

# Site Plans

|              |                   |
|--------------|-------------------|
| Issued for   | Local Approvals   |
| Date Issued  | November 20, 2018 |
| Latest Issue | June 20, 2019     |

## Proposed Warehouse

Mechanic Street  
Bellingham, Massachusetts



**RECEIVED**

By Bellingham Planning Board at 10:16 am, Jun 25, 2019

vhb.com



101 Walnut Street  
PO Box 9151  
Watertown, MA 02471  
617.924.1770

### Owner

Varney Brothers Sand & Gravel  
PO Box 94  
Bellingham, Massachusetts 02019

### Applicant

LPC Northeast, LLC  
53 State Street, 8th Floor  
Boston, Massachusetts 02109

**Assessor's Map: 51**

**Lot: 13**

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| No.         | Drawing Title                              | Latest Issue  |
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| C-3.0 - 3.4 | Layout and Materials Plan                  | June 20, 2019 |
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| EV-1        | Wetland and Buffer Zone Impact Areas       | June 20, 2019 |
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| Reference Drawings |                                  |                   |
|--------------------|----------------------------------|-------------------|
| No.                | Drawing Title                    | Latest Issue      |
| Sv-1- 6            | Existing Conditions Plan of Land | May 21, 2019      |
|                    | Photometrics Plan                | November 20, 2018 |



Legend

| Exist. | Prop. |                                    | Exist.     | Prop.      |                                |
|--------|-------|------------------------------------|------------|------------|--------------------------------|
|        |       | PROPERTY LINE                      |            |            | CONCRETE                       |
|        |       | PROJECT LIMIT LINE                 |            |            | HEAVY DUTY PAVEMENT            |
|        |       | RIGHT-OF-WAY/PROPERTY LINE         |            |            | BUILDINGS                      |
|        |       | EASEMENT                           |            |            | RIPRAP                         |
|        |       | BUILDING SETBACK                   |            |            | CONSTRUCTION EXIT              |
|        |       | PARKING SETBACK                    |            |            |                                |
|        |       | BASELINE                           | 27.35 TC x | 27.35 TC x | TOP OF CURB ELEVATION          |
|        |       | CONSTRUCTION LAYOUT                | 26.85 BC x | 26.85 BC x | BOTTOM OF CURB ELEVATION       |
|        |       | ZONING LINE                        | 132.75 x   | 132.75 x   | SPOT ELEVATION                 |
|        |       | TOWN LINE                          | 45.0 TW x  | 45.0 TW x  | TOP & BOTTOM OF WALL ELEVATION |
|        |       |                                    | 38.5 BW x  | 38.5 BW x  |                                |
|        |       | LIMIT OF DISTURBANCE               |            |            | BORING LOCATION                |
|        |       | WETLAND LINE WITH FLAG             |            |            | TEST PIT LOCATION              |
|        |       | FLOODPLAIN                         |            |            | MONITORING WELL                |
|        |       |                                    |            |            |                                |
|        |       | BORDERING LAND SUBJECT TO FLOODING |            |            | UNDERDRAIN                     |
|        |       | WETLAND BUFFER ZONE                |            |            | DRAIN                          |
|        |       | NO DISTURB ZONE                    |            |            | ROOF DRAIN                     |
|        |       | 200' RIVERFRONT AREA               |            |            | SEWER                          |
|        |       |                                    |            |            | FORCE MAIN                     |
|        |       |                                    |            |            | OVERHEAD WIRE                  |
|        |       | GRAVEL ROAD                        |            |            | WATER                          |
|        |       | EDGE OF PAVEMENT                   |            |            | FIRE PROTECTION                |
|        |       | BITUMINOUS BERM                    |            |            | DOMESTIC WATER                 |
|        |       | BITUMINOUS CURB                    |            |            | GAS                            |
|        |       | CONCRETE CURB                      |            |            | ELECTRIC                       |
|        |       | CURB AND GUTTER                    |            |            | STEAM                          |
|        |       | EXTRUDED CONCRETE CURB             |            |            | TELEPHONE                      |
|        |       | MONOLITHIC CONCRETE CURB           |            |            | FIRE ALARM                     |
|        |       | PRECAST CONC. CURB                 |            |            | CABLE TV                       |
|        |       | SLOPED GRAN. EDGING                |            |            |                                |
|        |       | VERT. GRAN. CURB                   |            |            | CATCH BASIN CONCENTRIC         |
|        |       | LIMIT OF CURB TYPE                 |            |            | CATCH BASIN ECCENTRIC          |
|        |       | SAWCUT                             |            |            | DOUBLE CATCH BASIN CONCENTRIC  |
|        |       |                                    |            |            | DOUBLE CATCH BASIN ECCENTRIC   |
|        |       |                                    |            |            | GUTTER INLET                   |
|        |       | BUILDING                           |            |            | DRAIN MANHOLE CONCENTRIC       |
|        |       | BUILDING ENTRANCE                  |            |            | DRAIN MANHOLE ECCENTRIC        |
|        |       | LOADING DOCK                       |            |            | TRENCH DRAIN                   |
|        |       | BOLLARD                            |            |            | PLUG OR CAP                    |
|        |       | DUMPSITER PAD                      |            |            | CLEANOUT                       |
|        |       | SIGN                               |            |            | FLARED END SECTION             |
|        |       | DOUBLE SIGN                        |            |            | HEADWALL                       |
|        |       |                                    |            |            |                                |
|        |       | STEEL GUARDRAIL                    |            |            | SEWER MANHOLE CONCENTRIC       |
|        |       | WOOD GUARDRAIL                     |            |            | SEWER MANHOLE ECCENTRIC        |
|        |       |                                    |            |            |                                |
|        |       | PATH                               |            |            | CURB STOP & BOX                |
|        |       | TREE LINE                          |            |            | WATER VALVE & BOX              |
|        |       | WIRE FENCE                         |            |            | TAPPING SLEEVE, VALVE & BOX    |
|        |       | FENCE                              |            |            | SIAMESE CONNECTION             |
|        |       | STOCKADE FENCE                     |            |            | FIRE HYDRANT                   |
|        |       | STONE WALL                         |            |            | WATER METER                    |
|        |       | RETAINING WALL                     |            |            | POST INDICATOR VALVE           |
|        |       | STREAM / POND / WATER COURSE       |            |            | WATER WELL                     |
|        |       | DETENTION BASIN                    |            |            |                                |
|        |       | HAY BALES                          |            |            | GAS GATE                       |
|        |       | SILT FENCE                         |            |            | GAS METER                      |
|        |       | SILT SOCK / STRAW WATTLE           |            |            | ELECTRIC MANHOLE               |
|        |       |                                    |            |            | ELECTRIC METER                 |
|        |       | MINOR CONTOUR                      |            |            | LIGHT POLE                     |
|        |       | MAJOR CONTOUR                      |            |            | TELEPHONE MANHOLE              |
|        |       |                                    |            |            | TRANSFORMER PAD                |
|        |       | PARKING COUNT                      |            |            | UTILITY POLE                   |
|        |       | COMPACT PARKING STALLS             |            |            | GUY POLE                       |
|        |       | DOUBLE YELLOW LINE                 |            |            | GUY WIRE & ANCHOR              |
|        |       | STOP LINE                          |            |            | HAND HOLE                      |
|        |       | CROSSWALK                          |            |            | PULL BOX                       |
|        |       | ACCESSIBLE CURB RAMP               |            |            |                                |
|        |       | ACCESSIBLE PARKING                 |            |            |                                |
|        |       | VAN-ACCESSIBLE PARKING             |            |            |                                |
|        |       |                                    |            |            | MATCHLINE                      |

Abbreviations

| General |                                |
|---------|--------------------------------|
| ABAN    | ABANDON                        |
| ACR     | ACCESSIBLE CURB RAMP           |
| ADJ     | ADJUST                         |
| APPROX  | APPROXIMATE                    |
| BIT     | BITUMINOUS                     |
| BS      | BOTTOM OF SLOPE                |
| BWLL    | BROKEN WHITE LANE LINE         |
| CONC    | CONCRETE                       |
| DYCL    | DOUBLE YELLOW CENTER LINE      |
| EL      | ELEVATION                      |
| ELEV    | ELEVATION                      |
| EX      | EXISTING                       |
| FDN     | FOUNDATION                     |
| FFE     | FIRST FLOOR ELEVATION          |
| GRAN    | GRANITE                        |
| GTD     | GRADE TO DRAIN                 |
| LA      | LANDSCAPE AREA                 |
| LOD     | LIMIT OF DISTURBANCE           |
| MAX     | MAXIMUM                        |
| MIN     | MINIMUM                        |
| NIC     | NOT IN CONTRACT                |
| NTS     | NOT TO SCALE                   |
| PERF    | PERFORATED                     |
| PROP    | PROPOSED                       |
| REM     | REMOVE                         |
| RET     | RETAIN                         |
| R&D     | REMOVE AND DISPOSE             |
| R&R     | REMOVE AND RESET               |
| SWEL    | SOLID WHITE EDGE LINE          |
| SWLL    | SOLID WHITE LANE LINE          |
| TS      | TOP OF SLOPE                   |
| TYP     | TYPICAL                        |
| Utility |                                |
| CB      | CATCH BASIN                    |
| CMP     | CORRUGATED METAL PIPE          |
| CO      | CLEANOUT                       |
| DCB     | DOUBLE CATCH BASIN             |
| DMH     | DRAIN MANHOLE                  |
| CIP     | CAST IRON PIPE                 |
| COND    | CONDUIT                        |
| DIP     | DUCTILE IRON PIPE              |
| FES     | FLARED END SECTION             |
| FM      | FORCE MAIN                     |
| F&G     | FRAME AND GRATE                |
| F&C     | FRAME AND COVER                |
| GI      | GUTTER INLET                   |
| GT      | GREASE TRAP                    |
| HDPE    | HIGH DENSITY POLYETHYLENE PIPE |
| HH      | HANDHOLE                       |
| HW      | HEADWALL                       |
| HYD     | HYDRANT                        |
| INV     | INVERT ELEVATION               |
| I=      | INVERT ELEVATION               |
| LP      | LIGHT POLE                     |
| MES     | METAL END SECTION              |
| PIV     | POST INDICATOR VALVE           |
| PWW     | PAVED WATER WAY                |
| PVC     | POLYVINYLCHLORIDE PIPE         |
| RCP     | REINFORCED CONCRETE PIPE       |
| R=      | RIM ELEVATION                  |
| RIM=    | RIM ELEVATION                  |
| SMH     | SEWER MANHOLE                  |
| TSV     | TAPPING SLEEVE, VALVE AND BOX  |
| UG      | UNDERGROUND                    |
| UP      | UTILITY POLE                   |

Notes

| General   | Layout and Materials   |  |
|---|--|--|
| 1. CONTRACTOR SHALL NOTIFY "DIG-SAFE" (1-888-344-7233) AT LEAST 72 HOURS BEFORE EXCAVATING.   | 1. DIMENSIONS ARE FROM THE FACE OF CURB, FACE OF BUILDING, FACE OF WALL, AND CENTER LINE OF PAVEMENT MARKINGS, UNLESS OTHERWISE NOTED.   |  |
| 2. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS.   | 2. CURB RADII ARE THREE (3) FEET UNLESS OTHERWISE NOTED.   |  |
| 3. ACCESSIBLE ROUTES, PARKING SPACES, RAMPS, SIDEWALKS AND WALKWAYS SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE FEDERAL AMERICANS WITH DISABILITIES ACT AND WITH STATE AND LOCAL LAWS AND REGULATIONS (WHICHEVER ARE MORE STRINGENT).  | 3. CURBING SHALL BE PCC WITHIN THE SITE UNLESS OTHERWISE INDICATED ON THE PLANS.   |  |
| 4. 2:1 SLOPES SHALL BE 12" MINUS CRUSHED STONE SLOPES, PLACED AND COMPACTED, UNLESS OTHERWISE NOTED. AREAS DISTURBED DURING CONSTRUCTION AND NOT RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC) OR 12" MINUS CRUSHED STONE SLOPES SHALL RECEIVE SIX (6) INCHES LOAM AND SEED.   | 4. SEE ARCHITECTURAL DRAWINGS FOR EXACT BUILDING DIMENSIONS AND DETAILS CONTIGUOUS TO THE BUILDING, INCLUDING SIDEWALKS, RAMPS, BUILDING ENTRANCES, STAIRWAYS, UTILITY PENETRATIONS, CONCRETE DOOR PADS, COMPACTOR PAD, LOADING DOCKS, BOLLARDS, ETC.  |  |
| 5. WITHIN THE LIMITS OF THE BUILDING FOOTPRINT, THE SITE CONTRACTOR SHALL PERFORM EARTHWORK OPERATIONS REQUIRED UP TO SUBGRADE ELEVATIONS.  | 5. PROPOSED BOUNDS AND ANY EXISTING PROPERTY LINE MONUMENTATION DISTURBED DURING CONSTRUCTION SHALL BE SET OR RESET BY A PROFESSIONAL LICENSED SURVEYOR.   |  |
| 6. WORK WITHIN THE LOCAL RIGHTS-OF-WAY SHALL CONFORM TO LOCAL MUNICIPAL STANDARDS. WORK WITHIN STATE RIGHTS-OF-WAY SHALL CONFORM TO THE LATEST EDITION OF THE STATE HIGHWAY DEPARTMENTS STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.   | 6. PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL VERIFY EXISTING PAVEMENT ELEVATIONS AT INTERFACE WITH PROPOSED PAVEMENTS, AND EXISTING GROUND ELEVATIONS ADJACENT TO DRAINAGE OUTLETS TO ASSURE PROPER TRANSITIONS BETWEEN EXISTING AND PROPOSED FACILITIES.   |  |
| Demolition  |  |  |
| 7. UPON AWARD OF CONTRACT, CONTRACTOR SHALL MAKE NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK INDICATED ON THE DRAWINGS, IN THE SPECIFICATIONS, AND IN THE CONTRACT DOCUMENTS. DO NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, AND FIRE HYDRANTS, WITHOUT APPROPRIATE PERMITS.  | 1. CONTRACTOR SHALL REMOVE AND DISPOSE OF EXISTING MANMADE SURFACE FEATURES WITHIN THE LIMIT OF WORK INCLUDING BUILDINGS, STRUCTURES, PAVEMENTS, SLABS, CURBING, FENCES, UTILITY POLES, SIGNS, ETC. UNLESS INDICATED OTHERWISE ON THE DRAWINGS. REMOVE AND DISPOSE OF EXISTING UTILITIES, FOUNDATIONS AND UNSUITABLE MATERIAL BENEATH AND FOR A DISTANCE OF 10 FEET BEYOND THE PROPOSED BUILDING FOOTPRINT INCLUDING EXTERIOR COLUMNS.   |  |
| 8. TRAFFIC SIGNAGE AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.  | 2. EXISTING UTILITIES SHALL BE TERMINATED, UNLESS OTHERWISE NOTED, IN CONFORMANCE WITH LOCAL, STATE AND INDIVIDUAL UTILITY COMPANY STANDARD SPECIFICATIONS AND DETAILS. THE CONTRACTOR SHALL COORDINATE UTILITY SERVICE DISCONNECTS WITH THE UTILITY REPRESENTATIVES.  |  |
| 9. AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.  | 3. CONTRACTOR SHALL DISPOSE OF DEMOLITION DEBRIS IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, ORDINANCES AND STATUTES.  |  |
| 10. IN THE EVENT THAT SUSPECTED CONTAMINATED SOIL, GROUNDWATER, AND OTHER MEDIA ARE ENCOUNTERED DURING EXCAVATION AND CONSTRUCTION ACTIVITIES BASED ON VISUAL, OLFACTORY, OR OTHER EVIDENCE, THE CONTRACTOR SHALL STOP WORK IN THE VICINITY OF THE SUSPECT MATERIAL TO AVOID FURTHER SPREADING OF THE MATERIAL, AND SHALL NOTIFY THE OWNER IMMEDIATELY SO THAT THE APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN.    | 4. THE DEMOLITION LIMITS DEPICTED IN THE PLANS IS INTENDED TO AID THE CONTRACTOR DURING THE BIDDING AND CONSTRUCTION PROCESS AND IS NOT INTENDED TO DEPICT EACH AND EVERY ELEMENT OF DEMOLITION. THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING THE DETAILED SCOPE OF DEMOLITION BEFORE SUBMITTING ITS BID/PROPOSAL TO PERFORM THE WORK AND SHALL MAKE NO CLAIMS AND SEEK NO ADDITIONAL COMPENSATION FOR CHANGED CONDITIONS OR UNFORESEEN OR LATENT SITE CONDITIONS RELATED TO ANY CONDITIONS DISCOVERED DURING EXECUTION OF THE WORK.  |  |
| 11. CONTRACTOR SHALL PREVENT DUST, SEDIMENT, AND DEBRIS FROM EXITING THE SITE AND SHALL BE RESPONSIBLE FOR CLEANUP, REPAIRS AND CORRECTIVE ACTION IF SUCH OCCURS.   | 5. UNLESS OTHERWISE SPECIFICALLY PROVIDED ON THE PLANS OR IN THE SPECIFICATIONS, THE ENGINEER HAS NOT PREPARED DESIGNS FOR AND SHALL HAVE NO RESPONSIBILITY FOR THE PRESENCE, DISCOVERY, REMOVAL, ABATEMENT OR DISPOSAL OF HAZARDOUS MATERIALS, TOXIC WASTES OR POLLUTANTS AT THE PROJECT SITE. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR ANY CLAIMS OF LOSS, DAMAGE, EXPENSE, DELAY, INJURY OR DEATH ARISING FROM THE PRESENCE OF HAZARDOUS MATERIAL, AND CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE ENGINEER FROM ANY CLAIMS MADE IN CONNECTION THEREWITH. MOREOVER, THE ENGINEER SHALL HAVE NO ADMINISTRATIVE OBLIGATIONS OF ANY TYPE WITH REGARD TO ANY CONTRACTOR AMENDMENT INVOLVING THE ISSUES OF PRESENCE, DISCOVERY, REMOVAL, ABATEMENT OR DISPOSAL OF ASBESTOS OR OTHER HAZARDOUS MATERIALS. |  |
| 12. DAMAGE RESULTING FROM CONSTRUCTION LOADS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO OWNER.  | Erosion Control  |  |
| 13. CONTRACTOR SHALL CONTROL STORMWATER RUNOFF DURING CONSTRUCTION TO PREVENT ADVERSE IMPACTS TO OFF SITE AREAS, AND SHALL BE RESPONSIBLE TO REPAIR RESULTING DAMAGES, IF ANY, AT NO COST TO OWNER.   | 1. PRIOR TO STARTING ANY OTHER WORK ON THE SITE, THE CONTRACTOR SHALL NOTIFY APPROPRIATE AGENCIES AND SHALL INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS IDENTIFIED IN FEDERAL, STATE, AND LOCAL APPROVAL DOCUMENTS PERTAINING TO THIS PROJECT.   | 2. CONTRACTOR SHALL INSPECT AND MAINTAIN EROSION CONTROL MEASURES ON A WEEKLY BASIS (MINIMUM) OR AS REQUIRED PER THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP). THE CONTRACTOR SHALL ADDRESS DEFICIENCIES AND MAINTENANCE ITEMS WITHIN TWENTY-FOUR HOURS OF INSPECTION. CONTRACTOR SHALL PROPERLY DISPOSE OF SEDIMENT SUCH THAT IT DOES NOT ENCUMBER OTHER DRAINAGE STRUCTURES AND PROTECTED AREAS. |
| 14. THIS PROJECT DISTURBS MORE THAN ONE ACRE OF LAND AND FALLS WITHIN THE NPDES CONSTRUCTION GENERAL PERMIT (CGP) PROGRAM AND EPA JURISDICTION. PRIOR TO THE START OF CONSTRUCTION CONTRACTOR IS TO FILE A CGP NOTICE OF INTENT WITH THE EPA, AND PREPARE A STORMWATER POLLUTION PREVENTION PLAN IN ACCORDANCE WITH THE NPDES REGULATIONS. CONTRACTOR SHALL CONFIRM THE OWNER HAS ALSO FILED A NOTICE OF INTENT WITH THE EPA. | 3. CONTRACTOR SHALL BE FULLY RESPONSIBLE TO CONTROL CONSTRUCTION SUCH THAT SEDIMENTATION SHALL NOT AFFECT REGULATORY PROTECTED AREAS, WHETHER SUCH SEDIMENTATION IS CAUSED BY WATER, WIND, OR DIRECT DEPOSIT.  |  |
|   | 4. CONTRACTOR SHALL PERFORM CONSTRUCTION SEQUENCING SUCH THAT EARTH MATERIALS ARE EXPOSED FOR A MINIMUM OF TIME BEFORE THEY ARE COVERED, SEEDED, OR OTHERWISE STABILIZED TO PREVENT EROSION.   |  |
|   | 5. UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER, CONTRACTOR SHALL REMOVE AND DISPOSE OF EROSION CONTROL MEASURES AND CLEAN SEDIMENT AND DEBRIS FROM ENTIRE DRAINAGE AND SEWER SYSTEMS.  |  |
| Existing Conditions Information   |  |  |
|   | 1. BASE PLAN: "EXISTING CONDITIONS PLAN OF LAND" DATED JUNE 25, 2018, PREPARED BY VHB.   | A. DELINEATION OF THE WETLANDS AND PLACEMENT OF THE FLAGS WAS PERFORMED BY VHB IN NOVEMBER 2017, NOVEMBER 2018, DECEMBER 2018 AND JANUARY 2019.  |
|   |  | B. FLAGS MARKING THE WETLANDS WERE LOCATED BY ACTUAL GROUND SURVEY BY VHB IN JANUARY 2018, AND GPS IN NOVEMBER/DECEMBER OF 2018 AND JANUARY OF 2019.   |
|   | 2. TOPOGRAPHY: ELEVATIONS ARE BASED ON NAVD 1988.  |  |
|   | 3. GEOTECHNICAL DATA INCLUDING TEST PIT AND BORING LOCATIONS, ELEVATIONS AND BEDROCK DEPTHS WERE OBTAINED FROM SANBORN HEAD PLAN ENTITLED "BEDROCK CUT PLAN, ARCO CONCEPT - ONE DRIVEWAY" DATED APRIL 2018.  |  |
| Document Use  |  |  |
|   | 1. THESE PLANS AND CORRESPONDING CADD DOCUMENTS ARE INSTRUMENTS OF PROFESSIONAL SERVICE, AND SHALL NOT BE USED, IN WHOLE OR IN PART, FOR ANY PURPOSE OTHER THAN FOR WHICH IT WAS CREATED WITHOUT THE EXPRESSED, WRITTEN CONSENT OF VHB. ANY UNAUTHORIZED USE, REUSE, MODIFICATION OR ALTERATION, INCLUDING AUTOMATED CONVERSION OF THIS DOCUMENT SHALL BE AT THE USER'S SOLE RISK WITHOUT LIABILITY OR LEGAL EXPOSURE TO VHB.  |  |
|   | 2. CONTRACTOR SHALL NOT RELY SOLELY ON ELECTRONIC VERSIONS OF PLANS, SPECIFICATIONS, AND DATA FILES THAT ARE OBTAINED FROM THE DESIGNERS, BUT SHALL VERIFY LOCATION OF PROJECT FEATURES IN ACCORDANCE WITH THE PAPER COPIES OF THE PLANS AND SPECIFICATIONS THAT ARE SUPPLIED AS PART OF THE CONTRACT DOCUMENTS.   |  |
|   | 3. SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS AND ARE NOT NECESSARILY SCALED TO THEIR ACTUAL DIMENSIONS OR LOCATIONS ON THE DRAWINGS. THE CONTRACTOR SHALL REFER TO THE DETAIL SHEET DIMENSIONS, MANUFACTURERS' LITERATURE, SHOP DRAWINGS AND FIELD MEASUREMENTS OF SUPPLIED PRODUCTS FOR LAYOUT OF THE PROJECT FEATURES.   |  |
|   | 4. CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR AND SHALL FURNISH EXCAVATION, INSTALLATION, AND BACKFILL OF ELECTRICAL FURNISHED SITEMWORK RELATED ITEMS SUCH AS PULL BOXES, CONDUITS, DUCT BANKS, LIGHT POLE BASES, AND CONCRETE PADS. SITE CONTRACTOR SHALL FURNISH CONCRETE ENCASEMENT OF DUCT BANKS IF REQUIRED BY THE UTILITY COMPANY AND AS INDICATED ON THE DRAWINGS.   |  |
|   | 5. CONTRACTOR SHALL EXCAVATE AND BACKFILL TRENCHES FOR GAS IN ACCORDANCE WITH GAS COMPANY'S REQUIREMENTS.  |  |
|   | 6. CONTRACTOR SHALL MAKE ARRANGEMENTS FOR AND SHALL BE RESPONSIBLE FOR PAYING FEES FOR POLE RELOCATION AND FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE, FIRE ALARM, AND ANY OTHER PRIVATE UTILITIES, WHETHER WORK IS PERFORMED BY CONTRACTOR OR BY THE UTILITIES COMPANY.  |  |
|   | 7. UTILITY PIPE MATERIALS SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED ON THE PLAN:   |  |
|   | A. WATER PIPES SHALL BE CLASS 52 CEMENT LINED DUCTILE IRON.  |  |
|   | B. SANITARY SEWER PIPES SHALL BE POLYVINYL CHLORIDE (PVC) SEWER PIPE   |  |
|   | C. STORM DRAINAGE PIPES SHALL BE HIGH DENSITY POLYETHYLENE (HDPE), UNLESS OTHERWISE NOTED.   |  |
|   | D. PIPE INSTALLATION AND MATERIALS SHALL COMPLY WITH THE STATE PLUMBING CODE WHERE APPLICABLE. CONTRACTOR SHALL COORDINATE WITH LOCAL PLUMBING INSPECTOR PRIOR TO BEGINNING WORK.  |  |
|   | 8. CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR AND SHALL FURNISH EXCAVATION, INSTALLATION, AND BACKFILL OF ELECTRICAL FURNISHED SITEMWORK RELATED ITEMS SUCH AS PULL BOXES, CONDUITS, DUCT BANKS, LIGHT POLE BASES, AND CONCRETE PADS. SITE CONTRACTOR SHALL FURNISH CONCRETE ENCASEMENT OF DUCT BANKS IF REQUIRED BY THE UTILITY COMPANY AND AS INDICATED ON THE DRAWINGS.   |  |
|   | 9. CONTRACTOR SHALL EXCAVATE AND BACKFILL TRENCHES FOR GAS IN ACCORDANCE WITH GAS COMPANY'S REQUIREMENTS.  |  |
|   | 10. ALL DRAINAGE AND SANITARY STRUCTURE INTERIOR DIAMETERS (4" MIN.) SHALL BE DETERMINED BY THE MANUFACTURER BASED ON THE PIPE CONFIGURATIONS SHOWN ON THESE PLANS AND LOCAL MUNICIPAL STANDARDS. FOR MANHOLES THAT ARE 20 FEET IN DEPTH AND GREATER, THE MINIMUM DIAMETER SHALL BE 5 FEET.  |  |



101 Walnut Street  
PO Box 9151  
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617.924.1770

### Proposed Warehouse

Mechanic Street  
Bellingham, Massachusetts

| No. | Revision                             | Date       | Apprd. |
|-----|--------------------------------------|------------|--------|
| 1   | Wetland Replication Area Revision    | 11/27/2018 | CPN    |
| 2   | Wetland Revisions                    | 1/3/2019   | CPN    |
| 3   | Planning/ConCom/Peer Review Comments | 3/20/2019  | CPN    |
| 4   | Planning/ConCom/Peer Review Comments | 5/21/2019  | CPN    |
| 5   | Planning/ConCom/Peer Review Comments | 6/20/2019  | CPN    |

Designed by  
**JRB**  
Issued for

Checked by  
**CPN**  
Date

Local Approvals

Not Approved for Construction

Drawing Title

Legend and General Notes

Drawing Number

C-1

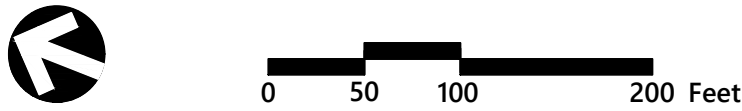
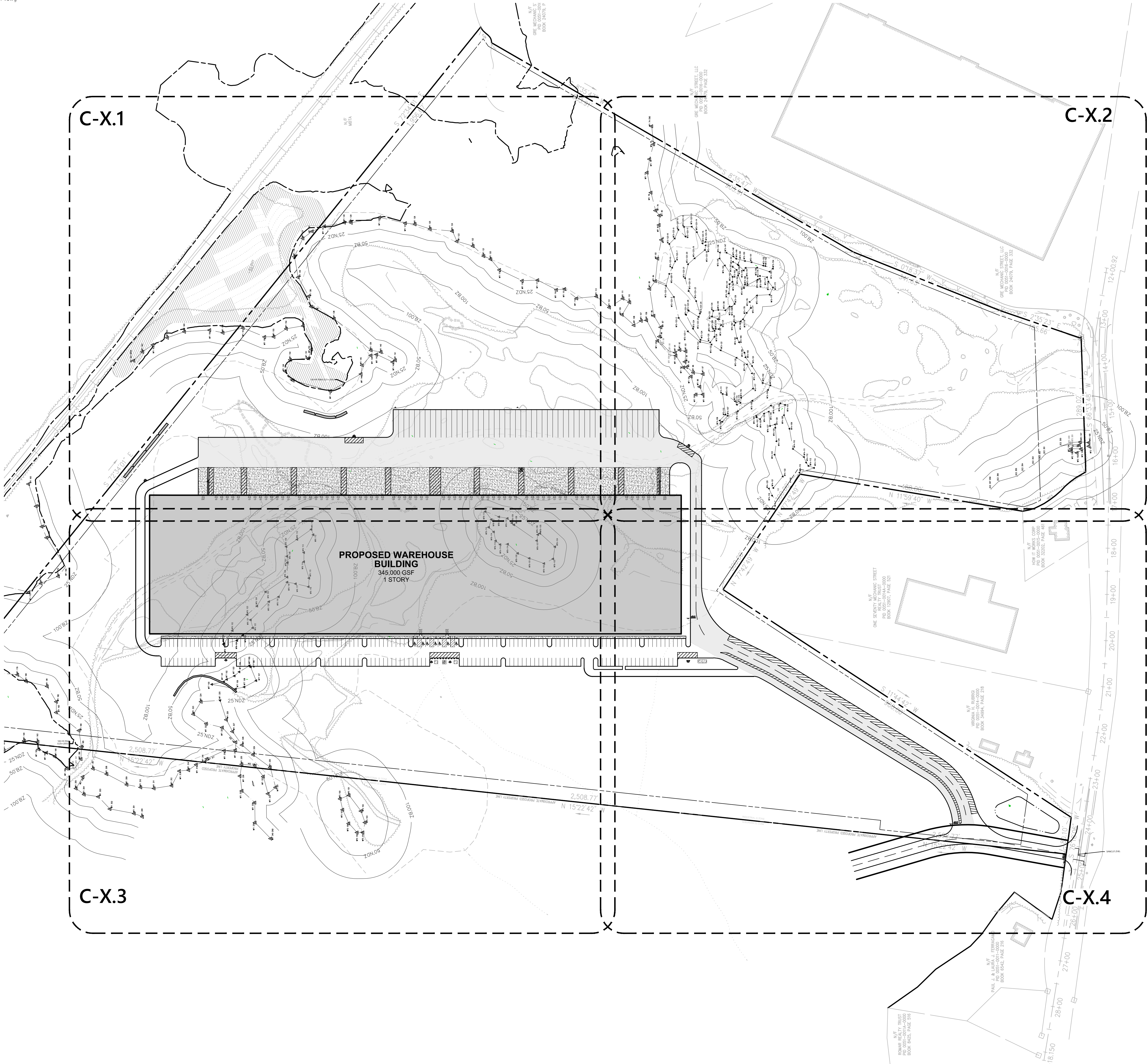
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Project Number

14073.00





**Proposed Warehouse**  
**Mechanic Street**  
**Bellingham, Massachusetts**

| No. | Revision                             | Date       | Appr'd. |
|-----|--------------------------------------|------------|---------|
| 1   | Wetland Replication Area Revision    | 11/27/2018 | CPN     |
| 2   | Wetland Revisions                    | 1/3/2019   | CPN     |
| 3   | Planning/ConCom/Peer Review Comments | 3/20/2019  | CPN     |
| 4   | Planning/ConCom/Peer Review Comments | 5/21/2019  | CPN     |
| 5   | Planning/ConCom/Peer Review Comments | 6/20/2019  | CPN     |

|                           |                          |
|---------------------------|--------------------------|
| Designed by<br><b>JRB</b> | Checked by<br><b>CPN</b> |
| Issued for<br>Date        | Date                     |

