

ADDENDUM NO. 1

OCTOBER 22, 2015

PREPARED BY SCHMIDT ASSOCIATES FOR:
DEER CREEK SHOOTING RANGE
INDIANA DEPARTMENT OF NATURAL RESOURCES

PART 1 - CHANGES TO PRIOR ADDENDA (NOT APPLICABLE)

PART 2 - CHANGES TO THE PROJECT MANUAL

Modifications described herein shall be incorporated in the Project Manual. All other Work shall remain unchanged.

This Addendum consists of 4 Addendum page(s) and attachment pages totaling 25 pages.

Acknowledge receipt of this Addendum by inserting its number on the Bid Form. Failure to do so may subject the Bid to disqualification. This Addendum is part of the Contract Documents.

2.1 DIVISION 00 – PROCUREMENT AND CONTRACTING REQUIREMENTS

A. Document 012100 “ALLOWANCES”

1. ADD following Allowance to Paragraph 3.3.B. Contractor shall pay directly to the Reelsville Water Authority, or to entity as directed, costs for water main extension to Deer Creek F&WA property. This water main has already been extended to the property and a cost of \$7,500 has been established.

B. Water Main Extension Allowance: Include \$7,500 in the Base Bid amount for making a direct payment to the local water company, or to an entity as directed, for the cost of the water main extension to the Deer Creek F&WA property. Note, the cost of extending the water service from the building out to the road and connecting to the main, note 2/CU101, shall be included in the base bid and not included in this Allowance.

B. Document 012300 “ALTERNATES”

1. Revise paragraph 3.1.C.1 as follows:
 - a. “C. Alternate No. 3: Asphalt Pavement for Drive & Parking Lot
 - 1) 1. Provide all labor, equipment, and materials necessary to provide asphalt binder, asphalt surface, striping, and other required related work for the drive and parking lot, as indicated. This also includes the drive and parking for the shotgun range. Note, if the shotgun range Alternate No. 5 is not accepted and

the Asphalt Pavement Alternate No. 3 is accepted, a negotiated cost for a deduct of asphalt in that area will be established.

C. Document 015000 "TEMPORARY FACILITIES AND CONTROLS"

1. Revise paragraph 1.4.D. and all subsequent references to electric power service as follows:
 - a. Electric Power Service: The Contractor shall provide temporary electric service to Site during construction. Coordinate with Duke Energy for metering and temporary connection to their service in SR 243. Contractor shall pay all temporary service charges. As an alternative, the Contractor may provide generators for temporary service. Provide connections and extensions of services as required for construction operations.

2.2 DIVISION 07 – THERMAL AND MOISTURE PROTECTION

- A. Section 071113 "Bituminous Dampproofing"
 1. ADD Section per the attached Section.

2.3 DIVISION 08 – OPENINGS

- A. Section 087100 "DOOR HARDWARE"
 1. ADD Section per the attached Section.

PART 3 - CHANGES TO THE DRAWINGS

Modifications described herein shall be incorporated in the Drawings. All other Work shall remain unchanged.

3.1 C-SERIES DRAWINGS

- A. **Drawing Number C002**
 1. Revise Note 5 to read, "Warning sign on post or hung on existing fence, spaced at 100' around perimeter of safety zone, furnished and installed by Owner".
- B. **Drawing Number CL501**
 1. DELETE AND REPLACE Detail 5D in its entirety and replace with the following:
"A1-5D-CL501 Concrete Straight Curb Detail"
- C. **Drawing Number CU101**
 1. ADD Note To Key Note 14 as follows:

“Ground water monitoring well shall be minimum 3’ below water table elevation. See detail 1A/CU502.”

D. Drawing Number **CU401**

1. DELETE following Details from the sheet:

“1B, 1C, 1D, 2C, and 2D.”

E. Drawing Number **CU502**

1. ADD following Details To the sheet:

“A1-3C-CU502, A1-4C-CU502, and A1-5C-CU502.”

2. DELETE following Details from the sheet:

“1C, 2B, 2C, 4A and 6A.”

F. Drawing Number **CG101**

1. MODIFY Plan as following:

“A1-1A1-CG101 and A1-1A2-CG101”

G. Drawing Number **CS101**

1. Provide section mark 8/CS401 along grid line E where the earth berms against new concrete wall.

2. General Notes:

a. Finish on precast concrete panels: Finish for precast planks shall be as cast on forms for sides and bottom and one-pass steel trowel on top surface.

b. All structural steel and connection plates, angles, and bolts shall be galvanized and painted with specified coating in Division 09 Section “High Performance Coatings”. All screw anchors shall be stainless steel.

c. Finished sides of all concrete walls shall be rubbed.

d. See Sheet CS101 for foundation elevation and section through short concrete wall at 50 yard range.

