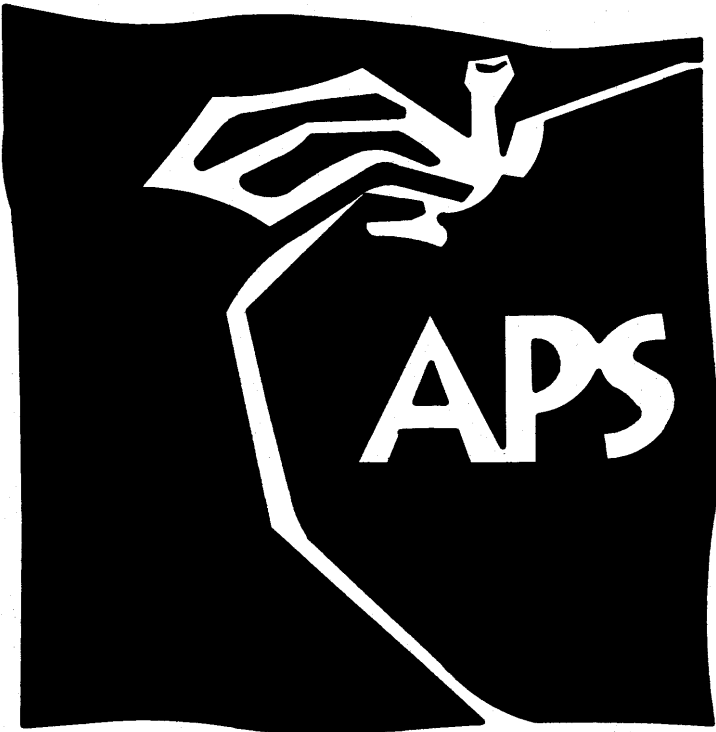


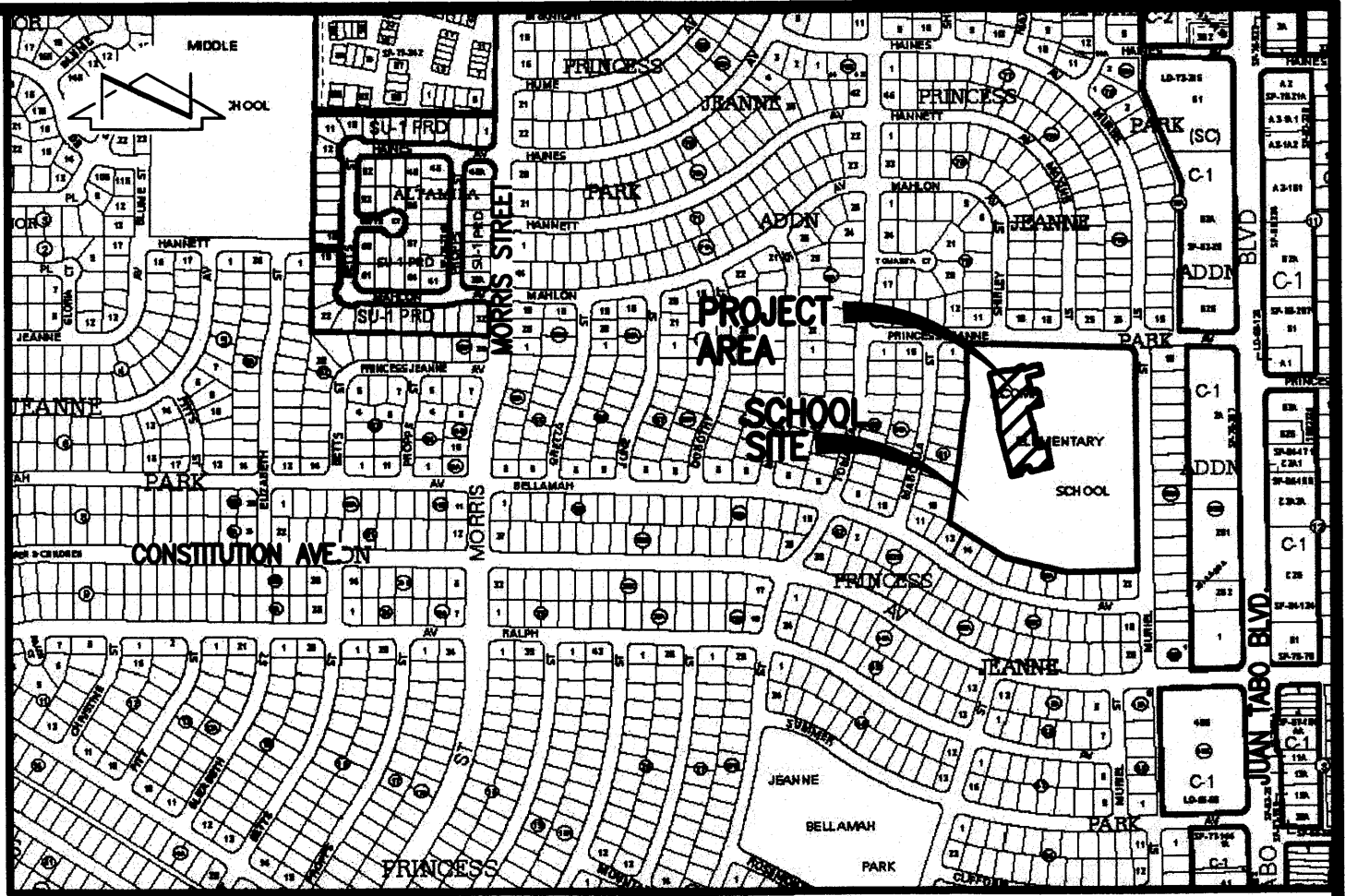
CONSTRUCTION PLANS
for
PAPA PORTABLE
CLASSROOM RELOCATIONS
ACOMA ELEMENTARY SCHOOL

11800 PRINCESS JEANNE AVENUE NE
ALBUQUERQUE, NEW MEXICO
JULY, 2016



INDEX OF DRAWINGS

SHEET	DESCRIPTION
1	COVER SHEET, VICINITY MAP, GENERAL NOTES AND INDEX OF DRAWINGS
2	OVERALL PLAN (FOR ORIENTATION)
3	DEMOLITION PLAN
4	SITE PLAN
5	HEADER CURB SECTIONS
6	PORTABLE CLASSROOM FOUNDATION PLAN
7	GRADING PLAN
8	DRAINAGE PLAN AND CALCULATIONS
9	GRADING, PAVING, RETAINING WALL AND DRAINAGE SECTIONS AND DETAILS
10	UTILITY SITE PLAN
11	PORTABLE CLASSROOM UTILITY CONNECTION SECTIONS AND DETAILS
12	ELECTRICAL PLAN



VICINITY MAP
SCALE: 1" = 750'

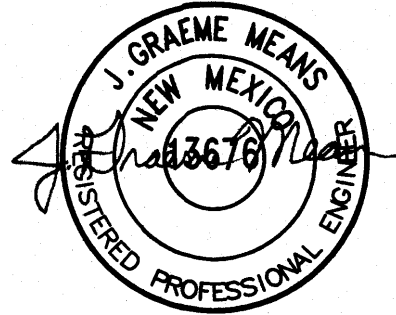
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GENERAL NOTES:

- 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, 811, FOR DESIGNATION (LINE-SPOTTING) OF EXISTING PUBLIC UTILITIES AND EXISTING UTILITIES OWNED AND OPERATED BY ALBUQUERQUE PUBLIC SCHOOLS.
- UTILITY INFORMATION SHOWN HEREON IS BASED UPON UTILITY INFORMATION SHOWN HEREON IS BASED UPON ONSITE SURFACE EVIDENCE, REVIEW OF AVAILABLE CITY OF ALBUQUERQUE RECORD DRAWINGS, AND UTILITY LINE-SPOTS PROVIDED BY HIGH MESA CONSULTING GROUP (AFS-SUE 2016.0173). IN ADDITION, UTILITY LINE-SPOTS WERE REQUESTED VIA THE NEW MEXICO ONE CALL SERVICE (TICKET NO. 16MY120577). UTILITY LINES THAT APPEAR ON THESE DRAWINGS 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, TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS INVESTIGATION IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
- SHOULD A CONFLICT EXIST BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY FOR ALL PARTIES.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING SAFETY AND HEALTH.
- THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY.
- THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
- CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO ENSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE ENGINEER. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF 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 CONDUCTED IN ACCORDANCE WITH OSHA 29 CFR 1926, SUBPART P-EXCAVATIONS.

JOB NO. 2015.183.9

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



07/11/2016

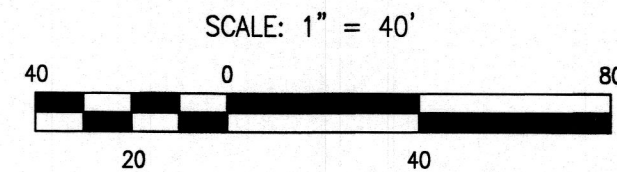
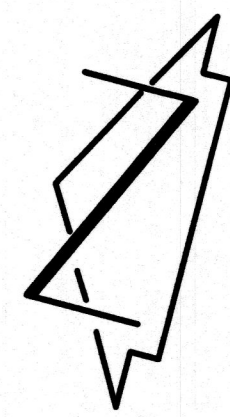
HIGH MESA Consulting Group

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

APPROVED FOR
CONSTRUCTION

C.E.

SHEET 1 OF 12



BENCHMARKS

PROJECT BENCHMARK

AGRS SURVEY CONTROL 3 1/4" ALUMINUM DISC STAMPED "15-J22 1990", SET FLUSH IN TOP OF CURB OF THE NORTHERN MEDIAN AT THE INTERSECTION OF CONSTITUTION AVENUE AND JUAN TABO BOULEVARD N.E.
ELEVATION = 5597.667 FEET (NAVD 1988)

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

A CHISELED "X" SET IN THE TOP OF A CONCRETE HEADER CURB NEAR THE SOUTHWEST CORNER OF A CLASSROOM BUILDING, AS SHOWN ON THIS SHEET.
ELEVATION = 5586.15 FEET (NAVD 1988)

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

A MAG NAIL SET IN A CONCRETE SIDEWALK NEAR THE CONCRETE RAMP, AS SHOWN ON THIS SHEET.
ELEVATION = 5581.45 FEET (NAVD 1988)

TEMPORARY BENCHMARK (T.B.M. #3)

A MAG NAIL SET IN A CONCRETE SIDEWALK NEAR THE BUS LOOP, AS SHOWN ON THIS SHEET.
ELEVATION = 5582.92 FEET (NAVD 1988)

SURVEY NOTE

THIS IS NOT A BOUNDARY SURVEY; APPARENT PROPERTY CORNERS SHOWN FOR ORIENTATION PURPOSES ONLY. THE BOUNDARY INFORMATION DEPICTED BY THIS PLAN IS BASED UPON THE BOUNDARY SURVEY PLAT PREPARED BY HIGH MESA CONSULTING GROUP, NMPS NO. 11184, FILED 02-22-1999, PLAT BOOK 995, PAGE 35 (981807). TOPOGRAPHIC AND UTILITY INFORMATION IS BASED UPON THE PARTIAL TOPOGRAPHIC AND UTILITY SURVEY PREPARED BY HIGH MESA CONSULTING GROUP, NMPS NO. 15075, DATED 05-23-2016 (2015.183.8).

EASEMENT KEYED NOTES

- ① 10' WATERLINE EASEMENT GRANTED BY DOCUMENT FILED 07-23-1956, BOOK D-357, PAGE 353
- ② 10' PNM AND MST&T EASEMENT GRANTED BY DOCUMENT FILED 08-14-1958, BOOK D-437, PAGE 578
- ③ 20' PUBLIC WATERLINE EASEMENT GRANTED BY DOCUMENT FILED 08-06-1999, BOOK 9907, PAGE 517, DOC. #1999060689



07/11/2016

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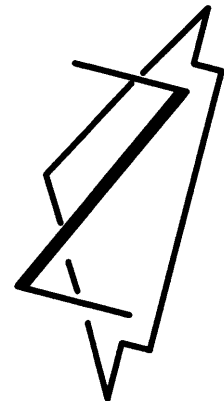
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OVERALL PLAN (FOR ORIENTATION)
PAPA PORTABLE CLASSROOM RELOCATIONS
ACOMA ELEMENTARY SCHOOL
11800 PRINCESS JEANNE AVENUE NE

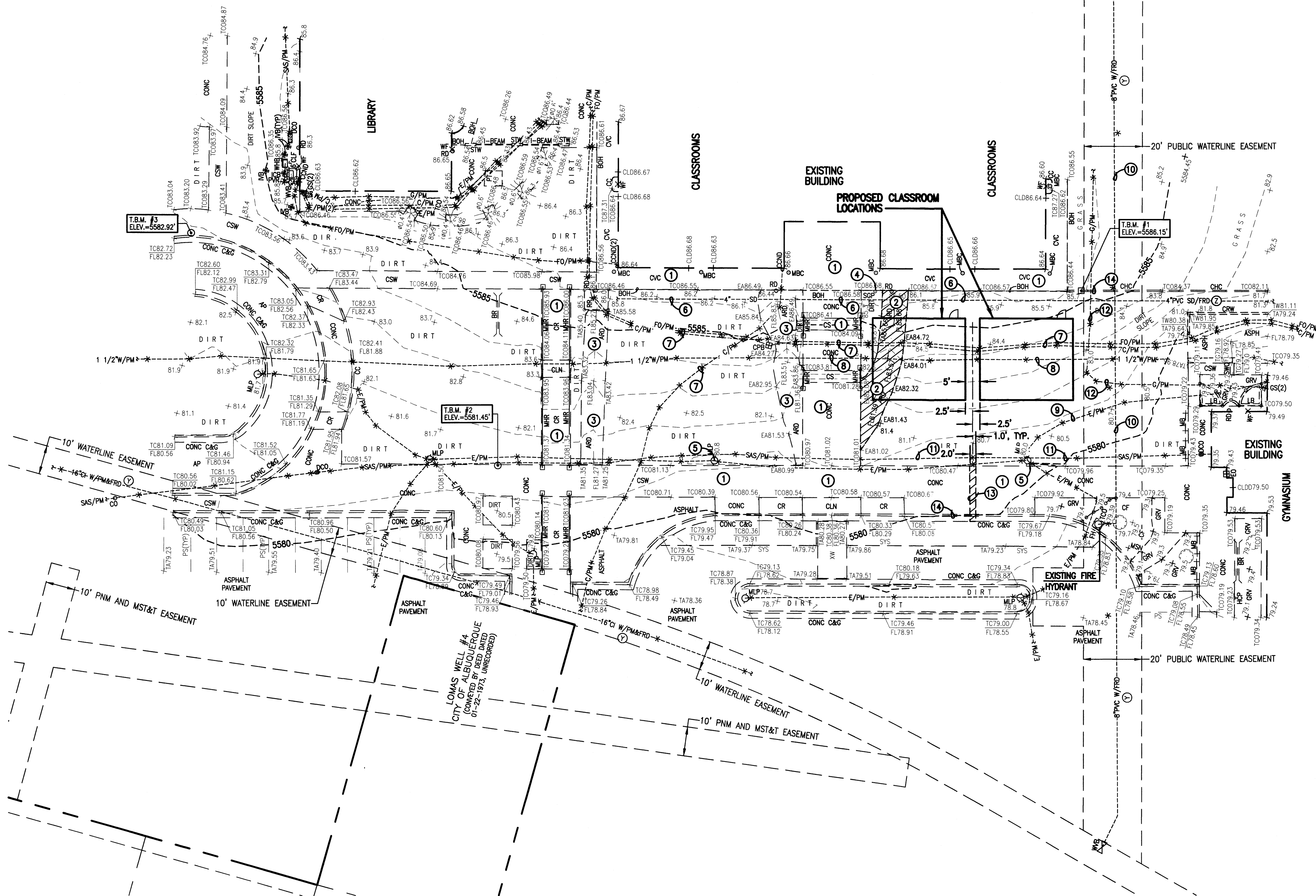
DESIGNED BY G.M.
DRAWN BY T.N.T./J.Y.R.
APPROVED BY G.M.

NO.	DATE	BY	REVISIONS

JOB NO.	2015.183.9
DATE	07-2016
SHEET	2 OF 12



SCALE: 1" = 20'



LEGEND

AP	ASPHALT PAVEMENT
ARD	ASPHALT RUNDOWN
ASPH	ASPHALT
BOH	BUILDING OVERHANG
BR	BIKE RACK
C&G	CURB AND GUTTER
C/PM	COMMUNICATION LINE BY PAINT MARK
CC	CONCRETE CURB
CCND	COMMUNICATION CONDUIT
CF	LANDSCAPING CRUSHER FINES
CHC	CONCRETE HEADER CURB
CI	CAST IRON PIPE
CLD	CENTERLINE DOOR
CLDD	CENTERLINE DOUBLE DOOR
CLF	CHAIN LINK FENCE
CLN	CONCRETE LANDING
CO	CLEANOUT
CONC	CONCRETE
CPB	COMMUNICATIONS PULLBOX
CR	CONCRETE RAMP
CRW	CONCRETE RETAINING WALL
CS	CONCRETE STEPS
CSW	CONCRETE SIDEWALK
CVC	COVERED CONCRETE
DCO	DOUBLE CLEANOUT
E/PM	ELECTRIC LINE BY PAINT MARK
EA	EDGE OF ASPHALT
EO	ELECTRIC OUTLET
FL	FIRE HYDRANT
FLW	FLOWLINE
FO/PM	FIBER OPTIC LINE BY PAINT MARK
FRD	UTILITY FROM RECORD DRAWING
G/PM	GAS LINE BY PAINT MARK
GA	GATE
GRV	LANDSCAPING GRAVEL
GS	GAS SERVICE
HCP	HANDICAPPED PARKING SIGN
ICB	IRRIGATION CONTROL BOX
IRB	IRRIGATION VALVE BOX
LB	LANDSCAPING BLOCKS
MB	METAL BENCH
MCB	METAL BUILDING COLUMN
MHR	METAL HAND RAIL
MPL	METAL LIGHT POLE WITH CONCRETE BASE
MSN	METAL SIGN
PS	PAINTED PARKING STALL STRIPE
PT	PICNIC TABLE
PVC	POLYVINYL CHLORIDE PIPE
PVR	POLYVINYL CHLORIDE PIPE RISER
RD	ROOF DRAIN
RR	LANDSCAPING RIVER ROCK
SAS/PM	SANITARY SEWER LINE BY PAINT MARK
SGP	STEEL GUARD POST
STW	STUCCO WALL
SWC	SIDEWALK CULVERT
SYS	PAINTED SOLID YELLOW TRAFFIC STRIPE
TA	TOP OF ASPHALT
TC	TOP OF CURB
TCO	TOP OF CONCRETE
TG	TOP OF GRATE
TW	TOP OF WALL
TYP	TYPICAL
W/PM	WATER LINE BY PAINT MARK
WF	OUTDOOR WATER FAUCET
WHB	WATER HOT BOX
WVB	WATER VALVE BOX
XW	PAINTED CROSSWALK
*	PAINTED UTILITY LINE MARK
1.0'φ	TREE TRUNK DIAMETER
	DECIDUOUS TREE
	SHRUB

BENCHMARKS

PROJECT BENCHMARK

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

A MAG NAIL SET IN A CONCRETE SIDEWALK NEAR THE CONCRETE RAMP, AS SHOWN ON THIS SHEET. ELEVATION = 5581.45 FEET (NAVD 1988)

TEMPORARY BENCHMARK (T.B.M. #3)

A MAG NAIL SET IN A CONCRETE SIDEWALK NEAR THE BUS LOOP, AS SHOWN ON THIS SHEET. ELEVATION = 5582.92 FEET (NAVD 1988)

RECORD DRAWING KEYED NOTES

- APPROXIMATE LOCATION OF WATERLINE AS DEPICTED ON THE RECORD DRAWING OF THE SITE PLAN OF ACOMA ELEMENTARY SCHOOL, PREPARED BY THIS FIRM DATED 05-26-2000
- APPROXIMATE LOCATION OF 4" DRAIN LINE AS DEPICTED ON THE DEVELOPED CONDITIONS SITE PLAN OF ACOMA ELEMENTARY SCHOOL, PREPARED BY THIS FIRM DATED 03-30-2006

CONSTRUCTION NOTES:

- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 811, FOR DESIGNATION (LINE-SPOTTING) OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INTERPRETATIONS IT MAKES WITHOUT FIRST CONTACTING THE ENGINEER AS REQUIRED ABOVE.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.
- UTILITY INFORMATION SHOWN HEREON IS BASED UPON ONSITE SURFACE EVIDENCE, REVIEW OF AVAILABLE CITY OF ALBUQUERQUE DISTRIBUTION MAPS, APS RECORD DRAWINGS AND UTILITY LINE-SPOTS PROVIDED BY HIGH MESA CONSULTING GROUP (APS-SUE 2016.0173). IN ADDITION, UTILITY LINE-SPOTS WERE REQUESTED VIA THE NEW MEXICO ONE CALL SERVICE (TICKET NO. 16MY120577). UTILITY LINES THAT APPEAR ON THESE DRAWINGS 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, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.

