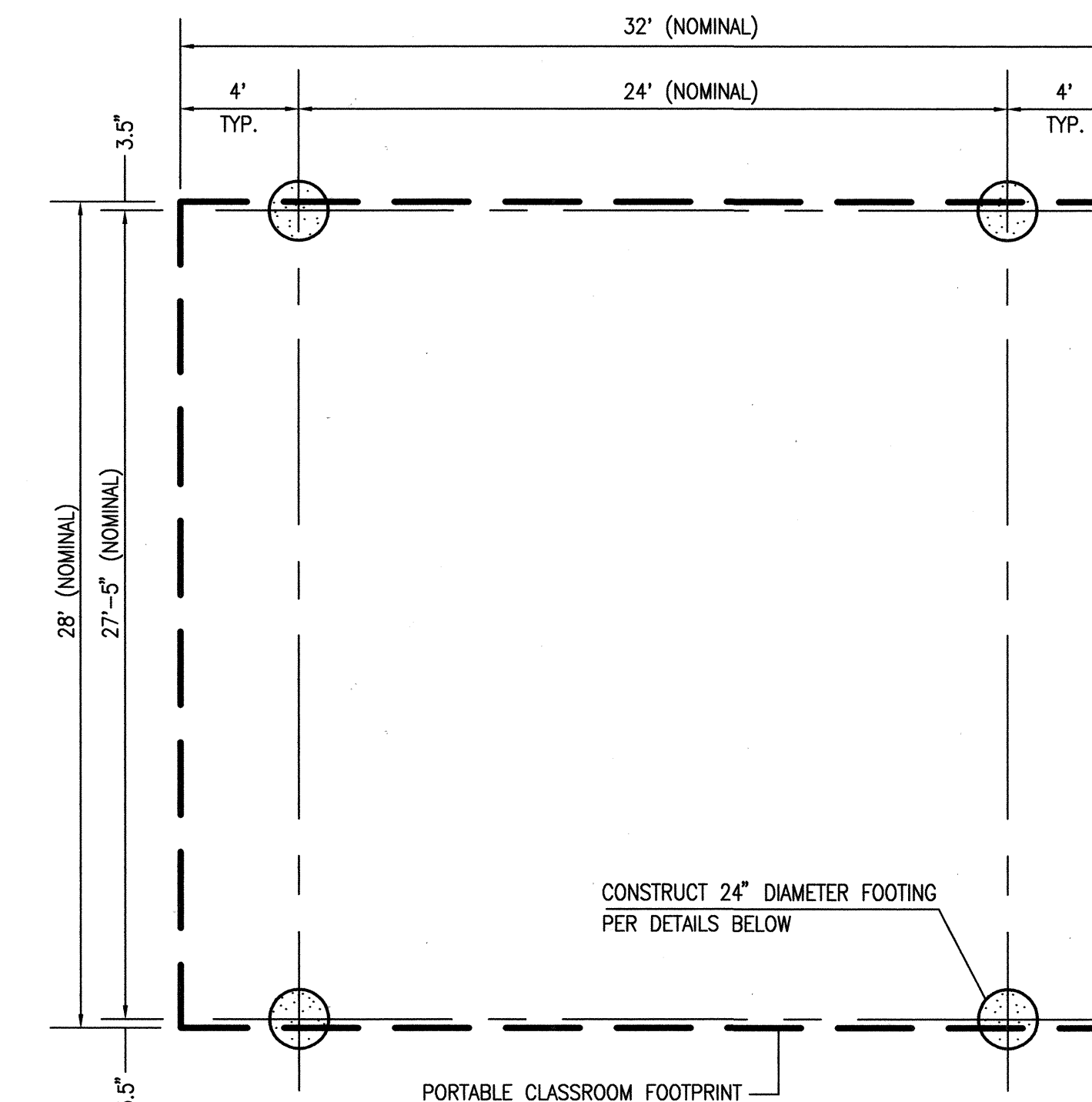
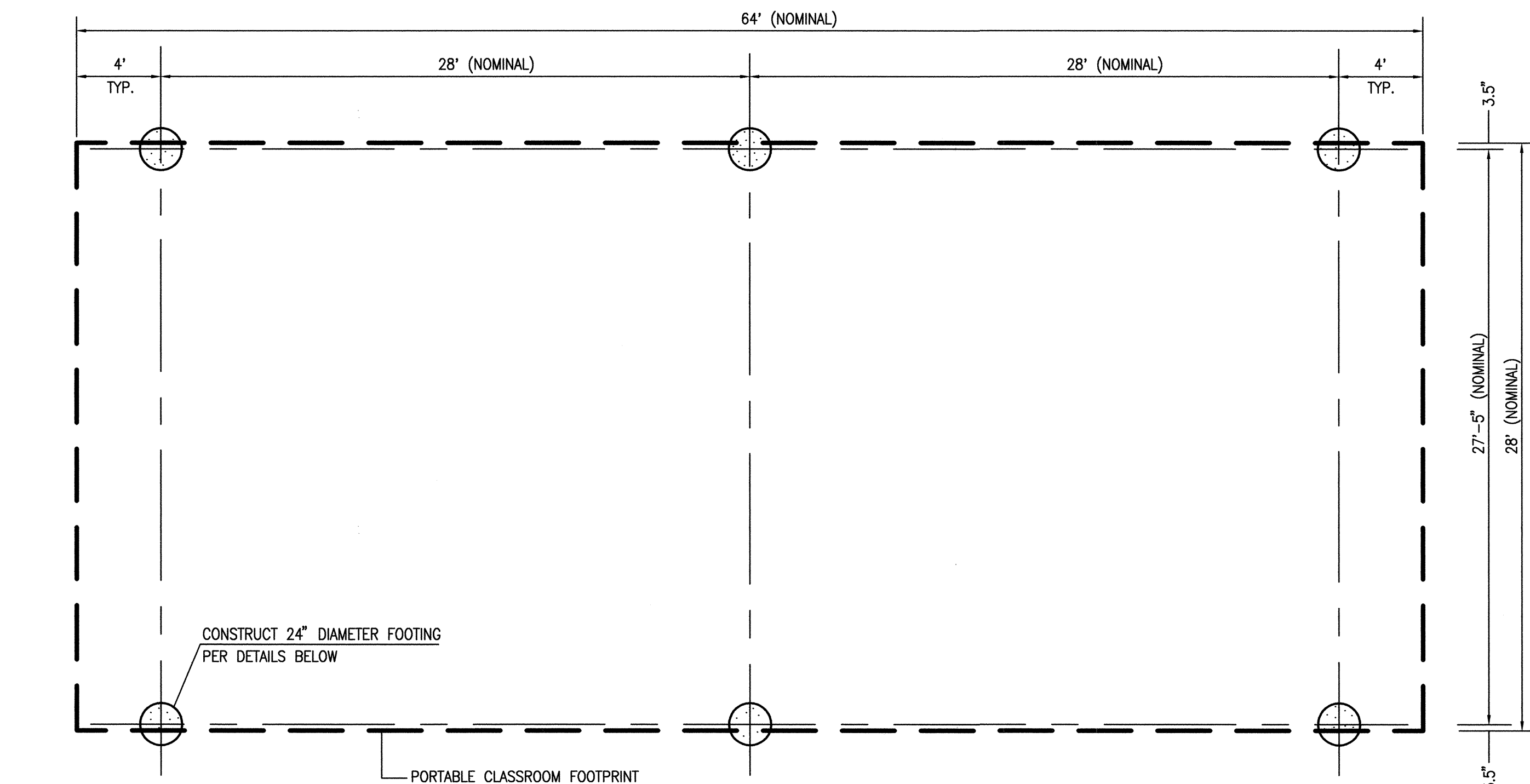
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OVERHEAD UTILITY PLAN (FOR INFORMATION ONLY)
P.A.P.A. CHARTER SCHOOL AT
BEL AIR ELEMENTARY SCHOOL
3000 ADAMS NE

