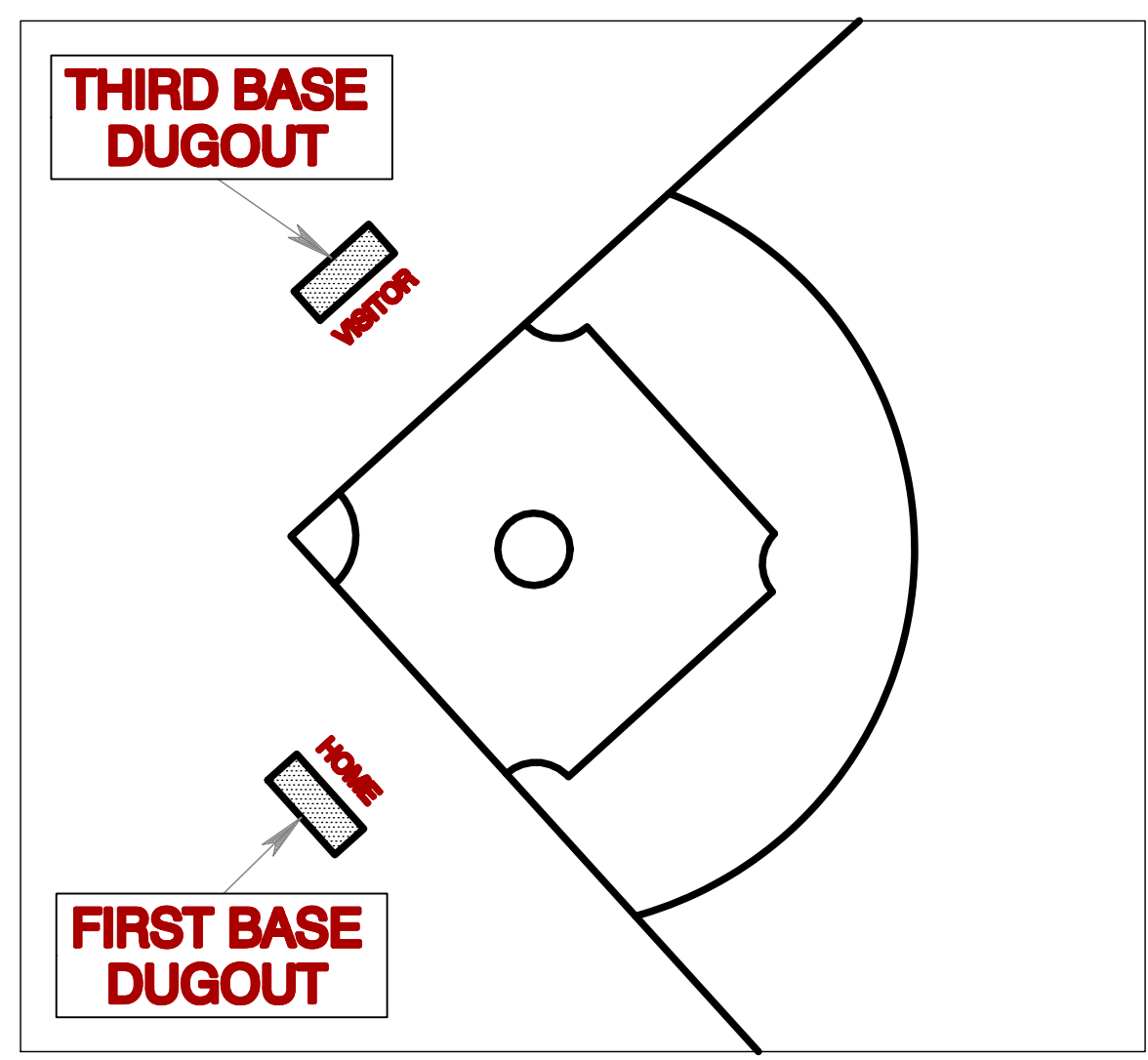
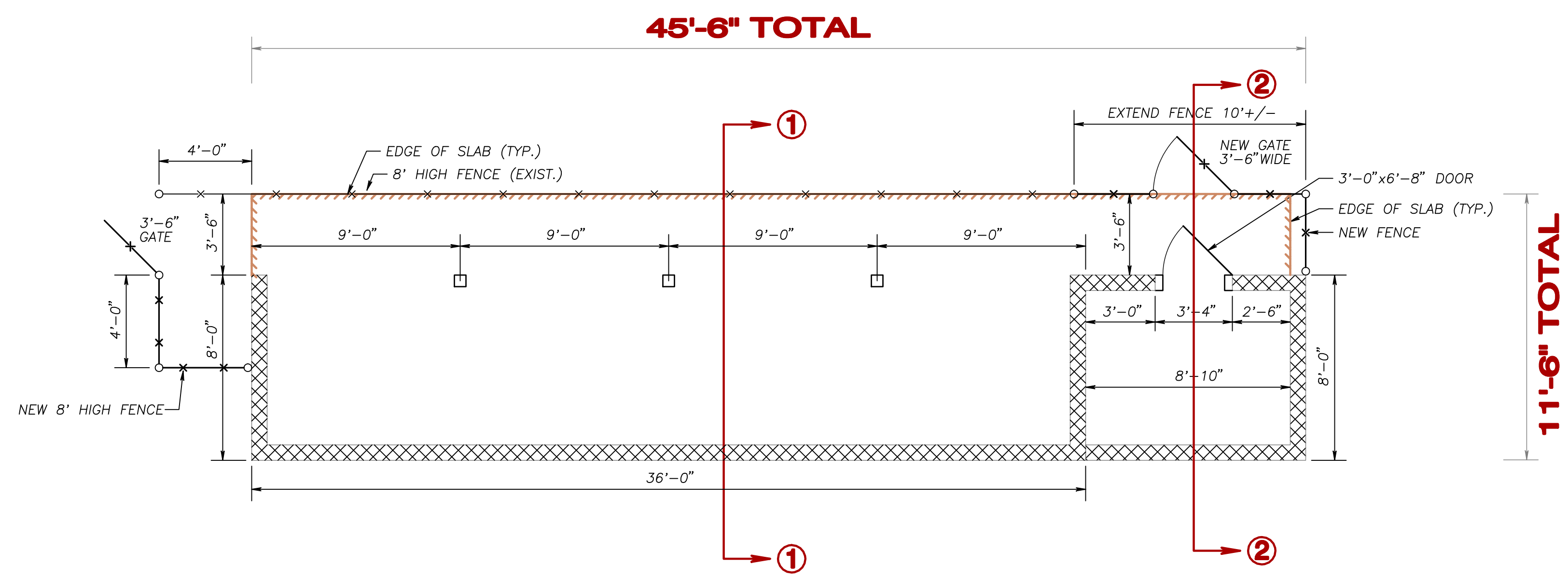


THIRD BASE DUGOUT – SOFTBALL
SCALE: 1/4" = 1'-0"



SCHEMATIC LAYOUT – SOFTBALL
NOT TO SCALE



FIRST BASE DUGOUT – SOFTBALL
SCALE: 1/4" = 1'-0"

BASEBALL FIELD (SHEET 1)

SOFTBALL FIELD (THIS SHEET)



NOTE: ALL LOCATIONS OF EXISTING UTILITIES SHOWN ON THIS PLAN HAVE BEEN DEVELOPED FROM EXISTING UTILITY RECORDS AND/OR ABOVE GROUND EXAMINATION OF THE SITE. COMPLETENESS OR ACCURACY OF LOCATION AND DEPTH OF UNDERGROUND UTILITIES OR STRUCTURES CANNOT BE GUARANTEED. CONTRACTOR MUST VERIFY LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES AND FACILITIES BEFORE START OF WORK PER PENNSYLVANIA ACT 287 OF 1974 AS AMENDED BY ACT 199 OF 2004. SERIAL #