DEMOLITION KEYED NOTES

- EXISTING CONCRETE SIDEWALK AND STAIRS TO REMAIN (DO NOT DISTURB)
- REMOVE AND DISPOSE OF EXISTING ASPHALTIC CONCRETE RUNDOWN
- EXISTING ASPHALT CONCRETE RUNDOWN TO REMAIN (DO NOT DISTURB)
- REMOVE AND DISPOSE OF EXISTING STEEL POST.
- EXISTING LIGHT POLE AND BASE TO REMAIN (DO NOT DISTURB)
- EXISTING DRAIN LINE AND INFILTRATION TRENCH TO REMAIN (DO NOT DISTURB)
- EXISTING FIBER OPTIC AND COMMUNICATIONS LINES TO REMAIN (DO NOT DISTURB)
- EXISTING WATER LINE TO REMAIN (DO NOT DISTURB)
- EXISTING ELECTRIC (LIGHTING) LINE TO REMAIN (DO NOT DISTURB)
- EXISTING PUBLIC WATER LINE TO REMAIN (DO NOT DISTURB)
- EXISTING SANITARY SEWER LINE TO REMAIN (DO NOT DISTURB)
- EXISTING NATURAL GAS LINE TO REMAIN (DO NOT DISTURB)
- NEATLY SAWCUT, REMOVE AND DISPOSE OF EXISTING SIDEWALK TO ALLOW INSTALLATION OF NEW SIDEWALK CULVERT
- EXISTING CURB TO REMAIN

SURVEY NOTE

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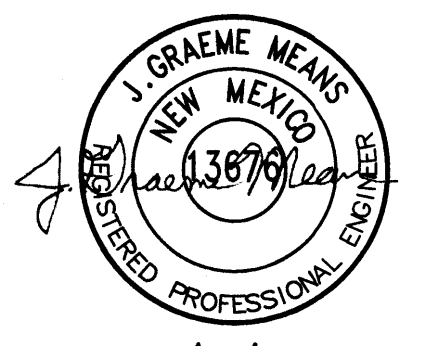
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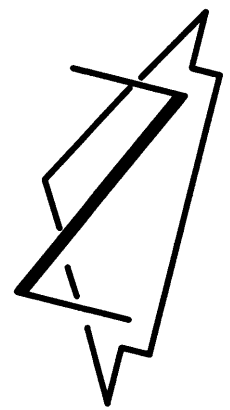
DEMOLITION PLAN PAPA PORTABLE CLASSROOM RELOCATIONS ACOMA ELEMENTARY SCHOOL 11800 PRINCESS JEANNE AVENUE NE

DESIGNED BY G.M.
DRAWN BY T.N.T./J.T.R.
APPROVED BY G.M.

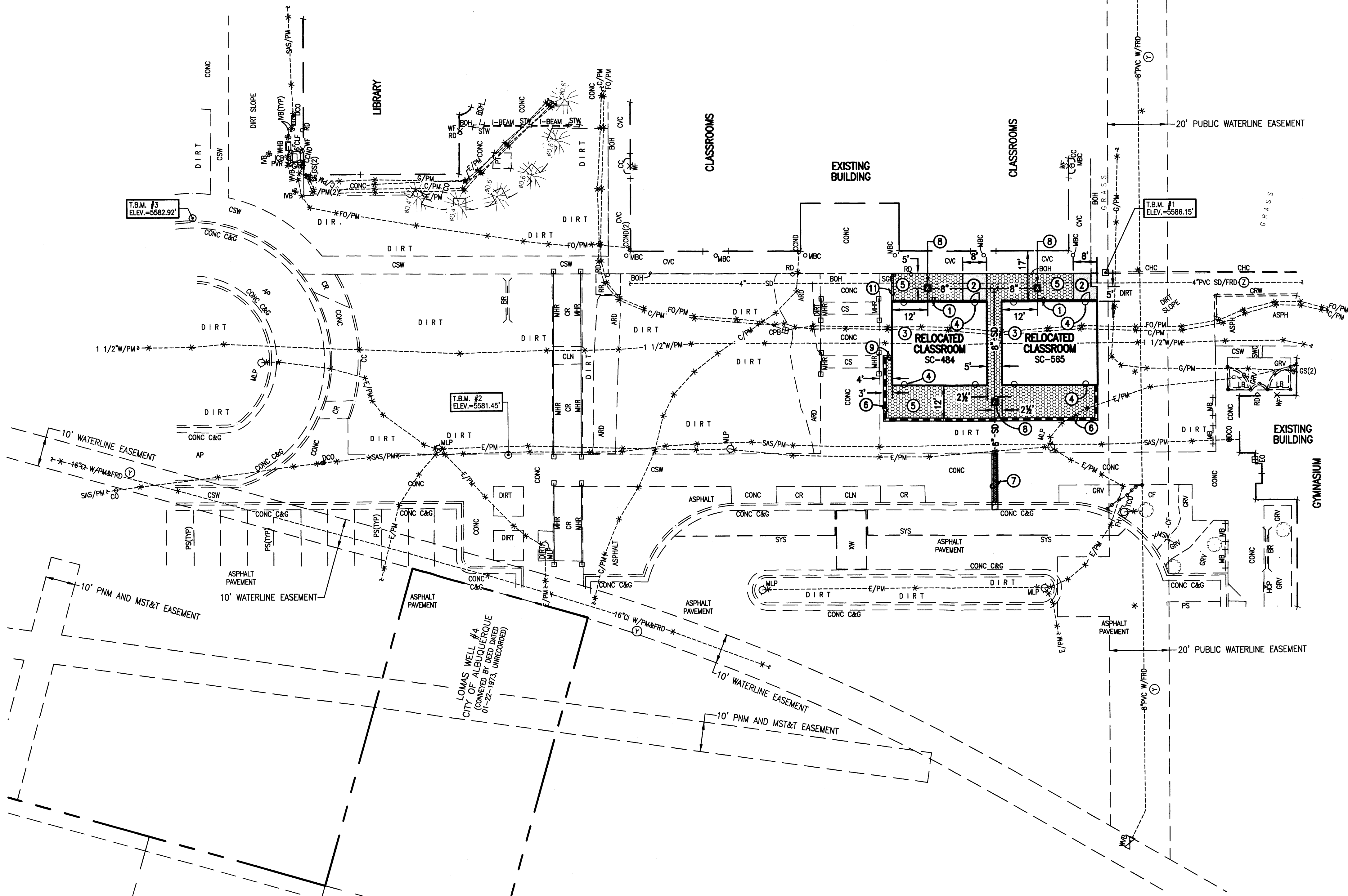
NO.	DATE	BY	REVISIONS	JOB NO.
				2015.183.9
				DATE 07-2016
				SHEET 3 OF 12



07/11/2016



SCALE: 1" = 20'



LEGEND

AP	ASPHALT PAVEMENT
ARD	ASPHALT RUNDOWN
ASPH	ASPHALT
BOH	BUILDING OVERHANG
BR	BIKE RACK
C&G	CURB AND GUTTER
C/PM	COMMUNICATION LINE BY PAINT MARK
CC	CONCRETE CURB
CCND	CONCRETE CONDUIT
CF	LANDSCAPING CRUSHER FINES
CHC	CONCRETE HEADER CURB
CI	CAST IRON PIPE
CLD	CENTERLINE DOOR
CLDD	CENTERLINE DOUBLE DOOR
CLF	CHAIN LINK FENCE
CLN	CONCRETE LANDING
CO	CLEANOUT
CONC	CONCRETE
CPB	CONCRETE RAMP
CR	CONCRETE RETAINING WALL
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CS	CONCRETE STEPS
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IRV	IRRIGATION VALVE BOX
LB	LANDSCAPING BLOCKS
MB	METAL BENCH
MBC	METAL BUILDING COLUMN
MHR	METAL HAND RAIL
MLP	METAL LIGHT POLE WITH CONCRETE BASE
MSN	METAL SIGN
PT	PAINTED PARKING STALL STRIPE
PVC	PICNIC TABLE
PVR	POLYVINYL CHLORIDE PIPE
RD	ROOF DRAIN
RR	LANDSCAPING RIVER ROCK
SAS/PM	SANITARY SEWER LINE BY PAINT MARK
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STW	STUCCO WALL
SWC	SIDEWALK CULVERT
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TYP	TOP OF WALL
W/PM	WATER LINE BY PAINT MARK
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WHB	WATER HOT BOX
WVB	WATER VALVE BOX
XW	PAINTED CROSSWALK
*	PAINTED UTILITY LINE MARK
1.0"	TREE TRUNK DIAMETER
	DECIDUOUS TREE
	SHRUB
	PROPOSED CHAIN LINK FENCE
	PROPOSED CONCRETE
	PROPOSED ASPHALT PAVING
	CRUSHER FINES
	PROPOSED SEGMENTAL RETAINING WALL

SITE PLAN KEYED NOTES:

1. CONSTRUCT HEADER CURB ALONG FRONT OF BUILDINGS PER TYPICAL SECTION, SEE SHEET 5
2. CONSTRUCT PEDESTRIAN ASPHALT PAVEMENT PER TYPICAL SECTION, SEE SHEET 9
3. INSTALL (RELOCATED FROM PAPA AT BEL AIR ELEMENTARY SCHOOL SITE) CLASSROOMS SC-565 AND SC-484
4. PIER LOCATION PER FOUNDATION PLAN, SEE SHEET 6, TYPICAL OF 8
5. INSTALL CRUSHER FINES, 4" THICK OVER LANDSCAPE FABRIC
6. RETAINING WALL, SEE SHEETS 7 AND 9
7. SIDEWALK CULVERT, SEE SHEET 7
8. NEW 18"x18" STORM INLET, SEE SHEET 7
9. CONSTRUCT HEADER CURB PER TYPICAL SECTION, SEE SHEET 5

BENCHMARKS:

- PROJECT BENCHMARK**
AGRS SURVEY CONTROL 3 1/4" ALUMINUM DISC STAMPED "15-J22 1990", SET FLUSH IN TOP OF CURB OF THE NORTHERN MEDIAN AT THE INTERSECTION OF CONSTITUTION AVENUE AND JUAN TABO BOULEVARD N.E. ELEVATION = 5597.667 FEET (NAVD 1988)
- TEMPORARY BENCHMARK (T.B.M. #1)**
A CHISELED "X" SET IN THE TOP OF A CONCRETE HEADER CURB NEAR THE SOUTHWEST CORNER OF A CLASSROOM BUILDING, AS SHOWN ON THIS SHEET.
ELEVATION = 5586.15 FEET (NAVD 1988)
- TEMPORARY BENCHMARK (T.B.M. #2)**
A MAG NAIL SET IN A CONCRETE SIDEWALK NEAR THE CONCRETE RAMP, AS SHOWN ON THIS SHEET.
ELEVATION = 5581.45 FEET (NAVD 1988)
- TEMPORARY BENCHMARK (T.B.M. #3)**
A MAG NAIL SET IN A CONCRETE SIDEWALK NEAR THE BUS LOOP, AS SHOWN ON THIS SHEET.
ELEVATION = 5582.92 FEET (NAVD 1988)

RECORD DRAWING KEYED NOTES

1. APPROXIMATE LOCATION OF WATERLINE AS DEPICTED ON THE RECORD DRAWING OF THE SITE PLAN OF ACOMA ELEMENTARY SCHOOL, PREPARED BY THIS FIRM DATED 05-26-2000
2. APPROXIMATE LOCATION OF 4" DRAIN LINE AS DEPICTED ON THE DEVELOPED CONDITIONS SITE PLAN OF ACOMA ELEMENTARY SCHOOL, PREPARED BY THIS FIRM DATED 03-30-2006

CONSTRUCTION NOTES:

1. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 811, FOR DESIGNATION (LINE-SPOTTING) OF EXISTING UTILITIES.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INTERPRETATIONS IT MAKES WITHOUT FIRST CONTACTING THE ENGINEER AS REQUIRED ABOVE.
3. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
4. ALL CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE CITY OF ALBUQUERQUE STANDARDS AND PROCEDURES.
5. UTILITY INFORMATION SHOWN HEREON IS BASED UPON ON-SITE SURFACE EVIDENCE, REVIEW OF AVAILABLE CITY OF ALBUQUERQUE DISTRIBUTION MAPS, APS RECORD DRAWINGS AND UTILITY LINE-SPOTS PROVIDED BY HIGH MESA CONSULTING GROUP (APS-SUE 2016.0173). IN ADDITION, UTILITY LINE-SPOTS WERE REQUESTED VIA THE NEW MEXICO ONE CALL SERVICE (TICKET NO. 16MY120577). UTILITY LINES THAT APPEAR ON THESE DRAWINGS 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.

SURVEY NOTE

THIS IS NOT A BOUNDARY SURVEY; APPARENT PROPERTY CORNERS ARE SHOWN FOR ORIENTATION PURPOSES ONLY. THE BOUNDARY INFORMATION DEPICTED BY THIS PLAN IS BASED UPON THE BOUNDARY SURVEY PLAT PREPARED BY HIGH MESA CONSULTING GROUP, NMPS NO. 11184, FILED 02-22-1999, PLAT BOOK 99S, PAGE 35 (981807). TOPOGRAPHIC AND UTILITY INFORMATION IS BASED UPON THE PARTIAL TOPOGRAPHIC AND UTILITY SURVEY PREPARED BY HIGH MESA CONSULTING GROUP, NMPS NO. 15075, DATED 05-23-2016 (2015.183.8).

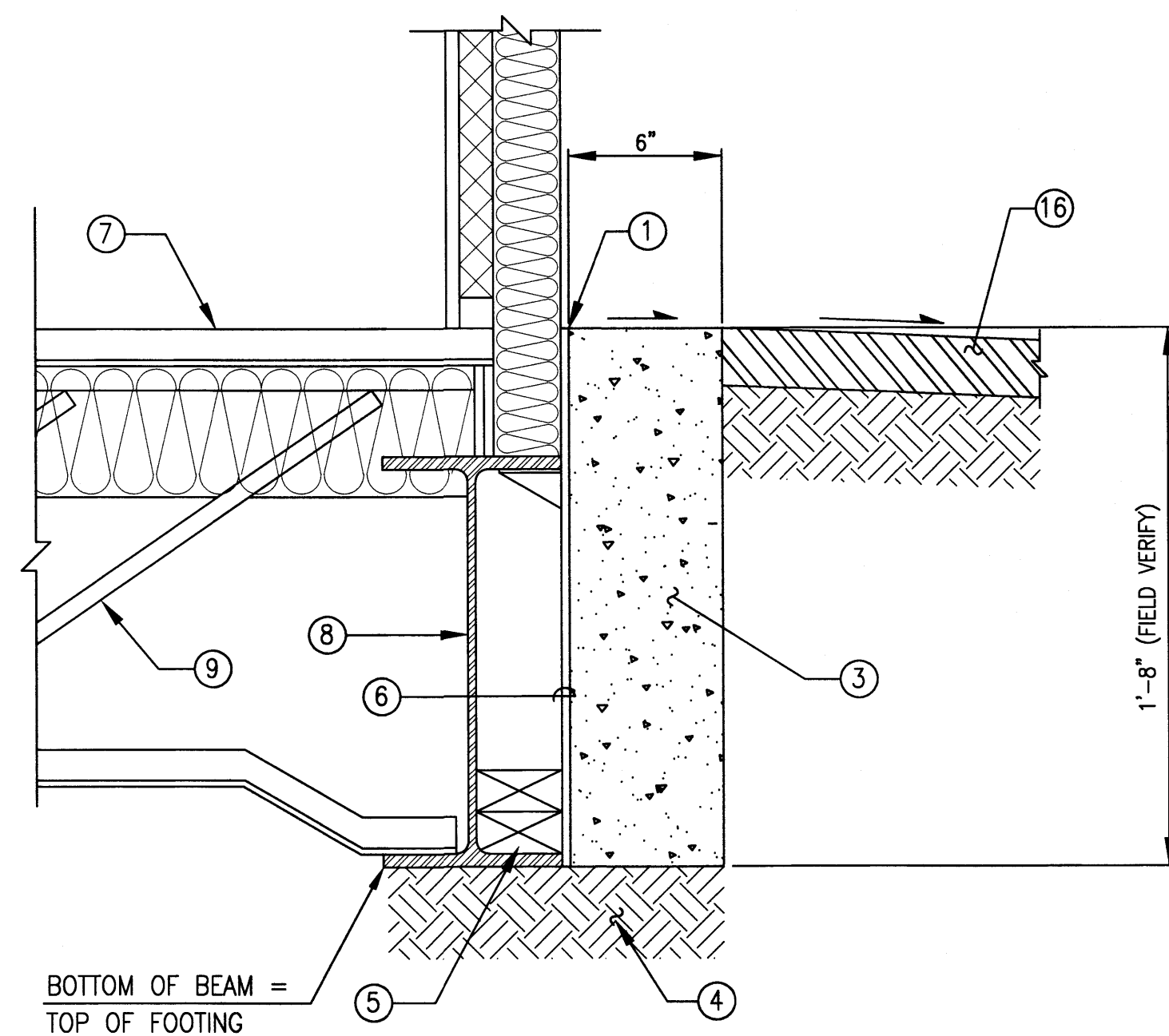
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SITE PLAN
PAPA PORTABLE CLASSROOM RELOCATIONS
ACOMA ELEMENTARY SCHOOL
11800 PRINCESS JEANNE AVENUE NE

DESIGNED BY G.M.
DRAWN BY T.N.T./J.Y.R.
APPROVED BY G.M.

NO.	DATE	BY	REVISIONS	JOB NO.
				2015.183.9
				DATE
				07-2016
				SHEET
				4 OF 12

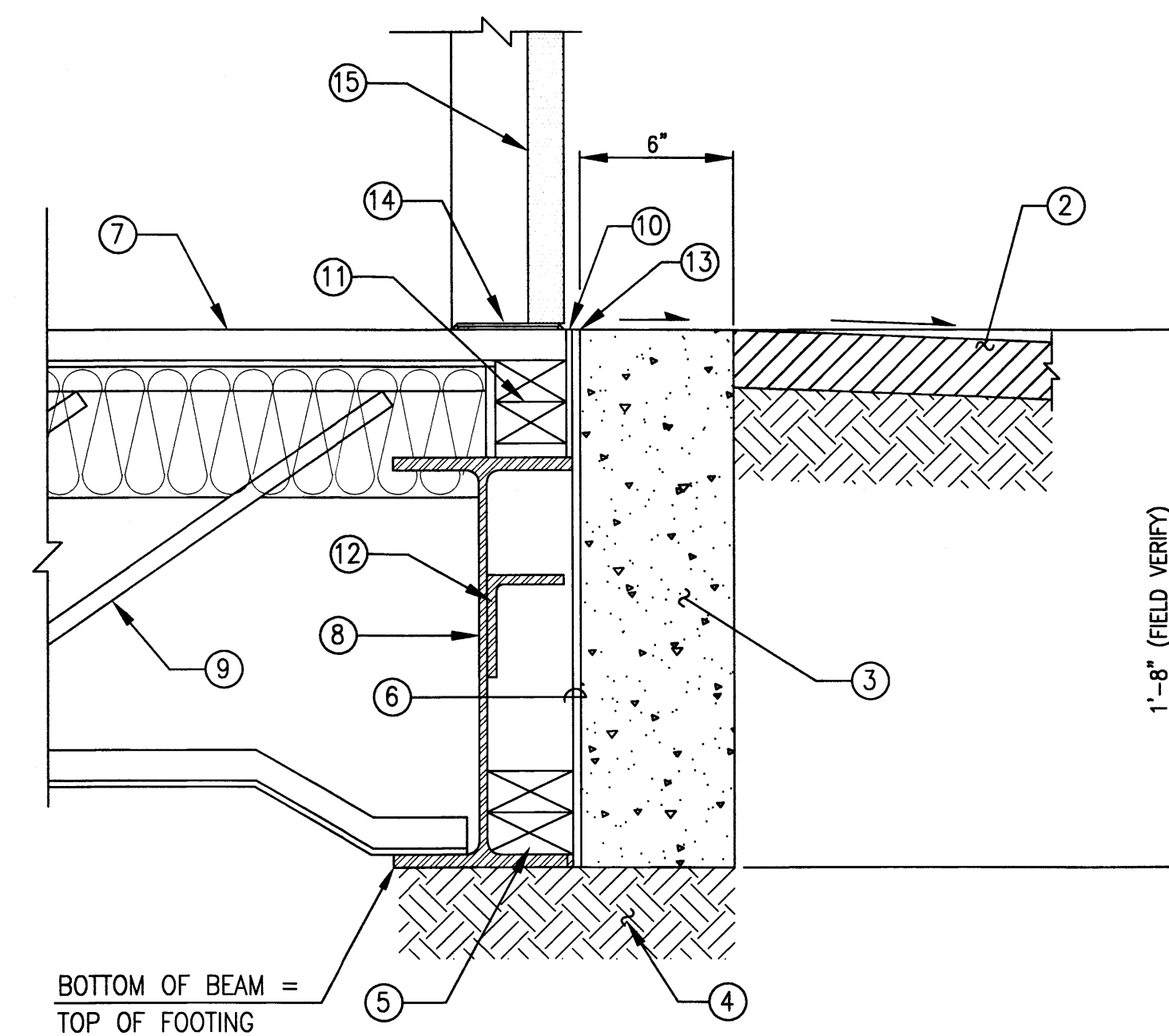




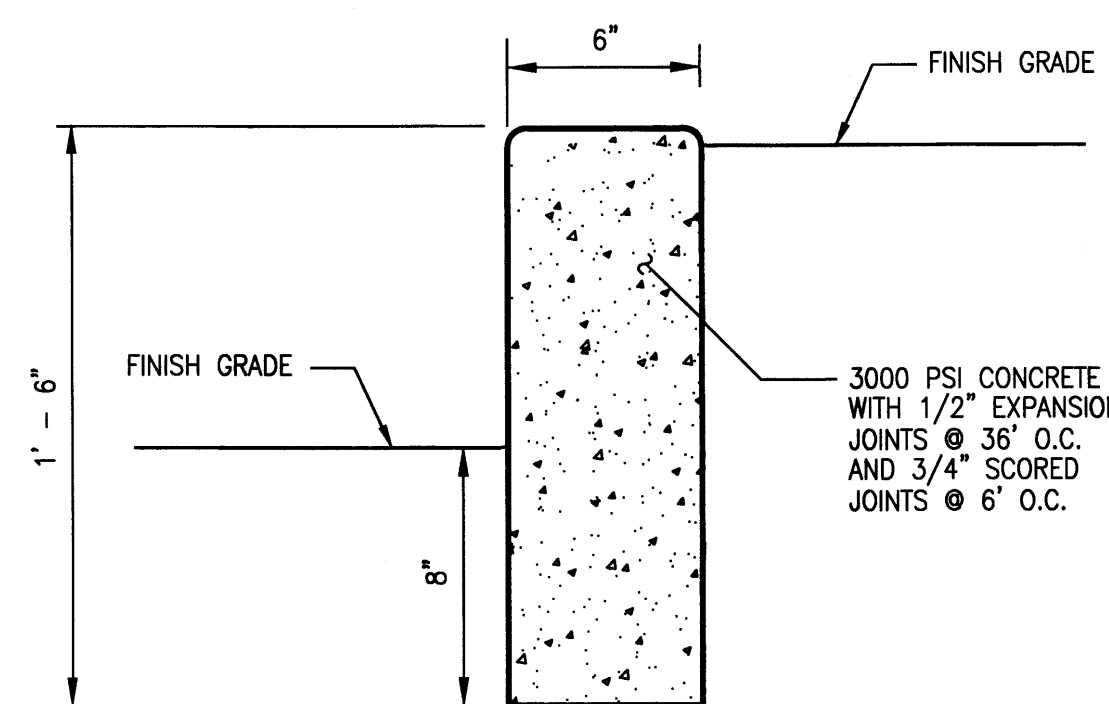
C1 TYPICAL PERIMETER (HEADER) CURB AT BUILDING SECTION
SCALE: 1" = 0'-6"

