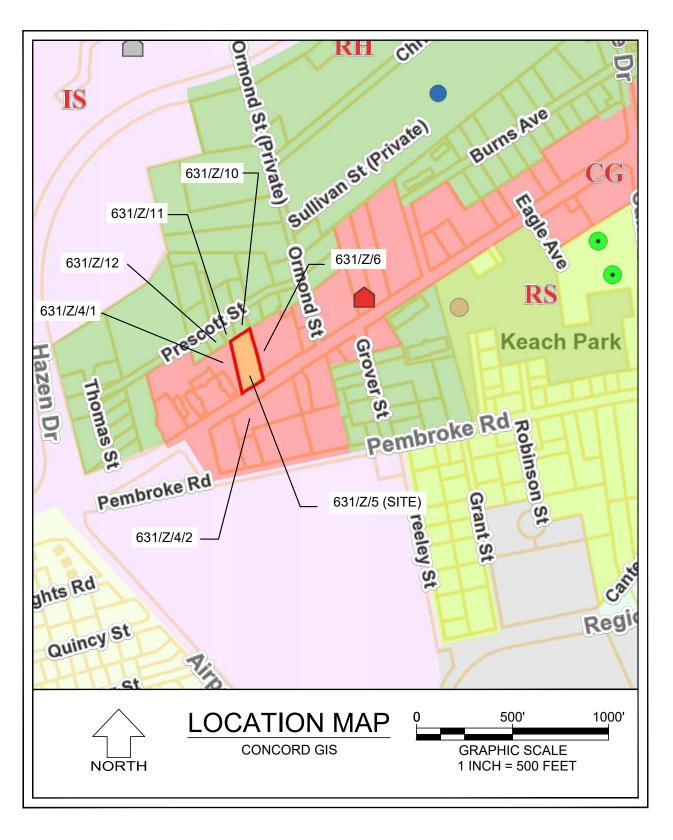
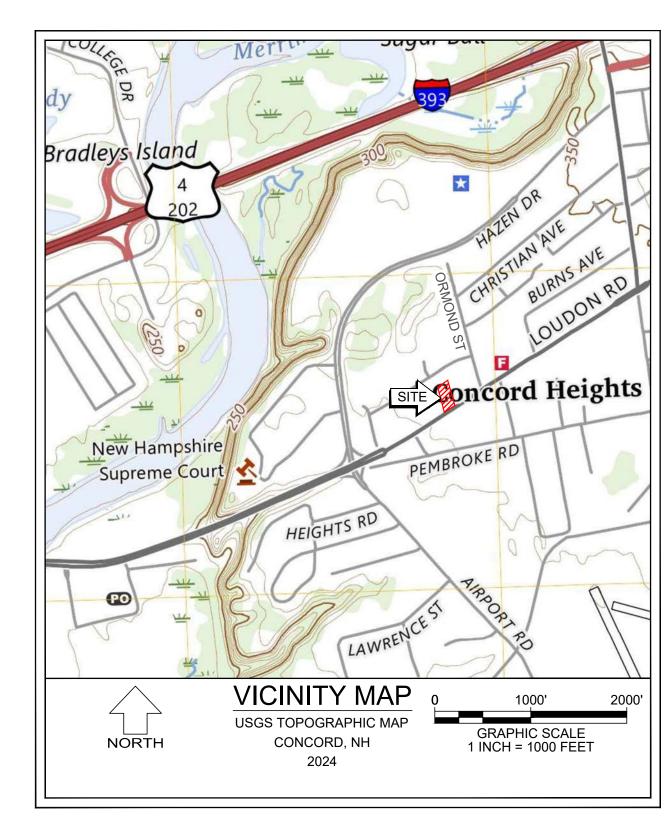
BANGOR SAVINGS BANK

111 LOUDON ROAD CONCORD, NH

SITE ENGINEER
NOBIS GROUP - CONCORD, NH
ARCHITECT
WARRENSTREET ARCHITECTS - CONCORD, NH
SURVEYOR
RICHARD D. BARTLETT & ASSOCIATES - CONCORD, NH
LANDSCAPE ARCHITECT
WARRENSTREET ARCHITECTS - CONCORD, NH
SITE LIGHTING
VISIBLE LIGHT- HAMPTON, NH
TRAFFIC ENGINEER
VHB - BEDFORD, NH





FOR SITE PLAN REVIEW DECEMBER 18, 2024

SHEET INDEX

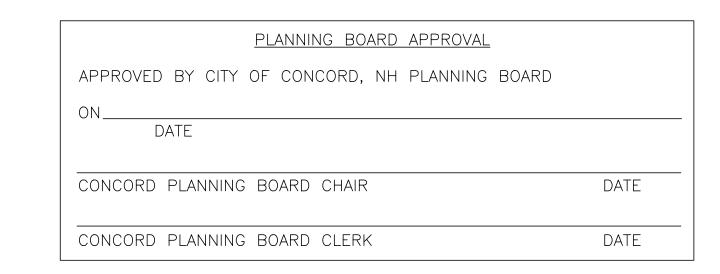
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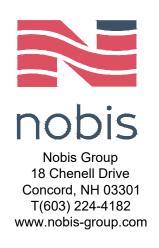
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I ECENID

LEGENL	<u>)</u>				
EXISTING	PROPOSED		EXISTING	PROPOSED	
		SUBJECT PROPERTY LINE		(DRAIN MANHOLE
		OTHER PROPERTY LINE	\Box		CATCH BASIN
		—— SETBACKS		D	UTILITY POLE
		—— EASEMENT	T	Π	PAD MOUNTED TRANSFORMER
		STONE WALL	(\$)	S	SANITARY SEWER MANHOLE
		RETAINING WALL	(0)	@	SANITARY SEWER CLEAN-OUT
	- · · · · ·		Ş	**	HYDRANT
	_ · _ · _	STREAM / RIVER	₩V	×	WATER VALVE
.~~	α	TREE LINE	4°S°°	*\$0	WATER SHUT OFF
	· · · · · ·	—— CHAIN LINK FENCE		®	WATER SUPPLY WELL
			ĞS.	ĕ	GAS SHUT OFF
	1 1 1	GUARDRAIL (STEEL)	GM S	€M	GAS METER
		GUARDRAIL (WOOD)	× 100.0	× 100.0	SPOT GRADE
		CENTERLINE	$\times \frac{100.0}{100.5}$	$\times \frac{100.0}{100.5}$	CURB SPOT GRADE
_		— — EDGE OF GRAVEL			SIGN POST
			\$		LIGHT POLE
SGC	SGC	SLOPED GRANITE CURB	* 503	\odot	TREE
	VGC	VERTICAL GRANITE CURB	Aq	Ay	CONCRETE
VCC	VCC	VERTICAL CONCRETE CURB			GRAVEL
BCC	BCC	BITUMINOUS CONCRETE CURB			RIP RAP
	CC	CONCRETE CURB	111/2 11/2 11/2		WETLAND
CCB	CCB	CAPE COD BERM			WETLAND IMPACT
TD	TD	TIP DOWN		~~ >	FLOW DIRECTION
<u> </u>	100	—— MAJOR CONTOUR		€	STONE CHECK DAM
	98	— MINOR CONTOUR			INLET PROTECTION
D		DRAIN LINE		2%	SLOPE & DIRECTION
RD	RD	ROOF DRAIN	₽ TP		TEST PIT LOCATION
UD	——— UD———	UNDER DRAIN	В		BORING LOCATION
——— FD—————————————————————————————————	—— FD——	—— FOUNDATION DRAIN	→ MW		MONITORING WELL LOCATION
	 >	SWALE FLOW DIRECTION	⊋ PT		PERC. TEST LOCATION
x	x	SILT FENCE / WATTLE	1)		PHOTO LOCATION / DIRECTION
——————————————————————————————————————	——— OHW———	OVERHEAD UTILITY WIRE	(MH)	M H	MANHOLE
UGE	UGE	—— UNDERGROUND ELECTRIC		lacktriangle	TELECOM MANHOLE
T	— т —	—— UNDERGROUND TELECOM	E	©	ELECTRIC MANHOLE
S	s	—— SANITARY SEWER LINE	\triangleright —		STEEP SLOPE
SS	ss	—— SANITARY SEWER SERVICE			
	FM	—— SANITARY SEWER FORCE MAIN			
W	W	WATER LINE			
	ws	WATER SERVICE			

------- G-------- GAS LINE

ST — STEAM LINE

FO FIBER OPTIC LINE

ZONING BOUNDARY LINE

GENERAL NOTES:

- 1. THESE DRAWINGS SHOULD BE REVIEWED IN CONJUNCTION WITH THE ACCOMPANYING DESIGN REPORT TITLED "STORMWATER MANAGEMENT REPORT FOR BANGOR SAVINGS BANK 111 LOUDON ROAD, CONCORD, NH" DATED DECEMBER 18, 2024 PREPARED BY NOBIS GROUP.
- 2. EXISTING CONDITIONS, TOPOGRAPHICAL INFORMATION, NORTH ORIENTATION, NORTH ARROW, AND COORDINATE VALUES DEPICTED ON THESE DRAWINGS ARE BASED ON PLANS TITLED "EXISTING CONDITIONS", DATED JUNE 21, 2021, BY RICHARD D. BARTLETT & ASSOCIATES. LLC.
- 3. THESE DRAWINGS AND ACCOMPANYING TEXT HAVE BEEN PREPARED FOR SITE PLAN REVIEW, FOR REVIEW BY THE CITY OF CONCORD PLANNING BOARD, CODE ENFORCEMENT, GENERAL SERVICES, POLICE, AND FIRE DEPARTMENTS. 4. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF CONCORD'S CONSTRUCTION STANDARDS AND DETAILS (LATEST EDITION), AND CITY STANDARDS SHALL TAKE PRECEDENCE IN CASE OF ANY DETAILS OR PLANS IN
- 5. ALL UTILITIES SHALL BE INSTALLED UNDERGROUND IN ACCORDANCE WITH SECTION 25.02(1) OF THE SITE PLAN REGULATIONS.
- 6. UPON COMPLETION OF CONSTRUCTION THE CONTRACTOR SHALL SUBMIT AS-BUILT DRAWINGS TO THE ENGINEERING SERVICES DIVISION PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
- 7. THE CONTRACTOR SHALL SET UP A PRECONSTRUCTION MEETING WITH THE ENGINEERING SERVICES DIVISION TO DISCUSS CONSTRUCTION REQUIREMENTS, SITE INSPECTIONS, ASSOCIATED FEES, SCHEDULES, ETC.
- 8. THE CONTRACTOR SHALL OBTAIN A DEMOLITION PERMIT FROM THE CODE ADMINISTRATION DIVISION FOR THE REMOVAL
- 9. THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM THE ENGINEERING SERVICES DIVISION FOR WORK
- 10. THE CONTRACTOR SHALL OBTAIN UTILITY CONNECTION PERMITS FROM THE ENGINEERING SERVICES DIVISION FOR THE PROPOSED WATER SERVICE, SEWER SERVICE, AND STORM DRAIN CONNECTION(S). INDIVIDUAL PERMITS WILL BE REQUIRED FOR EACH CONNECTION.
- 11. THE CONTRACTOR SHALL OBTAIN A DRIVEWAY PERMIT FROM THE ENGINEERING SERVICES DIVISION FOR THE PROPOSED
- 12. A TEMPORARY TRAFFIC CONTROL PLAN (TTCP) WILL BE REQUIRED FOR ALL WORK IN AND ADJACENT TO THE CITY ROW THAT WILL REQUIRE LANE CLOSURES. THE TTCP SHOULD 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).

1. 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

2. DISTURBANCES OF AREAS SHALL BE MINIMIZED. NO DISTURBED AREA SHALL BE LEFT UNSTABILIZED FOR LONGER THAN

TACKIFIER WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE AND PRIOR TO THE END OF THE GROWING SEASON.

5. EXCAVATE AND GRADE, THEN INSTALL LOAM, SEED, AND EROSION CONTROL MATTING TO STABILIZE DETENTION POND

TWO WEEKS DURING THE GROWING SEASON. AREAS WHICH WILL NOT BE PERMANENTLY SEEDED WITHIN TWO WEEKS OF DISTURBANCE SHALL BE TEMPORARILY SEEDED AND MULCHED. ALL AREAS SHALL BE STABILIZED WITH SEED MULCH AND

EVENT (1/2" OF RAIN OR MORE). PERFORM ANY NEEDED MAINTENANCE AND STABILIZATION AS NEEDED.

3. PERFORM DEMOLITION OF EXISTING SITE FEATURES AS SHOWN ON DEMOLITION PLAN.

4. PERFORM CLEARING AND GRUBBING TO LIMITS SHOWN ON DEMOLITION PLAN.

EROSION CONTROL NOTES:

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.

SEDIMENT TRAPS AND/OR BASINS SHOULD BE USED AS NECESSARY TO CONTAIN RUNOFF UNTIL BASINS/PONDS ARE

ALL SWALES AND PONDS SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF INTO THEM.

THIS WORK IS ANTICIPATED TO BEGIN IN THE SPRING 2025 WITH A FINAL COMPLETION DATE IN FALL 2025. NO WINTER EARTH DISTURBANCE IS EXPECTED FOR THIS PROJECT. SHOULD WINTER WORK BE REQUIRED, THIS PLAN SHALL BE MODIFIED

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.

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 CONDUCT PERMANENT SEEDING AND MULCHING OF ALL DISTURBED GROUND.

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 SOWN PRIOR TO PLACING THE MULCH, THE MULCH SHOULD BE PLACED ON THE SEEDED 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 BORN 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.

OUST 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 COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED; 2 A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED.
- 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.

CONSTRUCTION SHALL BE MANAGED IN A MANNER THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430:53 AND CHAPTER AGR 3800 RELATIVE TO INVASIVE SPECIES.

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 (MG/L), RESPECTIVELY.

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 MIX								
SEED	BY % MASS	% GERMINATION (MIN.)						
WINTER RYE 80 (MIN.)	80 (MIN.)	85						
RED FESCUE (CREEPING)	4 (MIN.)	80						
PERENNIAL RYE 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							
LANDINO CLOVER	5	85							

WINTER CONSTRUCTION NOTES:

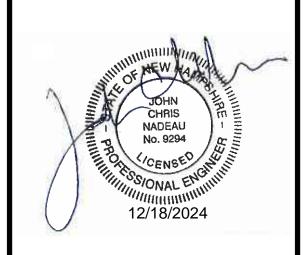
ALL PROPOSED POST-DEVELOPMENT VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH 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 NHDOT ITEM 304.3 OR IF CONSTRUCTION IS TO CONTINUE THROUGH THE WINTER SEASON BE CLEARED OF ANY ACCUMULATED SNOW AFTER EACH STORM EVENT.



18 Chenell Drive Concord, NH 03301 T(603) 224-4182 www.nobis-group.com



NOT ISSUED CONSTRUCTION

BANGOR SAVINGS BANK

111 LOUDON ROAD CONCORD, NEW HAMPSHIRE

APPLICANT: **BANGOR SAVINGS BANK** P.O BOX 930 BANGOR, ME 04402

> REVISIONS SCALE:

> > AS NOTED

DESCRIPTION

DATE

DEC 2024 NOBIS PROJECT NO. 100165.00 DRAWN BY: KLR CHECKED BY: JIR **CAD DRAWING FILE:**

100165.000-C-005-NOTES & LEGEND.dwg SHEET TITLE

> **GENERAL NOTES AND** LEGEND

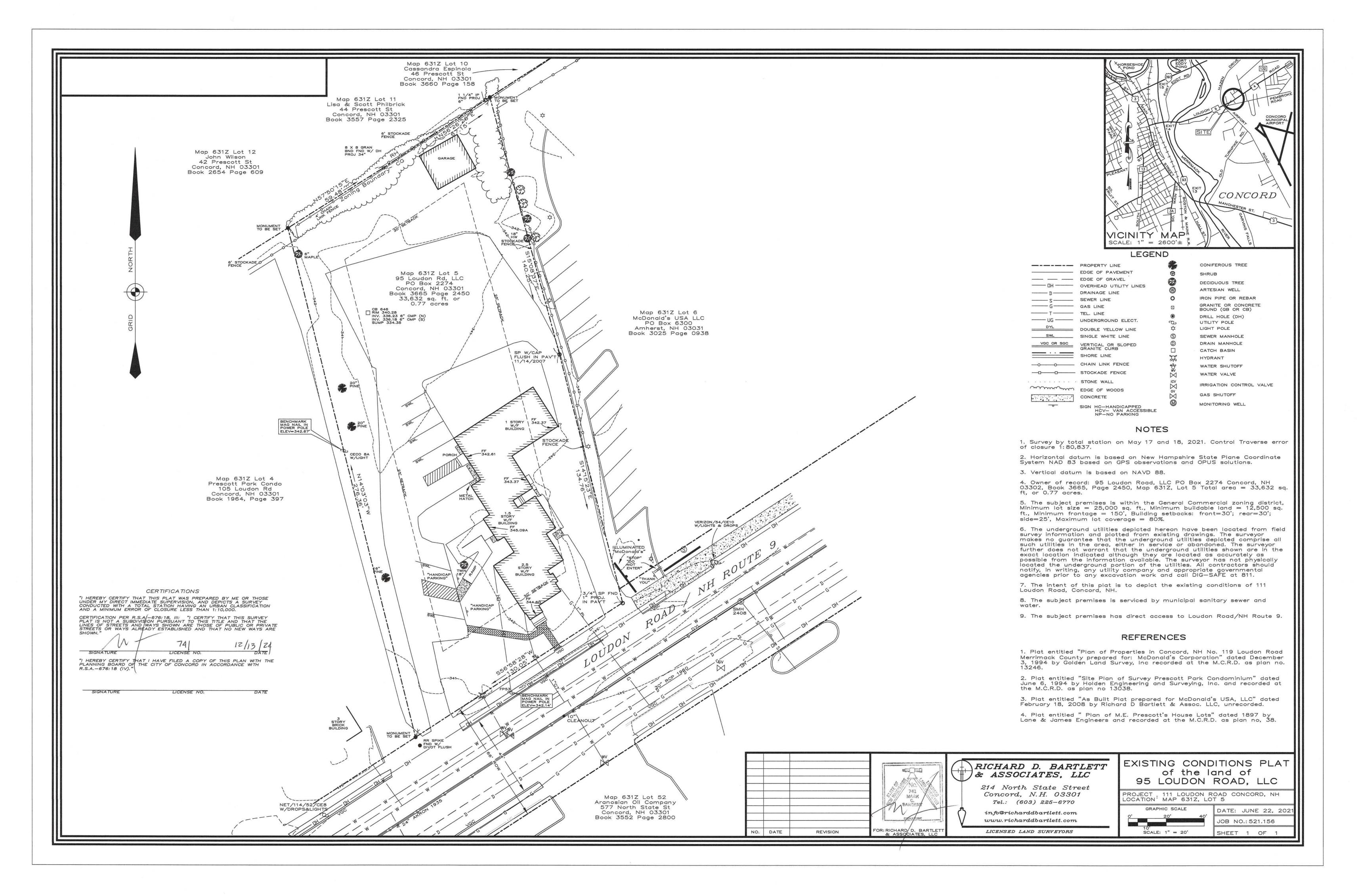
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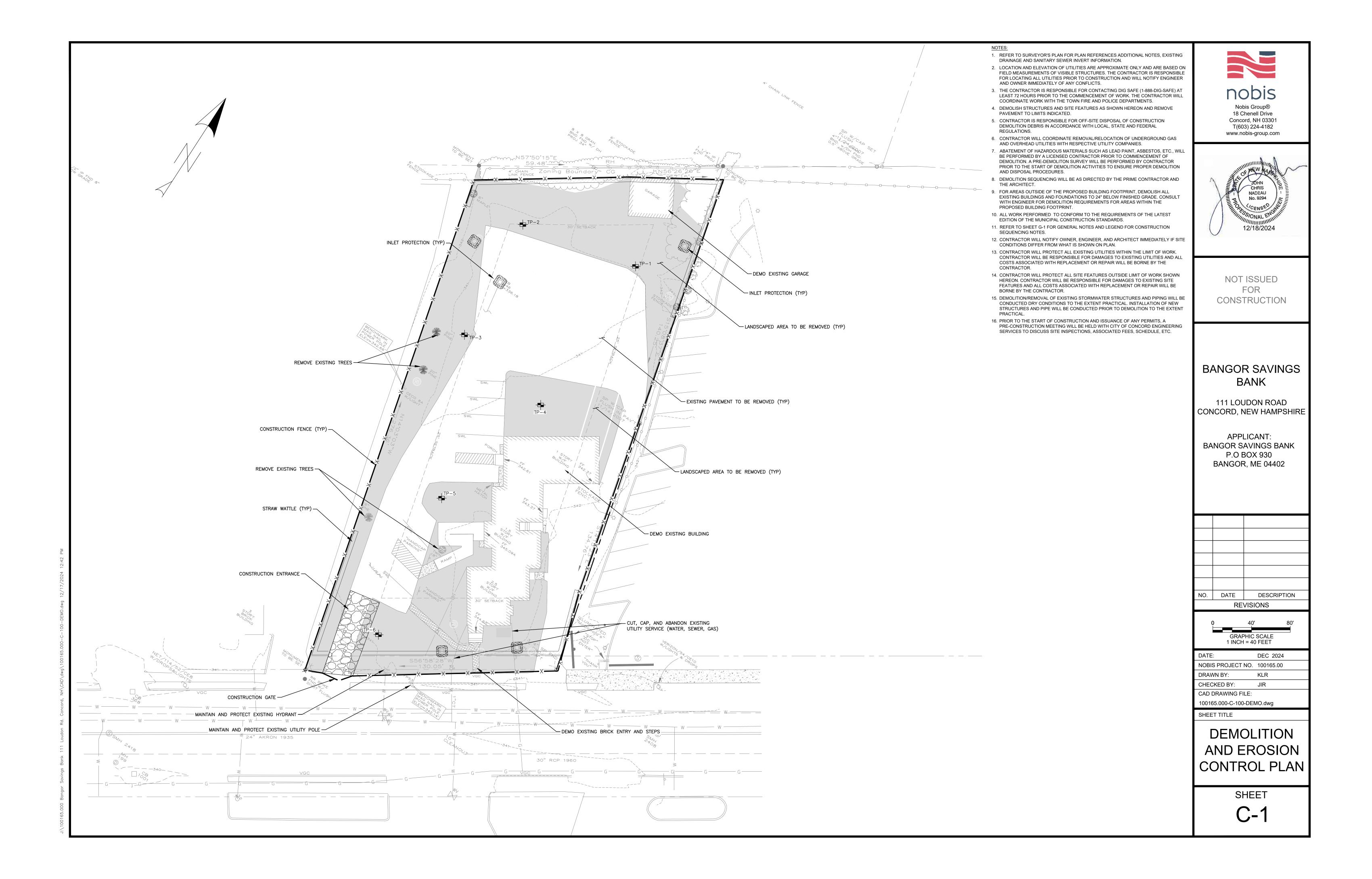
AND TREATMENT SWALES. LL LOCATION 6. REMOVE AND TEMPORARILY STOCKPILE LOAM AND TOPSOIL FOR REUSE, IF NEEDED, ON SITE. SEED AND/OR MULCH STOCKPILES AND ENCIRCLE WITH SILT FENCE. / DIRECTION 7. CONDUCT ALL UNDERGROUND UTILITY STRUCTURE AND PIPING INSTALLATION, BACKFILL, AND COMPACTING. 8. CONSTRUCT BUILDING FOUNDATION. 9. PLACE AND COMPACT NEW GRAVEL COURSES IN THE PARKING, LOADING, SIDEWALK, AND GRAVEL ACCESS DRIVE AREAS. 10. PLACE, GRADE, AND STABILIZE DISTURBED AREAS WITH TEMPORARY SEEDING AND MULCHING. 11. BEGIN CONSTRUCTION OF BUILDING AND REMAINING SITE WORK. 12. PLACE PAVEMENT COURSES, SIDEWALKS, AND CURBING. 13. ALL CUT AND FILL SLOPES SHALL BE STABILIZED, LOAMED, SEEDED, AND MULCHED. 14. COMPLETE PERMANENT SEEDING AND LANDSCAPING IN ACCORDANCE WITH THE LANDSCAPE DESIGN AND DETAILS. 15. SWEEP COMPLETED PAVEMENT AND CLEAN OUT CATCH BASINS AND DRAINAGE PIPES DURING CONSTRUCTION CLOSE-OUT PROCEDURES. PROPERLY DISPOSE OF COLLECTED SEDIMENT AND DEBRIS. 16. REMOVE TEMPORARY EROSION CONTROL MEASURES AND PROPERLY DISPOSE OF FOLLOWING CONSTRUCTION AND ONCE FULL GROUND COVER HAS BEEN ESTABLISHED.

