# EAST HADDAM FIREHOUSE #2

44 WILLIAM F. PALMER ROAD
MOODUS CT, 06423

## SUBMITTED FOR: PLANNING & ZONING COMMISSION - SITE PLAN APPROVAL

FEBRUARY 16, 2026

## OWNER

Prepared For Owner


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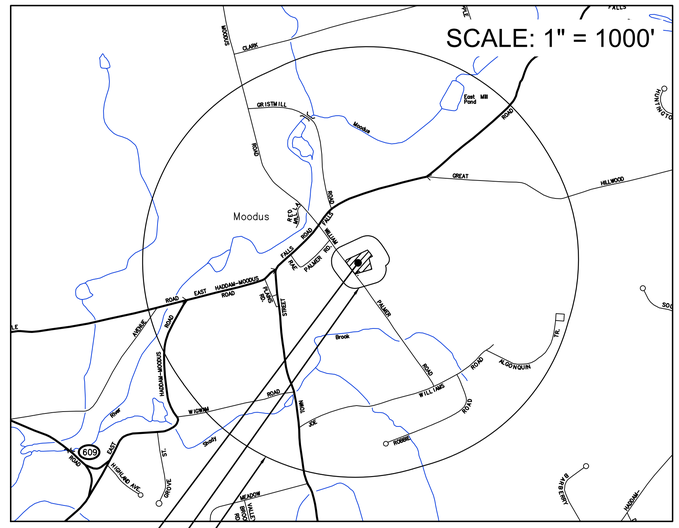

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860-633-8341


## LIST OF DRAWINGS


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## LOCATION MAP



## LEGEND

- R — RELOCATE AND PROTECT EXISTING SITE ITEM
- P — PROTECT EXISTING TREE
- X — TREE TO BE REMOVED
- SS — SILT SACK
- SKT — TEMPORARY SOIL STOCKPILE
- CWA — CONCRETE WASHOUT AREA
- BUILDING TO BE REMOVED
- BITUMINOUS PAVEMENT/WALKS TO BE REMOVED
- CONCRETE TO BE REMOVED
- VEGETATION TO BE REMOVED
- TEMPORARY EROSION CONTROL BLANKET
- CE — CONSTRUCTION ENTRANCE
- PROPERTY LINE
- WETLANDS LIMIT
- 100' UPLAND REVIEW AREA
- HAY BALES
- CF — CONSTRUCTION FENCE
- SF — SILT FENCE
- CURB TO BE REMOVED
- EX. SITE ITEM TO BE REMOVED
- UTILITY STRUCTURE TO BE RELOCATED
- PIPING TO BE REMOVED

SEPTIC TANK TO BE DEMOLISHED AND REMOVED

SEPTIC SYSTEM AND ALL ASSOCIATED PIPING, D-BOXES, AND TANKS TO BE DEMOLISHED AND REMOVED

12' X 50' CONSTRUCTION ENTRANCE

REMOVE AND DEMOLISH EXISTING BITUMINOUS PAVEMENT

CONCRETE TO BE REMOVED (TYP.)

PROTECT DRAINAGE IN ROW (TYP.)

EXISTING BUILDING TO BE REMOVED

PROPANE TANK AND ASSOCIATED BOLLARDS TO BE REMOVED

OIL WATER SEPARATOR TO BE REMOVED

CURB TO BE REMOVED (TYP.)

LIGHT POLE TO BE REMOVED (TYP.)

UNDERGROUND DETENTION SYSTEM TO BE REMOVED

CONSTRUCTION FENCE (TYP.)

SILT FENCE (TYP.)

SIGN TO BE REMOVED

CL&P POLE 536 TO BE RELOCATED - COORDINATE WITH ELECTRICAL PROVIDER

100' UPLAND REVIEW AREA

WETLANDS LIMIT

TEMPORARY SOIL STOCKPILE

TEMPORARY EROSION CONTROL BLANKET

TREE TO BE PROTECTED

VEGETATION AND WOODS TO BE REMOVED (TYP.)

CONCRETE WASHOUT AREA

ANTENNA TOWER TO BE RELOCATED (TYP.)

BOLLARD TO BE REMOVED (TYP.)

DIESEL GENERATOR TO BE REMOVED

TREE TO BE REMOVED (TYP.)

EXTENTS OF PIPING BEING REMOVED TO BE VERIFIED IN FIELD (TYP.)

SILT SACK (TYP.)

DRAINAGE STRUCTURE TO BE REMOVED (TYP.)

STUMP TO BE REMOVED

WELL TO BE REMOVED TO 24" BELOW FINISH GRADE AND THE REST ABANDONED PER CT DPH REQUIREMENTS

DRAINAGE PIPING TO BE REMOVED

CL&P POLE 4804 TO BE REMOVED. SIREN TO BE RELOCATED

CL&P POLE 4521 TO BE PROTECTED


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Prepared for:

**NEW CONSTRUCTION**
**EAST HADDAM FIREHOUSE #2**
**44 WILLIAM F. PALMER ROAD MOODUS, CT 06423**

| DATE: | REVISION: |
|---|---|
| 02/16/2026 | PLANNING & ZONING SUBMISSION |

KEY PLAN

SCALE: 1" = 20'

STATE OF CONNECTICUT — WILLIAM G. WALTER — LICENSED PROFESSIONAL ENGINEER

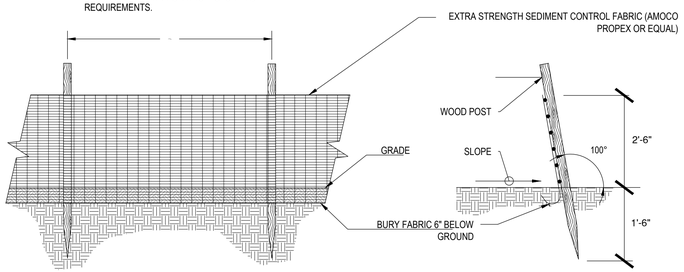
PROJECT NO.: 70903.00
SCALE: 1" = 20'
DATE: 01/13/2026

DRAWN BY: RLC
CHECKED BY: WGW

# DEMOLITION & EROSION CONTROL PLAN

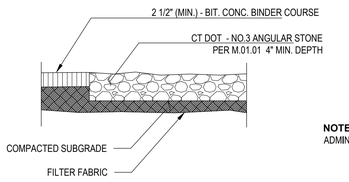
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***NOTE:** POST SPACING AND EMBEDMENT VARIES BASED ON THE FABRIC MANUFACTURER'S REQUIREMENTS.



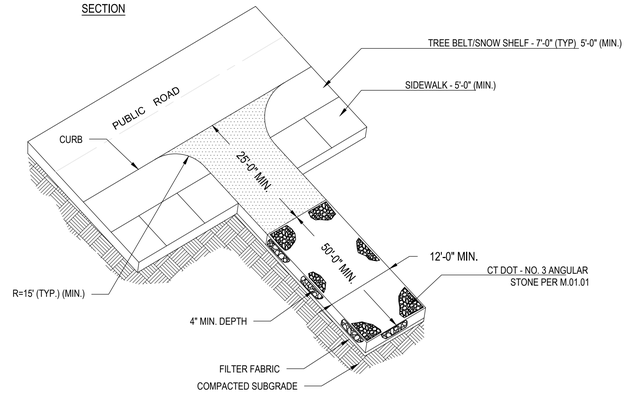

ELEVATION SECTION

## SILT FENCE BARRIER (SF)
N.T.S.



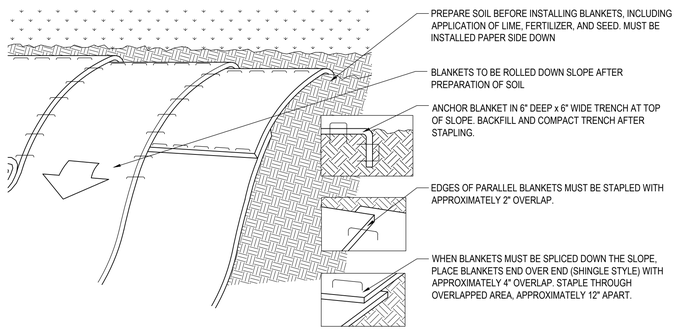

**NOTE:** LOCATION TO BE DETERMINED IN THE FIELD BY THE CONSTRUCTION ADMINISTRATOR

SECTION

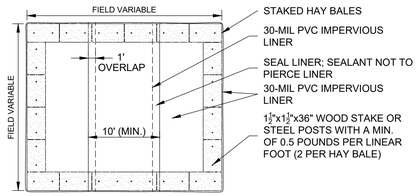



PLAN

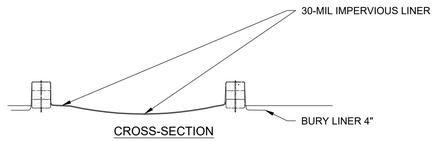
## CONSTRUCTION ENTRANCE (CE)
N.T.S.




## SLOPE STABILIZATION USING EROSION CONTROL BLANKET (ECB)
N.T.S.




PLAN VIEW

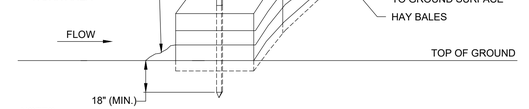



CROSS-SECTION

NOTES:

1. CONSTRUCT WASHOUT AREA LARGE ENOUGH TO ENSURE MATERIALS WILL BE CONTAINED WHERE WASTE CONCRETE CAN SOLIDIFY IN PLACE AND EXCESS WATER CAN SAFELY EVAPORATE.
2. WASHOUT AREA SHALL BE LARGE ENOUGH TO RETAIN ALL LIQUID AND WASTE CONCRETE MATERIALS FROM WASHOUT OPERATION.
3. WEEKLY INSPECTIONS OF WASHOUT AREAS SHALL BE CONDUCTED TO ASSESS THE HOLDING CAPACITY AND FUNCTIONALITY OF THE WASHOUT AREA.

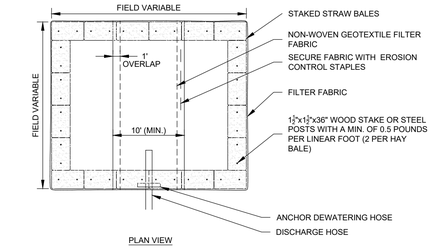
## TEMPORARY CONCRETE WASHOUT AREA (CWA)
N.T.S.



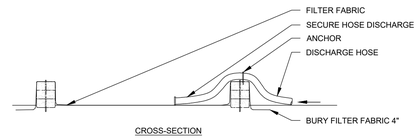

NOTES:

1. HAY BALES SHALL BE MADE OF HAY OR STRAW WITH 40 POUND MIN. WEIGHT AND 120 POUND MAX. WEIGHT HELD TOGETHER BY TWINE OR WIRE.
2. PLACE HAY BALES ON CONTOUR AND WING THE LAST HAY BALES UP SLOPE SO THAT THE TOP OF THE LAST SEVERAL HAY BALES ARE HIGHER THAN THE LINE OF HAY BALES.
3. DRIVE FIRST STAKE IN EACH BALE TOWARD THE PREVIOUSLY LAID BALE TO FORCE THEM TOGETHER.
4. PUT ONE HAY BALE PERPENDICULAR ALONG HAY BALE BARRIER EACH 100 FEET.

## HAY BALE BARRIER (HB)
N.T.S.




PLAN VIEW

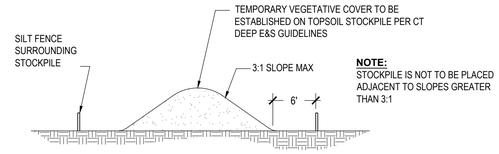



CROSS-SECTION

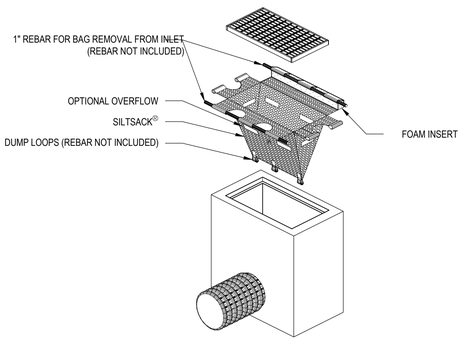
GENERAL NOTES

1. NUMBER OF BALES MAY VARY DEPENDING ON SITE CONDITIONS.
2. THE BASIN TO BE SIZED ACCORDING TO: CUBIC FEET OF STORAGE = PUMP DISCHARGE RATE(gpm) x 16.
3. SIZE SHOWN ON PLANS SHALL BE ADJUSTED AS REQUIRED FOR THE ACTUAL PUMPING RATE.

## DEWATERING STRAW BALE BASIN
SCALE: NONE




## TEMPORARY STOCKPILE (STK)
N.T.S.




'SILTSACK' SEDIMENT CONTROL DEVICE, TERRAFIX GEOSYNTHETICS INC. TORONTO, ONTARIO, CA WWW.TERRAFIXGEO.COM

## SILT SACK DETAIL (SS)
N.T.S.

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Prepared for:

***NEW CONSTRUCTION***
***EAST HADDAM FIREHOUSE #2***
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***MOODUS, CT 06423***

| DATE: | REVISION: |
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KEY PLAN

STATE OF CONNECTICUT · WILLIAM G. WALTER · LICENSED PROFESSIONAL ENGINEER

PROJECT NO.: 70903.00
SCALE: AS SHOWN
DATE: 01/13/2026
DRAWN BY: RLC
CHECKED BY: WGW

***DEMOLITION & EROSION CONTROL DETAILS***

DRAWING NO.:
**C1.1**

## EROSION AND SEDIMENTATION CONTROL NARRATIVE:

**PER STATE OF CONNECTICUT**
ALL APPLICABLE PRACTICES RECOMMENDED BY THE 2024 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL AS AMENDED.

**DESCRIPTION**

THE PROJECT CONSISTS OF THE DEMOLITION OF THE EXISTING FIRE HOUSE AND THE CONSTRUCTION OF A NEW FIRE HOUSE, ASSOCIATED PARKING AREAS, DRIVES, LANDSCAPE, AND OTHER AMENITIES. THE PROJECT WILL BE CONDUCTED IN ONE (1) PHASE.

SPECIFIC EROSION CONTROL CONCERNS INCLUDE THE FOLLOWING:

- TRACKED SEDIMENT ON TO THE ADJACENT ROADWAYS.
- WIND-BORNE SEDIMENT ACCUMULATING ON ADJACENT PROPERTIES.
- SEDIMENT-LADEN WATER ENTERING THE STORMWATER SYSTEM.

**A. GEOTEXTILE SILT FENCE (SF) -** SHALL BE NON-WOVEN MATERIAL, MINIMUM 36" HIGH AND FASTENED TO WOOD STAKES. SILT FENCE SHALL BE INSTALLED WITH END RUNS TURNED UP GRADE AT 45 DEGREES FOR A DISTANCE OF 10 FEET (SEE DETAIL THIS SHEET).

**B. TEMPORARY SEEDING (TS)**

1. CONTRACTOR SHALL SCARIFY THE SOIL TO A DEPTH OF 2" BEFORE APPLYING FERTILIZER, LIMESTONE AND SEED.
2. SEED MAY BE APPLIED BY HAND OR MECHANICALLY. SEED APPLICATION SHALL BE UNIFORM. SEED RATE SHALL BE IN ACCORDANCE WITH THE 2024 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL AS AMENDED (INCREASE SEEDING RATES BY 10% WHEN HYDROSEEDING, LIMESTONE, FERTILIZER AND SEED MAY BE APPLIED IN SLURRY.)
3. CONTRACTOR SHALL MULCH AREA (MS) IMMEDIATELY FOLLOWING SEEDING. (NOTE: IN THE EVENT SEEDING OPERATIONS ARE NOT FEASIBLE DUE TO SEASONAL RESTRICTIONS OR EXTENDED INCLEMENT WEATHER PATTERNS, THE CONTRACTOR SHALL INSTALL AN EROSION CONTROL BLANKET OVER EXPOSED SOILS.)

**C. PERMANENT SEEDING (PS)**

1. CONTRACTOR SHALL APPLY TOPSOIL AND FINE GRADE ALL AREAS BEFORE THE APPLICATION OF PERMANENT SEED. APPLY LIMESTONE AND FERTILIZER AS NEEDED, IN ACCORDANCE WITH SOIL TESTS.
2. REMOVE ALL SURFACE STONES ½ INCH AND LARGER. REMOVE ALL OTHER DEBRIS AND RAKE SEED BED.
3. APPLY SEED WITHIN 7 DAYS AFTER ESTABLISHING FINAL GRADES. SEE PLANTING PLAN.

**D. STRAW BALE BARRIER (HB) -** SHALL BE MADE OF STRAW WITH 40 POUNDS MINIMUM WEIGHT AND 120 POUNDS MAXIMUM WEIGHT, HELD TOGETHER BY TWINE OR WIRE. (SEE DETAIL THIS SHEET.)

**E. CONSTRUCTION ENTRANCE (CE) -** SHALL BE AN ANGULAR STONE PAD, A MINIMUM OF 12' WIDE AND 50' LONG. (SEE DETAIL THIS SHEET.)

**F. FILLER BASKET (FB) -** SHALL BE PLACED IN A MANNER THAT FILTERS ALL RUNOFF BEFORE ENTERING THE DRAINAGE STRUCTURES.

**APPLICATION/GENERAL PROCEDURES**

SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED PRIOR TO ANY SITE DISTURBANCE, AND DEVELOPMENT WILL PROCEED ACCORDING TO A SPECIFIC CONSTRUCTION SEQUENCE. THE OBJECTIVE IS TO MAXIMIZE THE REDUCTION OF SEDIMENT-LADEN RUNOFF THROUGH IMPLEMENTATION OF CONVENTIONAL SOIL SEDIMENTATION AND EROSION CONTROL PRACTICES CURRENTLY RECOMMENDED BY THE 2024 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL

G. SUSPEND EARTHWORK FOR MAJOR STORM EVENTS AND IMPLEMENT ADDITIONAL SEDIMENTATION AND EROSION CONTROL MEASURES AS NECESSARY.

H. THERE SHALL BE NO CUTS OR FILL LEFT EXPOSED FOR LONGER THAN 30 DAYS. THE ESTABLISHED PROCEDURE OF TEMPORARILY SEEDING AND/OR COVER WITH EROSION PROTECTION (MAT OR STRAW) SHALL BE FOLLOWED TO INSURE MINIMAL SOIL LOSS.

I. THE DISCHARGE OF UNTREATED STORMWATER TO THE STORMWATER SYSTEM IS NOT ALLOWED.

TOTAL AREA OF PROJECT SITE - 2.22 ACRES
TOTAL AREA OF SITE DISTURBANCE - 1.79 ACRES

PLANNED START OF CONSTRUCTION - SPRING 2026
PLANNED END OF CONSTRUCTION - SPRING 2027

**DOCUMENTS TO BE UTILIZED FOR EROSION CONTROL**

- EROSION CONTROL PLANS (C-1.0 - C-1.2)
- STORMWATER MANAGEMENT REPORT - EAST HADDAM FIRE HOUSE #2
- 2024 CT DEEP EROSION CONTROL GUIDELINES

**PERMITS RELATED TO EROSION CONTROL - PERMIT CONDITIONS ARE PART OF THE EROSION CONTROL REQUIREMENTS**

- TOWN OF EAST HADDAM PLANNING & ZONING COMMISSION - SITE PLAN APPROVAL CONDITIONS

## SITE PREPARATION NOTES:

1. CONTRACTOR SHALL NOTIFY "CALL BEFORE YOU DIG" (1-800-922-4455) AND VERIFY UTILITY MARK-OUT WITH THE OWNER PRIOR TO THE INITIATION OF ANY SITE DISTURBANCE.
2. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFICATION OF THE LOCATION AND NATURE OF ALL SUBSURFACE UTILITIES AT THE PROJECT WHICH MAY BE AFFECTED BY THE WORK. COORDINATE WITH RESPECTIVE UTILITY OWNERS AND PERFORM VERIFICATION OF TYPE, LOCATION, AND INVERTS AS REQUIRED.
3. PROTECT ALL IMPROVEMENTS NOT INCLUDED WITHIN THE LIMITS OF WORK. ANY IMPROVEMENT WHICH IS DAMAGED SHALL BE REPAIRED OR REPLACED IN-KIND TO THE OWNER'S SATISFACTION.
4. DURING DEMOLITION, PROTECT ALL ADJACENT CURBING, SIDEWALKS, RAMPS, ABOVE-GRADE AND BELOW-GRADE UTILITIES, DRAINAGE STRUCTURES, LIGHT BASES, AND OTHER IMPROVEMENTS POTENTIALLY AFFECTED BY THE WORK. CLEARLY DELINEATE THE LIMITS OF WORK AND MARK, BARRICADE, OR OTHERWISE IDENTIFY THOSE IMPROVEMENTS THAT ARE TO BE PROTECTED AND/OR AVOIDED. ANY IMPROVEMENT WHICH IS DAMAGED SHALL BE REPAIRED OR REPLACED IN-KIND TO THE OWNER'S SATISFACTION.
5. THE LOCATIONS OF EXISTING SITE FEATURES AS SHOWN HAVE BEEN OBTAINED FROM MAPS, SURVEYS, FIELD INSPECTIONS, AND OTHER AVAILABLE INFORMATION. THEY MUST BE CONSIDERED APPROXIMATE BOTH TO LOCATION, SIZE, AND AS-BUILT CONDITION AND ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL FIELD CONDITIONS.
6. THE DIMENSIONS SHOWN ON THE PLANS, INCLUDING THE INTENDED DIMENSIONS OF THE WORK, MAY VARY FROM ACTUAL EXISTING CONDITIONS IN THE FIELD. THE CONTRACTOR SHALL TAKE APPROPRIATE MEASUREMENTS TO VERIFY ALL DIMENSIONS SHOWN ON THE DRAWINGS AS WELL AS OTHER DIMENSIONS HE MAY DEEM APPROPRIATE TO FACILITATE THE COMPLETION OF THE WORK. NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
7. IMPLEMENTING WORKER SAFETY AND/OR HEALTH PROTOCOLS THAT ADDRESS COMPLIANCE WITH RULES, LAWS, AND REGULATIONS PERTAINING TO CONSTRUCTION SAFETY AND/OR THE POTENTIAL AND/OR ACTUAL RISK OF EXPOSURE TO SITE-SPECIFIC PHYSICAL OR CHEMICAL HAZARDS IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
8. PRIOR TO THE TERMINATION, ABANDONMENT, OR REMOVAL OF ANY UTILITY, VERIFY THAT APPLICABLE NOTIFICATIONS HAVE BEEN MADE TO THE UTILITY OWNER/OPERATOR AND THAT THE UTILITY HAS BEEN PROPERLY TERMINATED, CAPPED, OR PLUGGED AS REQUIRED.
9. PROVIDE PAVEMENT SAWCUT AT THE EDGE OF EACH PAVEMENT REMOVAL AREA TO ESTABLISH A CLEAN EDGE WHERE NEW WORK WILL MEET EXISTING PAVEMENT. SAWCUT SHALL BE A MINIMUM OF 12 INCHES FROM EDGE OF PAVEMENT REMOVAL.
10. UNLESS OTHERWISE INDICATED, ALL DISTURBED AREAS SHALL BE RESTORED WITH SIX (6) INCHES OF LOAM, SEEDED, FERTILIZED, AND MULCHED. PROVIDE ADDITIONAL EROSION CONTROLS AS REQUIRED.

## EROSION AND SEDIMENT CONTROL NOTES:

1. THIS PLAN IS FOR EROSION AND SEDIMENTATION (E&S) CONTROL ONLY. SEE OTHER PLANS FOR THE SCOPE OF CONSTRUCTION WORK.
2. THE MEASURES SPECIFIED HEREON ARE THE MINIMUM REQUIREMENTS FOR E&S CONTROL AND ARE SHOWN IN GENERAL SIZE AND LOCATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL E&S CONTROL MEASURES ARE CONFIGURED AND CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION OF SOILS AND PREVENT THE TRANSPORT OF SEDIMENTS AND OTHER POLLUTANTS TO ANY RESOURCE AREAS. ALL EROSION CONTROLS SHALL BE INSTALLED PRIOR TO ANY SITE WORK. CONTROLS SHOULD BE INSPECTED WEEKLY AND AFTER EACH RAINFALL. EXCAVATED MATERIAL SHOULD NOT BE DISPOSED OF IN THE WETLAND AREA. PROVIDE ADDITIONAL E&S MEASURES AS REQUIRED TO CONTROL EROSION AND SILTATION THROUGHOUT THE DURATION OF THE CONSTRUCTION AS CONDITIONS DICTATE AND/OR AS DIRECTED BY THE OWNER OR THE ENGINEER.
3. MONITOR AND INSPECT ALL E&S MEASURES IN AN ONGOING MANNER THROUGHOUT THE WORK AND TAKE CORRECTIVE MEASURES, AS REQUIRED, TO MINIMIZE EROSION OF SOILS AND PREVENT THE TRANSPORT OF SEDIMENTS AND OTHER POLLUTANTS TO ANY RESOURCE AREAS.
4. ANY EROSION AND SEDIMENTATION MEASURE IMPLEMENTED BEYOND THAT SHOWN HEREON SHALL CONFORM TO APPLICABLE SECTIONS OF THE STATE OF CONNECTICUT'S 2024 "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL."
5. ANY STOCKPILED MATERIAL SHALL BE SUBJECT TO EROSION CONTROL MEASURES THAT INCLUDE A MINIMUM OF SILT FENCE OR HAY BALE BARRIER. COVER STOCKPILES IF SIGNIFICANT RAINFALL IS PREDICTED.
6. ALL CATCH BASINS THAT ARE PLACED SHALL BE EQUIPPED WITH A FILTER BASKET, WHICH SHALL BE LEFT IN PLACE UNTIL THE SITE IS STABILIZED.
7. PROVIDE TEMPORARY SEEDING WITH MULCH ON ALL EXPOSED SOIL AREAS WHERE WORK WILL BE SUSPENDED FOR LONGER THAN 30 DAYS. APPLY SEED AND MULCH WITHIN THE FIRST 7 DAYS OF SUSPENDING WORK. WHEN SEEDING IS NOT POSSIBLE DUE TO SEASONAL WEATHER CONDITIONS OR OTHER FACTORS, PROVIDE TEMPORARY STRUCTURAL SOIL PROTECTION SUCH AS MULCH, WOODCHIPS, EROSION CONTROL MATTING, OR COMPOST.
8. ALL TEMPORARY SLOPES IN EXCESS OF 3 (HORIZONTAL) TO 1 (VERTICAL) SHALL BE STABILIZED WITH EROSION CONTROL MATTING OR APPROVED EQUIVALENT.
9. NO RUNOFF SHALL BE ALLOWED TO DISCHARGE TO THE STORMWATER SYSTEM PRIOR TO TREATMENT FOR SEDIMENT REMOVAL.
10. THE CONTRACTOR SHALL MAINTAIN A CLEAN CONSTRUCTION SITE AND SHALL NOT ALLOW THE ACCUMULATION OF RUBBISH OR CONSTRUCTION DEBRIS. ALL TRASH SHALL BE CLEANED ON A DAILY BASIS AND THE SITE SHALL BE LEFT IN A NEAT CONDITION AT THE END OF EACH WORK DAY.
11. TAKE ALL NECESSARY PRECAUTIONS TO AVOID THE SPILLAGE OF FUEL OR OTHER POLLUTANTS AND ADHERE TO ALL APPLICABLE POLICIES AND REGULATIONS RELATED TO SPILL PREVENTION, CONTROL, AND RESPONSE.
12. FOR DUST CONTROL, PERIODICALLY MOISTEN EXPOSED SOIL SURFACES WITH WATER AND MAINTAIN ADEQUATE MOISTURE LEVELS.
13. SWEEP ADJACENT ROADWAYS IF MUD OR SOIL IS TRACKED ON TO THEM.

## SUGGESTED CONSTRUCTION SEQUENCE:

1. INSTALL CONSTRUCTION ENTRANCE.
2. INSTALL PERIMETER E&S CONTROLS.
4. BEGIN CONSTRUCTION OF BUILDING FOUNDATION.
5. PERFORM BULK EARTHWORK OPERATIONS.
6. CONSTRUCT UTILITIES AND STORMWATER SYSTEM. AS CATCH BASINS ARE PLACE, INSTALL SILT SACKS.
7. BOX OUT PAVED AREAS AND HARDSCAPE WITH BASE MATERIALS.
8. CONSTRUCT BOTTOM COURSE OF BITUMINOUS PAVEMENT.
9. CONSTRUCT LANDSCAPING AND OTHER SITE AMENITIES.
10. CONSTRUCT CURBING AND TOP COURSE OF BITUMINOUS PAVEMENT.

