

NORFOLK FIRE DEPARTMENT

20 SHEPARD ROAD
NORFOLK, CT

SUBMITTED FOR: INLAND WETLAND PERMIT
JULY 28, 2023

OWNER

Prepared For Owner



CONSULTANTS

Prepared By:

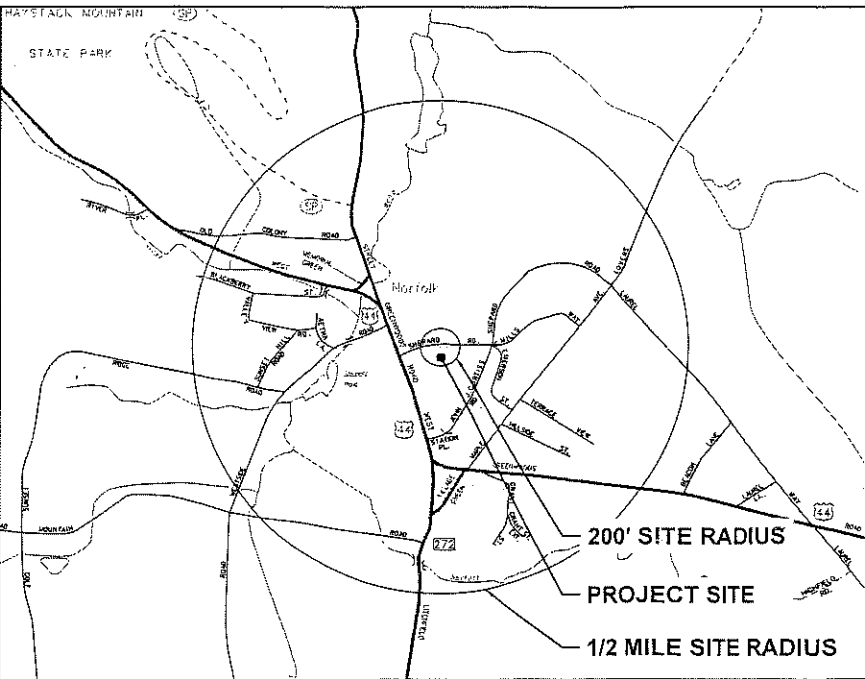


Silver, Petrucelli & Associates, Inc.
3190 Whitney Avenue | Hamden CT 06518
One Post Hill Place | New London CT 06320

LIST OF DRAWINGS

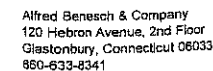
-----	TITLE SHEET
SV01	BOUNDARY - TOPOGRAPHIC SURVEY
C-1.0	DEMOLITION & SITE PREPARATION PLAN
C-1.1	EROSION CONTROL NOTES & DETAILS
C-2.0	SITE PLAN
C-3.0	SITE GRADING & UTILITIES PLAN
C-4.0	LANDSCAPE PLAN
C-4.1	PLANTING DETAILS
C-5.0	SITE DETAILS
C-5.1	SITE DETAILS
C-5.2	SITE DETAILS
C-5.3	SITE DETAILS

HALF MILE VICINITY MAP



SCALE: 1" = 1000'





Prepared for

NORFOLK FIRE DEPARTMENT

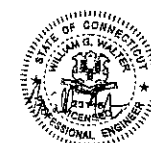
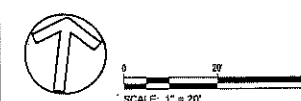
TOWN OF NORFOLK

NORFOLK, CT

20 SHEPARD ROAD

[illegible]

KEY PLAIN



PROJECT NO.: 70724.00
SCALE: 1"=20'
DATE: 7/28/202

DRAWN BY: ENB
CHECKED BY: WGN

**DEMOLITION & SITE
PREPARATION
PLAN**

DRAWING: 100

SITE PREPARATION NOTES:

1. CONTRACTOR SHALL NOTIFY TOLL 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 CURBS, 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.

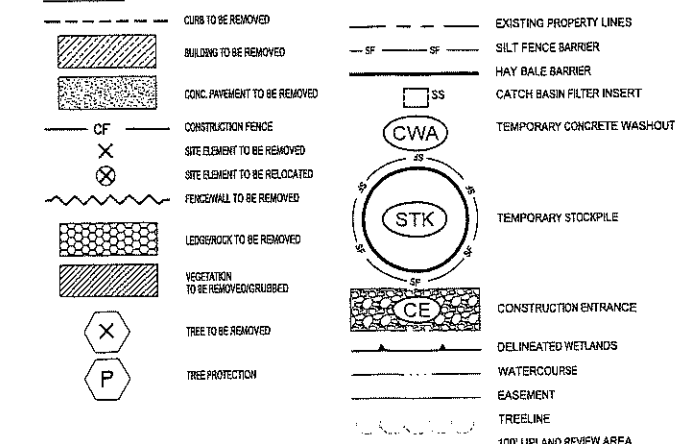
SUGGESTED CONSTRUCTION SEQUENCE:

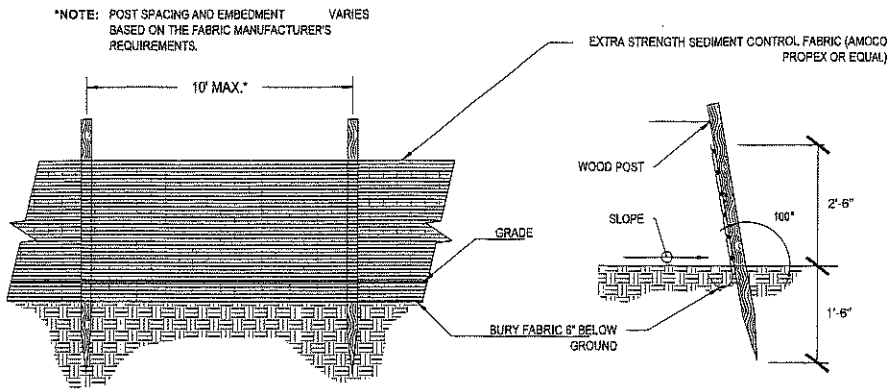
1. CONDUCT A PRE-CONSTRUCTION MEETING WITH THE OWNER AND ENGINEER PRIOR TO ANY CONSTRUCTION ACTIVITY.
2. INSTALL CONSTRUCTION ENTRANCE(S) AND PLACE CATCH BASIN FILTER INSERTS IN EXISTING CATCH BASINS.
3. INSTALL PERIMETER EAS CONTROLS AND REQUEST PRE-CONSTRUCTION INSPECTION FROM THE ENGINEER.
4. STRIP TOPSOIL AND IMPERVIOUS SURFACES AND PLACE EROSION CONTROLS AS NECESSARY.
5. PERFORM DEMOLITION AND BULK EARTHWORK OPERATIONS.
6. BEGIN CONSTRUCTION OF FOUNDATIONS.
7. CONSTRUCT UTILITIES AND STORM DRAINAGE.
8. BOX OUT PARKING LOT WITH IMPORTED BASE MATERIALS.
9. CONSTRUCT BOTTOM COURSE OF BITUMINOUS PAVEMENT.
10. CONSTRUCT LANDSCAPING AND OTHER SITE AMENITIES.
11. CONSTRUCT CURBING AND TOP COURSE OF BITUMINOUS PAVEMENT.
12. AT THE CONCLUSION OF CONSTRUCTION, COMPLETE THE INSTALLATION OF POST-CONSTRUCTION SITE STABILIZATION MEASURES AS SHOWN ON THE DRAWINGS.