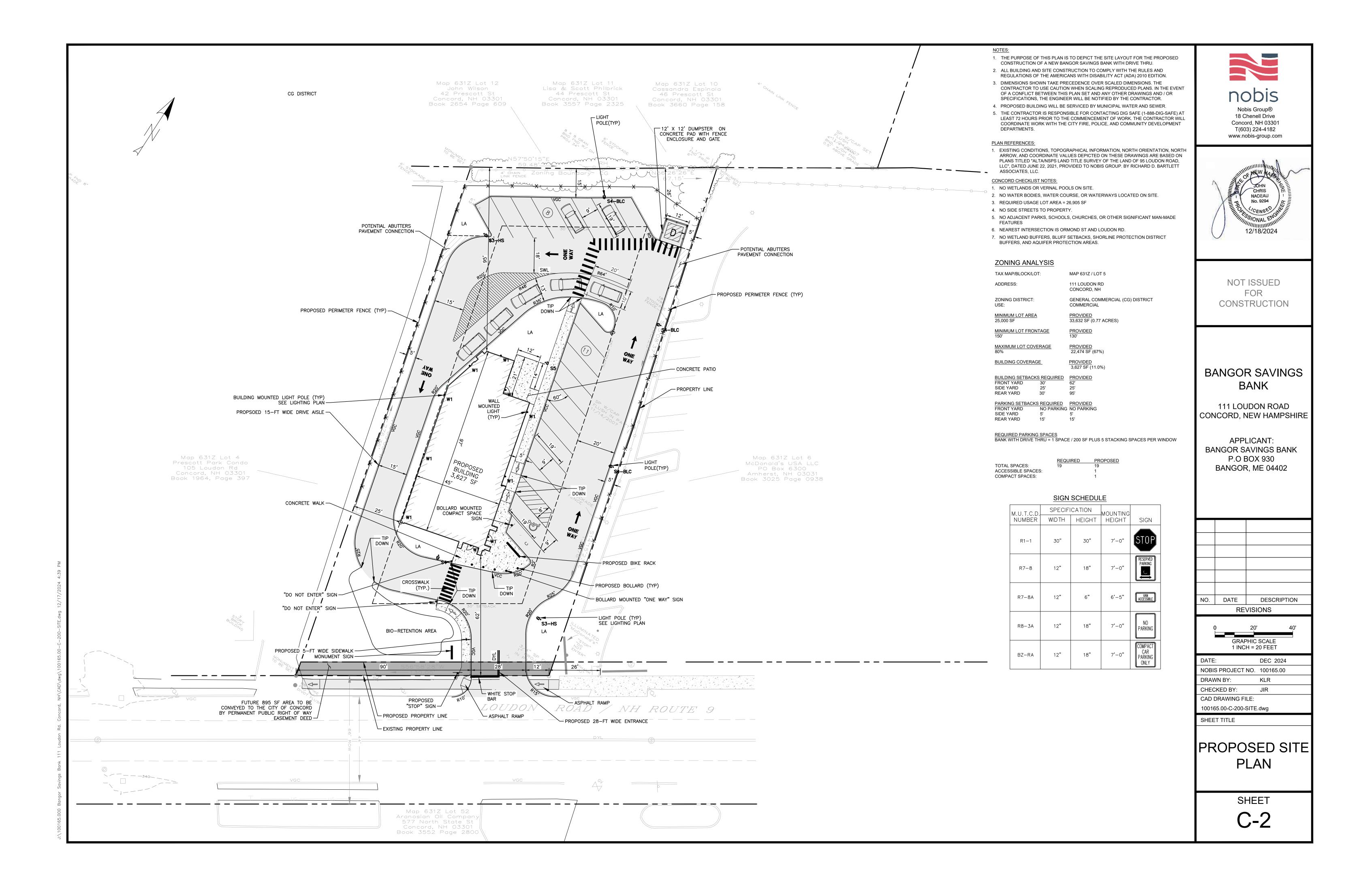
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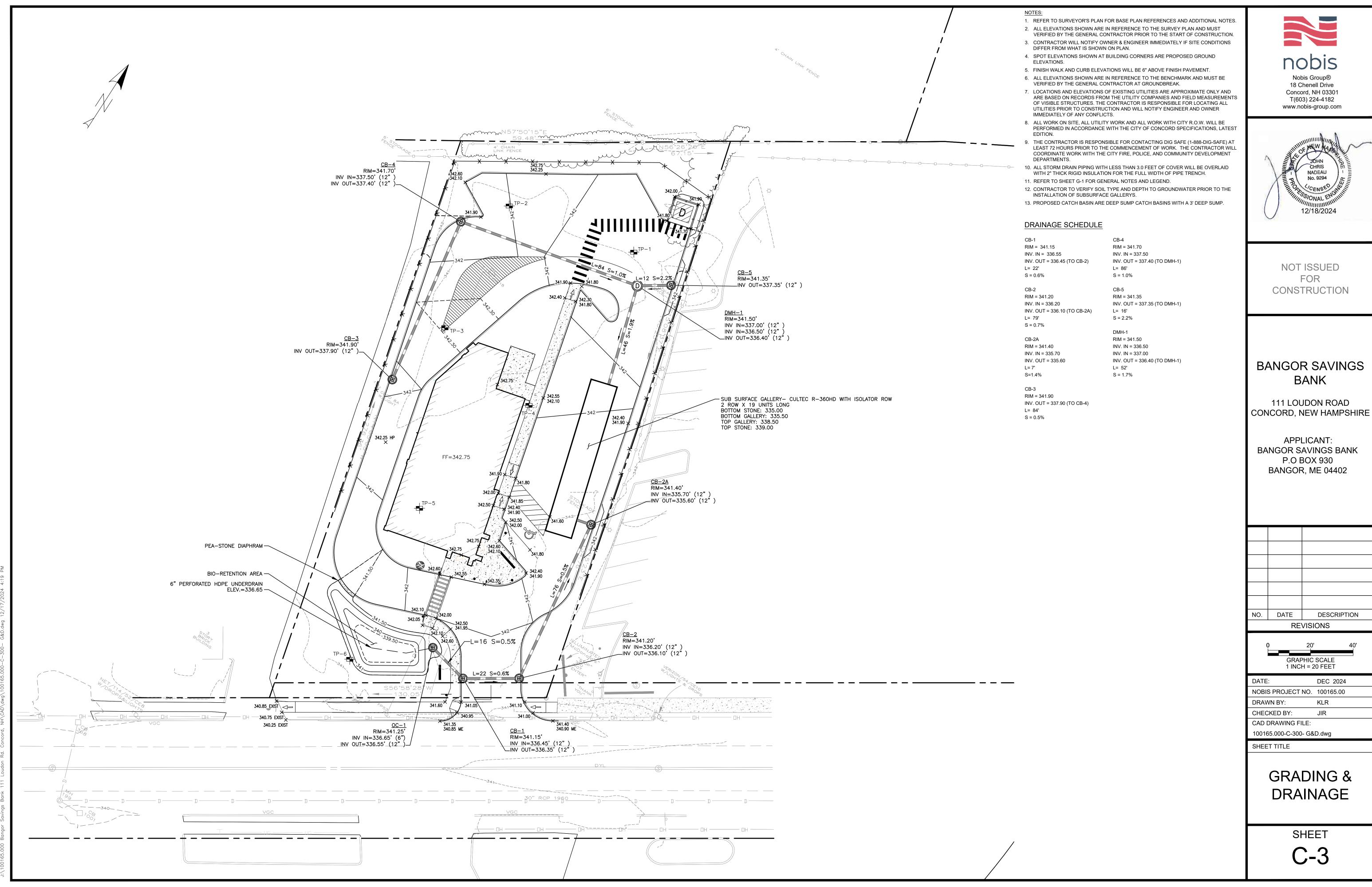
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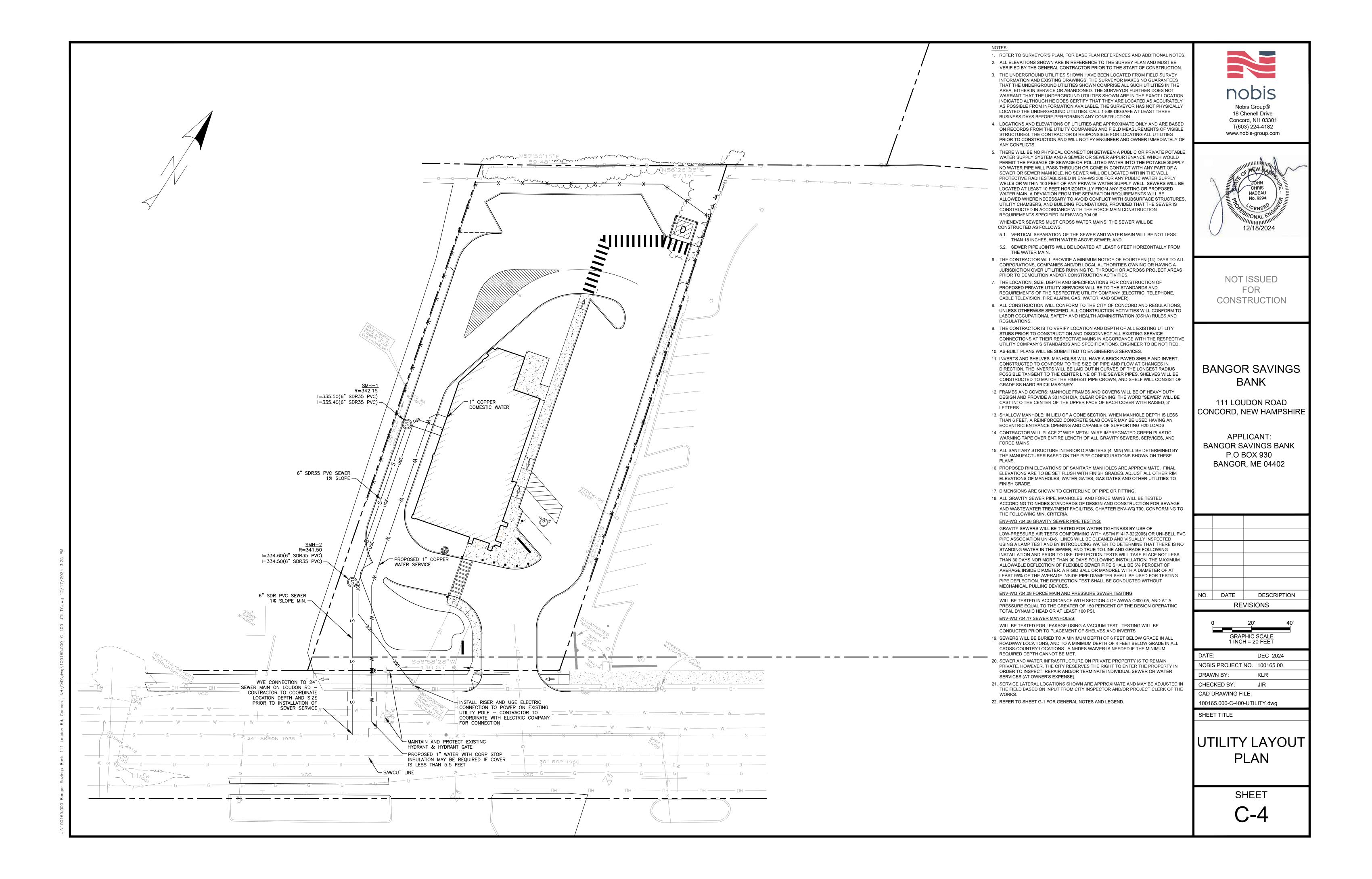
- ALL OBSERVATIONS OF THREATENED OR ENDANGERED SPECIES ON THE PROJECT SHALL BE REPORTED IMMEDIATELY TO THE NHF&G NONGAME AND ENDANGERED WILDLIFE ENVIRONMENTAL REVIEW PROGRAM BY PHONE AT 603-271-2461 AND BY EMAIL AT NHFGreview@wildlife.nh.gov, WITH THE EMAIL SUBJECT LINE CONTAINING THE NHB DATACHECK TOOL
- RESULTS LETTER ASSIGNED NUMBER, THE PROJECT NAME, AND THE TERM WILDLIFE SPECIES OBSERVATION. 2. PHOTOGRAPHS OF THE OBSERVED SPECIES AND NEARBY ELEMENTS OF HABITAT OR AREAS OF LAND DISTURBANCE SHALL BE PROVIDED TO NHF&G IN DIGITAL FORMAT AT THE ABOVE EMAIL ADDRESS FOR VERIFICATION, AS FEASIBLE. 3. 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 NHF&G AND IMPLEMENTATION OF CORRECTIVE ACTIONS RECOMMENDED BY NHF&G, IF ANY, TO ASSURE THE PROJECT DOES NOT APPRECIABLY JEOPARDIZE THE CONTINUED EXISTENCE OF THREATENED AND ENDANGERED SPECIES AS DEFINED IN FIS 1002.04
- 4. THE NHF&G, INCLUDING IT EMPLOYEES AND AUTHORIZED AGENTS, SHALL HAVE ACCESS TO THE PROPERTY DURING THE TERM OF THE PERMIT.

