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CLEAN OUT CONDUIT DELINEATOR DRAIN MANHOLE ELECTRIC BOX ELECTRIC HAND H ELECTRIC METER FLAG FIRE UTILITY GAS GATE GAS METER GUYWIRE HYDRANT-DRY HVAC UNIT IRON PIPE/REBAR IRRIGATION CONTR IRRIGATION HEAD	OLE	MONITORING WELL PLANTER POINT OF BEGINNING POST ROCK SEWER MANHOLE SHRUB SIGN STUMP SUPPORT PILLAR TELEPHONE BOX TREE — CONIFEROUS TREE — DECIDIOUS UTILITY POLE VENT WATER GATE WATER SHUTOFF WETLAND WETLAND WETLAND WETLAND GE LINE F PAVEMENT POPTIC LINE IE AD ELECTRIC NG WALL LINE LINE LINE LINE LINE LINE LINE LI
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SURVEY NOTES

- 1) THIS PLAN DEPICTS FIELD EVIDENCE AS LAST OBSERVED BY PROMISED LAND SURVEY, LLC (PLS) ON JUNE 8, 2023.
- 2) HORIZONTAL DATUM IS NAD83-NSRS 2007 BASED ON CARLSON BRX7 RTK POST-PROCESSED GNSS.
 3) VERTICAL DATUM IS NAVD88-GEOID 18 BASED ON CARLSON BRX7 RTK POST-PROCESSED GNSS. THE VERTICAL DATUM OF THE SITE IS REFERENCED TO THE TEMPORARY BENCHMARKS PROVIDED AND AS SUCH THESE SHALL BE UTILIZED FOR ALL SITE WORK.
- 4) UNDERGROUND UTILITIES, IF SHOWN, ARE APPROXIMATE AND ARE BASED ON FIELD EVIDENCE.

 ADDITIONAL UNDERGROUND UTILITIES MAY EXIST. CONTACT DIG SAFE (811) PRIOR TO ANY EXCAVATION OR CONSTRUCTION ACTIVITY.
- 5) RIGHT OF WAY AND BOUNDARY LINE INFORMATION SHOWN HEREON IS APPROXIMATE AND IS BASED ON FIELD EVIDENCE IN CONJUNCTION WITH PLAN INFORMATION OBTAINED FROM THE ROCKINGHAM COUNTY REGISTRY OF DEEDS. AS SUCH, THIS PLAN DOES NOT REPRESENT A BOUNDARY SURVEY.
- 6) BOUNDARY MONUMENTS, AS SHOWN, SHOULD NOT BE UTILIZED FOR VERTICAL CONTROL; VERTICAL CONTROL HAS BEEN ESTABLISHED/PROVIDED.
- 7) THE SURFACE AND FAULT LINES GENERATED/PROVIDED BY PLS REPRESENT THE SURFACE MODEL INTENDED FOR USE. THIS SURFACE TAKES INTO ACCOUNT THOSE POINTS WHICH SHOULD NOT BE UTILIZED FOR VERTICAL LOCATION AND SITE FAULT LINES. AS SUCH, ANY SURFACE GENERATED BEYOND WHAT HAS BEEN PROVIDED IS AT THE DISCRETION OF THE CREATOR AND PLS ASSUMES NO RESPONSIBILITY FOR ITS CREATION OR USAGE.
- 8) PRIOR TO ANY EXCAVATION, CONSTRUCTION OR SITE WORK, DUE DILIGENCE SITE CHECKS AND CONFIRMATIONS SHALL BE COMPLETED BY THE CONTRACTOR.
- 9) IF THERE APPEARS TO BE ANY DISCREPANCIES IN HORIZONTAL OR VERTICAL CONTROL/INFORMATION, IT IS THE DUTY OF THE CONTRACTOR/DESIGNER TO NOTIFY PLS IN ORDER TO DETERMINE THE BEST SOLUTION. ANY PROGRESS IN SITE WORK WITHOUT SEEKING RESOLUTION TO SAID ISSUES IS NOT THE RESPONSIBILITY OF PLS.
- 10) IF THERE APPEARS TO BE ANY DISCREPANCIES IN INVERT INFORMATION WITHIN DRAINAGE, SEWER, OR OTHER STRUCTURES, IT IS THE DUTY OF THE CONTRACTOR/DESIGNER TO IMMEDIATELY NOTIFY PLS IN ORDER TO DETERMINE THE BEST SOLUTION. ANY CONSTRUCTION WITHOUT SEEKING IMMEDIATE RESOLUTION TO SAID ISSUES IS NOT THE RESPONSIBILITY OF PLS.
- 11) DUE TO THE UNSECURED USE OF ELECTRONIC FILES AND THE INABILITY OF PLS TO ESTABLISH CONTROLS OVER THEIR USE, PLS ASSUMES NO RESPONSIBILITY FOR ANY CONSEQUENCES ARISING OUT OF THE USE OF THE DATA. IT IS THE SOLE RESPONSIBILITY OF THE RECIPIENT TO CHECK THE VALIDITY OF ALL INFORMATION CONTAINED HEREIN. THE RECIPIENT SHALL AT ALL TIMES REFER TO THE SIGNED AND SEALED DRAWINGS OF THE PROJECT DURING ALL PHASES OF THE PROJECT. THE RECIPIENT SHALL ASSUME ALL RISKS AND LIABILITIES RESULTING FROM THE USE OF THIS DATA, AND THE RECIPIENT AGREE(S) TO WAIVE ANY AND ALL CLAIMS AND LIABILITY AGAINST PLS AND ITS SUB CONSULTANTS RESULTING IN ANY WAY FROM THE USE OF THE ELECTRONIC FILES.
- 12) USE OF THIS DRAWING & INFORMATION HEREIN IS TO BE CONSTRUED AS ACCEPTANCE OF THE TERMS AND CONDITIONS AS DETAILED ABOVE.



