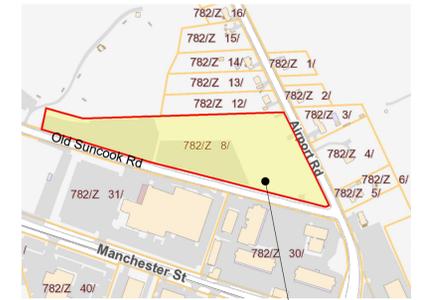
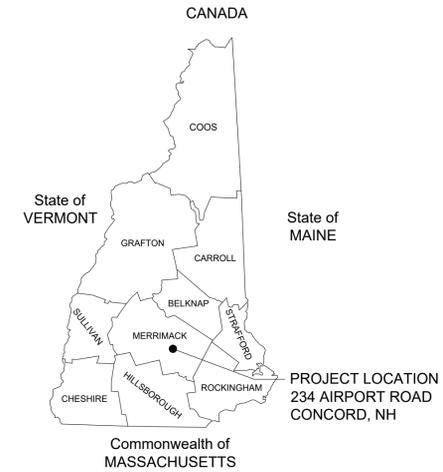


# BANKS CHEVROLET PARKING LOT RECONSTRUCTION

234 AIRPORT ROAD, CONCORD, NH 03301



DCT25-2394 NEW HAMPSHIRE FISH AND GAME RECOMMENDED PERMIT CONDITIONS TO AVOID AND MINIMIZE IMPACTS TO NORTHERN BLACK RACER, EASTERN HOGNOSE SNAKE, FROSTED ELFIN, KARNER BLUE BUTTERFLY, SPOTTED TURTLE, AND WOOD TURTLE. PLEASE REFER TO THE FOLLOWING CONSERVATION MEASURES:

- ALL OPERATORS AND PERSONNEL WORKING ON OR ENTERING THE SITE SHALL BE MADE AWARE OF THE POTENTIAL PRESENCE OF THESE SPECIES AND SHALL BE PROVIDED FLYERS THAT HELP TO IDENTIFY THESE SPECIES, ALONG WITH NHFG BIOLOGIST CONTACT INFORMATION. PLEASE REFER TO THE NHFG WEBSITE FOR UPDATED PROTECTED SPECIES FLYERS.
  - PROTECTED SPECIES INFORMATION (E.G. IDENTIFICATION, OBSERVATION AND REPORTING OF OBSERVATIONS, WHEN TO CONTACT THE NHFG BIOLOGISTS IMMEDIATELY) SHOULD BE COMMUNICATED DURING MEETINGS PRIOR TO WORK COMMENCEMENT THROUGHOUT THE CONSTRUCTION PHASE OF THE PROJECT. SEE PLAN SHEET C7.1.
- OBSERVATIONS OF NORTHERN BLACK RACER AND EASTERN HOGNOSE SNAKE SHALL BE REPORTED IMMEDIATELY TO NHFG WILDLIFE BIOLOGISTS MELISSA WINTERS AND BRENDAN CLIFFORD FOR FURTHER CONSULTATION - VIA GROUP TEXT PREFERRED. SEE SPECIES FLYERS, SEE PLAN SHEET C7.1 FOR CONTACT INFORMATION
- TURTLES MAY BE ATTRACTED TO DISTURBED GROUND DURING NESTING SEASON (MAY 15<sup>TH</sup> - JULY 15<sup>TH</sup>). TURTLE NESTS ARE PROTECTED BY NH LAWS (RSA 212-B:4, FIS 1401.03). IF A NEST IS OBSERVED OR SUSPECTED, OPERATORS SHALL CONTACT JOSH MEGYESY AT NHFG IMMEDIATELY FOR FURTHER CONSULTATION. SEE SPECIES FLYERS, SEE PLAN SHEET C7.1 FOR NHFG BIOLOGIST CONTACT INFORMATION.
  - THE NEST OR SUSPECTED NEST SHALL BE MARKED (SURROUNDING ROPED OFF OR CONE BUFFER DEPLOYED) AND AVOIDED; THIS SHALL BE COMMUNICATED TO ALL PERSONNEL ONSITE.
  - SITE ACTIVITIES SHALL NOT OCCUR IN THE AREA SURROUNDING THE NEST OR SUSPECTED NEST UNTIL FURTHER GUIDANCE IS PROVIDED BY THE ECOLOGICAL REVIEW SECTION.
- SEE PLAN SHEET C7.1 FOR ADDITIONAL RECOMMENDED CONSERVATION MEASURES.
- IN THE EVENT A PROTECTED SPECIES IS OBSERVED ON THE PROJECT SITE DURING THE TERM OF THE PERMIT, THE SPECIES SHOULD NOT BE DISTURBED, HANDLED, OR HARMED IN ANY WAY PRIOR TO CONSULTATION WITH AND IMPLEMENTATION OF CORRECTIVE ACTIONS RECOMMENDED BY THE ECOLOGICAL REVIEW SECTION.
- THE ECOLOGICAL REVIEW SECTION, ITS EMPLOYEES AND AUTHORIZED AGENTS, SHOULD HAVE ACCESS TO THE PROPERTY DURING THE TERM OF THE PERMIT.

**PROJECT DESCRIPTION:**

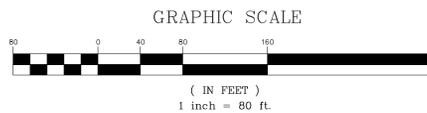
THIS PROJECT IS TO RECONSTRUCT A 73,800 SQUARE FOOT GRAVEL PARKING LOT INTO A 53,540 SQUARE FOOT PAVED PARKING LOT, WITH ASSOCIATED DRIVES, LANDSCAPED AREAS, STORMWATER MANAGEMENT SYSTEMS, AND UTILITIES. PROPOSED PARKING LOT SERVES AS OFF-SITE PARKING FOR BANKS CHEVROLET DEALERSHIP AT MBLU 782/Z/31, LOCATED DIRECTLY ACROSS OLD SUNCOOK ROAD FROM THE PROPOSED PARKING LOT.

**ABUTTERS LIST**

- MBLU 782/Z/3: MADELINE E. WHITE REVOCABLE TRUST, 227 AIRPORT ROAD, CONCORD, NH 03301
- MBLU 782/Z/4: JAKE T. CURTIN, 237 AIRPORT ROAD, CONCORD, NH 03301
- MBLU 782/Z/5: MICHAEL & SANDRA BAXLEY, 239 AIRPORT ROAD, CONCORD, NH 03301
- MBLU 782/Z/12: SHAWN E. PALMER & JANE M. CHLOE, 222 AIRPORT ROAD, CONCORD, NH 03301
- MBLU 782/Z/19: CITY OF CONCORD, 41 GREEN STREET, CONCORD, NH 03301
- MBLU 782/Z/30: PASQUALE F. ALOSA REVOCABLE TRUST, PO BOX 1182, CONCORD, NH 03301
- MBLU 782/Z/31: DAVAL REALTY ASSOCIATES LLC, 137 MANCHESTER STREET, CONCORD, NH 03301
- MBLU 783/Z/2: FORGET & BOUCHER, LLC, 175 MANCHESTER STREET, CONCORD, NH 03301
- MBLU 782/Z/2: MICHAEL J. & LINDSEY G. HABERLAND, 223 AIRPORT ROAD, CONCORD, NH 03301

**SHEET INDEX**

SHEET	NUMBER	TITLE	DATE ISSUED	LATEST REVISION
1	C0.1	COVER SHEET	12/18/2025	02/17/2026
2	C0.2	NOTES & LEGEND	11/19/2025	02/17/2026
3	S1	EXISTING CONDITIONS PLAN	10/16/2025	02/10/2026
4	S2	EXISTING CONDITIONS PLAN	10/16/2025	02/10/2026
5	C1.1	DEMOLITION PLAN	11/19/2025	02/17/2026
6	C1.2	SITE PLAN	12/18/2025	02/17/2026
7	C1.3	GRADING, DRAINAGE, AND UTILITY PLAN	12/18/2025	02/17/2026
8	C1.4	EROSION CONTROL PLAN	12/18/2025	02/17/2026
9	C2.1	DRAINAGE PROFILES	11/19/2025	02/17/2026
10	C5.1	CONSTRUCTION DETAILS	11/19/2025	02/17/2026
11	C5.2	CONSTRUCTION DETAILS	11/19/2025	02/17/2026
12	C5.3	CONSTRUCTION DETAILS	11/19/2025	02/17/2026
13	C5.4	EROSION CONTROL DETAILS	11/19/2025	02/17/2026
14	C7.1	WILDLIFE PROTECTION NOTES	12/09/2025	-/-/----
15	L1	LANDSCAPING PLAN	12/19/2025	02/04/2026
16	L2	SITE LIGHTING PLAN	11/18/2025	-/-/----



**Wilcox & Barton INC.**  
CIVIL • ENVIRONMENTAL • GEOTECHNICAL

2 HOME AVENUE  
CONCORD, NH 03301  
603-369-4190  
www.wilcoxandbarton.com

LAND SURVEYOR  
**HOLDEN ENGINEERING & SURVEYING**  
9 CONSTITUTION DRIVE  
BEDFORD, NEW HAMPSHIRE

LANDSCAPE ARCHITECT  
**TERRAIN PLANNING & DESIGN LLC**  
311 KAST HILL ROAD  
HOPKINTON, NH

LIGHTING DESIGNER  
**VISIBLE LIGHT INC.**  
24 STICKNEY TERRACE, STE 6  
HAMPTON, NH

REVISION HISTORY  
1. REVISED IN RESPONSE TO NHDES ECOLOGICAL REVIEW SECTION COMMENTS (12/09/2025)  
2. REVISED TO COMPLY WITH RESIDENTIAL SCREENING (12/18/2025)  
3. REVISED IN RESPONSE TO CITY OF CONCORD AND NHDES AOT COMMENTS (02/17/2026)

ISSUED FOR  
**PERMITTING**

ALL DOCUMENTS PREPARED BY WILCOX & BARTON, INC. ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY WILCOX & BARTON, INC. FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO WILCOX & BARTON, INC. OWNER SHALL INDEMNIFY AND HOLD HARMLESS WILCOX & BARTON, INC. FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

OWNER  
**DAVAL REALTY ASSOCIATES LLC / BANKS CHEVROLET**

**137 MANCHESTER ST  
CONCORD, NH 03301**

SITE  
**BANKS CHEVROLET  
PARKING LOT  
RECONSTRUCTION**

**234 AIRPORT ROAD  
CONCORD, NH 03301**

**MBLU: 782/Z/8**

DRAWING TITLE  
**COVER SHEET**

SCALE N.T.S.	DATE 11/19/2025
DRAFTED BY KAD	CHECKED BY ERL
PROJECT MGR ERL	PROJECT NO. BACC0005

ENGINEER: ERIN R. LAMBERT  
NH P.E. #11057

**C0.1**

01 OF 16

**APPROVED**  
UNDER THE PROVISIONS OF R.S.A. 674.35 & R.S.A. 674.36  
**CITY PLANNING BOARD**  
CITY OF CONCORD, NEW HAMPSHIRE  
in accordance with vote of the board dated:

Approval of this plan is limited to the date as shown

Chair \_\_\_\_\_ Clerk \_\_\_\_\_



REVISION HISTORY  
1. REVISED IN RESPONSE TO NHDES ECOLOGICAL REVIEW SECTION COMMENTS (12/09/2025)  
2. REVISED TO COMPLY WITH RESIDENTIAL SCREENING (12/18/2025)  
3. REVISED IN RESPONSE TO CITY OF CONCORD AND NHDES AOT COMMENTS (02/17/2026)

ISSUED FOR  
**PERMITTING**  
ALL DOCUMENTS PREPARED BY WILCOX & BARTON, INC. ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY WILCOX & BARTON, INC. FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO WILCOX & BARTON, INC. OWNER SHALL INDEMNIFY AND HOLD HARMLESS WILCOX & BARTON, INC. FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.  
OWNER  
**DAVAL REALTY ASSOCIATES LLC / BANKS CHEVROLET**  
137 MANCHESTER ST  
CONCORD, NH 03301  
SITE  
**BANKS CHEVROLET PARKING LOT RECONSTRUCTION**  
234 AIRPORT ROAD  
CONCORD, NH 03301  
DRAWING TITLE  
**NOTES & LEGEND**

SCALE  
N.T.S.  
DATE  
11/19/2025  
PROJECT MGR  
ERL  
PROJECT NO.  
BACC0005  
SHEET NO.  
**C0.2**  
02 OF 16

ENGINEER  
ERIN R. LAMBERT  
No. 11057  
LICENSED PROFESSIONAL ENGINEER  
NH P.E. #11057

**WINTER CONSTRUCTION NOTES**

ALL PROPOSED POST-DEVELOPMENT 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 ELSEWHERE. MULCH REMAINING IN THE SPRING SHALL BE REMOVED AND REPLACED AT RATE OF 2 TONS PER ACRE. THE PLACEMENT OF EROSION CONTROL BLANKETS OR MULCH AND TACKIFIER SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUND.  
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 WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.  
AFTER OCTOBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES SHALL BE PROTECTED WITH A MINIMUM OF 3-INCHES OF CRUSHED GRAVEL PER INCH OF ITEM 304.3 OR IF CONSTRUCTION IS TO CONTINUE THROUGH THE WINTER SEASON BE CLEARED OF ANY ACCUMULATED SNOW AFTER EACH STORM EVENT.

**REQUIRED PERMITS**

- PROJECT REQUIRES NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES (NHDES) ALTERATION OF TERRAIN PERMIT. THE PERMIT APPLICATION HAS BEEN SUBMITTED.
- PROJECT REQUIRES AN EPA CONSTRUCTION GENERAL PERMIT-NOTICE OF INTENT (NOI). THE CONTRACTOR IS RESPONSIBLE FOR PREPARING A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND SUBMITTING THE NOI.
- PROJECT REQUIRES A CITY OF CONCORD SITE PLAN APPROVAL.
- PROJECT REQUIRES A CITY OF CONCORD EXCAVATION PERMIT FOR WORK WITHIN THE CITY R.O.W.
- PROJECT REQUIRES CITY OF CONCORD UTILITY EASEMENTS FOR WATER AND ELECTRIC CONDUIT IN R.O.W.
- PROJECT REQUIRES A CONDITIONAL USE PERMIT TO ALLOW FOR THE PROPOSED USE WITHIN THE AQUIFER PROTECTION DISTRICT.
- PROJECT REQUIRES A CITY OF CONCORD DRIVEWAY PERMIT.
- PROJECT REQUIRES NHDES REGISTRATION FOR STORMWATER INFILTRATION TO GROUNDWATER PERMIT.
- A UTILITY LICENSE MAY BE REQUIRED TO INSTALL PRIVATE UTILITIES UNDER OLD SUNCOOK ROAD. LICENSING SHALL BE COORDINATED WITH THE CITY OF CONCORD PRIOR TO THE PRE-CONSTRUCTION MEETING.

**CONSTRUCTION SEQUENCE**

- CONSTRUCT TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO ANY EARTH MOVING OPERATIONS. INSPECT EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND WITHIN 24 HOURS OF ANY SIGNIFICANT RAINFALL EVENT (1/2" OF RAIN OR MORE). PERFORM ANY NEEDED MAINTENANCE AND STABILIZATION AS NEEDED.
- DISTURBANCES OF AREAS SHALL BE MINIMIZED. NO DISTURBED AREA SHALL BE LEFT UNSTABILIZED FOR LONGER THAN TWO WEEKS DURING THE GROWING SEASON. AREAS WHICH WILL NOT BE PERMANENTLY SEEDING WITHIN TWO WEEKS OF DISTURBANCE SHALL BE TEMPORARILY SEEDING AND MULCHED. ALL AREAS SHALL BE STABILIZED WITH SEED MULCH AND TACKIFIER WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE AND PRIOR TO THE END OF THE GROWING SEASON.
- PERFORM SITE DEMOLITION TO LIMITS SHOWN ON DEMOLITION PLAN.
- INSTALL THE STORMWATER GALLERY AND DRAINAGE STRUCTURES IN ACCORDANCE WITH THE PLANS AND DETAILS.
- CONDUCT ALL UNDERGROUND UTILITY STRUCTURE AND PIPING INSTALLATION, BACKFILL, AND COMPACTING.
- PLACE AND COMPACT NEW GRAVEL COURSES IN THE PARKING AND ACCESS DRIVE AREAS.
- PLACE GRADE, AND STABILIZE DISTURBED AREAS WITH TEMPORARY SEEDING AND MULCHING.
- ALL DISTURBED SOILS SHALL BE STABILIZED, LOADED, SEEDING, AND MULCHED.
- COMPLETE PERMANENT SEEDING AND LANDSCAPING IN ACCORDANCE WITH THE LANDSCAPE DESIGN AND DETAILS.
- SWEEP COMPLETED PAVEMENT AND CLEAN OUT CATCH BASINS AND DRAINAGE PIPES DURING CONSTRUCTION CLOSE-OUT PROCEDURES. PROPERLY DISPOSE OF COLLECTED SEDIMENT AND DEBRIS.
- REMOVE TEMPORARY EROSION CONTROL MEASURES AND PROPERLY DISPOSE OF FOLLOWING CONSTRUCTION AND ONCE FULL GROUND COVER HAS BEEN ESTABLISHED.