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

NO.	DATE	BY	REVISIONS
1	02/12	B.E.E.	RECORD DRAWING

JOB NO.	
2011.180.2	
DATE	
09-2011	
SHEET	
9	OF 11

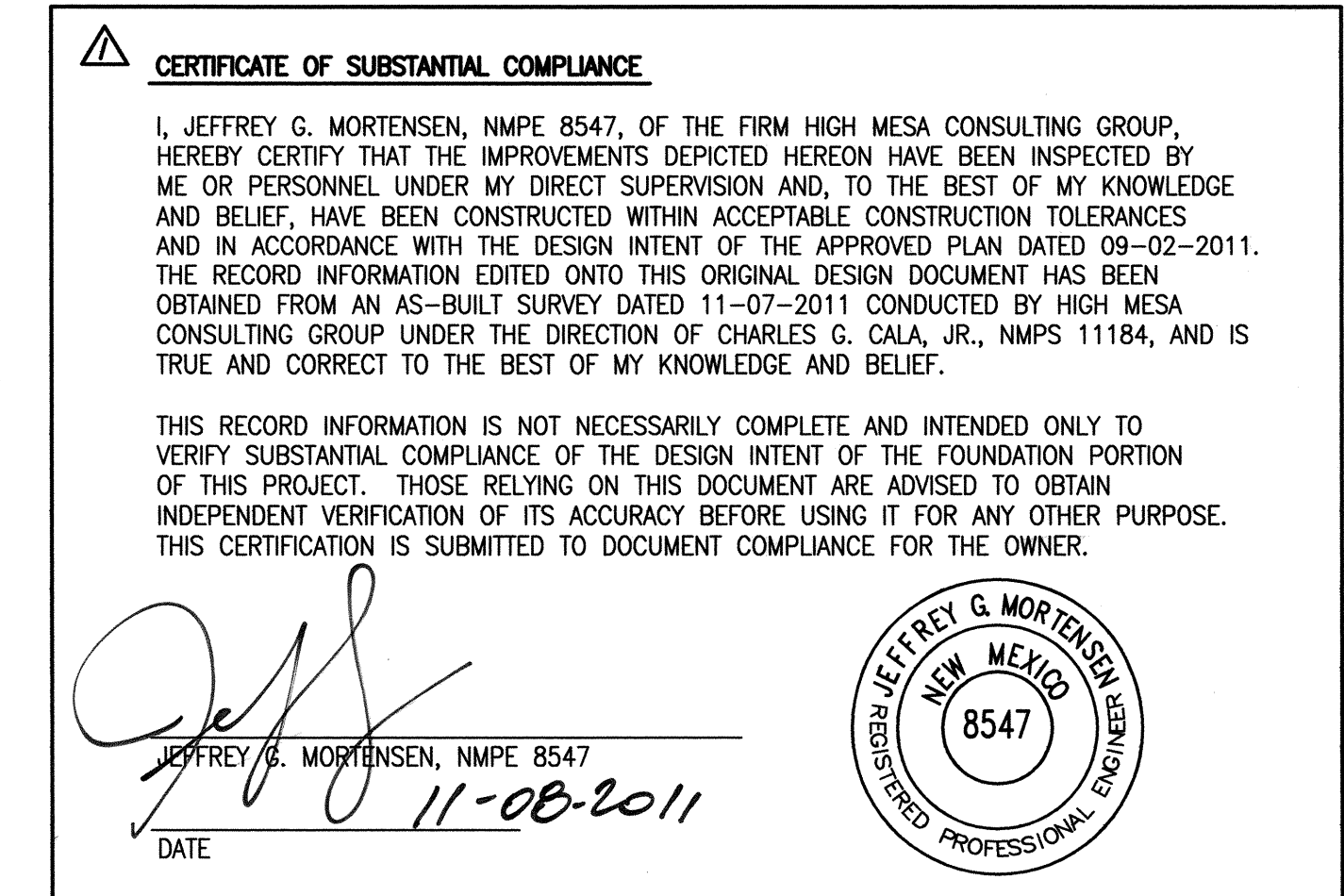
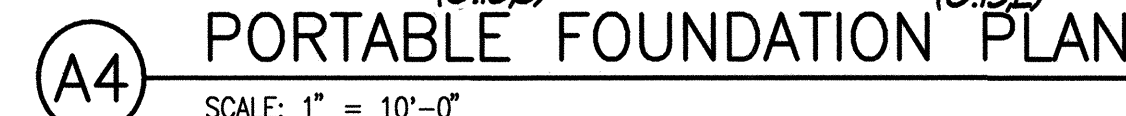
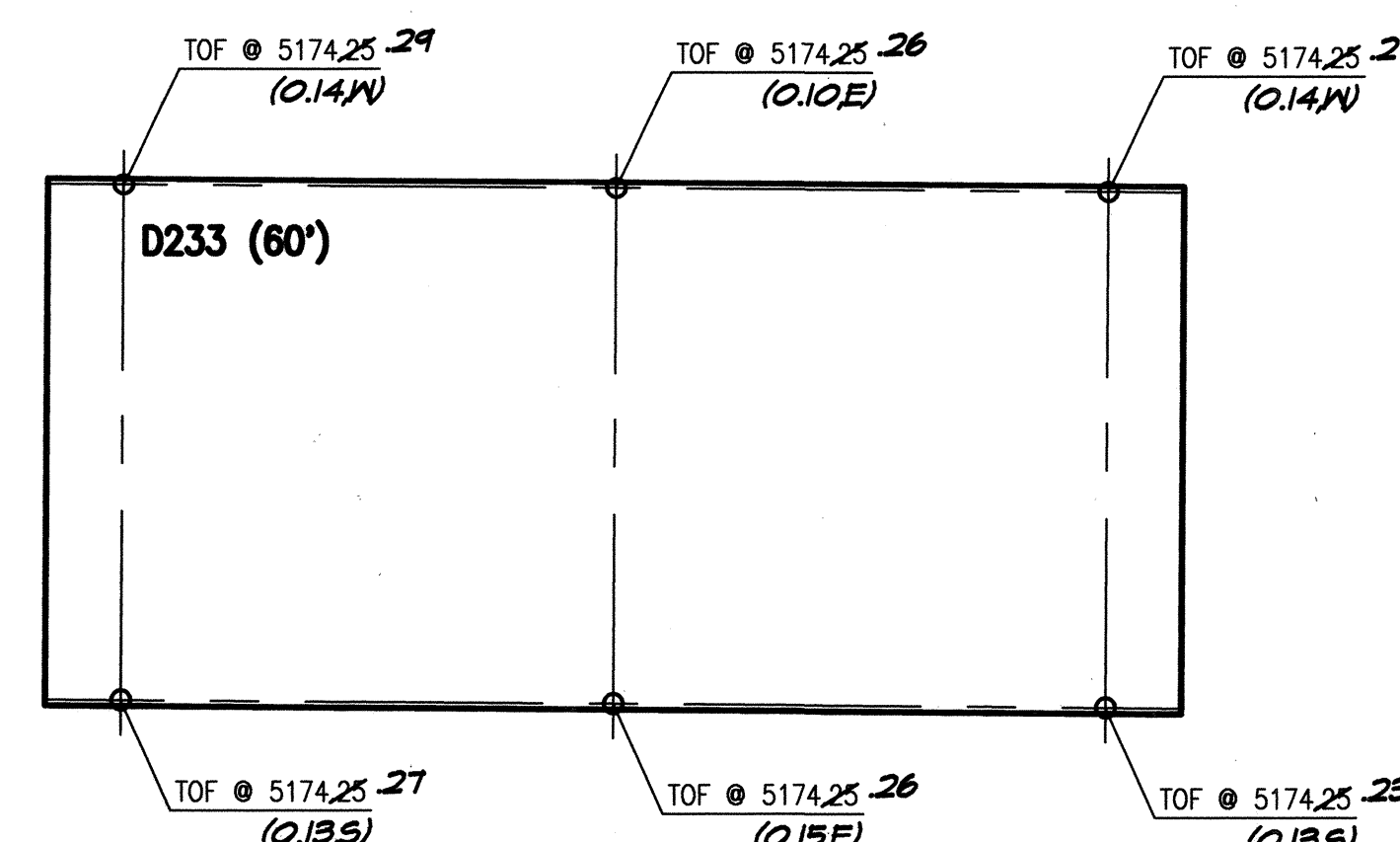
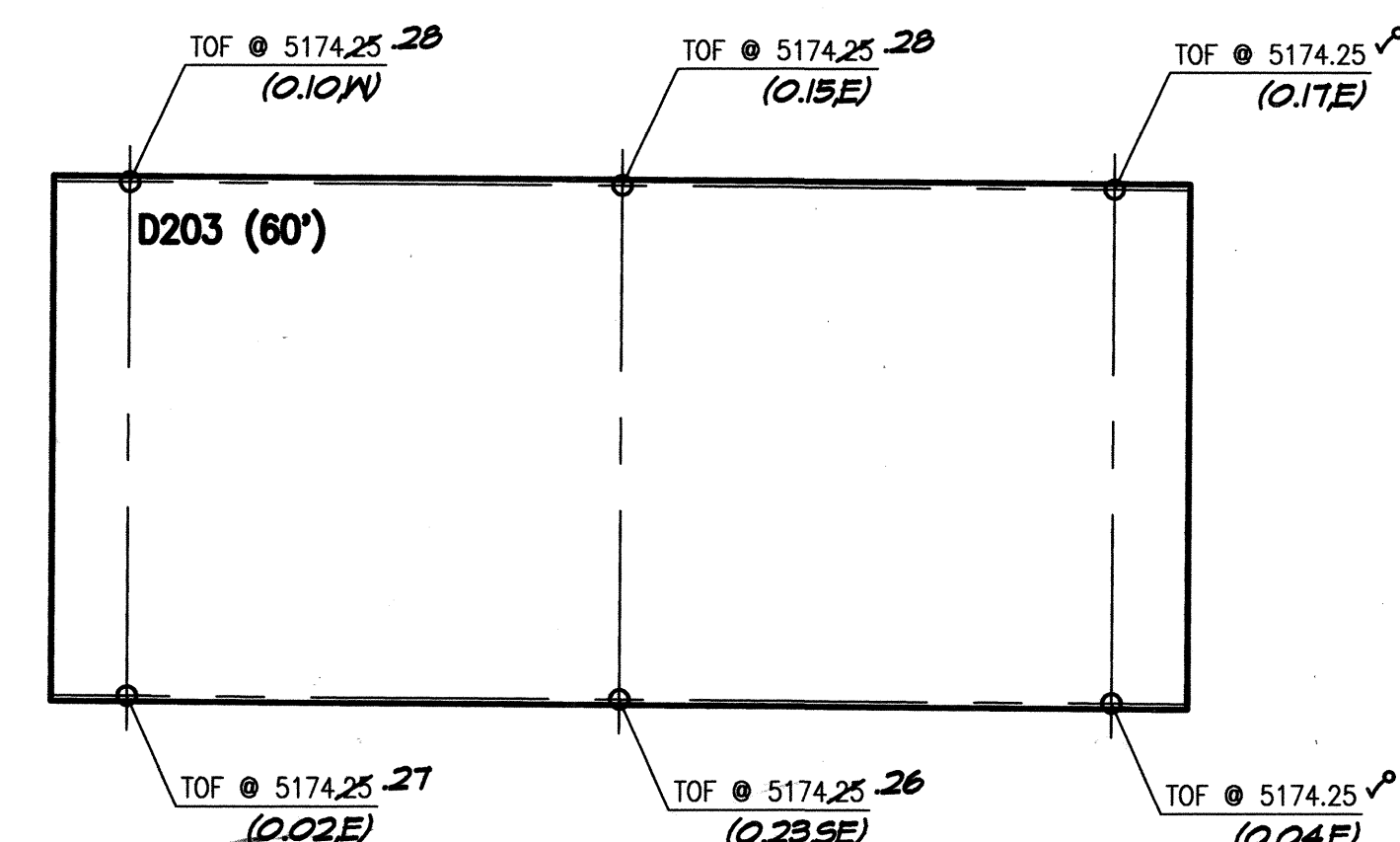


