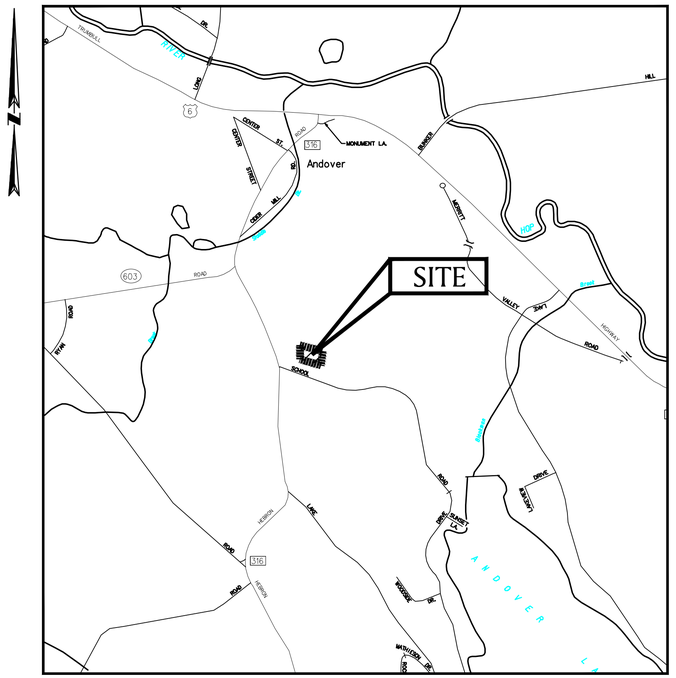
ANDOVER COMMUNITY CENTER

17 SCHOOL ROAD
ANDOVER, CONNECTICUT

MAY 18, 2023

REVISED: JUNE 16, 2023



SITE MAP

500 0 1000 2000 3000 feet

SCALE: 1"=1000'

INDEX OF DRAWINGS

PREPARED FOR:

TOWN OF ANDOVER
17 SCHOOL ROAD
ANDOVER, CT 06232

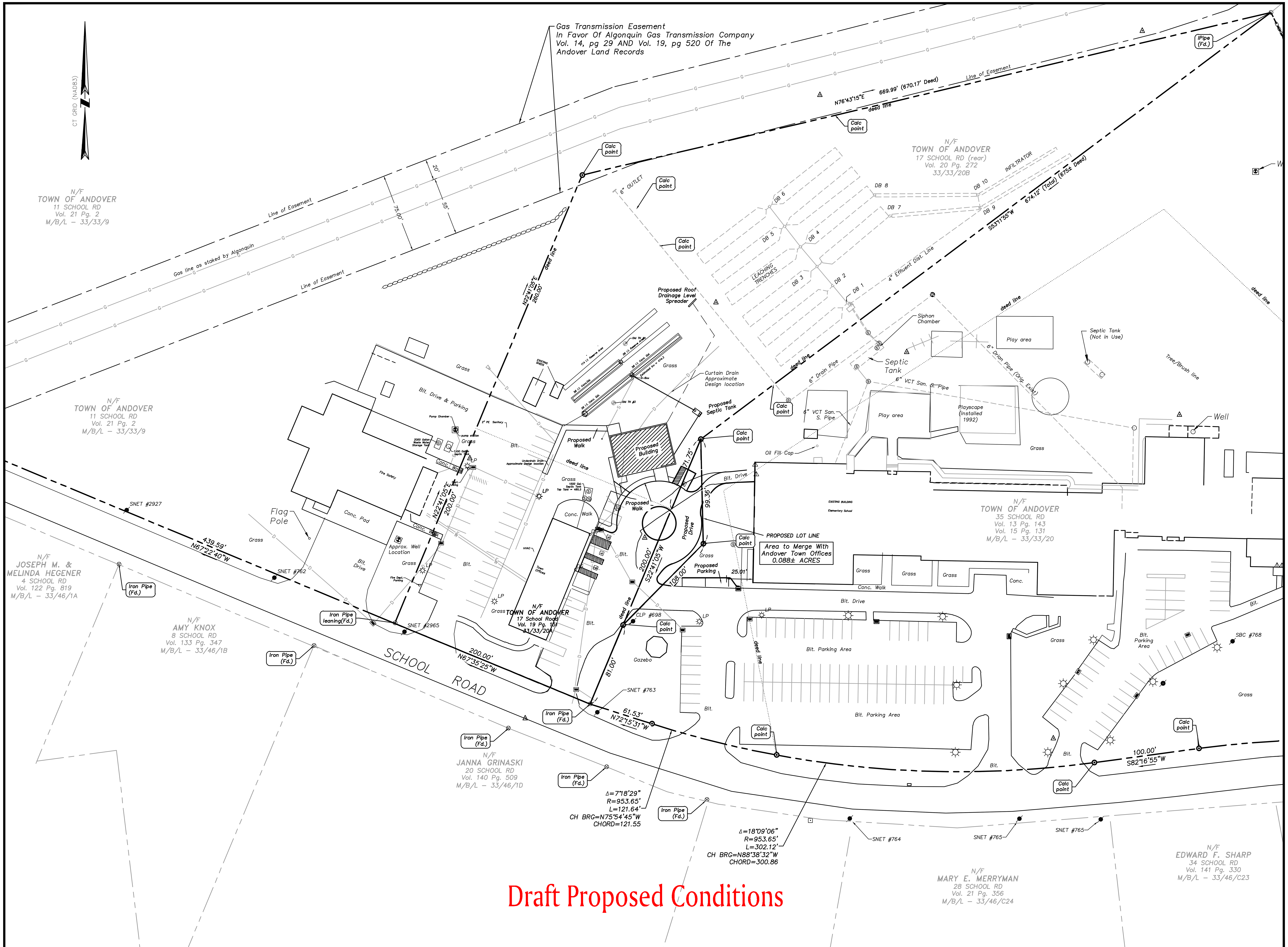
ISSUED FOR PERMITTING

PREPARED BY:

BSC GROUP
655 Winding Brook Drive
Glastonbury, Connecticut 06033
860 652 8227

STATE OF CONNECTICUT · ROBERT S. NEMIA · No. 20682 · LICENSED PROFESSIONAL ENGINEER

JOB NO: 83821.00 DWG NO: SHEET T-1.0



Draft Proposed Conditions

DRAFT

MICHAEL C. HEALEY
P.L.S. #17247

LIMITED BOUNDARY SURVEY

ANDOVER
TOWN OFFICES
COMMUNITY CENTER
FIRE HOUSE
AND SCHOOL SITE

#11, #17 & #35 SCHOOL RD

ANDOVER, CONNECTICUT

JUNE 2023

REVISIONS:

NO.	DATE	DESC.
	06/16/2023	REVISED PER TOWN COMMENTS

PREPARED FOR:
TOWN OF ANDOVER
17 SCHOOL ROAD
ANDOVER, CT 06232

BSC GROUP
655 Winding Brook Drive
Glastonbury, Connecticut
06033
860 652 8227

SCALE: 1" = 40'
0 20 40 80 FEET

FILE: P:\83821OO\SURVEY\DRAWINGS
DWG.:
JOB. NO: 83821.00
SHEET 1 OF 1

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 VERIFYING 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. NOTIFY THE ENGINEER OF ANY AND ALL DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
4. 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.
5. 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.
6. 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.
7. ALL ITEMS THAT ARE TO BE REMOVED AND DISPOSED OF SHALL BE DISPOSED OF IN A LEGAL MANNER OFF-SITE.
8. THE MUNICIPAL FACILITES (FIRE STATION, TOWN HALL, SCHOOL) WILL BE OCCUPIED AND IN USE DURING THE COURSE OF THE WORK. PROVIDE SAFETY BARRIERS, INCLUDING BUT NOT LIMITED TO, FENCING, BARRICADES, AND SIGNAGE AS REQUIRED TO PREVENT UNAUTHORIZED ENTRY TO THE WORK AREA AT ALL TIMES.
9. ALL CONSTRUCTION FENCING AND WARNING SIGNS SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION. INSTALL CONSTRUCTION FENCING AT THE LIMIT OF WORK.
10. 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.
11. PROTECT ALL IMPROVEMENTS NOT INCLUDED IN THE SCOPE OF SITE DEMOLITION. ANY IMPROVEMENT WHICH IS DAMAGED SHALL BE REPAIRED OR REPLACED IN-KIND TO THE OWNER'S SATISFACTION.
12. 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.

LAYOUT & MATERIALS NOTES:

1. 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 VERIFYING 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. NOTIFY THE ENGINEER OF ANY AND ALL DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
4. 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.
5. 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.
6. 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.
7. THIS DRAWING IS INTENDED TO DEPICT THE LOCATION, LAYOUT, AND MATERIALS OF CONSTRUCTION AND IS INTENDED TO BE USED IN CONJUNCTION WITH THE DETAILS AND APPLICABLE SPECIFICATION SECTIONS.
8. ENGAGE A CONNECTICUT-LICENSED LAND SURVEYOR TO PERFORM LAND-SURVEYING SERVICES REQUIRED, INCLUDING, BUT NOT LIMITED TO VERIFICATION AND LAYOUT OF PROPOSED IMPROVEMENTS, DIMENSIONS, AND ELEVATIONS. REPORT DISCREPANCIES TO THE ENGINEER.
9. 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. BLEND RESTORED AREAS INTO ADJACENT UNDISTURBED AREAS.
10. THE CROSS-SLOPE OF ANY SIDEWALK, WALKWAY, OR OTHER PEDESTRIAN SURFACE SHALL NOT BE STEEPER THAN 1:48 (2%).
11. ACCESSIBLE ROUTES SHALL COMPLY WITH CONNECTICUT BUILDING CODE. THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:20 (5%). THE CROSS SLOPE OF A WALKING SURFACE SHALL NOT BE STEEPER THAN 1:48 (2%).
12. RAMPS SHALL COMPLY WITH CT BUILDING CODE, REF. 2012 IBC SECTION 1010 AND ICC/ANSI A117.1 2009 CHAPTER 4, SECTION 405.
13. DIMENSIONS INDICATED ARE TO FACE OF CURB, PAVEMENT EDGE, EDGE OR CENTERLINE OF IMPROVEMENT, OR AS OTHERWISE NOTED.
14. PROVIDE FOR THE LAYOUT AND STAKING/MARKING OF THE PROPOSED LOCATION OF ALL PROPOSED SITE IMPROVEMENTS, INCLUDING FURNISHINGS. OBTAIN ENGINEER'S APPROVAL OF THE LAYOUT PRIOR TO PROCEEDING WITH THE WORK.
15. UNLESS OTHERWISE INDICATED, LINES ARE PARALLEL OR PERPENDICULAR TO LINE FROM WHICH THEY ARE MEASURED.
16. ALL CURBING IS BITUMINOUS CONCRETE UNLESS OTHERWISE INDICATED. WHERE CURBING IS ADJACENT TO SIDEWALKS, IT SHALL BE MONOLITHIC CONCRETE PER APPLICABLE DETAILS.

UTILITY 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 LOCATIONS OF EXISTING UTILITIES AS SHOWN ON THE PLANS MAY VARY FROM ACTUAL EXISTING CONDITIONS IN THE FIELD. COORDINATE WITH RESPECTIVE UTILITY OWNERS AND PERFORM VERIFICATION OF TYPE, LOCATION AND INVERTS AS REQUIRED. VERIFY ALL TIE-IN POINTS, ROUTING, CONFLICTS, CROSSINGS, AND BUILDING CONNECTION POINTS TO FACILITATE THE COMPLETION OF THE WORK.
3. PERFORM EXPLORATORY EXCAVATIONS AS REQUIRED TO VERIFY THE AS-BUILT LOCATION OF EXISTING SUBSURFACE UTILITIES WHERE CROSSINGS OR OTHER POTENTIAL CONFLICTS ARE PRESENT.
4. NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
5. THE TOPS, RIMS, FRAMES, GRATES, AND COVERS (AS APPLICABLE) OF ALL UTILITY STRUCTURES THAT ARE TO REMAIN SHALL BE ADJUSTED TO MATCH FINAL GRADE IN A FLUSH CONDITION. ALL NEW UTILITY STRUCTURES SHALL BE INSTALLED WITH TOPS, RIMS, FRAMES, GRATES, AND COVERS (AS APPLICABLE) TO FINAL GRADE IN A FLUSH CONDITION.
8. ALL LIGHTING ELECTRICAL SUPPLIES SHALL BE INSTALLED IN MINIMUM 1-INCH PVC CONDUIT PER APPLICABLE SPECIFICATIONS. PLASTIC MARKING TAPE SHALL BE USED ON ALL CONDUIT RUNS.
9. THE ROUTING OF LIGHTING ELECTRICAL SUPPLIES SHOWN IS CONCEPTUAL. CONTRACTOR SHALL DETERMINE THE SPECIFIC ROUTING OF ALL LIGHTING SYSTEMS BASED ON THE ACTUAL LOCATION OF TIE-IN(S) TO EXISTING LIGHTING FEEDS AND AS REQUIRED TO AVOID CONFLICTS WITH OTHER CONSTRUCTION OR SUBSURFACE FACILITIES. PRIOR TO INSTALLATION, PROVIDE SHOP DRAWING SHOWING THE ROUTING OF ALL CONDUIT, LOCATIONS OF HANDHOLES, AND DETAILS OF TIE-INS TO EXISTING SYSTEM.
10. THE SCOPE OF ELECTRICAL FACILITIES SHOWN HEREON IS DIAGRAMMATIC. NOT ALL COMPONENTS OF EXISTING FACILITIES OR THE NEW CIRCUIT ARE SHOWN. CONTRACTOR SHALL ASSESS AND DOCUMENT EXISTING ELECTRICAL SERVICE AS TO CAPACITY AND OTHER PERTINENT PARAMETERS AS REQUIRED TO ACCOMMODATE THE NEW ELECTRICAL FACILITIES SHOWN HEREON. PROVIDE ALL REQUIRED BREAKERS, CONDUCTORS, GROUNDING, AND OTHER ANCILLARY COMPONENTS TO PROVIDE A NEW, COMPLETE CODE-COMPLIANT CIRCUIT.
11. CONDUIT: RIGID PVC ELECTRICAL CONDUIT, NEMA TC 2 AND UL -651; FITTINGS AND CONDUIT BODIES: PVC TO MATCH CONDUIT, NEMA TC-3. PRIMER/SOLVENT CEMENT: ASTM F656/ASTM D2564; PULL ROPE: 3/8-INCH DOUBLE BRAIDED, LOW STRETCH POLYESTER COMPOSITE ROPE.
12. TRACER WIRE REQUIRED FOR TELECOMMUNICATIONS AND ELECTRIC ONLY. PROVIDE APPROPRIATE WIRE ACCESS POINTS.
13. FOR TELECOMMUNICATIONS AND ELECTRIC, WARNING TAPE SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE UTILITY PROVIDER.
14. SEAL ALL CONDUIT ENDS WITH BLANK DUCT PLUGS. SECURE PULL ROPE TO DUCT PLUG.
15. ALL WORK ASSOCIATED WITH DOMESTIC WATER SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE METROPOLITAN DISTRICT.
16. ALTHOUGH NOT SHOWN ON THE DRAWINGS, PROVIDE FOR THE INSTALLATION OF ALL JOINTS, COUPLINGS, RESTRAINTS, BENDS, ANGLES, AND OTHER APPURTENANCES TO ACHIEVE A COMPLETE, FUNCTIONAL WATER SUPPLY SYSTEM.
16. ALL WORK ASSOCIATED WITH ELECTRICAL SERVICE SHALL CONFORM TO THE STANDARDS OF EVERSOURCE. IF THERE ARE ANY CONFLICTS BETWEEN THE REQUIREMENTS INDICATED HEREON AND EVERSOURCE STANDARDS, EVERSOURCE STANDARDS SHALL PREVAIL.
17. ALL WORK ASSOCIATED WITH TELECOMMUNICATIONS SHALL CONFORM TO THE STANDARDS OF FRONTIER COMMUNICATIONS.