**LANDSCAPING NOTES**

- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH SUBCONTRACTORS AS REQUIRED TO ACCOMPLISH PLANTING OPERATIONS.
- LANDSCAPING CONTRACTOR SHALL RECEIVE SITE GRADE TO +/- 0.10 FOOT.
- ALL TREES OF THE SAME SPECIES AND SIZE SHALL HAVE MATCHING HEIGHT AND FORM UNLESS OTHERWISE NOTED ON THE PLANS.
- ALL PLANT MATERIALS AND FINAL LOCATION OF ALL PLANT MATERIALS SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- IF CONFLICTS ARISE BETWEEN SIZE OF AREAS AND PLANS, CONTRACTOR SHALL CONTACT OWNERS REPRESENTATIVE FOR IMMEDIATE RESOLUTION. FAILURE TO MAKE SUCH CONTACTS KNOWN TO THE OWNER'S REPRESENTATIVE WILL RESULT IN CONTRACTORS LIABILITY TO RELOCATE THE MATERIALS.
- CONTRACTOR SHALL FURNISH PLANT MATERIALS FREE OF PESTS OR PLANT DISEASES. PRE-SELECTED OR "TAGGED" MATERIAL MUST BE INSPECTED BY THE CONTRACTOR AND CERTIFIED AS PEST AND DISEASE FREE. IT IS THE CONTRACTORS OBLIGATION TO WARRANT ALL PLANT MATERIALS.
- ALL GROUND COVERS SHALL BE TRIANGULARLY SPACED UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF ANY EXISTING MATERIALS DAMAGED DURING PLANTING OPERATIONS.
- ALL LANDSCAPE AREAS SHALL BE COVERED WITH 2-INCHES OF ORGANIC BARK MULCH UNLESS OTHERWISE NOTED.
- AREAS SHOWN AS GROUND COVER AT THE BASE OF TREE AND SHRUB MATERIALS MUST CONFORM TO THE FOLLOWING CRITERIA. THERE SHALL BE NO GROUND COVER PLANT MATERIAL AT THE BASE OF THE TREE OR SHRUB AS FOLLOWS: A) 4-FOOT RADIUS AROUND EVERGREEN TREES; B) 3-FOOT RADIUS AROUND DECIDUOUS TREES; AND C) 2-FOOT RADIUS AROUND LARGE SHRUBS.
- FINAL PLACEMENT OF ALL PLANT MATERIALS SHALL BE SUBJECT TO APPROVAL OF OWNERS REPRESENTATIVE PRIOR TO FINAL PLACEMENT AND BACKFILL. CONTACT OWNERS REPRESENTATIVE 24-HOURS PRIOR TO PLACEMENT FOR APPROVAL.
- ALL DISTURBED AREAS, UNLESS OTHERWISE NOTED, TO BE LOAM, SEEDING, AND MULCHED.

**EROSION CONTROL NOTES**

IF EROSION CONTROL MATTING IS USED ON SITE IT SHALL BE WOVEN ORGANIC MATERIAL (E.G. COCO MATTING) THE USE OF WELDED PLASTIC OR BIODEGRADABLE PLASTIC NETTING IN EROSION CONTROL MATTINGS IS NOT PERMITTED.  
CATCH BASINS: CARE SHOULD BE TAKEN TO ENSURE THAT SEDIMENTS DO NOT ENTER CATCH BASINS DURING EXCAVATION FOR PIPE TRENCHES, DITCHES AND SWALES. THE CONTRACTOR SHOULD PLACE NON-WOVEN GEOTEXTILE FABRIC FOR INLET PROTECTION OVER INLETS IN AREAS OF SOIL DISTURBANCE, WHICH ARE SUBJECT TO SEDIMENT CONTAMINATION.  
PLACE INLET PROTECTION DEVICES, IN CATCH BASINS AND MAINTAIN UNTIL ALL CONSTRUCTION ACTIVITIES HAVE CEASED AND THE SURROUNDING AREAS ARE WELL VEGETATED.  
ALL SWALES SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF INTO THEM.  
AS REQUIRED BY THE CITY OF CONCORD, DISTURBED AREAS REMAINING IDLE FOR MORE THAN 21 DAYS SHALL BE STABILIZED, INCLUDING SOIL STOCKPILES. ALL DISTURBED LANDS SHALL BE RECOVERED WITH LOAM AND WITH A MINIMUM DEPTH OF 6" AND A SITE SHALL BE DEEMED STABILIZED WHEN IT IS IN A CONDITION WHICH THE SOILS ON THE SITE WILL NOT ERODE UNDER THE CONDITIONS OF A 10-YEAR STORM, PURSUANT TO CSPR 27.09(2, 4, AND 5).

**SCHEDULE OF WORK**  
THIS WORK IS ANTICIPATED TO BE PERFORMED IN SPRING 2026. CONSTRUCTION IS ANTICIPATED TO BE COMPLETED BY SUMMER 2026.  
**ADEQUATE MEASURES SHOULD BE TAKEN TO MINIMIZE AIR BORNE DUST PARTICLES ARISING FROM SOIL DISTURBANCE AND CONSTRUCTION.**  
• DISTURBANCE OF AREAS SHOULD BE MINIMIZED AND NOT EXCEED 100,000 SQUARE FEET IN AREA AT ANY ONE TIME.  
• NO DISTURBED AREA SHOULD BE LEFT UNSTABILIZED FOR LONGER THAN TWO WEEKS DURING THE GROWING SEASON.  
• PERMANENT EROSION CONTROL FEATURES SHOULD BE INCORPORATED INTO THE PROJECT AT THE EARLIEST PRACTICABLE TIME, AS SPECIFIED ON THE CONTRACT PLANS.  
• WITHIN 14 DAYS OF COMPLETING WORK IN AN AREA, AND PRIOR TO ANTICIPATED RAIN EVENTS, APPLY HAY/STRAW MULCH AND TACKIFIER ON ALL DISTURBED SOIL AREAS. APPLICATION RATES OF 2 TONS OF STRAW OR HAY PER ACRE SHOULD BE USED TO PREVENT EROSION UNTIL VEGETATIVE COVER CAN BE ESTABLISHED. ALTERNATIVELY, APPLY WOOD CHIPS OR GROUND BARK MULCH 2 TO 6 INCHES DEEP AT A RATE OF 10 TO 20 TONS PER ACRE.  
• WHEN EROSION IS LIKELY TO BE A PROBLEM, GRUBBING OPERATION SHOULD BE SCHEDULED AND PERFORMED SUCH THAT GRADING OPERATION AND PERMANENT EROSION CONTROL FEATURES CAN FOLLOW IMMEDIATELY THEREAFTER.  
• AS WORK PROGRESSES, PATCH SEEDING AND MULCHING SHOULD BE DONE AS REQUIRED ON AREAS PREVIOUSLY TREATED TO MAINTAIN OR ESTABLISH PROTECTIVE COVER.  
• REMOVE ACCUMULATED SEDIMENTS AND DEBRIS WHEN SEDIMENT CONTAINMENT DEVICES REACH 33% CAPACITY.

**EROSION CONTROL IMPLEMENTATION SCHEDULE**

THE FOLLOWING GENERAL SCHEDULE IDENTIFIES THE PROPOSED SOIL EROSION AND SEDIMENT CONTROL AND STORM WATER MANAGEMENT MEASURES THAT ARE TO BE IMPLEMENTED PRIOR TO AND DURING CONSTRUCTION:  
• PERFORM LIMITED GRUBBING, STRIPPING AND SITE GRADING ONLY AS NEEDED TO COMPLETE IMMEDIATE WORK GOALS.  
• BLOCK STORM WATER FLOW AS NECESSARY TO INSTALL ALL STORM WATER STRUCTURES IN THE DRY.  
• INSTALL PERMANENT STORM DRAIN SYSTEM.  
• INSTALL TEMPORARY SOIL STABILIZATION MEASURE INCLUDING SEED, MULCH, FERTILIZER, MATTING, ETC.  
• REDIRECT FLOWS INTO FINISHED STRUCTURES PRIOR TO FILL OPERATIONS.  
• PLACE HUMUS AND CONDUIT PERMANENT SEEDING AND MULCHING OF ALL DISTURBED GROUND.

**TEMPORARY STABILIZATION**

EROSION CONTROL MEASURES SHALL BE IMPLEMENTED, AS WRITTEN HEREIN AND AS DEPicted ON THE ACCOMPANYING PLAN, FROM THE COMMENCEMENT OF CONSTRUCTION ACTIVITY UNTIL FINAL STABILIZATION IS COMPLETE.  
**TEMPORARY GRADING:** TEMPORARY GRADING DURING CONSTRUCTION SHOULD BE PERFORMED IN SUCH A MANNER TO FACILITATE MAXIMUM INFILTRATION OF STORMWATER AND MINIMIZE OR ELIMINATE STORMWATER RUNOFF FROM THE SITE.

**MULCH:** MULCHING WITH LOOSE HAY OR STRAW, AT A RATE OF 2 TONS PER ACRE, SHALL BE DONE IMMEDIATELY AFTER EACH AREA HAS BEEN FINAL GRADED. WHEN SEED FOR EROSION CONTROL IS BOWN PRIOR TO PLACING THE MULCH, THE MULCH SHOULD BE PLACED ON THE SEEDING AREAS WITHIN 48 HOURS AFTER SEEDING.  
**TACKIFIER:** PLACEMENT OF SOIL TACKIFIER HAS PROVEN TO BE AN EFFECTIVE METHOD OF PREVENTING SOIL AND ADHERING MULCH IN PLACE. THE PLACEMENT OF A SOIL TACKIFIER SHOULD BE PERFORMED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS AND SHOULD BE REAPPLIED AS NECESSARY TO CONTROL AIR BORNE DUST AND SOIL, AND MULCH LOSS UNTIL PERMANENT VEGETATION IS ESTABLISHED.

**ROAD CLEANING:** THE CONTRACTOR SHALL SWEEP ROADS DAILY, OR AS NEEDED TO MAINTAIN CLEAN PAVED SURFACES AT ALL CONSTRUCTION ACCESS/EGRESS POINTS.  
**DUST CONTROL:** THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES AS NEEDED TO PREVENT AIRBORNE DUST PARTICLES FROM LEAVING THE SITE. DUST CONTROL MEASURES SHALL CONSIST OF USE OF A WATER TRUCK EQUIPPED WITH A SPRAY-BAR THAT DISSIPATES THE WATER EVENLY OVER THE SURFACE.

**PERMANENT STABILIZATION:** GRASS, TREES, SHRUBS AND MULCHED PLANTING BEDS WILL BE CONSTRUCTED AND MAINTAINED IN LOCATIONS AS SHOWN ON THE DRAWINGS TO STABILIZE AREAS NOT WITHIN THE PARKING LOT/BUILDING FOOTPRINT. THE CONTRACTOR WILL BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL FOR ONE YEAR AFTER COMPLETION.  
AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:  
1. BASE COARSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;  
2. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;  
3. A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP RAP HAS BEEN INSTALLED;  
4. EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.

ALL ROADWAYS/PARKING AREAS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.  
**EXCAVATION DEWATERING:** SHOULD EXCAVATION DEWATERING BE REQUIRED, THE CONTRACTOR MUST INSURE THAT ANY EXCAVATION DEWATERING DISCHARGES ARE NOT CONTAMINATED. NOTE: THE WATER IS CONSIDERED UNCONTAMINATED IF THERE IS NO GROUNDWATER CONTAMINATION WITHIN 1,000 FEET OF THE DISCHARGE.

THE CONTRACTOR MUST TREAT ANY UNCONTAMINATED EXCAVATION DEWATERING AS NECESSARY TO REMOVE SUSPENDED SOLIDS AND TURBIDITY DURING CONSTRUCTION. THE DISCHARGES MUST BE SAMPLED AT A LOCATION PRIOR TO MIXING WITH STORM WATER OR STREAM FLOW AT LEAST ONCE PER WEEK DURING WEEKS WHEN DISCHARGES OCCUR. THE SAMPLES MUST BE ANALYZED FOR TOTAL SUSPENDED SOLIDS (TSS) AND MUST MEET MONTHLY AVERAGE AND MAXIMUM DAILY TSS LIMITATIONS OF 50 MILLIGRAMS PER LITER (MGL), RESPECTIVELY.  
**STORMWATER POLLUTION PREVENTION PLAN:** THE PROJECT IS SUBJECT TO THE REQUIREMENTS OF THE USEPA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) CONSTRUCTION PERMIT, WHICH INCLUDES A WRITTEN STORM WATER POLLUTION PREVENTION (SWPPP) PLAN FOR CONSTRUCTION. THE SWPPP PLAN SHALL OUTLINE DETAILED SPECIFICATIONS FOR IMPLEMENTATION, INSPECTION, AND MAINTENANCE OF ALL EROSION CONTROL MEASURES. THE CONTRACTOR HAS SOLE RESPONSIBILITY FOR COMPLIANCE WITH THE EROSION AND SEDIMENT CONTROL PLAN. SHALL BE RESPONSIBLE FOR AMENDING THE SWPPP ACCORDINGLY AND SHALL BE RESPONSIBLE FOR ANY PENALTIES RESULTING FROM LACK OF COMPLIANCE.

**SPECIFICATIONS FOR TEMPORARY AND PERMANENT SEEDING:** GRASS SEED MIXES SHALL CONSIST OF THE MIXTURES AS DETAILED IN THE FOLLOWING TABLES, WITH 98% PURITY:

**EROSION CONTROL SEED**

SEED	BY % MASS	% GERMINATION (MIN)
WINTER RYE 80 (MIN)	80 (MIN)	85
RED FESCUE (CREEPING)	4 (MIN)	80
PERENNIAL GRASS	3 (MIN)	90
RED CLOVER	3 (MIN)	90
OTHER CROP GRASS	0.5 (MAX)	
NOXIOUS WEED SEED	0.5 (MAX)	
INERT MATTER	1.0 (MAX)	

**PERMANENT SEED MIX**

SEED	BY % MASS	% GERMINATION (MIN)
RED FESCUE (CREEPING)	50	85
KENTUCKY BLUE	25	85
PERENNIAL RYE GRASS	10	90
RED TOP	10	85
LAINDINO CLOVER	5	85

ENGINEERING ENCOURAGES, BUT DOES NOT REQUIRE, THE FOLLOWING WILDLIFE-FRIENDLY EROSION CONTROL PRACTICES:  
a. USE TEMPORARY EROSION AND SEDIMENT CONTROL PRODUCTS THAT EITHER DO NOT CONTAIN NETTING, OR THAT CONTAIN NETTING MANUFACTURED FROM 100% BIODEGRADABLE NON-PLASTIC MATERIALS SUCH AS JUTE, SISAL, OR CORN FIBER. DEGRADABLE, PHOTODEGRADABLE, UV-DEGRADABLE, OXO-DEGRADABLE, OR OXO-BIODEGRADABLE PLASTIC NETTING INCLUDING POLYPROPYLENE, NYLON, POLYETHYLENE, AND POLYESTER, ARE NOT EQUIVALENT ALTERNATIVES. NETTING USED IN THESE PRODUCTS SHOULD HAVE A LOOSE-WEAVE WILDLIFE-SAFE DESIGN WITH MOVABLE JOINTS BETWEEN THE HORIZONTAL AND VERTICAL TWINES, ALLOWING THE TWINES TO MOVE INDEPENDENTLY AND THUS REDUCING THE POTENTIAL FOR WILDLIFE ENTANGLEMENT.  
b. AVOID THE USE OF SILT FENCES REINFORCED WITH METAL OR PLASTIC MESH OR IF POSSIBLE RECOMMEND THE USE OF EROSION CONTROL BERMS.  
c. WHEN NO LONGER REQUIRED, TEMPORARY EROSION AND SEDIMENT CONTROL PRODUCTS SHOULD BE REMOVED PROMPTLY FROM THE PROJECT SITE.  
d. USE NONWOVEN COIR FABRIC WHEN A SURFACE FABRIC TREATMENT IS REQUIRED FOR EROSION CONTROL AND STABILIZATION, SUCH AS 100% BIODEGRADABLE COCONUT FIBER MAT OR EQUAL AS REVIEWED AND APPROVED BY THE PROJECT DESIGN ENGINEER.  
e. USE WOVEN COIR FABRIC WHEN SITE CONDITIONS WARRANT. THE OUTER LAYER OF WOVEN COIR FABRIC SHOULD BE A HIGH STRENGTH, CONTINUOUSLY WOVEN MAT (I.E., WITHOUT SEAMS) AND MADE OF 100% COCONUT FIBER.