SOFTBALL DUGOUTS PLAN VIEW

BASEBALL & SOFTBALL DUGOUT PLANS
FOR
WALLINGFORD-SWARTHMORE SCHOOL DISTRICT
200 S. PROVIDENCE ROAD, WALLINGFORD, PA 19086
THE WALLINGFORD-SWARTHMORE SCHOOL DISTRICT
NETHER PROVIDENCE TOWNSHIP DELAWARE COUNTY, PA

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1	12/15/2023	ISSUE FOR BID	APPROVED
DRAWN BY: JUS SCALE: 1/4" = 1'-0" DWG. NAME: SHHS_Dugouts			

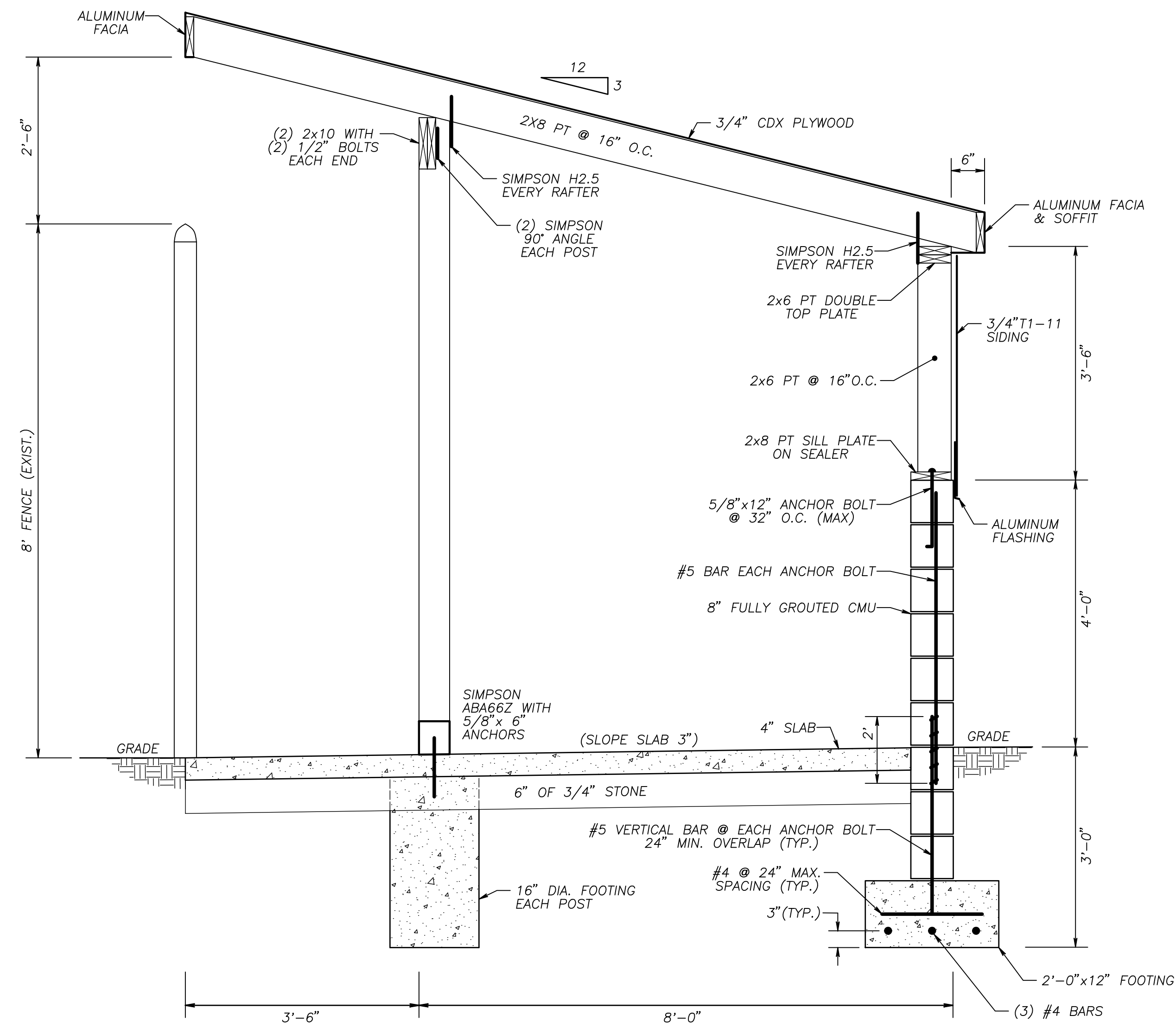
W-23-W2743
JOB NO: -06
SHEET
2 OF 6

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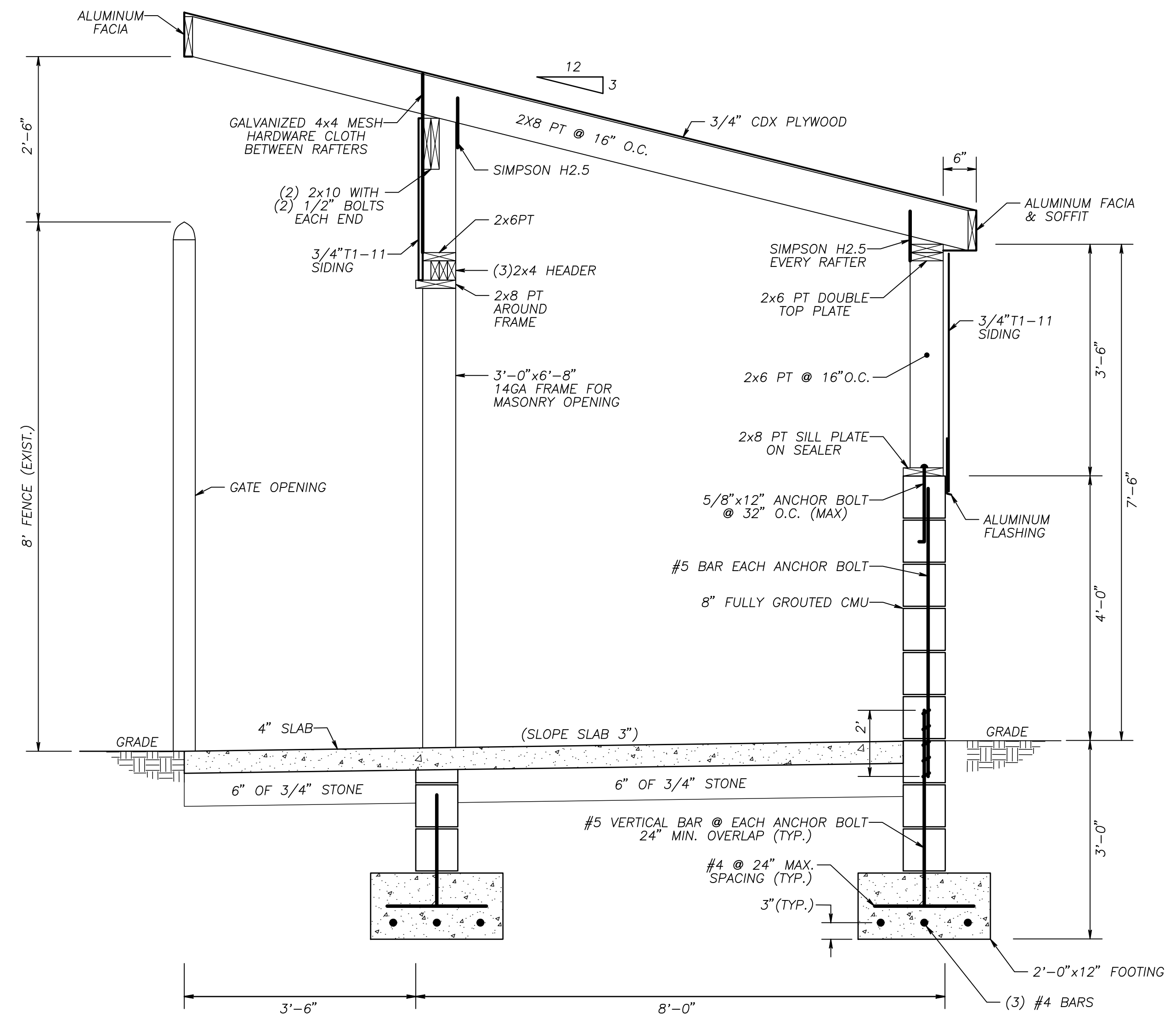
1/25/2024 : W:\W-23 = 4306\W-23-2743 - Cirilli Assoc Projects 2023\W-23-2743-06 - SHHS Ballfield Dugouts\SHHS Dugouts.pro