- ### FOUNDATION AND PORTABLE INSTALLATION NOTES;

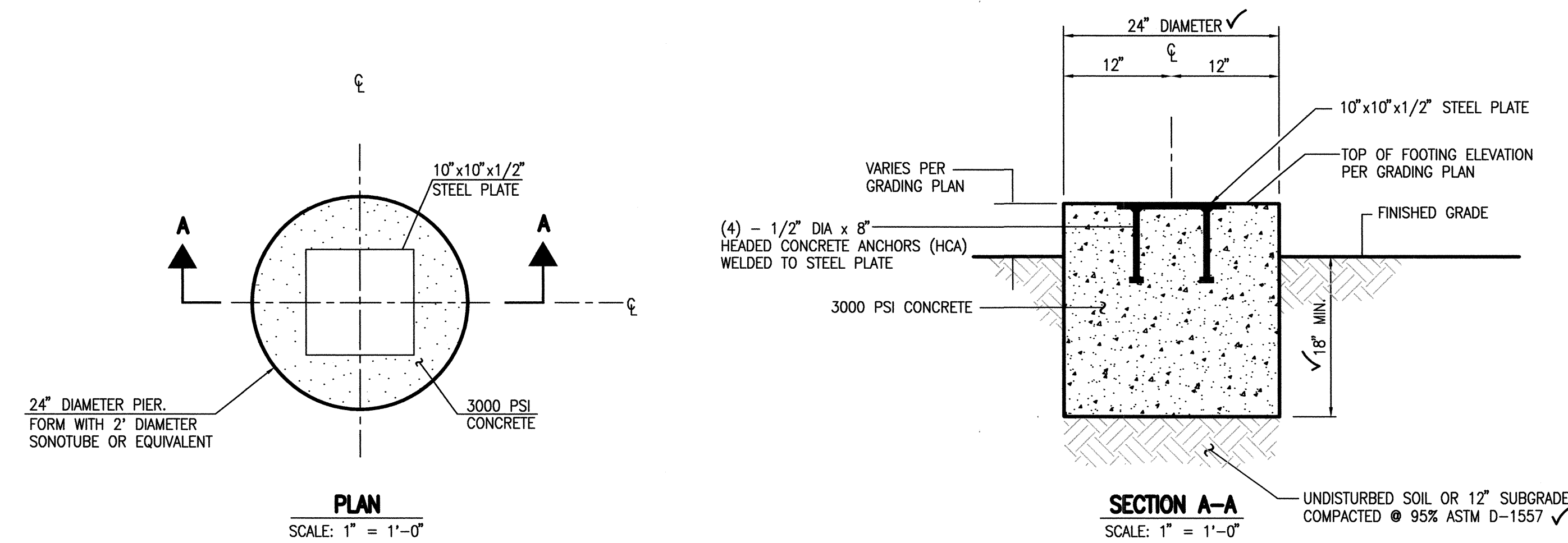
1. FOUNDATION LOCATIONS SHALL BE STAKED BY THE PROJECT SURVEYOR UNDER CONTRACT WITH THE OWNER.
2. THE CONTRACTOR SHALL NOTIFY THE ENGINEER WHEN FOUNDATIONS HAVE BEEN EXCAVATED AND ALL FORMS SET.
3. PRIOR TO POURING FOUNDATIONS, THE ENGINEER, OR HIS REPRESENTATIVE, SHALL OBSERVE AND APPROVE THE WORK FOR 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.