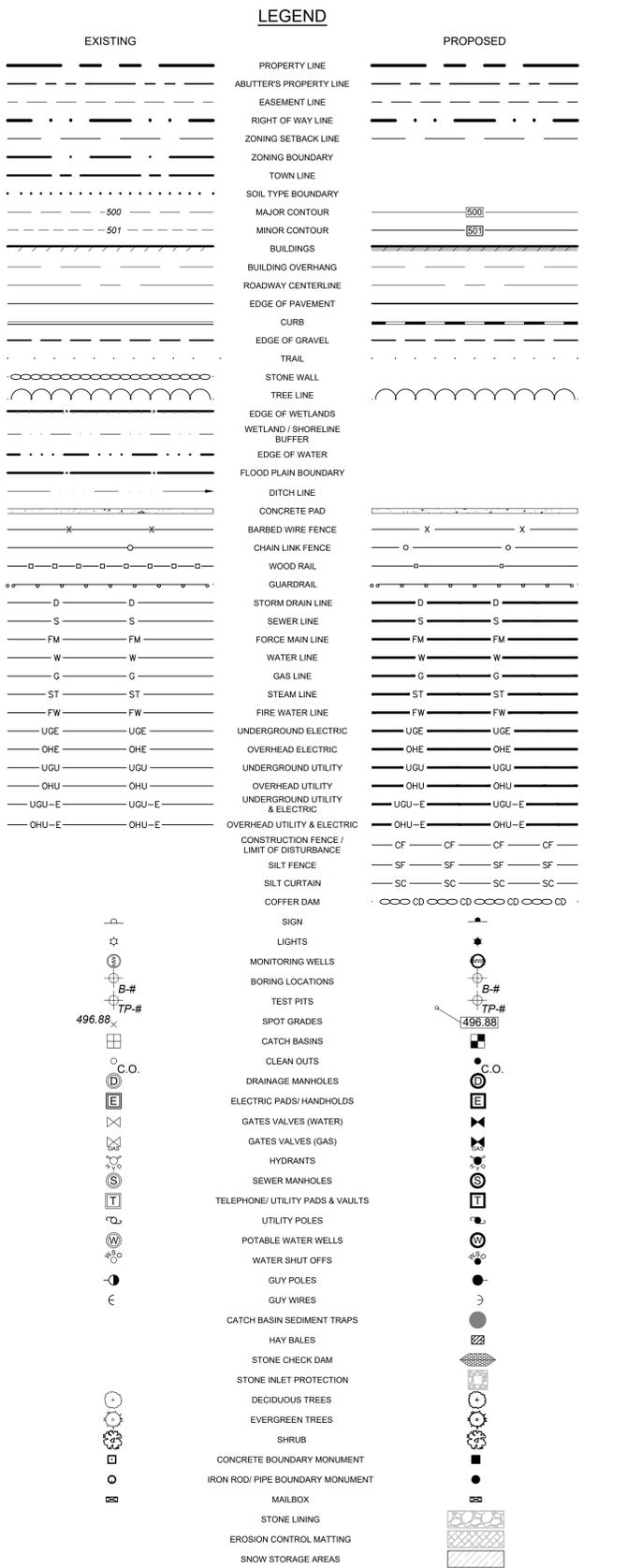
**CITY OF CONCORD EROSION CONTROL RECOMMENDATIONS:**

THE CONTRACTOR SHALL REVIEW AND APPROVE ALL EXCAVATION PERMITS FROM THE ENGINEERING SERVICES DIVISION FOR WORK WITHIN THE ROW.  
A TEMPORARY TRAFFIC CONTROL PLAN (TTCP) SHALL BE REQUIRED FOR ALL WORK IN AND ADJACENT TO THE CITY ROW THAT WILL REQUIRE LANE CLOSURES. THE TTCP SHALL BE SUBMITTED TO THE ESD FOR REVIEW AND APPROVAL A MINIMUM OF TWO WEEKS PRIOR TO THE CONSTRUCTION ACTIVITIES THAT REQUIRE THE LANE CLOSURE(S).  
**2 MATERIAL SPECIFICATIONS:**  
2.1 MATERIALS NOT SPECIFIED HEREIN SHALL MEET OR EXCEED NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION (NHDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION.  
2.2 GENERAL FILL SHALL BE A COMPACTABLE SAND OR GRAVEL REASONABLY FREE FROM LOAM, SILT, CLAY AND ORGANIC MATERIALS AND SHALL HAVE 0-20 PERCENT PASSING THE NO. 100 SIEVE AND 40-100 PERCENT PASSING THE NO. 4 SIEVE.  
2.3 BANK RUN GRAVEL SHALL BE FREE FROM LOAM, SILT, CLAY AND ORGANIC MATERIALS AND SHALL HAVE 100 PERCENT PASSING A 3 INCH SIEVE, 20-75 PERCENT PASSING A NO. 4 SIEVE, 0-12 PERCENT PASSING A NO. 100 SIEVE AND 0-6 PERCENT PASSING A NO. 200 SIEVE.  
2.4 CRUSHED BANK RUN GRAVEL SHALL BE FREE FROM LOAM, SILT, CLAY AND ORGANIC MATERIALS AND SHALL HAVE 100 PERCENT PASSING A 2 INCH SIEVE, 90-100 PERCENT PASSING A 1 1/2 INCH SIEVE 30-60 PERCENT PASSING A NO. 4 SIEVE, 0-12 PERCENT PASSING A NO. 100 SIEVE AND 0-6 PERCENT PASSING A NO. 200 SIEVE.

**GENERAL NOTES**

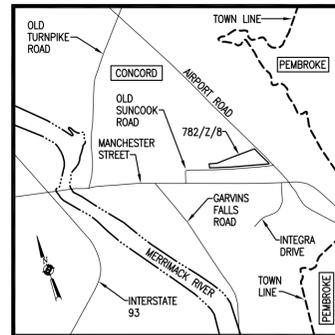
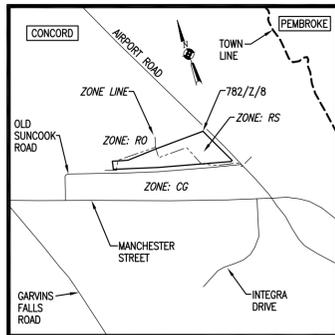
- 1 GENERAL:**  
1.1 THESE DRAWINGS SHOULD BE REVIEWED IN CONJUNCTION WITH THE ACCOMPANYING DESIGN REPORT ENTITLED "STORMWATER MANAGEMENT PLAN FOR BANKS CHEVROLET DATED 11/19/2025 PREPARED BY WILCOX & BARTON, INC."  
1.2 EXISTING CONDITIONS, TOPOGRAPHICAL INFORMATION, NORTH ORIENTATION, NORTH ARROW, AND COORDINATE VALUES DEPICTED ON THESE DRAWINGS ARE BASED ON A PLAN TITLED "EXISTING CONDITIONS PLAN BANKS CHEVROLET-CADILLAC", DATED 10/16/2025, BY HOLDEN ENGINEERING & SURVEYING, INC.  
1.3 THESE DRAWINGS AND ACCOMPANYING TEXT HAVE BEEN PREPARED FOR BANKS CHEVROLET FOR REVIEW BY THE CITY OF CONCORD PLANNING BOARD, CODE ENFORCEMENT, GENERAL SERVICES, POLICE, AND FIRE DEPARTMENTS.  
1.4 THE CONTRACTOR SHALL OBTAIN COVERAGE UNDER EPA NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES FOR CONSTRUCTION ACTIVITIES PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND IMPLEMENTING AN ENVIRONMENTAL PROTECTION AGENCY (EPA) STORM WATER POLLUTION PREVENTION PLAN PRIOR TO THE START OF CONSTRUCTION AND DURING CONSTRUCTION ON-SITE IN ACCORDANCE WITH THE EPA REGULATIONS UNDER THE CLEAN WATER ACT.  
1.5 THE PURPOSE OF THESE DRAWINGS IS TO SHOW A RECONSTRUCTED 53,540 SQUARE FOOT PAVED PARKING LOT, WITH ASSOCIATED DRIVES AND UTILITIES FOR OFF-SITE PARKING FOR ABUTTING PARCEL MBLU 782/Z/31.  
1.6 REFER TO CONSTRUCTION DETAIL SHEETS FOR ALL APPLICABLE SITE DETAILS.  
1.7 CONTRACTOR WILL NOTIFY ENGINEERS IMMEDIATELY IF SITE CONDITIONS DIFFER FROM WHAT IS SHOWN ON PLAN.  
1.8 CONFIRMATORY TEST PITS AND ON-SITE INFILTRATION TESTING TO BE PERFORMED AT THE START OF CONSTRUCTION. TEST PIT LOGS AND INFILTRATION TESTING RESULTS WILL BE DISTRIBUTED TO ENGINEERING SERVICES AND NHDES AOT.  
1.9 ALL WORK PERFORMED ON BEHALF OF THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF CONCORD'S CONSTRUCTION STANDARDS AND DETAILS, LATEST EDITION.  
1.10 PROJECT DATUM: NH STATE PLANE COORDINATES NAD 83 (HORIZONTAL) NAVD 88 (VERTICAL)  
1.11 ALL WORK SHALL BE PERFORMED IN A FIRST CLASS MANNER AND IN ACCORDANCE WITH STATE CODE (IBC 2015 WITH LATEST SUPPLEMENTS), AND LOCAL CODES AND ORDINANCES.  
1.12 ALL EXISTING UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL CONTACT DIG-SAFE (1-888-DIG-SAFE) AT LEAST 72 HOURS AND LESS THAN 30 DAYS PRIOR TO STARTING CONSTRUCTION AND SHALL VERIFY ALL UTILITY LOCATIONS IN THE FIELD.  
1.13 CONTRACTOR IS RESPONSIBLE FOR ADEQUATE BRACING OF WALLS AND/OR SHORING OF EXCAVATIONS DURING CONSTRUCTION.  
1.14 THE CONTRACTOR SHALL REVIEW AND STAMP ALL SHOP DRAWINGS AND SUBMITTALS BEFORE SUBMISSION TO THE ENGINEER. THIS, PROVIDING ANY INFORMATION REQUIRED OF THE FABRICATOR SUCH AS FIELD DIMENSIONS, ELEVATIONS, ETC. OTHERWISE THE SHOP DRAWINGS OR SUBMITTALS WILL BE REJECTED UNTIL SUCH INFORMATION IS FURNISHED BY THE CONTRACTOR.  
1.15 GENERAL BACKFILL SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT, ASTM D1557.  
1.16 UPON COMPLETION OF CONSTRUCTION THE CONTRACTOR SHALL SUBMIT AS-BUILT DRAWINGS TO THE ENGINEERING SERVICES DIVISION.  
1.17 THE CONTRACTOR SHALL SET UP A PRE-CONSTRUCTION MEETING WITH THE ENGINEERING SERVICES DIVISION TO DISCUSS CONSTRUCTION REQUIREMENTS, SITE INSPECTIONS, ASSOCIATED FEES, SCHEDULES, ETC.  
1.18 THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM THE ENGINEERING SERVICES DIVISION FOR WORK WITHIN THE ROW.  
1.19 A TEMPORARY TRAFFIC CONTROL PLAN (TTCP) SHALL BE REQUIRED FOR ALL WORK IN AND ADJACENT TO THE CITY ROW THAT WILL REQUIRE LANE CLOSURES. THE TTCP SHALL BE SUBMITTED TO THE ESD FOR REVIEW AND APPROVAL A MINIMUM OF TWO WEEKS PRIOR TO THE CONSTRUCTION ACTIVITIES THAT REQUIRE THE LANE CLOSURE(S).

**2 MATERIAL SPECIFICATIONS:**  
2.1 MATERIALS NOT SPECIFIED HEREIN SHALL MEET OR EXCEED NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION (NHDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION.  
2.2 GENERAL FILL SHALL BE A COMPACTABLE SAND OR GRAVEL REASONABLY FREE FROM LOAM, SILT, CLAY AND ORGANIC MATERIALS AND SHALL HAVE 0-20 PERCENT PASSING THE NO. 100 SIEVE AND 40-100 PERCENT PASSING THE NO. 4 SIEVE.  
2.3 BANK RUN GRAVEL SHALL BE FREE FROM LOAM, SILT, CLAY AND ORGANIC MATERIALS AND SHALL HAVE 100 PERCENT PASSING A 3 INCH SIEVE, 20-75 PERCENT PASSING A NO. 4 SIEVE, 0-12 PERCENT PASSING A NO. 100 SIEVE AND 0-6 PERCENT PASSING A NO. 200 SIEVE.  
2.4 CRUSHED BANK RUN GRAVEL SHALL BE FREE FROM LOAM, SILT, CLAY AND ORGANIC MATERIALS AND SHALL HAVE 100 PERCENT PASSING A 2 INCH SIEVE, 90-100 PERCENT PASSING A 1 1/2 INCH SIEVE 30-60 PERCENT PASSING A NO. 4 SIEVE, 0-12 PERCENT PASSING A NO. 100 SIEVE AND 0-6 PERCENT PASSING A NO. 200 SIEVE.



**STANDARD ABBREVIATIONS**

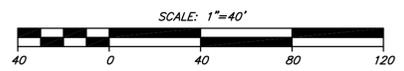
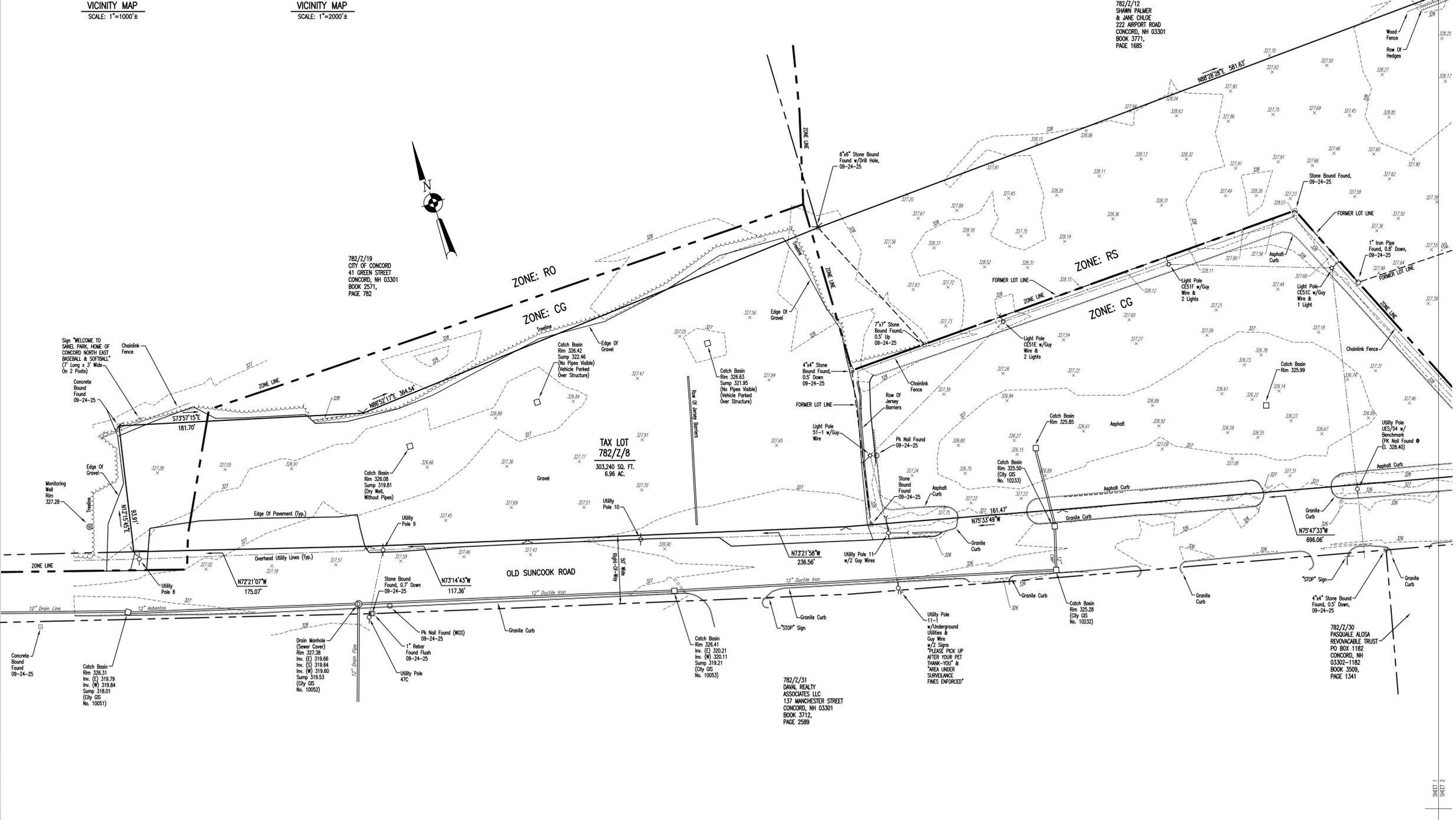
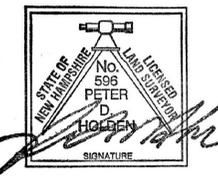
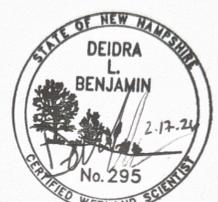
- BCC - BITUMINOUS CONCRETE CURB
- VGC - VERTICAL GRANITE CURB
- SGC - SLOPED GRANITE CURB
- CCC - CAST-IN-PLACE CONCRETE CURB
- PCC - PRECAST CONCRETE CURB
- ICC - INTEGRAL CONCRETE CURB
- RCC - REINFORCED CONCRETE CURB
- BCP - BITUMINOUS CONCRETE PAVEMENT
- GRS - GRAVEL DRIVE SURFACE
- PCS - PORTLAND CEMENT CONCRETE SIDEWALK
- BCCS - BITUMINOUS CONCRETE SIDEWALK
- CB - CATCH BASIN
- DMH - DRAINAGE MANHOLE
- SMH - SEWER MANHOLE



- PLAN REFERENCES:**
- "OLD SUNCOOK ROAD RIGHT OF WAY ACQUISITION MAP" DATED MAY 1973 BY CITY OF CONCORD, NEW HAMPSHIRE ENGINEERING DIVISION, FILE NO. 1604
  - "LAND TO BE LEASED TO CONCORD LITTLE LEAGUE" DATED MARCH 1974 BY CITY OF CONCORD, NEW HAMPSHIRE ENGINEERING DIVISION, FILE NO. 1682
  - "SMEL REALTY CO., INC., TRACTS 4371-F & 4487-A" DATED APRIL, 1959 BY E.N. ROBERTS, CITY OF CONCORD FILE NO. 1588

- NOTES:**
- REFERENCE THIS PARCEL AS CITY OF CONCORD TAX LOT 782/19 OWNED BY DAVAL REALTY ASSOCIATES, 137 MANCHESTER STREET, CONCORD, NH 03301.
  - DEED REFERENCE: SEE NOTICE OF LOT CONSOLIDATION, BOOK 3743, PAGE 515, AS RECORDED AT THE MERRIMACK COUNTY REGISTRY OF DEEDS.
  - AREA OF PARCEL: 303,240 SQUARE FEET, OR 6.96 ACRES.
  - THIS SURVEY WAS AN ACTUAL ON THE GROUND TOPOGRAPHIC SURVEY PERFORMED BY HOLDEN ENGINEERING & SURVEYING, INC. IN SEPTEMBER, 2025 FOR THE PURPOSE OF DEPICTING EXISTING SITE CONDITIONS ON THE SUBJECT PROPERTY.
  - THE HORIZONTAL SURVEY DATUM IS TIED TO THE NH STATE PLANE COORDINATE SYSTEM AND THE VERTICAL SURVEY DATUM IS TIED TO NAVD 1988 DATUM.
  - DURING DEED RESEARCH ON THE SUBJECT PARCEL TO BE USED FOR BOUNDARY LINE DETERMINATION, NO EASEMENTS OR RESTRICTIONS ON THE PROPERTY WERE FOUND.