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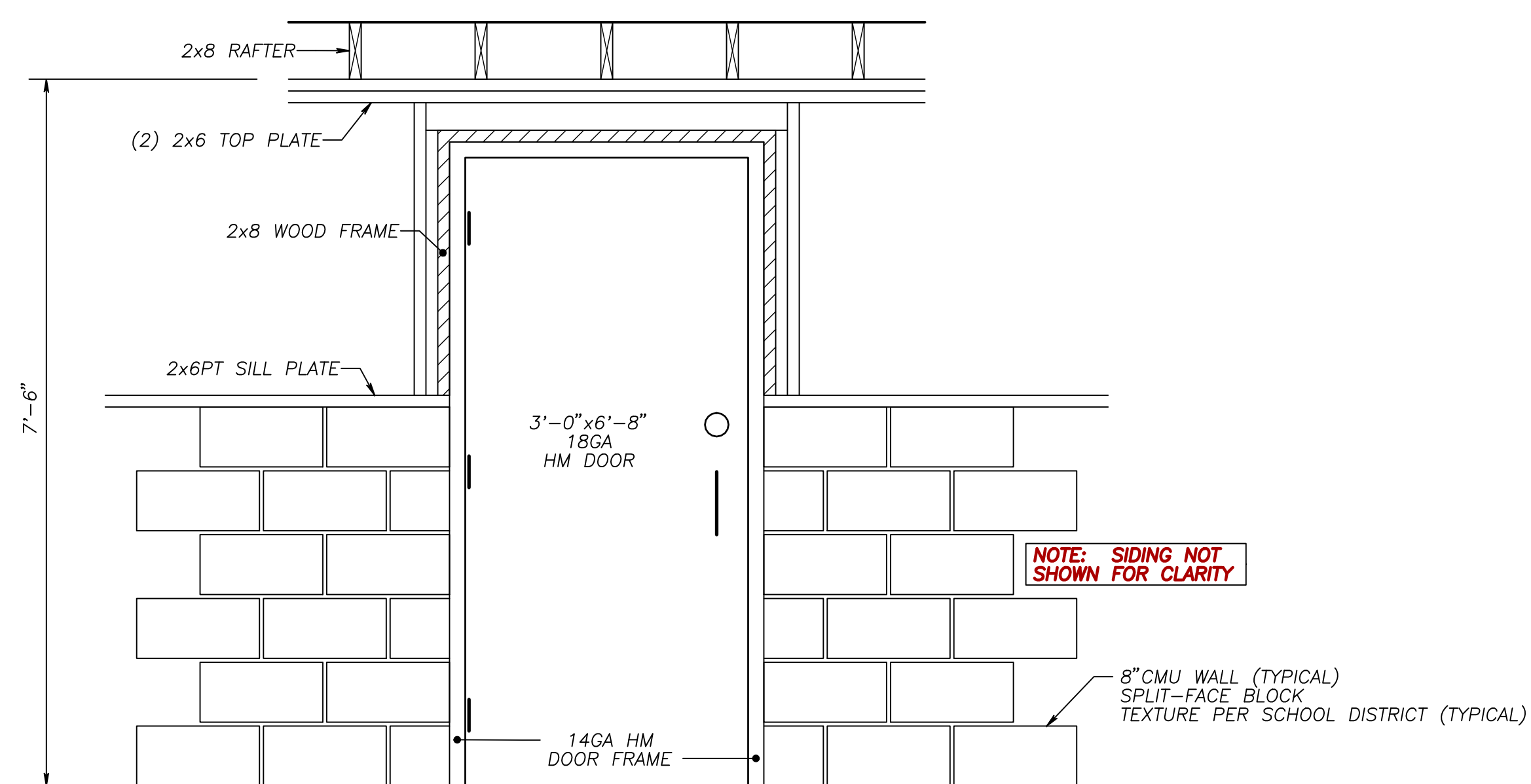
SECTION 1 - 1

SCALE: 3/4" = 1'-0"



SECTION 2 - 2 (STORAGE ROOM)

SCALE: 3/4" = 1'-0"



STORAGE ROOM DOOR ELEVATION

SCALE: 3/4" = 1'-0"

BASEBALL & SOFTBALL DUGOUT CONSTRUCTION DETAILS

BASEBALL & SOFTBALL DUGOUT PLANS

FOR

WALLINGFORD-SWARTHMORE SCHOOL DISTRICT
200 S. PROVIDENCE ROAD, WALLINGFORD, PA 19086
THE WALLINGFORD-SWARTHMORE SCHOOL DISTRICT

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DELAWARE COUNTY, PA

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CHK'D BY: N.C./F.P.	DATE: 12/5/2023	JOB NO: W-23-W2743-06	SHEET 3 OF 6
DRAWN BY: JJS	SCALE: 3/4" = 1'-0"	DWG. NAME: SHHS_Dugouts	

CONSTRUCTION SPECIFICATIONS

General

- These drawings are schematic in nature and do not detail all work which must be performed. **The Contractor is required to check all dimensions and quantities of the Plans or schedules** given to them by the Engineer and shall notify the Engineer of all errors, omissions, conflicts, and discrepancies found therein which may be discovered by examining and checking the Plans.
- Prices proposed shall include all ancillary items of work whether indicated on the plans and specifications or not, including coordination of work with ongoing activities at the facility and preventing damage or disturbance to portions of the facility outside the immediate work area.
- All work related to staging, construction practices and safety of the project's workers and property shall be considered means and methods and shall be the contractor's sole responsibility. Visits to the site by the engineer are for the review of work for general conformance with the drawings and specifications. Engineer is not reviewing or responsible for details of construction or project safety and means of methods of construction.
- Contractors must comply with all state and federal OSHA safety regulations.
- When discrepancies in specifications and drawings occur, the more conservative shall prevail. Engineer shall be notified of any discrepancy in the specification and/or drawings.

Site-work - see Sheets 5 & 6 of 6

- Existing concrete pads and benches located at each dugout location shall be removed and disposed of properly. Area should be filled and covered with a 4" layer of screened top soil.
- Existing swale behind third base line of baseball field shall be relocated around the new dugout. General shape and grade of swale shall be maintained or improved.