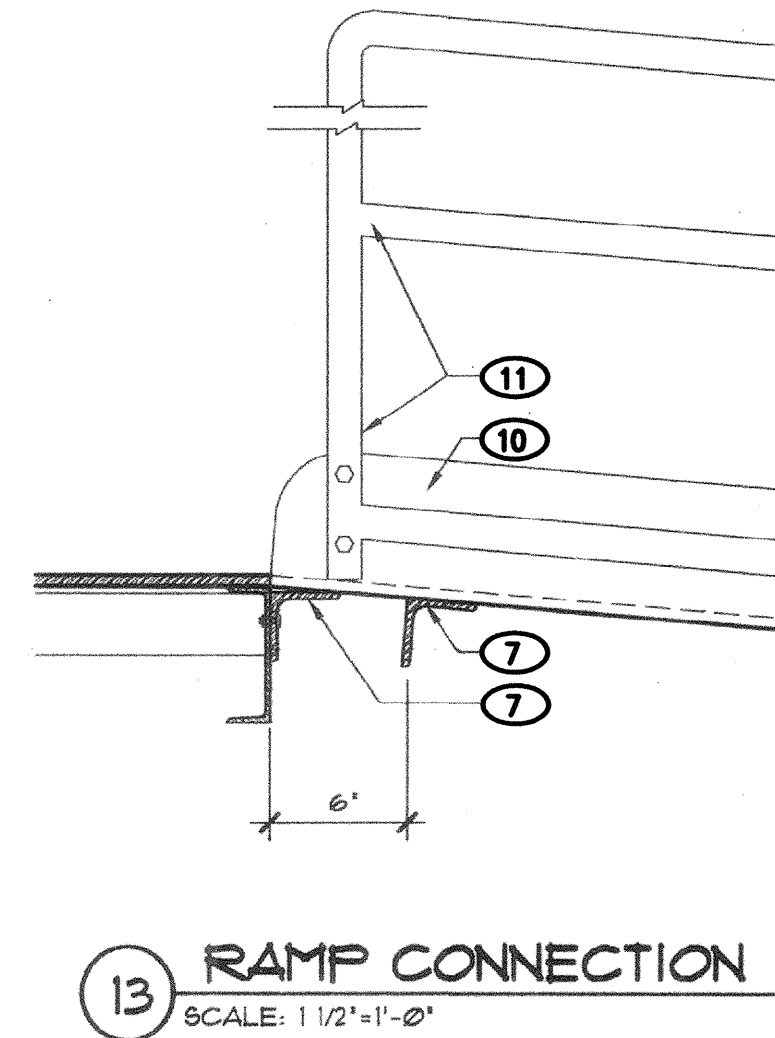
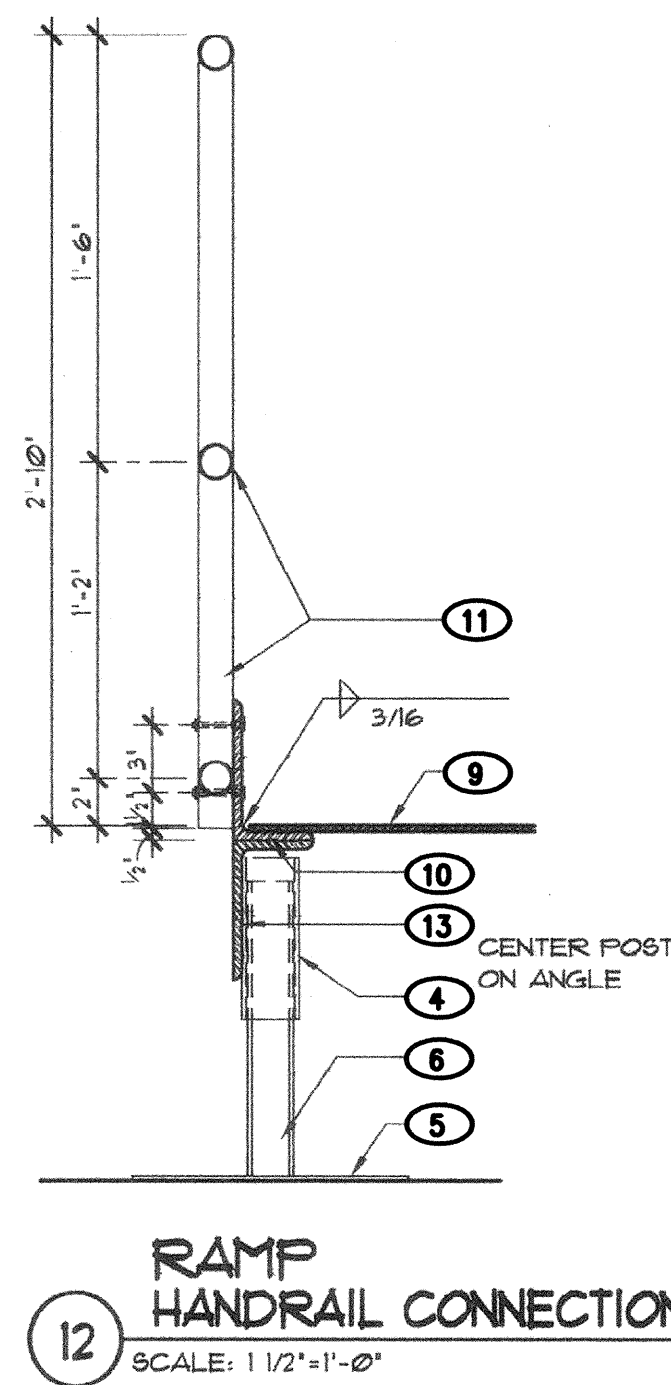
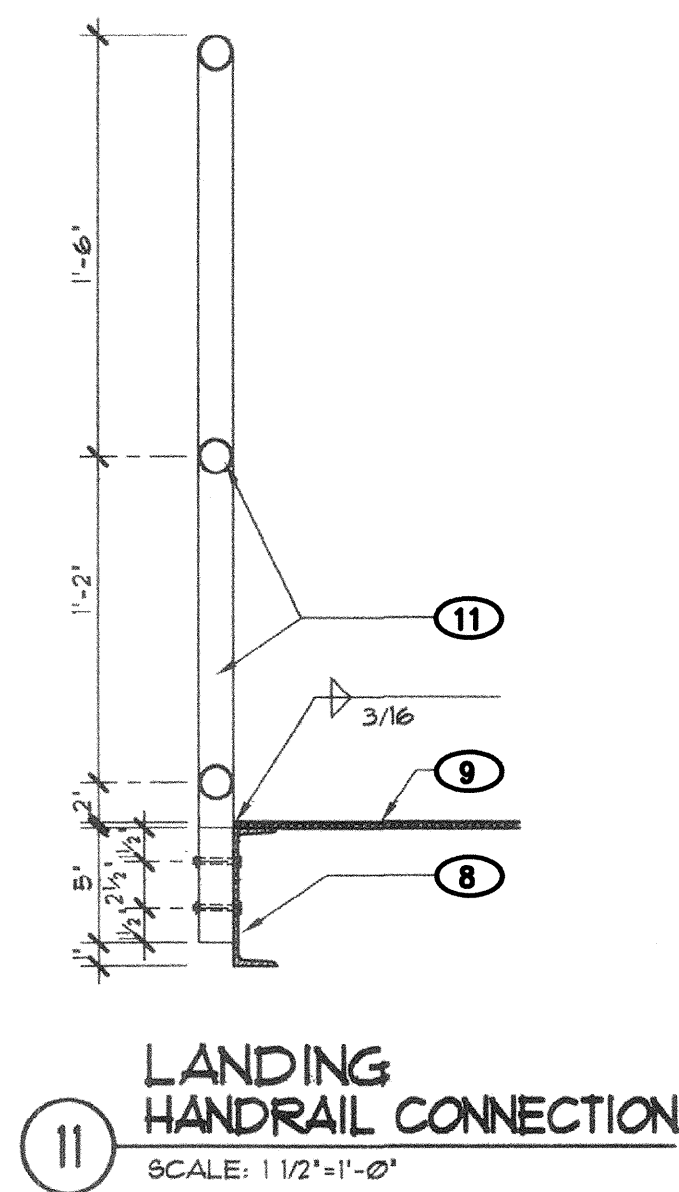