- WETLAND CERTIFICATION NOTES:**
- ON JANUARY 14, 2026, DEIDRA BENJAMIN, CWS, COMPLETED A SITE INSPECTION OF THE PROJECT PROPERTY TO COMPLETE A WETLAND DELINEATION. THE SITE WAS REVIEWED FOR WETLANDS UTILIZING THE FOLLOWING STANDARDS LISTED BELOW. NO JURISDICTIONAL WETLANDS WERE FOUND ON THE PROJECT PROPERTY.
- WETLAND DELINEATION STANDARDS:**
- REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION, (VERSION 2.0) JANUARY 2012, U.S. ARMY CORPS OF ENGINEERS.
  - FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, A GUIDE FOR IDENTIFYING AND DELINEATING HYDRIC SOILS, VERSION 8.2, 2018, UNITED STATES DEPARTMENT OF AGRICULTURE.
  - NEW ENGLAND HYDRIC SOILS TECHNICAL COMMITTEE, 2019 VERSION 4, FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND. NEW ENGLAND INTERSTATE WATER POLLUTION CONTROL COMMISSION, LOWELL, MA.
  - U.S. ARMY CORPS OF ENGINEERS, (2023), 2022 NATIONAL WETLAND PLANT LIST, VERSION 3.6, U.S. ARMY ENGINEER RESEARCH AND DEVELOPMENT CENTER, WICKSBURG, MS. <http://wetland-plants.usace.army.mil/>



**HOLDEN ENGINEERING & SURVEYING, inc.**

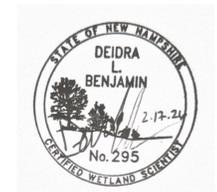
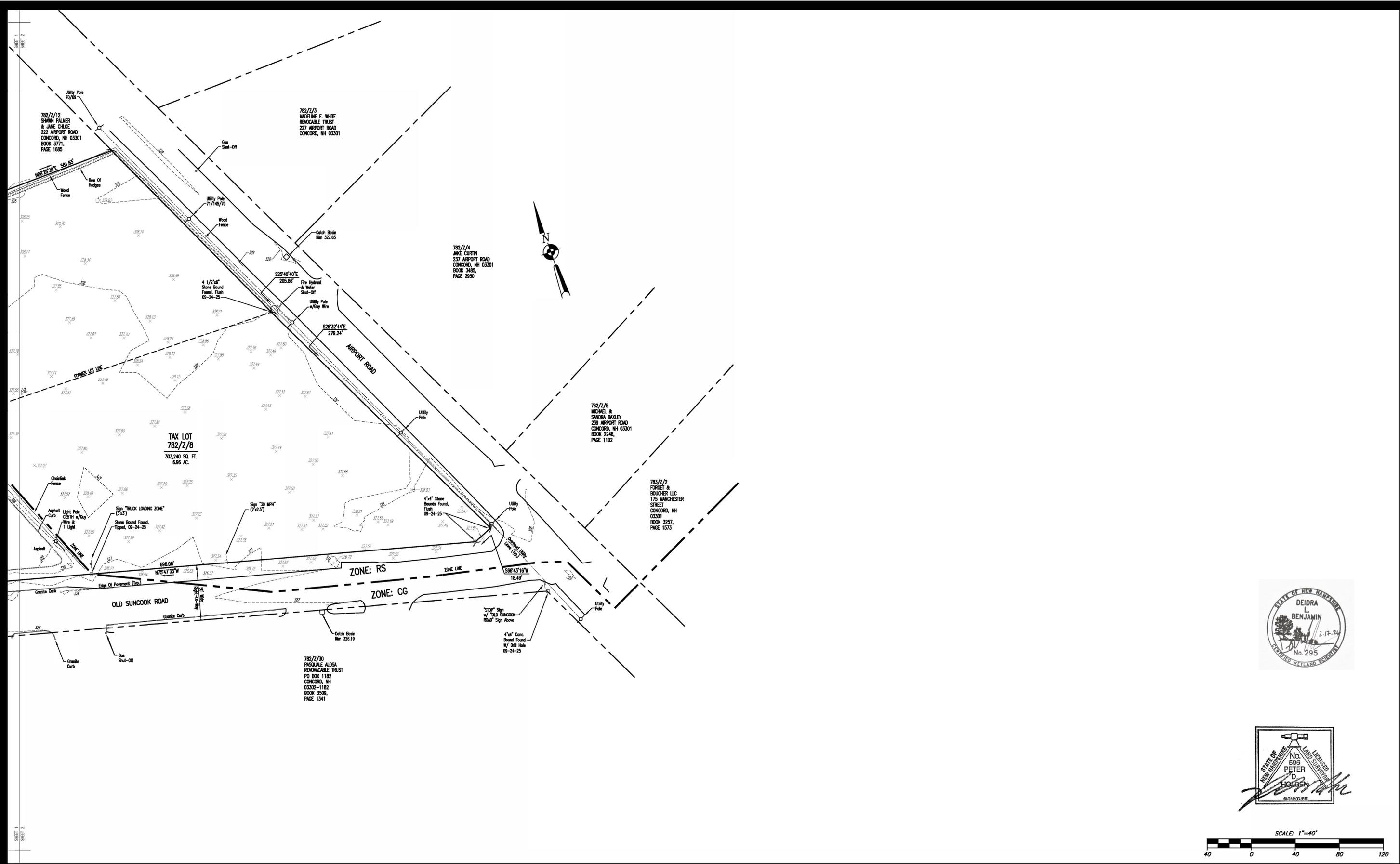
56 Old Suncook Road - Unit #4  
PO Box 480 Concord, NH. 03302  
(603) 225-6449

9 Constitution Drive  
Bedford, NH. 03110  
(603) 472-2078

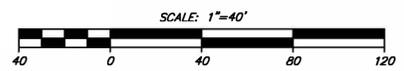
**EXISTING CONDITIONS PLAN**  
**BANKS CHEVROLET - CADILLAC**  
**CONCORD, NH**

Date:	Revisions Description	Dr. By:	Chk. By:	Book	Page	Date:
01-21-26	ADD WETLAND CERTIFICATION NOTES	DS	LR			10-16-25
02-10-26	REVISED PER CLIENT COMMENTS	DS	LR			Scale: 1"=40'
						Dr. By: DS Ck By: LR
						Job No. 2520435
						Sheet no 1 of 2

H:\CONC-2520435\CADD\X-BASE-6.dwg Feb 11, 2026 dsoucy



STATE OF NEW HAMPSHIRE  
 LICENSED LAND SURVEYOR  
 No. 596  
 PETER D. HOLDEN  
 SIGNATURE



**HOLDEN ENGINEERING & SURVEYING, inc.**

58 Old Suncook Road - Unit #4  
 PO Box 480 Concord, NH 03302  
 (603) 225-6449  
 9 Constitution Drive  
 Bedford, NH 03110  
 (603) 472-2078

EXISTING CONDITIONS PLAN  
 BANKS CHEVROLET - CADILLAC  
 CONCORD, NH

Date:	Revisions Description	Dr. By:	Chk. By:	Book	Page	Date:
01-21-26	ADD WETLAND CERTIFICATION NOTES	DS	LR			10-16-25
02-10-26	REVISED FOR CLIENT COMMENTS	DS	LR			Scale: 1"=40'
						Dr. By: DS Ck By: LR
						Job No. 2520435
						Sheet no 2 of 2

REVISION HISTORY  
1. REVISED IN RESPONSE TO NHDES ECOLOGICAL REVIEW SECTION COMMENTS (12/09/2025)  
2. REVISED TO COMPLY WITH RESIDENTIAL SCREENING (12/19/2025)  
3. REVISED IN RESPONSE TO CITY OF CONCORD AND NHDES AOT COMMENTS (02/17/2026)

ISSUED FOR  
**PERMITTING**

ALL DOCUMENTS PREPARED BY WILCOX & BARTON, INC. ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY WILCOX & BARTON, INC. FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNER'S SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO WILCOX & BARTON, INC. OWNER SHALL INDEMNIFY AND HOLD HARMLESS WILCOX & BARTON, INC. FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

OWNER  
**DAVAL REALTY ASSOCIATES LLC / BANKS CHEVROLET**

**137 MANCHESTER ST  
CONCORD, NH 03301**

SITE  
**BANKS CHEVROLET  
PARKING LOT  
RECONSTRUCTION**

**234 AIRPORT ROAD  
CONCORD, NH 03301**

**MBLU: 782/Z/8**

DRAWING TITLE  
**DEMOLITION PLAN**

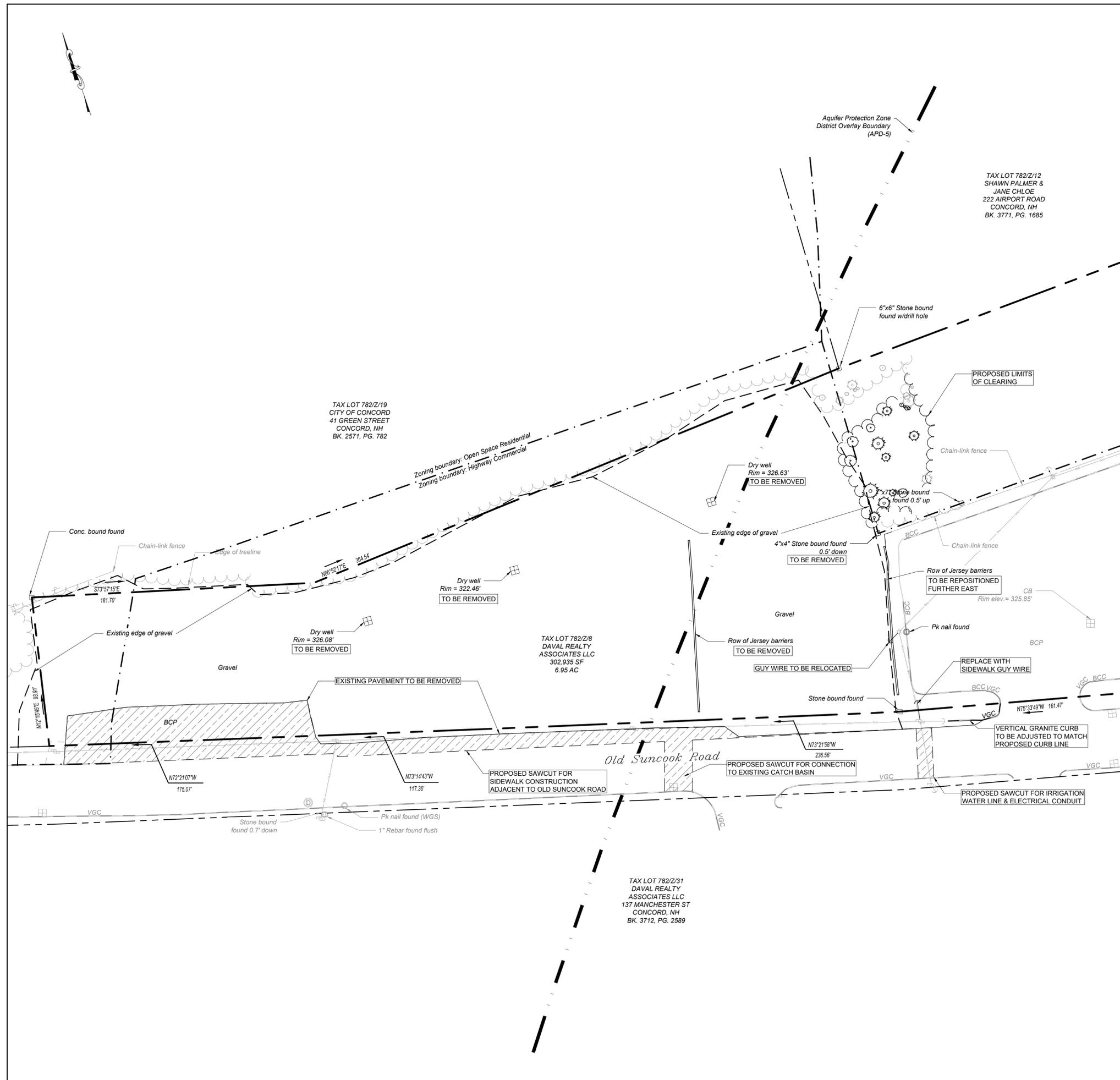
SCALE 1" = 30'	DATE 11/19/2025
DRAFTED BY KAD	CHECKED BY ERL
PROJECT MGR ERL	PROJECT NO. BACC0005

STATE OF NEW HAMPSHIRE  
ERIN R. LAMBERT  
No. 11057  
LICENSED PROFESSIONAL ENGINEER

**C1.1**

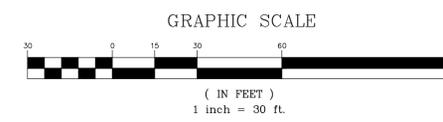
ENGINEER ERIN R. LAMBERT  
NH P.E. #11057

SHEET NO.  
**05 OF 16**



**PLAN NOTES:**

- EXISTING CONDITIONS, TOPOGRAPHICAL INFORMATION, NORTH ORIENTATION, AND COORDINATE VALUES DEPICTED ON THESE DRAWINGS ARE BASED ON PLANS TITLED 'EXISTING CONDITIONS PLAN - BANKS CHEVROLET-CADILLAC - CONCORD, NH' PREPARED FOR BANKS CHEVROLET, DATED OCTOBER 18, 2025, PROVIDED TO WILCOX & BARTON, INC. BY HOLDEN ENGINEERING & SURVEYING, INC.
- SEE SHEET C0.2 LEGEND AND NOTES FOR PROJECT LEGEND AND GENERAL NOTES.
- ALL MATERIALS REMOVED FROM THE SITE ARE TO BE DISPOSED OF AT A LICENSED DISPOSAL FACILITY.