Foundations/concrete

- All excavated material shall be properly disposed of off-site. On site soil piles will not be permitted.
- Bottom of all footings shall be a minimum 3ft below finish grade or top of slab elevation, whichever is lower.
- Bottom of footing/slab sub-grade shall be inspected by the engineer before pouring concrete to verify that the soil is capable of safely bearing 2000psf.
- All concrete work shall comply with the latest editions of ACI 318/ ACI SP-66/ ACI 301.
- Galvanized anchor bolts shall be 5/8" diameter by 12" long embedded in poured concrete and grouted in unit masonry. Minimum two (2) bolts per section of plate a maximum of 12" from each end with intermediate bolts at 32" O.C. max.
- All concrete must be a 4,000 psi @ 28 days minimum, unless noted on drawings.
- All reinforcing shall be ASTM A615 Grade 60. Lap all bars a minimum of 48 bar diameters unless otherwise noted on the drawings.
- All slabs shall have WWF. All WWF shall be ASTM A185. Lap all WWF a minimum of 6 inches and set at mid-point of slab. Reinforcing to be 6x6 w2.1 x w2.1 unless noted otherwise on drawings.
- All slabs should have 1/4" by 1" deep control joints installed both long way and short way at each post.
- Joint between CMU wall and slab shall have 1/2" closed cell foam full depth of slab.

Masonry

- CMU masonry units shall be ASTM C90 hollow units (fully grouted full height). Units shall have minimum compressive strength of 1,900PSI. Units to be **split face block** matching snack bar color. Lay all masonry in a full bed of mortar. Construct column piers integrally with foundation and above grade walls. Continue reinforcing through piers and grout all piers and pilasters fully.
- All mortar to be Portland cement/lime conforming to ASTM C270 Type S with a minimum compressive strength of 1,900PSI. Grout to be a high slump mix in accordance with ASTM specification C476 having a minimum compressive strength of 3,000PSI.
- All concrete masonry shall be constructed in accordance with the building code requirements in latest edition of ACI 530/ASCE 5/TMS 402 and specifications of ACI 530.1/ASCE 6/ TMS 602.
- Provide hot dipped galvanized truss type horizontal joint reinforcement, minimum 9ga at 16 inch on center vertical in all masonry walls. Install full height vertical reinforcing (#5 bar at each anchor bolt and column).

Wood framing

- All wood construction shall be in accordance with the latest IBC and the American Forest Products Association "National Design Specification for Wood Construction". All structural lumber shall be stamped in accordance with the AITC "Construction Manual".
- Roof rafters to have anchors to prevent uplift (minimum 200 lbs. each).
- All structural lumber to be pressure treated #2 SYP (minimum) stress grade lumber, having a minimum allowable bending stress of 1,500 psi, minimum allowable shear stress of 175 psi, and minimum modulus of elasticity of 1,600,000 psi. Lumber shall be pressure treated in accordance with the AWP or Federal Specification TT-W-571.
- Pine lumber used for fascia and soffit shall not be finger jointed. Prime all surfaces of dimensional pine lumber before installation (See paint section for product).
- Wall sheathing should be Plytanium T1-11 rough sawn plywood. Thickness 0.578". Prime both sides of panels before installation (See paint section for product). Nail using 8d nails at 4" O.C. top and bottom; 6" O.C. along vertical edges; 12" O.C. elsewhere.
- Plywood roof deck sheathing shall be APA Rated structural I panels, conforming to the following: 3/4" thick, Exterior Grade-APA Rated. Nailing; 8d nails @ 6" O.C. all edges; 12" O.C. elsewhere.
- Use heavy duty hot dipped galvanized hangers by Simpson Strong Tie Co. (or engineer approved equal) at all connections and post bases. Follow manufacturer's recommendations for fastener size and quantity.
- Bottom plate for walls shall have Owens Corning foam seal gasket or approved equal.
- Fascia and trim to be 22/23 ga (0.024) nominal pre-finished material (color to be chosen by WSSD).

Roofing

- Drip edge to be Amerimax F5 or equal shaped aluminum. (Color to be chosen by WSSD).
- Roof underlayment to be Owens Corning Deck defense High-Performance Synthetic underlayment or approved equal. Overlap underlayment at least 1/2 width due to low roof slope. Note: Self adhered Ice & Water barrier installed per manufacturer recommendations is an acceptable alternate.
- Shingles to be Owens Corning Duration dimension shingles or approved equal. Each shingle to have six 1 1/2 inch nails (no staples).

Personnel Doors

- Design specification is generic. Manufacturer must be SDI certified.
- Doors shall be 1 3/4" thick 18ga factory primed steel with polystyrene foam core. Door to have top/bottom channels with filler cap; Factory reinforced hinge, closer, and deadbolt prep.
- Frame to be 14ga M series (masonry) primed; 6 3/4" jamb depth and 2 " faces; Closer reinforced; Dimpled for flat head anchors/screws; prepped for deadbolt and hinges; button silencers.
- Hinges to be 4" NRP BB; prime finish.
- Door to have Hager 4" by 16" push/pull plates. Aluminum finish.
- Door to have single cylinder deadbolt with Best Locks construction core.
- Door opening to have flat threshold.
- Door to have brush type door sweep.

Painting (Colors to be chosen by WSSD)

- T1-11 siding to have Prime coat multipurpose interior/exterior primer inside and outside prior to install. Top coat exterior with Latitude Exterior Acrylic Latex.
- Concealed trim to have prime coat all surfaces prior to install.
- Doors and frames to have prime coat multipurpose interior/exterior primer and two coats Emerald Urethane Trim Enamel.

Fencing

- Fence and gates to be 8ft high.
- Galvanized chain link fence fabric to match existing 8ft high barrier.
- Corner posts and gate post to match end posts of 8ft high barrier.
- Concrete footings to be 12" diameter by 3ft deep with crowned top surface.
- Gate framing to have welded corners and mid rail. Comply with ASTM F 900.
- Hardware
 - Hinges to be 180 degree swing as noted on drawings.
 - Latches to permit operation from both sides of gate with provision for padlocking accessible from both sides of gate.

BASEBALL & SOFTBALL DUGOUT NOTES

BASEBALL & SOFTBALL DUGOUT PLANS

FOR

WALLINGFORD-SWARTHMORE SCHOOL DISTRICT
200 S. PROVIDENCE ROAD, WALLINGFORD, PA 19086
THE WALLINGFORD-SWARTHMORE SCHOOL DISTRICT