H. Drawing Number **CS401**

1. Provide “Nixalite Premium Model S Bird Spikes where indicated as “bird deterrent” on Detail 1.

3.2 E-SERIES DRAWINGS

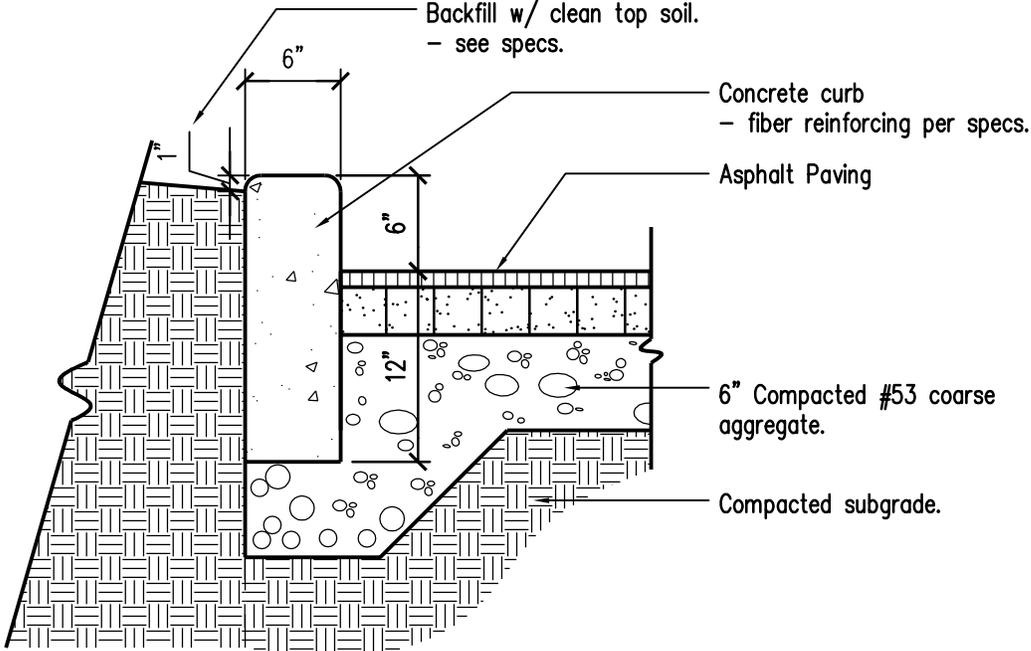
A. Drawing Number **ES101A**

1. MODIFY Drawing as follows:
"A1-1-ES101a"

END OF ADDENDUM 1

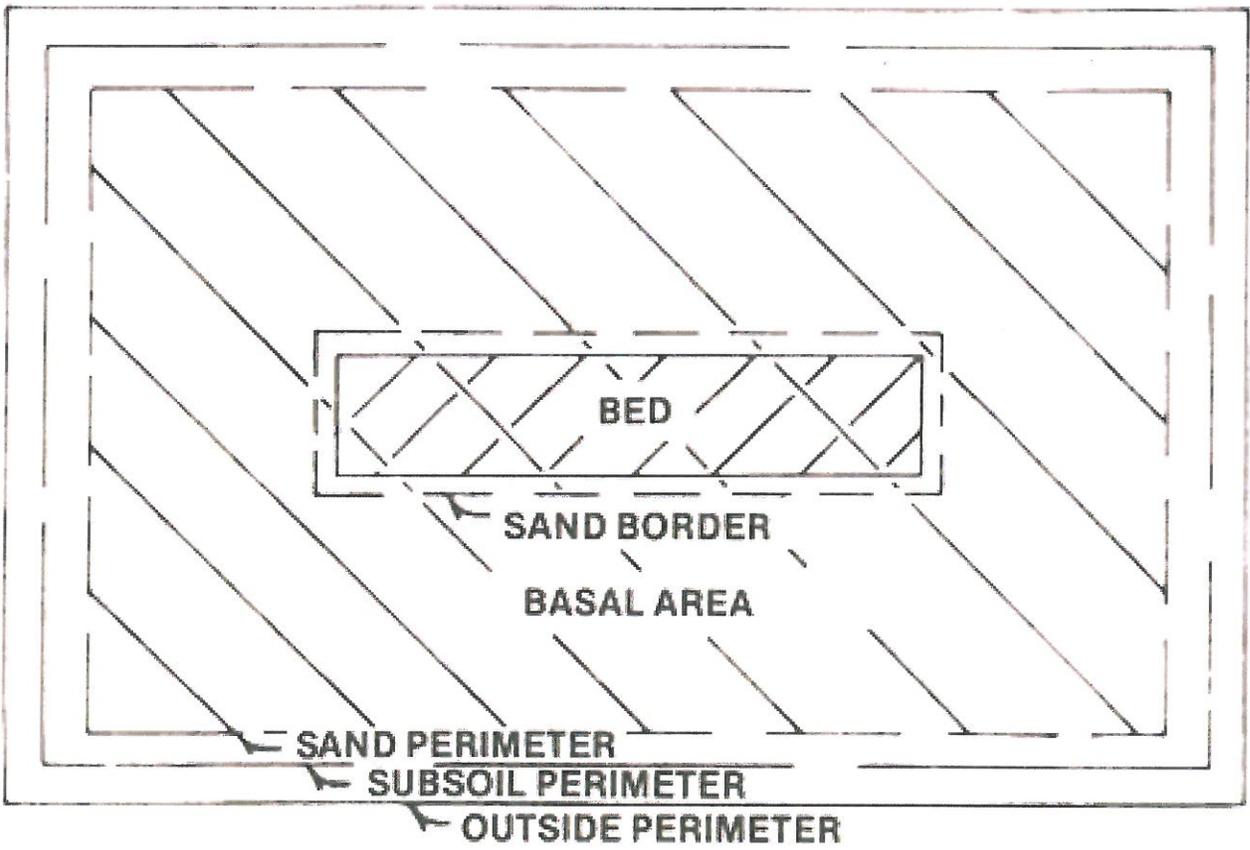
PRE-BID ATTENDANCE

The following Pre-Bid Sign-In Sheet is being made available to Bidders for informational purposes only and is not a part of the Addendum.



