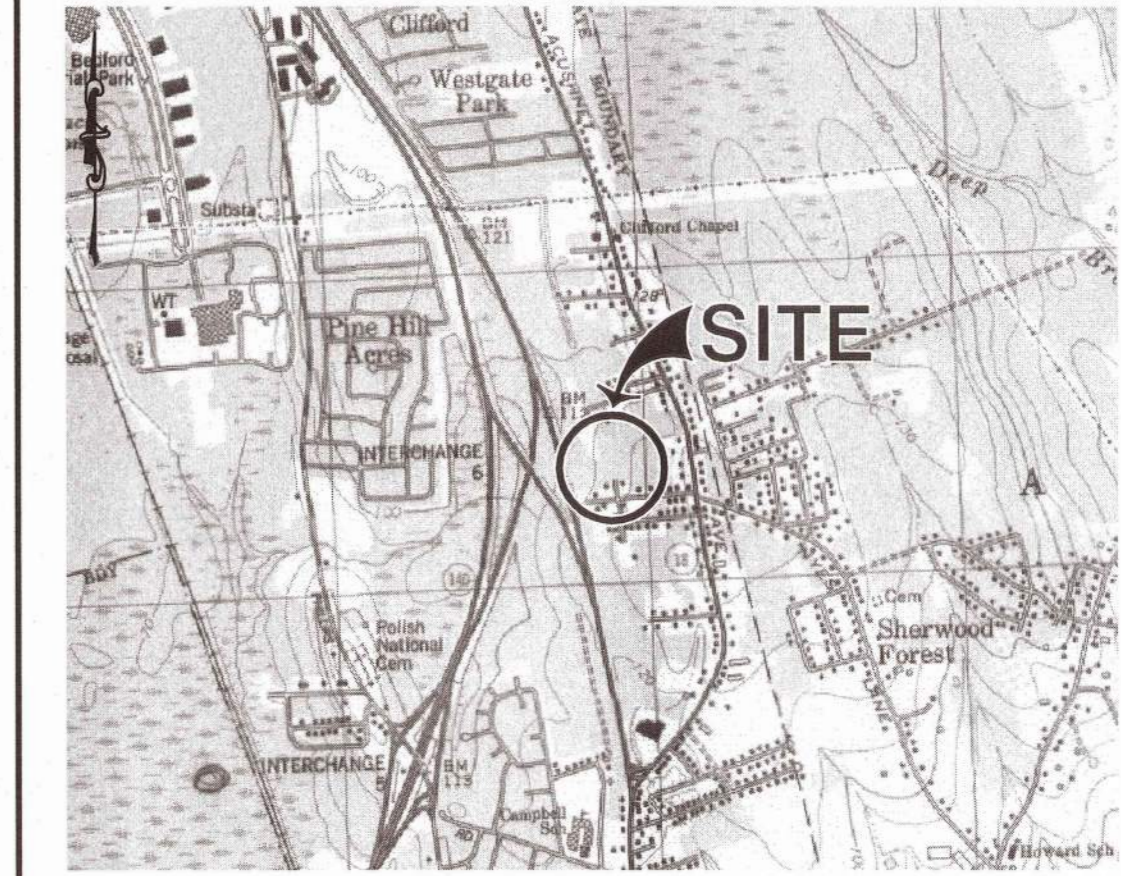
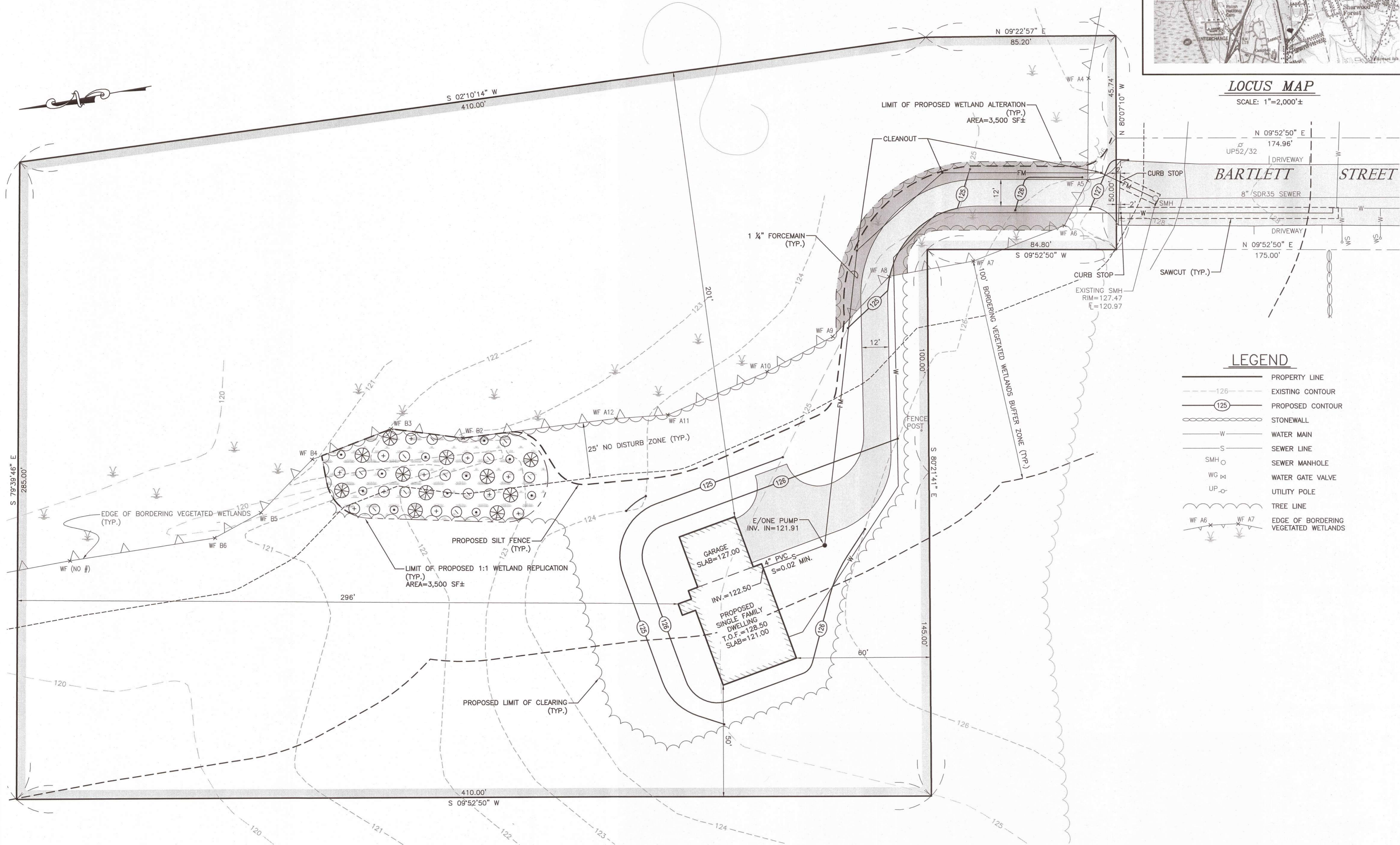