KEYED NOTES

- ① TOP OF CURB AT OR JUST BELOW FINISHED FLOOR ELEVATION
- ② NEW 2" ASPHALTIC CONCRETE PAVING PER TYPICAL SECTION
- ③ CONSTRUCT 3000 PSI CONCRETE HEADER CURB
- ④ 12" SUBGRADE COMPACTED @ 95% ASTM D-1557 (TYPICAL)
- ⑤ INSTALL 2"x4" WOOD BLOCKING (TREATED)
- ⑥ INSTALL 5/8" (MIN.) CEMENT BOARD AS "LEAVE IN-PLACE" FORM
- ⑦ FINISHED FLOOR ELEVATION
- ⑧ STEEL BEAM, W-16x40 (EXISTING)
- ⑨ STEEL BAR JOIST (EXISTING)
- ⑩ SILL FLASHING (EXISTING)
- ⑪ WOOD BLOCKING (EXISTING)
- ⑫ STEEL ANGLE 4"x3"x 5/8"x8' LONG, WELDED TO W16x40 WITH ONE 5/8" DIA. BOLT (EXISTING)
- ⑬ SET TOP OF CURB NOT MORE THAN 3/8" BELOW TOP OF BEVELED THRESHOLD FOR ADA COMPLIANCE
- ⑭ EXISTING THRESHOLD
- ⑮ EXISTING DOOR
- ⑯ NEW 4" THICK CRUSHER FINES OVER LANDSCAPE FABRIC



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



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

SURVEY NOTE

THIS IS NOT A BOUNDARY SURVEY; APPARENT PROPERTY CORNERS ARE SHOWN FOR ORIENTATION PURPOSES ONLY. THE BOUNDARY INFORMATION DEPICTED BY THIS PLAN IS BASED UPON THE BOUNDARY SURVEY PLAT PREPARED BY HIGH MESA CONSULTING GROUP, NMPS NO. 11184, FILED 02-22-1999, PLAT BOOK 99S, PAGE 35 (981807). TOPOGRAPHIC AND UTILITY INFORMATION IS BASED UPON THE PARTIAL TOPOGRAPHIC AND UTILITY SURVEY PREPARED BY HIGH MESA CONSULTING GROUP, NMPS NO. 15075, DATED 05-23-2016 (2015.183.8).

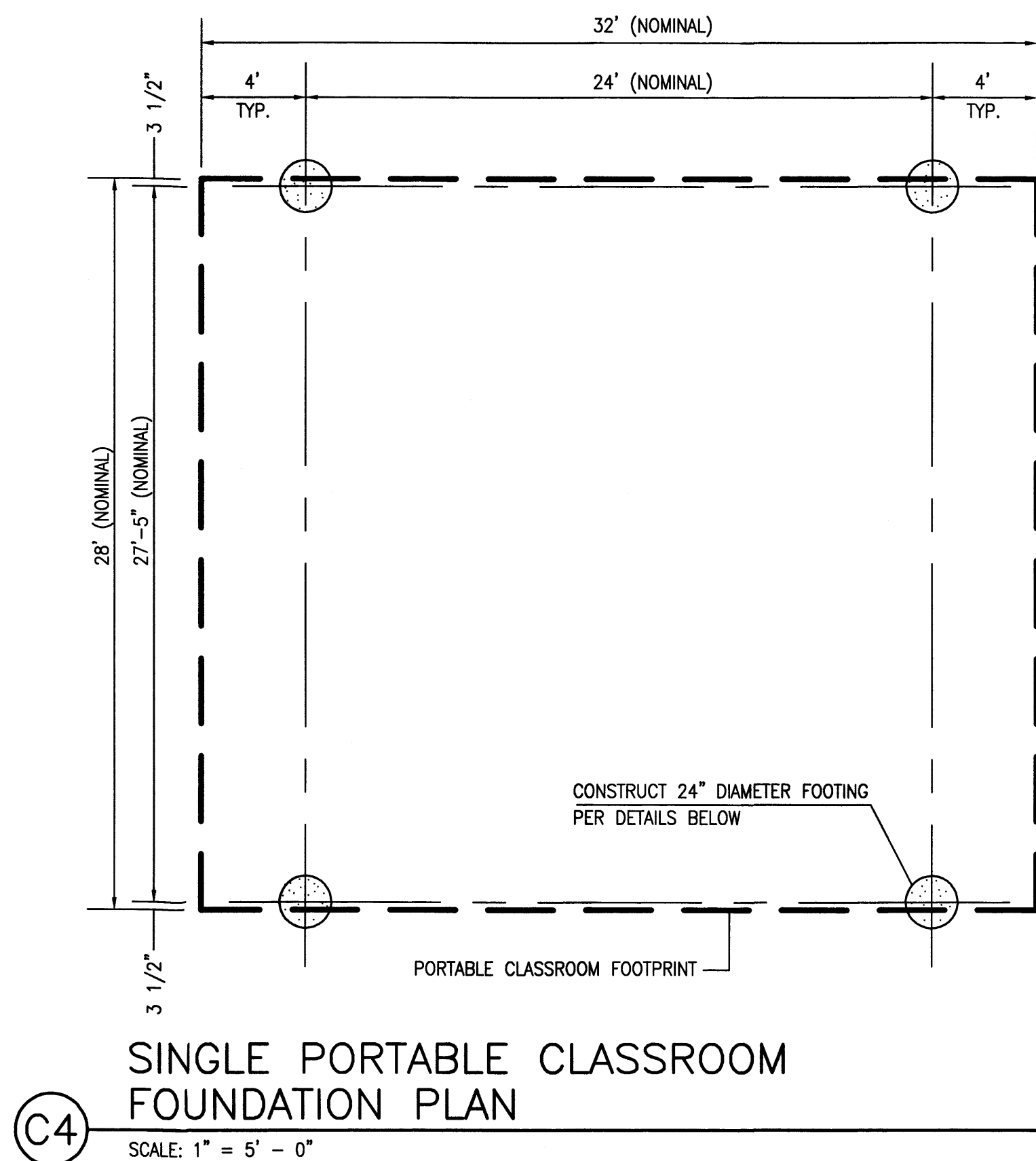
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HEADER CURB SECTIONS
PAPA PORTABLE CLASSROOM RELOCATIONS
ACOMA ELEMENTARY SCHOOL
11800 PRINCESS JEANNE AVENUE NE

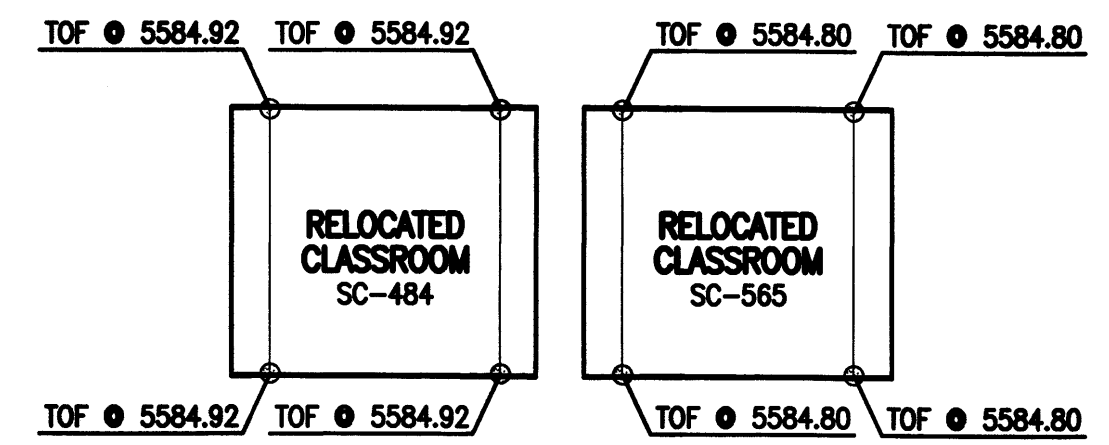
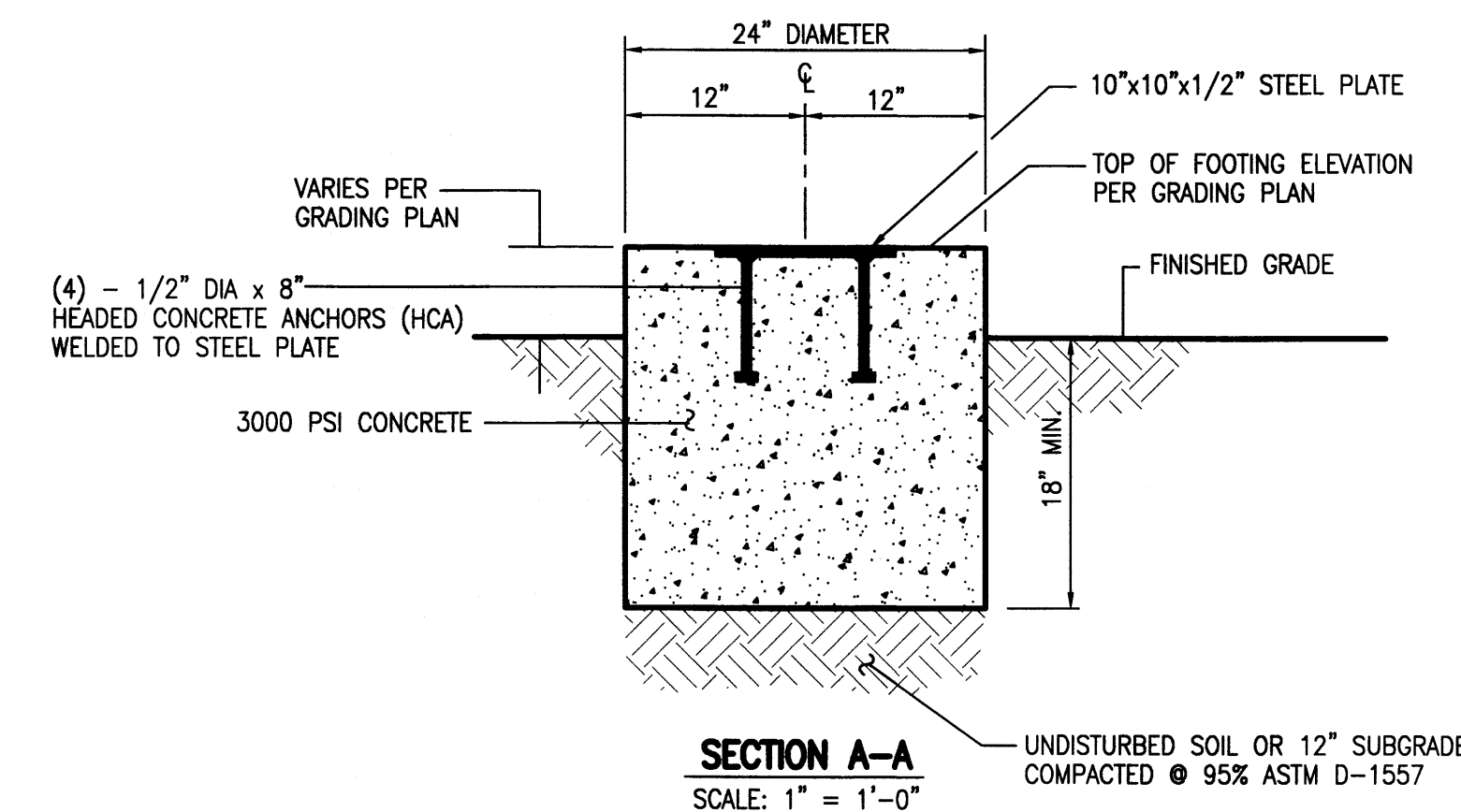
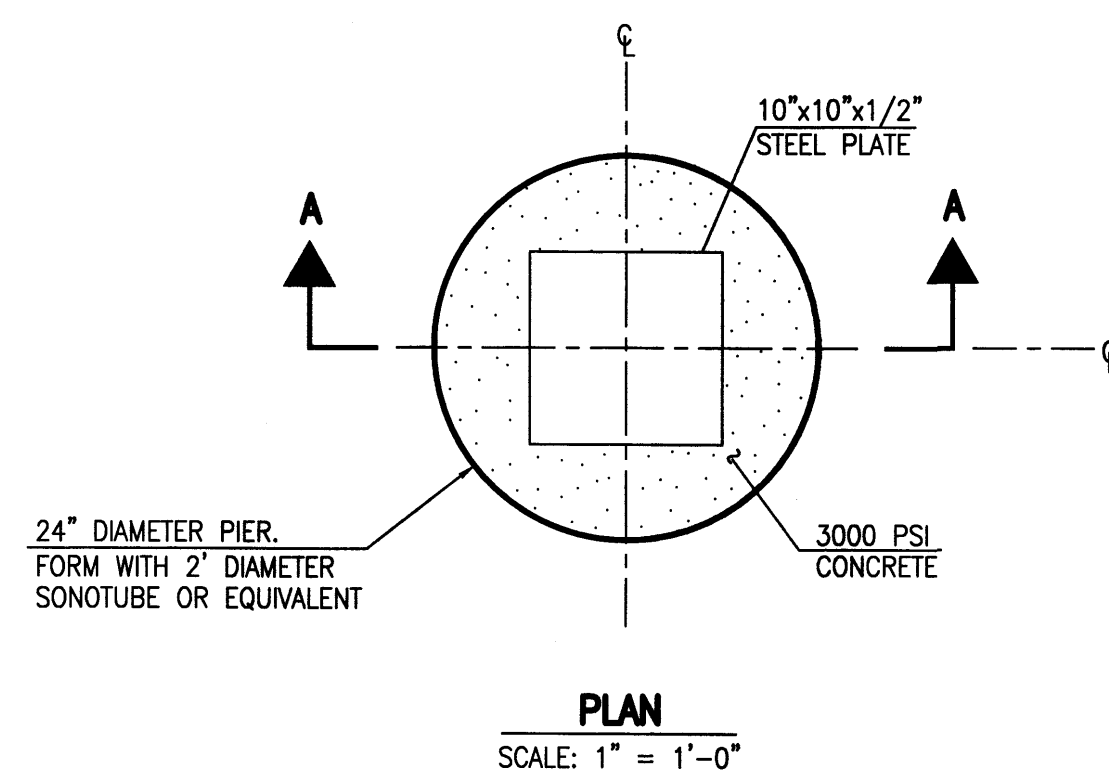
DESIGNED BY	DATE	BY	REVISIONS	JOB NO.
G.M.				2015.183.9
DRAWN BY	DATE	BY	REVISIONS	JOB NO.
T.N.T./J.Y.R.				07-2016
APPROVED BY	DATE	BY	REVISIONS	JOB NO.
G.M.				07-2016
				5 OF 12



07/11/2016

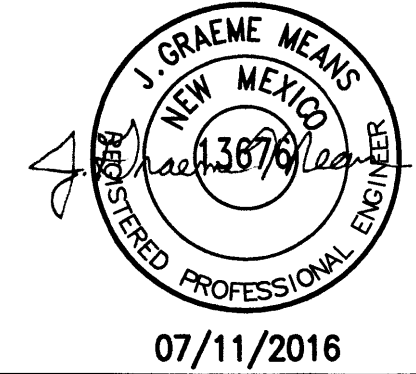


- FOUNDATION AND PORTABLE INSTALLATION NOTES;**
1. FOUNDATION LOCATIONS SHALL BE STAKED BY THE PROJECT SURVEYOR UNDER CONTRACT WITH THE OWNER.
 2. THE CONTRACTOR SHALL NOTIFY THE ENGINEER WHEN FOUNDATIONS HAVE BEEN EXCAVATED AND ALL FORMS SET.
 3. PRIOR TO POURING FOUNDATIONS, THE ENGINEER, OR HIS REPRESENTATIVE, 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"



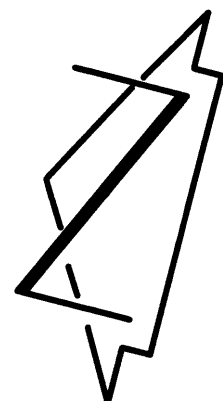
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HIGH MESA Consulting Group

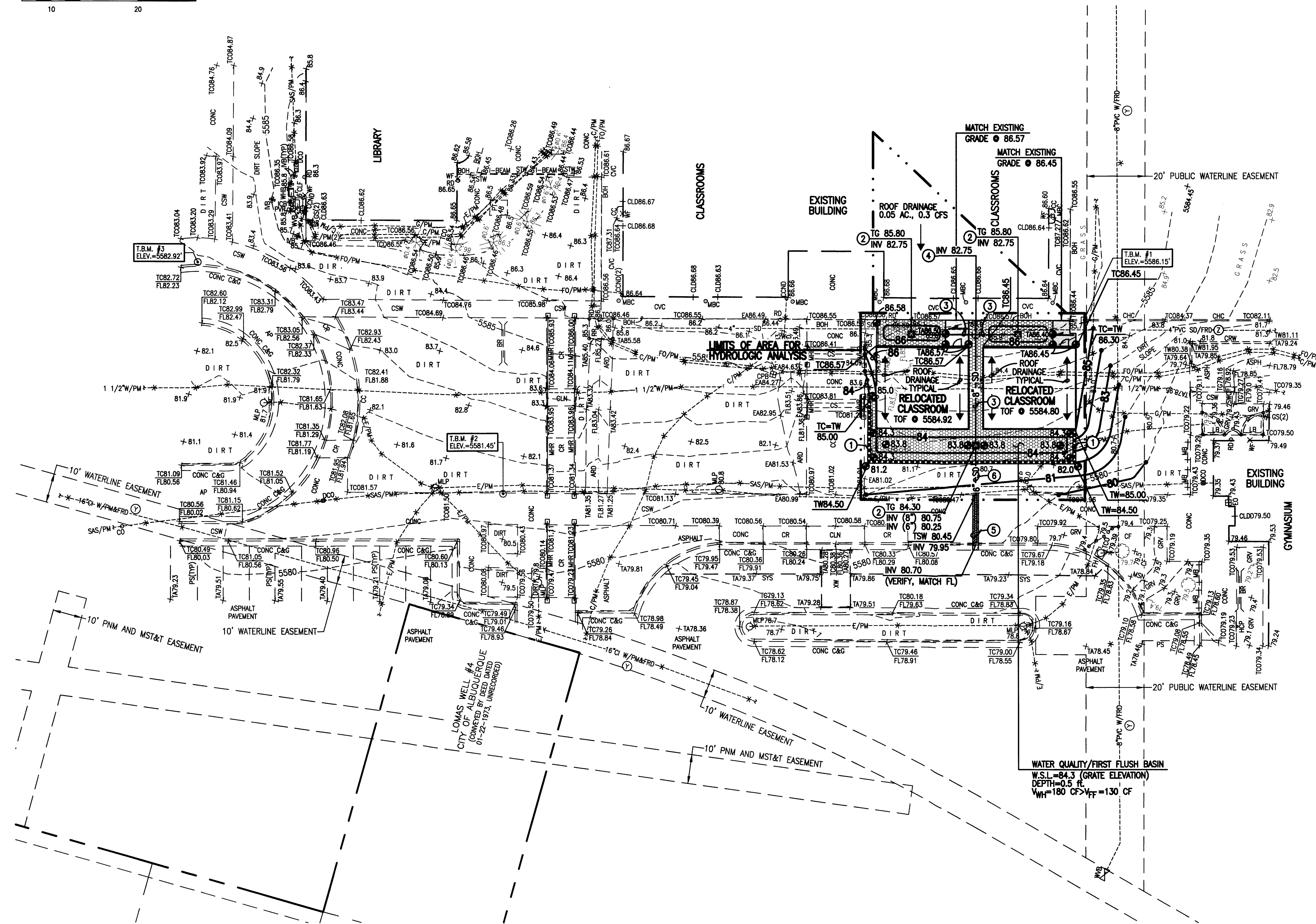
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**PORTABLE CLASSROOM FOUNDATION PLAN
PAPA PORTABLE CLASSROOM RELOCATIONS
ACOMA ELEMENTARY SCHOOL
11800 PRINCESS JEANNE AVENUE NE**