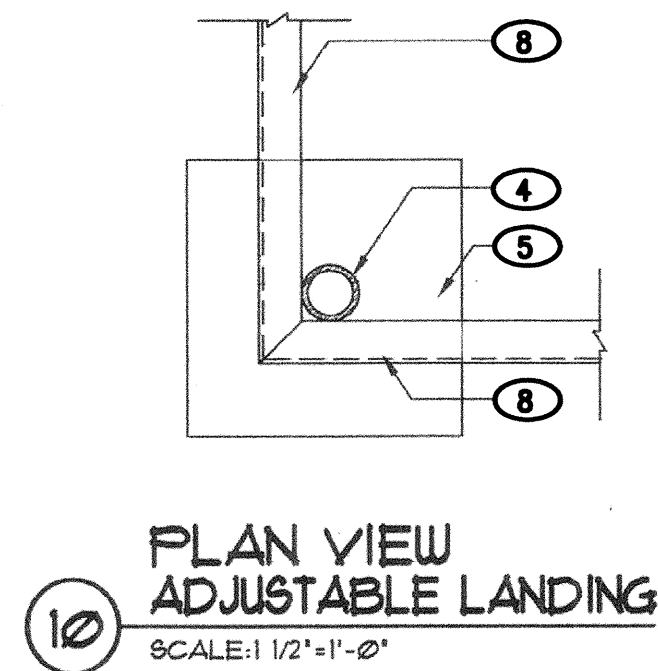
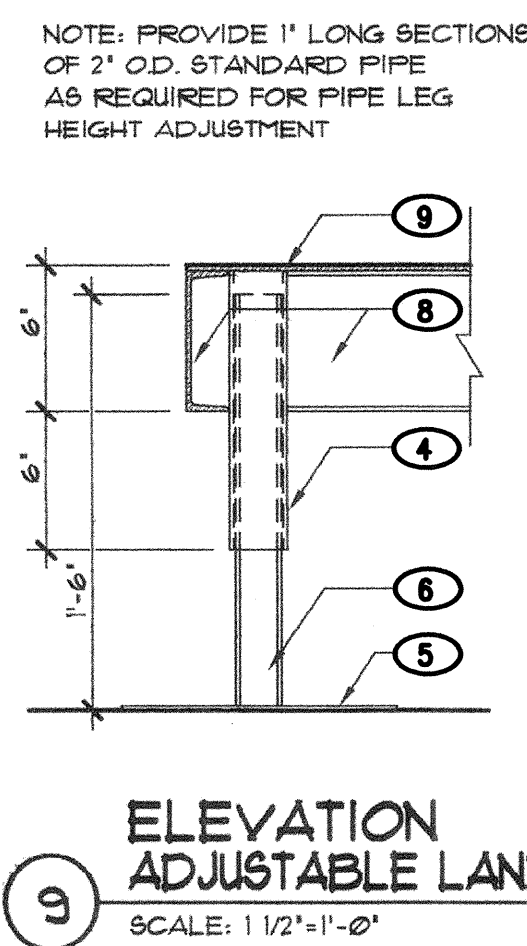
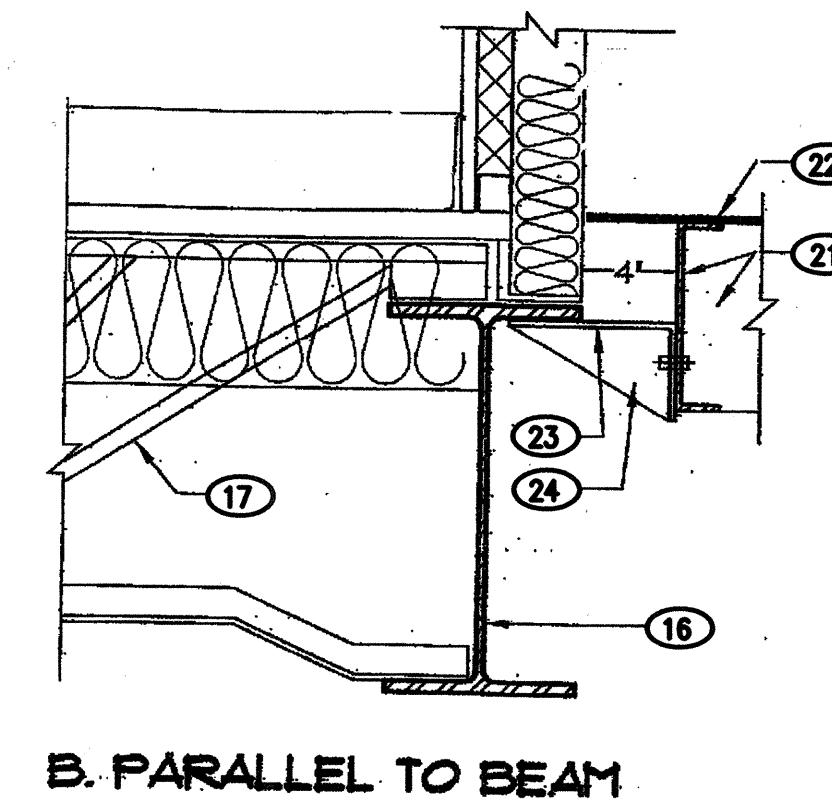