**OWNER/APPLICANT:**  
 NEW HOEMS BY CASTELO, INC.  
 1815 ACUSHNET AVENUE  
 NEW BEDFORD, MA 02745

- (+) (11) BLACK GUM (NYSSA SYLVATICA)
  - 4" (MIN.) PLANTING HEIGHT
- (\textcircled{+}) (11) RED MAPLE (ACER RUBRUM)
  - 4" (MIN.) PLANTING HEIGHT
- (\textcircled{\cdot}) (11) WINTERBERRY (ILEX VERTICILLATA)
  - 2 GALLON CONTAINER
- (\textcircled{X}) (11) Highbush Blueberry (VACCINIUM CARYMBUSOM)
  - 2 GALLON CONTAINER



**LOCUS MAP**  
 SCALE: 1"=2,000'±



**LEGEND**

- PROPERTY LINE
- - - - - EXISTING CONTOUR
- (125) PROPOSED CONTOUR
- ○ ○ ○ ○ STONEWALL
- W WATER MAIN
- S SEWER LINE
- ○ ○ ○ ○ SMH SEWER MANHOLE
- W G WATER GATE VALVE
- UP ○ UTILITY POLE
- TREE LINE
- WF A6 WF A7 EDGE OF BORDERING VEGETATED WETLANDS



Appd. By	Chkd. By	Revision Description	Date	No.

scale: 1"=20'  
 date: AUGUST 02, 2021  
 drawn: AUC  
 checked: SDG  
 approved: SDG  
 sheet 1 of 2  
 drawing number: SL-1

project: BARTLETT STREET ASSESSOR'S MAP 134 LOT 307 NEW BEDFORD, MASSACHUSETTS  
 client: NEW HOEMS BY CASTELO, INC.  
 drawing title: SITE LAYOUT



**SITEC**

448 Frazee Center Road - Dummerston, MA 02747  
 P.O. Box 108 - Dummerston, MA 02746  
 www.sitec.com

Acad No. NB 311-027 SLDWG  
 File No. 311-027

## PROPOSED WETLANDS REPLICATION

THE CONSERVATION AGENT SHALL BE GIVEN 48 HOURS PRIOR NOTICE TO THE BEGINNING OF THE CONSTRUCTION OF THE REPLACEMENT AREA. THE CONSERVATION AGENT SHALL MEET WITH THE CONSTRUCTION ENGINEER/CONTRACTOR AND THE WETLAND PROFESSIONAL PRIOR TO THE ONSET OF CONSTRUCTION OF THE REPLACEMENT AREA TO GO OVER THE PLANS, SPECIAL CONDITIONS AND CONSTRUCTION METHODOLOGY.

