GREENBRIER COUNTY BOARD OF EDUCATION
GREENBRIER COUNTY, WEST VIRGINIA

ALDERSON ELEMENTARY SCHOOL ADDITIONS AND RENOVATIONS
ADDENDUM #3
OCTOBER 12, 2022

THRASHER PROJECT #060-10180

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated September 13, 2022 and any subsequent addenda. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

A. GENERAL

The Bid Date has been extended to November 2, 2022, at 1:30pm.

There is a 1% B&O tax for the City of Alderson applicable to this Project.

The Geotechnical Report for the PEMB Gym Floor Remediation Work (Alternate No. 1) is attached to this Addendum.

B. SPECIFICATIONS

Section 033000 Cast-in-Place Concrete, OMIT paragraph 1.4.F.

Section 087100 Door Hardware, REVISE Door 054B to Set 4.0.

Section 088000 Glazing, OMIT paragraph 1.3.D.

Section 089119 Fixed Louvers, OMIT paragraph 1.2.D.

Section 095113 Acoustic Ceiling Panels, OMIT paragraph 1.3.D.

Section 096816 Sheet Carpeting, ADD specification as attached to this Addendum.

Section 114000 Food Service Equipment, REVISE paragraph1.6.A.1 to read, "Warranty Period: Four years from the date of Substantial Completion."

Section 114000 Food Service Equipment, paragraph 2.4.D, REVISE to read "Wall and Ceiling Panels: 4" thickness… "

Section 114000 Food Service Equipment, REVISE Product Data Sheets as follows.
KE Item #29 to include, PS-18-108 at Sink #10
KE Item #20 to include, Bowl Truck.
KE Item #22 to include, Manitowoc Artic Pure Water Filter System AR-10000 (14,000-gal capacity) and associated piping.

Section 114000 Food Service Equipment, ADD Product Data Sheets
KE #6.A
KE #10.A
KE #21.A
KE # 6.B and 21.B

Section 105113 Metal Lockers, paragraph 2.2.A, ADD "10. Elite Storage Products, LockersMFG".

Specification 275350 Education Intercom and Program Systems, OMIT in its entirety. Intercom system is not part of the project. Contractor to provide rough-in only.

Section 230900 HAVC Instrumentation and Controls, paragraph 2.2.A, OMIT ASI, ADD Distech and ABB.

C. DRAWINGS

Sheet C1.03, REVISE flagged items on the updated sheet attached to this Addendum.

Sheet C1.09, REVISE flagged items on the updated sheet attached to this Addendum.

Sheet C1.10, REVISE flagged items on the updated sheet attached to this Addendum.

Sheet C1.11, REVISE flagged items on the updated sheet attached to this Addendum.

Sheet C1.15, REVISE flagged items on the updated sheet attached to this Addendum.

Sheet A4.06, ADD Detail 1/ADD3-1 for the Coiling Counter Door as attached to this Addendum.

Sheet A4.07, REVISE all references to note 31 to read as "29".

Sheet A7.01, Room Finish Schedule, Reference Notes, at HVT-2 and HVT-3, OMIT boxed Deductive Alternate notes.

Sheet A7.02, Room Finish Schedule, Reference Notes, at HVT-2 and HVT-3, OMIT boxed Deductive Alternate notes.

Sheet A7.02, Main Floor Plan, REVISE the Floor Finish hatch in the Kitchen spaces to be Epoxy.

Sheet A7.02, Main Floor Plan, REVISE the Floor Finish hatch in Multi-Purpose to be ETR-1.

Sheet FP1.01 – ADD the following note in the area of Gym 061, "Include fire protection/fire alarm system in the lower-level classroom and adjacent areas, approximately 2500sf."

Sheet P1.06 – ADD note to "Provide ¾" waterlines to Combi-Oven (KE #16) and Tilt-Skillet Sprayer (KE#17).

Sheet E1.02 – ADD 8) L30 Light Fixtures on 2) switches above Stage 105.

Sheet E1.03 – Lift 051, ADD a 120V, 20A receptacle for wheelchair lift; coordinate location with lift provider. Connect to circuit LK-39.

Sheet E1.04 – Hall 107. ADD a 120V, 20A receptacle for wheelchair lift, coordinate location with lift provider. Connect to circuit LK-40.

Sheet E1.06R (Addendum 1) – REPLACE with Sheet E1.06R2 as attached to this Addendum.

Sheet E1.07R (Addendum 1) – REPLACE with Sheet E1.07R2 as attached to this Addendum.

Sheet SE1.01 – ADD power for trash compactor located near dumpster as indicated on SK-E8 as attached to this Addendum.

D. QUESTIONS AND RESPONSES

Q1. Please confirm the opening size of the counter identified in Addendum 2, Q14, A14 (Elevation 7/A4/06, Note 8.)
A1. See supplemental Detail 1/ADD3-1 as attached to this Addendum.

Q2. There are no CO detectors on the print. Are they going to be required to be tied into the fire alarm system?
A2. Not required. There is no gas on the project.

Q3. Will the elevator shaft or machine room be sprinkled?
A3. Coordinate with sprinkler contractor. Provide devices as required.

Q4. Note 3 in fire alarm notes states that the building will be partially sprinkled. What part is sprinkled?
A4. The entire building will be sprinklered.

Q5. On Connect equipment to utilities. Normally the final utility connections are provided by the appropriate contractors i.e. plumbers, electricians, etc. Food service contractor sets equipment in place and makes ready for final connections. Are final connections to be made by the appropriate trades?
A5. Responsibilities for connections and other scopes-of-work shall be coordinated between the general contractor, sub-contractors and material suppliers.

Q6. There are virtually no written specifications for the kitchen equipment. Only spec sheets with highlighted areas indicating the equipment. Are written specs available showing all the options?
A6. Product data sheets shall serve as a Basis-Of-Design for bidding purposes. No additional written sheets are to be provided.

Q7. On the walk-in cooler/freezer, there aren't any written specs on the refrigeration systems as to what accessories need to be provided.
A7. System description indicated in Specification Section 114000 Food Service Equipment.

Q8. Refrigeration warranty. The details of the warranty need to be clarified. It only mentions the compressor warranty. Typically, the warranty period is one-year parts & labor w/ an additional 4-year compressor warranty (parts only).
A8. Revised in this Addendum.

Q9. On the soiled dish table there is no mention of the required faucet. Item # 6
A9. Revised in this Addendum.

Q10. On the dishwasher #7, there are no references to how the dishwasher is going to be vented. I see a dashed area around the dishwasher possibly indicating a box style hood. However, this is not the recommended type of venting for this style dishwasher. Pant leg duct is more effective at controlling & removing the steam. Please clarify this and which division this will fall under, 11400 or mechanical. Most of the time we provide the pant leg duct from the dishwasher to the ceiling and mechanical provides and connects the duct from the ceiling to the roof to the exhaust fan. However, we have also provided everything from the dishwasher to the roof including the fan & curb.
A10. See exhaust fan, hood and ductwork indicated on M sheets.

Q11. On the 3-compt. sink #10, for options it only shows for faucets a quantity of 2 but no specs. Also it shows a "Y" for overshelves but doesn't indicate the quantity, length & depth of the overshelves.
A11. Supplemental Product Data Sheets for the faucets are included in this Addendum. Regarding the overshelves; at Sink #10 provide PS-18-108 as indicated on Product Data Sheet #29.

Q12. On combi ovens #16, there is nothing highlighted regarding the water filtration system. This is a requirement for warranty purposes. These ovens are very specialized and usually has the certified installation as part of the options.
A12. Water supply line added in this Addendum.

Q13. Mixer #20, the bowl truck is a highly recommended accessory to be able to move the mixing bowl from the mixer to the area where the staff will be finishing the food prep before cooking.
A13. Revised in this Addendum.

Q14.Ice machine #22, a water filter should be included as an accessory (highly recommended).
A14. Revised in this Addendum.

Q15.Wire shelving #9 & 25, these are normally 4 tier. Please verify.
A15. 4) tier is correct.

Q16. The drawing & spec sheets don't match for the last two items, pot rack & wall shelf. Drawing has them as item #'s 30 & 31. Specs have them as 29 & 30.
A16. Revised in this Addendum.

Q17. In the Summary section of the written specs it mentions "owner furnished" equipment. I couldn't find any indication of what those items may be.
A17. No Owner furnished items are listed.

Q18. Regarding alternates, does this have to be approved prior to the bid or afterwards?
A18. Alternates will be selected after the bids are opened.

Q19. On the walk-in cooler/freezer the written specs call for 6" panels. Every school kitchen I have ever done utilizes 4" panels. 6" panels are normally used for very large boxes such as refrigerated warehouse facilities or large boxes you have in big supermarkets. Please clarify as to correct panel thickness.
A19. Revised to 4" in this Addendum.

Q20. Will a delegated design be required for the glazing as indicated in spec section 088000.1.3.D?
A20. No. Revised by Addendum.

Q21. Will a delegated design be required for spec section 089119.1.2.D?
A21. No. Revised by Addendum.

Q22. Will a delegated design be required for in spec section 095113.1.3.C?
A22. No. Revised by Addendum.

Q23. Will a delegated design be required for spec section 107300.1.3.D?
A23. Yes.

Q24. Will a delegated design be required for spec section 133419.1.3.D?
A24. Yes.

Q25. Will the bid date be extended to the following week as questioned in Q&A #24 in addenda #2?
A25. The bid date has been extended to November 2, 2022.

Q26. There are no lights shown on the stage; however, there are switches shown. Please clarify – Page E1.06R & E1.07R.
A26. Supplemental information is provided in this Addendum.

Q27. General Note #1 Access Control by others. Provide conduit and boxes with pull strings to above accessible ceilings. Access control locations are not shown. Please clarify.
A27. Supplemental information is provided in this Addendum.

Q28. General Note #2 CCTV by others. Provide conduit, boxes, and cat 6 cables. CCTV locations are not shown. Please clarify.
A28. CCTV work is not part of this contract. Clarification provided in this Addendum.

Q29. Do the VAV's require a disconnect? If so, does the EC or MC provide them?
A29. Yes, disconnects are required for VAVs. GC shall coordinate responsibility between EC or MC or other.

Q30. Can we move Panel SB to wall on Virginia Street?
A30. Possibly. There are currently no known reasons that this could not 'move'.

Q31. On sheet C1.19 there are references to signs R1-1, W11-2, W16-7PL and W16-7PR but these cannot be found on C1.03. Please clarify if these are needed.
A31. Supplemental information provided in this Addendum.

Q32. Carrier controls has been requested to being an approved substitution request for the BAS system. Is this acceptable?
A32. No.

Q33. The light poles denoted on SE1.01 are not shown on the civil drawings nor listed in the light fixture schedule. Please provide specs for poles, fixtures as well as concrete bases.
A33. Supplemental information provided in this Addendum.

Q34. SE1.01 indicates flagpole lights but none are shown for the flagpole nor conduit routing to its location. If lights are required, please provide spec for lights.
A34. Supplemental information provided in this Addendum.

Q35. A generator pad design cannot be found in the MEP drawings nor civil drawings. Please provide.
A35. Supplemental information provided in this Addendum.

Q36. There are no gym or cafeteria sound systems listed. Are these sound systems part of this project?
A36. No. This work will be by others.

Q37. Looking over the intercom system. There are no speakers in the gym. Are intercom paging speakers needed in the gym?
A37. No. This work will be by others.

Q38. 283111 fire alarm specs 3.3 C list Building Reports. Is building reports required on this project?
A38. Yes.

Q39. Do the existing spaces in the lower level of the PEMB need to be sprinklered?
A39. Yes, the entire facility needs to be sprinklered. Clarification provided in this Addendum.

Q40. Would it be possible to have the following manufacturers added to the acceptable bidders for this project? RTUs AAON, Large RTU's AAON, Ductless Splits Lennox & LC, Unit Heaters Raywall?
A40. All these vendors are acceptable.

Q41.What are duct specifications and insulation requirements for exposed ducts (Media, Gym, Multi-purpose, Stage)?
A41. Single wall spiral duct, painted, unless noted as duct sox on the plan.

Q42. Will all exposed ducts be painted?
A42. Yes.

Q43. What is the duct specification and insulation requirements for exterior ducts?
A43. See Detail "EXTERIOR DUCT SUPPORT DETAIL sheet M5.03.

Q44. What size is duct and how does it terminate from EF-22?
A44. Add plan note T to exhaust fan EF-22 "6" x6" exhaust duct up and out to brick vent."

Q45. How do the supply and return ducts connect to RTU-6?
A45. See sketch SK-M1

Q46. What are the specifications and manufacturer requirements for fabric duct?
A46. See note K on sheet M1.01. FabricAir is Basis-of-Design or approved equivalent.

Q47: Foundation plan for Kitchen on S103; There are some substantial footings 7'-8" wide x and unknown amount in depth with no rebar configuration in the structural foundation schedules. There is also what appears to be another footing that runs along the common wall to the Multi-Purpose room but I couldn't help my concrete sub or rebar vendor out on what this could be.
A47: See Detail 10/S500 and associated Retaining Wall Schedule for reinforcing and dimensions. Do not scale drawings.

E. CLARIFICATIONS

1. Control system front end shall be Tridium based. Owner shall receive 1 seat of programming software at time of substantial completion. As built drawings shall indicate location and Address of all controllers.

Sincerely,

THE THRASHER GROUP, INC.

Kenton Blackwood
Senior Project Designer / Project Manager

SECTION 096816 - SHEET CARPETING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Tufted carpet.

1.2 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project site.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product.

B. Shop Drawings: For carpet installation, showing the following:

1. Columns, doorways, enclosing walls or partitions, built-in cabinets, and locations where cutouts are required in carpet.
2. Carpet type, color, and dye lot.
3. Locations where dye lot changes occur.
4. Seam locations, types, and methods.
5. Type of subfloor.
6. Type of installation.
7. Pattern type, repeat size, location, direction, and starting point.
8. Pile direction.
9. Types, colors, and locations of insets and borders.
10. Types, colors, and locations of edge, transition, and other accessory strips.
11. Transition details to other flooring materials.
12. Type of carpet cushion.

C. Samples: For each exposed product and for each color and texture required.

1.4 INFORMATIONAL SUBMITTALS

A. Product test reports.

B. Sample warranties.

1.5 CLOSEOUT SUBMITTALS

A. Maintenance data.

1.6 QUALITY ASSURANCE

A. Installer Qualifications: Certified by the International Certified Floorcovering Installers Association at the Commercial II certification level.

1.7 WARRANTY

A. Special Warranty for Carpet: Manufacturer agrees to repair or replace components of carpet installation that fail in materials or workmanship within specified warranty period.

1. Warranty Period: 5 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 TUFTED CARPET (CPT)

A. Basis-of-Design Product: Subject to compliance with the requirements, provide Tarkett Commercial Carpet; Mentor with Powerbond hybrid resilient sheet and closed-cell cushion and moisture barrier, Dynex SD premium stain resistance, and EcoEnsure soil protection, or Architect approved equivalent.

B. Color and Pattern: As selected by Architect from manufacturer's full range.

C. Fiber Content: Stain resistant solution-dyed nylon, Standard ISO 2424.

D. Format Type: Roll.

E. Installation Method: Glue-down.

F. Surface Treatment: Flourine-free soil protection.

G. Dye Method: Solution dyed.

H. Construction Process: Tufted.

I. Total Thickness: 0.325”.

J. Pile Height: 0.1570”.

K. Gauge: 5/64”.

L. Pile Construction: Patterned loop pile.

M. Stitches/Rows per inch: 10/inch.

N. Secondary Backing: Manufacturer's powerbond cushion.

O. Roll Width: 6 feet.

2.2 INSTALLATION ACCESSORIES

A. Trowelable Leveling and Patching Compounds: Latex-modified, hydraulic-cement-based formulation provided or recommended by carpet manufacturer.

B. Adhesives: Water-resistant, mildew-resistant, nonstaining type to suit products and subfloor conditions indicated, that complies with flammability requirements for installed carpet and is recommended or provided by carpet manufacturer.

C. Tackless Carpet Stripping: Water-resistant plywood, in strips as required to match cushion thickness and that comply with the Carpet and Rug Institute's CRI 104.

D. Seam Adhesive: Hot-melt adhesive tape or similar product recommended by carpet manufacturer for sealing and taping seams and butting cut edges at backing to form secure seams and to prevent pile loss at seams.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Concrete Slabs:

1. Moisture Testing: Perform tests so that each test area does not exceed 200 sq. ft., and perform no fewer than three tests in each installation area and with test areas evenly spaced in installation areas.

a. Anhydrous Calcium Chloride Test: ASTM F1869. Proceed with installation only after substrates have maximum moisture-vapor-emission rate of 3 lb of water/1000 sq. ft. in 24 hours.
b. Relative Humidity Test: Using in situ probes, ASTM F2170. Proceed with installation only after substrates have a maximum 75 percent relative humidity level measurement.
c. Perform additional moisture tests recommended in writing by adhesive and carpet manufacturers. Proceed with installation only after substrates pass testing.

3.2 PREPARATION

A. General: Comply with the Carpet and Rug Institute's CRI 104 and with carpet manufacturer's written installation instructions for preparing substrates.

B. Use trowelable leveling and patching compounds, according to manufacturer's written instructions, to fill cracks, holes, depressions, and protrusions in substrates. Fill or level cracks, holes and depressions 1/8 inch wide or wider, and protrusions more than 1/32 inch, unless more stringent requirements are required by manufacturer's written instructions.

C. Concrete Substrates: Remove coatings, including curing compounds, and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, without using solvents. Use mechanical methods recommended in writing by adhesive and carpet manufacturers.

D. Broom and vacuum clean substrates to be covered immediately before installing carpet.

3.3 INSTALLATION

A. Comply with the Carpet and Rug Institute's CRI 104 and carpet manufacturer's written installation instructions for the following as applicable:

1. Direct-glue-down installation.
2. Double-glue-down installation.
3. Carpet with attached-cushion installation.
4. Preapplied adhesive installation.
5. Hook-and-loop installation.
6. Stretch-in installation.
7. Stair installation.

B. Comply with carpet manufacturer's written instructions and Shop Drawings for seam locations and direction of carpet; maintain uniformity of carpet direction and lay of pile. At doorways, center seams under the door in closed position.

1. Stretch-in Carpet Installation: Install carpet cushion seams at 90-degree angle with carpet seams.

C. Install pattern parallel to walls and borders.

D. Install borders with mitered corner seams.

E. Do not bridge building expansion joints with carpet.

F. Provide rubber or vinyl transition strips between flooring of different heights.

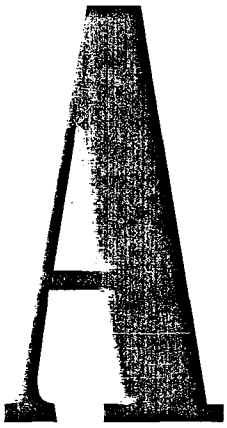
G. Cut and fit carpet to butt tightly to vertical surfaces, permanent fixtures, and built-in furniture including cabinets, pipes, outlets, edgings, thresholds, and nosings. Bind or seal cut edges as recommended by carpet manufacturer.

H. Extend carpet into toe spaces, door reveals, closets, open-bottomed obstructions, removable flanges, alcoves, and similar openings.

I. Maintain reference markers, holes, and openings that are in place or marked for future cutting by repeating on carpet as marked on subfloor. Use nonpermanent, nonstaining marking device.

J. Protect carpet against damage from construction operations and placement of equipment and fixtures during the remainder of construction period. Use protection methods recommended in writing by carpet manufacturer.

END OF SECTION 096816



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Geotechnical, Environmental and Testing Engineers

REPORT OF
FORENSIC STUDY OF FLOOR SLAB SETTLEMENT
EXISTING GYMNASIUM
NEW ALDERSON ELEMENTARY SCHOOL
EAST CHESTNUT AVENUE AND VIRGINIA STREET
ALDERSON, WEST VIRGINIA

Prepared For

GREENBRIER COUNTY BOARD OF EDUCATION

LEWISBURG, WEST VIRGINIA

FEBRUARY - 2022

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February 22, 2022

Greenbrier County Board of Education
% The Thrasher Group, Inc.
600 White Oaks Boulevard
Bridgeport, WV 26330

ATTN: Mr. Kenton Blackwood, AIA

Re: Forensic Study of Floor Slab Settlement
Existing Gymnasium - New Alderson Elementary School
E. Chestnut Avenue and Virginia Street
Alderson, West Virginia

Dear Mr. Blackwood:

This report presents the results of our forensic study for the concrete floor slab settlement in the gymnasium building of the former Alderson Community Center located at 317 E. Chestnut Avenue in Alderson, West Virginia.

The purpose of the study was to review various published soils and geological information sources and perform the necessary coring and sampling of the subgrade soil. We also were to provide our opinion for the probable cause or causes of the settlement of the floor slab and settlement cracks on the concrete slab.