PROJECT LOCATION MAP

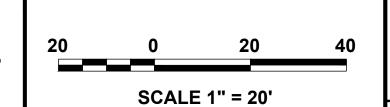
SCALE: 1"=2000

REVISIONS				
NUMBER	DATE	BY	DESCRIPTION	





P.O. Box 432 New Boston, NH 03070 (603) 413-6650



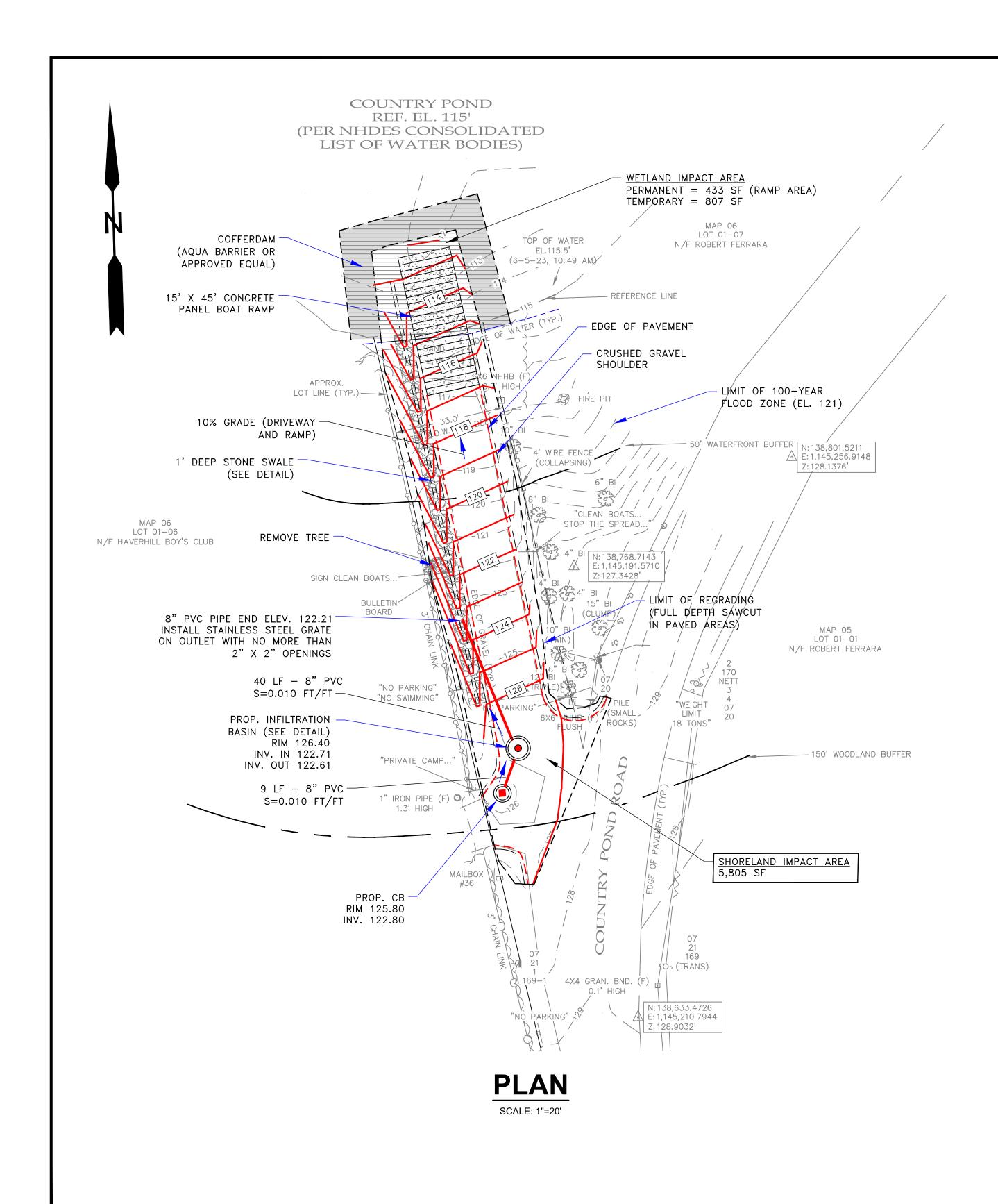
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NEWTON, NEW HAMPSHIRE