### OBJECTIVES AND WORK SCHEDULE

THE OVERALL OBJECTIVE IS TO REPLACE 3,500 SF ± OF A BORDERING VEGETATED WETLANDS (BWV) AREA WITH APPROXIMATELY 3,500 SF OF REPLICATION. THIS RESTORATION AREA WILL BE ESTABLISHED WITHIN SIXTY (60) DAYS OF THE ISSUANCE OF A FINAL ORDER OF CONDITIONS, WEATHER CONDITIONS PERMITTING. THIS WORK WILL BE CONSIDERED COMPLETE IF AT LEAST 75 PERCENT OF THE PLANTED VEGETATION IS SUCCESSFULLY ESTABLISHED AFTER THE END OF THE SECOND GROWING SEASON.

### EROSION CONTROL

PRIOR TO THE BEGINNING OF THE RESTORATION WORK, A SILT FENCE EROSION CONTROL BARRIER WILL BE INSTALLED ALONG AND ABOVE THE EDGE OF BWV, DOWNGRADIENT OF ALL WORK AREAS. THE EROSION CONTROL BARRIER WILL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD PRACTICES.

### EXCAVATION AND GRADING OF REPLICATION AREAS

THE ORGANIC TOPSOIL WITHIN THE ALTERED WETLANDS AREA WILL BE STOCKPILED FOR REUSE IN THE REPLICATION AREA. THE RESULTING SURFACE EDGE BETWEEN THE REGRADED RESTORATION AREA AND THE EXISTING WETLANDS WILL BE THE SAME ELEVATION. THE IMPORTED ORGANIC TOPSOIL WILL BE GRADED THROUGHOUT THE RESTORATION AREA TO THE ELEVATIONS SHOWN ON THE PLAN. THE FINAL ELEVATIONS OF THE WETLAND REPLICATION AREA SHALL BE SHOWN ON AN AS-BUILT PLAN (0.50' CONTOURS) AND STAMPED BY A MASSACHUSETTS PROFESSIONAL LAND SURVEYOR. A COPY OF THE STAMPED AS-BUILT SHALL BE PROVIDED TO THE NEW BEDFORD CONSERVATION COMMISSION FOR ACCEPTANCE PRIOR TO THE WETLANDS PLANTINGS.

### PLANT LIST

THE WETLAND REPLICATION AREA SHALL BE PLANTED DURING THE SPRING (APRIL 1 THROUGH JUNE 15) OR FALL (AUGUST 15 THROUGH SEPTEMBER 30) PLANTING SEASON.

- |                                      |  |
|--------------------------------------|--|
| (11) BLACK GUM (NYSSA SYLVATICA)     | (11) RED MAPLE (ACER RUBRUM)                   |
| • 4' (MIN.) PLANTING HEIGHT          | • 4' (MIN.) PLANTING HEIGHT                    |
| (11) WINTERBERRY (ILEX VERTICILLATA) | (11) Highbush Blueberry (VACCINIUM CARYMBUSUM) |
| • 2 GALLON CONTAINER                 | • 2 GALLON CONTAINER                           |

PLANTS SHALL BE MIXED AND EVENLY SPACED WITHIN THE REPLICATION AREA.

### PLANTING SPECIFICATIONS - HERBACEOUS SPECIES

UPON COMPLETION OF THE REGRADED AND PLANTING, A WETLAND SEED MIX WITH FINE MULCH WILL BE SPREAD (OR HYDROSEED) WITH THE FOLLOWING:

NEW ENGLAND WET MIX (WETLAND SEED MIX)  
 SUPPLIER: NEW ENGLAND WETLAND PLANTS, INC.  
 820 WEST STREET  
 AMHERST, MA 01002  
 (413)548-8000

SITEC, INC. / CEC, INC. IS PROPOSING THIS MIXTURE FOR QUICK ESTABLISHMENT THE FIRST YEAR. APPLICATION RATE SHALL BE AS SPECIFIED BY THE SUPPLIER. THE SEED MIXTURE WILL BE SPREAD EVENLY THROUGHOUT THE RESTORATION AREA, AROUND THE PLANTED WETLAND SHRUBS. IT WILL BE WORKED INTO THE TOP ¼ INCH OF THE SOIL AND ROLLED. MULCH WILL THEN BE APPLIED TO COVER ALL SEED SOIL SURFACES.

### MONITORING & REPORTING

WE PROPOSE TO NOTIFY THE CONSERVATION COMMISSION IN WRITING TWO WEEKS AFTER COMPLETION OF REGRADED AND PLANTING OF THE OF THE WETLAND REPLICATION AREA. AN AS-BUILT PLAN PREPARED AND STAMPED BY A MASSACHUSETTS PROFESSIONAL LAND SURVEYOR (0.5' CONTOURS) SHALL BE PROVIDED TO THE MATTAPOISETT CONSERVATION COMMISSION FOR ACCEPTANCE PRIOR TO THE WETLAND PLANTINGS.