TEMPORARY E+S MEASURES MAINTENANCE SCHEDULE

<u>E&S MEASURE</u>	<u>MAINTENANCE MEASURES</u>	<u>SCHEDULE</u>
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

LEGEND

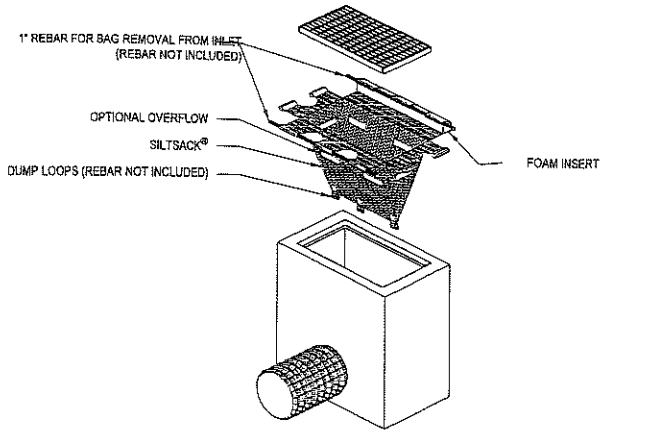




ELEVATION

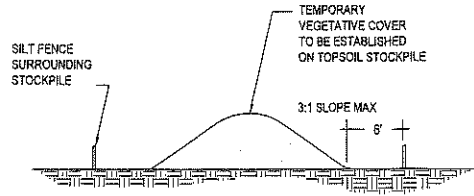
SECTION

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

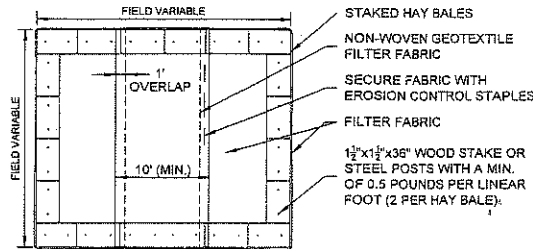


'SILTSACK' SEDIMENT CONTROL DEVICE, TERRAFIX GEOSYNTHETICS INC. TORONTO, ONTARIO, CA
WWW.TERRAFIXGEO.COM

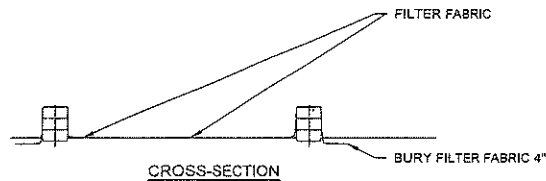
SILT SACK DETAIL (SS)
N.T.S.



TEMPORARY STOCKPILE (STK)
N.T.S.



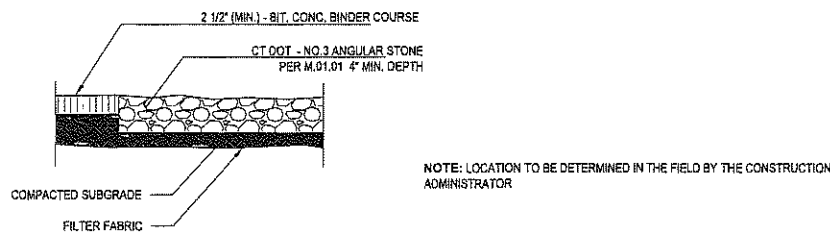
PLAN VIEW



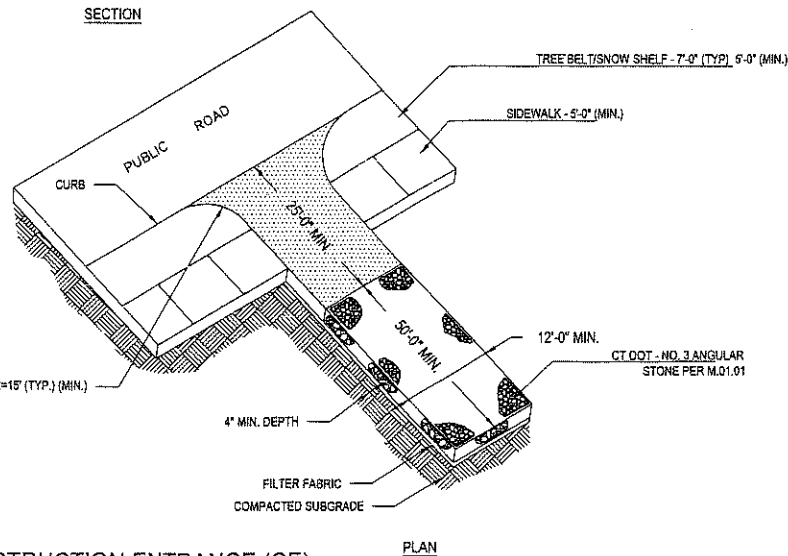
NOTES:

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.

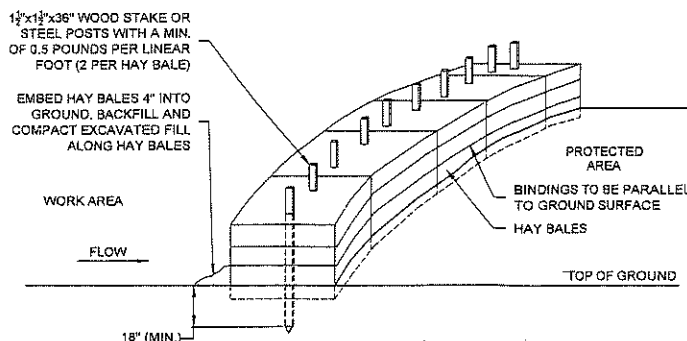
TEMPORARY CONCRETE WASHOUT AREA (CWA)
N.T.S.



SECTION



CONSTRUCTION ENTRANCE (CE)



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)

EROSION AND SEDIMENTATION CONTROL NARRATIVE:

DESCRIPTION - THE PROJECT CONSISTS OF REDEVELOPING THE EXISTING PROPERTY LOCATED AT 20 SHEPARD ROAD IN NORFOLK, CONNECTICUT. THE PROPOSED DEVELOPMENT INCLUDES THE CONSTRUCTION OF A NEW FIRE HOUSE STRUCTURE, NEW DETACHED THREE-BAY GARAGE STRUCTURE, NEW BITUMINOUS PAVEMENT AND CONCRETE SIDEWALKS, PERVIOUS PAVEMENT UNITS, UPDATED LANDSCAPING AND TURF ESTABLISHMENT, ACCESS AND SEPARATED PARKING FOR CITY MEADOW BOARDWALK, ADA ACCESSIBILITY, NEW UNDERGROUND DETENTION CHAMBERS AND ASSOCIATED DRAINAGE AND UTILITY APPURTENANCES. THE GENERAL PURPOSE OF THIS PROJECT IS NOT ONLY TO UPDATE THE FIRE HOUSE AND THE ASSOCIATED PROPERTY, BUT ALSO TO SEPARATE ACCESS AND ENSURE PEDESTRIAN SAFETY OF ANYONE USING THE PUBLIC CITY MEADOW BOARDWALK.

DESIGN AND CRITERIA - PER STATE OF CONNECTICUT ALL WORK ASSOCIATED WITH EROSION CONTROL SHALL BE PERFORMED PER THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL AS AMENDED.

- 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 2002 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 1/2 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.)

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-LOADED RUNOFF THROUGH IMPLEMENTATION OF CONVENTIONAL SOIL SEDIMENTATION AND EROSION CONTROL PRACTICES CURRENTLY RECOMMENDED BY THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.

- A. EARTHWORK** WILL BE SCHEDULED FOR PERIODS WHEN SOIL SATURATION IS LOW AND SOIL LOSS HAZARD IS AT A MINIMUM.
- B. SUSPEND EARTHWORK** FOR MAJOR STORM EVENTS AND IMPLEMENT ADDITIONAL SEDIMENTATION AND EROSION CONTROL MEASURES AS NECESSARY.
- C. 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.
- D. THE DISCHARGE OF UNTREATED STORMWATER** TO ANY ADJACENT ROADWAYS, DRAINAGE INLETS, OR PROPERTIES IS NOT ALLOWED.

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 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 3 (HORIZONTAL) TO 1 (VERTICAL) 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 IF MUD OR SOIL IS TRACKED ON TO THEM, OR AS DIRECTED BY THE ENGINEER.
13. AN ANTI-TRACKING APRON SHALL BE INSTALLED AT THE SITE ACCESS AS SHOWN ON THE PLAN AND SHALL BE MAINTAINED AT ALL TIMES.