A1-5D-CL501-Straight Curb Detail

LEVEL SITE



SLOPING SITE

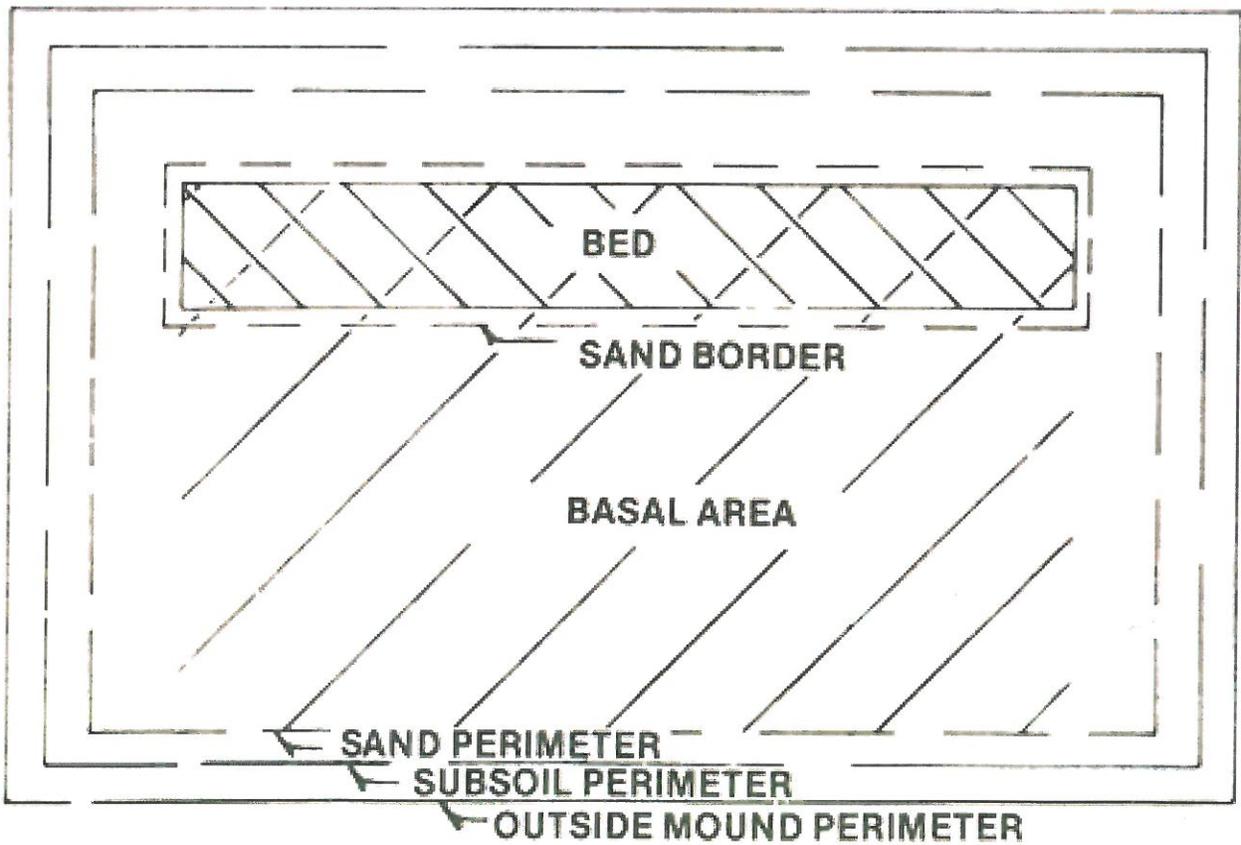
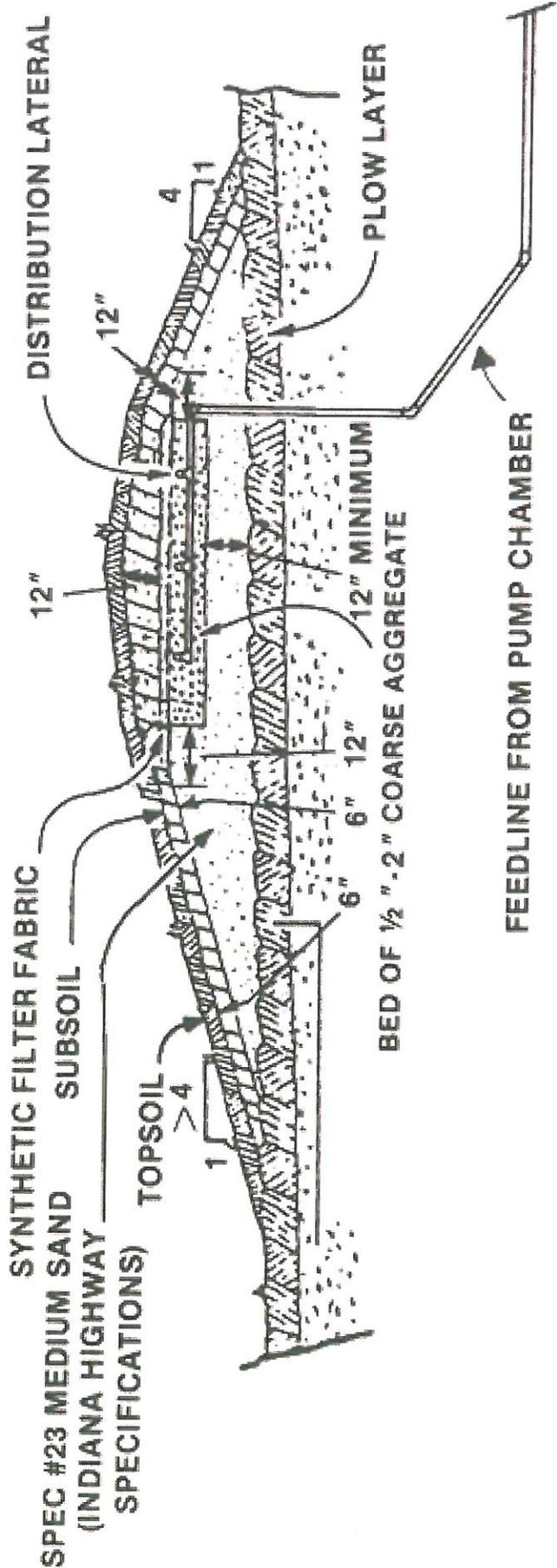


Figure 12. Plan view of elevated sand mound

A1-3C-C4502



Mound on Sloping Site
(Slope 0.5% to 6%)