## TEMPORARY E&S MAINTENANCE MEASURES

| | | |
|---|---|---|
| FILTER INSERTS IN DRAINAGE SYSTEM | CLEAN CATCH BASIN GRATE, REMOVE SEDIMENT/DEBRIS FROM FILTER INSERTS | WEEKLY & WITHIN 24 HOURS AFTER STORM GENERATING A DISCHARGE |
| HAY BALES/ SILT FENCE BARRIER | REPAIR/REPLACE WHEN FAILURE OBSERVED. REMOVE SILT WHEN ACCUMULATION REACHES APPROX. HALF HEIGHT OF BARRIER | WEEKLY & WITHIN 24 HOURS AFTER STORM GENERATING A DISCHARGE |
| CONSTRUCTION ENTRANCE | SWEEP PAVED ROADWAY ADJACENT TO SITE ENTRANCE AS NECESSARY, REFRESH STONE AS NECESSARY, REMOVE SILTED GRAVEL | WEEKLY |
| MOISTEN EXPOSED SOILS | PERIODICALLY MOISTEN EXPOSED SOIL SURFACES WITH WATER ON UNPAVED TRAVELWAYS AND KEEP TRAVELWAYS DAMP | DAILY |
| TEMPORARY SOIL STOCKPILE | REPAIR WHEN FAILURE OBSERVED, RESEED AND REPLACE SILT FENCE AS NECESSARY | WEEKLY & WITHIN 24 HOURS AFTER STORM GENERATING A DISCHARGE |

## DEMOLITION NOTES:

1. PROJECT INCLUDES THE DEMOLITION AND REMOVAL OF ALL EXISTING IMPROVEMENTS, INCLUDING UNDERGROUND UTILITIES AND STRUCTURES, WITHIN THE LIMIT OF WORK, UNLESS OTHERWISE NOTED.
2. OWNER'S REPRESENTATIVE SHALL BE CONSULTED BEFORE ANY WORK SHALL COMMENCE.
3. PRIOR TO ANY DEMOLITION ACTIVITY THE CONTRACTOR SHALL INSTALL ALL EROSION CONTROL MEASURES.
4. CONTRACTOR SHALL COORDINATE WITH OWNER'S REPRESENTATIVE REGARDING STAGING AREAS, CONSTRUCTION FENCING LIMITS & GATES, AND CONSTRUCTION TRAFFIC & PARKING.
5. ALL MATERIAL TO BE REMOVED SHALL BE LEGALLY DISPOSED OF BY THE CONTRACTOR AWAY FROM THE SITE OR DELIVERED AS DIRECTED BY THE OWNER.
6. LOCATION OF ALL UTILITIES ARE SHOWN DIAGRAMMATICALLY & MAY BE INCOMPLETE. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UTILITIES PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES DONE BY THIS WORK SHALL BE REPAIRED BY THE CONTRACTOR.
7. PROTECTION OF ALL EXISTING TREES TO REMAIN SHALL BE A PRIORITY. INSTALL TREE PROTECTION AS INDICATED. DO NOT STOCKPILE, PARK OR PERFORM ANY MECHANICAL OPERATIONS WITHIN THE DRIPLINE OF EXISTING TREES AS INDICATED IN THE DETAILS. NO STORAGE OF MATERIALS OR SOIL SHALL BE ALLOWED IN THESE AREAS. ALL FILL AND EXCAVATION REQUIRED WITHIN THE DRIPLINE OF ALL EXISTING TREES TO REMAIN SHALL BE COMPLETED BY HAND UNLESS OTHERWISE APPROVED BY LANDSCAPE ARCHITECT.
8. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING TREES AND VEGETATION. DAMAGE TO VEGETATION SHALL BE REPAIRED IN ACCORDANCE WITH THE SPECIFICATIONS BY THE CONTRACTOR.
9. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" AT 1.800.922.4455. THE RESPECTIVE UTILITY COMPANIES AND LOCAL AUTHORITIES TO CONFIRM THE LOCATION OF ALL EXISTING UTILITIES. ANY COSTS INCURRED BY THE CONTRACTOR AS A RESULT OF FAILURE TO CONTACT PROPER AUTHORITIES SHALL BE BORN BY THE CONTRACTOR.
10. PRIOR TO COMMENCEMENT OF WORK, CONTRACTOR SHALL SECURE ALL PERMITS REQUIRED FROM ANY UTILITY COMPANY OR OTHER GOVERNMENT AGENCIES HAVING JURISDICTION OVER THE WORK.
11. CARE SHOULD BE TAKEN IN ALL EXCAVATIONS DUE TO POSSIBLE EXISTENCE OF UNRECORDED UTILITY LINES.
12. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE DUE TO HIS CONTRACT OPERATIONS.
13. CONTRACTOR SHALL PROTECT AND SUSTAIN IN NORMAL SERVICE ALL EXISTING UTILITIES, STRUCTURES, EQUIPMENT, ROADWAYS AND DRIVEWAYS.
14. CONTRACTOR SHALL MAINTAIN PROPER SIGNS, BARRICADES, AND FENCES TO PROPERLY PROTECT THE WORK EQUIPMENT, PERSONS AND PROPERTY FROM DAMAGE.
15. ALL ITEMS REQUIRING REMOVAL SHALL BE REMOVED TO FULL DEPTH TO INCLUDE BASE MATERIAL AND FOOTINGS OR FOUNDATIONS AS APPLICABLE, AND LEGALLY DISPOSED OF OFF-SITE BY CONTRACTOR.
16. ALL TOPSOIL WITHIN DISTURBED AREAS SHALL BE REMOVED AND BECOME PROPERTY OF THE CONTRACTOR. IF TOPSOIL MEETS SPECIFICATIONS IT MAY BE ABLE TO BE REUSED ON SITE.
17. CONTRACTOR SHALL STRIP AND STORE TOPSOIL AND SOD IN ALL AREAS TO BE DISTURBED OR REGRADED. LOCATION OF TOPSOIL STOCKPILE TO BE DESIGNATED BY TOWN ENGINEER. TOPSOIL STOCKPILE SHALL COMPLY WITH SIZE AND OTHER REQUIREMENTS IN THE SPECIFICATIONS.
18. LIMITS OF EXISTING PAVEMENTS AND CURBS TO REMAIN SHALL BE NEATLY SAWCUT TO PROVIDE FOR A NEAT, CLEAN JOINT/OR FINISHED EDGE.
19. REMOVAL OF TREES AND SHRUBS INCLUDES CLEARING AND GRUBBING OF STUMPS.
20. ITEMS NOTED TO BE REMOVED AND SAVED FOR OWNER SHALL BE STORED ON SITE AND PROTECTED BY CONTRACTOR FOR RECOVERY BY OWNER. ITEMS NOTED TO BE RELOCATED SHALL BE REMOVED, STORED AND PROTECTED FROM DAMAGE UNTIL RE-INSTALLATION. STORED ITEMS DAMAGED BY CONTRACTOR SHALL BE REPLACED TO MATCH BY CONTRACTOR.

Prepared by:
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860-633-8341

Prepared for:

**NEW CONSTRUCTION**
**EAST HADDAM FIREHOUSE #2**
**44 WILLIAM F. PALMER ROAD**
**MOODUS, CT 06423**

| DATE: | REVISION: |
|---|---|
| 02/16/2026 | PLANNING & ZONING SUBMISSION |
| | |
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| | |

KEY PLAN

STATE OF CONNECTICUT · WILLIAM G. WALTER · LICENSED · PROFESSIONAL ENGINEER

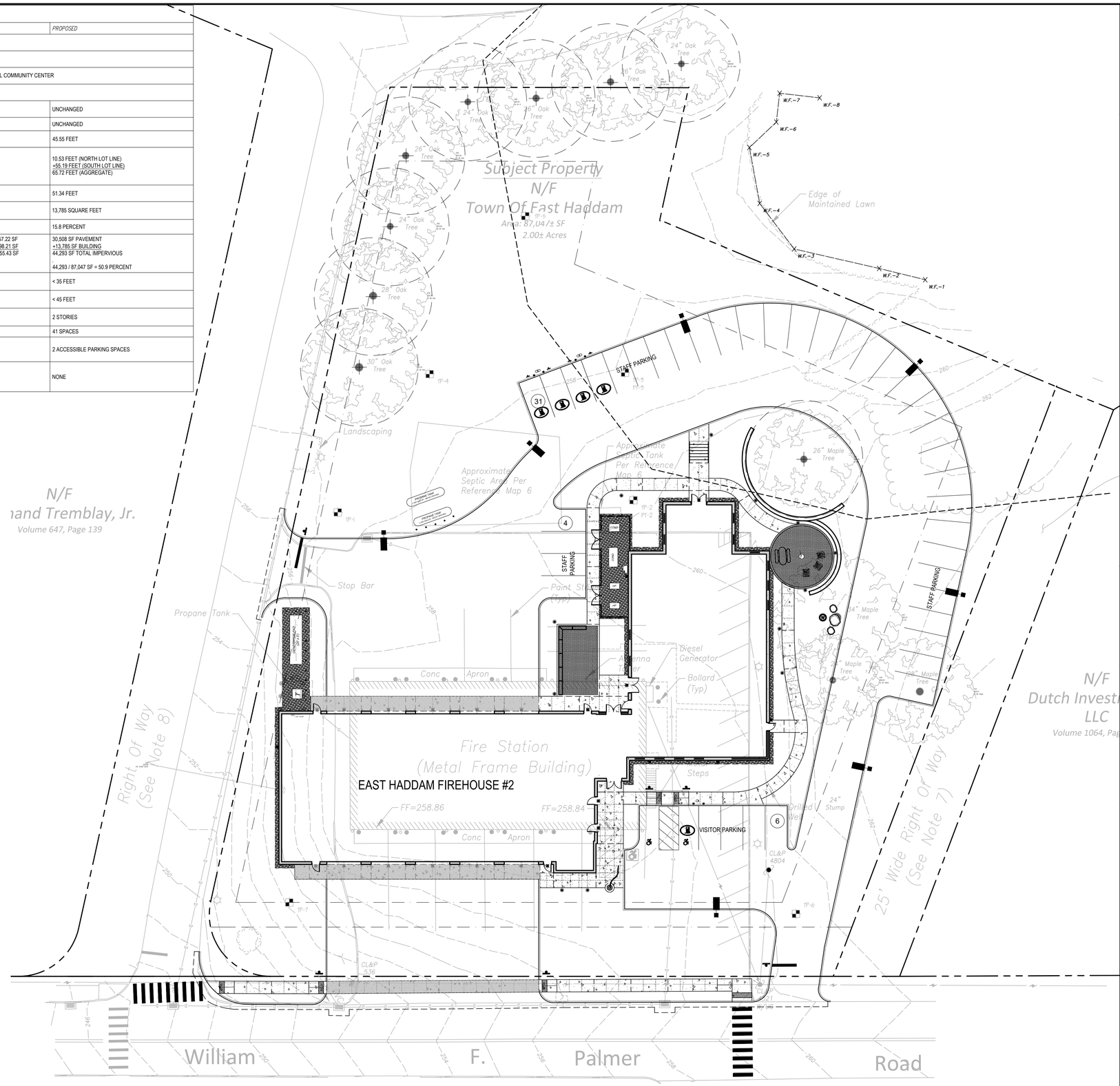
PROJECT NO.: 70903.00
SCALE: NONE
DATE: 01/13/2026
DRAWN BY: RLC
CHECKED BY: WGW

# DEMOLITION & EROSION CONTROL NOTES

DRAWING NO.:
**C1.2**

## ZONING DATA TABLE

| CHARACTERISTICS | REQUIREMENT | EXISTING | PROPOSED |
|---|---|---|---|
| ZONE: | MOODUS CENTER DISTRICT (MOODUS VILLAGE) | | |
| PROPOSED PERMITTED USES SUBJECT TO APPROVAL OF A SITE PLAN: | PUBLIC FACILITIES AND SERVICES | | |
| PROPOSED PERMITTED USES SUBJECT TO ISSANCE OF SPECIAL PERMIT: | HOUSING FOR THE ELDERLY, PUBLIC OUTDOOR RECREATION FACILITIES, MUNICIPAL OFFICES AND MUNICIPAL COMMUNITY CENTER | | |
| PROPOSED ACCESSORY USES: | PARKING | | |
| MINIMUM LOT AREA: | 0.5 ACRES (21,780 SF) | 2.0 ACRES (87,047 SF) | UNCHANGED |
| MINIMUM LOT WIDTH: | 100 FEET | 264.02 FEET | UNCHANGED |
| FRONT YARD SETBACK / BUILD TO LINE: | 30 FEET | 59.60 FEET | 45.55 FEET |
| MINIMUM SIDE YARD: | 10 TO 40 FEET - SIDE YARD SETBACK IS AN AGGREGATE OF 40 FEET WITH THE NARROWEST BEING 10 FEET EXCEPT WHEN IT BOUNDS A RESIDENTIAL ZONE OR TOWN ROAD THE SETBACK IS A MINIMUM OF 20 FEET. A LANDSCAPE STRIP WILL BE REQUIRED WHEN FACING OR ABUTTING A RESIDENTIAL AREA. | 25.83 FEET (NORTH LOT LINE)<br>+117.28 FEET (SOUTH LOT LINE)<br>143.11 FEET (AGGREGATE) | 10.53 FEET (NORTH LOT LINE)<br>+55.19 FEET (SOUTH LOT LINE)<br>65.72 FEET (AGGREGATE) |
| PARKING LINE SETBACK FROM THE STREET FRONTAGE: | 20 FEET | 12.55 FEET | 51.34 FEET |
| MINIMUM BUILDING SIZE: | 1,800 SQUARE FEET | 7,233 SQUARE FEET | 13,785 SQUARE FEET |
| MAXIMUM BUILDING COVERAGE: | 2O PERCENT | 8.3 PERCENT | 15.8 PERCENT |
| MAXIMUM IMPERVIOUS LOT COVERAGE: | 60 PERCENT | MAIN BUILDING 33,157.22 SF<br>SHAD MUSEUM +298.21 SF<br>TOTAL 33,455.43 SF<br>33,455.43 / 394,566 SF = 8.4% | 30,508 SF PAVEMENT<br>+13,785 SF BUILDING<br>44,293 SF TOTAL IMPERVIOUS<br>44,293 / 87,047 SF = 50.9 PERCENT |
| MAXIMUM BUILDING HEIGHT (MEAN ROOF HEIGHT): | 35 FEET MEAN BUILDING HEIGHT | < 35 FEET | < 35 FEET |
| MAXIMUM BUILDING HEIGHT (ROOF PEAK): | 45 FEET TO THE PEAK | < 45 FEET | < 45 FEET |
| MAXIMUM NUMBER OF STORIES: | 2.5 STORIES | 2 STORIES | 2 STORIES |
| PARKING REQUIREMENTS: | TBD | 23 SPACES | 41 SPACES |
| ACCESSIBLE PARKING REQUIREMENTS: | LESS THAN 50 SPACES REQUIRES 2 ACCESSIBLE SPACES<br>1 OF EVERY 6 MUST BE VAN ACCESSIBLE | 1 SPACE | 2 ACCESSIBLE PARKING SPACES |
| LOADING SPACES: | SHALL BE DETERMINED BY THE PROPOSED USE AND FREQUENCY OF DELIVERIES | NONE | NONE |





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Prepared for:

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**44 WILLIAM F. PALMER ROAD MOODUS, CT 06423**

| DATE: | REVISION: |
|---|---|
| 02/16/2026 | PLANNING & ZONING SUBMISSION |

KEY PLAN

SCALE: 1" = 20'

STATE OF CONNECTICUT
WILLIAM G. WALTER
LICENSED PROFESSIONAL ENGINEER

PROJECT NO.: 70903.00
SCALE: 1" = 20'
DATE: 01/13/2026

DRAWN BY: TRS
CHECKED BY: WGW

**SITE PLAN**

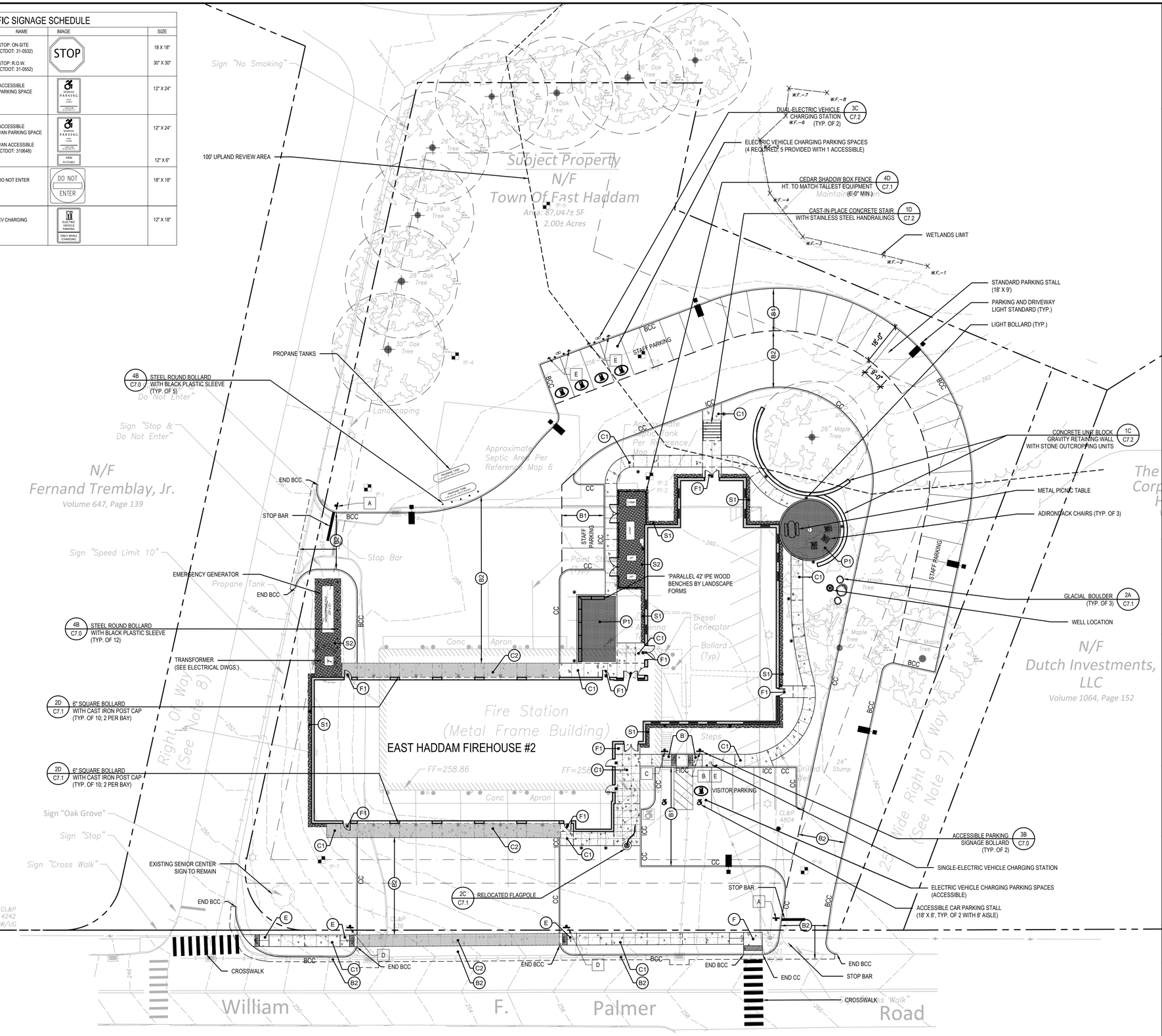
DRAWING NO.:
**C2.0**

## MATERIALS LEGEND

- EJ — EXPANSION JOINT
- EJ-1 — EXPANSION JOINT AT FROST WALL
- CONTRACTION JOINT
- PAINTED ACCESSIBLE SYMBOL
- PAINTED CROSSWALK
- PAINTED STOP BAR
- B — ACCESSIBLE RAMP TYPE B
- E — ACCESSIBLE RAMP TYPE E
- F — ACCESSIBLE RAMP TYPE F
- # — TRAFFIC SIGN (SEE TRAFFIC SIGNAGE SCHEDULE)
- CC — CONCRETE CURB
- FICC — FLUSH INTEGRAL CONCRETE CURB
- ICC — INTEGRAL CONCRETE CURB
- BCC — BITUMINOUS CONCRETE CURB
- F1 — FROST PAD
- B1 — BITUMINOUS CONCRETE (LIGHT DUTY)
- B2 — BITUMINOUS CONCRETE (HEAVY DUTY)
- C1 — CONCRETE PAVEMENT (LIGHT DUTY)
- C2 — CONCRETE PAVEMENT (HEAVY DUTY)
- S1 — STONE MULCH (RIVER WASHED)
- S2 — STONE MULCH (CRUSHED)
- P1 — CONCRETE PAVERS ON CONCRETE BASE
- CEDAR SCREEN FENCE

## TRAFFIC SIGNAGE SCHEDULE

| KEY | NAME | IMAGE | SIZE |
|---|---|---|---|
| A | STOP: ON-SITE (CTDOT: 31-0532)<br>STOP: R.O.W. (CTDOT: 31-0552) | STOP | 18 X 18"<br>30" X 30" |
| B | ACCESSIBLE PARKING SPACE | HANDICAP PARKING | 12" X 24" |
| C | ACCESSIBLE VAN PARKING SPACE<br>VAN ACCESSIBLE (CTDOT: 310648) | HANDICAP PARKING / VAN ACCESSIBLE | 12" X 24"<br>12" X 6" |
| D | DO NOT ENTER | DO NOT ENTER | 18" X 18" |
| E | EV CHARGING | ELECTRIC VEHICLE PARKING / ONLY WHILE CHARGING | 12" X 18" |





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**44 WILLIAM F. PALMER ROAD** — **MOODUS, CT 06423**

| DATE: | REVISION: |
|---|---|
| 02/16/2026 | PLANNING & ZONING SUBMISSION |

KEY PLAN

SCALE: 1" = 20'

STATE OF CONNECTICUT — WILLIAM G. WALTER — LICENSED PROFESSIONAL ENGINEER

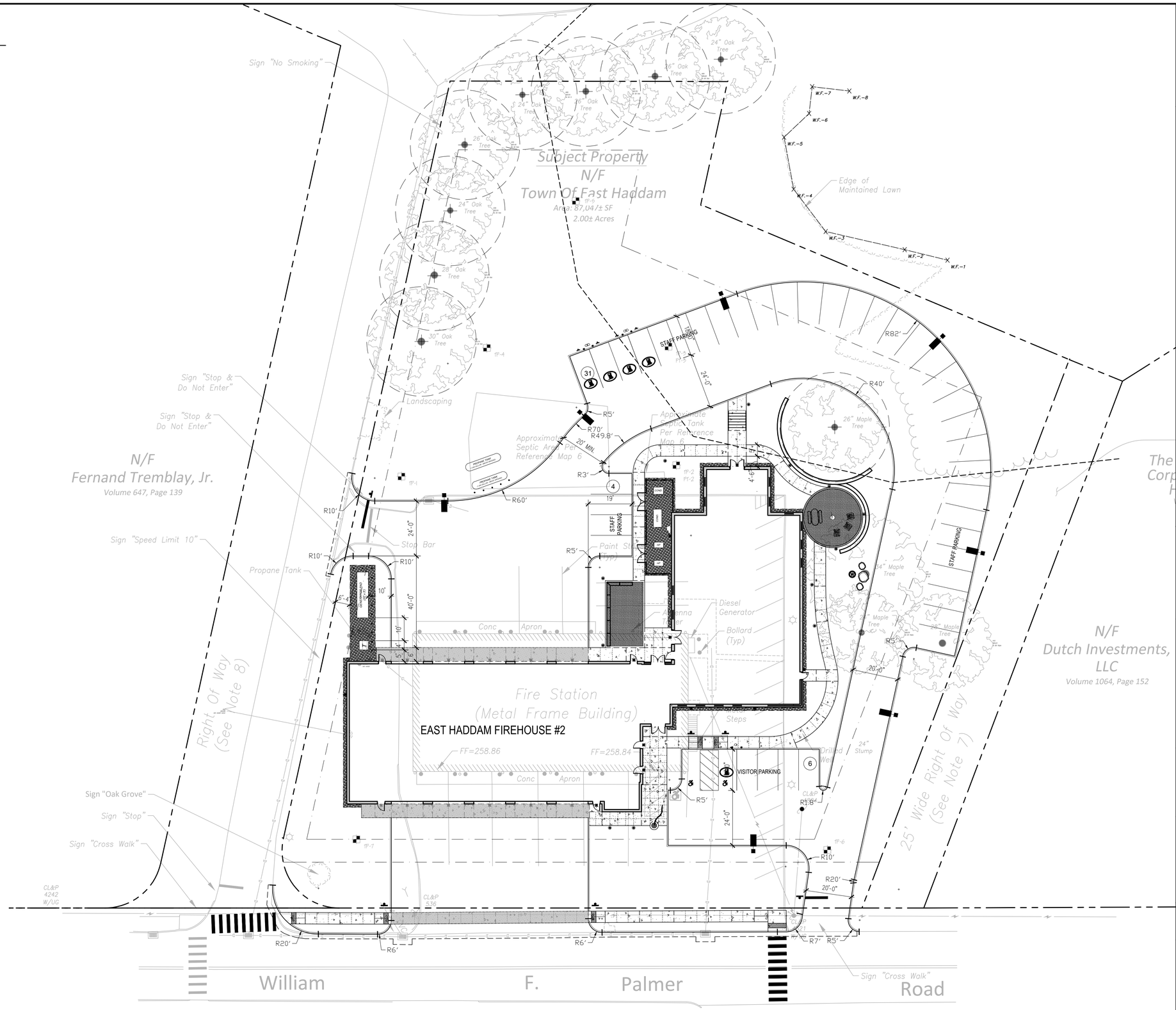
PROJECT NO.: 70903.00
SCALE: 1" = 20'
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DRAWN BY: TRS
CHECKED BY: WGW

# MATERIALS PLAN

DRAWING NO.:
**C2.1**

## MATERIALS LEGEND

- EJ — EXPANSION JOINT
- EJ-1 — EXPANSION JOINT AT FROST WALL
- CONTRACTION JOINT
- PAINTED ACCESSIBLE SYMBOL
- PAINTED CROSSWALK
- PAINTED STOP BAR
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- BCC — BITUMINOUS CONCRETE CURB
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- B1 — BITUMINOUS CONCRETE (LIGHT DUTY)
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- C2 — CONCRETE PAVEMENT (HEAVY DUTY)
- S1 — STONE MULCH (RIVER WASHED)
- S2 — STONE MULCH (CRUSHED)
- P1 — CONCRETE PAVERS ON CONCRETE BASE
- CEDAR SCREEN FENCE





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KEY PLAN

SCALE: 1" = 20'

STATE OF CONNECTICUT · WILLIAM G. WALKER · 21641 · LICENSED PROFESSIONAL ENGINEER

PROJECT NO.: 70903.00
SCALE: 1" = 20'
DATE: 01/13/2026
DRAWN BY: TRS
CHECKED BY: WGW

# LAYOUT PLAN

DRAWING NO.:
**C2.2**

## STORM SEWER NOTES

1. ALL PIPES ARE TO BE 12" HDPE WITH A MINIMUM 1.0% SLOPE AND 2 FT OF COVER UNLESS OTHERWISE NOTED.
2. CONTRACTOR IS RESPONSIBLE TO ENSURE ADEQUATE SIZING OF MANHOLES TO ACCEPT PROPOSED PIPES.
3. ALL EXISTING UTILITY LINES TO BE ABANDONED SHALL BE ABANDONED ACCORDING TO UTILITY COMPANY REQUIREMENTS.
4. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH APPLICABLE STANDARDS.
5. DAMAGE TO EXISTING UTILITIES AS A RESULT OF THE CONTRACTOR'S OR ANY OF HIS SUBCONTRACTOR'S ACTIVITIES DURING THE CONSTRUCTION PROCESS SHALL BE REPAIRED AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE OWNER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEWATERING DURING THE EXECUTION OF HIS WORK. REFER TO GEOTECHNNICAL REPORT FOR GROUNDWATER OBSERVATIONS.
7. THE LOCATION OF EXISTING UNDERGROUND UTILITIES IS DEVELOPED FROM THE BEST AVAILABLE INFORMATION. THE ACTUAL LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF EXCAVATION ACTIVITIES.
8. CARE IS TO BE TAKEN WHEN EXCAVATING NEAR EXISTING DRAINAGE PIPES TO REMAIN. CONTRACTOR TO SUPPORT PIPE AS NEEDED/HAND EXCAVATE TO ENSURE PIPE FUNCTIONALITY IS MAINTAINED.
9. PRESERVED EXISTING MANHOLE COVERS AND FRAMES SHALL BE ADJUSTED TO PROPOSED GRADE AS REQUIRED.

## DRAINAGE NOTES

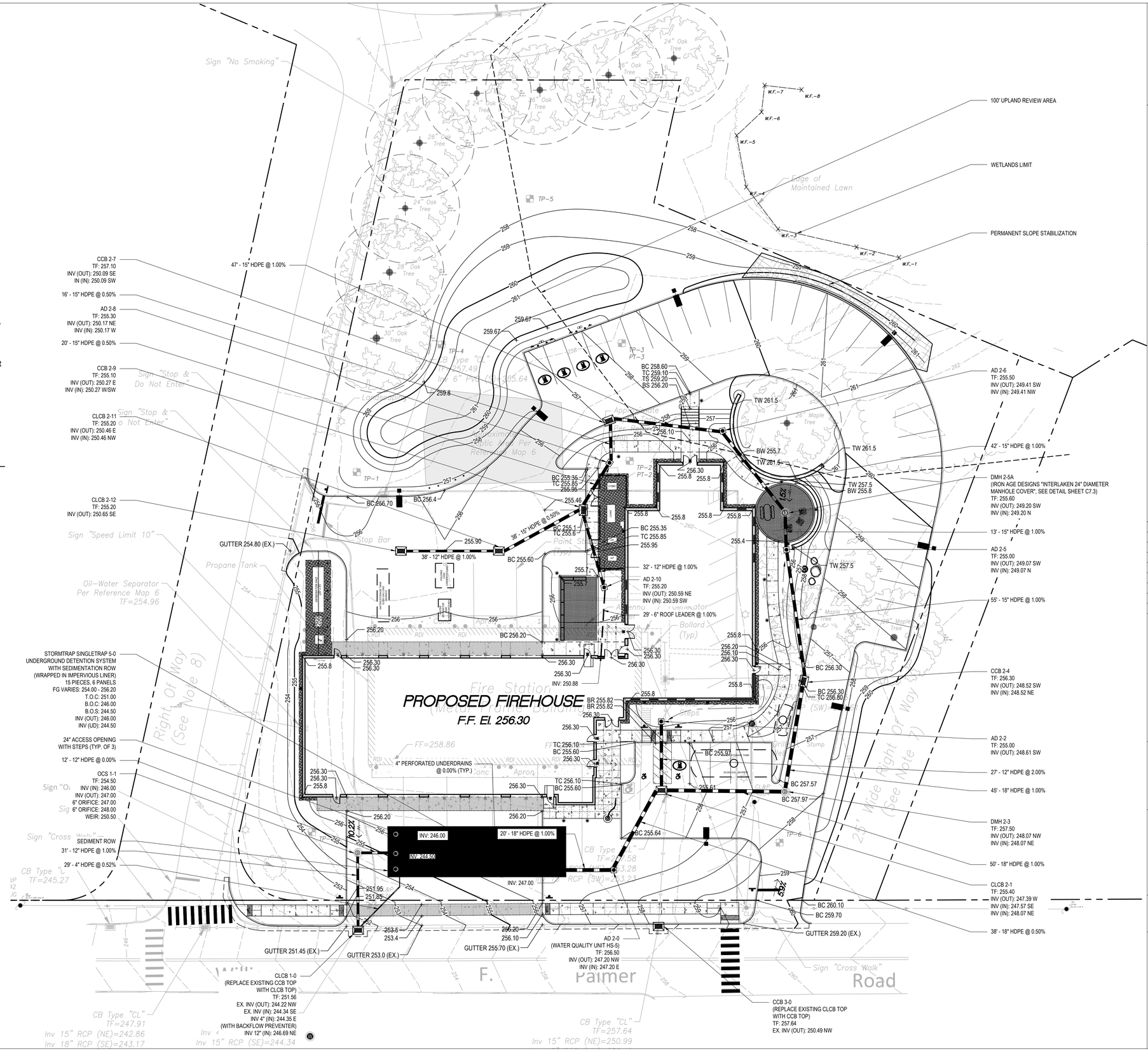
1. CONTRACTOR IS RESPONSIBLE TO ENSURE THAT PROPER STORM DRAINAGE IS MAINTAINED THROUGHOUT CONSTRUCTION AND SHALL MAINTAIN ALL EXISTING AND NEW UTILITIES IN GOOD WORKING ORDER AND SHALL PROTECT THEM AT ALL TIMES UNTIL THE WORK IS COMPLETED AND ACCEPTED.
2. FUNCTIONAL COMPLETION OF STORM WATER DETENTION SYSTEMS AND STRUCTURES SHALL PRECEDE SITE DEVELOPMENT OF AREAS, ROADS, OR LOTS CONTRIBUTING TO THESE SYSTEMS.