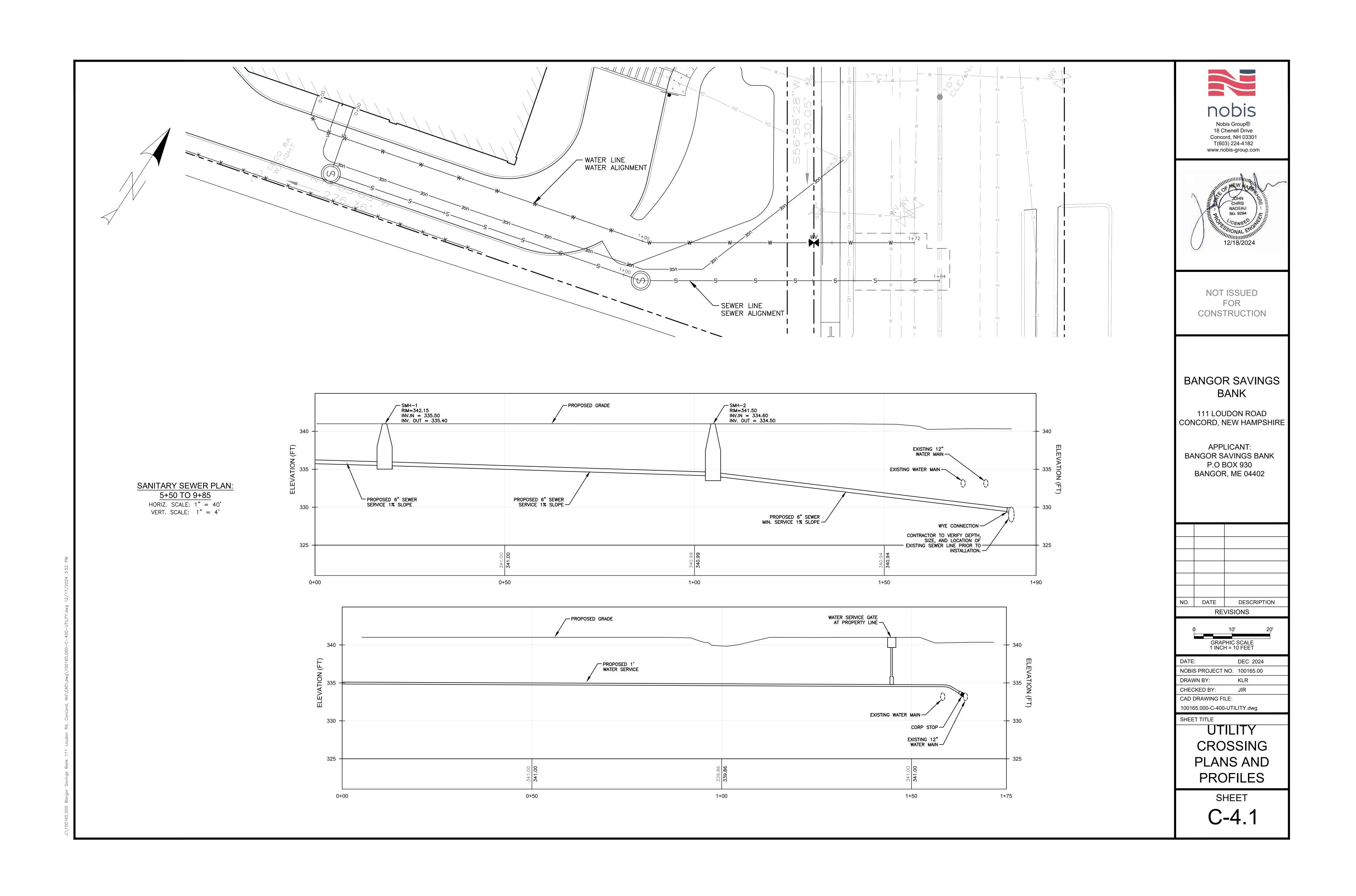


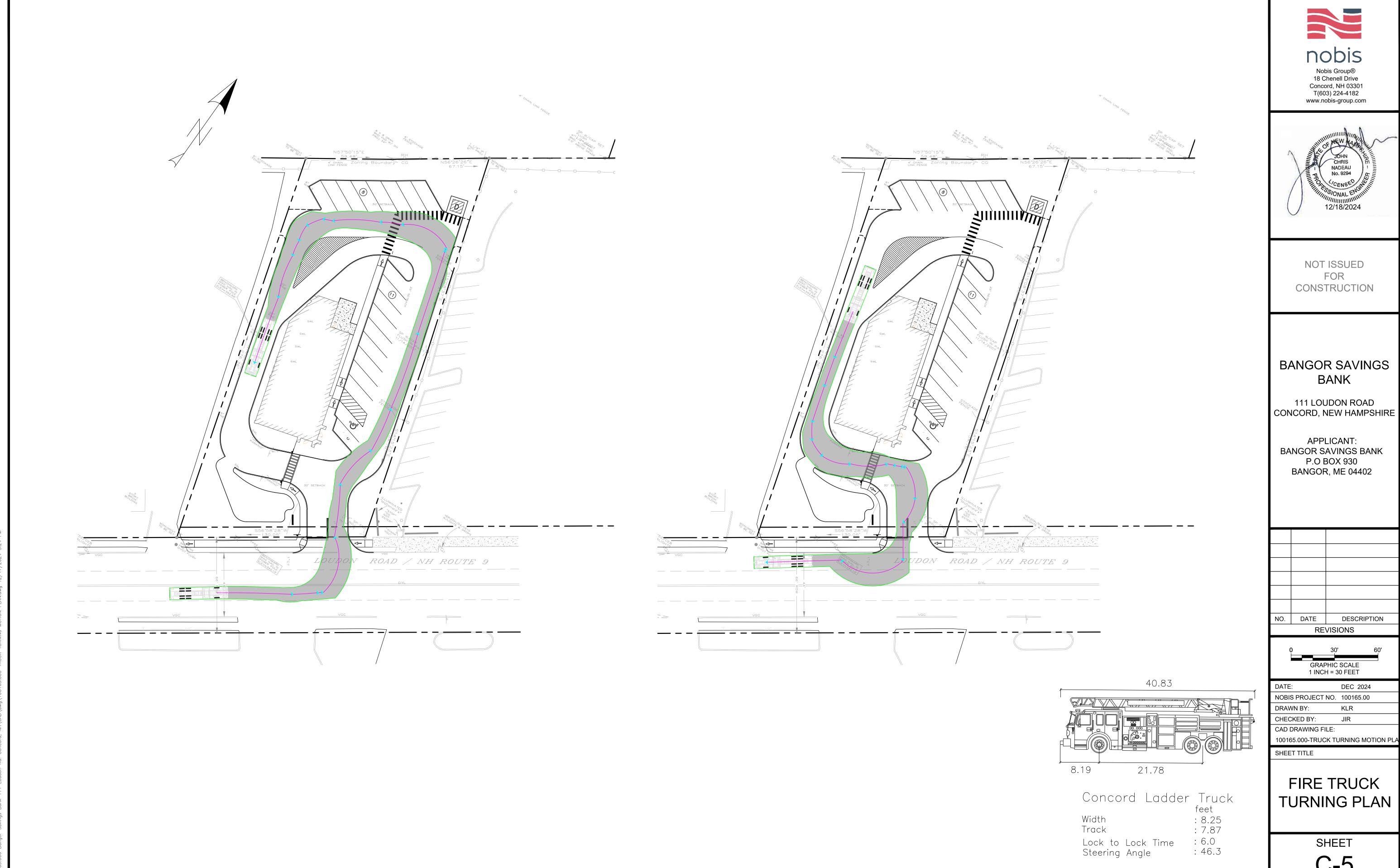




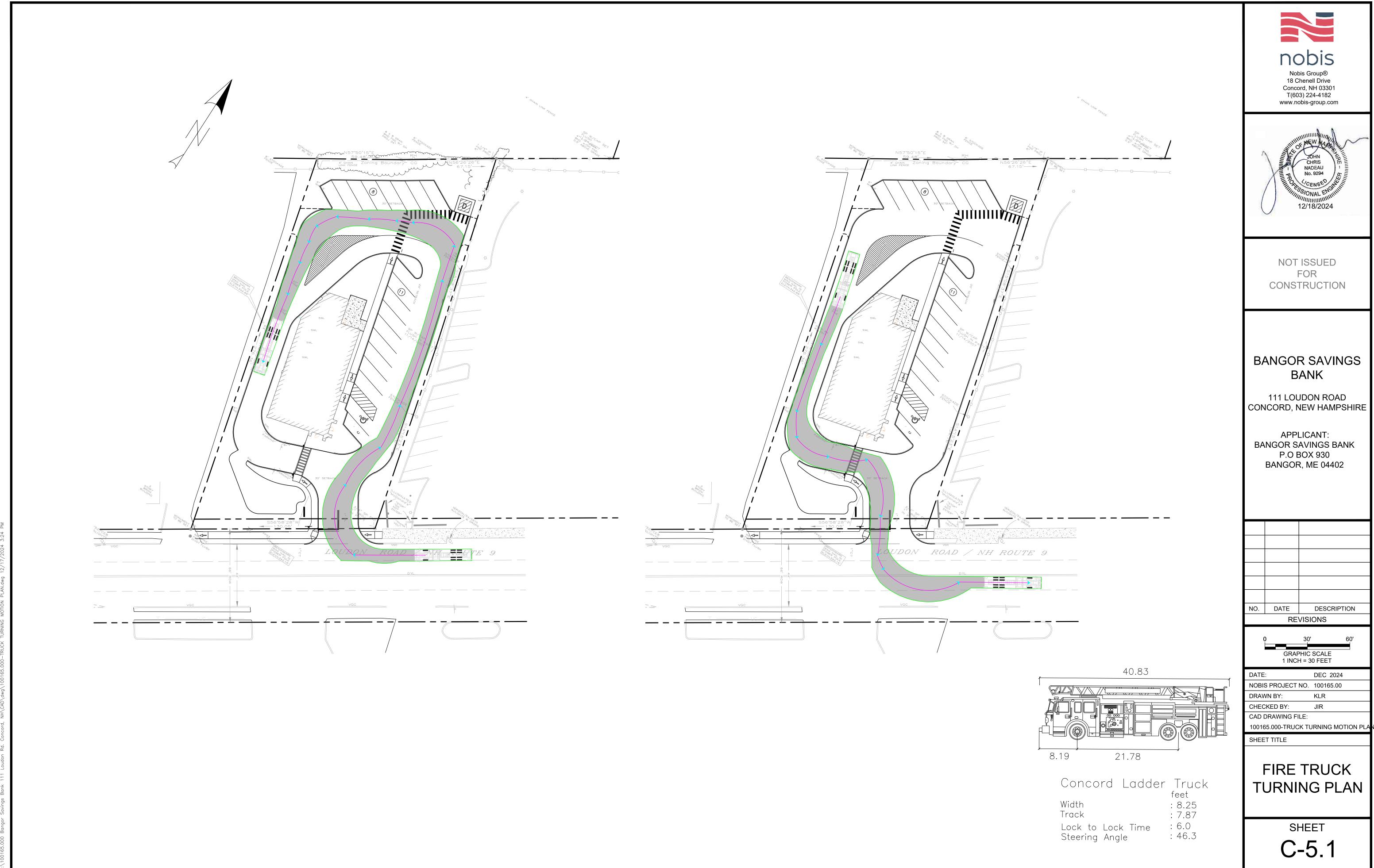




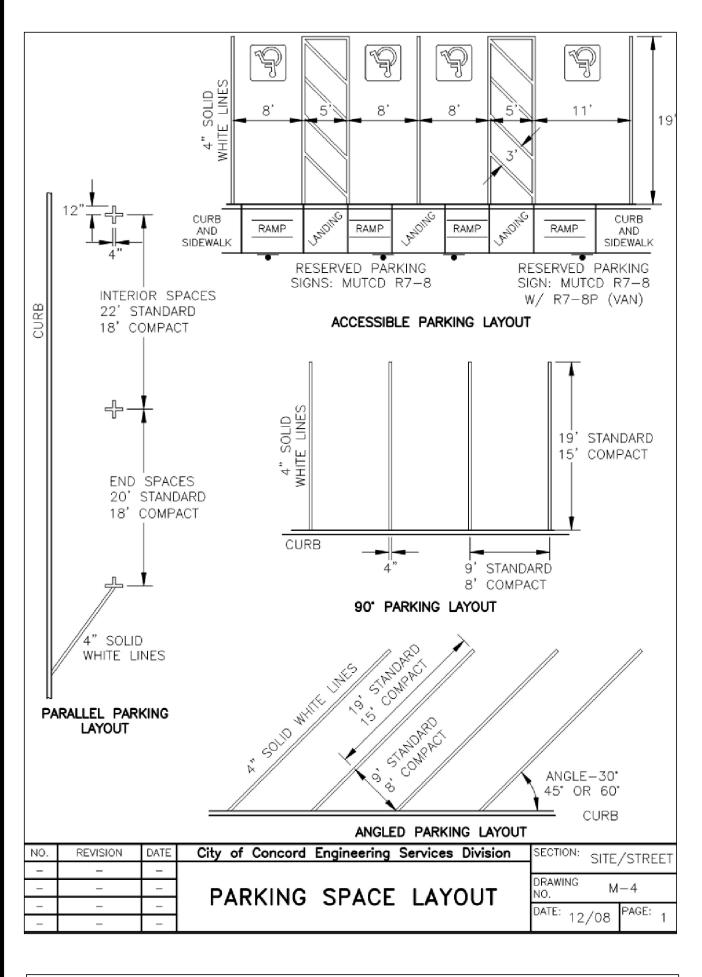


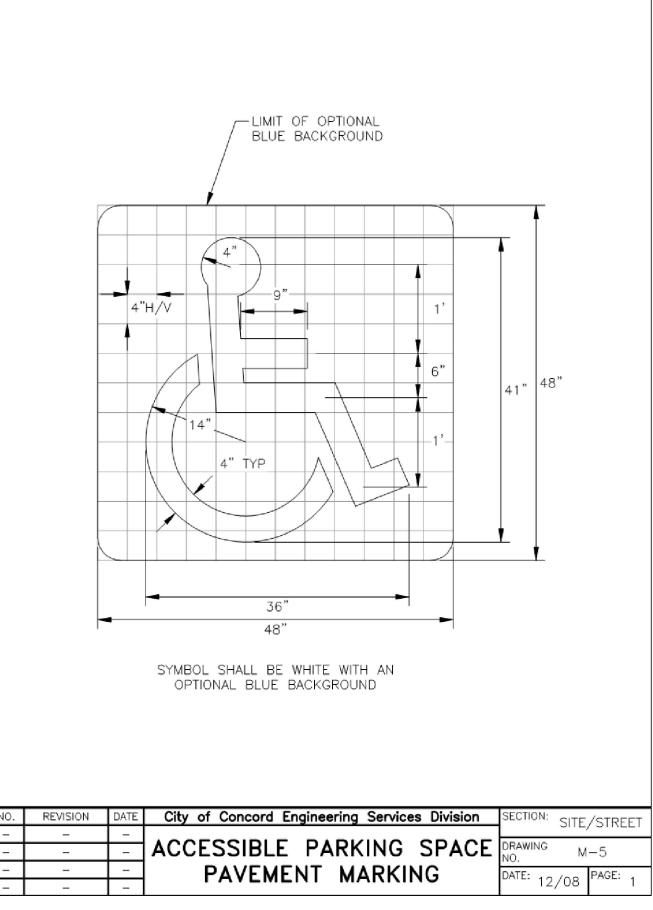


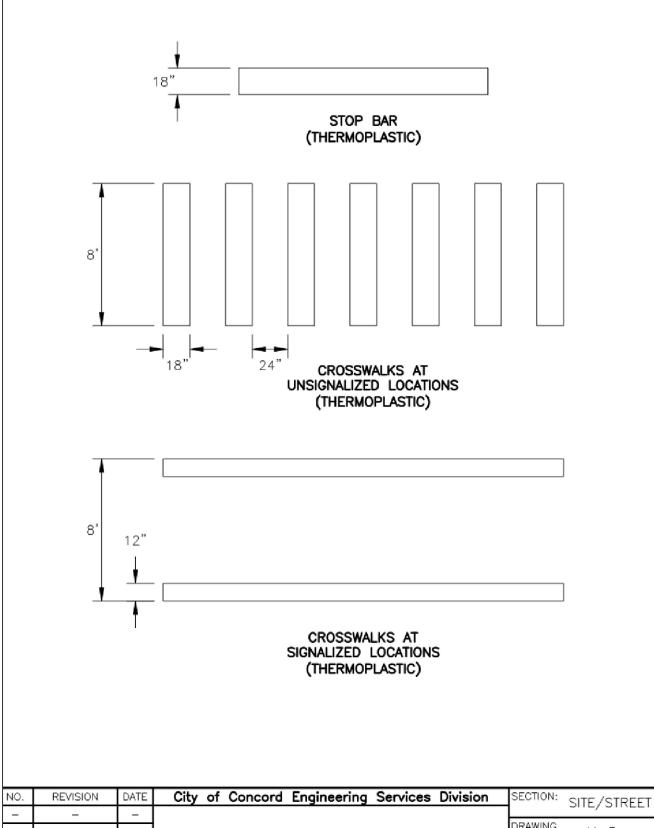
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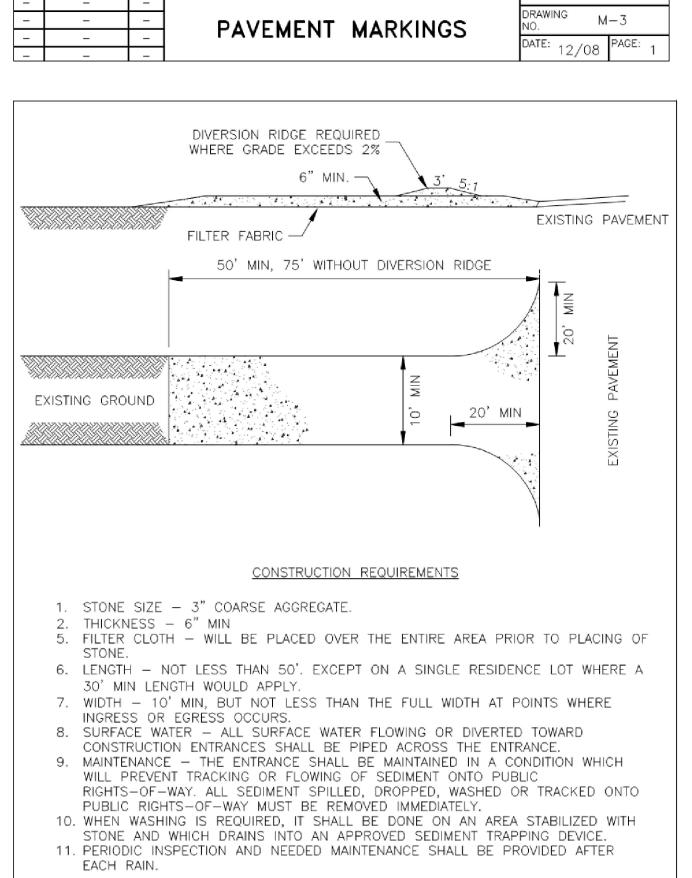


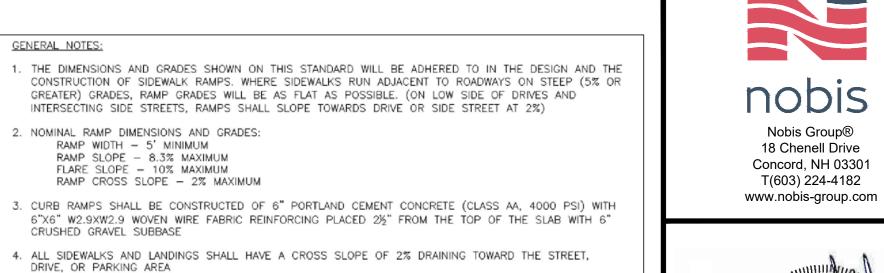
Panaga Sanjara Rank 111 Landon Rd Concord NH\CAD\dwa\100165 000_TRIICK TURNING MOTION PLAN dwa 1













NOT ISSUED CONSTRUCTION

BANGOR SAVINGS BANK

111 LOUDON ROAD CONCORD, NEW HAMPSHIRE

APPLICANT: BANGOR SAVINGS BANK P.O BOX 930 BANGOR, ME 04402

NO. DATE

DATE:

DRAWN BY:

CHECKED BY:

SHEET TITLE

CAD DRAWING FILE:

DESCRIPTION

DEC 2024

KLR

JIR

REVISIONS

SCALE:

AS NOTED

NOBIS PROJECT NO. 100165.00

100165.000-C-700-DETAILS.dwg

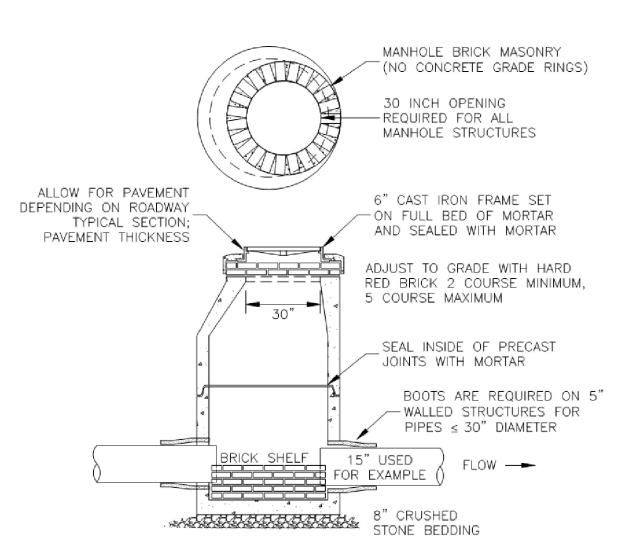
CONSTRUCTION

DETAILS

SHEET

CR-2

DATE: 12/08 PAGE: 1



5. A LEVEL LANDING (NO GREATER THAN 2% SLOPE IN ANY DIRECTION) SHALL BE PROVIDED AT THE TOP OF

6. LEVEL LANDINGS (NO GREATER THAN 2% SLOPE IN ANY DIRECTION) AT THE BOTTOM OF PERPENDICULAR

7. DUMMY JOINTS SHALL BE PROVIDED AT TRANSITIONS (GRADE CHANGES) AT TOPS AND BOTTOMS OF

8. VERTICAL DROP-OFF EDGES TO RAMPS WILL NOT BE BUILT UNLESS THE RAMP ABUTS AN AREA WHICH

10. AT MARKED CROSSWALKS, THE FULL WIDTH OF THE RAMP OR LANDING SHALL BE CONTAINED WITHIN THE

11. RAMP FLARES SHOULD BE LOCATED OUTSIDE THE DIRECT LINE OF TRAVEL MOST LIKELY TO BE FOLLOWED

12. SIGNS, POLES, PLANTERS, MAILBOXES, ETC., SHALL NOT BE LOCATED WHERE THEY WILL INTERFERE WITH

13. SIDEWALK RAMPS SHALL NOT BE LOCATED WHERE USERS MUST CROSS DROP INLET GRATES, MANHOLE COVERS, OR OTHER ACCESS LIDS. IF THIS CANNOT BE AVOIDED THEN GRATE DESIGN AND PLACEMENT

14. CURB DRAINAGE SHOULD BE CONSTRUCTED SO AS TO PRECLUDE THE FLOW OF WATER PAST THE

15. WHEREVER FEASIBLE, TWO SIDEWALK RAMPS ARE RECOMMENDED IN PREFERENCE TO A SINGLE RAMP

18. THE PUBLIC SIDEWALK CURB RAMP STANDARDS DEPICTED HERE MAY NOT BE APPROPRIATE FOR ALL LOCATIONS. FIELD CONDITIONS AT INDIVIDUAL LOCATIONS MAY REQUIRE SPECIFIC DESIGNS. DESIGNS MUST BE CONSISTENT WITH THE PROVISIONS OF THIS SHEET TO THE MAXIMUM EXTENT FEASIBLE ON ALTERATION PROJECTS AND WHEN STRUCTURALLY PRACTICABLE ON NEW CONSTRUCTION PROJECTS AS REQUIRED BY

City of Concord Engineering Services Division

SIDEWALK RAMP GENERAL

16. SIDEWALKS THAT ARE LESS THAN 5' WIDE REQUIRE 5' WIDE BY 5' LONG PASSING AREAS (NO GREATER

SIDEWALK RAMPS TO ALLOW FOR STOPPING AND MANEUVERING OF WHEELCHAIRS

9. A 1/4" CURB REVEAL WILL BE PROVIDED WHERE THE RAMP ADJOINS THE ROADWAY

RAMPS SHALL BE WHOLLY CONTAINED WITHIN MARKED CROSSWALKS

WILL NOT BE USED BY PEDESTRIANS

SHALL CONFORM TO ADA REQUIREMENTS

THAN 2% CROSS SLOPE) AT INTERVALS NOT TO EXCEED 200'

THE U.S. ACCESS BOARD FOR PUBLIC RIGHTS-OF-WAY.

BY THE VISUALLY IMPAIRED

17. E.O.P. = EDGE OF PAVEMENT

REVISION DATE

NOTE 18 5.

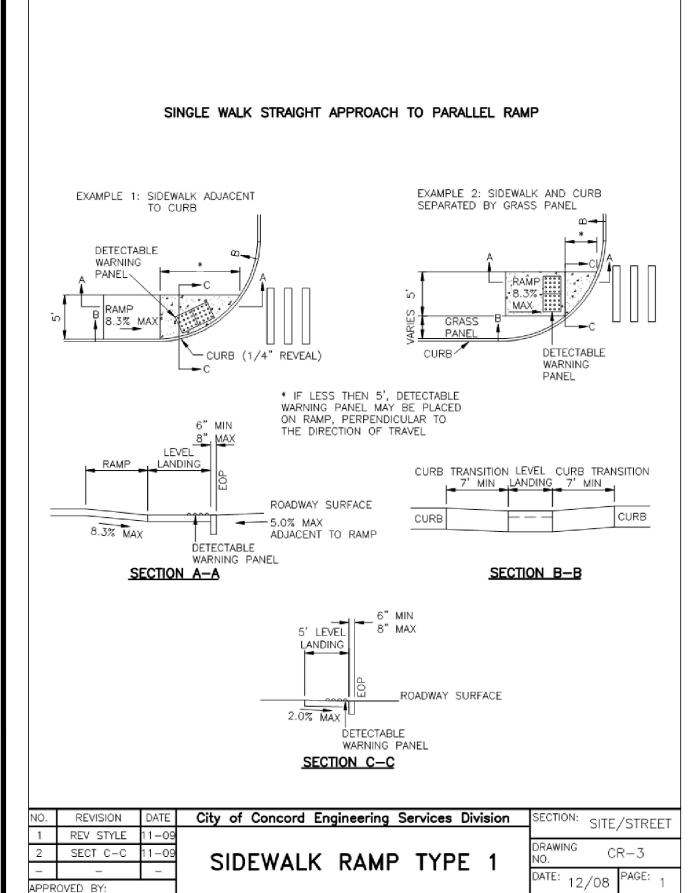
1 REV STYLE 11

NOTES:

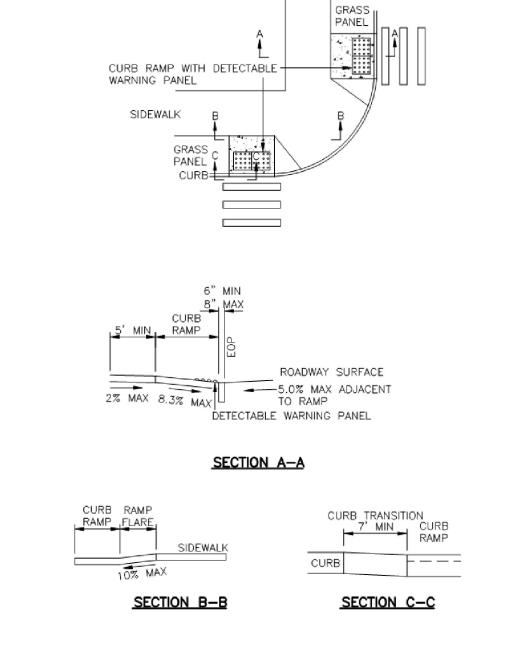
GENERAL NOTES:

- 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

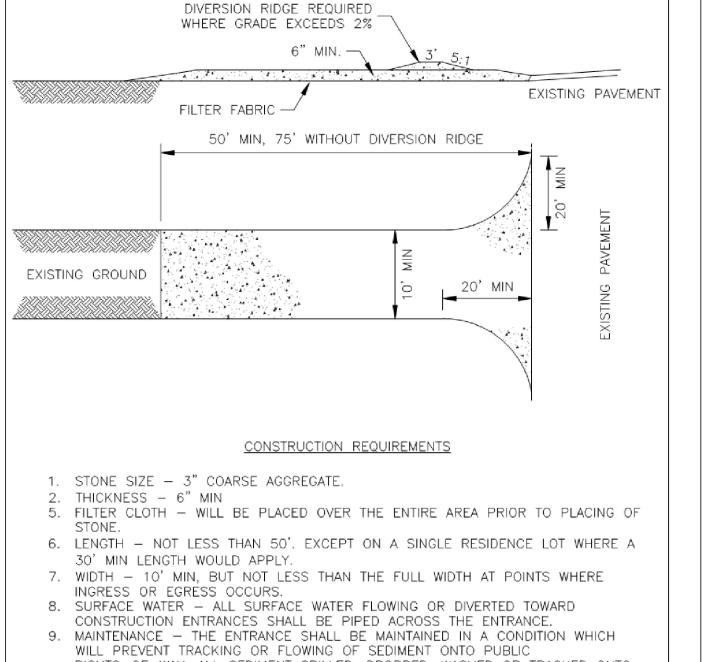
NO.	REVISION	DATE	City of Concord Engineering Services Division	SECTION: STORM DRAIN
1	DRAFTING	11.11		
2	ADDED INLET	12.15	STORM DRAIN MANHOLE	DRAWING SD-2
ï	-	-	STORM DRAIN MANHOLE	DATE: DACE:
_	_			12/08 FAGE. 1



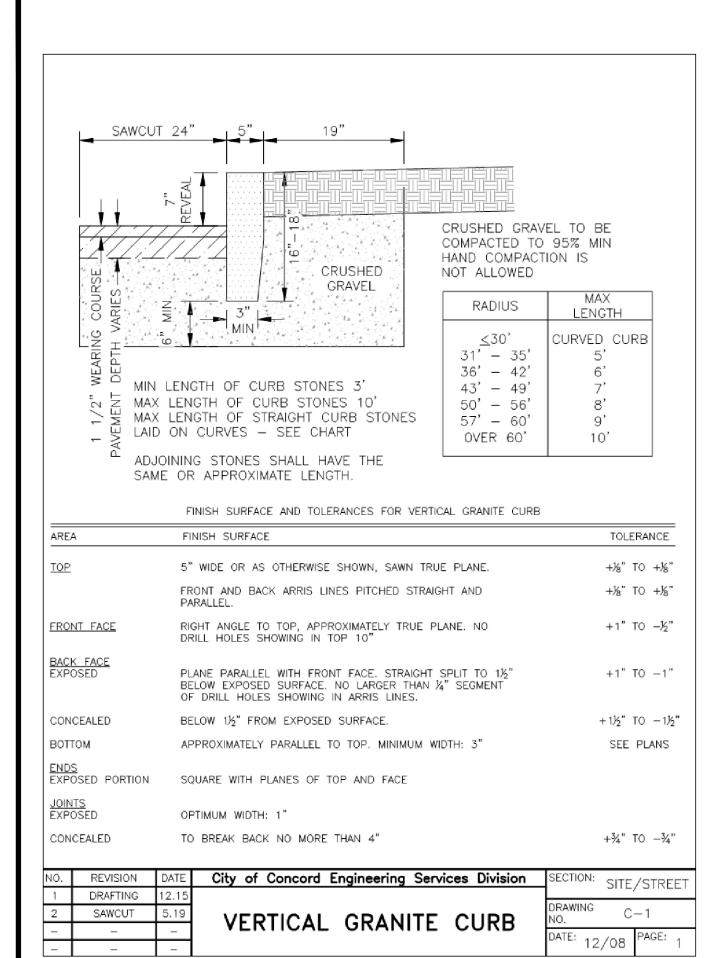


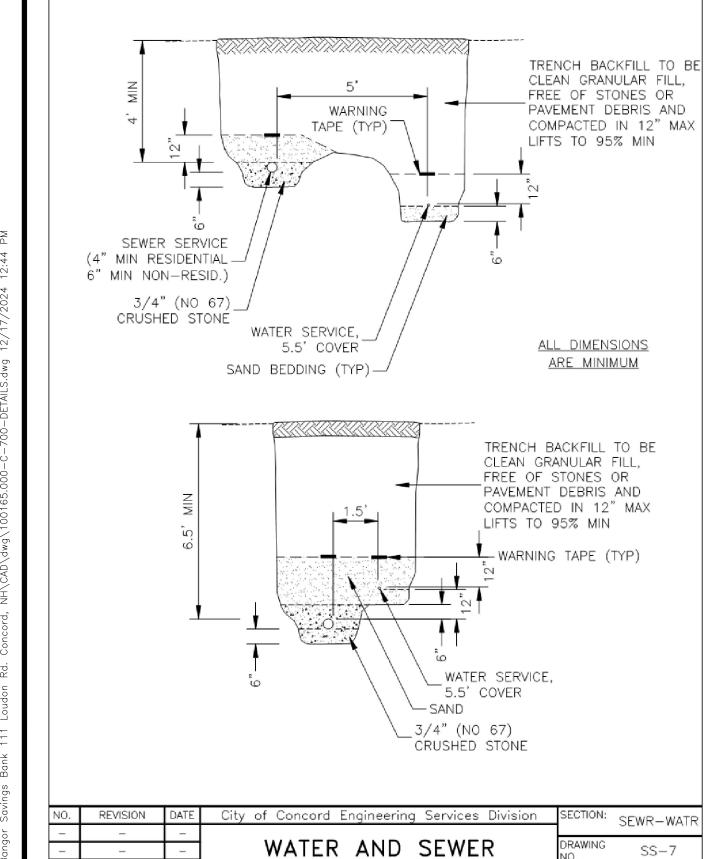


NO.	REVISION	DATE	City of Concord Engineering Service	s Divis	sion	SECTION:	SITE/STREET
1	REV STYLE	11-09					0112/ 011KEE1
_	-	-	SIDEWALK RAMP TY	PF		DRAWING NO.	CR-6
_	_	-	SIDEWALK KAMI III	· L ·	+	DATE: 10	/08 PAGE: 1
ADDD	OVED BY-	l				12	/08



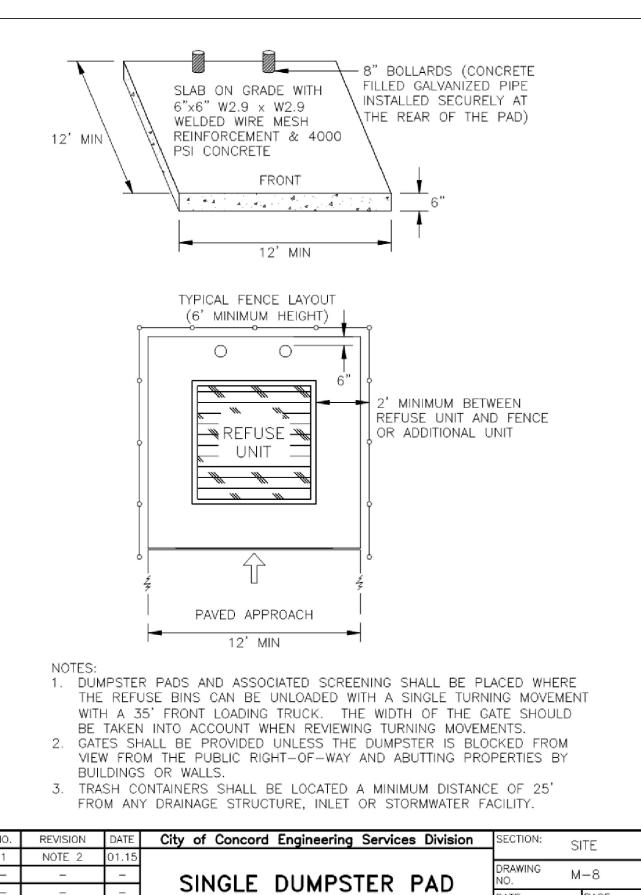
NO.	REVISION	DATE	City of Concord Engineering Services Division	SECTION: EPSC	
1	-	-			_
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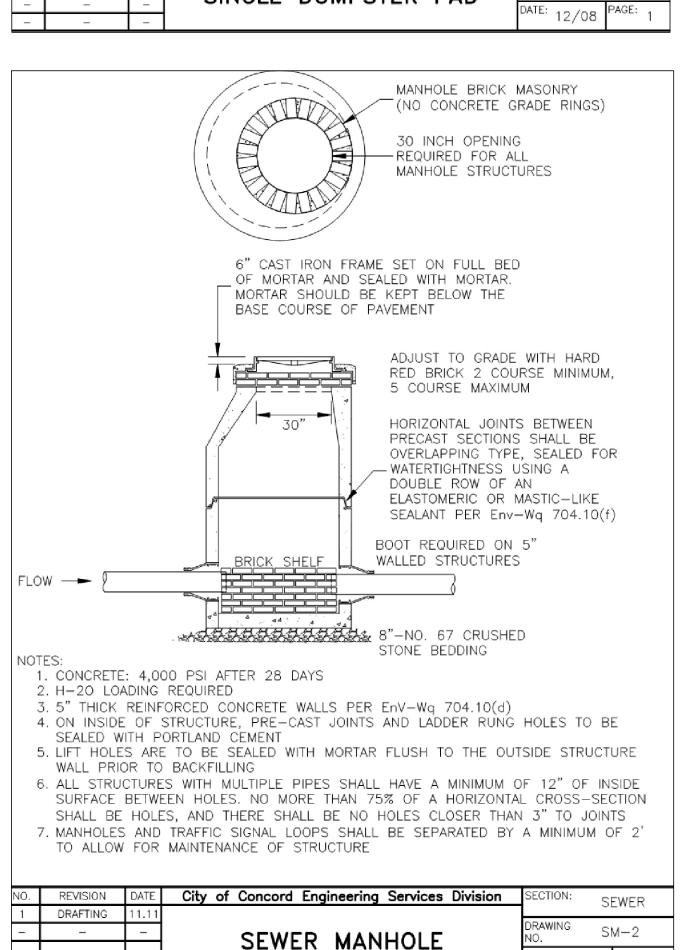