BACKGROUND INFORMATION & OBSERVATIONS

The gymnasium building at the new Alderson Elementary School was formerly known as the Alderson Community Center. This building was built in 1979 when the site was used for the high school. The building is a pre-engineered metal building (PEMB) gymnasium with a partial basement on the downhill southern end and is supported by conventional footings that step down to follow the sloping ground. Roughly, three-fourths of the ground level gymnasium floor is constructed as a concrete slab-on-grade, with the portion over the lower level classroom section being concrete slab on deck. The uphill side interior basement wall was constructed as a 9± ft. tall cast-in-place retaining wall and marks the transition from slab-on-grade to slab-on-deck sections. The gymnasium floor slab was not constructed independently of the foundation walls, as the concrete slab was monolithically poured out to the outside dimensions of the exterior foundation walls and the edges of the floor slab rest on top of the exterior walls. Likewise, the steel columns of the PEMB also rest on the concrete floor slab and are connected with anchor bolts. It is unknown if foundation columns or pilasters are present below the steel column locations. The floor elevation of the building is 1567± feet with pitched metal roof construction and roof drains

outside the building. We understand that the building dimensions are 116 ft by 80 ft with a total footprint of 9,280 square-feet.

The lower third of the floor slab has experienced settlement and cracking within the slab-on-grade section, presently spanning a distance of at least 27 feet from the basement retaining wall. The visible sag across the top of the concrete floor slab was measured up to 2¼ inches in the area of B-10. School board maintenance personnel had previously drilled a series of holes through the slab within the settled area and measured void space below the concrete slab of up to 9¼ inches. The cast-in-place concrete foundation walls have not experienced significant settlement since the initial construction. However, long horizontal cracks are present at the joint between the concrete slab and exterior foundation walls caused by lifting of the slab edge in response to settlement at the center of the gym floor.

The slab subgrade was prepared by filling up to 9 feet inside the cast-in-place concrete foundation walls. No compaction data or any soil information for the floor slab support or bearing soil is available for the building at this time. No topographic map or geotechnical reports were available for this building at the time of this report's preparation. We were informed that an abandoned storm line is present; running diagonally below the gymnasium within the area of settlement. This could not be confirmed. The concrete slab had been cut out at a few locations and revealed the presence of two (2) unknown PVC pipes running below the floor slab. No obvious leaks were noted from the pipes.

SOIL CONDITIONS

Three (3) shallow soil borings were made by coring through the slab to evaluate the sub-soils at this site on February 15, 2022. Two (2) SPT test borings were drilled outside the building using a track-mounted drill rig on February 1, 2022. All slab cores (B-8 to B-10) encountered voids under the slab measuring 2 to 7.25 inches. The existing fill soil under the slab was described as low to moderate plasticity silty clay with rock fragments and sand. The fill soils in the test borings outside of the building (B-4 and B-7) consisted of silty and sandy clays with trace amounts of organics. The fill soils were is a soft to stiff condition, indicating improper or very little compaction. The fill soils have normal moisture content ranging from 11.5% to 23.1%. Pocket penetrometer readings on fill samples produced strengths of 1.0 to 4.5 tons-per-square-foot (tsf). Borings B-8 to B-10 were extended to completion depths of 5.2 to 7.2 feet below the existing slab surface and did not penetrate the existing fill layer. No free water or wet soil was encountered inside or outside the building. The test borings outside encountered moist to very moist natural soils at bearing elevation, with moisture contents ranging from 16.6% to 34.7%. B-4 and B-7 were extended to auger refusal conditions on weathered sandstone bedrock at depths of 10.5 and 11.0 feet. There is no footing drain on this building and excess water away via sheet flow. The outside borings encountered moist and damp soil at bearing elevation.

PUBLISHED SOIL INFORMATION AND MINE STUDY

We conducted a review of published soils, geological, and mining information sources to identify any such activities at the site. The USDA Soil Survey of Greenbrier County was used to

determine the dominant soil type at the site. The soil survey identified the site soils as Monongahela silt loams, 2 to 8 percent slope (MgB). This soil unit is identified as having low to moderate shrink-swell potential, slow to moderate permeability, seasonal high water table and common seeps. The soils report did not identify any areas of Karst topography, mine spoils or other fills on or adjacent to the site.

The Geologic Map of West Virginia reveals that the area is underlain by bedrock materials of the Bluefield Formation. The Bluefield Formation consists of red and green shale, sandstone, and minor limestone. The bedrock in this group can by inclined with an overall dip to the southwest. Based on our review of the geologic information, subsidence common to areas of Karst topography can be ruled out at this site.

Coal mining research was conducted using the online resources provided by the West Virginia Geological and Economic Survey (WVGES) and WV Department of Environmental Protection (WVDEP). The Bluefield Formation does not contain any economically viable coal seams. Mine mapping for the area did not indicate that the project site was underlain by old mine workings. To the best of our knowledge, there is no concern to the site related to surface or deep mining activities.

DISCUSSION AND RECOMMENDATIONS

The magnitude and geometry of the gradual settlement under the slab suggests initial normal consolidation of uncompacted fill soil followed by loss or migration of subgrade soil under the slab by action of water. The infiltration or flowing of rain/storm water from outside sources appears to be finding its way into the existing building and slowly washes the soil downgradient. We are making this evaluation based on the dampness of the soil under the slab.

The amount of settlement under the slab is 6 to 10 inches, which is above and beyond normal consolidation of the uncompacted fill. The normal consolidation related settlement occurs within the initial 10 to 15 years after construction and is expected to be on the order of 6 inches. The reported continuing settlement and slab depression from encountered voids under the slab indicates there is a continuing process driven by the action of water under the slab. It is also our opinion that the compromised roof drain system or lack of a foundation drain could be sources of the water problem. The soil under the slab was found to be as damp as the outside soil. Our crew also observed two (2) 4-inch diameter white pipes laying on the subgrade soil under the slab.

The maximum settlement was observed toward the southeast end of the slab as compared to the southwest end of the slab. This is also consistent with the lay of the land that the southeastern corner is lower and any infiltrating water would flow toward the southeastern end of the gym and over the foundation.

There is no permanent fix until we know the source mechanism of the infiltrating water under the slab. The best option is to manage, maintain, and prolong the use of the facility by removing the existing slab and replacing with a new concrete slab. We recommend providing foundation drains at the interior footing level and providing an appropriate outlet through the retaining wall.

We also recommend chasing the source of the water or infiltration once the slab is removed and any water is piped in a controlled manner.

We concur with the structural engineer that removing a pie-shaped wedge laid back to 2H:1V along the inside of the retaining walls, providing foundation drains, and replacing the soil with Geofoam is a suitable method of supporting the replaced concrete slab.

This report does not address any structural integrity concerns with the existing foundation/retaining wall system or structural integrity of the steel frame building itself. It is recommended that the structural integrity of the metal frame be evaluated by a structural engineer prior to making any major repairs, retrofit, or slab corrections.

We could not confirm the presence of an abandoned storm pipe below the gymnasium as reported by school maintenance personnel. If the storm pipe is present, then the exact depth and location needs to be established on both sides of the gym by digging test pits. The abandoned storm line shall be video inspected for the entire length under the gym for functionality, joint separations, sag, and any water movement. The video shall be done during a rain event or shortly thereafter.

We appreciate the opportunity of providing these services to you. Please contact our office at 304-340-4277 if we can elaborate on any of the recommendations contained in this report, or provide additional information.

Thank you for your consideration.

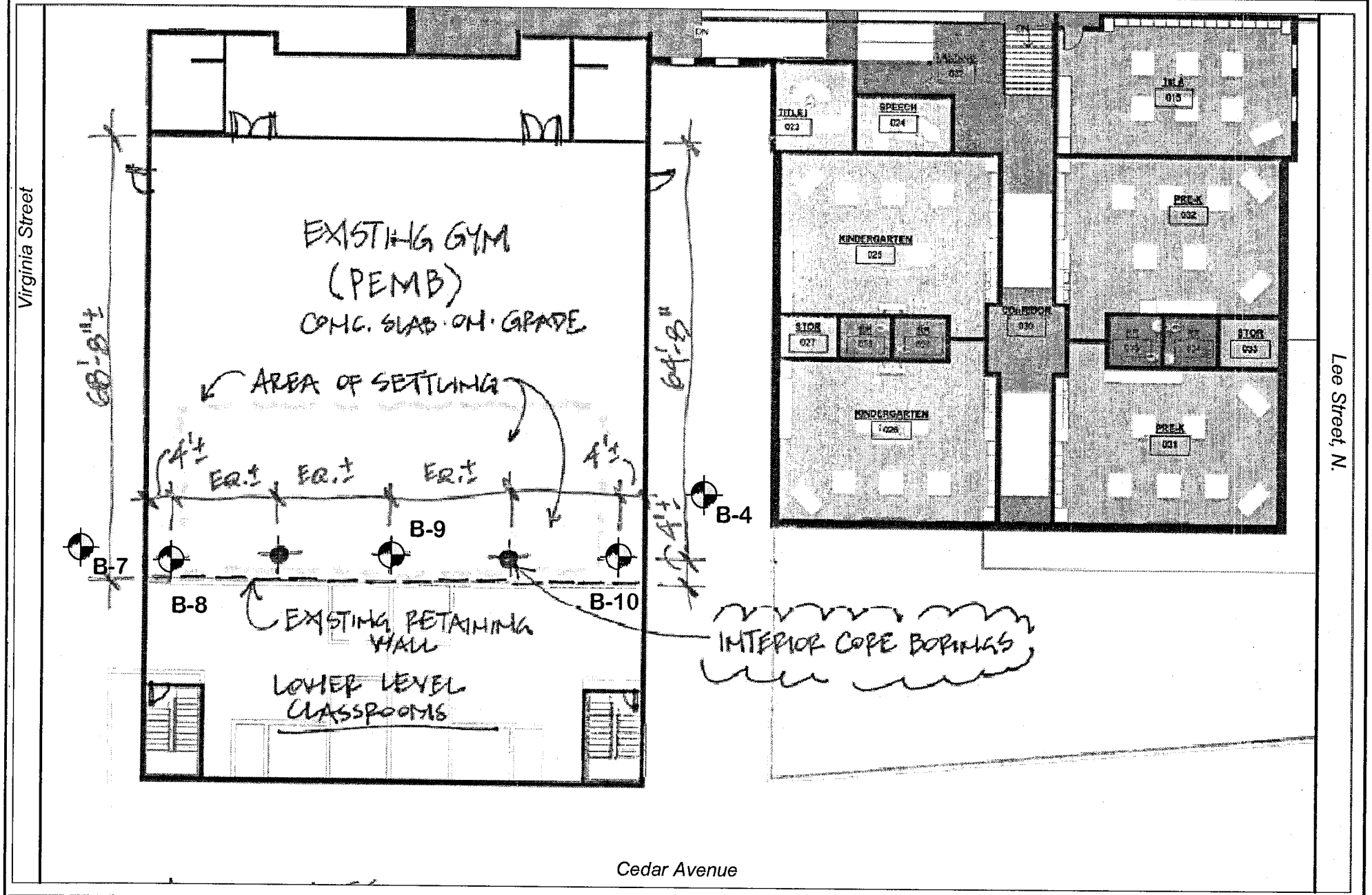
Respectfully Submitted,

AMERICAN GEOTECH, INC.

Kanti S. Patel, P.E.
Principal Engineer

TEST BORING LOCATION

American Geotech, Inc.
601 Ohio Avenue
Charleston, West Virginia 25302



TEST BORING LOCATION PLAN	AMERICAN GEOTECH, INC.	DATE 2-22-22	SCALE NONE
Alderson E.S. Slab Settlement E. Chestnut Avenue and Virginia Street Alderson, West Virginia	601 OHIO AVENUE CHARLESTON, WV 25302 (304) 340-4277	DRAWN BY TTG	CHECKED BY KSP
		ADAPTED BY RDJ	SHEET 2 OF 2

Soil Test Boring Logs and Laboratory Data

American Geotech, Inc.
601 Ohio Avenue
Charleston, West Virginia 25302

Terminology

Grain Size

Soil Fraction		Particle Size	U.S. STD. Sieve Size
Boulders		Larger than 12"	Larger than 12"
Cobbles		3" to 12"	3" to 12"
Gravel	Coarse	¾" to 3"	¾" to 3"
	Fine	4.75 mm to ¾"	#4 to ¾"
Sand	Coarse	2.00 to 4.75 mm	#10 to #4
	Medium	0.425 to 2.00 mm	#40 to #10
	Fine	0.075 to 0.475 mm	#200 to #40
Fines	Clays & Silts	smaller than 0.075 mm	smaller than #200

Plasticity characteristics differentiate between silts and clays

Relative Density

Term	"N" Value
very loose	0 - 4
loose	5 - 10
medium dense	11 - 30
dense	31 - 50
very dense	over 50

Consistency

Term	ID Procedures	"N" Value
Soft	Easily penetrated by thumb	0 - 4
Medium Stiff	Penetrated by thumb with moderate effort	5 - 8
Stiff	Penetrated by thumb with great effort	9 - 15
Very Stiff	Readily indented by thumbnail	16 - 30
Hard	Indented by thumbnail with difficulty	31 - 50
Very Hard		over 50

Relative Moisture Description

Dry	Soil noticeably below optimum moisture
Moist	near optimum, but less then liquid limit
Damp	near or exceeding liquid limit
Wet	soil below water table

Symbols

Drilling and Sampling

RC - Rock Coring: Sizes AW, BW, NW, NQ
RQD - Rock Quality Designator
DC - Drive Casing
HSA - Hollow Stem Auger
FA - Flight Auger
AG - Auger
HA - Hand Auger
SS - 2" diameter Split Barrel Sampler
ST - 3" diameter Thin-Walled Tube Sampler
AS - Auger Sample
WS - Wash Sample
NR - No Recovery
S- Sounding
ATV - All Terrain Vehicle

Laboratory Tests

PP - Pocket Penetrometer Reading, Tons/ft^2
QU - Unconfined Strength, Tons/ft^2
W - Moisture Content, %
LL - Liquid Limit, %
PL - Plastic Limit,%
D - Dry Unit Weight, lbs/ft^3

Standard Penetration Test

The penetration resistance, or N-value as it is commonly referred to, is the summation of the number of blows required to drive the last two successive 6" penetrations of the 2" diameter -18" long split barrel sampler. The sampler is driven with a 140 lb. weight falling 30". The standard penetration test is performed in compliance with procedures as set forth in ASTM D-1586

Water Level Measurement

NW - No water encountered
WD - While drilling
BCR - Before casing removal
ACR - After casing removal
CW - Caved and wet
CM - Caved and moist
BP - Backfilled upon completion

LOG OF TEST BORING

CLIENT Greenbrier County Board of Education **BORING NO.** B – 4

PROJECT Proposed New Alderson Elementary School – Alderson, WV **DATE START** 2/1/22

BORING LOCATION As shown on plan - Moved 30 ft SW **DATE COMP.** 2/1/22

ELEV. REF. None available **PO. NO.**

ELEV. FT.	DEPTH FT.	DESCRIPTION OF MATERIALS	SAMPLE NO.	TP	DEPTH	BLOWS/6"	REC.
	0.0						
		0.5' Topsoil.					
	0.5						
		Brown, yellowish-brown, dark					
		4.0' brown and gray silty clay, trace	1	ss	0.0' – 1.5'	6-7-4	13"
		sand and organics (FILL), moist,	2	ss	2.5' – 4.0'	3-3-2	8"
		stiff to medium stiff.					
	4.5						
		5.0' Brown and gray silty clay, moist,	3	ss	5.0' – 6.5'	6-7-6	18"
		stiff.	4	ss	7.5' – 9.0'	4-6-5	16"
	9.5						
		1.0' Brown clayey sand, very fine-	5	ss	10.0' – 10.8'	$10\text{-}^{50}/_{4}$"	10"
		grained, moist, loose.					
	10.5						
		0.5' Brown sandstone, medium hard.					
	11.0	Auger refusal @ 11.0 feet.					
		Boring completed.					

GENERAL NOTES
DRILLER J. Francis
RIG NO. CME-45
RIG TYPE Track
METHOD HSA/SS

AMERICAN GEOTECH, INC.
Geotechnical, Environmental & Testing Engineers
601 Ohio Avenue
Charleston, WV 25302
304-340-4277

WATER LEVEL OBSERVATIONS
IMMEDIATE NW FT.
AT COMPLETION NW FT.
AFTER BP HRS. NW FT.
WATER USED IN DRILLING NW FT.

LOG OF TEST BORING

CLIENT Greenbrier County Board of Education **BORING NO.** B – 7

PROJECT Proposed New Alderson Elementary School – Alderson, WV **DATE START** 2/1/22

BORING LOCATION As shown on plan **DATE COMP.** 2/1/22

ELEV. REF. None available **PO. NO.**

ELEV. FT.	DEPTH FT.	DESCRIPTION OF MATERIALS	SAMPLE NO.	TP	DEPTH	BLOWS/6"	REC.
	0.0						
		0.5' Topsoil.					
	0.5						
		Brown to dark brown sandy clay,					
		2.0' trace organics (FILL), moist, medium stiff.	1	ss	0.0' – 1.5'	4-4-3	16"
	2.5						
		Brown, orangish-brown, tan and	2	ss	2.5' – 4.0'	3-5-7	18"
		7.5' gray silty clay, trace fine sand,	3	ss	5.0' – 6.5'	3-9-10	15"
		moist, stiff to very stiff.	4	ss	7.5' – 9.0'	3-6-7	15"
	10.0						
		0.5' Brown sandstone, highly weathered, soft to medium hard.	5	ss	10.0' – 10.4'	$^{50}/_{4}$"	3"
	10.5	Auger refusal @ 10.5 feet. Boring completed.					

GENERAL NOTES
DRILLER J. Francis
RIG NO. CME-45
RIG TYPE Track
METHOD HSA/SS

AMERICAN GEOTECH, INC.
Geotechnical, Environmental & Testing Engineers
601 Ohio Avenue
Charleston, WV 25302
304-340-4277

WATER LEVEL OBSERVATIONS
IMMEDIATE NW FT.
AT COMPLETION NW FT.
AFTER BP HRS. NW FT.
WATER USED IN DRILLING NW FT.

LOG OF TEST BORING

CLIENT Greenbrier County Board of Education **BORING NO.** B – 8

PROJECT Alderson E.S. Gynmasium Floor Settlement – Alderson, WV **DATE START** 2/15/22

BORING LOCATION As shown on plan **DATE COMP.** 2/15/22

ELEV. REF. None available **ORDER NO.**

ELEV. FT.	DEPTH FT.	DESCRIPTION OF MATERIALS	SAMPLE				
			NO.	TP	DEPTH	BLOWS/6"	REC.
	0.0						
		0.3' Concrete(4").					
	0.3						
		0.3' VOID(3.25").					
	0.6						
		0.4' Stone(4.5").					
	1.0						
		Yellowish-brown, brown and	1	ss	1.0' - 2.5'	1-3-2	16"
		6.0' orangish-brown silty clay with	2	ss	2.5' - 4.0'	1-1-2	11"
		rock fragments and sand (FILL),	3	ss	4.0' - 5.5'	2-1-2	1"
		moist, soft to medium stiff.	4	ss	5.5' - 7.0'	1-2-1	12"
	7.0						
		Boring completed.					

GENERAL NOTES
DRILLER J. Francis
RIG NO. -
RIG TYPE Hand
METHOD HA/SS

AMERICAN GEOTECH, INC.
Geotechnical, Environmental & Testing Engineers
601 Ohio Avenue
Charleston, WV 25302
(304) 340-4277

WATER LEVEL OBSERVATIONS
IMMEDIATE NW FT.
AT COMPLETION NW FT.
AFTER BP HRS. NW FT.
WATER USED IN DRILLING No FT.

LOG OF TEST BORING

CLIENT Greenbrier County Board of Education **BORING NO.** B – 9

PROJECT Alderson E.S. Gynmasium Floor Settlement – Alderson, WV **DATE START** 2/15/22

BORING LOCATION As shown on plan **DATE COMP.** 2/15/22

ELEV. REF. None available **ORDER NO.**

ELEV. FT.	DEPTH FT.	DESCRIPTION OF MATERIALS	SAMPLE				
			NO.	TP	DEPTH	BLOWS/6"	REC.
	0.0						
		0.4' Concrete(4.5").					
	0.4						
		0.2' VOID(2").					
	0.5						
		0.2' Stone(2").					
	0.7						
		Yellowish-brown, reddish-brown					
		3.0' and grayish-brown silty clay with	1	ss	0.7' - 2.2'	1-2-1	15"
		rock fragments and sand (FILL),	2	ss	2.2' - 3.7'	2-3-6	3"
		moist, soft to stiff.					
	3.7						
		Brown silty clay, trace sand and					
		1.5' rock fragments, moist, medium	3	ss	3.7' - 5.2'	3-4-3	12"
		stiff.					
	5.2						
		Boring completed.					

GENERAL NOTES
DRILLER J. Francis
RIG NO. -
RIG TYPE Hand
METHOD HA/SS

AMERICAN GEOTECH, INC.
Geotechnical, Environmental & Testing Engineers
601 Ohio Avenue
Charleston, WV 25302
(304) 340-4277

WATER LEVEL OBSERVATIONS
IMMEDIATE NW FT.
AT COMPLETION NW FT.
AFTER BP HRS. NW FT.
WATER USED IN DRILLING No FT.