DESIGNED BY	G.M.	NO.	DATE	BY	REVISIONS	JOB NO.
DRAWN BY	T.N.T./J.Y.R.					2015.183.9
APPROVED BY	G.M.					DATE
						07-2016
						SHEET
						6 OF 12



SCALE: 1" = 20'



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.
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LEGEND

AP	ASPHALT PAVEMENT
ARD	ASPHALT RUNDOWN
ASPH	ASPHALT
BOH	BUILDING OVERHANG
BR	BIKE RACK
C&G	CURB AND GUTTER
C/PM	COMMUNICATION LINE BY PAINT MARK
CC	CONCRETE CURB
CCND	COMMUNICATION CONDUIT
CF	LANDSCAPING CRUSHER FINES
CHC	CONCRETE HEADER CURB
CI	CAST IRON PIPE
CLD	CENTERLINE DOOR
CLDD	CENTERLINE DOUBLE DOOR
CLF	CHAIN LINK FENCE
CLN	CONCRETE LANDING
CLN	CLEANOUT
CONC	CONCRETE
CPB	COMMUNICATIONS PULLBOX
CR	CONCRETE RAMP
CRW	CONCRETE RETAINING WALL
CS	CONCRETE STEPS
CSW	CONCRETE SIDEWALK
CVC	COVERED CONCRETE
DDO	DOUBLE CLEANOUT
E/PM	ELECTRIC LINE BY PAINT MARK
EO	EDGE OF ASPHALT
EO	ELECTRIC OUTLET
FH	FIRE HYDRANT
FL	FLOWLINE
FO/PM	FIBER OPTIC LINE BY PAINT MARK
FRD	UTILITY FROM RECORD DRAWING
G/PM	GAS LINE BY PAINT MARK
GA	GATE
GRV	LANDSCAPING GRAVEL
GS	GAS SERVICE
HCP	HANDICAPPED PARKING SIGN
ICB	IRRIGATION CONTROL BOX
IVB	IRRIGATION VALVE BOX
LB	LANDSCAPING BLOCKS
MB	METAL BENCH
MBC	METAL BUILDING COLUMN
MHR	METAL HAND RAIL
MLP	METAL LIGHT POLE WITH CONCRETE BASE
MSN	PAINTED PARKING STALL STRIPE
PT	PICNIC TABLE
PVC	POLYVINYL CHLORIDE PIPE
PVR	POLYVINYL CHLORIDE PIPE RISER
RD	ROOF DRAIN
RDR	LANDSCAPING RIVER ROCK
SAS/PM	SEWER LINE BY PAINT MARK
SGP	STEEL GUARD POST
STW	STUCCO WALL
SWC	SIDEWALK CULVERT
SYS	PAINTED SOLID YELLOW TRAFFIC STRIPE
TA	TOP OF ASPHALT
TC	TOP OF CURB
TCO	TOP OF CONCRETE
TG	TOP OF GRATE
TW	TYPICAL
TYP	TYPICAL
W/PM	WATER LINE BY PAINT MARK
WF	OUTDOOR WATER FAUCET
WHB	WATER HOT BOX
WVB	WATER VALVE BOX
XW	PAINTED CROSSWALK
*	PAINTED UTILITY LINE MARK
1.0"Ø	TREE TRUNK DIAMETER
	DECIDUOUS TREE
	SHRUB
INV	INVERT
TA	TOP OF ASPHALT PAVEMENT
TC	TOP OF CURB
TG	TOP OF GRATE
+ 81.28	EXISTING SPOT ELEVATION
• 86.40	PROPOSED SPOT ELEVATION
---	EXISTING FLOWLINE
---	PROPOSED FLOWLINE
---	EXISTING CONTOUR
---	PROPOSED CONTOUR
---	EXISTING DIRECTION OF FLOW
---	PROPOSED DIRECTION OF FLOW
---	PUBLIC EASEMENT LINE
---	HIGH POINT / DIVIDE
---	PROPOSED CHAIN LINK FENCE
---	PROPOSED DRAINAGE BASIN BOUNDARY
---	LIMITS OF HYDROLOGIC ANALYSIS
	PROPOSED CONCRETE
	PROPOSED ASPHALT PAVING
	PROPOSED CRUSHER FINES
	PROPOSED SEGMENTAL RETAINING WALL

BENCHMARKS

- PROJECT BENCHMARK**
AGRS SURVEY CONTROL 3 1/4" ALUMINUM DISC STAMPED "15-J22 1990", SET FLUSH IN TOP OF CURB OF THE NORTHERN MEDIAN AT THE INTERSECTION OF CONSTITUTION AVENUE AND JUAN TABO BOULEVARD N.E.
ELEVATION = 5597.667 FEET (NAVD 1988)
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ELEVATION = 5581.45 FEET (NAVD 1988)
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A MAG NAIL SET IN A CONCRETE SIDEWALK NEAR THE BUS LOOP, AS SHOWN ON THIS SHEET.
ELEVATION = 5582.92 FEET (NAVD 1988)

RECORD DRAWING KEYED NOTES

1. APPROXIMATE LOCATION OF WATERLINE AS DEPICTED ON THE RECORD DRAWING OF THE SITE PLAN OF ACOMA ELEMENTARY SCHOOL, PREPARED BY THIS FIRM DATED 05-26-2000
2. APPROXIMATE LOCATION OF 4" DRAIN LINE AS DEPICTED ON THE DEVELOPED CONDITIONS SITE PLAN OF ACOMA ELEMENTARY SCHOOL, PREPARED BY THIS FIRM DATED 03-30-2006

EASEMENT KEYED NOTES

1. 10' WATERLINE EASEMENT GRANTED BY DOCUMENT FILED 07-23-1956, BOOK D-357, PAGE 353
2. 10' PNM AND MST&T EASEMENT GRANTED BY DOCUMENT FILED 08-14-1958, BOOK D-437, PAGE 578
3. 20' PUBLIC WATERLINE EASEMENT GRANTED BY DOCUMENT FILED 08-06-1999, BOOK 9907, PAGE 517, DOC. #1999060689

CONSTRUCTION NOTES:

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DRAINAGE KEYED NOTES:

1. CONSTRUCT SEGMENTAL RETAINING WALL, SEE SECTION AND PROFILE, SEE SHEET 9
2. CONSTRUCT 18" STORM INLET PER TYPICAL SECTION, SEE SHEET 9
3. INSTALL 8" PVC STORM DRAIN @ S=0.0500
4. INSTALL 8"x8"x8" TEE
5. CONSTRUCT 12" SIDEWALK CULVERT PER TYPICAL SECTION, SEE SHEET 9
6. INSTALL 6" PVC STORM DRAIN @ S=0.0200

SURVEY NOTE

THIS IS NOT A BOUNDARY SURVEY; APPARENT PROPERTY CORNERS ARE SHOWN FOR ORIENTATION PURPOSES ONLY. THE BOUNDARY INFORMATION DEPICTED BY THIS PLAN IS BASED UPON THE BOUNDARY SURVEY PLAT PREPARED BY HIGH MESA CONSULTING GROUP, NMPS NO. 11184, FILED 02-22-1999, PLAT BOOK 99S, PAGE 35 (981807). TOPOGRAPHIC AND UTILITY INFORMATION IS BASED UPON THE PARTIAL TOPOGRAPHIC AND UTILITY SURVEY PREPARED BY HIGH MESA CONSULTING GROUP, NMPS NO. 15075, DATED 05-23-2016 (2015.183.8).

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**GRADING PLAN
PAPA PORTABLE CLASSROOM RELOCATIONS
ACOMA ELEMENTARY SCHOOL
1800 PRINCESS JEANNE AVENUE NE**

DESIGNED BY: G.M.
DRAWN BY: T.N.T./J.Y.R.
APPROVED BY: G.M.

NO.	DATE	BY	REVISIONS	JOB NO.
				2015.183.9
				DATE 07-2016
				SHEET 7 OF 12



DRAINAGE PLAN

I. INTRODUCTION AND EXECUTIVE SUMMARY

THIS PROJECT, LOCATED IN THE EAST GATEWAY COMMUNITY AREA OF THE ALBUQUERQUE METROPOLITAN AREA, REPRESENTS A MODIFICATION TO AN EXISTING SITE WITHIN AN INFILL AREA. THE PROPOSED CONSTRUCTION CONSISTS OF TWO NEW PORTABLE CLASSROOMS TO BE LOCATED ON AN APS ELEMENTARY SCHOOL SITE, WITH ASSOCIATED PAVED ACCESS AND DRAINAGE IMPROVEMENTS. THE DRAINAGE CONCEPT FOR THE SITE IS TO CAPTURE AND TREAT THE FIRST FLUSH FROM THE PROJECT SITE, AS WELL AS MITIGATE THE INCREASE IN RUNOFF GENERATED BY THE PROPOSED IMPROVEMENTS.

THE 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 EXISTING SITE IS LOCATED AT THE SOUTHWEST CORNER OF MURIEL STREET NE AND PRINCESS JEANNE AVENUE NE, NEAR THE INTERSECTION OF PRINCESS JEANNE AVENUE AND JUAN TABO BLVD. AS SHOWN BY PANEL 357 OF 825 OF THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAPS PUBLISHED BY FEMA FOR BERNALILLO COUNTY, NEW MEXICO, SEPTEMBER 16, 2012, THIS SITE DOES NOT LIE WITHIN A DESIGNATED FLOOD HAZARD ZONE. EXISTING SITE RUNOFF ULTIMATELY DRAINS TO A DOWNSTREAM FLOOD HAZARD ZONE DESIGNATED AO (DEPTH1) WITHIN MORRIS ST NE.

III. BACKGROUND DOCUMENTS

THE PREPARATION OF THIS PLAN RELIED UPON THE FOLLOWING DOCUMENTS:

- MASTER DRAINAGE PLAN FOR ACOMA ELEMENTARY SCHOOL PREPARED BY HIGH MESA CONSULTING GROUP (FORMERLY JEFF MORTENSEN & ASSOCIATES INC.) DATED 04-22-1994. AS DEPICTED BY THE 1994 PLAN, THE SITE IS DIVIDED INTO TWO BASINS. BASIN A BING A RELATIVELY SMALL, NORTHERN PORTION OF THE SITE THAT DISCHARGES FREELY TO PRINCESS JEANNE AVE NE AND BASIN B MAKING UP THE LARGER, SOUTHERN PORTION OF THE SITE THAT DISCHARGES FREELY TO BELLAMAH AVE NE THROU A PUBLIC DRAINAGE EASEMENT NEAR THE SW CORNER OF THE SITE.
- GRADING AND DRAINAGE PLAN FOR ACOMA ELEMENTARY SCHOOL MULTI-PURPOSE BUILDING BY ISAACSON & ARFMAN, PA, DATED 3-22-1999. THE PLAN SUPPORTED THE CONSTRUCTION OF THE MULTI-PURPOSE GYMNASIUM WITHIN BASIN B. IT DIVIDED BASIN B INTO SUB-BASINS B-1 AND B-2. THE EAST SUB-BASIN B-1 DRAINS FREELY TO BELLMAH AVE NE THROUGH THE AFOREMENTIONED PAVED PUBLIC DRAINAGE EASEMETN. THE WEST BASIN B-2 DRAINS TO A DETENTION POND THAT WAS CONSTRUCTED CONCURRENT WITH THE GYMNASIUM TO DETAIN THE INCREASE IN RUNOFF ATTRIBUTABLE TO THAT CONSTRUCTION. THIS 2016 PROPOSED PORTABLE RELOCATION LIES WITHIN SUB-BASIN B-2.
- PARTIAL TOPOGRAPHIC SURVEY PREPARED BY HIGH MESA CONSULTING GROUP, NMPS 15075, DATED 05-23-2016. THE SUBJECT SURVEY PROVIDES THE BASIS FOR THE EXISTING CONDITIONS OF THE SITE DEPICTED BY THIS SUBMITTAL.

IV. EXISTING CONDITIONS

THE PROJECT SITE PRESENTLY CONSISTS OF A BARE SOIL SLOPE AND EXISTING PAVED SIDEWALKS LOCATED BETWEEN THE SOUTHWEST CORNER OF THE MAIN CLASSROOM BUILDING AND THE WEST STAFF PARKING LOT. THE PROJECT SITE IS CENTRALLY LOCATED ON THE SCHOOL SITE AND THE SURROUNDING AREAS ARE FULLY DEVELOPED. THE PROJECT SITE LIES WITHIN SUB-BASIN B-2, AS DESCRIBED IN THE BACKGROUND DOCUMENTS ABOVE. A PORTION OF THE ADJACENT CLASSROOM BUILDING ROOF CONTRIBUTES ROOF RUNOFF TO THE PROJECT SITE FROM THE EAST. RUNOFF GENERATED BY THE PROJECT SITE SURFACE DRAINS FROM NORTHEAST TO SOUTHWEST ACROSS THE STAFF PARKING LOT AND INTO A DETENTION POND AT THE SOUTHWEST CORNER OF THE SITE. THE DETENTION POND RELEASES DETAINED FLOWS TO THE AFOREMENTIONED PUBLIC DRAINAGE EASEMENT AND INTO BELLMAH AVE NE.

THERE ARE NO OFFSITE FLOWS FROM THE FULLY DEVELOPED PUBLIC STREETS TO THE NORTH AND EAST OR THE DEVELOPED RESIDENTIAL LOTS THAT ABUT THE SITE TO THE SOUTH AND WEST.

V. DEVELOPED CONDITIONS AND FIRST FLUSH

THE PROPOSED CONSTRUCTION CONSISTS OF TWO PORTABLE CLASSROOM BUILDINGS, A SHORT RETAINING WALL TO PROVIDE LEVEL GRADE FOR THE TWO BUILDINGS, PAVED ACCESS TO THE BUILDINGS, AND A PRIVATE STORM DRAIN SYSTEM. THE NEW STORM DRAIN SYSTEM WILL COLLECT AND CONVEY BOTH THE RUNOFF FROM THE PROJECT SITE AS WELL AS THE CONTRIBUTING ROOF RUNOFF FROM THE ADJACENT BUILDING AND DISCHARGE IT VIA SIDEWALK CULVERT INTO THE EXISTING STAFF PARKING LOT TO THE WEST. THERE WILL BE A MINIMAL INCREASE IN RUNOFF GENERATED (170 CF) BY THE PROJECT SITE DUE TO THE INCREASE IN IMPERVIOUS LAND TREATMENT. A DEPRESSED WATER HARVESTING AREA AT THE BACK (WEST) SIDE OF THE PORTABLE BUILDINGS IS DESIGNED TO MITIGATE THIS INCREASE BY PROVIDING A WATER HARVESTING CAPACITY OF 180 CF. FIRST FLUSH CALCULATIONS FOR THE PROJECT SITE DEMONSTRATE A VOLUME OF 130 CF WILL BE GENERATED BY THE SITE. THE WATER HARVESTING AREA REFERENCED ABOVE HAS A CAPACITY OF 180 CF, THEREFORE THE FIRST FLUSH WILL BE CAPTURED AND TREATED PER THE CITY REQUIREMENTS.

AS REFERENCED ABOVE, THERE ARE NO OFFSITE FLOWS THAT ENTER THE SCHOOL 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, AND 3.) CONTINUITY BETWEEN EXISTING AND PROPOSED GRADES. AS SHOWN BY THIS PLAN, THE PROPOSED GRADING WILL MAINTAIN THE CURRENT DRAINAGE PATTERN OF RUNOFF DISCHARGE FROM NORTHEAST TO SOUTHWEST VIA NEW PRIVATE STORM DRAIN SYSTEM TO THE WEST PARKING LOT; FROM THIS POINT RUNOFF WILL SURFACE FLOW TO THE EXISTING ONSITE DETENTION POND AND ULTIMATELY TO BELLAMAH AVE NE.

VII. EROSION AND SEDIMENT CONTROL PLAN

THIS PROJECT DISTURBS LESS THAN ONE-ACRE OF LAND, THEREFORE, 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 AND SEDIMENT CONTROL PLAN.

VIII. CALCULATIONS

THE CALCULATIONS CONTAINED HEREON ANALYZE THE EXISTING AND DEVELOPED CONDITIONS FOR THE 100-YEAR, 6-HOUR RAINFALL EVENT. THE PROCEDURE FOR 40 ACRE AND SMALLER BASINS, AS SET FORTH IN THE REVISION OF SECTION 22.2, HYDROLOGY OF THE DEVELOPMENT PROCESS MANUAL, VOLUME 2, DESIGN CRITERIA, DATED JANUARY 1993, HAS BEEN USED TO QUANTIFY THE PEAK RATE OF DISCHARGE AND VOLUME OF RUNOFF GENERATED. AS DEMONSTRATED BY THESE CALCULATIONS, THE PROPOSED PROJECT WILL RESULT IN A MINIMAL INCREASE IN DEVELOPED RUNOFF (170 CF) GENERATED BY THE SITE. THE AVERAGE END-AREA METHOD WAS USED TO CALCULATE THE WATER HARVESTING VOLUME CAPACITY OF 180 CF, WHICH IS ADEQUATE TO CAPTURE THE 170 CF RUNOFF INCREASE. MANNING'S EQUATION FOR GRAVITY FLOW IN PIPES WAS USED TO SIZE THE PRIVATE STORM DRAIN FOR THE PEAK DISCHARGE OF RUNOFF GENERATED BY THE SITE.

IX. CONCLUSIONS

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

- THIS PROJECT REPRESENTS A MODIFICATION TO AN EXISTING SITE WITHIN AN INFILL AREA
- THE PROPOSED IMPROVEMENTS WILL MAINTAIN THE EXISTING DRAINAGE PATTERNS OF THE SITE
- THE PROPOSED IMPROVEMENTS WILL RESULT IN A NEGLIGIBLE (170 CF) INCREASE IN THE DEVELOPED RUNOFF VOLUME GENERATED BY THE SITE
- THE PROPOSED IMPROVEMENTS WILL GENERATE A FIRST FLUSH VOLUME OF 130 CF.
- THE PROPOSED WATER HARVESTING AREA WILL HAVE A CAPACITY OF 180 CF THAT WILL OFFSET THE INCREASE IN DEVELOPED RUNOFF AND CAPTURE AND TREAT THE FIRST FLUSH FROM THE PROJECT SITE.
- THE PROPOSED IMPROVEMENTS WILL NOT ADVERSELY IMPACT DOWNSTREAM PROPERTIES OR DOWNSTREAM DRAINAGE CONDITIONS
- THIS PROJECT IS NOT SUBJECT TO AN EPA NPDES PERMIT OR COA ESC PLAN AS THE SITE IS LESS THAN 1 AC IN SIZE.