## GRADING LEGEND

- DIRECTION OF SURFACE DRAINAGE FLOW
- 123 — PROPOSED INTERMEDIATE CONTOUR
- 120 — PROPOSED INDEX CONTOUR
- 123.45 / TW 123.45 / BW 122.45 — PROPOSED SPOT ELEVATION
- 123.45 (ME) — MATCH EXISTING SPOT ELEVATION

## DRAINAGE LEGEND

- STORM DRAINAGE PIPE
- CATCH BASIN
- AREA/YARD DRAIN
- MANHOLE





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|---|---|
| 02/16/2026 | PLANNING & ZONING SUBMISSION |

KEY PLAN

SCALE: 1" = 20'

STATE OF CONNECTICUT — WILLIAM G. WALTER — LICENSED PROFESSIONAL ENGINEER

PROJECT NO.: 70903.00
SCALE: 1" = 20'
DATE: 01/13/2026
DRAWN BY: RLC
CHECKED BY: WGW

# GRADING & DRAINAGE PLAN

DRAWING NO.:
**C3.0**

1 2 3 4

A B C D

## LEGEND

- PROPERTY LINE
- W — WATER LATERAL
- OH — OVERHEAD WIRE
- E — ELECTRICAL LINE
- FIBER CABLE
- G — GAS LATERAL
- S — SANITARY LATERAL
- UTILITY POLE

Sign "No Smoking"

24" Oak Tree
36" Oak Tree
24" Oak Tree
26" Oak Tree
24" Oak Tree
28" Oak Tree
30" Oak Tree

Subject Property
N/F
Town Of East Haddam
Area: 87,044± SF
2.00± Acres

W.F.-7
W.F.-8
W.F.-6
W.F.-5
W.F.-4
W.F.-3
W.F.-2
W.F.-1

100' UPLAND REVIEW AREA

WETLANDS LIMIT

Edge of Maintained Lawn

Sign "Stop & Do Not Enter"

TWO (2) 1,000-GALLON PROPANE TANKS

Sign "Stop & Do Not Enter"

GAS LATERAL

2,000-GALLON CONCRETE HOLDING TANK
TF: 255.50
INV: 251.11

Fernand Tremblay, Jr.
Volume 647, Page 160

15,000-GALLON UNDERGROUND WATER HOLDING TANK
TF: 255.15

Sign "Speed Limit 10"

GENERATOR

Propane Tank

1,000-GALLON OIL WATER SEPARATOR
TF: 255.95
INV (OUT): 251.16
INV (IN): 251.41

ELECTRICAL SECONDARY (TYP.)

TRANSFORMER

ELECTRICAL PRIMARY

Right Of Way (See Note 8)

Sign "Oak Grove"

Sign "Stop"

Sign "Cross Walk"

CL&P 4242 W/UG

RELOCATED CL&P 536 AND CONNECT TO PROPOSED TRANSFORMER

Approximate Perimeter Of Wetlands Per Report And Map

Paint Stripe (Typ.)

Stop Bar

Concrete Apron

Fire Station
(Metal Frame Building)

4" APPARATUS BAY DRAINS
INV: 252.00

66' - 4" SCH-40 PVC @ 1.00%
INV: 252.00
FF = 256.30

FF=258.86
FF=258.84

4X4X4X4 WYE INV: 251.52

16' - 4" SCH-40 PVC 3.69%

4X4X4 TEE INV: 251.71
(TYP. OF 2)

11' - 4" SCH-40 PVC 2.64%
(TYP. OF 2)

48' - 4" SCH-40 PVC 1.00%
(TYP. OF 2)

75'

PROPOSED WELL

WATER LATERAL

N/F
Dutch Investments, LLC
064, Page 152

2,500-GALLON UNDERGROUND DOUBLE WALL DECON TANK
TF: 256.95
INV: 251.44

30,000-GALLON UNDERGROUND FIRE STORAGE TANK

FIBER CABLE

CONNECT TO CL&P 4521

N/F
The Senior Housi
Corporation Of Ea
Haddam, Inc.
Volume 162, Page 160

William F. Palmer Road

Sign "Cross Walk"

26" Maple Tree
28" Maple Tree
Maple Tree


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**44 WILLIAM F. PALMER ROAD MOODUS, CT 06423**

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KEY PLAN

0 20' 40'
SCALE: 1" = 20'

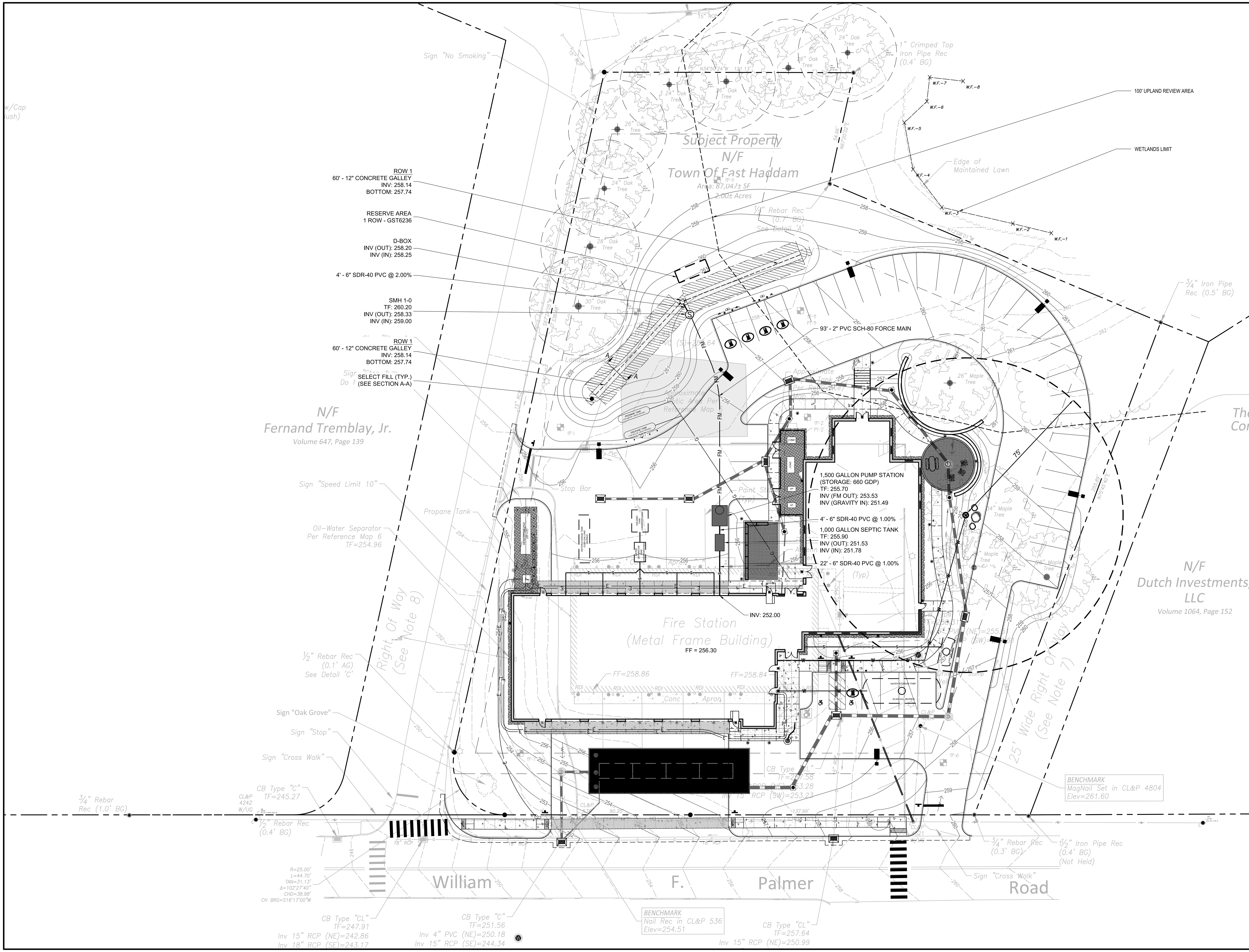
STATE OF CONNECTICUT
WILLIAM G. WALTER
LICENSED PROFESSIONAL ENGINEER

PROJECT NO.: 70903.00
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# UTILITY PLAN

DRAWING NO.:
**C4.0**




Prepared by:

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**MOODUS, CT 06423**

| DATE: | REVISION: |
|---|---|
| 02/16/2026 | PLANNING & ZONING SUBMISSION |

KEY PLAN

0 20' 40'
SCALE: 1" = 20'

STATE OF CONNECTICUT WILLIAM G. WALTER 29148 LICENSED PROFESSIONAL ENGINEER

PROJECT NO.: 70903.00
SCALE: 1" = 20'
DATE: 01/13/2026
DRAWN BY: RLC
CHECKED BY: WGW

**SEPTIC PLAN**

DRAWING NO.:
**C4.1**

## GENERAL NOTES (SEPTIC SYSTEM):

1. THE PROPERTY WILL BE SERVED BY WELL WATER AND A SUBSURFACE SEWAGE DISPOSAL SYSTEM. THERE ARE NO KNOWN POTABLE WATER SUPPLY WELLS WITHIN 75 FEET OF THE PROPOSED SEPTIC SYSTEMS.
2. THE USE OF A GARBAGE GRINDER **OR** A WATER SOFTENER IS NOT RECOMMENDED. IF A GARBAGE GRINDER IS INSTALLED, THE PROPOSED SEPTIC TANK SIZE SHALL BE INCREASED IN CONFORMANCE WITH THE PUBLIC HEALTH CODE.
3. NO PART OF THE SEPTIC SYSTEM SHALL BE INSTALLED WITHIN 25' OF ANY UPSLOPE FOOTING DRAIN OR WITHIN 50' OF ANY DOWNSLOPE DRAIN. NO PART OF THE PROPOSED SEPTIC SYSTEMS SHALL BE INSTALLED LESS THAN 25 FEET FROM ANY SURFACE DRAIN, UNLESS THAT DRAIN IS TIGHT-PIPE.
4. A MINIMUM OF 5 FEET OF SEPARATION MUST BE PROVIDED BETWEEN ANY PART OF THE SEPTIC SYSTEM AND ALL UNDERGROUND UTILITY TRENCHES. EXCAVATIONS BETWEEN 5 TO 25 FEET FROM THE SEPTIC SYSTEM SHALL NOT BE BACKFILLED WITH FREE DRAINING MATERIAL. ANY WATER LINES SHALL BE A MINIMUM OF 10 FEET FROM ANY PART OF ANY SEPTIC SYSTEM.

## GENERAL CONSTRUCTION NOTES (SEPTIC SYSTEM):

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CURRENT CONNECTICUT PUBLIC HEALTH CODE, AS AMENDED.
2. A LICENSED SURVEYOR SHALL FIELD STAKE THE SEPTIC SYSTEMS.
3. NO WORK SHALL COMMENCE IN THE SYSTEM AREAS UNTIL A SEPTIC PERMIT HAS BEEN TAKEN OUT BY THE LICENSED INSTALLER.
4. THE LICENSED INSTALLER SHALL PERFORM SITE PREPARATION AND SHOULD CONTACT "CALL BEFORE YOU DIG" AT 1-800-922-4455 TO VERIFY ALL UTILITY LOCATIONS.
5. THE LICENSED INSTALLER SHALL BE ON SITE DURING SYSTEM CONSTRUCTION. THE SYSTEM SHALL BE INSTALLED IN CONFORMANCE TO THESE PLANS. ANY REQUESTED MODIFICATIONS SHALL BE DISCUSSED WITH THE ENGINEER PRIOR TO CONSTRUCTION. ALL MODIFICATIONS MUST BE APPROVED BY THE ENGINEER AND LOCAL HEALTH DISTRICT PRIOR TO CONSTRUCTION.
6. THE LICENSED INSTALLER SHALL BE RESPONSIBLE FOR PREPARING THE LEACHING AREA IN A WORKMANLIKE MANNER. ALL NECESSARY STEPS SHALL BE TAKEN TO PROTECT THE UNDERLYING NATURALLY OCCURRING SOILS FROM OVER COMPACTION AND SILTATION ONCE EXPOSED.
7. THE INSTALLER SHALL NOTIFY THE ENGINEER AND LOCAL HEALTH OFFICIAL AT LEAST 24 HOURS IN ADVANCE OF BEING READY FOR A FINAL INSPECTION. THE ENGINEER AND SANITARIAN SHALL CONDUCT THE FINAL INSPECTION TOGETHER WITH THE LICENSED INSTALLER. NO DEVIATION FROM THE PLAN APPROVED BY THE SANITARIAN SHALL BE ALLOWED WITH PRIOR APPROVAL FROM THE SANITARIAN. THE SYSTEM SHALL NOT BE BACKFILLED WITHOUT THE APPROVAL AND CONSENT OF THE ENGINEER AND SANITARIAN.
8. A LICENSED ENGINEER OR SURVEYOR SHALL PREPARE A SEPTIC SYSTEM AS-BUILT DRAWING CERTIFYING THE SYSTEM IS CODE-COMPLIANT. THIS PLAN SHALL INCLUDE ALL ESSENTIAL ACCESS POINTS INCLUDING TANK MANHOLES, DISTRIBUTION BOXES AND LEACHING SYSTEM ENDS. THE AS-BUILT PLAN SHALL BE COMPLETED IN A TIMELY MANNER.
9. THE LEACHING SYSTEM SHALL BE PROPERLY COVERED BY THE LICENSED SYSTEM INSTALLER WITHIN TWO (2) WORKING DAYS FOLLOWING THE LOCAL HEALTH DISTRICT'S FINAL INSPECTION AND APPROVAL.
10. NO HEAVY EQUIPMENT SHALL BE DRIVEN OVER THE INSTALLED LEACHING SYSTEM AREAS UNTIL AREA IS BROUGHT TO FINAL GRADE AND PAVEMENT IS INSTALLED.
11. ALL COMPONENTS OF THE PROPOSED SEPTIC SYSTEM SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND PUBLIC HEALTH CODE REQUIREMENTS. A MINIMUM OF 6" OF COVER SHALL BE PROVIDED OVER ALL SEPTIC SYSTEM COMPONENTS.
12. THE LICENSED INSTALLER IS RESPONSIBLE TO INSTALL THE SUBSURFACE SEWAGE DISPOSAL SYSTEM IN ACCORDANCE WITH THE APPROVED PLAN.
13. A TWO-PART H-20 CONCRETE SEPTIC TANK SHALL BE USED BUT MUST BE MADE 100% WATERTIGHT BY GASKETING AND MORTARING ALL JOINTS. IF A TWO-PART TANK IS USED , IT SHALL BE FILLED WITH WATER ABOVE THE JOINT AND INSPECTED BY THE ENGINEER AND/OR THE LOCAL HEALTH OFFICIAL WITHIN 24 HOURS. THE CONTRACTOR SHALL MONITOR THE WATER LEVEL IN THE TANK DURING THIS PERIOD AND SHALL PERMANENTLY REPAIR ANY LEAKS TO THE SATISFACTION OF THE ENGINEER AND THE LOCAL HEALTH OFFICIAL.
14. NO PART OF THE PROPOSED SEPTIC SYSTEM SHALL BE INSTALLED LESS THAN 25 ' FROM THE BUILDING OR LESS THAN 15' FROM ANY PROPERTY LINE.
15. THE CONTRACTOR SHALL GRADE THE AREA IN THE VICINITY OF THE LEACHING FIELD IN SUCH A MANNER THAT ALL SURFACE RUNOFF IS SUFFICIENTLY DIRECTED AWAY FROM THE LEACHING FIELD AREA.

## SEPTIC ANALYSIS (FIRE HOUSE)

DESIGN FLOW

- 5 FULL TIME EMPLOYEES x 20 GPD/EMPLOYEE = 100 GPD
- 50 VISITORS (1 TIME/WEEK FOR 4 HOURS) x 20 GPD/VISITOR / 2 = 500 GPD
- TOTAL = 600 GPD

MLSS
MLSS = HF x FF x PF

HF (TP1-4)
RSD = 26 IN.
HG = 2.6% (AVG)
HF (26 IN, 2.6%) = 48

FF = DESIGN FLOW / 300
DESIGN FLOW = 600 GPD
FF = 600/300 = 2

PF (PT-3)
PF = 1.0

MLSS = HF x FF x PF
= 48 x 2 x 1.0 = 96

EFFECTIVE LEACHING AREA (ELA) REQUIRED

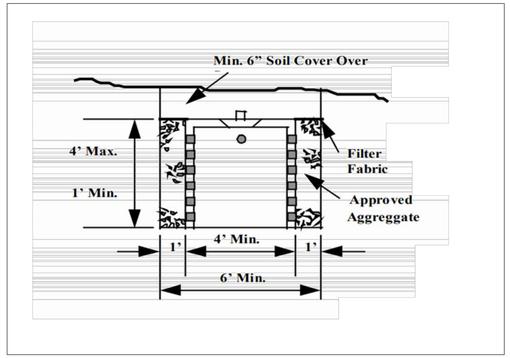
- DESIGN FLOW = 600 GPD
- APPLICATION RATE = 1.5 (TABLE 8)
- ELA REQUIRED = 600 GPD / 1.5 GPD/SF = 400 SF

EFFECTIVE LEACHING AREA (ELA) PROVIDED

- PERC RATE = 2.5 MIN / INCH
- USE 12" CONCRETE GALLEY (5.9 SF / LF)
- LENGTH = 120 LF
- ELA = 120 LF x 5.9 LF / SF = 708 SF > 400 SF

RESERVE AREA

- PERC RATE = 1.6 MIN / INCH
- APPLICATION RATE = 1.5 (TABLE 8)
- ELA REQUIRED = 600 / 1.5 = 400 SF
- USE 1 ROW OF 28 LF GST 6236 (26.2 SF/LF)
- ELA PROVIDED = 28 LF X 26.2 SF / LF = 734 SF > 400 SF




12" CONCRETE GALLEY

## PERCOLATION TEST DATA:

CONDUCTED BY: WILL WALTER ON 09/24/25

PT - 2 (TP-2)
DATE: 09-24-2025
TOP OF HOLE = 24" BELOW GRADE
DEPTH OF PERC HOLE = 16"

| DEPTH (INCHES) | TIME |
|---|---|
| 6.50" | 8:57am |
| 12.50" | 9:02am |
| 15.50" | 9:07am (MINOR PONDING) |

PERCOLATION RATE: 1.6 MIN./INCH

PT - 3 (TP-2)
DATE: 09-25-2025
TOP OF HOLE = 24" BELOW GRADE
DEPTH OF PERC HOLE = 12"

| DEPTH (INCHES) | TIME |
|---|---|
| 4.50" | 9:09am |
| 7.50" | 9:14am |
| 9.50" | 9:19am |
| 11.50" | 9:24am (DRY) |

PERCOLATION RATE: 2.5 MIN./INCH

## SOIL TESTING:

Rachel Colonni, RS, Sanitarian - Chatham Health District
Will Walter, P.E. - Benesch

TP-1
0'-8" Topsoil
8"-15" Orange Brown Fine Sandy Loam
15"-26" Light Grey Brown Fine Silty Sand and Stones
26"-59" Grey Medium Fine Sand and Stones, Compact
Depth to Decomposed Rock = 59"
Restrictive Layer Mottles @ 26"

TP-2
0'-9" Topsoil
9"-13" Fill
13"-15" Original Topsoil
15"-24" Orange Brown Fine Silty Sandy Loam
24"-40" Grey Brown Fine Silty Sand and Stones
40"-68" Olive Brown Medium Sand and Stones with Silt
15"-24" Orange Brown Fine Silty Sandy Loam
Depth to Decomposed Rock = 68"
41" Mottles
Restrictive Layer 41" - 13" (Fill) = 28"

TP-3
0'-9" Topsoil
9"-27" Brown Fine Sandy Loam
27"-45" Light Grey Brown Fine Silty Sand and Stones
45"-59" Grey Medium Fine Sand and Stones, Compact
Depth to Decomposed Rock = 59"
Restrictive Layer Mottles @ 30"

TP-4
0"-10" Topsoil
10"-20" Brown Fine Sandy Loam
20"-41" Orange Brown Fine Silty Sand and Stones
41"-62" Olive Brown Medium Sand and Stones with Silt
Depth to Decomposed Rock = 68"
Restrictive Layer Mottles @ 32"

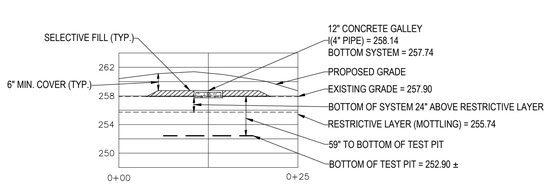
## SOIL TESTING:

Will Walter, P.E. - Benesch

TP-5 (Stormwater)
0"-48" Fine Sandy Loam
48" Decomposed Rock
No Mottling

TP-6 (Stormwater)
0"-78" Fine Sandy Loam
78" Decomposed Rock
No Mottling

TP-7 (Stormwater)
0"-90" Fine Sandy Loam
90" Decomposed Rock
No Mottling




SECTION A-A
SCALE: 1"=10' H & V

PLACEMENT OF SELECT FILL, COMMON FILL, AND TOP SOIL SHALL MEET THE MINIMUM REQUIREMENTS OF THE CT DPH TECHNICAL STANDARDS FIGURE 13.

## APPROVED SAND GRANULATION

| SIEVE SIZE | PERCENTAGE PASSING BY MASS |
|---|---|
| 9.5 mm (3/8") | 100 |
| 4.75 mm (#4) | 95 - 100 |
| 2.36 mm (#8) | 80 - 100 |
| 1.18 mm (#16) | 50 - 85 |
| 600 µm (#30) | 25 - 60 |
| 300 µm (#50) | 5 - 30 |
| 150 µm (#100) | 0 - 10 |
| 75µm (#20) | 0 - 3 |

## 1000 GALLON REGULAR SEPTIC TANK

TANK DESIGN SPECIFICATION CONFORMS TO LATEST: ASTM DESIGNATION C1227

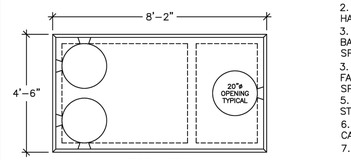
NOTES:

1. JOINT SEALANT IS BUTYL RUBBER MASTIC TYPE SEAL THAT CONFORMS TO LATEST AASHTO SPECIFICATION M-198. MEETS FEDERAL SPECIFICATION SS-S-0021(210-A).
2. PIPE INLET AND OUTLET LOCATIONS HAVE POLYLOK II PIPE SEALS.
3. REINFORCING STEEL DEFORMED BARS CONFORM TO LATEST ASTM SPECIFICATION A615.
3. REINFORCING STEEL WELDED WIRE FABRIC CONFORM TO LATEST ASTM SPECIFICATION A185.
5. CONCRETE COMPRESSIVE STRENGTH- 4000 PSI AT 28 DAYS.
6. METHOD OF MANUFACTURE: WET CAST.
7. SECTIONS ARE MONOLITHIC.

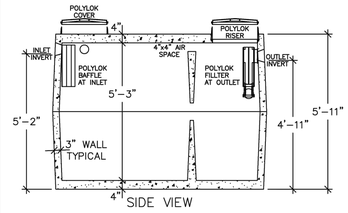
WEIGHT CHART

| PRODUCT | APPROX WEIGHT |
|---|---|
| TANK | 9500 LBS. |

THIS MUST BE HS-20 LOADING




TOP VIEW
(COVERS AND RISERS REMOVED)




SIDE VIEW

UNITED CONCRETE PRODUCTS INC.
173 CHURCH STREET YALESVILLE, CT 06492
TEL. 800 234-3119 (203) 269-3119
FAX. (203) 265-4941

## 1000 GALLON HS-20 PRE-TREATMENT

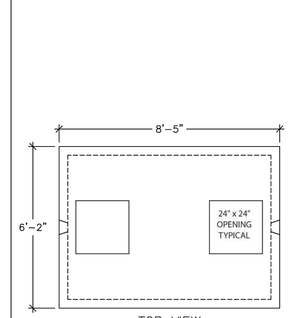
TANK DESIGN SPECIFICATIONS CONFORMS TO LATEST: ASTM DESIGNATION C913

NOTES:

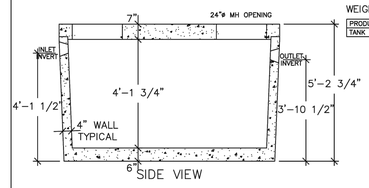
1. JOINT SEALANT IS BUTYL RUBBER MASTIC TYPE SEAL THAT CONFORMS TO LATEST AASHTO SPECIFICATION M-198. MEETS FEDERAL SPECIFICATION SS-S-0021(210-A).
2. PIPE INLET AND OUTLET LOCATIONS HAVE POLYLOK II PIPE SEALS, TYPICAL. CUSTOM KNOCKOUTS CAN BE CAST ON REQUEST.
3. WHEN SPECIFIED THE TANK EXTERIOR IS COATED WITH BAY OIL, "EBONY" OR EQUAL.
4. WHEN SPECIFIED THE TANK INTERIOR IS COATED WITH FLOROK EPOXY OR EQUAL.
5. REINFORCING STEEL DEFORMED BARS CONFORM TO LATEST ASTM SPECIFICATION A615.
6. CONCRETE COMPRESSIVE STRENGTH- 4000 PSI AT 28 DAYS.
7. METHOD OF MANUFACTURE: WET CAST.
8. BASE SECTION IS MONOLITHIC.
9. THE TANK IS DESIGNED FOR HS-20 LOADING w/18" OF SOIL COVER.

WEIGHT CHART

| PRODUCT | APPROX WEIGHT |
|---|---|
| TANK | 14300 LBS. |




TOP VIEW




SIDE VIEW

UNITED CONCRETE PRODUCTS INC.
173 CHURCH STREET YALESVILLE, CT 06492
TEL. 800 234-3119 (203) 269-3119
FAX. (203) 265-4941

Prepared by:
benesch
Alfred Benesch & Company
200 Glastonbury Boulevard, Suite 201
Glastonbury, Connecticut 06033
860-633-8341

Prepared for:

NEW CONSTRUCTION
EAST HADDAM FIREHOUSE #2
44 WILLIAM F. PALMER ROAD MOODUS, CT 06423

| DATE: | REVISION: |
|---|---|
| 02/16/2026 | PLANNING & ZONING SUBMISSION |

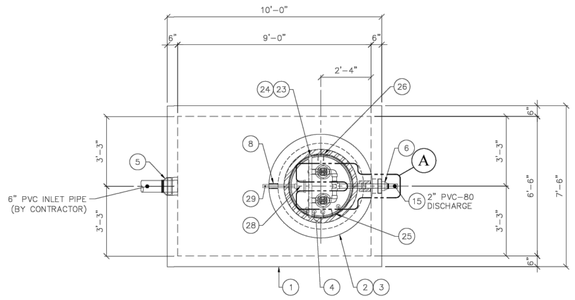
KEY PLAN

STATE OF CONNECTICUT · WILLIAM G. WALTER · LICENSED PROFESSIONAL ENGINEER

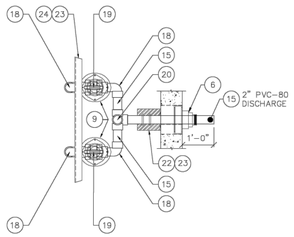
PROJECT NO.: 70903.00
SCALE: AS SHOWN
DATE: 01/13/2026
DRAWN BY: RLC
CHECKED BY: WGW

**SEPTIC NOTES & DETAILS**

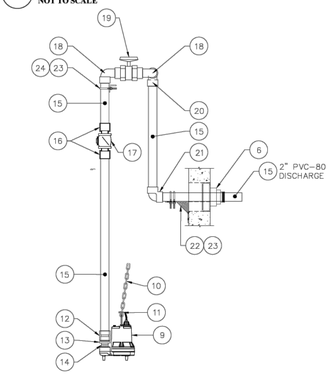
DRAWING NO.:
**C4.2**



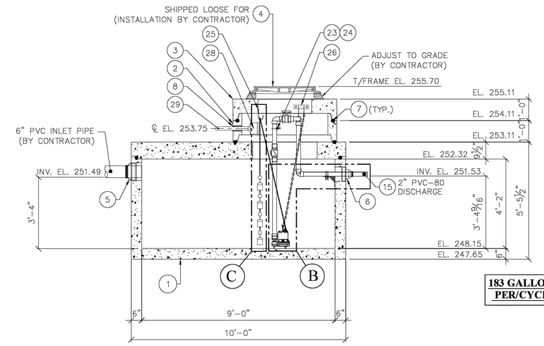

**PLAN VIEW**



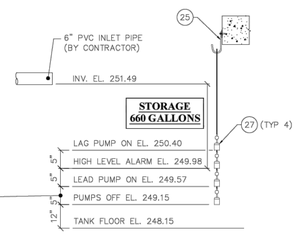

**A DISHCHARGE PIPING DETAIL - TOP VIEW**
NOT TO SCALE




**B SIDE VIEW OF DISHCHARGE PIPING**
NOT TO SCALE




**TYPICAL SECTION**




**C LEVEL SETTINGS DETAIL**
NOT TO SCALE

## GENERAL NOTES:

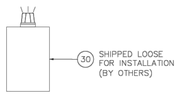
1. SEE STRUCTURAL CALCULATIONS FOR PRODUCTION SPECIFICATIONS.
2. CONCRETE COMPRESSIVE STRENGTH: 5,000 PSI @ 28 DAYS.
3. STRUCTURE SHALL BE WET CAST USING A SELF COMPACTING CONCRETE MIX.
4. REINFORCING STEEL DEFORMED BARS CONFORM TO LATEST ASTM SPECIFICATION A706, GRADE 60.
5. JOINT SEALANT IS BUTYL RUBBER MASTIC TYPE SEAL THAT CONFORMS TO LATEST AASHTO SPECIFICATION M 198. MEETS FEDERAL SPECIFICATION SS-S-0021(210-A).
6. EXTERIOR OF STRUCTURE SHALL BE COATED WITH BAY OIL "EBONY"
7. INTERIOR OF STRUCTURE SHALL BE NATURAL CONCRETE FINISH.
8. ALL HARDWARE SHALL BE 304 SERIES STAINLESS STEEL.
9. CONTROL PANEL TO BE SHIPPED LOOSE FOR INSTALLATION IN THE FIELD BY OTHERS.