LOG OF TEST BORING

CLIENT Greenbrier County Board of Education **BORING NO.** B – 10

PROJECT Alderson E.S. Gynmasium Floor Settlement – Alderson, WV **DATE START** 2/15/22

BORING LOCATION As shown on plan **DATE COMP.** 2/15/22

ELEV. REF. None available **ORDER NO.**

ELEV. FT.	DEPTH FT.	DESCRIPTION OF MATERIALS	SAMPLE NO.	TP	DEPTH	BLOWS/6"	REC.
	0.0						
		0.4' Concrete(5").					
	0.4						
		0.6' VOID.					
	1.0						
		0.2' Stone(2.5").					
	1.2						
		Yellowish-brown and brown silty	1	ss	1.2' - 2.7'	1-4-2	17"
		6.0' clay with rock fragments and sand	2	ss	2.7' - 4.2'	2-4-3	1"
		(FILL), moist, soft to medium stiff.	3	ss	4.2' - 5.7'	2-2-3	12"
			4	ss	5.7' - 7.2'	2-2-1	11"
	7.2						
		Boring completed.					

GENERAL NOTES
DRILLER J. Francis
RIG NO. -
RIG TYPE Hand
METHOD HA/SS

AMERICAN GEOTECH, INC.
Geotechnical, Environmental & Testing Engineers
601 Ohio Avenue
Charleston, WV 25302
(304) 340-4277

WATER LEVEL OBSERVATIONS
IMMEDIATE NW FT.
AT COMPLETION NW FT.
AFTER BP HRS. NW FT.
WATER USED IN DRILLING No FT.

AMERICAN GEOTECH, INC.
601 Ohio Avenue
Charleston, West Virginia 25302

Greenbrier Co. Board of Education
Alderson E.S. Gymnasium Settlement
Alderson, West Virginia

TABULATION OF TEST DATA

Hole No.	Sample No.	Depth (ft.)	Unconfined Compressive Strength (tsf)	Failure Strain (%)	Dry Density (pcf)	Water Content (%)	Pocket Penetrometer (tsf)
B-4	S-1	0.0 - 1.5	1.32	10.75	112.6	18.0	
	S-2	2.5 - 4.0				23.1	
	S-3	5.0 - 6.5				28.0	3.5
	S-4	7.5 - 9.0				32.2	2.5
B-7	S-1	0.0 - 1.5				15.9	2.5
	S-2	2.5 - 4.0				16.6	4.0
	S-3	5.0 - 6.5				19.6	4.5
	S-4	7.5 - 9.0				34.7	2.5
B-8	S-1	1.0 - 2.5				14.0	4.5
	S-2	2.5 - 4.0				14.5	2.0

AMERICAN GEOTECH, INC.
601 Ohio Avenue
Charleston, West Virginia 25302

Greenbrier Co. Board of Education
Alderson E.S. Gymnasium Settlement
Alderson, West Virginia

TABULATION OF TEST DATA

Hole No.	Sample No.	Depth (ft.)	Unconfined Compressive Strength (tsf)	Failure Strain (%)	Dry Density (pcf)	Water Content (%)	Pocket Penetrometer (tsf)
	S-3	4.0 - 5.5				16.7	
	S-4	5.5 - 7.0				19.8	1.5
B-9	S-1	0.7 - 2.2				20.6	2.0
	S-2	2.2 - 3.7				11.5	2.0
	S-3	3.7 - 5.2				18.4	1.75
B-10	S-1	1.2 - 2.7				13.5	3.5
	S-2	2.7 - 4.2				16.4	
	S-3	4.2 - 5.7				17.8	1.75
	S-4	5.7 - 7.2				20.4	1.0

ADVANCE TABCO
SMART FABRICATION™

K-11
PRERINSE DECK M

Conforms To NSF 61/9 Lead Free Requirements

ALDERSON-
114000 FOODSERVICE EQUIPMENT
PRODUCT DATA SHEETS

ADDENDUM NO. 3
LOCATED @ SOIL TABLE
(KE #6.A)

Item #: _____ Qty #: _____

Model #: _____

Project #: _____

Faucet(s) on this page may expose you to chemicals, including lead, that are known to the State of California to cause cancer or birth defects or other reproductive harm. For more Info., visit www.p65warnings.ca.gov.

FEATURES:

Single hole deck mount mixing faucet.

18" flexible stainless steel hose with heat resistant handle.

1.42 GPM spray valve.

Spray valve holder and overhead spring.

Quarter-turn lever handles w/ color coded indexes.

MATERIAL:

Polished chrome plated brass body, riser & spray valve body.

Stainless steel hose and chrome plated metal handles.

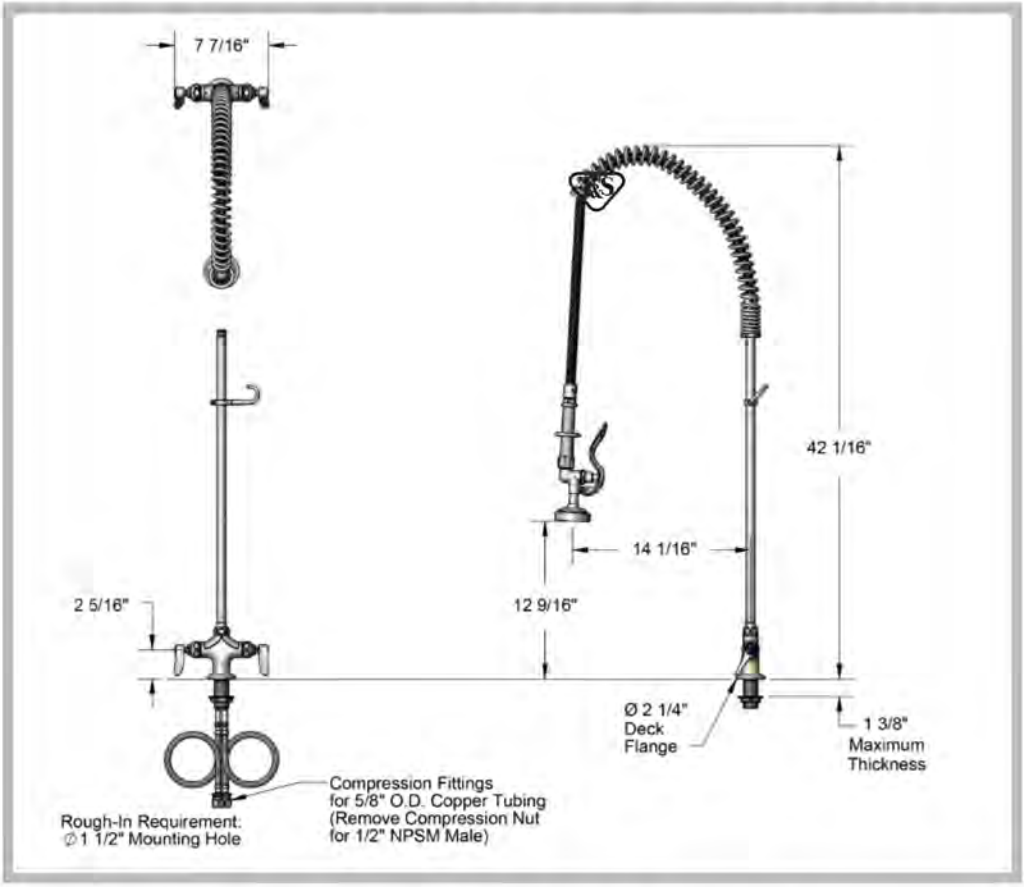
K-115 Replacement Parts & Options

Replacement Hose
Handle Not Included
K-113

12" Add-A-Faucet For Prerinse Faucets
K-117-TS

Replacement Spray Head & Handle
K-114

DIMENSIONS and SPECIFICATIONS



Click This Link To View Assembly Sheet

ADVANCE TABCO
SMART FABRICATION™
www.advancetabco.com

Customer Service Available To Assist You 1-800-645-3166 8:30 am - 7:00 pm E.S.T.

For Orders & Customer Service:
Email: customer@advancetabco.com or **Fax:** 631-242-6900

For Smart Fabrication™ Quotes:
Email: smartfab@advancetabco.com or **Fax:** 631-586-2933

PROJECT:

ALDERSON-
114000 FOODSERVICE EQUIPMENT
PRODUCT DATA SHEETS
ADDENDUM NO. 3

SS SERIES FOOD WASTE

Food waste disposers are a hygienic and environmentally sustainable way to manage pre- and post-consumer scraps in a foodservice establishment. The SS Series disposers are ideal for heavy-duty applications such as restaurants, schools and universities, healthcare facilities and hospitals, and government facilities.

1 YEAR ON-SITE PARTS & LABOR WARRANTY

PRODUCT FEATURES & SPECIFICATIONS

SS-SERIES

- Whether you serve 25 or 2,500 people, there is an InSinkErator disposer that's designed for your operation. From the small-capacity SS-100™ model to our large-capacity SS-1000™ workhorse, InSinkErator disposers deliver superior performance, quiet operation, maximum energy efficiency, and reliable service.

SYSTEM OVERVIEW

- Stainless steel and chrome-plated finish
- Corrosion-resistant, stainless steel grind chamber
- Heavy-duty induction motor with built-in thermal overload protection
- Enclosure provides protection against outside moisture with controlled power air flow to cool motor
- Cast-nickel, chrome-alloy stationary and rotating shredding elements
- Double-tapered Timken roller bearings provide a shock-absorbing cushion
- Triple lip seal protects motor from water damage
- Secondary spring-loaded oil seal provides double protection against water and loss of grease

CLEANING

- Disposers are easy to clean and maintain
- Wipe down exterior surfaces with a wet cloth
- Use warm soapy water on the splashguard

Commercial Disposer Sizing Chart

To determine the proper size disposer, use this recommended sizing chart. Sizing recommendations are given in general terms; actual capacities vary depending on the volume and type of food waste.

Volume Processed / Application	Light Majority Fruits & Vegetables	Medium 50/50 Mixture	Heavy Majority Meats & Seafood
High Buffet/Cafeteria Government	SS-300	SS-300/ SS-500	SS-500	SS-500/ SS-1000	SS-500/ SS-1000
Medium Full Service Restaurant	SS-200	SS-300	SS-300/ SS-500	SS-500	SS-500/ SS-1000
Low Limited Service Restaurant/Café/ Fast Casual	SS-100	SS-200	SS-300	SS-300/ SS-500	SS-1000
	SS-100	SS-100	SS-200	SS-300	SS-300/ SS-500

Food Waste Composition

A complete collection of our product drawings is available for download at the **InSinkErator Revit/CAD** Library, which can be found at www.insinkerator.com/foodservice. Product information is also accessible on ***The KCL CADalog***. More information is available from KCL at www.kclcad.com.

4700 21st STREET
RACINE, WI 53406
TEL: 800-845-8345
FAX: 262 554-3620
www.insinkerator.com/foodservice

WHAT'S INCLUDED

- Base disposer: 1 mounting gasket
- Disposer packages: 1 mounting/bowl assembly, 1 electrical control, 1 syphon breaker, 1 solenoid valve, and 1 flow control valve (the standard flow control valve will be sent with the unit unless the optional valve is specified)

MODEL & HORSEPOWER/ELECTRICAL REQUIREMENTS (CHOOSE ONE)

Small Capacity Disposers

☐ SS-100
1 HP

	☐ 115/208-230V, 60 Hz, 1 Ph, 11.6/5.1/5.7 amps, **cULus**	☐ 120/208-240V, 60 Hz, 1 Ph, 11.6/5.1/5.7 amps, **NOM**
	☐ 208-230/460V, 60 Hz, 3 Ph, 2.0/2.4/1.2 amps, **cULus**	☐ 100/200-230V, 50/60 Hz, 1 Ph, 10.4/5.2/5.4 amps
Water Usage:	☐ 5 GPM (18.9 LPM) standard water flow	☐ 3 GPM (11.4 LPM) reduced water flow (optional)

Medium Capacity Disposer

LOCATED @ SINK (KE #21.B)

☐ SS-200
2 HP

	☐ 115/208-230V, 60 Hz, 1 Ph, 17.4/7.7/8.7 amps, **cULus** ☐ 208-230/460V, 60 Hz, 3 Ph, 3.6/4.4/2.2 amps, **cULus** ☐ 115/208-230V, 60 Hz, 1 Ph, 17.4/7.7/8.7 amps, **cULus**, **short body**	☐ 208-230/460V, 60 Hz, 3 Ph, 3.6/4.4/2.2 amps, **cULus**, **short body** ☐ 208-240/460V, 60 Hz, 3 Ph, 3 Ph, 3.6/4.4/2.2 amps, **NOM**
Water Usage:	☐ 7 GPM (26.5 LPM) standard water flow	☐ 5 GPM (18.9 LPM) reduced water flow (optional)

Large Capacity Disposers

☐ SS-300
3 HP

	☐ 208-230/460V, 60 Hz, 3 Ph, 6.0/7.4/3.7 amps, **CUL** ☐ 208-230/460V, 60 Hz, 3 Ph, 6.0/7.4/3.7 amps, **CUL**, **short body** ☐ 208-230/460V, 60 Hz, 3 Ph, 7.0/8.6/3.7 amps, **NOM**	☐ 415V, 50 Hz, 3 Ph, 4.9 amps ☐ 220V, 50 Hz, 3 Ph, 7.2 amps ☐ 380V, 50/60 Hz, 3 Ph, 4.1/3.0 amps
Water Usage:	☐ 8 GPM (30.3 LPM) standard water flow	☐ 7 GPM (26.5 LPM) reduced water flow (optional)

LOCATED @ SOIL TABLE (KE #6.B)

☐ SS-500
5 HP

	☐ 208-230/460V, 60 Hz, 3 Ph, 8.6/8.8/4.4 amps, **CUL** ☐ 208-230/460V, 60 Hz, 3 Ph, 8.6/8.8/4.4 amps, **CUL**, **short body** ☐ 230/460V, 50 Hz, 3 Ph, 9.0/4.5 amps	☐ 415V, 50 Hz, 3 Ph, 6.0 amps ☐ 380V, 50 Hz, 3 Ph, 8.9 amps
Water Usage:	☐ 8 GPM (30.3 LPM) standard water flow	☐ 7 GPM (26.5 LPM) reduced water flow (optional)

☐ SS-1000
10 HP

	☐ 208-230/460V, 60 Hz, 3 Ph, 11.0/13.0/6.5 amps, **CUL** ☐ 208-230/460V, 60 Hz, 3 Ph, 11.0/13.0/6.5 amps, **CUL**, **short body**
Water Usage:	☐ 10 GPM (37.9 LPM) standard water flow

DISPOSER MOUNTING ASSEMBLIES (CHOOSE ONE)

Sink Collar Mounts

☐ #5 Sink Flange Kit
for 3-1/2"–4" (88.9 mm–101.6 mm) sink opening (support legs are recommended)

#5 adaptors only available on small and medium capacity disposers.

☐ #6 Collar Adaptor Kit
for welding into trough, for 6-5/8" (168.3 mm) opening, includes splash baffle

☐ #7 Collar Adaptor Kit
for welding into sink, for 6-5/8" (168.3 mm) opening, includes splash baffle and stopper

TYPICAL @ 21.B & 6.B.

Sink Bowl Mounts

Bowl Size	Kit Type
☐ 12" (304.8 mm) with one adjustable water nozzle ☐ 15" (381.0 mm) with one adjustable water nozzle ☐ 18" (457.2 mm) with two adjustable water nozzles	

☐ Type A Sink Bowl Assembly
- bowl
- water nozzle(s)
- bowl cover
- splash baffle

☐ Type B Sink Bowl Assembly
- bowl
- water nozzle(s)
- silver guard
- splash baffle

☐ Type C Sink Bowl Assembly
- bowl
- water nozzle(s)
- splash baffle

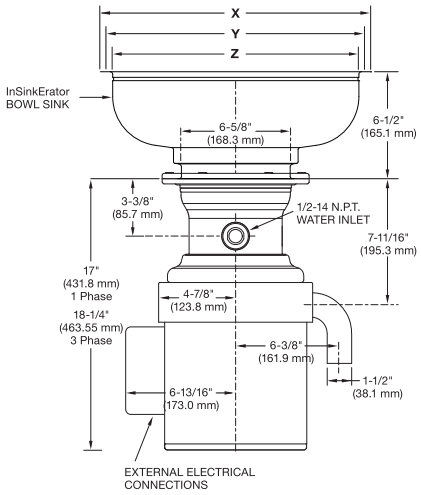
ELECTRICAL CONTROLS (CHOOSE ONE)

☐ AS-101 Control Center AquaSaver®	☐ CC-101 Control Center	☐ CC-202 Control Center	☐ Manual Reverse Switch	☐ Manual Switch
				
• Automatically changes direction • Stainless-steel housing • Automatic shut-off with power loss • Line disconnect • Programmable post-flush • Timed run • Automatically regulates water flow to grind load	• Automatically changes direction • Stainless-steel housing • Automatic shut-off with power loss • Line disconnect • Programmable post-flush • Timed run	• Automatically changes direction • Stainless-steel housing • Automatic shut-off with power loss	• Manually changes direction • Stainless-steel housing • Automatic shut-off with power loss	• Single direction • Polycarbonate housing • Automatic shut-off with power loss

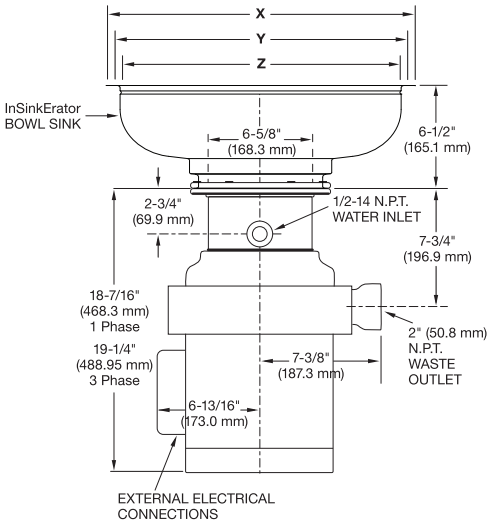
DISPOSER DIMENSIONS

Standard models shown. A short body model is available on medium and large capacity disposers. Short body models reduce overall height by 1" (25.4 mm) on medium capacity disposers and by 3" (76.2 mm) on large capacity disposers.

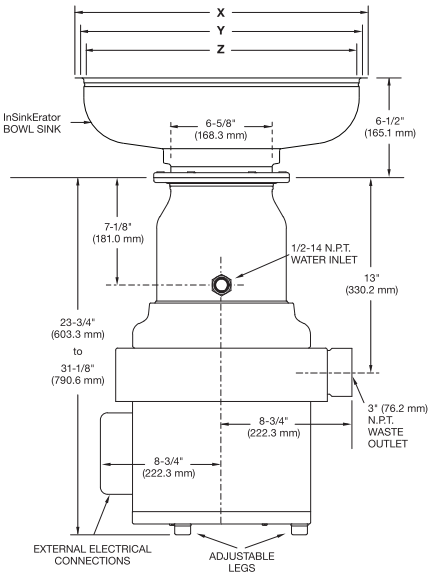
Small Capacity



Medium Capacity



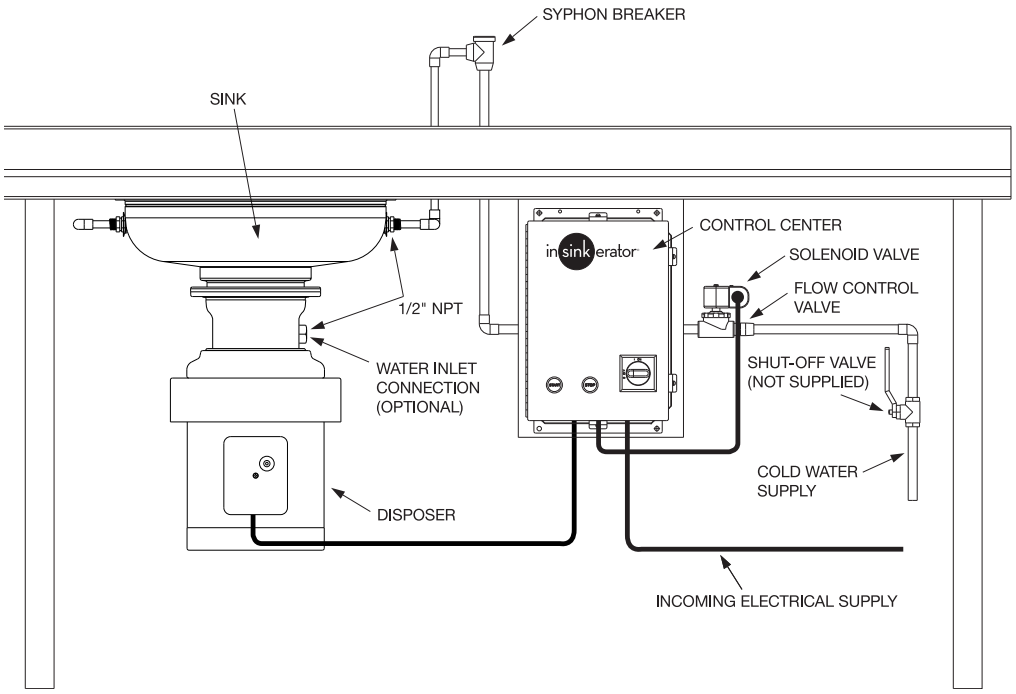
Large Capacity



If mounting directly to a sink, use dimension chart below for adaptor height in place of InSinkErator bowl sink height.
IMPORTANT: #5 adaptors only available on small and medium capacity disposers.