REVISION HISTORY  
1. REVISED IN RESPONSE TO NHDES ECOLOGICAL REVIEW SECTION COMMENTS (12/09/2025)  
2. REVISED TO COMPLY WITH RESIDENTIAL SCREENING (12/18/2025)  
3. REVISED IN RESPONSE TO CITY OF CONCORD AND NHDES AOT COMMENTS (02/17/2026)

ISSUED FOR  
**PERMITTING**

ALL DOCUMENTS PREPARED BY WILCOX & BARTON, INC. ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY WILCOX & BARTON, INC. FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO WILCOX & BARTON, INC. OWNER SHALL INDEMNIFY AND HOLD HARMLESS WILCOX & BARTON, INC. FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

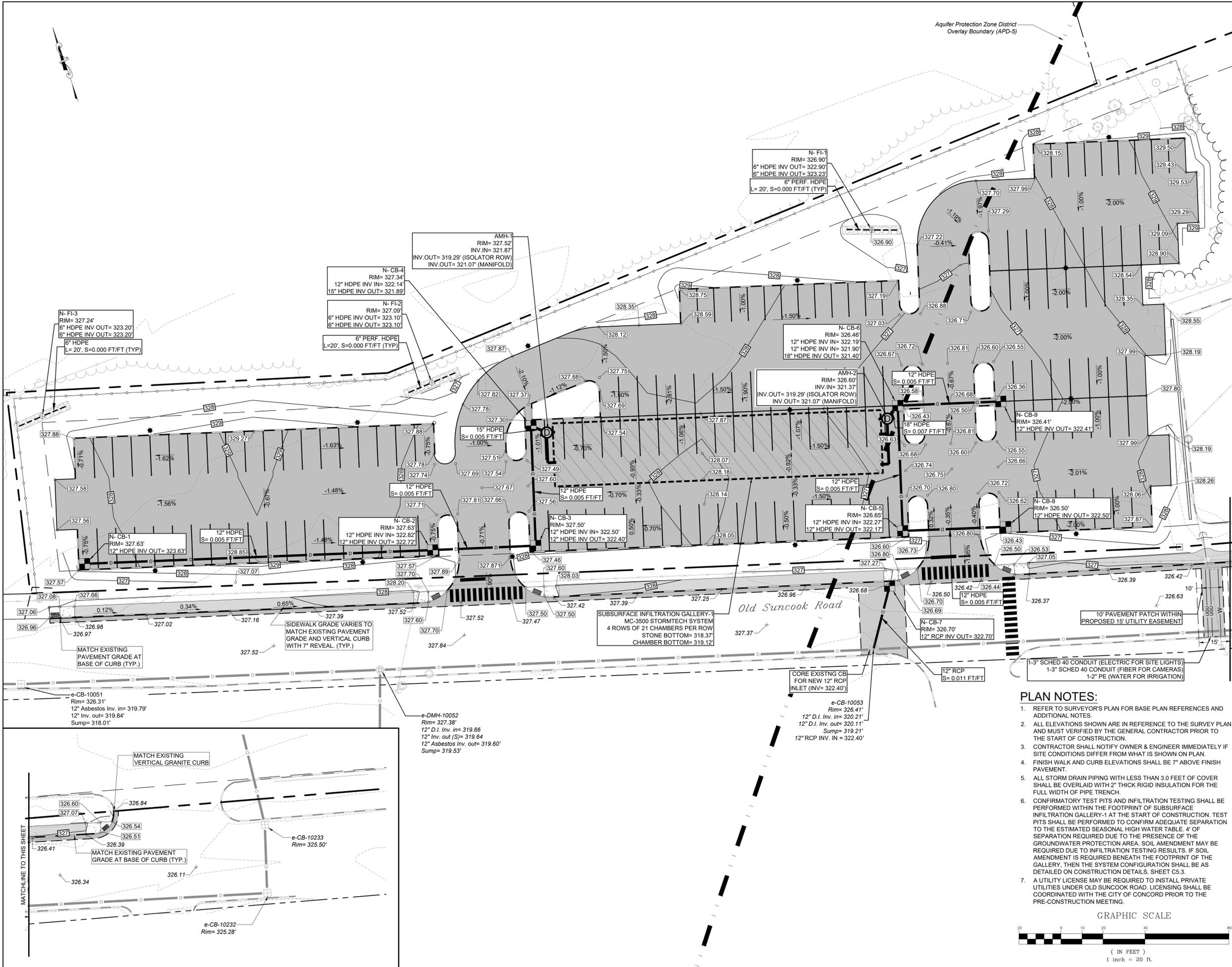
OWNER  
**DAVAL REALTY ASSOCIATES LLC / BANKS CHEVROLET**  
137 MANCHESTER ST  
CONCORD, NH 03301

SITE  
**BANKS CHEVROLET PARKING LOT RECONSTRUCTION**  
234 AIRPORT ROAD  
CONCORD, NH 03301

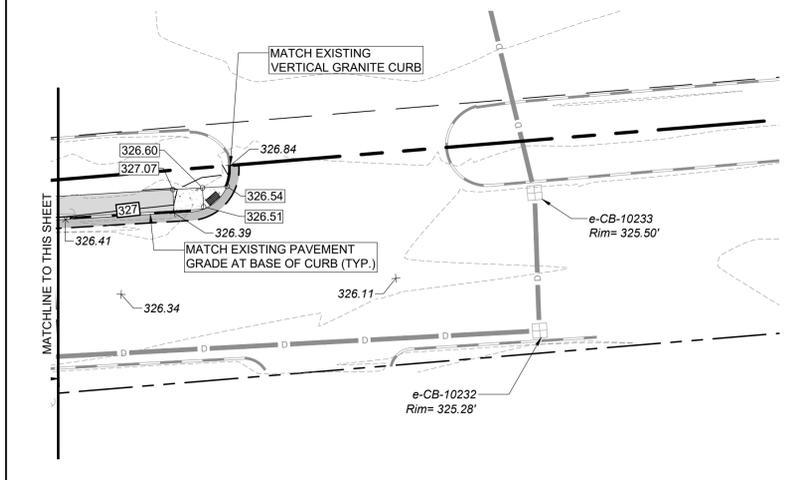
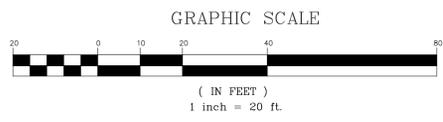
**MBLU: 782/Z/8**  
DRAWING TITLE  
**GRADING, DRAINAGE & UTILITY PLAN**

SCALE	DATE		
1" = 20'	11/19/2025		
DRAFTED BY	CHECKED BY	PROJECT MGR	PROJECT NO.
KAD	ERL	ERL	BACC0005

SHEET NO.  
**C1.3**  
07 OF 16



- PLAN NOTES:**
- REFER TO SURVEYOR'S PLAN FOR BASE PLAN REFERENCES AND ADDITIONAL NOTES.
  - ALL ELEVATIONS SHOWN ARE IN REFERENCE TO THE SURVEY PLAN AND MUST BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
  - CONTRACTOR SHALL NOTIFY OWNER & ENGINEER IMMEDIATELY IF SITE CONDITIONS DIFFER FROM WHAT IS SHOWN ON PLAN.
  - FINISH WALK AND CURB ELEVATIONS SHALL BE 7" ABOVE FINISH PAVEMENT.
  - ALL STORM DRAIN PIPING WITH LESS THAN 3.0 FEET OF COVER SHALL BE OVERLAID WITH 2" THICK RIGID INSULATION FOR THE FULL WIDTH OF PIPE TRENCH.
  - CONFIRMATORY TEST PITS AND INFILTRATION TESTING SHALL BE PERFORMED WITHIN THE FOOTPRINT OF SUBSURFACE INFILTRATION GALLERY-1 AT THE START OF CONSTRUCTION. TEST PITS SHALL BE PERFORMED TO CONFIRM ADEQUATE SEPARATION TO THE ESTIMATED SEASONAL HIGH WATER TABLE. 4' OF SEPARATION REQUIRED DUE TO THE PRESENCE OF THE GROUNDWATER PROTECTION AREA. SOIL AMENDMENT MAY BE REQUIRED DUE TO INFILTRATION TESTING RESULTS. IF SOIL AMENDMENT IS REQUIRED BENEATH THE FOOTPRINT OF THE GALLERY, THEN THE SYSTEM CONFIGURATION SHALL BE AS DETAILED ON CONSTRUCTION DETAILS, SHEET C5.3.
  - A UTILITY LICENSE MAY BE REQUIRED TO INSTALL PRIVATE UTILITIES UNDER OLD SUNCOOK ROAD. LICENSING SHALL BE COORDINATED WITH THE CITY OF CONCORD PRIOR TO THE PRE-CONSTRUCTION MEETING.



REVISION HISTORY  
1. REVISED IN RESPONSE TO NHDES ECOLOGICAL REVIEW SECTION COMMENTS (12/09/2025)  
2. REVISED TO COMPLY WITH RESIDENTIAL SCREENING (12/19/2025)  
3. REVISED IN RESPONSE TO CITY OF CONCORD AND NHDES AOT COMMENTS (02/17/2026)

ISSUED FOR  
**PERMITTING**

ALL DOCUMENTS PREPARED BY WILCOX & BARTON, INC. ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY WILCOX & BARTON, INC. FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNER'S SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO WILCOX & BARTON, INC. OWNER SHALL INDEMNIFY AND HOLD HARMLESS WILCOX & BARTON, INC. FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

OWNER  
**DAVAL REALTY ASSOCIATES LLC / BANKS CHEVROLET**

**137 MANCHESTER ST  
CONCORD, NH 03301**

SITE  
**BANKS CHEVROLET  
PARKING LOT  
RECONSTRUCTION**

**234 AIRPORT ROAD  
CONCORD, NH 03301**

**MBLU: 782/Z/8**

DRAWING TITLE  
**EROSION CONTROL PLAN**

SCALE 1" = 30' DATE 11/19/2025

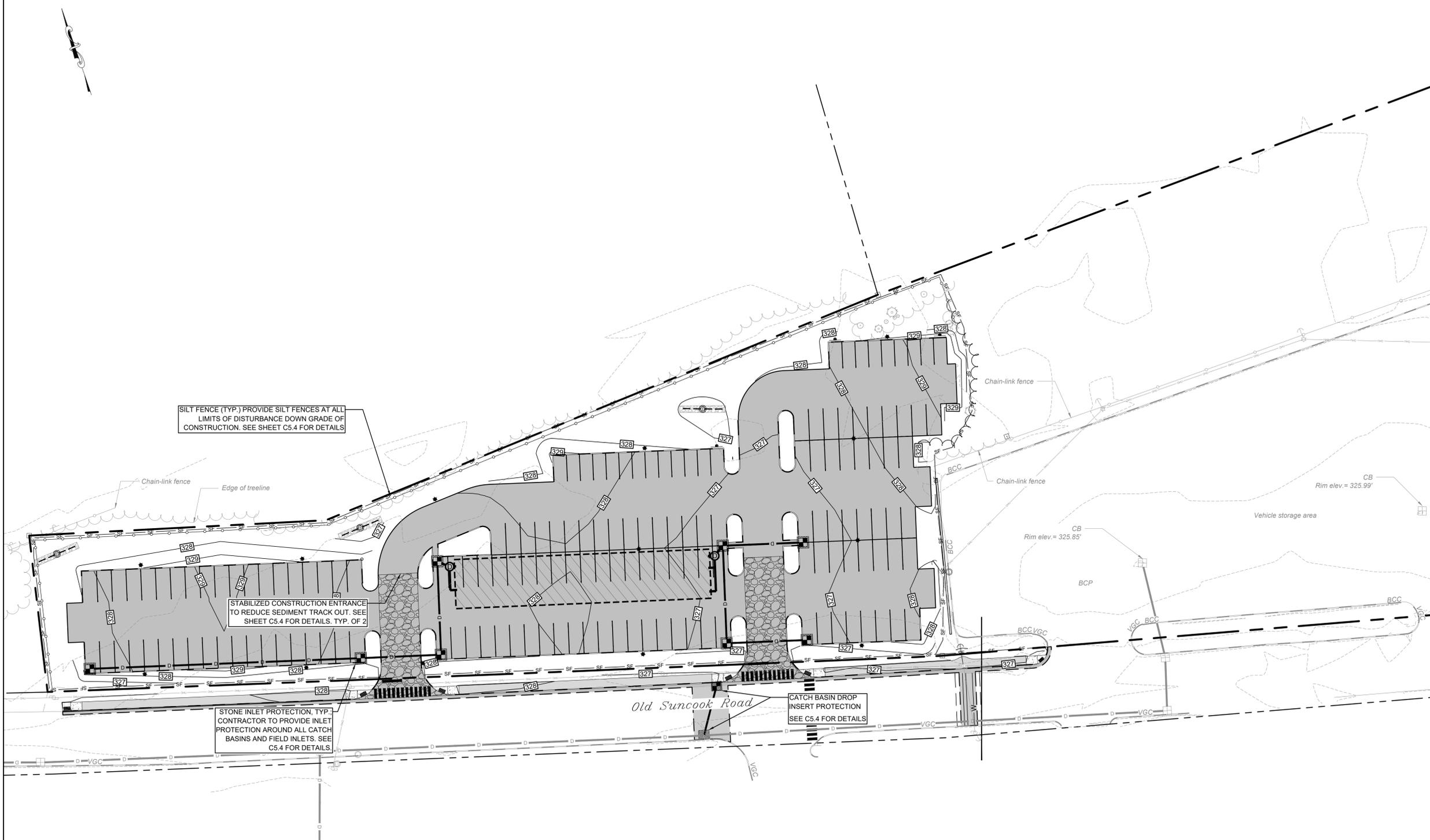
DRAFTED BY KAD CHECKED BY ERL PROJECT MGR ERL PROJECT NO. BACC0005

SHEET NO.

STATE OF NEW HAMPSHIRE  
ERIN R. LAMBERT  
No. 11057  
LICENSED PROFESSIONAL ENGINEER  
*Erin R. Lambert*  
ENGINEER ERIN R. LAMBERT  
NH P.E. #11057

**C1.4**

08 OF 16



SILT FENCE (TYP.) PROVIDE SILT FENCES AT ALL LIMITS OF DISTURBANCE DOWN GRADE OF CONSTRUCTION. SEE SHEET C5.4 FOR DETAILS

STABILIZED CONSTRUCTION ENTRANCE TO REDUCE SEDIMENT TRACK OUT. SEE SHEET C5.4 FOR DETAILS. TYP. OF 2

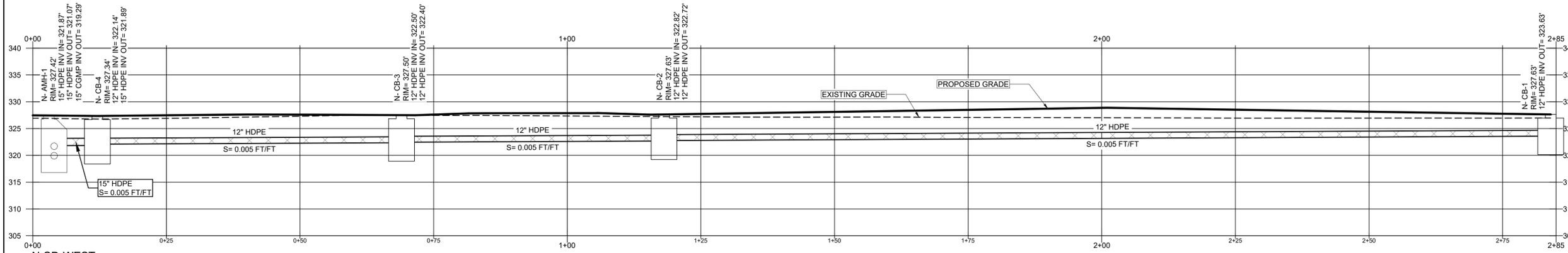
STONE INLET PROTECTION, TYP., CONTRACTOR TO PROVIDE INLET PROTECTION AROUND ALL CATCH BASINS AND FIELD INLETS. SEE C5.4 FOR DETAILS.

CATCH BASIN DROP INSERT PROTECTION SEE C5.4 FOR DETAILS

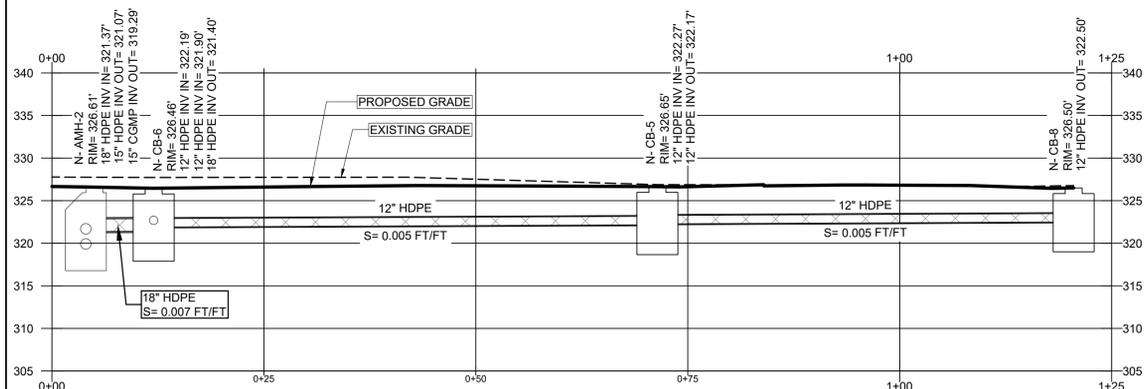
**PLAN NOTES:**  
1. SEE SHEET C0.2 NOTES AND LEGEND FOR ADDITIONAL EROSION CONTROL NOTES.

GRAPHIC SCALE  
( IN FEET )  
1 inch = 30 ft.