NETHER PROVIDENCE TOWNSHIP

DELAWARE COUNTY, PA

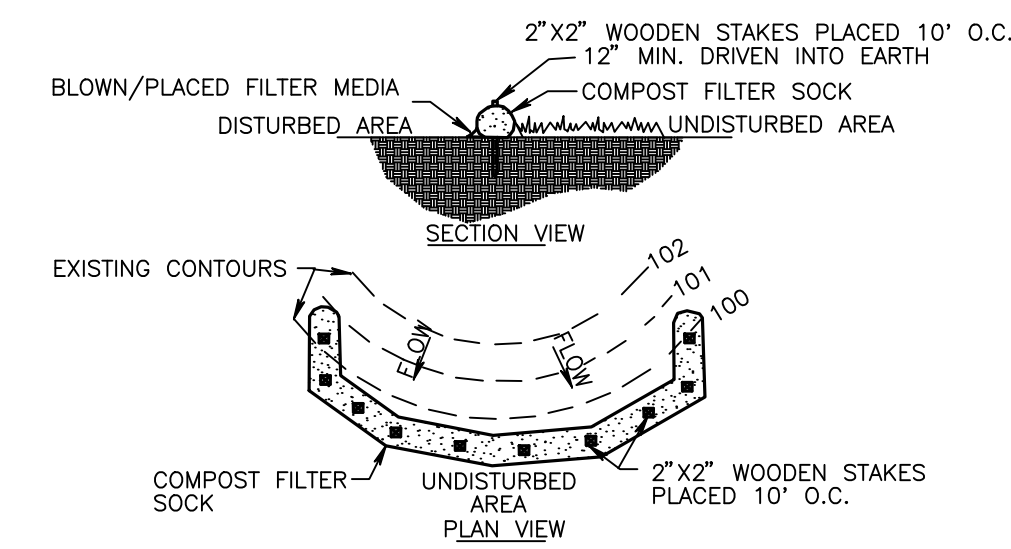
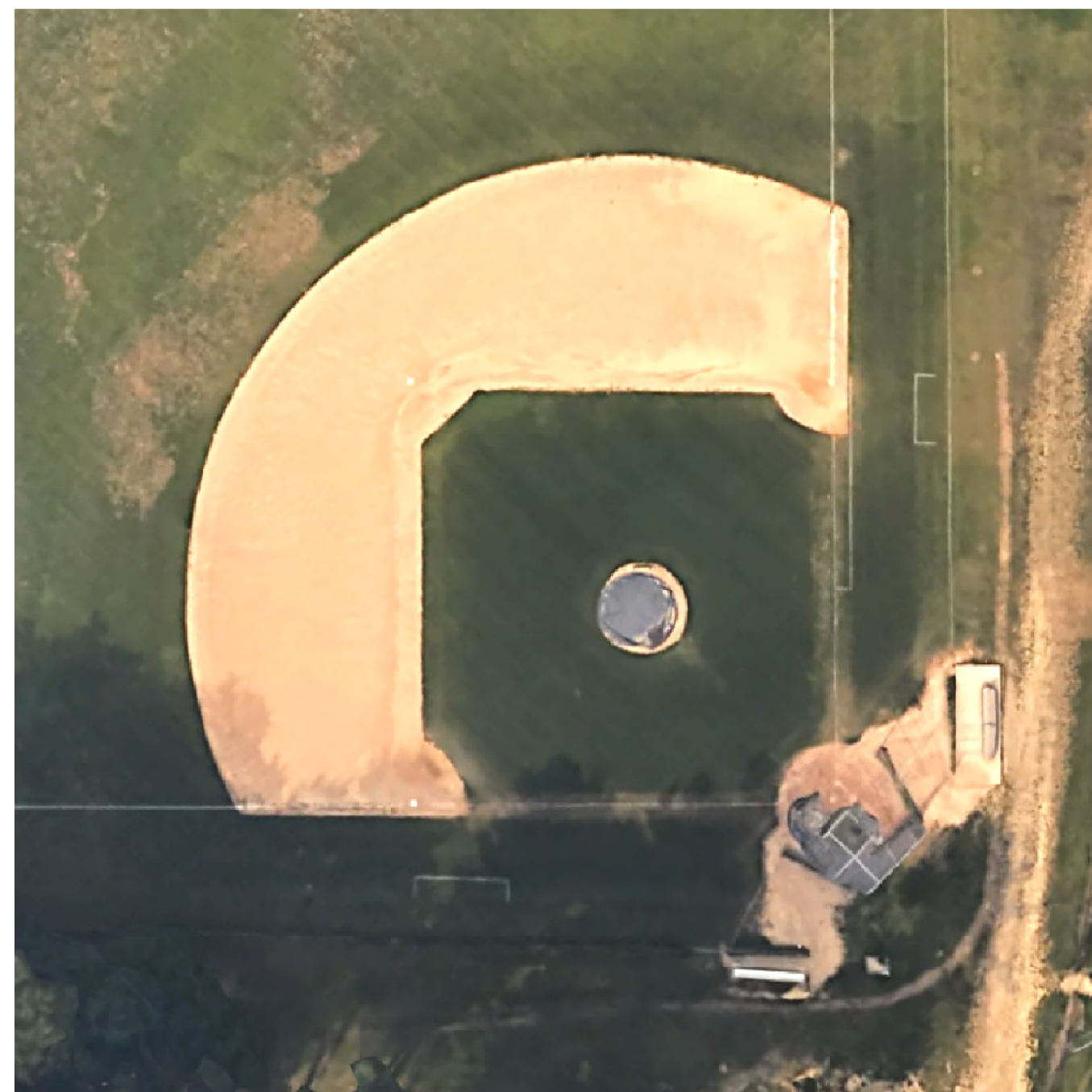
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CHK'D BY: N.C./F.P.	DATE: 12/5/2023	JOB NO: W-23-W2743-06	SHEET
DRAWN BY: JJS	SCALE: NO SCALE	DWG. NAME: SHHS_Dugouts	4 OF 6



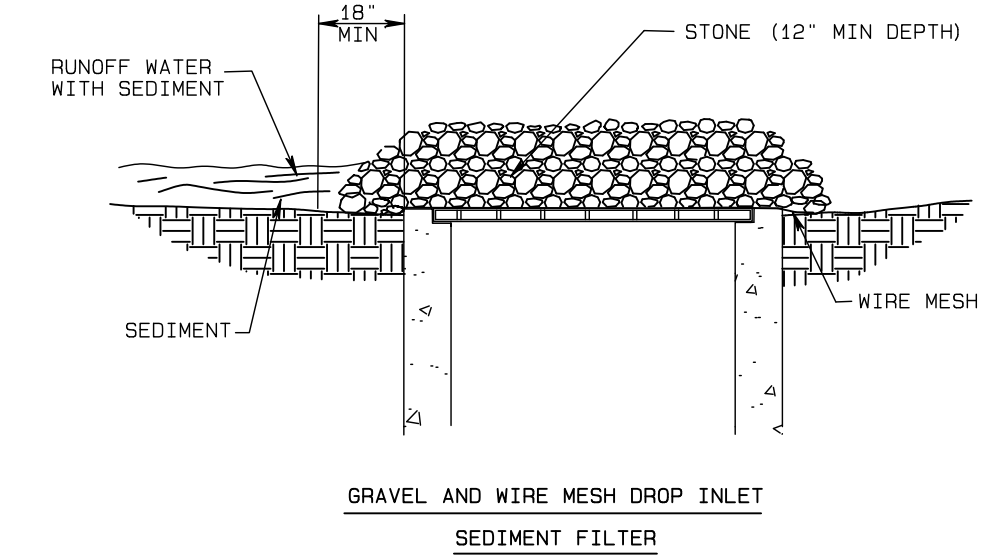
COMPOST SHALL MEET THE FOLLOWING STANDARDS

ORGANIC MATTER CONTENT	80% - 100% (DRY WEIGHT BASIS)
ORGANIC PORTION	FIBROUS AND CLOGGATED
pH	5.5-8.0
MOISTURE CONTENT	35%-55%
PARTICLE SIZE	98% PASS THROUGH 1" SCREEN
SOLUBLE SALT CONCENTRATION	5.0% MAXIMUM

Compost Filter Sock shall be placed at existing level grade. Both ends of the sock shall be extended at least 8 feet up slope at 45 degrees to the main sock alignment. Maximum slope length above any sock shall not exceed standard specifications. Traffic shall not be permitted to cross filter socks. Accumulated Sediment shall be removed when it reaches the sock diameter above ground height of the sock and disposed in the manner described elsewhere in the plan. Socks shall be inspected weekly and after each runoff event. Damaged socks shall be repaired according to manufacturer's specifications or replaced within 24 hours of inspection. Biodegradable filter sock shall be replaced after 6 months; photodegradable socks after 1 year. Polypropylene socks shall be replaced according to manufacturer's recommendations. Upon stabilization of the area tributary to the sock, stakes shall be removed. The sock may be left in place and vegetated or removed. In the latter case, the mesh shall be cut open and the mulch spread as a soil supplement.