**Local Approvals** November 20, 2018

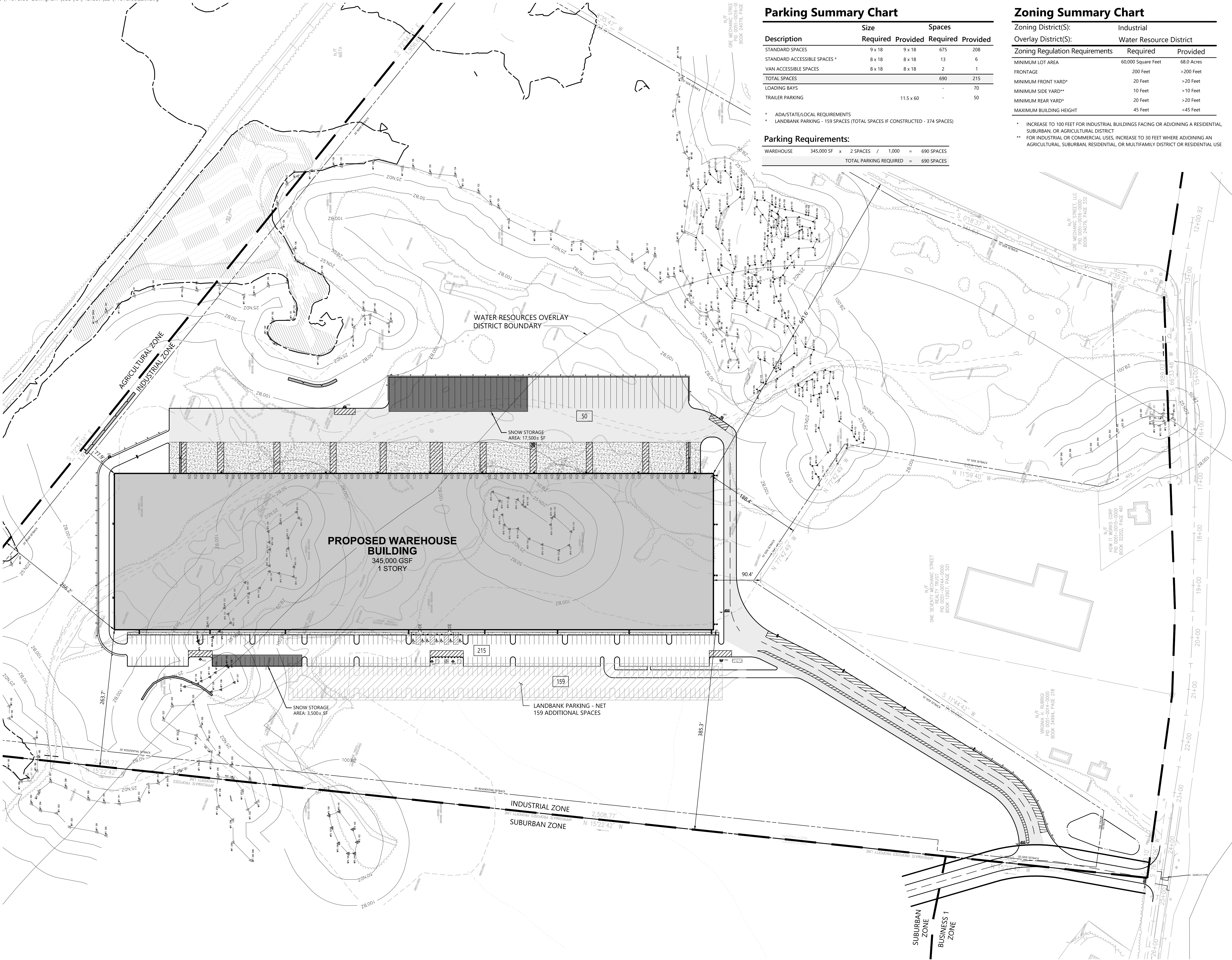
Not Approved for Construction  
Drawing Title  
**Index Plan**  
Drawing Number

**C-2**

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Project Number  
**14073.00**





Parking Summary Chart

| Description                  | Size     |           | Spaces   |          |
|------------------------------|----------|-----------|----------|----------|
|                              | Required | Provided  | Required | Provided |
| STANDARD SPACES              | 9 x 18   | 9 x 18    | 675      | 208      |
| STANDARD ACCESSIBLE SPACES * | 8 x 18   | 8 x 18    | 13       | 6        |
| VAN ACCESSIBLE SPACES        | 8 x 18   | 8 x 18    | 2        | 1        |
| TOTAL SPACES                 |          |           | 690      | 215      |
| LOADING BAYS                 |          |           | 70       |          |
| TRAILER PARKING              |          | 11.5 x 60 | -        | 50       |

- \* ADA/STATE/LOCAL REQUIREMENTS
- \* LANDBANK PARKING - 159 SPACES (TOTAL SPACES IF CONSTRUCTED - 374 SPACES)

Parking Requirements:

|           |            |   |                        |   |       |   |            |
|-----------|------------|---|------------------------|---|-------|---|------------|
| WAREHOUSE | 345,000 SF | x | 2 SPACES               | / | 1,000 | = | 690 SPACES |
|           |            |   | TOTAL PARKING REQUIRED |   |       | = | 690 SPACES |

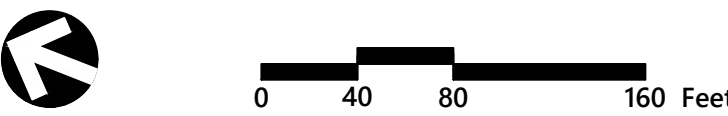
Zoning Summary Chart

|                                |                         |            |
|--------------------------------|-------------------------|------------|
| Zoning District(S):            | Industrial              |            |
| Overlay District(S):           | Water Resource District |            |
| Zoning Regulation Requirements | Required                | Provided   |
| MINIMUM LOT AREA               | 60,000 Square Feet      | 68.0 Acres |
| FRONTAGE                       | 200 Feet                | >200 Feet  |
| MINIMUM FRONT YARD*            | 20 Feet                 | >20 Feet   |
| MINIMUM SIDE YARD**            | 10 Feet                 | >10 Feet   |
| MINIMUM REAR YARD*             | 20 Feet                 | >20 Feet   |
| MAXIMUM BUILDING HEIGHT        | 45 Feet                 | <45 Feet   |

- \* INCREASE TO 100 FEET FOR INDUSTRIAL BUILDINGS FACING OR ADJOINING A RESIDENTIAL, SUBURBAN, OR AGRICULTURAL DISTRICT
- \*\* FOR INDUSTRIAL OR COMMERCIAL USES, INCREASE TO 30 FEET WHERE ADJOINING AN AGRICULTURAL, SUBURBAN, RESIDENTIAL, OR MULTIFAMILY DISTRICT OR RESIDENTIAL USE



101 Walnut Street  
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Proposed Warehouse

Mechanic Street  
Bellingham, Massachusetts

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Local Approvals November 20, 2018

Not Approved for Construction

Overall Layout and  
Materials Plan

Drawing Number

C-3.0

Sheet

of

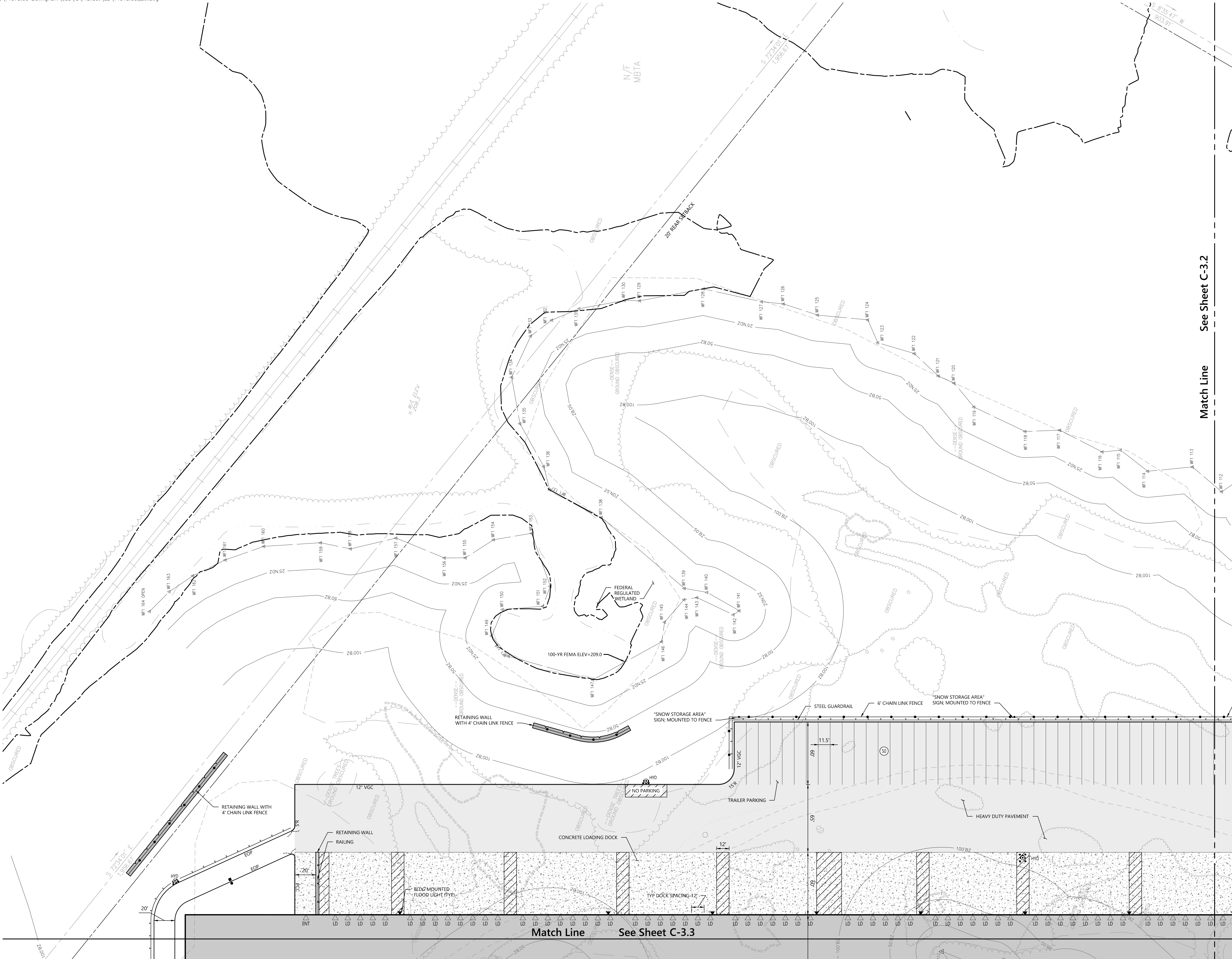
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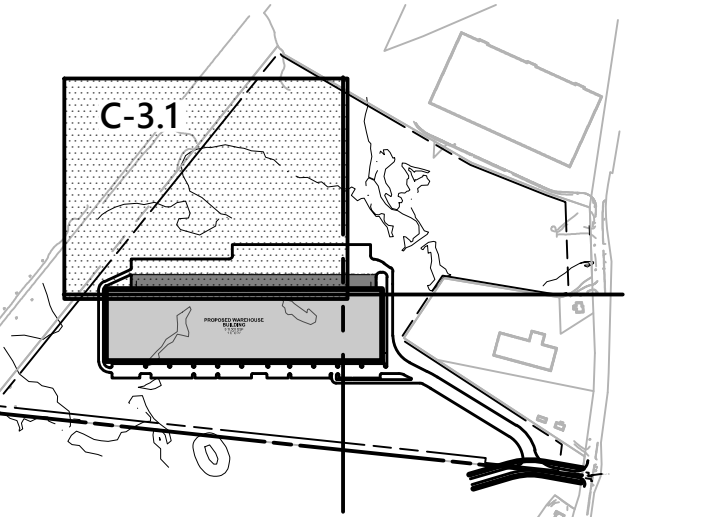
Project Number

14073.00

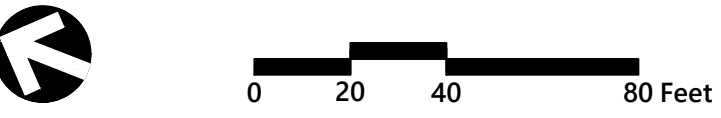




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**Key**  
1" = 800'



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**Local Approvals** November 20, 2018

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Drawing Title  
**Layout and  
Materials Plan**

Drawing Number

**C-3.1**

Sheet **4** of **25**

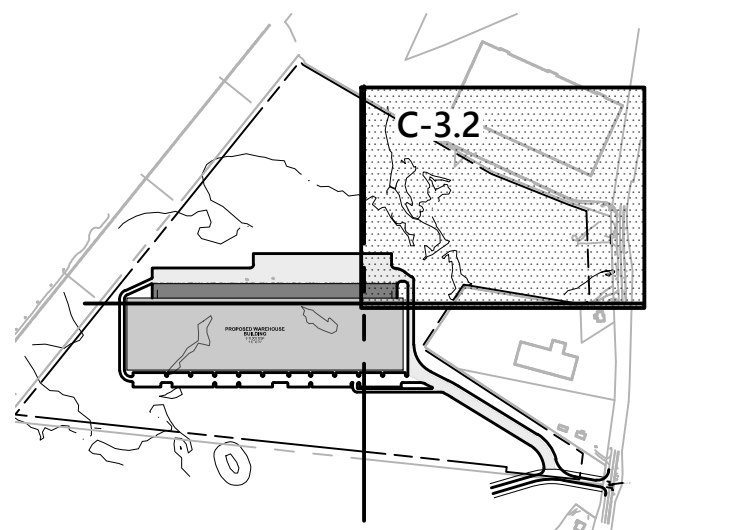
Project Number  
**14073.00**



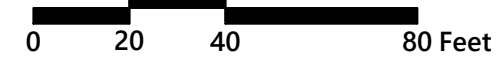





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Date

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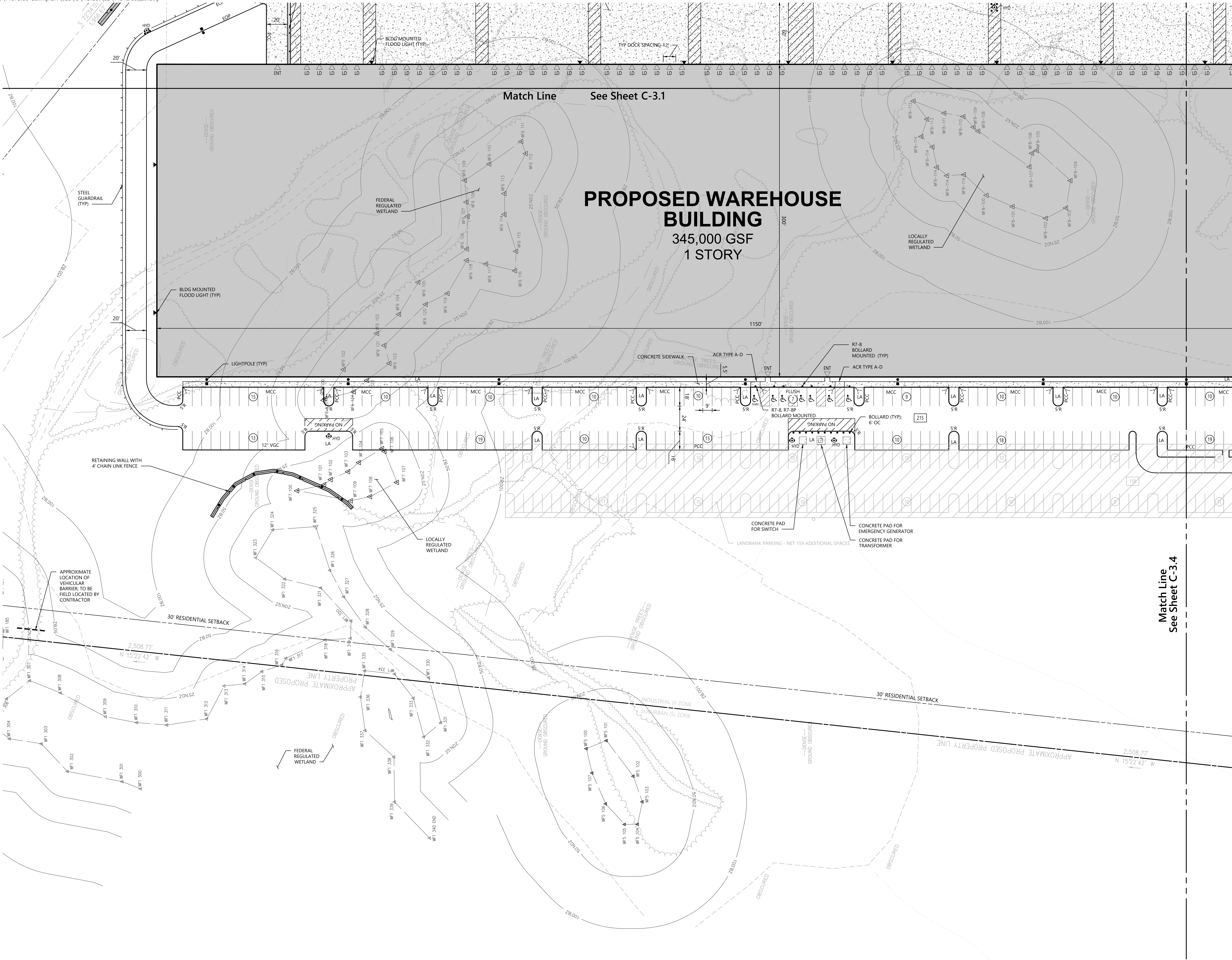
Drawing Title  
**Layout and  
Materials Plan**

Drawing Number  
**C-3.2**

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**5      25**

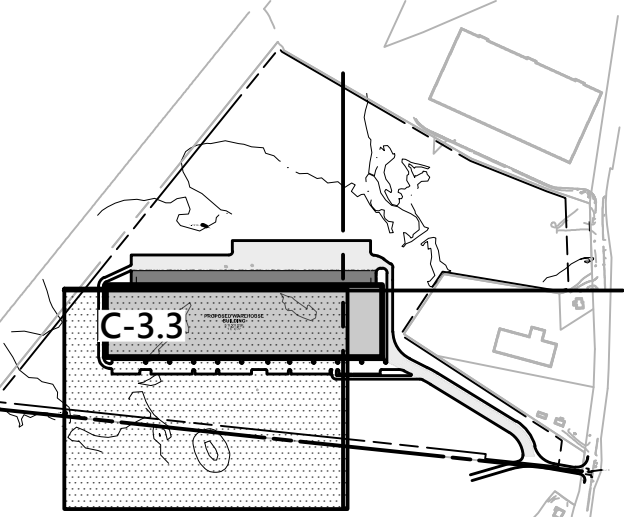
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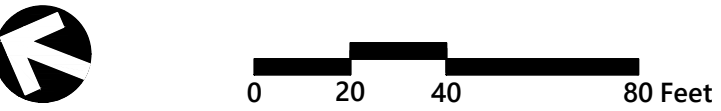


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**Key**  
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| M.U.T.C.D. Number | Specification |        | Desc.   |
|-------------------|---------------|--------|---|
|                   | Width         | Height |   |
| R7-8              | 12"           | 18"    |  |
| R7-8P             | 12"           | 6"     |  |



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Drawing Title  
**Layout and Materials Plan**

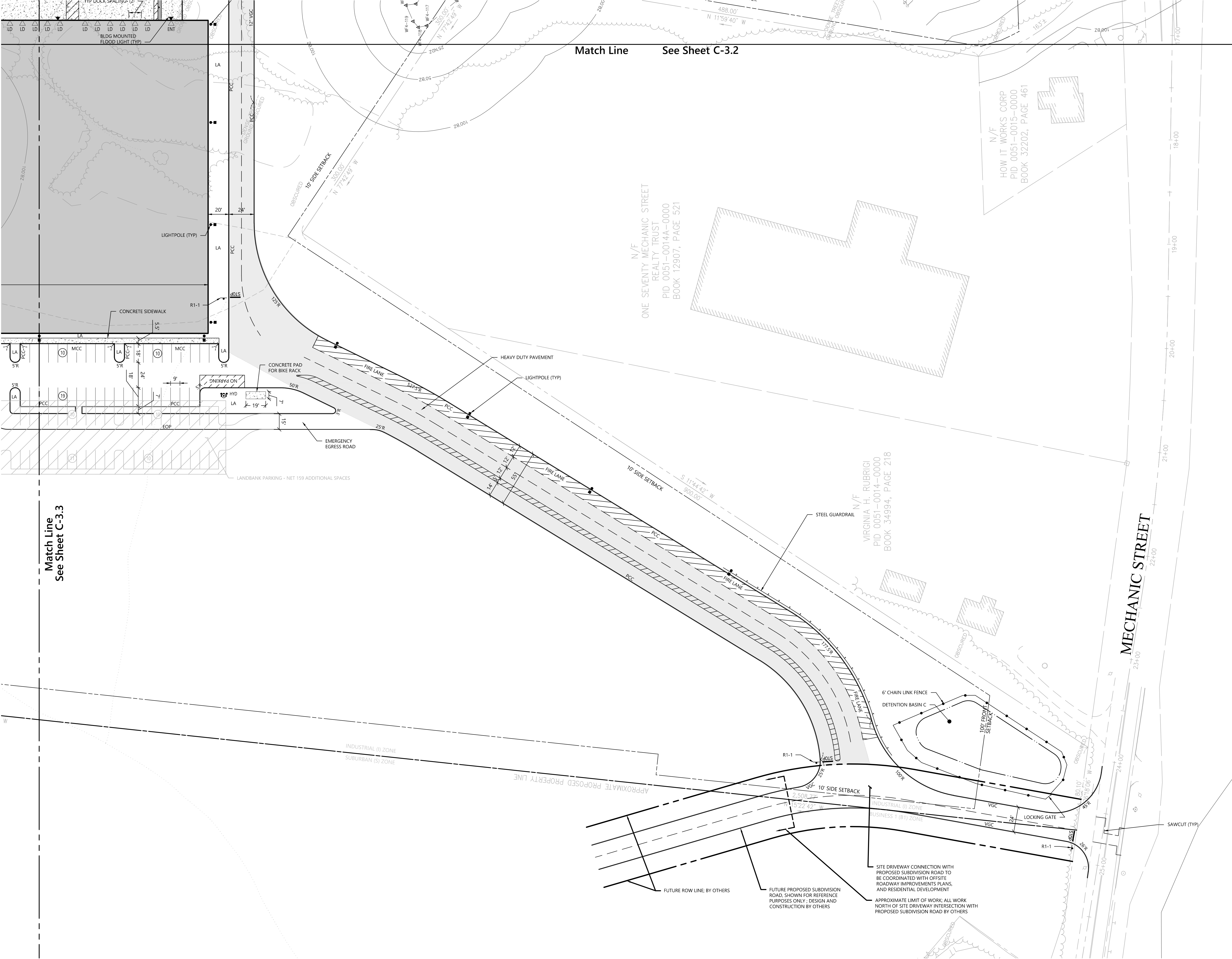
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**C-3.3**

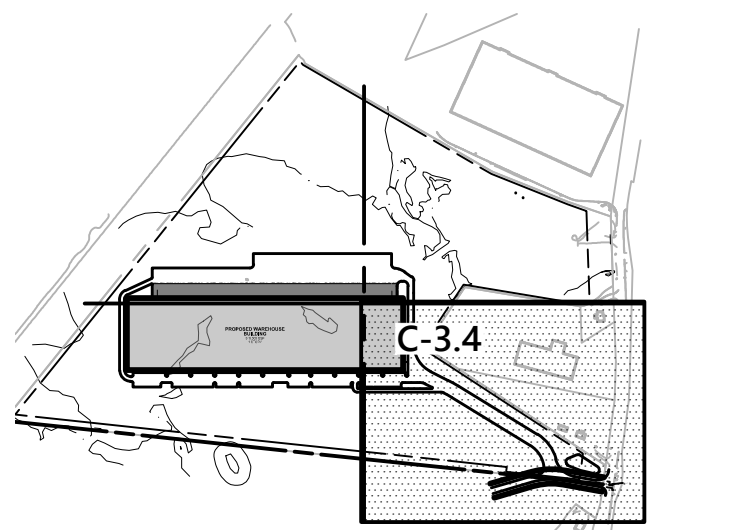
Sheet 6 of 25

Project Number  
14073.00



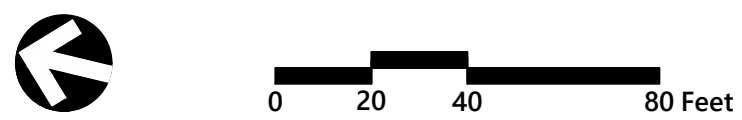


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**Key**  
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| Sign Summary      |                     |        |       |
|-------------------|---------------------|--------|-------|
| M.U.T.C.D. Number | Specification Width | Height | Desc. |
| R1-1              | 30"                 | 30"    |       |



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**Local Approvals** November 20, 2018

**Not Approved for Construction**

Drawing Title  
**Layout and  
Materials Plan**

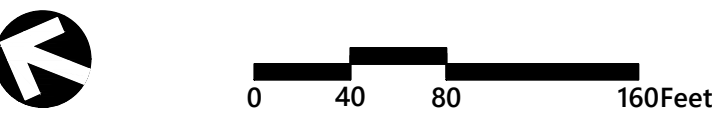
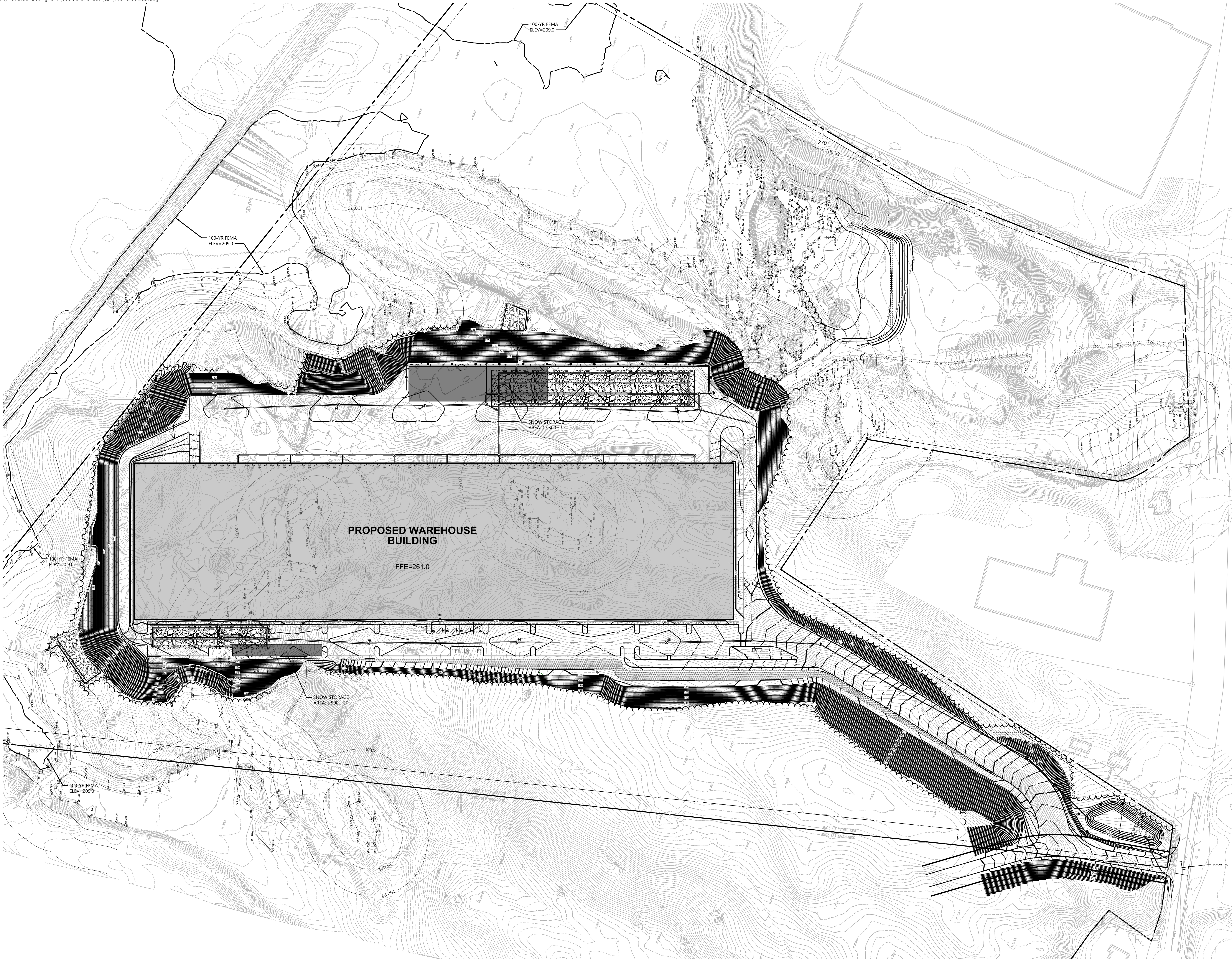
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Project Number  
**14073.00**





**Proposed Warehouse**  
**Mechanic Street**  
**Bellingham, Massachusetts**

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Drawing Title  
**Overall Grading and  
Drainage Plan**

Drawing Number

**C-4.0**

Sheet      of  
8      25

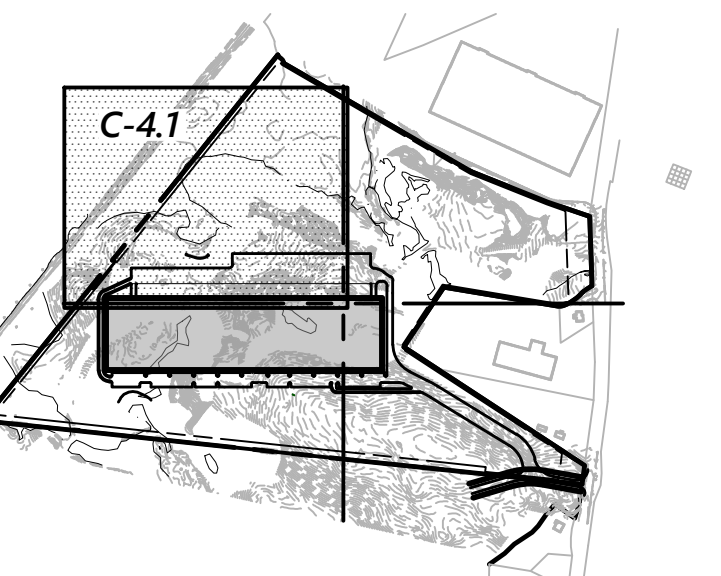
Project Number  
14073.00







101 Walnut Street  
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**Key**

1" = 800'

**NOTE:**

1. SILT SACK SHOULD BE PLACED IN EACH CATCH BASIN AFTER INSTALLATION. SILT SACK SHOULD NOT BE REMOVED UNTIL FINAL SITE STABILIZATION HAS BEEN ACHIEVED.