GRADING & DRAINAGE 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. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY AND ALL DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
4. 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.
5. 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, DO NOT PROCEED WITH ANY ADJUSTMENT OR FIELD MODIFICATION UNTIL APPROVED BY THE ENGINEER. ENSURE COMPLIANCE WITH CONNECTICUT BUILDING CODE FOR ALL NEW CONSTRUCTION.
6. ENGAGE A CONNECTICUT-LICENSED LAND SURVEYOR TO PERFORM LAND-SURVEYING SERVICES REQUIRED, INCLUDING, BUT NOT LIMITED TO VERIFICATION AND LAYOUT OF PROPOSED IMPROVEMENTS, DIMENSIONS, AND ELEVATIONS. REPORT DISCREPANCIES TO THE ENGINEER.
7. 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. BLEND RESTORED AREAS INTO ADJACENT UNDISTURBED AREAS.
8. PROPOSED GRADES INDICATE DESIGN INTENT. VERIFY ELEVATIONS AND MAKE ADJUSTMENTS TO MEET FIELD CONDITIONS. DO NOT PROCEED WITH ANY ADJUSTMENT OR FIELD MODIFICATION UNTIL APPROVED BY THE ENGINEER.
9. VERIFY ALL GRADES AND SLOPES PRIOR TO CONCRETE PLACEMENT. REPORT DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
10. COMPLY WITH CONNECTICUT BUILDING CODE FOR ALL SITE CONSTRUCTION, INCLUDING HANDICAPPED ACCESSIBILITY.
11. THE CROSS-SLOPE OF ANY SIDEWALK, WALKWAY, OR OTHER PEDESTRIAN SURFACE SHALL NOT BE STEEPER THAN 1:48 (2%).
12. ACCESSIBLE ROUTES SHALL COMPLY WITH CONNECTICUT BUILDING CODE. THE RUNNING SLOPE OF WALKING SURFACES SHALL NOT BE STEEPER THAN 1:20 (5%). THE CROSS SLOPE OF A WALKING SURFACE SHALL NOT BE STEEPER THAN 1:48 (2%). GRADING CONTOURS AND SPOT GRADES INDICATE DESIGN INTENT. CONFIRM THE GRADE AND SLOPE OF NEW WORK BASED ON ACTUAL FIELD CONDITIONS BEFORE PROCEEDING WITH INSTALLATION. BRING ALL DISCREPANCIES TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING.
13. RAMPS SHALL COMPLY WITH CT BUILDING CODE, REF. 2012 IBC SECTION 1010 AND ICC/ANSI A117.1 2009 CHAPTER 4, SECTION 405 AND 406. GRADING CONTOURS AND SPOT GRADES INDICATE DESIGN INTENT. CONFIRM THE GRADE AND SLOPE OF NEW WORK BASED ON ACTUAL FIELD CONDITIONS BEFORE PROCEEDING WITH INSTALLATION. BRING ALL DISCREPANCIES TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING.
14. DETECTABLE WARNINGS SHALL BE A MINIMUM OF 24-INCHES IN DEPTH. AT CURB RAMPS, DETECTABLE WARNING SHALL EXTEND THE FULL WIDTH OF THE RAMP AND BE INSTALLED 6-INCHES FROM THE CURB LINE AT THE RAMP BASE.
15. GRADE TRANSITION BETWEEN TOPOGRAPHIC LINES AND SPOT GRADES SHALL BE UNIFORM UNLESS OTHERWISE INDICATED.
16. UNLESS OTHERWISE INDICATED, BLEND TRANSITIONS IN ELEVATION BETWEEN NEW WORK AND AREAS TO REMAIN AT A MAXIMUM SLOPE OF 2H:1V AND RESTORE WITH SIX (6) INCHES OF LOAM AND SEED. PROVIDE ADDITIONAL EROSION CONTROLS AS REQUIRED. COORDINATE WITH ENGINEER IF DIMENSIONAL CONSTRAINTS REQUIRE STEEPER SLOPES.
17. ALL DRAINAGE PIPE THAT IS 12 INCHES OR LARGER SHALL BE HIGH DENSITY POLYETHYLENE (HDPE) UNLESS OTHERWISE INDICATED.
18. UPON REACHING PROPOSED SUBGRADE ELEVATIONS WITHIN THE FIELD, ENGINEER WILL REVIEW SUBGRADE PRIOR TO INSTALLATION OF DRAINAGE SYSTEM. SEE SPECIFICATION SECTION 31 2310 - EARTHWORK.
19. ALL CATCH BASINS AND SHALLOW DROP INLETS SET AGAINST CURBS SHALL BE CONNDOT TYPE "C". ALL OTHERS SHALL BE CONNDOT TYPE "C-L".
20. ALL UNDERDRAINS SHALL BE 4-INCH HDPE. SEE SPECIFICATIONS.
21. THE TOPS, RIMS, FRAMES, GRATES, AND COVERS (AS APPLICABLE) OF ALL UTILITY STRUCTURES THAT ARE TO REMAIN SHALL BE ADJUSTED TO MATCH FINAL GRADE IN A FLUSH CONDITION. ALL NEW UTILITY STRUCTURES SHALL BE INSTALLED WITH TOPS, RIMS, FRAMES, GRATES, AND COVERS (AS APPLICABLE) TO FINAL GRADE IN A FLUSH CONDITION.
22. AT THE CONCLUSION OF THE WORK, THE CONTRACTOR SHALL REMOVE ALL ACCUMULATED SEDIMENT MATERIAL FROM ALL PORTIONS OF THE STORM DRAINAGE SYSTEM, INCLUDING NEW WORK AND EXISTING WORK THAT REMAINS OR IS INCORPORATED INTO THE NEW SYSTEM.

Parking Compliance

Overall Municipal campus	
Current parking Available	parking spots
fire dept	12
Town Hall Lot	38
AES lower Parking area	102
AES Upper Parking area	39
total	191
Proposed Parking	
fire dept	12
Town Hall Lot	35
AES lower Parking area	102
AES Upper Parking area	39
total	188

Excluding AES	
Current parking Available	parking spots
fire dept	12
Town Hall Lot	38
total	50
Proposed Parking	
fire dept	12
Town Hall Lot	35
total	47

Zoning 12.8	minimum	maximum
Parking requirements		
Fire Department*	17	17
Town Hall	13	31
Community Center	5	25
AES	54	107
Total combined	89	180
Current excess parking	107	36
proposed parking excess parking	99	8

Zoning 12.8	minimum	maximum
Parking requirements		
Fire Department*	17	17
Town Hall	13	31
Community Center	5	25
Total combined	35	73
Current excess parking	15	-23
proposed excess parking	12	-26

Fire department assumed 1 spot for every 2 members
Town Hall closest category "Professional building"
AES closest category "Private Elementary School"
Community Center closest category "Indoor recreation Facility"
AES has less than 1/2 the students as the design capacity
The does not take into account section 12.8.4 allowing reductions based on timing of usage
12.8.5 The town has De Facto Common Parking and is a common property owner
This plan reduces the current non conformity to the parking regulations

LEGEND

- PROPERTY LINE
- PROPOSED LOT LINE
- CURBING
- CONTOUR: ONE-FOOT INTERVAL
- CONTOUR: FIVE-FOOT INTERVAL
- X— 484.09 - SPOT ELEVATION
- D - STORM DRAINAGE PIPE
- ROOF LEADER COLLECTOR PIPE
- UGE - UNDERGROUND ELECTRIC SERVICE
- SILT FENCE
- SIGN
- SITE LIGHT POLE
- CONCRETE PAVEMENT
- BIT. CONCRETE PAVEMENT
- RAIN GARDEN
- CONSTRUCTION ENTRANCE

STATE OF CONNECTICUT ROBERT S. NEIKIRK No. 20662 LICENSED PROFESSIONAL ENGINEER

ADOVER COMMUNITY CENTER

17 SCHOOL ROAD
IN
ANDOVER
CONNECTICUT

GENERAL NOTES

MAY 18, 2023

REVISIONS:

	06/16/2023	REVISED PER TOWN COMMENTS

PREPARED FOR:
TOWN OF ANDOVER
17 SCHOOL ROAD
ANDOVER, CONNECTICUT

BSC GROUP
655 Winding Brook Drive
Glastonbury, Connecticut 06033
860 652 8227

SCALE: NONE

FILE: 83821.00-TITLE.DWG
DWG. NO: G-1.0
JOB. NO: 83821.00

	EXISTING PARCEL	MERGED PARCEL (EX. CONDITIONS)	MERGED PARCEL (PRO. CONDITIONS)
LOT AREA	0.918± AC	3.865± AC	3.865± AC
IMPERVIOUS AREA	0.591± AC	0.688± AC	0.844± AC
LOT COVERAGE	64.38%	17.80%	21.84%

ACCESS TO LOWER LEVEL

MODULAR BLOCK RETAINING WALL WITH RAILING

CONCRETE SIDEWALK (TYP.)

SIGN "LOADING ZONE – VEHICLES MUST NOT BE LEFT UNATTNEDED"

BIKE RACK

BEGIN CONC. CURBING

CONCRETE SLAB GATHERING SPACE

END CONC. CURBING

3 ACCESSIBLE PARKING SPACES 1HC VAN, 2 HC

BEGIN BIT. CURBING

END BIT. CURBING

EVERGREEN TREE

PROPOSED LOT LINE

4" BITUMINOUS CONCRETE PAVEMENT

PROPOSED LOT LINE

BEGIN BIT. CURBING

FIRE LANE

FIRE LANE

Old TH #3

56 l.f. Conc

2" PE Sanitary

Underdrain Drain
Approximate Design location

Top Tank = 480.3

Conc. Walk

EXISTING BUILDING
Town Offices
FF = 483.55±

EXISTING
Grammar

Bit. Drive

Grass

Bit.

4" SPRUCE

8" CHERRY

6" CHERRY

12" MAPLE

24" REDWOOD

CLP #698

ISSUED FOR PERMITTING

ANDOVER SENIOR CENTER - DECEMBER 9, 2021

ANDOVER COMMUNITY CENTER

17 SCHOOL ROAD

IN

ANDOVER CONNECTICUT

CONCEPTUAL SITE PLAN

MAY 18, 2023

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17 SCHOOL ROAD
ANDOVER, CONNECTICUT

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655 Winding Brook Drive
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860 652 8227

SCALE: 1" = 10'

0 5 10 20 FEET

FILE: 8382100-SITE.DWG

DWG. NO: C-1.0

JOB. NO: 83821.00

MATCHLINE A

ROOF LEADER COLLECTOR PIPE

DMH (DOGHOUSE OVER EXIST.)
TF=475.75
INV.(EX)=471.4±

82 LF 6" TIGHT PIPE
STANDARD PVC, SDR-35 @ 2.0%

RAIN GARDEN
BOT. EL=474.00
(SEE DETAIL)

DMH (DOGHOUSE OVER EXIST.)
TF=475.25 (BEEHIVE GRATE)
INV.(IN)=469.75
INV.(EX)=467.7±

74'-12" HDPE
S=0.010

CB NO. 3
TYPE "C"
T.F.=483.79
INV.=479.92

12'-12" HDPE
S=0.010

CB NO. 2
TYPE "C"
T.F.=483.40
INV.=479.8

20'-12" HDPE
S=0.010

CB NO. 1
TYPE "C"
T.F.=483.3
INV.=480.0

70'-12" HDPE
S=0.010

REPLACE EXISTING STRUCTURE
WITH 6' DIA MANHOLE
T.F.=483.8
INV.(IN)=478.75
MATCH EXISTING INV OUT
(15" INV OUT=476.3±)