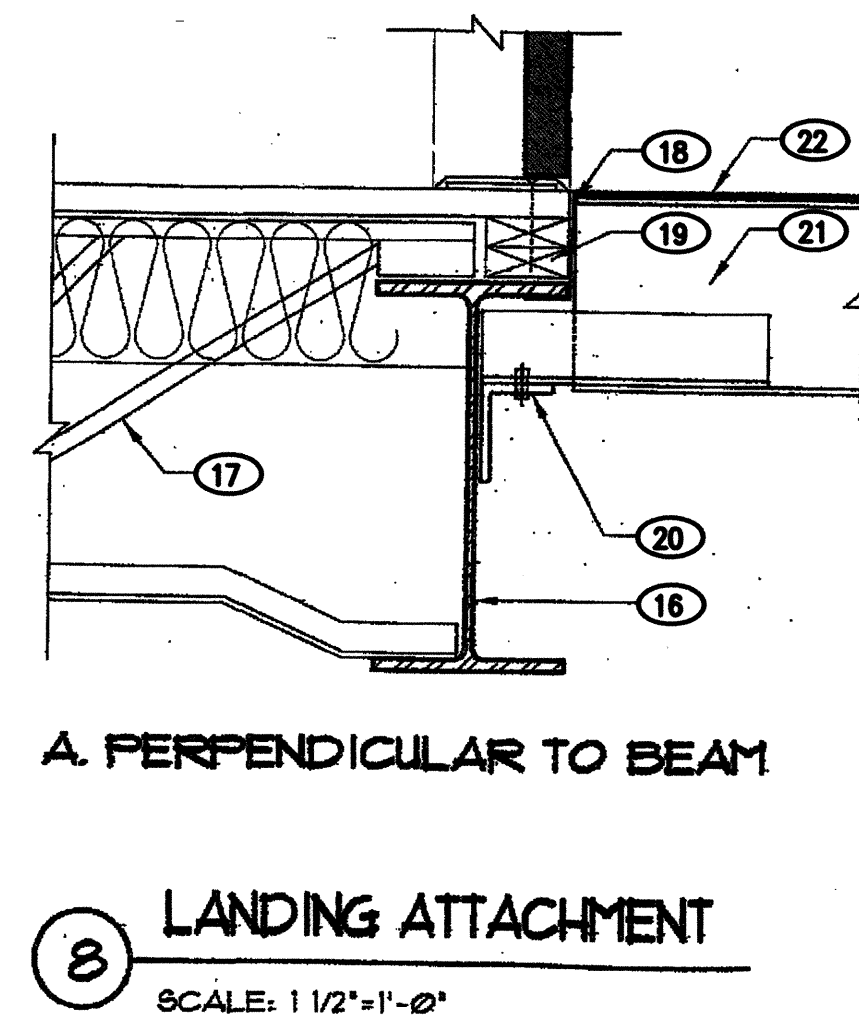
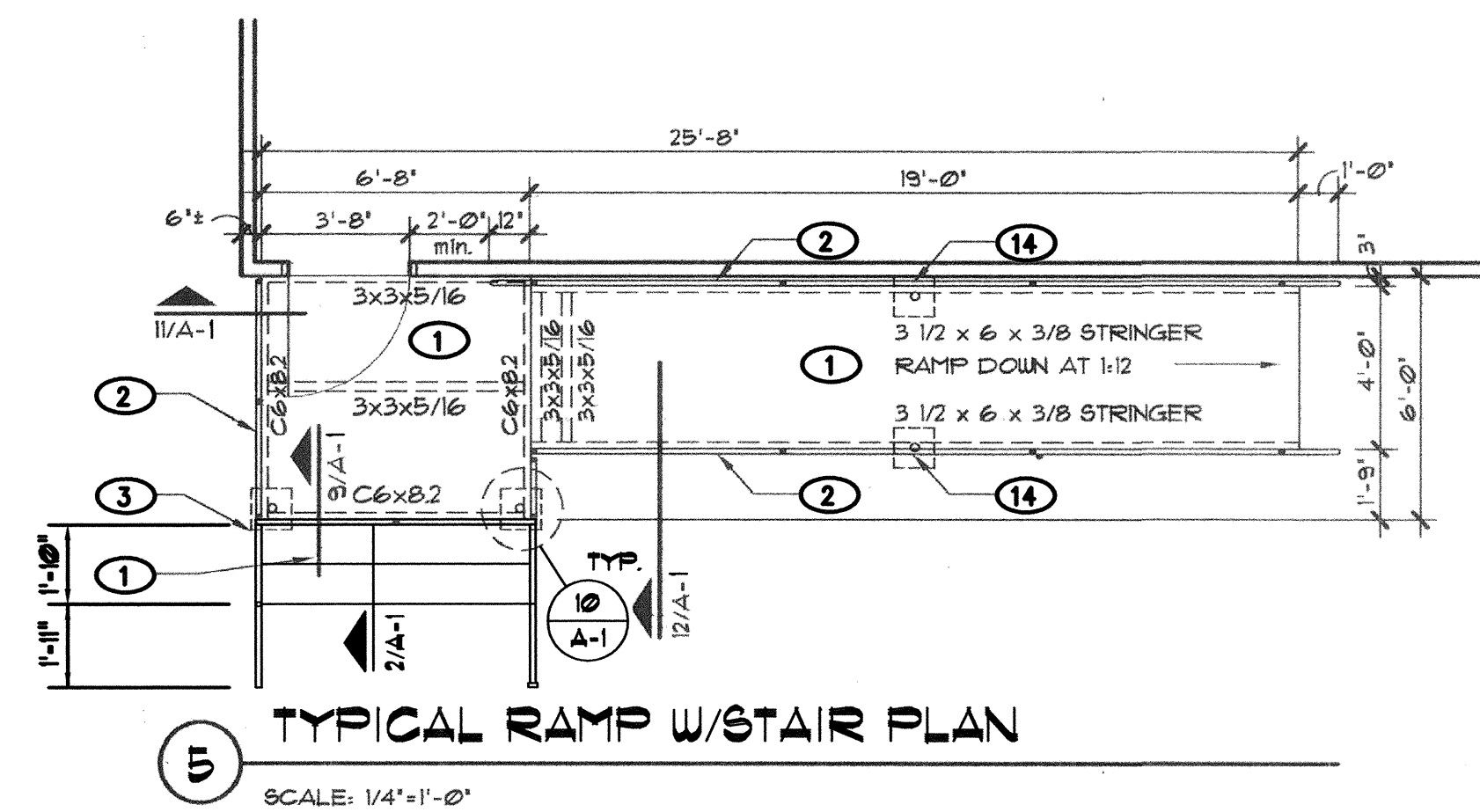
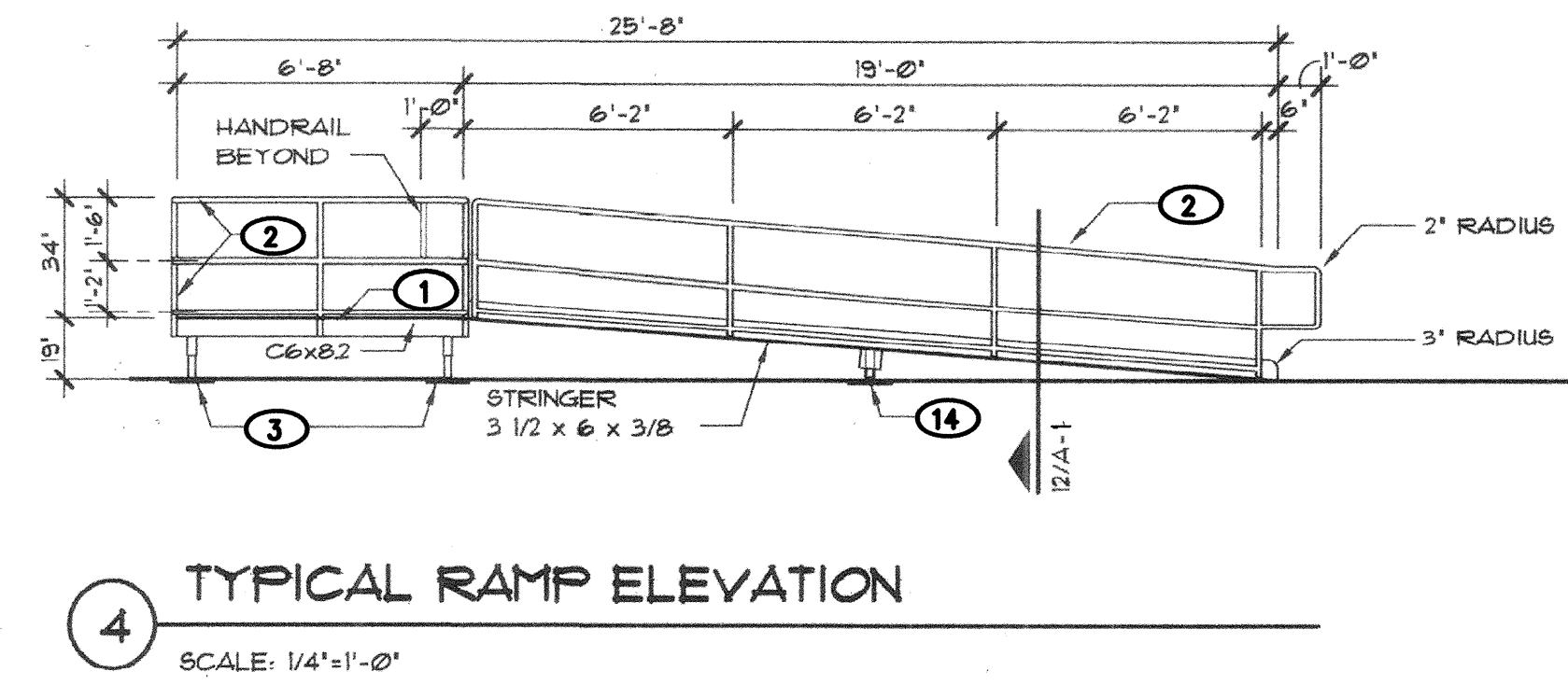