Bowl Mounts	Flange O.D. **X**	Work Table Hole **Y**	Flange I.D. **Z**	**Height**
12" (304.8 mm)	13-1/2" (342.9 mm)	12-1/4" (311.2 mm)	12" (304.8 mm)	6-1/2" (165.1 mm)
15" (381 mm)	16-1/2" (419.1 mm)	15-1/4" (387.4 mm)	15" (381.0 mm)	6-1/2" (165.1 mm)
18" (457.2 mm)	19-1/2" (495.3 mm)	18-1/4" (463.6 mm)	18" (457.2 mm)	6-1/2" (165.1 mm)
Collar Mounts	**X**	**Y**	**Z**	**Height**
#5	Fits Standard Sink Opening: 3-1/2" – 4" (88.9 mm – 101.6 mm)			2-3/4" (69.9 mm)
#6	7-13/16" (198.4 mm)	6-7/8" (174.6 mm)	6-5/8" (168.3 mm)	1-3/16" (30.2 mm)
#7	9-1/8" (231.8 mm)	7-7/8" (200.0 mm)	7-5/8" (193.7 mm)	2-1/16" (52.4 mm)

TYPICAL INSTALLATION - BOWL



REPLACING A COMPETITIVE DISPOSER

- Refer to the Mounting Adaptor Guide or Video for adaptors that fit competitor sink bowls or cones.
- Have sink bowl/cone type with appropriate dimensions available when contacting Customer Service with questions or to place an order.

SAMPLE SPECIFICATION

InSinkErator Food Waste Disposer. Food waste grinding system with _____ HP disposer, _____ control panel. _____ Volts, _____ Hz, _____ Phase operation. _____ disposer mount. Syphon breaker with 1/2" NPT connections; flow control valve; (1) 24V water solenoid.

PROJECT INFORMATION

Item Number: _____

Quantity: _____

Manufacturer: InSinkErator

Model Number: _____

Electrical Requirements:

_____volts _____phase

Project: _____

Address: _____

City/State/Zip: _____

Contact: _____

Phone: _____

Dealer: _____

City/State/Zip: _____

Contact: _____

Phone: _____

Installer: _____

Contact: _____

Phone: _____

Consultant: _____

Contact: _____

Phone: _____

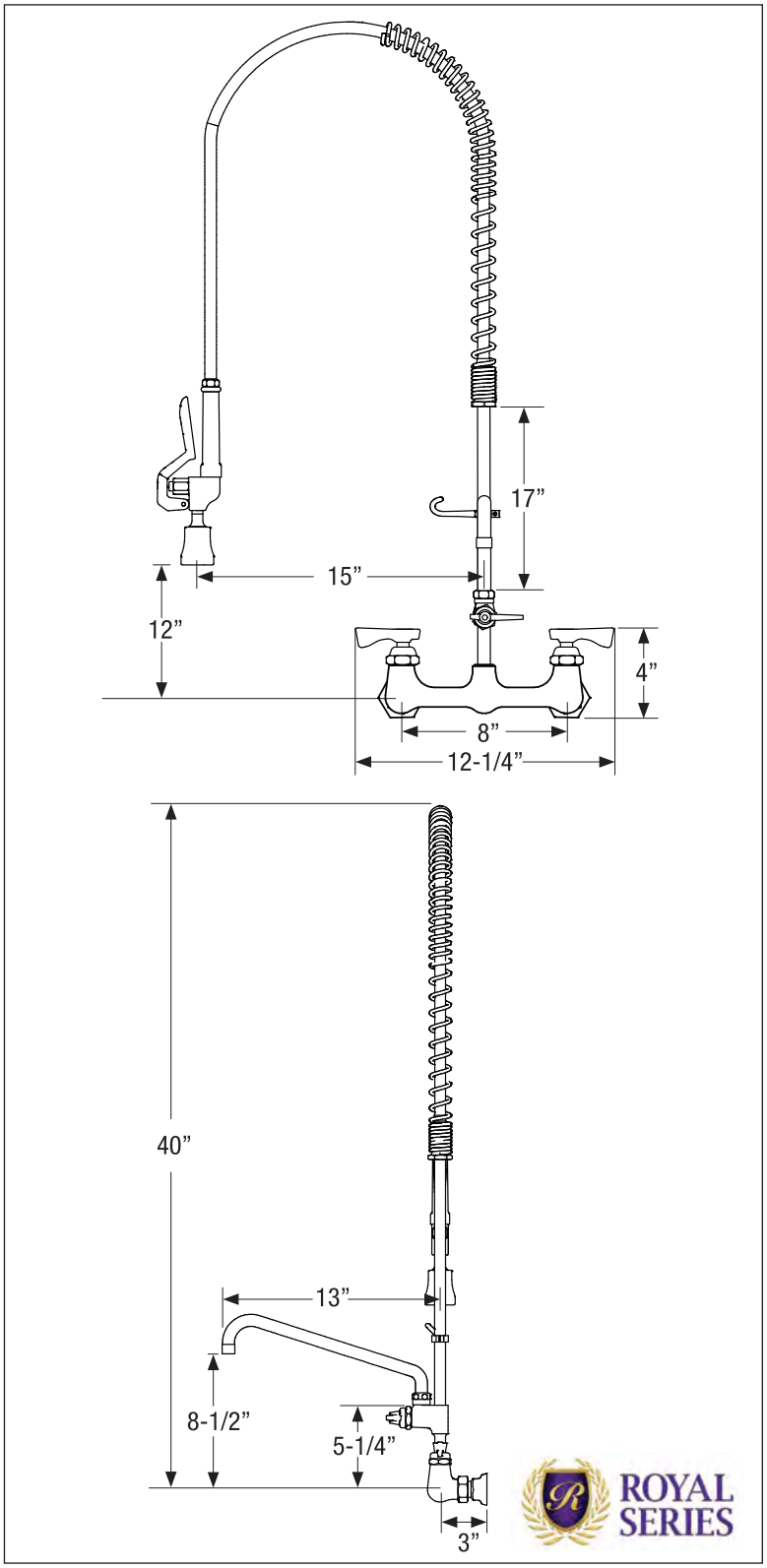
Model: 17-109WL Item #:

Project: Qty: Appro

ALDERSON-
114000 FOODSERVICE EQUIPMENT
PRODUCT DATA SHEETS

ADDENDUM NO. 3
LOCATED @ 3-BOWL SINK
(KE #10.A)

8” Center Wall Mount Pre-Rinse w/ Add-On Faucet R



Standard Features

- Pre-assembled to cut installation time
- Includes wall bracket with mounting hardware
- 1/4 turn ceramic cartridge valves
- 44” stainless steel hose with grip
- Interchangeable with most brands
- Built-in check valves
- Built for high volume
- Full replacement parts available

Specifications

- 8” Center Wall Mount with 1/2” NPT female inlets
- Add-On Faucet with 12” Spout
- 40” high w/ 15” overhang
- 1.2 GPM spray head
- Temperature range of 40° to 180°
- Riser Pipe with Hook: 3/8” NPT x 18”
- Mounting Kit Included:
  1/2” NPT x 1-1/2” male nipples with locknuts
- Shipping Weight: 15 lbs.
- Case Quantity: 3

Product Compliance

- NSF/ANSI 61-G
- ASME A112.18.1/CSA B125.1
- City of Los Angeles
- CEC Listed
- Commonwealth of Massachusetts

ASME A112.18.1/CSA B125.1

Certified to NSF/ANSI 61-G

Warning: This product can expose you to chemicals including lead and lead compounds which are known to the Sate of California to cause cnacer and birth defects or other reporductive harm. For ore information go to ww. PO65Warnings.ca.gov.

Krowne Metal Corporation • 100 Haul Rd. Wayne, NJ 07470 • Toll Free: (800) 631-0442 • Fax: (973) 872-1129 • sales@krowne.com • krowne.com

Model: 17-109WL Item #: _____ Date: _____

Project: _____ Qty: _____ Approved By: _____

8” Center Wall Mount Pre-Rinse w/ Add-On Faucet

ROYAL SERIES PLUMBING

Replacement Parts

NO.	Item	Model #
1	24” Spring	21-162
2	44” Hose w/ Grip	21-133L
3	Spray Head	21-129L
4	Hook Assembly	21-165
5	Spring Retainer	21-161L
6	Wall Bracket	21-137
7	18” Riser	21-160L
8	Add-On Faucet w/ 12” Spout	21-139L
9	8” Center Pre-Rinse Body	21-108L

ASME A112.18.1/CSA B125.1

Certified to NSF/ANSI 61-G

Krowne Metal Corporation • 100 Haul Rd. Wayne, NJ 07470 • Toll Free: (800) 631-0442 • Fax: (973) 872-1129 • sales@krowne.com • krowne.com

Model: 14-812L Item #:

Project: Qty: Approved

ALDERSON-
114000 FOODSERVICE EQUIPMENT
PRODUCT DATA SHEETS

ADDENDUM NO. 3
LOCATED @ PREP TABLE
(KE #21.A)

8” Center Wall Mount Faucet with 12” Spout

14-812L

DESCRIPTION

8” Center Wall Mount Faucet with 12” Spout, Polished Chrome Finish, Mounting Kit Included, 1.8 GPM Aerator Installed

STANDARD FEATURES

- ¼ Turn High Performance Ceramic Cartridge Valves with Integral Check
- Heavy Duty Flanges with Eccentric Fittings Allow Alignment Adjustments for Quick Installation
- Durable Full Range Swing Spout with Double O-Ring Construction
- Lever Handles
- Mounting Kit Included
- Warranty: 3 Years

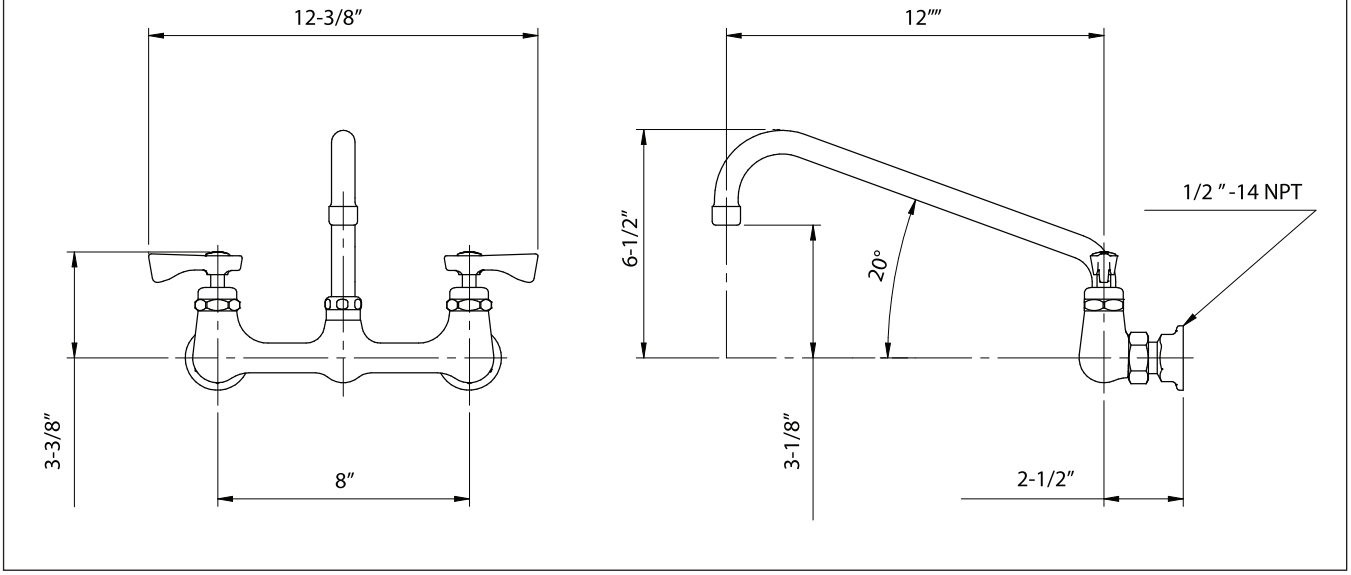
PRODUCT COMPLIANCE

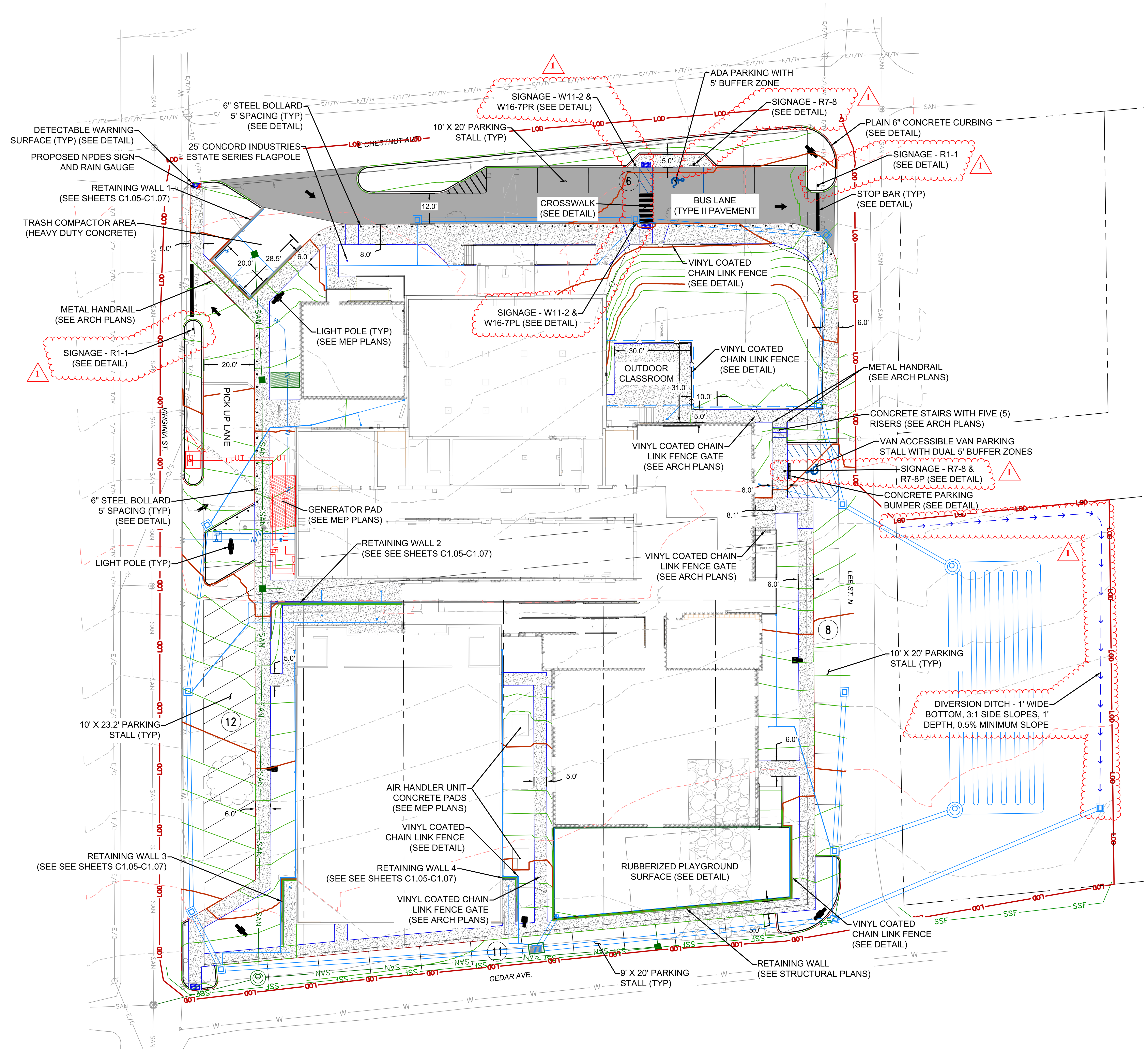
- ASME A112.18.1/CSA B125.1
- NSF-61
- NSF/ANSI 372
- Meets ANSI A117.1 (ADA)
- California Proposition 65
- CEC Listed
- Massachusetts Approved

WARNING: Plumbing connections should be made by qualified personnel who will observe all applicable plumbing, sanitary and safety codes.

SPECIFICATIONS

Water Inlet	1/2” NPT
Temp. Range	40°F - 180°F
Rough In	7/8” Round Holes on 8” Center
Flow Rate	1.8 GPM
Material	Chrome Plated Brass
Weight	6 lbs.





PLAN LEGEND

- PROPERTY LINE
- SUB-PARCEL LINE
- EXISTING CONTOURS
- EXISTING TELECOM/TELEVISION LINE
- EXISTING ELECTRIC/TELECOM/TELEVISION LINE
- EXISTING OVERHEAD ELECTRIC
- EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE
- EXISTING SIDEWALK
- EXISTING BUILDING OUTLINE
- EXISTING WALL
- EXISTING EXISTING PAVED ROAD EDGE
- EXISTING HANDRAIL
- EXISTING CURB
- EXISTING EDGE OF GUTTER
- EXISTING GUY WIRE
- EXISTING PROPANE TANK
- EXISTING UTILITY POLE
- EXISTING WATER METER
- EXISTING WATER VALVE
- EXISTING GAS VALVE
- EXISTING TREE
- EXISTING STORM SEWER DRAIN
- PROPOSED CONTOURS
- PROPOSED EDGE OF PAVEMENT
- PROPOSED SIDEWALK
- PROPOSED FACE OF CURB
- PROPOSED BACK OF CURB
- PROPOSED PAVEMENT MARKINGS
- PROPOSED ADA PAVEMENT MARKINGS
- PROPOSED WATER LINE
- PROPOSED BUILDING OUTLINE
- PROPOSED FENCE
- PROPOSED RETAINING WALL
- PROPOSED SANITARY SEWER
- PROPOSED STORM PIPE
- PROPOSED STORM STRUCTURE
- PROPOSED TRENCH DRAIN
- PROPOSED UNDERGROUND DETENTION
- PROPOSED ELECTRICAL LINE
- PROPOSED TELECOM LINE
- PROPOSED ADA PARKING ZONE
- PROPOSED ADA PARKING LOGO

NOTES

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2. BASE MAP INFORMATION IS BASED ON FIELD SURVEY PERFORMED BY THE THRASHER GROUP IN OCTOBER 2021.
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4. IN THE RECENTLY DEMOLISHED BUILDING AREA, THE CONTRACTOR SHALL REMOVE ALL REMAINING ELEMENTS INCLUDING, BUT NOT LIMITED TO SLABS, FOUNDATIONS, UNDERGROUND UTILITIES, AND MISCELLANEOUS DEBRIS. AFTER REMOVAL OF REMAINING ELEMENTS, CONTRACT SHALL OVER-EXCAVATE ENTIRE BUILDING FOOTPRINT A MINIMUM OF 3' OR AS REQUIRED TO PROVIDE A COMPETENT SUBGRADE. CONTRACTOR SHALL BACKFILL THE AREA IN ACCORDANCE WITH THE EARTHWORK SPECIFICATIONS AND GEOTECHNICAL REPORT TO ACCEPTANCE OF THE COMPACTION TESTING AGENCY.
5. CONTRACTOR SHALL INSTALL E&S CONTROLS AS NECESSARY, PRIOR TO ANY EARTH DISTURBANCE.

PARKING SUMMARY

PARKING SPACES	35
ADA PARKING SPACES	2
TOTAL PARKING SPACES	37

20ft. 0 20ft. 40ft.

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NO.	BY	DATE	DESCRIPTION
REV1	TJM	10.06.2022	ADDENDUM 3 – RELOCATED UNDERGROUND DETENTION, IDENTIFIED SIGNAGE

ALDERSON ELEMENTARY SCHOOL

ADDITIONS AND RENOVATIONS

CONSTRUCTION DOCUMENTS - SBA SUBMISSION

MAY 18, 2022

ALDERSON, WEST VIRGINIA
GREENBRIER COUNTY SCHOOLS

DRAWN: TJM DATE: 05.05.2022
CHECKED: RBM DATE: 05.12.2022
APPROVED: KQB DATE: 05.18.2022

PROJECT No.