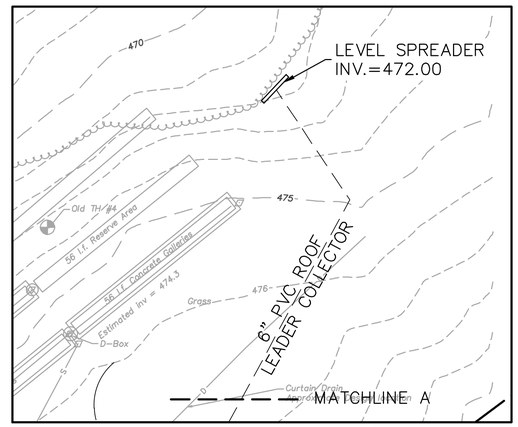
PROPOSED LOT LINE

UTILITY CROSSING
(ADJUST STORM IF REQ'D)

11'-12" HDPE
S=0.023
(HIGH-LEVEL OVERFLOW
FROM CB NO. 4)

ADJUST EXISTING CB
TF=481.75

CB NO. 4
TYPE "C"
T.F.=482.6
INV.(NE)=479.10
INV.(N)=477.00
INV.(NW)=476.74



INSET SCALE: 1" = 20'

ANDOVER
COMMUNITY
CENTER

17 SCHOOL ROAD

IN

ANDOVER
CONNECTICUT

CONCEPTUAL GRADING
AND DRAINAGE

MAY 18, 2023

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ANDOVER, CONNECTICUT

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860 652 8227

SCALE: 1" = 10'

0 5 10 20 FEET

FILE: 8382100-GD.DWG

DWG. NO: C-2.0

JOB. NO: 83821.00

DESIGN CRITERIA & NOTES:

1. PERCOLATION RATE: 5.0 MIN. / INCH
2. MAXIMUM BUILDING CAPACITY: 98 PEOPLE
3. PROPOSED DESIGN FLOW: 98 MEALS * 5 GPD/MEAL = 490 GPD
4. MINIMUM SIZE OF SEPTIC TANK REQUIRED: 1,000 GALLONS
5. LEACHING AREA REQUIRED BY HEALTH CODE: 490 GPD / 0.8 APPLICATION RATE = 612.5 SQ. FT. TOTAL LEACHING AREA = 612.5 SQ. FT + 600 SQ. FT (EXIST.) = 1,212.5 SQ. FT.
6. LEACHING AREA PROVIDED: ONE ROW OF EIGHTEEN INCH (18") PRECAST CONCRETE GALLERIES – 64' IN LENGTH. (6.2 SF PER LF X 64 LF) = 396.8 SF + EXISTING LEACHING AREA (1,042 SF) = 1,438.8 SF. ONE FOOT OF APPROVED AGGREGATE (NO.4 STONE) IS TO BE ADDED TO EACH GALLERY END AS DEPICTED HEREON.
7. MOTTLING: FOUND TO BE 48" IN TP–1.
8. LEDGE: NONE
9. THE MAXIMUM DEPTH INTO EXISTING GROUND (48" – 18") = 38".
10. THE PIPE BETWEEN THE BUILDING AND SEPTIC TANK SHALL BE 4 IN. EXTRA HEAVY CAST IRON, DUCTILE IRON, EXTRA STRENGTH PVC ASTM D 1785 SCHEDULE 40, OR APPROVED EQUAL.
11. ALL DISTRIBUTION PIPE IS TO BE ASTM D3034 SDR35 (4"PVC) OR EQUAL UNLESS NOTED.
12. SEPTIC TANK SHALL BE 1,000 GALLONS MEETING THE CT PUBLIC HEALH CODE TECHINCAL STANDARDS BEING A TWO COMPARTMENT TANK WITH THE FIRST COMPARTMENT CONTAINING TWO THIRDS THE REQUIRED CAPACITY FOR SOLIDS. THE SECOND COMPARTMENT SHALL CONTAIN ONE THIRD THE REQUIRED CAPACITY FOR LIQUIDS. THE TANK SHALL BE SET LEVEL ON A MINIMUM OF 6" OF PROCESSED AGGREGATE OR BROKEN STONE BASE ON COMPACTED SUBGRADE. THE OUTLET TO THE TANK SHALL CONTAIN THE APPROPRIATE TEE BAFFLE AND EFFLUENT FILTER ZABEL A–1800 OR APPROVED EQUAL.
13. THE BOTTOM OF EACH LEACHING GALLERY TRENCH SHALL BE SIX FEET (6') WIDE AND LEVEL THROUGHOUT. THE GALLERY SHALL BE AT LEAST FOUR FEET (4') WIDE WITH AN ADDITIONAL TWELVE INCHES (12") ON EACH SIDE BACKFILLED WITH APPROVED AGGREGATE CONSISTING OF BROKEN STONE, CRUSHED STONE, OR SCREENED GRAVEL MEETING THE DEPARTMENT OF TRANSPORTATION FORM 818 SPECIFICATION M.01.01 FOR NO. 4 STONE.

APPROVED AGGREGATE (NO. 4 STONE)

SIEVE SIZE	PERCENT PASSING (BY WEIGHT)
2–INCH	100%
1.5–INCH	90%–100%
1–INCH	20%–55%
3/4–INCH	0–15%
3/8–INCH	0–5%

14. TOPSOIL IN THE VICINITY OF THE SYSTEM SHALL BE REMOVED PRIOR TO PLACEMENT OF FILL. THE SEPTIC AREA SHALL BE PROTECTED FROM OVERCOMPACTION BY EXCESSIVE TRAVEL FROM RUBBER TIRED MACHINES, STOCKPILE AREAS, ETC.
15. "SELECT FILL MATERIAL" AND "SELECT BACKFILL MATERIAL" PLACED WITHIN AND ADJACENT TO PROPOSED LEACHING AREAS SHALL BE COMPRISED OF CLEAN SAND AND GRAVEL, FREE FROM ORGANIC MATTER AND FOREIGN SUBSTANCES. THE FILL MATERIAL SHALL MEET THE FOLLOWING REQUIREMENTS.

SELECT FILL MATERIAL MUST CONFORM TO THE FOLLOWING CRITERIA:

1. THE FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN (3) INCHES
2. UP TO 45% OF THE DRY WEIGHT OF THE REPRESENTATIVE SAMPLE MAY BE RETAINED ON THE #4 SIEVE (THIS IS THE GRAVEL PORTION OF THE SAMPLE)
3. THE MATERIAL THAT PASSES THE #4 SIEVE IS THEN RE–WEIGHED AND THE SIEVE ANALYSIS STARTED
4. THE REMAINING SAMPLE SHALL MEET THE FOLLOWING GRADATION CRITERIA:

SIEVE SIZE	PERCENT PASSING WET SIEVE	PERCENT PASSING DRY SIEVE
NO. 4	100%	100%
NO. 10	70%–100%	70%–100%
NO. 40	**10%–50%	10%–75%
NO. 100	0–20%	0–5%
NO. 200	0–5%	0–2.5%

NOTE: ** PERCENT PASSING THE #40 SIEVE CAN BE INCREASED TO NO GREATER THAN 75% IF THE PERCENT PASSING THE #100 SIEVE DOES NOT EXCEED 10% AND THE #200 SIEVE DOES NOT EXCEED 5%.

DOCUMENTATION OF TEST RESULTS ARE TO BE PROVIDED TO THE HEALTH DEPARTMENT.

16. AFTER TOPSOIL IS PLACED, THE AREA SHALL BE SEEDED AND MULCHED. APPROPRIATE CONTROL MEASURES SHALL BE IMPLEMENTED DURING AND AFTER CONSTRUCTION TO PREVENT EROSION AND TRANSPORT OF SEDIMENT.
17. AS SHOWN ON THE PLAN, FILL SHALL EXTEND AT LEAST 10' BEYOND THE GALLERY TRENCH BEFORE TAPERING OFF ON THE SLOPE. (5' APPROVED SEPTIC FILL & 5' ORDINARY FILL).
18. THE FINAL GRADE TEN FEET FROM THE GALLERY TRENCHES SHALL BE EQUAL TO OR GREATER THAN THE ELEVATION OF THE TOP OF THE ADJACENT GALLERY TRENCH.
19. THIS SYSTEM HAS NOT BEEN DESIGNED FOR THE USE OF LARGE CAPACITY (+100 GALLONS) DISCHARGE TYPE BATHTUBS. RESIDENTIAL GARBAGE DISPOSALS ARE NOT ANTICIPATED FOR THIS DESIGN. IN THE EVENT THAT SUCH AN INSTALLATION IS CONTEMPLATED FOR THE PROPOSED HOUSE, A LARGER SEPTIC TANK AND INCREASED LEACHING FIELD CAPACITY WILL BE REQUIRED.
20. THERE ARE NO APPARENT WELLS WITHIN 75' OF THE PROPOSED SEPTIC SYSTEM AS SHOWN ON THIS PLAN.
21. THE LOCATION AND ELEVATION OF THE PROPOSED SEPTIC SYSTEM SHALL BE STAKED BY A LICENSED ENGINEER/LAND SURVEYOR. BOTTOM OF EACH TRENCH IS TO BE SET NO GREATER THAN 10" INTO ORIGINAL GRADE AS (MEASURED AT HIGH (UPHILL) SIDE OF TRENCH). REMOVE ALL TOPSOIL BENEATH SYSTEM AND REPLACE WITH SELECT FILL AS REQUIRED.
22. TIGHT PIPE SHALL BE USED WITHIN 25' OF SEPTIC SYSTEM, AND TO REDUCE SEPARATION DISTANCES FOR SWIMMING POOLS, PROPERTY LINE, PRESSURE POTABLE WATER LINE, AND BUILDING SERVED. TIGHT PIPE SHALL BE PVC ASTM D3034, SDR–35. ACCEPTABLE JOINT RUBBER COMPRESSION GASKET OR SOLVENT WELD COUPLINGS/FITTINGS USING PROPER TWO STEP PVC SOLVENT SOLUTION PROCEDURE.
23. THIS DESIGN IS A MODIFICATION TO AN EXISTING SEPTIC SYSTEM. THE CURRENT SYSTEM CONFIGURATION AND CAPACITY IS PROVIDED ON THIS PLAN FOR REFERENCE. THE PROPOSED IMPROVEMENTS TO THE SEPTIC SYSTEM ARE BASED ON THE DESIGN FLOW FROM THE PROPOSED SENIOR CENTER.

EXISTING LEACHING SYSTEM CAPACITY

EXISTING LEACHING SYSTEM = 48"X18" CONCRETE GALLERIES

EFFECTIVE LEACHING AREA (ELA) = 6.2 SF/LF

EXISTING LEACHING SYSTEM LENGTH = 168 FT

EXISTING ELA = 1,042 SF

EXISTING LEACHING SYSTEM DESIGN

APPROVED DESIGN FLOW = 900 GPD
(COMBINED TOWN HALL AND FIRE DEPT.)

FIELD PERC. RATE = 5.0 MIN/IN

APPLICATION RATE = 1.5

MINIMUM REQ'D ELA = 600 SF

THE PROVIDED EFFECTIVE LEACHING AREA EXCEEDS THE MIN. REQUIRED

EXISTING MINIMUM LEACHING SYSTEM SPREAD (MLSS)