Figure 11. Cross-section of elevated sand mound

A1-4c-cu502

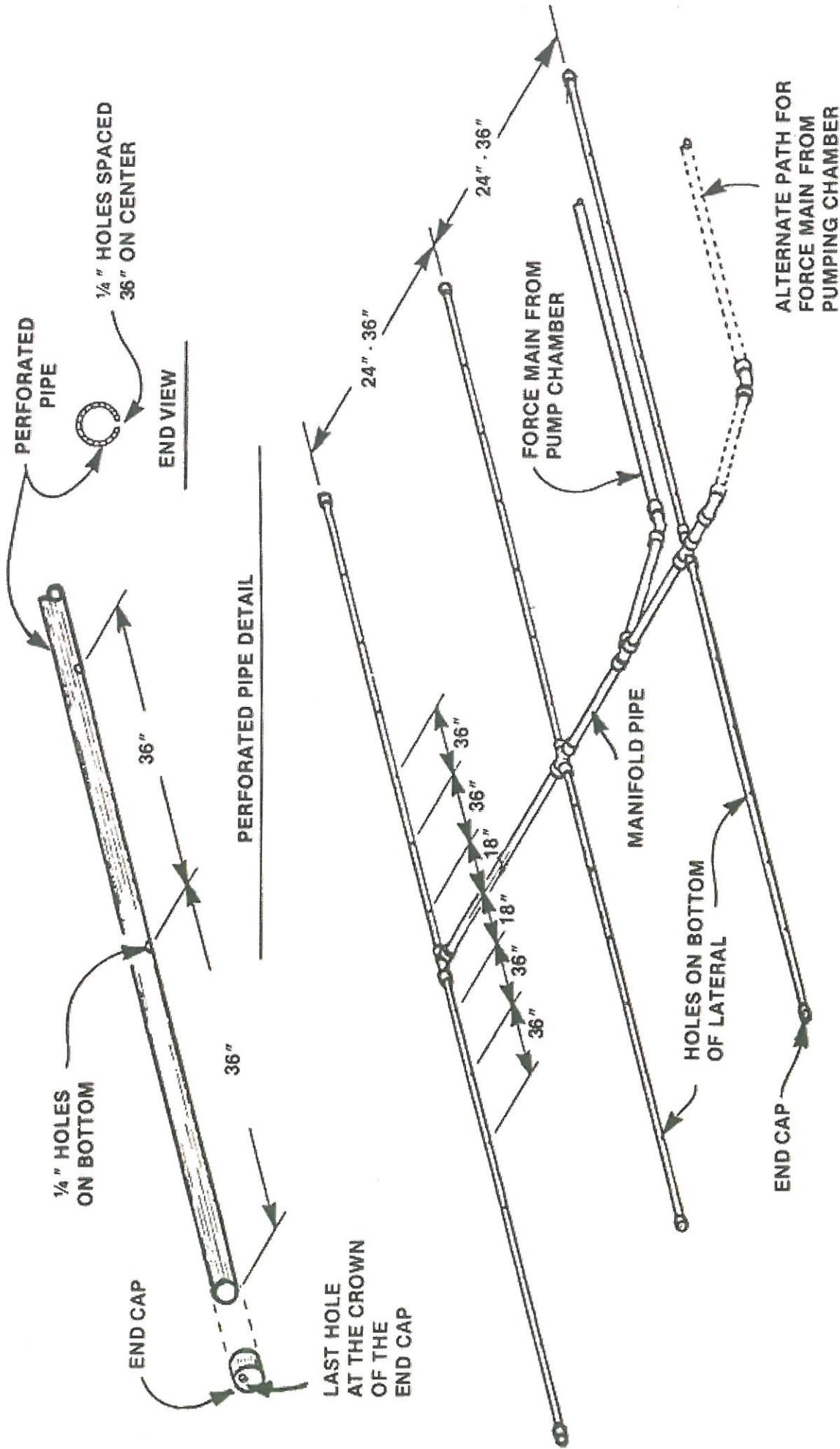
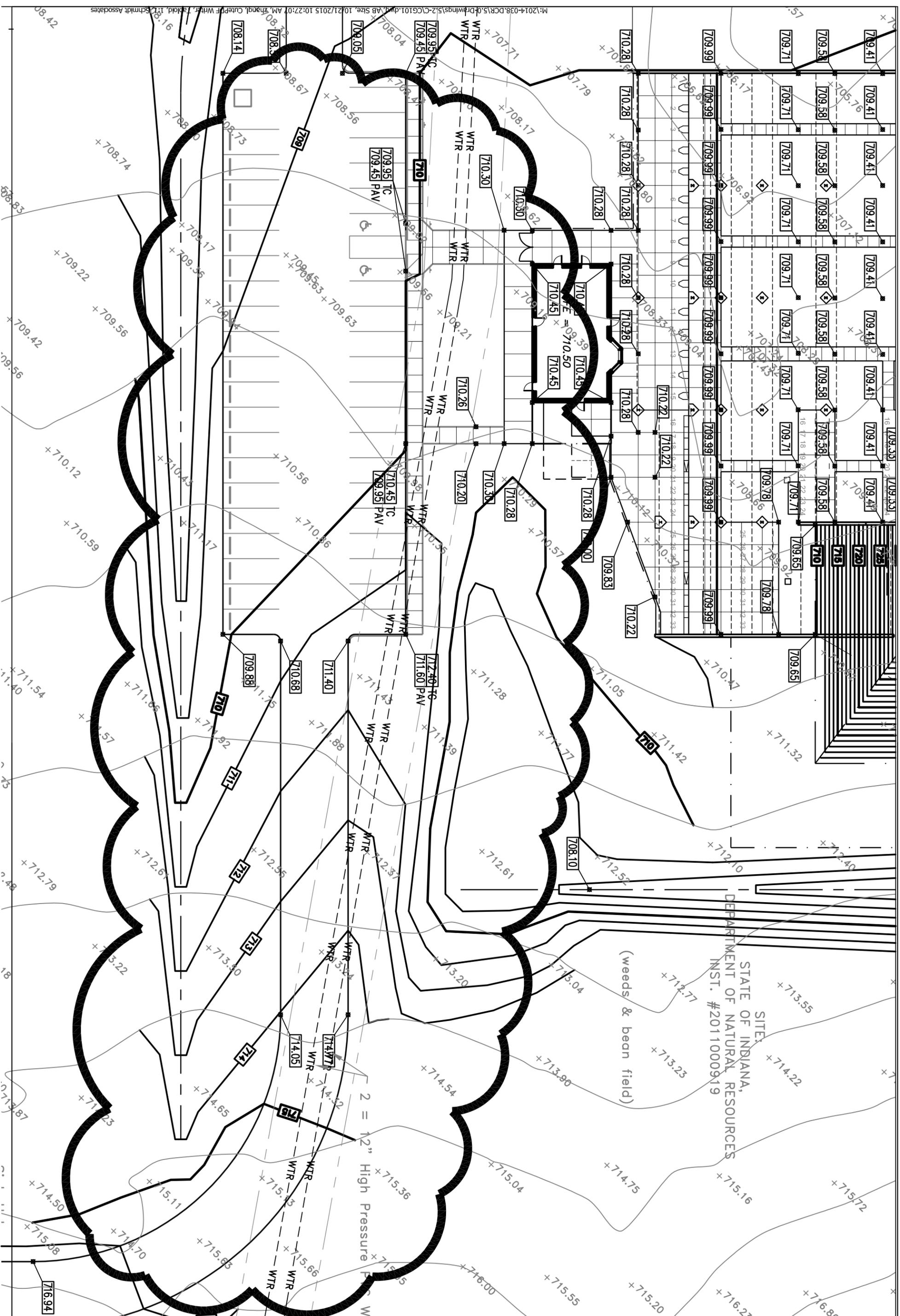


Figure 14. Small diameter pressure distribution system for mounds

AI-5c-cu502



M:\2014-038.DCR\5.0\Drawings\5-2-C\CG101.dwg, AB Size, 10/21/2015 10:27:07 AM, zhandl, Creiff, WTR, T, Schmid Associates

STATE OF INDIANA,
 DEPARTMENT OF NATURAL RESOURCES
 INST. #2011000919

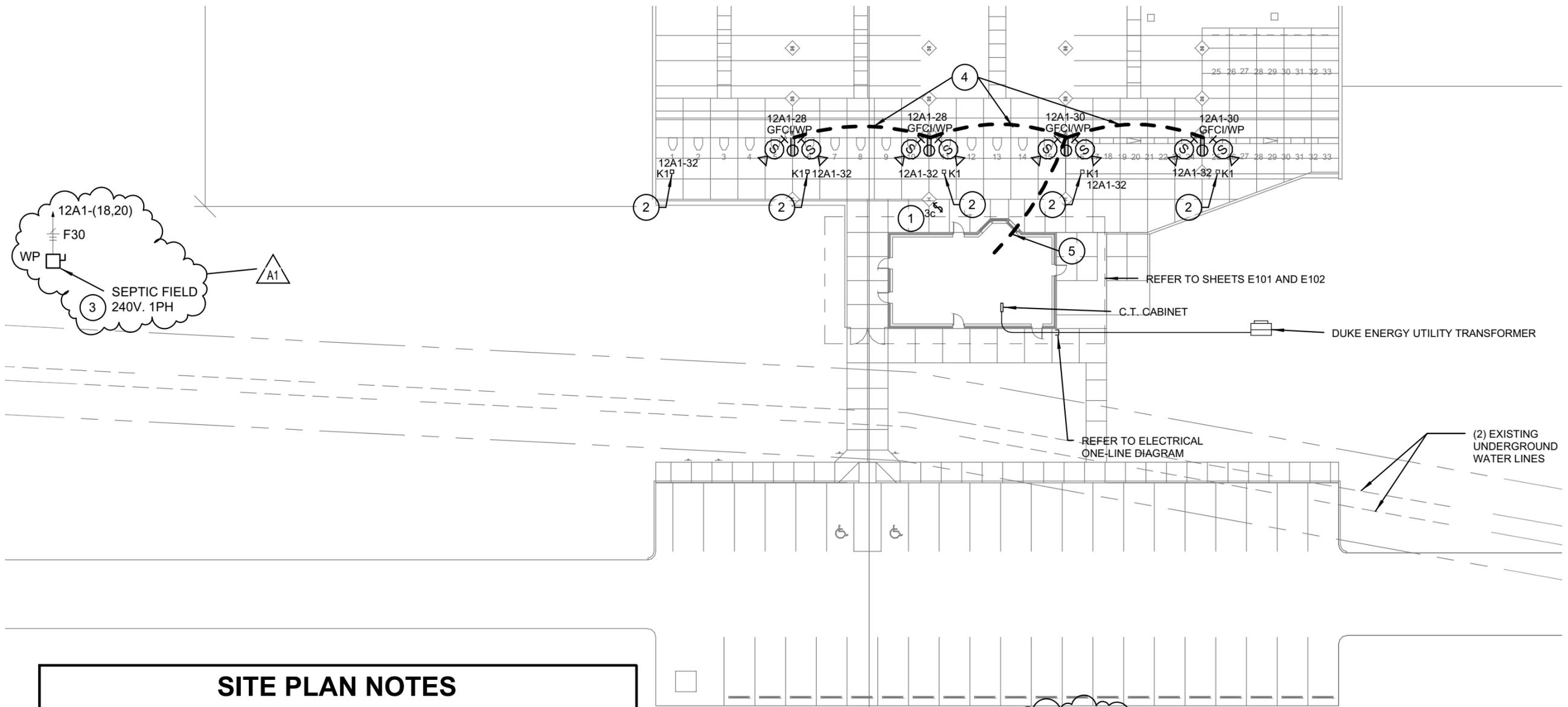
(weeds & bean field)