WEIGHT CHART

| PRODUCT | APPROX WEIGHT |
|---|---|
| 4' I.D. FLAT TOP W/30" OPENING | 1,500 LBS. |
| 4' I.D. RISER x 1'-0"H | 900 LBS. |
| 1,500 GALLON PUMP CHAMBER | 23,800 LBS. |

***Job No. 28109 East Haddam Fire House #2 William Palmer Rd East Haddam, Connecticut***

| Item | Description | QTY | Part # | Manufacturer |
|---|---|---|---|---|
| 1 | 1,500 Gallon Pump Chamber | 1 | EPS-1 | United Concrete |
| 2 | 4' Ø Riser 1'-0" High | 1 | EPS-1 | United Concrete |
| 3 | 4' Ø Flat Top w/30" Opening 1'-0" High | 1 | EPS-1 | United Concrete |
| 4 | Cast Iron Frame & Cover 30" x 4" | 1 | 13251 | General Foundries |
| 5 | 6" Pipe Boots For inlets | 2 | S406-10AW | Trelleborg |
| 6 | 2" Pipe Boot For Discharge | 1 | S106-8MWS | Trelleborg |
| 7 | Concrete Joint Sealant | 2 | CS-102 | Conseal |
| 8 | Hydraulic Water Stop | A/R | - | Quikcrete |
| 9 | Effluent Pump 1/3 HP, 230/1/60 w/25 Feet Cable | 2 | FL32M-2 | Liberty Pump |
| 10 | Chain 3/16" 304 S.S | 20' | - | Conery Mfg. |
| 11 | Shackles 1/4" 304 S.S | 4 | - | Conery Mfg. |
| 12 | 2" PVC-80 Coupling | 2 | 829-020 | Spears |
| 13 | PVC-80 2"Skt x 1 1/2" NPT Reducer Bushing | 2 | 838-251 | Spears |
| 14 | Nipple Sch. 40 1 1/2" x 2" Long 304SS | 2 | - | Ta-Chen |
| 15 | 2" PVC-80 Pipe | 20' | - | Charlotte Pipe |
| 16 | 2" PVC-80 Male Adaptors | 4 | 836-020 | Spears |
| 17 | 2" Swing Check Valve NPT Brass | 2 | T-451 | Legend |
| 18 | 2" PVC-80 90° Street Elbow | 4 | 809-020 | Spears |
| 19 | 2" True Union Ball Valve | 2 | - | Legend |
| 20 | 2" PVC-80 Tee | 1 | 801-020 | Spears |
| 21 | 2" PVC-80 90° Elbow | 1 | 806-020 | Spears |
| 22 | Aluminum Discharge Support Bracket | 1 | RSB-A | Beauchmin |
| 23 | 2" IPS U-Bolt 304SS | 3 | - | FM Stainless |
| 24 | Aluminum Angle 2" x 2" x 1/4" | 4' | - | Yarde Metals |
| 25 | 5 Hook Cable Holder 304 S.S | 1 | CH-5-304SS | Beauchmin |
| 26 | 2 Hook Cable Holder 304 S.S | 2 | CH-2-304SS | Beauchmin |
| 27 | Eco Float 30' w/ Weight | 4 | GSE-30NO | Anchor Scientific |
| 28 | Junction Box Nema 4X Fiberglass | 1 | JX-6 x 6 x 6 | Anchor Scientific |
| 29 | Conduit 1 1/2" PVC-40 | 3' | - | Carlon |
| 30 | Control Panel 230/1/60 (Fusion) | 1 | FD230ACB-OL5.5-X | CSI |




**DUPLEX PUMP CONTROL PANEL**
NOT TO SCALE

DRAWING LOG

| REV NO. | DATE | DRAWN BY | DESCRIPTION |
|---|---|---|---|
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| 12/3/2025 | | ISSUED TO ENGINEER | |

UNITED CONCRETE PRODUCTS BUILDING GROUP, INC.
**UNITED CONCRETE PRODUCTS INC.**
173 Church Street Yalesville, CT 06492
(800) 234-3119 Fax: (203) 265-4941

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| | |
|---|---|
| CUSTOMER: | BENESCH |
| JOB NAME: | EAST HADDAM FIRE HOUSE #2 |
| JOB LOCATION: | 44 WILLIAM PALMER RD EAST HADDAM, CT |
| DWG TITLE: | 1,500 GALLON PUMP STATION |
| DRAWN BY: JAK | DATE: 12/3/2025 |
| QM CHK'D: | DATE: - |
| JOB NO.: 28109 | SCALE: 3/8" = 1'-0" |
| DRAWING NO.: | EPS-1 |

Prepared by:
benesch
Alfred Benesch & Company
200 Glastonbury Boulevard, Suite 201
Glastonbury, Connecticut 06033
860-633-8341

Prepared for:

***NEW CONSTRUCTION***
***EAST HADDAM FIREHOUSE #2***
***44 WILLIAM F. PALMER ROAD MOODUS, CT 06423***

| DATE: | REVISION: |
|---|---|
| 02/16/2026 | PLANNING & ZONING SUBMISSION |

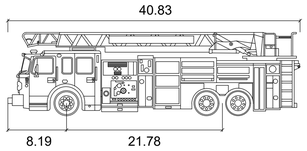
KEY PLAN




PROJECT NO.: 70903.00
SCALE: AS SHOWN
DATE: 01/13/2026
DRAWN BY: RLC
CHECKED BY: WGW

***SEPTIC NOTES DETAILS***

DRAWING NO.:
**C4.3**




Spartan Gladiator Star Series Aerial

| | feet |
|---|---|
| Width | : 8.25 |
| Track | : 7.87 |
| Lock to Lock Time | : 6.0 |
| Steering Angle | : 46.3 |




Prepared by:

benesch

Alfred Benesch & Company
200 Glastonbury Boulevard, Suite 201
Glastonbury, Connecticut 06033
860-633-8341

Prepared for:

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| DATE: | REVISION: |
|---|---|
| 02/16/2026 | PLANNING & ZONING SUBMISSION |

KEY PLAN

0 20' 40'
SCALE: 1" = 20'

STATE OF CONNECTICUT
WILLIAM G. WALTER
LICENSED
PROFESSIONAL ENGINEER

PROJECT NO.: 70903.00
SCALE: 1" = 20'
DATE: 01/13/2026

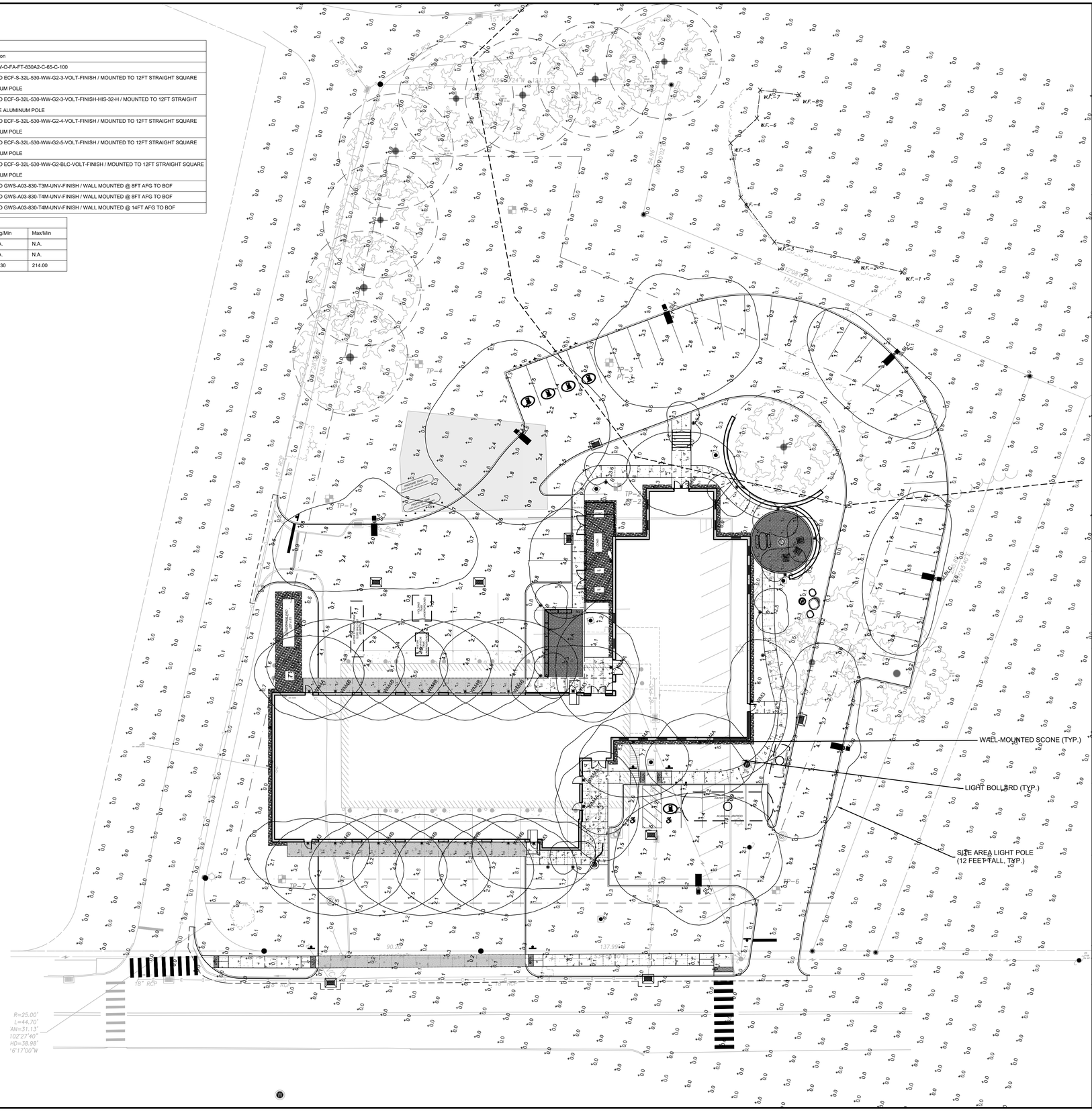
DRAWN BY: RLC
CHECKED BY: WGW

**TURNING MOVEMENTS PLAN**

DRAWING NO.:
**C5.0**

| Luminaire Schedule | | | | | | | |
|---|---|---|---|---|---|---|---|
| Qty | Label | Arrangement | Lumens | Input Watts | LLF | BUG Rating | Description |
| 10 | B | Single | 1220 | 12.94 | 0.900 | B0-U2-G0 | VICE EW-O-FA-FT-830A2-C-65-C-100 |
| 1 | SL3 | Single | 7055 | 55.7 | 0.900 | B1-U0-G2 | GARDCO ECF-S-32L-530-WW-G2-3-VOLT-FINISH / MOUNTED TO 12FT STRAIGHT SQUARE ALUMINUM POLE |
| 1 | SL3S | Single | 5579 | 55.7 | 0.900 | B1-U0-G2 | GARDCO ECF-S-32L-530-WW-G2-3-VOLT-FINISH-HIS-32-H / MOUNTED TO 12FT STRAIGHT SQUARE ALUMINUM POLE |
| 2 | SL4 | Single | 7327 | 55.7 | 0.900 | B1-U0-G2 | GARDCO ECF-S-32L-530-WW-G2-4-VOLT-FINISH / MOUNTED TO 12FT STRAIGHT SQUARE ALUMINUM POLE |
| 1 | SL5 | Single | 7526 | 55.7 | 0.900 | B3-U0-G2 | GARDCO ECF-S-32L-530-WW-G2-5-VOLT-FINISH / MOUNTED TO 12FT STRAIGHT SQUARE ALUMINUM POLE |
| 2 | SLBLC | Single | 5005 | 54.87481 | 0.900 | B0-U0-G2 | GARDCO ECF-S-32L-530-WW-G2-BLC-VOLT-FINISH / MOUNTED TO 12FT STRAIGHT SQUARE ALUMINUM POLE |
| 4 | WM3 | Single | 3570 | 24.6 | 0.900 | B1-U0-G1 | GARDCO GWS-A03-830-T3M-UNV-FINISH / WALL MOUNTED @ 8FT AFG TO BOF |
| 8 | WM4A | Single | 3485 | 24.6 | 0.900 | B1-U0-G1 | GARDCO GWS-A03-830-T4M-UNV-FINISH / WALL MOUNTED @ 8FT AFG TO BOF |
| 10 | WM4B | Single | 3485 | 24.6 | 0.900 | B1-U0-G1 | GARDCO GWS-A03-830-T4M-UNV-FINISH / WALL MOUNTED @ 14FT AFG TO BOF |

| Calculation Summary | | | | | | |
|---|---|---|---|---|---|---|
| Label | Grid Height | Avg | Max | Min | Avg/Min | Max/Min |
| PARKING AND DRIVE LANES | 0 | 1.67 | 8.1 | 0.0 | N.A. | N.A. |
| SITE | 0 | 0.50 | 23.6 | 0.0 | N.A. | N.A. |
| WALKS | 0 | 5.23 | 21.4 | 0.1 | 52.30 | 214.00 |





Prepared by:

benesch

Alfred Benesch & Company
200 Glastonbury Boulevard, Suite 201
Glastonbury, Connecticut 06033
860-633-8341


Prepared for:

**NEW CONSTRUCTION**
**EAST HADDAM FIREHOUSE #2**
**44 WILLIAM F. PALMER ROAD** **MOODUS, CT 06423**

| DATE: | REVISION: |
|---|---|
| 02/16/2026 | PLANNING & ZONING SUBMISSION |

KEY PLAN

SCALE: 1" = 20'

STATE OF CONNECTICUT
WILLIAM G. WALTER
LICENSED
PROFESSIONAL ENGINEER

PROJECT NO.: 70903.00
SCALE: 1" = 20'
DATE: 01/13/2026

DRAWN BY: RLC
CHECKED BY: WGW

# PHOTOMETRIC PLAN

DRAWING NO.:
**C6.0**

GARDCO

Site and Area

EcoForm

ECF-S small area light



**Gardco EcoForm Gen-2** combines economy with performance in an LED area luminaire. Capable of delivering up to 27,800 lumens or more in a compact, low profile LED luminaire, EcoForm offers a new level of customer value. EcoForm features an innovative retrofit arm kit, simplifying site conversions to LED by eliminating the need to drill additional holes in most existing poles. Integral control systems available for further energy savings. Includes Service Tag, our innovative way to provide assistance throughout the life of the product.

Project:
Location:
Cat.No:
Type:
Lamps: Qty:
Notes:

## Ordering guide

**Example:** ECF-S-64L-900-NW-G2-AR-5-120-HIS-MGY

| Prefix | Number of LEDs | Drive Current | LED Color – Generation | Mounting | Distribution | Voltage |
|---|---|---|---|---|---|---|
| ECF-S | | | | | | |
| **ECF-S** EcoForm site and area, small | **32L** 32 LEDs (2 modules)<br>**48L** 48 LEDs (3 modules)<br>**64L** 64 LEDs (4 modules) | **365** 365 mA<br>**530** 530 mA<br>**700** 700 mA<br>**1A** 1050 mA<br>**1.2A** 1200 mA<br>**900** 900 mA<br>**1A** 1050 mA<br>**1.2A**[4] 1200 mA<br>**900** 900 mA<br>**1A**[4] 1050 mA | **WW-G2** Warm White 3000K, 70CRI Generation 2<br>**NW-G2** Neutral White 4000K, 70CRI Generation 2<br>**CW-G2** Cool White 5000K, 70CRI Generation 2 | **AR**[1] Arm Mount (standard)<br>The following mounting kits must be ordered separately (See accessories)<br>**SF**[1] Slip Fitter Mount (fits to 2⅜" O.D. tenon)<br>**WS** Wall mount with surface conduit cover entry permitted Retrofit arm mount kit<br>**RAM**[1] | **Type 2**<br>**2** Type 2 Rotated left 90°<br>**2-90** Rotated right 90°<br>**2-270** Rotated right 270°<br>**Type 3**<br>**3** Type 3 Rotated left 90°<br>**3-90** Rotated right 90°<br>**3-270** Rotated right 270°<br>**Type 4**<br>**4** Type 4, Rotated left 90°<br>**4-90** Rotated right 90°<br>**4-270** Rotated right 270°<br>**Type 5**<br>**5** Type 5<br>**SW** Type SW<br>**AFR** Auto Front Row<br>**AFR-90** Auto Front Row Rotated right 90°<br>**AFR-270** Auto Front Row Rotated right 270°<br>**BLC** Back Light Control<br>**BLC-90** Back Light Control rotated right 90°<br>**BLC-270** Back Light Control rotated at 270°<br>**LCL**[14] LEED-Corner Optic Left<br>**RCL**[14] LEED-Corner Optic Right | **120** 120V<br>**208** 208V<br>**240** 240V<br>**277** 277V<br>**347** 347V<br>**480** 480V<br>**UNV** 120-277V (50/60Hz)<br>**HVU** 347-480V (50/60Hz) |

| Options | | | | | | |
|---|---|---|---|---|---|---|
| Dimming controls | Motion sensing lens | Photo-sensing | Options | Luminaire | Finish |
| **DD**[5,9] 0-10V External dimming (for controls by others)<br>**DCC**[1,5,9,15] Dual Circuit Control<br>**FAWS**[5,9,15] Field Adjustable Wattage Selector<br>**SRDR**[1,4,5,9,11] SR driver connected to Zhaga socket<br><br>**DynaDimmer:** Automatic Profile Dimming<br>**CS50**[5,9] Safety 50% Dimming, 7 hours<br>**CM50**[4,5] Median 50% Dimming, 8 hours<br>**CS30**[5,9] Safety 30% Dimming, 7 hours<br>**CM30**[4,5] Median 30% Dimming, 8 hours<br><br>**BL**[1,4,5,19] Bi-level functionality<br><br>**WIAP**[4,5,15] Wireless Interact (includes SR driver and SR receptacle – do NOT select SRDR) | **IMR3**[19] Integral with #3 lens<br>**IMR7**[19] Integral with #7 lens<br><br>**LB** Low (7-15' mounting height) sensor, Black color housing<br>**LW** Wireless Interact, integral Low (7-15' mounting height) sensor, White color housing<br>**HB** High (15'-40' mounting height) sensor, Black color housing<br>**HW** High (15'-40' mounting height) sensor, White color housing | **PCB**[4,5] Photocontrol Button<br>**TLRDS**[16,17] Twist Lock Receptacle 5 Pin<br>**TLRD7**[16,17] Twist Lock Receptacle 7 Pin<br>**TLRPCS**[4,5,17] Twist Lock Receptacle w/Photocell | **Fusing**<br>**F1**[6] Single (120, 277, 347VAC)<br>**F2**[6] Double (208, 240, 480VAC)<br>**Pole Mount Fusing**<br>**FP2**[6] Double (208, 240, 480VAC)<br>**FP3**[6] Canadian Double Pull (208, 240, 480VAC)<br>**Surge Protection** (10kA standard)<br>**SP2** Increased 20kA<br>**BAC**[20,21] Meets the requirements of the Buy American Act of 1933 (BAA) | Square Pole Adapter included in standard product<br>**TB**[6] Terminal Block<br>**RPA**[6] Round Pole Adapter (fits to 3"– 3.9" O.D. pole)<br>**HIS**[6] Internal House Side Shield | **Textured**<br>**BK** Black<br>**WH** White<br>**BZ** Bronze<br>**DGY** Dark Gray<br>**MGY** Medium Gray<br>**Customer specified**<br>**KAL** Specify optional color or RAL (ex: RAL7024)<br>**CC** Custom color (Must supply color chip for required factory quote) |

1. BL-IMR3/7 equipped with out-boarded sensor housing when voltage is HVU (347-480V)
2. Mounts to a 4" round pole with adapter included for square poles.
3. Not available with Motion sensing lens aiming above horizontal.
4. Not available with other dimming control options.
5. Not available with motion sensor.
6. Not available with photocontrol.
7. Must specify a motion sensor lens.
8. Not available in 347 or 480V.
9. Must specify input voltage.
10. TLRDS, TLRD7 and TLRPC receptacle pins 4 & 5 are capped off when ordered with any of the Dimming controls DD or FAWS or LLC.
11. Not available in 480V. Order photocell separately with TLRDS/7.
12. Not available with DCC.
13. Not available with SF and WS. RPAs provided with black finish standard.
14. Not available with Type 5, SW, BLC, BLC-90, BLC-270, LCL or RCL optics.
15. Not available with DD, DCC, FAWS, SRDR, or WIAP dimming control options. The WIAP must be combined with Motion sensing lens LB or LW or HB or HW.
16. When ordering SRDR, controller (by others) to be used on socket must be SR compatible (See specifications for more details). Consult factory for lead time. All 7 pins in NEMA receptacle are connected to SR driver. SRDR not available with TLRDS or TLRPC.
17. 0-10V dimming driver standard.
18. LCL and RCL not available with 48L-1.2A or 64L-1A.
19. Not available with BL.
20. Extended lead times apply. Contact factory for details
21. Failure to properly select the "BAC" suffix could result in you receiving product that is not BAA compliant product with no recourse for an RMA or refund. This BAC designation hereunder does not address (1) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (2) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies.

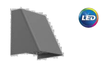


GARDCO

Wall Mount

GeoForm

GWS LED wall sconce



**Geoform wedge small LED wall sconce GWS** features a compact geometric design that will complement a range of architectural styles. GeoForm wedge small features specialized, highly efficient optics which balance low glare with excellent performance. Type 2, 3 and 4 optical distributions are available with up to 5500 lumens. A diffuse lens option is also available for over doorway applications. Emergency battery backup option provides path-of-egress illumination. Multiple control options, including wireless Interact Pro outdoor, further enhance energy savings.

Project:
Location:
Cat.No:
Type:
Lamps: Qty:
Notes:

## Ordering guide

**example:** GWS-A01-830-T2M-120-BK

| Luminaire | Configuration (nom. lumens) | Color Temperature | Distribution | Voltage | Dimming Controls[1] | Electrical | Options | Finish |
|---|---|---|---|---|---|---|---|---|
| **GWS** GeoForm Wedge Small | **A01**[1] 1,500 lumens<br>**A02**[1] 2,500 lumens<br>**A03** 4,000 lumens<br>**A04** 6,000 lumens<br>**A05** 6,000 lumens | **830** 80CRI 3000K<br>**840** 80CRI 4000K<br>**740** 70CRI 4000K<br>**750** 70CRI 5000K | **T2M** Type 2<br>**T3M** Type 3<br>**T4M** Type 4<br>**DFL** Diffusing lens | **120** 120V<br>**208** 208V<br>**240** 240V<br>**277** 277V<br>**UNV** 120-277V<br>**347** 347V<br>**480** 480V<br>**HVU** 347-480V | **none** Leave blank (0-10V dimming driver standard)<br>**DLEA**[2] Dimming Leads Externally Accessible (controls by others)<br>**FAWS**[3] Field Adjustable Wattage Selector | **none** Leave blank (10kV kA surge protection standard)<br>**SP2** Surge Protector 20kV/10kA<br>**FS1** Single Fuse (120, 277, or 347VAC)<br>**FS2** Double Fuse (208V, 240V, or 480V)<br>**PCB**[4] Photocontrol Button (120-277V) | **none** Leave blank<br>**EM**[5] Emergency Battery Pack (0-40°C)<br>**BAC**[6] Meets the requirements of the Buy American Act of 1933 (BAA) | **Textured**<br>**BK** Black<br>**WH** White<br>**BZ** Bronze<br>**DG** Dark Gray<br>**MG** Medium Gray<br>**Customer specified**<br>**CC** Specify optional color or RAL, contact factory<br>**SC** Special Color (must supply color chip, requires factory quote) |

1. Only available from 120–277V, or in UNV.
2. Only one option can be selected from Dimming Controls column.
3. Only available from 120–277V, must specify voltage.
4. Failure to properly select the "BAC" suffix could result in you receiving product that is not BAA compliant product with no recourse for an RMA or refund. This BAC designation hereunder does not address (1) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (2) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies.
5. Consult Signify to confirm whether specific accessories are BAA-compliant.

### Luminaire Accessories (order separately)[5]

**GF-WS-BK** Wall Mounted Box for surface conduit, painted black
**GF-INV** Inversion Mounting kit (required with inverted mounting)



# E-WALK – IP65 / BOLLARD
## FLOOR MOUNTED WITH ANCHORAGE



The E-Walk is a versatile and modern outdoor lighting solution, perfect for enhancing pathways, gardens, and various outdoor spaces. Its sleek design complements a wide range of architectural styles, making it ideal for both residential and commercial applications.

- The E-Walk features two advanced optics options: a flat distribution for uniform, widespread lighting, and a forward throw distribution for directional illumination.
- Compliant with Dark Sky standards, it minimizes light pollution while maintaining excellent energy efficiency.
- Built with durable materials, the bollard is engineered to withstand harsh weather conditions.
- E-Walk provides excellent visibility, making outdoor areas more secure and inviting.