## Proposed Warehouse

**Mechanic Street  
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**Local Approvals** November 20, 2018

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Drawing Title  
**Grading, Drainage  
and Erosion Control**

Drawing Number

# C-4.1

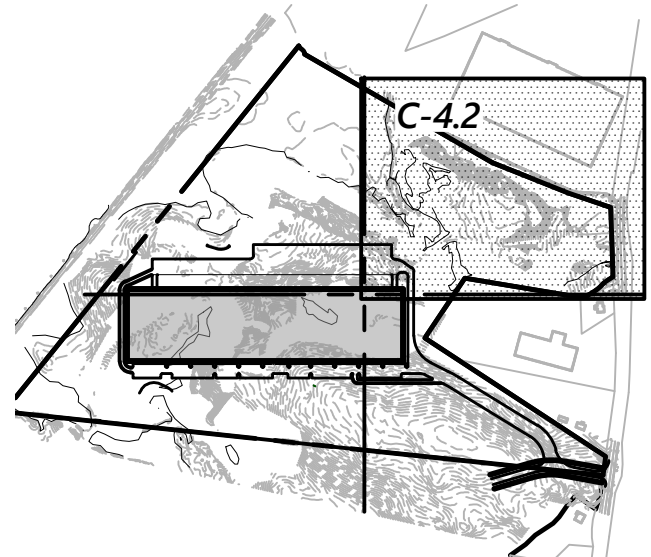
Sheet 9 of 25

Project Number  
14073.00



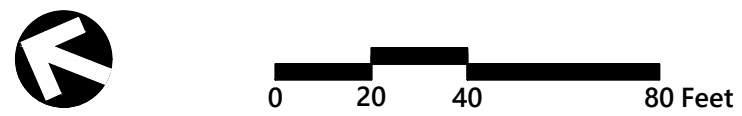


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Local Approvals November 20, 2018

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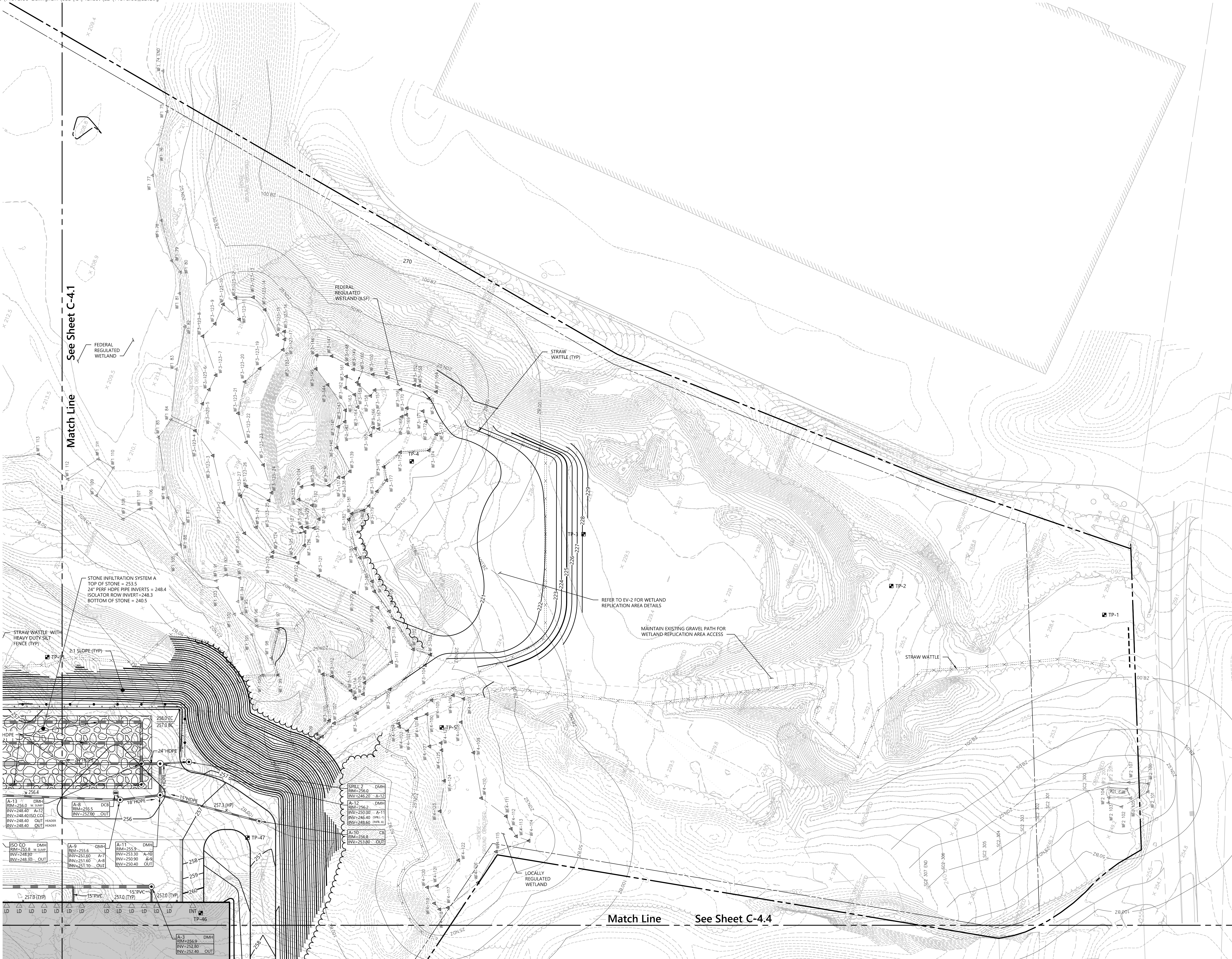
Grading, Drainage  
and Erosion Control Plan

Drawing Number

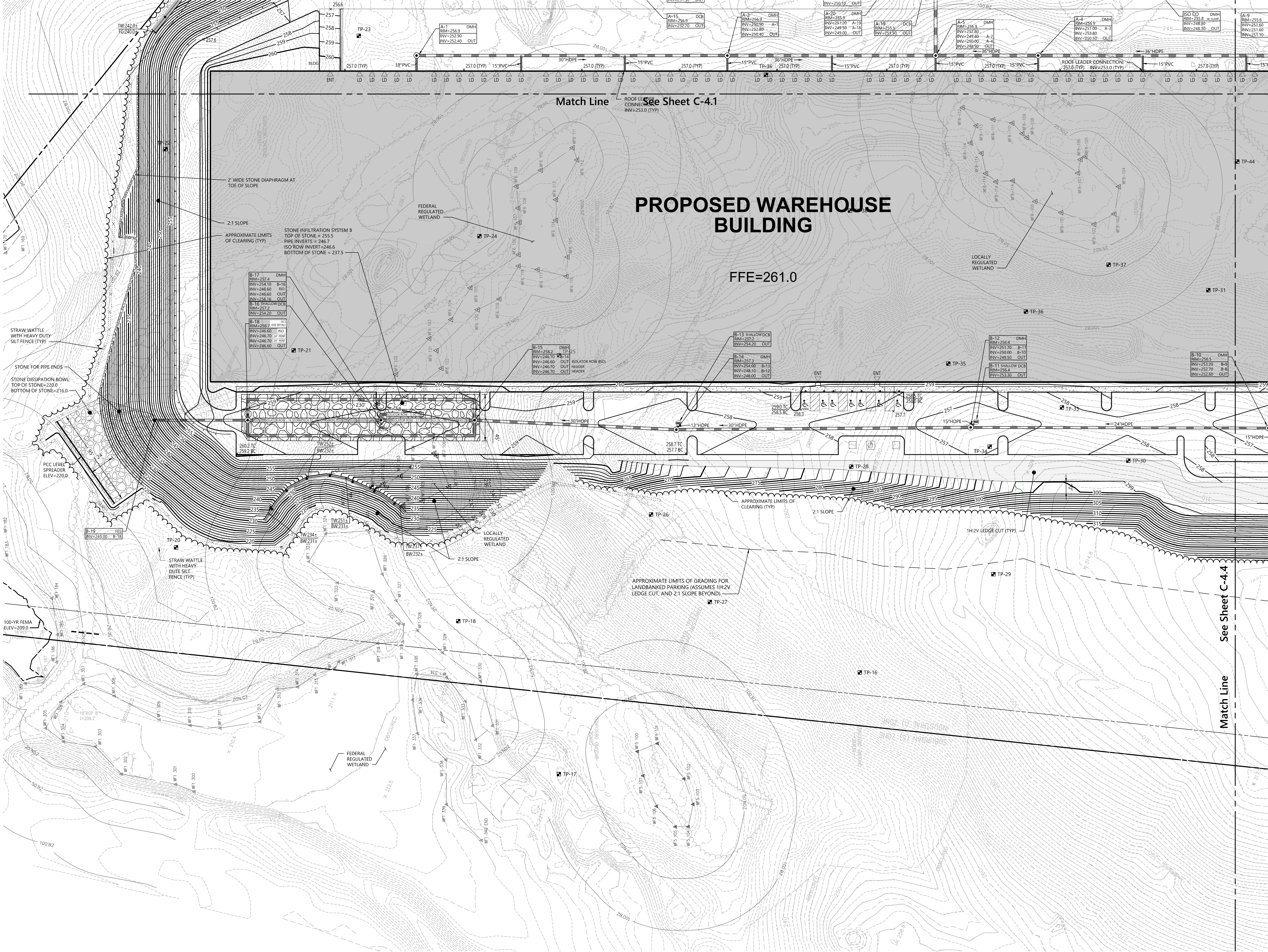
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Project Number  
14073.00

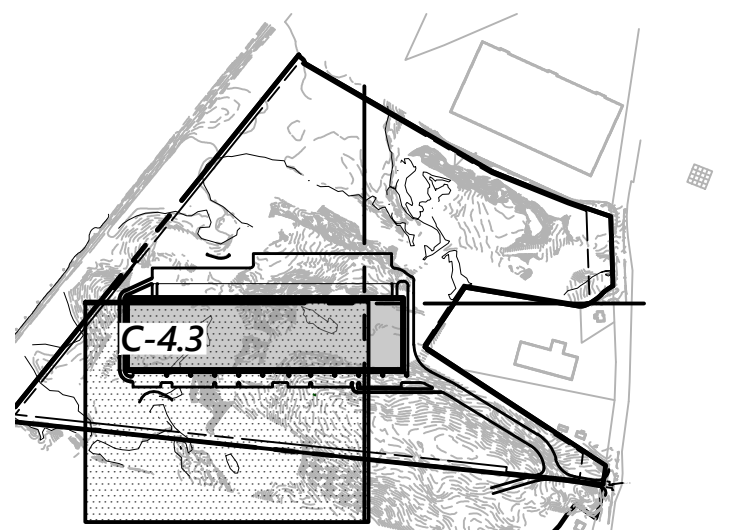








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| Proposed Warehouse                           |                                      |            |        |
|--|--------------------------------------|------------|--------|
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|---|----------------------------------|

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Drawing Title

**Grading, Drainage  
and Erosion Control Plan**

Drawing Number

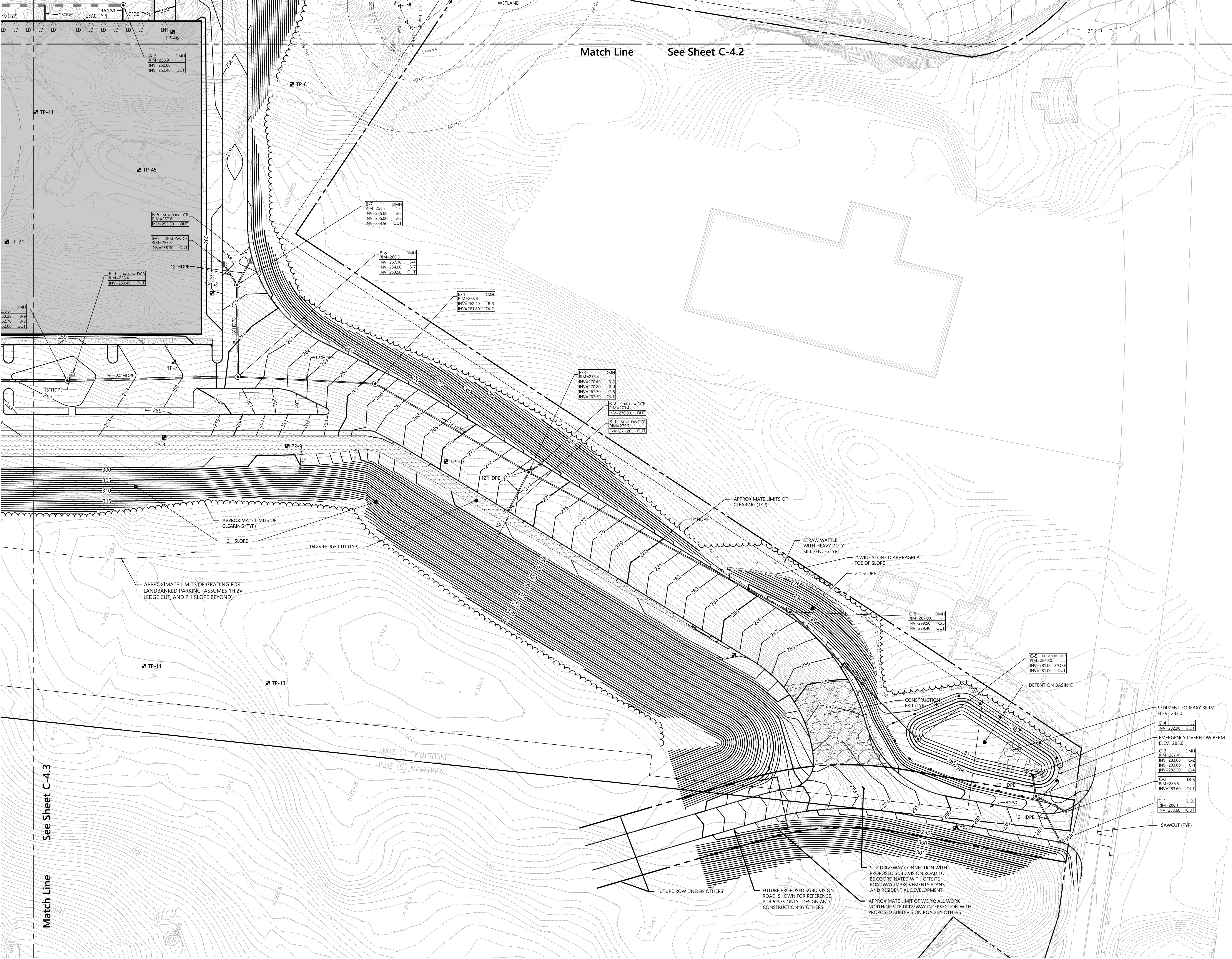
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11 25

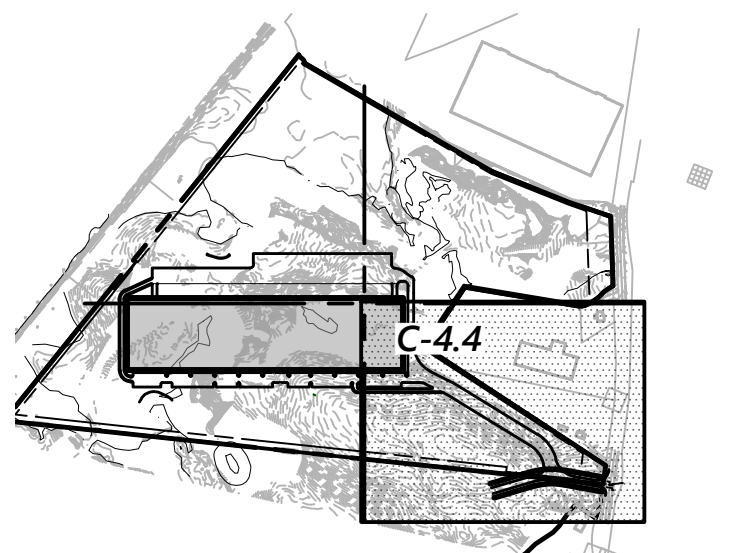
Project Number  
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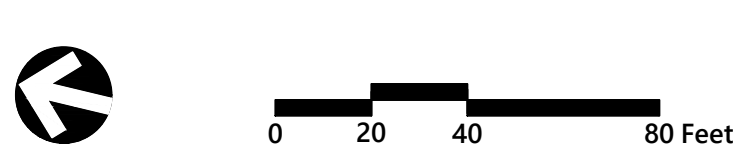


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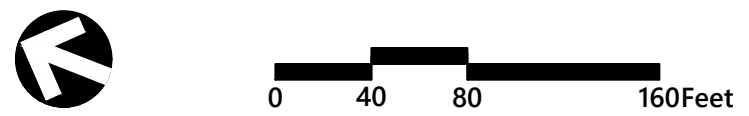
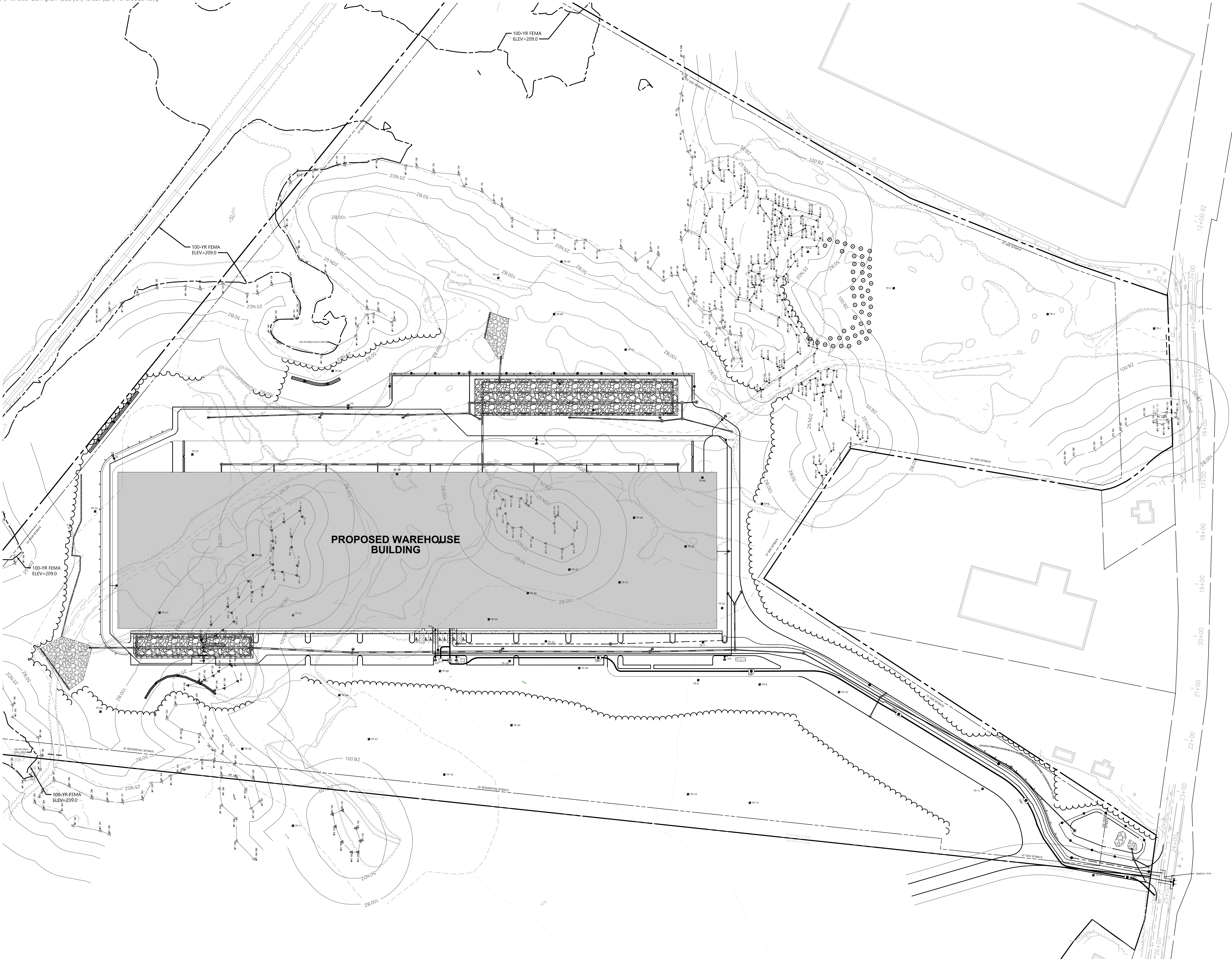
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Drawing Title  
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## Proposed Warehouse

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Local Approvals November 20, 2018

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Drawing Title  
**Overall Utility Plan**

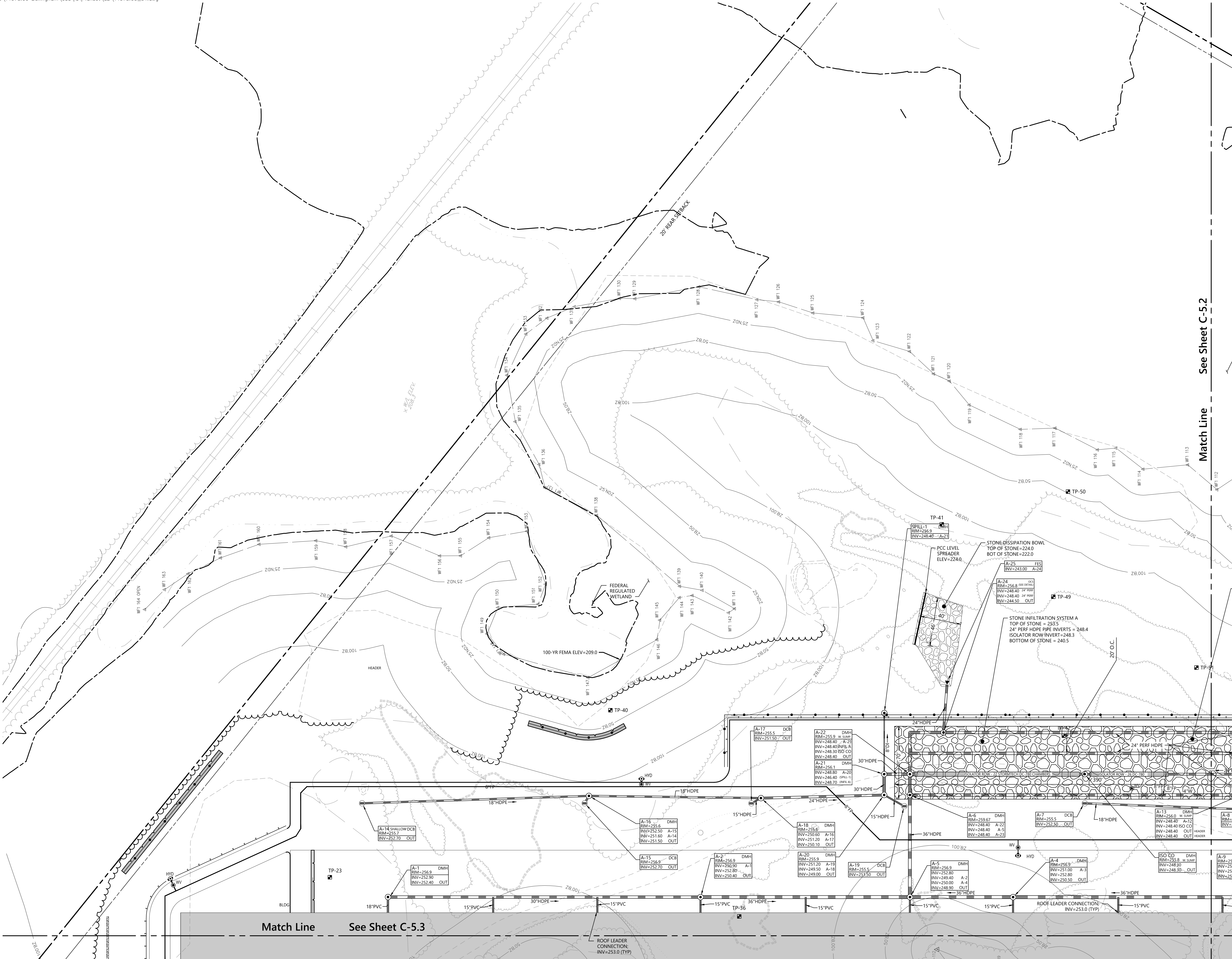
Drawing Number

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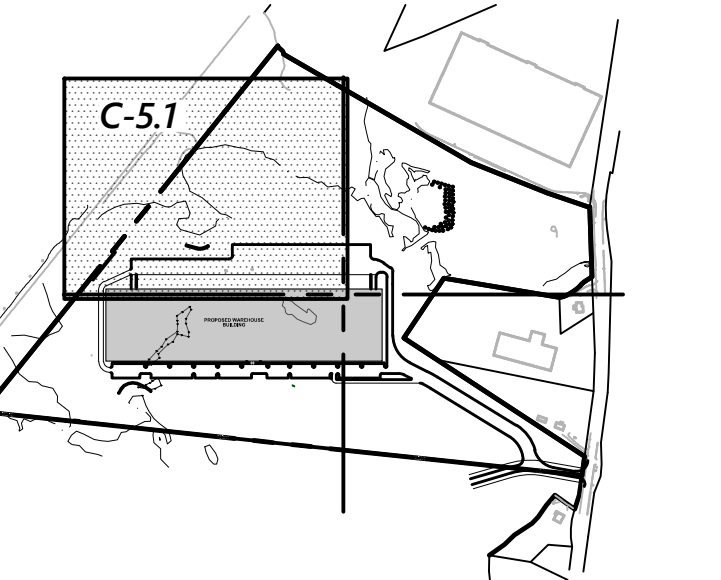
Project Number  
14073.00



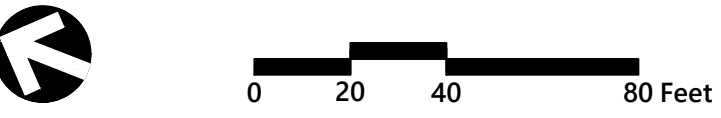


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**Key**  
1" = 800'



## Proposed Warehouse

### Mechanic Street Bellingham, Massachusetts

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**Local Approvals** November 20, 2018

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Drawing Title  
**Utility Plan**

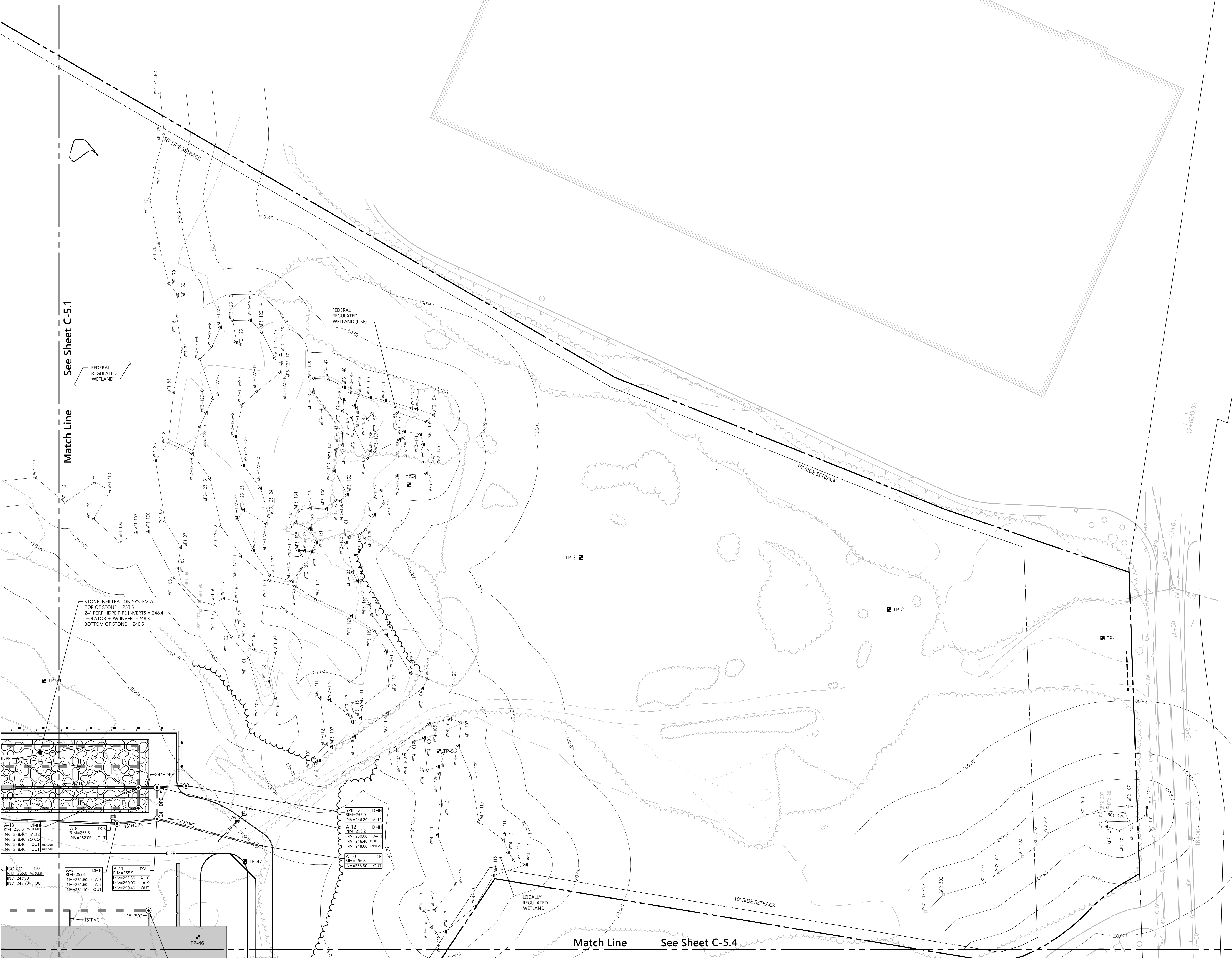
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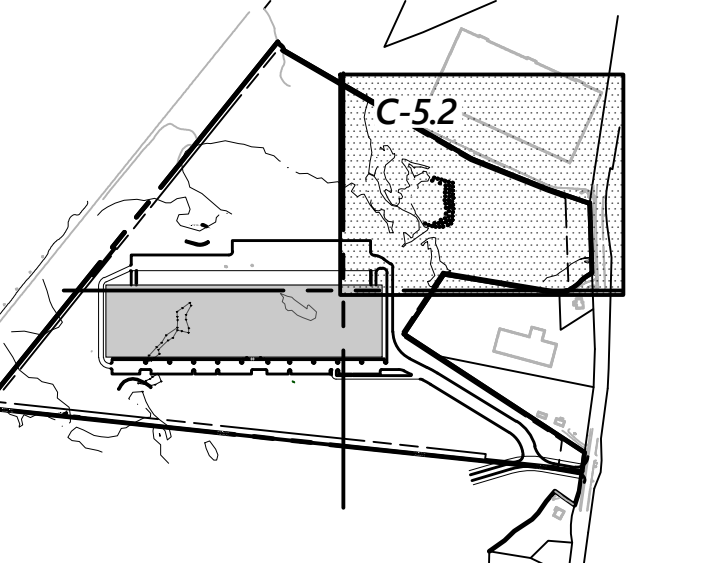
Project Number  
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| Designed by | Checked by |
|-------------|------------|
| JRB         | CPN        |
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Drawing Title

## Utility Plan

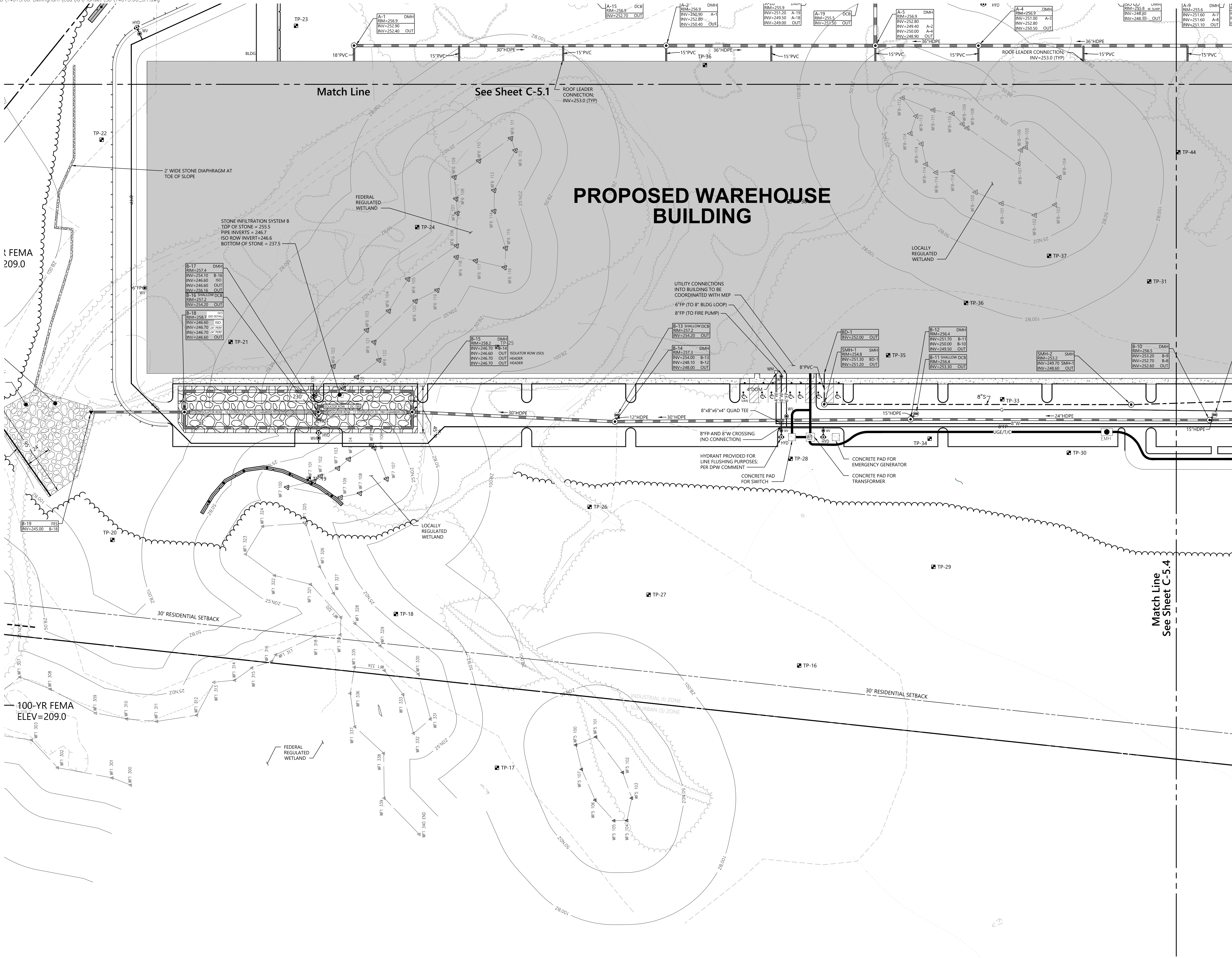
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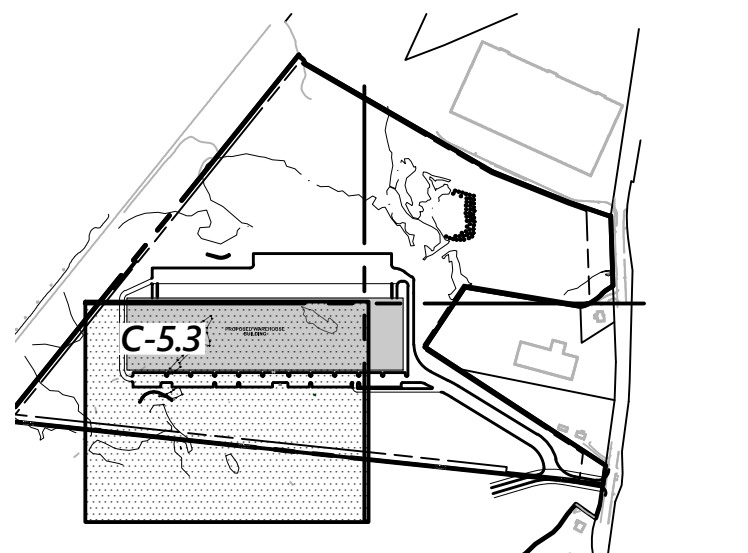
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| 3   | Planning/ConCom/Peer Review Comments | 3/20/2019  | CPN    |
| 4   | Planning/ConCom/Peer Review Comments | 5/21/2019  | CPN    |
| 5   | Planning/ConCom/Peer Review Comments | 6/20/2019  | CPN    |