2 = 12" High Pressure P.C. Wd

#	Revision	Date
A1	Addendum #1	10.20.2015

Drawing #: A1-1A.\CG101
 Project #: 2014-038.DCR





SITE PLAN NOTES

1	3-WAY SWITCH FOR WARNING LIGHTS. SEE SHEET E101 FOR ADDITIONAL SWITCH LOCATION.
2	FLASHING WARNING LIGHT. MOUNT ON BAFFLE 36" BEHIND FIRING LINE.
3	VERIFY EXACT LOCATION OF WELL PUMP AND SEPTIC FIELD WITH CIVIL DRAWINGS PRIOR TO ROUGH-IN OF ELECTRICAL.
4	PROVIDE 1" CONDUIT AND SINGLE-GANG BOXES IN SERIES CONNECTED TO FACE OF COLUMNS FACING CHECK-IN BUILDING FOR INTERCOM SPEAKERS. FURNISH AND INSTALL 20A DUPLEX GFCI RECEPTACLES WITH IN-USE WEATHERPROOF COVER ON INSIDE WEB OF FLANGE, 18 INCHES ABOVE GRADE. REFER TO DETAIL 2/CS401.
5	PROVIDE 1" CONDUIT DOWN COLUMN UNDERGROUND TO INSIDE SOUND RACK LOCATION. SEE SHEET E101 FOR STUB UP LOCATION.

1 SITE ELECTRICAL PLAN
1" = 30'-0"

SECTION 071113 - BITUMINOUS DAMPPROOFING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes:
 - 1. Cold-applied, emulsified-asphalt dampproofing.

1.3 FIELD CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit dampproofing to be performed according to manufacturers' written instructions.

PART 2 - PRODUCTS

2.1 MATERIALS, GENERAL

- A. Source Limitations: Obtain primary dampproofing materials and primers from single source from single manufacturer. Provide auxiliary materials recommended in writing by manufacturer of primary materials.
- B. VOC Content: Products shall comply with VOC content limits of authorities having jurisdiction unless otherwise required.

2.2 COLD-APPLIED, EMULSIFIED-ASPHALT DAMPPROOFING

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. BASF Construction Chemicals
 - 2. Building Systems; Sonneborn Brand Products.
 - 3. Euclid Chemical Company (The); an RPM company.
 - 4. Henry Company.
 - 5. Karnak Corporation.

PART 1 - GENERAL

1.1 Refer to "General and Special Conditions", and "Instructions to Bidders", Division 1 of Specifications. Requirements of these Sections and the project drawings shall govern work in this section.

1.2 Summary:

A. Section Includes:

1. Furnish all items of Finish Hardware specified, scheduled, shown or required herein except those items specifically excluded from this section of the specification.

B. Related work:

1. Division 1 – General Requirements
2. Division 6 – Rough Carpentry
3. Division 6 – Finish Carpentry: Installation of Finish Hardware
4. Division 8 – Steel Doors and Frames

C. Specific Omissions: Hardware for the following is specified or indicated elsewhere, unless specifically listed in the hardware sets:

1. Cabinet Hardware
2. Signs
3. Access doors and panels

1.3 Submittals:

A. Hardware Schedule

1. Submit number of Hardware Schedules as directed in Division 1.
2. Follow guidelines established in Door & Hardware Institute Handbook (DHI) Sequence and Format for the Hardware Schedule unless noted otherwise.
3. Schedule will include the following:
 - a. Door Index including opening numbers and the assigned Finish Hardware set.
 - b. Preface sheet listing category only and manufacturer's names of items being furnished as follows:

CATEGORY	SPECIFIED	SCHEDULED
Hinges	Manufacturer A	Manufacturer B
Lock sets	Manufacturer X	Manufacturer X
Kick Plates	Open	Manufacturer Z

- c. Hardware Locations: Refer to Article 3.1.B.2 Locations.
- d. Opening Description: Single or pair, number, room locations, hand, active leaf, degree of swing, size, door material, frame material, and UL listing.
- e. Hardware Description: Quantity, category, product number, fasteners, and finish.
- f. Headings that refer to the specified Hardware Set Numbers.
- g. Scheduling Sequence shown in Hardware Sets.

- h. Product data of each hardware item, and shop drawings where required, for special conditions and specialty hardware.
- i. Electrified Hardware system operation description.
- j. "Vertical" scheduling format only. "Horizontal" schedules will be returned "Not Approved."
- k. Typed Copy.
- l. Double-Spacing.
- m. 8-1/2 x 11 inch sheets
- n. U.S. Standard Finish symbols or BHMA Finish symbols.

B. Product Data:

- 1. Submit, in booklet form Manufacturers Catalog cut sheets of scheduled hardware.
- 2. Submit product data with hardware schedule.

C. Key Schedule:

- 1. Submit detailed schedule indicating clearly how the Owner's final keying instructions have been followed.
- 2. Submit as a separate schedule.