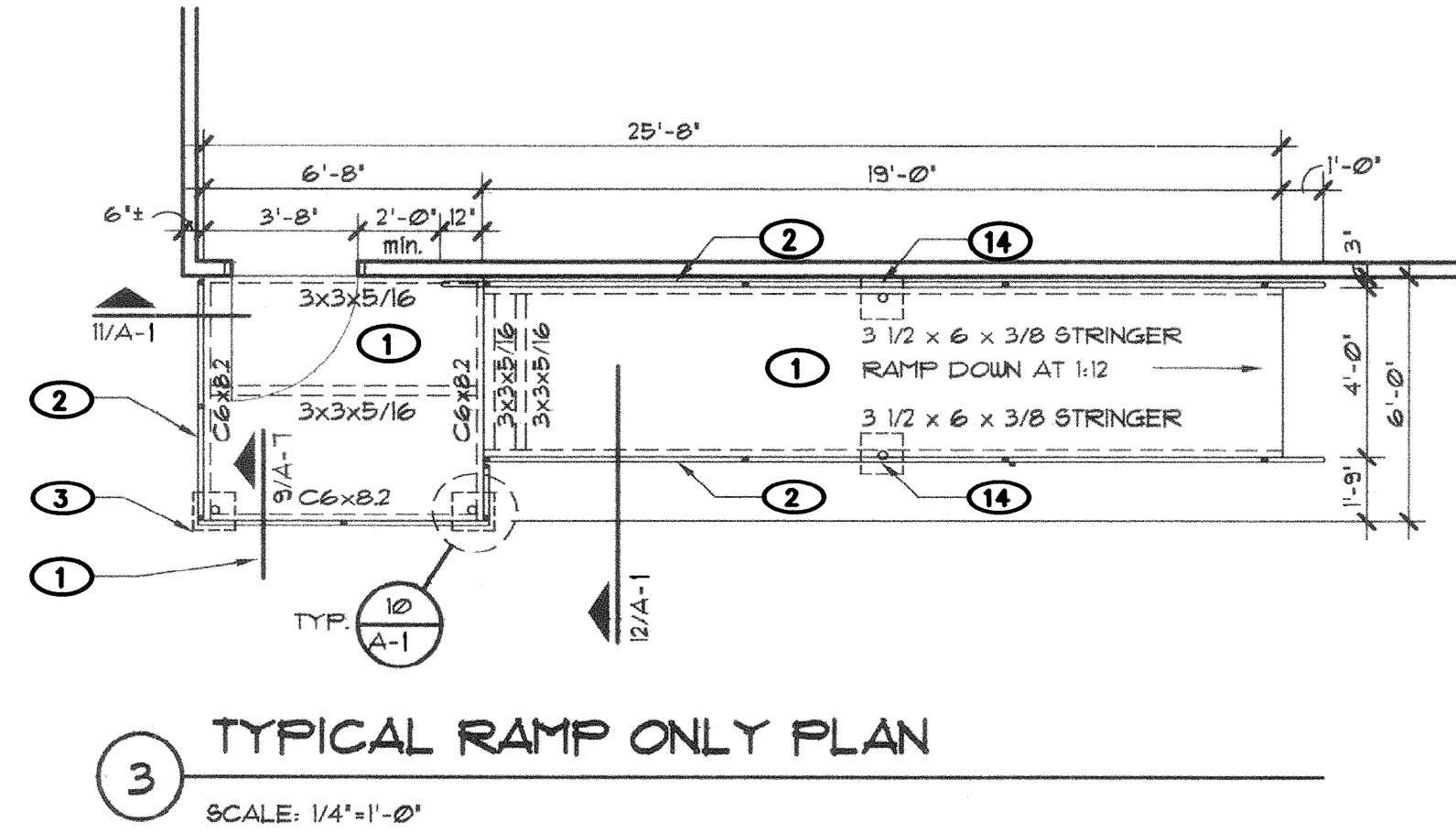
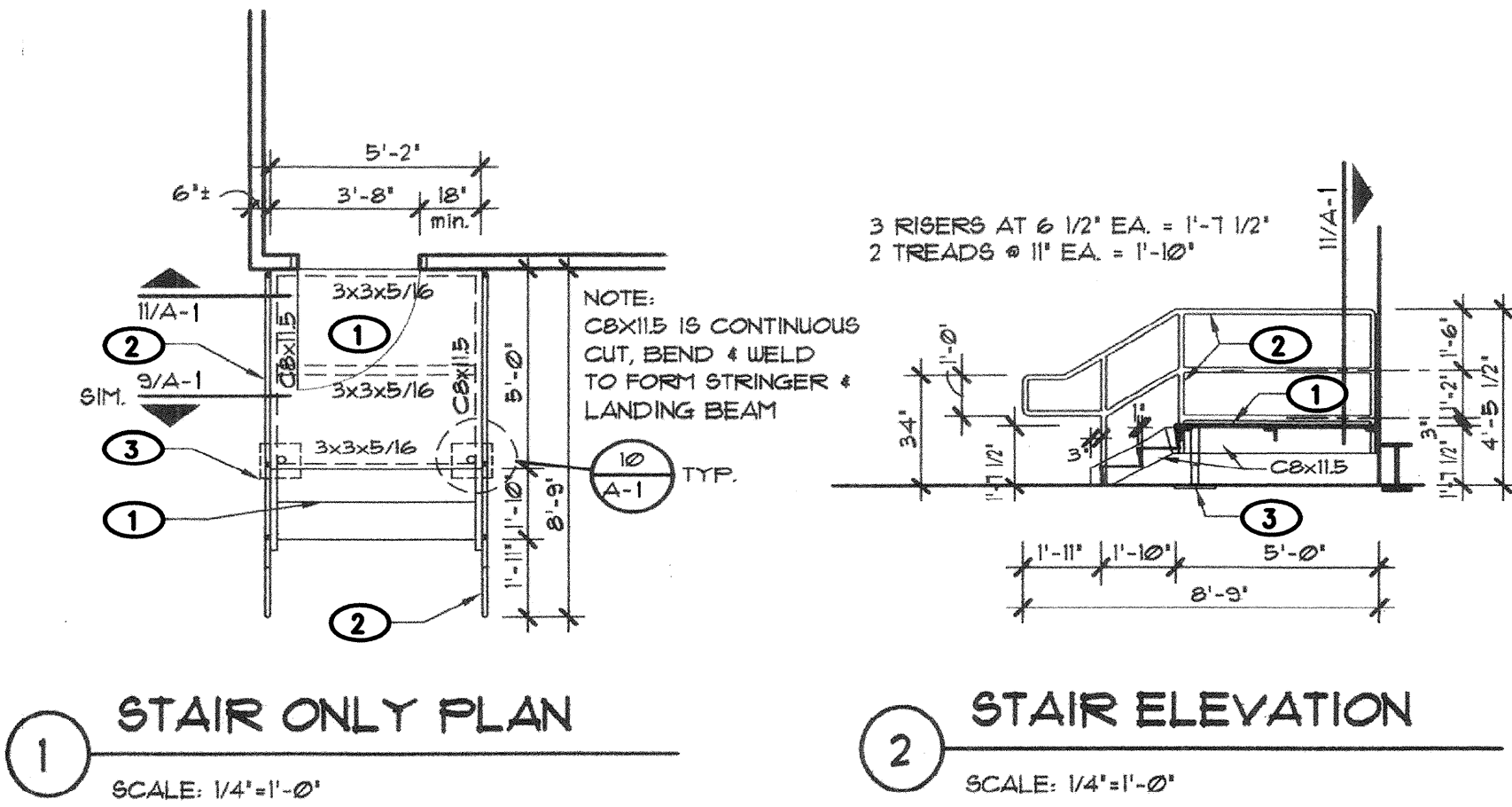
 RECORD INFORMATION LEGEND

