### NORFOLK FIRE DEPARTMENT

20 SHEPARD ROAD NORFOLK, CT

SUBMITTED FOR: INLAND WETLAND PERMIT

JULY 28, 2023

### **OWNER**

Prepared For Owner



### **CONSULTANTS**

Prepared By:



120 Hebron Avenue, 2nd Floor Glastonbury, Connecticut 0603 860-633-8341

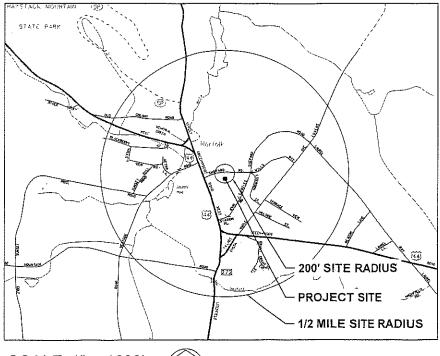


Silver, Petrucelli & Associates, Inc. 3190 Whitney Avenue | Hamden CT 0651 One Post Hill Place | New London CT 063

### LIST OF DRAWINGS

|       | TITLE SHEET                                |
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| SV01  | BOUNDARY - TOPOGRAPHIC SURVEY              |
| C-1.0 | DEMOLITION & SITE PREPARATION PLAN         |
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| C-5.1 | SITE DETAILS                               |
| C-5.2 | SITE DETAILS                               |
| C-5.3 | SITE DETAILS                               |
|       |  |

### HALF MILE VICINITY MAP



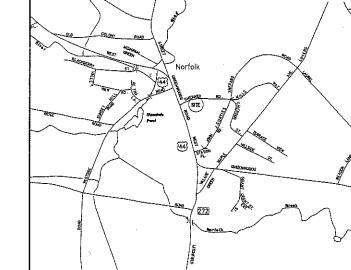
SCALE: 1" = 1000'

MAP OF LAND THE TOWN OF NORFOLK "CITY MEADOWS PARCEL" VOI. 68 PC 525-529 FRONTING ON U.S. ROUTE 44, SHEPARD ROAD & JOHN CURTIS ROAD, NORFOLK, CONN. SCALE 1 INCH =40 FEET DATE FEB. 3, 1988 BY DR. GEORGE D, ADDITE (MAP 1040)

SHEPARD ROAD SUBSTA SITE & RIGHT OF WAY PROPERTY FURCHASE & R/W NORFOLK. COMN ANTONIO BOSCARDIN THE CONNECTICUT FORMER COMPANY ENGINEERING DIVISION SCALE 1°=40° DATE 8-15-53 ESJ185-0 (MAP 120).

4. RESUBDIVISION LOT I PREPARED FOR CLIFFORD DAMS SHEPARD RO & JOHN CURTISS ROAD NORFOLK, CT DATE 3/14/86 SCALE 1"=20" BY DISCARA LAND SURVEYING SERVICES

TWO LOT SUBDIVISION PREPARED FOR ANITA C BROWNE AND PAULINE C MILLARD SHEPARD ROAD AND JOHN CURTISS ROAD NORFOLK, CONNECTICUT SCALE 1"=60" SEPTEMBER 12, 1983 ZONED RETAIL BY SAMUEL P. BERACCINI RLS



LOCATION PLAN N.T.S.

### LEGEND

-SMH 1F=1182.94 F.L.=1177.01

SQ YD 1F=1184.93 INY, 41183.03 IN & OUT 6"PVC

NBJ 19' 35% 150,15'

TF=1184.70 INV.=1179.75 12\*RCP E INV.=1182.05 12\*CMP SE WV.=1182.30 6\*PVC SE INV.=1182.30 3\*PVC SE

EXISTING BUILDING AND GRAVEL DRIVE ENGROACHES OVER PROPERTY LINE

TOPO SPUR 5 SPK

N/F ONYX ORTON 33 JOHN CURTISS ROAD VOL 113 PG 867

EXISTING BUILDING

SHEPARD ROAD

N/F TOWN OF NORFOLK (NORFOLK VOLUNTEER FIRE DE

TF=1184.96 INV.=1181.46 6 PVC IN INV.=1181.41 6 CMP OUT

—BÎT PARKING AREA ENGROACHES OVER PROPERTY LINE

MOTTED HATCHED AREA LAND FOR USE BY THE NORFOLK MOLUNTEER HINE DEPARTMENT PER MAC REPORENCE

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### UTILITY SERVICES (UNDERGROUND OR OVERHEAD) - ELECTRIC SERVICE GAS PIPES SANITARY SEWER PIPES STORM HATER PIPES (LESS THAN 127) STORN WATER PIPES (12" OR LARGER) ---- STM -----STEAM PIPES (SUPPLY & COND.) TELEPHONE SERVICE WATER PIPES COMMUNICATION/FIBER OPTIC SERVICE \_FP — PRE PROTECTION PIPES UNKNOWN UTILITY SERVICE \_\_\_ OH \_ PROPERTY/BOUNDARY LINES PROPERTY/BOUNDARY LINES (CLASS 4-2) PROPERTY/BOUNDARY LINES (CLASS D) EASEMENT LINES FEATURE LINES ----- EDGE OF PAVED ROAD/DRIVE BUILDING ROOFLINE (AERIAL PHOTOS) STOCKADE FENCE CHAIN LINK/WIRE FENCE سسسس TREE/VEGATATION LINE STONE WALL SURFACE WATER (WATERCOURSE) WETLANDS LIMIT EDGE OF LANDSCAPING

SYMBOL LEGEND CATCH BASHI ROUND DRAIN SOUARE DRAW STORM DRAW MANHOLE ELECTRIC MANHOLE SANITARY MANHOLE STEAM MANHOLE TELEPHONE MANHOLE HATER MUNHOLE MANHOLE (OF UNKNOWN TYPE)
HAND HOLE (SO: / REC.) WATER VALVE •₩.G. GAS VALVE HYDRANT COMBO STANOPIPE GUY WIRE SIGN (SINGLE POST) SIGN (DOUBLE POST) FIDEING (AS DRILLED) SPOT ELEVATION WETLANDS FLAG
PROPERTY MONUMENT
UTILITY MONUMENT (SET AS 2' OFFSET) x #F-# IRON PIPE OR REBAR FOUND IRRIGATION CONTROL BOX EMERGENCY PHONE TRAFFIC CONTROLLER CARINET

UTILITY POLE UTILITY POLE W/ LIGHT \*----STREET LIGHT LIGHT POST BOLLARD LIGHT BOULDER / ROCK CONFER SHRUB DECIDUOUS SHRUB 8 DECIDUOUS TREE (SAPLING)

CONFER TREE

ELECTRIC
ELEVATION
ELECTRIC MANDLE
FLOW LINE
FOUND
FOU NORTHEAST NOW OR FORMERLY NORTHWEST

NOW OF PURELECT
NOTIFIED TO PROPERTY
NOTIFIED TO PROPERTY
PORT OF THE PROPERTY
SOUTH OF SUPPLY
SOUTHEST
SOUTHEST
SANTAME MANDLE
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SOUTHEST
MANDLE

### SURVEY NOTES

1. THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH THE REGULATIONS OF CONNECTICUIT STATE ACENCIES, SECTIONS 20-3008-1 THRU 20-3008-20 AND THE MEMBRING STANDARDS OF ACCURACY, CONTENT & CERTIFICATION FOR SURVEYS AND MAPS, AS AMENDED OCTOBER 26, 2018.

1.1. THE TYPE OF SURVEY IS A PROPERTY/BOUNDARY, TOPOGRAPHIC AND GENERAL LOCATION SURVEY.

1.2. THE BOUNDARY DETERMINATION CATEGORY IS RESURVEY.

1.3. THE ACCURACIES ARE AS FOLLOWS:

INDEX CONTOUR

HORIZONTAL CONTROL VERTICAL CONTROL BOUNDARY TOPOGRAPHY CLASS "A-2" CLASS "V-2" CLASS "A-2" (COMPILED) CLASS "T-2"

2. THE COORDINATES AND ELEVATIONS DEPICTED ON THE PLAN REPRESENT THE NAD '83 THE COMMINATES AND ELEVATIONS DEPICTED ON THE PLAN REPRESENT THE RAD OF AND THE MAYO'S BE DATUMS. COORDINATES WERE ESTABLISHED ON THE SITE BASED UPON GPS OBSERVATIONS TAKEN ON SPITHWER 2021 USING TRIMBLE GAISS RIK RIO RECEIVERS AND SOLUTIONS PROVIDED THROUGH THE KEYNET NETWORK.