D. Samples:

- 1. Prior to submittal of the final hardware schedule and prior to final ordering of finish hardware, submit one sample, if required, of each type of exposed hardware unit, finished as required and tagged with full description for coordination with schedule.
- 2. Samples will be returned to the supplier. Units, which are acceptable and remain undamaged through submittal, review and field comparison procedures, may, after final check of operation, be used in the work, within limitations of keying coordination requirements.

E. Operations and Maintenance Manuals

- 1. Provide operations and maintenance manuals for each type of door hardware.

1.4 Quality Assurance

A. Requirements of Regulatory Agencies:

- 1. Furnish finish hardware to comply with the requirements of laws, codes, ordinances, and regulations of the governmental authorities having jurisdiction where such requirements exceed the requirements of the Specifications.
- 2. Furnish finish hardware to comply with the requirements of the regulations for public building accommodations for physically handicapped persons of the governmental authority having jurisdiction and to comply with Americans with Disabilities Act.
- 3. Provide hardware for fire rated openings in compliance with NFPA 80 and state and local building code requirements. Provide only hardware that has been tested and listed by UL for types and sizes of doors required and complies with requirements of door and door frame labels.

B. Supplier:

- 1. Mechanical Hardware

- a. Shall be an established firm dealing in contract builders' hardware. He must have adequate inventory, qualified personnel on staff and be located within 100 miles of the project. The distributor must be a factory-authorized dealer for all materials required. The supplier shall be or have in employment an Architectural Hardware Consultant (AHC).
- C. Installer Qualifications:
1. Qualified tradesmen, skilled in application of commercial grade hardware with record of successful in-service performance for installing door hardware similar in quantity, type, and quality to that indicated for this Project.
- D. Pre-installation Meeting:
1. Before hardware installation, General Contractor/Construction Manager will request a hardware installation meeting be conducted on the installation of hardware; specifically that of locksets, closers, exit devices, overhead stops and coordinators. Manufacturer's representatives of the above products, in conjunction with the hardware supplier for the project, shall conduct the meeting. Meeting to be held at job site and attended by installers of hardware for aluminum, hollow metal and wood doors. Meeting to address proper coordination and installation of hardware, per finish hardware schedule for this specific project, by using installation manuals, hardware schedule, templates, physical product samples and installation videos.
- E. Manufacturer:
1. Obtain each type of hardware (latch and locksets, hinges, closers, etc.) from a single manufacturer, although several may be indicated as offering products complying with requirements.
 2. Provide electrified door hardware from same manufacturer as mechanical door hardware, unless otherwise indicated.
- 1.5 Product Delivery, Storage, and Handling:
- A. Inventory door hardware on receipt.
 - B. Label each item of hardware with the appropriate door number and Hardware Schedule heading number, and deliver to the installer so designated by the contractor.
 - C. Provide secure lock-up for door hardware delivered to Project site.
- 1.6 Warranties:
- A. Refer to Division 1 for warranty requirements.
 - B. During the warranty period, replace defective work, including labor, materials and other costs incidental to the work. Replace work found to be defective as defined in the General Conditions.
- 1.7 Maintenance and Service:
- A. Furnish a complete set of specialized tools for the Owner's continued adjustment, maintenance, and removal/replacement of door hardware.

PART 2 - PRODUCT

2.1 Manufacturers:

- A. Furnish each category with the products of only one manufacturer unless specified otherwise; this requirement is mandatory whether various manufacturers are listed or not.
- B. Provide the products of manufacturer designated or if more than one manufacturer is listed, the comparable product of one of the other manufacturers listed. Where only one manufacturer or product is listed, it is understood that this is the owner's Building Standard and "no substitution" is allowed.
- C. The first manufacture listed for each product is the manufacture used in the hardware sets.

2.2 Materials:

A. Screws and Fasteners:

1. Furnish fasteners of the proper type, size, quantity and finish. Use machine screws and expansion shields for attaching hardware to concrete or masonry, and wall grip inserts at hollow wall construction. Furnish machine screws for attachment to reinforced hollow metal doors and frames and reinforced aluminum doors and frames. Furnish full thread wood screws for attachment to solid wood doors and frames. "TEK" type screws are not acceptable.
2. Sex bolts will not be permitted on reinforced metal doors or wood doors where blocking is specified.

B. Hinges:

1. Quantity: Provide the following, unless otherwise indicated:
 - a. Two Hinges: For doors with heights up to 60 inches (1524 mm).
 - b. Three Hinges: For doors with heights 61 to 90 inches (1549 to 2286 mm).
 - c. Four Hinges: For doors with heights 91 to 120 inches (2311 to 3048 mm).
 - d. For doors with heights more than 120 inches (3048 mm), provide 4 hinges, plus 1 hinge for every 30 inches (750 mm) of door height greater than 120 inches (3048 mm).
2. Hinge Sizes: Provide the following, unless otherwise indicated:
 - a. 4-1/2 inches high: For all doors with widths of 36 inches or less.
 - b. 5 inches high: For all doors with widths greater than 36 inches.
3. Hinge Base Metal Thickness: Provide the following, unless otherwise indicated:
 - a. Medium Weight Doors with Medium Frequency: 0.134 inches thick.
 - b. Heavy Weight Doors with High Frequency: 0.180 inches thick.
4. Hinge Base Metal: Unless otherwise indicated, provide the following:
 - a. Exterior Hinges: Stainless steel, with stainless-steel pin.
 - b. Interior Hinges: Steel, with steel pin.
 - c. Hinges for Fire-Rated Assemblies: Steel, with steel pin.
5. Hinge Options: Where indicated in door hardware sets or on Drawings:
 - a. Nonremovable Pins: Provide set screw in hinge barrel that, when tightened into a groove in hinge pin, prevents removal of pin while door is closed; for out-swinging exterior doors and out-swinging corridor doors with locks.
 - b. Corners: Square.
 - c. Width of Hinges: Shall be sufficient to clear all trim.
6. Fasteners: Provide Phillips flat-head screws comply with the following::