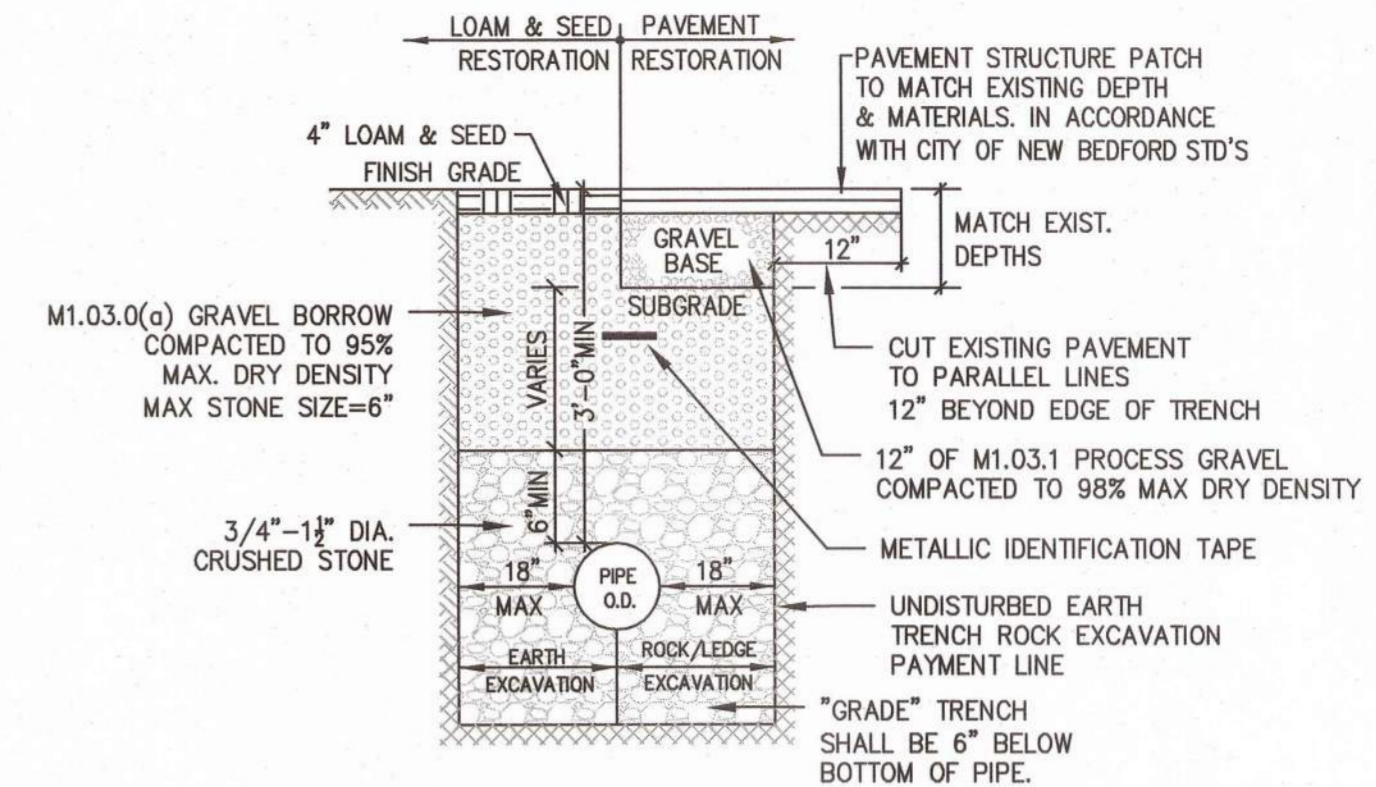
IN COMPLIANCE WITH 310 CMR 10.55(4), THE WETLAND PROFESSIONAL SHALL SUBMIT MONITORING REPORTS DOCUMENTING THE SUCCESS OF THE WETLAND REPLICATION AREAS. THESE REPORTS SHALL DOCUMENT THE ESTABLISHMENT OF AT LEAST 75% COVERAGE OF INDIGENOUS WETLAND PLANTS WITHIN THE REPLICATION AREA. THESE REPORTS SHALL BE PROVIDED AT THE END OF CONSTRUCTION AND ONCE A YEAR FOR TWO YEARS. THE CONSERVATION COMMISSION RESERVES THE RIGHT TO REQUEST ADDITIONAL SEEDING OR PLANTING TO GUARANTEE THE SUCCESS OF THE REPLICATION AREAS. PROPOSED SHRUB AND TREE PLANTINGS THAT DIE DURING THIS TIME PERIOD SHALL BE REPLACED. THE REPORTS SHALL ALSO DOCUMENT THE PRESENCE OF INVASIVE SPECIES WITHIN THE REPLICATION AREA AND RECOMMEND CONTROL METHODS FOR IMPLEMENTATION.

### QUALITY CONTROL

ALL WORK SHALL BE CARRIED OUT BY A QUALIFIED NURSERY, UNDER THE DIRECT SUPERVISION OF A SITEC, INC. WETLANDS SCIENTIST. THE RESUME OF THE WETLAND SPECIALIST WHO WILL OVERSEE CONSTRUCTION OF THE REPLICATION AREA SHALL BE FORWARDED TO THE CONSERVATION COMMISSION FOR ACCEPTANCE TWO WEEKS PRIOR TO INITIATION OF THE REPLICATION ACTIVITIES.