HYDRAULIC GRADIENT = 8.1 - 10.0%

RECEIVING SOIL DEPTH = 26.1 - 30.0 INCHES

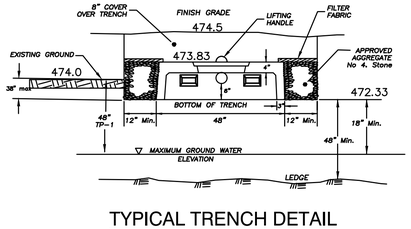
HYDRUALIC FACTOR (HF) = 26

FF = 3.0

PF = 1.0

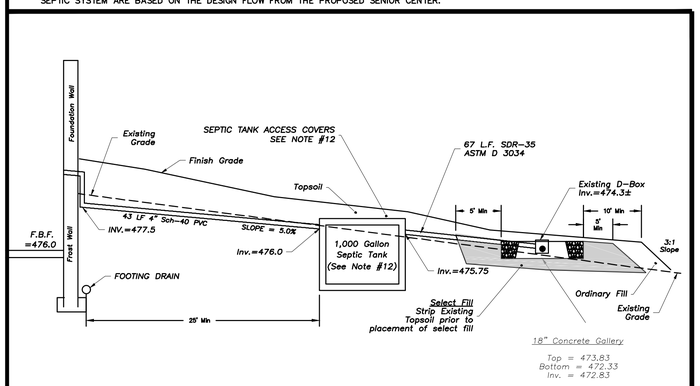
MLSS = 78 FT

THE PROVIDED MLSS EXCEEDS THE MINIMUM REQUIRED



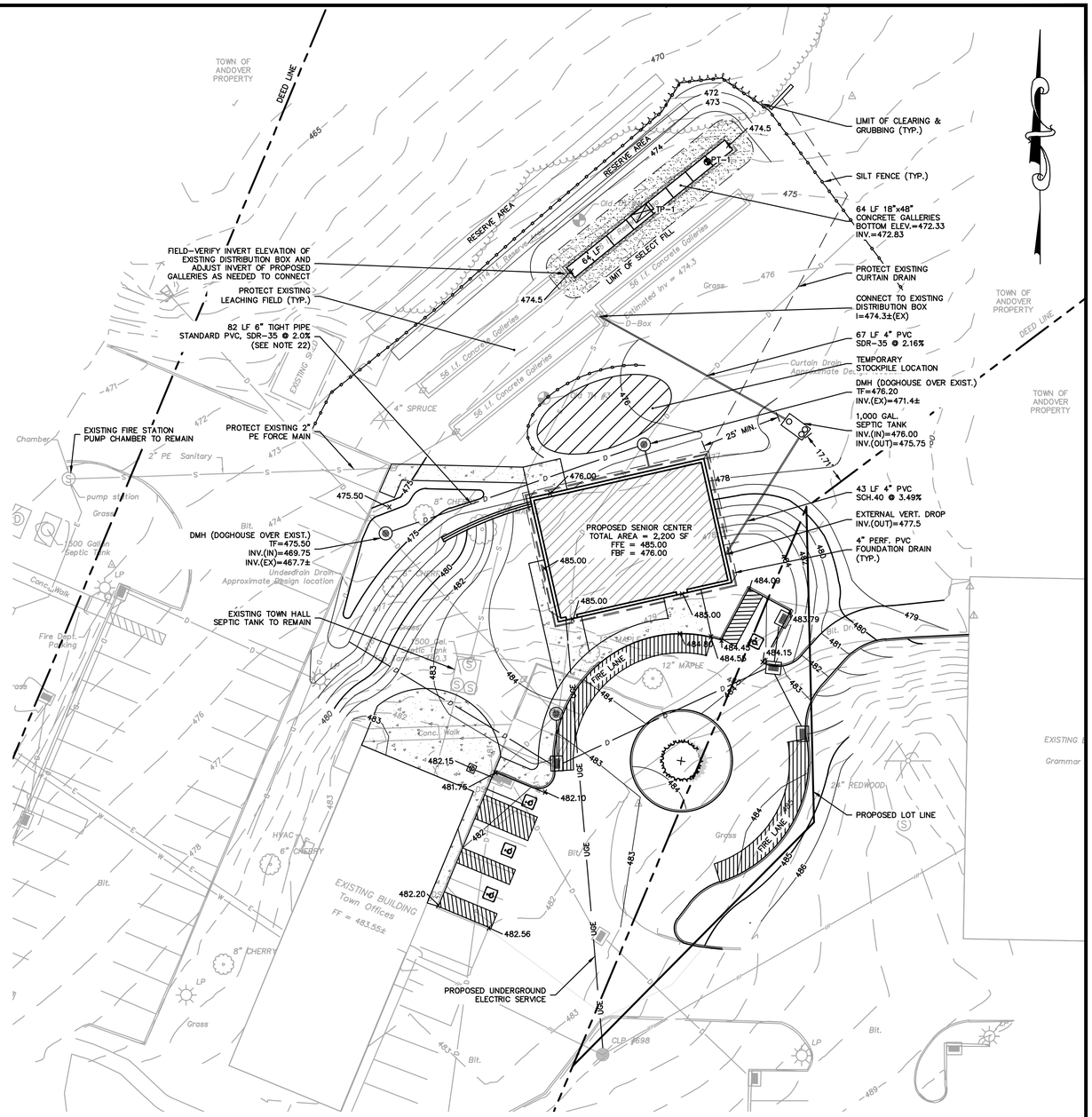
TYPICAL TRENCH DETAIL

TOTAL WIDTH OF TRENCH = 6' MINIMUM
Not to Scale



SEPTIC SYSTEM CROSS-SECTION

Not to Scale



HISTORIC TEST HOLE DATA

Observed by: Public Safety Complex Design Engineer
Date: February 8, 1990

Testhole #3
0–8" Topsoil
8–32" Fine sandy loam
32–84" Moderately compact till

mottling at 28"
restrictive layer at 28"
water at 50"
ledge not observed

Testhole #4
0–12" Topsoil
12–32" Fine sandy loam
32–70" Moderately compact till

mottling at 29"
restrictive layer at 29"
water at 55"
ledge not observed

TEST HOLE DATA

Observed by: BSC Group and Eastern Highlands Health District
Date: March 28, 2023

TP–1
0–10" Topsoil
10–48" Brown Gravelly Sand
48–84" Gray Gravelly Sand with Silt

mottling at 48"
restrictive layer at 48"
water not observed
ledge not observed

PERCOLATION TEST PT–1

Percolation test performed by BSC Group
Date: March 28, 2023

30" below grade
presoak @ 8:40 am
begin test @ 9:23 am

Time	Depth	Rate (min/in)
9:25	14.5"	–
9:28	17.75"	0.92
9:31	19.75"	1.50
9:34	21.5"	1.71
9:37	23"	2.00
9:40	24.5"	2.00
9:45	25.75"	4.00
Refill	14"	–
9:50	18"	1.25
9:55	21.25"	1.54
10:00	23.5"	2.22
10:05	25"	3.33
10:10	26"	5.00
10:18	27.75"	4.57

design rate 5.0 min/in

MINIMUM LEACHING SYSTEM SPREAD

(MLSS)=HFxFFxPF

HYDRAULIC GRADIENT = 8.1–10.0%
RECEIVING SOIL DEPTH = 36.1–42.0"
HYDRAULIC FACTOR (HF) = 20
FLOW FACTOR (FF) = 490/300 = 1.63
PERC FACTOR (PF) = 1.0

(MLSS)=(20 x 1.63 x 1.0) = 32.6 l.f.
Exist. MLSS = 78 l.f. (see above)
Total Req'd MLSS = 32.6 + 78 = 110.6 l.f.
Length Provided = 232 l.f.

CBYD NOTE:

CONTRACTOR REQUIRED TO NOTIFY "CALL–BEFORE–YOU–DIG" 72 HOURS PRIOR TO ANY ON–SITE EXCAVATION OR CONSTRUCTION AT 1–800–922–4455.

GENERAL SITE NOTES:

1. LOCATION OF ALL EXISTING AND PROPOSED SERVICES ARE APPROXIMATE AND MUST BE CONFIRMED INDEPENDENTLY WITH LOCAL UTILITY COMPANIES PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION OR EXCAVATION.
2. ALL UTILITY SERVICE CONNECTION POINTS SHALL BE CONFIRMED INDEPENDENTLY BY THE CONTRACTOR IN THE FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
3. ALL UTILITY LOCATIONS ARE APPROXIMATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE CONDUITS, PRODUCT PIPING, ETC., PRIOR TO COMMENCEMENT OF EXCAVATION OF ANY TYPE. CONTRACTOR TO NOTIFY ENGINEER OF ALL DISCREPANCIES FROM THIS PLAN IDENTIFIED IN THE FIELD.

MAP REFERENCE:

1. PLAN SET FOR PUBLIC SAFETY COMPLEX, DATED MARCH 7, 1990, PREPARED BY ALAN C. WEDIE ARCHITECT, PREPARED FOR TOWN OF ANDOVER. ON FILE WITH THE TOWN OF ANDOVER, PROVIDED TO BSC GROUP FOR REFERENCE.

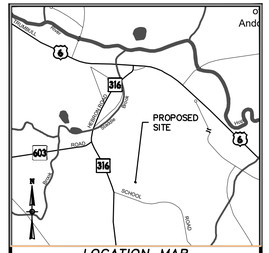
ABBREVIATIONS

N/F	NOW OR FORMERLY
MIN.	MINIMUM
LF	LINEAR FEET
SF	SQUARE FEET
INV	PIPE INVERT
O.F.	OVERFLOW INVERT
BIT	BITUMINOUS PAVEMENT
CONC	CONCRETE
PVMT	PAVEMENT
TYP.	TYPICAL
TW	TOP FOUNDATION WALL
FFE	FINISH FLOOR ELEVATION
FBF	FINISHED BASEMENT FLOOR
FGF	FINISHED GARAGE FLOOR
±	MORE OR LESS

LEGEND

- Lot Corner Existing
- SEPTIC TANK
- PROPOSED WELL
- DEEP SOIL TEST LOCATION
- PERC TEST LOCATION
- x476.1 — PROPOSED SPOT GRADE
- 474.3 x — EXISTING SPOT ELEVATION
- 475 — EXISTING CONTOUR
- 475 — PROPOSED CONTOUR
- PROPOSED SILT FENCE
- CLEARING & GRUBBING

IT IS THE INTENT OF THIS PLAN TO COMPLY WITH THE "CONNECTICUT PUBLIC HEALTH CODE REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS" TECHNICAL STANDARDS REVISED TO JANUARY 1, 2023. THE CONTRACTOR /INSTALLER SHALL COMPLY WITH THE STANDARDS, MATERIALS AND SPECIFICATIONS SET FORTH THEREIN. IN THE EVENT A CONFLICT ARISES BETWEEN THE ABOVE REFERENCED STANDARDS AND THOSE SPECIFIED ON THIS PLAN, THE MORE STRINGENT SHALL APPLY. THE CONTRACTOR SHALL NOTIFY THE PERMITTING JURISDICTION AND THE ENGINEER OF ANY CHANGES, FIELD CONDITIONS AND OR DEFICIENCIES OF THE PLAN WITH RESPECT TO THE PROPOSED SEPTIC SYSTEM.



LOCATION MAP
SCALE 1 IN. = 2000 FT.

STATE OF CONNECTICUT ROBERT S. NEIKIRK No. 20662 LICENSED PROFESSIONAL ENGINEER

SUBSURFACE SEWAGE DISPOSAL SYSTEM DESIGN

17 SCHOOL ROAD

IN

ANDOVER
CONNECTICUT

MAY 18, 2023

REVISIONS:

	06/06/2023	REVISED PER TOWN COMMENTS

PREPARED FOR:

TOWN OF ANDOVER
17 SCHOOL ROAD
ANDOVER, CT 06232

BSC GROUP
655 Winding Brook Drive
Glastonbury, Connecticut 06033
860 652 8227

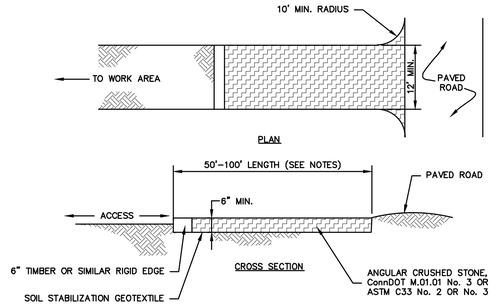
SCALE: 1" = 20'

0 10 20 40 FEET

FILE: 8382100–SEPTIC.DWG

DWG. NO: C-3.0

JOB. NO: 83821.00

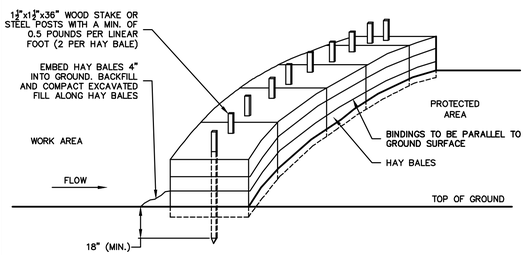


NOTES:

1. REMOVE TOPSOIL AND ORGANICS PRIOR TO CRUSHED STONE PLACEMENT.
2. INSTALL SUB-BASE OF FREE DRAINING BACKFILL OR ROAD STABILIZATION GEOTEXTILE AS NECESSARY ON UNSTABLE SOILS.
3. LENGTH SHALL BE 50 FOOT MINIMUM. WHERE TRACKED SEDIMENTS CONTAIN LESS THAN 80% SAND, LENGTH SHALL BE 100 FOOT MINIMUM.
4. IF THE GRADE OF THE CONSTRUCTION ENTRANCE DRAINS TO THE PAVED SURFACE AND IT EXCEEDS 2% SLOPE, CONSTRUCT ENTRANCE AT LEASE 15 FEET FROM ITS ENTRANCE ONTO THE PAVED SURFACE WHILE DIVERTING RUN-OFF WATER TO A SETTLING OR FILTERING AREA.
5. CONSTRUCT ANY DRAINAGE AND SETTLING FACILITIES REQUIRED TO ACCOMMODATE VEHICLE WASHING OPERATIONS. DIVERT ALL WASH WATER AWAY FROM ENTRANCE TO THE SETTLING AREA.
6. MAINTAIN ENTRANCE IS A CONDITION THAT WILL PREVENT WASHING OF SEDIMENT ONTO PAVED SURFACES.

CONSTRUCTION ENTRANCE

SCALE: NONE
EC-101-CT

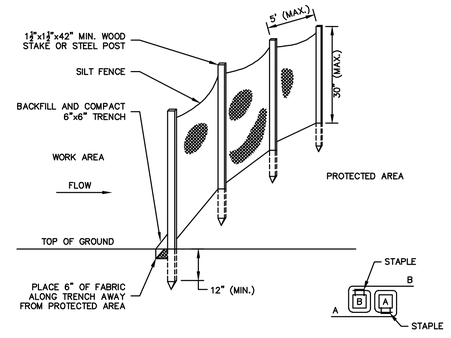


GENERAL NOTES

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

SCALE: NONE
EC-106-CT

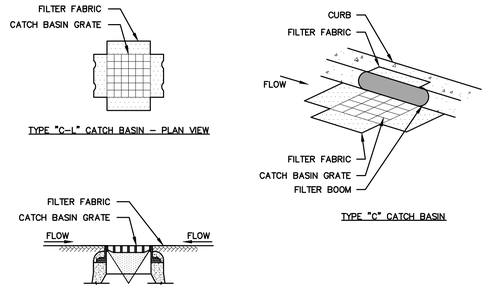


GENERAL NOTES

1. FOR SLOPE & SWALE INSTALLATIONS, EXTEND FENCE OP SLOPE SUCH THAT BOTTOM ENDS OF FENCE WILL BE HIGHER THAN THE TOP OF THE LOWEST PORTION OF FENCE.
2. FOR FENCE INSTALLED ON LEVEL TERRAIN INSTALL WING SECTIONS PERPENDICULAR TO MAIN BARRIER AT 50'-100' INTERVALS.