IP65 IK07

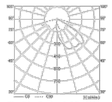
### Luminaire
**Application:** Pathway
**Body Material:** Corten Steel

### Installation
**Operating Temperature:** -10 to 50°C

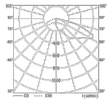
### Optics
**Optic Type:** UV stabilized TIR Lens

### Electrical equipment
**Mains Voltage:** 220-240 VAC 50/60 Hz
**Control Gear Efficacy:** > 85%

### Polar Curves



Flat Distribution LOR: 62%



Forward Throw LOR: 62%




projects@vicelighting.com - **www.vicelighting.com**

We reserve the right to make technical changes without prior notice

Prepared by:
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Alfred Benesch & Company
200 Glastonbury Boulevard, Suite 201
Glastonbury, Connecticut 06033
860-633-8341

Prepared for:

**NEW CONSTRUCTION**
**EAST HADDAM FIREHOUSE #2**
**44 WILLIAM F. PALMER ROAD**
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| DATE: | REVISION: |
|---|---|
| 02/16/2026 | PLANNING & ZONING SUBMISSION |

KEY PLAN

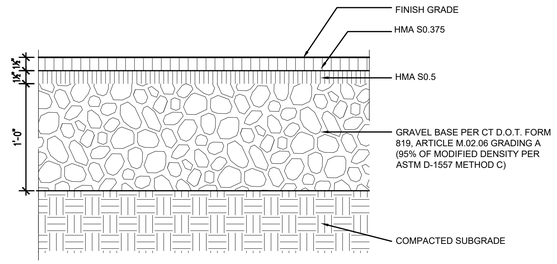
0 20' 40'
SCALE: 1" = 20'

STATE OF CONNECTICUT · WILLIAM G. WALTER · LICENSED PROFESSIONAL ENGINEER

PROJECT NO.: 70903.00
SCALE: 1" = 20'
DATE: 01/13/2026
DRAWN BY: RLC
CHECKED BY: WGW

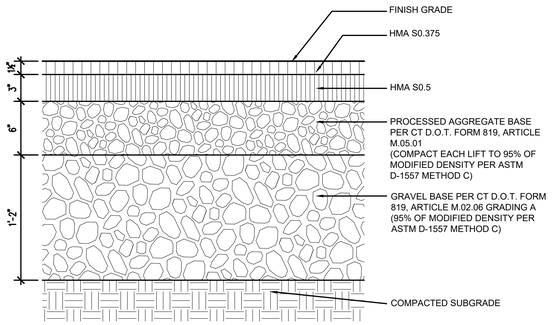
**SITE LIGHTING CUT SHEETS**

DRAWING NO.:
**C6.1**



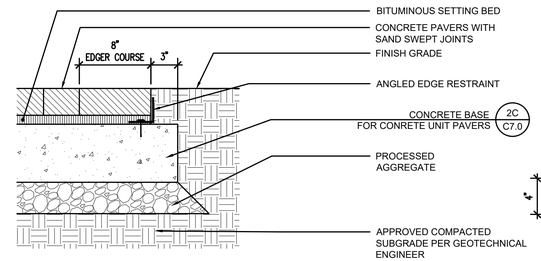

## 1A LIGHT DUTY BITUMINOUS CONCRETE PAVEMENT

1 1/2" = 1'-0"



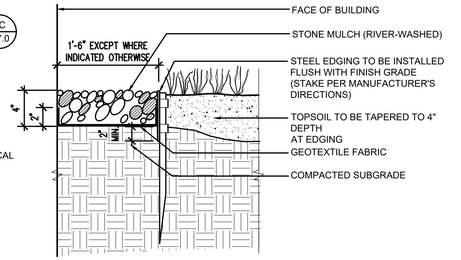

## 2A HEAVY DUTY BITUMINOUS CONCRETE PAVEMENT

1 1/2" = 1'-0"



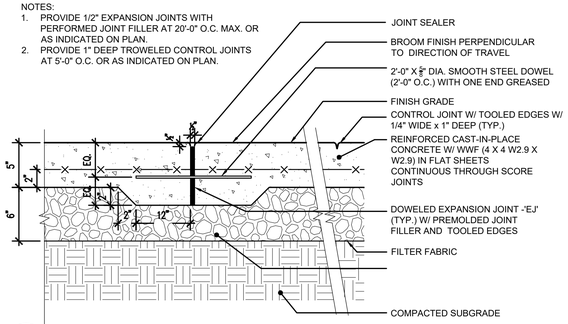

## 3A METAL EDGE RESTRAINT AT CONCRETE UNIT PAVERS

1 1/2" = 1'-0"



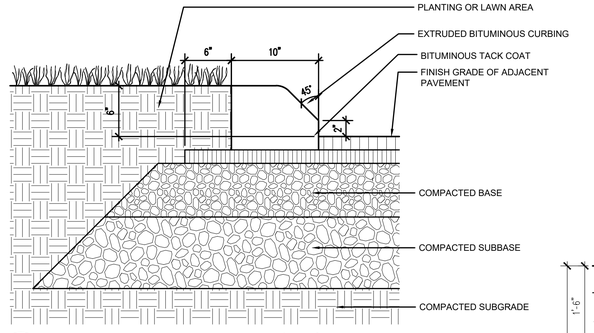

## 4A STONE MULCH MAINTENANCE STRIP

1 1/2" = 1'-0"



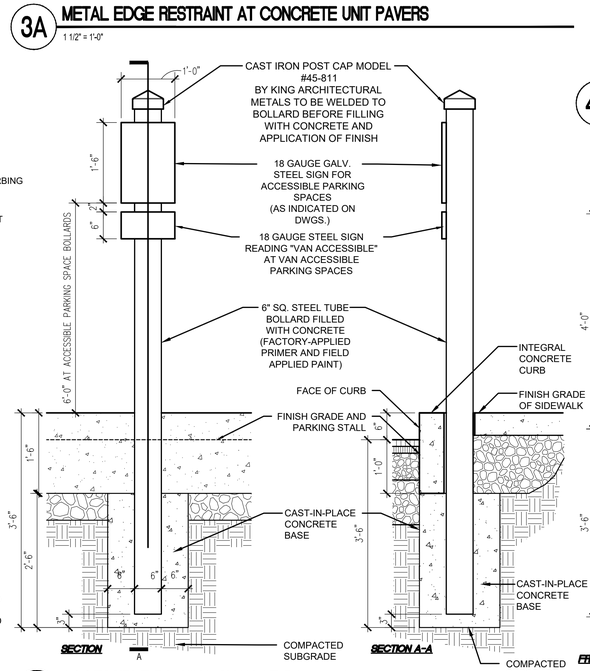

## 1B LIGHT DUTY CONCRETE PAVEMENT

1 1/2" = 1'-0"



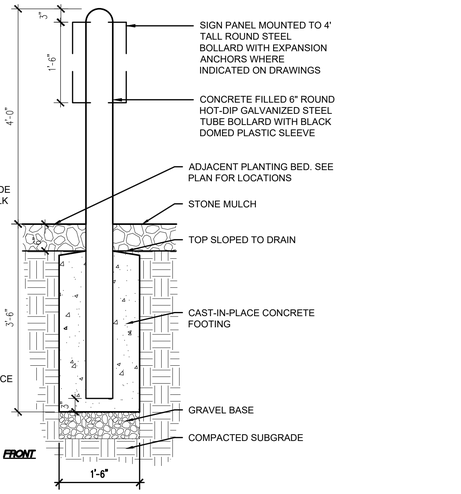

## 2B BITUMINOUS CONCRETE CURBING (BCC)

1 1/2" = 1'-0"



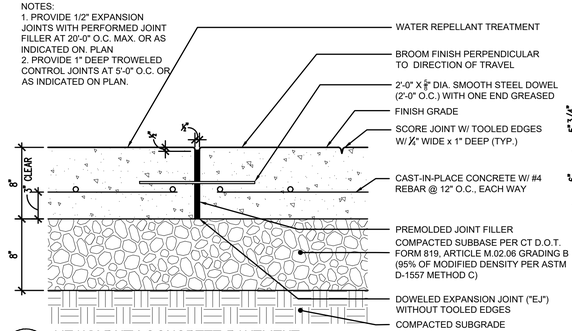

## 3B ACCESSIBLE PARKING SIGNAGE BOLLARD

3/4" = 1'-0"



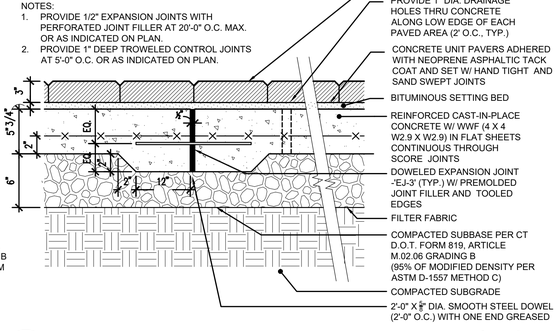

## 4B STEEL ROUND BOLLARD AT UTILITIES

3/4" = 1'-0"



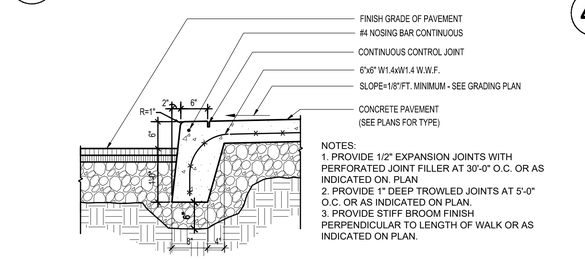

## 1C HEAVY DUTY CONCRETE PAVEMENT

1 1/2" = 1'-0"



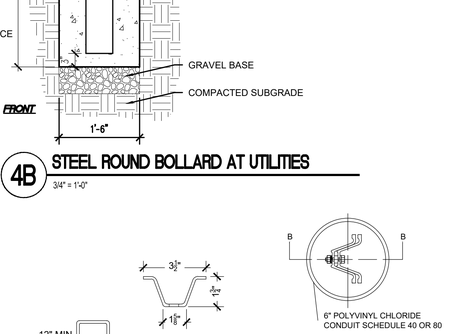

## 2C CONCRETE UNIT PAVERS ON CONCRETE BASE - PEDESTRIAN (EJ-3)

1 1/2" = 1'-0"



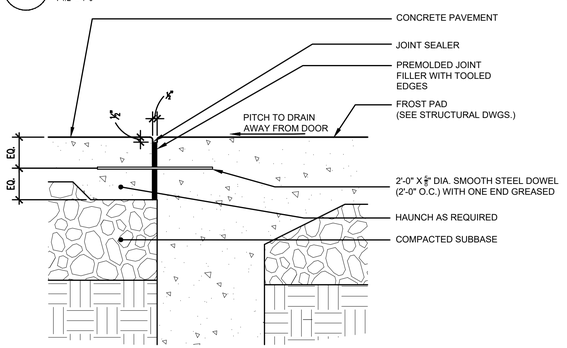

## 3C INTEGRAL CAST-IN-PLACE CONCRETE CURB (ICC)

3/4" = 1'-0"



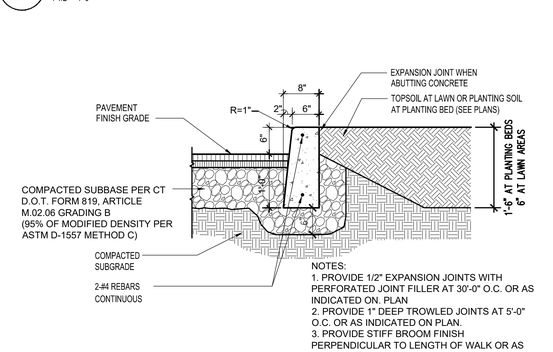

## 4D TYPICAL SIGN SUPPORT - BREAKAWAY

SCALE: NTS



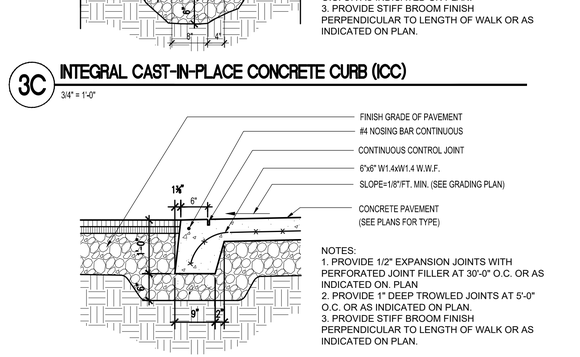

## 1D DOWELED EXPANSION JOINT AT FROST PAD (EJ-1)

1 1/2" = 1'-0"




## 2D CAST-IN-PLACE CONCRETE CURB (CC)

3/4" = 1'-0"




## 3D FLUSH INTEGRAL CAST-IN-PLACE CONCRETE CURB (FICC)

3/4" = 1'-0"

Prepared by:
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Alfred Benesch & Company
200 Glastonbury Boulevard, Suite 201
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860-633-8341

Prepared for:

**NEW CONSTRUCTION**
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**44 WILLIAM F. PALMER ROAD** **MOODUS, CT 06423**

| DATE: | REVISION: |
|---|---|
| 02/16/2026 | PLANNING & ZONING SUBMISSION |

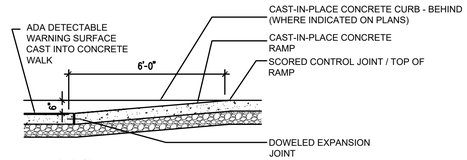
KEY PLAN

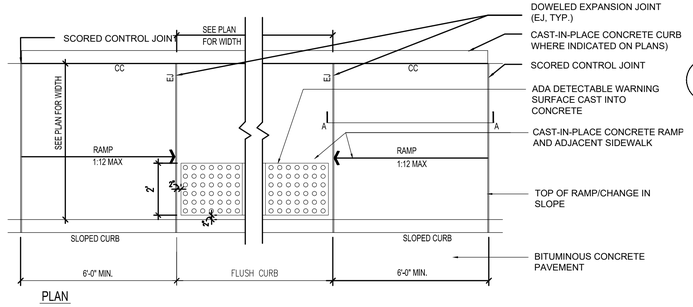
STATE OF CONNECTICUT · WILLIAM G. WALTER · LICENSED PROFESSIONAL ENGINEER

PROJECT NO.: 70903.00 DRAWN BY: TRS
SCALE: AS SHOWN CHECKED BY: WGW
DATE: 01/13/2026

**SITE DETAILS**

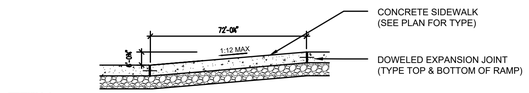
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**C7.0**

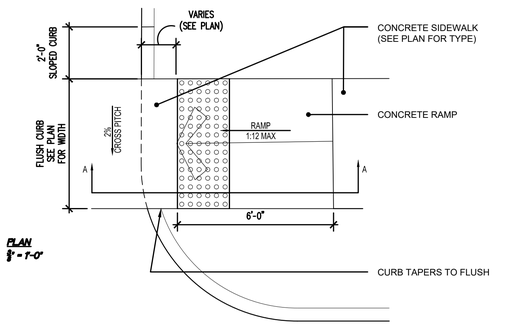



## 1B ACCESSIBLE CURB RAMP - TYPE B

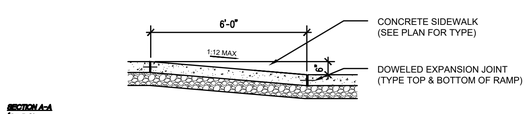
3/8" = 1'-0"

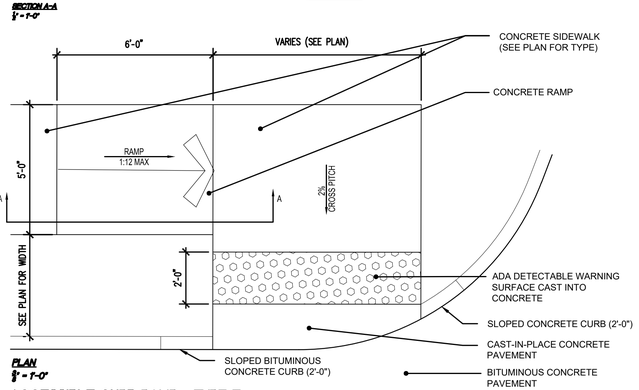



## 1C ACCESSIBLE CURB RAMP - TYPE E

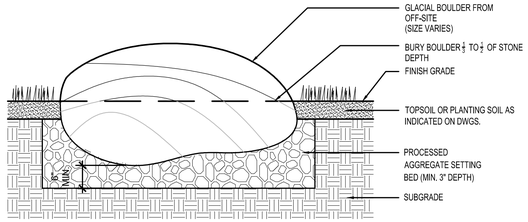
AS NOTED



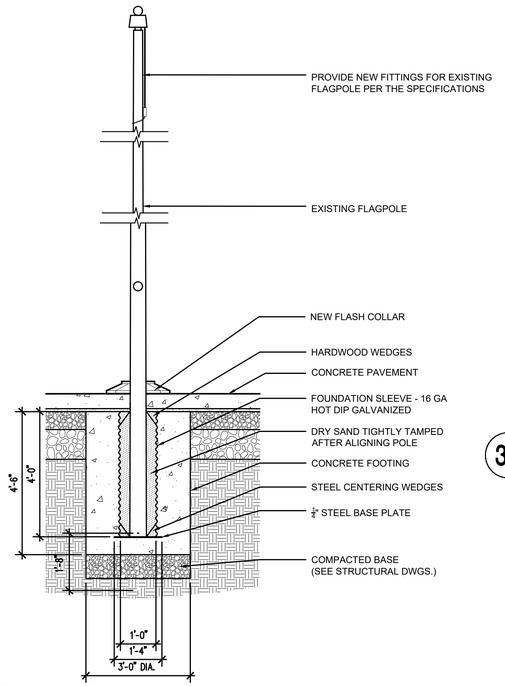

## 1D ACCESSIBLE CURB RAMP - TYPE F

3/8" = 1'-0"



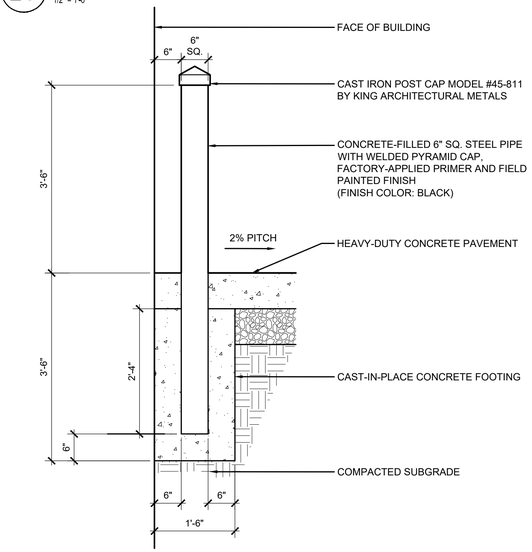

## 2A GLACIAL BOULDER

3/4" = 1'-0"



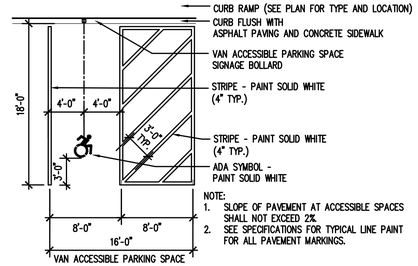

## 2C FLAGPOLE

1/2" = 1'-0"



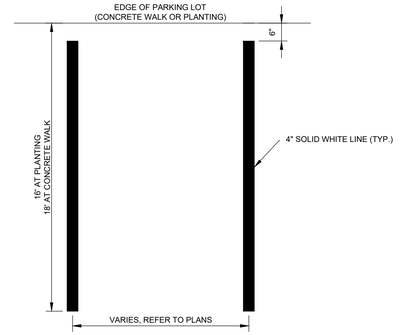

## 2D TRUCK BAY BOLLARDS

3/4" = 1'-0"



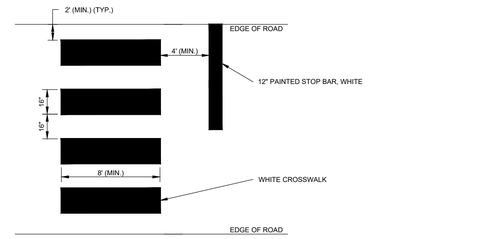

## 3A VAN ACCESSIBLE PARKING SPACE PLAN

1/8" = 1'-0"



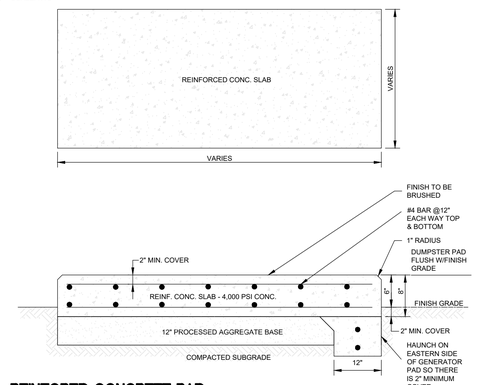

## 3B STANDARD PAINTED PARKING MARKINGS

SCALE: NTS



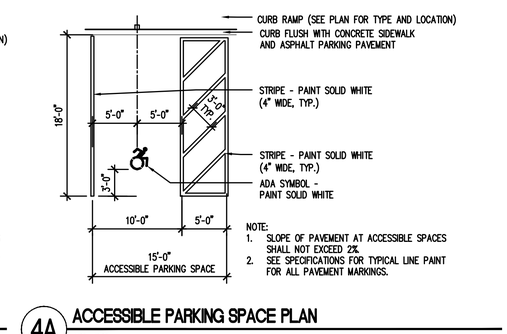

## 3C CROSSWALK

SCALE: NTS



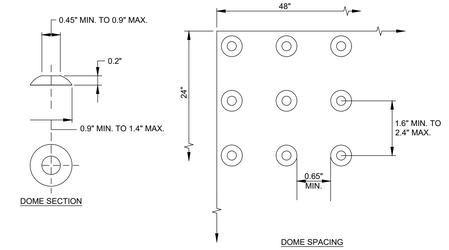

## 3D REINFORED CONCRETE PAD

SCALE: NTS



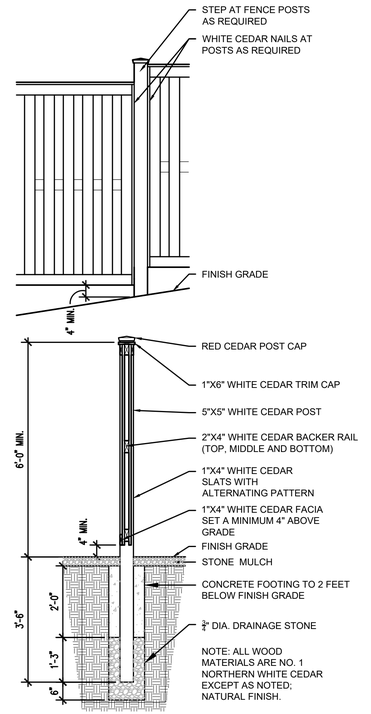

## 4A ACCESSIBLE PARKING SPACE PLAN

1/8" = 1'-0"




## 4B DETECTABLE WARNING

SCALE: NTS




## 4D CEDAR SHADOWBOX FENCE

1/2" = 1'-0"

Prepared by:
benesch
Alfred Benesch & Company
200 Glastonbury Boulevard, Suite 201
Glastonbury, Connecticut 06033
860-633-8341

Prepared for:

**NEW CONSTRUCTION**
**EAST HADDAM FIREHOUSE #2**
**44 WILLIAM F. PALMER ROAD** **MOODUS, CT 06423**

| DATE: | REVISION: |
|---|---|
| 02/16/2026 | PLANNING & ZONING SUBMISSION |

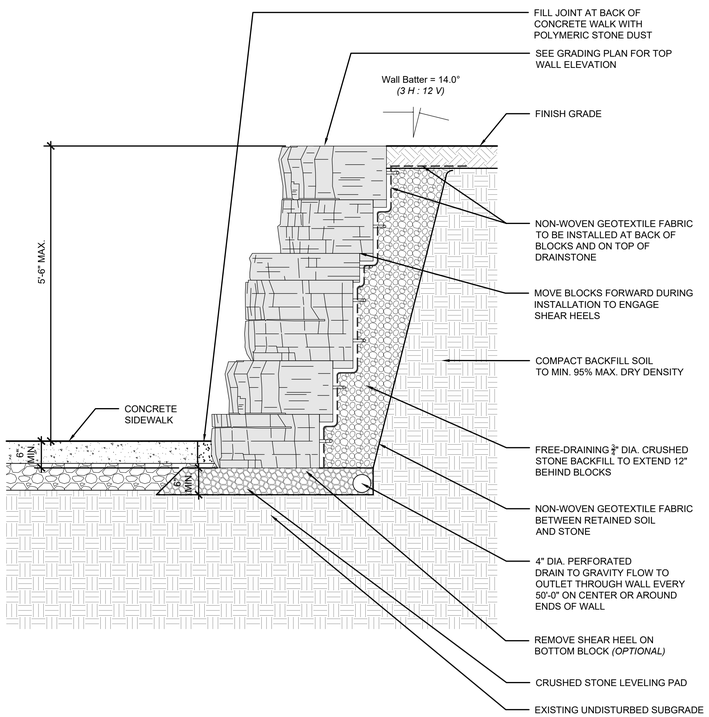
KEY PLAN

STATE OF CONNECTICUT · WILLIAM G. WALKER · LICENSED PROFESSIONAL ENGINEER

PROJECT NO.: 70903.00 DRAWN BY: TRS
SCALE: AS SHOWN CHECKED BY: WGW
DATE: 01/13/2026

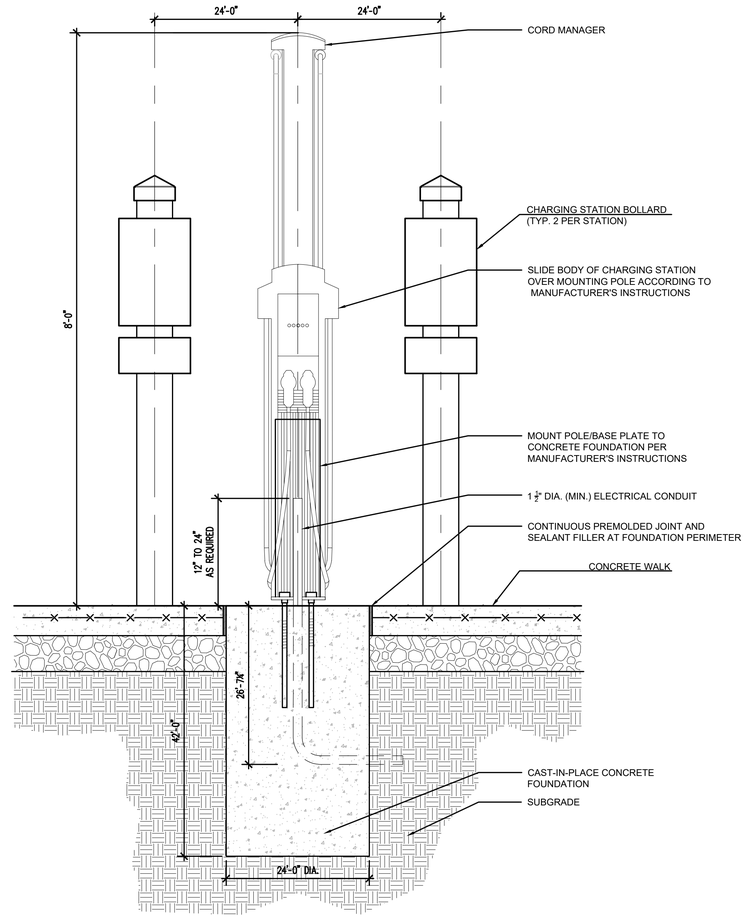
# SITE DETAILS

DRAWING NO.:
**C7.1**



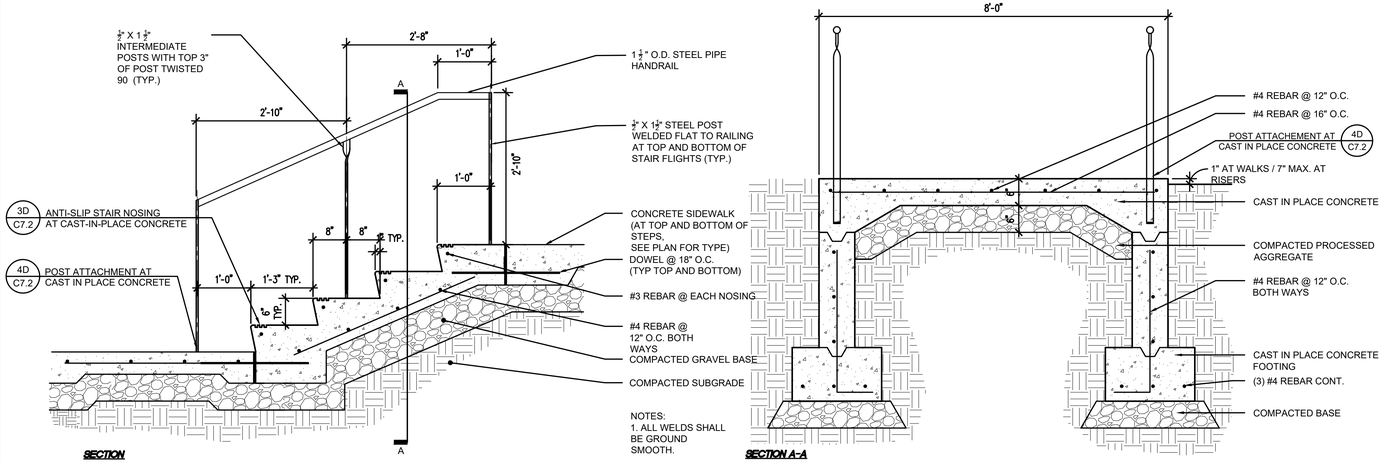

## 1C CONCRETE UNIT BLOCK GRAVITY RETAINING WALL WITH NATURAL STONE OUTCROPPING UNITS

3/4" = 1'-0"



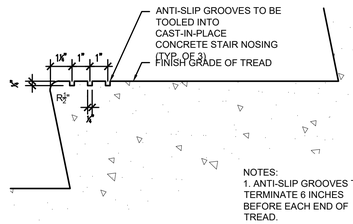

## 3C ELECTRIC VEHICLE CHARGING STATION

1" = 1'-0"



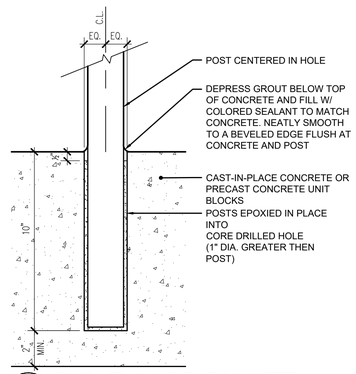

## 1D CAST-IN-PLACE CONCRETE STAIRS WITH STAINLESS STEEL HANDRAILS

3/4" = 1'-0"




## 3D ANTI-SLIP NOSING AT CONCRETE STAIR TREAD

3" = 1'-0"




## 4D POST ATTACHMENT AT CONCRETE

3" = 1'-0"

Prepared by:
benesch
Alfred Benesch & Company
200 Glastonbury Boulevard, Suite 201
Glastonbury, Connecticut 06033
860-633-8341

Prepared for:

**NEW CONSTRUCTION**
**EAST HADDAM FIREHOUSE #2**
**44 WILLIAM F. PALMER ROAD**
**MOODUS, CT 06423**

| DATE: | REVISION: |
|---|---|
| 02/16/2026 | PLANNING & ZONING SUBMISSION |

KEY PLAN

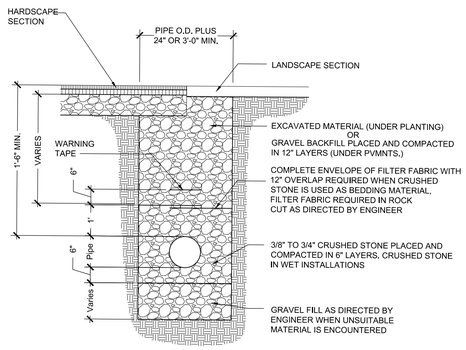
STATE OF CONNECTICUT · WILLIAM G. WALTER · 29532 · LICENSED PROFESSIONAL ENGINEER

PROJECT NO.: 70903.00
SCALE: AS SHOWN
DATE: 01/13/2026
DRAWN BY: TRS
CHECKED BY: WGW

**SITE DETAILS**

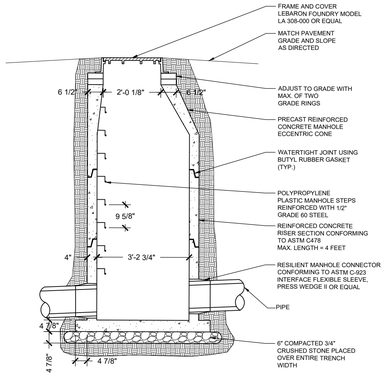
DRAWING NO.:
**C7.2**

A



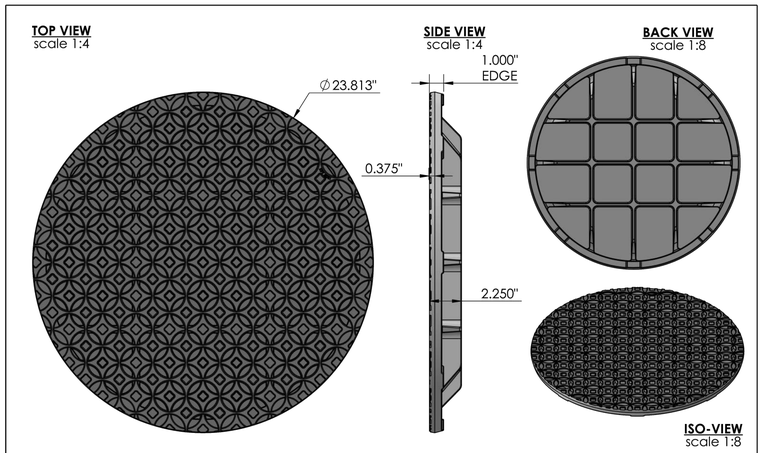

## 1B STORM TRENCHING

SCALE: NTS




## 2B DRAIN MANHOLE

SCALE: NTS




NOTES:
1. ADA Compliant: Solid.
2. Ships in pieces: 1
3. Due to casting inconsistencies, all dimensions are nominal.