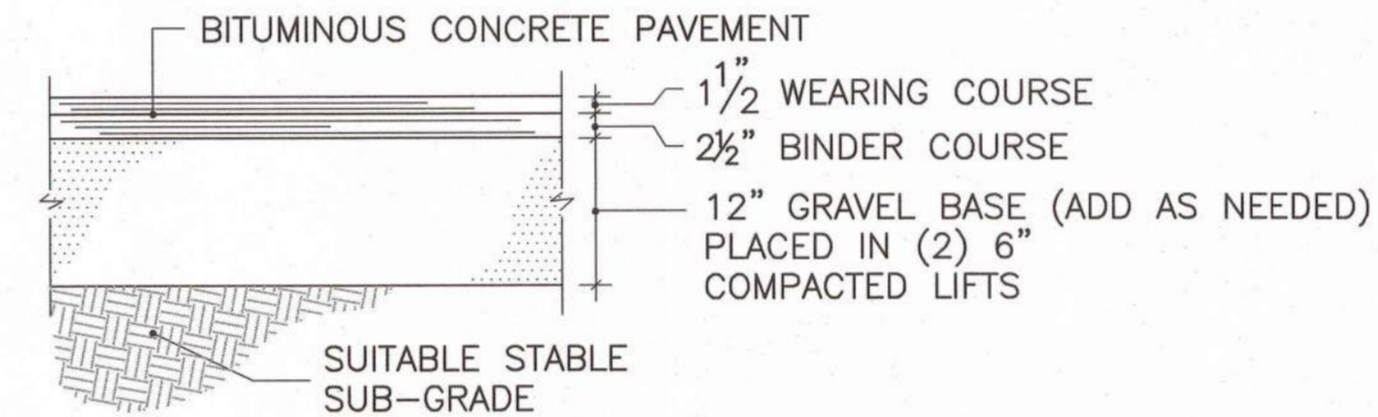
## GENERAL NOTES:

- CONTRACTOR SHALL NOTIFY DIG SAFE AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
- CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES PRIOR TO THE START OF CONSTRUCTION. THESE PLANS ARE BASED ON FIELD AND RECORD INFORMATION AND, THEREFORE, MAY NOT COMPLETELY DEPICT ALL EXISTING UTILITIES.
- CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER IMMEDIATELY IF FIELD CONDITIONS ARE FOUND TO DIFFER WITH THESE DRAWINGS.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION OF THE ADJUTING AREA AND UTILITIES IN THE CONSTRUCTION OF THIS SITE. REPAIR OF DAMAGED PROPERTY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO COST TO THE OWNER.
- THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETING ALL CONSTRUCTION.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE DEPARTMENT OF PUBLIC INFRASTRUCTURE CONSTRUCTION SPECIFICATIONS, LATEST REVISION.
- ALL CONSTRUCTION SHALL COMPLY WITH THE CITY OF NEW BEDFORD DPI STANDARDS.
- SEWER PERMIT MUST BE OBTAINED FROM THE DEPARTMENT OF PUBLIC INFRASTRUCTURE (DPI) ENGINEERING DIVISION BY OWNER.
- ALL UTILITY WORK TO BE CONDUCTED PER DPI SPECIFICATION.
- THE DEVELOPER AND SITE CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE DEPARTMENT OF PUBLIC INFRASTRUCTURE PRIOR TO START OF CONSTRUCTION.
- UPON COMPLETION OF THE SEWER MAIN INSTALL, THE ENGINEER MUST SUBMIT AS-BUILT DRAWINGS TO DPI PRIOR TO THE ISSUANCE OF THE SEWER SERVICE PERMIT FOR 732 MT. PLEASANT STREET.