COMPOST FILTER SOCK DETAIL

NOT TO SCALE



SPECIFIC APPLICATION

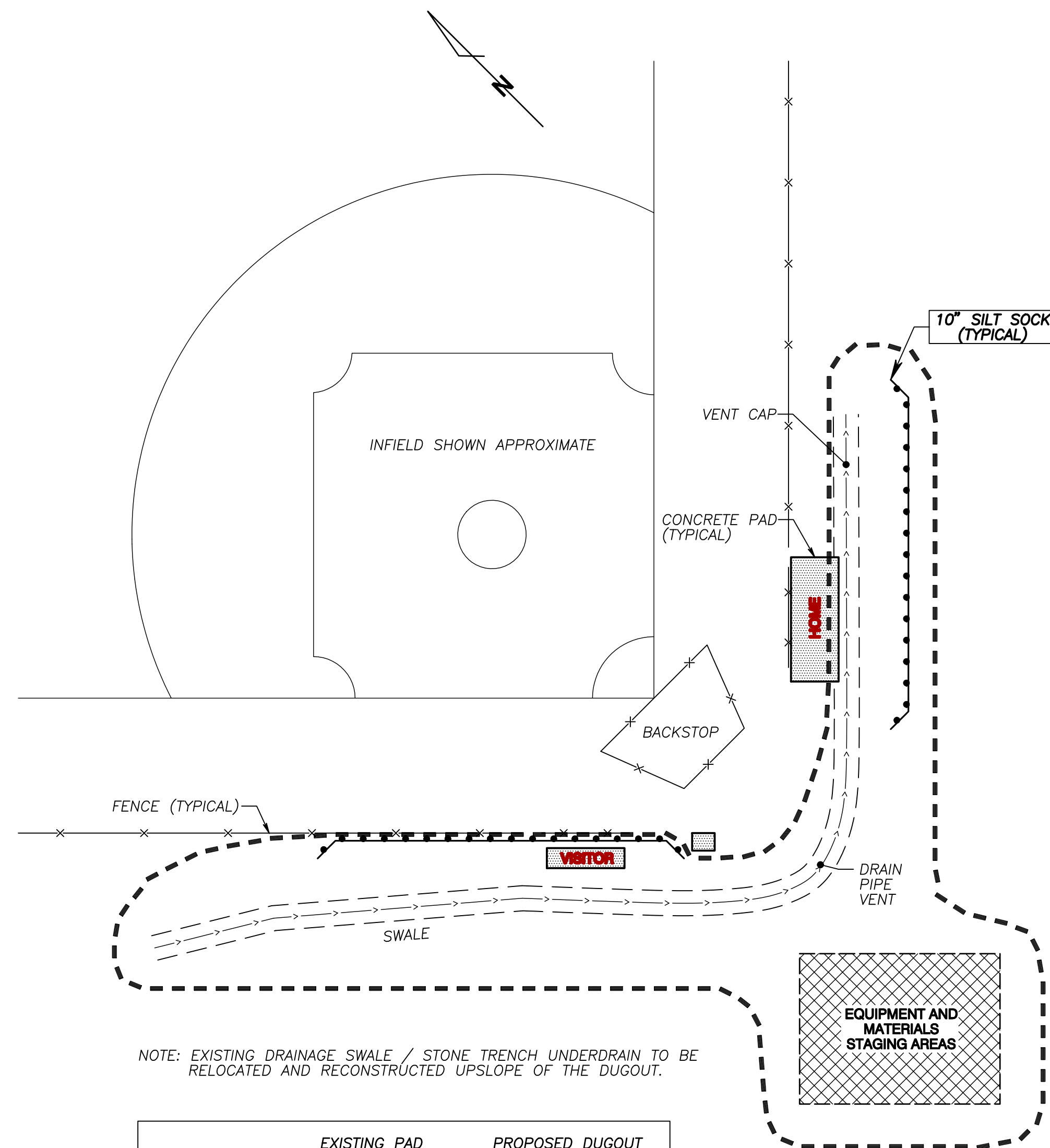
flows are expected, but not where ponding around the structure might cause excessive inconvenience or damage to adjacent structures or unprotected areas.

NOTES:

- Wire mesh shall be laid over the drop inlet so that the wire extends a minimum of 1 foot beyond each side of the inlet structure. Hardware cloth or comparable wire mesh with 1/2" openings shall be used. If more than one strip of mesh is used, the strips shall overlap.
- AASHTO #57 aggregate shall be placed over the wire mesh as indicated. The depth of the stone shall be at least 12" over the entire inlet opening. The stone shall extend at least 18" beyond the inlet opening on all sides.
- If the stone filter becomes clogged with sediment such that it no longer performs adequately, the stone shall be removed, cleaned and replaced.
- This method of inlet protection is applicable where the inlet frame and grate have been installed.

TEMPORARY INLET PROTECTION

NOT TO SCALE

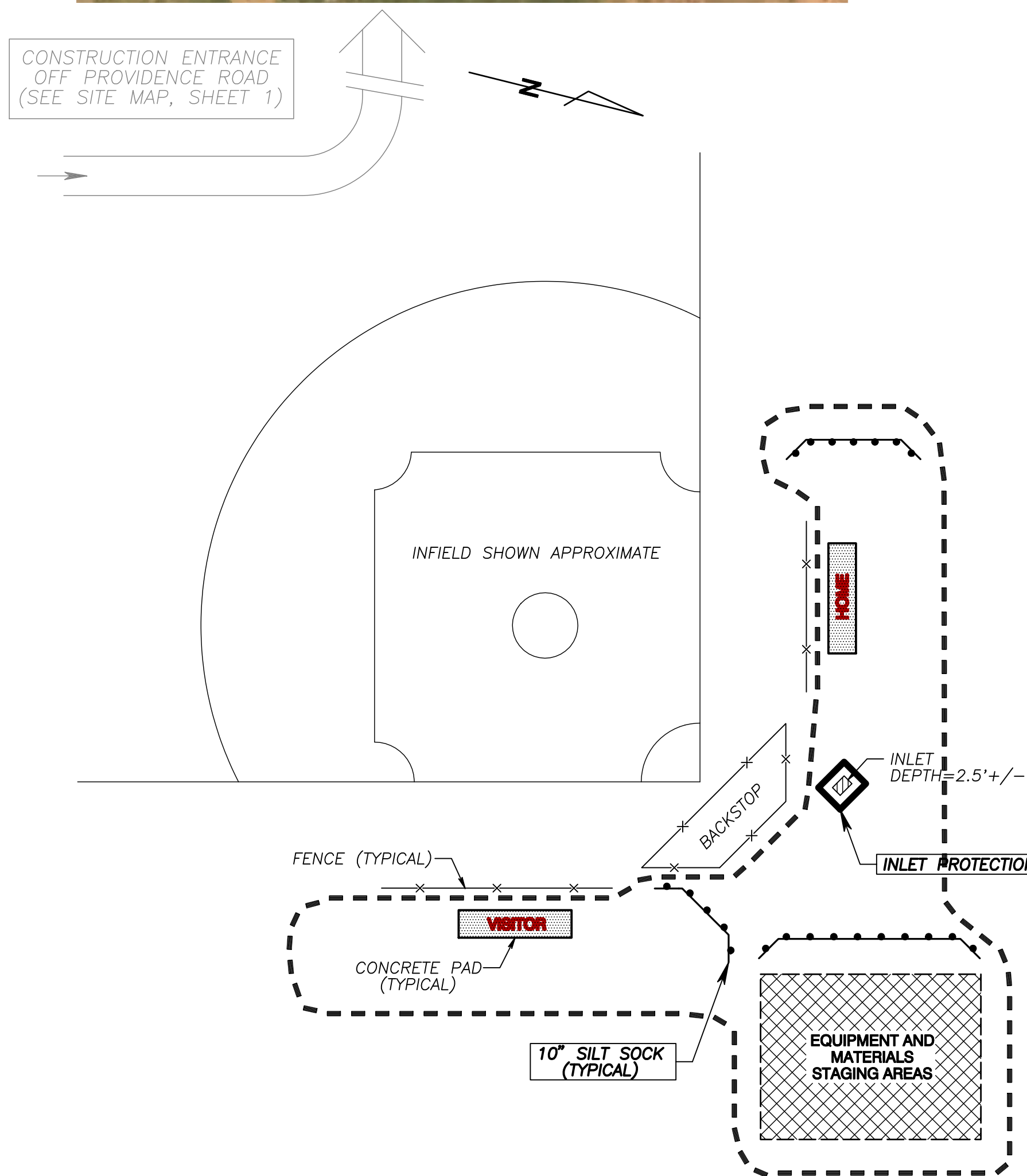


NOTE: EXISTING DRAINAGE SWALE / STONE TRENCH UNDERDRAIN TO BE RELOCATED AND RECONSTRUCTED UPSLOPE OF THE DUGOUT.