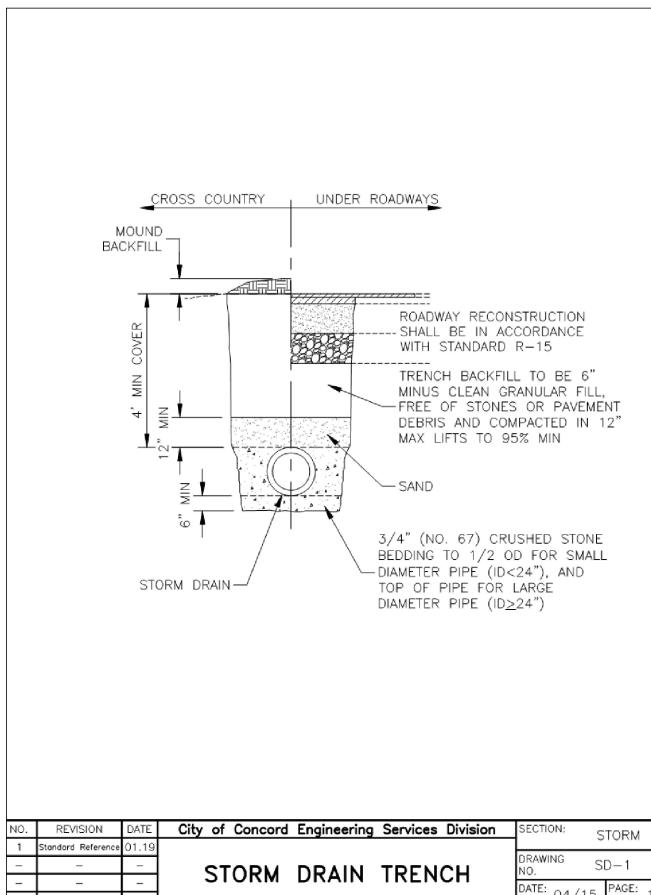


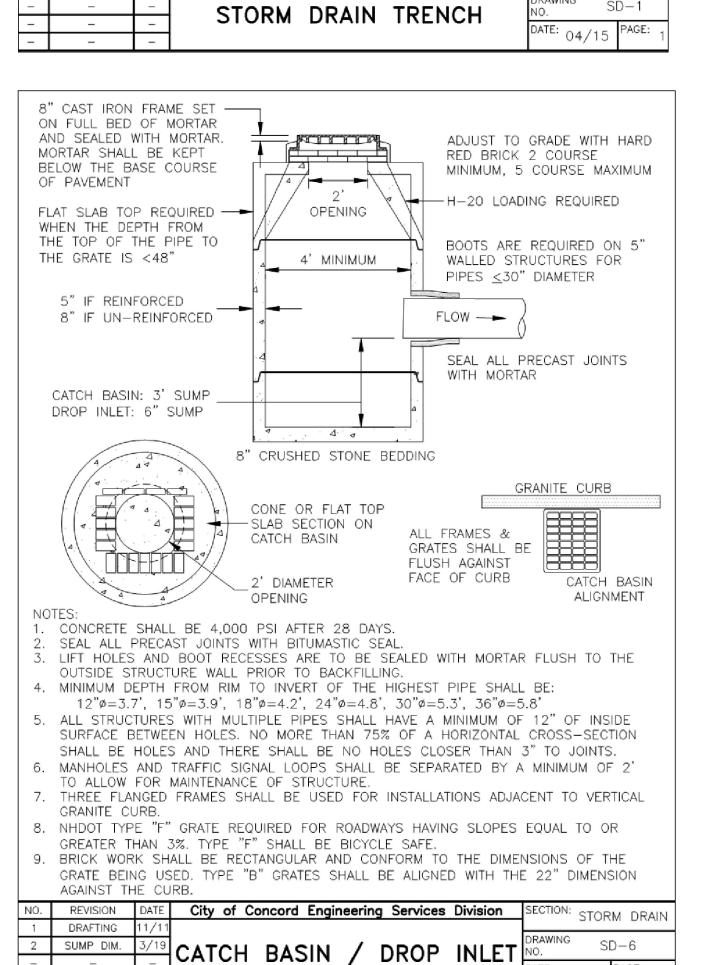
SERVICE TRENCH

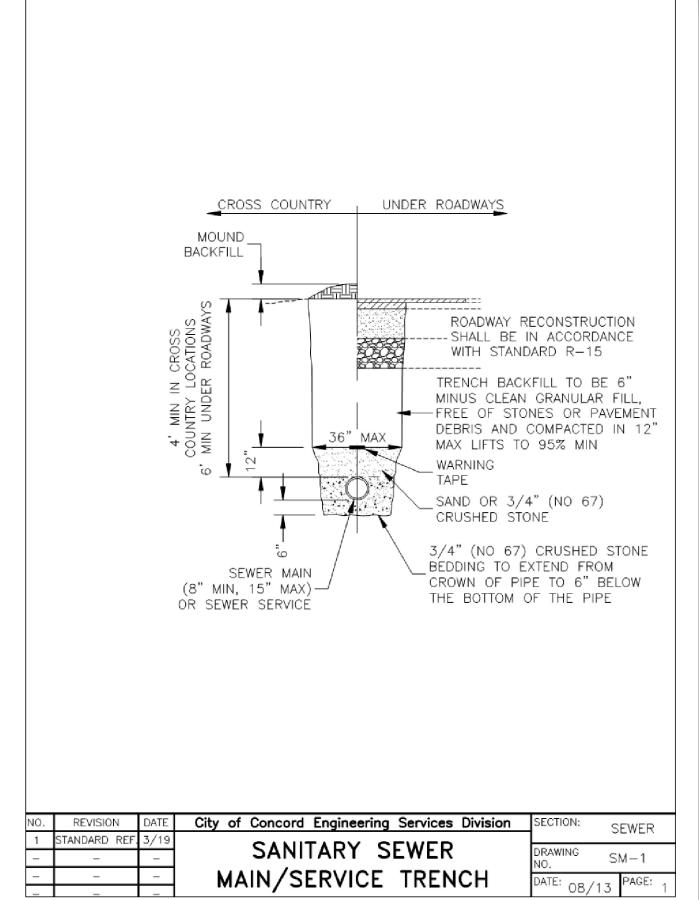
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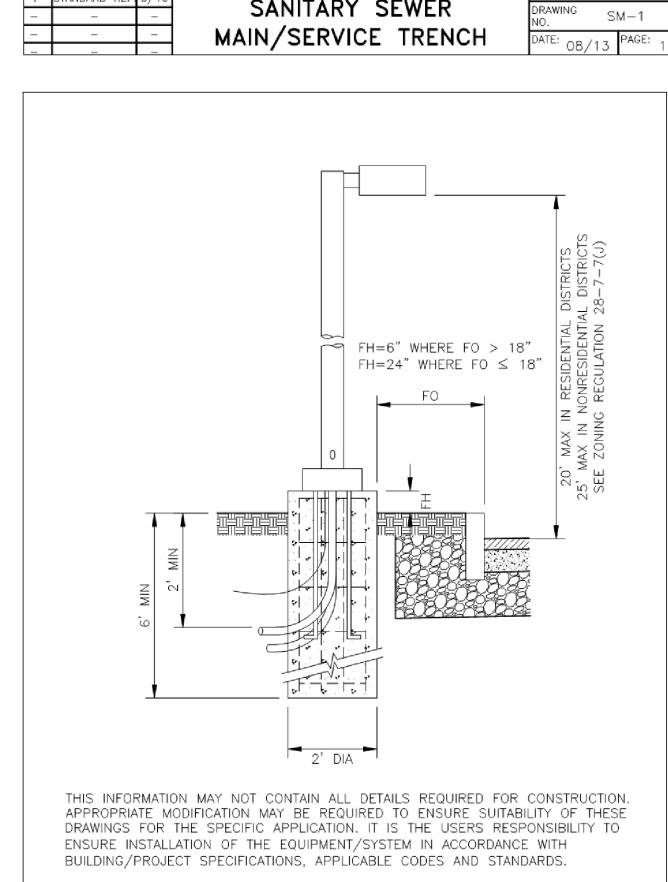












City of Concord Engineering Services Division SECTION: ROADWAY

M - 13

DATE: 01/14 PAGE:

TYPICAL LIGHT POLE

AND FOUNDATION

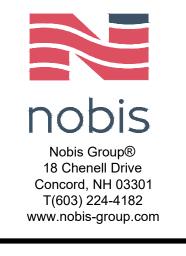
REVISION DATE

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12/08 PAGE:



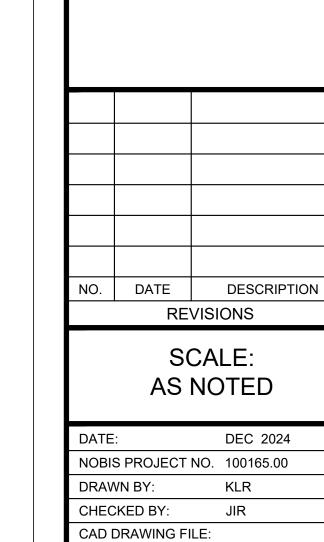


NOT ISSUED FOR CONSTRUCTION

BANGOR SAVINGS BANK

111 LOUDON ROAD CONCORD, NEW HAMPSHIRE

APPLICANT: BANGOR SAVINGS BANK P.O BOX 930 BANGOR, ME 04402

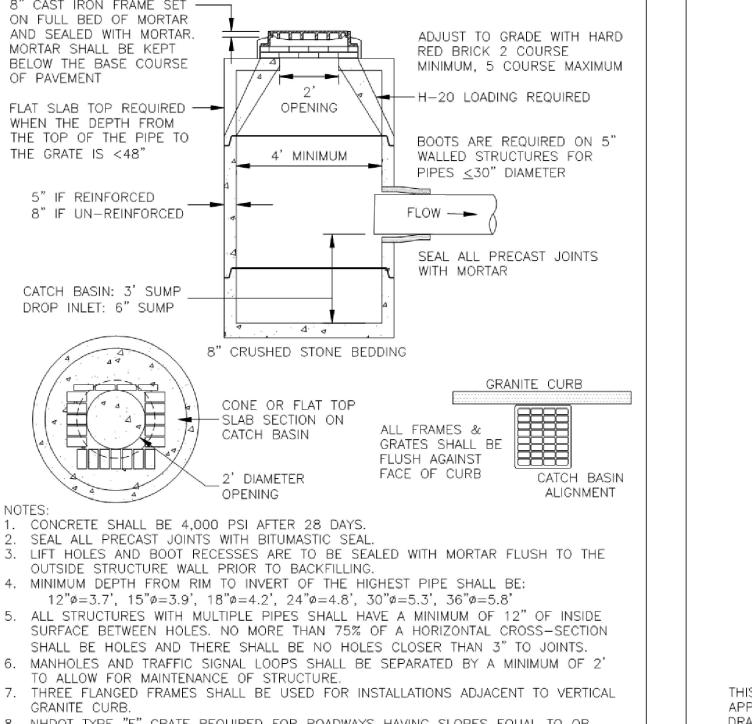


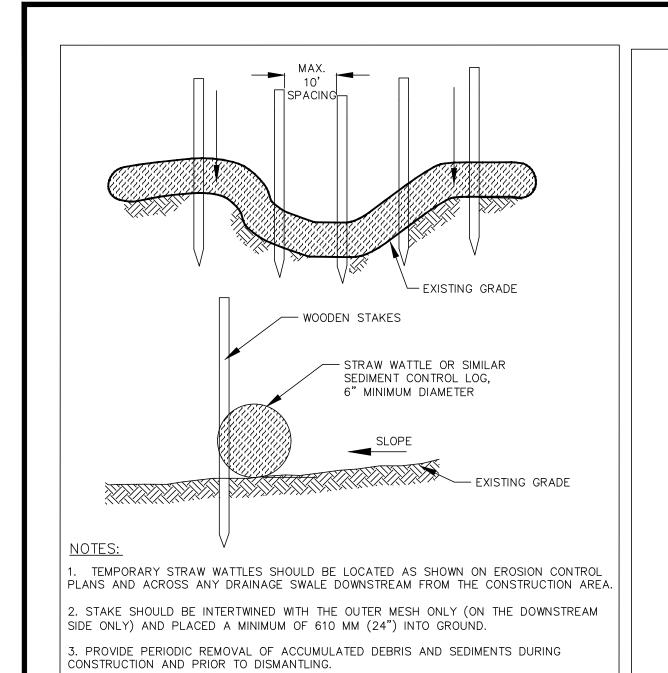
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SHEET TITLE

CONSTRUCTION **DETAILS**

SHEET C-6.1





4. STRAW WATTLES ARE TO USE AT NON-PAVEMENT AREA IF NEEDED.

4" (MIN) HOT BITUMINOUS PAVEMENT

6" CRUSHED GRAVEL (NHDOT 304.3) ----

12" GRAVEL (MIN) (NHDOT 304.2) ——

1.5" WEARING COURSE (MAX. AGGREGATE SIZE 1/2")

2.5" BASE COURSE (MAX. AGGREGATE SIZE 3")

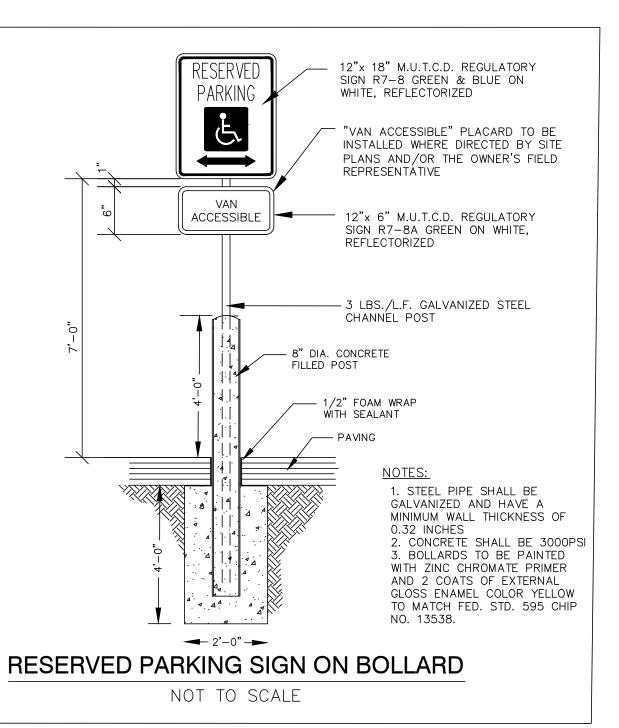
TEMPORARY STRAW WATTLE

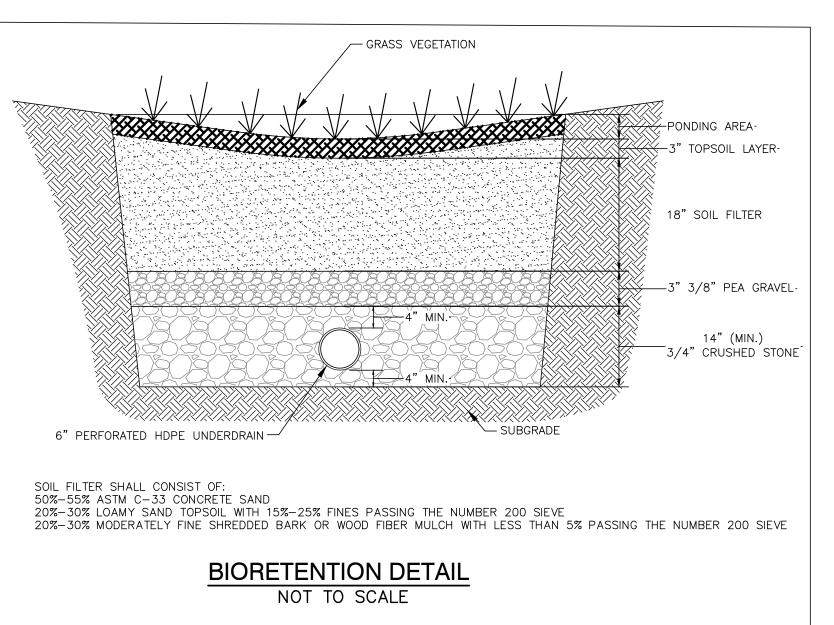
NOT TO SCALE

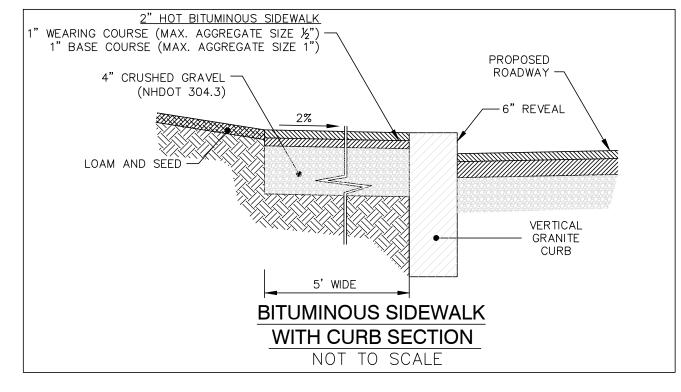
COMMON BÖRROW OR NATIVE GROUND

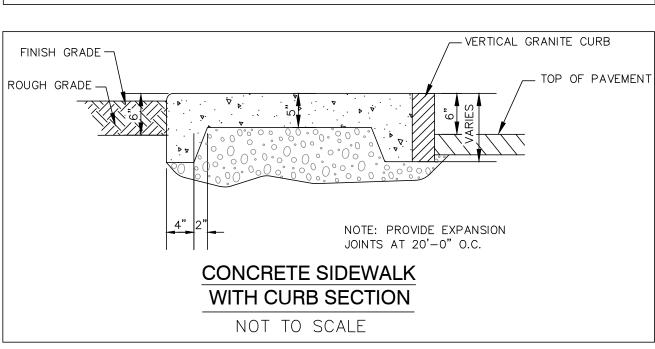
TYPICAL NEW PARKING SECTION

NOT TO SCALE











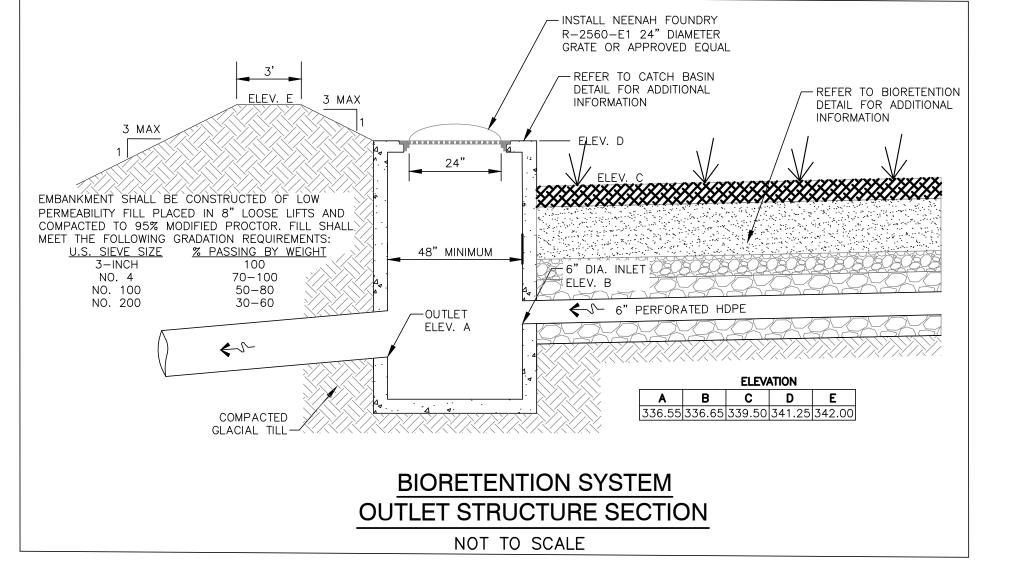


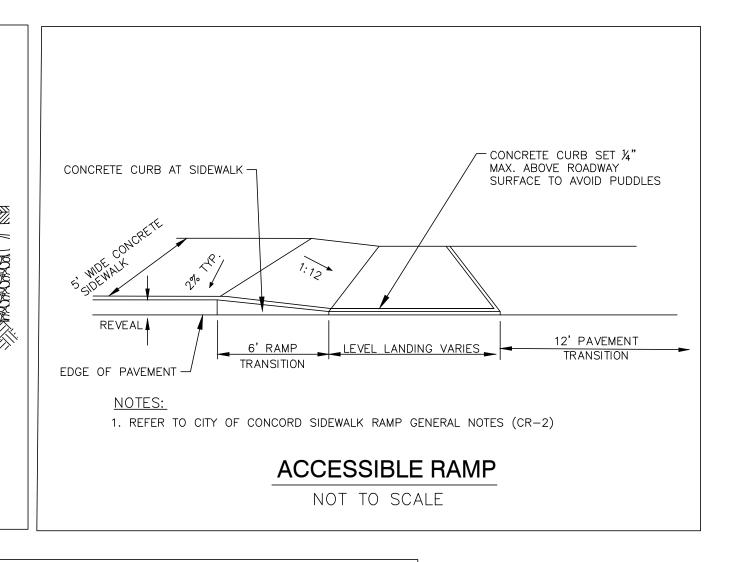
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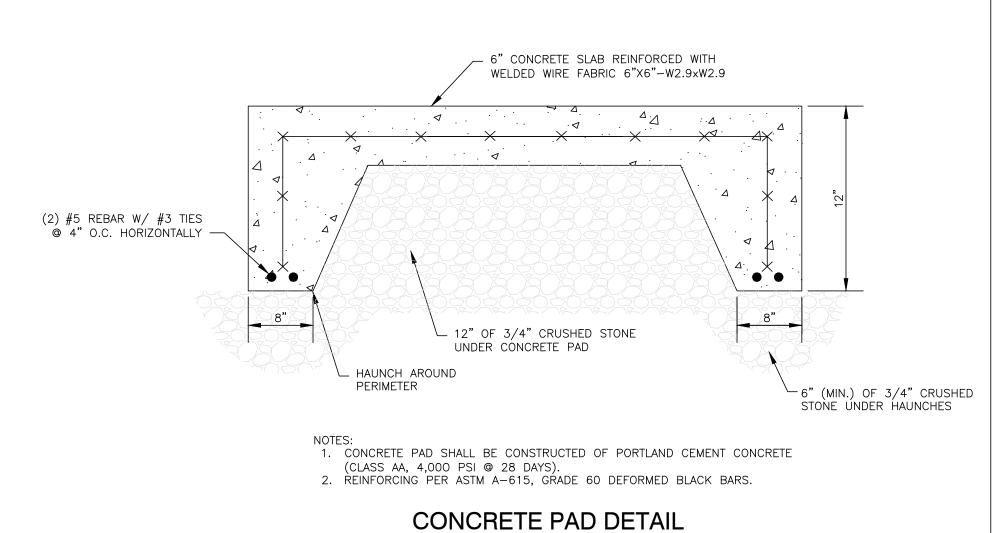
BANGOR SAVINGS BANK

111 LOUDON ROAD CONCORD, NEW HAMPSHIRE

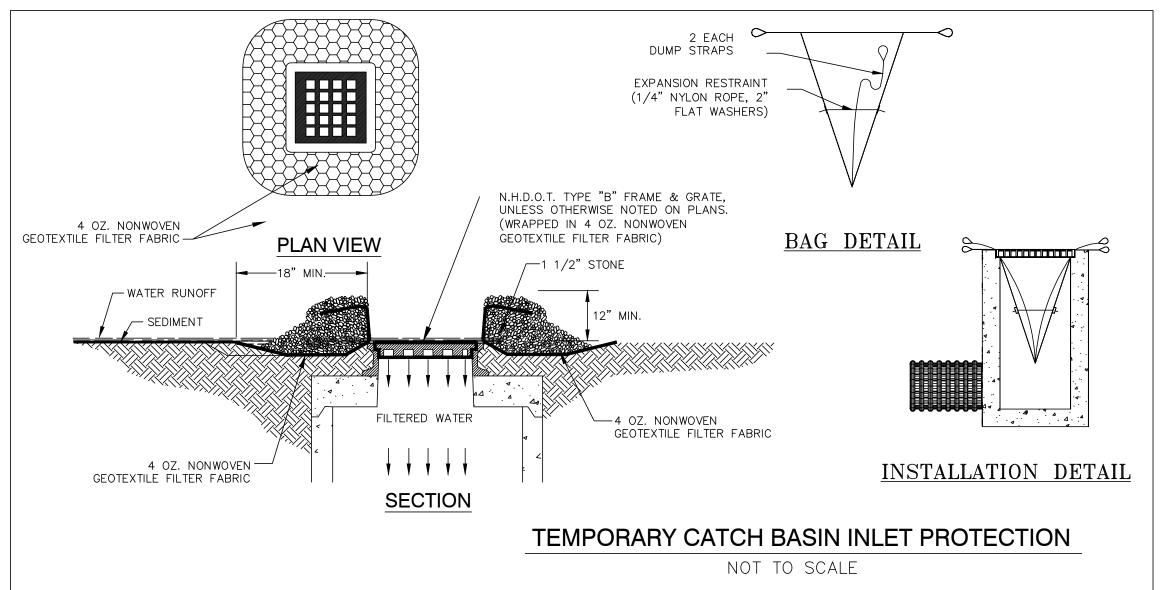
APPLICANT: BANGOR SAVINGS BANK P.O BOX 930 BANGOR, ME 04402