Prepared for:

NORFOLK FIRE DEPARTMENT

TOWN OF NORFOLK

NORFOLK, CT

20 SHEPARD ROAD

DATE:	REVISION:

KEY PLAN



PROJECT NO.: 70724.00
SCALE: AS NOTED
DATE: 7/28/2023

DRAWN BY: ENR
CHECKED BY: YGW

**EROSION CONTROL
NOTES & DETAILS**

Prepared for:



NORFOLK FIRE DEPARTMENT

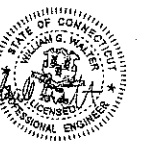
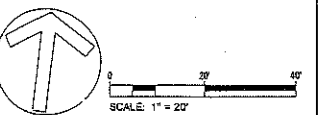
TOWN OF NORFOLK

NORFOLK, CT

20 SHEPARD ROAD

DATE	REVISION

KEY PLAN



PROJECT NO.: 70724.00
SCALE: 1"=20'
DATE: 7/28/2023

DRAWN BY: ENB
CHECKED BY: WGW

SITE PLAN

DRAWING NO.:

LEGEND

---	PROPERTY LINE
---	SETBACK LINE
①	BITUMINOUS CONCRETE
②	CONCRETE PAVEMENT
③	PERVIOUS PAVERS
④	BOARDWALK
⑤	TURF ESTABLISHMENT
⑥	PROPOSED BUILDING
→	PAINTED TRAFFIC ARROWS
⑫	PARKING SPACE QUANTITY
⑧	HANDICAP RAMP TYPE B
⑨	HANDICAP RAMP TYPE C
---	DELINEATED WETLANDS
---	WATERCOURSE
---	EASEMENT
---	TREELINE
---	100' UPLAND REVIEW AREA

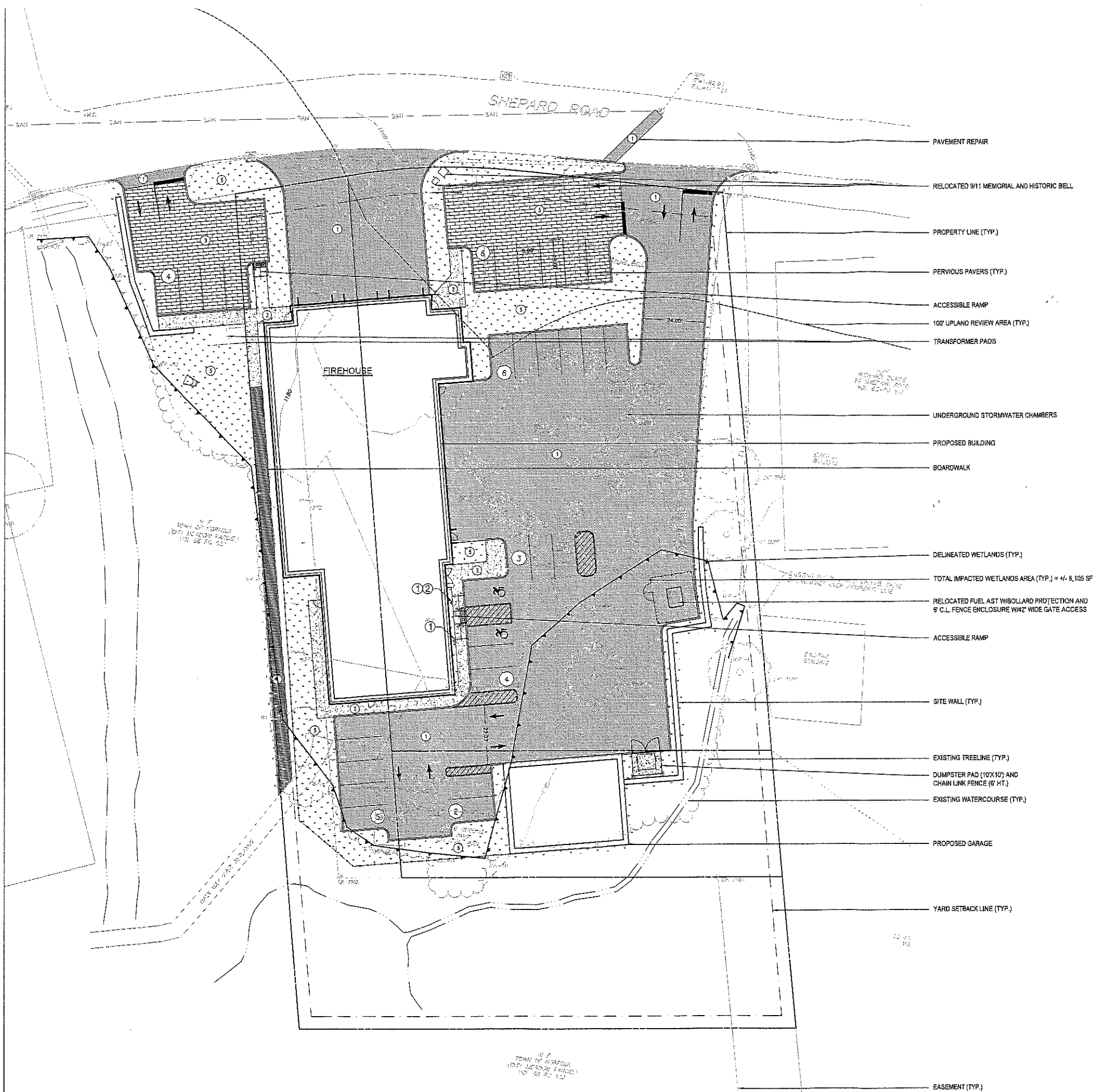
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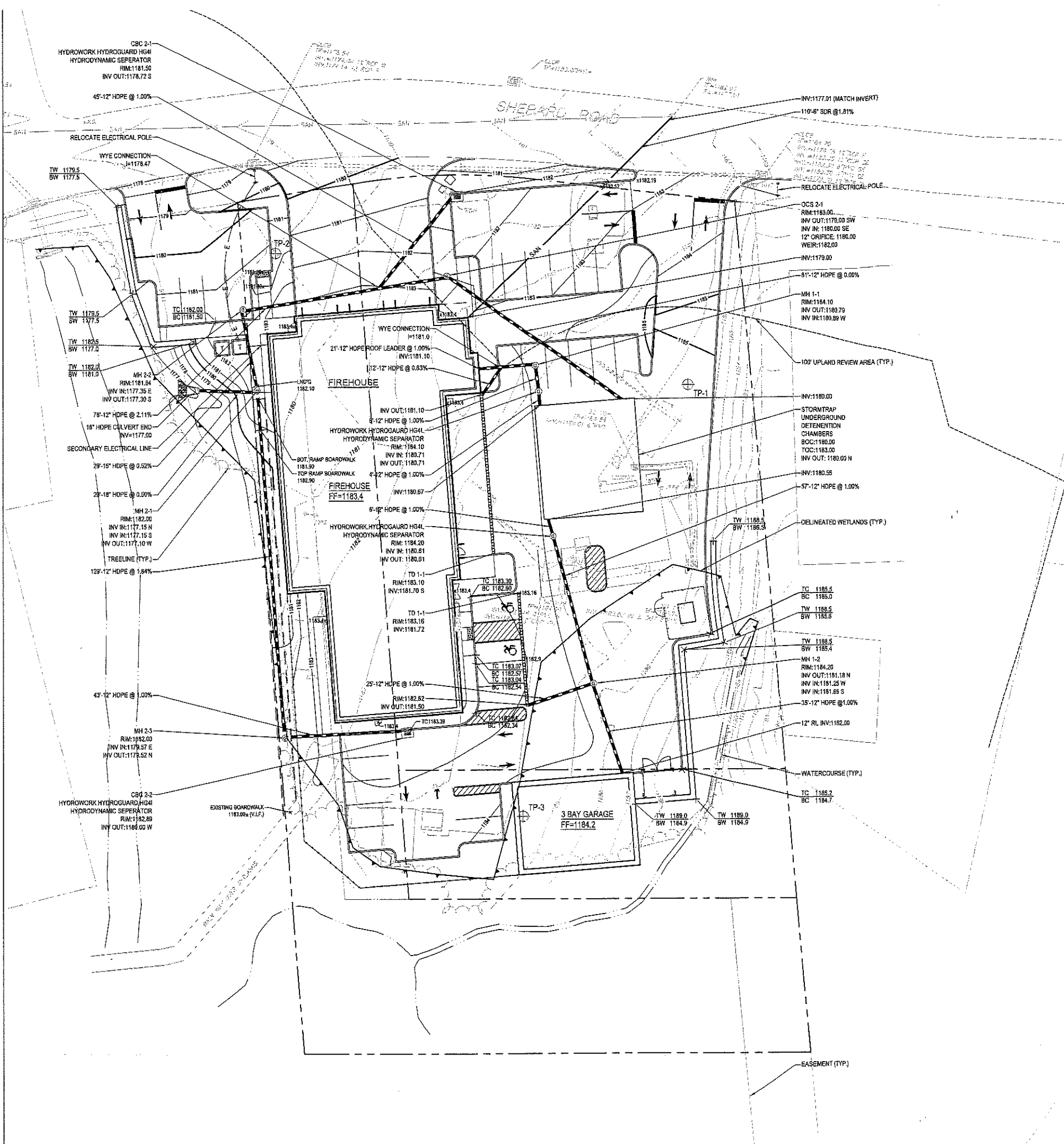
- THE CONTRACTOR SHALL COMPLY WITH ALL STATE, LOCAL AND FEDERAL REGULATIONS.
- MATERIALS AND CONSTRUCTION PROCEDURES SHALL COMPLY WITH CT DOT FORM 818 AND THE TOWN OF NORFOLK SPECIFICATIONS.
- CONTRACTOR TO SECURE ALL NECESSARY TRADES PERMITS.
- NEW PAVEMENT TO MEET LINE & GRADE OF EXISTING PAVEMENTS.
- CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE DUE TO CONSTRUCTION ACTIVITIES.
- LOAM AND SEED ALL DISTURBED AREAS NOT COVERED BY OTHER IMPROVEMENTS.
- ALL LINES AND DIMENSIONS ARE PARALLEL OR PERPENDICULAR TO THE LINES FROM WHICH THEY ARE MEASURED.
- ALL LOCATIONS WHERE EXISTING CURBING, BITUMINOUS CONCRETE ROADWAY OR CONCRETE ROADWAY OR CONCRETE SIDEWALK ADJUT NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAW CUT TO PROVIDE A CLEAN, SMOOTH EDGE. TACK COAT EXPOSED EDGES OF EXISTING CONCRETE PRIOR TO PLACEMENT OF NEW BITUMINOUS CONCRETE PAVEMENT.
- FIELD ADJUSTMENTS MUST BE APPROVED BY THE OWNER'S REPRESENTATIVE AND APPROPRIATE MUNICIPAL OFFICIALS PRIOR TO CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE VERTICAL AND HORIZONTAL POSITION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL CONTROL DUST CAUSED BY HIS OPERATIONS BY APPLYING WATER OR DUST PALLIATIVE, OTHER THAN CALCIUM CHLORIDE.
- CONTRACTOR SHALL CONTROL NOISE TO AS GREAT AN EXTENT AS POSSIBLE. ALL POWER EQUIPMENT USED DURING CONSTRUCTION SHALL BE EQUIPPED WITH MUFFLERS.
- MANUFACTURED ITEMS SHALL BE INSTALLED, CONNECTED AND CLEANED ACCORDING TO THE MANUFACTURER'S DIRECTIONS.
- PRIOR TO PROJECT CLOSE-OUT, CONTRACTOR SHALL REMOVE ALL DEBRIS AND EXCESS MATERIALS FROM SITE. ALSO, ANY DAMAGE TO FIELD OR FACTORY APPLIED FINISHES SHALL BE REPAIRED.
- EXPANSION AND SCORE JOINTS FOR NEW CONCRETE WALKS SHALL BLEND TO MATCH EXISTING PATTERNS. CONTRACTOR TO ARRANGE TIMELY ON-SITE CONFERENCES WITH LANDSCAPE ARCHITECT TO APPROVE LAYOUT OF JOINT PATTERNS.
- PROVIDE EXPANSION JOINTS FOR NEW CONCRETE PAVING AT ALL CURBS, TREE GRATES, BUILDING WALLS, SITE WALLS, STAIRS, LIGHT POLE BASES, MANHOLES, GRATES/Vaults, EXISTING CONCRETE PAVING, STOP LIGHTS, FIRE HYDRANTS AND ALL OTHER FIXED MATERIALS. MAXIMUM DISTANCE BETWEEN EXPANSION JOINTS SHALL NOT EXCEED 25 FEET.
- A DIGITAL CAD FILE CAN BE PROVIDED TO THE CONTRACTOR FOR THE LAYOUT OF SITE IMPROVEMENTS IN THE FIELD.