1 of 4

SHEET NO.

EXISTING CONDITIONS PLAN



GENERAL NOTES

- 1. BASE MAP INFORMATION IS PROVIDED BY PROMISED LAND SURVEY OF DERRY, NH. SURVEY WAS COMPLETED IN JULY 2023.
- 2. ELEVATIONS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM.
- 3. THE CONTRACTOR SHALL VERIFY ALL RELEVANT ANGLES, LENGTHS, ELEVATIONS, AND INVERTS PRIOR TO CONSTRUCTION.
- 4. THE LOCATION OF EXISTING UTILITIES AND SUBSURFACE STRUCTURES AS SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND APPROPRIATE UTILITY AUTHORITY OF ANY DISCREPANCY WITH THE DRAWINGS. NEITHER THE ENGINEER NOR THE OWNER WARRANTS OR GUARANTEES THE CONDITIONS SHOWN ON THE DRAWINGS.
- 5. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL SUBSURFACE STRUCTURES AND UTILITIES THROUGH THE APPROPRIATE AGENCY. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY EXCAVATION. THE CONTRACTOR SHALL CALL THE DIG-SAFE CENTER (1-888-344-7233) AT LEAST 72 BUSINESS HOURS PRIOR TO ANY EXCAVATION.
- 6. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE VARIOUS AFFECTED UTILITY AUTHORITIES TO PREVENT UNNECESSARY DELAY OF WORK OR INTERRUPTION OF SERVICES.
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING AND SUPPORTING ALL UTILITIES DURING CONSTRUCTION AND FOR COORDINATING SUCH ACTIVITY WITH THE APPROPRIATE UTILITY AUTHORITIES. ANY UTILITY DESTROYED OR DAMAGED BY THE CONTRACTOR SHALL BE IMMEDIATELY REPAIRED OR REPLACED AS DIRECTED BY THE UTILITY AUTHORITY AT NO ADDITIONAL COST TO THE OWNER.
- 8. THE CONTRACTOR SHALL MAINTAIN TRAFFIC IN A SAFE MANNER AT ALL TIMES DURING CONSTRUCTION AND IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND AS REQUIRED BY THE TOWN POLICE DEPARTMENT OR THE ENGINEER. IT IS UNDERSTOOD THAT NO ROADWAYS WILL BE CLOSED AND NO DETOURS WILL BE PERMITTED TO ACCOMMODATE CONSTRUCTION AND THE CONTRACTOR SHALL PLAN THE CONSTRUCTION ACTIVITIES ACCORDINGLY.
- 9. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ACCESS TO ALL ABUTTING PROPERTIES WITHIN THE PROJECT AREA AT ALL TIMES, UNLESS OTHERWISE APPROVED BY THE OWNER.
- 10. THE CONTRACTOR SHALL CONFINE ALL OPERATIONS AND ACTIVITIES FOR CONSTRUCTION PURPOSES TO THE TOWN'S RIGHT—OF—WAY, OR IN STAGING/STOCKPILE AREAS APPROVED BY THE TOWN. THE CONTRACTOR SHALL LOCATE STAGING AREAS THROUGH AGREEMENTS WITH AFFECTED PROPERTY OWNERS, OR PROVIDE ALTERNATE MEANS TO STORE MATERIAL AT THE WORK AREA AS REQUIRED.
- 11. DURING NON-WORKING HOURS, THE CONTRACTOR SHALL SECURE ALL EQUIPMENT AND MATERIALS WITHIN THE LIMITS OF WORK.
- 12. THE CONTRACTOR SHALL TAKE PHOTOGRAPHS OR A VIDEO OF THE ENTIRE PROJECT THAT PRIOR TO THE BEGINNING OF ANY WORK AT NO COST TO THE TOWN. THE PHOTOGRAPHS OR VIDEO SHALL FULLY DOCUMENT EXISTING CONDITIONS IN AND NEAR THE PROJECT AREA AND BE ARCHIVED IN THE TOWN OFFICES AND REMAIN THE PROPERTY OF THE TOWN. DIGITAL IMAGES ARE ACCEPTABLE IF IN A FORMAT THAT CAN BE VIEWED BY THE TOWN.