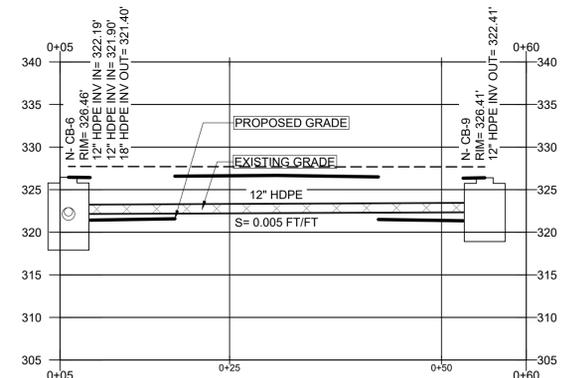
REVISION HISTORY  
1. REVISED IN RESPONSE TO NHDES ECOLOGICAL REVIEW SECTION COMMENTS (12/08/2025)  
2. REVISED TO COMPLY WITH RESIDENTIAL SCREENING (12/18/2025)  
3. REVISED IN RESPONSE TO CITY OF CONCORD AND NHDES AOT COMMENTS (02/17/2026)



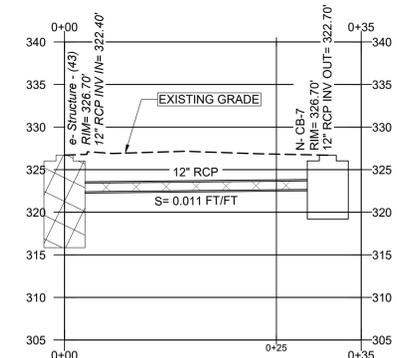
**N-SD-WEST**  
Horiz Scale: 1" = 10'  
Vert Scale: 1" = 10'



**N-SD-EAST**  
Horiz Scale: 1" = 10'  
Vert Scale: 1" = 10'



**N-SD-EAST-2**  
Horiz Scale: 1" = 10'  
Vert Scale: 1" = 10'



**N-SD-SOUTH**  
Horiz Scale: 1" = 10'  
Vert Scale: 1" = 10'

ISSUED FOR  
**PERMITTING**

ALL DOCUMENTS PREPARED BY WILCOX & BARTON, INC. ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY WILCOX & BARTON, INC. FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNER'S SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO WILCOX & BARTON, INC. OWNER SHALL INDEMNIFY AND HOLD HARMLESS WILCOX & BARTON, INC. FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

OWNER  
**DAVAL REALTY ASSOCIATES LLC / BANKS CHEVROLET**  
137 MANCHESTER ST  
CONCORD, NH 03301

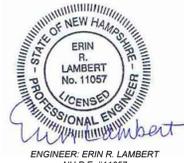
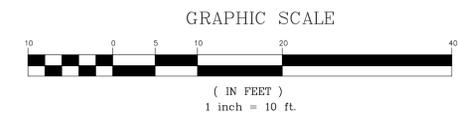
SITE  
**BANKS CHEVROLET PARKING LOT RECONSTRUCTION**  
234 AIRPORT ROAD  
CONCORD, NH 03301

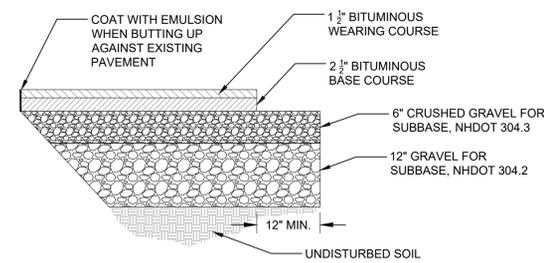
**MBLU: 782/Z/8**

DRAWING TITLE  
**DRAINAGE PROFILES**

SCALE 1" = 10'	DATE 11/19/2025
DRAFTED BY KAD	CHECKED BY ERL
PROJECT MGR ERL	PROJECT NO. BACC0005

SHEET NO.  
**C2.1**  
09 OF 16



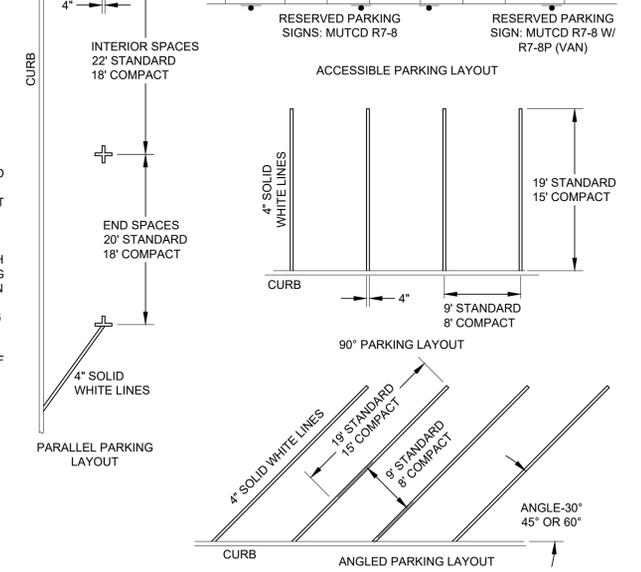
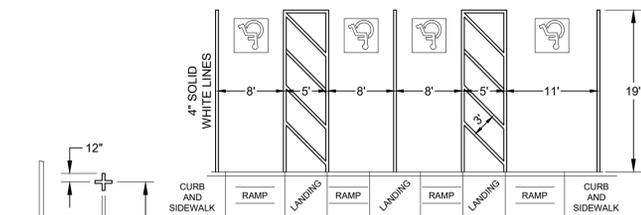


**4" PARKING LOT AND DRIVEWAY PAVEMENT SECTION**  
NOT TO SCALE

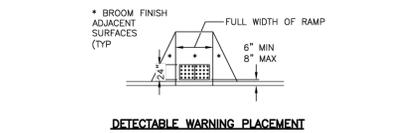
M.U.T.C.D. NUMBER	SPECIFICATION WIDTH	SPECIFICATION HEIGHT	MOUNTING HEIGHT	SIGN
R1-1	30"	30"	7'-0"	STOP
NA	12"	18"	7'-0"	COMPACT CAR PARKING ONLY

NOTE: MOUNTING HEIGHT IS THE CLEARANCE OF THE BOTTOM OF THE SIGN TO THE NEAREST EDGE OF PAVEMENT.

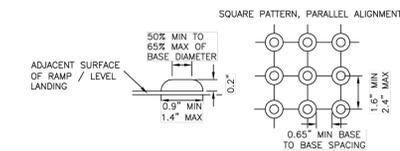
**SIGN SUMMARY**  
NOT TO SCALE



**PARKING SPACE LAYOUT PAVEMENT MARKINGS**  
NOT TO SCALE



**DETECTABLE WARNING PLACEMENT**



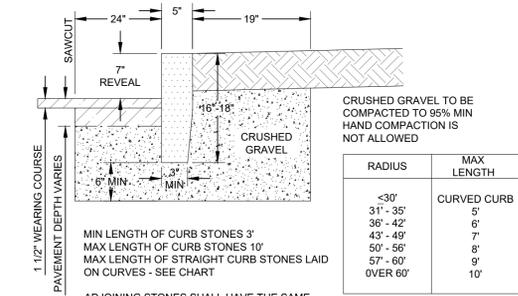
**DETECTABLE WARNING DETAILS**

- NOTES:
- DETECTABLE WARNING SURFACES SHALL BE CAST IRON WITHIN THE CITY R.O.W.
  - CONCRETE ADJACENT TO ALL DETECTABLE WARNINGS SHALL HAVE A BROOM FINISH.
  - THE COLOR OF THE DETECTABLE WARNING SHALL PROVIDE A VISUAL CONTRAST TO THE SURROUNDING SURFACE AND SHALL BE AS SPECIFIED ON THE PLANS.
  - WHERE A RAMP OR LEVEL LANDING MEETS A CURB RADIUS, ALIGN THE EDGE OF THE DETECTABLE WARNING AREA PARALLEL TO THE CURB TO THE MAXIMUM EXTENT FEASIBLE.

NO.	REVISION	DATE	City of Concord Engineering Services Division	SECTION: SITE/STREET
1	REV STYLE	11-09		
-	-	-		
-	-	-		
-	-	-		

**DETECTABLE WARNING PANEL DETAILS**

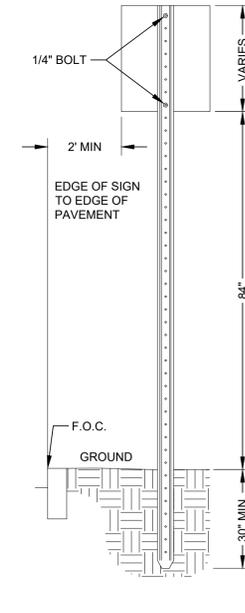
DRAWING NO.	CR-1
DATE:	12/08
PAGE:	1



**FINISH SURFACE AND TOLERANCES FOR VERTICAL GRANITE CURB**

AREA	FINISH SURFACE	TOLERANCE
TOP	5" WIDE OR AS OTHERWISE SHOWN, SAWN TRUE PLANE.	+1/8" TO +1/2"
FRONT FACE	FRONT AND BACK ARRIS LINES PITCHED STRAIGHT AND PARALLEL.	+1/8" TO +1/2"
FRONT FACE	RIGHT ANGLE TO TOP, APPROXIMATELY TRUE PLANE. NO DRILL HOLES SHOWING IN TOP 10"	+1" TO +1/2"
BACK FACE EXPOSED	PLANE PARALLEL WITH FRONT FACE, STRAIGHT SPLIT TO 1 1/2" BELOW EXPOSED SURFACE. NO LARGER THAN 1/2" SEGMENT OF DRILL HOLES SHOWING IN ARRIS LINES.	+1" TO -1"
CONCEALED	BELOW 1 1/2" FROM EXPOSED SURFACE.	+1 1/2" TO -1 1/2"
BOTTOM	APPROXIMATELY PARALLEL TO TOP. MINIMUM WIDTH: 3"	SEE PLANS
ENDS EXPOSED PORTION	SQUARE WITH PLANES OF TOP AND FACE	
JOINTS EXPOSED	OPTIMUM WIDTH: 1"	
CONCEALED	TO BREAK BACK NO MORE THAN 4"	+3/4" TO -3/4"

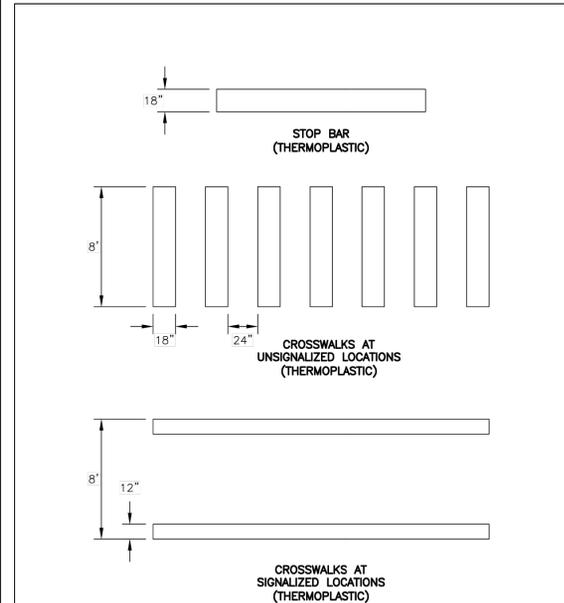
**VERTICAL GRANITE CURB**  
NOT TO SCALE



**ROAD SIGN POST AND SLEEVE - URBAN**  
NOT TO SCALE

- NOTES:
- POSTS SHALL BE PLUMB. ANY POST BENT OR OTHERWISE DAMAGED SHALL BE REMOVED AND REPLACED. CUTTING THE DAMAGED PORTION OUT AND SPLICING THE POST TOGETHER IS NOT ACCEPTABLE.
  - WHEN POSTS ARE SET, THE HOLES SHALL BE DUG TO THE PROPER DEPTH. AFTER INSERTING POSTS, THE HOLES SHALL BE BACK FILLED WITH SUITABLE MATERIAL IN LAYERS NOT EXCEEDING 6" DEEP WHEN COMPACTED; CARE BEING TAKEN TO PRESERVE THE ALIGNMENT OF THE POST.
  - WHEN POSTS ARE DRIVEN, A SUITABLE DRIVING CAP SHALL BE USED. AFTER DRIVING, THE TOP OF THE POST SHALL HAVE THE SAME CROSS-SECTIONAL DIMENSION AS THE BODY OF THE POST. BATTERED HEADS WILL NOT BE ACCEPTED.
  - POSTS SHALL NOT BE DRIVEN WITH THE SIGN ATTACHED TO THE POST.
  - SIGNS SHALL BE ERECTED IN CONFORMANCE WITH THE REQUIREMENTS OF THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES".
  - WHEN SIGN IS IN PLACE, NO PART OF THE POST SHALL EXTEND ABOVE SIGN

GREEN ENAMEL, 2.5#/FT MINIMUM FLANGED CHANNEL STEEL POST  
PVC OR STEEL SLEEVE REQUIRED IN PAVED OR CONCRETE LOCATIONS  
SLEEVE WILL BE LARGE ENOUGH TO ALLOW FOR REPLACEMENT POST

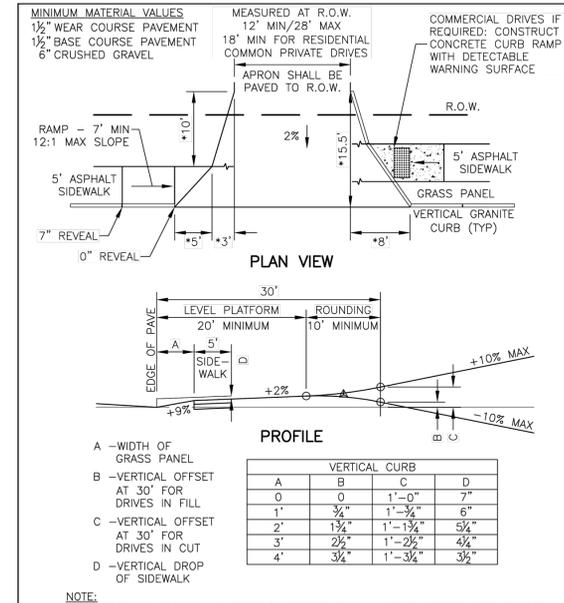


**PAVEMENT MARKINGS**

NO.	REVISION	DATE	City of Concord Engineering Services Division	SECTION: SITE/STREET
1	DRAFTING	11-11		
1	MIN WIDTH	11-11		
-	-	-		
-	-	-		

**DRIVE WITH VERTICAL GRANITE CURB GRASS PANEL WIDTH <5'**

DRAWING NO.	D-1
DATE:	12/08
PAGE:	1

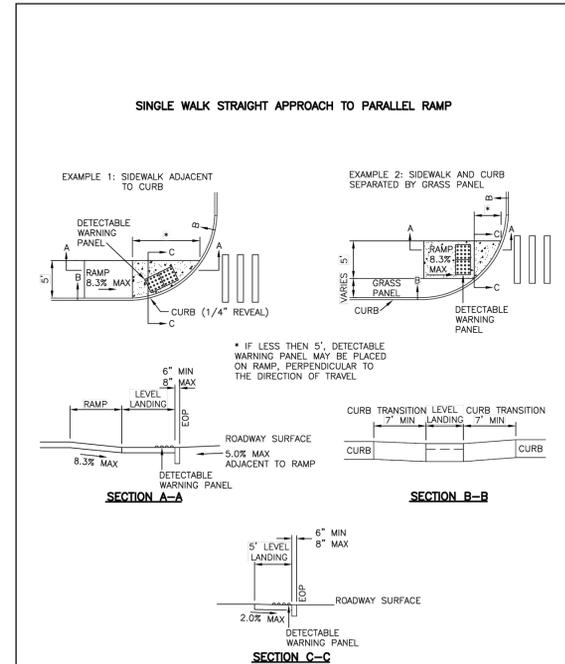


**SAWCUT REQUIREMENTS**

NO.	REVISION	DATE	City of Concord Engineering Services Division	SECTION: SITE/STREET
1	DRAWING NO.	11.11		
2	MULTIPLE	12.15		
-	-	-		
-	-	-		

**TRANSVERSE PATCH WITHIN CENTER OF PAVEMENT**

DRAWING NO.	R-12
DATE:	12/08
PAGE:	1



**SIDEWALK RAMP TYPE 1**

NO.	REVISION	DATE	City of Concord Engineering Services Division	SECTION: SITE/STREET
1	REV STYLE	11-09		
2	SECT C-C	11-09		
-	-	-		
-	-	-		

**APPROVED BY:**

DRAWING NO.	CR-3
DATE:	12/08
PAGE:	1

- REVISION HISTORY
- REVISED IN RESPONSE TO NHDES ECOLOGICAL REVIEW SECTION COMMENTS (12/09/2025)
  - REVISED TO COMPLY WITH RESIDENTIAL SCREENING (12/19/2025)
  - REVISED IN RESPONSE TO CITY OF CONCORD AND NHDES AOT COMMENTS (02/17/2026)

**ISSUED FOR PERMITTING**

ALL DOCUMENTS PREPARED BY WILCOX & BARTON, INC. ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY WILCOX & BARTON, INC. FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO WILCOX & BARTON, INC. OWNER SHALL INDEMNIFY AND HOLD HARMLESS WILCOX & BARTON, INC. FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

OWNER  
**DAVAL REALTY ASSOCIATES LLC / BANKS CHEVROLET**  
137 MANCHESTER ST  
CONCORD, NH 03301

SITE  
**BANKS CHEVROLET PARKING LOT RECONSTRUCTION**  
234 AIRPORT ROAD  
CONCORD, NH 03301

**MBLU: 782/Z/8**

**DRAWING TITLE CONSTRUCTION DETAILS**

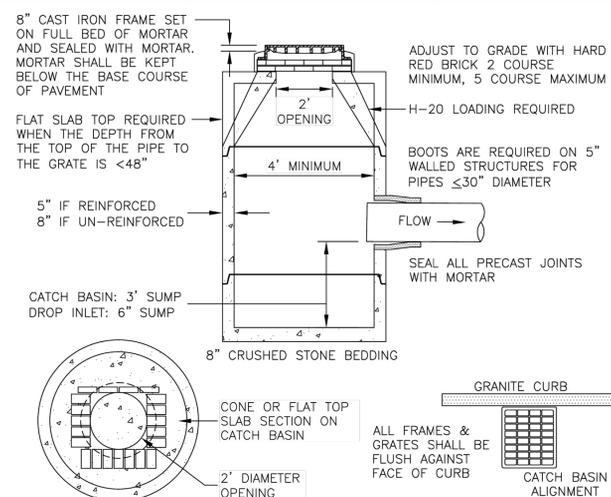
SCALE	N.T.S.	DATE	11/19/2025
DRAFTED BY	KAD	CHECKED BY	ERL
PROJECT MGR	ERL	PROJECT NO.	BACC0005