SIGN TABLE

SIGN #	MUTCD # CONNDOT #	SIGN
①	NA 31-0629(P)	
②	R7-8A NA	

UPLAND REVIEW AREA DISTURBANCE: 34,691 SF
TOTAL IMPACTED WETLAND AREA: 8,105 SF





GRADING LEGEND

- PROPERTY LINE
- MAJOR CONTOUR
- MINOR CONTOUR
- PROPOSED DRAINAGE PIPE
- SEWER LINE
- ELECTRICAL LINE
- DELINEATED WETLANDS
- WATERCOURSE
- EASEMENT
- TREELINE
- 100' UPLAND REVIEW AREA
- PROPOSED AREA DRAIN
- PROPOSED CATCH BASIN
- PROPOSED DRAINAGE MANHOLE
- PROPOSED SPOT GRADE
- FLUSH CONDITION
- SANITARY LINE
- WATER LINE
- ELECTRIC

DRAINAGE NOTES

- FUNCTIONAL COMPLETION OF STORM WATER DETENTION SYSTEMS AND STRUCTURES SHALL PRECEDE SITE DEVELOPMENT OF AREAS CONTRIBUTING TO THESE SYSTEMS.
- CERTIFIED 'AS-BUILT' VS 'AS-APPROVED' PLANS OF THE STORM WATER DETENTION-DISCHARGE SYSTEM SHALL BE SUBMITTED FOLLOWING ITS CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE TO ENSURE ADEQUATE SIZING OF MANHOLES TO ACCEPT PROPOSED PIPES.
- ALL EXISTING UTILITY LINES TO BE ABANDONED SHALL BE ABANDONED ACCORDING TO UTILITY COMPANY REQUIREMENTS.
- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH APPLICABLE STANDARDS.
- 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.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEWATERING DURING THE EXECUTION OF HIS WORK.
- 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.

ACCESSIBILITY NOTES

- SLOPES ALONG THE ACCESSIBLE ROUTE SHALL BE LESS THAN 1:20 (5%) AND THE CROSS SLOPES SHALL NOT EXCEED 1:50 (2%). CHANGES IN LEVELS SHALL NOT BE GREATER THAN 1/4" INCH.
- SLOPES ALONG THE HANDICAP ACCESSIBLE RAMP SHALL NOT EXCEED 1:12 (8.3%) AND THE CROSS SLOPE SHALL NOT EXCEED 1:50 (2%). CHANGES IN LEVEL SHALL NOT BE GREATER THAN 1/4" INCH.
- LANDINGS SHALL NOT HAVE A SLOPE GREATER THAN 1:50 (2%) IN ANY DIRECTION.
- SLOPES WITHIN THE HCP PARKING SPACE SHALL NOT EXCEED 1:50 (2%) IN ANY DIRECTION.

TEST PIT DATA:

- TP-1 - 40' TO SEASONAL HIGH GROUNDWATER - 5' TOTAL DEPTH
- TP-2 - 32' TO SEASONAL HIGH GROUNDWATER - 5' TOTAL DEPTH
- TP-3 - 18' TO GROUNDWATER - 5' TOTAL DEPTH

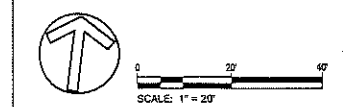
Prepared for:



NORFOLK FIRE DEPARTMENT
TOWN OF NORFOLK
20 SHEPARD ROAD
NORFOLK, CT

DATE	REVISION

KEY PLAN



PROJECT NO.: 70724.00
SCALE: 1"=20'
DATE: 8/23/2023
DRAWN BY: GSL
CHECKED BY: WGW

SITE
GRADING & UTILITIES
PLAN

Prepared for:



NORFOLK FIRE DEPARTMENT

TOWN OF NORFOLK
20 SHEPARD ROAD
NORFOLK, CT

DATE: REVISION:

KEY PLAN



SCALE: 1" = 100'



PROJECT NO.: 70724.00
SCALE: AS SHOWN
DATE: 7/28/2023

DRAWN BY: DEP
CHECKED BY: ENB

**LANDSCAPE
PLAN**

DRAWING NO.:

PERENNIAL MIX I (98 sf)
(115) GRM
(13) SNA

PERENNIAL MIX I (95 sf)
(112) GRM
(13) SNA

PERENNIAL MIX I (181 sf)
(212) GRM
(24) SNA

SHADE TURF MIX (845 sf)
(253 sf) LOL PER
(591 sf) POA TRI

PERENNIAL MIX I (113 sf)
(133) GRM
(15) SNA

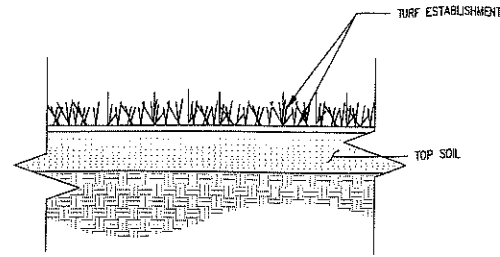
PERENNIAL MIX I (93 sf)
(109) GRM
(13) SNA