SILT FENCE BARRIER

SCALE: NONE
EC-107



GENERAL NOTES

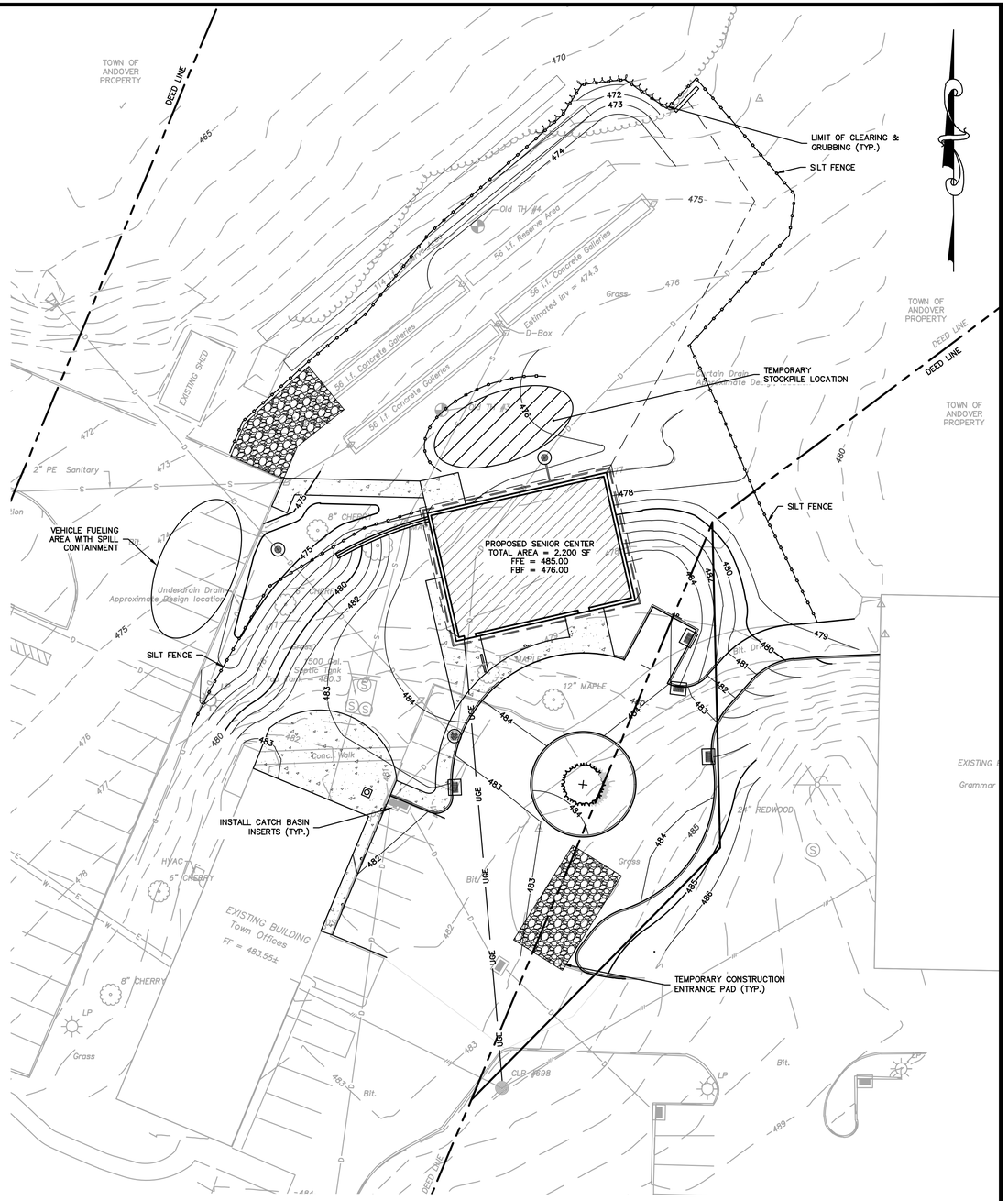
1. PROVIDE INLET PROTECTION TO ALL EXISTING CATCH BASINS IN THE VICINITY OF CONSTRUCTION. PROTECT NEW CATCH BASINS AS THEY ARE CONSTRUCTED.
2. GRATE TO BE PLACED OVER FILTER FABRIC.

CATCH BASIN FILTER INSERT

SCALE: NONE

EROSION & SEDIMENTATION CONTROL NOTES:

1. DO NOT PROCEED WITH THE WORK UNTIL ALL E&S CONTROL MEASURES ARE IN-PLACE AND HAVE BEEN INSPECTED AND APPROVED BY THE ENGINEER.
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. 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 "2002 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. 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.
7. ALL TEMPORARY SLOPES IN EXCESS OF 1:3 SHALL BE STABILIZED WITH EROSION CONTROL MATTING OR APPROVED EQUIVALENT.
8. NO RUNOFF SHALL BE ALLOWED TO ENTER ANY STORMWATER SYSTEM OR EXIT THE SITE PRIOR TO TREATMENT FOR SEDIMENT REMOVAL.
9. 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.
10. 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.
11. FOR DUST CONTROL, PERIODICALLY MOISTEN EXPOSED SOIL SURFACES WITH WATER AND MAINTAIN ADEQUATE MOISTURE LEVELS.
12. SWEEP ADJACENT ROADWAYS AND PARKING LOTS IF MUD OR SOIL IS TRACKED ON TO THEM, OR AS DIRECTED BY THE ENGINEER. SHOULD THE CONSTRUCTION ENTRANCE FAIL TO PREVENT THE TRACKING OF SOILS OR SEDIMENT OFF OF THE PROJECT SITE, A WASHING RACK SHALL BE INSTALLED ALONG WITH APPROPRIATE MEASURES TO COLLECT RESULTING WASTEWATER.
13. DRAINAGE STRUCTURE FILTER INSERTS SHALL BE INSTALLED IN ALL EXISTING AND NEWLY CONSTRUCTED STRUCTURES WITHIN THE CONSTRUCTION LIMITS AND CLEANED/CHANGED PER THE MANUFACTURER'S RECOMMENDATIONS. UNITS SHALL BE INSTALLED COMPLETELY AROUND INLETS OF EXISTING AND PROPOSED DRAINAGE STRUCTURES SUCH THAT NO RUNOFF IS ALLOWED TO ENTER DRAINAGE SYSTEMS WITHOUT FILTERING THROUGH THE DEVICE.



SUGGESTED CONSTRUCTION SEQUENCE:

1. CONDUCT A PRE-CONSTRUCTION MEETING WITH THE OWNER AND ENGINEER PRIOR TO ANY CONSTRUCTION ACTIVITY.
2. INSTALL CONSTRUCTION ENTRANCE(S) AND PLACE FILTER INSERTS IN EXISTING CATCH BASINS.
3. INSTALL PERIMETER E&S CONTROLS AND REQUEST PRE-CONSTRUCTION INSPECTION FROM THE ENGINEER.
4. FOLLOWING THE ENGINEER'S APPROVAL OF INSTALLED E&S CONTROLS, COMMENCE CONSTRUCTION OPERATIONS.
5. AT THE CONCLUSION OF CONSTRUCTION, COMPLETE THE INSTALLATION OF POST-CONSTRUCTION SITE STABILIZATION MEASURES AS SHOWN ON THE DRAWINGS.

NOTE: THE CONTRACTOR MAY MODIFY THE SUGGESTED CONSTRUCTION SEQUENCE INDICATED ABOVE, PROVIDED A REVISED SEQUENCE IS SUBMITTED FOR REVIEW AND APPROVED BY THE OWNER AND ENGINEER.

TEMPORARY E&S MEASURES MAINTENANCE SCHEDULE

E&S MEASURE	MAINTENANCE MEASURES	SCHEDULE
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
TARP TEMPORARY STOCKPILES	ENSURE TARP IS SECURED OVER STOCKPILE AT THE END OF EACH DAY	DAILY
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

ANDOVER COMMUNITY CENTER

17 SCHOOL ROAD
IN
ANDOVER
CONNECTICUT

EROSION AND SEDIMENTATION CONTROL PLAN

MAY 18, 2023

REVISIONS:

	06/16/2023	REVISED PER TOWN COMMENTS

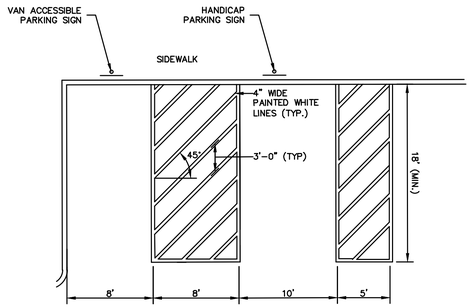
PREPARED FOR:
TOWN OF ANDOVER
17 SCHOOL ROAD
ANDOVER, CONNECTICUT

BSC GROUP
655 Winding Brook Drive
Glastonbury, Connecticut 06033
860 652 8227

SCALE: 1" = 20'
0 10 20 40 FEET

FILE: 8382100-ES.DWG
DWG. NO:
JOB. NO: 83821.00

C-4.0



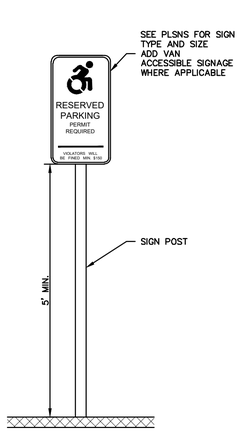
NOTES:

1. GRADING WITHIN HANDICAP SPACES SHALL BE 2% MAX. IN ALL DIRECTIONS
2. DETAIL PROVIDED FOR STRIPIING ORIENTATION. PLEASE SEE SHEET C-5.0 FOR SPACE LAYOUT

ACCESSIBLE PARKING SPACES

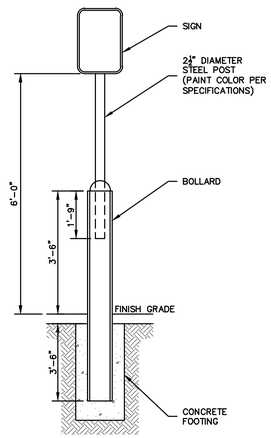
SCALE: NONE

HC-111-CT

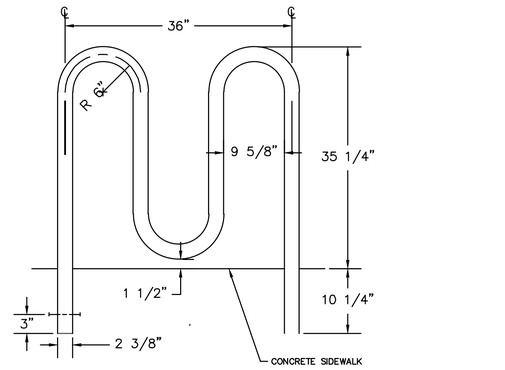


ACCESSIBLE PARKING SIGN

SCALE: NONE



BOLLARD MOUNTED SIGN

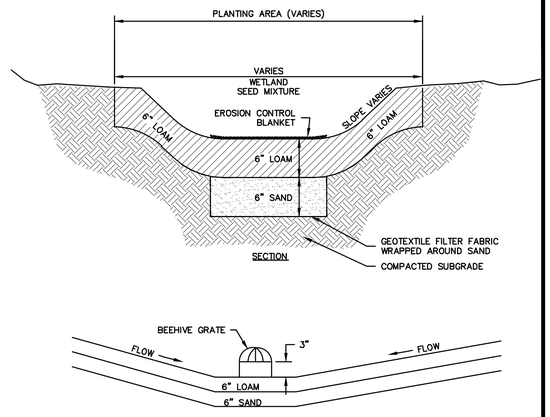


NOTES

1. CONTRACTOR TO INSTALL BIKE RACK PER MANUFACTURER'S INSTRUCTIONS.
2. PROVIDE SHOP DRAWINGS FOR APPROVAL.
3. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL MOUNTING HARDWARE.
4. SEE SPECIFICATION FOR MAKE AND MODEL.

BIKE RACK

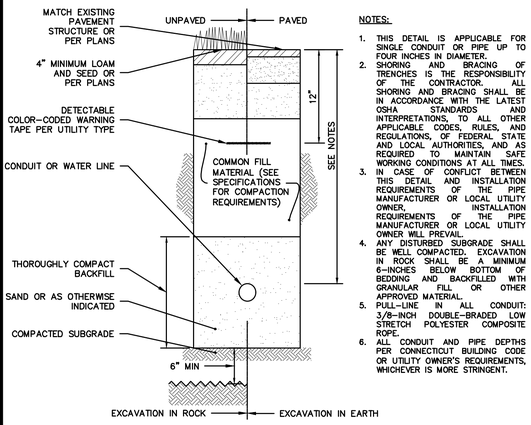
SCALE: NONE



BIOFILTRATION SWALE

SCALE: NONE

SM-101-CT

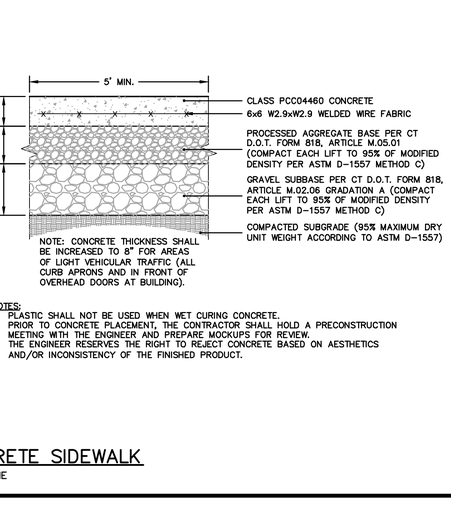


NOTES:

1. THIS DETAIL IS APPLICABLE FOR SINGLE CONDUIT OR PIPE UP TO FOUR INCHES IN DIAMETER.
2. SHORING AND BRACING OF TRENCHES IS THE RESPONSIBILITY OF THE CONTRACTOR. ALL SHORING AND BRACING SHALL BE IN ACCORDANCE WITH THE LATEST OSHA STANDARDS AND INTERPRETATIONS, TO ALL OTHER APPLICABLE CODES, RULES, AND REGULATIONS, OF FEDERAL STATE AND LOCAL AUTHORITIES, AND AS REQUIRED TO MAINTAIN SAFE WORKING CONDITIONS AT ALL TIMES.
3. IN CASE OF CONFLICT BETWEEN THIS DETAIL AND INSTALLATION REQUIREMENTS OF THE PIPE MANUFACTURER OR LOCAL UTILITY OWNER, INSTALLATION REQUIREMENTS OF THE PIPE MANUFACTURER OR LOCAL UTILITY OWNER WILL PREVAIL.
4. ANY DISTURBED SUBGRADE SHALL BE WELL COMPACTED. EXCAVATION IN ROCK SHALL BE A MINIMUM 6-INCHES BELOW BOTTOM OF BEDDING AND BACKFILLED WITH GRANULAR FILL OR OTHER APPROVED MATERIAL.
5. PULL-LINE IN ALL CONDUIT: 3/8-INCH DOUBLE-BRADED LOW STRETCH POLYESTER COMPOSITE ROPE.
6. ALL CONDUIT AND PIPE DEPTHS PER CONNECTICUT BUILDING CODE OR UTILITY OWNER'S REQUIREMENTS, WHICHEVER IS MORE STRINGENT.