Made in USA ©2013 Iron Age Designs

**Interlaken 24" Dia. Manhole Cover - Heavy Duty**

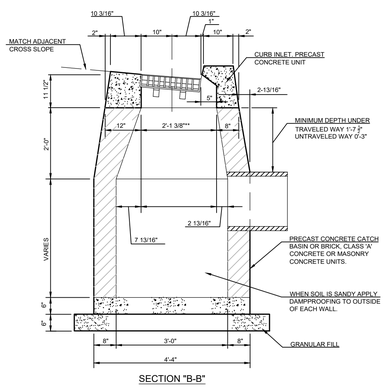
IRON AGE DESIGNS
Telephone 206.276.0925
www.ironagegrates.com

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Material:** | Ductile Iron 65-45-12 | **Weight:** | 72.76 lbs. | **Free Drain Area:** | N/A | in/sq., or | N/A | % | **By:** MS | **Checked:** MS | **Date:** 3-15-23 |
| **Finish:** | Raw | **Edge:** | 1.000" | **Flow Rate:** | N/A | GPM, or | N/A | CuFt./sec. | **© Patent:** US D575,881 S | | **Scale:** NTS |
| **Fits:** | D & L A-1043-R1 Deeter 1256 Frame | **Product ID:** | ID24DiaD51HDMH | **Drawing Name:** | 09_INT_24Dia_MHCover_DuctileIron | | | | | | Page 1 |

## 3B DECORATIVE MANHOLE COVER (DMH 2-5A)

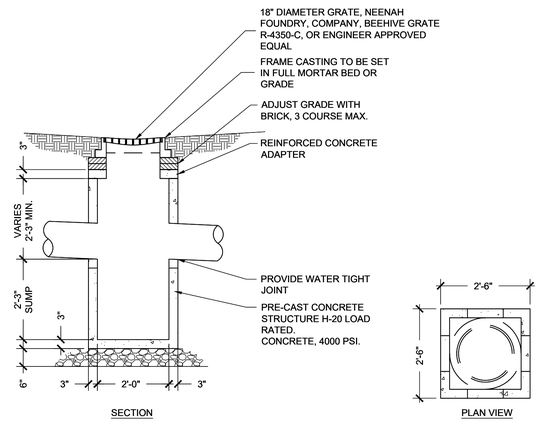
SCALE: NTS

B




## 1C TYPE 'C' CATCH BASIN

SCALE: NTS

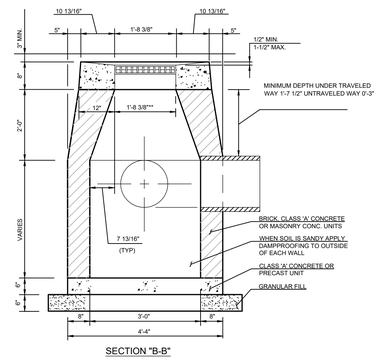



## 2C CONCRETE AREA DRAIN/YARD DRAIN

SCALE: NTS

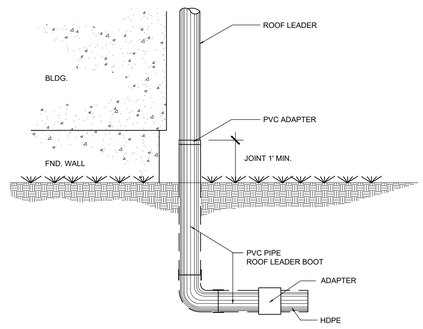
C

D



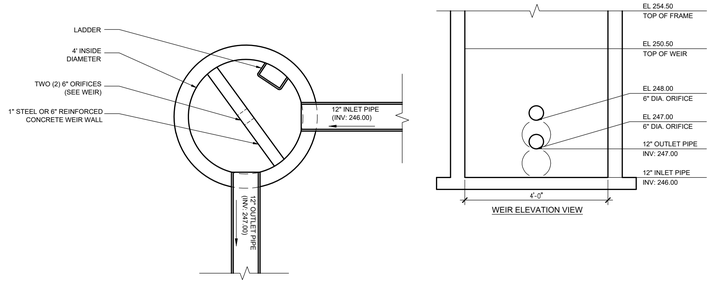

## 1D TYPE 'CL' CATCH BASIN

SCALE: NTS




## 2D ROOF LEADER BOOT

SCALE: NTS




## 3D OUTLET CONTROL STRUCTURE (OCS 1-1)

3/4" = 1'-0"

Prepared by:
benesch
Alfred Benesch & Company
200 Glastonbury Boulevard, Suite 201
Glastonbury, Connecticut 06033
860-633-8341

Prepared for:

**NEW CONSTRUCTION**
**EAST HADDAM FIREHOUSE #2**
**44 WILLIAM F. PALMER ROAD** **MOODUS, CT 06423**

| DATE: | REVISION: |
|---|---|
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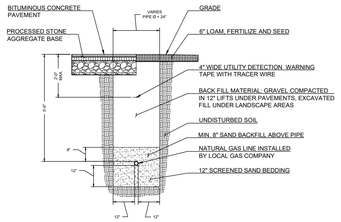
KEY PLAN

STATE OF CONNECTICUT · WILLIAM G. WALTER · 30421 · LICENSED PROFESSIONAL ENGINEER

PROJECT NO.: 70903.00
SCALE: AS SHOWN
DATE: 01/13/2026
DRAWN BY: RLC
CHECKED BY: WGW

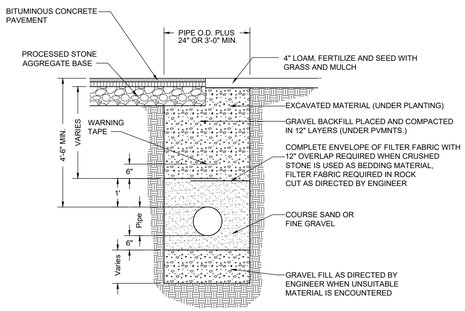
**SITE DETAILS**

DRAWING NO.:
**C7.3**



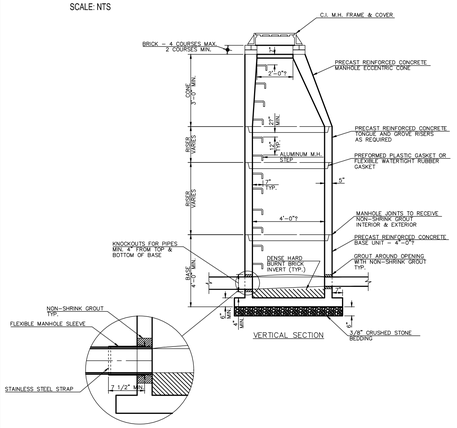

## NATURAL GAS TRENCHING

SCALE: NTS




## WATER TRENCHING

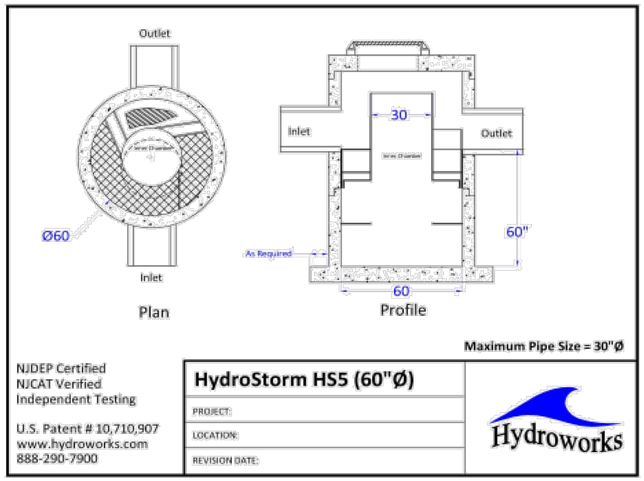
SCALE: NTS




## SANITARY MANHOLE

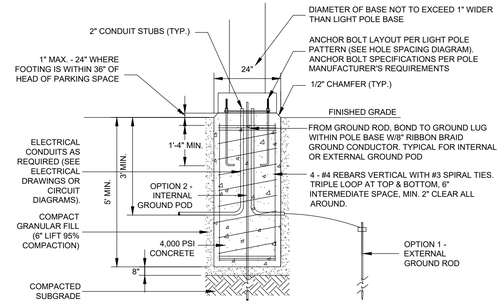
SCALE: NTS

**Generic HS 5 CAD Drawing**



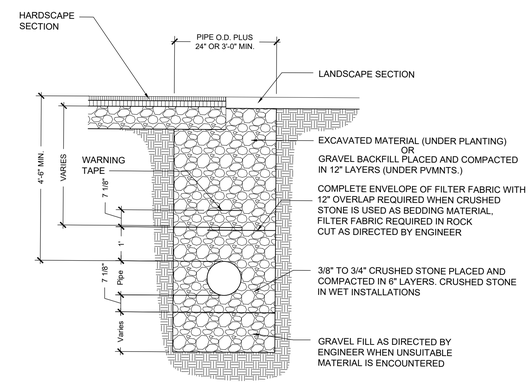

## HYDRODYRNAMIC SEPERATOR AD 2-0

SCALE: NTS



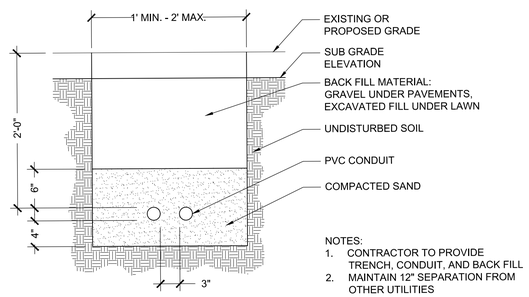

## LIGHT POLE BASE

SCALE: NTS



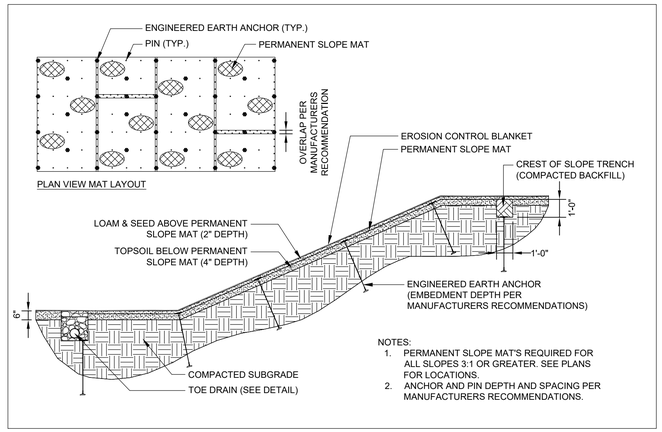

## SANITARY TRENCH

SCALE: NTS




## ELECTRICAL CONDUIT TRENCH

SCALE: NTS




## PERMANENT SLOPE STABILIZATION

SCALE: NTS

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Alfred Benesch & Company
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860-633-8341

Prepared for:

NEW CONSTRUCTION
EAST HADDAM FIREHOUSE #2
44 WILLIAM F. PALMER ROAD
MOODUS, CT 06423

| DATE: | REVISION: |
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KEY PLAN

STATE OF CONNECTICUT · WILLIAM G. WALTER · LICENSED PROFESSIONAL ENGINEER

PROJECT NO.: 70903.00
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DATE: 01/13/2026
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CHECKED BY: WGW

SITE DETAILS

DRAWING NO.:
C7.4

StormTrap®

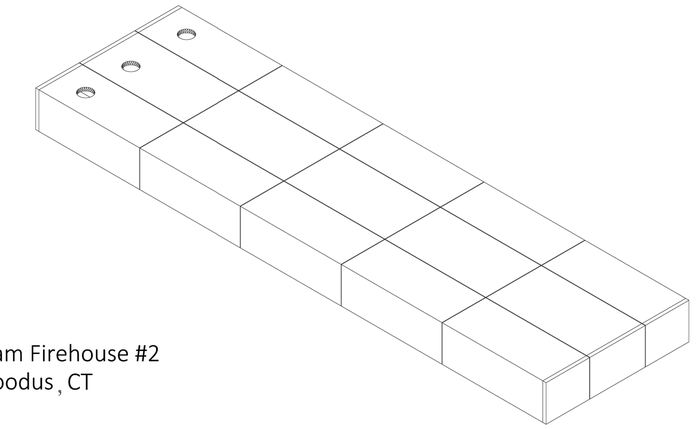
MODULAR CONCRETE
STORMWATER MANAGEMENT

THE STORMTRAP DRAWINGS SHALL NOT BE ALTERED OR MANIPULATED IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT OF STORMTRAP. USE OF THESE DRAWINGS IS STRICTLY GRANTED TO YOU, OUR CLIENT, FOR THE SPECIFIED AND NAMED PROJECT ONLY. THESE DRAWINGS ARE FOR YOUR REFERENCE ONLY AND SHALL NOT BE USED FOR MANUFACTURING PURPOSES.

| SHEET INDEX | |
|---|---|
| PAGE | DESCRIPTION |
| 0.0 | COVER SHEET |
| 1.0 | GENERAL NOTES |
| 1.1 | SINGLETRAP DESIGN CRITERIA |
| 2.0 | SINGLETRAP SYSTEM LAYOUT |
| 3.0 | SINGLETRAP INSTALLATION SPECIFICATION |
| 3.1 | SINGLETRAP INSTALLATION SPECIFICATION |
| 4.0 | SINGLETRAP BACKFILL SPECIFICATION |
| 5.0 | PIPE/ACCESS OPENING SPECIFICATION |
| 6.0 | SPLASH PAD & GEOWEB DETAILS |
| 7.0 | SINGLETRAP MODULE TYPES |

STORMTRAP CONTACT INFORMATION

STORMTRAP SUPPLIER: STORMTRAP
CONTACT NAME: Tony Messina
CELL PHONE: (201) 284-0467
SALES EMAIL: tmessina@stormtrap.com



East Haddam Firehouse #2
Moodus , CT

StormTrap®
PATENTS LISTED AT: [HTTP://STORMTRAP.COM/PATENT]
1287 WINDHAM PARKWAY
ROMEOVILLE, IL 60446
P:815-941-4549 / F:331-318-5347

ENGINEER INFORMATION:
Benesch
200 Glastonbury Blvd
#201
Glastonbury, CT
860-633-8341

PROJECT INFORMATION:
East Haddam
Firehouse #2
Moodus, CT

CURRENT ISSUE DATE:
02/02/2026

ISSUED FOR:
PRELIMINARY

| REV. | DATE: | ISSUED FOR: | DWN BY: |
|---|---|---|---|
| 2 | 02/02/2026 | PRELIMINARY | LR |
| 1 | 01/27/2026 | PRELIMINARY | LR |

SCALE:
NTS

SHEET TITLE:
COVER SHEET

SHEET NUMBER:
0.0

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Alfred Benesch & Company
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Glastonbury, Connecticut 06033
860-633-8341

Prepared for:

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44 WILLIAM F. PALMER ROAD
MOODUS, CT 06423

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KEY PLAN

STRUCTURAL DESIGN LOADING CRITERIA

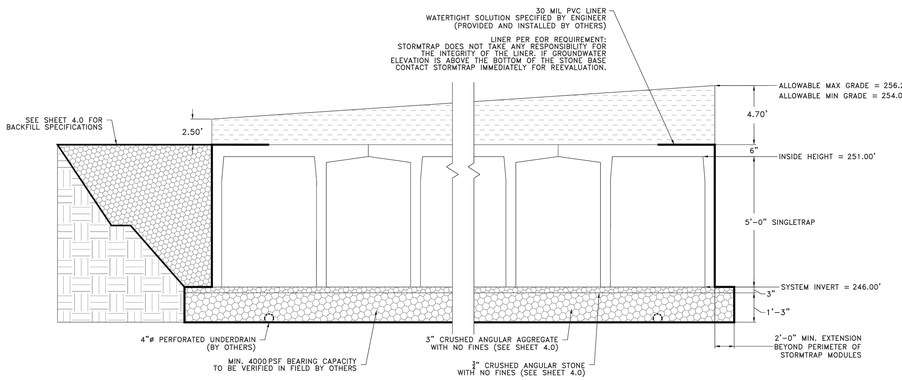
LIVE LOADING: AASHTO HS-20 HIGHWAY LOADING
GROUND WATER TABLE: BELOW INVERT OF SYSTEM
SOIL BEARING PRESSURE: 4000PSF
SOIL DENSITY: 120 PCF
EQUIVALENT UNSATURATED LATERAL ACTIVE EARTH PRESSURE: 35 PSF / FT.
EQUIVALENT SATURATED LATERAL ACTIVE EARTH PRESSURE: 80 PSF/FT. (IF WATER TABLE PRESENT)
APPLICABLE CODES: ASTM C857
ACI-318
BACKFILL TYPE: SEE SHEET 4.0 FOR BACKFILL OPTIONS

STORMTRAP SYSTEM INFORMATION

| | |
|---|---|
| UNIT HEADROOM: | 5'-0" SINGLETRAP |
| TOTAL STORAGE PROV: | 8,696.78 CUBIC FEET |
| STORMTRAP SYSTEM STORAGE PROV: | 7,429.16 CUBIC FEET |
| STONE BASE STORAGE PROV: | 1,267.62 CUBIC FEET |

SITE SPECIFIC DESIGN CRITERIA

1. STORMTRAP UNITS SHALL BE MANUFACTURED AND INSTALLED ACCORDING TO SHOP DRAWINGS APPROVED BY THE INSTALLING CONTRACTOR AND ENGINEER OF RECORD. THE SHOP DRAWINGS SHALL INDICATE SIZE AND LOCATION OF ROOF OPENINGS AND INLET/ OUTLET PIPE TYPES, SIZES, INVERT ELEVATIONS AND SIZE OF OPENINGS.
2. COVER RANGE: MIN. 2.50' MAX. 4.70' CONSULT STORMTRAP FOR ADDITIONAL COVER OPTIONS.
3. ALL DIMENSIONS AND SOIL CONDITIONS, INCLUDING BUT NOT LIMITED TO GROUNDWATER AND SOIL BEARING CAPACITY ARE REQUIRED TO BE VERIFIED IN THE FIELD BY OTHERS PRIOR TO STORMTRAP INSTALLATION.
4. FOR STRUCTURAL CALCULATIONS THE GROUND WATER TABLE IS ASSUMED TO BE BELOW INVERT OF SYSTEM IF WATER TABLE IS DIFFERENT THAN ASSUMED, CONTACT STORMTRAP.
5. SYSTEM DESIGN INTENT IS TO CONTAIN WATER AND / OR PREVENT GROUNDWATER MIGRATION INTO THE SYSTEM AND WILL NOT BE SUBJECT TO LEAKAGE TESTING. A THIRD PARTY WATER PROOFING SOLUTION IS REQUIRED FOR SEALING OF SYSTEM / MODULE JOINTS AND SEAMS. SOLUTION TO BE PROVIDED AND INSTALLED BY CONTRACTOR IN ACCORDANCE WITH THIRD PARTY WATER-PROOFING SUPPLIER'S PRODUCT SPECIFICATIONS.




5'-0" SINGLETRAP

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ROMEOVILLE, IL 60446
P:815-941-4549 / F:331-318-5347

ENGINEER INFORMATION:
Benesch
200 Glastonbury Blvd
#201
Glastonbury, CT
860-633-8341

PROJECT INFORMATION:
East Haddam
Firehouse #2
Moodus, CT

CURRENT ISSUE DATE:
02/02/2026

ISSUED FOR:
PRELIMINARY

| REV. | DATE: | ISSUED FOR: | DWN BY: |
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| 2 | 02/02/2026 | PRELIMINARY | LR |
| 1 | 01/27/2026 | PRELIMINARY | LR |

SCALE:
NTS

SHEET TITLE:
SINGLETRAP
DESIGN
CRITERIA

SHEET NUMBER:
1.1

STATE OF CONNECTICUT · WILLIAM G. WALKER · 24738 · LICENSED PROFESSIONAL ENGINEER

PROJECT NO.: 70903.00
SCALE: AS SHOWN
DATE: 01/13/2026
DRAWN BY: RLC
CHECKED BY: WGW

SITE
DETAILS

DRAWING NO.:
C7.5

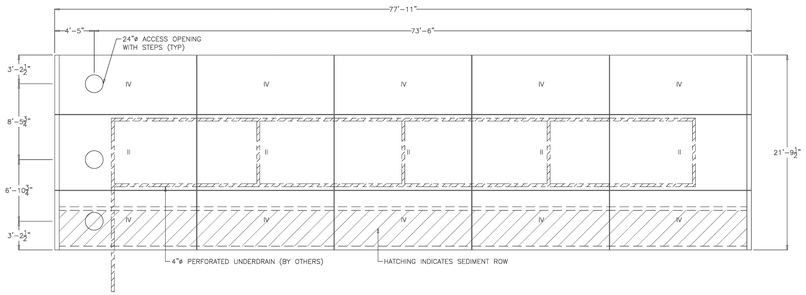
| BILL OF MATERIALS | | | |
|---|---|---|---|
| QTY. | UNIT TYPE | DESCRIPTION | WEIGHT |
| 0 | I | 5'-0" SINGLETRAP | – |
| 5 | II | 5'-0" SINGLETRAP | 17906 |
| 0 | III | 5'-0" SINGLETRAP | – |
| 10 | IV | 5'-0" SINGLETRAP | 16618 |
| 0 | VII | 5'-0" SINGLETRAP | – |
| 0 | VII-1 | 5'-0" SINGLETRAP | – |
| 0 | VII-2 | 5'-0" SINGLETRAP | – |
| 0 | VII-3 | 5'-0" SINGLETRAP | – |
| 0 | VII-4 | 5'-0" SINGLETRAP | – |
| 0 | SPIII | 5'-0" SINGLETRAP | VARIES |
| 0 | SPIV | 5'-0" SINGLETRAP | VARIES |
| 2 | T2 PANEL | 6" THICK PANEL | 3472 |
| 4 | T4 PANEL | 6" THICK PANEL | 2733 |
| 0 | T7 PANEL | 6" THICK PANEL | – |
| 4 | JOINTWRAP | 150' PER ROLL | |
| 0 | JOINTTAPE | 14.5' PER ROLL | |
| TOTAL PIECES = 15 | | | |
| TOTAL PANELS = 6 | | | |
| HEAVIEST PICK WEIGHT = 17,906 | | | |

DESIGN CRITERIA

ALLOWABLE MAX GRADE = 256.20'
ALLOWABLE MIN GRADE = 254.00'
INSIDE HEIGHT ELEVATION = 251.00'
SYSTEM INVERT = 246.00'

NOTES:

1. DIMENSIONING OF STORMTRAP SYSTEM SHOWN BELOW ALLOW FOR A 3/4" GAP BETWEEN EACH MODULE.
2. ALL DIMENSIONS TO BE VERIFIED IN THE FIELD BY OTHERS.
3. SEE SHEET 3.0 FOR INSTALLATION SPECIFICATIONS.
4. SP – INDICATES A MODULE WITH MODIFICATIONS.
5. P – INDICATES A MODULE WITH A PANEL ATTACHMENT.
6. CONTRACTORS RESPONSIBILITY TO ENSURE CONSISTENCY/ACCURACY TO FINAL ENGINEER OF RECORD PLAN SET.
7. IN ORDER FOR STORMTRAP TO GENERATE APPROVAL DRAWINGS, CIVIL ENGINEERING DRAWINGS MUST BE PROVIDED TO STORMTRAP AND SHALL INCLUDE ALL PIPE SIZES, PIPE MATERIAL, PIPE INVERT ELEVATIONS, ACCESS OPENING SIZE AND SHAPE. IN ADDITION, FINAL GRADING PLANS SHALL ALSO INCLUDE MINIMUM AND MAXIMUM GRADES OVER THE TOP OF THE STORMTRAP SYSTEM.




StormTrap
PATENTS LISTED AT: [HTTP://STORMTRAP.COM/PATENT]
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ROMEOVILLE, IL 60446
P:815-941-4549 / F:331-318-5347

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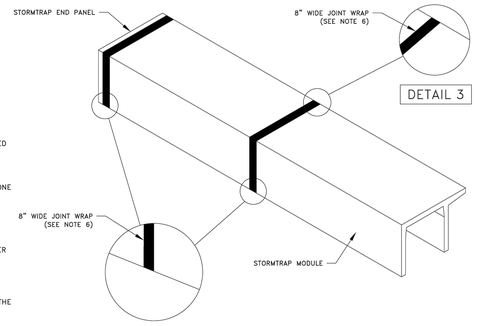
SINGLETRAP
SYSTEM LAYOUT

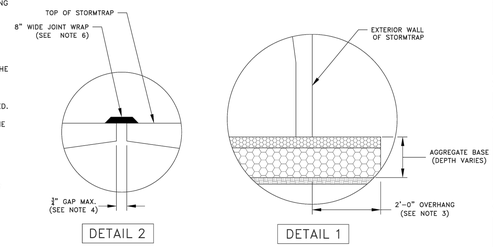
SHEET NUMBER:

2.0

## STORMTRAP INSTALLATION SPECIFICATION

1. STORMTRAP SHALL BE INSTALLED IN ACCORDANCE WITH ASTM C891 (STANDARD PRACTICE FOR INSTALLATION OF UNDERGROUND PRECAST CONCRETE UTILITY STRUCTURES). THE FOLLOWING ADDITIONS AND/OR EXCEPTIONS ARE PROVIDED FOR EMPHASIS. THE MENTION OF THESE ITEMS DOES NOT PRECLUDE THE INSTALLING CONTRACTOR FROM FOLLOWING ASTM C891 IN ITS ENTIRETY AND IMPLEMENTING ALL APPROPRIATE MEASURES. THE INSTALLING CONTRACTOR OWNS AND IS RESPONSIBLE FOR THE STORMTRAP SYSTEM UPON REMOVAL OF THE MODULES FROM THE DELIVERY TRUCK THROUGH 'FINAL CONSTRUCTION'. FINAL CONSTRUCTION IS ACHIEVED WHEN ALL MODULES ARE SET, FULLY BACKFILLED, AND WHEN FINAL FINISHED GRADES ARE REACHED. THE CONTRACTOR IS RESPONSIBLE FOR ANY COUNTERMEASURES NECESSARY TO RESIST UPLIFT/BUOYANCY BEFORE 'FINAL CONSTRUCTION' IS ACHIEVED.
2. IT IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO ENSURE THAT PROPER/ADEQUATE EQUIPMENT IS USED TO SET/INSTALL THE MODULES.
3. THE AGGREGATE FOUNDATION HAS BEEN DESIGNED BASED ON THE FOLLOWING ASSUMPTIONS. THESE ASSUMPTIONS WILL NEED TO BE VERIFIED BY A GEOTECHNICAL ENGINEER WHICH WILL NEED TO BE EMPLOYED BY THE OWNER.
   - 3.1. A QUALIFIED GEOTECHNICAL ENGINEER WILL BE EMPLOYED, BY OWNER, TO PROVIDE ASSISTANCE IN EVALUATING THE EXISTING SOIL CONDITIONS BELOW THE PROPOSED ENGINEERED STONE FOUNDATION. IF A STONE FOUNDATION DESIGN IS TO BE USED, THE BEARING PRESSURE OF THE SOILS BELOW THE STONE WILL NEED TO MEET OR EXCEED ALLOWABLE CAPACITY. IF THIS IS NOT POSSIBLE, THE STONE FOUNDATION MAY NOT BE AN OPTION FOR THIS LOCATION.
   - 3.2. A QUALIFIED GEOTECHNICAL ENGINEER WILL BE EMPLOYED, BY OWNER, TO EVALUATE A SOURCE OF STONE AGGREGATES THAT WILL BE PLACED ON PROPERLY COMPACTED SOILS (SEE SHEET 1.1 FOR SOIL BEARING CAPACITY REQUIREMENTS). THE AGGREGATE BASE COURSE FOR WHICH THE STORMTRAP SYSTEM WILL BEAR DIRECTLY ON SHALL CONSIST OF A 3" THICK BED OF ¾" DIAMETER ANGULAR STONE, WELL COMPACTED AND SEATED, WITH NO FINES. AND A 1'-3" THICK BED OF 3" ANGULAR AGGREGATE (SEE SHEET 4.0 FOR FURTHER DESCRIPTION/EXPLANATION). PLEASE NOTE THAT THESE ARE ONLY MINIMUM RECOMMENDATIONS AND A QUALIFIED GEOTECHNICAL ENGINEER SHALL BE USED TO DETERMINE THE EXACT REQUIREMENTS FOR THE LOCATIONS THAT THE STORMTRAP SYSTEM IS TO BE LOCATED.
   - 3.3. THE CONTRACTOR SHALL REMOVE ANY AND ALL EXPANDABLE OR COLLAPSIBLE SOILS AT THE DIRECTION OF A QUALIFIED GEOTECHNICAL ENGINEER.
   - 3.4. THE AGGREGATE FOUNDATION SHALL BE INSTALLED SUCH THAT THE AGGREGATE EXTENDS A MINIMUM OF 2'-0" PAST THE OUTSIDE OF THE SYSTEM (SEE DETAIL 1).
   - 3.5. THE ¾" AGGREGATE SHALL BE COMPACTED USING A VIBRATING ROLLER WITH ITS' FULL DYNAMIC FORCE APPLIED TO ACHIEVE A FLAT SURFACE.
   - 3.6. DISK, DRY AND COMPACT THE TOP 8" OF THE SUBGRADE SOILS TO 95% OF THE STANDARD DRY DENSITY AND 110% OPTIMUM MOISTURE CONTENT.
   - 3.7. AGGREGATE SHALL BE GRADED WITHIN +/– ½" OF THE GRADE SHOWN ON THE PLANS.
   - 3.8. MINIMUM SOIL BEARING CAPACITY LISTED ON SHEET 1.1 SHALL BE VERIFIED IN FIELD BY OTHERS.
4. THE STORMTRAP MODULES SHALL BE PLACED SUCH THAT THE MAXIMUM SPACE BETWEEN ADJACENT MODULES DOES NOT EXCEED ¾" (SEE DETAIL 2). IF THE SPACE EXCEEDS ¾", THE MODULES SHALL BE RESET WITH APPROPRIATE ADJUSTMENT MADE TO LINE AND GRADE TO BRING THE SPACE INTO SPECIFICATION.
5. STORMTRAP MODULES ARE NOT WATERTIGHT. WATERTIGHT SOLUTION SPECIFIED BY ENGINEER (PROVIDED AND INSTALLED BY OTHERS).
6. ALL EXTERIOR ROOF AND EXTERIOR VERTICAL WALL JOINTS BETWEEN ADJACENT STORMTRAP MODULES SHALL BE SEALED WITH 8" WIDE PRE-FORMED, COLD-APPLIED, SELF-ADHERING ELASTOMERIC RESIN, BONDED TO A WOVEN , HIGHLY PUNCTURE RESISTANT POLYMER WRAP, CONFORMING TO ASTM C891 AND SHALL BE INTEGRATED WITH PRIMER SEALANT AS APPROVED BY STORMTRAP (SEE DETAILS 2, 3, & 4). THE JOINT WRAP DOES NOT PROVIDE A WATERTIGHT SEAL. THE SOLE PURPOSE OF THE JOINT WRAP IS TO PROVIDE A SILT AND SOIL TIGHT SYSTEM. THE ADHESIVE EXTERIOR JOINT WRAP SHALL BE INSTALLED ACCORDING TO THE FOLLOWING INSTALLATION INSTRUCTIONS:
   - 6.1. USE A BRUSH OR WET CLOTH TO THOROUGHLY CLEAN THE OUTSIDE SURFACE AT THE POINT WHERE THE JOINT WRAP IS TO BE APPLIED.
   - 6.2. A RELEASE PAPER PROTECTS THE ADHESIVE SIDE OF THE JOINT WRAP. PLACE THE ADHESIVE TAPE (ADHESIVE SIDE DOWN) AROUND THE STRUCTURE, REMOVING THE RELEASE PAPER AS YOU GO. PRESS THE JOINT WRAP FIRMLY AGAINST THE STORMTRAP MODULE SURFACE WHEN APPLYING.
7. IF THE CONTRACTOR NEEDS TO CANCEL ANY SHIPMENTS, THEY MUST DO SO 48 HOURS PRIOR TO THEIR SCHEDULED ARRIVAL AT THE JOB SITE. IF CANCELED AFTER THAT TIME, PLEASE CONTACT THE PROJECT MANAGER.
8. IF THE STORMTRAP MODULE(S) IS DAMAGED IN ANY WAY PRIOR, DURING, OR AFTER INSTALL, STORMTRAP, MUST BE CONTACTED IMMEDIATELY TO ASSESS THE DAMAGE AND TO DETERMINE WHETHER OR NOT THE MODULE(S) WILL NEED TO BE REPLACED. IF ANY MODULE ARRIVES AT THE JOBSITE DAMAGED DO NOT UNLOAD IT; CONTACT STORMTRAP, IMMEDIATELY. ANY DAMAGE NOT REPORTED BEFORE THE TRUCK IS UNLOADED WILL BE THE CONTRACTOR'S RESPONSIBILITY.
9. STORMTRAP MODULES CANNOT BE ALTERED IN ANY WAY AFTER MANUFACTURING WITHOUT WRITTEN CONSENT FROM STORMTRAP.