SHEPARD ROAD

FIREHOUSE

PLANT SCHEDULE

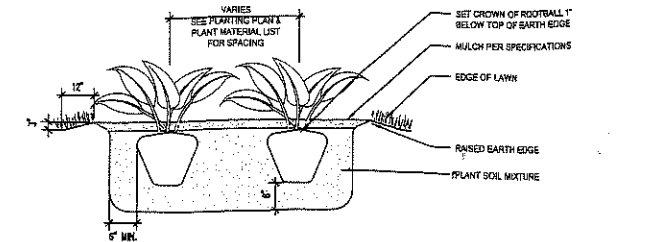
DECIDUOUS TREES	CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE	
	AML	2	Amelanchier laevis / Allegheny Serviceberry Multi-trunk	B & B	MULTI-TRUNK	8-10' ht.	
	BTN	3	Betula nigra / River Birch Multi-Trunk	B & B	MULTI-TRUNK	10-12' HT.	
	PT	3	Populus tremuloides / Quaking Aspen	B & B	2.5-3" cal.	8-10' HL	
EVERGREEN TREES	CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	SIZE	
	ILO	3	Ilex opaca / American Holly	B & B	2.5-3" cal.	6 - 8' HT.	
DECIDUOUS SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	HEIGHT	SPREAD	
	CR	18	Cornus sericea / Red Twig Dogwood	5 gal	2-4' ht.	3-5' spr.	
	IVW	13	Ilex verticillata 'Winter Red' / Winter Red Holly	5 gal	3-4' ht.	3-4' spr.	
GROUND COVERS	CODE	QTY	BOTANICAL / COMMON NAME	CONT	HEIGHT	SPREAD	SPACING
		1,005 sf	PERENNIAL MIX I				
	GRM	1,175	Geranium maculatum / Spotted Geranium	SP4 CONT.	6"	12-18" spr.	50% @ 8" o.c.
	SNA	131	Symphoricarum novae-angliae / New England Aster	SP4 CONT.	6"	20-30" spr.	50% @ 24" o.c.
		845 sf	SHADE TURF MIX				
	LOL PER	254 sf	Lolium perenne / Perennial Ryegrass	seed			
	POA TRI	592 sf	Poa trivialis / Annual Bluegrass	seed			
	CS3	462	Carex pennsylvanica / Pennsylvania Sedge	SP4 CONT.	6-12" ht.	6-12" spr.	9" o.c.
	VA	401	Vinca minor 'Alba' & 'Bowles' / Periwinkle	PLUG	TOP	4-6" spr.	12" o.c.



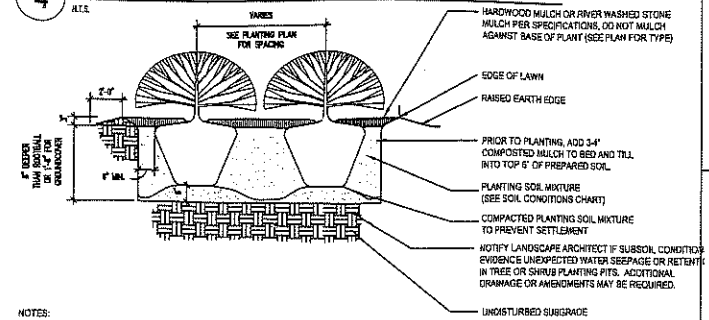
NOTES: ERNEST CONSERVATION SEEDS
5311 CONSERVATION MIX - ERNMIX - 114: CREEPING RED FESCUE (FESTUCA RUBRA - 30.00%), KENTUCKY BLUEGRASS, 'BARON' (POA PRATENSIS, 'BORON' - 25.00%), KENTUCKY BLUEGRASS, 'KELLY' (POA PRATENSIS, 'KELLY' - 25.00%), ANNUAL RYEGRASS (LOLIUM MULTIFLORUM - 10.00%), PERENNIAL RYEGRASS, 'CONFETTI III' (LOLIUM PERENNE, 'CONFETTI III' - 10.00%).
SEEDING RATE: 100-200 LB PER ACRE, OR 3-5 LB PER 1,000 SQ FT

5 GRASS TURF

SCALE: NONE



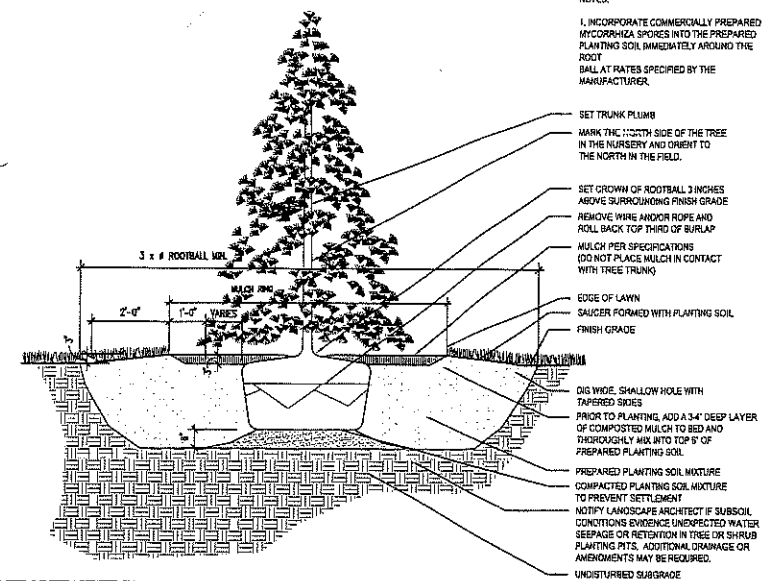
4 PERENNIAL PLANTING (CONTINUOUS PLANTING BED)



- 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 COMMERCIALY 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.

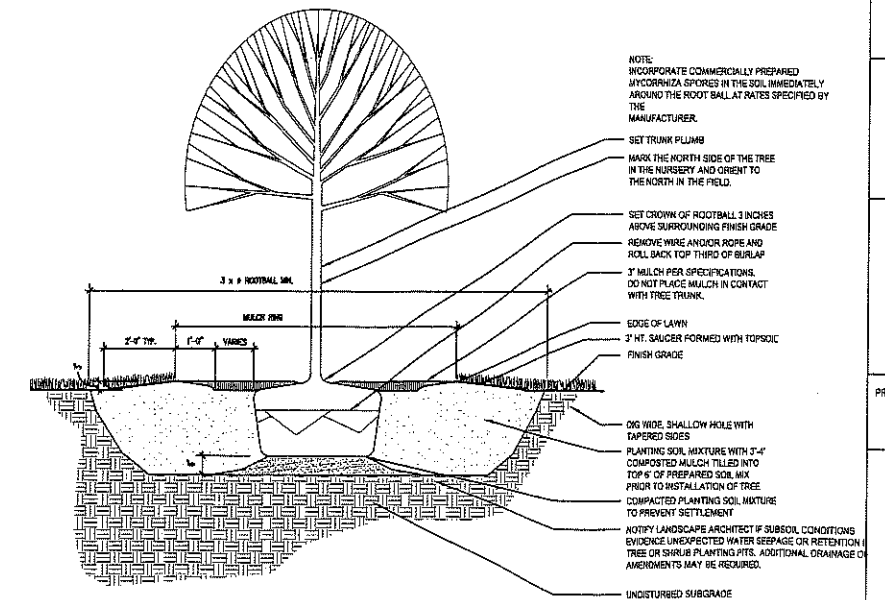
3 SHRUB PLANTING BED

SCALE: NONE



2 EVERGREEN TREE PLANTING

NOT TO SCALE



1 DECIDUOUS TREE PLANTING

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860-633-8341

Prepared for:



NORFOLK FIRE DEPARTMENT

TOWN OF NORFOLK

20 SHEPARD ROAD
NORFOLK, CT

DATE:	REVISION:

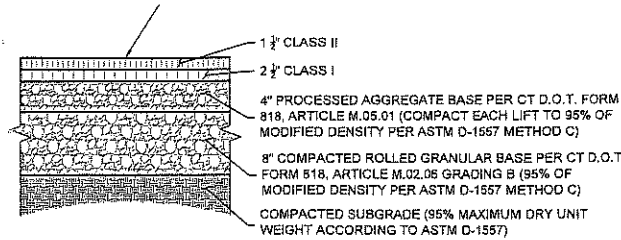
KEY PLAN



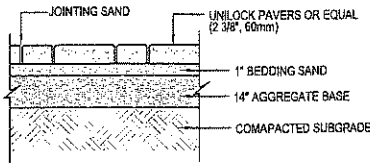
PROJECT NO.: 70724-00
SCALE: AS SHOWN
DATE: 7/28/2023
DRAWN BY: DEP
CHECKED BY: ENG