CONDUIT OR WATER SERVICE TRENCH

SCALE: NONE



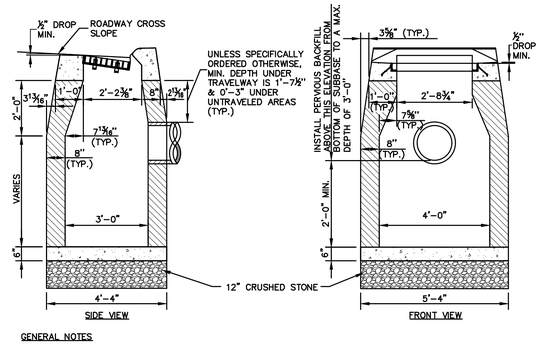
GENERAL NOTES

1. 5' OR 6' DIA. PRECAST BASES MAY BE USED WHEN REQUIRED DUE TO SIZE OR NUMBER OF PIPES AT THE MANHOLE. PRECAST REDUCERS WILL BE PLACED ABOVE THE 5' OR 6' BASES AS DIRECTED BY THE ENGINEER. WALL THICKNESS TO INCREASE 1" FOR EACH 1' OF INSIDE DIAMETER INCREASE.
2. FRAME DIAMETER OF 3'-3" WITH 4" FLANGE MUST BE USED WHEN THE TOP DIA. OF THE PRECAST CONE IS LESS THAN 3'-6". ALL OTHER FRAME DIMENSIONS ARE TO REMAIN THE SAME.
3. MINIMUM CONCRETE COMPRESSIVE STRENGTH OF F'c = 4000 PSI SHALL BE OBTAINED PRIOR TO SHIPPING.

STORM DRAINAGE MANHOLE

SCALE: NONE

STM-109-CT



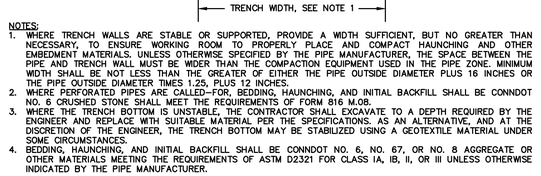
GENERAL NOTES

1. FRAME AND GRATE SHALL BE CONSTRUCTED PER SPECIFICATIONS.
2. ALL FACES OF STRUCTURES IN CONTACT WITH PAVEMENT SHALL BE COVERED WITH TAR PAPER OR APPROVED EQUAL.
3. TO CONVEY SUBSURFACE DRAINAGE, OPENINGS SHALL BE FORMED IN THE FOUR WALLS AT OR IMMEDIATELY ABOVE THE BOTTOM OF PERVIOUS BACKFILL.
4. WALL THICKNESS OF ALL CB'S OVER 10' DEEP SHALL BE INCREASED TO 12" THICK. INSIDE DIMENSION SHALL REMAIN THE SAME. (12" THICKNESS WILL START AFTER THE FIRST 10').
5. USE APPROPRIATE CONCRETE TOP FOR CURBING SHOWN ON PLANS, OR AS DIRECTED BY THE ENGINEER.
6. MINIMUM CONCRETE COMPRESSIVE STRENGTH OF F'c = 4000 PSI SHALL BE OBTAINED PRIOR TO SHIPPING.

TYPE "C" CATCH BASIN

SCALE: NONE

STM-101-CT

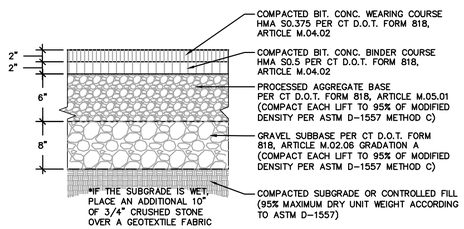


NOTES:

1. WHERE TRENCH WALLS ARE STABLE OR SUPPORTED, PROVIDE A WIDTH SUFFICIENT, BUT NO GREATER THAN NECESSARY, TO ENSURE WORKING ROOM TO PROPERLY PLACE AND COMPACT HAUNCHING AND OTHER EMBEDMENT MATERIALS. UNLESS OTHERWISE SPECIFIED BY THE PIPE MANUFACTURER, THE SPACE BETWEEN THE PIPE AND TRENCH WALL MUST BE WIDER THAN THE COMPACTION EQUIPMENT USED IN THE PIPE ZONE. MINIMUM WIDTH SHALL BE NOT LESS THAN THE GREATER OF EITHER THE PIPE OUTSIDE DIAMETER PLUS 16 INCHES OR THE PIPE OUTSIDE DIAMETER TIMES 1.25, PLUS 12 INCHES.
2. WHERE PERFORATED PIPES ARE CALLED-FOR, BEDDING, HAUNCHING, AND INITIAL BACKFILL SHALL BE CONNDOT NO. 6 CRUSHED STONE SHALL MEET THE REQUIREMENTS OF FORM 816 M.08.
3. WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL PER THE SPECIFICATIONS, AS AN ALTERNATIVE, AND AT THE DISCRETION OF THE ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL UNDER SOME CIRCUMSTANCES.
4. BEDDING, HAUNCHING, AND INITIAL BACKFILL SHALL BE CONNDOT NO. 6, NO. 67, OR NO. 8 AGGREGATE OR OTHER MATERIALS MEETING THE REQUIREMENTS OF ASTM D2321 FOR CLASS 1A, IB, II, OR III UNLESS OTHERWISE INDICATED BY THE PIPE MANUFACTURER.

TYPICAL TRENCH SECTION – THERMOPLASTIC DRAINAGE PIPE

SCALE: NONE



TYPICAL ASPHALT PAVING

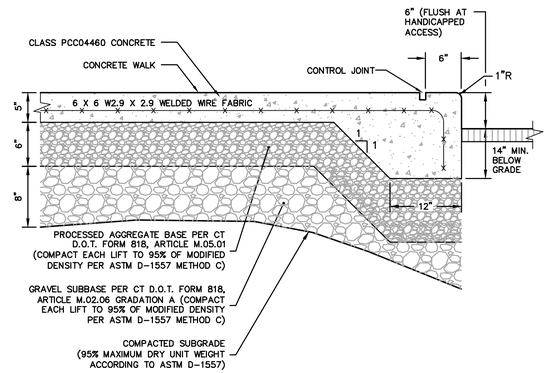
SCALE: NONE

NOTES:

1. PLASTIC SHALL NOT BE USED WHEN WET CURING CONCRETE.
2. PRIOR TO CONCRETE PLACEMENT, THE CONTRACTOR SHALL HOLD A PRECONSTRUCTION MEETING WITH THE ENGINEER AND PREPARE MOCKUPS FOR REVIEW.
3. THE ENGINEER RESERVES THE RIGHT TO REJECT CONCRETE BASED ON AESTHETICS AND/OR INCONSISTENCY OF THE FINISHED PRODUCT.

CONCRETE SIDEWALK

SCALE: NONE

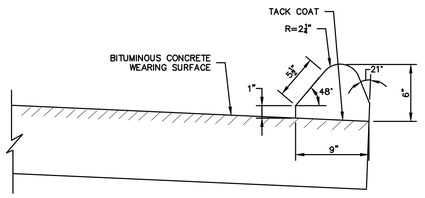


NOTES:

1. CURB LENGTHS SHALL CORRESPOND TO THE CONCRETE SIDEWALK TILE LENGTH, IF APPLICABLE. ½" EXPANSION JOINTS SHALL SEPARATE CURB SECTIONS.
2. ALL SIDEWALK WITHIN THE CITY ROW SHALL CONFORM TO TOWN OF NEWINGTON STANDARDS.
3. PLASTIC SHALL NOT BE USED WHEN WET CURING CONCRETE.
4. PRIOR TO CONCRETE PLACEMENT, THE CONTRACTOR SHALL HOLD A PRECONSTRUCTION MEETING WITH THE ENGINEER AND PREPARE MOCKUPS FOR REVIEW.
5. THE ENGINEER RESERVES THE RIGHT TO REJECT CONCRETE BASED ON AESTHETICS AND/OR INCONSISTENCY OF THE FINISHED PRODUCT.

INTEGRAL CONCRETE CURB AND SIDEWALK

SCALE: NONE



6" BITUMINOUS CONCRETE LIP CURBING

SCALE: NONE

CRB-103-CT

ANDOVER COMMUNITY CENTER

17 SCHOOL ROAD

IN

ANDOVER

CONNECTICUT

SITE DETAILS

MAY 18, 2023

REVISIONS:

	06/16/2023	REVISED PER TOWN COMMENTS

PREPARED FOR:

TOWN OF ANDOVER

17 SCHOOL ROAD

ANDOVER, CONNECTICUT

BSC GROUP

655 Winding Brook Drive

Glastonbury, Connecticut 06033

860 652 8227

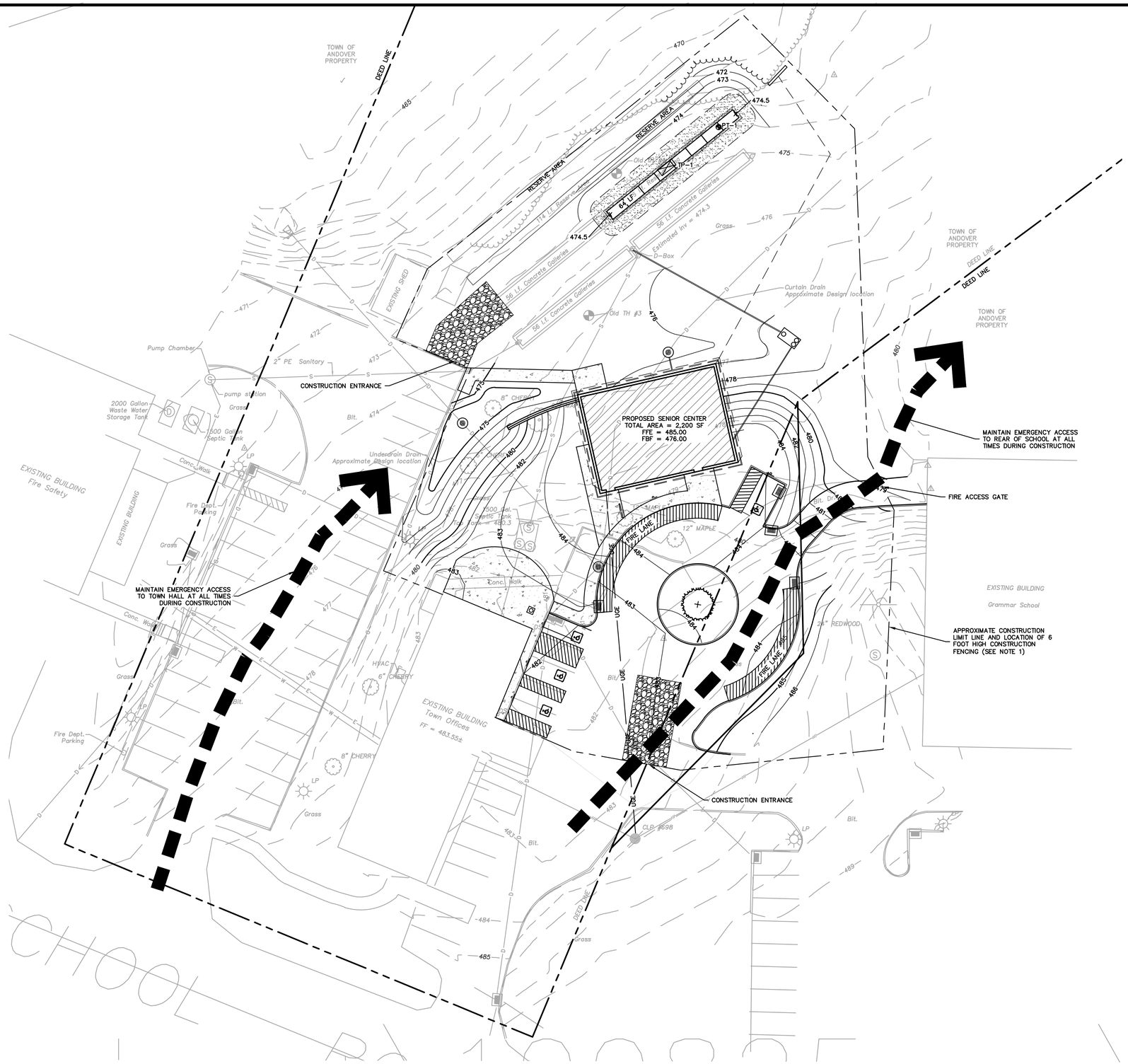
SCALE: AS SHOWN

FILE: 8382100-DET.DWG

DWG. NO:

JOB. NO: 83821.00

C-5.0



SITE LOGISTIC NOTES:

1. CONTRACTOR SHALL PREPARE FULL SITE LOGISTICS PLAN FOR APPROVAL BY THE LOCAL FIRE MARSHAL PRIOR TO START OF CONSTRUCTION. PLAN SHALL INCLUDE LOCATION OF CONSTRUCTION FENCING AND GATES, EMERGENCY ACCESS AND EGRESS, AND SIGNAGE.
2. THE MUNICIPAL FACILITES (FIRE STATION, TOWN HALL, SCHOOL) WILL BE OCCUPIED AND IN USE DURING THE COURSE OF THE WORK. PROVIDE SAFETY BARRIERS, INCLUDING BUT NOT LIMITED TO, FENCING, BARRICADES, AND SIGNAGE AS REQUIRED TO PREVENT UNAUTHORIZED ENTRY TO THE WORK AREA AT ALL TIMES.
3. ALL CONSTRUCTION FENCING AND WARNING SIGNS SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION.