SITE PLAN

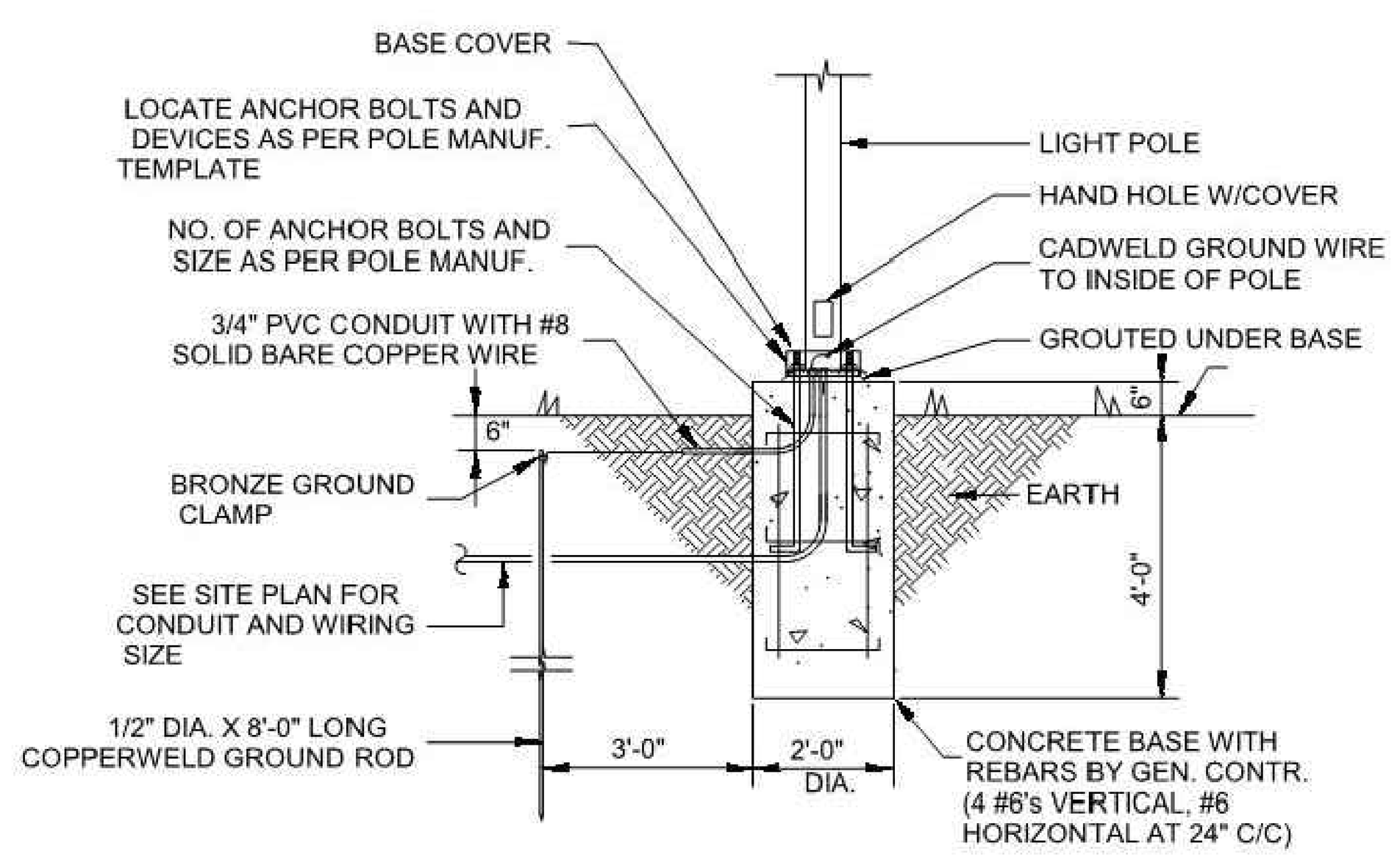
SHEET No.

C1.03

LAYOUT TAB: 10160–SITE PLAN
PLOT DATE/TIME: October 11, 2022
USER: -----

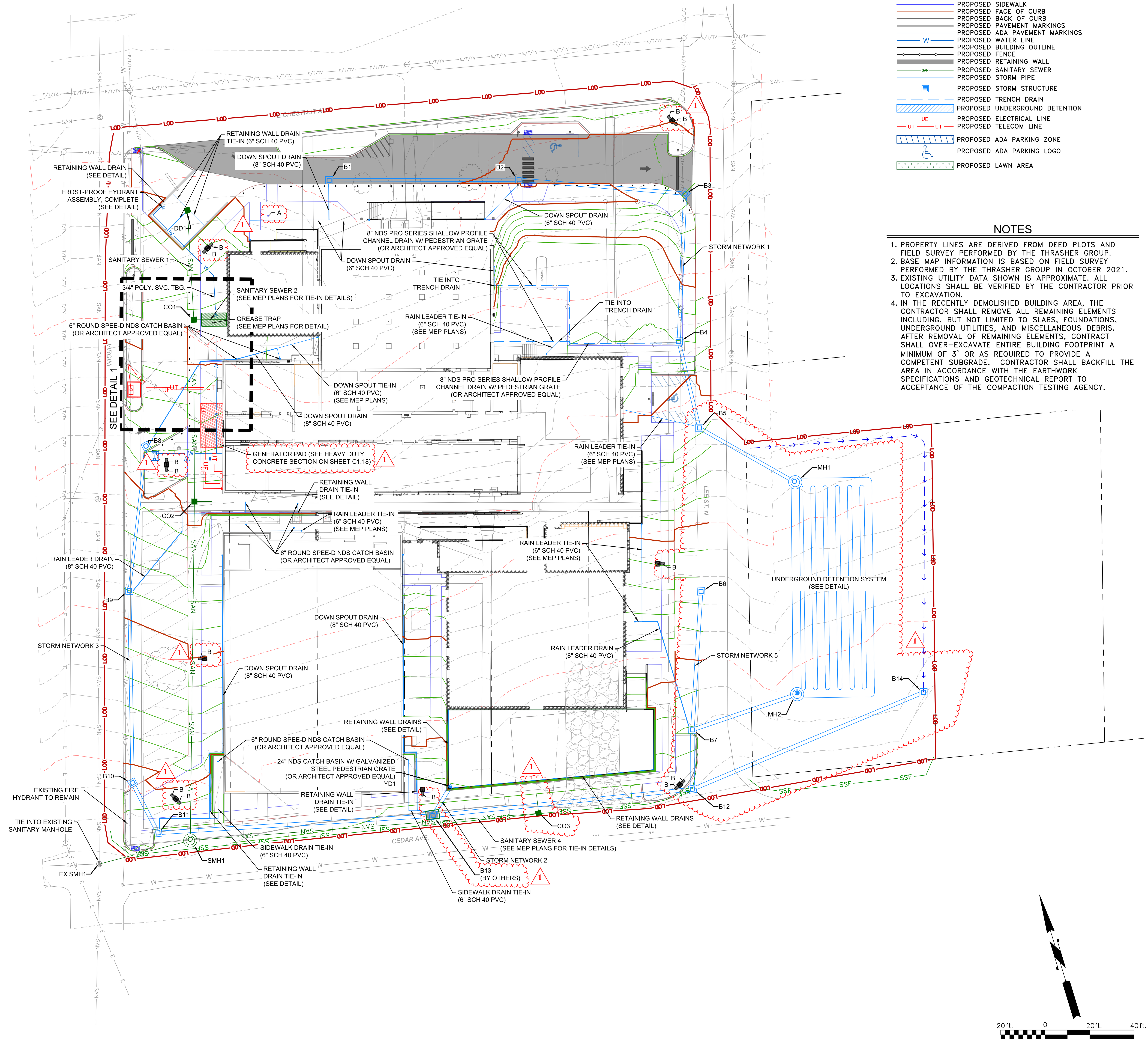
LIGHTING FIXTURE SCHEDULE SITE

MARK	LAMPS/TYPE	MOUNTING	MANUFACTURER	SERIES	DESCRIPTION	NOTES
A	LED	IN GRADE	COOPER HYDREL	3002A RD18LED4000 DALTONA9LED38	FLUSH TO GRADE FLAG FLOOD LIGHT WET LOCATION RATED/DK BRONZE 4000K, NARROW FLOOD ELECTRONIC DRIVER	277 VOLT
B	LED	POLE	COOPER LITHONIA	GANAF06LED CSX2LED120C700T3M	POLE AREA LIGHT WITH MOUNTING HARDWARE WET LOCATION RATED/BK BRONZE 5000K TYPE E DIST.	277 VOLT 30' STEEL PAINTED POLE SQUARE DK BRONZE

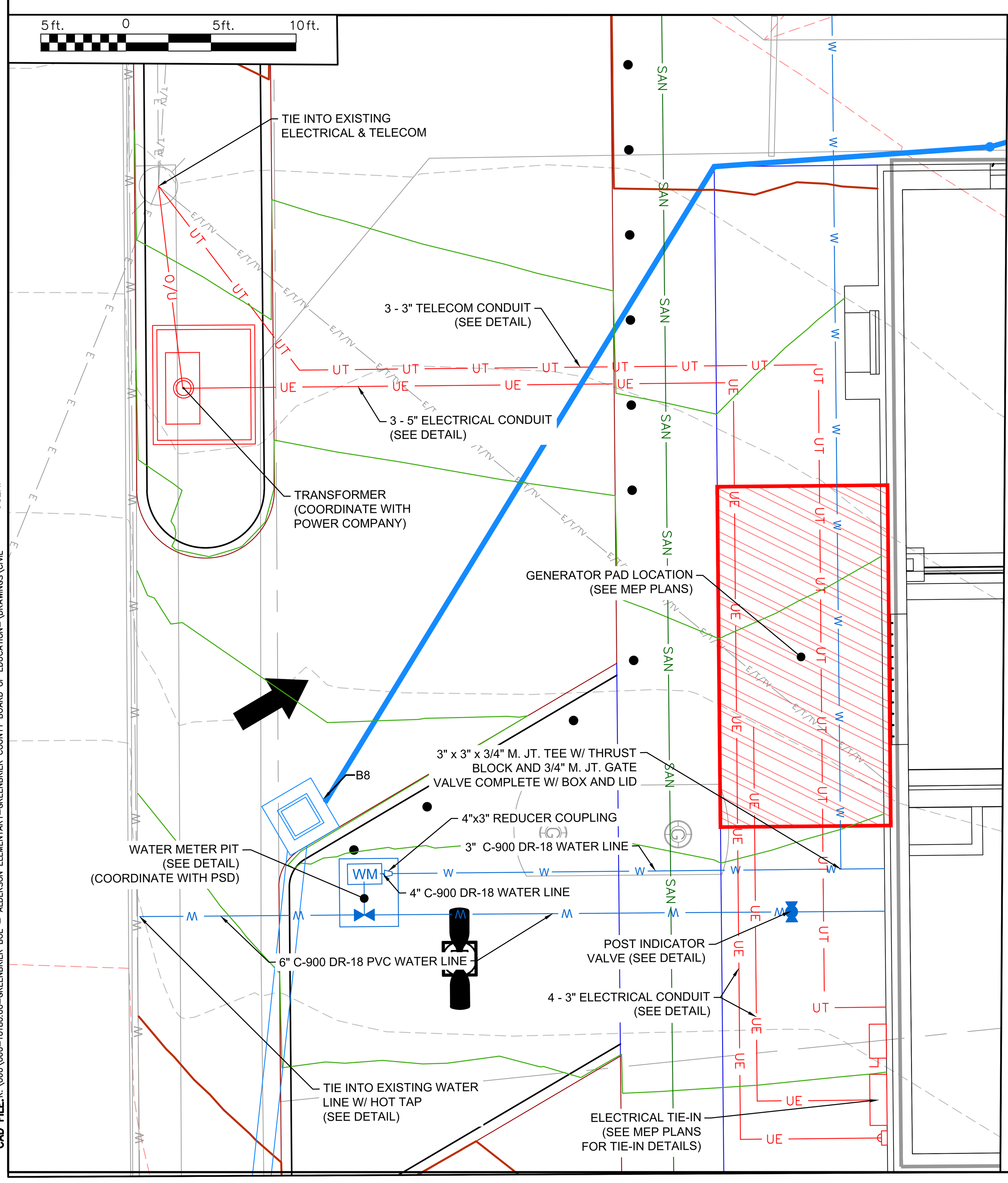


POLE BASE DETAIL

NO SCALE



DETAIL 1



PLAN LEGEND

- PROPERTY LINE
- SUB-PARCEL LINE
- EXISTING CONTOURS
- EXISTING TELECOM/TELEVISION LINE
- EXISTING ELECTRIC/TELECOM/TELEVISION LINE
- EXISTING OVERHEAD ELECTRIC
- EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE
- EXISTING SIDEWALK
- EXISTING BUILDING OUTLINE
- EXISTING WALL
- EXISTING EXISTING PAVED ROAD EDGE
- EXISTING HANDRAIL
- EXISTING CURB
- EXISTING EDGE OF GUTTER
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- PROPOSED CONTOURS
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- PROPOSED STORM STRUCTURE
- PROPOSED TRENCH DRAIN
- PROPOSED UNDERGROUND DETENTION
- PROPOSED ELECTRICAL LINE
- PROPOSED TELECOM LINE
- PROPOSED ADA PARKING ZONE
- PROPOSED ADA PARKING LOGO
- PROPOSED LAWN AREA

NOTES

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NO.	BY	DATE	DESCRIPTION
REV.1	TJM	10.06.2022	ADDENDUM 3 - RELOCATED UNDERGROUND DETENTION, IDENTIFIED SIGNAGE

ALDERSON ELEMENTARY SCHOOL

ADDITIONS AND RENOVATIONS

CONSTRUCTION DOCUMENTS - SBA SUBMISSION

MAY 18, 2022

ALDERSON, WEST VIRGINIA
GREENBRIER COUNTY SCHOOLS

DRAWN: TJM DATE: 05.05.2022
CHECKED: RBM DATE: 05.12.2022
APPROVED: KQB DATE: 05.18.2022

PROJECT No.

UTILITY PLAN

SHEET No.

C1.09

LAYOUT TAB: 10180-UTILITY PLAN
CAD FILE: ...10180-GREENBRIER COUNTY BOARD OF EDUCATION
PLOT DATE/TIME: October 11, 2022
USER:

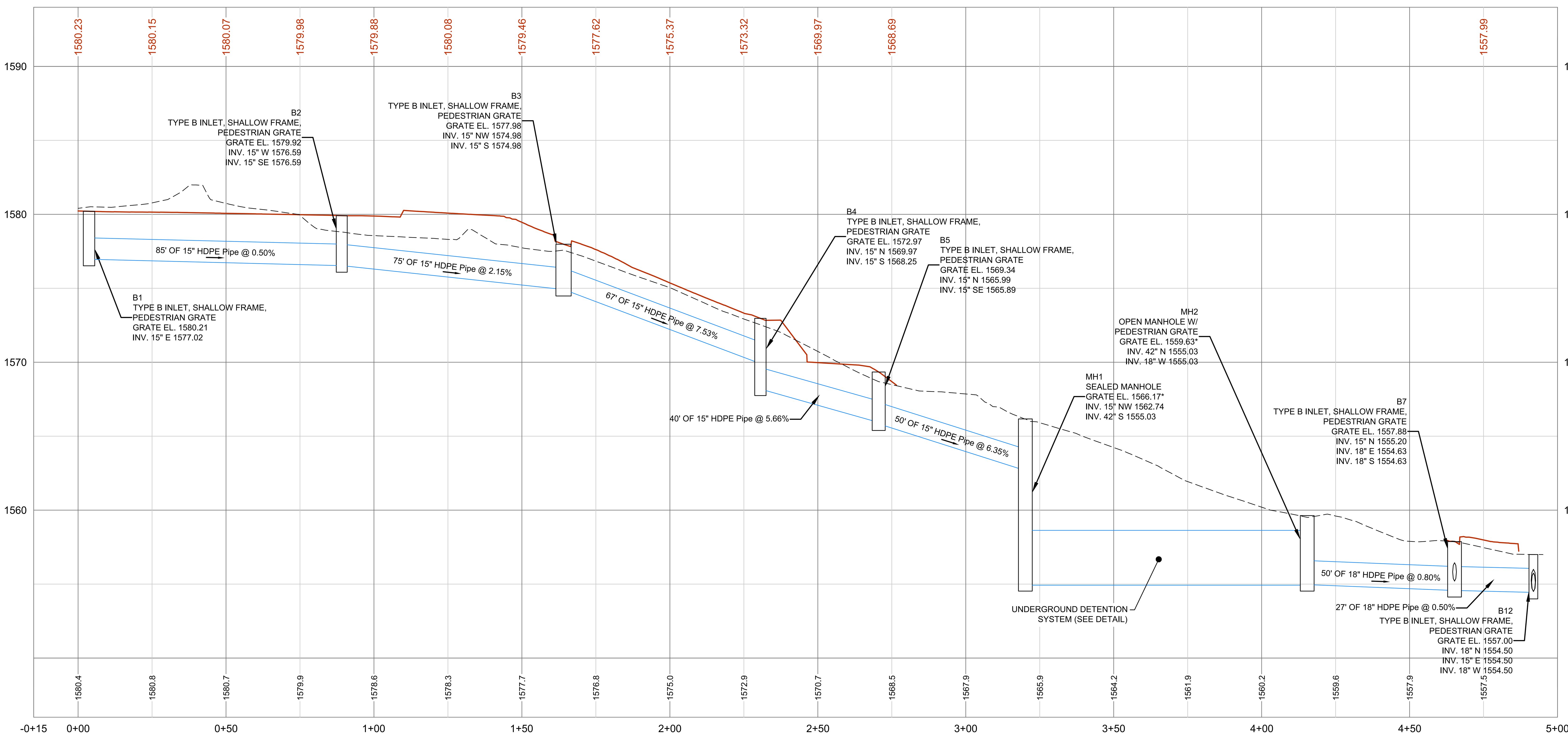
PROFILE LEGEND

- EXISTING GROUND (dashed line)
- PROPOSED GRADE (solid line)

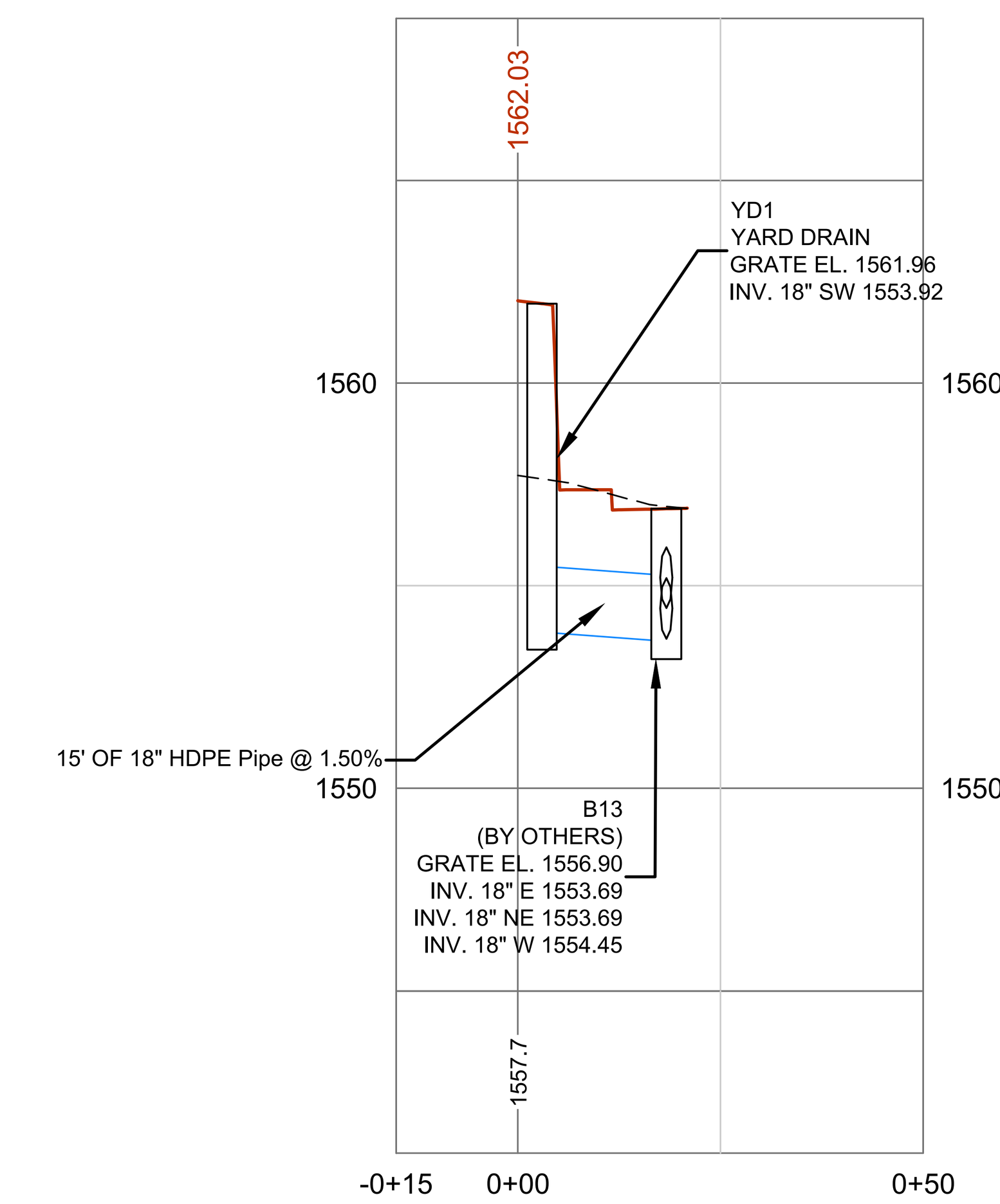
NOTES

* FINAL RIM/GRATE ELEVATION SHALL BE COORDINATED WITH ENGINEER.