**PLANTING
DETAILS**

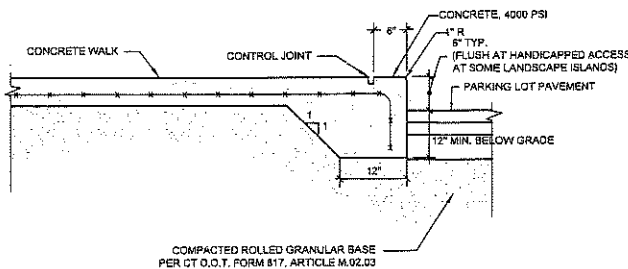
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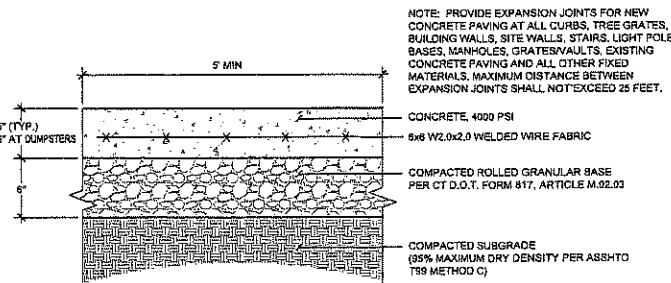
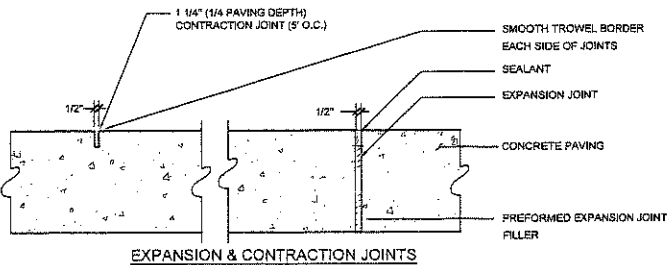
BITUMINOUS CONCRETE PAVEMENT
SCALE: NONE



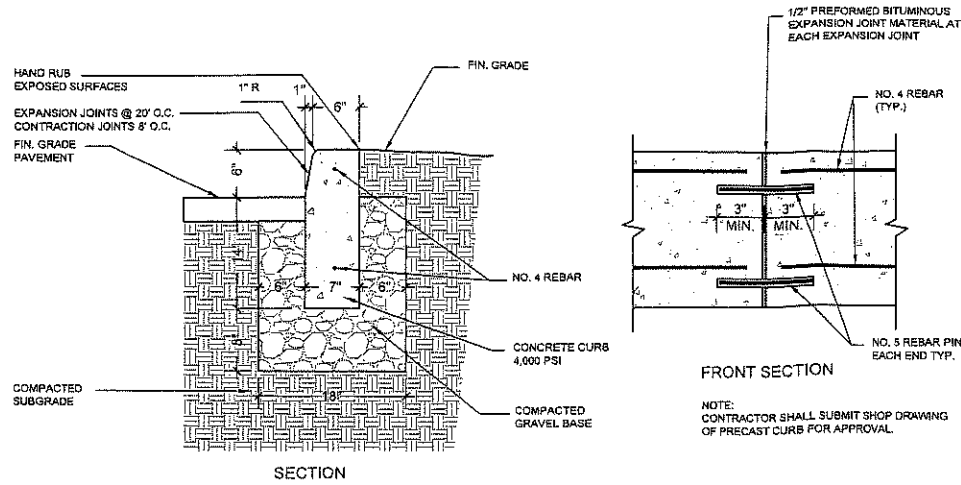
PARKING/DRIVE BLOCK PAVERS
SCALE: NONE



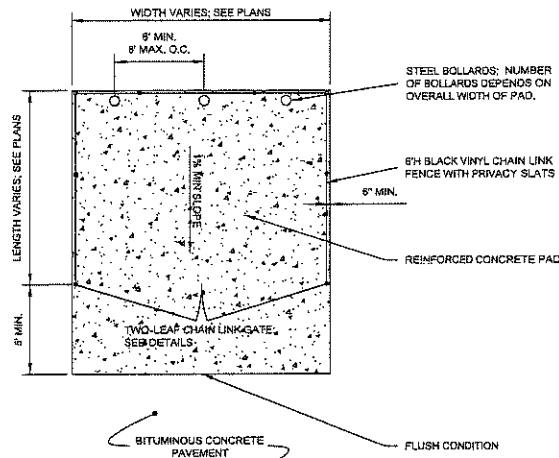
INTEGRAL CONCRETE CURB AT WALK
SCALE: NONE



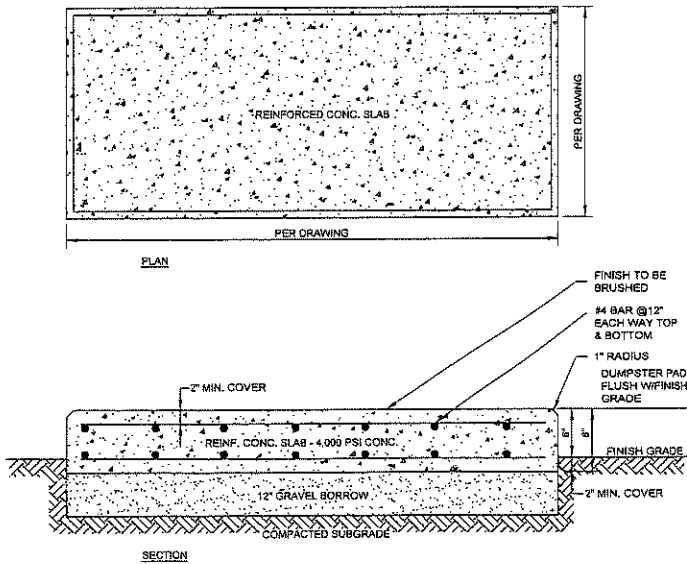
CONCRETE WALK
SCALE: NONE



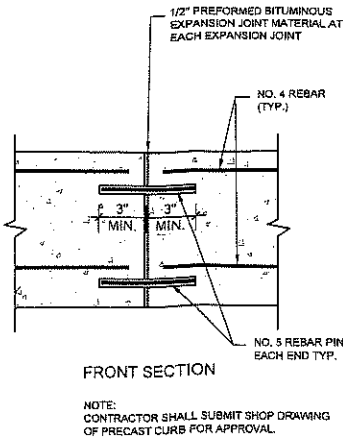
PRECAST CONCRETE CURB



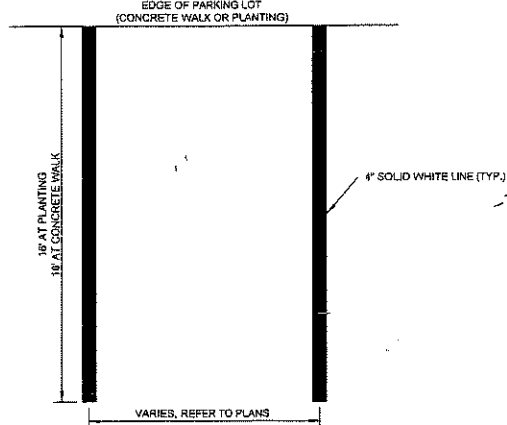
DUMPSTER PAD
SCALE: NONE



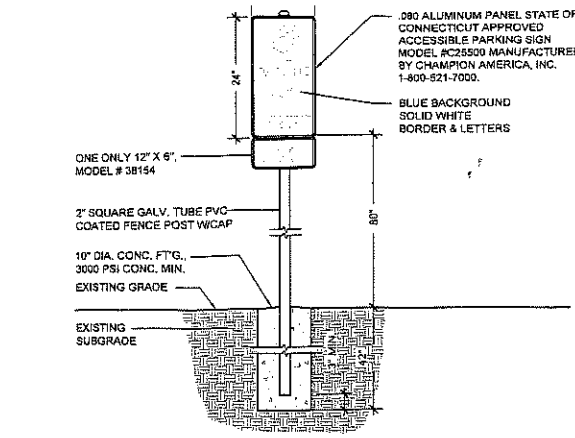
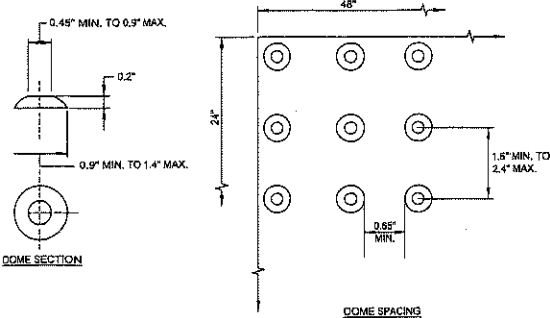
CONCRETE PAD
SCALE: NONE