STATE OF CONNECTICUT ROBERT S. NEIKIRK No. 20662 LICENSED PROFESSIONAL ENGINEER

ANDOVER COMMUNITY CENTER

17 SCHOOL ROAD

IN

ANDOVER
CONNECTICUT

PRELIMINARY SITE LOGISTICS PLAN

MAY 18, 2023

REVISIONS:

	06/16/2023	REVISED PER TOWN COMMENTS

PREPARED FOR:
TOWN OF ANDOVER
17 SCHOOL ROAD
ANDOVER, CONNECTICUT

BSC GROUP
655 Winding Brook Drive
Glastonbury, Connecticut 06033
860 652 8227

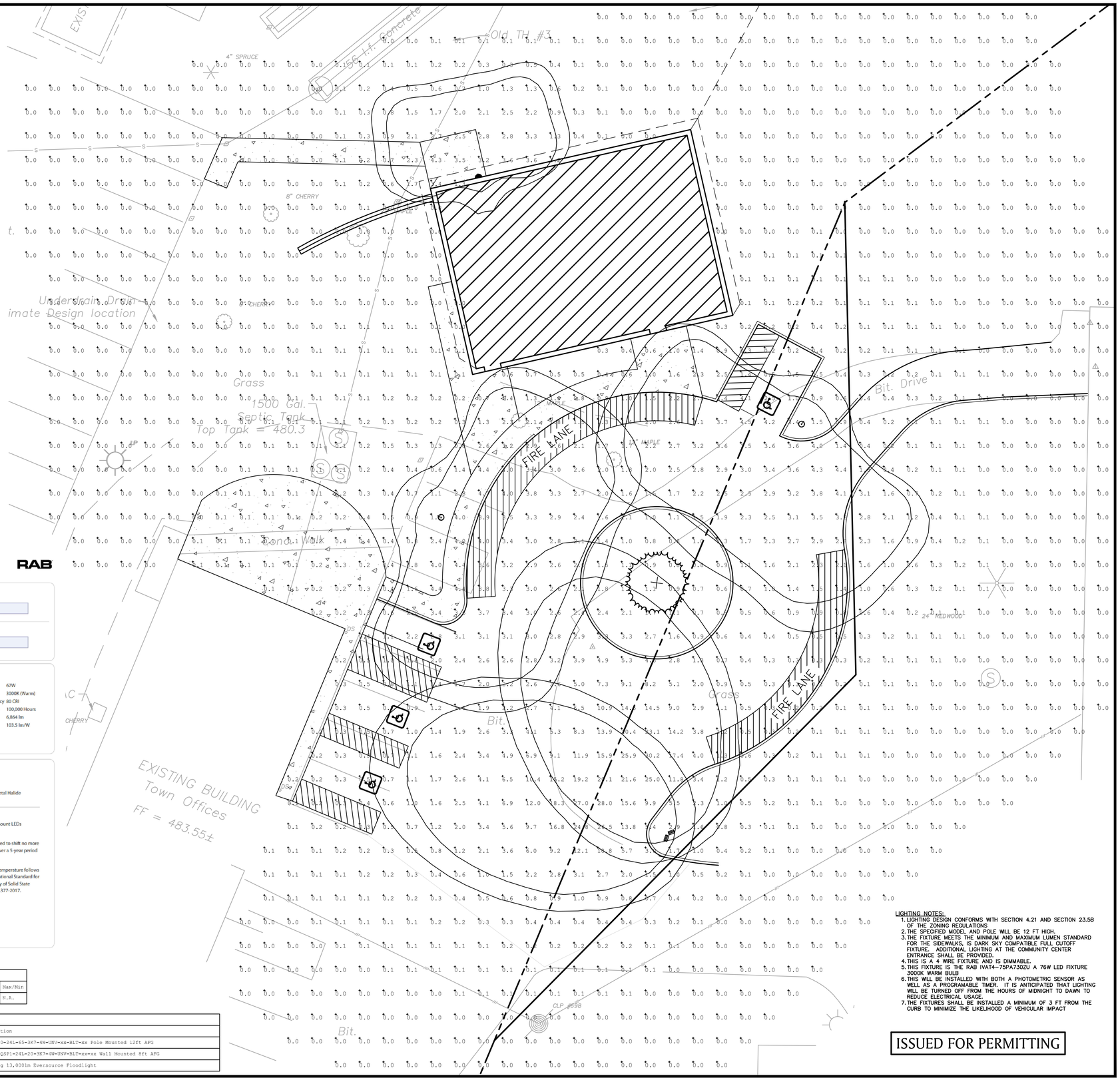
SCALE: 1" = 20'

0 10 20 40 FEET

FILE: 8382100-LOGISTICS.DWG

DWG. NO: C-6.0

JOB. NO: 83821.00



N

Project: Andover Town Hall	
Contact: David Mainville Specification Sales (860) 942-4357 dmainville@illuminatene.com	Detail: Photometric Calculation
	Date: 06/16/23
	Revision:----
	Scale: 3/32"=1'-0"
	Drawn By: DM
illuminate 263 Winn Street Burlington, MA 01803 (781) 935-8500 — 333 Pleasant Valley Road South Windsor, CT 06074 (860) 282-0597	Drawing Number: SL-1 Sheet 1 of 1

IVAT4-75LPA730ZU RAB

Low profile, low glare. Edge-lit technology unlike any other.

Color: Bronze Weight: 18.8 lbs

Project:	Type:
Prepared By:	Date:

Driver Info		LED Info	
Type	Constant Current	Watts	67W
120V	0.58A	Color Temp	3000K (Warm)
208V	0.34A	Color Accuracy	80 CRI
240V	0.29A	L70 Lifespan	100,000 Hours
277V	0.25A	Lumens	6,864 lm
Input Watts	66.3W	Efficacy	103.5 lm/W

Technical Specifications

Compliance

UL Listed:
Suitable for wet locations

IESNA LM-79 & LM-80 Testing:
RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80

Title 24 Compliant:
An IVELOT edge-lit area light can be used with a motion sensor or photocell control option to comply with 2016 Title 24 Part 6 Section 130.2 (a,b,v)

IP Rating:
Ingress protection rating of IP66 for dust and water

DLC Listed:
This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.
DLC Product Code: 5-25XO8C

Electrical

Driver:
Class 2, 50/60Hz, 120-277V, 4kV standard, 10kV optional

Dimming Driver:
Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

THD:
12.89% at 120V, 14.23% at 277V

Power Factor:
98.8% at 120V, 93.2% at 277V

Performance

Lifespan:
100,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations at 25°C

Wattage Equivalency:
Equivalent to 150W Pulse Start Metal Halide

LED Characteristics

LEDs:
Long-life, high-efficacy, surface-mount LEDs

Color Stability:
LED color temperature is warrantied to shift no more than 200K in color temperature over a 5-year period

Color Uniformity:
RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
CalcPts_1	Illuminance	Fc	0.93	10.2	0.0	N.A.	N.A.

Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description
	2	SL-4W	SINGLE	N.A.	0.900	KIM UR20-24L-65-3K7-4W-UNV-xx-BLT-xx Pole Mounted 12ft AFG
	1	WM	SINGLE	N.A.	0.900	Beacon QSP1-24L-20-3K7-4W-UNV-BLT-xx-xx Wall Mounted 8ft AFG
	2	EX	SINGLE	N.A.	0.900	Existing 13,000lm Eversource Floodlight

LIGHTING NOTES:
1. LIGHTING DESIGN CONFORMS WITH SECTION 4.21 AND SECTION 23.5B OF THE ZONING REGULATIONS.
2. THE SPECIFIED MODEL AND POLE WILL BE 12 FT HIGH.
3. THE FIXTURE MEETS THE MINIMUM AND MAXIMUM LUMEN STANDARD FOR THE SIDEWALKS, IS DARK SKY COMPATIBLE FULL CUTOFF FIXTURE. ADDITIONAL LIGHTING AT THE COMMUNITY CENTER ENTRANCE SHALL BE PROVIDED.
4. THIS IS A 4 WIRE FIXTURE AND IS DIMMABLE.
5. THIS FIXTURE IS THE RAB IVAT4-75PA730ZU A 76W LED FIXTURE 3000K WARM BULB
6. THIS WILL BE INSTALLED WITH BOTH A PHOTOMETRIC SENSOR AS WELL AS A PROGRAMABLE TIMER. IT IS ANTICIPATED THAT LIGHTING WILL BE TURNED OFF FROM THE HOURS OF MIDNIGHT TO DAWN TO REDUCE ELECTRICAL USAGE.
7. THE FIXTURES SHALL BE INSTALLED A MINIMUM OF 3 FT FROM THE CURB TO MINIMIZE THE LIKELIHOOD OF VEHICULAR IMPACT

ISSUED FOR PERMITTING

ANDOVER SENIOR CENTER - DECEMBER 9, 2021

ANDOVER COMMUNITY CENTER

17 SCHOOL ROAD

IN

ANDOVER
CONNECTICUT

SITE LIGHTING PLAN

MAY 18, 2023

REVISIONS:

	06/16/2023	REVISED PER TOWN COMMENTS

PREPARED FOR:
TOWN OF ANDOVER
17 SCHOOL ROAD
ANDOVER, CONNECTICUT

BSC GROUP
655 Winding Brook Drive
Glastonbury, Connecticut 06033
860 652 8227

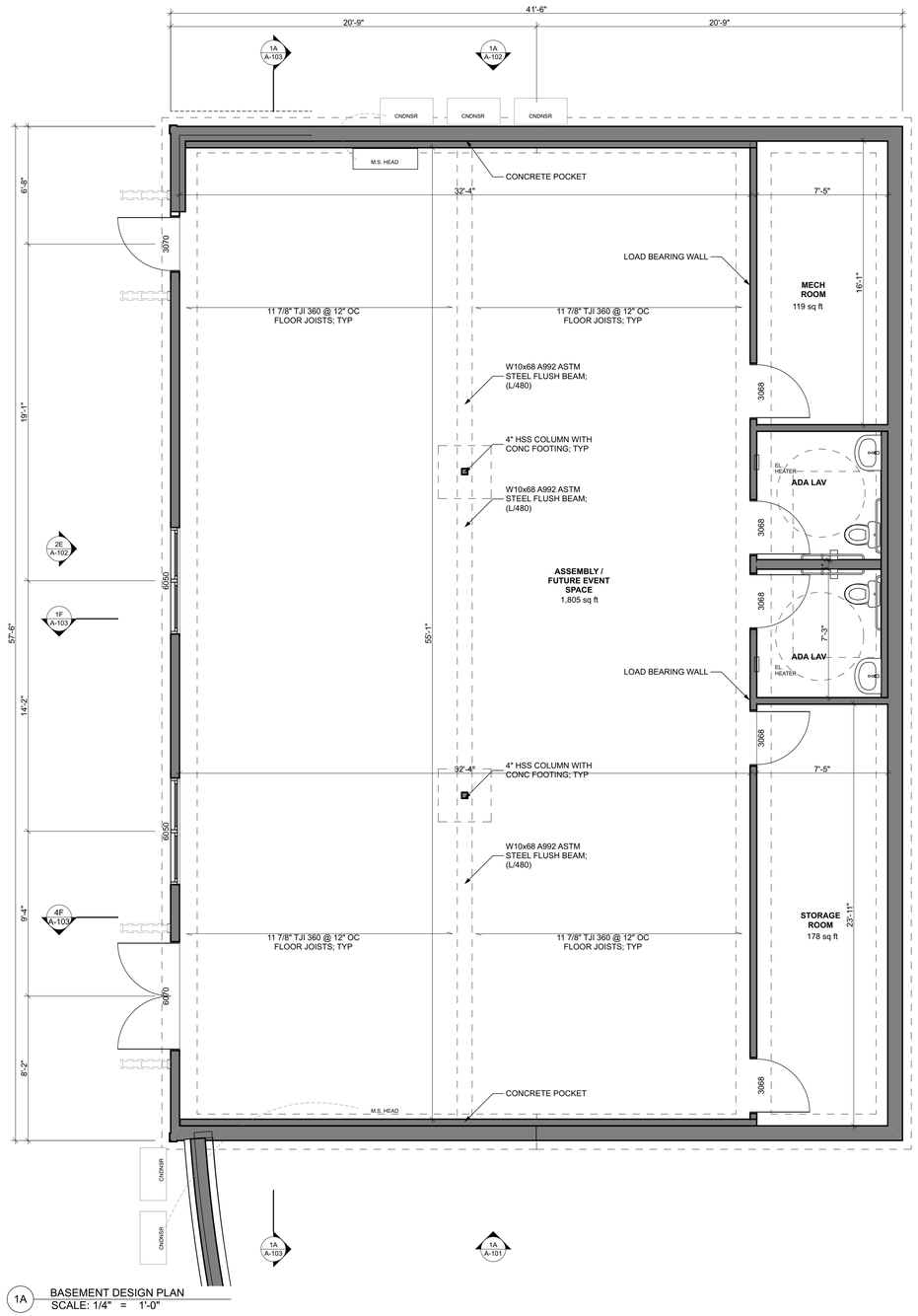
SCALE: 1" = 10'