Designed by  
**JRB**  
Issued for

Checked by  
**CPN**  
Date  
**November 20, 2018**

Not Approved for Construction

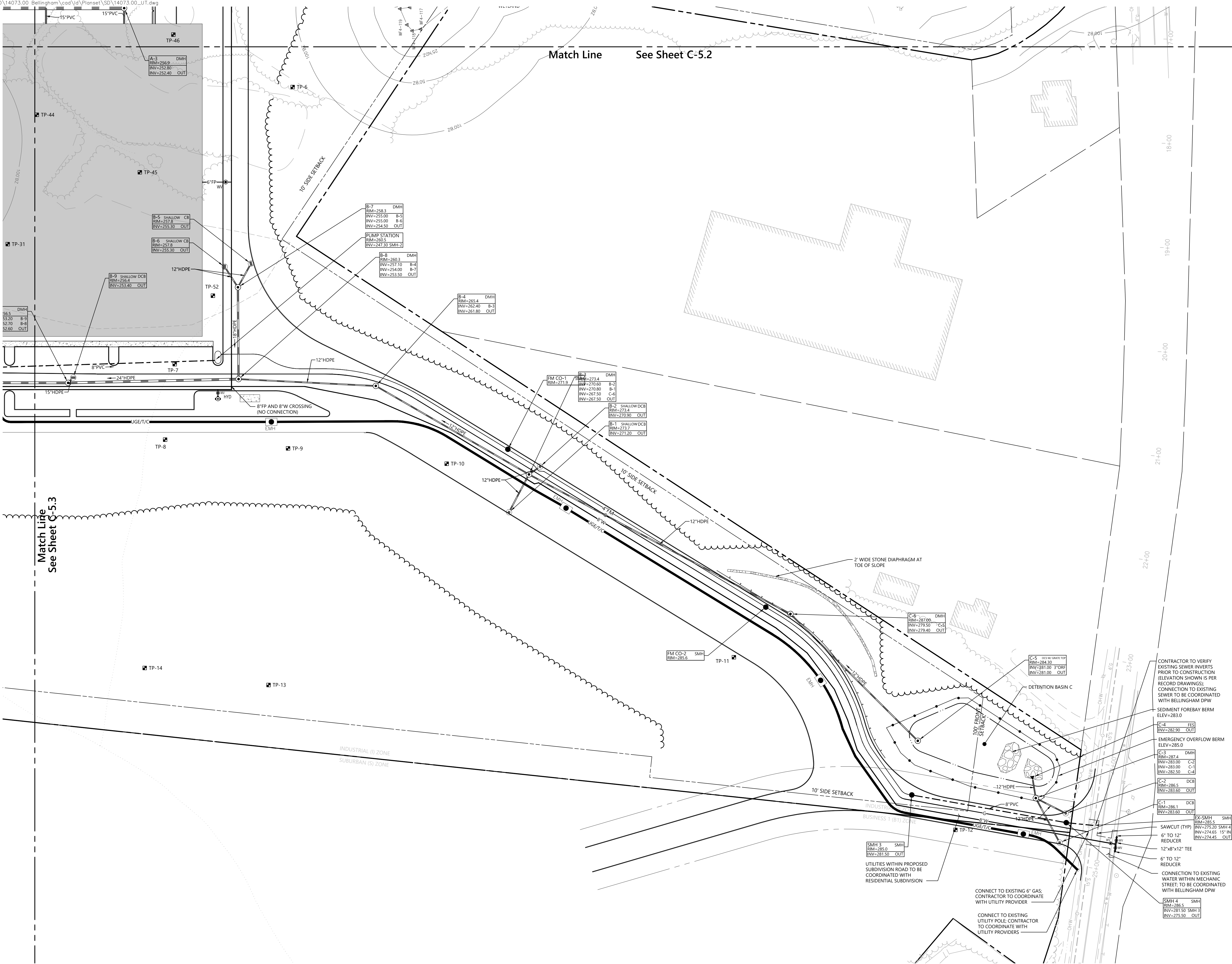
Drawing Title  
**Utility Plan**

Drawing Number  
**C-5.3**

Sheet  
**16** of  
**25**

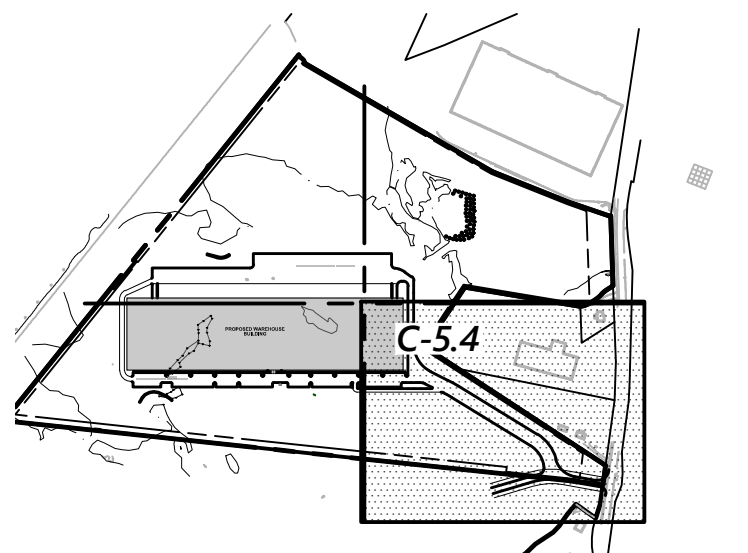
Project Number  
**14073.00**







101 Walnut Street  
PO Box 9151  
Watertown, MA 02471  
617.924.1770



**Key**  
1" = 800'



### Proposed Warehouse

Mechanic Street  
Bellingham, Massachusetts

| No. | Revision                             | Date       | Apprd. |
|-----|--------------------------------------|------------|--------|
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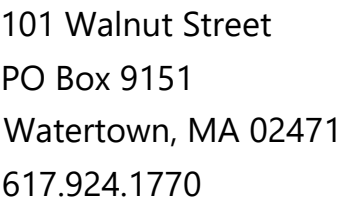
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**Utility Plan**

Drawing Number  
**C-5.4**

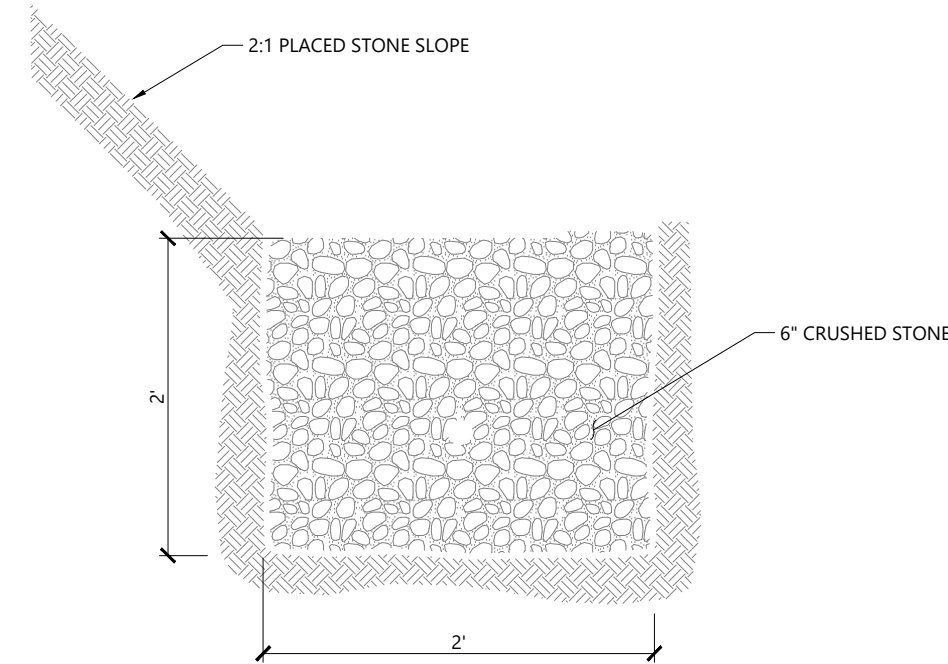
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**25**

Project Number  
**14073.00**

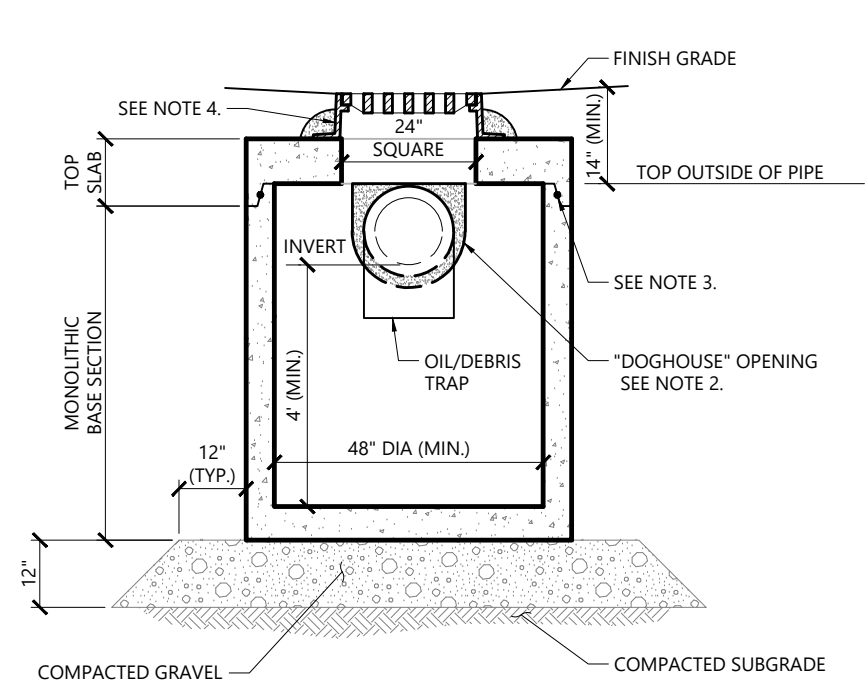






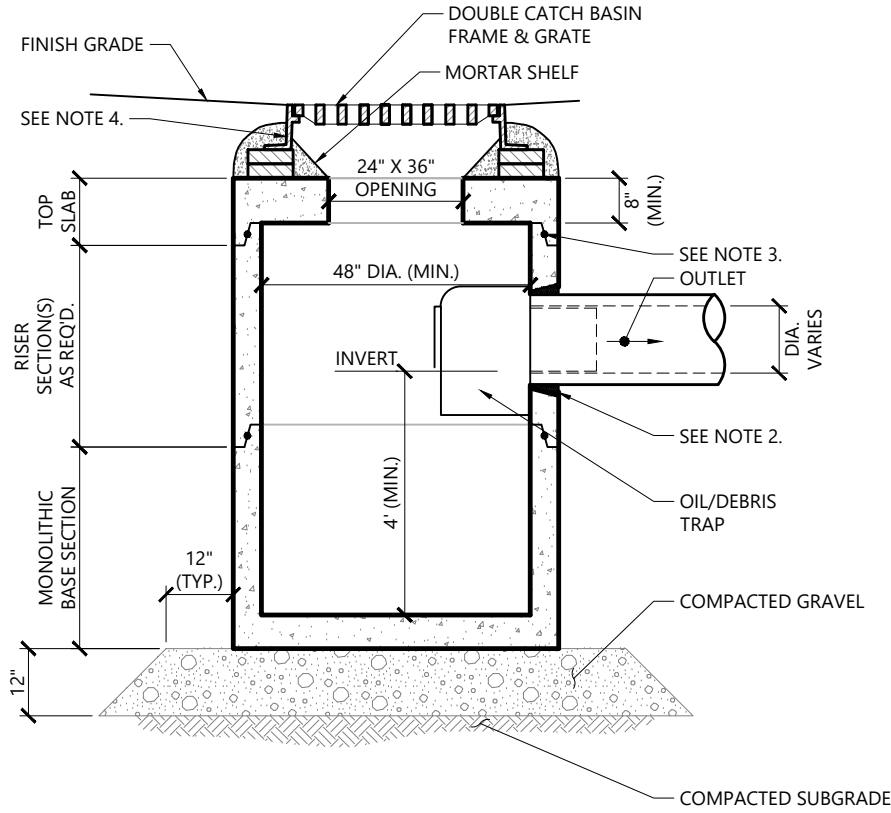


Stone Diaphragm at Toe of Slope  
N.T.S. Source: VHB



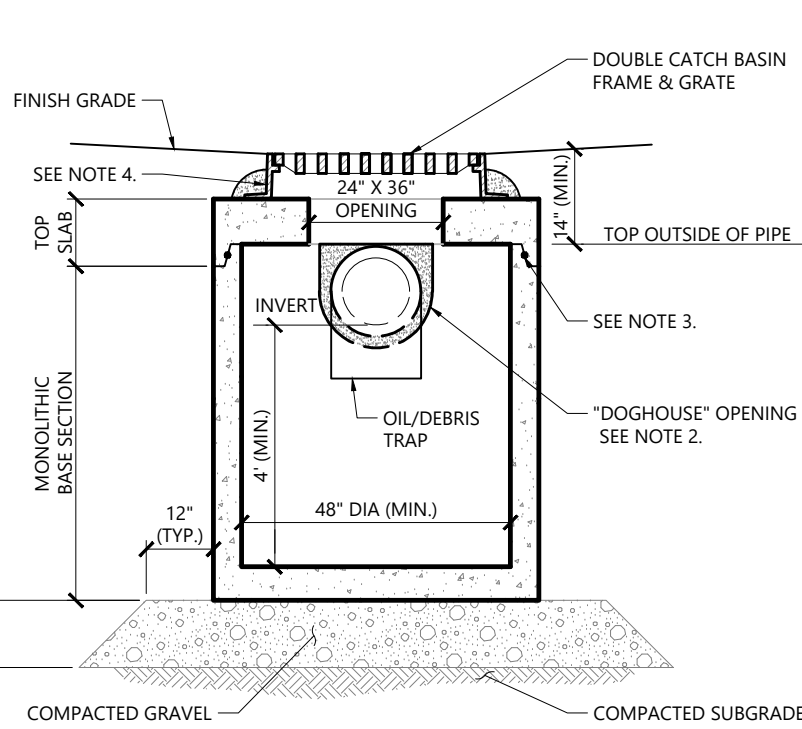
- NOTES**
1. ALL SECTIONS SHALL BE DESIGNED FOR HS-20 LOADING.
  2. PROVIDE DOGHOUSE OPENING FOR PIPES WITH 2" MAX. CLEARANCE TO OUTSIDE OF PIPE. TOP SLAB SHALL NOT REST DIRECTLY ON PIPE. GROUT ALL PIPE CONNECTIONS (NON-SHRINK GROUT).
  3. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PERFORMED BUTYL RUBBER.
  4. CATCH BASIN FRAME AND GRATE (4"DEPTH) SHALL BE SET IN FULL MORTAR BED.
  5. ADJUST TO FINISH GRADE WITH CLAY BRICK AND MORTAR AS REQUIRED.

Catch Basin (CB) Shallow Cover with Oil/Debris Trap 1/16  
N.T.S. Source: VHB LD\_105



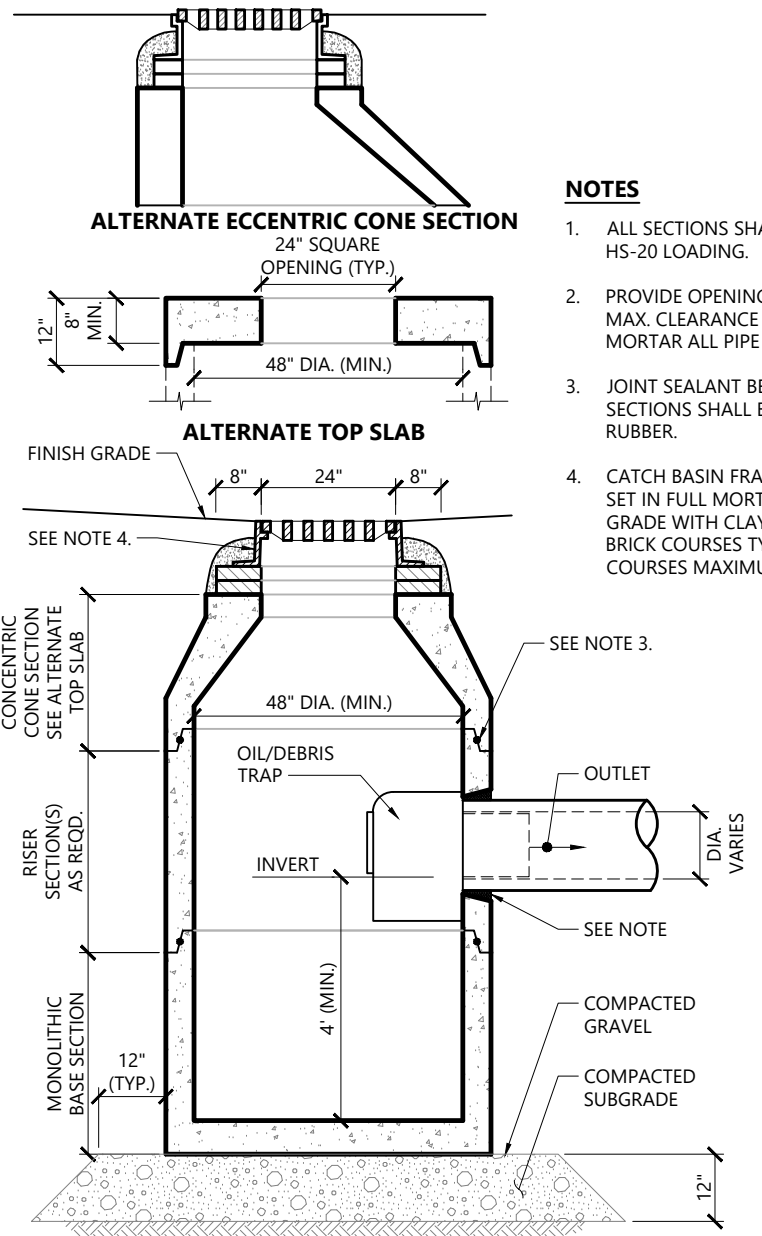
- NOTES**
1. ALL SECTIONS SHALL BE DESIGNED FOR HS-20 LOADING.
  2. PROVIDE OPENINGS FOR PIPES WITH 2" MAX. CLEARANCE TO OUTSIDE OF PIPE. MORTAR ALL PIPE CONNECTIONS.
  3. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE BUTYL RUBBER.
  4. DOUBLE CATCH BASIN FRAME AND GRATE SHALL BE SET IN FULL MORTAR BED. ADJUST TO GRADE WITH CLAY BRICK AND MORTAR (2 BRICK COURSES MAXIMUM).

Double Grate Catch Basin (DCB) with Oil/Debris Trap 1/16  
N.T.S. Source: VHB LD\_103



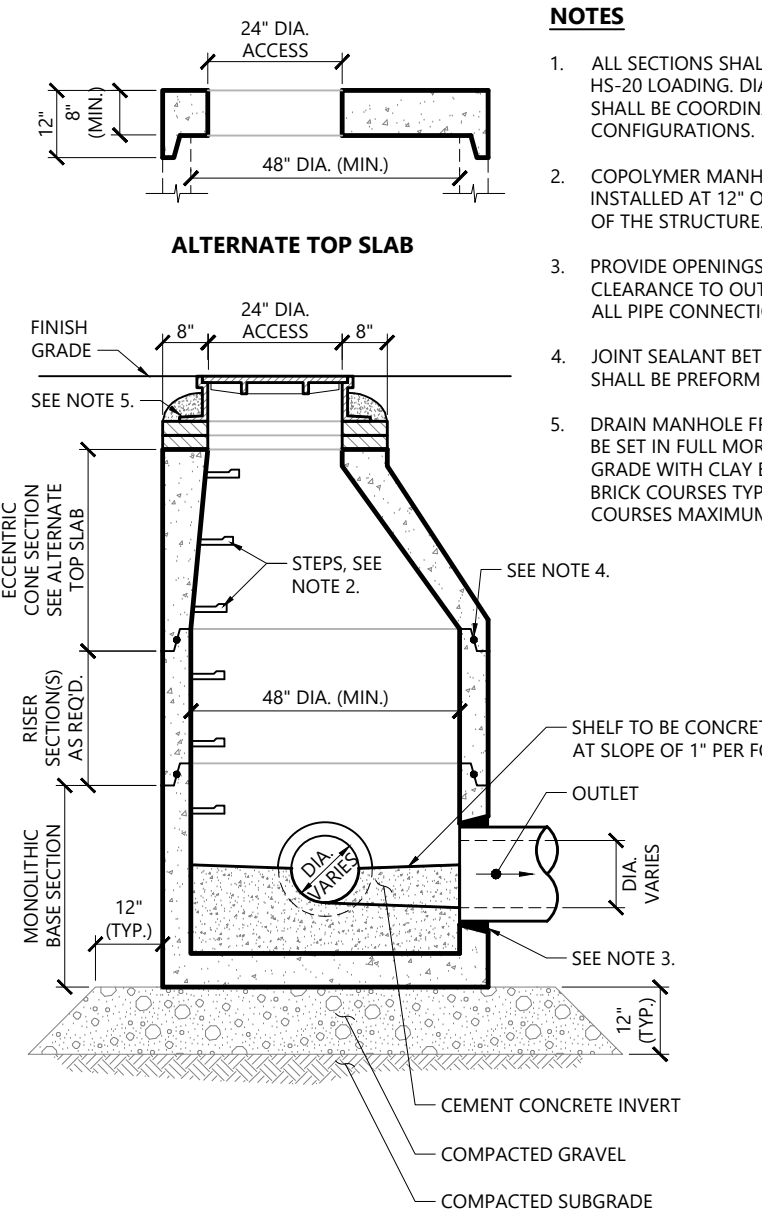
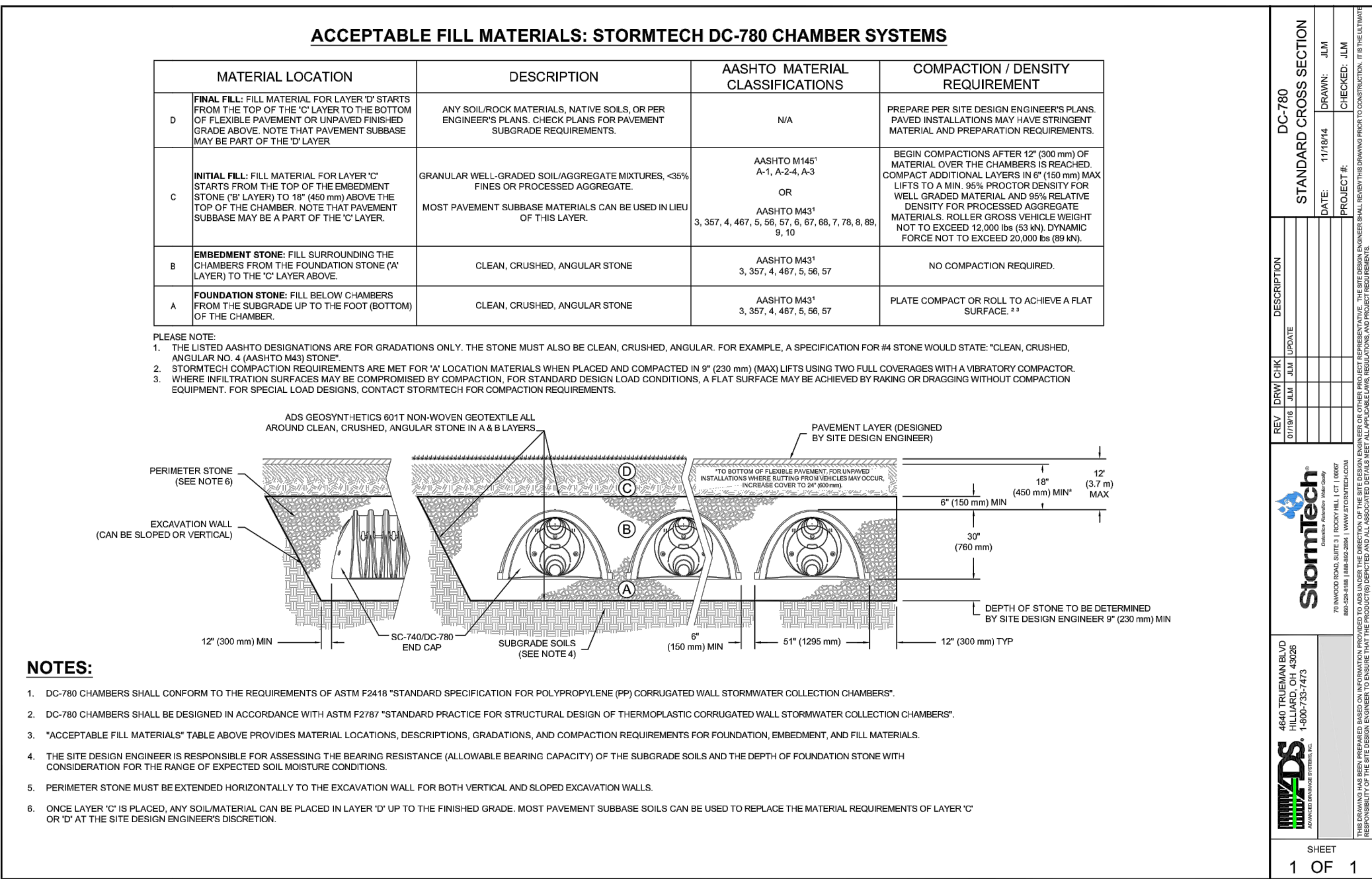
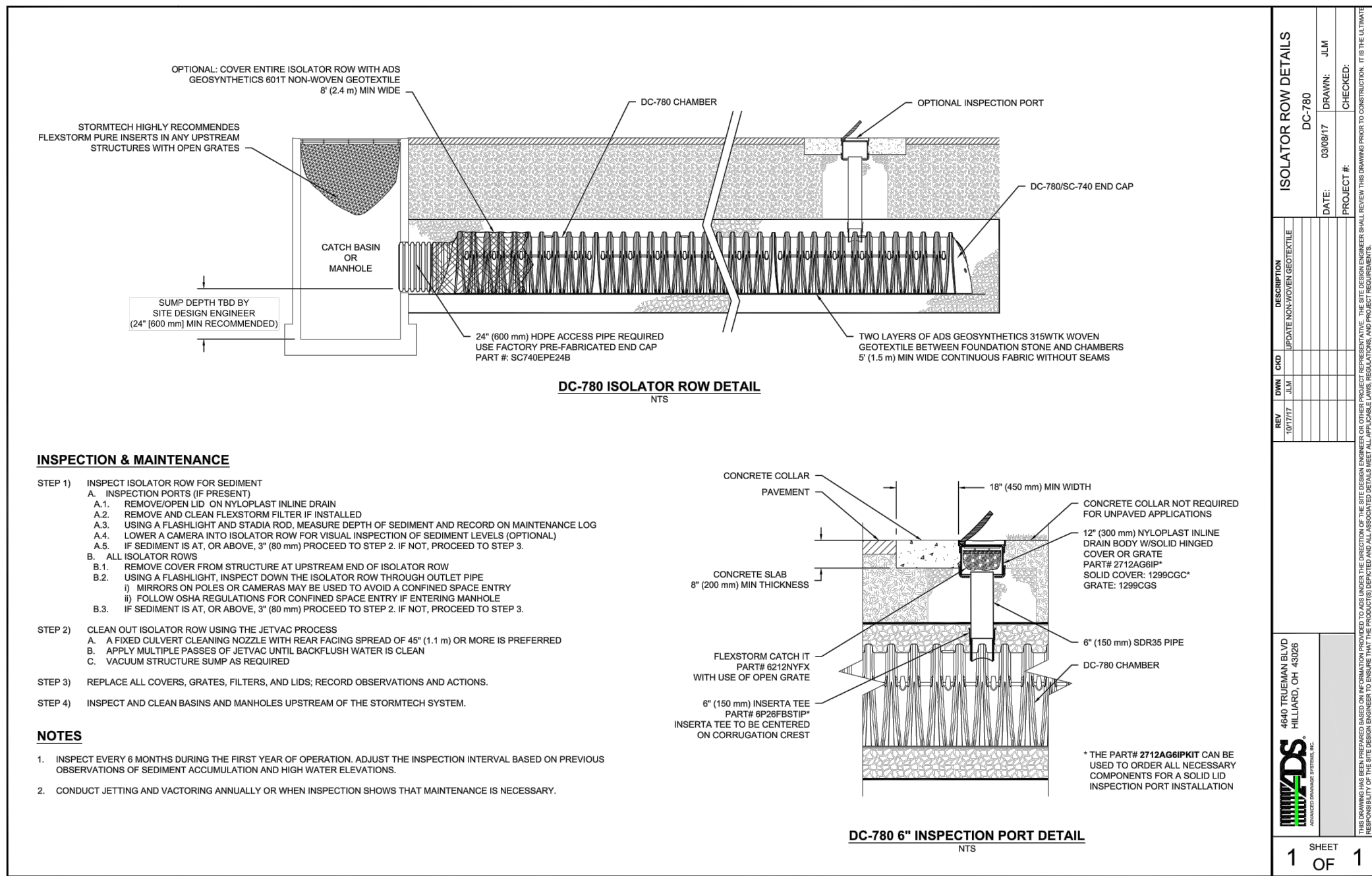
- NOTES**
1. ALL SECTIONS SHALL BE DESIGNED FOR HS-20 LOADING.
  2. PROVIDE DOGHOUSE OPENING FOR PIPES WITH 2" MAX. CLEARANCE TO OUTSIDE OF PIPE. TOP SLAB SHALL NOT REST DIRECTLY ON PIPE. GROUT ALL PIPE CONNECTIONS (NON-SHRINK GROUT).
  3. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PERFORMED BUTYL RUBBER.
  4. CATCH BASIN FRAME AND GRATE (4"DEPTH) SHALL BE SET IN FULL MORTAR BED.
  5. ADJUST TO FINISH GRADE WITH CLAY BRICK AND MORTAR AS REQUIRED.