CALCULATIONS

I. SITE CHARACTERISTICS

- A. PRECIPITATION ZONE = 4
- B. $P_{100, 6 \text{ HR}} = P_{360} = 2.9 \text{ IN}$
- C. TOTAL PROJECT AREA (A_T) = 7,210 SF
0.17 AC

D. LAND TREATMENTS

1. EXISTING LAND TREATMENT

a. PROJECT SITE

TREATMENT	AREA (SF/AC)	%
A	0 SF	0
B	0 SF	0
C	4,200 SF	83
D	1,000 SF	17
	0.02 AC	

b. CONTRIBUTING ROOF AREA

TREATMENT	AREA (SF/AC)	%
A	0 SF	0
B	0 SF	0
C	0 SF	0
D	2,010 SF	100
	0.05 AC	

2. DEVELOPED LAND TREATMENT

a. PROJECT SITE

TREATMENT	AREA (SF/AC)	%
A	0 SF	0
B	0 SF	0
C	2,630 SF	50
D	2,570 SF	50
	0.06 AC	

b. CONTRIBUTING ROOF AREA

TREATMENT	AREA (SF/AC)	%
A	0 SF	0
B	0 SF	0
C	0 SF	0
D	2,010 SF	100
	0.05 AC	

II. HYDROLOGY

A. EXISTING CONDITION 100 YEAR

1. PROJECT SITE

a. VOLUME 100-YR, 6- HR

$$E_W = (E_A A_A + E_B A_B + E_C A_C + E_D A_D) / A_T$$
$$E_W = (0.80 * 0.00) + (1.08 * 0.00) + (1.46 * 0.10) + (2.64 * 0.02) / 0.12 = 1.66 \text{ IN}$$
$$V_{100, 6 \text{ HR}} = (E_W / 12) A_T = (1.66 / 12) 0.12 = 0.0166 \text{ AC-FT} = 720 \text{ CF}$$

b. PEAK DISCHARGE

$$Q_P = Q_P A_A + Q_P A_B + Q_P A_C + Q_P A_D$$
$$Q_P = (2.20 * 0.00) + (2.92 * 0.00) + (3.73 * 0.10) + (5.25 * 0.02) = 0.5 \text{ CFS}$$

2. CONTRIBUTING ROOF AREA

a. VOLUME 100-YR, 6- HR

$$E_W = (E_A A_A + E_B A_B + E_C A_C + E_D A_D) / A_T$$
$$E_W = (0.80 * 0.00) + (1.08 * 0.00) + (1.46 * 0.00) + (2.64 * 0.05) / 0.05 = 2.64 \text{ IN}$$
$$V_{100, 6 \text{ HR}} = (E_W / 12) A_T = (2.64 / 12) 0.05 = 0.0110 \text{ AC-FT} = 480 \text{ CF}$$

b. PEAK DISCHARGE

$$Q_P = Q_P A_A + Q_P A_B + Q_P A_C + Q_P A_D$$
$$Q_P = (2.20 * 0.00) + (2.92 * 0.00) + (3.73 * 0.00) + (5.25 * 0.05) = 0.3 \text{ CFS}$$

B. DEVELOPED CONDITION

1. PROJECT SITE

a. VOLUME

$$E_W = (E_A A_A + E_B A_B + E_C A_C + E_D A_D) / A_T$$
$$E_W = (0.80 * 0.00) + (1.08 * 0.00) + (1.46 * 0.06) + (2.64 * 0.05) / 0.12 = 2.05 \text{ IN}$$
$$V_{100, 6 \text{ HR}} = (E_W / 12) A_T = (2.05 / 12) 0.12 = 0.0205 \text{ AC-FT} = 890 \text{ CF}$$

b. PEAK DISCHARGE

$$Q_P = Q_P A_A + Q_P A_B + Q_P A_C + Q_P A_D$$
$$Q_P = (2.20 * 0.00) + (2.92 * 0.00) + (3.73 * 0.06) + (5.25 * 0.05) = 0.5 \text{ CFS}$$

2. CONTRIBUTING ROOF AREA

a. VOLUME

$$E_W = (E_A A_A + E_B A_B + E_C A_C + E_D A_D) / A_T$$
$$E_W = (0.80 * 0.00) + (1.08 * 0.00) + (1.46 * 0.00) + (2.64 * 0.05) / 0.05 = 2.64 \text{ IN}$$
$$V_{100, 6 \text{ HR}} = (E_W / 12) A_T = (2.64 / 12) 0.05 = 0.0110 \text{ AC-FT} = 480 \text{ CF}$$

b. PEAK DISCHARGE

$$Q_P = Q_P A_A + Q_P A_B + Q_P A_C + Q_P A_D$$
$$Q_P = (2.20 * 0.00) + (2.92 * 0.00) + (3.73 * 0.00) + (5.25 * 0.05) = 0.3 \text{ CFS}$$

3. 6" STORM DRAIN CAPACITY

MANNING'S EQUATION FOR GRAVITY FLOW IN PIPES

$$Q = 1.49 / n * A * R^{2/3} * S^{1/2}$$

$$n = 0.013$$

$$A = 0.20 \text{ CF}$$

$$R = 0.125 \text{ FT}$$

$$S = 0.02 \text{ FT/FT}$$

$$Q = 0.8 \text{ CFS}$$

4. WATER HARVESTING CAPACITY

ELEV	AREA	VOLUME	ΣVOL
83.8	0		
84	360	40	40
84.3	600	140	180

$$V_{WH} = 180 \text{ CF}$$

C. COMPARISON

1. PROJECT SITE

a. VOLUME 100-YR, 6-HR

$$\Delta V_{100, 6 \text{ HR}} = 890 - 720 = 170 \text{ CF (INCREASE)}$$

b. PEAK DISCHARGE

$$\Delta Q_{100} = 0.5 - 0.5 = 0 \text{ CFS (NO CHANGE)}$$

2. CONTRIBUTING ROOF AREA

a. VOLUME 100-YR, 6-HR

$$\Delta V_{100, 6 \text{ HR}} = 480 - 480 = 0 \text{ CF (NO CHANGE)}$$

b. PEAK DISCHARGE

$$\Delta Q_{100} = 0.3 - 0.3 = 0 \text{ CFS (NO CHANGE)}$$

3. TOTAL SITE

a. VOLUME 100-YR, 6-HR

$$\Delta V_{100, 6 \text{ HR}} = 1370 - 1200 = 170 \text{ CF (INCREASE)}$$

b. PEAK DISCHARGE

$$\Delta Q_{100} = 0.8 - 0.8 = 0 \text{ CFS (NO CHANGE)}$$

D. FIRST FLUSH CALCULATIONS

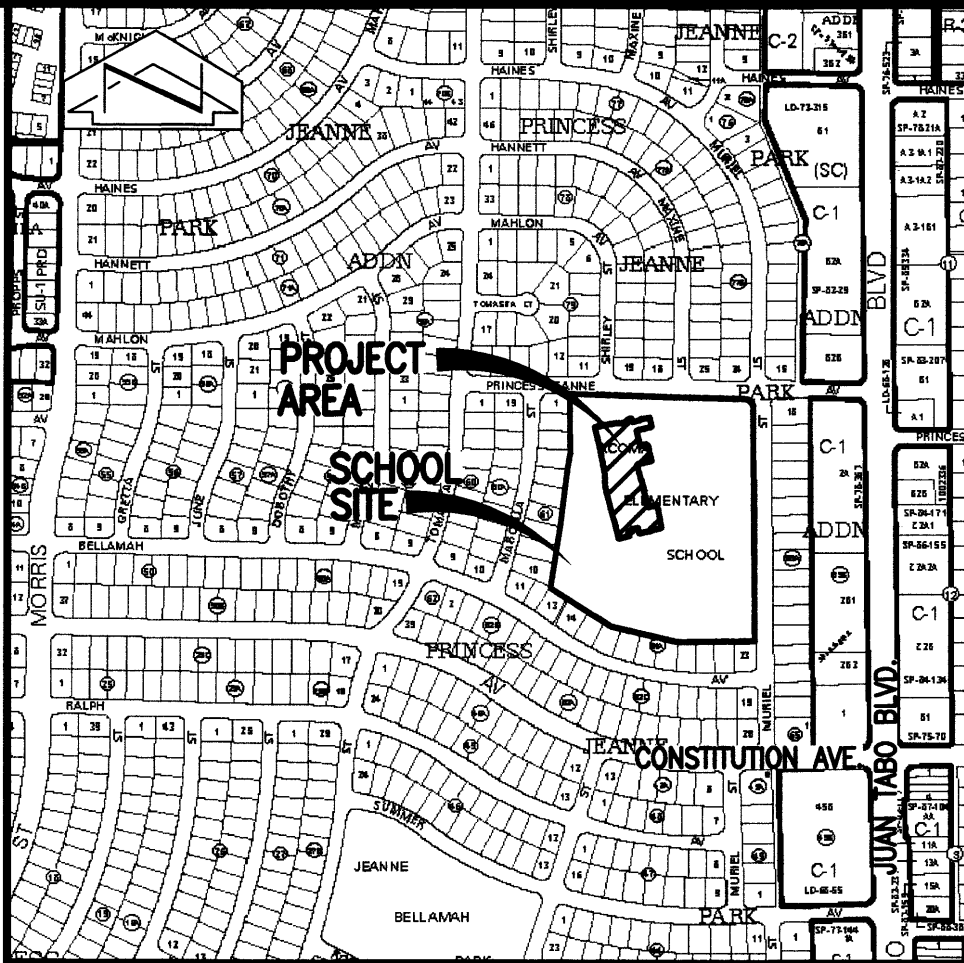
1. RETENTION REQUIREMENT

a. VOLUME

$$V_{FF} = ((P_{FF} - I A_D) / 12) A_D$$

$$V_{FF} = ((0.44 - 0.10) / 12) (4580.00) = 130 \text{ CF}$$

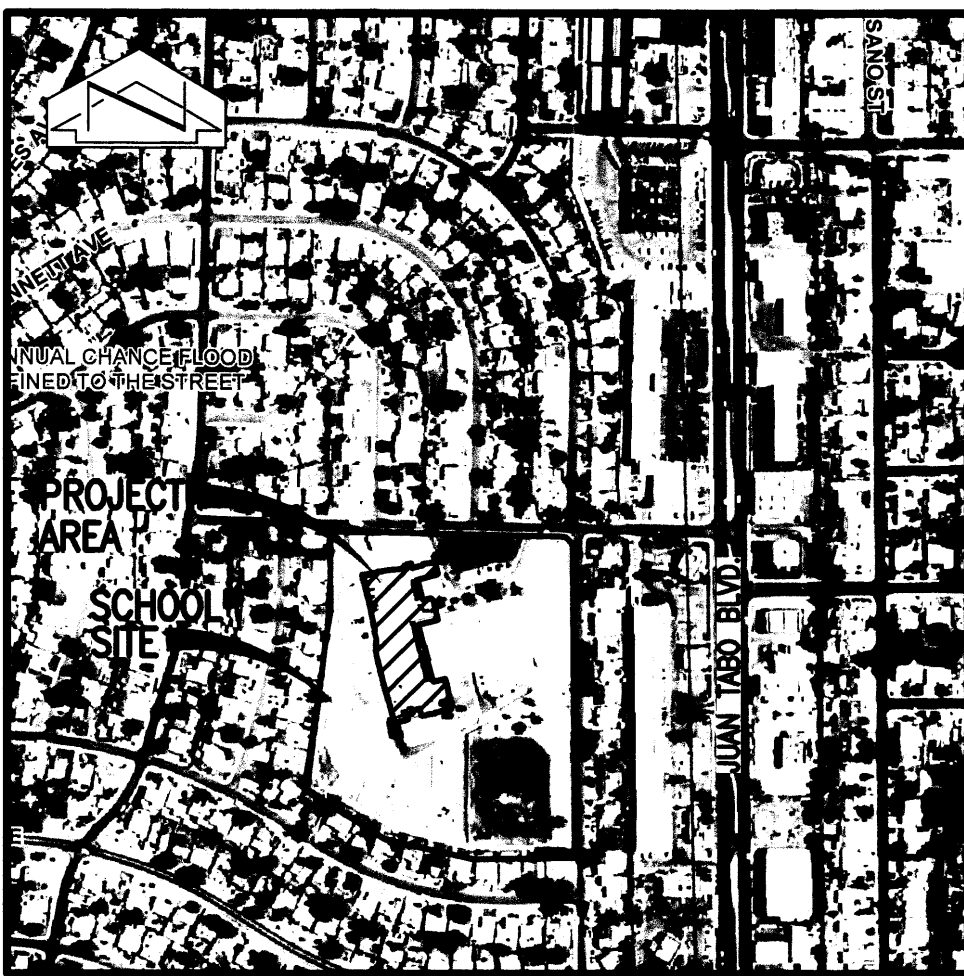
$$V_{WH} = 180 \text{ CF} > V_{FF} = 130 \text{ CF} \therefore \text{OK}$$



VICINITY MAP

SCALE: 1" = 750'

J-21



F.I.R.M.

SCALE: 1" = 500'

PANEL 357 OF 825

08-16-2012

LEGAL DESCRIPTION

A PORTION OF THE UNPLATTED LANDS OF A.P.S. KNOW AS ACOMA ELEMENTARY SCHOOL, ALBUQUERQUE, NEW MEXICO, AS THE SAME IS SHOWN AND DESIGNATED ON THE BOUNDARY SURVEY PLAT FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON AUGUST 06, 1999, PLAT BOOK 99S, PAGE 35, DOC. #1999023235.

BENCHMARKS:

PROJECT BENCHMARK

AGRS SURVEY CONTROL 3 1/4" ALUMINUM DISC STAMPED "15-J22 1990", SET FLUSH IN TOP OF CURB OF THE NORTHERN MEDIAN AT THE INTERSECTION OF CONSTITUTION AVENUE AND JUAN TABO BOULEVARD N.E. ELEVATION = 5597.667 FEET (NAVD 1988)

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

A CHISELED "X" SET IN THE TOP OF A CONCRETE HEADER CURB NEAR THE SOUTHWEST CORNER OF A CLASSROOM BUILDING, AS SHOWN ON SHEET 7. ELEVATION = 5586.15 FEET (NAVD 1988)

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

A MAG NAIL SET IN A CONCRETE SIDEWALK NEAR THE CONCRETE RAMP, AS SHOWN ON SHEET 7. ELEVATION = 5581.45 FEET (NAVD 1988)

TEMPORARY BENCHMARK (T.B.M. #3)

A MAG NAIL SET IN A CONCRETE SIDEWALK NEAR THE BUS LOOP, AS SHOWN ON SHEET 7. ELEVATION = 5582.92 FEET (NAVD 1988)



07/11/2016



6010-B MIDWAY PARK BLVD. NE • ALBUQUERQUE, NEW MEXICO 87109
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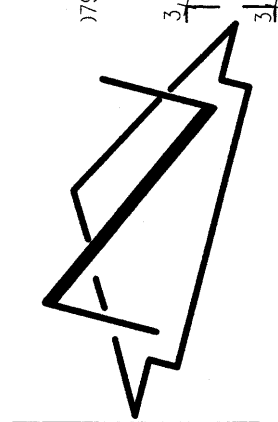
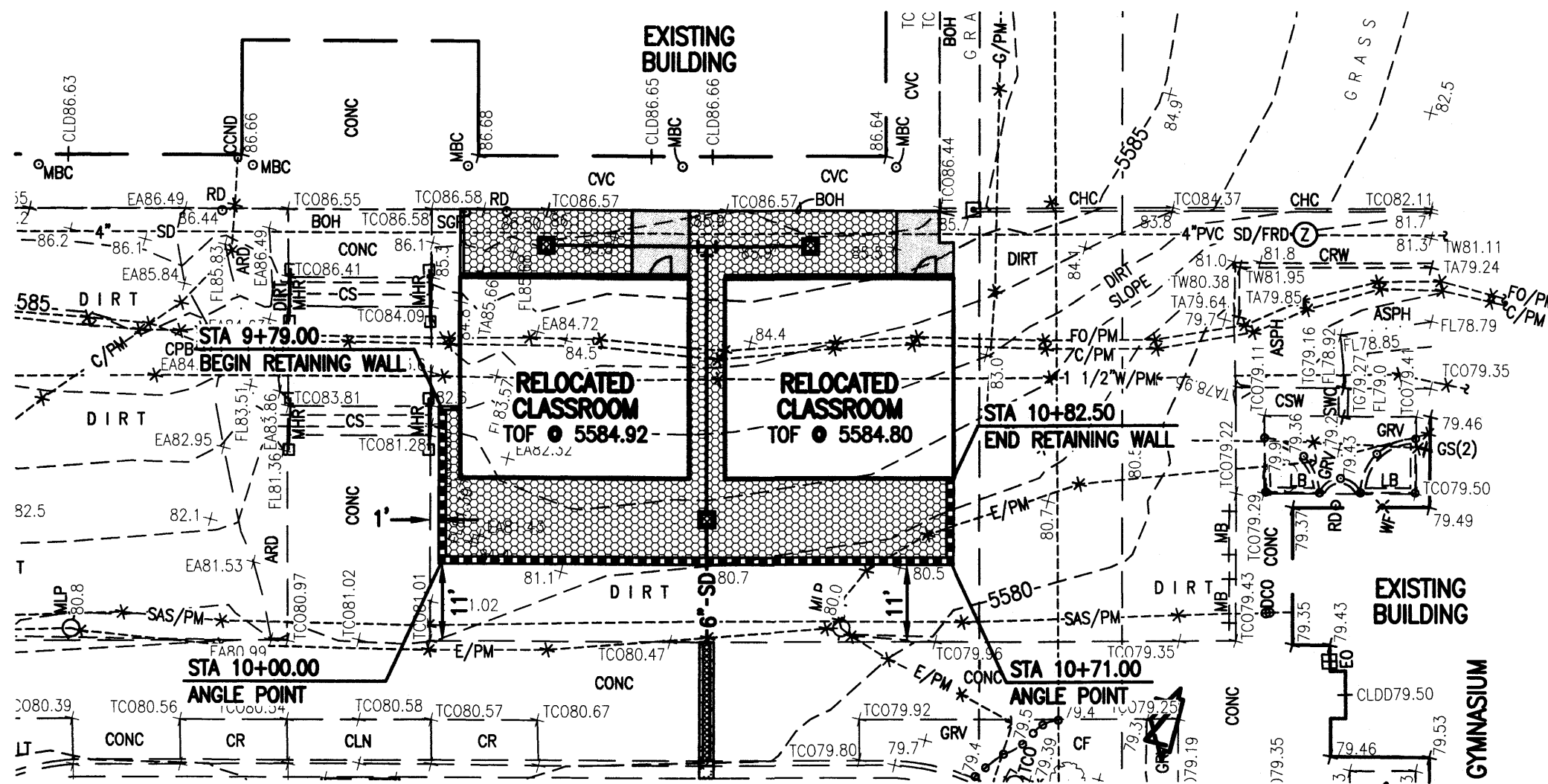
DRAINAGE PLAN AND CALCULATIONS
PAPA PORTABLE CLASSROOM RELOCATIONS
ACOMA ELEMENTARY SCHOOL
11800 PRINCESS JEANNE AVENUE NE

DESIGNED BY G.M.

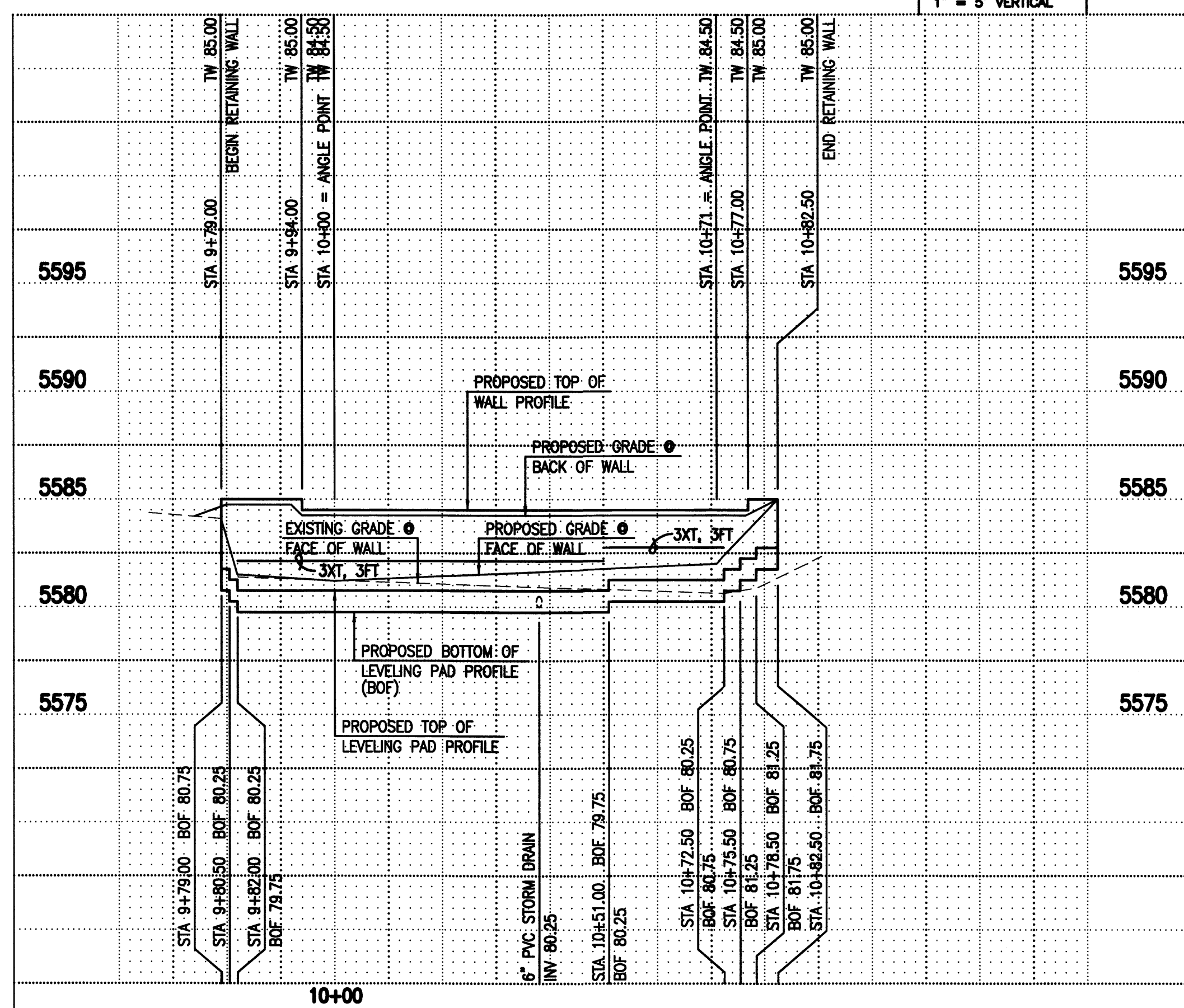
DRAWN BY T.N.T./J.Y.R.