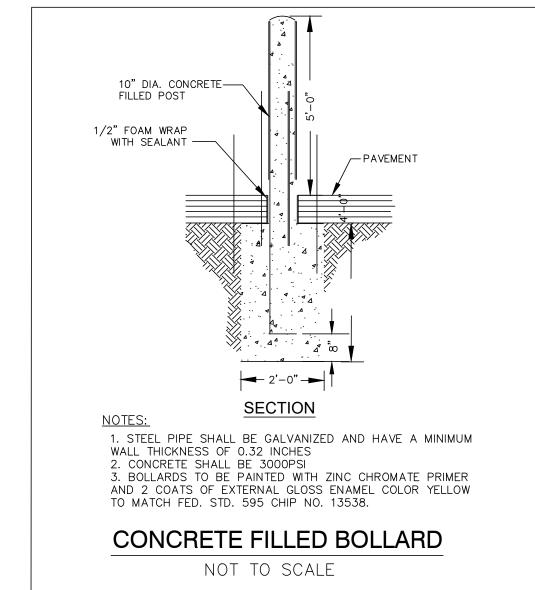


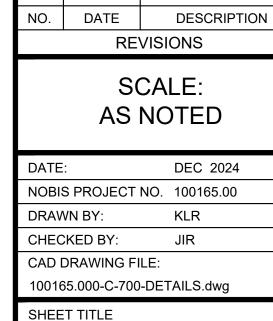




NOT TO SCALE







CONSTRUCTION DETAILS

SHEET **C-6.2**

CULTEC RECHARGER® 360HD CHAMBERS ARE DESIGNED FOR UNDERGROUND STORMWATER MANAGEMENT. THE CHAMBERS MAY BE USED FOR RETENTION, RECHARGING, DETENTION OR CONTROLLING THE FLOW OF ON-SITE STORMWATER RUNOFF

- 1. THE CHAMBERS SHALL BE MANUFACTURED IN THE U.S.A. BY CULTEC, OF BROOKFIELD, CT (CULTEC.COM, 203-775-4416)
- 2. THE CHAMBERS SHALL BE DESIGNED AND TESTED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". THE LOAD CONFIGURATION SHALL INCLUDE:
- B. MAXIMUM PERMANENT (50-YEAR) COVER LOAD
- C. 1-WEEK PARKED AASHTO DESIGN TRUCK LOAD 3. THE CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F3430-20 "STANDARD SPECIFICATION FOR CELLULAR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER

A. INSTANTANEOUS AASHTO DESIGN TRUCK LIVE LOAD AT MINIMUM COVER

COLLECTION CHAMBERS' 4. THE INSTALLED CHAMBER SYSTEM SHALL PROVIDE RESISTANCE TO THE LOADS AND LOAD FACTORS AS DEFINED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS SECTION 12.12, WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION

INSTRUCTIONS. THE STRUCTURAL DESIGN OF THE CHAMBERS SHALL INCLUDE THE

- A. THE CREEP MODULUS SHALL BE 50-YEAR AS SPECIFIED IN ASTM F3430 B. THE MINIMUM SAFETY FACTOR FOR LIVE LOADS SHALL BE 1.75
- C. THE MINIMUM SAFETY FACTOR FOR DEAD LOADS SHALL BE 1.95 5. THE INSTALLED CHAMBER SYSTEM SHALL BE STRUCTURALLY DESIGNED TO PROVIDE RESISTANCE TO LIVE LOADS AS DEFINED BY THE AASHTO H-20/HL-93 SPECIFICATION
- WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS. 6. THE CHAMBER SHALL BE STRUCTURAL FOAM INJECTION MOLDED OF BLUE VIRGIN HIGH MOLECULAR WEIGHT IMPACT-MODIFIED POLYPROPYLENE.
- 7. THE CHAMBER SHALL BE ARCHED IN SHAPE. 8. THE CHAMBER SHALL BE OPEN-BOTTOMED.
- 9. THE CHAMBER SHALL BE JOINED USING AN INTERLOCKING OVERLAPPING RIB METHOD. CONNECTIONS MUST BE FULLY SHOULDERED OVERLAPPING RIBS, HAVING NO SEPARATE
- 10. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC RECHARGER® 360HD SHALL BE 36 INCHES (914 MM) TALL, 60 INCHES (1525 MM) WIDE AND 50 INCHES (1275 MM) LONG. THE INSTALLED LENGTH OF A JOINED RECHARGER 360HD SHALL BE 3.67 FEET (1.12 M). 11. MULTIPLE CHAMBERS MAY BE CONNECTED TO FORM DIFFERENT LENGTH ROWS. EACH ROW SHALL BEGIN AND END WITH A SEPARATELY FORMED CULTEC RECHARGER® 360HD END CAP. MAXIMUM INLET OPENING ON THE END CAP IS 24 INCHES (600 MM) HDPE OR 30 INCHES (750 MM) PVC.
- 12. THE CHAMBER SHALL HAVE TWO SIDE PORTALS TO ACCEPT CULTEC HVLV™ FC-48 FEED CONNECTORS TO CREATE AN INTERNAL MANIFOLD. MAXIMUM ALLOWABLE PIPE SIZE IN THE SIDE PORTAL IS 10 INCHES (250 MM) HDPE AND 12 INCHES (300 MM) PVC.
- 13. THE NOMINAL CHAMBER DIMENSIONS OF THE CULTEC HVLV™ FC-48 FEED CONNECTOR SHALL BE 12 INCHES (305 MM) TALL, 16 INCHES (406 MM) WIDE AND 49 INCHES (1245
- 14. THE NOMINAL STORAGE VOLUME OF THE RECHARGER 360HD CHAMBER SHALL BE 10.0 FT³/ FT (.928 M³ / M) - WITHOUT STONE. THE NOMINAL STORAGE VOLUME OF A JOINED RECHARGER 360HD SHALL BE 36.67 FT³ / UNIT (1.038 M³ / UNIT) - WITHOUT STONE. 15. THE NOMINAL STORAGE VOLUME OF THE HVLV™ FC-48 FEED CONNECTOR SHALL BE 0.913
- FT^3 / FT (0.085 M^3 / M) WITHOUT STONE. 16. THE RECHARGER 360HD CHAMBER SHALL HAVE 7 CORRUGATIONS 17. THE CHAMBER SHALL BE CAPABLE OF ACCEPTING A 6 INCH (150 MM) INSPECTION PORT
- OPENING AT THE TOP CENTER OF EACH CHAMBER, CENTERED ON THE CORRUGATION 18. THE UNITS MAY BE TRIMMED TO CUSTOM LENGTHS BY CUTTING BACK TO ANY
- CORRUGATION. 19. THE CHAMBER SHALL BE MANUFACTURED IN A FACILITY EMPLOYING CULTEC'S QUALITY CONTROL AND ASSURANCE PROCEDURES. 20. MAXIMUM ALLOWABLE COVER OVER THE TOP OF THE CHAMBER SHALL BE 12.0 FEET (3.66

- 1. THE CULTEC RECHARGER^(R) 360HD END CAP (REFERRED TO AS 'END CAP') SHALL BE MANUFACTURED IN THE U.S.A. BY CULTEC, OF BROOKFIELD, CT (CULTEC.COM,
- 203-775-4416). 2. THE END CAP SHALL BE STRUCTURAL FOAM INJECTION MOLDED OF BLUE VIRGIN HIGH MOLECULAR WEIGHT IMPACT-MODIFIED POLYPROPYLENE.
- 3. THE END CAP SHALL BE ARCHED IN SHAPE. 4. THE END CAP SHALL BE JOINED AT THE BEGINNING AND END OF EACH ROW OF CHAMBERS USING AN INTERLOCKING OVERLAPPING RIB METHOD. CONNECTIONS MUST BE FULLY SHOULDERED OVERLAPPING RIBS, HAVING NO SEPARATE COUPLINGS.
- 5. THE END CAP SHALL HAVE 5 CORRUGATIONS. 6. THE NOMINAL DIMENSIONS OF THE END CAP SHALL BE 36.5 INCHES (927 MM) TALL, 60 INCHES (1525 MM) WIDE AND 18 INCHES (457 MM) LONG. WHEN JOINED WITH A
- RECHARGER 360HD CHAMBER, THE INSTALLED LENGTH OF THE END CAP SHALL BE 15 INCHES (381 MM). 7. THE NOMINAL STORAGE VOLUME OF THE END CAP SHALL BE 5.17 FT 3 / FT (0.48 M 3 / M) -
- WITHOUT STONE. THE NOMINAL STORAGE VOLUME OF AN INTERLOCKED END CAP SHALL BE 6.46 FT^3 / UNIT (0.183 M^3 / UNIT) - WITHOUT STONE. 8.MAXIMUM INLET OPENING ON THE END CAP IS 24 INCHES (600 MM) HDPE OR 30 INCHES

PIPE

6" [150 mm]

8" [200 mm]

10" [250 mm]

12" [300 mm]

15" [375 mm]

18" [450 mm]

9. THE END CAP SHALL PROVIDE RESISTANCE TO THE LOADS AND LOAD FACTORS AS DEFINED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS SECTION 12.12.

CULTEC HVLV FC-48 FEED CONNECTOR PRODUCT SPECIFICATIONS

CULTEC HVLV FC-48 FEED CONNECTORS ARE DESIGNED TO CREATE AN INTERNAL MANIFOLD FOR CULTEC RECHARGER MODEL 360HD STORMWATER CHAMBERS.

- 1. THE FEED CONNECTOR SHALL BE MANUFACTURED BY CULTEC, OF BROOKFIELD, CT. (203-775-4416 OR 1-800-428-5832)
- 2. THE FEED CONNECTOR SHALL BE VACUUM THERMOFORMED OF HIGH MOLECULAR WEIGHT HIGH DENSITY POLYETHYLENE (HMWHDPE) WITH A BLACK INTERIOR AND BLUE EXTERIOR.
- 3. THE FEED CONNECTOR SHALL BE ARCHED IN SHAPE

- 8. THE HVLV FC-48 FEED CONNECTOR MUST BE FORMED AS A WHOLE UNIT HAVING TWO OPEN END WALLS AND HAVING NO SEPARATE END PLATES OR SEPARATE END WALLS. THE UNIT
- WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS.
- 10. THE FEED CONNECTOR SHALL BE MANUFACTURED IN AN ISO 9001:2008 CERTIFIED FACILITY. **CULTEC NO. 410™ NON-WOVEN GEOTEXTILE**
- AND RECHARGER® STORMWATER INSTALLATIONS TO PROVIDE A BARRIER THAT
- 1. THE GEOTEXTILE SHALL BE PROVIDED BY CULTEC, OF BROOKFIELD, CT. (203-775-4416 OR 1-800-428-5832)
- 3. THE GEOTEXTILE SHALL HAVE A TYPICAL WEIGHT OF 4.5 OZ/SY (142 G/M).
- 5. THE GEOTEXTILE SHALL HAVE AN ELONGATION @ BREAK VALUE OF 50% PER ASTM D4632 TESTING METHOD.
- ASTM D3786 TESTING METHOD.
- ASTM D4833 TESTING METHOD.
- 9. THE GEOTEXTILE SHALL HAVE A TRAPEZOID TEAR VALUE OF 50 LBS (222 N) PER ASTM D4533 TESTING METHOD.
- 12. THE GEOTEXTILE SHALL HAVE A WATER FLOW RATE VALUE OF 135 GAL/MIN/SF (5500 L/MIN/SM) PER ASTM D4491 TESTING METHOD.
- 13. THE GEOTEXTILE SHALL HAVE A UV STABILITY @ 500 HOURS VALUE OF 70% PER ASTM D4355 TESTING METHOD.

- **GEOTEXTILE PARAMETERS** 1. THE GEOTEXTILE SHALL BE PROVIDED BY CULTEC OF BROOKFIELD, CT.
- (203-775-4416 OR 1-800-428-5832) 2. THE GEOTEXTILE SHALL BE BLACK IN APPEARANCE.
- 3. THE GEOTEXTILE SHALL HAVE A TENSILE STRENGTH OF 320 X 320 LBS (1,420 X 1,420 N) PER ASTM D4632 TESTING METHOD.
- PER ASTM D4632 TESTING METHOD.
- 3,563 LBS/FT (52 X 52 KN/M) PER ASTM D4595 TESTING METHOD.
- N) PER ASTM D6241 TESTING METHOD. 7. THE GEOTEXTILE SHALL HAVE A TRAPEZOIDAL TEAR RESISTANCE OF 120 X 120 LBS
- 9. THE GEOTEXTILE SHALL HAVE A PERMITTIVITY RATING OF 0.2 SEC-1 PER ASTM D4491 TESTING METHOD.
- 11. THE GEOTEXTILE SHALL HAVE A UV RESISTANCE OF 70% @ 500 HRS. PER ASTM D4355 TESTING METHOD

- 4. THE FEED CONNECTOR SHALL BE OPEN-BOTTOMED.
- 5. THE NOMINAL DIMENSIONS OF THE CULTEC HVLV FC-48 FEED CONNECTOR SHALL BE 12 INCHES (305 mm) TALL, 16 INCHES (406 mm) WIDE AND 49 INCHES (1245 mm) LONG.
- 6. THE NOMINAL STORAGE VOLUME OF THE HVLV FC-48 FEED CONNECTOR SHALL BE 0.913 FT³ /
- 7. THE HVLV FC-48 FEED CONNECTOR SHALL HAVE 4 CORRUGATIONS.
- SHALL FIT INTO THE SIDE PORTALS OF THE CULTEC RECHARGER STORMWATER CHAMBER AND ACT AS CROSS FEED CONNECTIONS CREATING AN INTERNAL MANIFOLD.
- 9. THE FEED CONNECTOR SHALL BE DESIGNED TO WITHSTAND AASHTO HS-25 DEFINED LOADS
- CULTEC NO. 410™ NON-WOVEN GEOTEXTILE MAY BE USED WITH CULTEC CONTACTOR®

PREVENTS SOIL INTRUSION INTO THE STONE.

GEOTEXTILE PARAMETERS

- 2. THE GEOTEXTILE SHALL BE BLACK IN APPEARANCE.
- 4. THE GEOTEXTILE SHALL HAVE A TENSILE STRENGTH VALUE OF 120 LBS (533 N) PER
- 6. THE GEOTEXTILE SHALL HAVE A MULLEN BURST VALUE OF 225 PSI (1551 KPA) PER
- 7. THE GEOTEXTILE SHALL HAVE A PUNCTURE STRENGTH VALUE OF 65 LBS (289 N) PER
- 8. THE GEOTEXTILE SHALL HAVE A CBR PUNCTURE VALUE OF 340 LBS (1513 N) PER ASTM D6241 TESTING METHOD.
- 10. THE GEOTEXTILE SHALL HAVE A AOS VALUE OF 70 U.S. SIEVE (0.212 MM) PER ASTM
- 11. THE GEOTEXTILE SHALL HAVE A PERMITTIVITY VALUE OF 1.7 SEC-1 PER ASTM D4491

CULTEC AFAB-HPF™ WOVEN GEOTEXTILE

CULTEC AFAB-HPF WOVEN GEOTEXTILE IS DESIGNED AS A UNDERLAYMENT TO PREVENT COURING CAUSED BY WATER MOVEMENT WITHIN THE CULTEC CHAMBERS AND FEED CONNECTORS LITTLIZING THE CULTEC MANIFOLD FEATURE IT MAY ALSO BE USED AS A COMPONENT OF THE CULTEC SEPARATOR ROW TO ACT AS A BARRIER TO PREVENT SOIL/CONTAMINANT INTRUSION INTO THE STONE WHILE ALLOWING FOR MAINTENANCE.

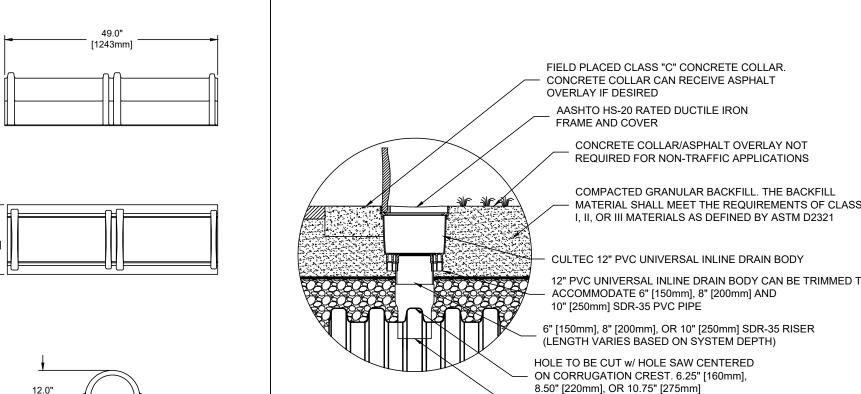
- 4. THE GEOTEXTILE SHALL HAVE A ELONGATION @ BREAK RESISTANCE OF 15 X 15%
- 5. THE GEOTEXTILE SHALL HAVE A WIDE WIDTH TENSILE RESISTANCE OF 3,563 X
- 6. THE GEOTEXTILE SHALL HAVE A CBR PUNCTURE RESISTANCE OF 1,500 LBS (6,670
- (540 X 540 N) PER ASTM D4533 TESTING METHOD. 8. THE GEOTEXTILE SHALL HAVE AN APPARENT OPENING SIZE OF 30 US STD. SIEVE (0.60 MM) PER ASTM D4751 TESTING METHOD.
- 10. THE GEOTEXTILE SHALL HAVE A WATER FLOW RATING OF 22 GPM/FT2 (900 LPM/M2) PER ASTM D4491 TESTING METHOD.

CULTEC RECHARGER 360HD CROSS SECTION

HE CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F3430-20 "STANDARD SPECIFICATION FOR CELLULAR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS"

THE INSTALLED CHAMBER SYSTEM SHALL PROVIDE RESISTANCE TO THE LOADS AND LOAD FACTORS AS DEFINED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS SECTION 12.12, WHEN INSTALLED

THE CHAMBERS SHALL BE DESIGNED AND TESTED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER



- MATERIAL SHALL MEET THE REQUIREMENTS OF CLASS 12" PVC UNIVERSAL INLINE DRAIN BODY CAN BE TRIMMED TO

SOLID COVER OPTION

PVC BODY PLAN VIEW

DUCTILE IRON FRAME

- HINGE FOR EASY ACCESS

SOLID DUCTILE IRON COVER

SLOTTED COVER OPTION

___ DUCTILE IRON FRAME

PVC BODY ELEVATION VIEW

MANIFOLD FEATURE AND BENEATH ALL INLET/OUTLET PIPES (FOF

TOP STONE 339.00

BOTTOM STONE 335.00

NON-WOVEN GEOTEXTILE AROUND STONE, TOP AND

SCOUR PROTECTION)

SIDES MANDATORY, BOTTOM PER ENGINEER'S DESIGN

12.0" [305mm] MIN. FOR RIGID PAVEMENT

HINGE FOR EASY ACCESS

SLOTTED DUCTILE IRON COVER

[645.16mm

TOTAL OPEN AREA = 60.62 IN²

6.0" [150mm] DIA. INSPECTION PORT KNOCK-OUT —

LARGE RIB

MAXIMUM PIPE SIZE:

- 60.0" [1525mm]

44.0" [1118mm]

INSTALLED LENGTH

BEGINNING OF RUN -

MODEL 360HD END CAP

60.0" [1524mm

- SIDE PORTAL FOR OPTIONAL INTERNAL MANIFOLD

INSTALLED LENGTH ADJUSTMENT = 0.50' [0.15m]

CULTEC RECHARGER 360HD HEAVY DUTY THREE VIEW

(ACCOMMODATES CULTEC HVLV FC-48 FEED CONNECTOR OR STORM PIPE)

MODEL 360HD

TRIM CUT-OUT TO UTILIZE

CULTEC RECHARGER 360HD HEAVY DUTY TYPICAL INTERLOCK

CULTEC INSPECTION PORT

(SEE ZOOM DETAIL)

- INLET/OUTLET PIPE PER ENGINEER DESIGN. PIPE TO BE INSERTED 12.0" MIN. INTO CHAMBER

MAXIMUM PIPE SIZE

— MIN. 95% COMPACTED FIL OR GRANULAR SUB-BAS

INTERNAL MANIFOLD FEATURE

CULTEC HVLV FC-48

CULTEC RECHARGER 360HD CHAMBER STORAGE = 10.00 CF/FT [0.93 m³/m]

→ 50.0" [1271mm] **→**

SDR-35 PIPE. BELL END CUT AND INSERTED 6.0" [150mm] INTO CHAMBER

THE CHAMBERS SHALL BE DESIGNED AND TESTED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS." THE LOAD CONFIGURATION SHALL INCLUDE: INSTANTANEOUS AASHTO DESIGN TRUCK LIVE LOAD AT MINIMUM COVER 1.b. MAXIMUM PERMANENT (50-YEAR) COVER LOAD

THE CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F3430-20 "STANDARD SPECIFICATION FOR CELLULAR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS" HE INSTALLED CHAMBER SYSTEM SHALL PROVIDE RESISTANCE TO THE LOADS AND LOAD FACTORS AS DEFINED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS SECTION 12.12. WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS. THE STRUCTURAL DESIGN OF THI

THE CREEP MODULUS SHALL BE 50-YEAR AS SPECIFIED IN ASTM F3430

24.0" [305mm] MIN SUMP

INLET STRUCTURE

Nobis Group® 18 Chenell Drive Concord, NH 03301 T(603) 224-4182 www.nobis-group.com

36.25" [915mm]

—— 60.0" [1523mm] ——

4 ► 15.0" [381mm] INSTALLED

END OF RUN

MODEL 360HD

TYPICAL CULTEC SEPARATOR ROW TO BE COVERED

OR FINISHED GRADE 1-2" [25-50mm] WASHED, CRUSHED STONE SURROUNDING CHAMBERS

END CAP STORAGE = 6.46 CF / UNIT (5.17 CF/FT) [0.48m³/m] INSTALLED LENGTH ADJUSTMENT = 0.25' [0.08m]

CULTEC RECHARGER 360HD

HIDDEN END

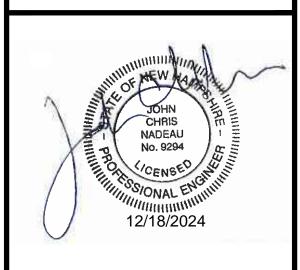
MODEL 360HD END CAP

NON-WOVEN GEOTEXTILE AROUND STONE. TOP AND

SIDES MANDATORY, BOTTOM PER ENGINEER'S DESIGN PREFERENCE.

HEAVY DUTY END CAP THREE VIEW

→ 18.0" [458mm]



NOT ISSUED CONSTRUCTION

BANGOR SAVINGS

111 LOUDON ROAD CONCORD, NEW HAMPSHIRE

APPLICANT: **BANGOR SAVINGS BANK** BANGOR, ME 04402

DATE DESCRIPTION REVISIONS

SCALE: **AS NOTED**

DEC 2024 NOBIS PROJECT NO. 100165.00 DRAWN BY: KLR CHECKED BY: JIR CAD DRAWING FILE: 100165.000-C-700-DETAILS.dwg

SHEET TITLE

CONSTRUCTION **DETAILS**

SHEET

CULTEC RECHARGER 360HD TYPICAL PIPE INVERTS

GENERAL NOTES

1.00" [25 mm]

1.00" [25 mm]

1.25" [32 mm]

1.75" [45 mm]

2.00" [50 mm]

2.50" [64 mm]

CULTEC HVLV FC-48 FEED CONNECTOR THREE VIEW

FINAL ASSEMBLY

· CULTEC 12" [300mm] DUCTILE IRON SQUARE BASIN COVER

CULTEC 12" [300mm] PVC UNIVERSAL INLINE DRAIN BODY

13.6" [346 mm

6" [150 mm] SDR-35 RISER PIPE

PVC BODY CAN BE TRIMMED IN FIELD —

TO ACCOMMODATE 8" [200 mm] AND 10" [250 mm] SDR-35 RISER PIPE SIZES

MIN. 95% COMPACTED FILL -

WHERE SPECIFIED

CULTEC HVLV FC-48 FEED CONNECTOR

ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS. THE STRUCTURAL DESIGN OF THE CHAMBERS SHALL INCLUDE THE FOLLOWING:

YVV YWY Y Y YVYY WY YV YWYYWYYY Y Y YVYYWWYY W

CULTEC UNIVERSAL INSPECTION PORT KIT DETAIL

[PART #1299CGC - SOLID]

[PART #2712AGSB]

SDR-35 RISER PIPE CUT TO LENGTH

BASED ON SYSTEM DEPTH. PIPE SHALL

BE INSERTED INTO SDR-35 BELL END.