Double Grate Catch Basin (DCB) Shallow with Oil/Debris Trap 1/16  
N.T.S. Source: VHB LD\_103



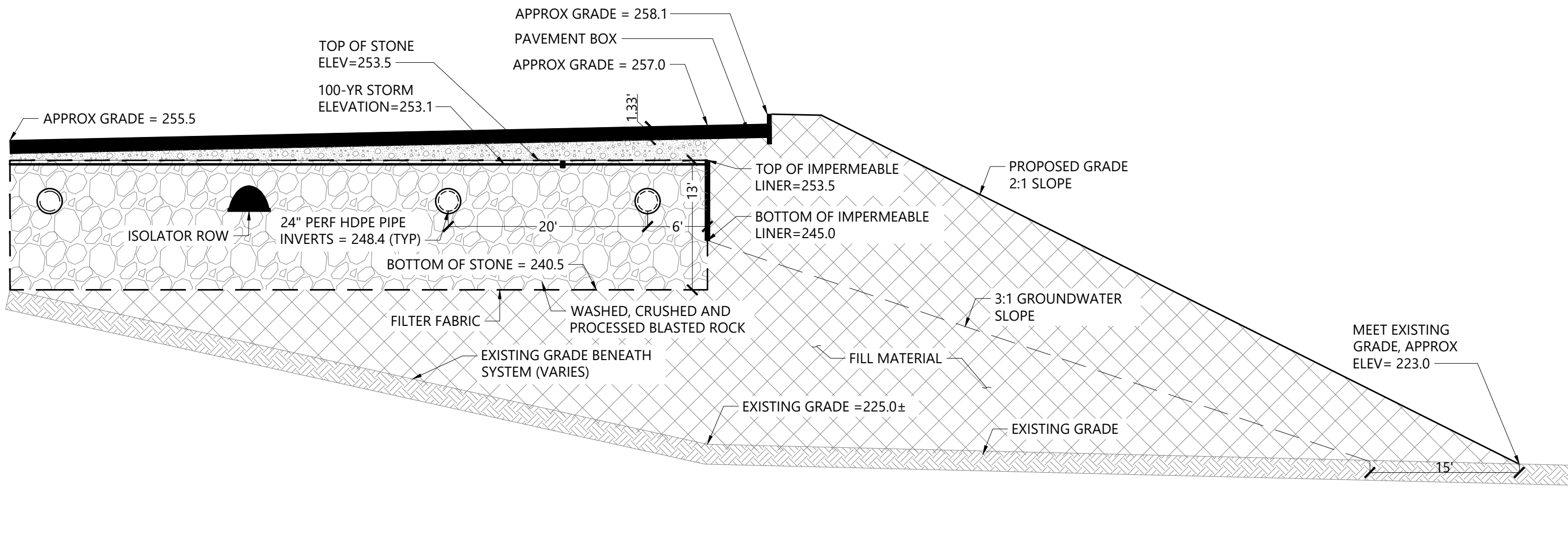
- NOTES**
1. ALL SECTIONS SHALL BE DESIGNED FOR HS-20 LOADING.
  2. PROVIDE OPENINGS FOR PIPES WITH 2" MAX. CLEARANCE TO OUTSIDE OF PIPE. MORTAR ALL PIPE CONNECTIONS.
  3. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PERFORMED BUTYL RUBBER.
  4. CATCH BASIN FRAME AND GRATE SHALL BE SET IN FULL MORTAR BED. ADJUST TO GRADE WITH CLAY BRICK AND MORTAR (2 BRICK COURSES TYPICALLY, 5 BRICK COURSES MAXIMUM).

Catch Basin (CB) With Oil/Debris Trap 1/16  
N.T.S. Source: VHB LD\_101

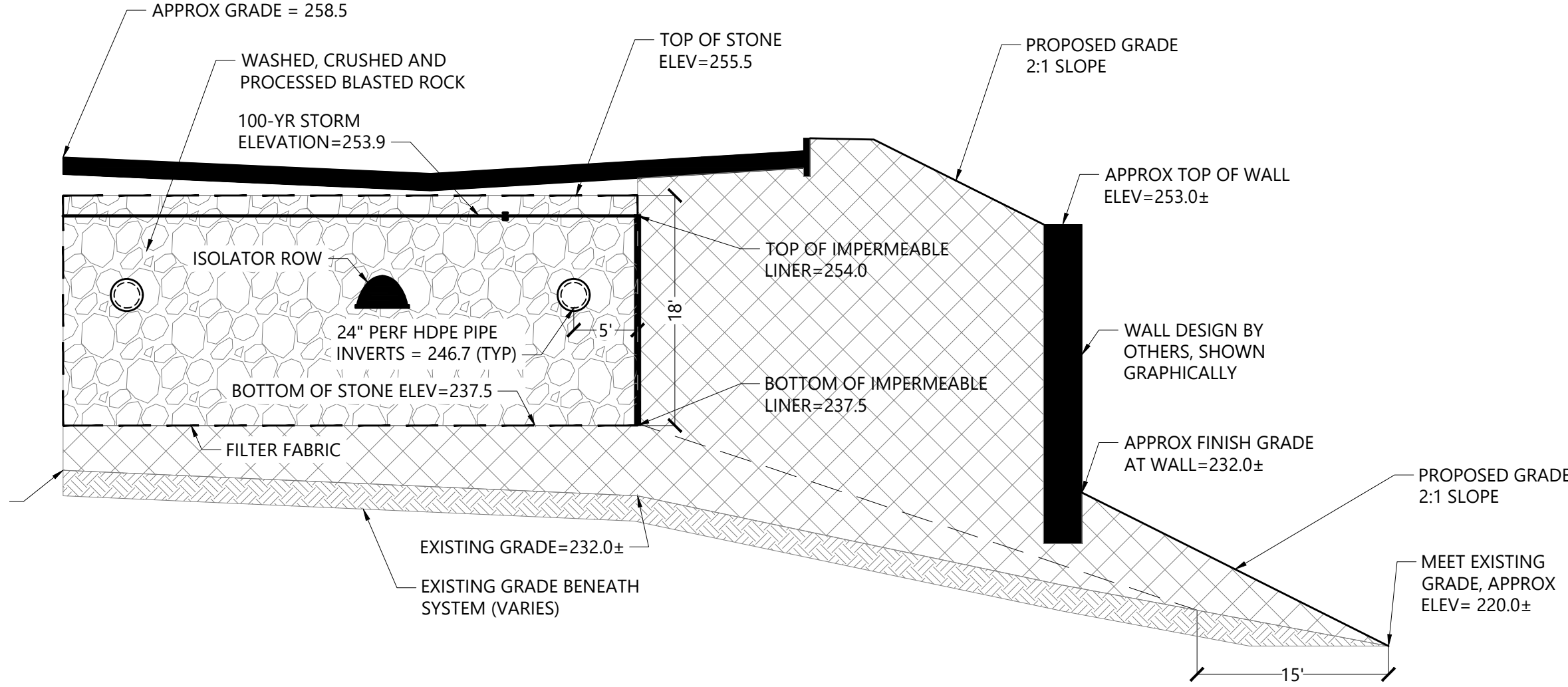


- NOTES**
1. ALL SECTIONS SHALL BE DESIGNED FOR HS-20 LOADING. DIAMETER OF STRUCTURES SHALL BE COORDINATED WITH PIPE CONFIGURATIONS.
  2. COPOLYMER MANHOLE STEPS SHALL BE INSTALLED AT 12\"/>
  3. PROVIDE OPENINGS FOR PIPES WITH 2" MAX. CLEARANCE TO OUTSIDE OF PIPE. MORTAR ALL PIPE CONNECTIONS.
  4. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PERFORMED BUTYL RUBBER.
  5. DRAIN MANHOLE FRAME AND COVER SHALL BE SET IN FULL MORTAR BED. ADJUST TO GRADE WITH CLAY BRICK AND MORTAR (2 BRICK COURSES TYPICALLY, 5 BRICK COURSES MAXIMUM).

Drain Manhole (DMH) 1/16  
N.T.S. Source: VHB LD\_115



Stone Infiltration System A  
N.T.S. Source: VHB



Stone Infiltration System B  
N.T.S. Source: VHB

## Proposed Warehouse

Mechanic Street  
Bellingham, Massachusetts

| No. | Revision                             | Date       | Appr. |
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Designed by JRB  
Issued for  
Checked by CPN  
Date

Local Approvals  
November 20, 2018

Not Approved for Construction

Site Details 2

Drawing Number

C-6.2

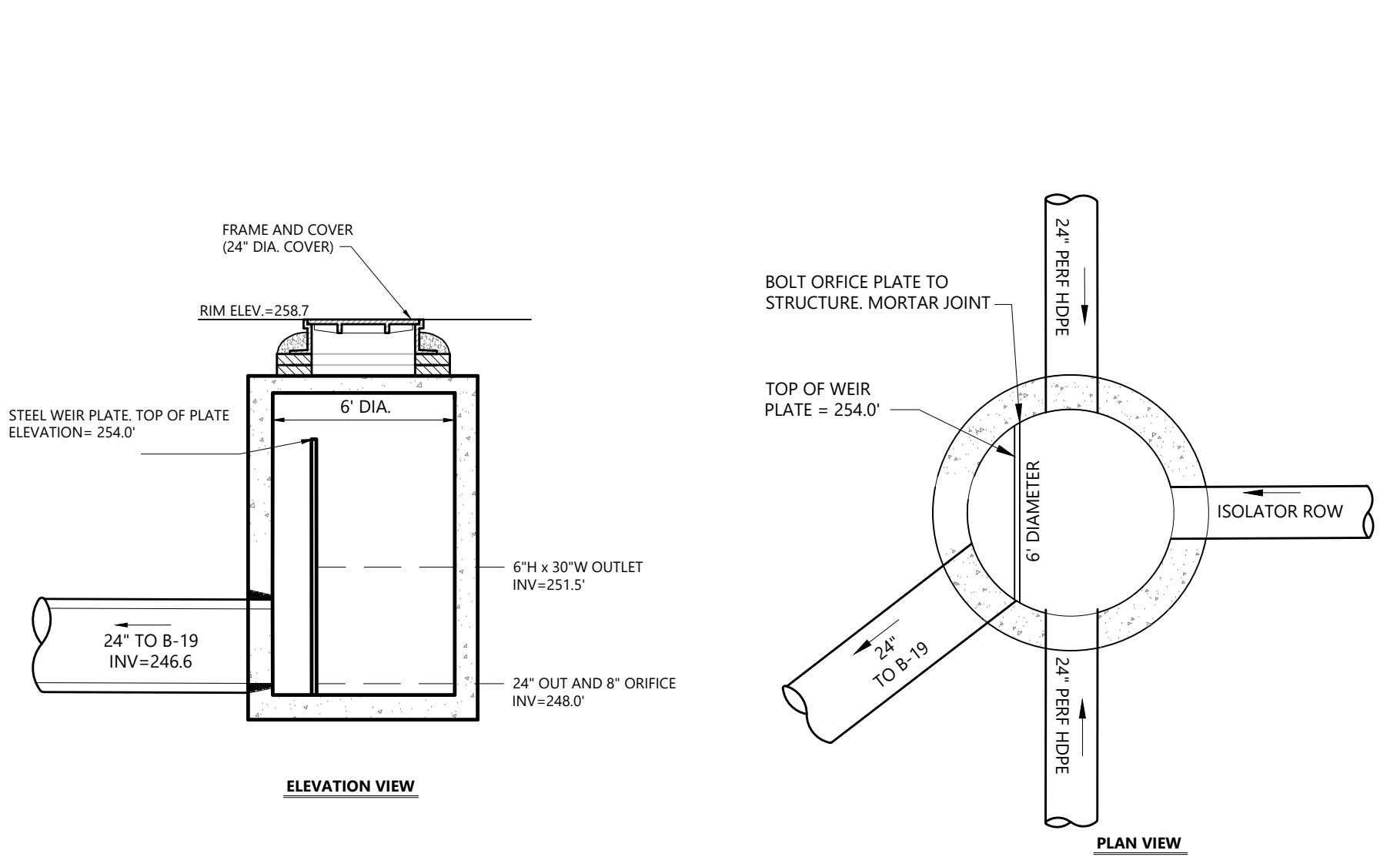
Sheet 19 of 25

Project Number  
14073.00





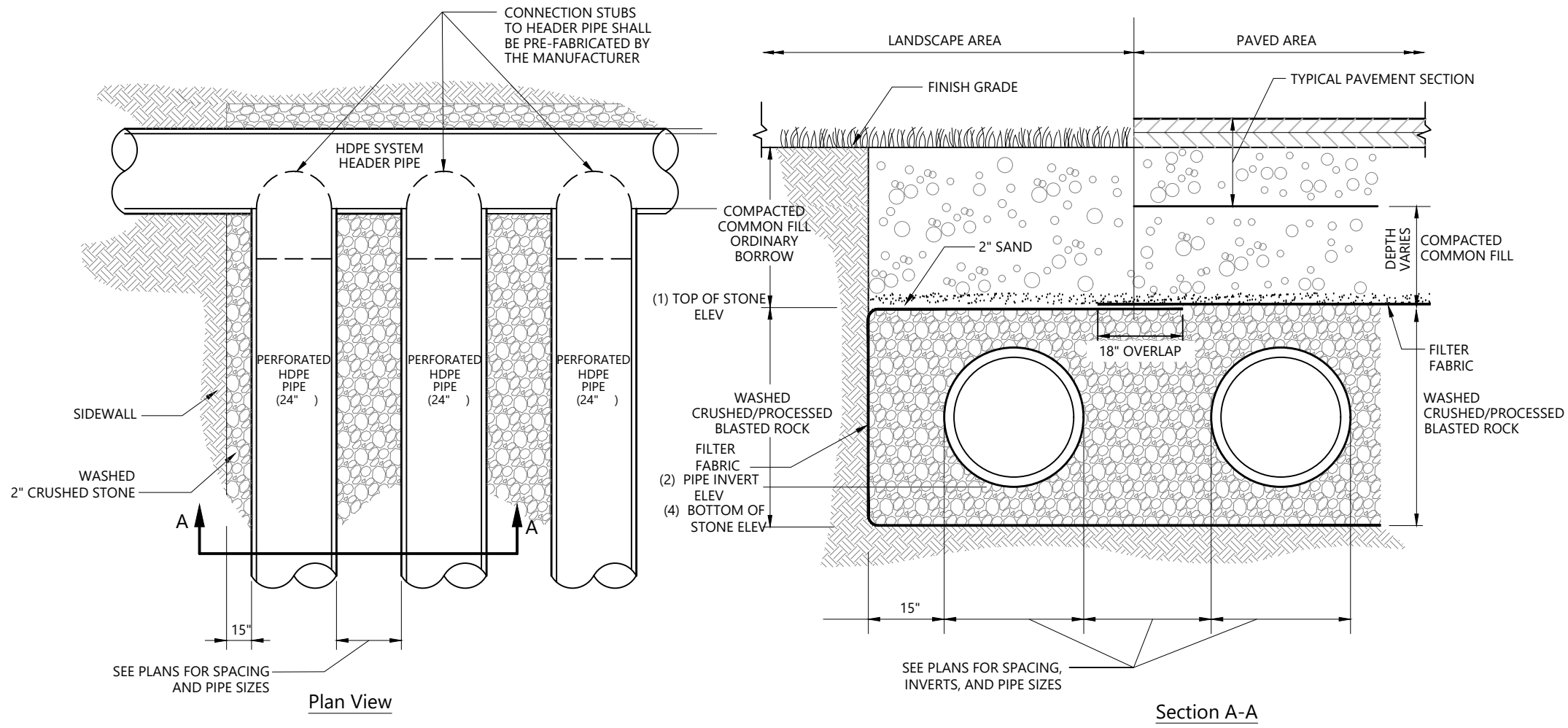
101 Walnut Street  
PO Box 9151  
Watertown, MA 02471  
617.924.1770



1. DIAGRAM PROVIDED FOR CLARIFICATION OF OUTLET CONTROL COMPONENTS. REFER TO DRAIN MANHOLE (DMH) DETAIL FOR FURTHER DETAIL

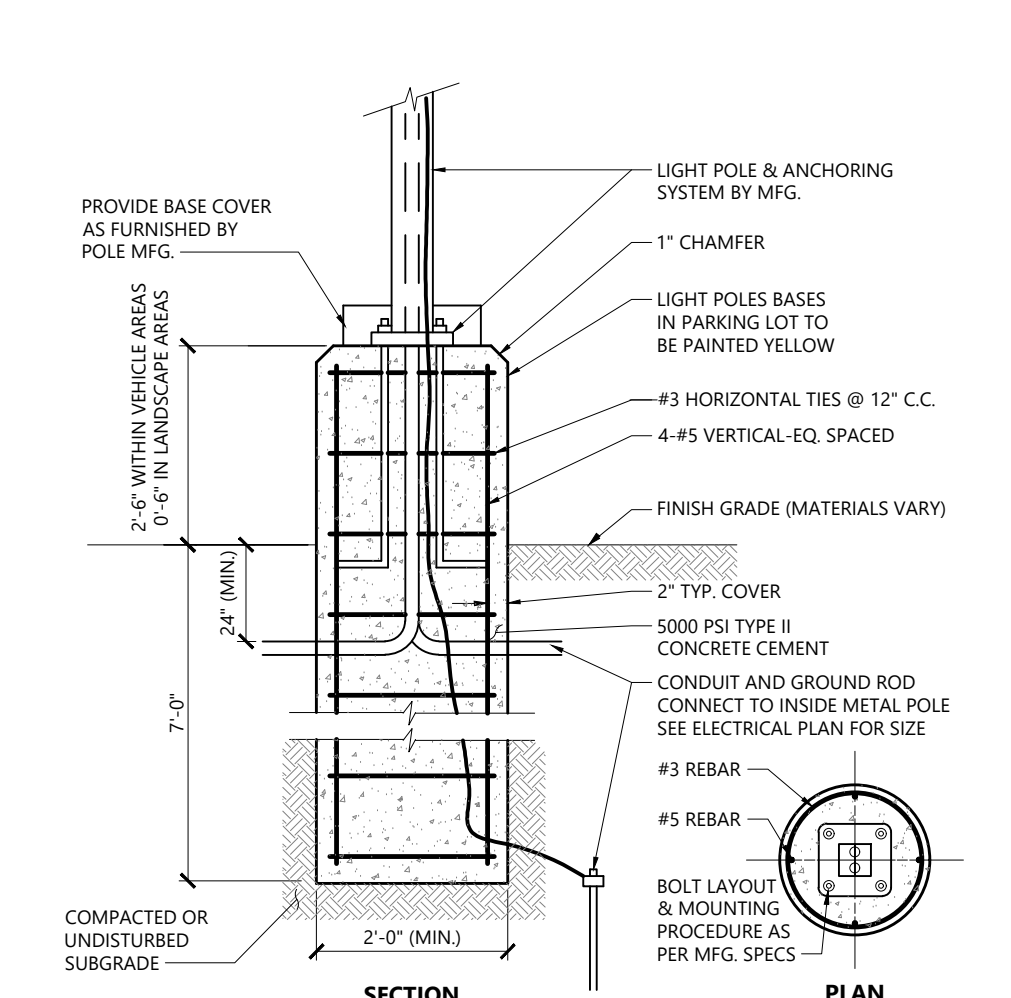
OUTLET CONTROL STRUCTURE (B-18)

N.T.S. Source: VHB



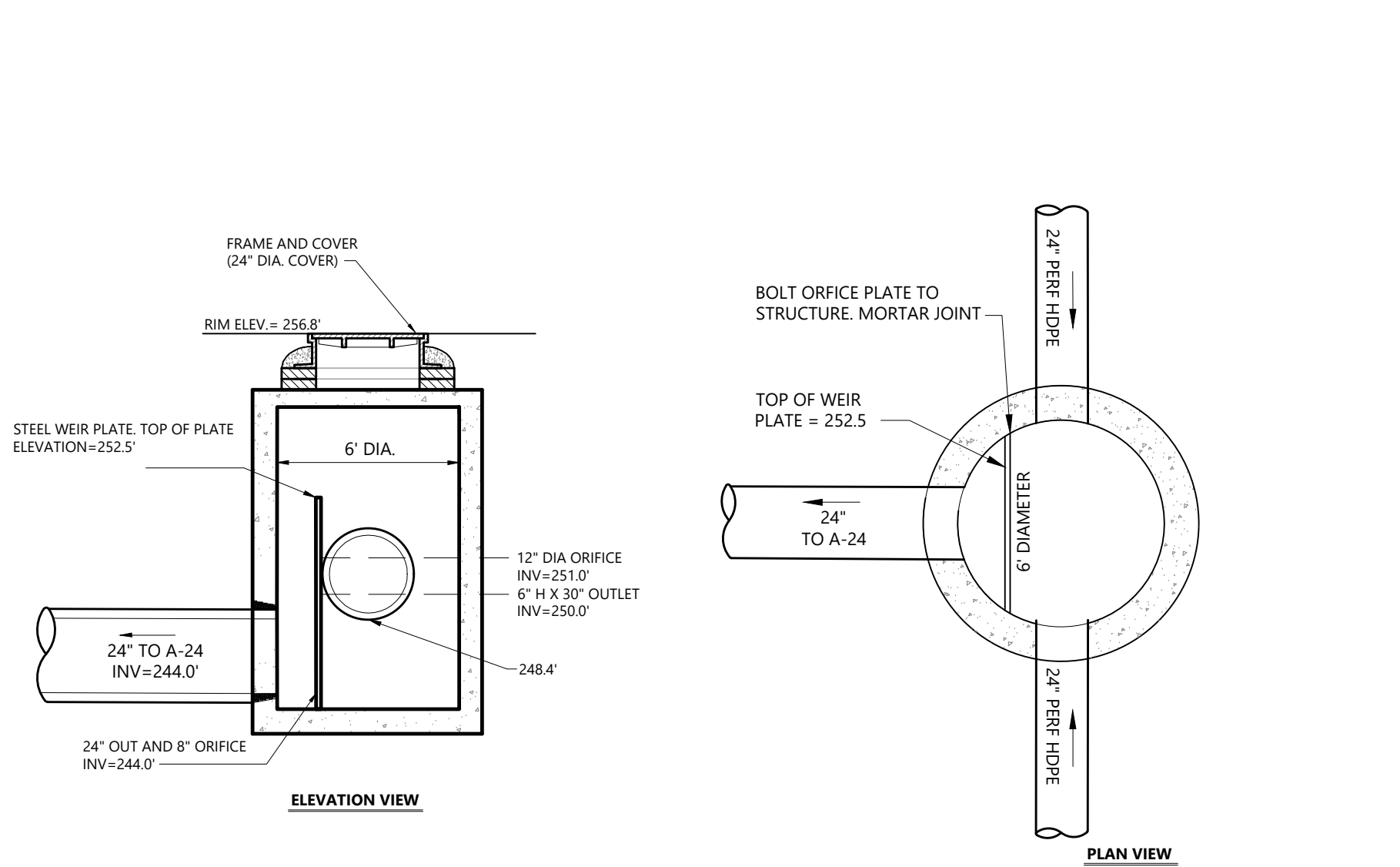
Typical Section - Stone Infiltration System

N.T.S. Source: VHB



Light Pole Foundation Detail (Up to 40' Pole)

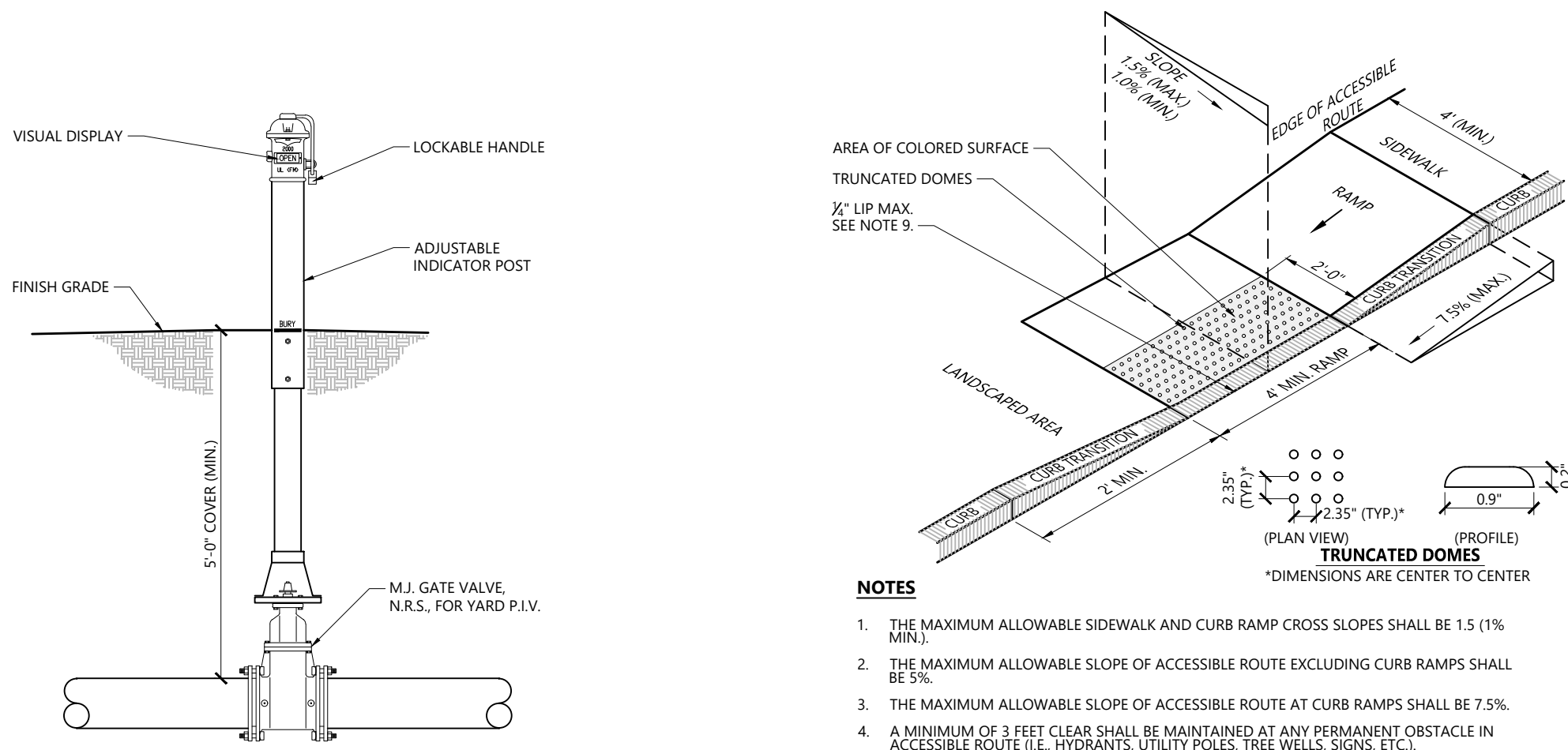
N.T.S. Source: VHB REV LD\_310



1. DIAGRAM PROVIDED FOR CLARIFICATION OF OUTLET CONTROL COMPONENTS. REFER TO DRAIN MANHOLE (DMH) DETAIL FOR FURTHER DETAIL

OUTLET CONTROL STRUCTURE (A-24)

N.T.S. Source: VHB

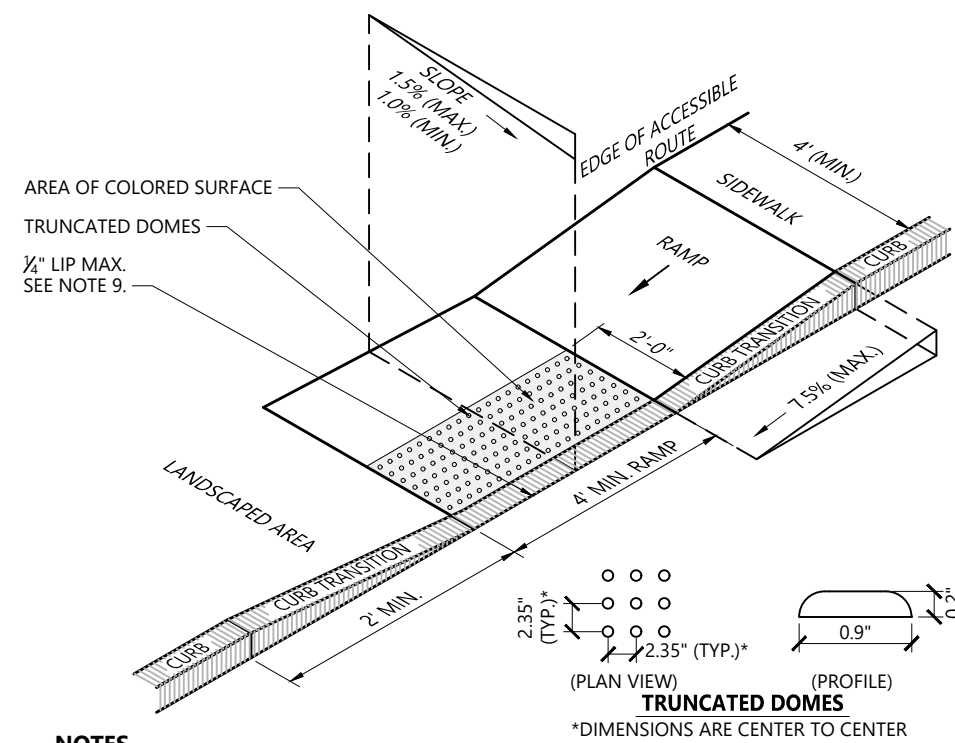


NOTES

1. USE FOR "PIV" DESIGNATION ON PLAN SHEETS. SEE DRAWINGS FOR DIAMETERS.

Post Indicator Valve (PIV)

N.T.S. Source: VHB LD\_267

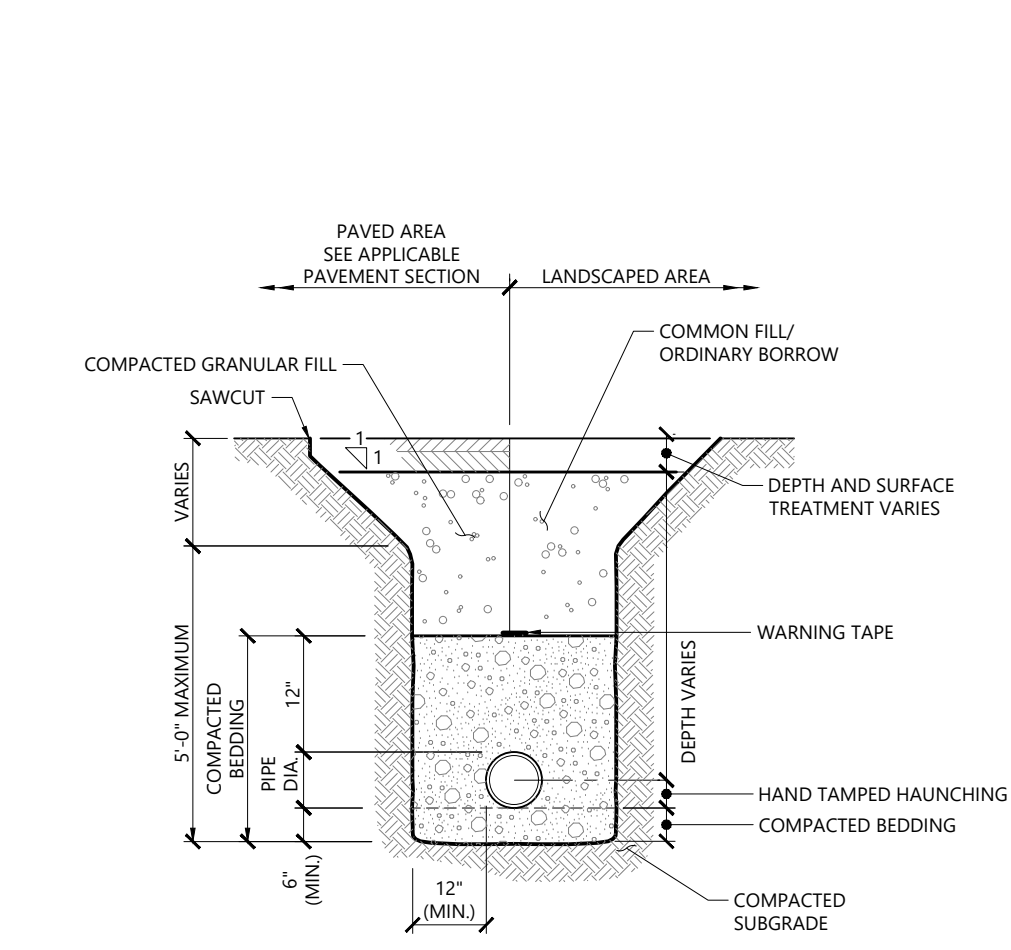


NOTES

1. THE MAXIMUM ALLOWABLE SIDEWALK AND CURB RAMP CROSS SLOPES SHALL BE 1.5 (1% MIN).
2. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE EXCLUDING CURB RAMP SHALL BE 5%.
3. THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE AT CURB RAMP SHALL BE 7.5%.
4. A MINIMUM OF 3 FEET CLEAR SHALL BE MAINTAINED AT ANY PERMANENT OBSTACLE IN ACCESSIBLE ROUTE (I.E. HYDRANTS, UTILITY POLES, TREE WELLS, SIGNS, ETC.).
5. CURB TREATMENT VARIES, SEE PLANS FOR CURB TYPE.
6. RAMP, CURB AND ADJACENT PAVEMENTS SHALL BE GRADED TO PREVENT PONDING.
7. SEE TYPICAL SIDEWALK SECTION FOR RAMP CONSTRUCTION.
8. WHERE ACCESSIBLE ROUTES ARE LESS THAN 5' IN WIDTH (EXCLUDING CURBING) A 5' x 5' PASSING AREA SHALL BE PROVIDED AT INTERVALS NOT TO EXCEED 300 FEET.
9. ELIMINATE CURBING AT RAMP WHERE IT ABUTS ROADWAY. EXCEPT WHERE VERTICAL CURBING IS INDICATED ON THE DRAWINGS TO BE INSTALLED AND SET FLUSH.
10. DETECTABLE WARNINGS SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES.
11. DETECTABLE WARNINGS SHALL BE INSTALLED PERPENDICULAR TO THE ACCESSIBLE ROUTE.
12. CONTRACTOR TO SUBMIT R.F.I. FOR THIS TYPE OF ACCESSIBLE CURB RAMP FOR APEX ROADWAY CROSSINGS.