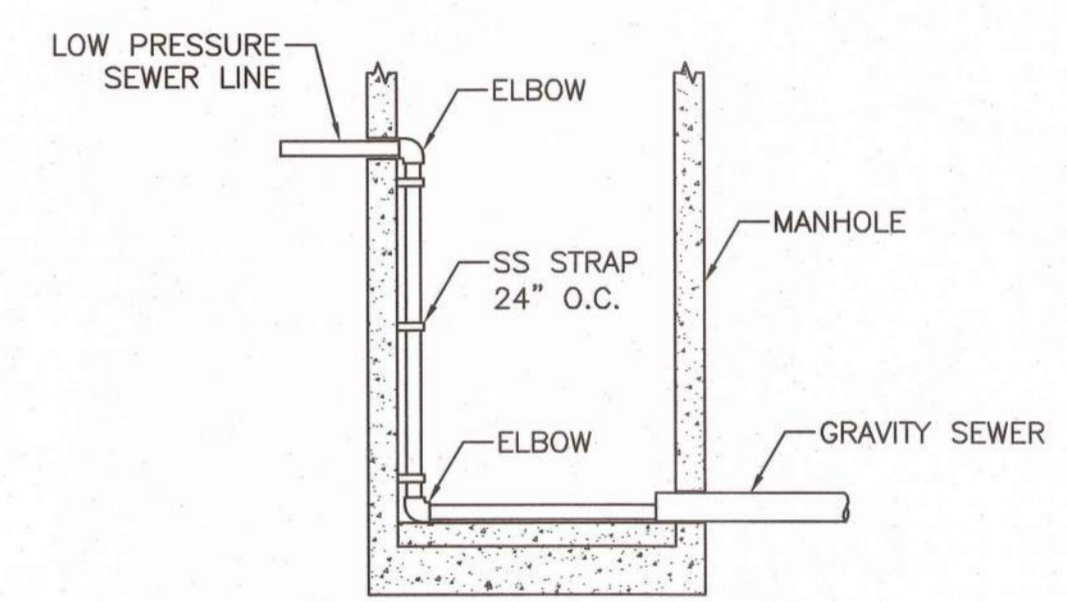


- NOTES:**
- SEE UTILITY TRENCH DETAIL FOR BACKFILLING OVER NEWLY INSTALLED MAINS OR SERVICES WITHIN EXISTING ROADWAYS.
  - DUCTILE IRON PIPE SHALL BE USED FOR SHALLOW INSTALLATIONS. (LESS THAN 3'). NO SEWER MAIN OR SEWER SERVICE SHALL BE INSTALLED WITH LESS THAN THREE (3) FEET OF COVER, UNLESS GRANTED WRITTEN APPROVAL BY THE DIRECTOR OR HIS DESIGNEE.
  - METALLIC 3" WIDE DETECTABLE IDENTIFICATION TAPE SHALL BE INSTALLED OVER SEWER LINES 12" BELOW FINISH GRADE.

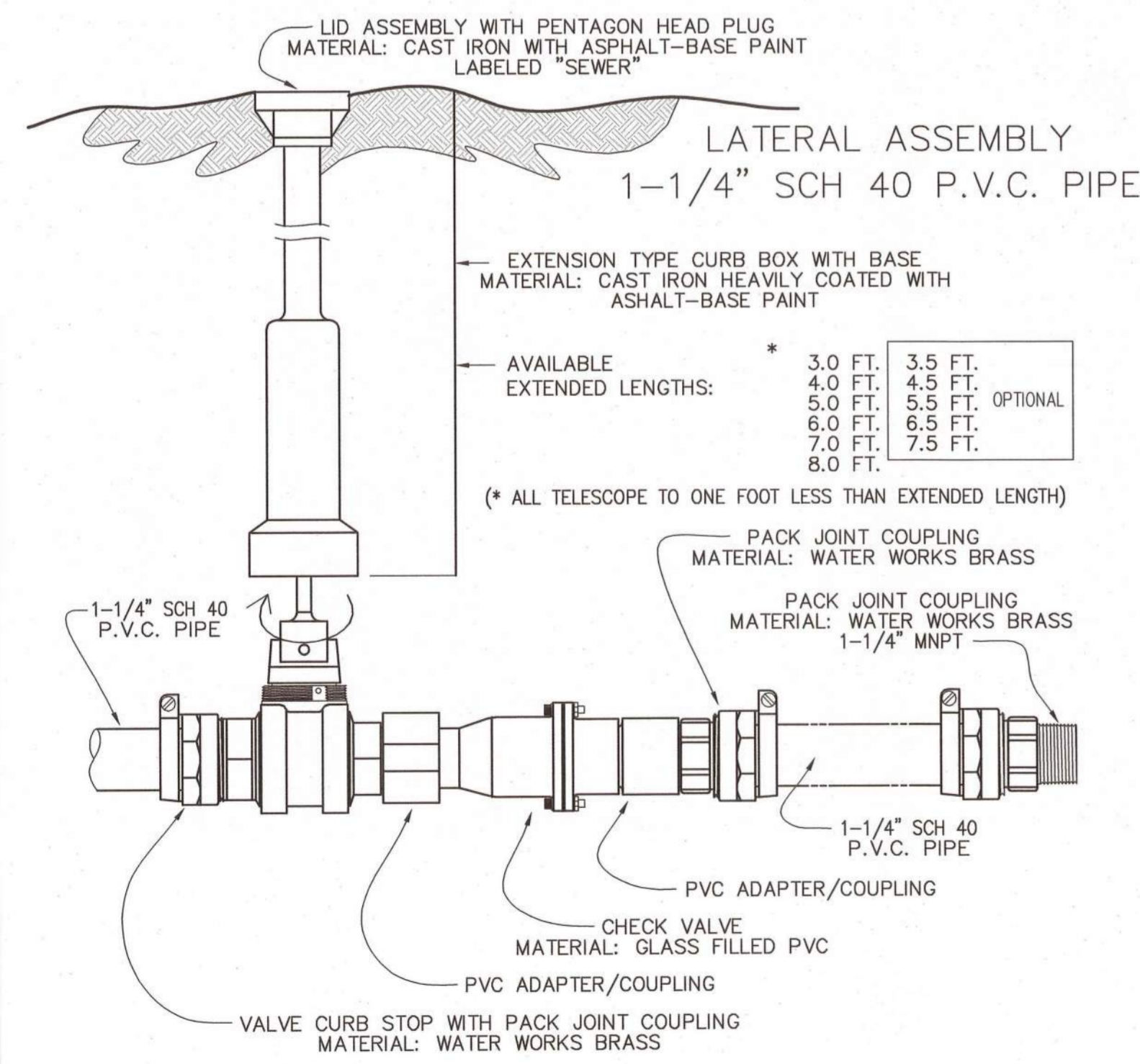
**TYPICAL SEWER TRENCH DETAIL**  
NOT TO SCALE