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SCALE:

NTS

SHEET TITLE:

SINGLETRAP
INSTALLATION
SPECIFICATION

SHEET NUMBER:

3.0

Prepared by:

benesch

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Prepared for:

NEW CONSTRUCTION
EAST HADDAM FIREHOUSE #2
44 WILLIAM F. PALMER ROAD
MOODUS, CT 06423

| DATE: | REVISION: |
|---|---|
| 02/16/2026 | PLANNING & ZONING SUBMISSION |
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KEY PLAN

STATE OF CONNECTICUT
WILLIAM G. WALKER
LICENSED
PROFESSIONAL ENGINEER

PROJECT NO.: 70903.00
SCALE: AS SHOWN
DATE: 01/13/2026

DRAWN BY: RLC
CHECKED BY: WGW

SITE
DETAILS

DRAWING NO.:
C7.6

## ZONE CHART

| ZONES | ZONE DESCRIPTIONS | REMARKS |
|---|---|---|
| ZONE 1A | FOUNDATION AGGREGATE | #5 (2") STONE ANGULAR AGGREGATE (SEE NOTE 4 FOR DESCRIPTION) |
| ZONE 1B | FOUNDATION AGGREGATE (INFILTRATION NOT ALLOWED) | 3" RECYCLED CRUSHED CONCRETE (SEE NOTES 5 & 6 FOR DESCRIPTION) |
| | FOUNDATION AGGREGATE (INFILTRATION ALLOWED) | 3" STONE AGGREGATE (SEE NOTE 5) |
| ZONE 2 | BACKFILL | UNIFIED SOILS CLASSIFICATION (GW, GP, SW, SP) OR SEE BELOW FOR APPROVED BACKFILL OPTIONS |
| ZONE 3 | FINAL COVER OVERTOP | MATERIALS NOT TO EXCEED 120 PCF |

## APPROVED ZONE 2 BACKFILL OPTIONS

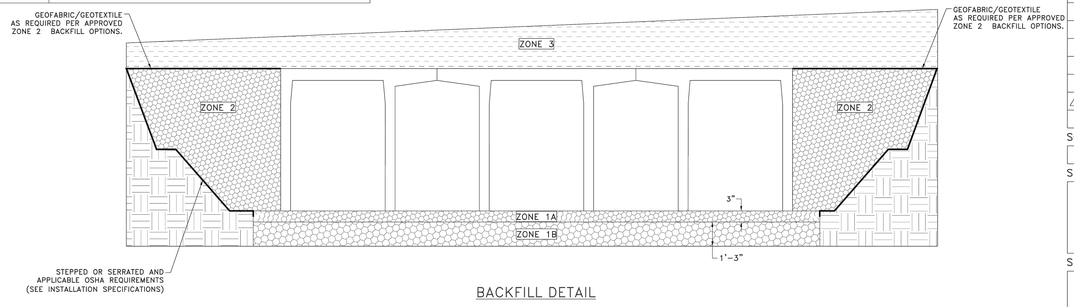
| OPTION | REMARKS |
|---|---|
| ¾" STONE AGGREGATE | THE STONE AGGREGATE SHALL CONSIST OF CLEAN AND FREE DRAINING ANGULAR MATERIAL. THE SIZE OF THIS MATERIAL SHALL HAVE 100% PASSING THE 1" SIEVE WITH 0% TO 5% PASSING THE #8 SIEVE. THIS MATERIAL SHALL BE SEPARATED FROM NATIVE MATERIAL USING GEOFABRIC AROUND THE PERIMETER OF THE BACKFILL (ASTM SIZE #57) AS DETERMINED BY THE GEOTECHNICAL ENGINEER. |
| SAND | IMPORTED PURE SAND IS PERMITTED TO BE USED AS BACKFILL IF IT IS CLEAN AND FREE DRAINING. THE SAND USED FOR BACKFILLING SHALL HAVE LESS THAN 40% PASSING #40 SIEVE AND LESS THAN 5% PASSING #200 SIEVE. THIS MATERIAL SHALL BE SEPARATED FROM NATIVE MATERIAL USING GEOFABRIC AROUND THE PERIMETER OF THE SAND BACKFILL. |
| CRUSHED CONCRETE AGGREGATE | CLEAN, FREE DRAINING CRUSHED CONCRETE AGGREGATE MATERIAL CAN BE USED AS BACKFILL FOR STORMTRAP'S MODULES. THE SIZE OF THIS MATERIAL SHALL HAVE 100% PASSING THE 1" SIEVE WITH 0% TO 5% PASSING THE #8 SIEVE. THIS MATERIAL SHALL BE SEPARATED FROM NATIVE MATERIAL USING GEOFABRIC AROUND THE PERIMETER OF THE BACKFILL. |
| ROAD PACK | STONE AGGREGATE 100% PASSING THE 1-1/2" SIEVE WITH LESS THAN 12% PASSING THE #200 SIEVE (ASTM SIZE #467). GEOFABRIC AS PER GEOTECHNICAL ENGINEER RECOMMENDATION. |

| FILL DEPTH | TRACK WIDTH | MAX VEHICLE WEIGHT (KIPS) | MAX GROUND PRESSURE |
|---|---|---|---|
| 12" | 12" | 51.8 | 1690 psf |
| | 18" | 56.1 | 1219 psf |
| | 24" | 68.1 | 1111 psf |
| | 30" | 76.7 | 1000 psf |
| | 36" | 85.0 | 924 psf |

NOTE:
TRACK LENGTH NOT TO EXCEED 15'-4".
ONLY TWO TRACKS PER VEHICLE.

## STORMTRAP ZONE INSTALLATION SPECIFICATION/PROCEDURE

1. THE FILL PLACED AROUND THE STORMTRAP MODULES MUST BE DEPOSITED ON BOTH SIDES AT THE SAME TIME AND TO APPROXIMATELY THE SAME ELEVATION. AT NO TIME SHALL THE FILL BEHIND ONE SIDE WALL BE MORE THAN 2'-0" HIGHER THAN THE FILL ON THE OPPOSITE SIDE. BACKFILL SHALL EITHER BE COMPACTED AND/OR VIBRATED TO ENSURE THAT BACKFILL AGGREGATE/STONE MATERIAL IS WELL SEATED AND PROPERLY INTER LOCKED. CARE SHALL BE TAKEN TO PREVENT ANY WEDGING ACTION AGAINST THE STRUCTURE, AND ALL SLOPES WITHIN THE AREA TO BE BACKFILLED MUST BE STEPPED OR SERRATED TO PREVENT WEDGING ACTION. CARE SHALL ALSO BE TAKEN AS NOT TO DISRUPT THE JOINT WRAP FROM THE JOINT DURING THE BACKFILL PROCESS. BACKFILL MUST BE FREE-DRAINING MATERIAL. SEE ZONE 2 BACKFILL CHART ON THIS PAGE FOR APPROVED BACKFILL OPTIONS. IF NATIVE EARTH IS SUSCEPTIBLE TO MIGRATION, CONFIRM WITH GEOTECHNICAL ENGINEER AND PROVIDE PROTECTION AS REQUIRED (PROVIDED BY OTHERS). ALL MODULES MUST BE SET AND ALL SIDES MUST BE FULLY BACKFILLED BEFORE TRAVEL OVERTOP THE SYSTEM IS PERMITTED. SEE NOTE 2 FOR EXCEPTIONS AND LIMITATIONS.
2. THE FILL PLACED OVERTOP THE SYSTEM SHALL BE PLACED IN MINIMUM 6" LIFTS. AT NO TIME SHALL MACHINERY OR VEHICLES GREATER THAN THE DESIGN LIVE LOAD LISTED ON SHEET 1.1 TRAVEL OVERTOP THE SYSTEM. IF TRAVEL OVER THE SYSTEM OCCURS BEFORE THE MINIMUM DESIGN COVER IS ACHIEVED, IT MAY BE NECESSARY TO REDUCE THE ULTIMATE LOAD/BURDEN OF THE OPERATING MACHINERY SO AS TO NOT EXCEED THE DESIGN CAPACITY OF THE SYSTEM. VEHICLES AND MACHINERY USED TO PLACE FILL MATERIAL ON TOP OF THE SYSTEM SHALL TRAVEL PARALLEL TO THE LONGITUDINAL AXIS OF THE STORMTRAP MODULES WHENEVER POSSIBLE.
3. THE VIBRATORY FUNCTION OF ANY ROLLER, COMPACTOR, VEHICLE, ETC. SHALL NOT BE USED OVERTOP THE SYSTEM WITHOUT PRIOR APPROVAL FROM STORMTRAP. IN SOME CASES, HAND COMPACTION MAY BE NECESSARY TO ENSURE THAT THE ALLOWABLE DESIGN LOADING IS NOT EXCEEDED.
4. FREE DRAINING ANGULAR AGGREGATE – 80% AGGREGATE RETAINED ON ¾" SIEVE MAJORITY OF AGGREGATE SIZE BETWEEN ¾" AND 1" ONLY 5% OF MATERIAL PASSING #8 SIEVE.
5. FREE DRAINING, NO FINES, 3" ANGULAR AGGREGATE – MAJORITY OF STONE SIZE IN BETWEEN 1½" AND 3" – VERY SIMILAR TO AASHTO (#1, #2, #3, & #24) STONE AGGREGATE GRADATION.
6. CRUSHED CONCRETE AGGREGATE IS KNOWN TO REACT WITH WATER AND CAN INCREASE THE PH VALUE OF THE GROUND WATER. PRIOR TO USING CRUSHED CONCRETE AGGREGATE IN ZONE 1B IT IS IMPERATIVE THAT THE USE OF SUCH MATERIAL SHALL BE VERIFIED BY THE EOR AND/OR THE PROJECT GEOTECHNICAL ENGINEER.




BACKFILL DETAIL


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NTS

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SINGLETRAP BACKFILL SPECIFICATION

SHEET NUMBER:
4.0

## ACCESS OPENING SPECIFICATION

1. A TYPICAL ACCESS OPENING FOR THE STORMTRAP SYSTEM ARE 2'-0" IN DIAMETER. ACCESS OPENINGS LARGER THAN 4'-0" IN DIAMETER NEED TO BE APPROVED BY STORMTRAP. ALL OPENINGS MUST RETAIN AT LEAST 2'-0" OF CLEARANCE FROM THE END OF THE STORMTRAP MODULE UNLESS NOTED OTHERWISE. ALL ACCESS OPENINGS TO BE LOCATED ON INSIDE LEG UNLESS OTHERWISE SPECIFIED. SEE SHEET 2.0 FOR SIZES AND LOCATIONS.
2. UNLESS OTHERWISE SPECIFIED, PLASTIC COATED STEPS ARE PROVIDED INSIDE ANY MODULE WHERE DEEMED NECESSARY. THE HIGHEST STEP IN THE MODULE IS TO BE PLACED A DISTANCE OF 1'-0" FROM THE INSIDE EDGE OF THE STORMTRAP MODULES. ALL ENSUING STEPS SHALL BE PLACED AT A DISTANCE BETWEEN 10" MIN AND 14" MAX BETWEEN THEM. STEPS MAY BE MOVED OR ALTERED TO AVOID OPENINGS OR OTHER IRREGULARITIES IN THE MODULE.
3. STORMTRAP LIFTING INSERTS MAY BE RELOCATED TO AVOID INTERFERENCE WITH ACCESS OPENINGS OR THE CENTER OF GRAVITY OF THE MODULE AS NEEDED.
4. STORMTRAP ACCESS OPENINGS MAY BE RELOCATED TO AVOID INTERFERENCE WITH INLET AND/OR OUTLET PIPE OPENINGS SO PLACEMENT OF STEPS IS ATTAINABLE.
5. ACCESS OPENINGS SHOULD BE LOCATED IN ORDER TO MEET THE APPROPRIATE MUNICIPAL REQUIREMENTS. STORMTRAP RECOMMENDS AT LEAST TWO ACCESS OPENINGS PER SYSTEM FOR ACCESS AND INSPECTION.
6. USE PRECAST ADJUSTING RINGS AS NEEDED TO MEET GRADE. STORMTRAP RECOMMENDS FOR COVER OVER 2' TO USE PRECAST BARREL OR CONE SECTIONS. (PROVIDED BY OTHERS)

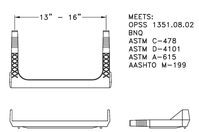
## PIPE OPENING SPECIFICATION

1. MINIMUM EDGE DISTANCE FOR AN OPENING ON THE OUTSIDE WALL SHALL BE NO LESS THAN 1'-0".
2. CONNECTING PIPES MAY BE INSTALLED WITH A 1'-0" CONCRETE COLLAR AND AN AGGREGATE CRADLE (AS REQUIRED) FOR AT LEAST ONE PIPE LENGTH (SEE PIPE CONNECTION DETAIL). A STRUCTURAL GRADE CONCRETE OR HIGH STRENGTH, NON-SHRINK GROUT WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI MAY BE USED.
3. THE ANNULAR SPACE BETWEEN THE PIPE AND THE HOLE SHALL BE FILLED WITH HIGH STRENGTH NON-SHRINK GROUT.

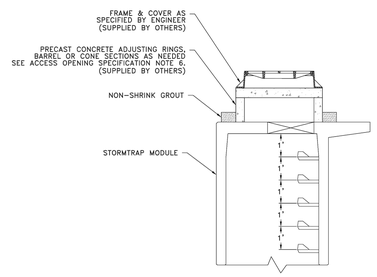
## PIPE INSTALLATION INSTRUCTIONS

1. CLEAN AND LIGHTLY LUBRICATE ALL OF THE PIPE TO BE INSERTED INTO STORMTRAP.
2. IF PIPE IS CUT, CARE SHOULD BE TAKEN TO ALLOW NO SHARP EDGES. BEVEL AND LUBRICATE LEAD END OF PIPE.
3. ALIGN CENTER OF PIPE TO CORRECT ELEVATION AND INSERT INTO OPENING.

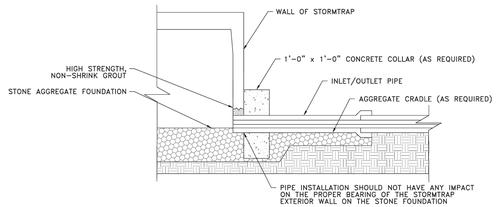
NOTE: ALL ANCILLARY PRODUCTS/SPECIFICATIONS RECOMMENDED AND SHOWN ON THIS SHEET INCLUDING BUT NOT LIMITED TO CONCRETE COLLARS, AGGREGATE CRADLES, GRADE RINGS, RISER SECTIONS, ETC., ARE RECOMMENDATIONS ONLY AND SUBJECT TO CHANGE PER THE INSTALLING CONTRACTOR AND/OR PER LOCAL MUNICIPAL CODE/REQUIREMENTS.




STEP DETAIL




RISER/STAIR DETAIL




PIPE CONNECTION DETAIL
WHEN PIPE INVERT IS AT
INVERT OF STORMTRAP SYSTEM


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SCALE:
NTS

SHEET TITLE:
PIPE / ACCESS OPENING SPECIFICATION

SHEET NUMBER:
5.0


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Prepared for:

**NEW CONSTRUCTION**
**EAST HADDAM FIREHOUSE #2**
**44 WILLIAM F. PALMER ROAD MOODUS, CT 06423**

| DATE: | REVISION: |
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KEY PLAN

STATE OF CONNECTICUT · WILLIAM G. WALTER · LICENSED PROFESSIONAL ENGINEER

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DRAWN BY: RLC
CHECKED BY: WGW

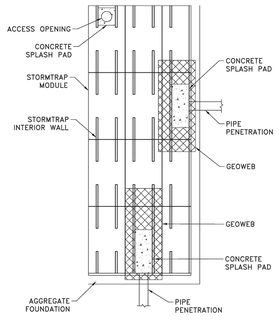
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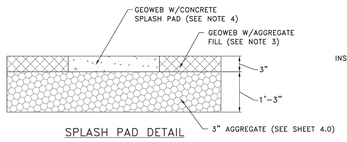
DRAWING NO.:
**C7.7**

## GEOWEB AND SPLASH PAD INSTALLATION SPECIFICATION

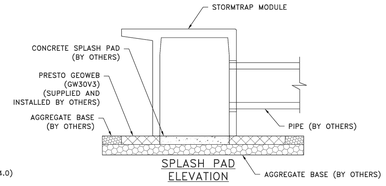
1. THE APPROVED GEOWEB SHALL BE PRESTO GEOWEB (GW30V3). THE GEOWEB NOMINAL DIMENSIONS SHALL BE 9-FT x 25-FT.
2. THE CONCRETE SPLASH PAD AND GEOWEB SHALL BE INSTALLED PRIOR TO INSTALLATION OF THE STORMTRAP MODULES.
3. THE GEOWEB INFILL MATERIAL SHALL BE #5 AGGREGATE.
4. THE CONCRETE SPLASH PAD SHALL BE INSTALLED WITHIN THE GEOWEB AND IS REQUIRED AT ALL PIPE ENTRY LOCATIONS.
5. THE GEOWEB EDGE SHALL BE INSTALLED 1-FT BEYOND THE OUTER PERIMETER OF THE STORMTRAP SYSTEM.
6. THE GEOWEB LONGITUDINAL DIMENSION (25-FT) SHALL BE INSTALLED PARALLEL TO THE STORMTRAP LEGS.
7. THE CONCRETE SPLASH PAD AND GEOWEB SHALL BE CENTERED AT THE PIPE PENETRATION.
8. REFER TO SPLASH PAD LAYOUT FOR CONCRETE SPLASH PAD DIMENSIONS.
9. IF ANY PRODUCT OTHER THAN PRESTO GEOWEB IS TO BE INSTALLED, THE PRODUCT MANUFACTURER IS REQUIRED TO SUBMIT A LETTER STATING THAT THE PRODUCT IS EQUAL OR BETTER THEN PRESTO GEOWEB, BOTH IN PERFORMANCE AND IN STRUCTURAL CAPACITY.
10. ALL GEOWEB AND SPLASH PADS TO BE SUPPLIED AND INSTALLED BY CONTRACTOR.
11. A CONCRETE SPLASH PAD IS REQUIRED AT ANY ACCESS OPENING THAT HAS AN OPEN GRATE FOR DRAINAGE. THE CONCRETE SPLASH PAD SHALL EXTEND BETWEEN THE UNIT LEG WALLS AND 3'-0" FROM THE CENTERLINE OF THE OPENING ON BOTH SIDES UNLESS SPECIFIED OTHERWISE ON THE SPLASH PAD LAYOUT. GEOWEB IS NOT REQUIRED UNDER ACCESS OPENINGS.

### SPLASH PAD CONFIGURATION

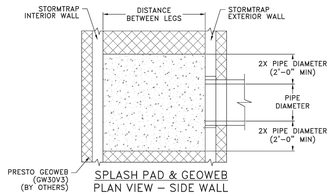


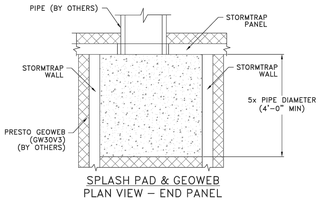

SPLASH PAD DETAIL




SPLASH PAD ELEVATION




SPLASH PAD & GEOWEB
PLAN VIEW – SIDE WALL




SPLASH PAD & GEOWEB
PLAN VIEW – END PANEL

StormTrap
PATENTS LISTED AT: [HTTP://STORMTRAP.COM/PATENT]
1287 WINDHAM PARKWAY
ROMEOVILLE, IL 60446
P:815-941-4549 / F:331-318-5347

ENGINEER INFORMATION:
Benesch
200 Glastonbury Blvd
#201
Glastonbury, CT
860-633-8341

PROJECT INFORMATION:
East Haddam
Firehouse #2
Moodus, CT

CURRENT ISSUE DATE:
02/02/2026

ISSUED FOR:
PRELIMINARY

| REV. | DATE: | ISSUED FOR: | DWN BY: |
|---|---|---|---|
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| 2 | 02/02/2026 | PRELIMINARY | LR |
| 1 | 01/27/2026 | PRELIMINARY | LR |

SCALE:
NTS

SHEET TITLE:
SPLASH PAD & GEOWEB DETAILS

SHEET NUMBER:
6.0


Prepared by:
benesch
Alfred Benesch & Company
200 Glastonbury Boulevard, Suite 201
Glastonbury, Connecticut 06033
860-633-8341


Prepared for:

**NEW CONSTRUCTION**
**EAST HADDAM FIREHOUSE #2**
**44 WILLIAM F. PALMER ROAD MOODUS, CT 06423**

| DATE: | REVISION: |
|---|---|
| 02/16/2026 | PLANNING & ZONING SUBMISSION |

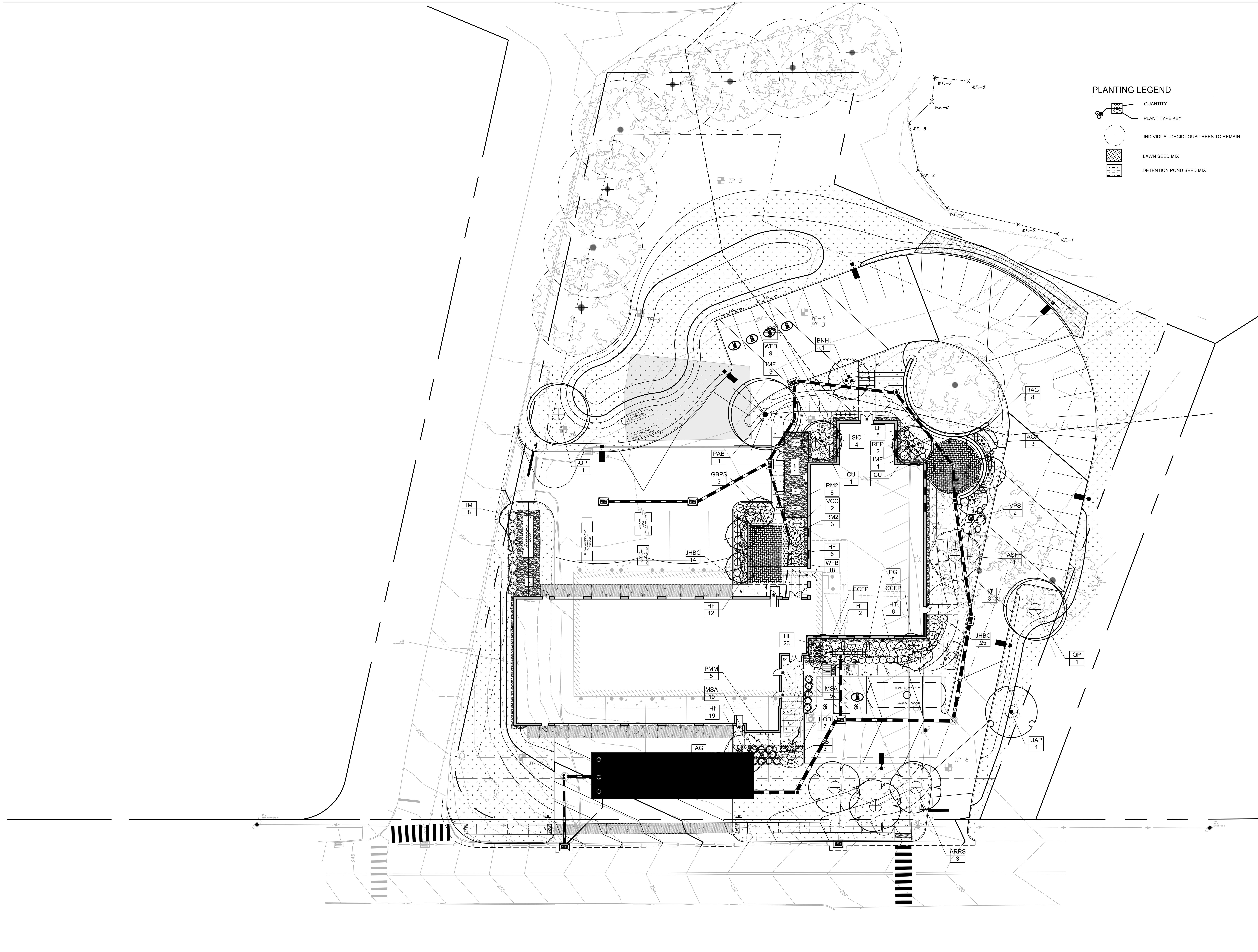
KEY PLAN

STATE OF CONNECTICUT · WILLIAM G. WALTER · LICENSED PROFESSIONAL ENGINEER

PROJECT NO.: 70903.00
SCALE: AS SHOWN
DATE: 01/13/2026
DRAWN BY: RLC
CHECKED BY: WGW

**SITE DETAILS**

DRAWING NO.:
**C7.8**





Prepared by:

benesch

Alfred Benesch & Company
200 Glastonbury Boulevard, Suite 201
Glastonbury, Connecticut 06033
860-633-8341


Prepared for:

## NEW CONSTRUCTION
## EAST HADDAM FIREHOUSE #2
44 WILLIAM F. PALMER ROAD
MOODUS, CT 06423

| DATE: | REVISION: |
|---|---|
| 02/16/2026 | PLANNING & ZONING SUBMISSION |
| | |
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KEY PLAN

0 20' 40'
SCALE: 1" = 20'

STATE OF CONNECTICUT WILLIAM G. WALTER 29148 LICENSED PROFESSIONAL ENGINEER

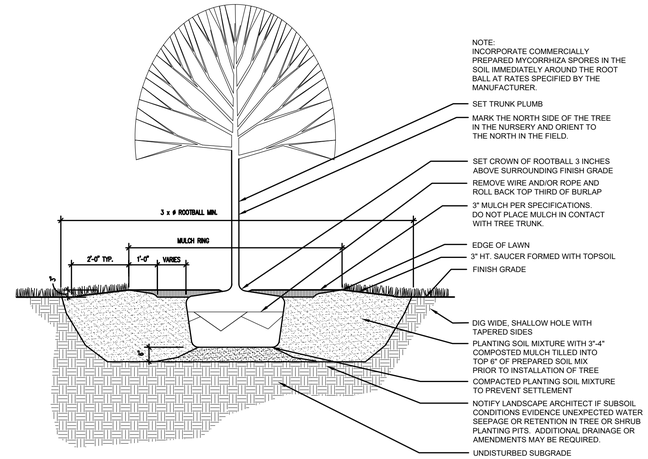
PROJECT NO.: 70903.00
SCALE: 1" = 20'
DATE: 01/13/2026
DRAWN BY: TRS
CHECKED BY: WGW