Accessible Curb Ramp (ACR) Type 'G-D'

N.T.S. Source: VHB LD\_506

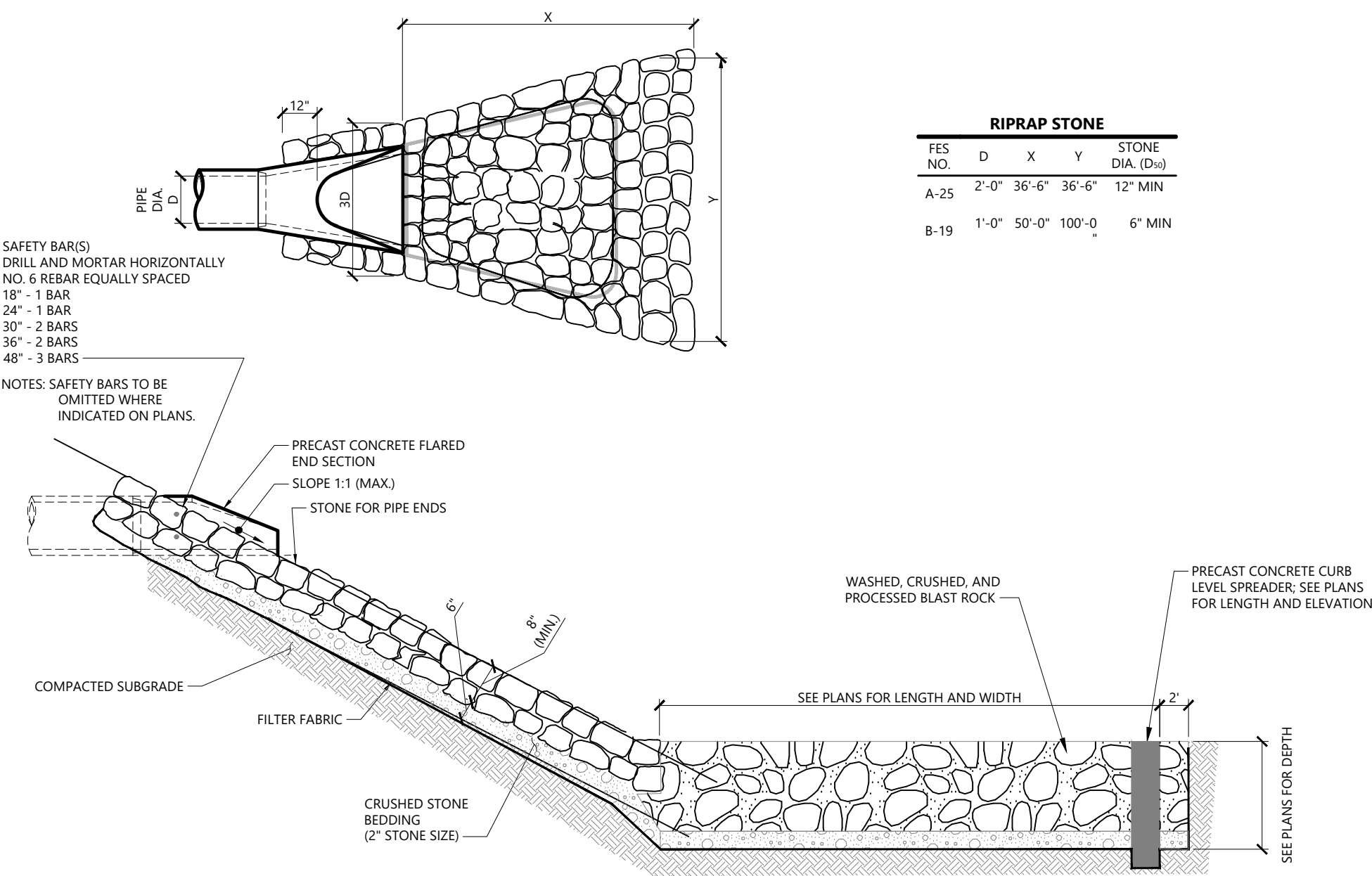


NOTES

1. WHERE UTILITY TRENCHES ARE CONSTRUCTED THROUGH DETENTION BASIN BERMS OR OTHER SUCH SPECIAL SECTIONS, PLACE TRENCH BACKFILL WITH MATERIALS SIMILAR TO THE SPECIAL SECTION REQUIREMENTS.
2. USE METALLIC TRACING/WARNING TAPE OVER ALL PIPES.

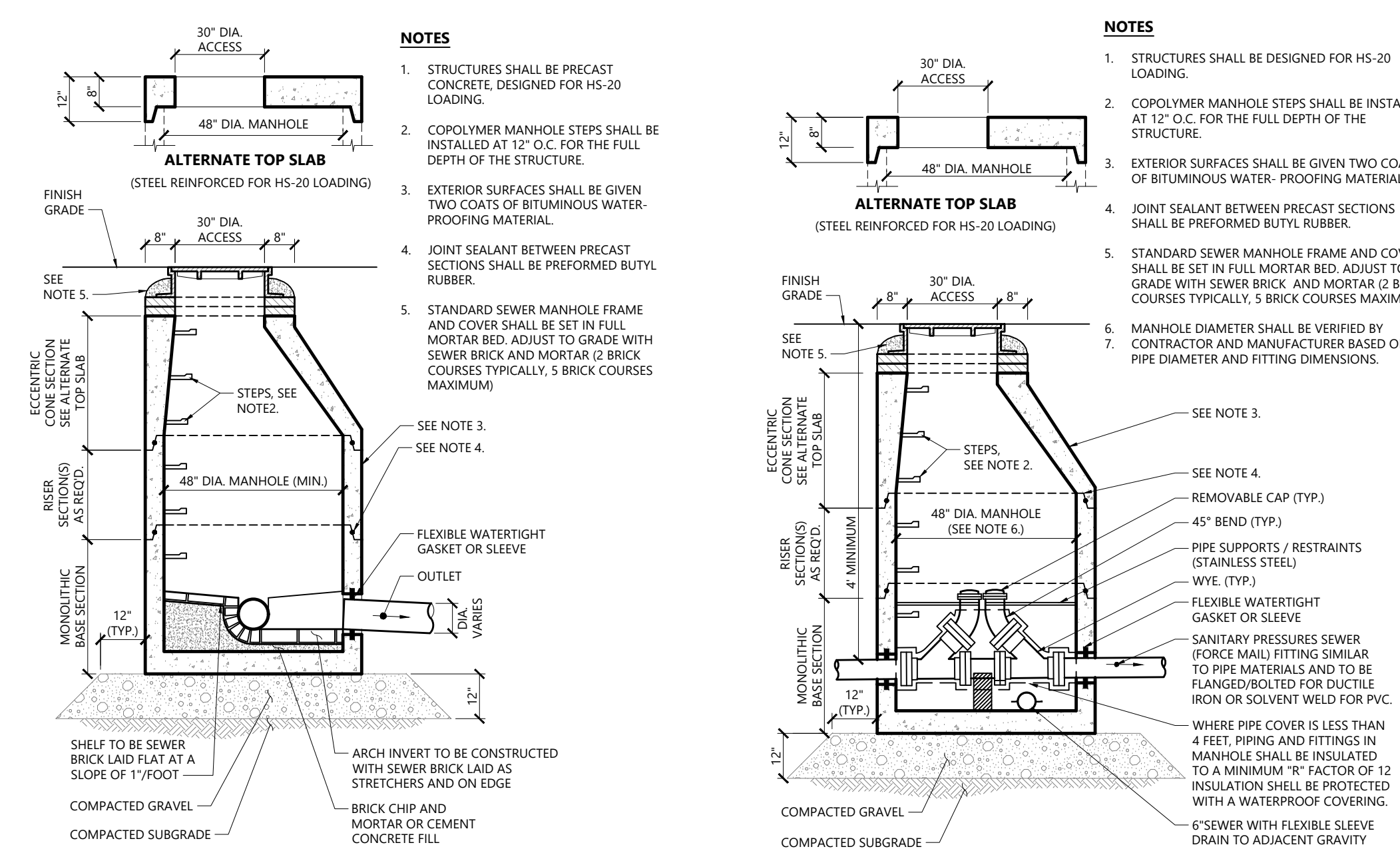
Utility Trench

N.T.S. Source: VHB LD\_300



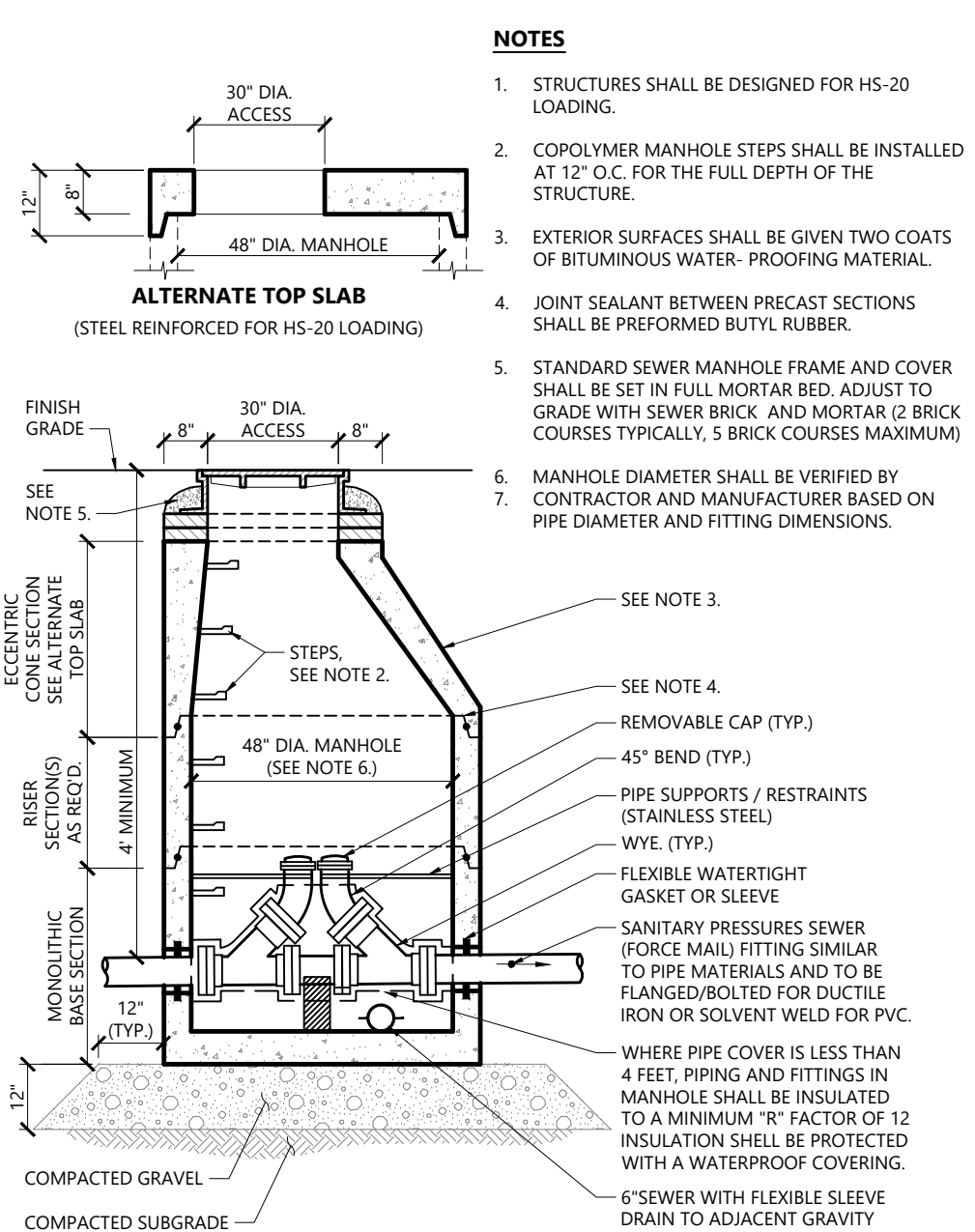
Flared End Section (FES) with Stone Protection and Dissipation Bowl

N.T.S. Source: VHB



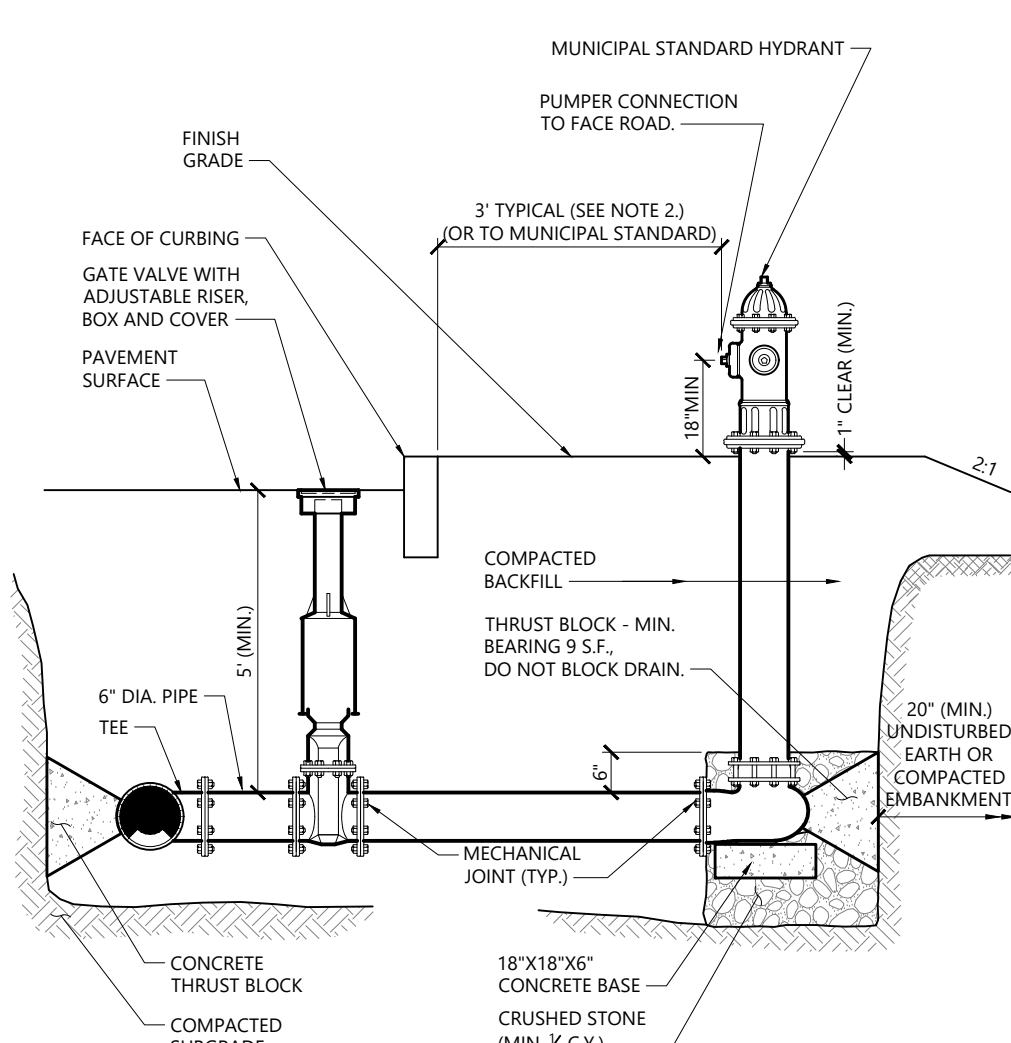
Sanitary Sewer Manhole (SMH)

N.T.S. Source: VHB LD\_200



Sanitary Pressure Sewer Cleanout Manhole (SMH-CO)

N.T.S. Source: VHB LD\_206



NOTES

1. CONCRETE THRUST BLOCKS TO BE USED ONLY WHERE THEY CAN BEAR ON UNDISTURBED EARTH AS SHOWN. USE CLAMPS AND TIE RODS OR OTHER ACCEPTABLE METHOD OF JOINT RESTRAINT WHERE SOIL CONDITIONS PROHIBIT THE USE OF THRUST BLOCKS.
2. HYDRANT IN SIDEWALK AREAS TO BE LOCATED TO PROVIDE MINIMUM CLEAR SIDEWALK PASSAGE WIDTH OF 3 FEET AT HYDRANT.

Hydrant Construction

N.T.S. Source: VHB LD\_250

Proposed Warehouse

Mechanic Street  
Bellingham, Massachusetts

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Designed by  
**JRB**  
Issued for  
November 20, 2018

Local Approvals

Not Approved for Construction

Site Details 3

Drawing Number

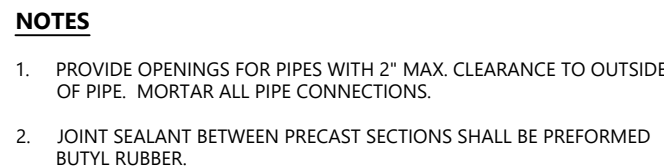
C-6.3

Sheet of  
20 25

Project Number

14073.00





1. EXIT WIDTH SHALL BE A TWENTY-FIVE (25) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
2. THE CONTRACTOR SHALL FIELD LOCATE THE EXIT, AND THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEANS USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. BERM SHALL BE PERMITTED. PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED AS NEEDED.
3. STABILIZED CONSTRUCTION EXIT SHALL BE REMOVED PRIOR TO FINAL FINISH MATERIALS BEING INSTALLED.

1. SILT SOCK SHALL BE FILTREXX SILT SOCKX, OR APPROVED EQUAL.
2. SILT SOCKS SHALL OVERLAP A MINIMUM OF 12 INCHES.
3. SILT SOCK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS, AND REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.
4. COMPOST MATERIAL SHALL BE DISPERSED ON SITE, AS DETERMINED BY THE ENGINEER.
5. IF NON BIODEGRADABLE NETTING IS USED THE NETTING SHALL BE COLLECTED AND DISPOSED OF OFFSITE.

1. SILT SOCK SHALL BE FILTREXX SILT SOCKX, OR APPROVED EQUAL.
2. SILT SOCKS SHALL OVERLAP A MINIMUM OF 12 INCHES.
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4. COMPOST MATERIAL SHALL BE DISPERSED ON SITE, AS DETERMINED BY THE ENGINEER.
5. IF NON BIODEGRADABLE NETTING IS USED THE NETTING SHALL BE COLLECTED AND DISPOSED OF OFFSITE.

1. BEGIN AT THE TOP OF BLANKET INSTALLATION AREA BY ANCHORING BLANKET IN A 6" DEEP TRENCH BACKFILL AND COMPACT TRENCH AFTER STAPLING.
2. ROLL THE BLANKET DOWN THE SWALE IN THE DIRECTION OF THE WATER FLOW.
3. THE EDGES OF BLANKETS MUST BE STAPLED WITH APPROX. 4 INCH OVERLAP WHERE 2 OR MORE STRIP WIDTHS ARE REQUIRED.
4. WHEN BLANKETS MUST BE SPICED DOWN THE SWALE, PLACE UPPER BLANKET END OVER LOWER END WITH 6 INCH (MIN.) OVERLAP AND STAPLE BOTH TOGETHER.
5. METHOD OF INSTALLATION SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS.
6. EROSION CONTROL BLANKETS SHALL BE USED IN ALL AREAS WHERE SLOPES EXCEED 3:1.

1. BASE SECTION SHALL BE MONOLITHIC WITH A MINIMUM 2 FEET SIDE WALL DEPTH.
2. PRECAST CONCRETE STRUCTURES SHALL BE DESIGNED IN ACCORDANCE WITH HS-20 LOADING CRITERIA.
3. CONCRETE SHALL BE A MINIMUM COMPRESSIVE STRENGTH 5000 PSI, TYPE II PORTLAND CEMENT.
4. VALVE CHAMBER STEPS SHALL BE INSTALLED AT 12" O.C. FOR THE FULL DEPTH OF THE VALVE CHAMBER.
5. PRECAST CONCRETE EXTERIOR SURFACES SHALL BE GIVEN TWO COATS OF BITUMINOUS WATERPROOFING MATERIAL.
6. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE BUTYL RUBBER.
7. FLOAT FOR "ALL PUMPS OFF" TO BE SET AT AN ELEVATION SUCH THAT PUMPS REMAIN SUBMERGED PER MANUFACTURER'S RECOMMENDATIONS.
8. ALARM ANNUNCIATION SHALL BE LOCATED IN THE SAME LOCATION AS THE REMOTE CONTROL PANEL.
9. CLIMATE WIRING AND FLOAT RACK ASSEMBLY TO PROVIDE CLEAR ACCESS TO RAISE AND LOWER PUMPS ON THE RAIL SYSTEM.
10. DO NOT GROUT ANULAR RINGS AROUND PIPE GASKETS TO STRUCTURES.
11. ANTI-FLOTATION RING SIZED TO PREVENT FLOTATION WITH A FACTOR OF SAFETY OF 1.2, AS REQUIRED (8 INCH MIN.) ON ALL STRUCTURES.
12. PRESSURE PIPE VALVES AND FITTINGS SHALL BE FLANGED DUCTILE IRON WITHIN AND BETWEEN PUMP STATION AND VALVE CHAMBER WHEN THE PIPE DIAMETER IS 4 INCHES OR LARGER.
13. PRESSURE PIPE VALVES AND FITTINGS SHALL BE SCHEDULE 80 SOLVED WELDED JOINTS WITHIN AND BETWEEN PUMP STATION AND VALVE CHAMBER WHEN THE PIPE DIAMETER IS LESS THAN 4 INCHES.
14. ENCLOSURE SIZE TO BE DETERMINED BY CONTRACTOR BASED ON PANEL UNITS TO BE INSTALLED WITHIN IT, BUT IN NO CASE SHALL IT BE SMALLER THAN THAT SIZE INDICATED HEREON.

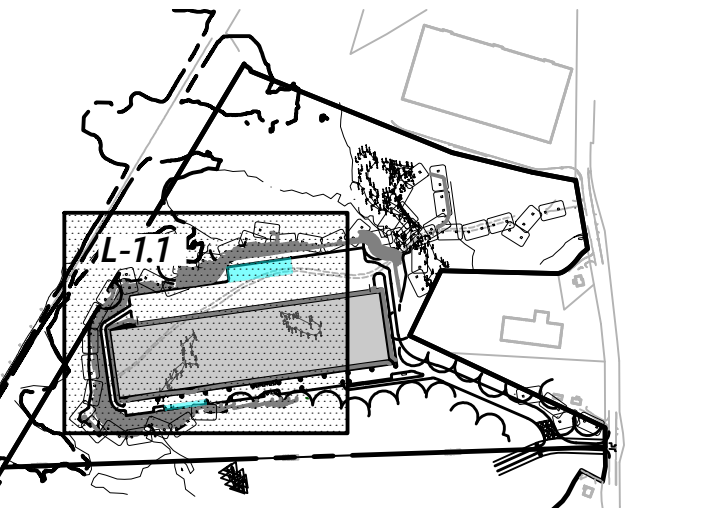
1. INSTALL SILTSACK IN ALL CATCH BASINS WHERE INDICATED ON THE PLAN BEFORE COMMENCING WORK OR IN PAVED AREAS AFTER BINDER COURSE IS PLACED AND HAY BALES HAVE BEEN REMOVED.
2. GRATE TO BE PLACED OVER SILTSACK.
3. SILTSACK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND CLEANING OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED. MAINTAIN UNTIL UPSTREAM AREAS HAVE BEEN PERMANENTLY STABILIZED

Project Number  
**4073.00**

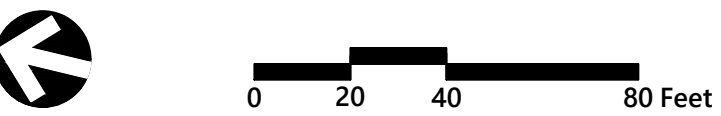




**vhb**  
101 Walnut Street  
PO Box 9151  
Watertown, MA 02471  
617.924.1770



**Key**  
1" = 80'



### Proposed Warehouse

Mechanic Street  
Bellingham, Massachusetts

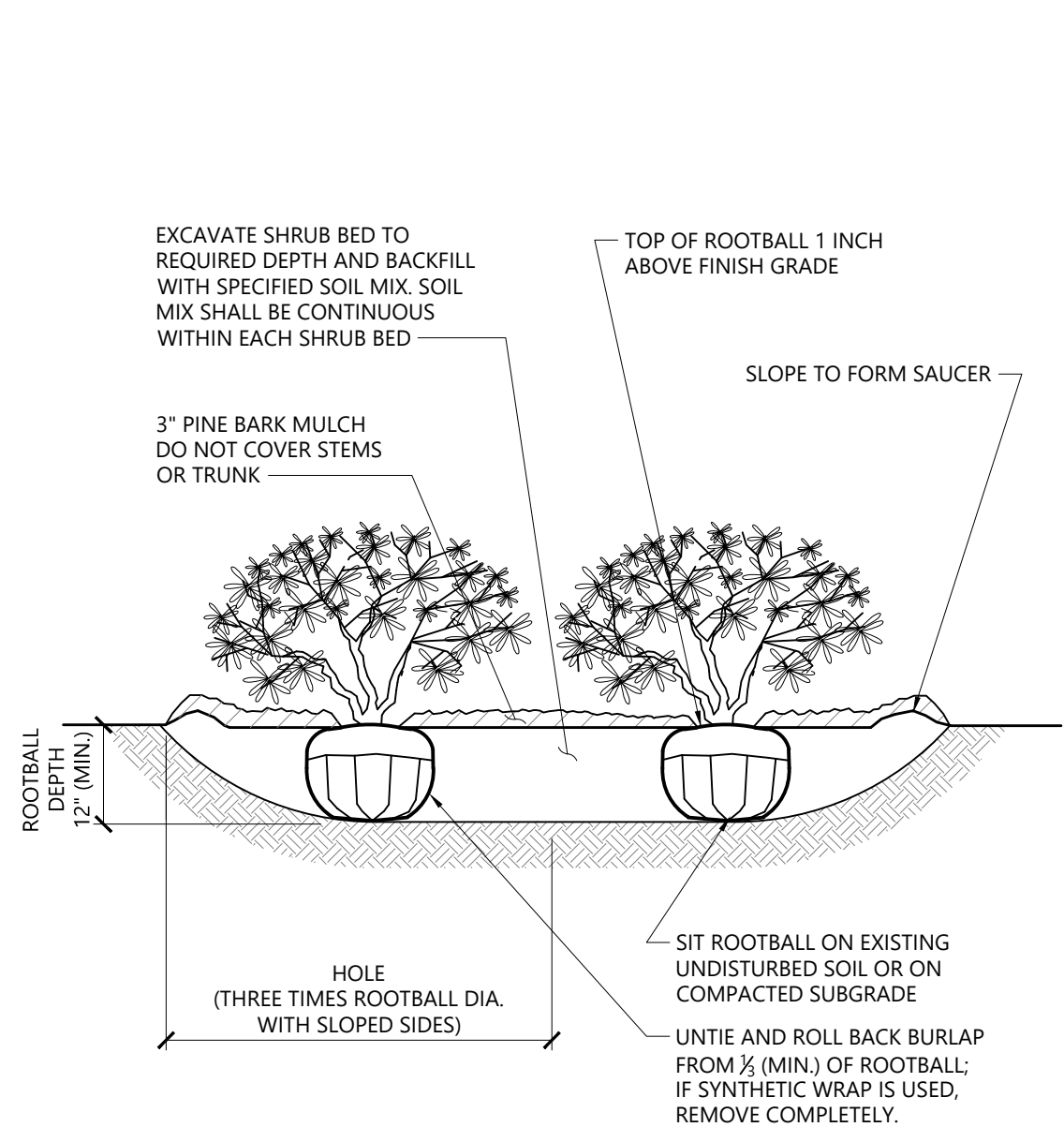
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Designed by **JRB** Checked by **CPN**  
Issued for \_\_\_\_\_ Date \_\_\_\_\_

Local Approvals November 20, 2018

Not Approved for Construction  
Drawing Title  
**Planting Plan**





NOTES

1. LOOSEN ROOTS AT THE OUTER EDGE OF ROOTBALL OF CONTAINER GROWN SHRUBS.

Shrub Bed Planting

N.T.S.

Source: VHB

1/16

LD\_601

Tree Protection

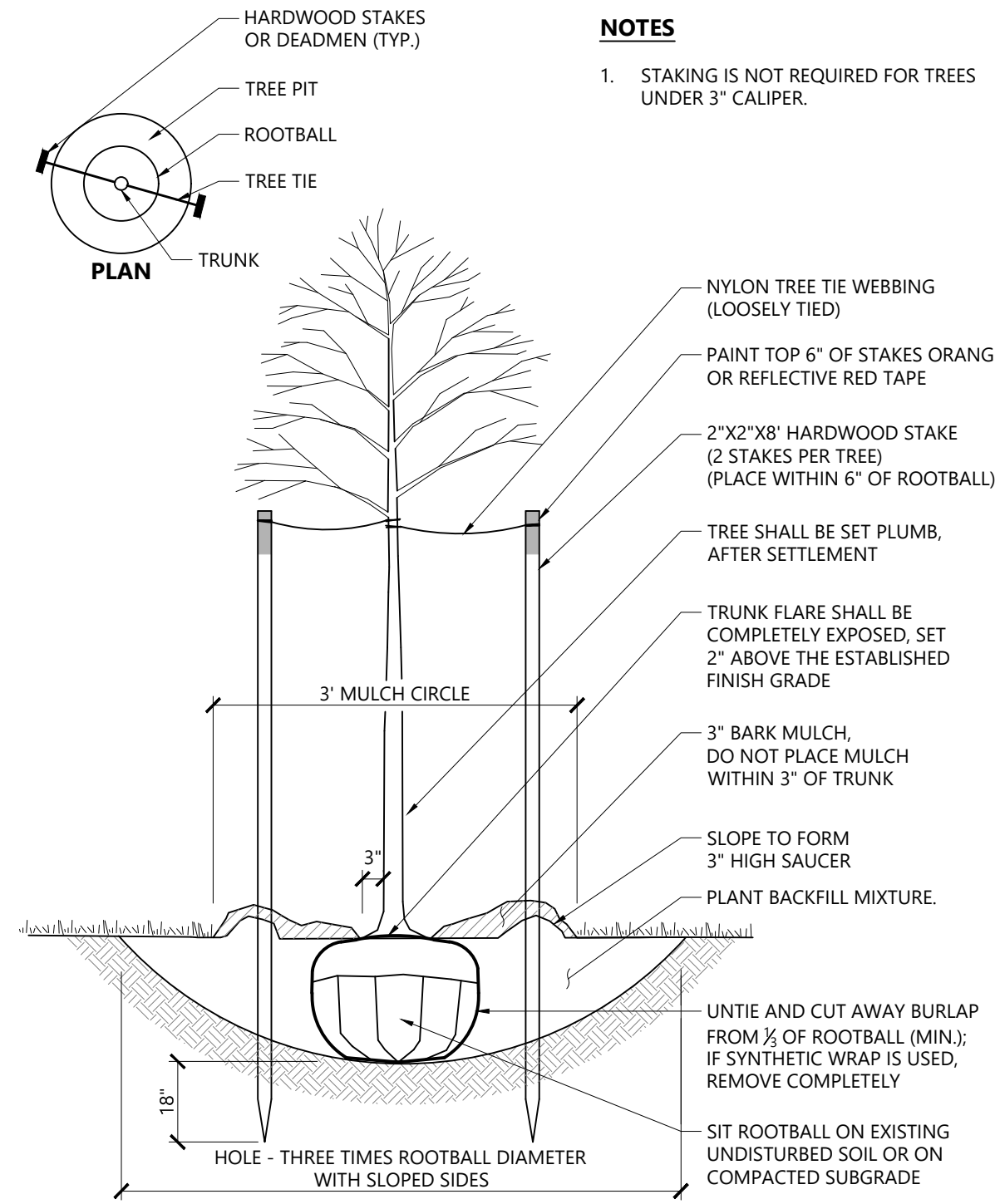
1. EXISTING TREES TO REMAIN SHALL BE PROTECTED WITH TEMPORARY CONSTRUCTION FENCE. ERECT FENCE AT EDGE OF THE TREE DRIPLINE PRIOR TO START OF CONSTRUCTION.
2. CONTRACTOR SHALL NOT OPERATE VEHICLES WITHIN THE TREE PROTECTION AREA. CONTRACTOR SHALL NOT STORE VEHICLES OR MATERIALS, OR DISPOSE OF ANY WASTE MATERIALS, WITHIN THE TREE PROTECTION AREA.
3. DAMAGE TO EXISTING TREES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY A CERTIFIED ARBORIST AT THE CONTRACTOR'S EXPENSE.