APPROVED BY G.M.

NO.	DATE	BY	REVISIONS	JOB NO.
				2015.183.9
				DATE 07-2016
				SHEET 8 OF 12



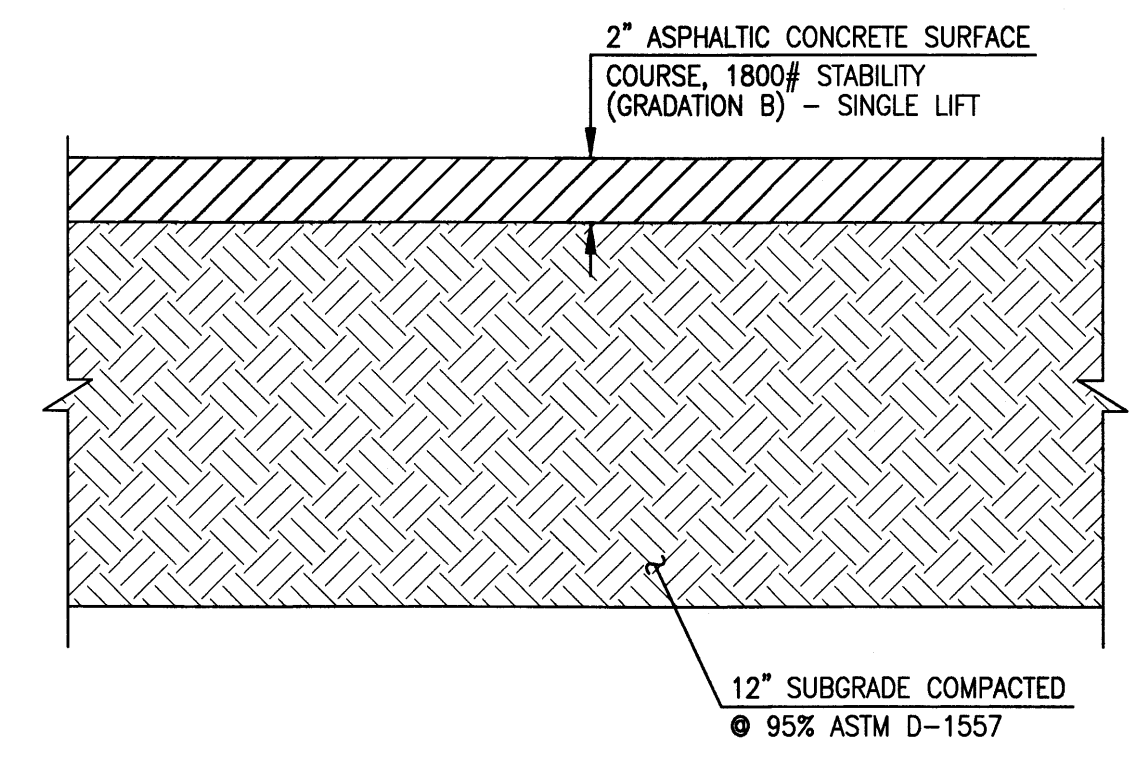
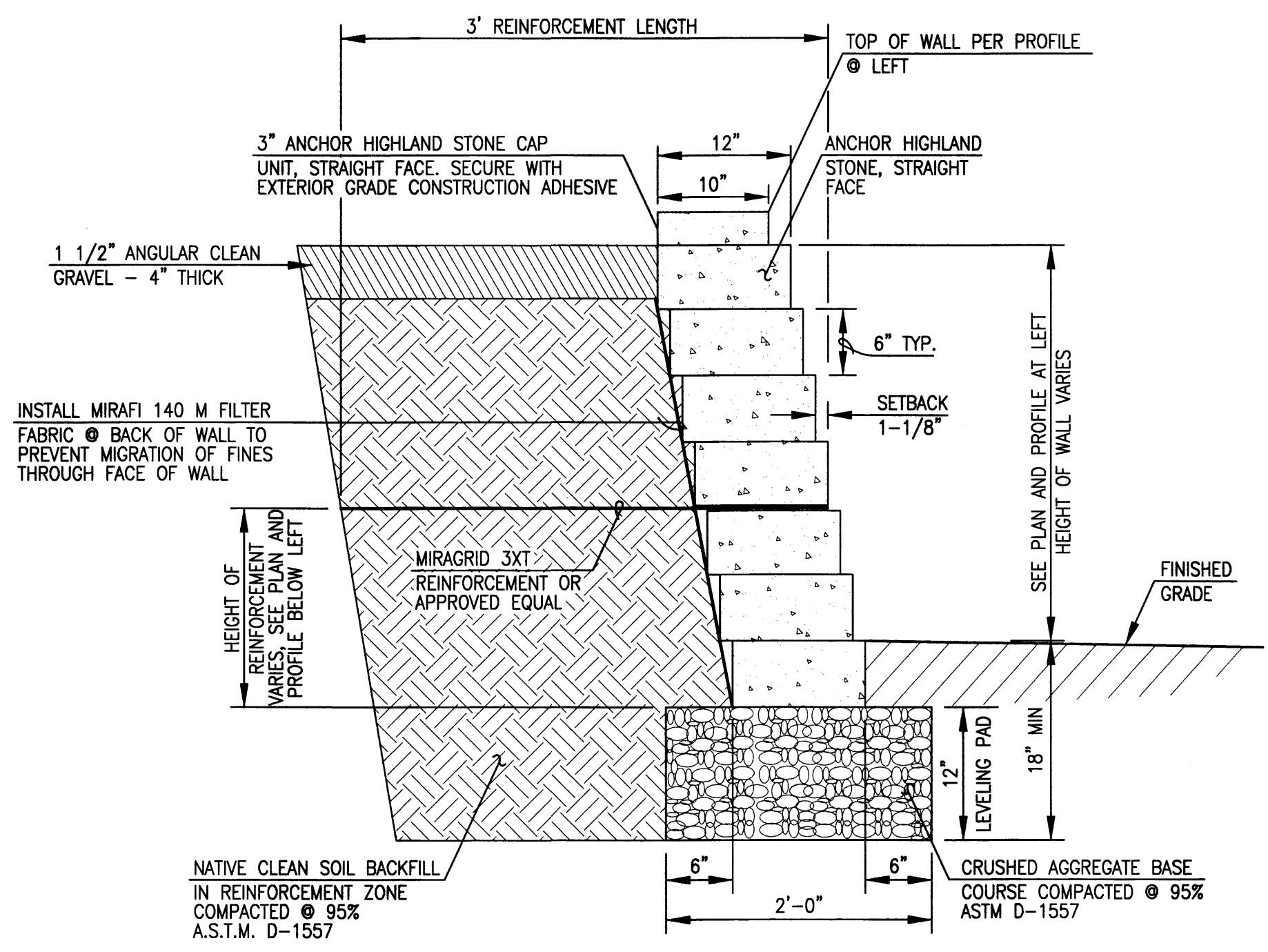
SCALE:
1" = 20' HORIZONTAL
1" = 5' VERTICAL



07/11/2016

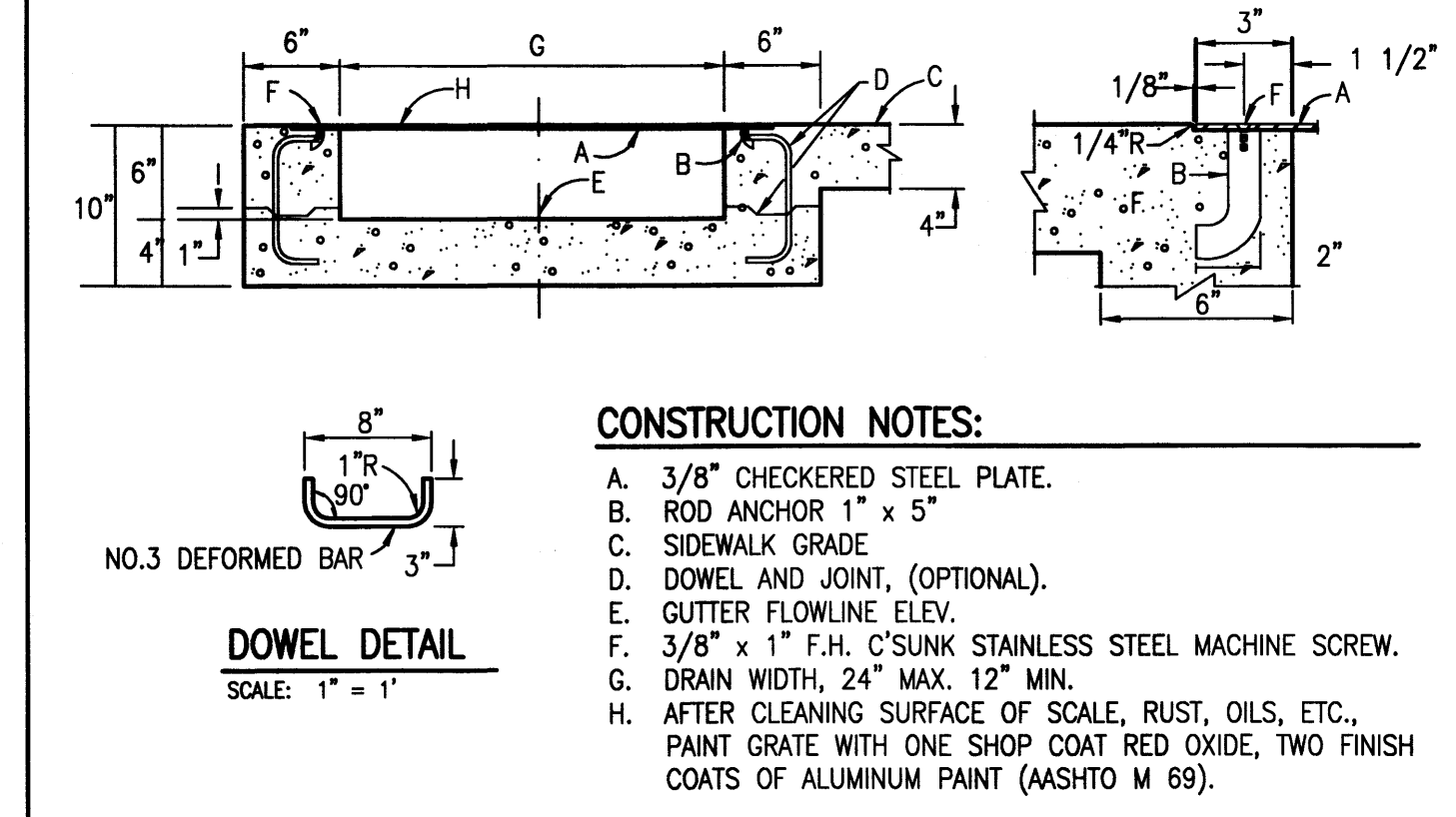
SURVEY NOTE
THIS IS NOT A BOUNDARY SURVEY; APPARENT PROPERTY CORNERS ARE SHOWN FOR ORIENTATION PURPOSES ONLY. THE BOUNDARY INFORMATION DEPICTED BY THIS PLAN IS BASED UPON THE BOUNDARY SURVEY PLAT PREPARED BY HIGH MESA CONSULTING GROUP, NMPS NO. 11184, FILED 02-22-1999, PLAT BOOK 99S, PAGE 35 (981807). TOPOGRAPHIC AND UTILITY INFORMATION IS BASED UPON THE PARTIAL TOPOGRAPHIC AND UTILITY SURVEY PREPARED BY HIGH MESA CONSULTING GROUP, NMPS NO. 15075, DATED 05-23-2016 (2015.183.8).

C4 ANCHOR HIGHLAND STONE RETAINING WALL SECTION
SCALE: 1" = 1'



ALBUQUERQUE PUBLIC SCHOOLS
Expect great things!

TYPICAL 2" ASPHALT PAVING SECTION (PEDESTRIAN TRAFFIC AREAS)	
DRAWN BY: HMC	STD DWG: P-301
REVIEWED BY: APS	
DATE ISSUED: 01/30/14	
SCALE: 1" = 0'-6"	

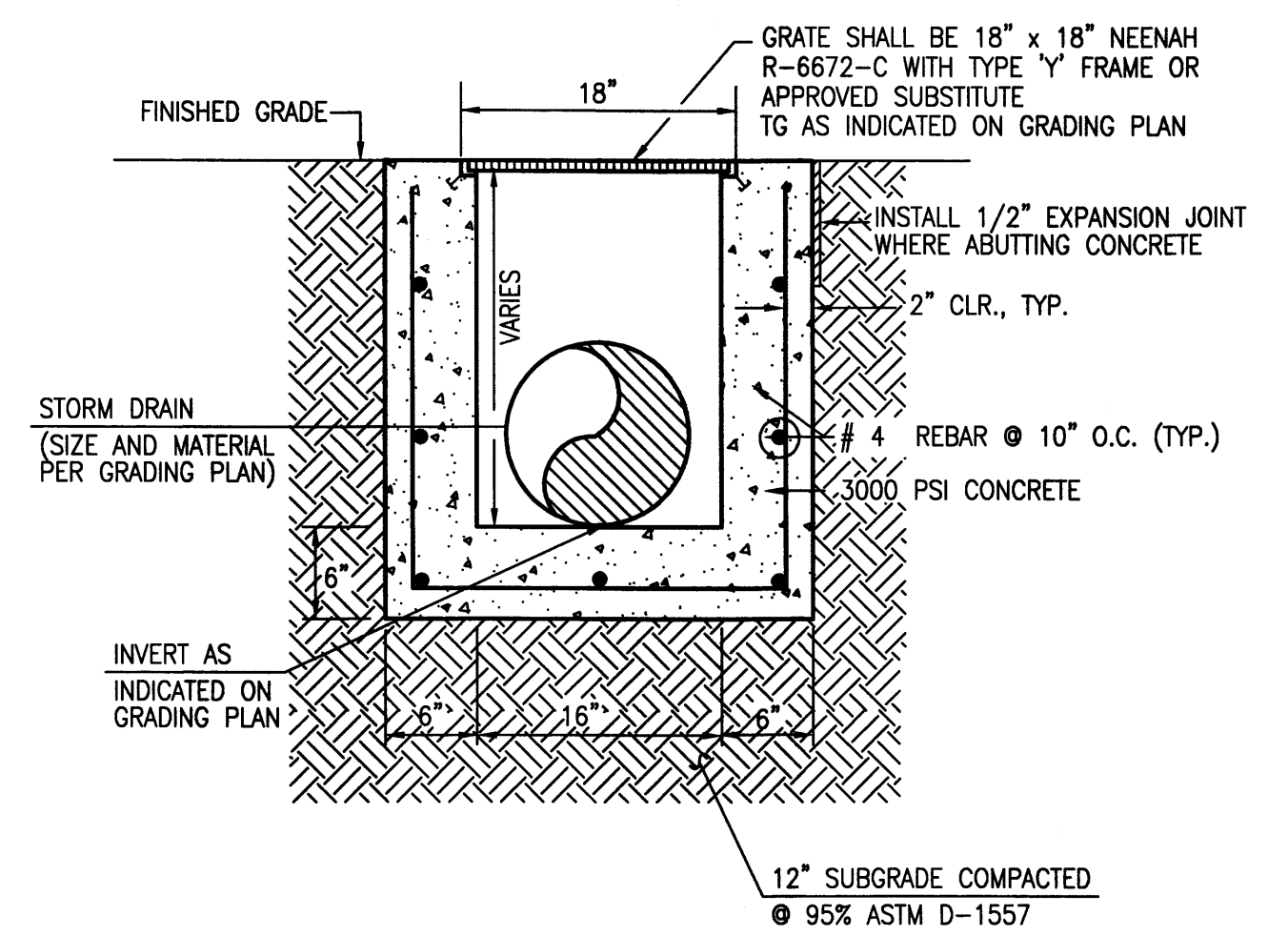


- CONSTRUCTION NOTES:**
- 3/8" CHECKERED STEEL PLATE.
 - ROD ANCHOR 1" x 5"
 - SIDEWALK GRADE
 - DOWEL AND JOINT, (OPTIONAL).
 - GUTTER FLOWLINE ELEV.
 - 3/8" x 1" F.H. C'SUNK STAINLESS STEEL MACHINE SCREW.
 - DRAIN WIDTH, 24" MAX. 12" MIN.
 - AFTER CLEANING SURFACE OF SCALE, RUST, OILS, ETC., PAINT GRATE WITH ONE SHOP COAT RED OXIDE, TWO FINISH COATS OF ALUMINUM PAINT (AASHTO M 69).

NOTE: USE ONLY WHERE INVERT IS NOT PRONE TO CLOGGING WITH / BY TURF, MULCH, SOIL, ETC.

ALBUQUERQUE PUBLIC SCHOOLS
Expect great things!

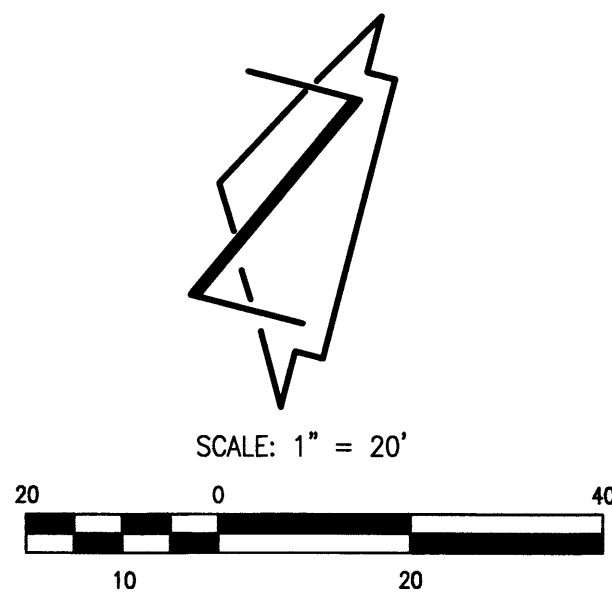
TYPICAL SIDEWALK CULVERT SECTION	
DRAWN BY: HMC	STD DWG: D-102
REVIEWED BY: APS	
DATE ISSUED: 06/25/14	
SCALE: 1" = 1'-0"	



ALBUQUERQUE PUBLIC SCHOOLS
Expect great things!

TYPICAL 18"x18" STORM INLET SECTION	
DRAWN BY: HMC	STD DWG: D-104
REVIEWED BY: APS	
DATE ISSUED: 01/29/14	
SCALE: 1" = 1'-0"	

File Path: P:\000\005\05\2015\183\DWG\ [Pick Date: 07-11-2016
File Name: 151839_SHT_10.DWG Plot Time: 07:52 am



UTILITY LEGEND

	PROPOSED STORM DRAIN		EXISTING WATER SERVICE
	PROPOSED INFILTRATION PIT		PROPOSED WATER SERVICE
	PROPOSED STORM INLET		EXISTING WATER LINE
	PROPOSED STORM DRAIN MANHOLE		PROPOSED WATER LINE
	EXISTING STORM DRAIN MANHOLE		EXISTING SANITARY SEWER LINE
	EXISTING FIRE HYDRANT		PROPOSED SANITARY SEWER LINE
	PROPOSED FIRE HYDRANT		EXISTING FIRE LINE
	FIRE DEPARTMENT CONNECTION		PROPOSED FIRE LINE
	EXISTING SANITARY SEWER MANHOLE		EXISTING POST INDICATOR VALVE
	SANITARY SEWER MANHOLE		PROPOSED POST INDICATOR VALVE
	EXISTING VALVE BOX		PROPOSED CONCRETE
	PROPOSED VALVE BOX		PROPOSED ASPHALT PAVING
	EXISTING DOUBLE CLEANOUT		PROPOSED CRUSHER FINES
	PROPOSED DOUBLE CLEANOUT		PROPOSED SEGMENTAL RETAINING WALL
	EXISTING SINGLE CLEANOUT		
	PROPOSED SINGLE CLEANOUT		

PROJECT DESCRIPTION AND CONSTRUCTION REQUIREMENTS

I. PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF THE INSTALLATION OF TWO SINGLE CLASSROOM PORTABLE BUILDINGS FOR PERFORMING ARTS PURPOSES. THE BUILDINGS ARE EXISTING AND BEING RELOCATED FROM OTHER SCHOOL SITES WITHIN THE DISTRICT.