## PLANTING PLAN

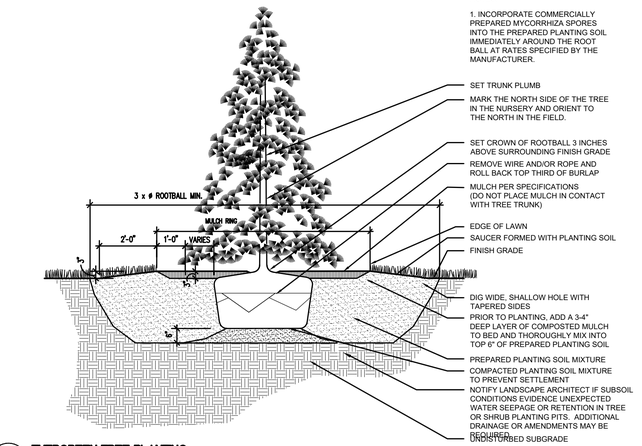
DRAWING NO.:
L1.0

## PLANT SCHEDULE

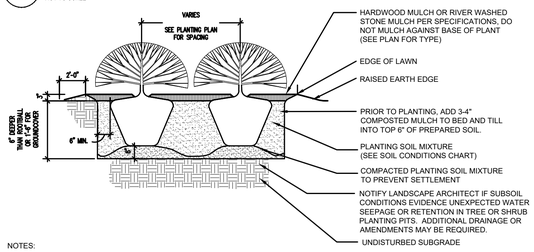
| SYMBOL | CODE | BOTANICAL / COMMON NAME | CONT | CAL | SIZE | | QTY |
|---|---|---|---|---|---|---|---|
| *DECIDUOUS TREES* | | | | | | | |
| | ARRS | ACER RUBRUM `RED SUNSET` / RED SUNSET MAPLE | B & B | 3.0"-3.5" CAL | 20' MIN. | | 3 |
| | ASFF | ACER SACCHARUM `FALL FIESTA` / FALL FIESTA SUGAR MAPLE | B & B | 3.5"CAL | | | 1 |
| | BNH | BETULA NIGRA `HERITAGE` / HERITAGE RIVER BIRCH | B & B | MULTI-TRUNK | 8-10` HT. | | 1 |
| | GBPS | GINKGO BILOBA `PRINCETON SENTRY` / PRINCETON SENTRY MAIDENHAIR TREE | B & B | 2.5-3" CAL. | | | 3 |
| | PAB | PLATANUS X ACERIFOLIA `BLOODGOOD` / LONDON PLANE TREE | B & B | 6-7" CAL. | 20` MIN. | | 1 |
| | QP | QUERCUS PALUSTRIS / PIN OAK | B & B | 2.5-3" CAL. | | | 2 |
| | UAP | ULMUS AMERICANA `PRINCETON` / PRINCETON AMERICAN ELM | B & B | 2.5-3" CAL. | | | 1 |
| *ORNAMENTAL TREES* | | | | | | | |
| | AG | ACER GRISEUM / PAPERBARK MAPLE | B & B | 2.5-3" CAL. | 8-10` HT. | | 1 |
| | AGA | AMELANCHIER X GRANDIFLORA `AUTUMN BRILLIANCE` / AUTUMN BRILLIANCE SERVICEBERRY | B & B | MULTI-TRUNK | 12-14` HT. | | 3 |
| | CCFP | CERCIS CANADENSIS `FOREST PANSY` TM / FOREST PANSY REDBUD | B & B | 2.5-3" CAL. | | | 2 |
| | CU | CORNUS KOUSA 'RUTPINK' / SCARLET FIRE® KOUSA DOGWOOD | B & B | 2"-2.5" CAL. | 12-14" HT. | | 2 |
| *SYMBOL* | *CODE* | *BOTANICAL / COMMON NAME* | *SIZE* | *HEIGHT* | *SPREAD* | | *QTY* |
| *SHRUBS* | | | | | | | |
| | RM2 | RHODODENDRON X 'P.J.M. COMPACT' / PJM COMPACT RHODODENDRON | #5 CONT. | 2' HT. | 2-3` SPR. | | 11 |
| *ANNUALS/PERENNIALS* | | | | | | | |
| | HOB | HELLEBORUS ORIENTALIS `BRANDYWINE` TM / BRANDYWINE LENTEN ROSE | #1 CONT. | 9-12" HT. | 9-12" SPR. | | 7 |
| | HI | HELLEBORUS X HYBRIDUS 'COSEH 4500' / ICE N' ROSES® WHITE HELLEBORE | 5 GAL | 9-12" HT. | 9-12" SPR. | | 42 |
| | LV | LIRIOPE MUSCARI 'VARIEGATA' / VARIEGATED LILYTURF | #1 CONT | 9-12" HT. | | | 1 |
| *DECIDUOUS SHRUBS* | | | | | | | |
| | HT | HYDRANGEA MACROPHYLLA 'PIIHM-I' / ENDLESS SUMMER® TWIST-N-SHOUT® HYDRANGEA | #5 CONT. | 18"-24" HT. | 18-24" SPR. | | 11 |
| | HF | HYPERICUM FRONDOSUM 'SUNBURST' / SUNBURST ST. JOHN'S WORT | #3 CONT. | 15-18" HT. | 15-18" SPR. | | 18 |
| | PG | POTENTILLA FRUTICOSA 'GOLDFINGER' / GOLDFINGER BUSH CINQUEFOIL | #5 CONT. | 15-18" HT. | | | 8 |
| | RAG | RHUS AROMATICA `GRO-LOW` / GRO-LOW FRAGRANT SUMAC | #3 CONT. | 8-12" HT. | 12-15" SP. | | 8 |
| | SIC | STEPHANANDRA INCISA `CRISPA` / CUTLEAF STEPHANANDRA | #3 CONT. | 12-15" HT. | 18-24" SPR. | | 4 |
| | SB | SYRINGA X `BAILBELLE` TM / TINKERBELLE LILAC | #5 CONT. | 36-42" HT. | 30-36" SPR. | | 3 |
| | VCC | VIBURNUM CARLESII `COMPACTUM` / KOREAN SPICE VIBURNUM | #5 CONT. | 24-30" HT. | 24-30" SPR. | | 2 |
| | VPS | VIBURNUM PLICATUM TOMENTOSUM 'SHASTA' / SHASTA DOUBLEFILE VIBURNUM | #5 CONT. | 36-42" HT. | 36-42" SPR. | | 2 |
| | WFB | WEIGELA FLORIDA `BOKRASPIWI` / SPILLED WINE WEIGELA | #3 CONT. | 12-15" HT. | 15-18" SPR. | | 27 |
| *EVERGREEN SHRUBS* | | | | | | | |
| | IM | ILEX X MESERVEAE 'AMORE' / MAGICAL® AMORE MESERVE HOLLY | #10 CONT. | 30-36" HT. | 24-30" SP. | | 8 |
| | IMF | ILEX X MESERVEAE `CHINA GIRL` TM / CHINA GIRL HOLLY | #7 CONT. | 3-4` HT. | 30-36" SP. | | 4 |
| | JCS | JUNIPERUS CHINENSIS `SARGENTII` / SARGANT JUNIPER | #3 CONT. | 9-12" HT. | 18-24" SPR. | | 6 |
| | JHBC | JUNIPERUS HORIZONTALIS `BLUE CHIP` / BLUE CHIP JUNIPER | #3 CONT. | 9-12" HT. | 12-15" SP. | | 39 |
| | LF | LEUCOTHOE FONTANESIANA / DROOPING LEUCOTHOE | #5 CONT. | 15-18" HT. | 18-24" SPR. | | 8 |
| | PMM | PINUS MUGO 'MUGHUS' / MUGHUS MUGO PINE | #3 CONT. | 15-18" HT. | 15-18" SPR. | | 5 |
| | REP | RHODODENDRON `ELITE PJM` / ELITE PJM RHODODENDRON | #7 CONT. | 30-36" HT. | 30-36" SPR. | | 2 |
| *GRASSES* | | | | | | | |
| | MSA | MISCANTHUS SINENSIS `ADAGIO` / ADAGIO EULALIA GRASS | #2 CONT. | 18-24" HT. | 18-24" SPR. | | 15 |
| *SYMBOL* | *CODE* | *BOTANICAL / COMMON NAME* | *CONT* | *HEIGHT* | *SPREAD* | *SPACING* | *QTY* |
| *GROUND COVERS* | | | | | | | |
| | TH | TURF SEED MIX | SEED | | | | 26,123 SF |




### 1 DECIDUOUS TREE PLANTING
1/2" = 1'-0"



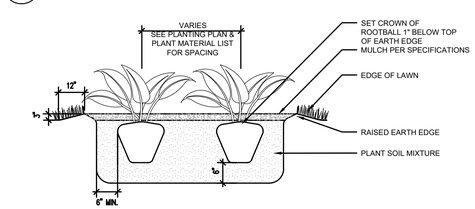

### 2 EVERGREEN TREE PLANTING
NOT TO SCALE



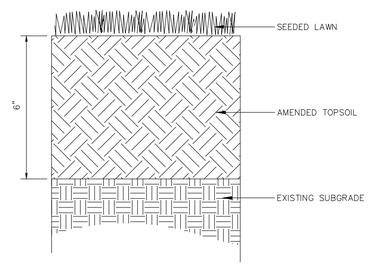

NOTES:

1. FOR CONTAINER GROWN SHRUBS, GENTLY PULL THE ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL; THEN CUT OR PULL APART ANY ROOTS CIRCLING THE PERIMETER OF CONTAINER.
2. FOR B&B SHRUBS, FOLD BURLAP FROM TOP OF ROOT BALL DOWN TO GROUND.
3. INCORPORATE COMMERCIALLY PREPARED MYCORRHIZA SPORES IN THE SOIL IMMEDIATELY AROUND THE ROOT BALL AT RATES SPECIFIED BY THE MANUFACTURER
4. CONFIRM THAT WATER DRAINS OUT OF THE SOIL DURING THE DESIGN PHASE, DESIGN ALTERNATIVE DRAINAGE SYSTEMS, AS REQUIRED.

### 3 SHRUB PLANTING BED
N.T.S.




### 4 PERENNIAL PLANTING (CONTINUOUS PLANTING BED)
N.T.S.




### 5 LAWN
NOT TO SCALE

Prepared by:
benesch
Alfred Benesch & Company
200 Glastonbury Boulevard, Suite 201
Glastonbury, Connecticut 06033
860-633-8341

Prepared for:

**NEW CONSTRUCTION**
**EAST HADDAM FIREHOUSE #2**
**44 WILLIAM F. PALMER ROAD**
**MOODUS, CT 06423**

| DATE: | REVISION: |
|---|---|
| 02/16/2026 | PLANNING & ZONING SUBMISSION |
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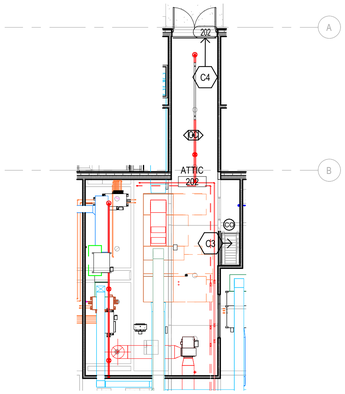
KEY PLAN

STATE OF CONNECTICUT · WILLIAM G. WALKER · 29141 · LICENSED PROFESSIONAL ENGINEER

PROJECT NO.: 70903.00
SCALE: AS SHOWN
DATE: 01/13/2026
DRAWN BY: TRS
CHECKED BY: WGW

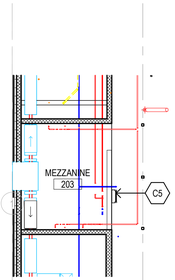
## PLANTING SCHEDULE & DETAILS

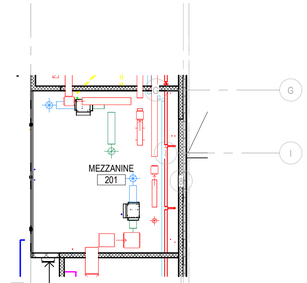
DRAWING NO.:
**L1.1**




## 3 ATTIC FLOOR PLAN

1" = 10'-0"

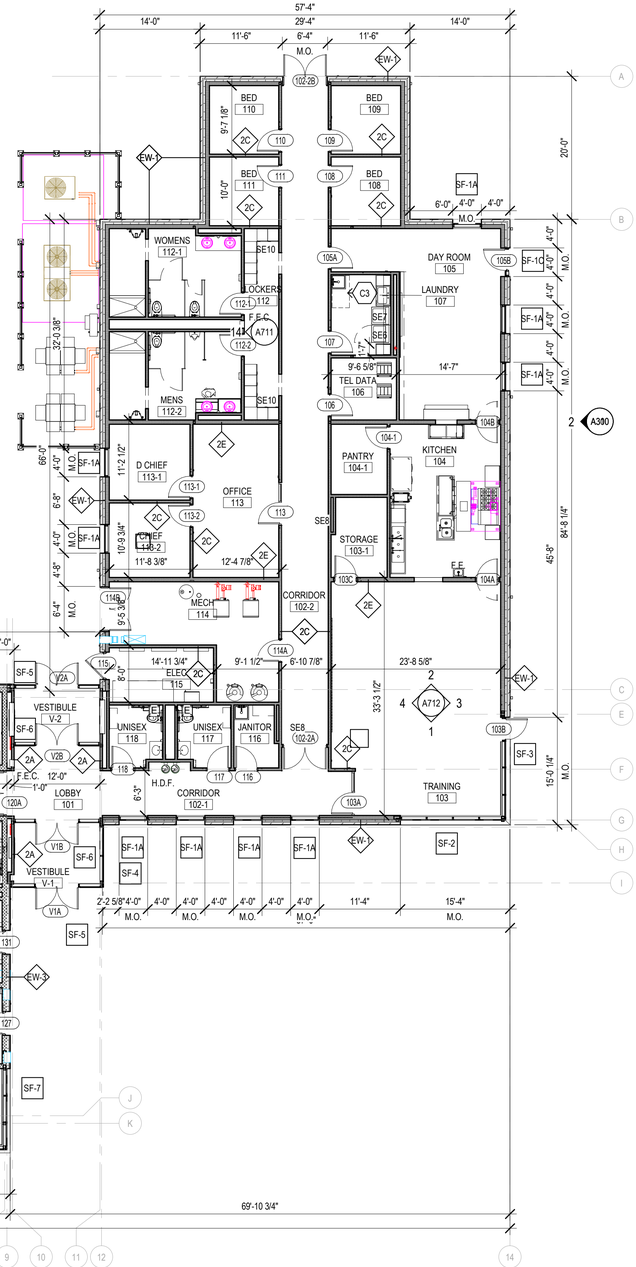



## 2 MECH. MEZZANINE ACCESS FLOOR PLAN

1" = 10'-0"






## 1 FIRST FLOOR PLAN

1" = 10'-0"

## SYMBOL LEGEND

- NEW METAL STUD PARTITIONS
- NEW MASONRY WALL
- NEW CMU WALL
- A 101 - DOOR NUMBER
- XX - WINDOW TYPE
- Room name 101 - ROOM NAME / ROOM NUMBER
- 1A - PARTITION TYPE
- Cxx - CONSTRUCTION NOTE
- 2 A101 - EXTERIOR ELEVATION NUMBER / SHEET NUMBER
- 2 A101 - INTERIOR ELEVATION NUMBER / SHEET NUMBER
- 2 A101 | 2 A101 - BUILDING SECTION NUMBER / SHEET NUMBER
- 2 A101 - WALL SECTION NUMBER / SHEET NUMBER
- F.E.C. - FIRE EXTINGUISHER CABINET
- FD - FLOOR DRAIN - SLOPE TO DRAIN
- H.D.F. - HANDICAPPED DRINKING FOUNTAIN

## GENERAL NOTES

1. READ ALL GENERAL NOTES ON DRAWING A001.
2. CONTRACTORS SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS.
3. ALL DIMENSIONS ARE TO OUTSIDE FACE OF BRICK, CONCRETE MASONRY UNITS AND METAL FRAMING UNLESS OTHERWISE NOTED.
4. ALL NEW WALL AND PARTITION ASSEMBLIES SHALL EXTEND TO UNDERSIDE OF DECK UNLESS OTHERWISE NOTED.
5. PROVIDE CMU WITH PRE-MANUFACTURED BULLNOSE AT ALL EXPOSED CORNERS.
6. WHERE THE WORD "ALIGN" IS INDICATED IT SHALL MEAN TO ALIGN BOTH SIDES OF WALL.

## CONSTRUCTION NOTES - PLAN

| | |
|---|---|
| C1 | CONTRACTOR TO PROVIDE CLEAN-FILL TO SITE AND INFILL REMAINING AS REQUIRED - COORDINATE CIVIL DRAWINGS FOR NEXT PHASE OF CONSTRUCTION. |
| C2 | CONTINUOUS TRENCH DRAIN SITTING BELOW FINISH FLOOR - ONE PER APPARATUS BAY; SURROUNDING FLOOR AND SLAB TO SLOPE TO TRENCH DRAIN AT 1/8" PER 12". REFER TO PLUMBING AND STRUCTURAL FOR ADDITIONAL INFORMATION |
| C3 | MECHANICAL ATTIC ACCESS HATCH; DEEP BOX LADDER ENCLOSURE SET IN CEILING UP TO ATTIC DECK; REFER TO MANUFACTURER DETAILS |
| C4 | PROVIDE REMOVABLE RAILING AT EXTERIOR MECHANICAL ACCESS DOOR |
| C5 | PROVIDE STAINLES STEEL ACCESS LADDER AT SPECIFIED LOCATION FOR MECHANICAL ACCESS; MOUNTED TO WALL |
| C6 | PROVIDE COUNTER-SLOPE IN FLOOR SLAB AT ALL APPARATUS BAY COLUMNS TO PREVENT WATER POOLING. |

## SPECIALTY EQUIPMENT SCHEDULE

| MARK | MANUFACTURER | MODEL | DESCRIPTION | QTY |
|---|---|---|---|---|
| | | | | |
| SE1 | CONTINENTAL - GIRBAU INC. | PRO SERIES H2130 | GEAR EXTRACTOR | 1 |
| SE2 | RESCUE INTELLITECH | SOLO RESCUE | DECON WASHER | 1 |
| SE3 | RAM AIR GEAR DRYER | TG-6 | GEAR DRYER | 1 |
| SE4 | BAUER | UNICUS-4 | AIR COMPRESSOR | 1 |
| SE5 | GROVES | READY RACK - 18" SECTIONS | WALL MOUNTED GEAR RACKS | 21 |
| SE6 | - | - | DRYER | 1 |
| SE7 | - | - | WASHER | 1 |
| SE8 | - | - | IN-WALL DISPLAY CABINET | 2 |
| SE10 | Salsbury Industries | 18_21161-E | 18" WIDE - 6 FEET HIGH - 21 INCHES DEEP - WITH BASE | 12 |

PROJECT TITLE:

NEW CONSTRUCTION
EAST HADDAM FIREHOUSE #2
44 WILLIAM PALMER RD
MOODUS, CT 06423

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

| REVISION: | DESCRIPTION: | DATE: | REVISED BY: |
|---|---|---|---|

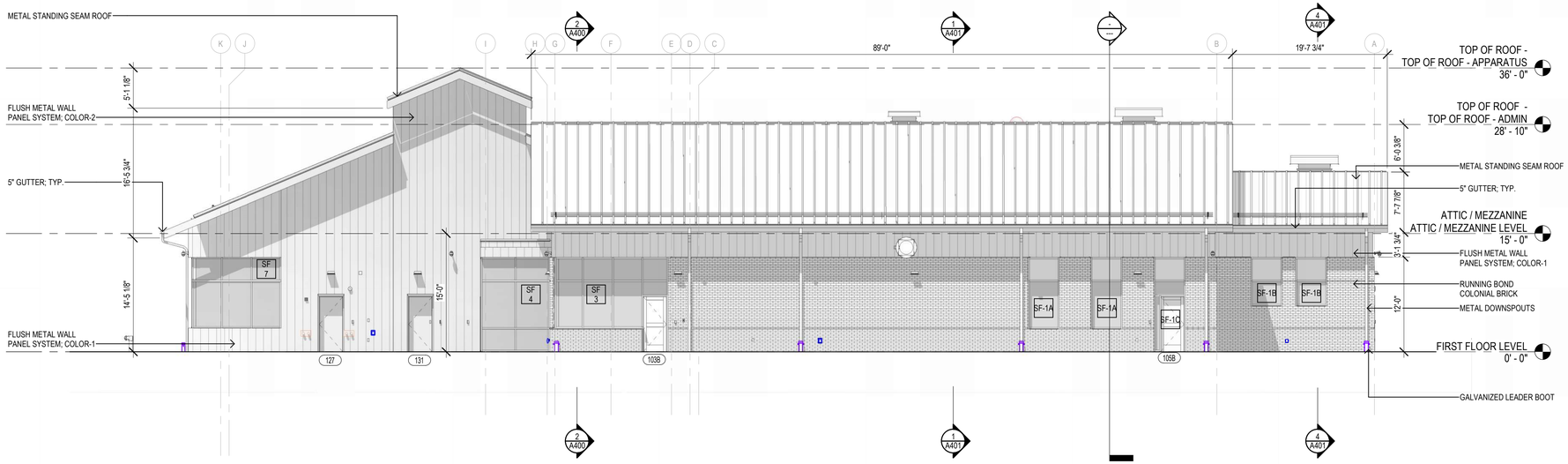
DRAWING TITLE: FLOOR PLAN

PROJECT SUBMISSION: CONSTRUCTION DOCUMENTS

DATE: 2/17/2026
SCALE: As indicated
DRAWN BY: E CANTAR
PROJECT NUMBER: 22.319

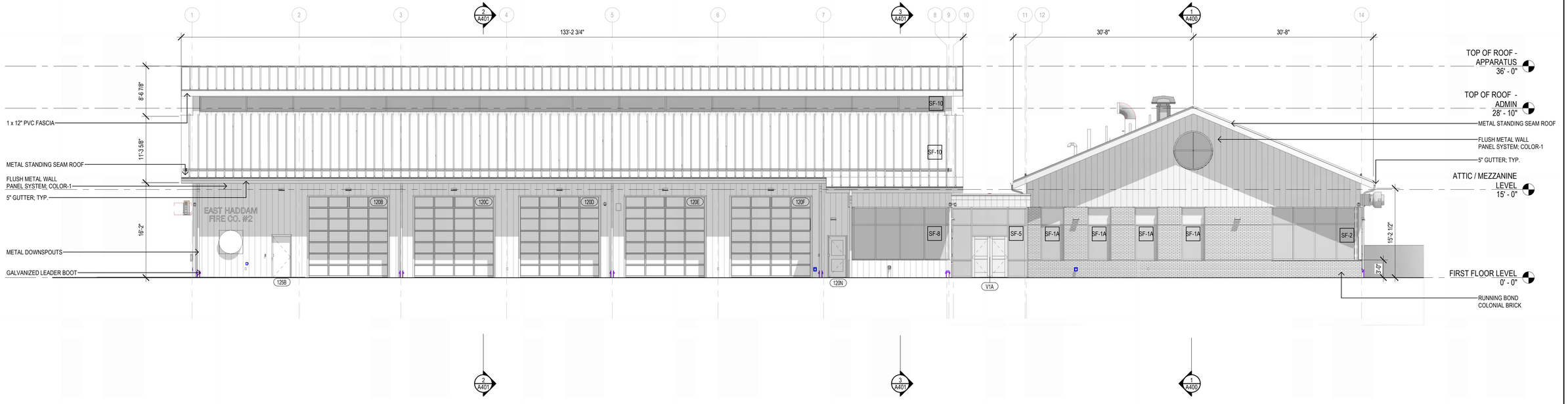
DRAWING NUMBER: A111

2/17/2026 2:00:28 PM




## 2 SOUTH EAST ELEVATION

1/8" = 1'-0"




## 1 SOUTH WEST ELEVATION

1/8" = 1'-0"

PROJECT TITLE:
NEW CONSTRUCTION
EAST HADDAM FIREHOUSE #2
44 WILLIAM PALMER RD
MOODUS, CT 06423

SILVER PETRUCELLI + ASSOCIATES
3190 WHITNEY AVENUE HAMDEN CT 06518
311 STATE STREET NEW LONDON CT 06320
203 230 9007 silverpetrucelli.com

REVISION: DESCRIPTION: DATE: REVISED BY:

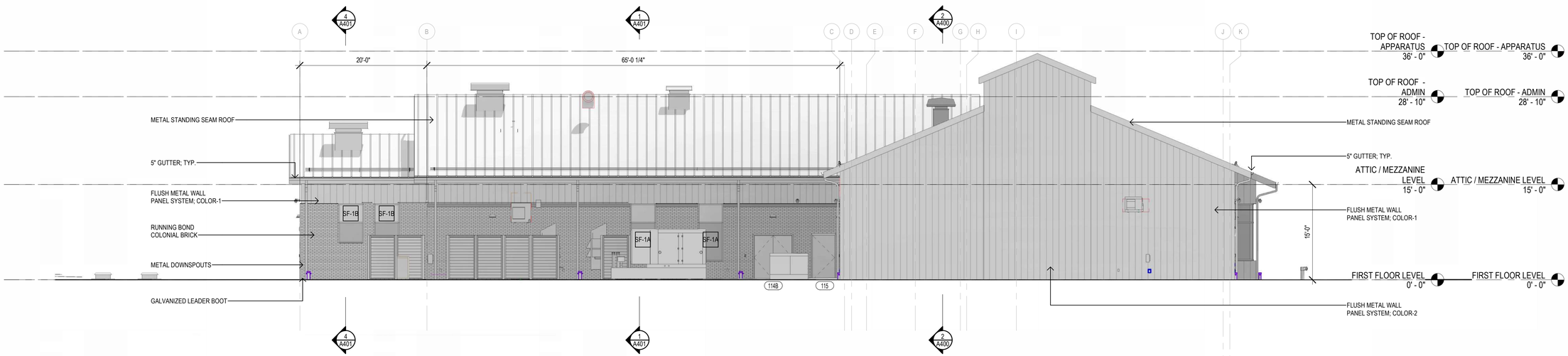
DRAWING TITLE:
EXTERIOR ELEVATIONS

PROJECT SUBMISSION:
CONSTRUCTION DOCUMENTS

DATE: 2/17/2026
SCALE: 1/8" = 1'-0"
DRAWN BY: E CANTAR
PROJECT NUMBER: 22.319

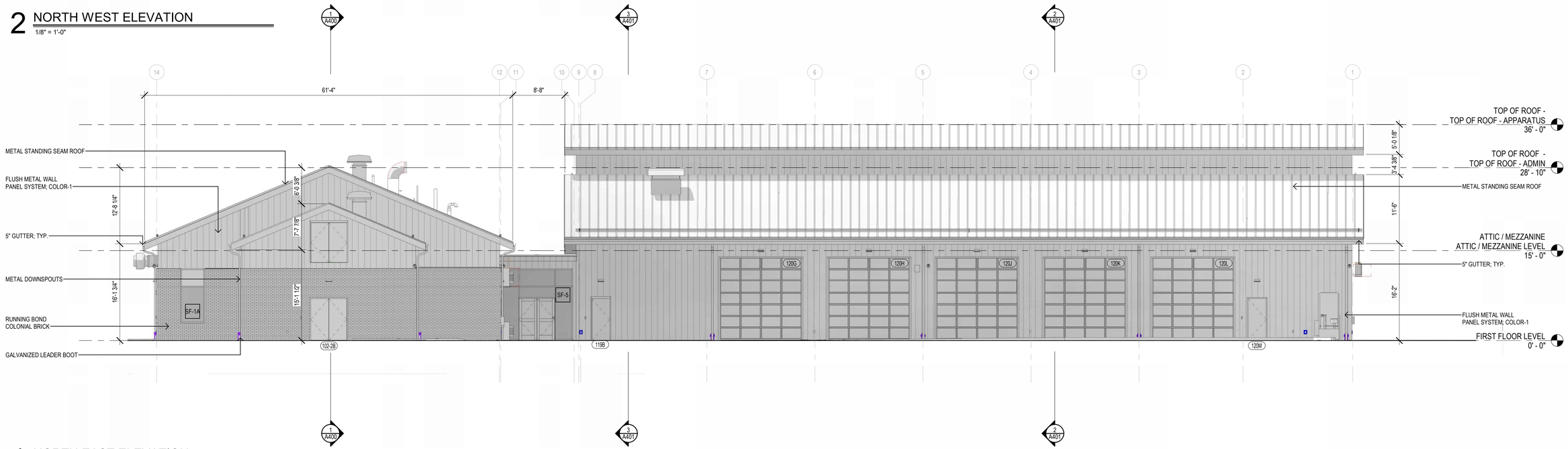
DRAWING NUMBER: A310

2/17/2026 1:23:52 PM




## 2 NORTH WEST ELEVATION

1/8" = 1'-0"




## 1 NORTH EAST ELEVATION

1/8" = 1'-0"

PROJECT TITLE:

NEW CONSTRUCTION
EAST HADDAM FIREHOUSE #2
44 WILLIAM PALMER RD
MOODUS, CT 06423

SILVER PETRUCELLI + ASSOCIATES
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DRAWING TITLE:
EXTERIOR ELEVATIONS

PROJECT SUBMISSION:
CONSTRUCTION DOCUMENTS

DATE: 2/17/2026
SCALE: 1/8" = 1'-0"
DRAWN BY: E CANTAR
PROJECT NUMBER: 22.319

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FOR REFERENCE ONLY

PROJECT TITLE:
NEW CONSTRUCTION
EAST HADDAM FIREHOUSE #2
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DRAWING TITLE: EXTERIOR RENDERING
PROJECT SUBMISSION: CONSTRUCTION DOCUMENTS
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