3. THE UNDERGROUND UTILITIES DEPICTED HEREON ARE BASED ON FIELD LOCATION OF VISIBLE FEATURES, MAPS AND PLANS OF RECORD, UTILITY MAPPING OR OTHER SOURCES OF INFORMATION. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, ETHER IN SERVICE ON ABANDOND. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EFACT LOCATION INDICATED AUTHORION HE DECOMPLIANTE THAT THEY ARE POSSIBLE FROM THE HEADER CLARKE THAT THEY ARE POSSIBLE FROM THE HEADER CALLETY TO THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.

4. THE PROPERTY LIES WITHIN THE "ZONE X" — AREAS OF 0.2% ANNUAL CHANCE FLOOD: AREA OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTH OF LESS THAN 15 OF MILE: AND AREA PROTECTED BY LEVES FROM 1% ANNUAL CHANCE FLOOD "PER THE FEMA FLOOD MISURANCE RATE MAY TOWN OF NORFOCK CONNECTION! TURNELD COUNTY PANEL 10 OF 15 COMMUNITY PANEL NUMBER 090181 0010 A EFFECTIVE DATE: DECEMBER J. 1987.



TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS DEPICTED AND NOTED HEREON.

07/28/2023

DAVID A. CARICCHIO, P.L.S. No. 70036
ALFRED BENESCH & COMPANY, GLASTONBURY, CONNECTICUT
(not valid intitraut original signature and embossed seal)

DATE: SEPT 20 SV.(

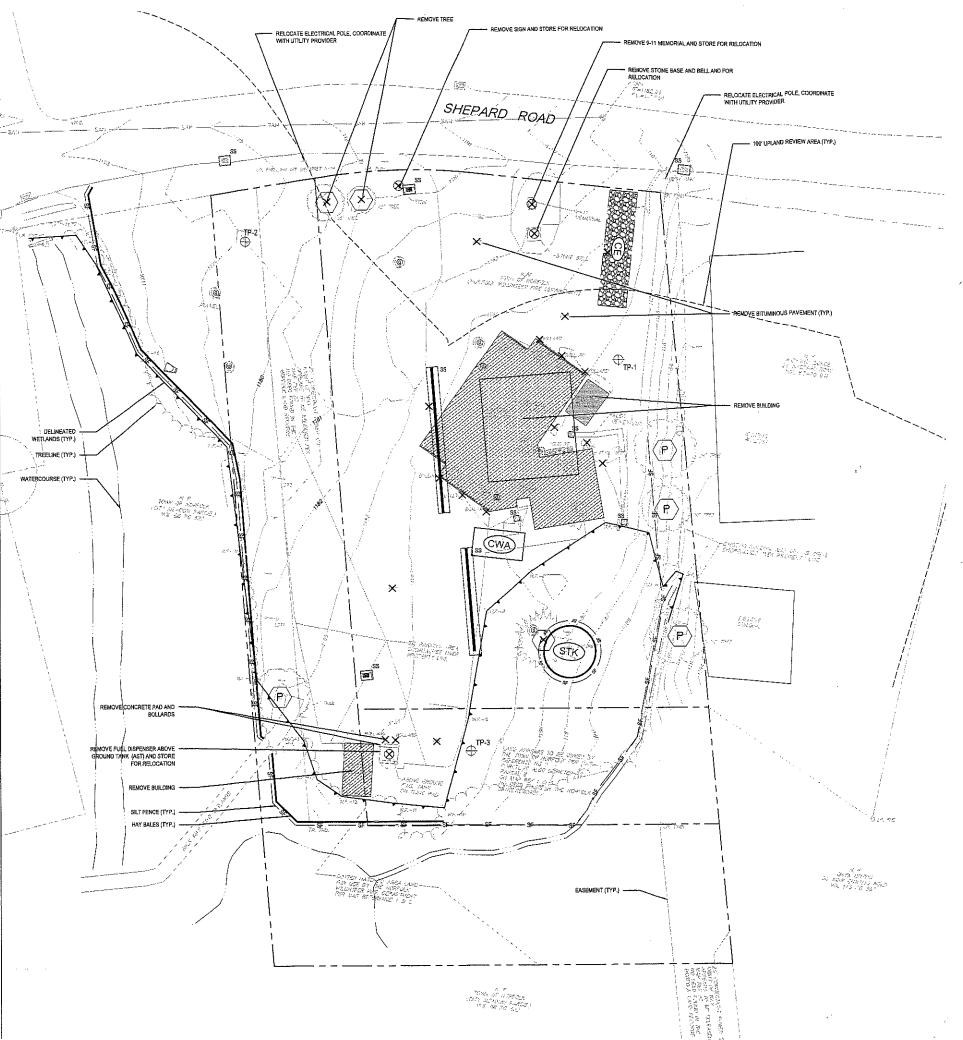
SURVEY NORFOLK TOPOGRAPHIC OF OF

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TOWN ( BOUNDARY-出上



### SITE PREPARATION NOTES

- CONTRACTOR SHALL NOTIFY "CALL BEFORE YOU DIG" (1-800-922-4455) AND VERIFY UTILITY MARK-CHT WITH THE OWNER PRIOR TO THE INITIATION OF ANY SITE DISTURBANCE.
- 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 A MOREO.
- 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.
- DURING DEMOLITION, PROTECT ALL ADJACENT CURBING, SIDEWALKS, RAMPS, ABOVE-GRADE AND BELOW-GRADE UTBUTIES, DRAINAGE STRUCTURES, LIGHT BASES, AND OTHER IMPROVEMENTS POTENTIALLY AFFECTED BY THE WORK, CLEARLY DELINEATE THE LIMITS OF WORK AND MARK, BARRICADE, OR OTHERWISE LIGHTLY THOSE IMPROVEMENTS THAT ARE TO BE PROTECTED ANDOR AVOIDED. ANY IMPROVEMENT WHICH IS DAMAGED SHALL BE REPAIRED OR REPLACED IN-KIND TO THE
- 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 DRAWNINGS AS WELL AS OTHER DIMENSIONS HE MAY OEM APPROPRIATE TO FACILITATE THE COMPLETION OF THE WORK, NOTHEY THE ENGINEER OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THAT PORTION OF THE WORK.
- IMPLEMENTING WORKER SAFETY AND/OR HEALTH PROTOCOLS THAT ADDRESS COMPLIANCE WITH RULES, LAWS, AND REQUILATIONS PERTAINING TO CONSTRUCTION SAFETY AND/OR THE POTENTIAL AND/OR ACTUAL RISK OF EXPOSURE TO SITE-SPECIFIC PHYSICAL OR CHEMICAL HAZAROS IS SOLELY THE
- PRIOR TO THE TERMINATION, ABANDONMENT, OR REMOVAL OF ANY UTILITY, VERIFY THAT APPLICABLE NOTHICATIONS HAVE SEEN MADE TO THE UTILITY DWINEROPERATOR AND THAT THE UTILITY HAS BEEN PROPERLY TERMINATED, CAPPED, OR PLUGGED AS REQUIRED.
- 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.
- 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:

- CONDUCT A PRE-CONSTRUCTION MEETING WITH THE OWNER AND ENGINEER PRIOR TO ANY CONSTRUCTION ACTIVITY.
- INSTALL CONSTRUCTION ENTRANCE(S) AND PLACE CATCH BASIN FILTER INSERTS IN EXISTING CATCH BASINS.
- INSTALL PERIMETER EAS CONTROLS AND REQUEST PRE-CONSTRUCTION INSPECTION FROM THE ENGINEER.
- STRIP TOPSOIL AND IMPERVIOUS SURFACES AND PLACE EROSION CONTROLS AS NECESSARY
- 5. PERFORM DEMOLITION AND BULK EARTHWORK OPERATIONS.
- 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 STIE STABILIZATION MEASURES AS SHOWN