NO FOOD SERVICE IS PROPOSED

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 CONFLICT. 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.

II. UTILITY CONNECTION DETAILS

- REFER TO SHEET 11 FOR UTILITY CONNECTION DETAILS
- REFER TO ELECTRICAL SHEET 12 FOR ELECTRIC SERVICE DESIGN AND CONNECTIONS

LEGEND

AP	ASPHALT PAVEMENT
ARD	ASPHALT RUNDOWN
ASPH	ASPHALT
BOH	BUILDING OVERHANG
BR	BIKE RACK
C&G	CURB AND GUTTER
C/PM	COMMUNICATION LINE BY PAINT MARK
CC	CONCRETE CURB
CCND	COMMUNICATION CONDUIT
CF	LANDSCAPING CRUSHER FINES
CHC	CONCRETE HEADER CURB
CI	CAST IRON PIPE
CLD	CENTERLINE DOOR
CLDD	CENTERLINE DOUBLE DOOR
CLF	CHAIN LINK FENCE
CLN	CONCRETE LANDING
CO	CLEANOUT
CONC	CONCRETE
CPB	COMMUNICATIONS PULLBOX
CR	CONCRETE RAMP
CRW	CONCRETE RETAINING WALL
CS	CONCRETE STEPS
CSW	CONCRETE SIDEWALK
CVC	COVERED CONCRETE
DCO	DOUBLE CLEANOUT
E/PM	ELECTRIC LINE BY PAINT MARK
EA	EDGE OF ASPHALT
EO	ELECTRIC OUTLET
FI	FIRE HYDRANT
FL	FLOWLINE
FO/PM	FIBER OPTIC LINE BY PAINT MARK
FRD	UTILITY FROM RECORD DRAWING
G/PM	GAS LINE BY PAINT MARK
GA	GATE
GRV	LANDSCAPING GRAVEL
GS	GAS SERVICE
HCP	HANDICAPPED PARKING SIGN
ICB	IRRIGATION CONTROL BOX
IVB	IRRIGATION VALVE BOX
LB	LANDSCAPING BLOCKS
MB	METAL BENCH
MBC	METAL BUILDING COLUMN
MHR	METAL HAND RAIL
MLP	METAL LIGHT POLE WITH CONCRETE BASE
MSN	METAL SIGN
PS	PAINTED PARKING STALL STRIPE
PT	PICNIC TABLE
PVC	POLYVINYL CHLORIDE PIPE
PVR	POLYVINYL CHLORIDE PIPE RISER
RD	ROOF DRAIN
RR	LANDSCAPING RIVER ROCK
SAS/PM	SANITARY SEWER LINE BY PAINT MARK
SOP	STEEL GUARD POST
STW	STUCCO WALL
SWC	SIDEWALK CULVERT
SYS	PAINTED SOLID YELLOW TRAFFIC STRIPE
TA	TOP OF ASPHALT
TC	TOP OF CURB
TCO	TOP OF CONCRETE
TG	TOP OF GRATE
TW	TOP OF WALL
TYP	TYPICAL
W/PM	WATER LINE BY PAINT MARK
WF	OUTDOOR WATER FAUCET
WHB	WATER HOT BOX
WVB	WATER VALVE BOX
XW	PAINTED CROSSWALK
*	PAINTED UTILITY LINE MARK
1.0"	TREE TRUNK DIAMETER
	DECIDUOUS TREE
	SHRUB

BENCHMARKS:

PROJECT BENCHMARK

AGRS SURVEY CONTROL 3 1/4" ALUMINUM DISC STAMPED "15-J22 1990", SET FLUSH IN TOP OF CURB OF THE NORTHERN MEDIAN AT THE INTERSECTION OF CONSTITUTION AVENUE AND JUAN TABO BOULEVARD N.E. ELEVATION = 5597.667 FEET (NAVD 1988)

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

A CHISELED "X" SET IN THE TOP OF A CONCRETE HEADER CURB NEAR THE SOUTHWEST CORNER OF A CLASSROOM BUILDING, AS SHOWN ON THIS SHEET. ELEVATION = 5586.15 FEET (NAVD 1988)

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

A MAG NAIL SET IN A CONCRETE SIDEWALK NEAR THE CONCRETE RAMP, AS SHOWN ON THIS SHEET. ELEVATION = 5581.45 FEET (NAVD 1988)

TEMPORARY BENCHMARK (T.B.M. #3)

A MAG NAIL SET IN A CONCRETE SIDEWALK NEAR THE BUS LOOP, AS SHOWN ON THIS SHEET. ELEVATION = 5582.92 FEET (NAVD 1988)

RECORD DRAWING KEYED NOTES

- APPROXIMATE LOCATION OF WATERLINE AS DEPICTED ON THE RECORD DRAWING OF THE SITE PLAN OF ACOMA ELEMENTARY SCHOOL, PREPARED BY THIS FIRM DATED 05-26-2000
- APPROXIMATE LOCATION OF 4" DRAIN LINE AS DEPICTED ON THE DEVELOPED CONDITIONS SITE PLAN OF ACOMA ELEMENTARY SCHOOL, PREPARED BY THIS FIRM DATED 03-30-2006

CONSTRUCTION KEYED NOTES

- EXISTING 1 1/2" HPG LINE
- CONNECT TO EXISTING HPG LINE
- INSTALL 1" HPG LINE
- INSTALL 1" HPG RISER WITH REGULATOR; CONNECT TO EXISTING LPG LINE ON BOTTOM RAIL
- INSTALL 1" LPG LINE FROM EXISTING LPG LINE ON BOTTOM RAIL OF SC 565 TO BOTTOM RAIL OF SC 484
- INSTALL 1 - VALVE CAN AND 1/2" WATER SERVICE CONNECTION PER TYPICAL, SHEET 11
- EXISTING 1 1/2" WATER LINE
- CONNECT NEW 1/2" WATER LINE TO EXISTING 1 1/2" WATER LINE
- INSTALL NEW 1/2" WATER LINE

SURVEY NOTE

THIS IS NOT A BOUNDARY SURVEY; APPARENT PROPERTY CORNERS ARE SHOWN FOR ORIENTATION PURPOSES ONLY. THE BOUNDARY INFORMATION DEPICTED BY THIS PLAN IS BASED UPON THE BOUNDARY SURVEY PLAT PREPARED BY HIGH MESA CONSULTING GROUP, NMPS NO. 11184, FILED 02-22-1999, PLAT BOOK 99S, PAGE 35 (981807). TOPOGRAPHIC AND UTILITY INFORMATION IS BASED UPON THE PARTIAL TOPOGRAPHIC AND UTILITY SURVEY PREPARED BY HIGH MESA CONSULTING GROUP, NMPS NO. 15075, DATED 05-23-2016 (2015.183.8).