	EXISTING PAD	PROPOSED DUGOUT
1st BASE (HOME)	235.60 SF	523.25 SF (+287.65 SF)
3rd BASE (VISITOR)	62.00 SF	414.00 SF (+352.00 SF)

SCHMATIC - BASEBALL

SCALE: 1" = 20'



	EXISTING PAD	PROPOSED DUGOUT
1st BASE (HOME)	100.00 SF	523.25 SF (+423.25 SF)
3rd BASE (VISITOR)	102.50 SF	414.00 SF (+311.50 SF)

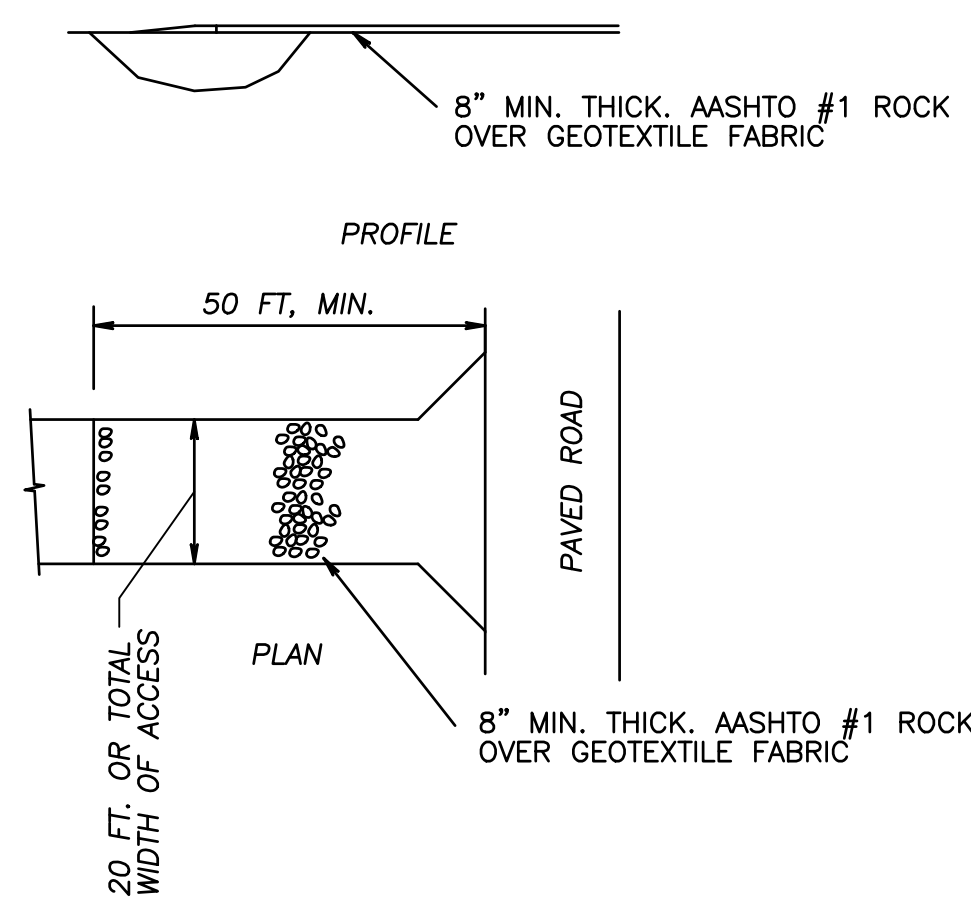
SCHMATIC - SOFTBALL

SCALE: 1" = 20'

IMPORTANT:

CONSTRUCTION ENTRANCE NOTE

IN LIEU OF A STONE CONSTRUCTION ENTRANCE, ALL MUD AND SEDIMENT MUST BE REMOVED FROM CONSTRUCTION VEHICLES PRIOR TO THEIR ENTRANCE ONTO DRIVEWAYS AND STREETS ADJOINING THE PROJECT AREA. ADJOINING PAVED AREAS SHALL BE SWEEPED TO REMOVE ANY TRACKED MUD AND SEDIMENT. IF SWEEPING PROVES INSUFFICIENT, AS DETERMINED BY THE SCHOOL REPRESENTATIVE, THEN A STONE CONSTRUCTION ENTRANCE 10 FEET IN WIDTH BY 25 FEET IN LENGTH SHALL BE INSTALLED IN ACCORDANCE WITH THE CONSTRUCTION ENTRANCE DETAIL AND PADEP GUIDELINES.



CONSTRUCTION ENTRANCE TIRE CLEANER

NOT TO SCALE

E&S LEGEND

10" SILT SOCK	
INLET PROTECTION	
LIMIT OF DISTURBANCE	

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BASEBALL & SOFTBALL EROSION & SEDIMENTATION CONTROL PLAN

BASEBALL & SOFTBALL DUGOUT PLANS

FOR

WALLINGFORD-SWARTHMORE SCHOOL DISTRICT
200 S. PROVIDENCE ROAD, WALLINGFORD, PA 19086
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General Contractor Site Notes

1. CALL BEFORE YOU DIG 1-800-242-1776
Act 172 Requirements – Cirilli Associates, Inc. does not guarantee the accuracy of the locations for existing subsurface utility structures and lines as shown on the plans, nor does Cirilli Associates, Inc guarantee that all subsurface structures or lines are shown. The contractor shall verify the location and elevation of all underground utilities and structures before the start of the work. Call at least 3 DAYS PRIOR to start of the excavation.
2. During the construction procedure, the contractor shall take all necessary precautions that may be required to prevent any physical damage or changes from occurring beyond the limits of the work. The contractor shall be responsible beyond the limits of work for any and all damage.
3. The contractor shall maintain sufficient barricades and warning signs during the progress of the work both day and night, shall maintain sufficient other barricades, lights, danger signals, and other devices for the safety of the public, and the work must be conducted at all times, in such a manner, as to offer the least inconvenience to the owner and adjacent property owners.
4. Lines and Levels:
 - a) The contractor shall have on the site a calibrated survey instrument at all times to ensure proper grading.
 - b) The contractor will furnish the elevations for such points as are required as shown on the plans for construction and/or to ensure positive drainage of all newly paved surfaces and yard surfaces
 - c) The contractor shall work accurately to bench marks and to proper elevations and dimensions, checking conditions and details of work already in place and proposed in relation to work then to be installed. Please note that dimensional notations take precedence over scaled dimensions.
5. All Work shall be done in accordance with the applicable Federal, State and Local Codes, and all regulations appurtenant to the OSHA Act of 1970.
Contractor shall notify the CADES engineer of any discrepancies within the plans, specifications, codes or standards for corrective action prior to the start of the work.
6. Contractor shall work all project plans, specifications and other contract documents TOGETHER, as they are ONE document.
7. Contractor must have all required submittals approved prior to the ordering of materials, and the start of that applicable work.
8. Contractor shall verify all dimensions, inverts, elevations, and existing conditions prior to proceeding with the work.
9. Contractor shall be responsible for all safety, procedures, means, methods, sequencing, and coordination for the work on all Land Development Civil Drawings.
10. All work must be performed by qualified, licensed and insured contractors with supervision and personnel experienced in the work so engaged.
11. FIELD CHANGES must be in writing, reviewed and approved by the Owner before any action can be taken.
12. Contractor shall be responsible for the repair to any and all sidewalks, lawn, trees, paving and other improvements disturbed or damaged by construction or demolition activities.
13. Contractor shall provide proper temporary bracing, shoring and support of all construction or demolition while the work is in progress.
14. Contractor shall be responsible for all maintenance and protection of vehicular and pedestrian traffic. All Traffic control measures shall be in accordance with local, PennDOT and OSHA requirements.
15. Contractor shall provide protection for existing utilities. The contractor Shall immediately repair any utility line interruption at no additional contract cost. The contractor shall provide adequate protection and support for all utilities exposed during the work to insure against damage at no additional contract cost.