0 5 10 20 FEET

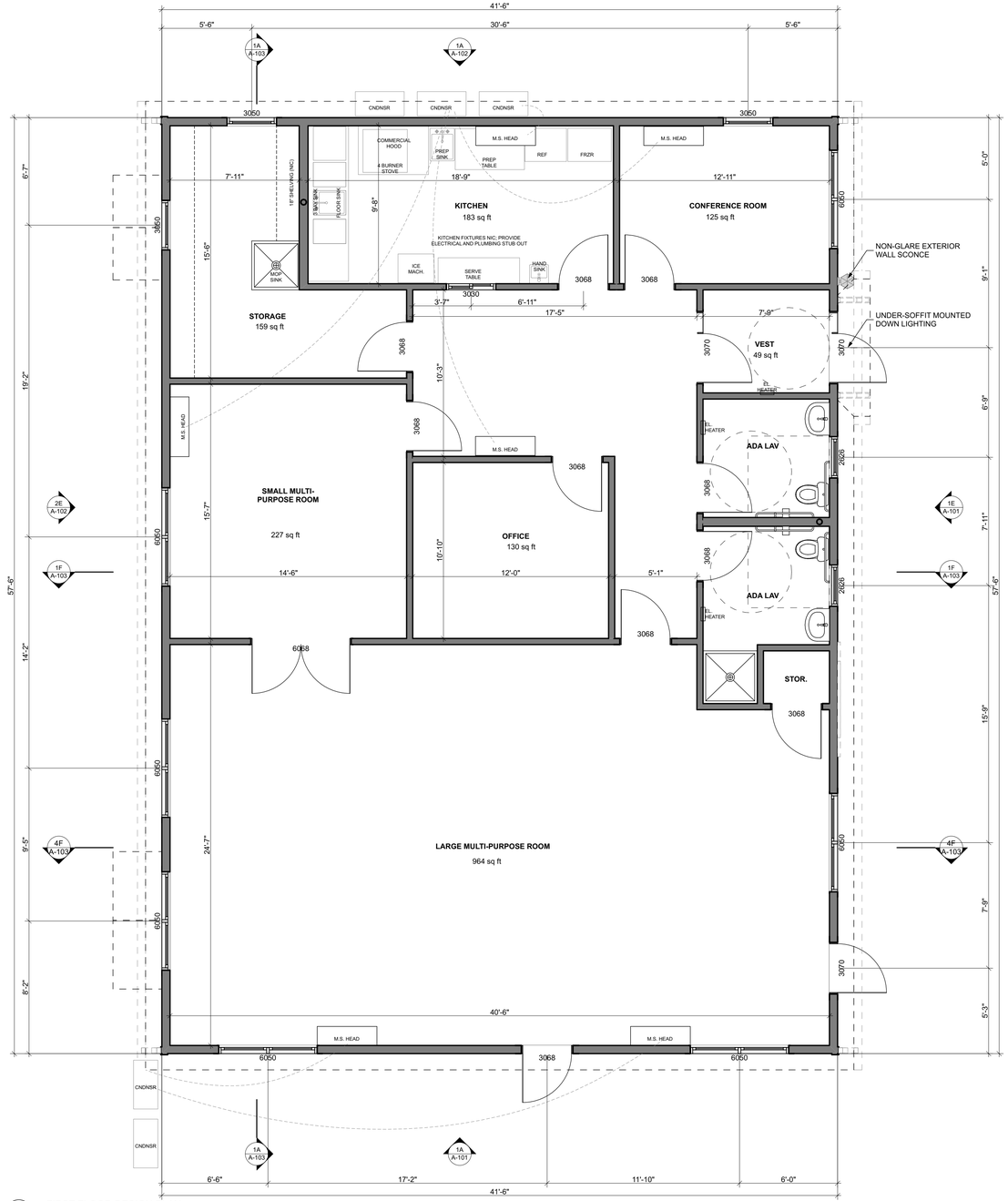
FILE: 8382100–LIGHTING.DWG

DWG. NO: C-7.0

JOB. NO: 83821.00



1A BASEMENT DESIGN PLAN
SCALE: 1/4" = 1'-0"



5A FIRST FLOOR DESIGN PLAN
SCALE: 1/4" = 1'-0"

PEGARCH
ARCHITECTURE & DESIGN SERVICES
236 MAIN ST PORTLAND, CT 06480
860.740.5123
PEGARCH.COM
LEADINGEDGE CONSTRUCTION

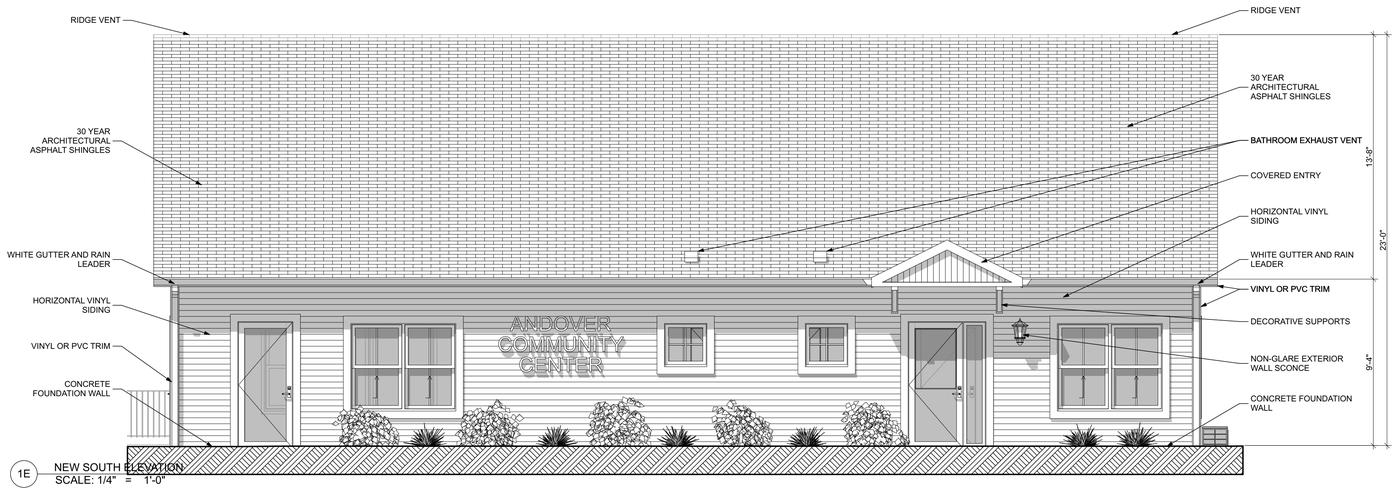
New Construction
Andover Community Center
17 School Road
Andover, CT 06232

FOR PLANNING AND ZONING APPROVAL ONLY

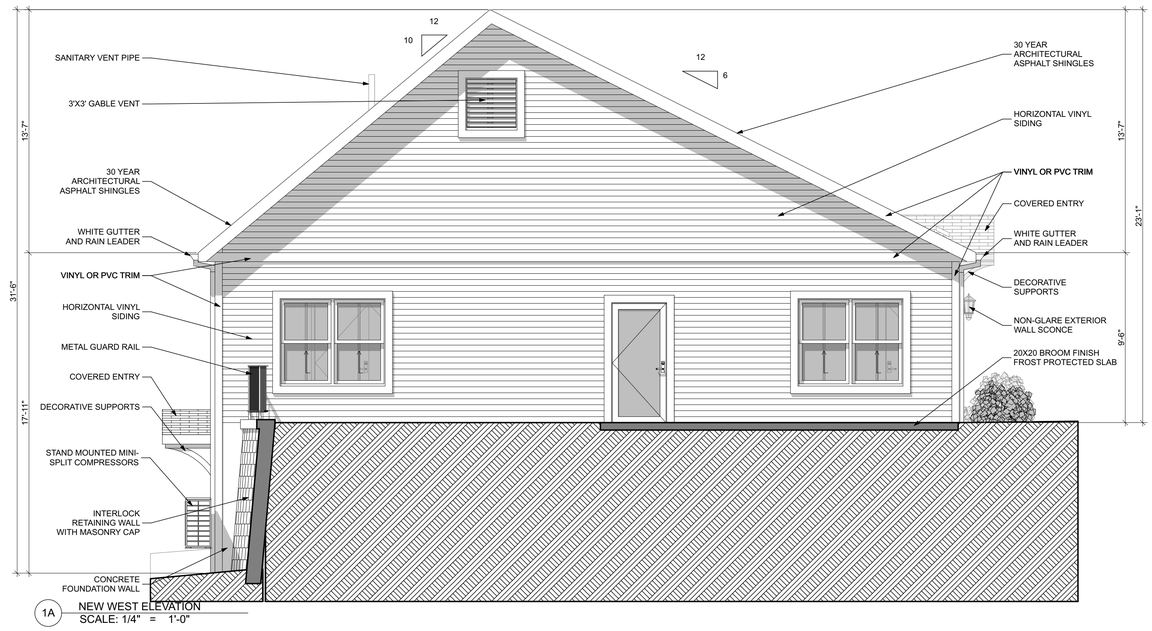
SHEET NAME
PLANNING AND ZONING ARCHITECTURAL DRAWINGS

SHEET ID
A-100

Tuesday, May 16, 2023



1E NEW SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



1A NEW WEST ELEVATION
SCALE: 1/4" = 1'-0"

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New Construction
Andover Community Center
17 School Road
Andover, CT 06232

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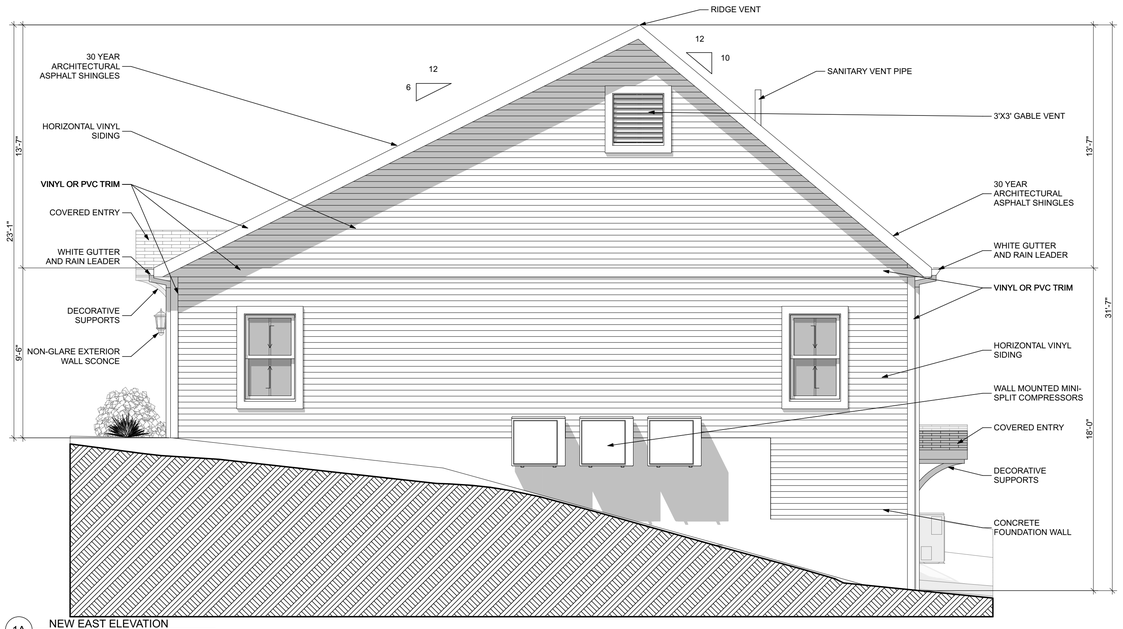
SHEET NAME
PLANNING AND ZONING ARCHITECTURAL DRAWINGS

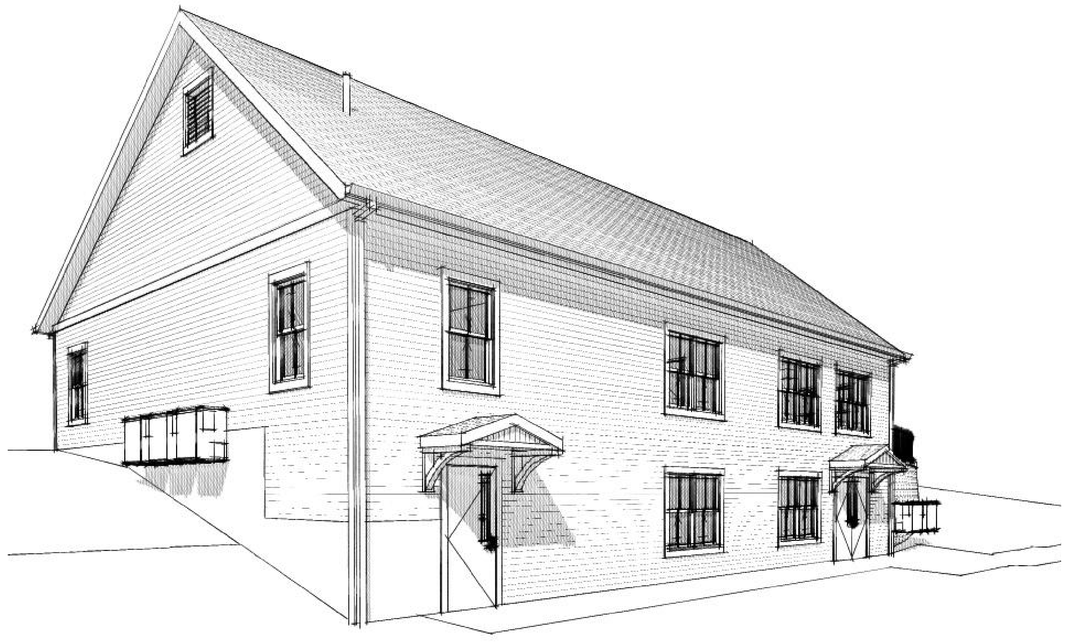
SHEET ID
A-101

Tuesday, May 16, 2023

2E NEW NORTH ELEVATION
SCALE: 1/4" = 1'-0"



1A NEW EAST ELEVATION
SCALE: 1/4" = 1'-0"



Tuesday, May 16, 2023

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LEADINGEDGE CONSTRUCTION

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Andover Community Center
17 School Road
Andover, CT 06232

FOR PLANNING AND ZONING APPROVAL ONLY

SHEET NAME
PLANNING AND ZONING ARCHITECTURAL DRAWINGS

SHEET ID
A-102