CONSTRUCT	RECORD INFORMATION (VERIFIED BY ENGINEER)
✓	AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY ENGINEER)
38.0 7.9'	RECORD INFORMATION (VERIFIED BY ENGINEER)
⊕ 31.25 22	RECORD INFORMATION (VERIFIED BY ENGINEER)
✓	AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY AS-BUILT SURVEY)
38.0 7.9'	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





KEYED NOTES

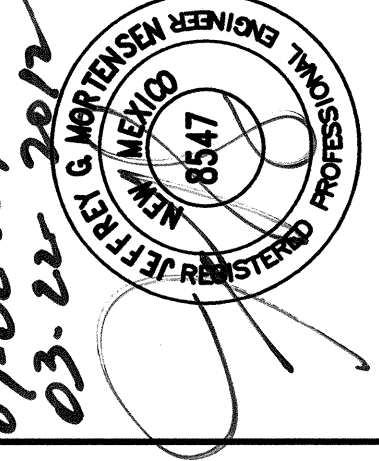
- 1/4" CHECKERED PLATE STEEL
- 1 1/2" O.D. STEEL PIPE HAND RAIL AND POSTS, BOLT W/ (2) 3/8" DIA. THRU BOLTS AT EA. VERTICAL PIPE
- ADJUST LANDING SUPPORT, SEE DETAILS 9 AND 10/A-1
- 2 1/2" O.D. STEEL PIPE SLEEVE, WELD TO CHANNELS
- 12"x12"x3/8" BASE PLATE
- 2" O.D. STEEL PIPE
- STEEL ANGLE 3"x3"x5/16"
- 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

P.A.P.A. CHARTER SCHOOL AT
BEL AIR ELEMENTARY SCHOOL

3000 ADAMS NE



REVISIONS

NO.	DATE	BY
1	02/12	BLE

PROJECT No. 2011.180.2
DESIGNED BY J.G.M.
DRAWN BY J.Y.R./E.J.S.
APPROVED BY J.G.M.
SHEET TITLE

TYPICAL APS
PORTABLE
CLASSROOM
RAMPS & STAIRS
A-1
SHEET 11 OF 11

RECORD DRAWING