[PART NOT PROVIDED BY CULTEC]

[PART NOT PROVIDED BY CULTEC]

SDR-35 BELL END INSERTED

CULTEC CHAMBER

STONE SURROUNDING CHAMBERS

CULTEC RECHARGER 360HD -

COLLECTION CHAMBERS." THE LOAD CONFIGURATION SHALL INCLUDE:

THE MINIMUM SAFETY FACTOR FOR DEAD LOADS SHALL BE 1.95

MAXIMUM PERMANENT (50-YEAR) COVER LOAD

1-WEEK PARKED AASHTO DESIGN TRUCK LOAD

INSTANTANEOUS AASHTO DESIGN TRUCK LIVE LOAD AT MINIMUM COVER

THE CREEP MODULUS SHALL BE 50-YEAR AS SPECIFIED IN ASTM F3430

8.0" [457mm] MIN. FOR UNPAVED (REDUCE TO 12.0" [305mm] FOR NON-TRAFFIC APPLICATION)

SDR-35 RISER PIPE MAY BE 6" [150 mm]

1-WEEK PARKED AASHTO DESIGN TRUCK LOAD 3.b. THE MINIMUM SAFETY FACTOR FOR LIVE LOADS SHALL BE 1.95
3.c. THE MINIMUM SAFETY FACTOR FOR DEAD LOADS SHALL BE 1.95

OPTIONAL CULTEC INSPECTION PORT - ZOOM DETAIL

CULTEC SEPARATOR ROW - CULTEC INSPECTION PORT DETAIL (IF APPLICABLE)

THE DESIGN ENGINEER IS RESPONSIBLE FOR ENSURING THAT THE REQUIRED —

BEARING CAPACITY OF SUB-GRADE SOILS HAS BEEN MET

THE PIPE MUST REMAIN A MINIMUM OF 3" (75mm) FROM THE EDGE OF THE HEAVY DUTY END CAP.

21" [525 mm] 10.00" [254 mm] 2.50" [64 mm] 7.00" [178 mm] 24" [600 mm] 2.50" [64 mm] 30" [750 mm] 3.50" [89 mm] *THE TYPICAL INVERTITABLE ABOVE IS BASED ON THE INSIDE DIAMETER OF STANDARD CORRUGATED PLASTIC PIPE. THE HEAVY DUTY END CAP HAS PRE-MARKED TRIM LINES FOR PIPE DIAMETERS 12" (300mm), 15" (375mm), 18" (450mm) AND 24" INVERTS. 30" (750 mm) SMOOTH-WALL SDR-35 PVC PIPE MAY BE USED AT THE BOTTOM OF THE END CAP. THE CROWN OF

26.50" [673 mm]

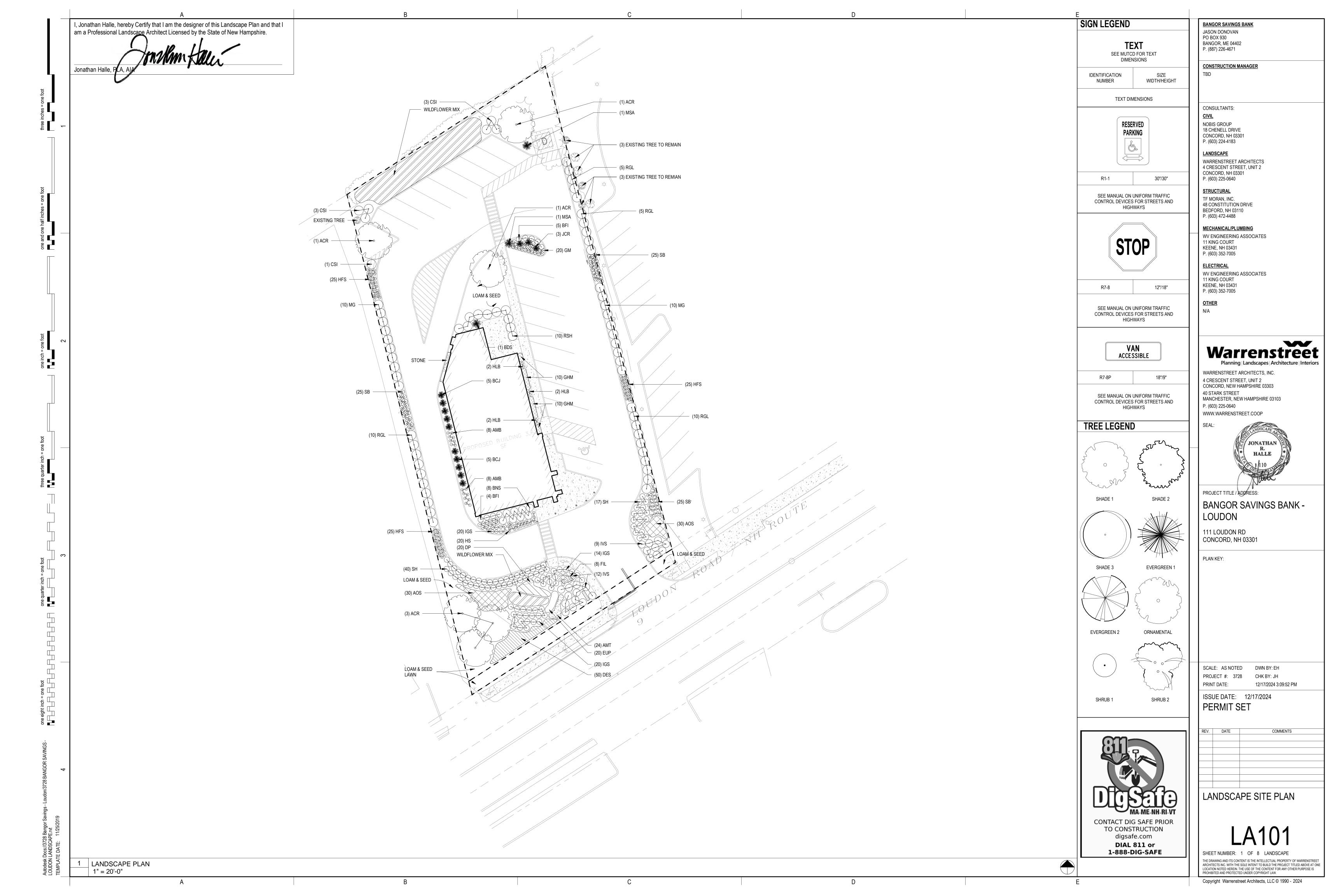
24.50" [622 mm]

22.25" [565 mm]

19.75" [502 mm]

16.50" [419 mm]

13.00" [330 mm]



1	1	Т			L	_and		7	рег	lai	IUIN	g S	cne	at	iie	T
oto Type	oe :	Sym	Qty	Common Name	Botanical Name	Hardiness Zone	Habit o	f Growth Spread	Sun Exposure	Drought Tolerant	Native	Toxicity	Installed Size	Туре	Use	Description & Notes (Height, Exposure, Bloom, Color)
Deciduo Large T		ACR	6	Red Maple	Acer rubrum	4-9	40-60'	20-50'	Full Sun	YES	YES	4 to horses only	3"-3 1/2" cal 10-12ft	B&B	Street Tree	its red flowers in early spring, red twigs of new growth, and spectacular red leaves in fall. Its dazzling fall show is further diversified with a few orange or gold shades under certain weather conditions. Even better, the American Red Maple adapts to any environment. The American Red Maple Tree is one of the most populous trees in the eastern U.S. because it adapts so well to many different environments. It is quite drought tolerant, but will grow in wet boggy areas, especially in the
Decidud Flowerii Shrubs	ing	CSI	7	Isanti Dogwood	Conus sericea 'Isanti'	2-8	5'	7'	Full Sun- Partial Shade	YES	NO	1	3 Gal.	CTN	NA	Southern portion of its range. The Isanti Red-Osier Dogwood is a deciduous shrub celebrated for its striking red stems that add a splash of color to the winter landscape. This compact plant grows to about 6 feet tall and wide, making it an excellent choice for smaller gardens or as a vibrant hedge. During the growing season, its green leaves provide a lush backdrop, turning a beautiful red in the fall It thrives in moist, well-drained soils, though it can tolerate wet conditions.
Decidud Flowerin Shrubs	ing	IVS	21	Dwarf Winterberry	llex Verticillata 'Sprite'	3-9	3-5'	4'	Full Sun- Partial Shade	NO	NO	3	2'-2 1/2" ht.	B&B	NA	The Dwarf Winterberry Holly is a charming, compact shrub known for its vibrant red berries that bring a splash of color to winter landscapes. Throughout the growing season, it displays dark green, glossy leaves that provide a lush backdrop for the small white flowers that bloom in late spring. These flowers give way to bright red berries, which persist through winter, offering visual interest and food for wildlife.
Deciduc Flowerii Shrubs	ing	MG	20	Sweetgale	Myrica Gale	2-8	3-6'	3-5'	Full Sun- Partial Shade	NO	YES	2	18" + ht.	B&B	NA	The Sweetgale (Myrica gale), also known as Bog Myrtle or Sweet Bayberry, is a versatile deciduous shrub known for its fragrant foliage and ability to thrive in wetland environments. This multi-stemmed plant forms dense, aromatic thickets with bluish-green, lance-shaped leaves that feature distinctive yellow wax glands. In spring, Sweetgale produces greenish-yellow catkins before the leaves emerge, followed by clusters of tiny winged nutlets. Sweetgale is well-suited for naturalizing wet areas in gardens. It is also
Decidud Flowerii Shrubs	ing	RGL	30	Gro-Low' Sumac	Rhus Aromatica 'Gro Low'	3-9	1-2'	6-8'	Full Sun- Partial Shade	YES	NO	0	18"+ ht.	B&B	Accent Tree	noted for its ecological benefits, such as providing habitat for wildlife and improving soil quality through its nitrogen-fixing ability. Beyond its environmental value, the leaves and fruit of Sweetgale are used for flavoring and as an insect repellent, making it a unique and beneficial addition to diverse landscapes. The Rhus aromatica 'Gro-Low' (Fragrant Sumac 'Gro-Low') is a low-growing, spreading deciduous shrub known for its versatility and adaptability. This plant forms a dense mat of medium green, trifoliate leaves that emit a pleasant lemon scent when crushed, adding an aromatic touch to your garden. In the fall, the foliage transforms into a stunning display of orange, red, and purple hues providing brilliant seasonal color. 'Gro-Low' is ideal for stabilizing slopes, covering embankments, and naturalizing areas, and is a
Deciduc Flowerii	ous ing	RSH	10	Red Sensation Hydrangea	Hydrangea macrophylia "red	5-9	2-3'	3-5'	Partial shade-full	NO	NO	4	5 gal	CTN	NA	low-maintenance choice for a variety of soil conditions. Additionally, it is resistant to rabbits and deer, enhancing its appeal as a durable and attractive ground cover. The Red Sensation Hydrangea is a top-choice shrub, which grows vigorously in partial or full shade. It flowers from midsummer through fall, just when other plants are finishing their bloom. This specially-selected variety will bloom even on new shoots from the base, as well as on older wood, so it is a great choice for gardeners in colder areas. Plant it under trees to fill awkward spaces with dense foliage and bright flowers. The exact flower color will depend on your soil type. In acidic soil
Shrubs Evergre Low Gro	een	всј	10	Blue Chip Juniper	Juniperus horizontalis 'Blue	3-9	12'	4'-6'	shade Full-Partial Sun	YES	YES	1	5 Gal	CTN	NA	(below pH 5.5) they will be blue-violet, but in other soils they will be red-violet. In either case, the unique rich coloring is a terrific contrast to the lighter, more typical blue or pink flowers. Blue Chip Juniper is a tough, low-growing evergreen shrub that is known for its beautiful silver-blue foliage and spreading habit. The deer-resistant foliage holds its blue color all year long. It's a durable, tough groundcover shrub for edging driveways or planted on slopes or along retaining walls for erosion control. Blue Chips are very drought tolerant and thrive in
Evergre Low Gro		JCR	3	Common Juniper	Juniperus Commmunis	2-9	15"	6-8'	Full Sun- Partial	YES	YES	2	2 Gal.	CTN	NA	The Juniperus communis 'Repanda' (Common Juniper 'Repanda') is a charming, low-growing evergreen shrub that forms a dense, prostrate mat of soft, dark green foliage. The foliage is adorned with white bands and turns a lovely bronze color in winter, adding seasonal interest. It is an excellent choice for ground cover, rock gardens, and borders.
Cover Evergre Accent	een	BDS	1	Blue Diamond Spruce	'Repanda' Picea pungens 'Blue Diamond'	3-8	6'-10'	2'-5'	Shade Full Sun	YES	YES	0	5 Gal	CTN	NA	The Blue Diamond Spruce is a specially selected tree that develops into a dense, upright pyramid of branches, growing to around 4 feet tall within ten years. It grows about 4 inches a year, so it is perfect for a smaller garden or a limited space
Tree Evergre Accent		MSA	2	Mission Arborvitae	Thuja Occidentalis	3-8	10'-15'	6'-8'	Full-Partial Sun	NO	YES	3	6-7' hgt	B&B	NA	where you want an eye-catching specimen. Like all coniferous evergreens it continues to grow throughout its life, and in tim it will probably reach around 12 feet in height, with a spread of 4 to 5 feet. Because the growth is dense and compact, no trimming is needed to maintain that perfect pyramid – a great benefit of this plant over other slow-growing spruce trees that need regular attention to maintain their best form. Thuja Green Giants grow in a uniform shape and height. You get that classic French Renaissance look without having to prune or shear. In fact, you don't have to do anything to them. They're drought tolerant and have no significant insect or
Tree		IGS	54	Shamrock Inkberry	llex glabra	4-9	3-4'	3-4'	Full Sun-	YES	NO	3	5 Gal	CTN	N/A	disease problems. With proper care, Thujas aren't typically prone to deer or bagworm problems. This is a tough tree. Resists ice and snow damage. Grows in almost any soil, even sandy loam or heavy clays. Prefers direct sunlight, but also does well in partial shade The Shamrock Inkberry (llex glabra 'Shamrock') is an evergreen shrub that boasts a dense, rounded form and deep green, glossy leaves. It is an excellent choice for creating compact, low-maintenance hedges or as striking foundation plant. In late
Small B Grasses	ing Bush es	DES	50	Tussock Grass	'Shamrock' Deschampsia	7-10	6"-60"	3-5'	Partial Shade Full Sun-	YES	YES	0	1 Gal	CTN	NA	spring to early summer, it produces small, inconspicuous greenish-white flowers, which are followed by dark blue-black berries that add interest throughout the winter months. It is moderately drought-tolerant once established and can adapt to a range of soil conditions, making it a versatile option for various landscape settings. Tussock Grass refers to a group of perennial grasses known for their distinctive growth habit, forming dense, tufted clumps
Grasses	ie.	SB	75	Blue Bluestem	Cespitosa Schizachyrium	3-9	3'	15"	Partial Shade Full Sun	YES	YES	0	1 yr.	1 gal.	NA	or bunches rather than spreading out to form a continuous mat. These grasses are often found in a variety of habitats and serve important ecological roles. Tussock grasses are not only beautiful but also functional, contributing significantly to the health of ecosystems where they grow. Their resilience and low maintenance requirements make them a valuable addition to any garden or landscape. Blue Bluestem (Schizachyrium scoparium), also known as Little Bluestem, is a native North American perennial grass that
					scoparium 'The Blues'			5000				·	potted			adds texture and color to any landscape. Growing 2-4 feet tall, it features fine, blue-green foliage that turns shades of burgundy and purple in the fall. In late summer and early autumn, it produces airy, purplish-bronze flowers that transform into fluffy, silvery-white seed heads. This drought-tolerant grass thrives in full sun and well-drained soils, making it ideal for low-maintenance gardens. Its deep root system helps stabilize soil, making it valuable for erosion control, while also providing habitat and food for wildlife. Prairie Dropseed (Sporobolus heterolepis) is a graceful perennial bunchgrass native to North American prairies. It forms
Grasses	S	SH	57	Prairie Dropseed	Sporobolus Heterolepsis	2-9	2-3'	2-3'	Full Sun	YES	NO	0	1 yr. potted	1 gal.	NA	neat clumps of fine, hair-like green leaves that turn golden-orange in fall, adding visual interest year-round. This grass grow 2-3 feet tall and wide, producing airy, delicate flower panicles in late summer that release a pleasant, popcorn-like fragrance. Preferring full sun and well-drained soils, Prairie Dropseed is drought-tolerant and low-maintenance, making it are excellent choice for naturalistic plantings, borders, and erosion control. Its dense foliage provides habitat for wildlife and adds texture and movement to the garden.
Perenni	ial	AMT	24	Blue Star Flower	Amsonia Tabernaemontana	3-11	2-3'	2-3'	Full Sun- Partial Shade	YES	NO	0	1 yr. potted	1 gal.	N/A	The Blue Star Flower (Amsonia) is a stunning perennial that adds a touch of elegance and charm to any garden. It is particularly admired for its beautiful clusters of star-shaped, sky-blue flowers that bloom in late spring to early summer, creating a delicate and enchanting display. The Blue Star Flower is not only beautiful but also practical, adding both aesthetic and functional value to any garden with its long-lasting blooms and lovely fall foliage.
Perenni	ial	AOS	60	Aromatic Aster	Symphyotrichum Oblongifolium 'October Skies'	3-8	1-3'	1-2'	Full Sun- Partial Shade	YES	YES	0	1 yr. potted	2 qt.	NA	The Aromatic Aster (Symphyotrichum oblongifolium) is a delightful perennial wildflower that brightens up gardens with its abundant, daisy-like blooms and pleasant fragrance. It is not only beautiful but also practical, contributing both aesthetic appeal and ecological value to any garden. Its late-season blooms and attractive foliage make it a standout choice for gardeners looking to extend the flowering period in their landscapes.
Perenni	ial	DP		Eastern Hay-Scented Fern	Dennstaedtia Punctiloba	3-8	18-24"	24-36"	Partial Sun Full- Partial Shade	NO	YES	4	1 yr. potted	2 qt.	NA	The Hay-Scented Fern (Dennstaedtia punctiloba) is a charming and versatile deciduous fern that adds a delicate, feathery texture to shaded gardens and woodland areas. The Hay-Scented Fern is not only aesthetically pleasing but also practical, providing a lush, green backdrop in shaded areas and enhancing the biodiversity of garden ecosystems.
Perenni	ial	EUP	20	Joe-Pye Weed	Eupatorium purpureum 'Gateway'	3-9	3-12'	4-5'	Full Sun- Partial Shade	NO	YES	0	1 yr. potted	2 qt.	NA	Joe Pye Weed (Eutrochium purpureum), also known as Purple Joe Pye Weed, is a tall, elegant perennial wildflower that adds a touch of sophistication to late summer and early fall gardens. Joe Pye Weed is not only a visually striking addition to gardens but also an important plant for supporting pollinators. Its towering presence and late-season blooms make it a valuable asset for creating dynamic and ecologically beneficial landscapes.
Perenni	ial	FIL	8	Meadow Sweet	Filipendula Rubra 'Venusta'	3-8	2-4'	2-3'	Full Sun- Partial Shade	NO	YES	0	1 yr. potted	1 gal.	NA	Meadow Sweet (Filipendula ulmaria), also known as Queen of the Meadow, is a graceful perennial herb that reaches 3-6 feet in height. It features delicate, creamy-white flower clusters with a sweet, fragrant scent, blooming from early summer to early autumn. The dark green, deeply divided leaves add a lush backdrop to its airy flowers. This plant is valued for its ornamental beauty, traditional medicinal uses, and ecological benefits, attracting pollinators and stabilizing soil in wet areas.
Perenni	ial (ЭНМ	20	Grape Hyacinth (Spring)	Muscari armeniacum	4-8	6-9"	3-6"	Full-Partial Sun	YES	NO	1	1 yr. potted	2 qt.	NA	Grape hyacinths (Muscari) look much like little miniature hyacinths. These plants are smaller and only get about 6 to inches (16 to 20 cm.) high. Each grape hyacinth flower looks like it has little beads all strung together up and down the ster of the plant.
Perenni	ial	GM	20	Cranesbill	Geranium Macrorrhizum 'Album'	3-9	2-3'	24-30"	Full Sun- Partial Shade	YES	NO	0	1 yr. potted	2 qt.	NA	Cranesbill (Geranium spp.), commonly known as Hardy Geranium, is a versatile and resilient perennial plant. It features deeply lobed, palmate leaves and produces charming, five-petaled flowers in shades of pink, purple, blue, and white. The flowers bloom from late spring to early autumn, attracting bees and other pollinators. Cranesbill grows in a variety of habitate and thrives in full sun to partial shade with well-drained soils. Its mounding or spreading growth habit makes it ideal for borders, ground cover, and cottage gardens. This plant is known for its low maintenance and long-lasting blooms, adding
Perenni	ial	HFS	95	Daylily	Hemerocallis flava - 'Stella De Oro Dwarf'	4-11	36"	18"	Full-Partial Sun	YES	NO	4	1 yr. potted	2 qt.	NA	beauty and texture to any garden setting. Sensational, award-winning selection that blooms with heavy clusters of 2-1/2 in. yellow blooms. Reblooms freely into early fall. This easy to care for plant forms neat, compact clumps. Herbaceous. S/PSh, June/July, Lemon Yellow - Planted in fror of southern evergreen screen.
Perenni	ial	HLB	6	Hosta Lipstick Blonde	Hosta plantaginea 'Lipstick Blonde'	3-9	12-15"	16-18"	Partial Shade-Full Shade	NO	NO	3	1 yr. potted	1 gal.	NA	Enjoy your shaded garden spaces even more with a touch of unexpected color in its midst. Lipstick Blonde is a true one-of-a-kind cultivar that features foliage of the brightest sunshiny hue atop deep red stems that contrast nicely in dappled sunlight. For best results, and to keep its color at its best, plant this unique Hosta where it can receive six hours of sun. When the midsummer season rolls around, arching scapes topped with bell-shaped, lavender blooms shoot up from the plant, giving it an even more spectacular look. S/PSh, Aug/Sept, White
Seasona Color	nal	АМВ	16	Bloodstone Thrifts	America Maritima "Bloodstone'	3-8	8-10"	12-18"	Full Sun- Partial Sun	YES	NO	4	1 yr. potted	2 qt.	NA	Bright purple-pink rounded flowers. Evergreen, grassy foliage. Great for rock gardens. Drought Tolerant.
Season Color	nal	BFI	9	Blue False Indigo	Baptisia Australis 'Blue False Indigo'	3-9	3-4'	3-4'	Full Sun- Partial Shade	YES	YES	2	1 yr. potted	2 qt.	NA	Blue False Indigo, Baptisia australi, is such a standout that people have brought it far and wide from its native fields and you can find it happily growing in town squares and neighborhood front yards all over the country. Blue False Indigo is a bushy perennial with vibrant blue-green foliage that will quickly grow to fill bare spots in your perennial border each year, but its blue spikes of flowers are what makes False Blue Indigo such a striking star amid other spring plantings. Blue False Indigo is a truly hardy native that will come back strong for you each year, getting bigger and more beautiful as time passes. It is long-lived, providing years of enjoyment for your landscape with its impressive
Season Color	nal	BNS	8	Birds Nest Spruce	Picea Abies 'Nidiformis'	2-8	3-5'	4-6'	Full Sun- Partial Sun	YES	NO	0	1 yr. potted	2 gal	NA	spikes of vivid, blue flowers and attractive seeds. Birds Nest Spruce Shrubs are a versatile, dwarf conifer that is an excellent choice for a low evergreen border, accent. Bird nest spruce makes a great evergreen container plant on deck, patios, or porches. The short curving branches are covered with dense, dark green needles that create an interesting bird's nest effect. Its tight, compact shape requires little maintenance and is very deer resistant. Use as a groundcover or as a low divider or hedge between driveways, walkways creating sidewalke.
								Gei	neral	Plan	tina	Note	S			or along sidewalks.
y Levels: To differ	erentiate t	ne diffe	rences i		hed a numeric 4-scale sys	tem: They assi	gned a sco	assachusett re of 1 to a p	s Zone 6. plant with maj	or toxicity —	he potential t	cause seriou	ıs illness or d			lants with minor toxicity where ingestion may cause vomiting or diarrhea when ingested; 3 for
where the juice or	r sap con id ingesti	tain nee	edle-sha skin ser	aped oxalate crystals that c nsitization hazard.	an irritate skin, mouth, tor	gue and throat	that can re	esult in thro	at swelling, bi	reathing diffic	ulties, burning	pain and sto	mach upset; a	and 4 for pl	lants where c	ontact can cause skin rash, irritation. Some plants have a score of 1 or 2 and 4, meaning that this plan is subject to plant availability, substitutions, time of year, phasing and cost.

BANGOR SAVINGS BANK

JASON DONOVAN PO BOX 930 BANGOR, ME 04402 P. (887) 226-4671

CONSTRUCTION MANAGER

CONSULTANTS:

<u>CIVIL</u> NOBIS GROUP 18 CHENELL DRIVE CONCORD, NH 03301 P. (603) 224-4183

LANDSCAPE

WARRENSTREET ARCHITECTS 4 CRESCENT STREET, UNIT 2 CONCORD, NH 03301 P. (603) 225-0640

STRUCTURAL TF MORAN, INC.