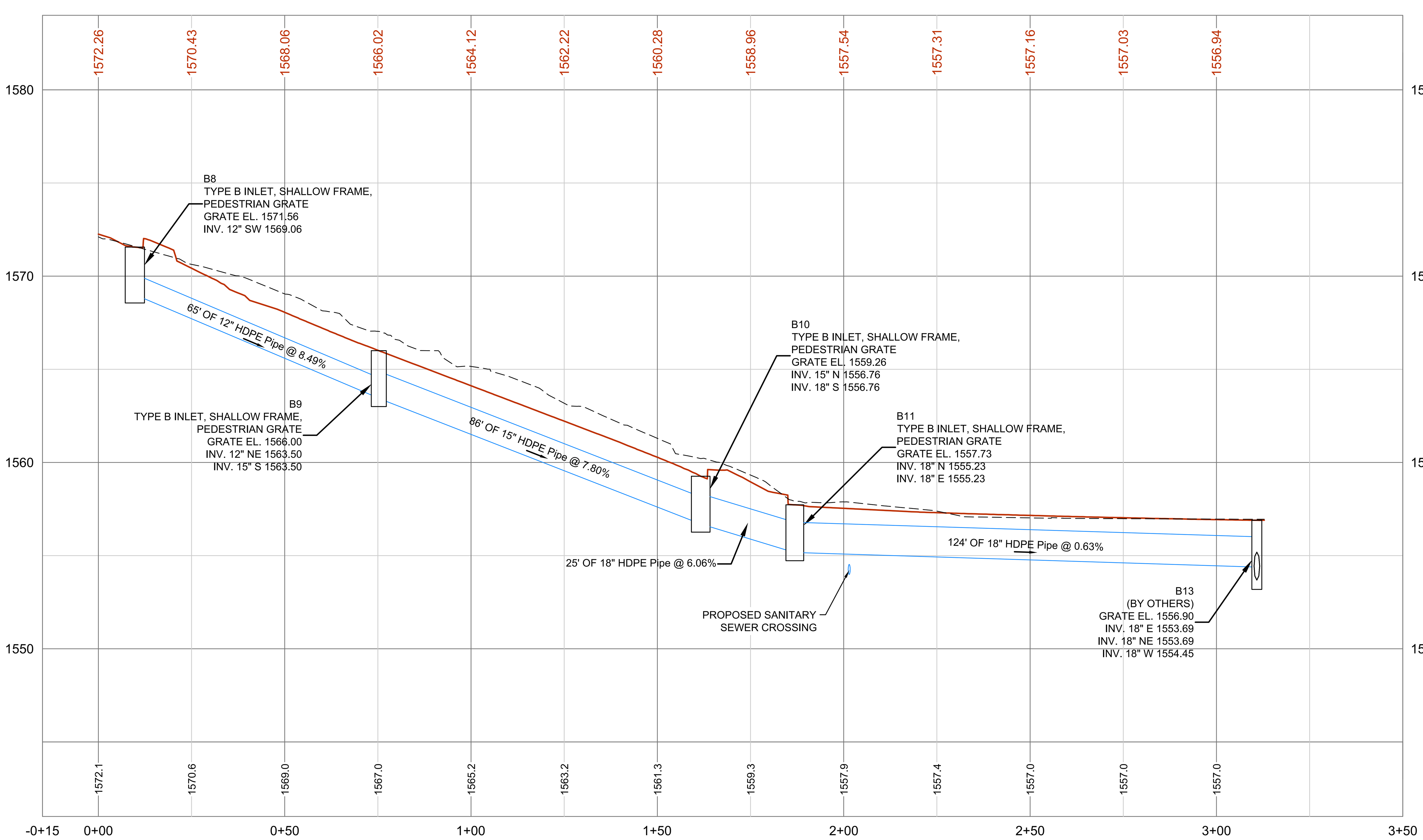
STORM NETWORK 1



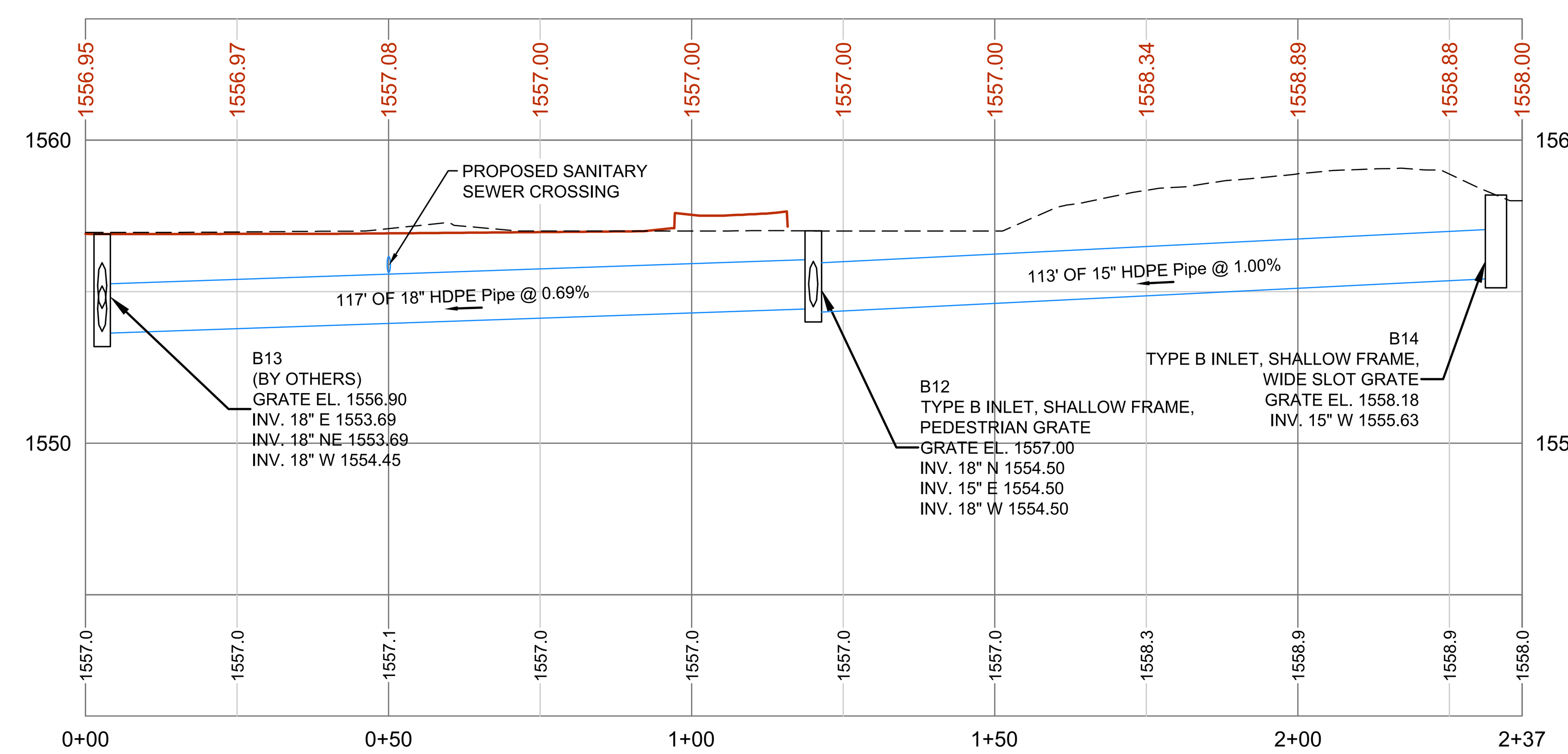
STORM NETWORK 2



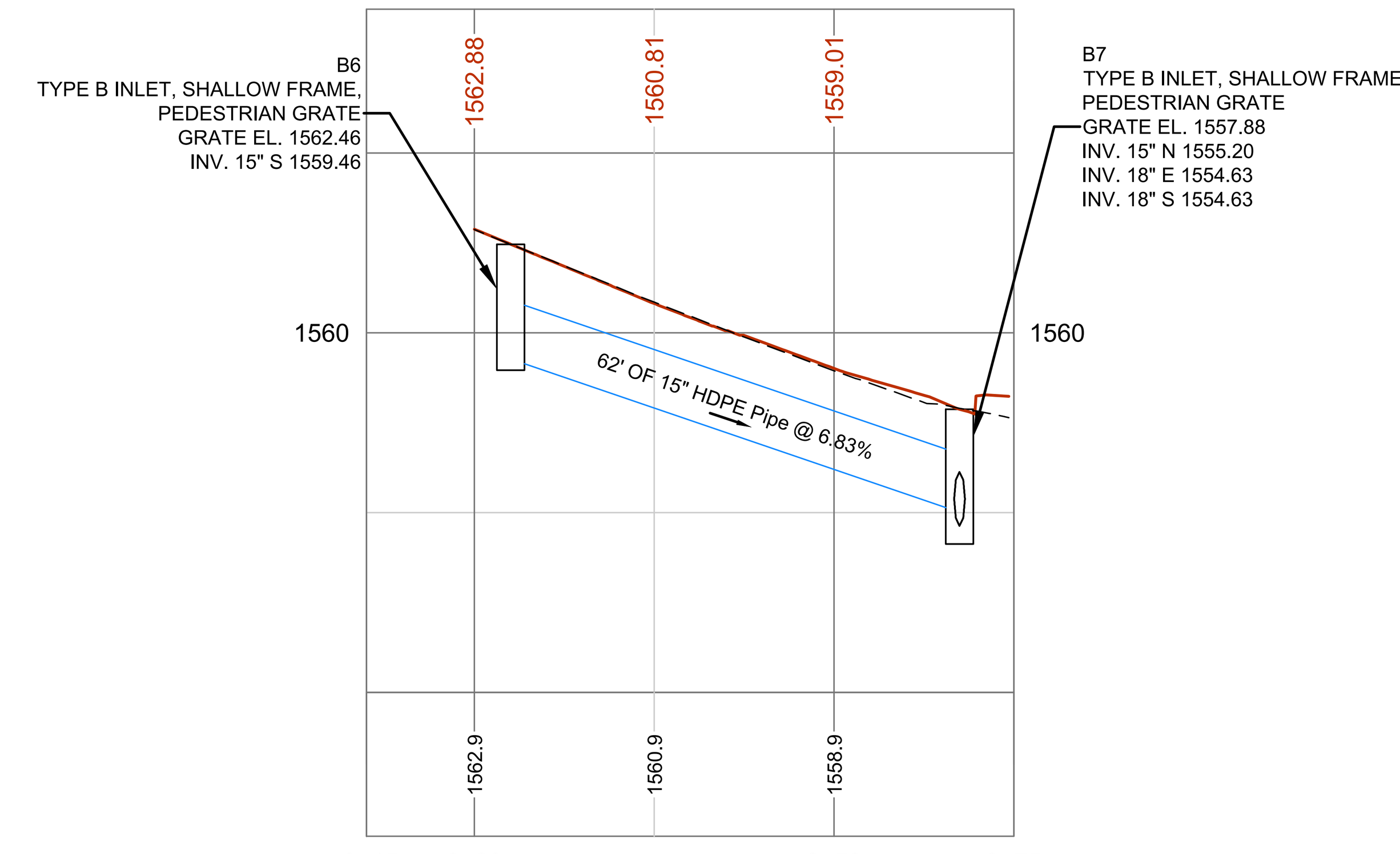
STORM NETWORK 3



STORM NETWORK 4



STORM NETWORK 5



VERT. 0 – 4 ft.
HOR. 0 – 20 ft.

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NO.	REV.	BY	DATE	DESCRIPTION
	1	TJM	10.06.2022	ADDENDUM 3 – RELOCATED UNDERGROUND DETENTION, IDENTIFIED SIGNAGE

ALDERSON ELEMENTARY SCHOOL
ADDITIONS AND RENOVATIONS
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MAY 18, 2022
ALDERSON, WEST VIRGINIA
GREENBRIER COUNTY SCHOOLS

DRAWN: TJM — DATE: 05.05.2022
CHECKED: RBM — DATE: 05.12.2022
APPROVED: KQB — DATE: 05.18.2022
PROJECT No.

UTILITY PROFILES

SHEET No.
C1.10

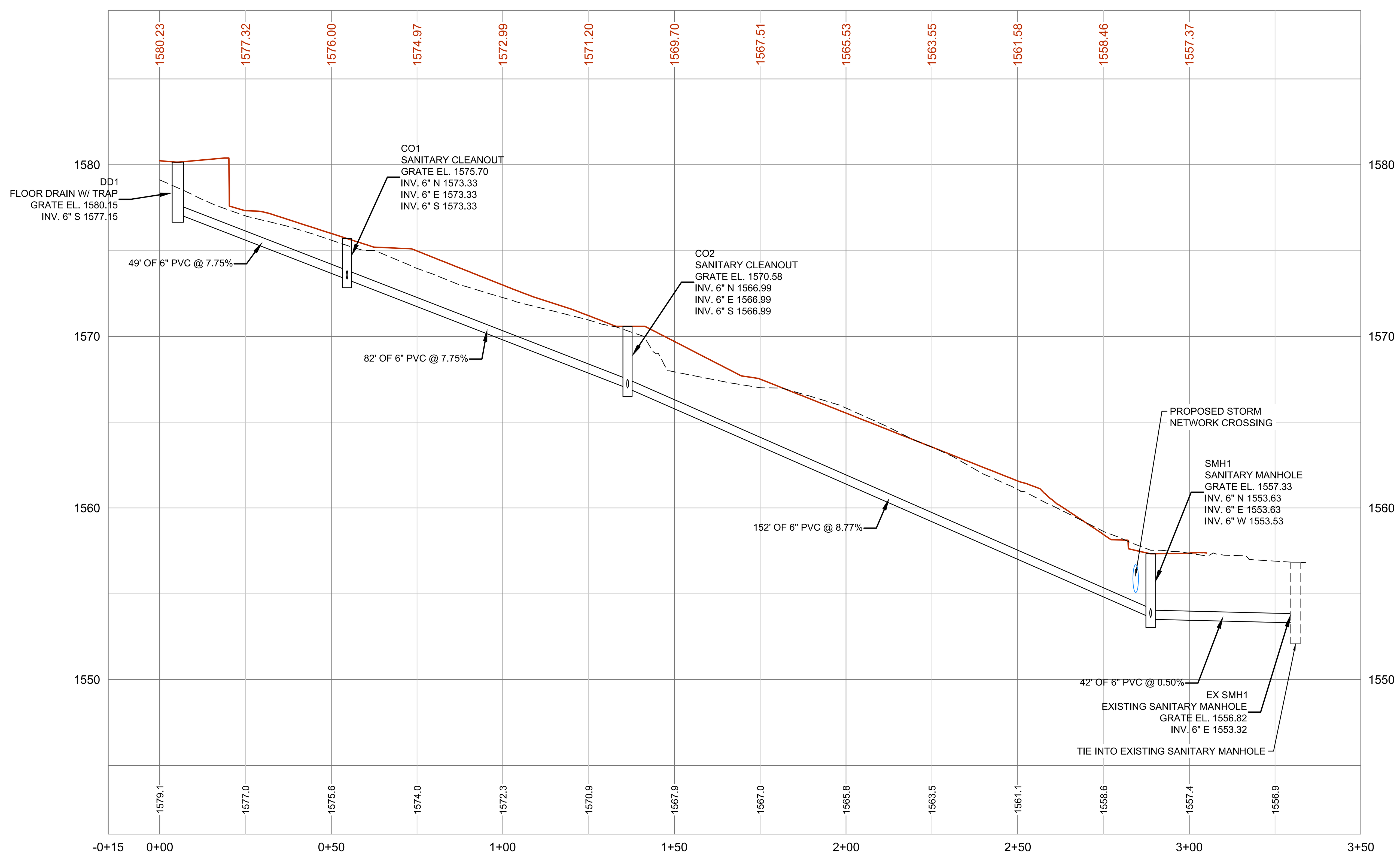
LAYOUT TAB: 10 RD-UTILITY PLAN
CAD FILE: ... ALDERSON ELEMENTARY ... GREENBRIER COUNTY BOARD OF EDUCATION ...
PLOT DATE/TIME: October 11, 2022
USER:

PROFILE LEGEND

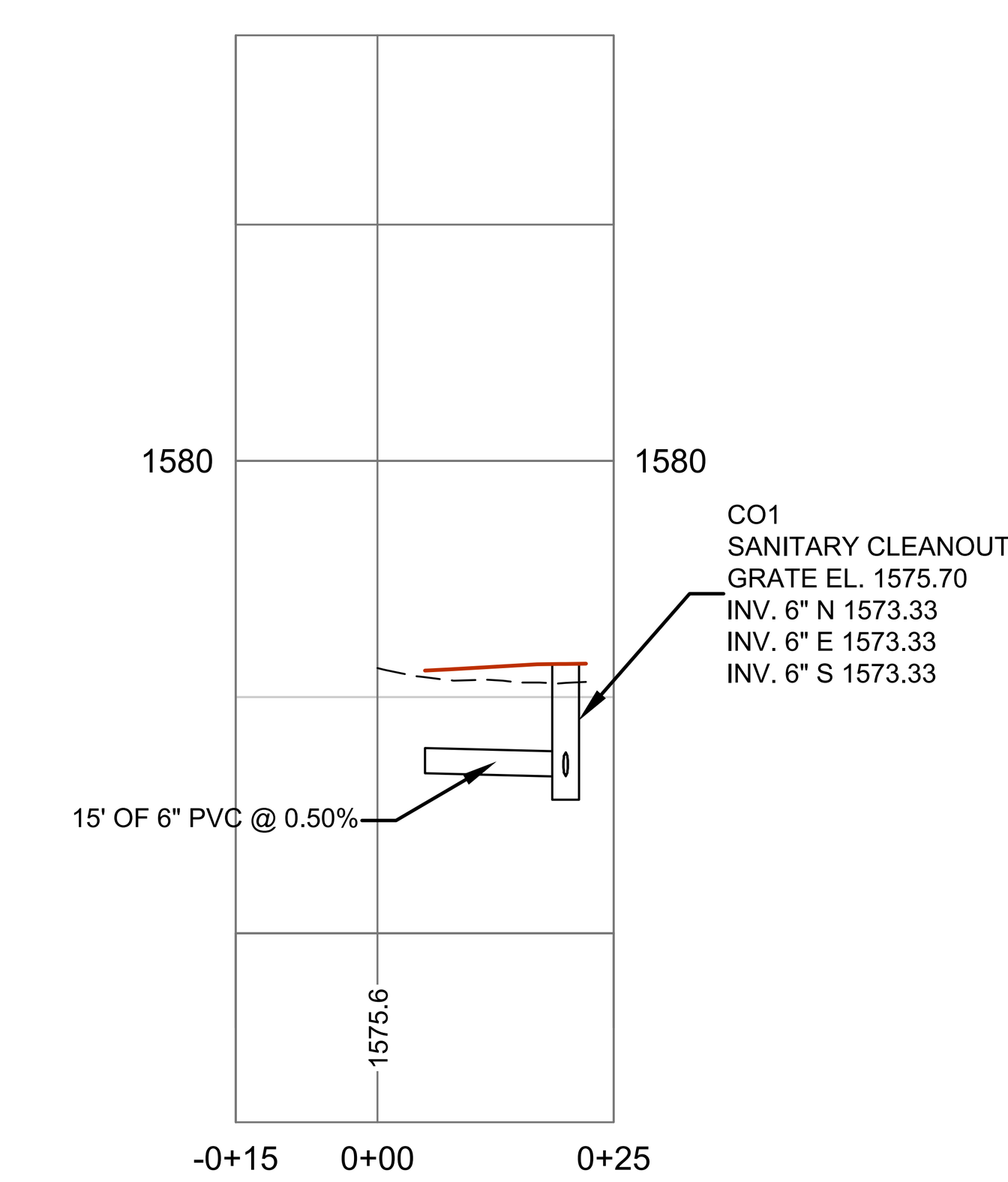
EXISTING GROUND

PROPOSED GRADE

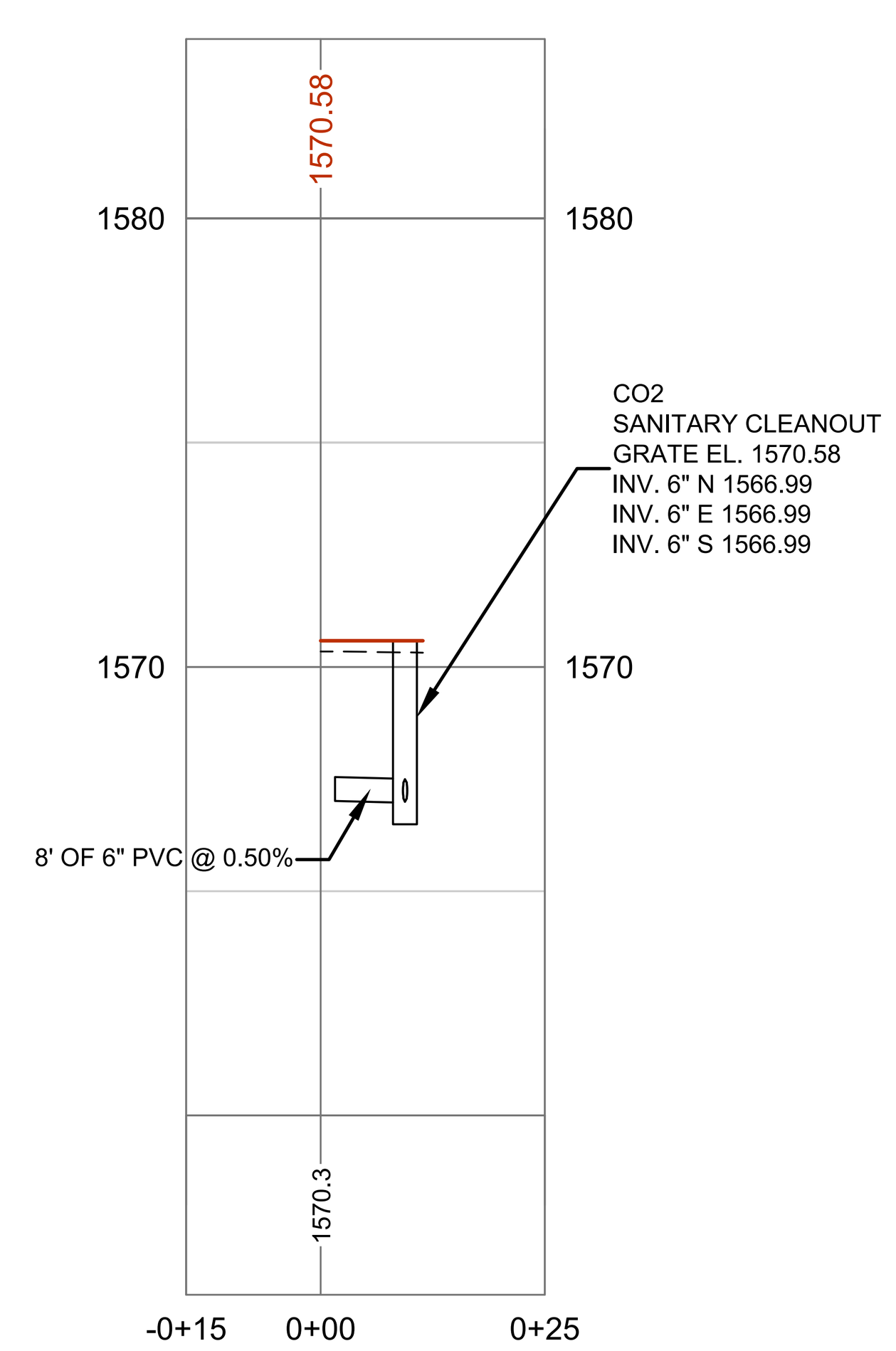
SANITARY SEWER 1



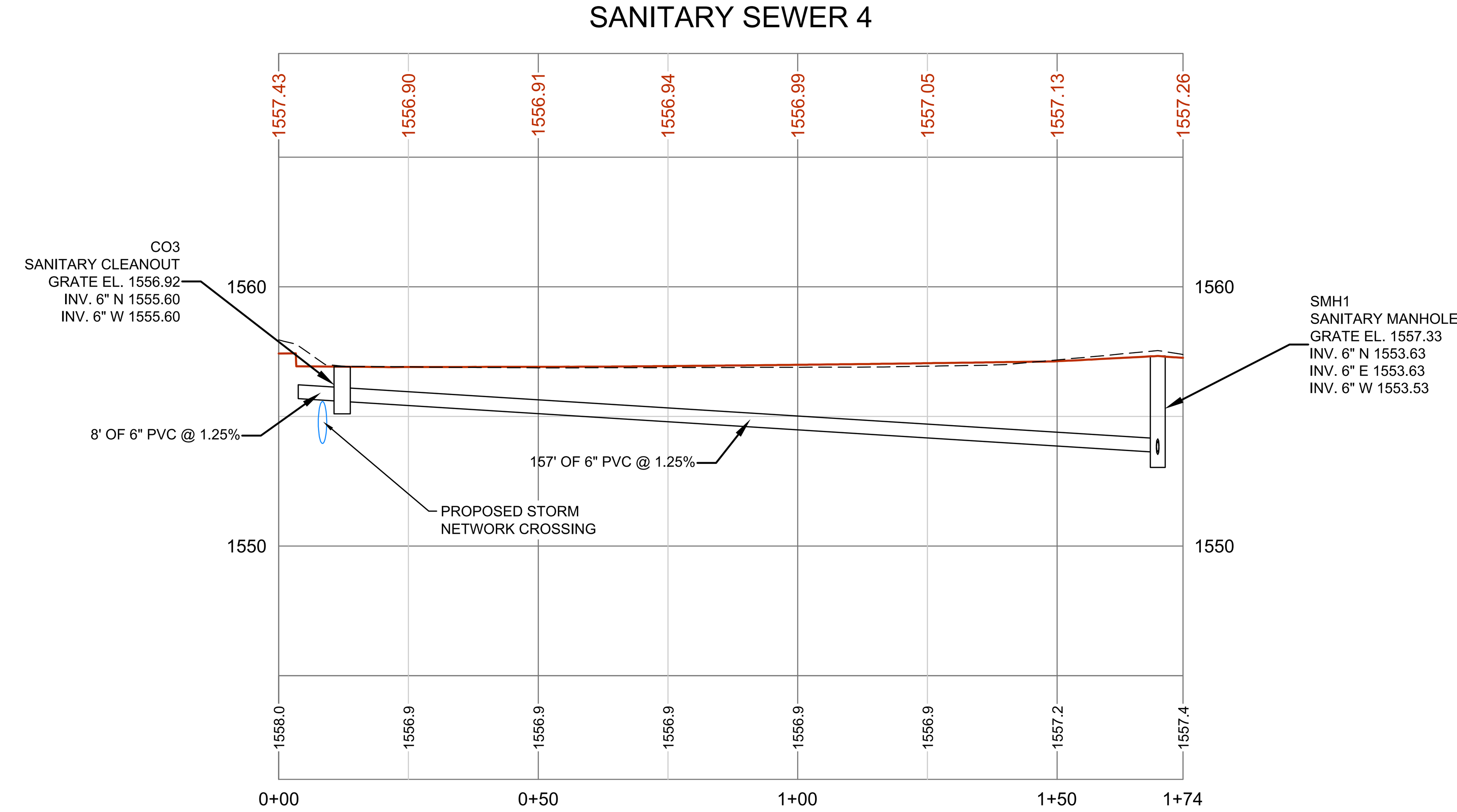
SANITARY SEWER 2



SANITARY SEWER 3



SANITARY SEWER 4



4 ft.
VERT. 0
0 20 ft.
HOR.

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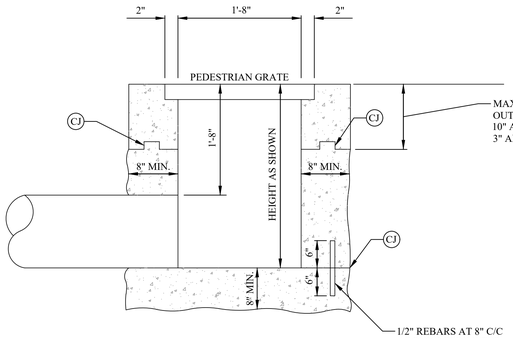
PROJECT No.

UTILITY PROFILES

SHEET No.
C1.11

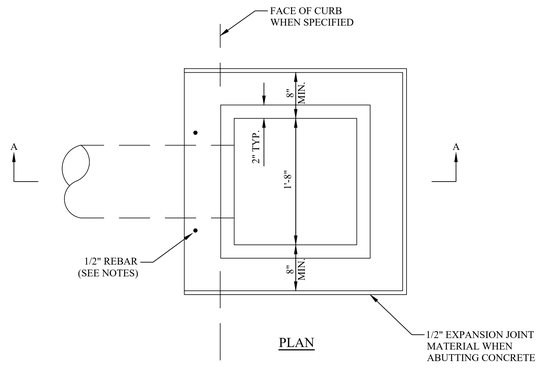
LAYOUT TAB: 10180-UTILITY PLAN
CAD FILE: ... GREENBRIER COUNTY BOARD OF EDUCATION ...
PLOT DATE/TIME: October 11, 2022
USER:



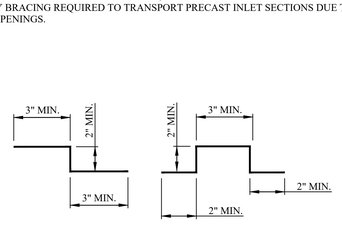
SECTION A-A
WITH SHALLOW FRAME

NOTES:

1. UNLESS OTHERWISE SPECIFIED ON THE PLANS, TYPE B INLETS ARE TO BE CONSTRUCTED IN THE SHAPE SHOWN.
2. CONSTRUCTION MAY BE CAST-IN-PLACE, PRECAST IN ONE OR MORE MULTIPLE SECTIONS, OR ANY COMBINATION OF CAST-IN-PLACE AND PRECAST.
3. OPTIONAL CONSTRUCTION JOINTS LABELED "CJ" MAY BE ROUGHENED CONCRETE, KEYED OR DOWELED AS PER THE TYPICAL DETAILS SHOWN HEREIN, OR AS APPROVED BY THE ENGINEER. NON SHRINK GROUT MEETING THE REQUIREMENTS OF SUBSECTION 715.5 OF THE SPECIFICATIONS MAY BE USED TO A DEPTH OF 1/2" FOR LEVELING BETWEEN PRECAST SECTIONS. THICKER DEPTHS WILL BE ALLOWED AS PER THE MANUFACTURER'S RECOMMENDATIONS.
4. THE FINAL INSTALLED TOP SURFACE OF INLET AND GRATE SHALL BE FLUSH WITH ADJACENT FINISHED SURFACES SUCH AS PAVEMENT, GUTTERS, CURBS, AND SIDEWALKS. TOP OF GRATE ELEVATION, IF SHOWN ON THE PLANS, IS FOR INFORMATION ONLY.
5. REBARS ARE TO BE INSTALLED AT THE QUARTER POINTS TO CONNECT CURB TO INLET. REBARS ARE NOT REQUIRED IF CURB IS POURED MONOLITHICALLY WITH THE INLET OR IF TYPE V OR VI MEDIAN IS SPECIFIED ON THE PLANS.
6. THE CONTRACTOR MAY, AT HIS OPTION, OMIT USE OF THE SHALLOW FRAME BY FORMING A LEDGE IN THE CONCRETE.
7. SPECIAL CARE SHALL BE EXERCISED IN FORMING THE 2" WIDE CONCRETE LEDGE TO PROVIDE A SMOOTH, EVEN SURFACE FOR SUPPORTING THE GRATE IF A FRAME IS NOT USED. NO PROJECTIONS SHALL EXIST ON THE GRATE AND THE GRATE SHALL SEAT ON THE LEDGE WITHOUT ROCKING.
8. FIBRE FORM SHALL BE REMOVED PRIOR TO COMPLETION OF THE PROJECT.
9. PC (MINIMUM PIPE COVER) SHALL BE 12" BELOW INLET TOP FOR PIPES PLACED UNDER SIDEWALK OR GRASSED AREA OR 24" BELOW INLET TOP FOR PIPES PLACED UNDER PAVEMENT OR SHOULDER.
10. CURB, IF SPECIFIED, MAY BE EITHER CONCRETE PLACED ON THE INLET BACKWALL AS DETAILED HEREIN OR AN APPROVED CURB BOX AS MANUFACTURED WITH THE GRATE AND FRAME. DIMENSIONS OF THE CURB BOX SHOULD REASONABLY CONFORM TO THE STANDARD CURB AS SPECIFIED IN THE PLANS. THE CURB WILL BE PAID FOR PER SECTION 610, IN EITHER CASE.
11. THIS INLET SHALL NOT BE PLACED IN A PEDESTRIAN CROSSWALK.
12. THE MINIMUM DISTANCE FROM THE TOP OF ANY PIPE OPENING TO ANY CONSTRUCTION JOINT ABOVE THE OPENING SHALL BE FOUR (4) INCHES.
13. THE NUMBER AND LOCATION OF PIPE OPENINGS SHALL BE AS SHOWN IN THE PLANS. THE CONTRACTOR AT NO ADDITIONAL COST, SHALL BE RESPONSIBLE FOR ANY TEMPORARY BRACING REQUIRED TO TRANSPORT PRECAST INLET SECTIONS DUE TO MULTIPLE OPENINGS.

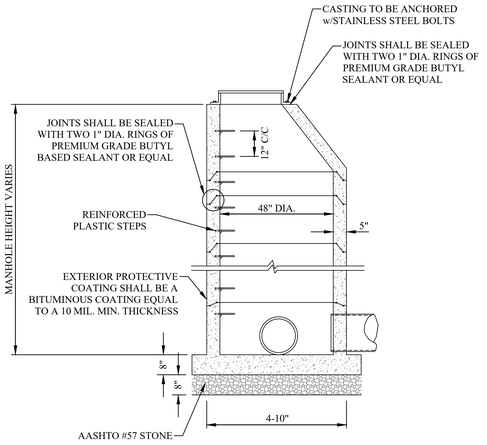


PLAN

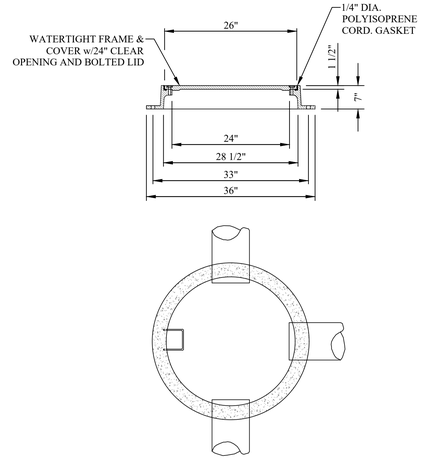


CONSTRUCTION JOINT DETAILS

TYPE B INLET
NOT TO SCALE



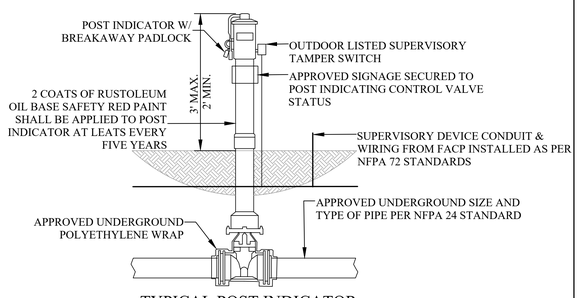
STORM SEWER MANHOLE
NOT TO SCALE



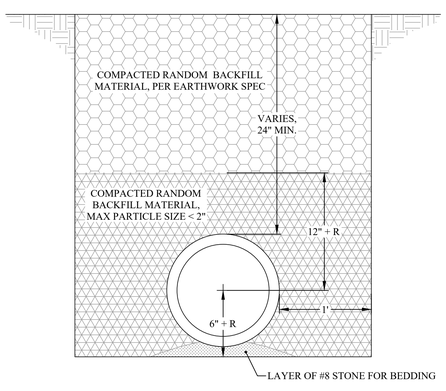
NOTES:

1. MANHOLES TO BE BURIED 1' MIN. UNDER WVDOH ROADWAY DITCHES & 6" MIN. IN THE SHOULDER AREAS.
2. ALL SEALED JOINTS IN MANHOLE TO BE WATERTIGHT.
3. ALL MANHOLES SHALL BE PRECAST CONSTRUCTION, AND SHALL INCLUDE CAST IN PLACE FLEXIBLE PIPE TO MANHOLE CONNECTORS AT ALL PIPE PENETRATIONS.

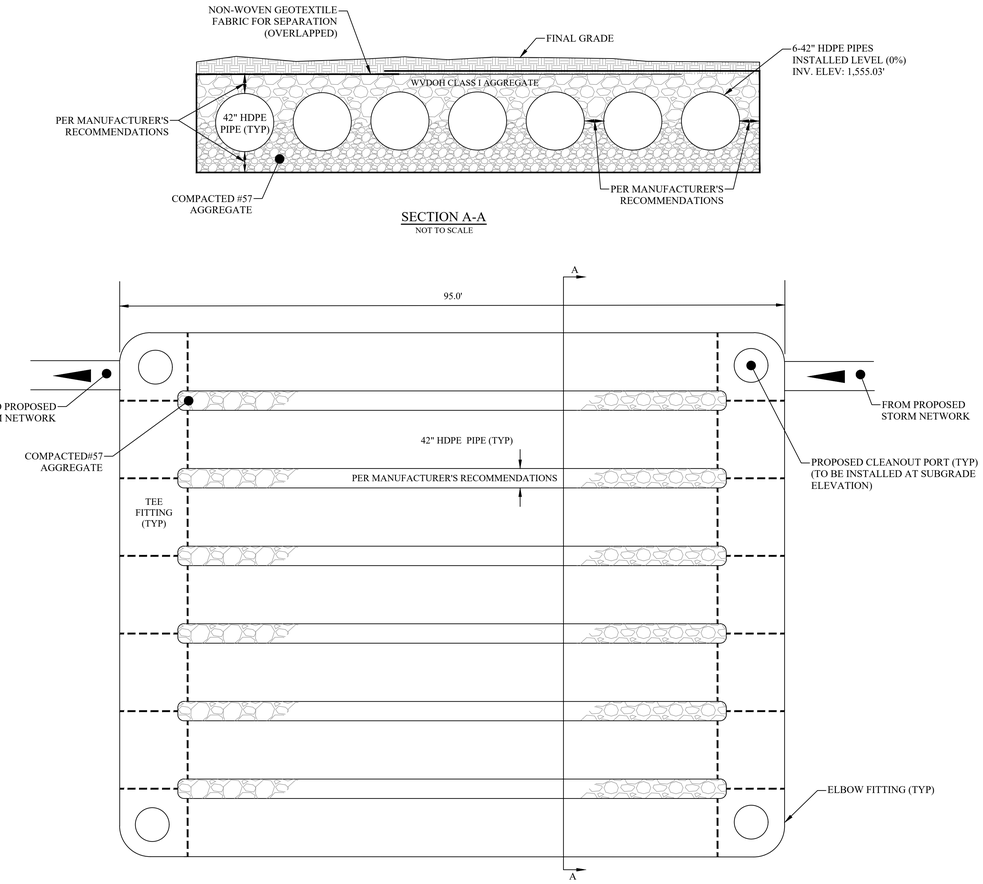
NOTES: 1, POST INDICATOR CONTROL VALVE WINDOWS SHALL BE VISIBLE FROM 10' AWAY AT ALL TIMES. IF WINDOWS BECOME DEFACED OR CRACKED REPLACE ON ANNUAL SPRINKLER INSPECTION OR TITLE 19 FIVE YEAR SERVICE
2. 36" OF UNOBSTRUCTED CLEARANCE SHALL BE TO ALL SIDES OF THE POST INDICATOR CONTROL VALVE ALL TIMES, UNLESS APPROVED BY FIRE AUTHORITY HAVING JURISDICTION



TYPICAL POST INDICATOR CONTROL VALVE DETAIL
NOT TO SCALE



STORMWATER BEDDING AND BACKFILL DETAIL
NOT TO SCALE



SECTION A-A
NOT TO SCALE

UNDERGROUND DETENTION SYSTEM
NOT TO SCALE

THRASHER
600 WHITE OAKS BLVD.
P.O. BOX 940
BRIDGEPORT, WV 26330
P (304) 624-4108
F (304) 624-7831
www.thethrashergroup.com

NO.	REVT	DATE	DESCRIPTION
3	TJM	10.06.2022	ADDENDUM 3 - RELOCATED UNDERGROUND DETENTION

ALDERSON ELEMENTARY SCHOOL
ADDITIONS AND RENOVATIONS
CONSTRUCTION DOCUMENTS - SBA SUBMISSION
MAY 18, 2022
ALDERSON, WEST VIRGINIA
GREENBRIER COUNTY SCHOOLS

DRAWN: TJM DATE: 05.05.2022
CHECKED: RBM DATE: 05.12.2022
APPROVED: KQB DATE: 05.18.2022

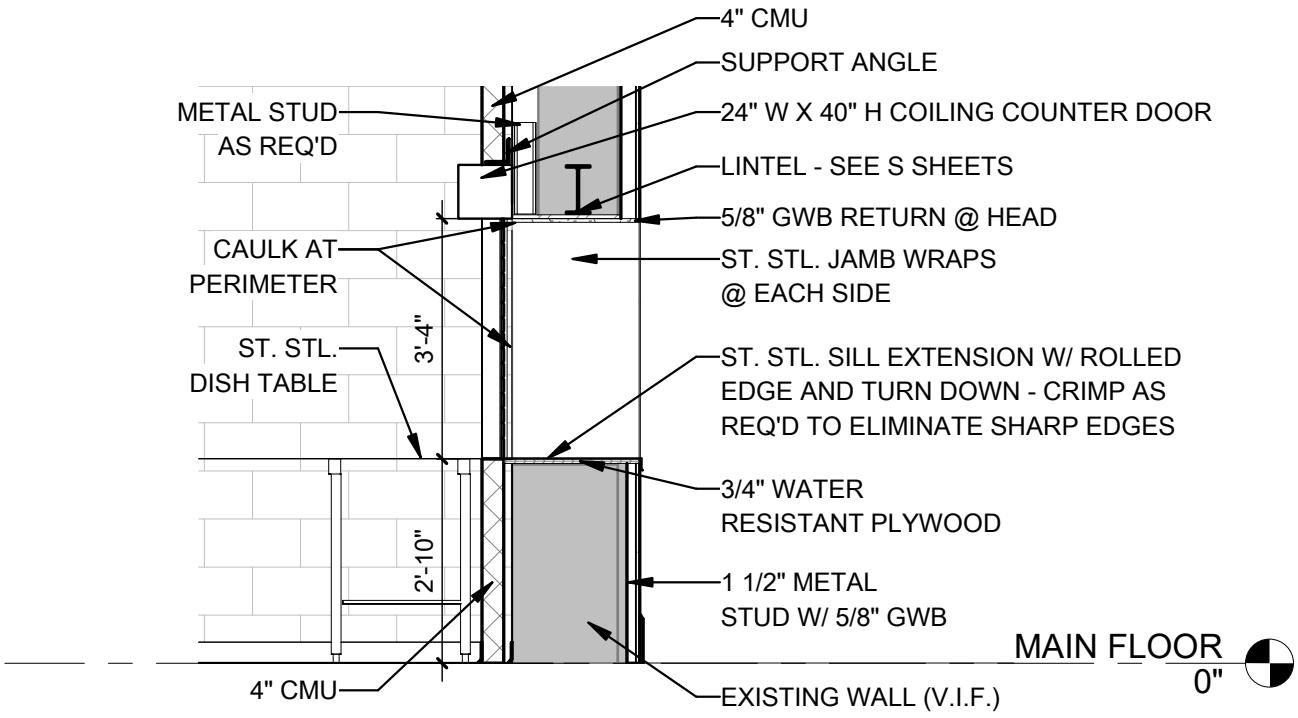
PROJECT No.