Scope of Work

1 Demolition & Legal Disposal

It is the contractor's complete responsibility to remove all existing, concrete curb, sidewalk, paving, wood curbing, mulch, and excavated earth, and immediately remove said materials from the site, disposing in a legal environmentally approved dump facility.

2. Finish Grading, Seeding & Site Restoration

Leveling and Cleaning Site

- 2.1. Wherever the disturbed earth has not been properly backfilled, or if settlement occurs, the affected areas shall be refilled, compacted, smoothed off and made to conform to the finished surface of the adjacent ground.
- 2.2. As the work is completed, the contractor shall remove and dispose of all surplus earth, stone or other material from the work in such a manner as he may select or provide, subject to approval by the Engineer, or he may deposit the same at a point on the work area if so directed by the Engineer; and shall leave all roads and other areas free, clear, and in good order (broom clean).

2.3. The contractor shall exercise extreme caution to limit the work within the limits of work and not encroach onto the adjacent areas of the school's property.

2.4 Standard Grading and Seeding

A. All unpaved areas disturbed by the contractor, during construction, shall be regraded and seeded as directed by the Engineer. (See section 12.5 for seeding specification). Top soil shall compose the top 4" of material.

All lawn and grass areas shall be restored immediately upon completion of the work. The contractor shall apply a minimum of 4" of clean uniform topsoil to the finished grades and roll to a uniform surface

After application of the lime-fertilizer and seed mix as described in these specifications, if jute, curlex, or excelsior blankets are not required, the areas shall be mulched with a loose layer (3/4" to 1") deep of hay, straw or other approved mulch.

Hay or straw should not be chopped or finely broken during application. Application should be at a rate of 140 lbs per 1000 SF of surface area. The sidewalk area must be broom cleaned of any excess topsoil or mulch to the satisfaction of the Township.

B. After the regraded areas have been compacted to prevent settlement as directed by the Engineer, the surface shall be scarified to a depth of not less than four inches (4") below the surface.

C. After scarification of the soil, ground limestone, super phosphate, fertilizer and grass seed shall be spread at the rates as specified on the plans.

1. Application shall be by manual placement or Hydraulic Placement (hydro-seeding) for both the fertilizer and seed.

D. The seed/fertilizer combination shall then be covered with a jute matting or organic mulch to a depth of 1 1/2 ". See section 12.4 for treatment of slopes and along the side slopes and bottoms of all swales, channels or areas of storm water conveyance.

E. ONLY IF DIRECTED AND NOTED ON THE PLANS – Apply water with a fine spray immediately after applying mulch and re-water twice per week until 90% coverage is established. The contractor must diligently maintain said areas by re-application of the Hydroseed or seed mix as directed by the Engineer until 90% grass establishment is obtained.

F. ONLY IF DIRECTED and NOTED ON THE PLANS – For seed application in July, August and early September, the contractor shall plan for and build into the cost; Re-seeding the areas that did not germinate and mature buy no later than Early November.

Biodegradable Blankets

A. Apply a Curlex biodegradable mat (or approved equal) over the finished graded area prior to seeding on all slopes which are equal to or greater than 3:1 and / or over drainage swales not utilizing Pyramat. Maintain with water until 90 % establishment.

2.5 Seeding Specification

A. Permanent Seeding (Spring to Fall planting time)

Rake topsoil ridding of all stones, clay clumps & debris, then scarify to a depth of not less than 4". Apply the following:

LIME:	4 tons per acre	or	190 lbs per 1000 sf
FERTILIZER (10-20-20)	930 lbs per acre	or	25 lbs per 1000 sf

Then seed in accordance with the following durable, partial-shade tolerant, athletic field-type mix (or approved equal):

Pennlawn-fine Fescue.....	16 oz per 1000 sf
Redtop.....	2 oz per 1000 sf
Perennial Ryegrass.....	8 oz per 1000 sf

Where specified on the plans or as directed by the Engineer, Contractor to submit material data sheet for installation of "SHADE TOLERANT or other specified" grass mix seed or sod.

3. Erosion and Sediment Control and Site Stabilization Notes

A. Rock Construction Entrance – Rock construction entrance thickness shall be constantly maintained to the specified dimensions by adding rock. A stockpile should be maintained, if at all practical, for this purpose. At the end of each construction day, all sediment deposited on the paved roadways shall be removed and returned to the construction site.

B. Maintenance During Construction – It is the full and complete responsibility of the contractor to protect the site and protect against any off-site sediment runoff for the entire duration of the project.

The contractor and the District's Site Project Manager, shall inspect silt fence barriers, sediment traps and basins, inlet protection barriers, rock filter berms, mud tracking on roads and paved surfaces on a weekly basis and after each rainfall event. Whereas the Contractor MUST make all required repairs or replacements as necessary. Schedule cleaning of structures in accordance with PaDEP Erosion and Sediment Pollution Control Program Manual latest edition.

In addition to the above; after each rainfall (and runoff) event, all preventative and remedial maintenance work, including clean out, repair, replacement, regrading, reseeding, remulching and renetting, must be performed IMMEDIATELY in accordance with the PaDEP Program Manual Standards and Specifications, latest edition

All Erosion Control devices shall be maintained and remain functional throughout the duration of the construction project, and until a minimum of 70% grass establishment is achieved.

C. Inlet Protection – The contractor must diligently and proactively maintain all inlet protection so as not to pollute the piping, seepage bed or trench. The contractor shall furnish Geotextile FILTER BAGS to trap all particles larger than 150 microns, for ALL INLETS, (existing and new).

Rock filter berms and filter bags are required for all inlet protection installations, both existing and new, whether shown on the plans or not.

Filter bags shall be cleaned or replaced when the bag is one-half full. All temporary inlet protection shall be removed after placement of permanent stabilization has been established for the tributary area.

**BASEBALL & SOFTBALL
EROSION & SEDIMENTATION
CONTROL NOTES PLAN**

BASEBALL & SOFTBALL DUGOUT PLANS

FOR

WALLINGFORD-SWARTHMORE SCHOOL DISTRICT
200 S. PROVIDENCE ROAD, WALLINGFORD, PA 19086
THE WALLINGFORD-SWARTHMORE SCHOOL DISTRICT

NETHER PROVIDENCE TOWNSHIP DELAWARE COUNTY, PA

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