48 CONSTITUTION DRIVE BEDFORD, NH 03110 P. (603) 472-4488

MECHANICAL/PLUMBING WV ENGINEERING ASSOCIATES 11 KING COURT KEENE, NH 03431

ELECTRICAL

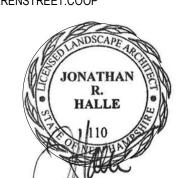
P. (603) 352-7005

WV ENGINEERING ASSOCIATES 11 KING COURT KEENE, NH 03431 P. (603) 352-7005

<u>OTHER</u>

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WWW.WARRENSTREET.COOP



PROJECT TITLE / ADDRESS: BANGOR SAVINGS BANK -

111 LOUDON RD CONCORD, NH 03301

PLAN KEY:

LOUDON

SCALE: AS NOTED DWN BY: EH PROJECT #: 3728 CHK BY: JH PRINT DATE:

ISSUE DATE: 12/17/2024

12/17/2024 3:09:52 PM

COMMENTS

PERMIT SET

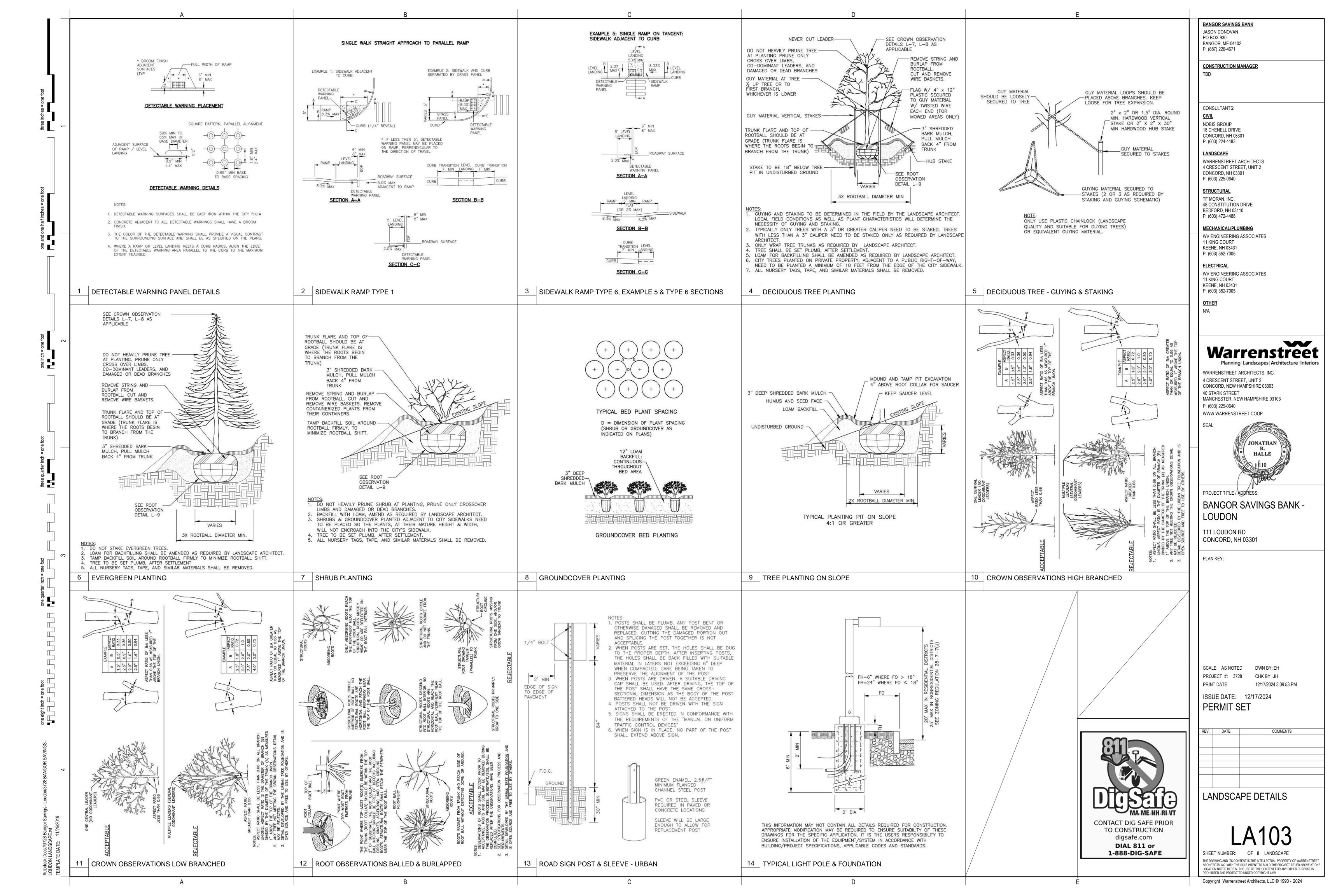


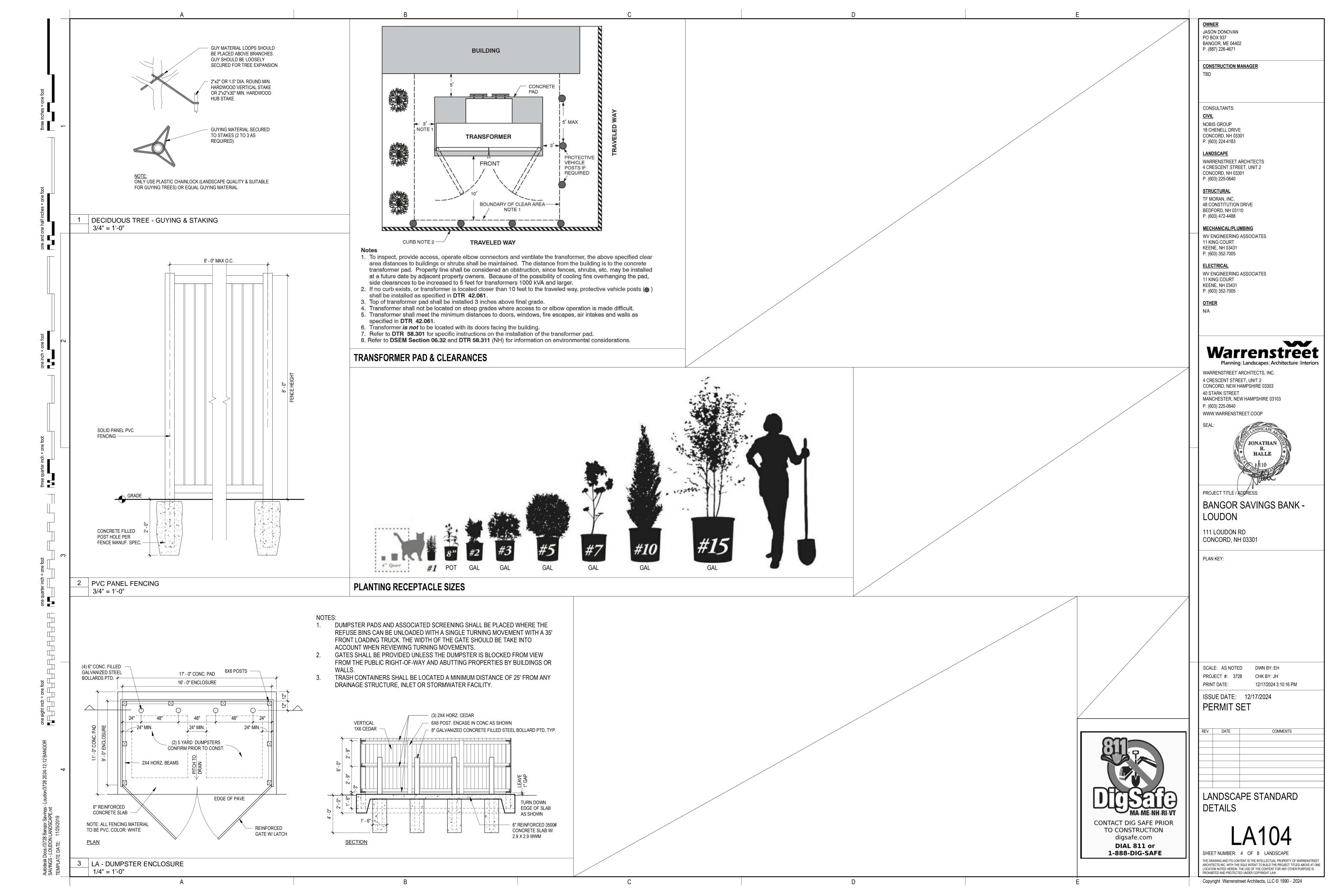
TO CONSTRUCTION digsafe.com DIAL 811 or 1-888-DIG-SAFE

PLANTING SCHEDULE

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2. ALL PLANTS SHALL BE FIRST-CLASS REPRESENTATIVES OF THEIR NORMAL SPECIES OR VARIETIES. PLANTS SHALL BE SOUND, HEALTHY, AND VIGOROUS, WELL-BRANCHED AND DENSELY FOLIATED WHEN IN LEAF. UNLESS OTHERWISE SPECIFIED, PLANTS SHALL HAVE AVERAGE OR NORMALLY DEVELOPED BRANCH SYSTEMS AND VIGOROUS ROOT SYSTEMS. PLANTS SHALL BE FREE FROM SCALE, DISFIGURING KNOTS, SUN SCALD INJURIES, ABRASIONS OF THE BARK, OR OTHER OBJECTIONABLE BLEMISHES. WEAK PLANTS WILL NOT BE ACCEPTED. PLANTS MUST SHOW APPEARANCE OF NORMAL HEALTH AND VIGOR IN STRICT ACCORDANCE WITH THESE SPECIFICATIONS. ALL STOCK

3. PLANTS FURNISHED IN CONTAINERS SHALL HAVE THE ROOTS WELL ESTABLISHED IN THE SOIL MASS AND SHALL HAVE GROWN IN THE CONTAINER FOR AT LEAST ONE (1) GROWING SEASON. CONTAINERS SHALL BE OF A SIZE LARGE ENOUGH TO PROVIDE AN EARTH-ROOT MASS OF ADEQUATE DIAMETER AND DEPTH OF THE STEM DIAMETER AND PLANT HEIGHTS OR SPREAD, AS ESTABLISHED BY ACCEPTED NURSERY PRACTICE. PLANTS, OVER ESTABLISHED IN THE CONTAINER, AS EVIDENCED BY POT BOUND ROOT ENDS, WILL NOT BE ACCEPTED. BARE ROOT MATERIAL WILL BE ACCEPTED ONLY FOR SPRING PLANTING. BARE ROOT STOCK SHALL BE HANDLED ACCORDING TO

STANDARD HORTICULTURAL PRACTICE WITH SPECIAL ATTENTION BEING PAID TO PREVENTING PLANT ROOTS FROM DRYING AND PLANTS BEING APPROPRIATELY STORED. 4. PLANTS LARGER THAN THOSE SPECIFIED IN THE PLANT LIST MAY BE USED IF APPROVED BY THE LANDSCAPE ARCHITECT. 5. THE HEIGHT OF TREES, MEASURED FROM THE CROWN OF THE ROOTS TO THE TOP OF THE TOP BRANCH, AND CALIPER OF THE TRUNK SHALL BE TAKEN 6 INCHES ABOVE THE GROUND UP TO AND INCLUDING 4 INCH CALIPER SIZE, AND 12 INCHES ABOVE THE GROUND FOR LARGER SIZES, AND SHALL NOT BE LESS THAN THE MINIMUM SPECIFIED ON THE PLANT LIST. EXCEPT WHEN A CLUMP IS DESIGNATED, THE TRUNK OF EACH TREE SHALL BE A SINGLE TRUNK GROWING FROM A SINGLE UNMUTILATED CROWN OF

ROOTS. NO PART OF THE TRUNK SHALL BE CONSPICUOUSLY CROOKED AS COMPARED TO NORMAL TREES OF THE SAME VARIETY. THE TRUNK SHALL BE FREE FROM SUN SCALD, FROST CRACKS OR WOUNDS RESULTING FROM ABRASIONS, FIRE, OR OTHER CAUSES. NO PRUNING WOUNDS SHALL BE PRESENT HAVING A DIAMETER OF MORE THAN TWO (2") INCHES AND SUCH WOUNDS MUST SHOW VIGOROUS BARK ON ALL EDGES. EVERGREEN TREES SHALL BE BRANCHED TO WITHIN ONE FOOT OF THE GROUND. 6. SHRUBS AND PERENNIALS SHALL COMPLY WITH THE SPECIFIED SPREAD, HEIGHT OR CONTAINER SIZE AS SPECIFIED ON THE PLANT LIST. THE MEASUREMENTS FOR HEIGHT ARE TO BE TAKEN FROM THE GROUND LEVEL TO THE AVERAGE HEIGHT OF THE TOP OF THE SHRUB AND NOT THE LONGEST BRANCH. THE THICKNESS OF EACH SHRUB SHALL CORRESPOND TO THE TRADE CLASSIFICATION "NO. 1". SINGLE STEMMED OR THIN PLANTS WILL NOT BE ACCEPTED. THE SIDE BRANCHES MUST BE GENEROUS, WELL-TWIGGED, AND THE PLANT AS A WHOLE WELL-BRANCHED TO THE GROUND. THE PLANTS MUST BE IN A MOIST VIGOROUS CONDITION, FREE FROM DEAD WOOD, BRUISES OR

OTHER ROOT OR BRANCH INJURIES. 7. ALL PLANT MATERIAL SHALL COMPLY WITH STATE AND FEDERAL LAWS WITH RESPECT TO INSPECTION FOR PLANT DISEASE AND INFECTION. ANY INSPECTION CERTIFICATES REQUIRED BY LAW SHALL ACCOMPANY EACH SHIPMENT, INVOICE, OR ORDER OF STOCK.

9. NO PLANT MATERIAL SHALL BE ACCEPTED WITH LOOSE OR BROKEN BALLS, BROKEN CONTAINERS OR TUBE-PAKS

8. ALL PLANT MATERIAL IS SUBJECT TO LANDSCAPE ARCHITECT'S APPROVAL AND INSPECTION AT ANY PLACE, BEFORE DURING AND/OR AFTER PLANTING. ANY PLANT MATERIAL NOT APPROVED BY THE LANDSCAPE ARCHITECT SHALL BE IMMEDIATELY REMOVED FOR THE SITE.

A. BARK MULCH: ALL BARK MULCH SHALL BE SHREDDED PINE BARK AS LOCALLY OR REGIONALLY MANUFACTURED, OR AN EQUAL APPROVED IN ADVANCE BY THE LANDSCAPE

2.4 PLANTING MIXTURE

A. TOPSOIL: MOST TOPSOIL REQUIRED SHALL BE OBTAINED FROM ON-SITE STOCKPILED MATERIAL. SHOULD ADDITIONAL TOPSOIL BE NEEDED, IT SHALL BE IMPORTED MATERIAL FROM A LOCALLY APPROVED SOURCE. ITSHALL BE LOOSE, FRIABLE, AND SHALL CONTAIN ORDINARY AMOUNT OF HUMUS. IT SHALL CONTAIN NO LUMPS OF SOIL, ROCKS LARGER THAN 1 INCH, OR STOCKS, OR ROOTS, AND OTHER DEBRIS. IT SHALL BE SUFFICIENTLY FERTILE TO SUSTAIN NORMAL HEALTHY PLANT GROWTH AND SHALL

NOT HAVE A PH VALUE HIGHER THAN 7.0 OR LOWER THAN 6.5. THE TOPSOIL SHALL BE DELIVERED IN AN UNFROZEN AND NON-MUDDY CONDITION AND MUST MEET THE APPROVAL OF THE LANDSCAPE ARCHITECT. B. PEAT: PEAT SHALL BE SPHAGNUM PEAT, SEDGE PEAT MOSS. FURNISH AIR-DRIED, FINELY SHREDDED, ORPH BETWEEN 5.5 AND 6.5, CONTAINING NO MORE THAN THIRTY-FIVE

C. COMPOSTED BARK MULCH:COMPOSTED BARK MULCH SHALL BE 1/4" MINUS, FINE TEXTURED AND WELL COMPOSTED MULCH SUITABLE FOR USE AS A PLANTING MIX AMENDMENT. IT SHALL BE LOCALLY OR REGIONALLY MANUFACTURED, OR AN EQUAL APPROVED IN ADVANCE BY THE LANDSCAPE ARCHITECT.

D. TREES/SHRUB PLANTING MIX: TOPSOIL USED AS FILL AROUND PLANTS SHALL BE MIXED WITH PEAT MOSS AT THE RATE OF THREE PARTS TOPSOIL TO ONE PART PEAT. E. PERENNIAL/GROUND COVER PLANTING MIX: TOPSOIL USED AS FILL AROUND THESE PLANTS SHALL BE MIXED WITH PEAT MOSS AND COMPOSTED BARK MULCH AT THE RATE OF TWO PARTS TOPSOIL TO ONE PART PEAT TO ONE PART COMPOSTED BARK MULCH. THE ABOVE MIXTURE IS MIXED WITH MAG AMP (W. R. GRACE AND COMPANY, P.O. BOX 338, WEST CHICAGO, ILLINOIS) AT THE RATE OF 10 OUNCES PER CUBIC YARD OF PLANTING MIX. F. "ROOTS" - ROOT GROWTH ENHANCER: THIS PRODUCT SHALL BE A NATURAL, ORGANIC BIOSTIMULANT THAT PROMOTES ROOT GROWTH AND STRESS TOLERANCE IN PLANTS.

APPLY TO ALL TREES, SHRUBS, AND PERENNIALS PER MANUFACTURER'S RECOMMENDATIONS. G. SUPERSORB C - WATER ABSORBENT GRANULES: THIS PRODUCT SHALL BE A COPOLYMER WATER ABSORBENT IN GRANULAR FORM TO BE INCORPORATED IN THE SPECIFIED PLANTING MIXES FOR BOTH TREE/SHRUBS AND PERENNIALS. IT'S PURPOSE IS TO IMPROVE THE TOPSOIL'S WATER HOLDING CAPACITY.

H. AGRIFORM FERTILIZER TABLETS: TREES AND SHRUBS SHALL BE FERTILIZED WITH TWO (2) FERTILIZER TABLETS PER PLANTING HOLE. TABLETS SHALL BE 21 GRAM SIZE, OF 20-10-5 ANALYSIS AS MANUFACTURED BY AGRIFORM.

A. SUB GRADE PREPARATION: SEED BED PREPARATION SHALL PERTAIN TO THE PREPARATION OF THE SURFACE OF THE GROUND TO RECEIVE THE SEED. THE GROUND SHALL BE HAND OR MACHINE RAKED SO AS TO REMOVE ALL DEBRIS, CLODS, STONES, OR OTHER FOREIGN MATTER LARGER THAN 1 INCH, TO A DEPTH OF 4 INCHES. PRIOR TO DUMPING | SECTION 02930 - SEEDING AND SODDING

AND SPREADING OF TOPSOIL, THE SURFACE SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 2 INCHES TO FACILITATE BONDING OF TOPSOIL TO SUB GRADE SOIL. WHERE SUB GRADES HAVE BEEN COMPACTED ARTIFICIALLY SCARIFY TO A DEPTH OF 6 INCHES. PRIOR TO SPREADING TOPSOIL, ALL SUB GRADES SHALL BE GRADED EVENLY ACCORDING TO THE CONTRACT DOCUMENTS. SUCH DEBRIS, CLODS, ROCKS, AND OTHER MATERIAL SO REMOVED SHALL BE DISPOSED OF AS APPROVED BY THE LANDSCAPE ARCHITECT/OWNER'S REPRESENTATIVE. SEED BED PREPARATION SHALL NOT COMMENCE UNTIL THE MOISTURE CONDITIONS MAKE THE GROUND AREA AND SOIL FRIABLE. B. PREPARING UNDISTURBED AREAS: AREAS TO BE SEEDED, WHICH HAVE NOT BEEN DISTURBED BY SITE GRADING OR TOPSOIL STRIPPING OPERATIONS, SHALL BE MOWED AND RAKED PRIOR TO TILLING AND TOP SOILING OPERATIONS. TILLAGE OF THE EXISTING VEGETATION INTO THE GROUND WILL NOT BE ACCEPTED.

A. SPREADING: TOPSOIL SHALL BE SPREAD EVENLY ON THE PREPARED AREAS TO A MINIMUM DEPTH OF 6 INCHES AFTER MACHINE COMPACTION. SPREADING SHALL NOT BE DONE WHEN THE GROUND OR TOPSOIL IS FROZEN OR EXCESSIVELY WET. AFTER SPREADING, ANY LARGE, STIFF CLODS OR HARD LUMPS SHALL BE BROKEN UP AND THE GROUND SHALL BE HAND OR MACHINE RAKED TO REMOVE ALL DEBRIS, STONES, AND FOREIGN MATTER LARGER THAN 1 INCH TO A DEPTH OF 4 INCHES. B. FINISH GRADING: GRADE THE AREAS TO FINISH GRADES FILLING AS NEEDED OR REMOVING SURPLUS DIRT AND FLOATING AREAS TO A SMOOTH UNIFORM GRADE. ALL LAWN AREAS SHALL SLOPE TO DRAIN. WHERE NO GRADES ARE SHOWN, AREAS SHALL HAVE A SMOOTH AND CONTINUAL GRADE BETWEEN EXISTING OR FIXED CONTROLS (SUCH AS

WALKS, CURBS, OR WALLS). RAKE AND LEVEL AS NECESSARY TO OBTAIN TRUE EVEN LAWN SURFACES. ALL FINISH GRADES SHALL MEET THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE SEED IS SOWN OR SOD IS PLACED. C. SEED BED PREPARATION: AFTER FINISH GRADING AND JUST BEFORE SEEDING, THE AREAS TO BE SEEDED SHALL BE LOOSENED TO PROVIDE A ROUGH, FIRM BUT FINELY

PULVERIZED SEED BED. THE INTENT IS A TEXTURE CAPABLE OF RETAINING WATER, SEED, AND FERTILIZER WHILE REMAINING STABLE AND ALLOWING SEED TIME TO GERMINATE. SEED SHALL BE APPLIED TO THE CONDITIONED SEED BED NOT MORE THAN 48 HOURS AFTER THE SEED BED HAS BEEN PREPARED D. WATER: IF THERE HAS BEEN A TIME LAPSE BETWEEN THE PLACEMENT OF TOPSOIL AND SEEDING OPERATIONS TO ALLOW IT TO BECOME SETTLED AND COMPACTED ON THE

SURFACE, THE AREA TO BE PLANTED WITH SEED SHALL BE THOROUGHLY HARROWED, WORKED TO A DEPTH OF 4 INCHES SO AS TO PROVIDE A SURFACE OF SUCH CONDITION THAT IT WILL ALLOW HAND RAKING AND APPLICATION OF THE SEED IN COMPLIANCE WITH THESE SPECIFICATIONS. E. FERTILIZER/SOIL AMENDMENTS: APPLICATION OF FERTILIZER WILL BE IN 2 STAGES. TWO WEEKS PRIOR TO APPLICATION OF SEED, FERTILIZER SHALL BE APPLIED AT THE RATE OF 3 LBS/1000 S.F. FOR TURF AREAS. FERTILIZER SHALL BE APPLIED BY BROADCASTING OR DRILL METHODS; IT SHALL BE APPLIED SEPARATELY FROM THE SEED AND MIXED

INTO THE SOIL TO A MINIMUM DEPTH OF 2 INCHES AND MAY BE INCORPORATED AS PART OF THE TOPSOIL PLACEMENT AND SEED BED PREPARATION OPERATIONS. SPRINKLE IMMEDIATELY AFTER INITIAL APPLICATION OF THE FERTILIZER WITH A FINE SPRAY UNTIL GROUND IS THOROUGHLY SATURATED, WITH PARTICULAR CARE TO AVOID RUNOFF ON SLOPING AREAS.

1. THE 2ND APPLICATION WILL FOLLOW THE FOLLOWING SEASON WITHIN THE SPECIFIED WARRANTY PERIOD AT A RATE DETERMINED BY SOIL TEST RESULTS FOR BOTH TURF AND NATIVE GRASS/ WILDFLOWER AREAS. 2. APPLICATION OF SUPERPHOSPHATE AND GROUND LIMESTONE SHALL BE APPLIED AT RATES DETERMINED BY SOILS TEST RESULTS.

3. SEEDING: IMMEDIATELY PRIOR TO THE APPLICATION OF THE SEED, THE SOIL SHALL BE LOOSE TO A DEPTH OF AT LEAST 1 INCH AND FREE FROM ALL MATERIAL AS SPECIFIED. IF SOIL IS TOO LOOSE OR DRY FOR GOOD HANDLING, IT SHOULD BE MOISTENED AND ROLLED LIGHTLY. 4. SEEDING SHALL BE DONE WITHIN THE SPECIFIED TIME PERIODS AND AT THE FOLLOWING RATES:

a. FINE LAWN SEED SHALL BE SOWN AT A RATE OF 3.0 POUNDS PER 1000 SQUARE FEET AND SHALL BE PLANTED IN THE SPRING FROM APRIL LST TO MAY 30TH OR IN THE FALL FROM AUGUST 16TH TO OCTOBER 1ST. b. NATIVE SEED MIX SHALL BE SOWN AT A RATE OF 5.0 POUNDS PER 1000 SQUARE FEET AND SHALL BE PLANTED IN THE SPRING FROM APRIL LST TO MAY 30TH OR IN THE

FALL FROM AUGUST 16TH TO OCTOBER 1ST. 5. METHODS: SEEDING BY DRILL IS PREFERABLE, HOWEVER, HYDRAULIC SEEDING OR BROADCASTING WILL BE PERMITTED. BROADCAST SEEDING AND HYDRAULIC SEEDING SHALL NOT BE USED DURING ADVERSE WEATHER. AREAS SOWN BY HYDRAULIC OR BROADCAST METHODS WILL BE VISUALLY INSPECTED FOR UNIFORMITY OF APPLICATION. AREAS WHICH FAIL TO REVEAL AN AVERAGE OF TWO SEEDS PER SQUARE INCH WILL BE RE-SOWN AT NO ADDITIONAL EXPENSE TO THE OWNER. THE APPLIED SEED,

REGARDLESS OF APPLICATION, SHALL NOT BE COVERED BY A SOIL THICKNESS NO GREATER THAN 1/2 INCH. a. SEEDING BY DRILL: SEEDING EQUIPMENT USED FOR APPLYING GRASS SEED MUST BE DESIGNED, MODIFIED, OR EQUIPPED TO REGULATE THE APPLICATION RATE AND PLANTING DEPTH OF GRASS SEED. SEED MUST BE UNIFORMLY DISTRIBUTED IN THE DRILL HOPPER DURING THE DRILLING OPERATION. ALL GRASS ESTABLISHMENT EQUIPMENT SHALL BE OPERATED PERPENDICULAR TO THE SLOPE DRAINAGE. A DRILL SHALL BE NO WIDER THAN THE WIDTH OF THE AREA WHICH IT IS TO OPERATE. THE ROWS OF PLANTED SEEDS SHALL BE A MAXIMUM OF 8 INCHES APART AND SHALL BE AT RIGHT ANGLES TO THE FINISHED SLOPES.

b. BROADCAST SEEDING: WHEN SEED IS SOWN BY BROADCASTING, EXERCISE GREAT CARE THAT A UNIFORM DISTRIBUTION OF SEED IS OBTAINED. SEEDING SHALL BE DONE ON A STILL DAY USING A HOPPER TYPE SEEDER WITH ONE HALF OF THE SEED FOR EACH AREA BEING SOWN AT RIGHT ANGLES TO THE OTHER HALF. SEED DISTRIBUTION BY BROADCASTING SHALL BE COVERED WITH 1/4 TO 1/2 INCH OF SOIL. THE SEED MAY BE COVERED BY RAKING, DRAGGING, OR BY APPROPRIATE MECHANICAL MEANS. c. HYDRAULIC SEEDING: WHEN HYDRAULIC SEED IS USED, SEED AND MULCH SHALL BE APPLIED IN SEPARATE AND DISTINCT OPERATIONS EXCEPT FOR THE FOLLOWING

6. THE CONTRACTOR MUST PROVIDE ONE POUND OF MULCH PER EACH THREE GALLONS OF WATER IN THE HYDROSEEDER AS A CUSHION AGAINST SEED DAMAGE. THE MULCH USED AS A CUSHION MAY BE PART OF THE TOTAL REQUIRED MULCH WITH THE REMAINDER APPLIED AFTER THE SEED IS METERING DURING APPLICATION.