- a. Machine Screws: For metal doors and frames. Install into drilled and tapped holes.
 - b. Wood Screws: For wood doors and frames.
 - c. Threaded-to-the-Head Wood Screws: For fire-rated wood doors.
 - d. Finish screw heads to match surface of hinges.
7. Manufacturers:
- a. Ives; an Allegion Company (IVE).
 - b. Hager Companies (HAG).
 - c. Stanley; a Stanley Black and Decker Company (STA).
 - d. McKinney; an Assa Abloy Company (MCK).
- C. Locks and Latches:
1. Mortise Locks:
 - a. All Mortise Locks shall be designed to meet BHMA A156.13, Grade 1 test standards and certified by an independent testing laboratory.
 - b. Locksets shall be manufactured from heavy gauge steel, minimum lockcase thickness 1/8", containing components of steel with a zinc dichromate plating for corrosion resistance.
 - c. Locks are to have a standard 2 3/4" backset with a full 3/4" throw two-piece stainless steel mechanical anti-friction latchbolt. Deadbolt shall be a full 1" throw, constructed of stainless steel.
 - d. Lockcase shall be easily handed without chassis disassembly by removing handing screw on lockcase and installing in opposite location on reverse side. Changing of door hand bevel from standard to reverse hand shall be done by removing the lockcase scalp plate, and pulling and rotating the latchbolt 180 degrees.
 - e. Lock trim shall be through-bolted to the door to assure correct alignment and proper operation. Lever trim shall have external spring cage mechanism to assist in support of the lever weight.
 - f. Provide strikes with extended lips where required to protect trim from being marred by latch bolt. Provide strike lips that do not project more than 1/8" beyond door frame trim at single doors and have 7/8" lip to center at pairs of 1-3/4" doors.
 - g. Manufacturers:
 - 1) Schlage; an Allegion Company, L9000 series (SCH).
 - h. Lockset Trim:
 - 1) Schlage, 06A
- D. Surface Door Closers:
1. All Surface Door Closers shall be designed to meet BHMA A156.4, Grade 1 test standards and certified by an independent testing laboratory.
 2. Door closers shall have fully hydraulic, full rack and pinion action with a high strength cast iron cylinder. Cylinder body shall be 1 1/2" in diameter, and double heat treated pinion shall be 11/16" in diameter with double D slab drive arm connection.
 3. Hydraulic fluid shall be of a type requiring no seasonal closer adjustment for temperatures ranging from 120 degrees F to -30 degrees F.
 4. Spring power shall be continuously adjustable over the full range of closer sizes, and allow for reduced opening force for the physically handicapped. Hydraulic regulation shall be by tamper-proof, non-critical valves. Closers shall have separate adjustment for latch speed, general speed, and backcheck.
 5. All closers shall have solid forged steel main arms (and forged forearms for parallel arm closers).
 6. All surface mounted mechanical closers shall be certified to exceed ten million (10,000,000) full load cycles by a recognized independent testing laboratory.

7. Closers will have Powder coating finish certified to exceed 100 hours salt spray testing by ETL, an independent testing laboratory used by BHMA for ANSI certification.
 8. Refer to door and frame details and furnish accessories such as drop plates, panel adapters, spacers and supports as required to correctly install door closers. State degree of door swing in the hardware schedule.
 9. Provide type of arm required for closer to be located on non-public side of door, unless otherwise indicated.
 10. Manufacturers:
 - a. LCN; an Allegion Company, 4040XP series (LCN).
- E. Door Trim:
1. Push Plates: 6 x 16 x .050 inches. If stile widths will not accept 6", provide stile width less 2".
 2. Pull Plates: 4 x 16 x .050 inches. 10" center.
 3. Manufacturers:
 - a. Ives; an Allegion Company, series as listed in sets (IVE).
 - b. Equal products from any member of B.H.M.A.
- F. Protection Plates:
1. Kick Plates:
 - a. Furnish beveled on 4 edges, countersink fasteners, .050" thick x 10" high x 1-1/2" less door width for the push side on single doors and 1" less door width for the pull side on single doors and push or pull side on pairs.
 2. Manufacturers:
 - a. Ives; an Allegion Company, 8400 series and 8402 series for rated openings for plates over 16" high (IVE).
 - b. Equal products of any B.H.M.A. manufacturer.
- G. Door Stops:
1. Wall Bumpers:
 - a. Cast, approximately 2-1/2 inch diameter, convex or concave rubber center, concealed fasteners.
 - 1) Ives; an Allegion Company, WS402CVX (IVE).
 - 2) Equal products of any B.H.M.A. manufacturer.
- H. Thresholds and Gasketing:
1. Thresholds:
 - a. 1/2" high - 5" wide. Cope at jambs.
 - b. Furnish full wall opening width when frames are recessed.
 - c. Cope in front of mullions if thresholds project beyond door faces.
 - d. Furnish with non-ferrous Stainless Steel Screws and Lead Anchors.
 - 1) Zero; an Allegion company, series as listed in sets (ZER).
 - 2) Equals by National Guard Products or Reese
 2. Door Sweeps:
 - a. Surface Sweeps:
 - 1) Zero; an Allegion company, series as listed in sets (ZER).
 - 2) Equals by National Guard Products or Reese
 3. Perimeter Gasketing:
 - a. Apply to head and jamb stops.
 - b. Solid Bar stock all sides
 - 1) Zero; an Allegion company, series as listed in sets (ZER).
 - 2) Equals by National Guard Products or Reese

I. Miscellaneous Hardware:

1. Silencers:
 - a. Provide silencers for all interior doors without gasketing.
 - 1) Ives; an Allegion Company, SR series (IVE).
 - 2) Equal product of any BHMA manufacturer
2. Drip Caps
 - a. Size drip cap: Door width plus 4"
 - 1) Zero; an Allegion company, series as listed in sets (ZER).
 - 2) Equals by National Guard Products or Reese
 - 3) Equal products of any BHMA manufacturer.

J. Furnish items not categorized in the above descriptions but specified by manufacturer's names in Hardware Sets.

2.3 Finishes:

- A. Generally, Dull Chrome, US10 / BHMA 612. Provide finish for each item as indicated in sets.

2.4 Cylinders and Keying:

- A. All cylinders for this project will be supplied by one supplier regardless of door type and location.
- B. The Finish Hardware supplier will meet with Architect and/or Owner to finalize keying requirements and obtain keying instructions in writing.
- C. Provide a cylinder for all hardware components capable of being locked.
- D. Provide cylinders master and grand master keyed to existing Marshall Best system according to Owner's instructions.
- E. Provide cylinders with construction cores or keying for use during the construction period. When so directed, and in the presence of the Owner's security department or representative, convert construction cores or keying to the final system.
- F. When performing changeover from construction key system to final key system deliver to the Architect or Owner's Representative the following cut keys:
 1. 25 each Temporary construction Operating keys.
 2. 2 each Temporary construction Control Keys.
 3. 2 each Control Keys.
 4. 2 each Great Grand/Grand Master Keys.
 5. 4 each Master/Sub Master keys per group.
 6. 2 each Keys per cylinder.

2.5 Templates and Hardware Location:

- A. Furnish hardware made to template. Supply required templates and hardware locations to the door and frame manufacturers.
- B. Furnish metal template to frame/door supplier for continuous hinge.

PART 3 - EXECUTION

3.1 Installation

A. General:

1. Install hardware according to manufacturer's installations and template dimensions. Attach all items of finish hardware to doors, frames, walls, etc. with fasteners furnished and required by the manufacture of the item.
2. Provide blocking/reinforcement for all wall mounted Hardware.
3. Reinforced hollow metal doors and frames and reinforced aluminum door and frames will be drilled and tapped for machine screws.
4. Install weather-strip gasket prior to parallel arm closer bracket, rim exit device or any stop mounted hardware. Gasket to provide a continuous seal around perimeter of door opening. Allow for gasket when installing finish hardware. Door closers will require special templating. Exit devices will require adjustment in backset.
5. Door closers shall be templated to allow doors widest opening possible with surrounding wall configuration.