- 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING PAVEMENT, ROADWAYS, SIGNS, CURBS, SIDEWALKS, DRIVEWAYS, MAILBOXES, FENCES, PLANTINGS OR OTHER PHYSICAL FEATURES CAUSED BY THE CONTRACTOR'S ACTIVITIES AND SHALL REPAIR THEM AT NO ADDITIONAL COST TO THE OWNER. ALL AREAS BEYOND THE LIMITS OF CONSTRUCTION WHICH ARE DISTURBED BY THE CONTRACTOR SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- 14. THE CONTRACTOR SHALL TAKE PRECAUTIONS DURING CONSTRUCTION TO MINIMIZE THE AMOUNT OF DEBRIS THAT COLLECTS IN CATCH BASINS, CULVERTS AND MANHOLES. THE CONTRACTOR SHALL CLEAN ALL CATCH BASINS, CULVERTS AND MANHOLES AFFECTED BY CONSTRUCTION IN ORDER TO MAINTAIN AN OPERATING SYSTEM.
- 15. ALL EXISTING CURB, SIGNS, DRAINAGE STRUCTURES, UTILITIES AND ANY OTHER MATERIALS WITHIN THE RIGHT OF WAY THAT ARE REMOVED BY THE CONTRACTOR MAY BE INSPECTED BY THE OWNER. THE OWNER RESERVES THE RIGHT TO RETAIN OWNERSHIP AND MAY DIRECT THE CONTRACTOR TO SALVAGE AND STOCKPILE ANY SUCH EXISTING MATERIALS AT NO ADDITIONAL COST TO THE OWNER. ANY EXISTING MATERIALS THE OWNER CHOOSES NOT TO SALVAGE AND STOCKPILE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- 16. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS FROM APPLICABLE GOVERNMENTAL AGENCIES, INCLUDING THE OWNER, PRIOR TO THE START OF ANY CONSTRUCTION.
- 17. THE CONTRACTOR IS REQUIRED TO PROVIDE ADEQUATE SHORING FOR THE SOIL CONDITIONS AND DEPTHS ENCOUNTERED DURING CONSTRUCTION.
- 18. IN THE EVENT THE CONTRACTOR ENCOUNTERS EXISTING MATERIAL REASONABLY BELIEVED TO BE HAZARDOUS WHICH HAS NOT BEEN RENDERED HARMLESS, THE CONTRACTOR SHALL IMMEDIATELY STOP WORK IN THE AFFECTED AREA AND REPORT THE CONDITION TO THE OWNER AND ENGINEER. WORK IN THE AFFECTED AREA SHALL NOT RESUME UNTIL WRITTEN VERIFICATION BY THE OWNER THAT THE MATERIAL HAS BEEN REMOVED OR OTHERWISE BEEN RENDERED HARMLESS.
- 19. THE CONTRACTOR AND ALL SUBCONSULTANTS SHALL FAMILIARIZE THEMSELVES WITH THE CONTRACT DOCUMENTS. ALL DRAWINGS OF ANY PARTICULAR TRADE SHALL BE USED IN CONJUNCTION WITH DRAWINGS OF ALL OTHER TRADES TO COORDINATE THE CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED WORK. ANY PROPOSED CHANGES, VARIATIONS, OR SUBSTITUTIONS MUST BE REVIEWED AND ACCEPTED BY THE ENGINEER PRIOR TO IMPLEMENTATION.
- 20. ALL PROPOSED WORK WILL BE COMPLETED IN ACCORDANCE WITH NHDOT STANDARD SPECIFICATIONS AND DETAILS (LATEST VERSION AND ALL AMENDMENTS)
 UNLESS OTHERWISE NOTED ON THESE PLANS OR SPECIFIED IN THE CONTRACT DOCUMENTS.
- 21. IMPLEMENT THE FOLLOWING MEASURES AS A MINIMUM PRIOR TO THE WINTER SUSPENSION OF WORK:
- a. MAINTAIN TRAFFIC ON NEW PAVEMENT WITH APPROPRIATE PAVEMENT MARKINGS FOR THE WINTER.
- b. PAVE ALL DRIVES THAT HAVE HAD PAVEMENT REMOVED DURING CONSTRUCTION.
- c. STABILIZE AND/OR VEGETATE ALL DISTURBED SLOPES.
- d. REMOVE TEMPORARY TRAFFIC CONTROL BARRIERS THAT HINDER WINTER MAINTENANCE.
- e. PRIOR TO WINTER MAINTENANCE SEASON (BEGINNING NOVEMBER 1), ARRANGE A REVIEW OF THIS PROJECT WITH THE TOWN TO ENSURE THE ROADWAY IS ACCEPTABLE FOR WINTER MAINTENANCE.