Plant Maintenance Notes

1. CONTRACTOR SHALL PROVIDE COMPLETE MAINTENANCE OF THE LAWNS AND PLANTINGS. NO IRRIGATION IS PROPOSED FOR THIS SITE. THE CONTRACTOR SHALL SUPPLY SUPPLEMENTAL WATERING FOR NEW LAWNS AND PLANTINGS DURING THE ONE YEAR PLANT GUARANTEE PERIOD.
2. CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR, AND EQUIPMENT FOR THE COMPLETE LANDSCAPE MAINTENANCE WORK. WATER SHALL BE PROVIDED BY THE CONTRACTOR.
3. WATERING SHALL BE REQUIRED DURING THE GROWING SEASON, WHEN NATURAL RAINFALL IS BELOW ONE INCH PER WEEK.
4. WATER SHALL BE APPLIED IN SUFFICIENT QUANTITY TO THOROUGHLY SATURATE THE SOIL IN THE ROOT ZONE OF EACH PLANT.
5. CONTRACTOR SHALL REPLACE DEAD OR DYING PLANTS AT THE END OF THE ONE YEAR GUARANTEE PERIOD. CONTRACTOR SHALL TURN OVER MAINTENANCE TO THE FACILITY MAINTENANCE STAFF AT THAT TIME.

Planting Notes

1. ALL PROPOSED PLANTING LOCATIONS SHALL BE STAKED AS SHOWN ON THE PLANS FOR FIELD REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
2. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL BELOW GRADE AND ABOVE GROUND UTILITIES AND NOTIFY OWNERS REPRESENTATIVE OF CONFLICTS.
3. NO PLANT MATERIALS SHALL BE INSTALLED UNTIL ALL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA. CONTRACTOR SHALL NOTIFY OWNER'S REPRESENTATIVE OF ANY CONFLICT.
4. A 3-INCH DEEP MULCH PER SPECIFICATION SHALL BE INSTALLED UNDER ALL TREES AND SHRUBS, AND IN ALL PLANTING BEDS, UNLESS OTHERWISE INDICATED ON THE PLANS, OR AS DIRECTED BY OWNER'S REPRESENTATIVE.
5. ALL TREES SHALL BE BALLED AND BURLAPPED, UNLESS OTHERWISE NOTED IN THE DRAWINGS OR SPECIFICATION, OR APPROVED BY THE OWNER'S REPRESENTATIVE.
6. FINAL QUANTITY FOR EACH PLANT TYPE SHALL BE AS GRAPHICALLY SHOWN ON THE PLAN. THIS NUMBER SHALL TAKE PRECEDENCE IN CASE OF ANY DISCREPANCY BETWEEN QUANTITIES SHOWN ON THE PLANT LIST AND ON THE PLAN. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES BETWEEN THE NUMBER OF PLANTS SHOWN ON THE PLANT LIST AND PLANT LABELS PRIOR TO BIDDING.
7. ANY PROPOSED PLANT SUBSTITUTIONS MUST BE REVIEWED BY LANDSCAPE ARCHITECT AND APPROVED IN WRITING BY THE OWNER'S REPRESENTATIVE.
8. ALL PLANT MATERIALS INSTALLED SHALL MEET THE SPECIFICATIONS OF THE "AMERICAN STANDARDS FOR NURSERY STOCK" BY THE AMERICAN ASSOCIATION OF NURSERYMEN AND CONTRACT DOCUMENTS.
9. ALL PLANT MATERIALS SHALL BE GUARANTEED FOR ONE YEAR FOLLOWING DATE OF FINAL ACCEPTANCE.
10. AREAS DESIGNATED "LOAM & SEED" SHALL RECEIVE MINIMUM 6" OF LOAM AND SPECIFIED SEED MIX. LAWNS OVER 2:1 SLOPE SHALL BE PROTECTED WITH EROSION CONTROL FABRIC.
11. ALL DISTURBED AREAS NOT OTHERWISE NOTED ON CONTRACT DOCUMENTS SHALL BE LOAM AND SEEDED OR MULCHED AS DIRECTED BY OWNER'S REPRESENTATIVE.
12. THIS PLAN IS INTENDED FOR PLANTING PURPOSES. REFER TO SITE / CIVIL DRAWINGS FOR ALL OTHER SITE CONSTRUCTION INFORMATION.



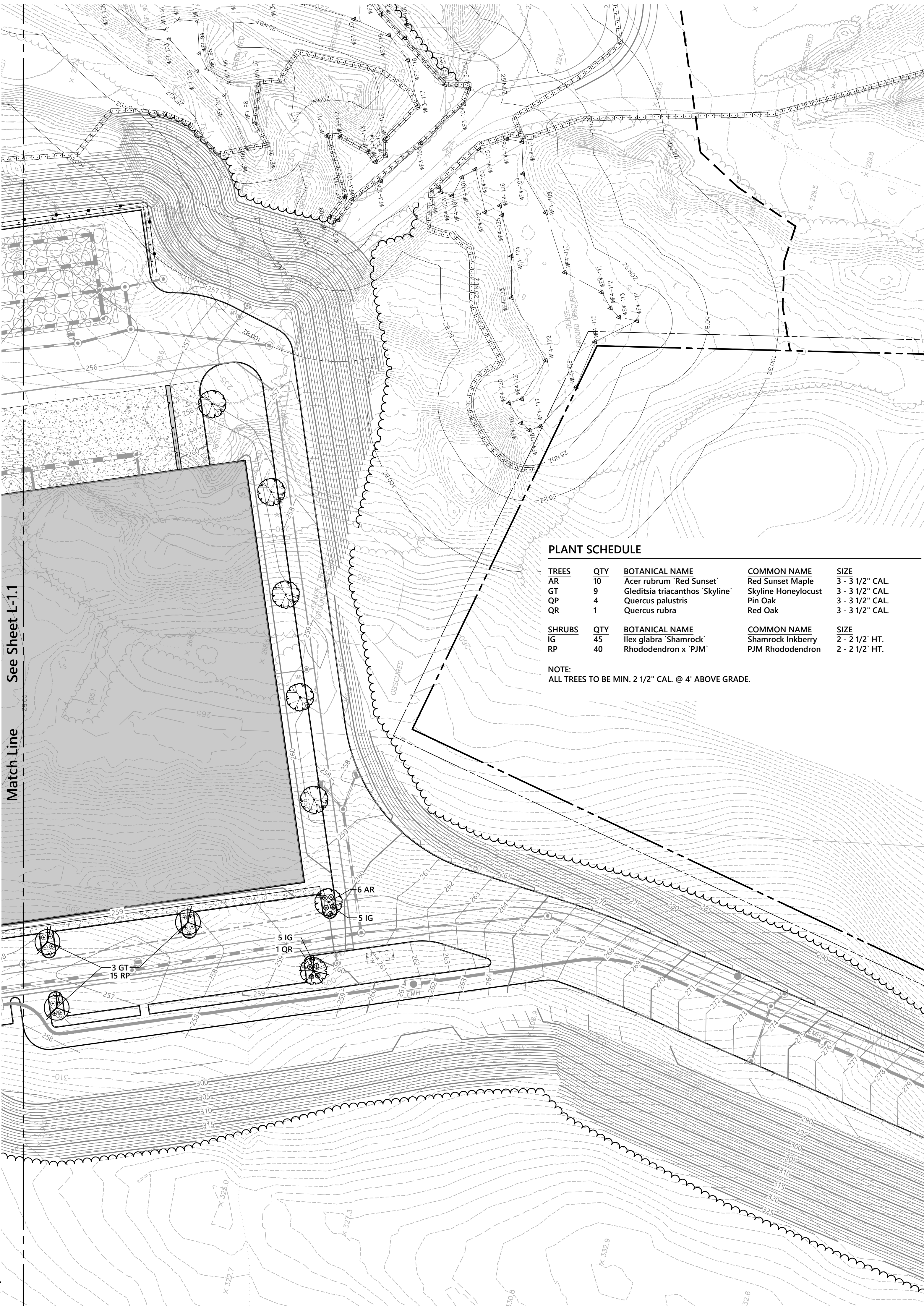
Tree Planting (For Trees Under 4" Caliper)

N.T.S.

Source: VHB

1/16

LD\_602

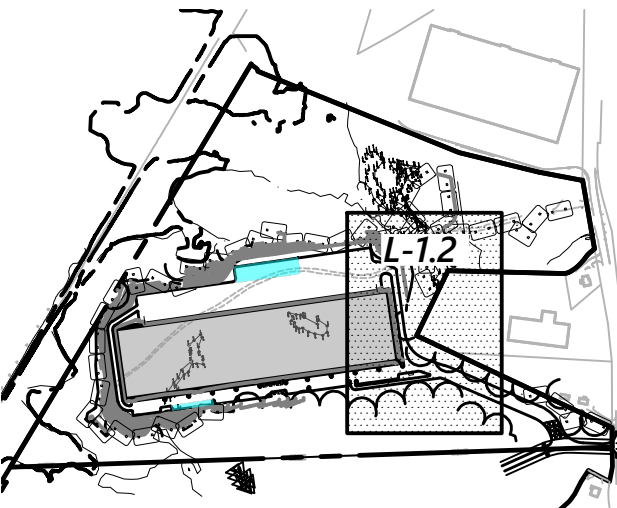


PLANT SCHEDULE

| TREES  | QTY | BOTANICAL NAME                  | COMMON NAME         | SIZE            |
|--------|-----|---------------------------------|---------------------|-----------------|
| AR     | 10  | Acer rubrum 'Red Sunset'        | Red Sunset Maple    | 3 - 3 1/2" CAL. |
| GT     | 9   | Gleditsia triacanthos 'Skyline' | Skyline Honeylocust | 3 - 3 1/2" CAL. |
| QP     | 4   | Quercus palustris               | Pin Oak             | 3 - 3 1/2" CAL. |
| QR     | 1   | Quercus rubra                   | Red Oak             | 3 - 3 1/2" CAL. |
| SHRUBS | QTY | BOTANICAL NAME                  | COMMON NAME         | SIZE            |
| IG     | 45  | Ilex glabra 'Shamrock'          | Shamrock Inkberry   | 2 - 2 1/2' HT.  |
| RP     | 40  | Rhododendron x 'PJM'            | PJM Rhododendron    | 2 - 2 1/2' HT.  |

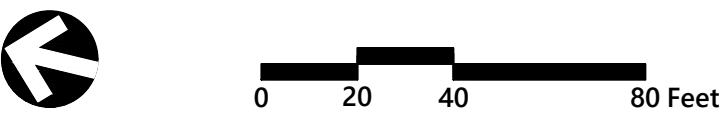
NOTE:

ALL TREES TO BE MIN. 2 1/2" CAL. @ 4' ABOVE GRADE.



Key

1" = 800'



Proposed Warehouse

Mechanic Street  
Bellingham, Massachusetts

| No. | Revision                             | Date       | Apprd. |
|-----|--------------------------------------|------------|--------|
| 1   | Wetland Replication Area Revision    | 11/27/2018 | CPN    |
| 2   | Wetland Revisions                    | 1/3/2019   | CPN    |
| 3   | Planning/ConCom/Peer Review Comments | 3/20/2019  | CPN    |
| 4   | Planning/ConCom/Peer Review Comments | 5/21/2019  | CPN    |
| 5   | Planning/ConCom/Peer Review Comments | 6/20/2019  | CPN    |

|                           |                          |
|---------------------------|--------------------------|
| Designed by<br><b>JRB</b> | Checked by<br><b>CPN</b> |
| Issued for                | Date                     |

Local Approvals

November 20, 2018

Not Approved for Construction

Drawing Title  
**Planting Plan,  
Notes and Details**

Drawing Number

**L-1.2**

|                    |                 |
|--------------------|-----------------|
| Sheet<br><b>23</b> | of<br><b>25</b> |
|--------------------|-----------------|

Project Number

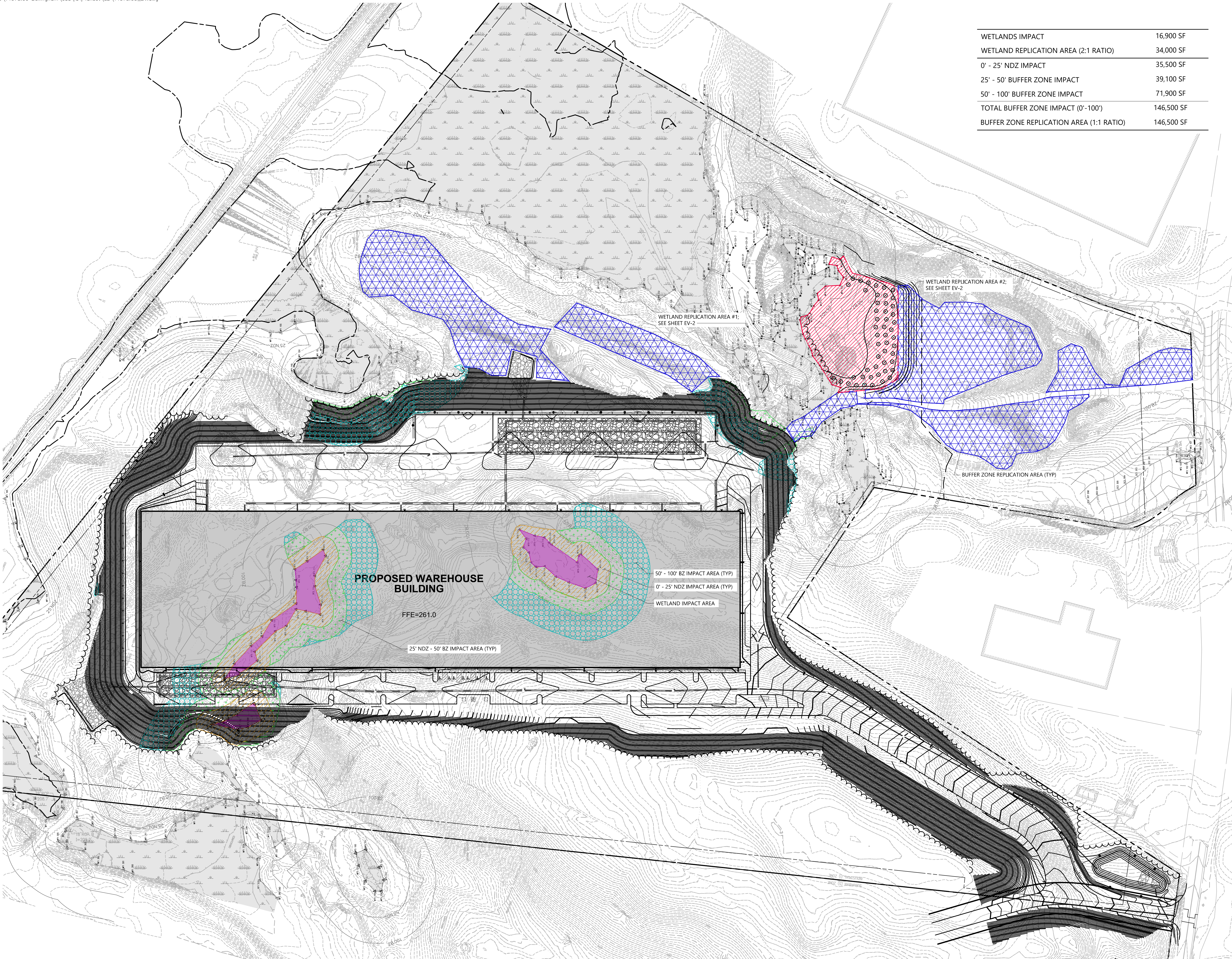
14073.00





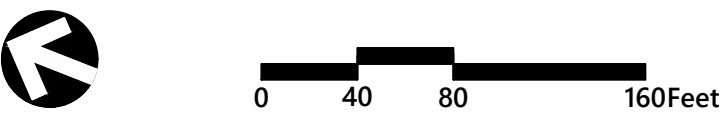
101 Walnut Street  
PO Box 9151  
Watertown, MA 02471  
617.924.1770

|  |            |
|--|------------|
| WETLANDS IMPACT                          | 16,900 SF  |
| WETLAND REPLICATION AREA (2:1 RATIO)     | 34,000 SF  |
| 0' - 25' NDZ IMPACT                      | 35,500 SF  |
| 25' - 50' BUFFER ZONE IMPACT             | 39,100 SF  |
| 50' - 100' BUFFER ZONE IMPACT            | 71,900 SF  |
| TOTAL BUFFER ZONE IMPACT (0'-100')       | 146,500 SF |
| BUFFER ZONE REPLICATION AREA (1:1 RATIO) | 146,500 SF |



LEGEND

- Existing Wetlands
- Wetland Impact Area
- Wetland Replication Area
- 0' - 25' No Disturb Zone Impact Area
- 25' - 50' Buffer Zone Impact Area
- 50' - 100' Buffer Zone Impact Area
- 0' - 100' Buffer Zone Replication Area



Proposed Warehouse

Mechanic Street  
Bellingham, Massachusetts

| No. | Revision                             | Date       | App'd. |
|-----|--------------------------------------|------------|--------|
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| 5   | Planning/ConCom/Peer Review Comments | 6/20/2019  | CPN    |

|                           |                          |
|---------------------------|--------------------------|
| Designed by<br><b>JRB</b> | Checked by<br><b>CPN</b> |
| Issued for                | Date                     |

Local Approvals November 20, 2018

Not Approved for Construction

Wetland & Buffer Zone  
Impact Areas

Drawing Number

EV-1

Sheet 24 of 25

Project Number  
14073.00





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PO Box 9151  
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617.924.1770

WETLAND REPLICATION NOTES:

- CONSTRUCTION OF THE WETLAND REPLACEMENT AREA WILL INCLUDE GRADING, SOILS PLACEMENT, AND PLANTING, AND ALL WORK SHALL BE PERFORMED UNDER THE SUPERVISION OF AN EXPERIENCED WETLAND SCIENTIST. ALL PLANTINGS SHALL BE PERFORMED IN SPRING (APRIL 15 TO JUNE 15) OR FALL (SEPTEMBER 1 TO OCTOBER 31).
- AN EROSION CONTROL BARRIER OF ENTRENCHED SILT FENCING OR STAKED MULCH/COMPOST TUBES SHALL BE INSTALLED ALONG THE ENTIRE PERIMETER OF THE REPLACEMENT AREA EXCEPT AT THE UPGRADIENT EDGE TO ALLOW ACCESS TO MACHINERY.
- ALL AREAS TO BE PLANTED AS PART OF THE REPLACEMENT AREA SHALL BE CLEARED AND GRUBBED (AS NEEDED) AND SHALL BE EXCAVATED TO A DEPTH OF 12 INCHES BELOW THE FINAL DESIGN ELEVATIONS. MINOR MODIFICATIONS TO THE GRADING PLAN MAY BE MADE IN THE FIELD BY THE SUPERVISING WETLAND SCIENTIST IN RESPONSE TO HYDROLOGIC CONDITIONS. NATIVE WETLAND SOILS REMOVED DURING GRADING MAY BE REUSED ONSITE; ANY SUCH SOILS SHALL BE STOCKPILED AND SURROUNDED BY A PERIMETER OF EROSION CONTROLS UNTIL READY FOR USE. THE SUPERVISING WETLAND SCIENTIST WILL INSPECT THE FINAL SUB-GRADE OF THE REPLACEMENT AREA TO ENSURE THAT THE PROPER HYDROLOGY HAS BEEN ESTABLISHED.
- SNAGS WILL BE INSTALLED USING TREES FROM 8 TO 12 INCHES DBH WITH A SIGNIFICANT PORTION OF THE ROOT MASS INTACT. SNAGS WILL BE FIRMLY ENTRENCHED TO PREVENT FUTURE WINDTHROW.
- THE REPLACEMENT AREA WILL THEN BE BACKFILLED WITH NATIVE WETLAND SOILS AND/OR PREPARED TOPSOIL. PREPARED SOILS SHALL CONSIST OF A 1:1 MIXTURE (OR EQUAL VOLUMES) OF ORGANIC AND MINERAL MATERIALS (IN THE SILT LOAM, LOAM, OR LOAMY SAND RANGE) TO INCREASE THE ORGANIC CARBON CONTENT TO BETWEEN 4 AND 12 PERCENT BY WEIGHT. CLEAN LEAF OR COMMERCIALY AVAILABLE COMPOST IS THE PREFERRED AMENDMENT TO ACHIEVE THIS STANDARD, ALTHOUGH OTHER MATERIALS MAY BE USED IF APPROVED BY THE SUPERVISING WETLAND SCIENTIST. AREAS TO BE PLANTED AS BVW SHOULD BE GRADED IN A SLIGHTLY IRREGULAR FASHION TO ALLOW FOR SMALL HUMMOCKS AND HOLLOWES APPROXIMATELY 6 INCHES ABOVE AND BELOW GRADE TO CREATE A PIT AND MOUND TOPOGRAPHY.
- WILDLIFE BRUSH PILES WILL BE CONSTRUCTED IN THE REPLACEMENT AREA. FALLEN LOGS, BRANCHES, AND OTHER NATURAL MATERIALS SHALL BE DISTRIBUTED IN THE REPLACEMENT AREA TO PROVIDE ADDITIONAL WILDLIFE HABITAT. THESE MATERIALS SHALL COVER 2 TO 4 PERCENT OF THE REPLACEMENT AREA'S SURFACE AND SHALL NOT INCLUDE ANY KNOWN INVASIVE SPECIES. WOODY MATERIAL SHOULD VARY IN SIZE AND DEGREE OF DECOMPOSITION.
- ONCE WETLAND SOILS AND ANY NATURAL MATERIALS HAVE BEEN PLACED, ANY EQUIPMENT OR VEHICLES EXERTING A GROUND PRESSURE OF 3 PSI OR GREATER SHALL NO LONGER BE ALLOWED IN THE REPLACEMENT AREA TO AVOID COMPACTING THE WETLAND SOILS.
- PLANTINGS WILL BE INSTALLED ONCE THE ABOVE TASKS HAVE BEEN COMPLETED. ALL SHRUB PLANTING WORK SHALL BE PERFORMED BY HAND USING HAND TOOLS ONLY. THE SPECIES, SIZE, AND QUANTITY OF PLANTINGS SHALL FOLLOW THE PLANTING SCHEDULE. ONLY PLANT MATERIALS NATIVE TO THE REGION SHALL BE USED. IN THE EVENT THAT PLANT SUBSTITUTIONS ARE NECESSARY, THE SUPERVISING WETLAND SCIENTIST OR ANOTHER QUALIFIED WETLAND SCIENTIST OR BOTANIST SHALL BE CONSULTED. ALL WOODY PLANT STOCK SHALL EITHER BE BARE-ROOT OR CONTAINER-GROWN. PLANTINGS
- SHALL BE INSTALLED IN ACCORDANCE WITH THE DESIGN SPECIFIED ON THE PLAN, ALTHOUGH THE SUPERVISING WETLAND SCIENTIST MAY DIRECT THE PROJECT CONTRACTOR TO RELOCATE PLANTINGS BASED ON FIELD CONDITIONS. SHRUBS SHOULD BE PLANTED IN CLUSTERS OF 3-4 PLANTS TO SIMULATE A NATURAL DISTRIBUTION. SPACING BETWEEN INDIVIDUAL PLANTS SHOULD BE AS SPECIFIED IN THE PLANTING SCHEDULE, WITH SPACING IN BETWEEN CLUSTERS OF 10 TO 12 FEET.
- FOLLOWING SHRUB PLANTINGS, THE AREA WILL BE SEEDED WITH A NATIVE WETLAND SEED MIX AS SPECIFIED IN THE PLANTING SCHEDULE OR A SIMILAR MIX. THE SEED MIX SHALL BE APPLIED AT A RATE AND IN A MANNER ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.
- FOLLOWING COMPLETION OF PLANTING AND SEEDING, A LINE OF EROSION CONTROLS WILL BE INSTALLED ALONG THE UPGRADIENT EDGE OF THE REPLACEMENT AREA. ALL EROSION CONTROLS AROUND THE REPLACEMENT AREA SHALL REMAIN IN PLACE UNTIL VEGETATION IS WELL-ESTABLISHED AND SOILS HAVE STABILIZED, AT WHICH POINT THE BARRIERS SHALL BE REMOVED AND DISPOSED OF.
- THE REPLACEMENT AREA WILL BE MONITORED FOR THREE FULL GROWING SEASONS AFTER PLANTING. THE AREA WILL BE INSPECTED ONCE PER YEAR TO ASSESS WHETHER THE AREA HAS ACHIEVED 75 PERCENT COVER BY INDIGENOUS WETLAND SPECIES. CONSIDERATION WILL BE GIVEN TO OTHER NATIVE WETLAND PLANT SPECIES THAT BECOME ESTABLISHED IN THE REPLACEMENT.
- INVASIVE SPECIES WITHIN THE REPLACEMENT AREA SHALL BE REMOVED BY HAND FOR THREE GROWING SEASONS AFTER PLANTING. IF NECESSARY ANY AREAS WHERE INVASIVE SPECIES HAVE BEEN REMOVED WILL BE RESEED WITH A SUITABLE WETLAND SEED MIX.

LEGEND

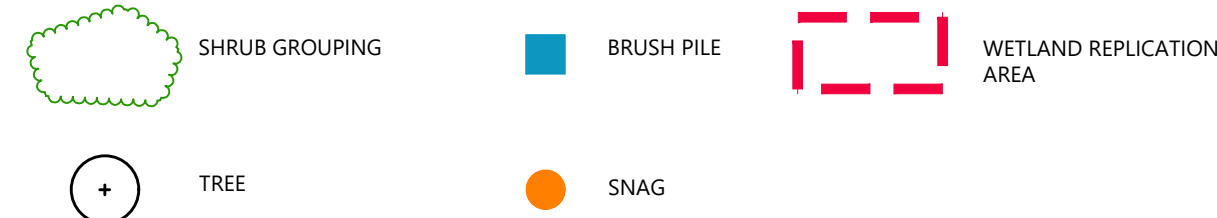
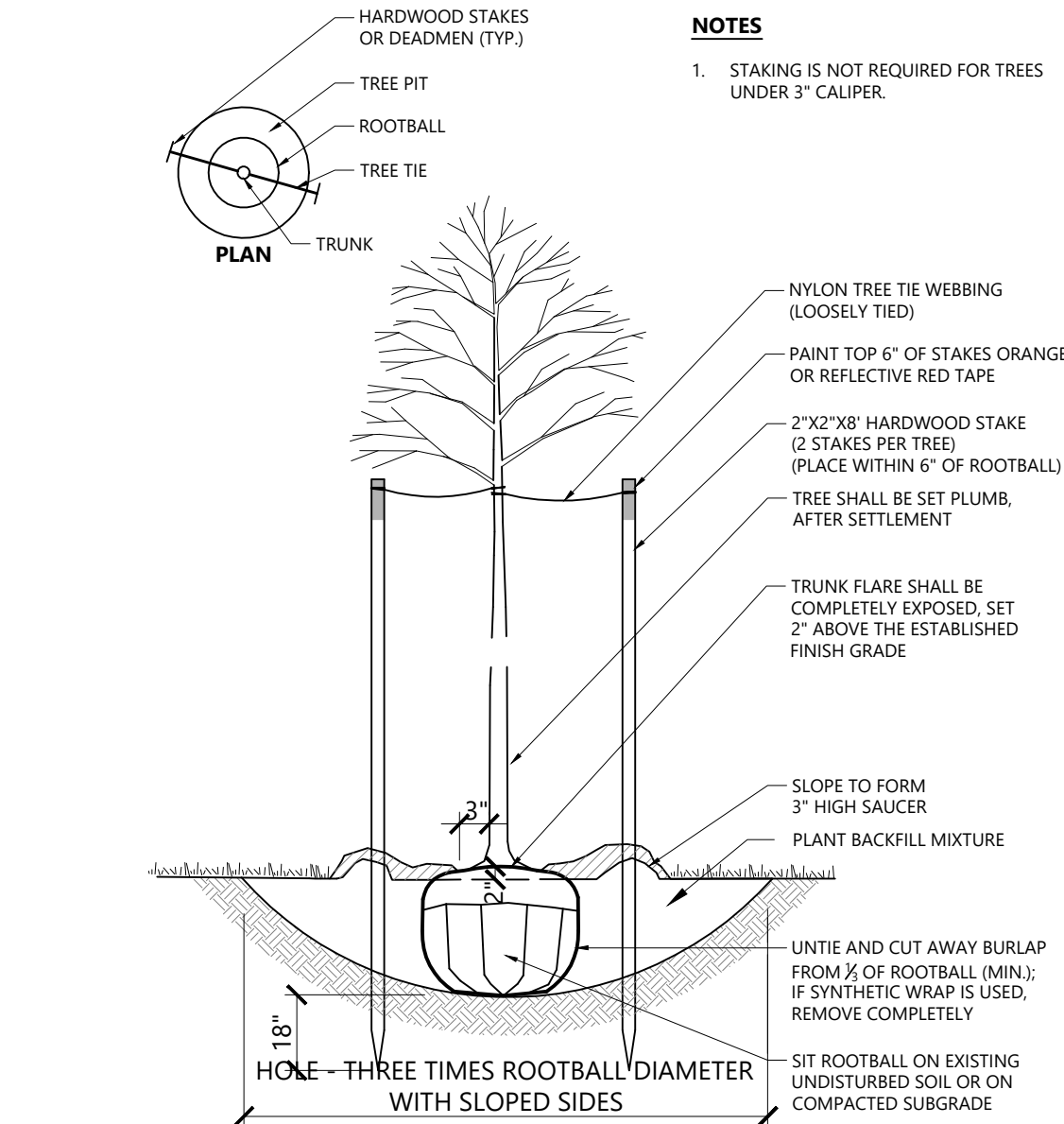


Table 5-2 Proposed Replication Area Plantings

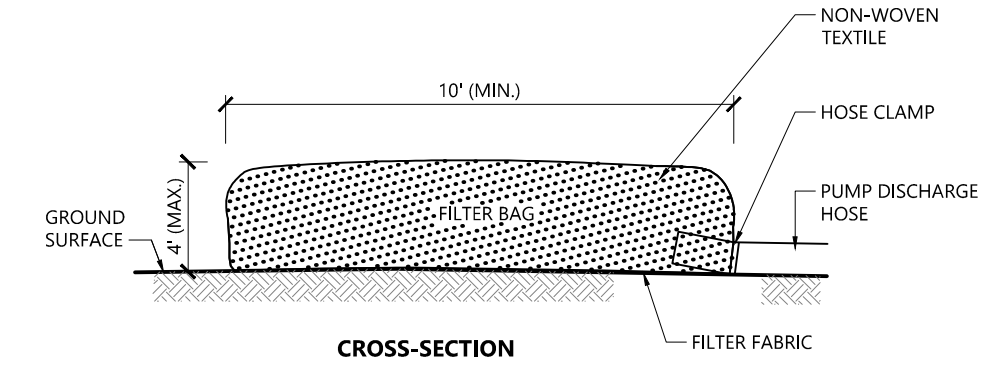
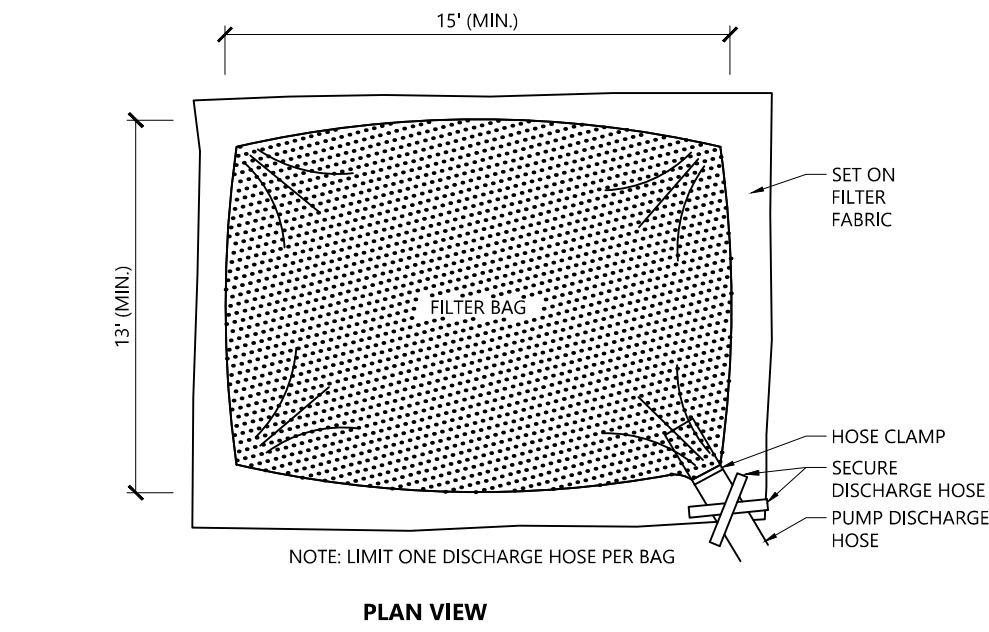
| Common Name            | Scientific Name             | Indicator  | Plant Type | Number of Plantings | Suggested Size | Suggested Spacing |
|------------------------|-----------------------------|------------|------------|---------------------|----------------|-------------------|
| red maple              | <i>Acer rubrum</i>          | FAC        | Tree       | 30                  | 2-inch caliper | 15 feet           |
| tupelo                 | <i>Nyssa sylvatica</i>      | FAC        | Tree       | 20                  | 2-inch caliper | 15 feet           |
| highbush blueberry     | <i>Vaccinium corymbosum</i> | FACW       | Shrub      | 60                  | 1-2 feet       | 8 feet            |
| common winterberry     | <i>Ilex verticillata</i>    | FACW       | Shrub      | 60                  | 1-2 feet       | 8 feet            |
| silky dogwood          | <i>Cornus amomum</i>        | FACW       | Shrub      | 60                  | 1-2 feet       | 8 feet            |
| sweet pepperbush       | <i>Clethra alnifolia</i>    | FAC        | Shrub      | 110                 | 1-2 feet       | 6 feet            |
| meadowsweet            | <i>Spiraea latifolia</i>    | FACW       | Shrub      | 110                 | 1-2 feet       | 6 feet            |
| arrowwood              | <i>Viburnum dentatum</i>    | FAC        | Shrub      | 110                 | 1-2 feet       | 6 feet            |
| <b>Total Plantings</b> |                             |            |            | <b>560</b>          |                |                   |
| wetland seed mix       | see Note 1                  | Herbaceous |            | N/A                 | N/A            | N/A               |

Source: VHB, 2018

1. Wetland seed mix: "New England Wetmix" from New England Wetland Plants, Inc. or similar. Typical species: *Carex vulpinoidea* (fox sedge), *Carex lasiocarpa* (fox sedge), *Carex acuticarpa* (fox sedge), *Chenopodium pensilvanicum* (smartweed), *Veronica hastata* (blue vervain), *Carex lupulina* (fox sedge), *Scirpus atrovirens* (green bulrush), *Adiantum cernuum* (nodding bur marigold), *Carex comosa* (bristly sedge), *Carex crinita* (fringed sedge), *Glyceria grandis* (American manna grass), *Scirpus cyperinus* (wool grass), *Amaranthus retrofractus* (soft rush), *Eupatorium maculatum* (spotted joe-pye-weed), *Eupatorium perfoliatum* (boneset), *Alisma subcordatum* (reed plantain), *Symphoricarpos rosea* (New England aster), *Glyceria canadensis* (pattensnake grass), *Symphoricarpos purpureus* (purple stem American aster), *Scirpus validus* (soft stem bulrush), *Iris versicolor* (blueflag), *Asclepias incarnata* (swamp milkweed), *Mimulus ringens* (monkey-flower).