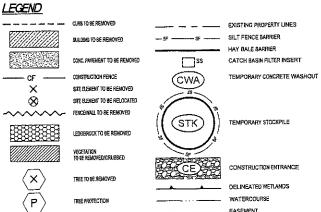
SCHEDULE

### TEMPORARY E+S MEASURES MAINTENANCE SCHEDULE:

MAINTENANCE MEASURES

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

E&S MEASURE



TREELINE

\_\_\_ 100' UPLAND REVIEW AREA



120 Hebron Avenue, 2nd Floor Glastonbury, Connecticut 06033 660-633-8341

Prepared for:

NORFOLK FIRE DEPARTMENT OF NORFOLK

| UARE     | REVISIONS |  |
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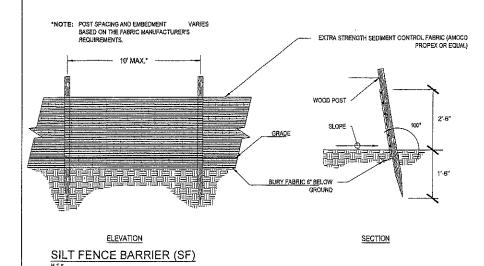






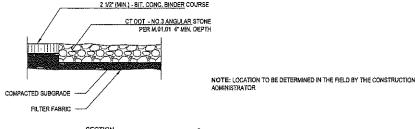
PROJECT NO.: 70724.00 SCALE: 17-20' DATE: 7/28/2023

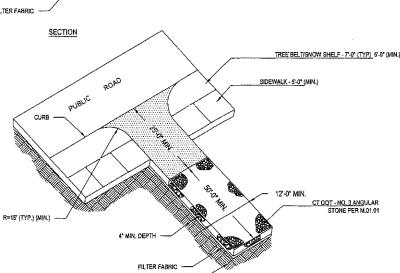
**DEMOLITION & SITE PREPARATION PLAN** 



TEMPORARY VEGETATIVE COVER TO BE ESTABLISHED SILT FENCE SURROUNDING STOCKPILE 3:1 SLOPE MAX

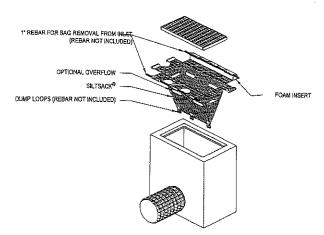
TEMPORARY STOCKPILE (STK)





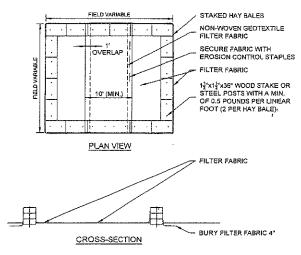
COMPACTED SUBGRADE

CONSTRUCTION ENTRANCE (CE)



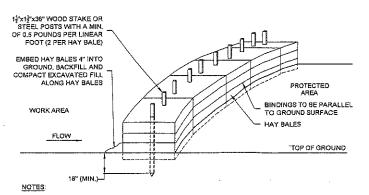
'SILTSACK' SEDIMENT CONTROL DEVICE, TERRAFIX GEOSYNTHETICS INC. TORONTO, ONTARIO, CA

SILT SACK DETAIL (SS)



- CONSTRUCT WASHOUT AREA LARGE ENOUGH TO ENSURE MATERIALS WILL BE CONTAINED WHERE WASTE CONCRETE CAN SOLIDIFY IN PLACE AND EXCESS WATER CAN SAFELY
- 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)



- 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.
  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.
  DRIVE FIRST STAKE IN EACH BALE TOWARD THE PREVIOUSLY LAID BALE TO FORCE THEM

- 4. PUT ONE HAY BALE PERPENDICULAR ALONG HAY BALE BARRIER EACH 100 FEET.

### 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 PAVER 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 APPURITEMANCES. 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 39' HIGH AND FASTENED TO WOOD STAKES, SILT FENCE SHALL BE WISTALLED 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.
  - 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 SCILS.)

- 1. CONTRACTOR SHALL APPLY TOPSOIL AND FINE GRADE ALL AREAS SEFORE THE APPLICATION OF PERMANENT SEED. APPLY LIMESTONE AND FERTILIZER AS NEEDED, IN ACCORDANCE WITH SOIL TESTS.
- 2. REMOVE ALL SURFACE STONES 1/4 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.)

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-LADER RUNOFF THROUGH MIPLEMENTATION OF CONVENTIONAL SOIL SEDIMENTATION AND EROSION CONTROL PRACTICES CURRENTLY RECOMMENDED BY THE 2002 CONNECTICUT GUIDELINES FOR SOIL

- A. EARTHWORK WILL SE 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 NECESSAR'S
- C. THERE SHALL BE NO CUTS OR FILL LEFT EXPOSED FOR LONGER THAN 30 DAYS, THE ESTABLISHED PROCEDURE OF TEMPORARILY SEEDING ANDIOR COVER WITH EROSION PROTECTION (MAT OR STRAW) SHALL BE FOLLOWED TO INSURE MINIMAL SOIL LOSS.
- THE DISCHARGE OF UNTREATED STORMWATER TO ANY ADJACENT ROADWAYS, DRAINAGE INLETS, OR PROPERTIES IS NOT ALLOWED.
- THIS PLAN IS FOR EROSION AND SEDIMENTATION (EAS) CONTROL ONLY. SEE OTHER PLANS FOR THE SCOPE OF CONSTRUCTION WORK
- 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 EAS CONTROL MEASURES ARE CONFIGURED AND CONSTRUCTED IN A MANNER THAT WILL MINIMIZE EROSION OF SOILS AND PREVENT THE TRANSPORT OF SEDIMENTS AND OTHER POLLUTAINS TO ANY RESOURCE AREAS, ALL EROSION CONTROLS SHALL BE INSTALLED PRIOR TO ANY SITE WORK, CONTROLS SHOULD BE INSPECTED WEEKLY AND AFTER EACH RAINFALL, EXCAVITED MATERIAL, SHOULD NOT BE DISPOSED OF IN THE WETLAND AREA, PROVIDE ADDITIONAL EAS MEASURES AS REQUIRED TO CONTROL EROSION AND SILTATION THROUGHOLIT THE DURATION OF THE CONSTRUCTION AS CONDITIONS DICTATE AND/OR AS DIRECTED BY THE OWNER OR THE ENGINEER.
- MONITOR AND INSPECT ALL EAS 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
- 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."
- 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.
- 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
- ALL TEMPORARY SLOPES IN EXCESS OF 3 (HORIZONTAL) TO 1 (VERTICAL) SHALL BE STABILIZED WITH EROSION CONTROL MATTING OR
- NO RUNOFF SHALL BE ALLOWED TO ENTER ANY STORMWATER SYSTEM OR EXIT THE SITE PRIOR TO TREATMENT FOR SEDIMENT REMOVAL.
- 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
- 19. 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.