REVISIONS					
NUMBER	DATE	BY	DESCRIPTION		
1	10-17-2024	MSV	REVISED COFFERDAM AND PIPE OUTLET		





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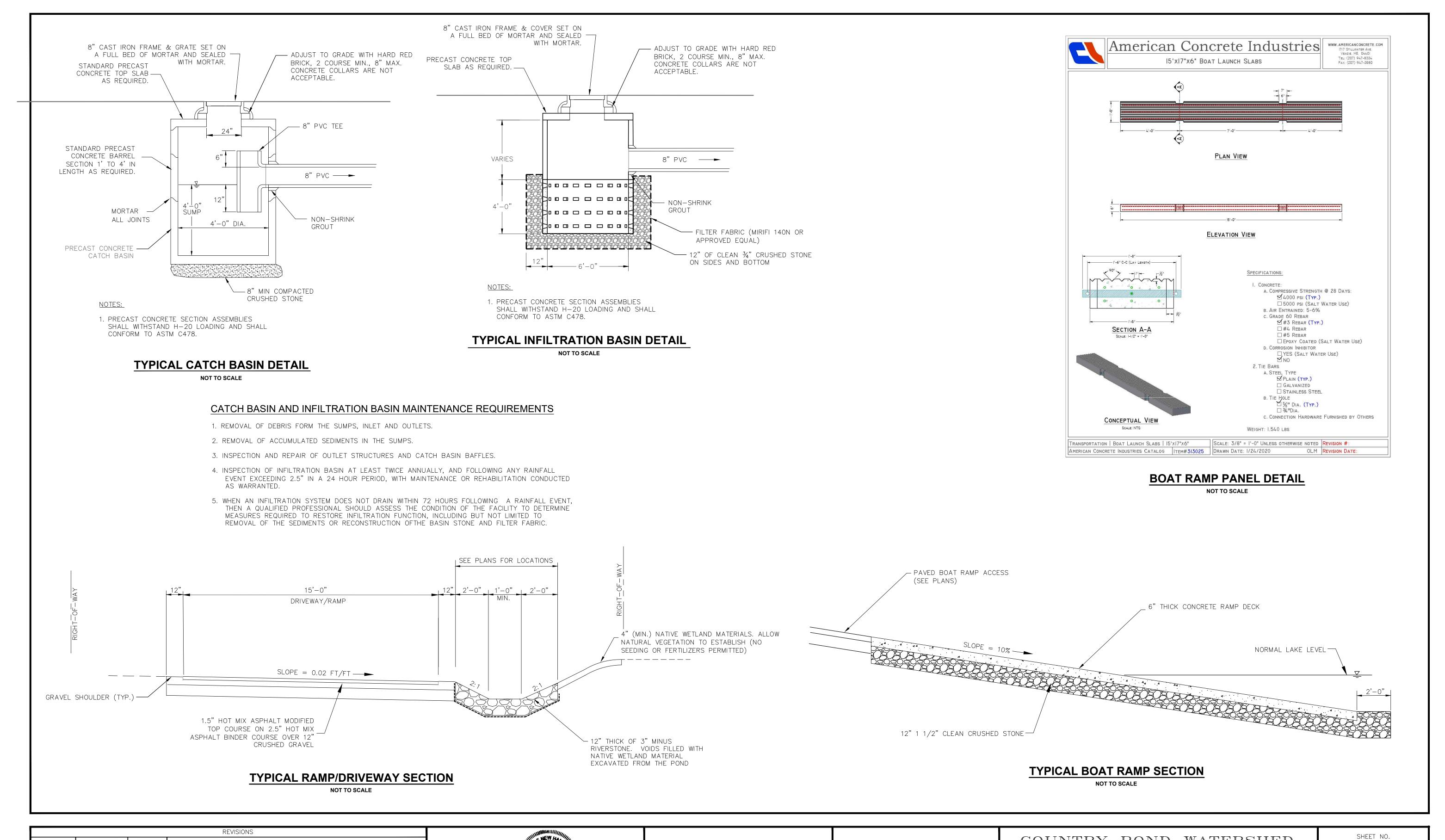


COUNTRY POND WATERSHED
MANAGEMENT PLAN-PHASE 1
NEWTON, NEW HAMPSHIRE

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SHEET NO.