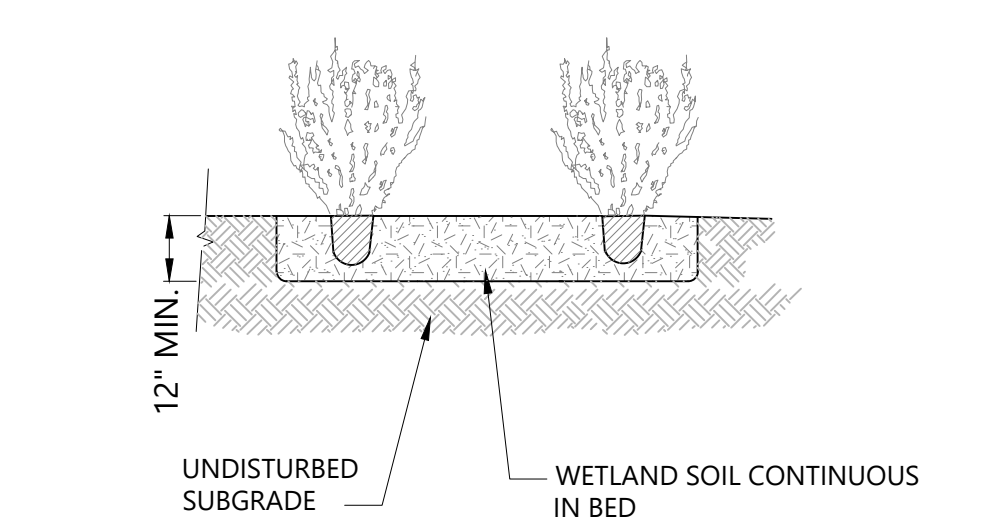
Tree Planting (For Trees Under 4" Caliper)  
N.T.S. Source: VHB REV LD\_602



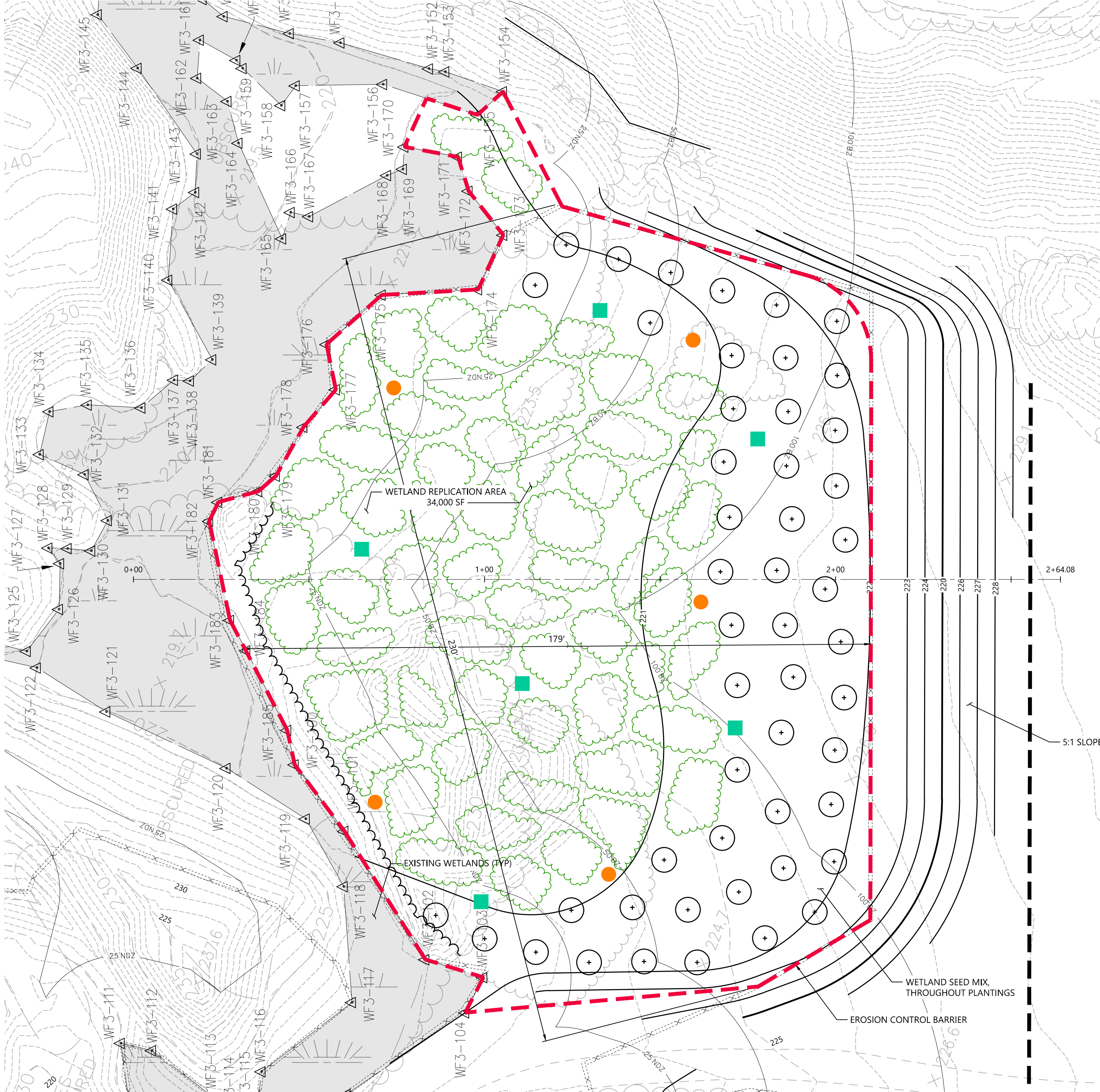
NOTES

1. BAG TO BE USED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

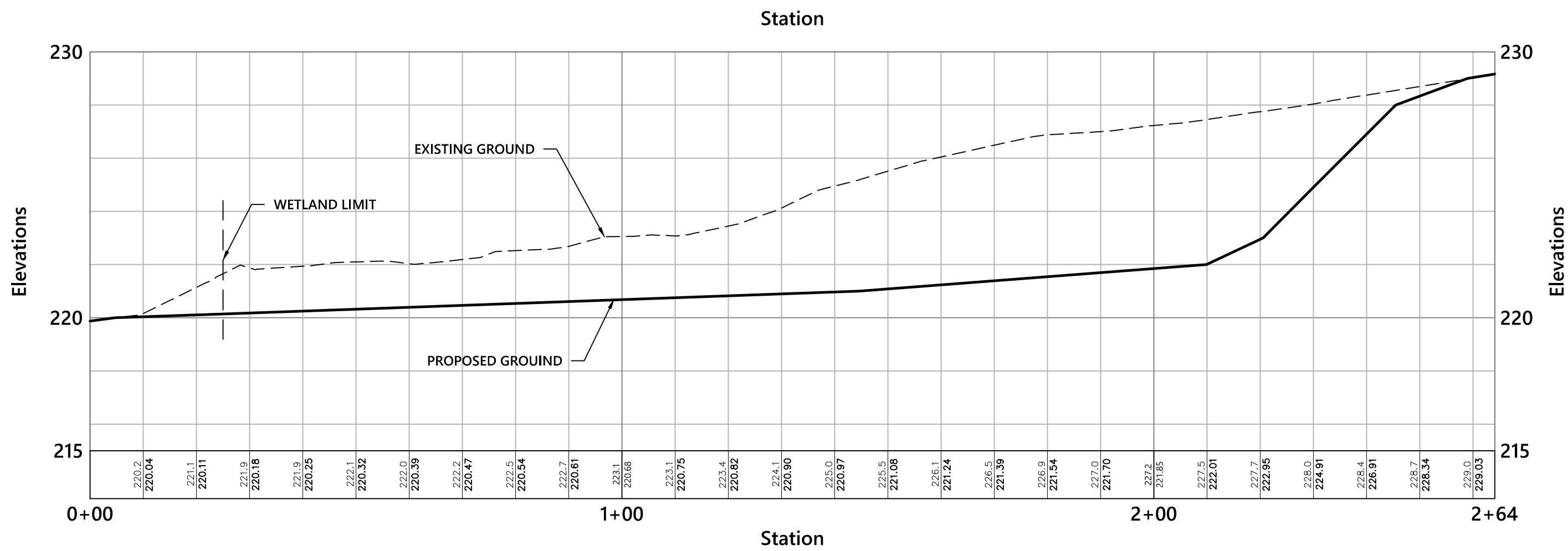
Wetwatering Filter Bag  
N.T.S. Source: VHB LD\_691



Shrub Planting Detail  
N.T.S. Source: VHB



0 10 20 40 Feet



Vert. 0 2 4 8 Feet  
Horiz. 0 10 20 40 Feet

Proposed Warehouse

Mechanic Street  
Bellingham, Massachusetts

| No. | Revision                             | Date       | Appd. |
|-----|--------------------------------------|------------|-------|
| 1   | Wetland Replication Area Revision    | 11/27/2018 | CPN   |
| 2   | Wetland Revisions                    | 1/3/2019   | CPN   |
| 3   | Planning/ConCom/Peer Review Comments | 3/20/2019  | CPN   |
| 4   | Planning/ConCom/Peer Review Comments | 5/21/2019  | CPN   |
| 5   | Planning/ConCom/Peer Review Comments | 6/20/2019  | CPN   |

Designed by JRB  
Issued for

Checked by CPN  
Date

Local Approvals November 20, 2018

Not Approved for Construction

Wetland Replication Area  
Grading Plan

Drawing Number

EV-2

Sheet 25 of 25

Project Number  
14073.00





### Legend

- |  |                              |
|--|------------------------------|
|  | F.F.E. = 45.27'              |
|  | FINISHED FLOOR ELEVATION     |
|  | CNO                          |
|  | NO PIPES VISIBLE             |
|  | DYL                          |
|  | DOUBLE YELLOW LINE           |
|  | DWS                          |
|  | DASHED WHITE LINE            |
|  | SWL                          |
|  | SINGLE WHITE LINE            |
|  | LSA                          |
|  | LANDSCAPED AREA              |
|  | EDGE OF PAVEMENT             |
|  | CONCRETE CURB                |
|  | VERTICAL GRANITE CURB        |
|  | SLOPED GRANITE CURB          |
|  | BITUMINOUS BERM              |
|  | BTD                          |
|  | GUARD RAIL                   |
|  | CHAIN LINK FENCE             |
|  | DRAINAGE LINE                |
|  | SEWER LINE                   |
|  | OVERHEAD WIRE                |
|  | UNDERGROUND ELECTRIC         |
|  | TELEPHONE LINE               |
|  | GAS LINE                     |
|  | WATER LINE                   |
|  | STONE WALL                   |
|  | TREE LINE                    |
|  | 100-FT BUFFER ZONE           |
|  | 100-FT RIVER FRONT AREA      |
|  | 200-FT RIVER FRONT AREA      |
|  | LIMIT MEAN ANNUAL HIGH WATER |
|  | LIMIT OF BANK                |
|  | VEGETATED WETLAND BOUNDARY   |

Mechanic Street  
Bellingham, Massachusetts

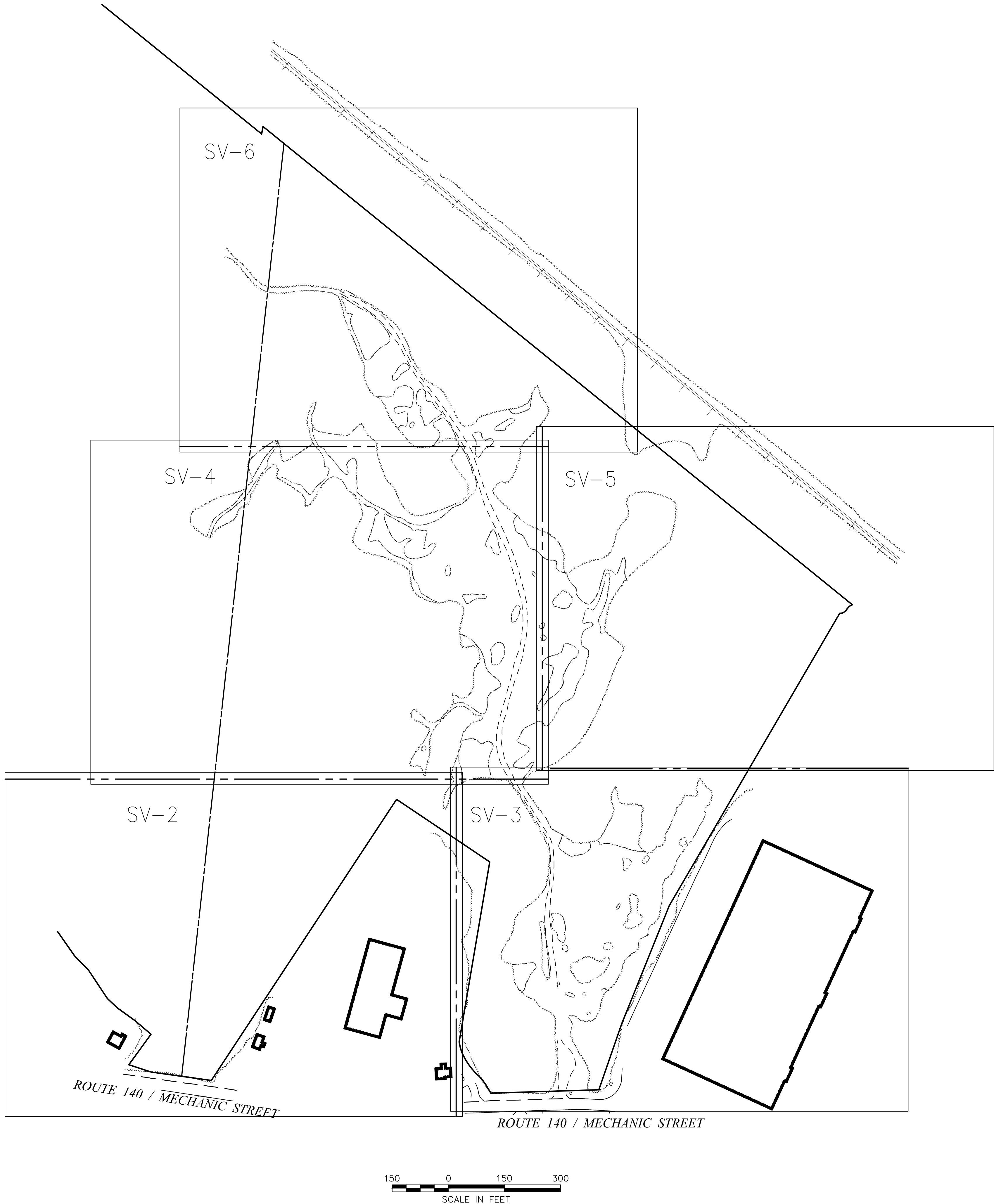
June 25, 2018

Drawing Number

**Sv-1**

VARNEY BROTHERS SAND AND GRAVEL  
PID 0051-0013-0000  
BOOK 4639, PAGE 534

- 1) THE PROPERTY LINES SHOWN ON THIS PLAN ARE BASED UPON AN ACTUAL FIELD SURVEY CONDUCTED BY VHB, INC. IN JANUARY, 2018 AND FROM DEEDS AND PLANS OF RECORD. THE ENTIRE BOUNDARY OF THE PROPERTY IS NOT SHOWN ON THIS PLAN. A PROPOSED LINE IS SHOWN AND IS NOT THE RESULT OF A RECORD SUBDIVISION .
- 2) THE EXISTING CONDITIONS SHOWN ON THIS PLAN WERE DEVELOPED FROM AERIAL PHOTOGRAMMETRIC MAPPING BY EASTERN TOPOGRAPHICS, INC., BASED ON AERIAL PHOTOGRAPHS TAKEN ON DECEMBER 7, 2017 AND APRIL 12, 1991.
- 3) THE WETLANDS SHOWN ARE THE RESULT OF AN ACTUAL GROUND SURVEY BY VHB IN JANUARY, 2018.
- 4) THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED ON FIELD OBSERVATIONS AND INFORMATION OF RECORD. THEY ARE NOT WARRANTED TO BE EXACTLY LOCATED NOR IS IT WARRANTED THAT ALL UNDERGROUND UTILITIES OR OTHER STRUCTURES ARE SHOWN ON THIS PLAN.
- 5) HORIZONTAL DATUM IS BASED ON MASS. GRID SYSTEM, NAD 1983. ELEVATIONS SHOWN ON THIS PLAN REFER TO NAVD OF 1988.
- 6) THE TREE SYMBOL OUTLINE SHOWN ON THIS PLAN DOES NOT REPRESENT THE ACTUAL TREE CANOPY.
- 7) THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT AND MAY BE SUBJECT TO ADDITIONAL INFORMATION DISCLOSED IN SUCH







### Legend

- [illegible]

Mechanic Street  
Bellingham, Massachusetts

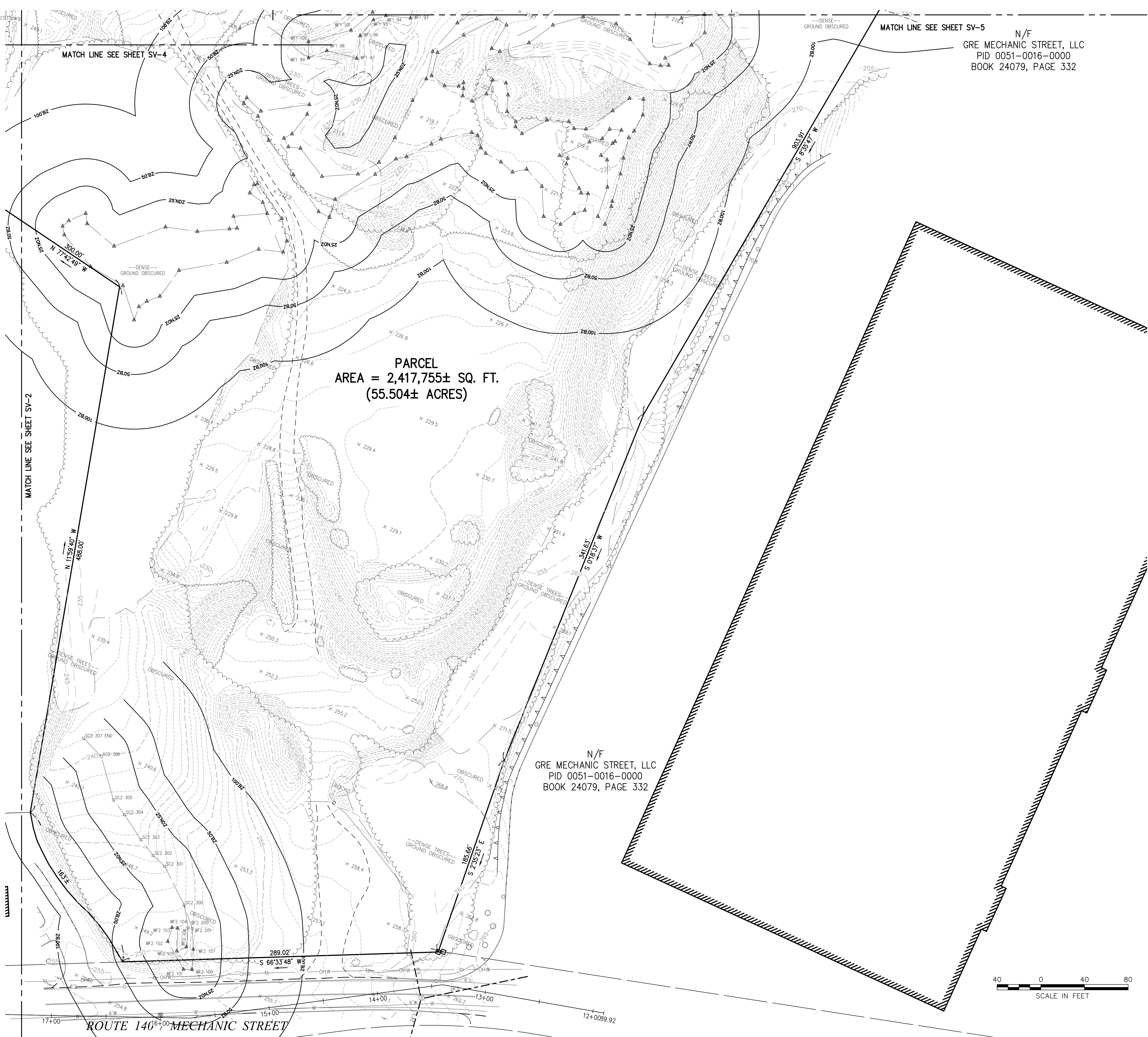
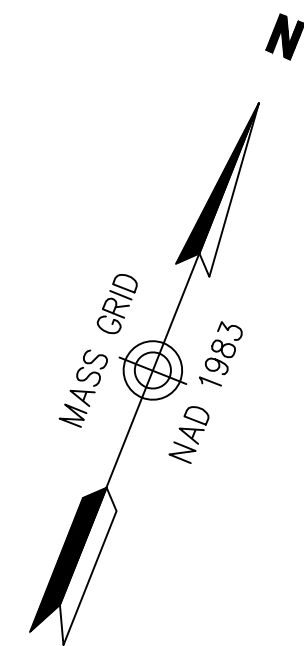
June 25, 2018

Drawing Number

























































Sheet 2 of 6

Project Number  
14073.00





### Legend

-  DRAIN MANHOLE  
 CATCH BASIN  
 SEWER MANHOLE  
 ELECTRIC MANHOLE  
 TELEPHONE MANHOLE  
 MANHOLE  
 H H H HAND HOLE  
 WATER GATE  
 FIRE HYDRANT  
 GAS GATE  
 BOLLARD w/ LIGHT  
 STREET SIGN  
 LIGHT POLE  
 UTILITY POLE  
 GUY POLE  
 GUY WIRE  
 MONITORING WELL  
 FLOOD LIGHT  
 WELL  
 MARSH  
 F.F.E. = 45.27  
 FINISHED FLOOR ELEVATION  
 CNO  
 COULD NOT OPEN  
 NPY  
 NO PIPES VISIBLE  
 DDL  
 DOUBLE YELLOW LINE  
 DASHED WHITE LINE  
 SWL  
 SINGLE WHITE LINE  
 LSA  
 L-SHAPED AREA  
 EDGE OF PAVEMENT  
 CONCRETE CURB  
 VERTICAL CONCRETE CURB  
 SLOPED GRANITE EDGE  
 BITUMINOUS BERM  
 BITUMINOUS CURB  
 GUARD RAIL  
 CHAIN LINK FENCE  
 DRAINAGE LINE  
 SEWER LINE  
 OVERHEAD WIRE  
 UNDERGROUND ELECTRIC  
 TELEPHONE LINE  
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 TREE LINE  
 100-FT BUFFER ZONE  
 100-FT RIVER FRONT AREA  
 200-FT RIVER FRONT AREA  
 LIMIT MEAN ANNUAL HIGH WATER  
 LIMIT OF BANK  
 VEGETATED WETLAND BOUNDARY

## Lincoln Properties

Mechanic Street  
Bellingham, Massachusetts

[illegible]

# Existing Conditions Plan of Land

Drawing Number

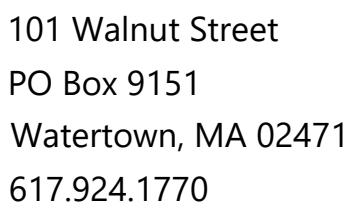
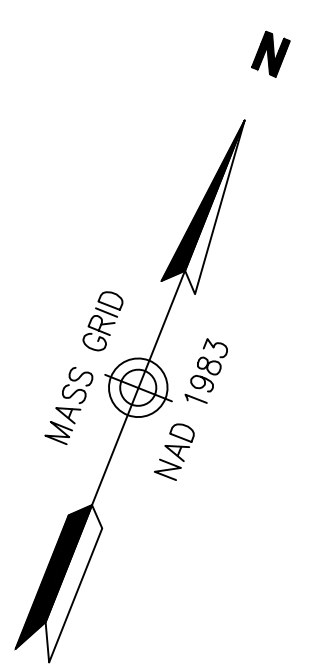
**Sv-3**

Sheet 3 of 6

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Project Number  
**14073.00**





- ① DRAIN MANHOLE
- ② CATCH BASIN
- ③ SEWER MANHOLE
- ④ ELECTRIC MANHOLE
- ⑤ TELEPHONE MANHOLE
- ⑥ MANHOLE
- HHO HAND HOLE
- WATER GATE
- FIRE HYDRANT
- GAS GATE
- BOLLARD w/LIGHT
- STREET SIGN
- LIGHT POLE
- UTILITY POLE
- GUY POLE
- GUY WIRE
- ◐ MONITORING WELL
- FLOOD LIGHT
- WV WELL
- MARSH
- ⚡ F.F.E.=45.27'
- FINISHED FLOOR ELEVATION
- CNO COULD NOT OPEN
- NYP NO PIPES VISIBLE
- DVL DOUBLE YELLOW LINE
- DWL DASHED WHITE LINE
- DWL SINGLE WHITE LINE
- LSA LANDSCAPED AREA
- DRIVE OF PAVEMENT
- CONCRETE CURB
- VERTICAL GRANITE CURB
- SLOPED GRANITE EDGE
- BB BITUMINOUS BERM
- BITUMINOUS CURB
- GUARD RAIL
- CHAIN LINK FENCE
- DRAINAGE LINE
- SEWER LINE
- OVERHEAD WIRE
- UNDERGROUND ELECTRIC
- TELEPHONE LINE
- GAS LINE
- WATER LINE
- STONE WALL
- TREE LINE
- 100'-FT BUFFER ZONE
- 100'-FT RIVER FRONT AREA
- 200'-FT RIVER FRONT AREA
- LIMIT MEAN ANNUAL HIGH WATER
- LIMIT OF BANK
- VEGETATED WETLAND BOUNDARY



Mechanic Street  
Bellingham, Massachusetts

Drawing Title

# Existing Conditions

## Plan of Land

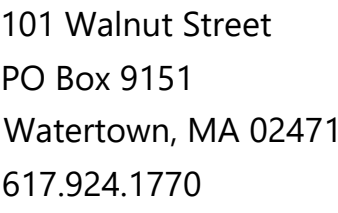
Drawing Number

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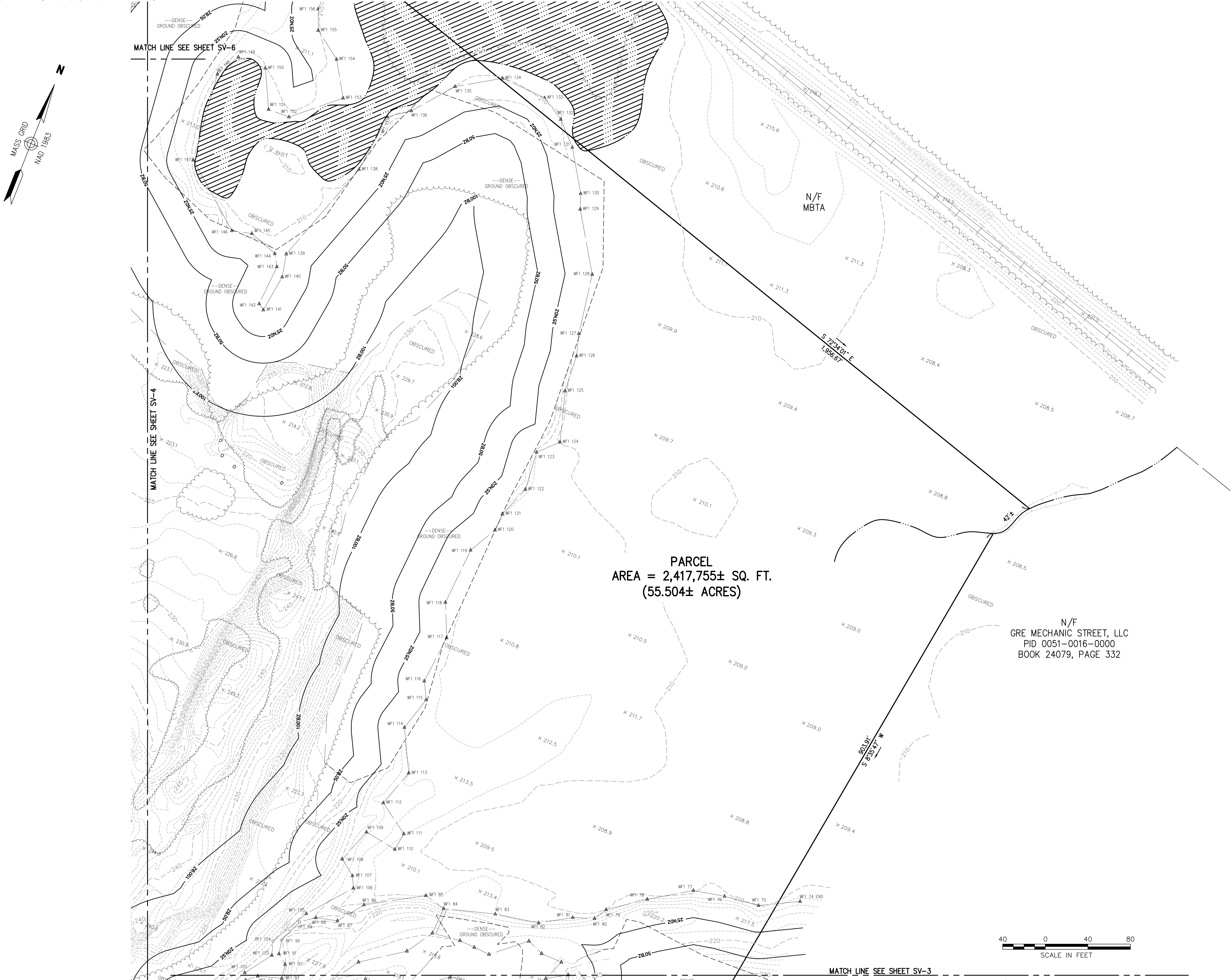
Project Number  
14073.00



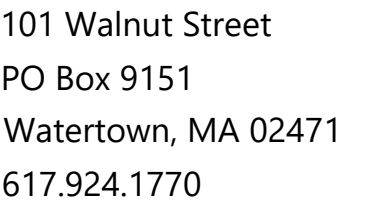


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- LSA LASHED ASBESTOS
- EDGE OF PAVEMENT
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- BC BITUMINOUS BERM
- BT BITUMINOUS CURB
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Project Number  
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Mechanic Street  
Bellingham, Massachusetts

| No.         | Revision | Date                         | Approd. |
|-------------|----------|------------------------------|---------|
|             |          |                              |         |
|             |          |                              |         |
|             |          |                              |         |
|             |          |                              |         |
|             |          |                              |         |
|             |          |                              |         |
| Designed by |          | Checked by                   |         |
| Issued for  |          | Date<br><b>June 25, 2018</b> |         |

Drawing Number

# Sv-6

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Project Number  
**14073.00**