STATE OF NEW HAMPSHIRE  
ERIN R. LAMBERT  
No. 11057  
LICENSED PROFESSIONAL ENGINEER

**C5.1**

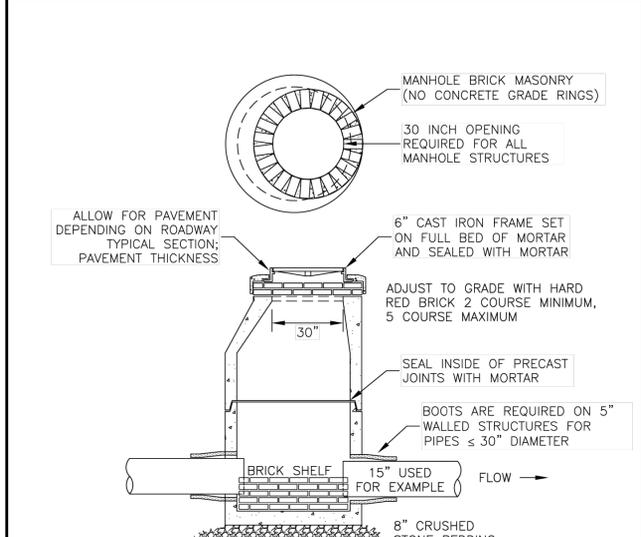
10 OF 16

REVISION HISTORY  
1. REVISED IN RESPONSE TO NHDES ECOLOGICAL REVIEW SECTION COMMENTS (12/08/2025)  
2. REVISED TO COMPLY WITH RESIDENTIAL SCREENING (12/19/2025)  
3. REVISED IN RESPONSE TO CITY OF CONCORD AND NHDES AOT COMMENTS (02/17/2026)



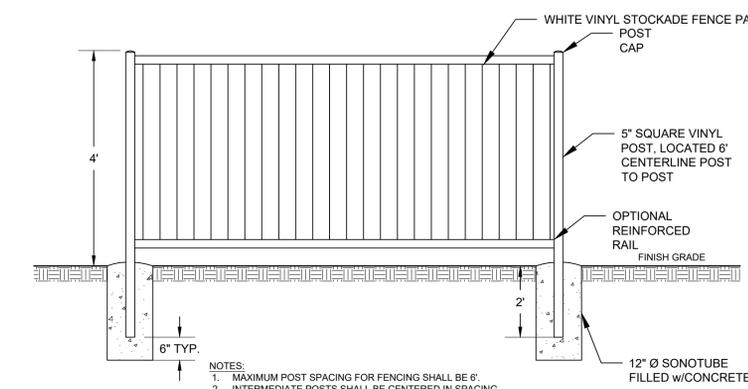
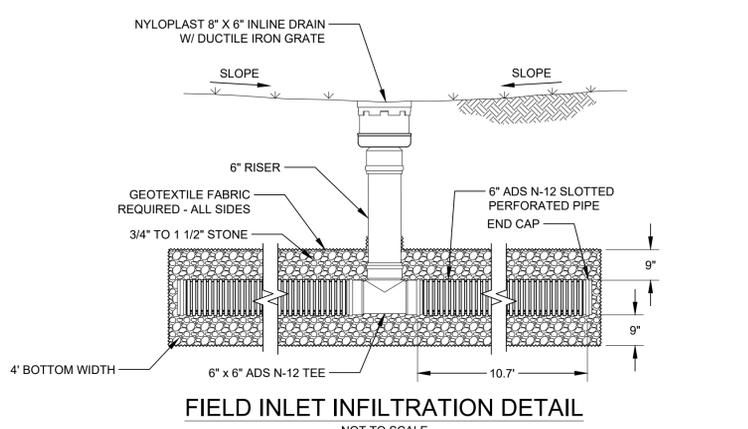
- NOTES:
1. CONCRETE SHALL BE 4,000 PSI AFTER 28 DAYS.
  2. SEAL ALL PRECAST JOINTS WITH BITUMASTIC SEAL.
  3. LIFT HOLES AND BOOT RECESSES ARE TO BE SEALED WITH MORTAR FLUSH TO THE OUTSIDE STRUCTURE WALL PRIOR TO BACKFILLING.
  4. MINIMUM DEPTH FROM RIM TO INVERT OF THE HIGHEST PIPE SHALL BE:  
12"Ø=3.7', 15"Ø=3.9', 18"Ø=4.2', 24"Ø=4.8', 30"Ø=5.3', 36"Ø=5.8'
  5. ALL STRUCTURES WITH MULTIPLE PIPES SHALL HAVE A MINIMUM OF 12" OF INSIDE SURFACE BETWEEN HOLES. NO MORE THAN 75% OF A HORIZONTAL CROSS-SECTION SHALL BE HOLES AND THERE SHALL BE NO HOLES CLOSER THAN 3" TO JOINTS.
  6. MANHOLES AND TRAFFIC SIGNAL LOOPS SHALL BE SEPARATED BY A MINIMUM OF 2' TO ALLOW FOR MAINTENANCE OF STRUCTURE.
  7. THREE FLANGED FRAMES SHALL BE USED FOR INSTALLATIONS ADJACENT TO VERTICAL GRANITE CURB.
  8. NH DOT TYPE "F" GRATE REQUIRED FOR ROADWAYS HAVING SLOPES EQUAL TO OR GREATER THAN 3%. TYPE "F" SHALL BE BICYCLE SAFE.
  9. BRICK WORK SHALL BE RECTANGULAR AND CONFORM TO THE DIMENSIONS OF THE GRATE BEING USED. TYPE "B" GRATES SHALL BE ALIGNED WITH THE 22" DIMENSION AGAINST THE CURB.

NO.	REVISION	DATE	City of Concord Engineering Services Division	SECTION: STORM DRAIN
1	DRAFTING	11/11		
2	SUMP DIM.	3/19		
CATCH BASIN / DROP INLET			DRAWING NO. SD-6	
			DATE: 12/08	PAGE: 1

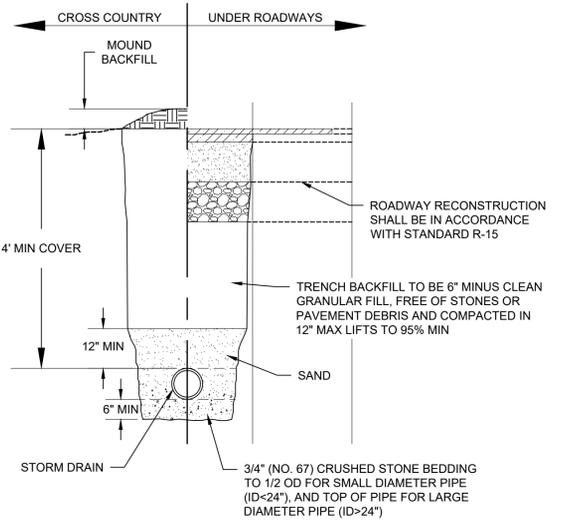


- NOTES:
1. CONCRETE: 4,000 PSI AFTER 28 DAYS
  2. H-20 LOADING REQUIRED
  3. 5" MINIMUM WALL THICKNESS IF REINFORCED, 8" IF UN-REINFORCED
  4. SEAL ALL PRECAST JOINTS WITH BITUMASTIC SEAL.
  5. LIFT HOLES AND BOOT RECESSES ARE TO BE SEALED WITH MORTAR FLUSH TO THE OUTSIDE STRUCTURE WALL PRIOR TO BACKFILLING
  6. ALL STRUCTURES WITH MULTIPLE PIPES SHALL HAVE A MINIMUM OF 12" OF INSIDE SURFACE BETWEEN HOLES. NO MORE THAN 75% OF A HORIZONTAL CROSS-SECTION SHALL BE HOLES, AND THERE SHALL BE NO HOLES CLOSER THAN 3" TO JOINTS
  7. MANHOLES AND TRAFFIC SIGNAL LOOPS SHALL BE SEPARATED BY A MINIMUM OF 2' TO ALLOW FOR MAINTENANCE OF STRUCTURE

NO.	REVISION	DATE	City of Concord Engineering Services Division	SECTION: STORM DRAIN
1	DRAFTING	11.11		
2	ADDED INLET	12.15		
STORM DRAIN MANHOLE			DRAWING NO. SD-2	
			DATE: 12/08	PAGE: 1

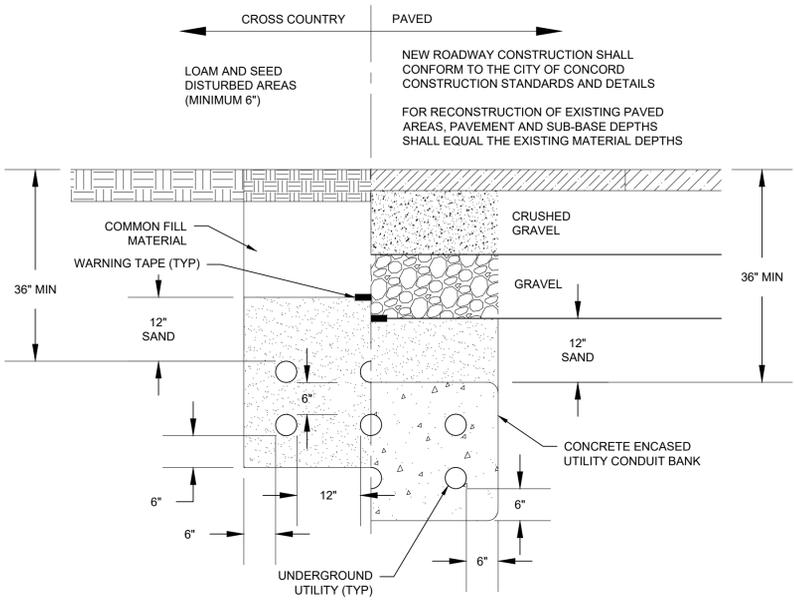


TYPICAL VINYL STOCKADE FENCE



- NOTES:
1. SAND BLANKET MATERIAL SHALL CONFORM WITH PROVISIONS OF Env-Wq 704.11(b).
  2. TRENCH BACKFILL MATERIAL SHALL CONFORM WITH Env-Wq 704.11(b).
  3. FOR EXCAVATION IN LEDGE, EXCAVATION SHALL EXTEND AT LEAST 12" BELOW THE BOTTOM OF THE SEWER PIPE PER Env-Wq 704.11 (e).

STORM DRAIN TRENCH

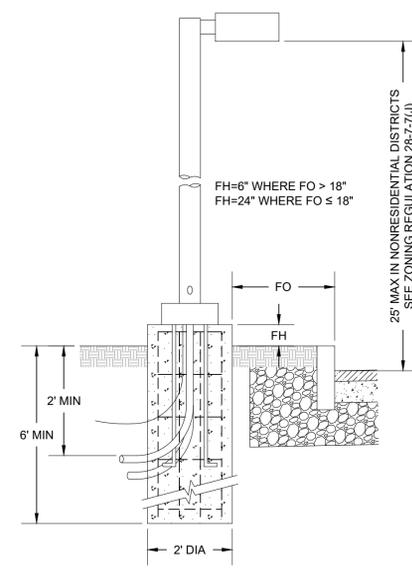


UNDERGROUND CONDUIT INSTALLATIONS SHALL BE COORDINATED WITH ALL LOCAL UTILITIES INCLUDING ELECTRIC, TELEPHONE, GAS, CABLE, STEAM, AND CITY OF CONCORD FIRE ALARMSIGNAL AND ENGINEERING SERVICES DIVISIONS.

CONDUIT CROSSINGS SHALL BE SWEEPS AT RIGHT ANGLES TO THE STREET. 90° BENDS ARE NOT ACCEPTABLE

PROPOSED CONDUITS WITHIN PAVED SECTIONS OF STREETS SHALL BE RIGID METAL OR SCH 80 PVC CONDUIT. WHEN THE PROPER DEPTH CANNOT BE ACHIEVED, SCH 40 PVC CONDUIT ENCASED IN CONCRETE SHALL BE USED.

TYPICAL UTILITY CONDUIT INSTALLATION



THIS INFORMATION MAY NOT CONTAIN ALL DETAILS REQUIRED FOR CONSTRUCTION. APPROPRIATE MODIFICATION MAY BE REQUIRED TO ENSURE SUITABILITY OF THESE DRAWINGS FOR THE SPECIFIC APPLICATION. IT IS THE USERS RESPONSIBILITY TO ENSURE INSTALLATION OF THE EQUIPMENT/SYSTEM IN ACCORDANCE WITH BUILDING/PROJECT SPECIFICATIONS, APPLICABLE CODES AND STANDARDS.

TYPICAL LIGHT POLE AND FOUNDATION

ISSUED FOR

**PERMITTING**

ALL DOCUMENTS PREPARED BY WILCOX & BARTON, INC. ARE INSTRUMENTS OF SERVICE IN RESPECT OF THE PROJECT. THEY ARE NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE BY OWNER OR OTHERS. ANY REUSE WITHOUT WRITTEN VERIFICATION OR ADAPTATION BY WILCOX & BARTON, INC. FOR THE SPECIFIC PURPOSE INTENDED WILL BE AT OWNERS SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO WILCOX & BARTON, INC. OWNER SHALL INDEMNIFY AND HOLD HARMLESS WILCOX & BARTON, INC. FROM ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES ARISING OUT OF OR RESULTING THEREFROM.

OWNER

**DAVAL REALTY ASSOCIATES LLC / BANKS CHEVROLET**

137 MANCHESTER ST  
CONCORD, NH 03301

SITE

**BANKS CHEVROLET PARKING LOT RECONSTRUCTION**

234 AIRPORT ROAD  
CONCORD, NH 03301

MBLU: 782/Z/8

DRAWING TITLE

**CONSTRUCTION DETAILS**

SCALE: N.T.S. DATE: 11/19/2025

DRAFTED BY: KAD CHECKED BY: ERL PROJECT MGR: ERL PROJECT NO.: BACC0005

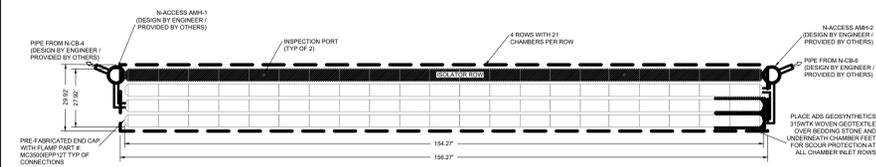
STATE OF NEW HAMPSHIRE  
ERIN R. LAMBERT  
No. 11057  
PROFESSIONAL ENGINEER  
LICENSED

**C5.2**

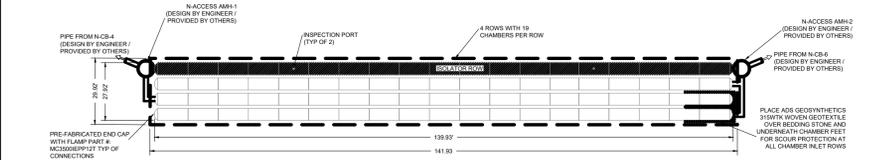
11 OF 16

**COMPUTER GENERATED CONCEPTUAL LAYOUT**

**INFILTRATION GALLERY 1 (LAYOUT A)**  
**NOT FOR CONSTRUCTION**



**COMPUTER GENERATED CONCEPTUAL LAYOUT**  
**INFILTRATION GALLERY 1 (LAYOUT B - AMENDED SOILS)**  
**ALTERNATIVE LAYOUT**  
**NOT FOR CONSTRUCTION**



**PROPOSED ELEVATIONS (BOTH LAYOUT CONFIGURATIONS):**

MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED):	326.87
MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC):	326.37
MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT):	324.87
MINIMUM ALLOWABLE GRADE (TOP OF RIGID CONCRETE PAVEMENT):	325.12
TOP OF STONE:	323.87
TOP OF CHAMBER:	322.87
AMH-1 - 24" CONNECTION INVERT:	319.29
AMH-2 - 24" CONNECTION INVERT:	319.29
MANFOLD - 15" CONNECTION INVERT:	321.07
BOTTOM OF CHAMBER:	319.12
BOTTOM OF STONE:	318.37

**INFILTRATION GALLERY-1 NOTES (BOTH LAYOUT CONFIGURATIONS):**

- DO NOT DISCHARGE SEDIMENT-LADEN WATERS FROM CONSTRUCTION ACTIVITIES (RUNOFF, WATER FROM EXCAVATIONS) TO THE INFILTRATION SYSTEM.
- DO NOT TRAFFIC EXPOSED SOIL SURFACE WITH CONSTRUCTION EQUIPMENT. IF FEASIBLE, PERFORM EXCAVATIONS WITH EQUIPMENT POSITIONED OUTSIDE THE LIMITS OF THE INFILTRATION SYSTEM.
- AFTER THE AREA IS EXCAVATED TO THE FINAL DESIGN ELEVATION, THE FLOOR SHOULD BE DEEPLY TILLED WITH ROTARY TILLER OR DISC HARROW TO RESTORE INFILTRATION RATES, FOLLOWED BY A PASS WITH A LEVELING DRAG.
- IMPERMEABLE LINERS ALONG ALL SIDEWALLS ARE REQUIRED FOR THE GALLERY.
- DO NOT PLACE INFILTRATION SYSTEMS INTO SERVICE UNTIL THE CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED.
- THIS PROJECT INCLUDES AN UNDERGROUND INFILTRATION SYSTEM. A LETTER SIGNED BY A QUALIFIED ENGINEER MUST BE PROVIDED TO DES STATING THAT THE INDIVIDUAL OBSERVED ANY UNDERGROUND DETENTION, INFILTRATION, OR FILTERING SYSTEMS PRIOR TO BACKFILLING, AND WHETHER, IN HIS OR HER PROFESSIONAL OPINION, THE SYSTEM(S) CONFORM TO THE APPROVED PLANS AND SPECIFICATIONS.
- CONFIRMATORY TEST PITS AND INFILTRATION TESTING SHALL BE PERFORMED WITHIN THE FOOTPRINT OF SUBSURFACE INFILTRATION GALLERY-1 DURING CONSTRUCTION. TEST PITS SHALL BE PERFORMED TO CONFIRM ADEQUATE SEPARATION TO THE ESTIMATED SEASONAL HIGH WATER TABLE. 4" OF SEPARATION REQUIRED DUE TO THE PRESENCE OF THE GROUNDWATER PROTECTION AREA. SOIL AMENDMENT MAY BE REQUIRED DUE TO INFILTRATION TESTING RESULTS. IF SOIL AMENDMENT IS REQUIRED BENEATH THE FOOTPRINT OF THE GALLERY, THEN THE SYSTEM CONFIGURATION SHALL BE AS DETAILED IN THE INFILTRATION GALLERY-1 LAYOUT B DETAIL, THIS SHEET.