CONSTRUCTION PLAN



ILEVISIONS					
NUMBER	DATE	BY	DESCRIPTION		
1	10-17-2024	MSV	REVISED TYPICAL RAMP/DRIVEWAY SECTION		





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CONSTRUCTION DETAILS

SEQUENCE OF CONSTRUCTION

- 1. CUT AND CLEAR ALL TREES WITHIN THE DISTURBANCE AREA UNLESS OTHERWISE DIRECTED BY THE ENGINEER. ALL VEGETATION CLEARED WILL BE REMOVED FROM THE SITE BY THE CONTRACTOR.
- 2. CONSTRUCT TEMPORARY AND PERMANENT EROSION CONTROL DEVICES INCLUDING SILT FENCES SEDIMENTATION PONDS, DEWATERING FACILITIES, PONDS AND ANY OTHER DEVICES SPECIFIED.
- 3. COMPLETE GRUBBING OPERATIONS. REMOVE ALL PEAT, MUCK, ORGANIC MATERIALS FROM THE ROADWAY FOUNDATION AREA. ALL STUMPS. DEBRIS AND TOPSOIL. ORGANIC MATERIALS. PEAT MUCK, ETC. AND WILL BE DISPOSED OF OFF SITE BY THE CONTRACTOR.
- 4. EXCAVATE FOR RAMP, DRAINAGE SYSTEM, STONE SWALE AND DRIVEWAY BASE COURSES.
- 5. INSTALL RAMP, DRIANAGE SYSTEM AND DRIVEWAY..
- 6. STABILIZE THE SITE IN ACCORDANCE WITH THE EROSION CONTROL REQUIREMENTS AS INDICATED ON THE PLANS INCLUDING LOAMING AND SEEDING ALL SLOPES EXCEPT THOSE DIRECTLY ADJACENT TO THE ROADWAY WHERE GRAVELS WILL BE PLACED.
- 7. GRADE AND COMPACT THE GRAVEL AND CRUSHED GRAVEL BASE COURSES.
- 8. COMPLETE PLACEMENT OF NATIVE WETLAND SOILS ON SLOPE AREAS AND IN DRIANAGE
- 9. CLEAN THE SITE, DRAINAGE STRUCTURES, PIPES, SWALES, OF ANY ACCUMULATED SEDIMENT.
- 10. AFTER THE SITE IS FULLY STABILIZED, REMOVE ALL TEMPORARY EROSION CONTROL DEVICES AND RESTORE DISTURBED AREAS AS REQUIRED.
- 11. NOTIFY PERMITTING AGENCIES THAT CONSTRUCTION HAS BEEN COMPLETED.

EROSION CONTROL NOTES

- 1. THE SMALLEST PRACTICAL AREA SHALL BE DISTURBED DURING CONSTRUCTION AT ANY ONE TIME AND IN NO CASE SHALL THE AREA OF DISTURBANCE EXCEED FIVE ACRES.
- 2. DISTURBED AREAS SHALL NOT REMAIN EXPOSED FOR LONGER THAN 60 DAYS. ALL DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED WITHIN 72 HOURS OF FINAL GRADING.
- 3. TEMPORARY SEEDING SHALL NOT BE USED ON THIS PROJECT.
- 4. INSTALLATION OF SILT FENCES AND/OR HAY BALE SEDIMENTATION BARRIERS SHALL BE COMPLETED PRIOR TO THE START OF ANY CONSTRUCTION IN ACCORDANCE WITH THE DETAILS HEREIN, WITH THE MANUFACTURER'S RECOMMENDATIONS AND IN ACCORDANCE WITH NHDES PERMIT REQUIREMENTS.
- 5. ALL DITCHES, PONDS AND DRAINAGE INFRASTRUCTURE SHALL BE STABILIZED PRIOR TO DIRECTING FLOW TO THEM.
- 6. ALL SLOPES IN STEEPER THAN 2:1 SHALL HAVE EROSION CONTROL MATTING PLACED UNLESS OTHERWISE PERMITTED BY THE ENGINEER. SLOPES THAT ARE 2:1 OR FLATTER SHALL HAVE EROSION CONTROL MATTING PLACED AS DIRECTED BY THE ENGINEER AND AS REQUIRED TO STABILIZE THE SLOPE.
- 7. STONE CHECK DAMS SHALL BE INSTALLED AT 50 FOOT INTERVALS OR AS SHOWN ON THE DETAIL ALONG THE CENTERLINE OF THE PROPOSED DRAINAGE DITCHES, OR AS DIRECTED BY THE ENGINEER, UNTIL PERMANENT SURFACE TREATMENTS ARE INSTALLED AND FULLY STABILIZED.
- 8. SEDIMENTATION BARRIERS SHALL BE KEPT CLEAN OF ACCUMULATED SEDIMENTS DURING CONSTRUCTION AS REQUIRED TO PROTECT ALL RESOURCE AREAS.
- 9. EROSION CONTROL MEASURES SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EVERY STORM EVENT IN EXCESS OF 0.5". EROSION CONTROL MEASURES SHALL BE MAINTAINED FOR THE DURATION OF THE CONSTRUCTION OR UNTIL ALL DISTURBED AREAS ARE FULLY STABILIZED WITH APPROPRIATE SURFACE TREATMENTS (GRASSES, STONE, PAVEMENT, ETC.).
- 10. EXISTING VEGETATION SHALL REMAIN UNDISTURBED WHEREVER POSSIBLE AND ANY DISTURBED AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE FOLLOWING REGRADING.
- 11. UNLESS OTHERWISE NOTED, ALL DISTURBED AREAS SHALL HAVE A MINIMUM OF 4" OF LOAM, BE PROPERLY FERTILIZED AND SEEDED IN ACCORDANCE WITH THE NOTES HEREIN AND THE SPECIFICATIONS.
- 12. ALL EROSION CONTROL MEASURES SHALL BE CLEANED OF ANY ACCUMULATED DEBRIS AND REMOVED UPON STABILIZATION OF ALL DISTURBED AREAS.
- 13. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
 - BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;
 - A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED; • A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIPRAP HAS BEEN

 - EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.

WINTER CONSTRUCTION NOTES

- 1. ALL PROPOSED VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, ELSEWHERE. THE INSTALLATION OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS;
- 2. ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS; AND
- 3. AFTER NOVEMBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL PER NHDOT ITEM 304.3.

NHB24-1493 New Hampshire Fish and Game Recommended Permit Conditions:

- 1. Work shall be conducted during the water drawdown with the appropriate sediment control measures put in place during construction to prevent sediment related to construction activities from entering the water. Work shall be completed prior to refilling.
- 2. Blanding's Turtle (state endangered), Spotted Turtle (state threatened), Eastern Pond Mussel (State Threatened), and American Eel (special concern) occur within the vicinity of the project area. a. All operators and personnel working on or entering the site shall be made aware of the potential presence of these along with NHFG contact information.
 - b. Recommended conservation measures shall apply to all work areas unless otherwise specified by NHFG.
- c. See Plan Sheet flyer this sheet.
- 3. Rare species information (e.g. identification, observation and reporting of observations, when to contact NHFG immediately and NHFG contact information) shall be communicated during morning tailgate meetings prior to work commencement. If applicable, species flyers shall be included on the project's bulletin board.
- 4. Report any freshwater mussel shells or live animals observed within the project area immediately to the NHFG nongame and endangered wildlife environmental review program by phone at 603-271-2461 and by email at NHFGreview@wildlife.nh.gov, with the email subject line reading: Wildlife Species Observation_NHB24-1493 Country Road Pond_Newton. Please provide photographs through email.
- 5. During and after construction is complete, no fertilizers or tackifiers shall be used on the property. Eastern Pond Mussels are highly susceptible to runoff, pollution, and sedimentation from land
- 6. All rip-rap shall consist of rounded stones and exposed voids should be filled with finer material (i.e., native wetland material in between rip-rap) to create a relatively smooth surface for wildlife
- 7. Catch basins and outlet control structures shall have grate openings no larger than 2" x 2".

American Eel

(Anguilla rostrata)

New Hampshire Species of Concern

Immediately report sightings to NH Fish and Game

Melissa Winters (603-479-1129) or

Josh Megyesy (978-578-0802)

Please report promptly, noting specific location and date

Photographs strongly encouraged

- 8. Outlet control structures, if applicable, shall not be placed adjacent to the side slopes but rather as far away as possible to deter wildlife from crawling onto them and falling through the grate openings. These structures shall be a minimum of 12"-18" above grade.
- 9. Temporary seeding shall not be used.
- 10. Maintain the existing riparian buffer between the site and the shoreline. If areas of the buffer must be cleared for any reason to conduct these project activities, allow natural revegetation to
- 11. All manufactured erosion and sediment control products, with the exception of turf reinforcement mats, utilized for, but not limited to, slope protection, runoff diversion, slope interruption, perimeter control, inlet protection, check dams, and sediment traps shall not contain plastic, or multifilament or monofilament polypropylene netting or mesh with an opening size of greater than 1/8 inches.
- 12. All observations of threatened or endangered species on the project site shall be reported immediately to the NHFG nongame and endangered wildlife environmental review program by phone at 603-271-2461 and by email at NHFGreview@wildlife.nh.gov, with the email subject line containing the NHB DataCheck tool results letter assigned number, the project name, and the term Wildlife Species Observation.
- 13. Photographs of the observed species and nearby elements of habitat or areas of land disturbance shall be provided to NHFG in digital format at the above email address for verification, as feasible. In the event a threatened or endangered species is observed on the project site during the term of the permit, the species shall not be disturbed, handled, or harmed in any way prior to consultation with NHFG and implementation of corrective actions recommended by NHFG.
- a. Site operators shall be allowed to relocate wildlife encountered if discovered within the active work zone if in direct harm from project activities.
- b. Wildlife shall be relocated close to the capture location but outside of the work zone and in the direction the individual was heading.
- c. NHFG shall be contacted immediately if this action occurs. See Conditions 1 and 8 for NHFG contact information for immediate reporting