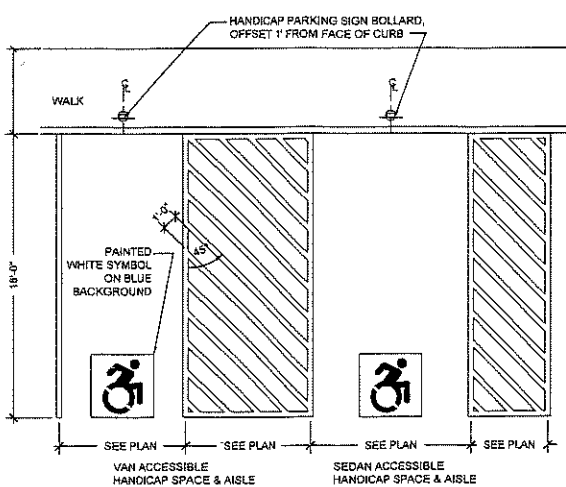
DETECTABLE WARNING



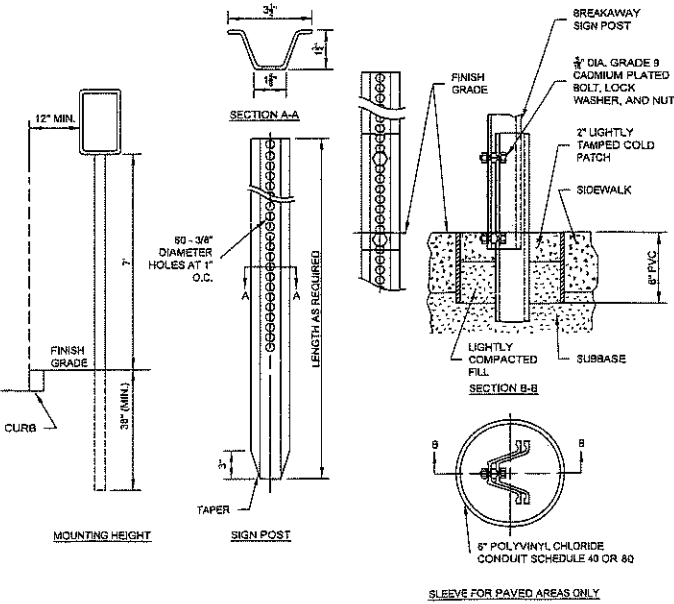
STANDARD PAINTED PARKING MARKINGS
SCALE: NONE



HANDICAP PARKING SIGN
SCALE: NONE

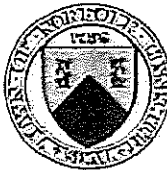


HANDICAP PARKING STALL LAYOUT
SCALE: NONE



TYPICAL SIGN SUPPORT - BREAKAWAY
SCALE: NONE

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Prepared for:

NORFOLK FIRE DEPARTMENT

TOWN OF NORFOLK

NORFOLK, CT

20 SHEPARD ROAD

DATE	REVISION

KEY PLAN



PROJECT NO.: 70724.00
SCALE: AS SHOWN
DATE: 7/28/2023

DRAWN BY: JHL
CHECKED BY: WDW

SITE DETAILS

DRAWING NO.:
C-5.0

Prepared for:



NORFOLK FIRE DEPARTMENT

TOWN OF NORFOLK

NORFOLK, CT

20 SHEPARD ROAD

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KEY PLAN

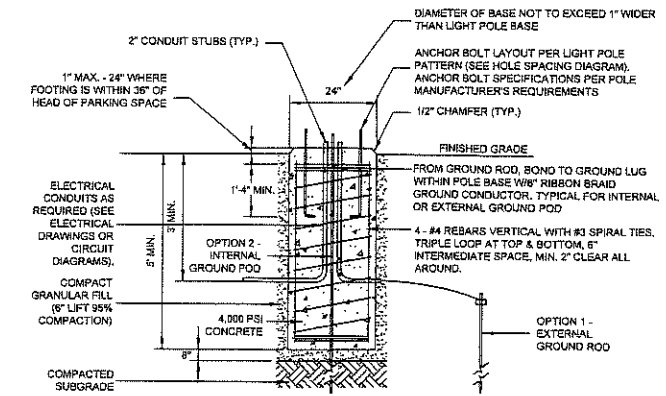


PROJECT NO.: 70724-00
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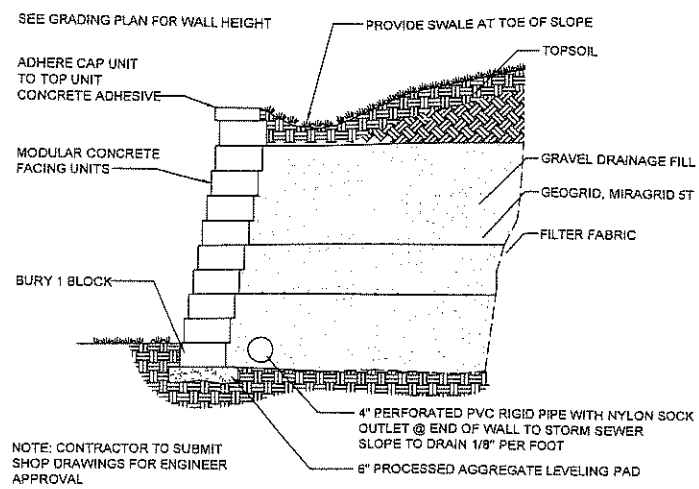
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CHECKED BY: NGW

SITE DETAILS

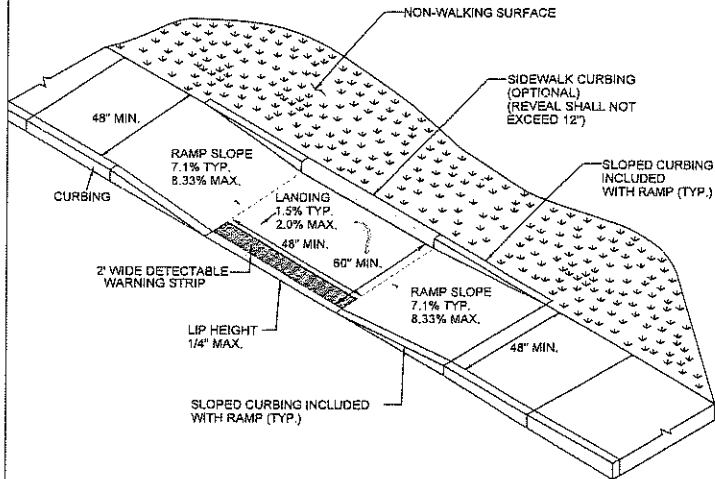
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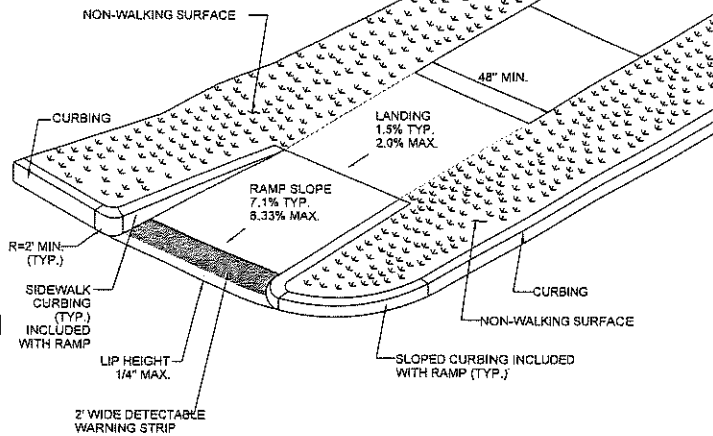
LIGHT POLE BASE
SCALE: NONE



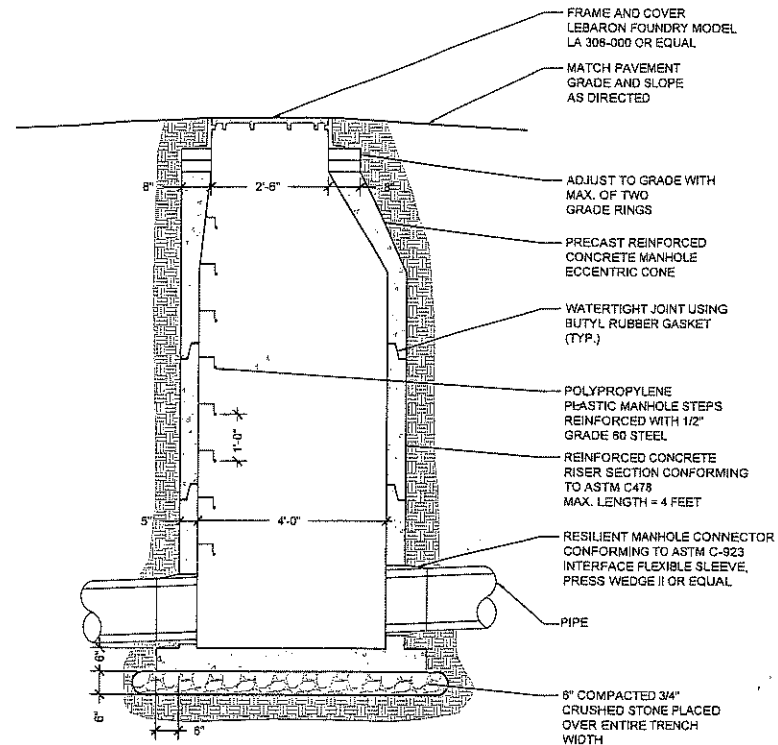
MODULAR CONCRETE BLOCK RETAINING WALL
SCALE: NONE