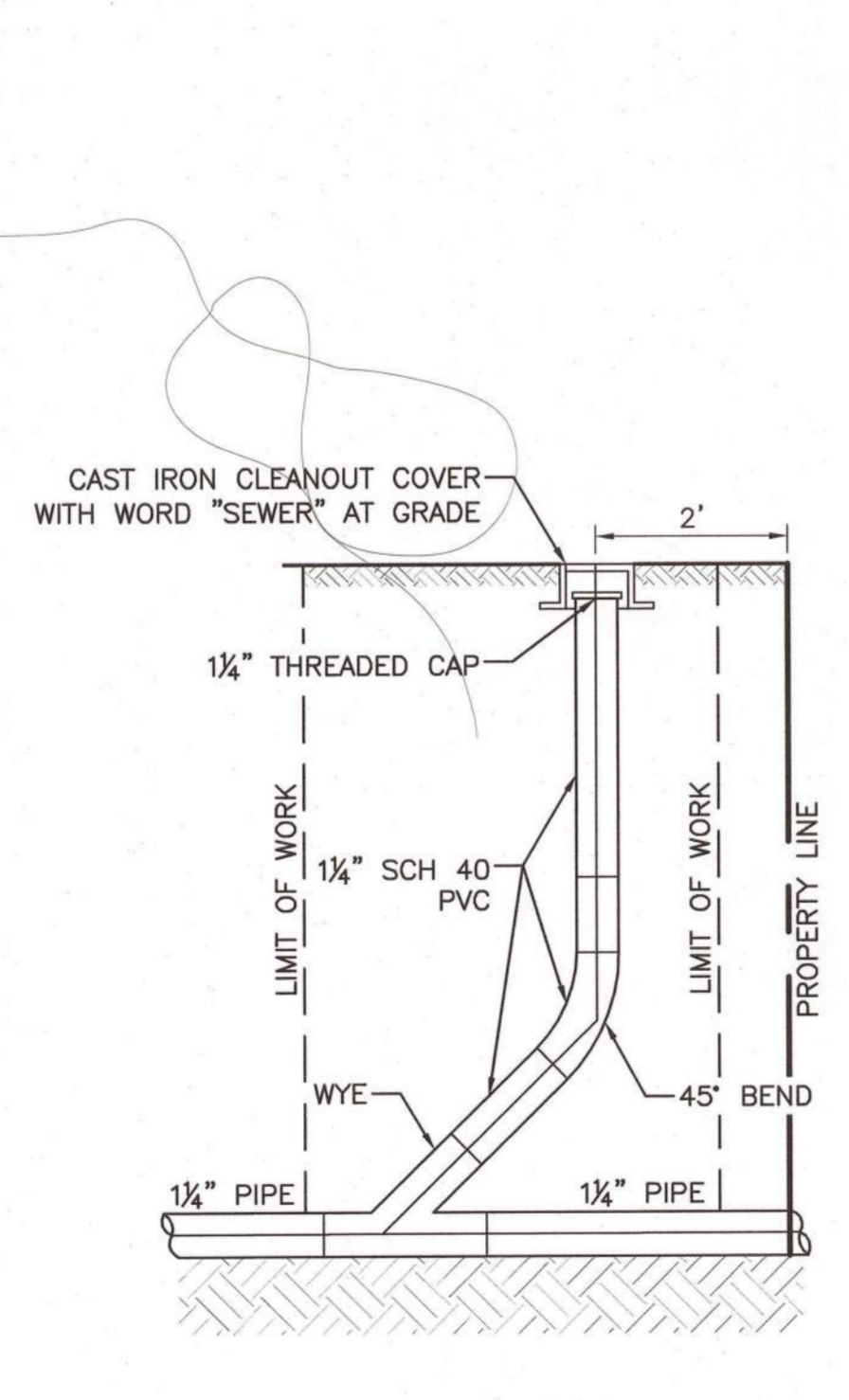
**PAVING SECTION**  
NOT TO SCALE



**TYPICAL DROP CONNECTION LPSS IN MANHOLE**  
NOT TO SCALE



**LATERAL ASSEMBLY**  
NOT TO SCALE

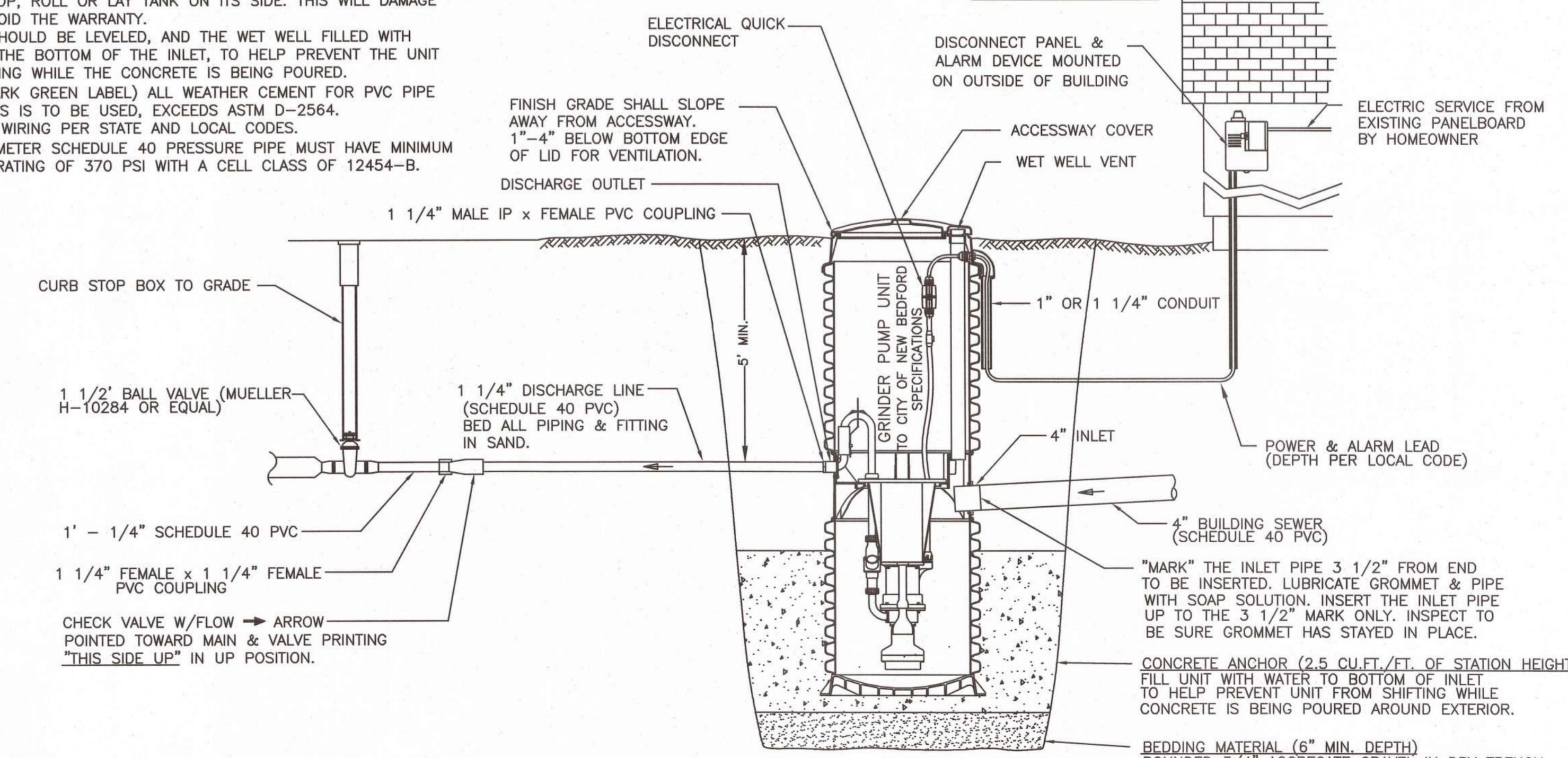


**SEWER CLEANOUT**  
NOT TO SCALE

### NOTES

- DO NOT DROP, ROLL OR LAY TANK ON ITS SIDE. THIS WILL DAMAGE UNIT AND VOID THE WARRANTY.
- THE UNIT SHOULD BE LEVELED, AND THE WET WELL FILLED WITH WATER, TO THE BOTTOM OF THE INLET, TO HELP PREVENT THE UNIT FROM SHIFTING WHILE THE CONCRETE IS BEING POURED.
- "OATEY" (DARK GREEN LABEL) ALL WEATHER CEMENT FOR PVC PIPE AND FITTINGS IS TO BE USED, EXCEEDS ASTM D-2564.
- ELECTRICAL WIRING PER STATE AND LOCAL CODES.
- 1 1/4" DIAMETER SCHEDULE 40 PRESSURE PIPE MUST HAVE MINIMUM PRESSURE RATING OF 370 PSI WITH A CELL CLASS OF 12454-B.

DESIGN FLOW: 4 BEDROOMS x 110 GPD/BEDROOM = **440 GPD REQUIRED**  
**700 GPD PROVIDED**



**GRINDER PUMP DETAIL**  
NOT TO SCALE

Appd. By: _____ Chkd. By: _____	
No. _____	Date _____
scale: AS NOTED date: AUGUST 02, 2021 draw: A/C checked: SDG approved: SDG sheet 2 of 2 drawing number: DET-1	

Project: BARTLETT STREET ASSESSOR'S MAP 134 LOT 307 NEW BEDFORD, MASSACHUSETTS  
 Client: NEW HOMES BY CASTELO, INC.  
 Drawing Title: DETAIL SHEET

488 Fausse Corner Road, Dartmouth, MA 02747  
 P.O. Box 1000, New Bedford, MA 01904  
 www.sitec.com

Acad No. NB 311-027\_DET.DWG  
 File No. 311-027