Long, slender snake-like fish with

Has one continuous fin that runs

the length of the eel's body and

Found in almost any freshwater

habitat that can be accessed

Small mouth and tiny scales

wraps around the tail

thick, slimy skin

from the ocean

WATCH FOR RARE TURTLES



NHFG Wildlife Biologist Contacts:

Melissa Winters 603-479-1129 and Josh Megyesy 978-578-0802

- Turtles may be attracted to disturbed ground during nesting season (May 15th June 30th).
- Turtles are most active from April 15th October 15th.



Large, dark/black domed shell with lighter speckles.

Distinct yellow throat/chin. Semi-aquatic- uses both wetland and

terrestrial habitats.



Spotted turtle (State Threatened) Small, mostly aquatic with black or

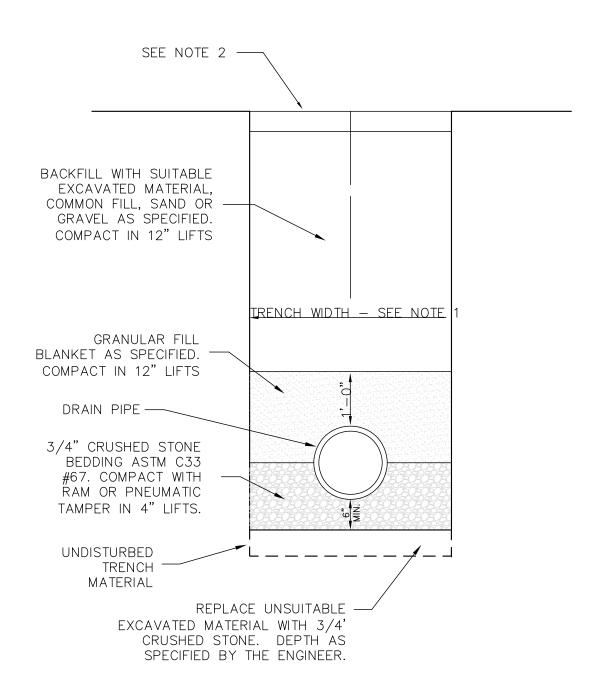
Fairly flat shell compared to Blanding's turtle.

dark brown with yellow spots.

Spots vary in color and number Semi-aquatic - uses both wetland and terrestrial habitats.

Blanding's and spotted turtles are protected by state laws. It is illegal to capture, harass or harm these species, including their nests. Handle ONLY if necessary to move out of harms way. Move to the nearest location in the direction they were moving and contact NHFG. Do not disturb nests.

Report sightings in accordance with NHFG permit conditions. Contact NHFG Wildlife Biologist Melissa Winters 603-479-1129 (cell) and Josh Megyesy 978-578-0802 (group text preferred) if a turtle is observed nesting or a nest site is suspected within the project area. Please report promptly, noting specific location, project site and date - Photographs strongly encouraged to be included with report.



NOTES:

- 1. MAXIMUM ALLOWABLE TRENCH WIDTH SHALL BE THE GREATER OF 36" OR 2X THE NOMINAL PIPE DIAMETER. MINIMUM TRENCH WIDTH SHALL BE 36"
- 2. WHERE GRASS OCCURS, LOAM AND SEED ALL DISTURBED AREAS TO A MINIMUM DEPTH OF 4 INCHES UNLESS OTHERWISE NOTED. WHERE NO GRASS OCCURS, MATCH EXISTING MATERIALS AND DEPTHS OR PLACE A MINIMUM OF 6 INCHES OF GRAVEL, WHICHEVER IS GREATER.

TYPICAL DRAIN TRENCH DETAIL

NOT TO SCALE

REVISIONS DATE DESCRIPTION NUMBER RY DELETED SEEDING SPECIFICATIONS 10-17-2024 MSV 11-13-2024 MSV ADDED NHB INFORMATION





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NEWTON, NEW HAMPSHIRE

SHEET NO. 4 of 4

CONSTRUCTION DETAILS