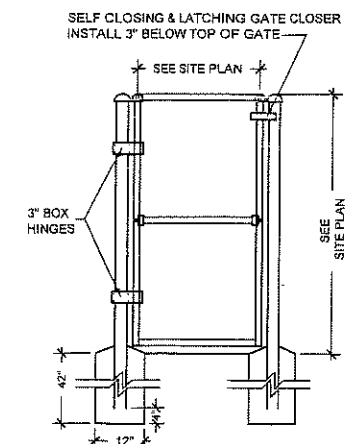
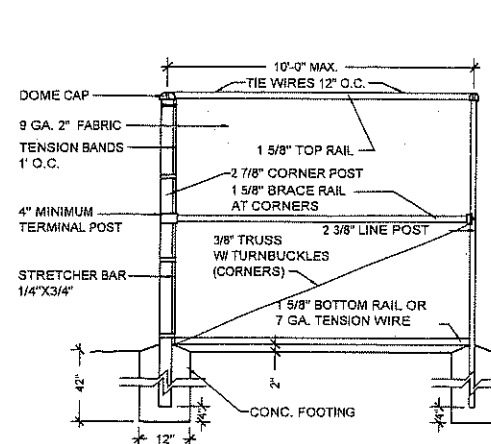
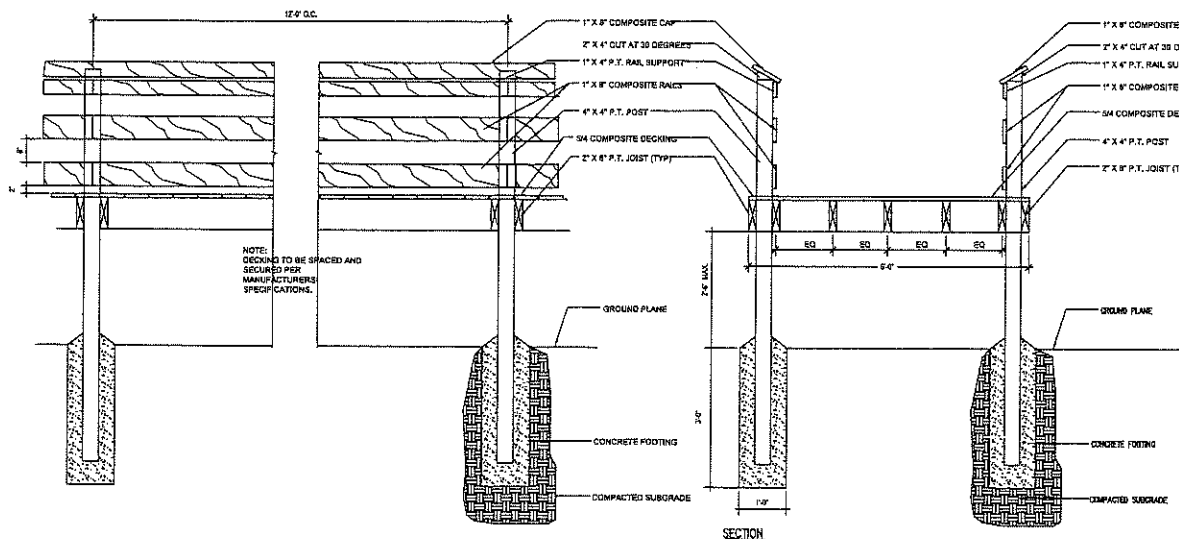
PARALLEL RAMP WITHOUT NON-WALKING SURFACE (CONNDOT TYPE 9)
SCALE: NONE

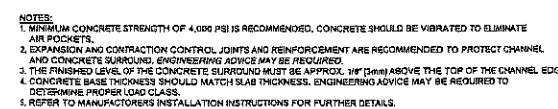
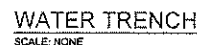
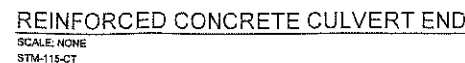
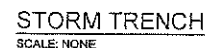


SINGLE DIRECTION - RETURN CURB WITH NON-WALKING SURFACE (CONNDOT TYPE 16)
SCALE: NONE



DRAIN MANHOLE
SCALE: NONE





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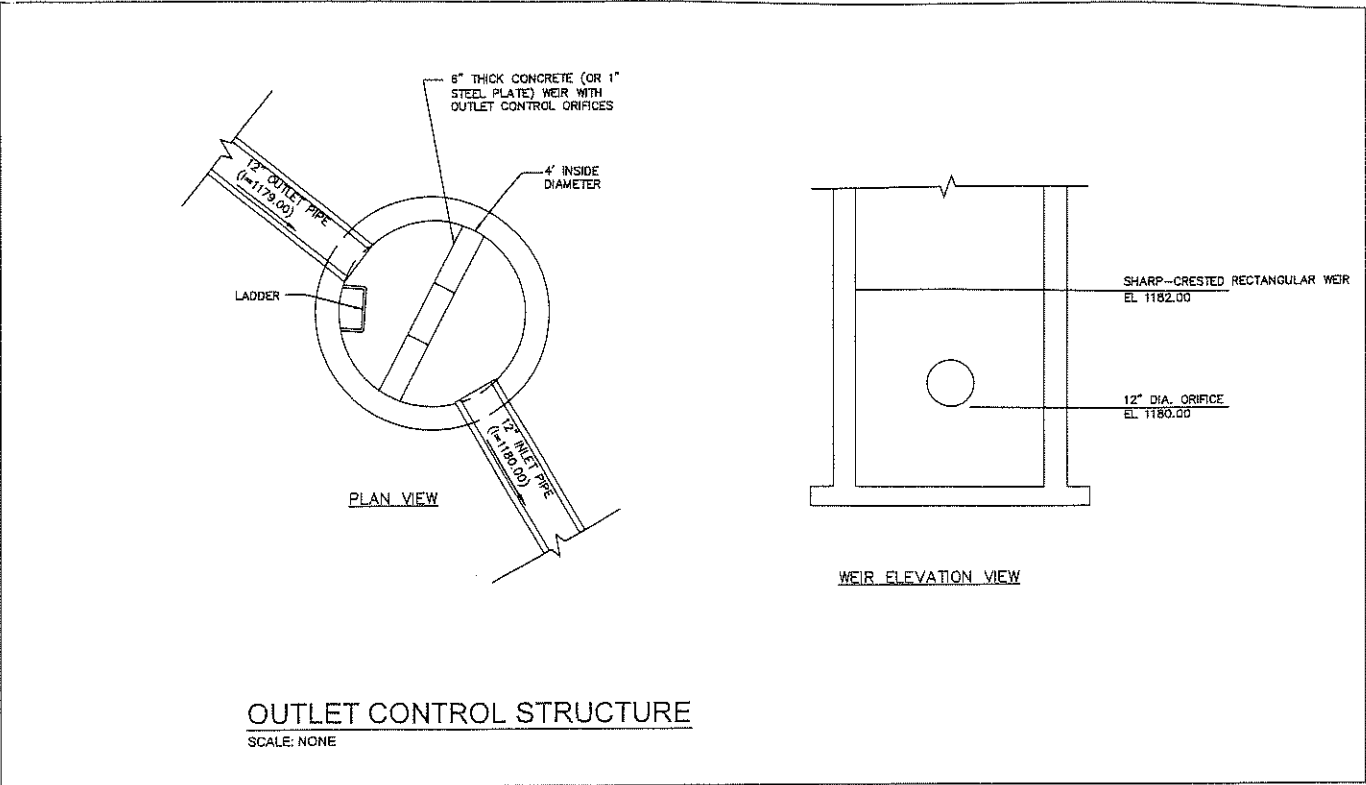


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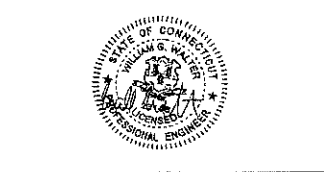
TOWN OF NORFOLK

NORFOLK, CT

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KEY PLAN



PROJECT NO.: 70724.00
SCALE: AS SHOWN
DATE: 7/18/2023

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CHECKED BY: WCM

SITE DETAILS