Aifred Benesch & Company 120 Hebron Avenue, 2nd Floor Glastonbury, Connecticut 05033 860-633-8341

Prepared for

IORFOLK FIRE DEPARTMENT NORFOL Q. TOWN

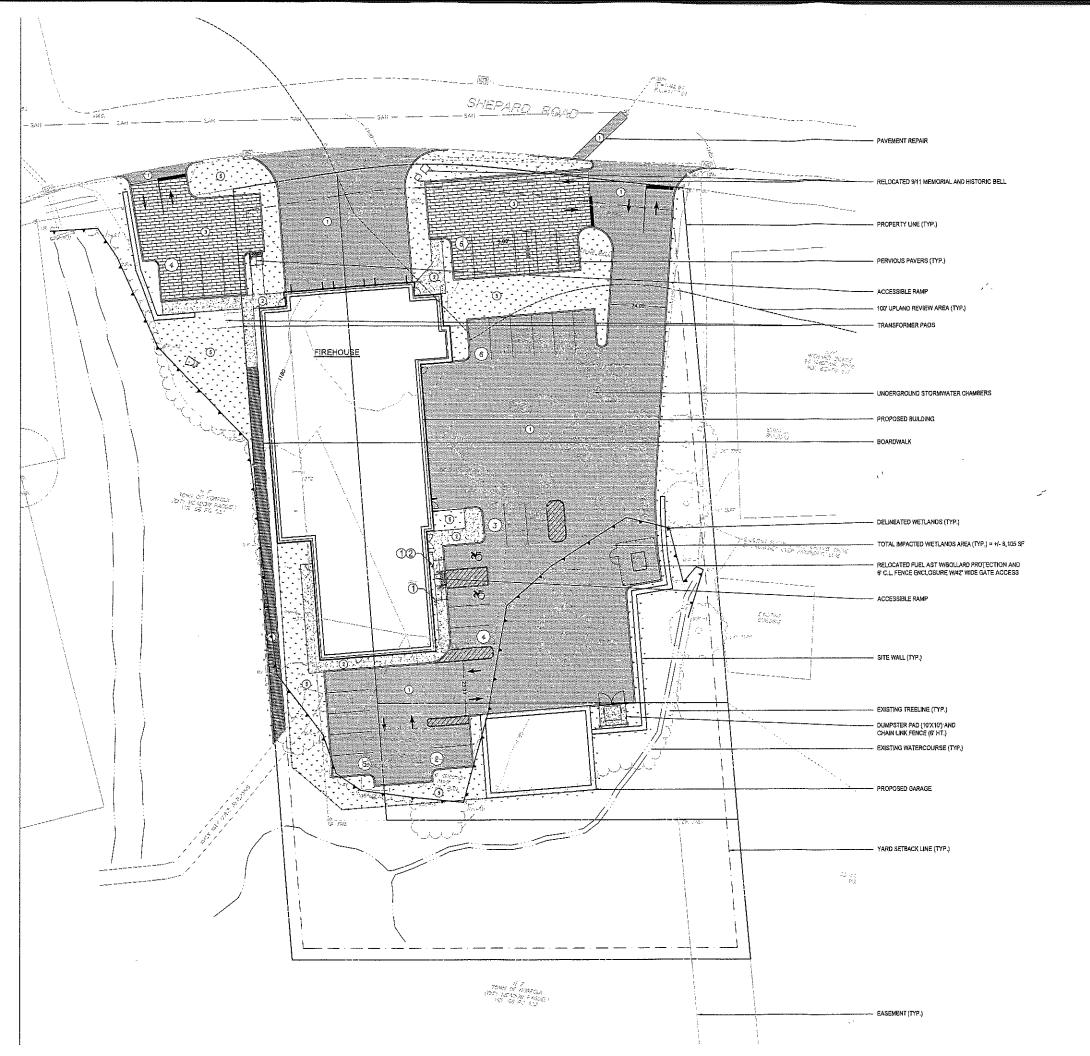
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ROJECT NO.: 70724.00 DATE: 7/28/2023

**EROSION CONTROL NOTES & DETAILS** 

HAY BALE BARRIER (HB)



| LEGEND     |                        |
|------------|------------------------|
|            | PROPERTY LINE          |
|            | SETBACK LINE           |
| 0          | BITUMINOUS CONCRETE    |
|            | CONCRETE PAVEMENT      |
| <u> </u>   | PERVIOUS PAVERS        |
| 4          | BOARDWALK              |
|            | TURF ESTABLISHMENT     |
| 5          | PROPOSED BUILDING      |
| \$ 1 1 1 × | PAINTED TRAFFIC ARROWS |
| (12)       | PARKING SPACE QUANTITY |
| 3 6        | HANOICAP RAMP TYPE 9   |
|            | HANDICAP RAMP TYPE C   |
|            | DELINEATED WETLANDS    |
|            | WATERCOURSE            |

### NOTES

- 1. 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.
- 3. CONTRACTOR TO SECURE ALL NECESSARY TRADS PERMITS.
- 4. NEW PAYEMENT TO MEET LINE & GRADE OF EXISTING PAYEMENTS.
  5. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE DUE TO CONSTRUCTION ACTIVITIES.
- LOAM AND SEED ALL DISTURBED AREAS NOT COVERED BY OTHER IMPROVEMENTS.

TREELINE

- 7. ALL LINES AND DIMENSIONSTARE PARALLEL OR PERPENDICULAR TO THE LINES FROM WHICH THEY ARE MEASURED.
- 8. ALL LOCATIONS WHERE EXISTING CURRING, BITUAINOUS CONCRETE ROADWAY OR CONCRETE ROADWAY OR CONCRETE SIDEWAY, ABUT NEW CONSTRUCTION, THE EGGE OF THE EXISTING DURB OR PAVEMENT SHALL BE SAW OUT TO PROVIDE A CLEAN, SMOOTH EDGE. TACK COAT EXPOSED EDGES OF EXISTING CONCRETE PRIOR TO PLACEMENT OF NEW BITUAINOUS CONCRETE PAVEMENT.
- FIELD ADJUSTMENT'S MUST BE APPROVED BY THE OWNER'S REPRESENTATIVE AND APPROPRIATE MUNICIPAL OR PRIOR TO CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE VERTICAL AND HORIZONTAL POSITION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL CONTROL OUST CAUSED BY HIS OPERATIONS BY APPLYING WATER OR DUST CALCIUM CHLORIDE.
- 12. CONTRACTOR SHALL CONTROL NOISE TO AS GREAT AN EXTENT AS POSSIBLE. ALL FOWER EQUIPMENT USED DURING CONSTRUCTION SHALL BE EQUIPPED WITH MUFFLERS.

- A 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 REPARED.
- OMMRE TO FIELD OF RACTIFIC APPLIED FRISHES SHALL BE REPARKED.

  EXPANSION AND SCORE JOINTS FOR NEW COMDIESTE WALKS SMUL BLEND TO MATCH ENSTING PATTERNS. CONTRACTOR TO ARRANGE TIMELY ON SITE COMPETENCES WITH LANDSCAPE ARCHITECT TO APPROVE LAYOUT OF JOINT PATTERNS.

  PROVIDE DEPARSION JOINTS FOR NEW CONCEPTE PAYING AT ALL UDIEST. THEE GRAFES MILLIONS MALLS, SITE WALLS, STRUB, STARS, LIGHT POLE BASES, MANACLES, GRATESYALL'ITS, EXISTING CONCEPTE PAYING, STOP LIGHTS, FIRE HYDRAHTS AND ALL OTHER FIXED MATERIALS, AWAMMAN DISTANCE ENTWENDED JOINTS OF JOINTS AND THE STRUBE HYDRAHTS AND ALL OTHER FIXED MATERIALS, AWAMMAN DISTANCE ENTWENDED JOINTS OF JOINTS AND THE STRUBE HYDRAHTS AND ALL OTHER FIXED MATERIALS, AWAMMAN DISTANCE ENTWENDED JOINTS OF JOINTS OF STEE MAPROVEMENTS IN THE FIELD.

| SIGN TABLE  |                      |   |  |  |  |  |  |  |
|-------------|----------------------|---|--|--|--|--|--|--|
| SIGN#       | MUTCD #<br>CONNDOT # | SIGN  |  |  |  |  |  |  |
| 1           | NA<br>31-0629(P)     | RESERVE<br>PARKING &<br>PARKING &<br>REGULARD<br>VICLIDIAN NA IN IN |  |  |  |  |  |  |
| <b>(2</b> ) | 87-8A                | VAN 6   |  |  |  |  |  |  |

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

12"



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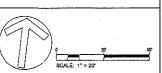
Prepared for:



TOWN OF NORFOLK

**VORFOLK FIRE DEPARTMENT** 

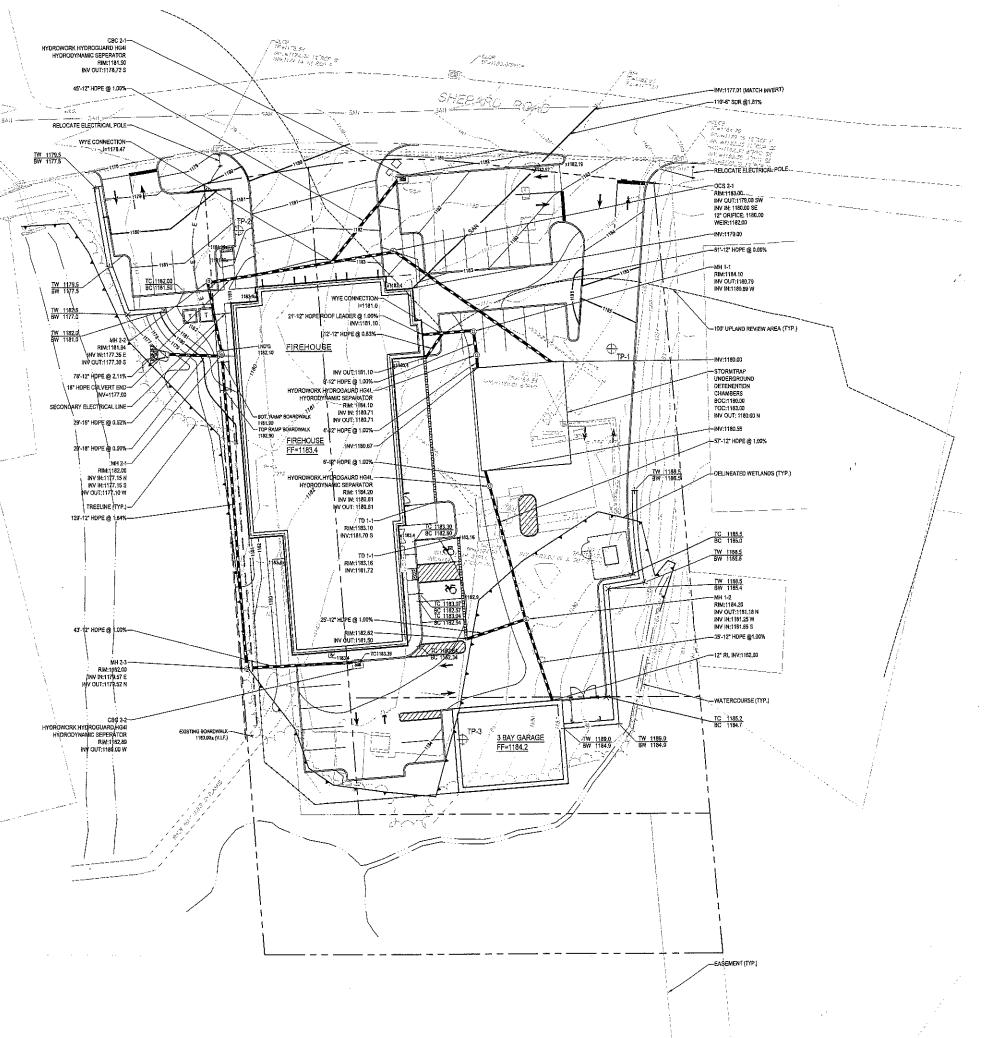
| TE: | REVISION: |  |
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PROJECT NO.: 70724.00 SCALE: 1"-20" DATE: 7/28/2023

SITE PLAN



### GRADING LEGEND

|  | PROPERTY LINE           |
|--|-------------------------|
| 1185   | MAJOR CONTOUR           |
| 1186   | MINOR CONTOUR           |
| <u> </u>   | PROPOSED DRAINAGE PIPE  |
| SAN  | SEWER LINE              |
| EE   | ELECTRICAL LINE         |
| <u> </u>   | DELINEATED WETLANDS     |
|  | WATERCOURSE             |
|  | EASEMENT                |
| المتدائل الم | TREELINE                |
|  | 100' UPLAND REVIEW AREA |
| 9  | PROPOSED AREA DRAIN     |
|  | PROPOSED CATCH BASIN    |
| ٥  | PROPOSED ORAINAGE MANHI |
| TC 1182.00<br>BC 1181.50 + 1183.4x   | PROPOSED SPOT GRACE     |
| ↔ ./   | FLUSH CONDITION         |
|  | SANITARY LINE           |
|  | WATER LINE              |
|  | EL COTTO                |

### DRAINAGE NOTES

- FUNCTIONAL COMPLETION OF STORM WATER DETENTION SYSTEMS AND STRUCTURES SHALL PRECEDE SITE DEVELOPMENT OF AREAS CONTRIBUTING TO THESE SYSTEMS.
- CERTIFIED 'AS-BUILTS' VS 'AS-APPROVED' PLANS OF THE STORM WATER DETENTION-DISCHARGE SYSTEM SHALL BE SUBMITTED FOLLOWING ITS CONSTRUCTION.

- ALL EXISTING LITILITY LINES TO BE ABANDONED SHALL BE ABANDONED ACCORDING TO UTILITY COMPAN REQUIREMENTS.
- 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 DIPECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE OWNER.
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEWATERING DURING THE EXECUTION OF HIS WORK
- THE LOCATION OF EXISTING UNDERGROUND UTILITIES IS DEVELOPED FROM THE SEST AVAILABLE INFORMATION. THE ACTUAL LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF EXCHANTION ACTUAL TO.

### 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 
   I NICH.
- 2. 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 ! INCH. 3. LANDINGS SHALL NOT HAVE A SLOPE GREATER THAN 1:50 (2%) IN ANY DIRECTION.
- 4. SLOPES WITHIN THE HCP PARKING SPACE SHALL NOT EXCEED 1:50 (2%) IN ANY DIRECTION.

### TEST PIT DATA:

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



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**TOWN OF NORFOLK** 

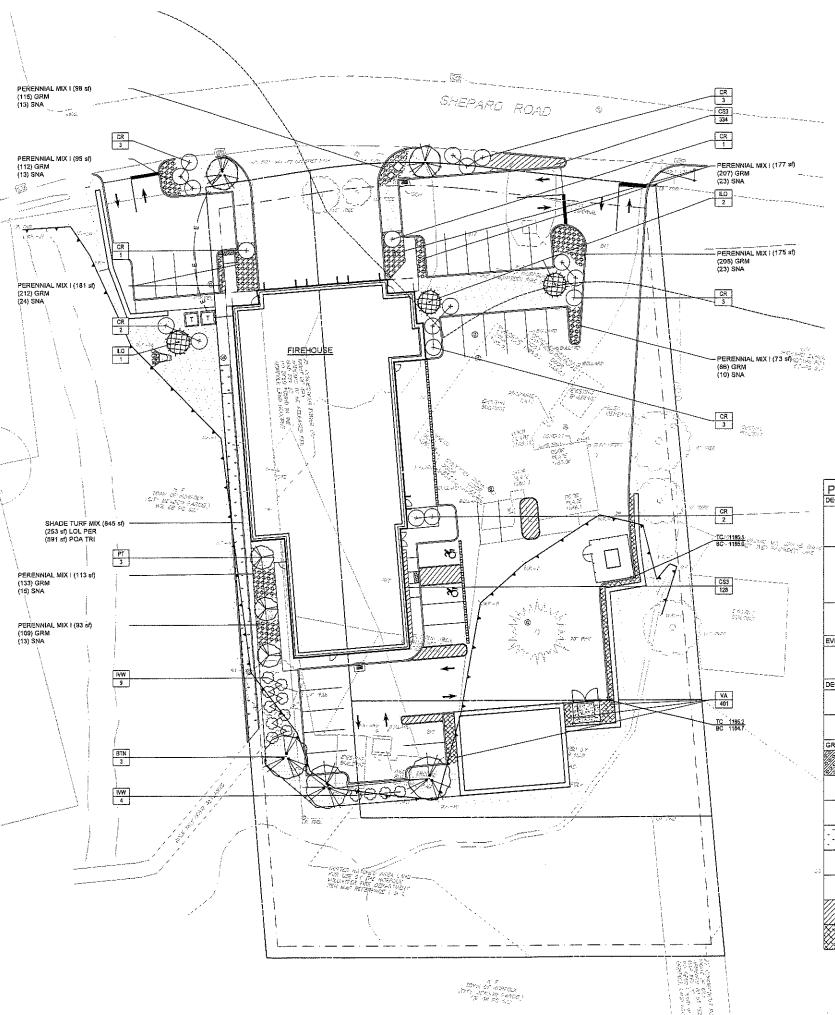
NORFOLK FIRE DEPARTMENT REVISION:





PROJECT NO.: 70724.00 SCALE: 1"=20" OATE: 6/23/2023 DRAWN BY: GSL CHECKED BY: WGW

SITE **GRADING & UTILITIES PLAN** 



| PLANT S     | SCHE        | OULF    |          |   |           |             |             |                |
|-------------|-------------|---------|----------|---|-----------|-------------|-------------|----------------|
| DECIDUOUS T |             | CODE    | QTY      | BOTANICAL / COMMON NAME                                 | CONT      | CAL         | SIZE        |                |
|             | $\geqslant$ | AML     | 2        | Amelanchler laevis I Allegheny Serviceberry Multi-Irunk | B & B     | MULTI-TRUNK | 8-10" ht.   |                |
|             |             | BTN     | 3        | Betula nigra / River Birch Multi-Trunk                  | B & S     | MULTI-TRUNK | 10-12' HT.  |                |
| <b>E</b>    | }           | PT      | 3        | Populus tremuloides / Quaking Aspen                     | B & B     | 2.5-3" cal. | 8-10" HL    |                |
| EVERGREEN T | rrees       | C00E    | QTY      | BOTANICAL / COMMON NAME                                 | CONT      | CAL         | SIZE        |                |
| #           | <b>)</b>    | ILO     | 3        | llex opaca / American Holly                             | 8 & 8     | 2.5-3" cal. | 6 - 8" HT.  |                |
| DECIDUOUS S | HRUBS       | CODE    | QTY      | BOTANICAL / COMMON NAME                                 | SIZE      | HEIGHT      | SPREAD      |                |
| +           | )           | CR      | 18       | Cornus serices / Red Twig Dogwood                       | 5 gal     | 2-4" ht.    | 3-5" spr.   |                |
| 0           |             | IVW     | 13       | Ilex verticillata "Winter Red" / Winter Red Holly       | 5 gai     | 3-4" ht.    | 3-4` spr.   |                |
| GROUND COV  | ERS         | 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      | Symphyotrichum 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 pensylvanica / Pennsylvania Sedge                 | SP4 CONT. | 6-12" ht    | 6-12" spr.  | 9" o.c.        |
|             |             | VA      | 401      | Vinca minor 'Alba' & 'Bowles' / Periwinkle              | PLUG      | ТОР         | 4-6" spr.   | 12" o.c.       |



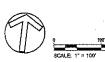
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Prepared for:



# NORFOLK FIRE DEPARTMENT

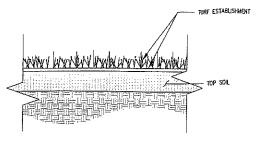
TOWN OF NORFOLK





SCALE: AS SHOWN DATE: 7/28/2023

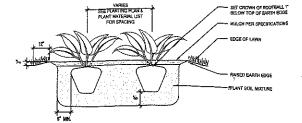
**LANDSCAPE** PLAN

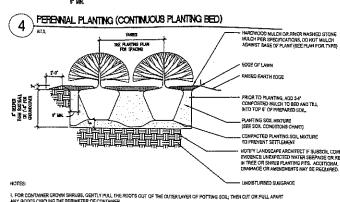


NOTES: ERNEST CONSERVATION SEEDS

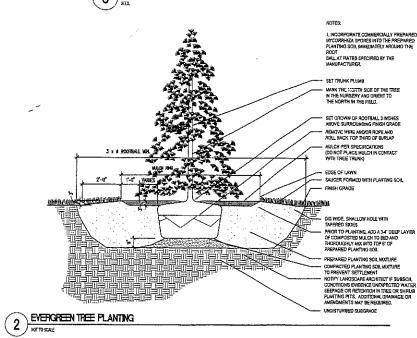
5311 CONSERVATION MIX — ERNMX — 114: CREEPING RED FESCUE (FESTUCA RUBRA — 30.00%), KENTUCKY BLUEGRASS, 'BAROM' (POA PRATENSIS, 'BOROM' — 25.00%), KENTUCKY BLUEGRASS, 'KELLY' (POA PRATENSIS, 'KELLY' — 25.00%), ANNUAL RYEGRASS (LOLIUM MULTIFLORUM — 10.00%), PERENNIAL RYEGRASS, 'CONFETTI III' (LOLIUM PERENNE, 'CONFETTI III' — 10.00%), SEEDING RATE: 100—200 LB PER ACRE, OR 3—5 LB PER 1,000 SQ FT

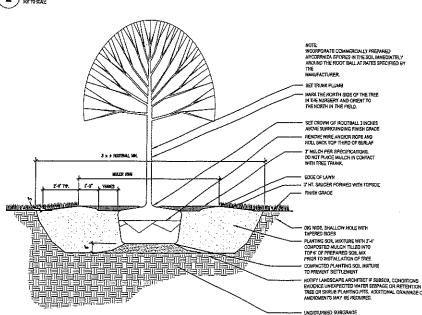
5 GRASS TURF SCALE: NONE



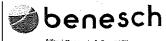


1. FOR CONTAINER GROWN SHOURS, GENTLY PILL THE ROOTS OUT OF THE CUTER LAYER OF POTTING SOIL; THEN CIT OR PULL APART
ANY ROOTS CIRCLING THE PERIMETER OF CONTAINER.
2. FOR BASE PHILES FILLD PRILEY PROVITED OF BROYT SHALL DOWN TO GROUND.
3. INCORPORATE COMMERCIALLY PROPARED INYCORRHIZA SPORES BY THE SOIL INHEDIATELY AROUND THE ROOT BALL AT RATES
SPECIMED BY THE MANUFACTURES.
4. CONFRON THAY WATER GRAINS CUT OF THE SOIL CURING THE DEBIGN PHASE, DESIGN ALTERNATIVE DRAINING SYSTEMS, AS REQUIRED. 3 SHRUB PLANTING BED.





DECIDUOUS TREE PLANTING



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### **TOWN OF NORFOLK**

NORFOLK FIRE DEPARTMENT

REVISION:

20 SHEPARD ROAD

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| KEY PLAN |  |
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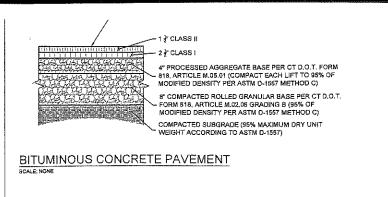
PROJECT NO.:-70724.00 SCALE: AS SHOWN DATE: 7/28/2023

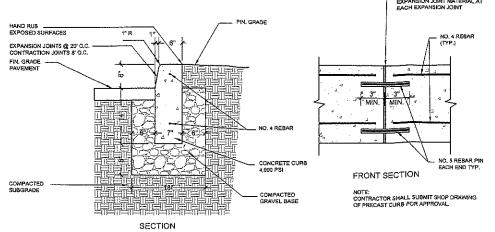
CHECKED BY: END

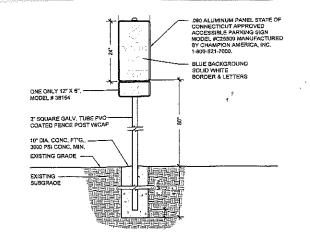
**PLANTING** 

**DETAILS** 

DRAWING NO.:

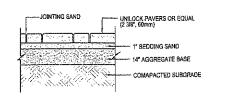




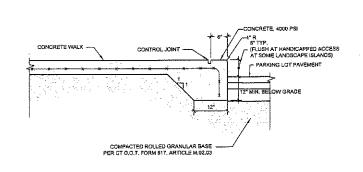


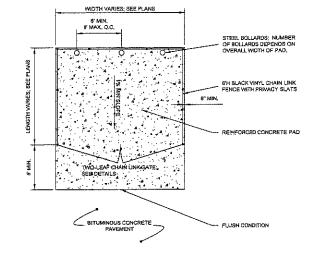
- HANDICAP PARKING SIGN BOLLARD OFFSET 1' FROM FACE OF CURB —





### PARKING/DRIVE BLOCK PAVERS

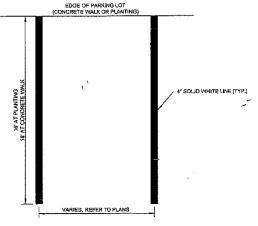


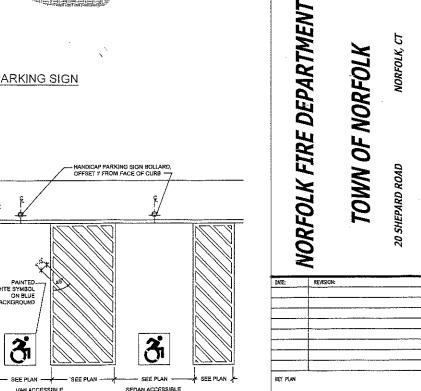


PRECAST CONCRETE CURB

**DUMPSTER PAD** 

**CONCRETE PAD** 

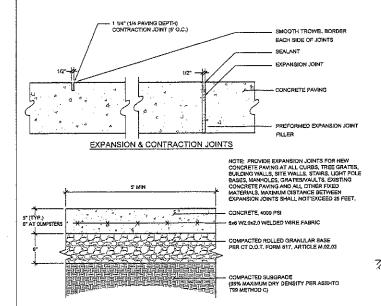


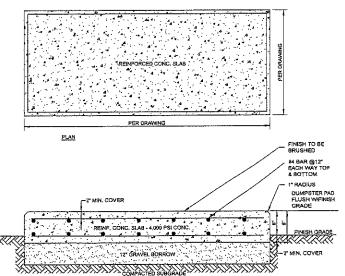


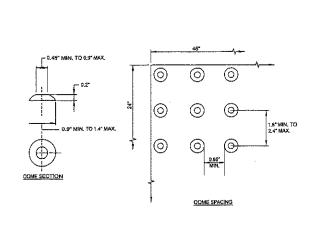
SREAKAWAY SIGN POST

SLEEVE FOR PAVED AREAS ONLY

### INTEGRAL CONCRETE CURB AT WALK







### SECTION A-A 50 - 3/6" DIAMETER HOLES AT 1"

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

SITE DETAILS

DETECTABLE WARNING

TYPICAL SIGN SUPPORT - BREAKAWAY

SIGN POST

MOUNTING HEIGHT

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**TOWN OF NORFOLK** 

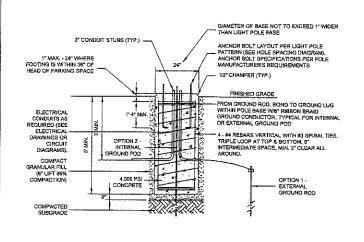
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C-5.0

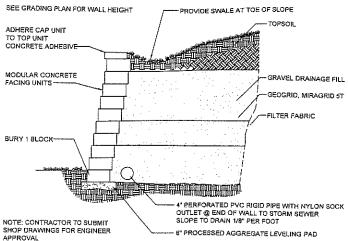
DRAWN BY: JHL CHECKED BY: WOW

### CONCRETE WALK

VHITE SYMBOL ON BLUE BACKGROUND SEDAN ACCESSIBLE HANDICAP SPACE & AISLE VAN ACCESSIBLE HANDICAP SPACE & AISLE HANDICAP PARKING STALL LAYOUT STANDARD PAINTED PARKING MARKINGS



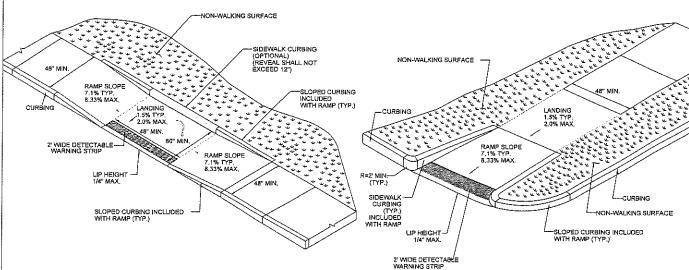
PARALLEL RAMP WITHOUT NON-WALKING SURFACE



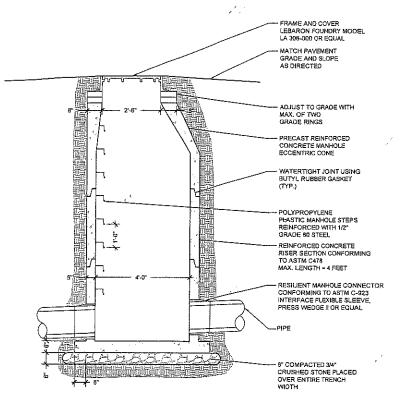
LIGHT POLE BASE

(CONNDOT TYPE 9)
SCALE: NONE

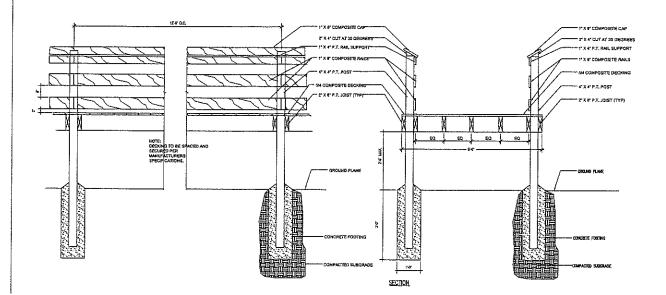
MODULAR CONCRETE BLOCK RETAINING WALL

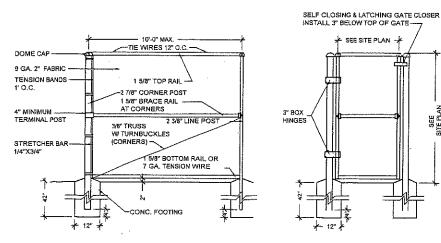


SINGLE DIRECTION - RETURN CURB WITH NON-WALKING SURFACE (CONNDOT TYPE 16)
SCALP-NONE



DRAIN MANHOLE







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Prepared for:



## VORFOLK FIRE DEPARTMENT

TOWN OF NORFOLK
20 SHEPARD ROAD

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| DATE:    | REVISION: | <br>  |
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| KEY PLAN |           |       |