B. Locations:

1. Dimensions are from finish floor to center line of items.
2. Include this list in Hardware Schedule.

<u>CATEGORY</u>	<u>DIMENSION</u>
Hinges	Door Manufacturer's Standard
Levers	Door Manufacturer's Standard
Push Plates	50" Centerline of Plate
Pull Plates	50" Centerline of Pull

C. Final Adjustment:

1. The general contractor shall provide the services of a representative to inspect material furnished and its installation and adjustment, and to instruct the Owner's personnel in adjustment, care and maintenance of hardware.
2. Locksets, closers and exit devices shall be inspected by the factory representative to insure correct installation and proper adjustment in operation. The manufacturer's representative shall prepare a written report stating compliance, and also recording locations and kinds of non-compliance. The original report shall be forwarded to the Architect with copies to the Contractor, hardware supplier, hardware installer and building owner.

D. Technical and Warranty Information:

1. At the completion of the project, the technical and warranty information coalesced and kept on file by the General Contractor/Construction Manager shall be given to the Owner or Owner's Agent. In addition to both the technical and warranty information, all factory order acknowledgement numbers supplied to the General Contractor/Construction Manager during the construction period shall be given to the Owner or Owner's Agent. The warranty information and factory order acknowledgement numbers shall serve to both expedite and properly execute any warranty work that may be required on the various hardware items supplied on the project.

3.2 Hardware Sets:

Hardware Group No. 01

For use on mark/door #(s):

A101.1 A101.2

Provide each SGL door(s) with the following:

Qty		Description	Catalog Number	Finish	Mfr
3	EA	HINGE	5BB1 4.5 X 4.5 NRP	612	IVE
1	EA	CORRIDOR W/DEADBOLT	L9456BDC 06A L583-363	612	SCH
1	EA	PERMANENT CORE	MBS-IC7	606	MAR
1	EA	SURFACE CLOSER	4040XP SCUSH	691	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B4E CS	612	IVE
1	EA	DRIP CAP	142G	612	ZER
1	SET	SEAL	328G	612	ZER
1	EA	DOOR SWEEP	8198G	612	ZER
1	EA	THRESHOLD	655B	612	ZER

Hardware Group No. 02

For use on mark/door #(s):

A102.2 A103.1

Provide each SGL door(s) with the following:

Qty		Description	Catalog Number	Finish	Mfr
3	EA	HINGE	5BB1 4.5 X 4.5 NRP	612	IVE
1	EA	STOREROOM W/DEADBOLT	L9480BDC 06A L583-363	612	SCH
1	EA	PERMANENT CORE	MBS-IC7	606	MAR
1	EA	SURFACE CLOSER	4040XP SCUSH	691	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B4E CS	612	IVE
1	EA	DRIP CAP	142G	612	ZER
1	SET	SEAL	328G	612	ZER
1	EA	DOOR SWEEP	8198G	612	ZER
1	EA	THRESHOLD	655B	612	ZER

Hardware Group No. 03

For use on mark/door #(s):

A102.1 A105.1

Provide each SGL door(s) with the following:

Qty		Description	Catalog Number	Finish	Mfr
3	EA	HINGE	5BB1 4.5 X 4.5 NRP	612	IVE
1	EA	STOREROOM LOCK	L9080BDC 06A	612	SCH
1	EA	PERMANENT CORE	MBS-IC7	606	MAR
1	EA	WALL STOP	WS402CVX	612	IVE
3	EA	SILENCER	SR64	GRY	IVE

Hardware Group No. 04

For use on mark/door #(s):

A104.1 A106.1

Provide each SGL door(s) with the following:

Qty		Description	Catalog Number	Finish	Mfr
3	EA	HINGE	5BB1 4.5 X 4.5 NRP	612	IVE
1	EA	CLASSROOM DEAD LOCK	L463BDC	612	SCH
1	EA	PERMANENT CORE	MBS-IC7	606	MAR
1	EA	PUSH PLATE	8200 6" X 16"	612	IVE
1	EA	PULL PLATE	8303 10" 4" X 16"	612	IVE
1	EA	SURFACE CLOSER	4040XP SCUSH	691	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B4E CS	612	IVE
1	EA	DRIP CAP	142G	612	ZER
1	SET	SEAL	328G	612	ZER
1	EA	DOOR SWEEP	8198G	612	ZER
1	EA	THRESHOLD	655B	612	ZER

END OF SECTION

6. Meadows, W. R., Inc.

B. Trowel Coats: ASTM D 1227, Type II, Class 1.

2.3 AUXILIARY MATERIALS

A. General: Furnish auxiliary materials recommended in writing by dampproofing manufacturer for intended use and compatible with bituminous dampproofing.

B. Emulsified-Asphalt Primer: ASTM D 1227, Type III, Class 1, except diluted with water as recommended in writing by manufacturer.

C. Patching Compound: Epoxy or latex-modified repair mortar of type recommended in writing by dampproofing manufacturer.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas, and conditions with installer present, for compliance with requirements for surface smoothness, surface moisture, and other conditions affecting performance of bituminous dampproofing work.

1. Test for surface moisture according to ASTM D 4263.

B. Proceed with dampproofing application only after substrate construction and penetrating work have been completed and unsatisfactory conditions have been corrected.

C. Protection of Other Work: Mask or otherwise protect adjoining exposed surfaces from being stained, spotted, or coated with dampproofing. Prevent dampproofing materials from entering and clogging weep holes and drains.

D. Clean substrates of projections and substances detrimental to the dampproofing work; fill voids, seal joints, and remove bond breakers if any, as recommended in writing by prime material manufacturer.

E. Apply patching compound for filling and patching tie holes, honeycombs, reveals, and other imperfections.

3.2 APPLICATION, GENERAL

A. Comply with manufacturer's written instructions for dampproofing application, cure time between coats, and drying time before backfilling unless more stringent requirements are indicated or required by Project conditions to ensure satisfactory performance of dampproofing.

1. Apply dampproofing to provide continuous plane of protection.
2. Apply additional coats if recommended in writing by manufacturer or if required to achieve a smooth surface and uninterrupted coverage.

- B. Apply from finished-grade line to top of footing, extend over top of footing, and down a minimum of 6 inches (150 mm) over outside face of footing.

3.3 COLD-APPLIED, EMULSIFIED-ASPHALT DAMPPROOFING

- A. Apply dampproofing to all pre-cast concrete retaining walls on side that earth supports.
- B. On Unexposed Face of Concrete Retaining Walls: Apply 1 brush or spray coat at not less than 1.25 gal./100 sq. ft. (0.5 L/sq. m).

3.4 CLEANING

- A. Remove dampproofing materials from surfaces not intended to receive dampproofing.

END OF SECTION 071113



Sign-In Sheet

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