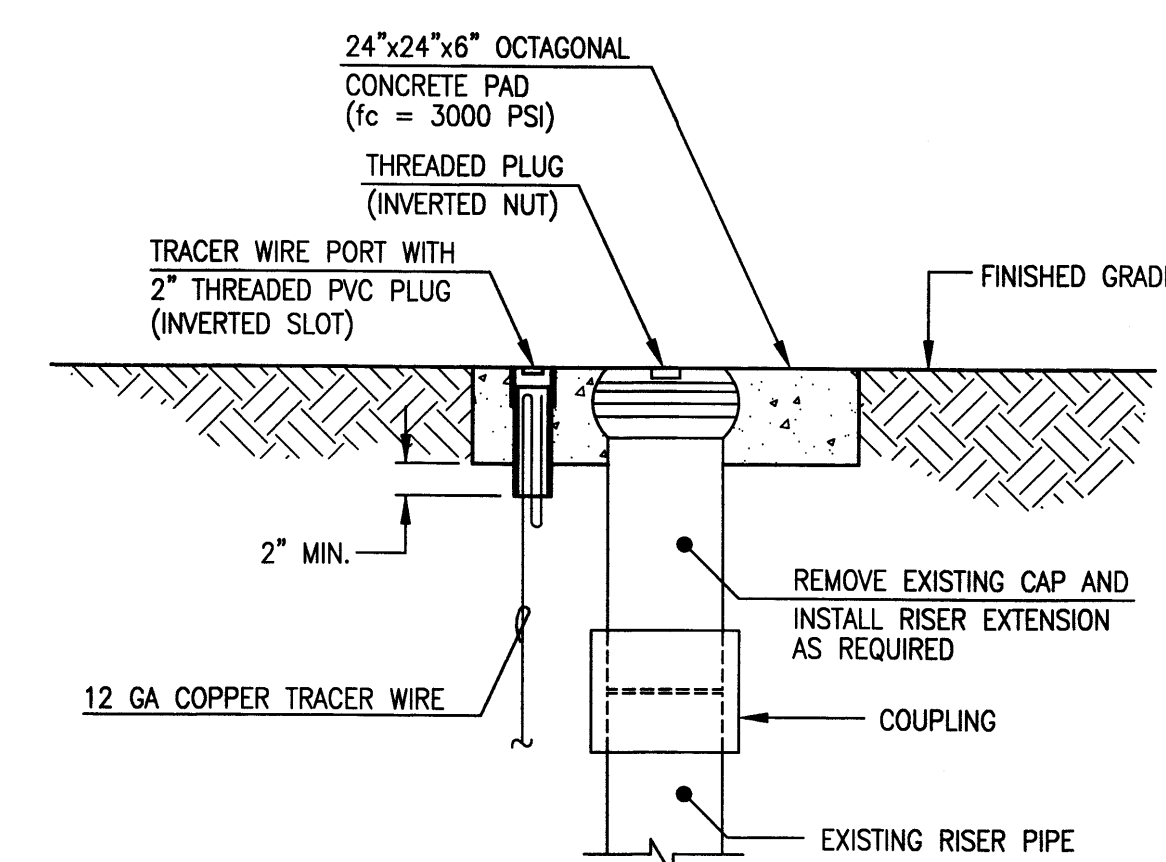
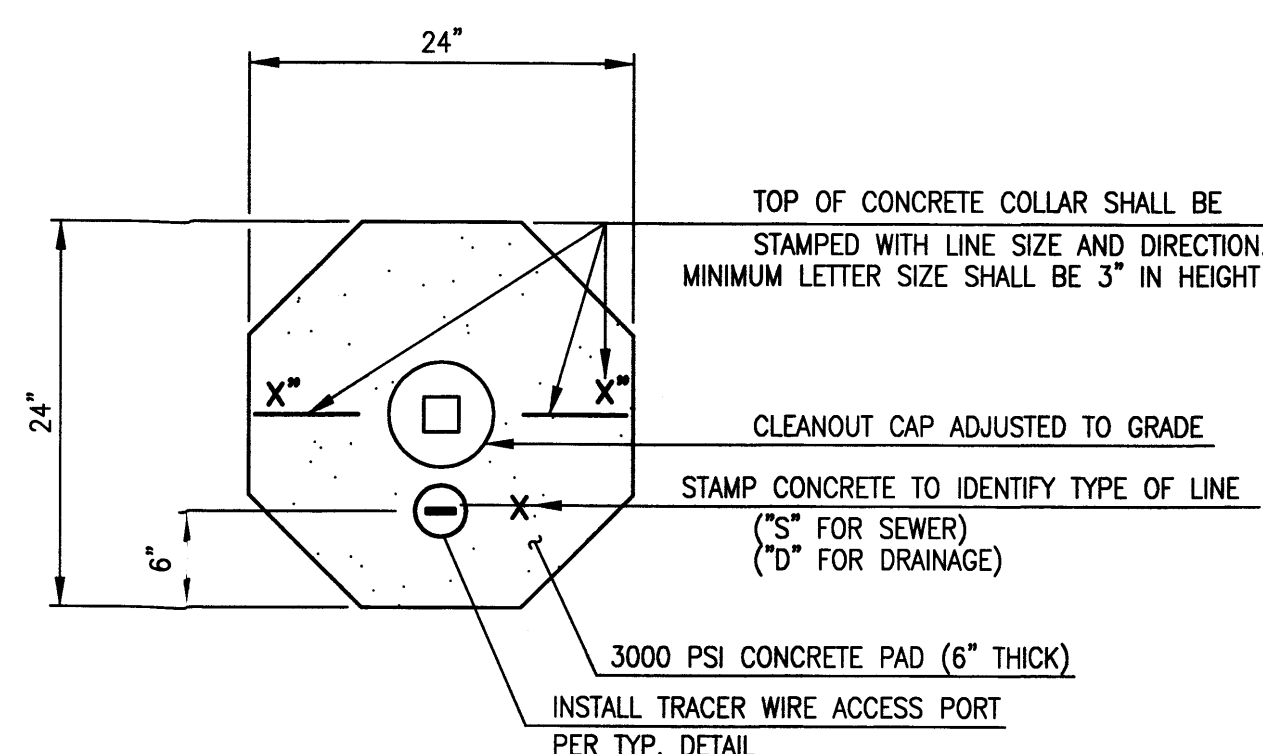
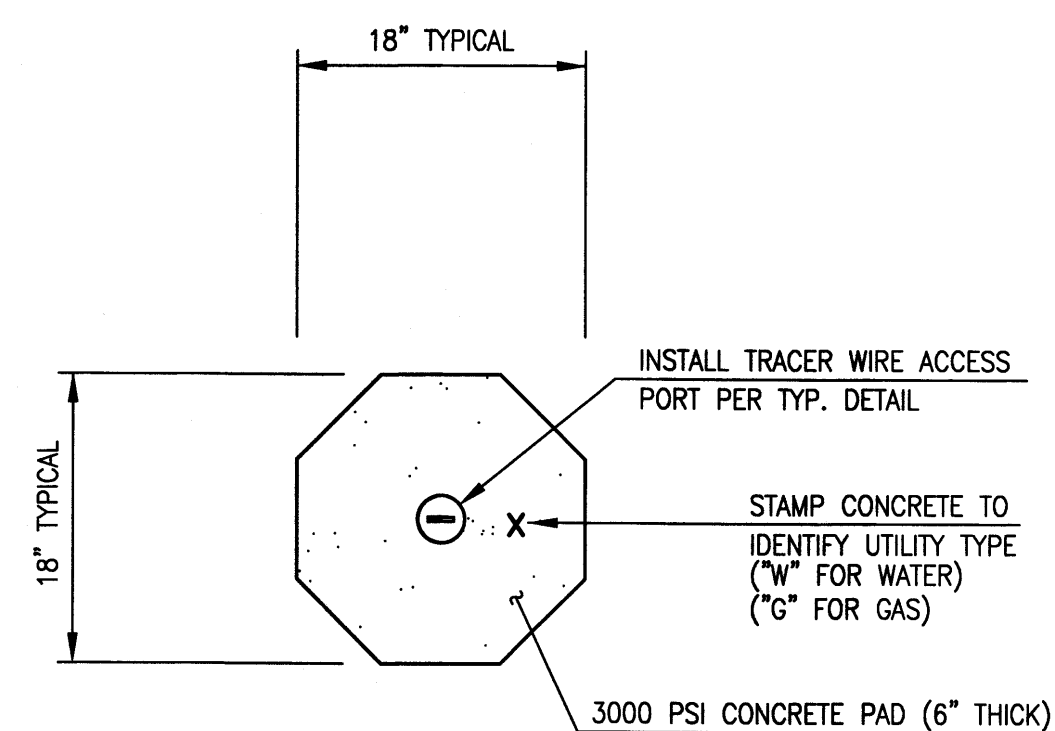
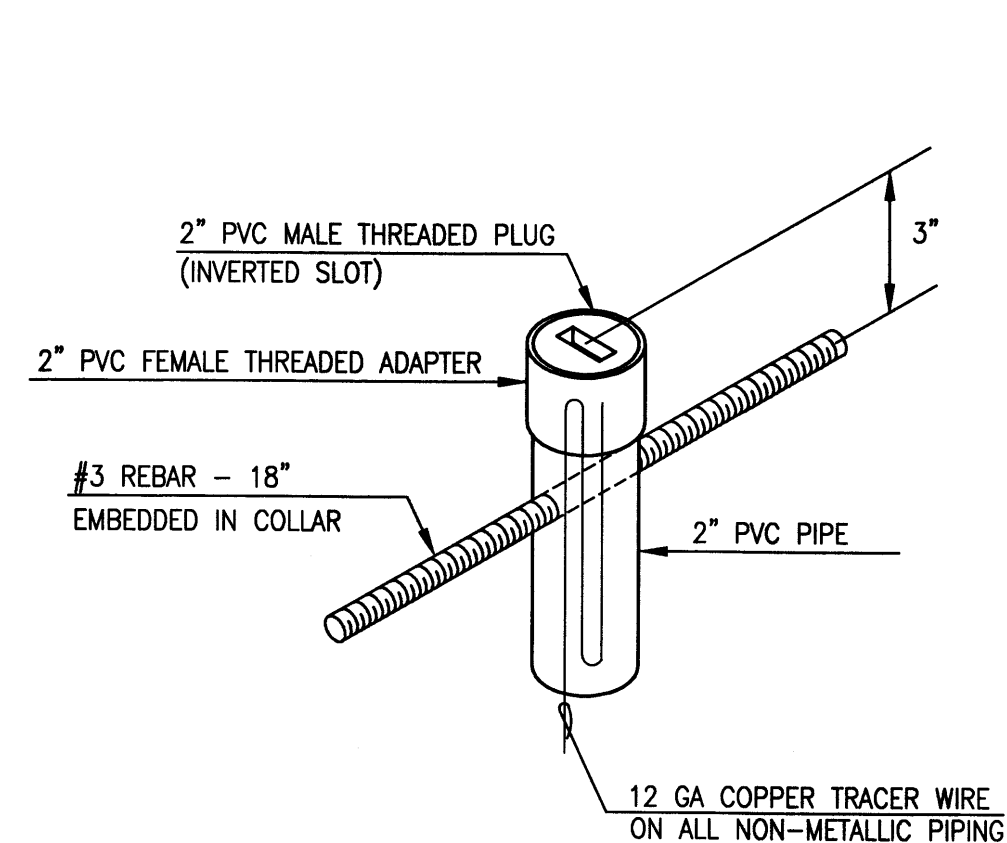
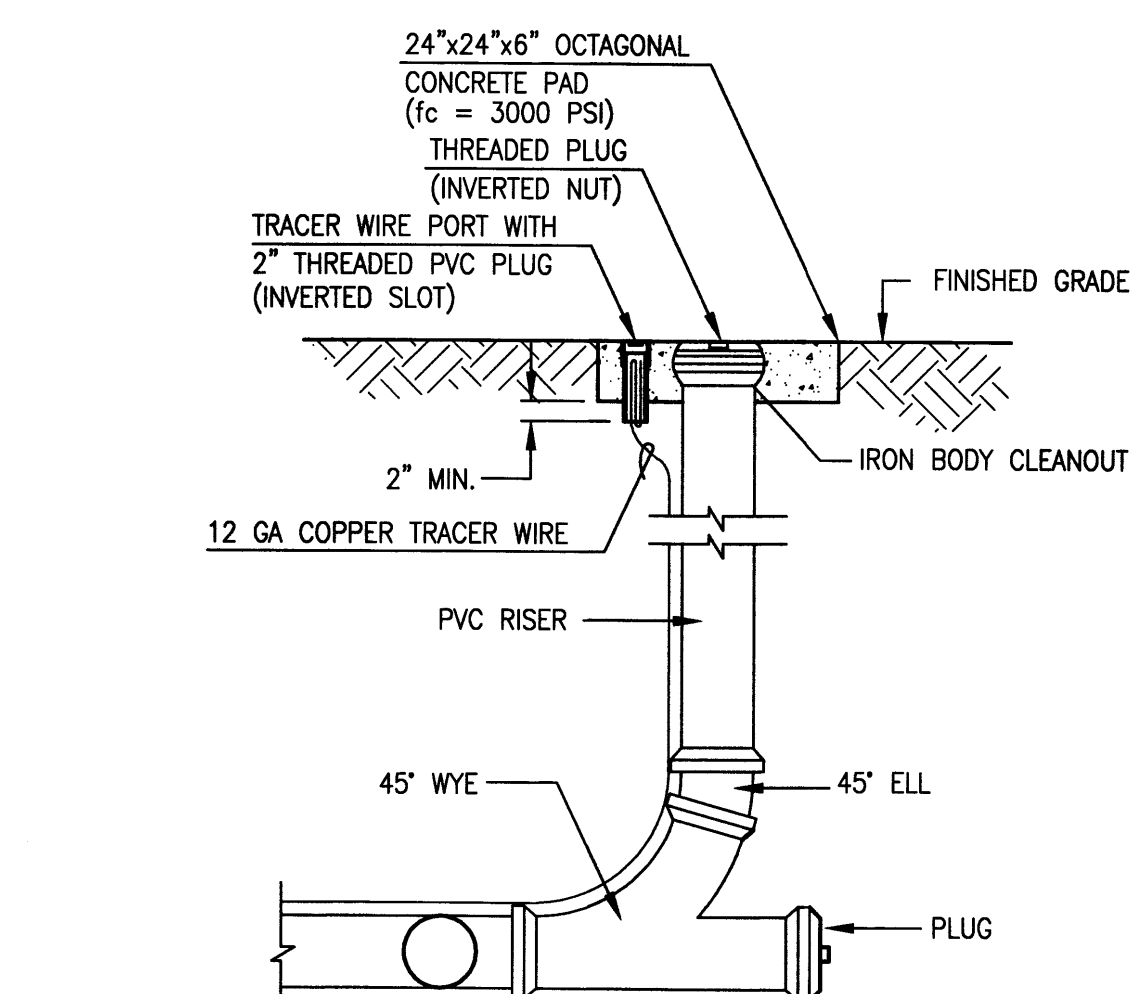
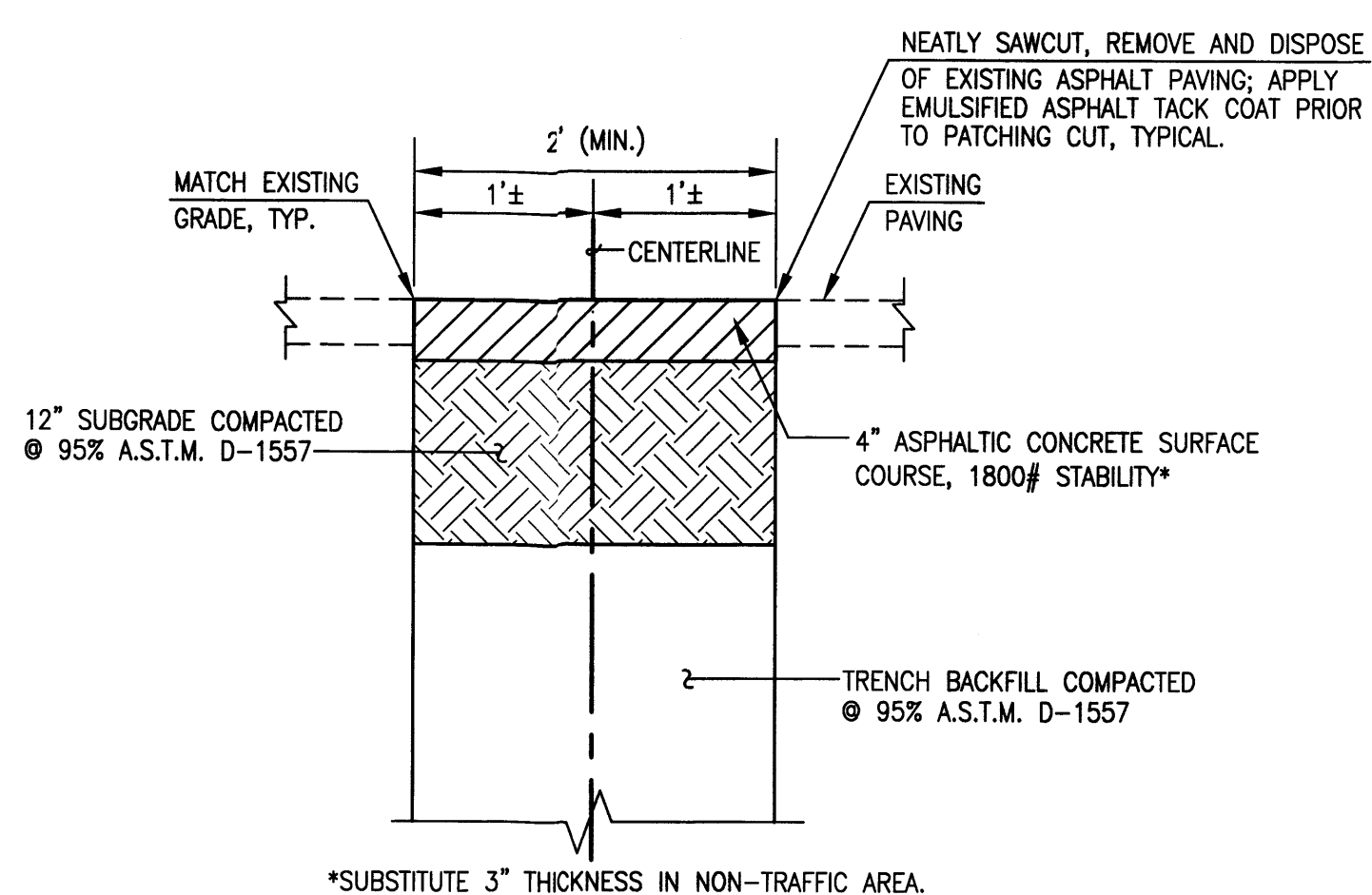
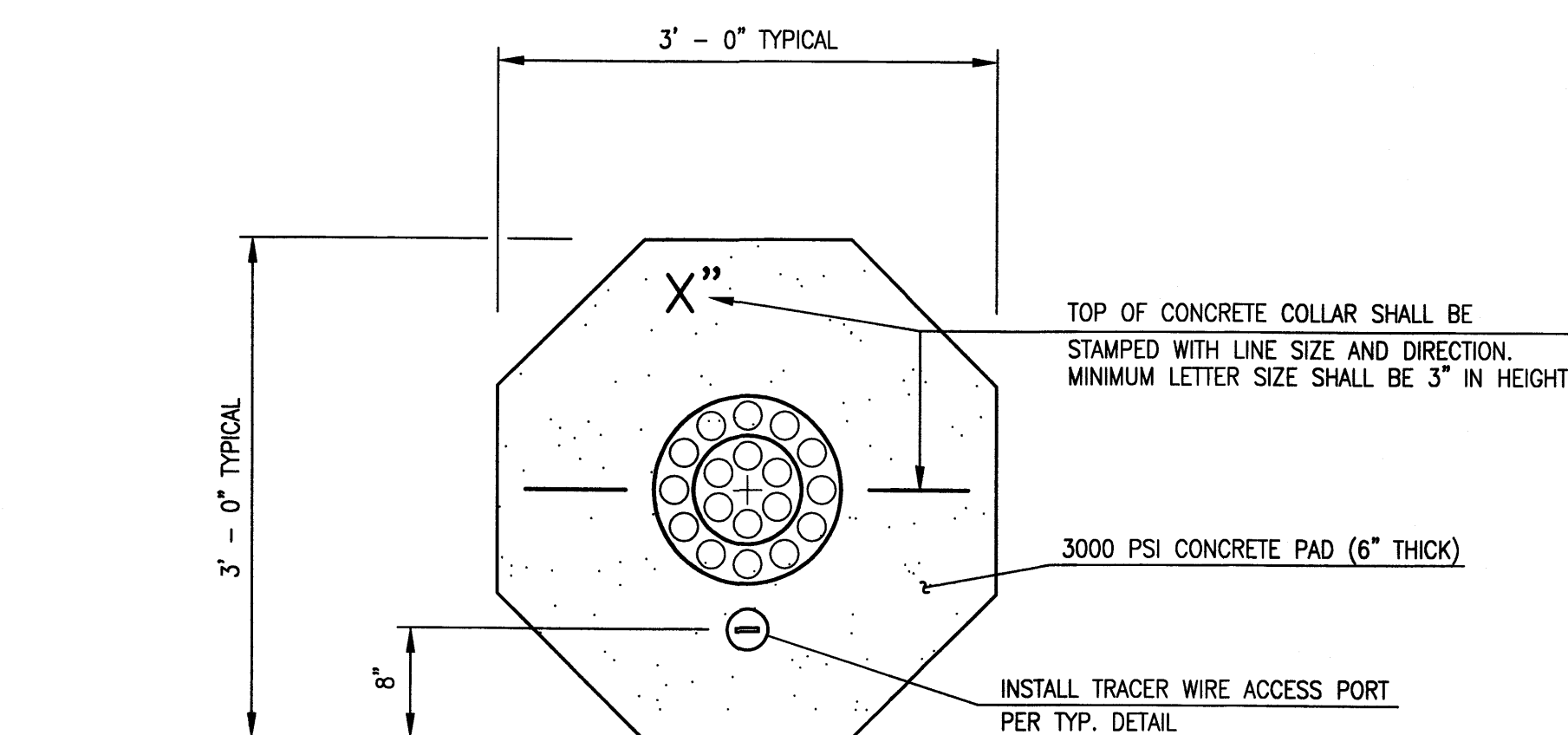
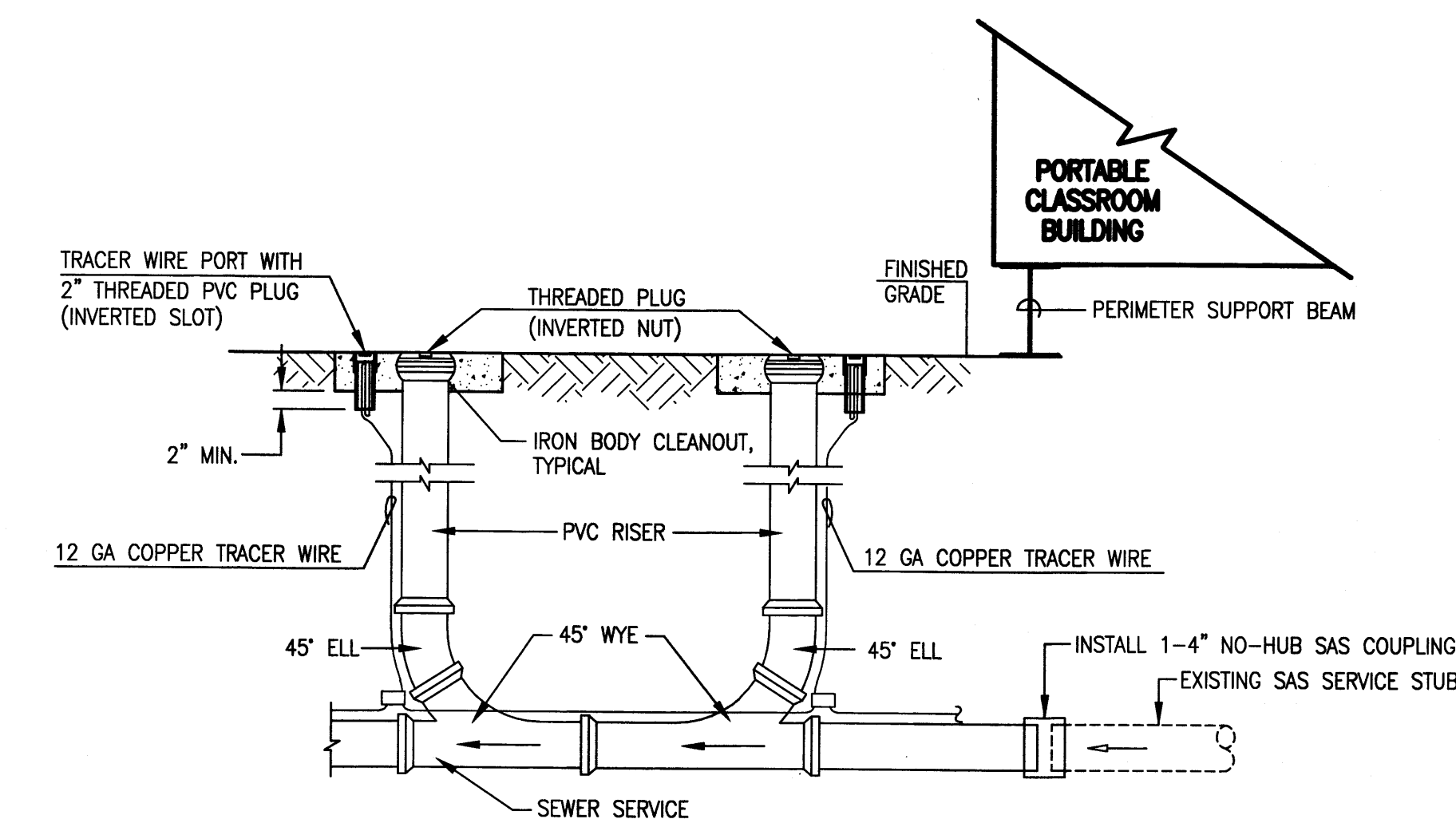
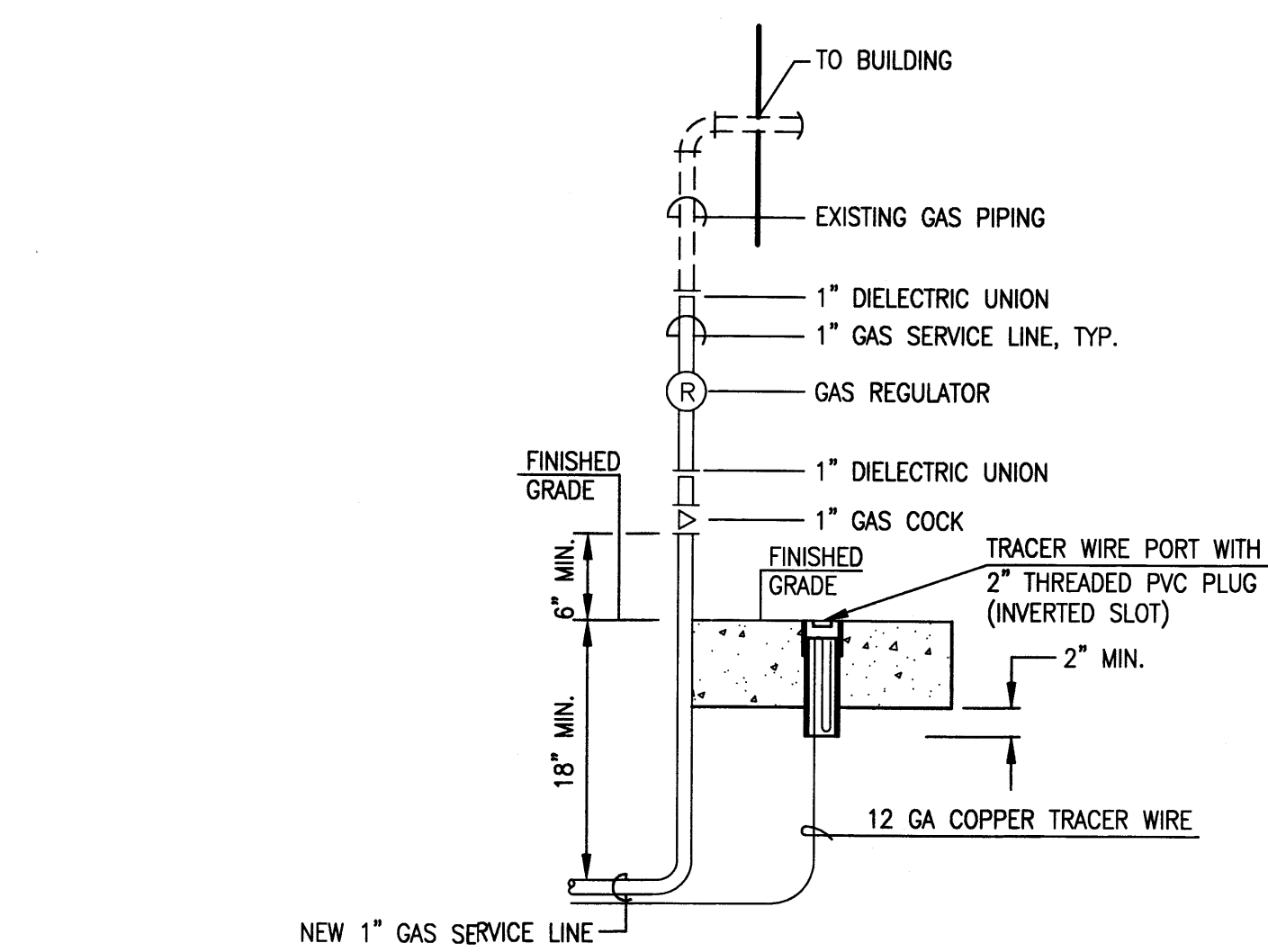
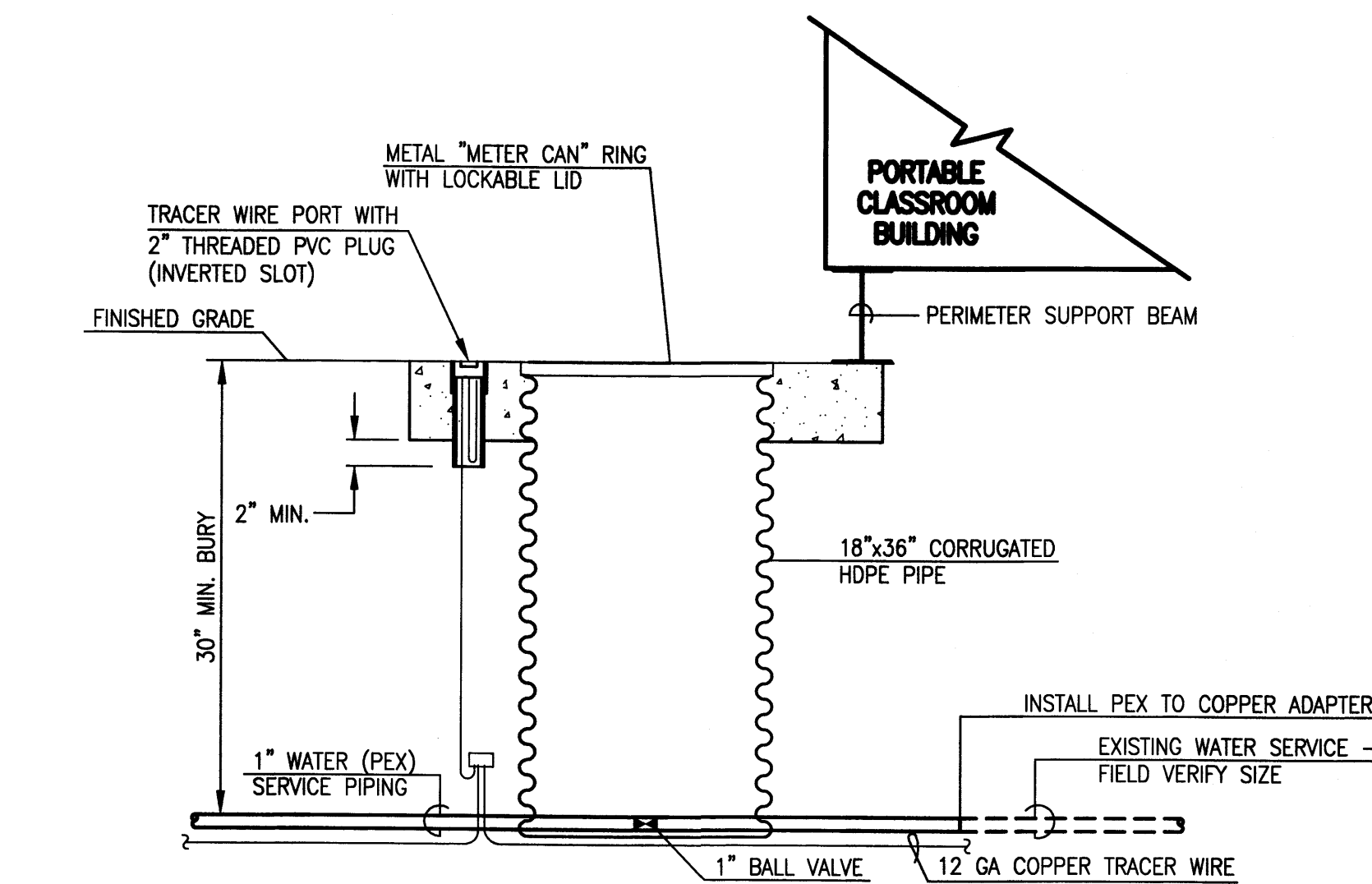
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UTILITY SITE PLAN
PAPA PORTABLE CLASSROOM RELOCATIONS
ACOMA ELEMENTARY SCHOOL
1800 PRINCESS JEANNE AVENUE NE

DESIGNED BY	G.M.	DATE	BY	REVISIONS	JOB NO.
DRAWN BY	T.N.T./J.Y.R.				2015.183.9
APPROVED BY	G.M.				DATE
					07-2016
					SHEET
					10 OF 12



07/11/2016



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NOTE: ALL UNDERGROUND PIPING SHALL BE INSTALLED WITH
TRACER WIRE AND CAUTION TAPE

HIGH MESA Consulting Group

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PORTABLE CLASSROOM UTILITY CONNECTION SECTIONS AND DETAILS
PAPA PORTABLE CLASSROOM RELOCATIONS
ACOMA ELEMENTARY SCHOOL
11800 PRINCESS JEANNE AVENUE NE

DESIGNED BY G.M.
DRAWN BY T.N.T./J.Y.R.
APPROVED BY G.M.

NO.	DATE	BY	REVISION

07/11/201

JOB NO. 2015.183.

DATE	07-2016
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SHEET 11 OF