**INFILTRATION GALLERY-1 SOIL NOTES (BOTH LAYOUT CONFIGURATIONS):**

- ON-SITE SOILS BENEATH INFILTRATION GALLERY-1 SHALL BE TESTED FOR INFILTRATION RATE PRIOR TO CONSTRUCTION. IF INFILTRATION RATE IS HIGHER THAN 10 INCHES/HOUR THE SOILS BENEATH THE INFILTRATION GALLERY FOOTPRINT SHALL BE AMENDED TO A MINIMUM DEPTH OF 24" TO REDUCE THE INFILTRATION RATE TO EQUAL TO 10 INCHES/HOUR, PRIOR TO ADDING A FACTOR OF SAFETY. FIELD MEASUREMENT METHODS (AS DESCRIBED IN ENVO-1504 (4E)) SHALL BE PERFORMED TO CONFIRM THE FIELD TESTED INFILTRATION RATES OF THE AMENDED SOILS. SEE INFILTRATION GALLERY-1 AMENDED SOILS NOTES. THIS SHEET FOR MORE INFORMATION.
- THE TEST RESULTS REQUIRED ABOVE SHALL BE SUBMITTED TO THE CITY OF CONCORD AND NHDES AOT BUREAU.

**INFILTRATION GALLERY-1 AMENDED SOIL NOTES (FOR LAYOUT B):**

- A QUALIFIED CPESC, SOIL SCIENTIST, GEOLOGIST, OR ENGINEER SHALL BE RETAINED TO DESIGN THE SOIL AMENDMENT AND PERFORM INFILTRATION TESTING AT THE UNDERGROUND INFILTRATION SYSTEM. THE INFORMATION AND TEST RESULTS SHALL BE PROVIDED TO THE NHDES ALTERATION OF TERRAIN BUREAU TO VERIFY THE ASSUMED DESIGN INFILTRATION RATES OF 10 IN/HOUR (ACTUAL INFILTRATION RATE OF 10 IN/HOUR) AND A MINIMUM SEPARATION OF 3 FEET FROM THE BOTTOM OF THE SYSTEM TO THE ELEVATION OF SEASONAL HIGH WATER AND BEDROCK. THE DEPTH OF THE AMENDED SOILS MUST BE AT LEAST 24 INCHES THICK.
- SOIL AMENDMENT NOTE: EXISTING SOILS SHALL BE TESTED TO CONFIRM EXISTING INFILTRATION RATE EXCEEDS MAXIMUM INFILTRATION RATE REGULATED.
- THE AMENDMENT OF THE SOILS WILL BE ACCOMPLISHED BY BLENDING COMPOST TO 24 INCHES OF SOILS DIRECTLY BELOW THE INFILTRATION SYSTEM FOOTPRINT.

**INFILTRATION GALLERY-1 (LAYOUT A):**

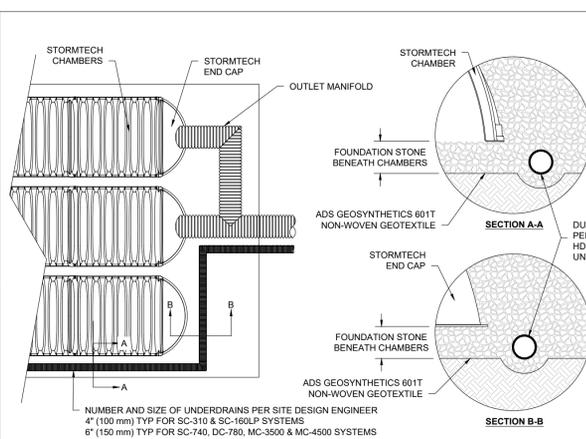
(84) STORMTECH MC-3500 CHAMBERS  
(8) STORMTECH MC-3500 END CAPS  
FIELD A INSTALLED WITH 12" COVER STONE, 9" BASE STONE, 12" SIDE STONE, 12" END STONE, 40% STONE VOID  
INSTALLED SYSTEM VOLUME: 15,898.30 CF  
AREA OF SYSTEM: 4,875.60 FT<sup>2</sup>  
PERIMETER OF SYSTEM: 372.38 FT

NOTE: LAYOUT A IS PROPOSED AS SHOWN ON THE GRADING & DRAINAGE PLAN, CONFIRMATORY TEST PITS AND INFILTRATION TESTING TO BE PERFORMED AT THE START OF CONSTRUCTION. IF SOIL AMENDMENT IS REQUIRED, THEN LAYOUT B SHALL BE PROPOSED AND INSTALLED.

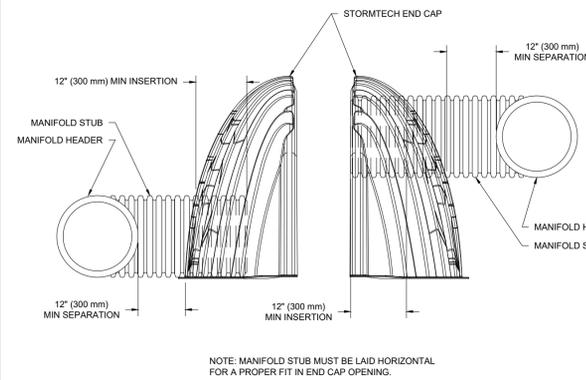
**INFILTRATION GALLERY-1 (LAYOUT B):**

(76) STORMTECH MC-3500 CHAMBERS  
(8) STORMTECH MC-3500 END CAPS  
FIELD A INSTALLED WITH 12" COVER STONE, 9" BASE STONE, 12" SIDE STONE, 12" END STONE, 40% STONE VOID  
INSTALLED SYSTEM VOLUME: 14,428.70 CF  
AREA OF SYSTEM: 4,246.55 FT<sup>2</sup>  
PERIMETER OF SYSTEM: 343.70 FT

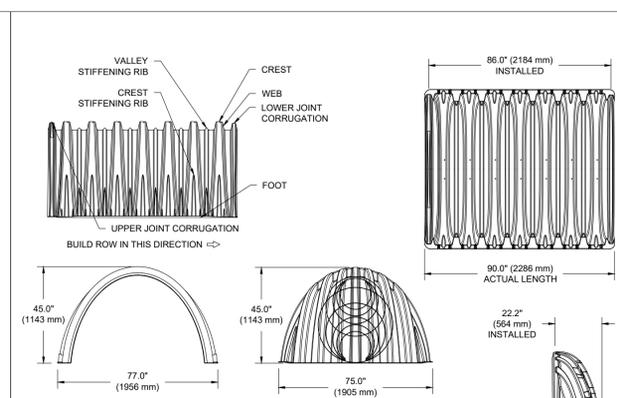
NOTE: LAYOUT B SHALL BE PROPOSED IF AMENDED SOIL IS REQUIRED PER THE INFILTRATION TESTING RESULTS TO BE PERFORMED AT THE START OF CONSTRUCTION.



**5 UNDERDRAIN DETAIL**



**6 MC-SERIES END CAP INSERTION DETAIL**



**NOMINAL CHAMBER SPECIFICATIONS**

SIZE (W X H X INSTALLED LENGTH)	77.0" X 45.0" X 86.0" (1956 mm X 1143 mm X 2184 mm)
CHAMBER STORAGE	109.9 CUBIC FEET (3.11 m <sup>3</sup> )
MINIMUM INSTALLED STORAGE*	175.0 CUBIC FEET (4.96 m <sup>3</sup> )
WEIGHT	134 lbs. (60.8 kg)

**NOMINAL END CAP SPECIFICATIONS**

SIZE (W X H X INSTALLED LENGTH)	75.0" X 45.0" X 22.2" (1905 mm X 1143 mm X 564 mm)
END CAP STORAGE	14.9 CUBIC FEET (0.42 m <sup>3</sup> )
MINIMUM INSTALLED STORAGE*	49.1 CUBIC FEET (1.28 m <sup>3</sup> )
WEIGHT	45 lbs. (22.2 kg)

\*ASSUMES 12" (305 mm) STONE ABOVE, 9" (229 mm) STONE FOUNDATION, 6" (152 mm) STONE BETWEEN CHAMBERS, 6" (152 mm) STONE PERIMETER IN FRONT OF END CAPS AND 40% STONE POROSITY.

PARTIAL CUT HOLES AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B" PARTIAL CUT HOLES AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T" END CAPS WITH A PREFABRICATED WELDED STUB END WITH "W" END CAPS WITH A WELDED CROWN PLATE END WITH "C"

PART #	STUB	B	C
MC3500EPP06B	6" (150 mm)	33.21" (844 mm)	0.66" (17 mm)
MC3500EPP08B	8" (200 mm)	31.16" (791 mm)	0.81" (21 mm)
MC3500EPP10T	10" (250 mm)	29.04" (738 mm)	0.93" (24 mm)
MC3500EPP12T	12" (300 mm)	26.36" (670 mm)	1.35" (34 mm)
MC3500EPP15T	15" (375 mm)	23.39" (594 mm)	1.50" (38 mm)
MC3500EPP18T	18" (450 mm)	20.03" (509 mm)	1.77" (45 mm)
MC3500EPP24T	24" (600 mm)	14.48" (368 mm)	2.06" (52 mm)
MC3500EPP30B	30" (750 mm)	---	2.75" (70 mm)

NOTE: ALL DIMENSIONS ARE NOMINAL.

CUSTOM PARTIAL CUT INVERTS ARE AVAILABLE UPON REQUEST. INVERTED MANIFOLDS INCLUDE 12-24" (300-600 mm) SIZE ON SIZE AND 15-48" (375-1200 mm) ECCENTRIC MANIFOLDS. CUSTOM INVERT LOCATIONS ON THE MC-3500 END CAP CUT IN THE FIELD ARE NOT RECOMMENDED FOR PIPE SIZES GREATER THAN 10" (250 mm). THE INVERT LOCATION IN COLUMN "B" ARE THE HIGHEST POSSIBLE FOR THE PIPE SIZE.

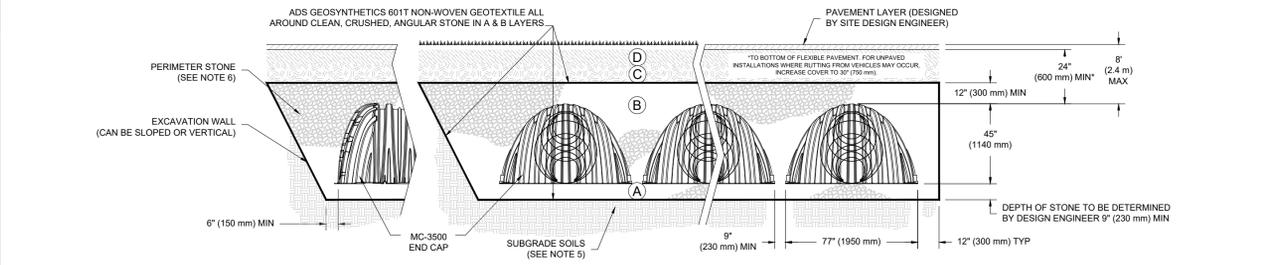
**6 MC-SERIES END CAP INSERTION DETAIL**

**2 MC-3500 TECHNICAL SPECIFICATIONS**

**ACCEPTABLE FILL MATERIALS: STORMTECH MC-3500 CHAMBER SYSTEMS**

MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	<b>FINAL FILL:</b> FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	<b>INITIAL FILL:</b> FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 24" (600 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <3% FINES OR PROCESSED AGGREGATE. AASHTO M43 <sup>1</sup> 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 24" (600 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 12" (300 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS.
B	<b>EMBEDMENT STONE:</b> FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	AASHTO M43 <sup>1</sup> 3, 4	NO COMPACTION REQUIRED.
A	<b>FOUNDATION STONE:</b> FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	AASHTO M43 <sup>1</sup> 3, 4	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. <sup>2,3</sup>

- PLEASE NOTE:
- THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
  - STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9" (230 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
  - WHERE INFILTRATION SURFACES MAY BE IMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
  - ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.

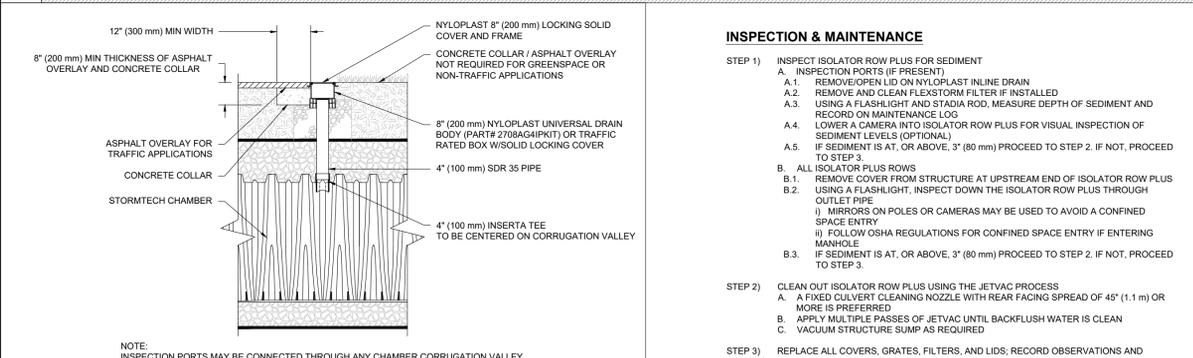


**NOTES:**

- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS" CHAMBER CLASSIFICATION 45x76 DESIGNATION SS.
- MC-3500 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
- PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
- REQUIREMENTS FOR HANDLING AND INSTALLATION:
  - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
  - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 3".
  - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2418 SHALL BE GREATER THAN OR EQUAL TO 500 LB/FT<sup>2</sup> AND 'B' TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

**1 MC-3500 CROSS SECTION DETAIL**

**3 MC-3500 ISOLATOR ROW PLUS DETAIL**



**INSPECTION & MAINTENANCE**

- STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
- INSPECTION PORTS (IF PRESENT)
    - REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
    - REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED USING A FLASHLIGHT AND STADIUM ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
    - LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
    - IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
  - ALL ISOLATOR ROW PLUS ROWS
    - REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
      - MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
      - FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
    - IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS
- A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45" (1.1 m) OR MORE IS PREFERRED
  - APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
  - VACUUM STRUCTURE SUMP AS REQUIRED
- STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.
- STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

**NOTES:**

- INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
- CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

**4" PVC INSPECTION PORT DETAIL (MC SERIES CHAMBER)**



**4" PVC INSPECTION PORT DETAIL (MC SERIES CHAMBER)**

**Wilcox & Barton INC.**  
CIVIL • ENVIRONMENTAL • GEOTECHNICAL

2 HOME AVENUE  
CONCORD, NH 03301  
603-369-4190  
www.wilcoxandbarton.com

- REVISION HISTORY
- REVISED IN RESPONSE TO NHDES ECOLOGICAL REVIEW SECTION COMMENTS (12/09/2025)
  - REVISED TO COMPLY WITH RESIDENTIAL SCREENING (12/18/2025)
  - REVISED IN RESPONSE TO CITY OF CONCORD AND NHDES AOT COMMENTS (02/17/2026)

**ISSUED FOR PERMITTING**

OWNER

**DAVAL REALTY ASSOCIATES LLC / BANKS CHEVROLET**

137 MANCHESTER ST  
CONCORD, NH 03301

SITE

**BANKS CHEVROLET PARKING LOT RECONSTRUCTION**

234 AIRPORT ROAD  
CONCORD, NH 03301

MBLU: 782/Z/8

DRAWING TITLE

**CONSTRUCTION DETAILS**

SCALE: N.T.S. DATE: 11/19/2025

DRAFTED BY: KAD CHECKED BY: ERL PROJECT MGR: ERL PROJECT NO: BACC0005

SHEET NO. **C5.3**

12 OF 16

STATE OF NEW HAMPSHIRE  
ERIN R. LAMBERT  
No. 11057  
LICENSED PROFESSIONAL ENGINEER  
ENGINEER ERIN R. LAMBERT  
NH P.E. #11057