KEY

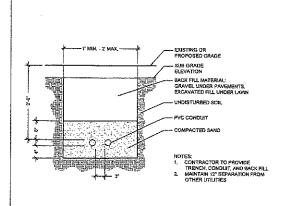


PROJECT NO.: 70724.00 SCALE: AS SHOWN DATE: 7/28/2023

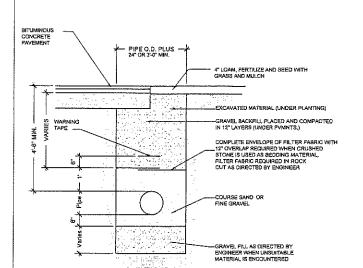
CHECKED BY: NOW

SITE DETAILS

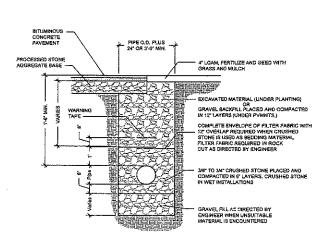
DRAWING NO

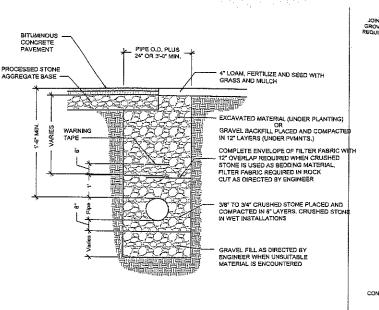


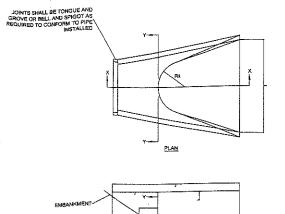
### **ELECTRICAL TRENCH** SCALE: NONE

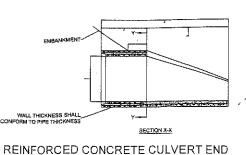


### WATER TRENCH SCALE: NONE



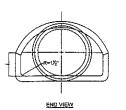






|      | CULVERT END |        |         |          |       |            |                | ONE LAYER ONLY IN CENTER<br>OF WALL |  |       |
|------|-------------|--------|---------|----------|-------|------------|----------------|-------------------------------------|--|-------|
| OIA, | А           | В      | С       | 0        | E     | F          | R <sub>1</sub> | Ft2                                 | MIN. AREA OF N<br>LONG. STEEL<br>SQ. IN, PER FT. | STEEL |
| 127  | 4"          | 2'-0"  | 4'-0%   | 6'-0'%"  | 2'-0" | 1'-713/14" | 10%"           | g"                                  | 0.048  | 0.048 |
| 15"  | 6"          | 2'-3"  | 3'-10"  | 8'-1"    | 2'-5" | 2'-0%      | 1'-0/4"        | 11"                                 | 0.054  | 0.054 |
| 18"  | 9"          | 2'-3"  | 3'-10"  | 8"-1"    | 3'-0" | 2'-5"      | 1"-3/5"        | 1'-0"                               | 0.060  | 0.060 |
| 21"  | 9°          | 2'-11" | 3'-2"   | 6'-1"    | 3'-6" | 2'-7%      | 1'-4"          | 1'-1"                               | f 0,066  | 0.066 |
| 24"  | 95"         | 3'-7%  | 2'-8"   | 8'-11/2" | 4'-0" | 2'-9%,"    | 1'-4'7/10"     | 1'-2"                               | 0.072  | 0.072 |
| 30"  | 1'-0"       | 4.5    | 1'-7%"  | 6'-174"  | 5-0"  | 3'-1"      | 1'-6/\2"       | 1'-3"                               | 0,084  | 0.084 |
| 36"  | 1'-3"       | 5'-3"  | 2'-10%" | B'-13/4" | 6'-0° | 3'-11"%"   | 2'-0%,"        | 1'-8"                               | 0.096  | 0.096 |
| 42*  | 1'-9"       | 5-3"   | 2'-11"  | 8'-2"    | 8'-5" | 4'-57/     | 2-3/2"         | 1'-10"                              | 0.108  | 0.108 |
| 48"  | 2'-0"       | 61-01  | 2'-2"   | 8'-2"    | 7"-0" | 4"-8]/2"   | 2'-41/2"       | 11-10h                              | 0.120  | 0.120 |
| 54"  | 2'-3"       | 5'-5"  | 2'-11"  | ð'-4"    | 7'-6" | 5'-5K"     | 2'-916"        | 2'-0"                               | 0.132  | 0,132 |
| 60"  | 2'-9"       | 5'-0"  | 3'-3"   | 8'-3"    | 8'-0" | 6'-0\4"    | 3-01Xa"        | 2'-0"                               | 0.144  | 0.144 |

DIMENSIONS FOR REINFORCED CONCURS.



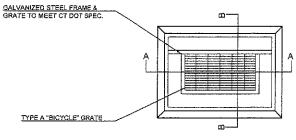


GRADE RING TOP - TYPE 'CL

> DESIGN LOADING AASHTO H-20-44 PRE-CAST CONCRETE, 4,000 PSI MIN. IN PAVEMENT AREAS THE NORMAL CROSS SLOPE OF THE GUTTER SHALL BE VARIED TO MATCH THE CROSS SLOPE OF THE GRATE.

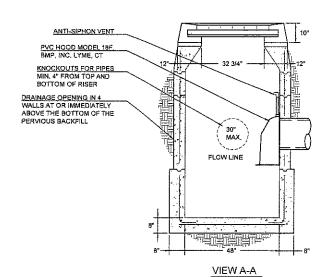
THE TOP OF THE SUMP UNIT SHALL BE A MINIMUM OF 6" BELOW THE LOWEST INVERT.

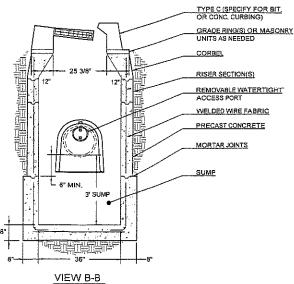
SCALE: NONE STM-115-CT

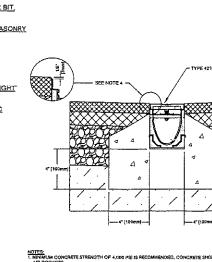


STORM TRENCH

SCALE: NONE







TOTAL STAIR

NOTE:

1. MINIMUM CONCRETE STRENGTH OF 4,000 PSI IS RECOMMENDED, CONCRETE SHOULD BE VIBRATED TO ELIMINATE

2. MINIMUM CONCRETE STRENGTH OF 4,000 PSI IS RECOMMENDED, CONCRETE SHOULD BE VIBRATED TO ELIMINATE

AND CONCRETE SHARDING, ENGINEETING ADVICE MAY BE REQUIRED.

3. HE PINISHED LEVE OF THE CONCRETE SHARDING ADVICE MAY BE REQUIRED.

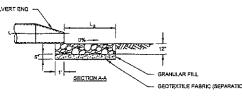
3. HE PINISHED LEVE OF THE CONCRETE SHARDING MUST BE APPROXIMATED AND FOR THE TOP OF THE CHANNEL EDGE.

4. CONCRETE BASE THOORESS SHOULD MATCH SHAR THICKNESS, ENGINEERING ADVICE MAY 96 REQUIRED TO

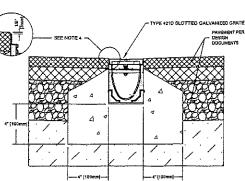
DETERMINE PROPRIED CAD CLASS.

5. REFER TO MANUFACTORERS INSTALLATION INSTRUCTIONS FOR PURITHER DETAILS.

CULVERT END PLAN VIEW



### RIP RAP OUTLET PROTECTION



SPECIFICATION CLAUSE LOAD CLASS A



Alfred Benesch & Company 120 Hebron Avenue, 2nd Floor Glastonbury, Connecticut 06033

FLARE REINFORCEMENT



**TOWN OF NORFOLK** 

20 SHEPARD ROAD

NORFOLK FIRE DEPARTMENT KEY PLAN

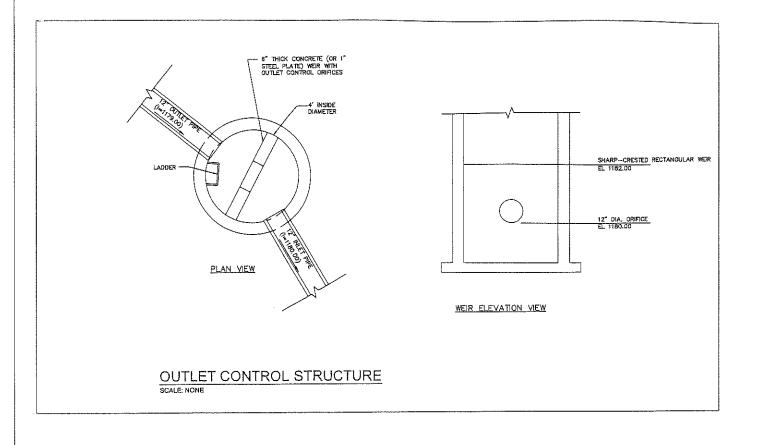
ROVECT NO.: 70724,00 SCALE: AS SHOWN DATE: 7/28/2023

CHECKED BY: WGW

SITE DETAILS

PRE-CAST CATCH BASIN

CT DOT



benesch

Alfred Benesch & Company 120 Hebron Avenue, 2nd Floor Glastonbury, Connecticut 06033 860-633-8341

Prepared for:



TOWN OF NORFOLK

20 SHEPARD ROAD

NORFOLK FIRE DEPARTMENT

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

SITE DETAILS