DETAILS

SHEET No.

C1.15

LAYOUT TAB: 10160-DETAILS
CAD FILE: I:\2021\2021-10160.00-GREENBRIER BOE - ALDERSON ELEMENTARY-GREENBRIER COUNTY BOARD OF EDUCATION-\DRAWINGS\CIVIL
PLOT DATE/TIME: October 11, 2022
USER: ----



1 COILING COUNTER DOOR DETAIL

ADD3-1 3/8" = 1'-0"

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THE THRASHER GROUP INC.
600 WHITE OAKS BOULEVARD, BRIDGEPORT, WV 26330
PHONE: (304)624-4108 FAX: (304)624-7831

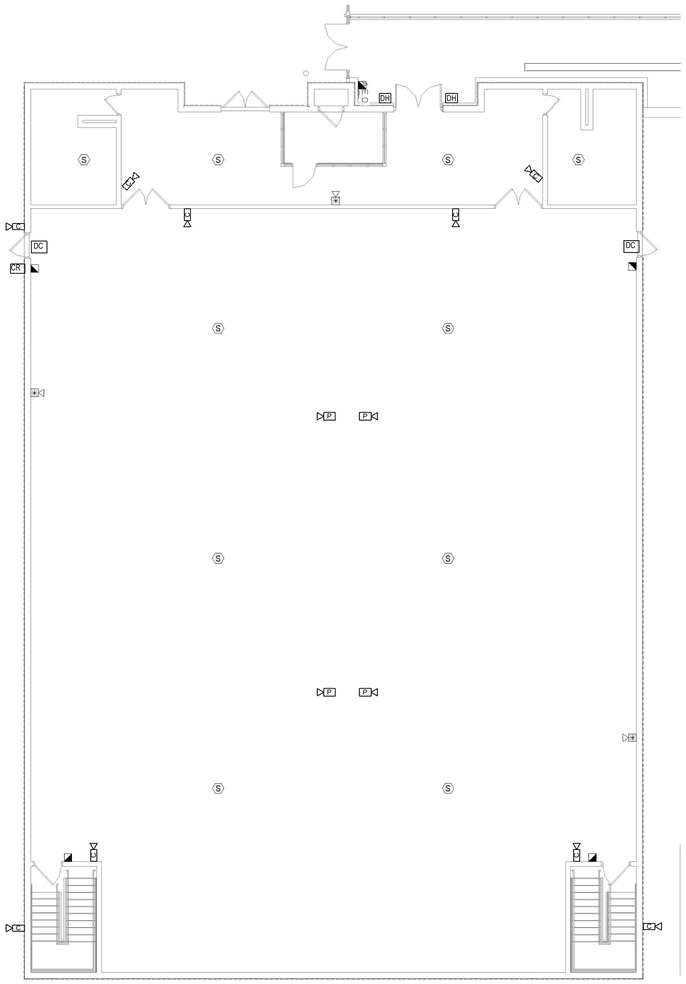
COILING COUNTER DOOR DETAIL
ALDERSON ELEMENTARY SCHOOL

DRAWN:	CHECKED:	APPROVED:	ISSUED DATE:
Author	Checker	Approver	10/10/22

ADDENDUM REFERENCE / NUMBER:
ADD. # 3
ADD3-1

GENERAL NOTES:

1. ACCESS CONTROL BY OTHERS. PROVIDE CONDUIT AND BOXES WITH PULL STRINGS TO ABOVE ACCESSIBLE CEILING.
2. CCTV BY OTHERS. PROVIDE CONDUIT, BOXES AND CAT 6 CABLES. ROUTE CABLES BACK TO DATA RACK. PROVIDE 8' OF SLACK FOR TERMINATION BY OTHERS.
3. INTERCOM MUST, INTERFACE WITH CISCO PHONE SYSTEM AND INFORMACAST SOFTWARE. COORDINATE EXACT REQUIREMENTS AND PROVIDE ALL COMPONENTS AND SOFTWARE AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
4. COORDINATE CABLE TRY ROUTING WITH OTHER TRADES PRIOR TO INSTALLATION.
5. COORDINATE DOOR CONTROLS WITH HARDWARE SPECIFICATIONS.



2 GYM SYSTEMS PLAN
E1.06R2 1/8" = 1'-0"

1 GROUND FLOOR SYSTEMS PLAN
E1.06R2 3/32" = 1'-0"

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www.thethrashergroup.com

Harper Engineering
52 B Street
St. Albans, WV 25177
phone.304.722.3602
fax.304.722.3603

NO.	BY	DATE	DESCRIPTION
		5/6/2022	FINAL COORDINATION

ALDERSON ELEMENTARY SCHOOL
ADDITIONS AND RENOVATIONS
CONSTRUCTION DOCUMENTS
SEPTEMBER 13, 2022
ALDERSON, WEST VIRGINIA
GREENBRIER COUNTY SCHOOLS

DRAWN: JCS DATE: 09/13/2022
CHECKED: JEH DATE: 09/13/2022
APPROVED: JEH DATE: 09/13/2022

PROJECT No.
Project Number

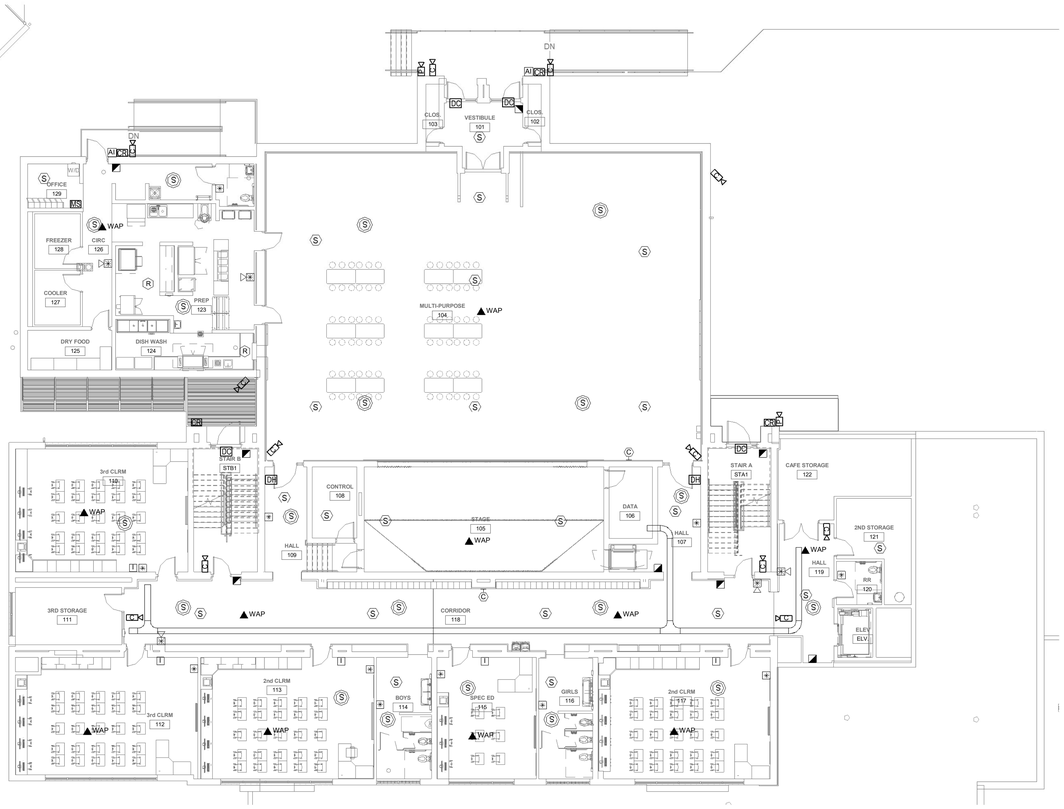
GROUND FLOOR SYSTEMS PLAN

SHEET No.
E1.06R2

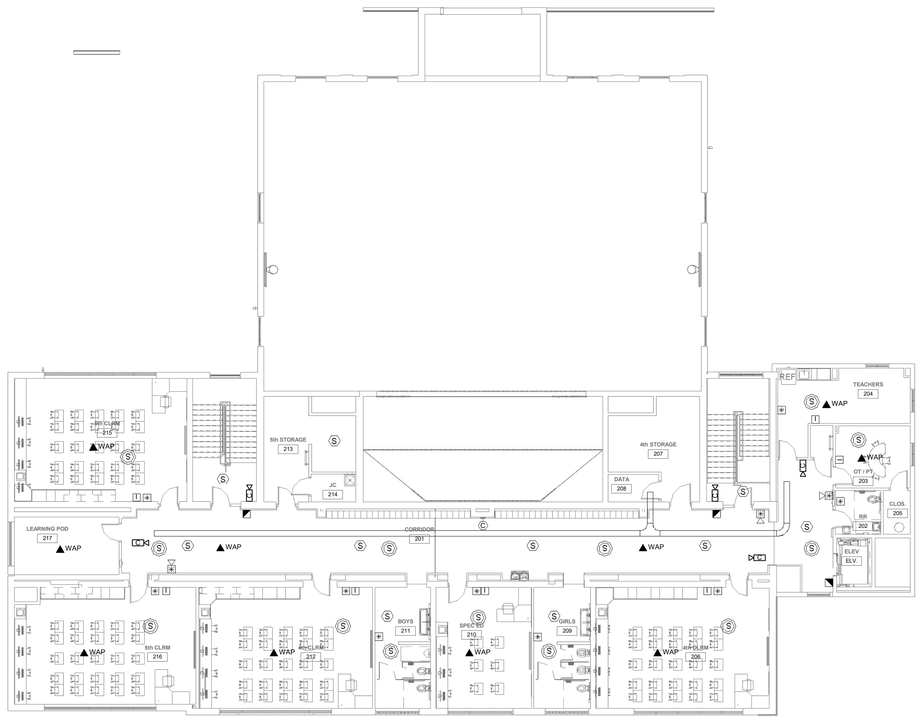
LAYOUT TAB: GROUND FLOOR SYSTEMS PLAN
CAD FILE: BIM 360://21063 Alderson Elementary School/21063 Alderson School MEP -21.rvt
PLOT DATE/TIME: 10/11/2022 3:17:53 PM
USER: JCS

GENERAL NOTES:

1. ACCESS CONTROL BY OTHERS. PROVIDE CONDUIT AND BOXES WITH PULL STRINGS TO ABOVE ACCESSIBLE CEILING.
2. CCTV BY OTHERS. PROVIDE CONDUIT, BOXES AND CAT 6 CABLES. ROUTE CABLES BACK TO DATA RACK. PROVIDE 8' OF SLACK FOR TERMINATION BY OTHERS.
3. INTERCOM MUST. INTERFACE WITH CISCO PHONE SYSTEM AND INFORMACAST SOFTWARE. COORDINATE EXACT REQUIREMENTS AND PROVIDE ALL COMPONENTS AND SOFTWARE AS REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM.
4. COORDINATE CABLE TRY ROUTING WITH OTHER TRADES PRIOR TO INSTALLATION.
5. COORDINATE DOOR CONTROLS WITH HARDWARE SPECIFICATIONS.



1 MAIN FLOOR SYSTEMS PLAN
E1.07R2 3/32" = 1'-0"



2 UPPER FLOOR SYSTEMS PLAN
E1.07R2 3/32" = 1'-0"

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Harper Engineering
52 B Street
St. Albans, WV 25177
phone.304.722.3602
fax.304.722.3603

NO.	BY	DATE	DESCRIPTION
		5/6/2022	FINAL COORDINATION

ALDERSON ELEMENTARY SCHOOL

ADDITIONS AND RENOVATIONS

CONSTRUCTION DOCUMENTS

SEPTEMBER 13, 2022
ALDERSON, WEST VIRGINIA
GREENBRIER COUNTY SCHOOLS

DRAWN: JCS DATE: 09/13/2022
CHECKED: JEH DATE: 09/13/2022
APPROVED: JEH DATE: 09/13/2022

PROJECT No.
Project Number

MAIN AND UPPER FLOOR SYSTEMS PLANS

SHEET No.

E1.07R2

LAYOUT TAB: MAIN AND UPPER FLOOR SYSTEMS PLANS
CAD FILE: I:\M 360\21095 Alderson Elementary School\21095 Alderson School MEP-21.rvt
PLOT DATE/TIME: 10/11/2022 3:18:16 PM
USER: JCS

RISER NOTES:

(A.) PROVIDE 3P/50A BREAKER IN PANEL HK FOR TRASH COMPACTOR. USE 1" CONDUIT WIT (3)-#8, #10 GND.

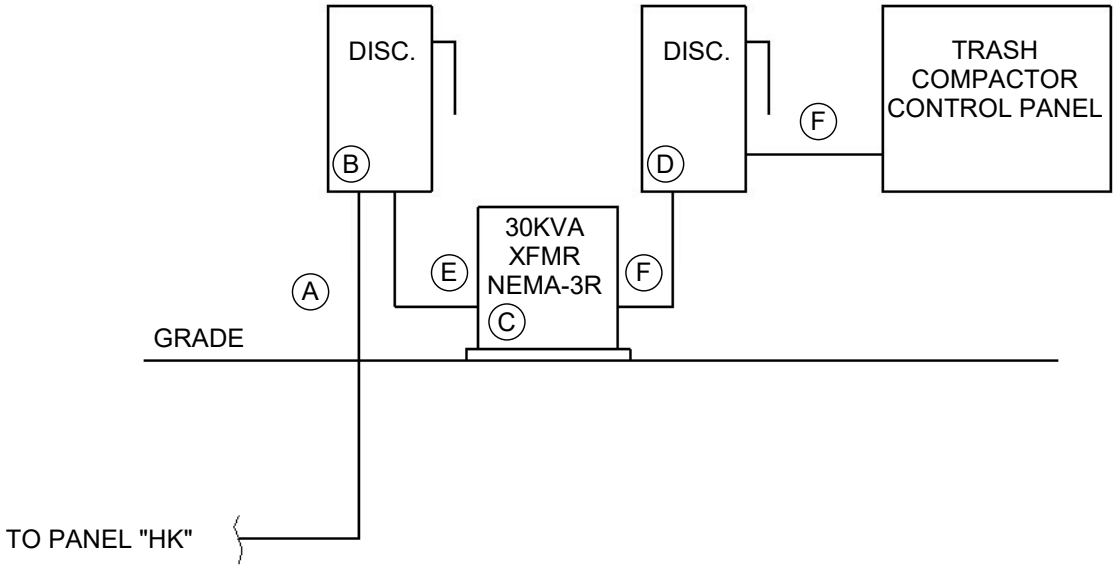
(B.) 3P/60A, 480V, NEMA-3R FUSED DISCONNECT SWITCH. FUSED AT 50A.

(C.) 30KVA, 3-PHASE, DRY TYPE TRANSFORMER, NEMA 3R, 480V TO 120/240V.

(D.) 3P/100A, 240V, NEMA-3R FUSED DISCONNECT SWITCH. FUSED AT 80A.

(E.) 3/4" CONDUIT WIT (3)-#8, #10 GND.

(F.) 1 1/4" CONDUIT WITH (3)-#4, #8 GND.



TRASH COMPACTOR RISER

NOT TO SCALE

CONTRACTOR TO PROVIDE SUPPORTS AS REQUIRED

CONSTRUCTION DOCUMENTS

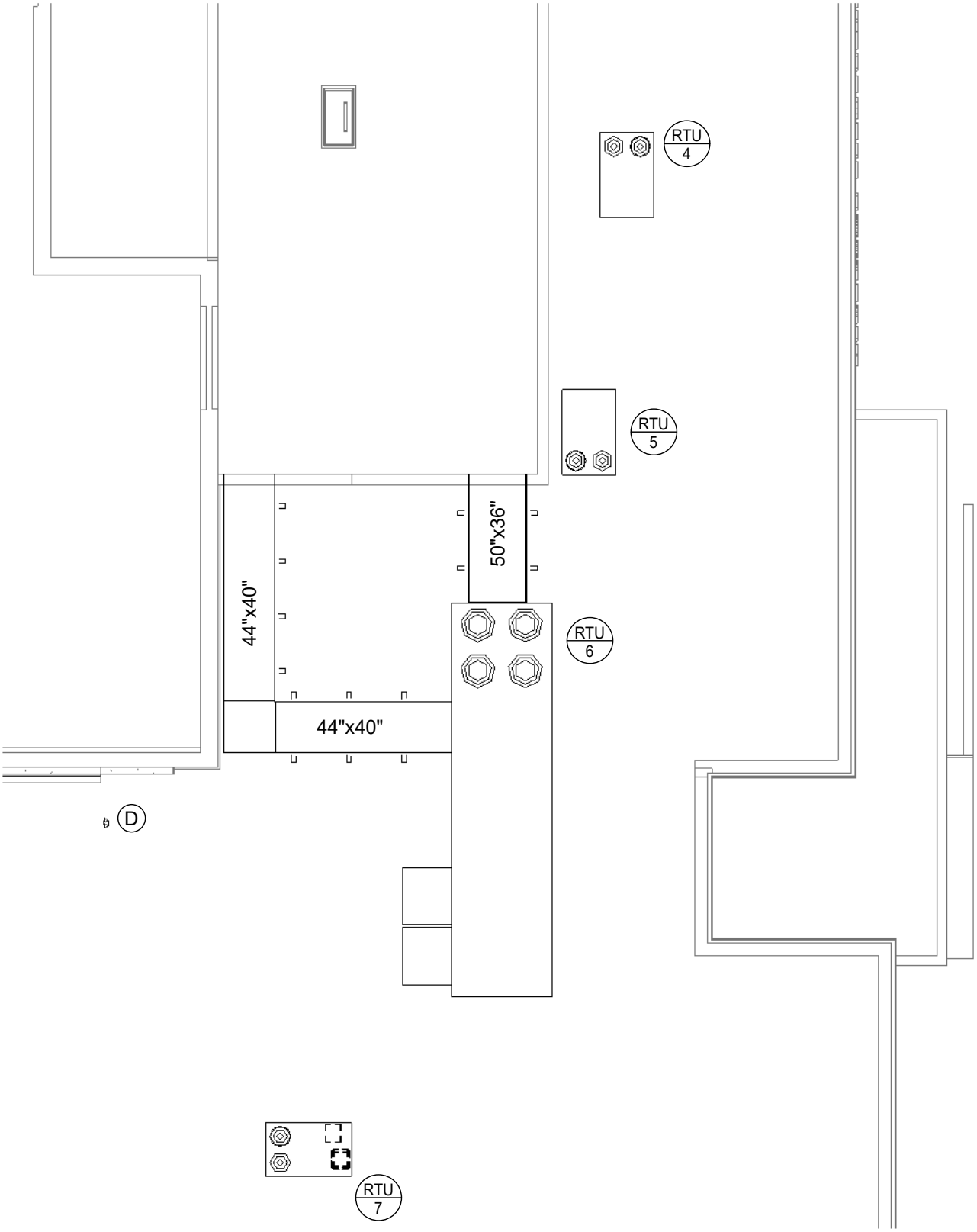
ALDERSON ELEMENTARY SCHOOL

ALDERSON, WEST VIRGINIA
GREENBRIER COUNTY SCHOOLS

Harper Engineering
52 B Street
St Albans, WV 25177
p. 304.722.3602 f. 304.722.3603

SK-E8

Date: 10-11-2022



Partial Roof Plan

CONSTRUCTION DOCUMENTS

ALDERSON ELEMENTARY SCHOOL

ALDERSON, WEST VIRGINIA
GREENBRIER COUNTY SCHOOLS

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St Albans, WV 25177
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SK-M1

Date: 10/12/2022