7. THE CONTRACTOR MAY APPLY MULCH AND LAWN SEED MIX HYDRAULICALLY IN A SINGLE APPLICATION, PROVIDING ONE HALF OF THE SEED HAS BEEN SOWED BY BROADCAST OR DRILL METHODS AS AN INITIAL APPLICATION AND THE RATE OF APPLICATION OF LAWN SEED MIX INCREASED BY 4 POUNDS PER 1000 SQUARE FEET. 8. THE APPLICATION OF THE SEED SLURRY SHALL BE MADE WITH EQUIPMENT HAVING A BUILT-IN AGITATION SYSTEM AND OPERATING CAPACITY SUFFICIENT TO AGITATE. SUSPEND AND HOMOGENEOUSLY MIX A SLURRY CONTAINING WATER, SEED, AND MULCH OF SEED. THE SLURRY SHALL BE SPRAYED OVER THE SOIL IN A UNIFORM COAT.

F. WATERING: WATERING IMMEDIATELY AFTER SEEDING OR MULCHING WITH A FINE SPRAY TO A DEPTH OF 6 INCHES. AVOID RUNOFF ON SLOPING AREAS. THE SURFACE LAYER OF THE SOIL MUST BE KEPT DAMP BY FREQUENT LIGHT WATERING DURING THE GERMINATION PERIOD AND UNTIL PLANTS ARE FIRMLY ROOTED. G. PROTECTION: PROTECT ALL SEEDED AREAS BY ERECTING TEMPORARY FENCES, BARRIERS, SIGNS, ETC. AS NECESSARY TO PREVENT TRAMPLING. THEY SHALL REMAIN IN

1. MULCH ALL HYDROSEEDED AREAS, DRAINAGE SWALES, SLOPES 4:1 OR STEEPER, AND ANY AREAS WHERE LIKELY HAZARD OF EROSION EXISTS. TOPSOIL OR SEED WHICH

WASHES OUT FOR REASONS ATTRIBUTABLE TO THE CONTRACTOR'S ACTIVITIES OR FAILURE TO TAKE PROPER PRECAUTIONS, SHALL BE REPLACED AT THE CONTRACTOR'S a. ALL STRUCTURES SHALL BE PROTECTED FROM HYDRAULIC APPLICATION OF MULCH MATERIAL AND MATERIAL DEPOSITED ON FACILITIES SHALL BE REMOVED.

b. DRY APPLICATION: ORGANIC MULCH SHALL BE BROADCAST AT A MINIMUM RATE OF 2000 POUNDS PER ACRE, AND SHALL BE ROLLED LIGHTLY TO SET FIRMLY INTO THE

1. ALL TREES AND SHRUB BEDS WILL BE CULTIVATED FOLLOWING THE GENERAL SHAPE OF THE BEDS AS INDICATED ON THE PLANS. FORM A SAUCER AROUND THE TOP OF

3. THOROUGHLY SOAK ALL MULCH AREAS. AFTER WATERING, RAKE MULCHED AREAS AND LEAVE IN A COMPLETED AND FINISHED CONDITION.THOROUGHLY SOAK ALL MULCH

1. TREES, GREATER THAN 1-1/2" IN CALIPER, SHALL BE STAKED IMMEDIATELY AFTER PLANTING. GUY WIRES SHALL BE ENCASED IN HOSE TO PREVENT DIRECT CONTACT WITH BARK OF THE TREE OR IT SHALL BE PLACED AROUND THE TRUNK IN A SINGLE LOOP. WIRES SHALL BE TIGHTENED AND KEPT TAUNT BY TWISTING THE STRANDS TOGETHER

2. WRAP TREES IMMEDIATELY AFTER PLANTING, BUT NOT BEFORE THE CONDITION OF THE TRUNKS HAS BEEN INSPECTED AND APPROVED. CAREFULLY WRAP THE TRUNKS OF DECIDUOUS TREES WITH TREE WRAPPING PAPER. BEGIN THE WRAPPER AT THE BASE OF THE TRUNK JUST ABOVE THE ROOTS AND BELOW THE NORMAL GROUND LINE, AND EXTEND WRAPPING UPWARD IN SPIRAL MANNER WITH AN OVERLAP OF ONE-HALF (1/2) THE WIDTH OF THE PAPER STRIP. COVER WITH SOIL THE PORTION OF THE WRAPPING BELOW THE FINISHED GRADE. THE PAPER SHALL BE HELD IN PLACE WITH APPROVED TWINE OR TAPE. TIE THE TWINE AROUND THE TREE IN AT LEAST THREE PLACES, IN

3. TREE GUYING AND STAKING SHALL BE AS DETAILED AS PER PROJECT PLANS AND COMPLETED IMMEDIATELY AFTER PLANTING.

1. EACH TREE SHALL BE PRUNED IN ACCORDANCE WITH STANDARD HORTICULTURAL PRACTICE TO PRESERVE NATURAL CHARACTER OF PLANT. THE OBJECTIVE IS TO

1. ALL DEAD WOOD, SUCKERS, BADLY BRUISED OR BROKEN BRANCHES SHALL BE REMOVED. THE TOPS OF DECIDUOUS PLANTS SHALL BE PRUNED EITHER BEFORE OR AFTER PLANTING TO BALANCE ROOT LOSS DUE TO TRANSPLANTING. THIS SHALL CONSIST OF REMOVING ONE-FORTH OF THE CROWN BY THINNING OUT AND/OR HEADING BACK THE STEMS AND TOP BRANCHES, AND SHALL BE DONE SO THAT THE PLANT RETAINS ITS NATURAL FORM. EXCEPT WHEN HEADING BACK, ALL CUTS SHALL BE MADE FLUSH

2. CUTS OVER 1/2 INCH IN DIAMETER SHALL BE PAINTED WITH AN APPROVED TREE PAINT. PAINT SHALL COVER ALL EXPOSED CAMBIUM AS WELL AS OTHER EXPOSED LIVING TISSUE. PAINT SHALL BE WATERPROOF, ADHESIVE AND ELASTIC, ANTISEPTIC, FREE FROM KEROSENE, COAL TAR CREOSOTE OR ANY OTHER MATERIAL INJURIOUS TO THE

3. TREES THAT HAVE BEEN SO BADLY PRUNED AS TO SPOIL THEIR REPRESENTATIVE FORM AND USEFULNESS SHALL BE REMOVED AND REPLACED.

A. ALL PLANTS SHALL BE WATERED TWICE WITHIN THE FIRST 24 HOURS OF THE TIME OF PLANTING. AND ALL PLANTS DURING THE MAINTENANCE PERIOD SHALL BE WATERED AT LEAST TWICE EACH WEEK. AT EACH WATERING THE SOIL AROUND EACH TREE OR SHRUB SHALL BE THOROUGHLY SATURATED. IF SUFFICIENT MOISTURE IS RETAINED IN THE

1. IN ADDITION TO THE NORMAL PROGRESS INSPECTIONS, SCHEDULE AND CONDUCT THE FOLLOWING FORMAL INSPECTIONS, GIVING THE LANDSCAPE ARCHITECT AT LEAST

5. FINAL INSPECTION AT THE END OF THE MAINTENANCE PERIOD, PROVIDED THAT ALL PREVIOUS DEFICIENCIES HAVE BEEN CORRECTED. 6. THE LANDSCAPE ARCHITECT WILL INSPECT ALL WORK FOR ACCEPTANCE UPON WRITTEN REQUEST OF THIS SUBCONTRACTOR

7. ACCEPTANCE OF LAWNS SHALL BE GRANTED FOR THE WORK IN ITS ENTIRETY. NO PARTIAL ACCEPTANCE SHALL BE GIVEN. 8. SOD AND FINE LAWNS SHALL EXHIBIT A UNIFORM, THICK, WELL-DEVELOPED STAND OF GRASS WHICH HAS RECEIVED A MINIMUM OF THREE CUTTINGS. LAWN AREAS SHALL 9. NATIVE GRASS AREAS SHALL EXHIBIT A UNIFORM, THICK, WELL DEVELOPED STAND OF GRASS WHICH HAS RECEIVED A MINIMUM OF THREE CUTTINGS. NATIVE GRASS IE

AREAS SHALL HAVE NO BARE SPOTS IN EXCESS OF FOUR (4") INCHES IN DIAMETER AND BARE SPOTS SHALL COMPRISE NO MORE THAN TWO PERCENT (2%) OF THE TOTAL 10. NO LAWN AREAS SHALL EXHIBIT SIGNS OF DAMAGE FROM EROSION, WASHOUTS, GULLIES OR OTHER CAUSES. 11. BUILDING AND PAVEMENT SURFACES ADJACENT TO LAWN AREAS SHALL BE CLEAN AND FREE OF SPILLS OR OVERSPRAY FROM PLACING OR HANDLING OF TOPSOIL AND

1. UPON WRITTEN REQUEST OF THE CONTRACTOR, THE LANDSCAPE ARCHITECT SHALL INSPECT ALL LAWN AREAS TO DETERMINE COMPLETION OF THE CONTRACT WORK. THIS REQUEST MUST BE SUBMITTED AT LEAST FIVE (5) DAYS PRIOR TO THE ANTICIPATED INSPECTION DATE AND AFTER THE THIRD MOWING OF FINE LAWNS. 2. IF THE LAWNS ARE NOT ACCEPTABLE, THE LANDSCAPE ARCHITECT SHALL INDICATE CORRECTIVE MEASURES TO BE TAKEN, AND SHALL EXTEND THE MAINTENANCE PERIOD

INSPECTION SHALL NOT TAKE PLACE UNTIL THE LAWN AREA IN QUESTION HAS RECEIVED AT LEAST ONE ADDITIONAL CUTTING. THIS PROCESS SHALL BE REPEATED UNTIL 3. IF THE LAWN AREAS ARE ACCEPTABLE TO THE LANDSCAPE ARCHITECT, HE SHALL ARRANGE A MEETING OF THE CONTRACTOR AND THE OWNER TO ACCEPT THE LAWN WORK. A FINAL INSPECTION SHALL BE PART OF THIS MEETING TO INSURE ACCEPTABILITY. AT THIS MEETING, THE CONTRACTOR SHALL BE FURNISHED WITH A WRITTEN ACCEPTANCE FOR THE LAWN SECTION BEING APPROVED. THE CONTRACTOR SHALL HAND OVER MAINTENANCE OF THE LAWN TO THE OWNER AT THIS MEETING, AND SHALL PROVIDE THE OWNER WITH THREE COPIES OF THE MAINTENANCE MANUAL FOR THE LAWN AS DESCRIBED HEREIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL

1. FOLLOWING THE ACCEPTANCE OF LAWNS, THE CONTRACTOR SHALL IMMEDIATELY REMOVE FROM THE SITE ALL MATERIALS AND EQUIPMENT NOT REQUIRED FOR OTHER PLANTING OR MAINTENANCE WORK. MATERIALS AND EQUIPMENT REMAINING ON THE SITE SHALL BE STORED IN LOCATIONS WHICH DO NOT INTERFERE WITH THE OWNER'S

A. DRAWINGS AND GENERAL PROVISIONS OF CONTRACT, INCLUDING GENERAL CONDITIONS AND DIVISION 1 SPECIFICATION SECTIONS APPLY TO THIS SECTION. B. EXAMINE ALL OTHER SECTIONS OF THE SPECIFICATIONS FOR REQUIREMENTS WHICH AFFECT WORK OF THIS SECTION WHETHER OR NOT SUCH WORK IS SPECIFICALLY MENTIONED IN THIS SECTION. SEE DRAWINGS FOR LOCATIONS AND DETAILS.

C. COORDINATE WORK WITH THAT OF ALL OTHER TRADES AFFECTING, OR AFFECTED BY WORK OF THIS SECTION. COOPERATE WITH SUCH TRADES TO ASSURE THE STEADY

ALL NECESSARY CONSTRUCTION PERMITS.

PROGRESS OF ALL WORK UNDER THE CONTRACT.

A. WORK IN THIS SECTION INCLUDES THE FOLLOWING: 1. FURNISHING ALL MATERIALS, SUPPLIES, LABOR, EQUIPMENT AND PERFORMING ALL OPERATIONS IN CONNECTION WITH FINISH GRADING OF TOPSOIL, AND PREPARATION THEREOF FOR SEEDING, LAYING OF SOD, FERTILIZING, LIMING, HYDRO-MULCHING, EROSION CONTROL, MAINTENANCE AND PROTECTION OF ALL PLANTED AND PAVED AREAS

AND CLEAN-UP. B. RELATED SECTIONS (AS MAY BE PROVIDED BY CIVIL ENGINEER):

SECTION 02300 "EARTHWORK" SECTION 02955 "TREES, SHRUBS AND GROUND COVERS" LOCAL GOVERNING AUTHORITY AND CODE REQUIREMENTS.

1.3 SUBMITTALS

1. CERTIFICATES ATTESTING THAT THE FOLLOWING MATERIAL MEET THE REQUIREMENTS SPECIFIED, SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT FOR THEIR SELECTION AND APPROVAL IN ACCORDANCE WITH THE REQUIREMENTS OF GENERAL CONDITIONS. a. SEED

b. FERTILIZER

2. MANUFACTURER'S LITERATURE/PRODUCT DATA MANUFACTURER'S LITERATURE ON THE FOLLOWING MATERIALS SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT. a. MULCH

b. HYDROMULCH BINDER c. EROSION CONTROL FABRIC

.4 QUALITY ASSURANCE A. QUALIFICATIONS OF WORKMEN:

1. PROVIDE AT LEAST ONE PERSON WHO SHALL BE PRESENT AT ALL TIMES DURING EXECUTION OF THIS PORTION OF THE WORK AND WHO SHALL BE THOROUGHLY FAMILIAR WITH THE TYPE OF MATERIALS BEING INSTALLED AND THE BEST METHODS FOR THEIR INSTALLATION AND WHO SHALL DIRECT ALL WORK PERFORMED UNDER THIS SECTION.

1.5 DELIVERY, STORAGE, HANDLING

A. SEED: SEED SHALL BE DELIVERED IN ORIGINAL SEALED PACKAGES BEARING THE PRODUCER'S GUARANTEED ANALYSIS FOR PERCENTAGES OF MIXTURES, PURITY, GERMINATION, WEED SEED CONTENT, AND INERT MATERIAL. SEED SHALL BE LABELED IN CONFORMANCE WITH THE U.S. DEPARTMENT OF AGRICULTURAL RULES AND REGULATIONS AND APPLICABLE STATE SEED LAWS. SEED THAT HAS BECOME WET, MOLDY, OR DAMAGED, WILL NOT BE ACCEPTABLE.

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COMMENTS

LANDSCAPE

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LANDSCAPE

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NEM HAMDSHIDE IMVASIVE SDESIES SOME	NH INVASIVE SPECIES WATCH LIST (CONT.)		NEW HAMDSHIDE INIVASIVE SPECIES COMME	NH INVASIVE SPECIES WATCH LIST (CONT.)		OWNER JASON DONOVAN
NEW HAMPSHIRE INVASIVE SPECIES COMMITT			NEW HAMPSHIRE INVASIVE SPECIES COMMIT SCIENTIFIC NAME	TEE - APPROVED BY THE ISC JANUARY 2023 SYNONYMS	COMMON NAME	PO BOX 937 BANGOR, ME 04402
	T SPECIES BASED ON DEGREE OF INVASIVE QUALITIES (E.G., AGGRESSIVE GROWTH, RAPID REPRODUCTION, A	ND/OR LACK OF NATURAL HERBIVORES) AND	PISTIA STRATIODES L.		WATER LETTUCE	P. (887) 226-4671
PRESENCE (BUT NOT NECESSARILY ABUNDANCE) IN NI 2. INFORM PREVENTION (E.G., EARLY DETECTION/RAPIO	H AND/OR NEARBY ELSEWHERE IN NEW ENGLAND D RESPONSE), MONITORING, AND MANAGEMENT DECISION-MAKING FOR SPECIES THAT MAY IMPACT NH'S ECOS	YSTEMS OR ECONOMY	POA COMPRESSA L.		FLAT-STEMMED BLUE GRASS	
B. INCREASE AWARENESS OF INVASIVE PLANT SPECIES			POA NEMORALIS L.		WOOD BLUE GRASS	CONSTRUCTION MANAGER TRD
SCIENTIFIC NAME	SYNONYMS	COMMON NAME	POPULUS ALBA L.	POPULUS ALBA L. VAR. BOLLEANA LAUCHE	WHITE POPLAR	
FESTUCA FILIFORMIS POURRET	FESTUCA CAPILLATA LAM.; F. OVINA L. VAR. CAPILLATA (LAM.) ALEF.; F. TENUIFOLIA SIBTHORP	FINE-LEAVED SHEEP FESCUE	POTAMOGETON CRISPUS L.		CURLY-LEAF PONDWEED	
FICARIA VERNA HUDS. SSP. FERTILIS (LAWRALRÉE EX LAEGAARD) STACE	FICARIA VERNA HUDS. SSP. BULBIFERA A. & D. LÖVE; RANUNCULUS FICARIA L. SSP. BULBILIFER LAMBINON; FICARIA L. SSP. BULBIFERA (MARSDEN-JONES) LAWALREE, AN ILLEGITIMATE NAME; R. FICARIA VAR.	R. FIG-CROWFOOT	PUERARIA MONTANA (LOUR.) MERR. VAR. LOBATA	DOLICHOS LOBATUS WILLD.; PUERARIA LOBATA (WILLD.) OHWI; PUERARIA THUNBERGIANA (SIEB. & ZUCC.)	KUDZU	
,	BULBIFERA MARSDEN-JONES		(WILLD.) MAESEN & S. ALMEIDA PYRACANTHA COCCINEA M. ROEM.	BENTH COTONEASTER PYRACANTHA (L.) SPACH; MESPILUS PYRACANTHA L.	SCARLET FIRETHORN	CONSULTANTS: <u>CIVIL</u>
FRANGULA ALNUS P. MILL.	RHAMNUS FRANGULA L.	GLOSSY BUCKTHORN	PYRUS CALLERYANA DCNE.	COTONEASTER PTRACANTRA (L.) SPACH, MESPILUS PTRACANTRA L.	BRADFORD PEAR	NOBIS GROUP
FROELICHIA GRACILIS (HOOK.) MOQ.	OPLOTHECA GRACILIS MOQ.	SLENDER COTTON-WEED	THOS ONLE ITANA BONE.	RANUNCULUS REPENS L. VAR. DEGENERATES SCHUR; R. REPENS L. VAR. ERECTUS DC.; R. REPENS L. VAR.		18 CHENELL DRIVE CONCORD, NH 03301
GALIUM MOLLUGO L.		WHORLED BEDSTRAW	RANUNCULUS REPENS L.	GLABRATUS DC.; R. REPENS L. VAR. PLENIFLORUS FERN.; R. REPENS L. VAR. VILLOSUS LAMOTTE	SPOT-LEAVED CROWFOOT	P. (603) 224-4183
GLECHOMA HEDERACEA L.	GLECHOMA HEDERACEA L. VAR. MICRANTHA MORIC.; G. HEDERACEA L. VAR. PARVIFLORA (BENTH.) HOUSE; NEPETA HEDERACEA (L.) TREVISAN	GILL-OVER-THE-GROUND	RAPHANUS RAPHANISTRUM L. SSP. RAPHANISTRUM		WILD RADISH	<u>LANDSCAPE</u>
GLYCERIA MAXIMA (HARTMAN) HOLMB.	GLYCERIA SPECTABILIS MERT. & KOCH; MOLINIA MAXIMA HARTMAN	RED SWEET GRASS				WARRENSTREET ARCHITECTS 4 CRESCENT STREET, UNIT 2
GYPSOPHILLA PANICULATA		BABY'S BREATH	RAPISTRUM RUGOSUM (L.) ALL. SSP. RUGOSUM	MYAGRUM RUGOSUM L.	ANNUAL BASTARD-CABBAGE	CONCORD, NH 03301 P. (603) 225-0640
			REYNOUTRIA JAPONICA HOUTT. VAR. JAPONICA	FALLOPIA JAPONICA (HOUTT.) R. DECR.; PLEUROPTERUS CUSPIDATUS (SIEB. & ZUCC.) MOLDENKE; POLYGONUM CUSPIDATUM SIEB. & ZUCC.	JAPANESE KNOTWEED	
HERACLEUM MANTEGAZZIANUM SOMMIER & LEVIER		GIANT HOGWEED	REYNOUTRIA SACHALINENSIS (F. SCHMIDT EX MAXIM.)	FALLOPIA SACHALINENSIS (F.S. PETROP. EX MAXIM.) R. DECR.; POLYGONUM SACHALINENSE F. SCHMIDT EX	GIANT KNOTWEED	<u>STRUCTURAL</u> TF MORAN, INC.
HESPERIS MATRONALIS L.		DAME'S ROCKET	NAKAI	FALLOPIA JAPONICA X F. SACHALINENSIS; FALLOPIA X BOHEMICA (CHRTEK & CHRTKOVÁ) J.P. BAILEY;		48 CONSTITUTION DRIVE BEDFORD, NH 03110
HUMULUS JAPONICUS SIEB. & ZUCC. HYDRILLA VERTICILLATA (L. F.) ROYLE	SERPICULA VERTICILLATA L. F.	JAPANESE HOP HYDRILLA	REYNOUTRIA X BOHEMICA CHRTEK & CHRTKOVÁ	POLYGONUM X BOHEMICUM (CHRTEK & CHRTKOVÁ) P.F. ZIKA & A.L. JACOBSON	BOHEMIA KNOTWEED	P. (603) 472-4488
HYDROCHARIS MORSUS-RANGE L.	SERPICULA VERTICILLATA L. F.	EUROPEAN FROGBIT	RHAMNUS CATHARTICA L.		COMMON BUCKTHORN	MECHANICAL/PLUMBING
	HIGTIGIA DOLVODEDMA (DOVO). HEMBELDING DOLVODEDMA (DOVO).		RHINANTHUS MINOR L. SSP. MINOR	RHINANTHUS CRISTA-GALLI L., IN PART; R. CRISTA-GALLI L. VAR. FALLAX (WIMMER & GRAB.) DRUCE; R.	LITTLE YELLOW-RATTLE	WV ENGINEERING ASSOCIATES 11 KING COURT
HYGROPHILA POLYSPERMA (ROXB.) T. ANDERS	JUSTICIA POLYSPERMA (ROXB.); HEMIDELPHIS POLYSPERMA (ROXB.) NEES IN WALL.	EAST INDIAN HYGROPHILA	ROBINIA PSEUDOACACIA L.	STENOPHYLLUS (SCHUR) SCHINZ & THELLUNG	BLACK LOCUST	KEENE, NH 03431
HYLOTELEPHIUM TELEPHIUM (L.) H. OHBA SSP. TELEPHIUM	SEDUM PURPUREUM (L.) J.A. SCHULTES; S. PURPURASCENS W.D.J. KOCH; S. TELEPHIUM L.	PURPLE ORPINE	ROSA MULTIFLORA THUNB. EX MURR.		MULTIFLORA ROSE	P. (603) 352-7005
MPATIENS GLANDULIFERA ROYLE	IMPATIENS ROYLEI WALP.	ORNAMENTAL JEWELWEED	ROSA RUGOSA THUNB.		BEACH ROSE	ELECTRICAL WV ENGINEERING ASSOCIATES
POMOEA AQUATICA FORRSK.	IPOMOEA REPTANS AUCT.	WATER SPINACH	RUMEX ACETOSELLA L. SSP. PYRENAICUS (POURRET	ACETOSELLA VULGARIS (KOCH) FOURR. SSP. PYRENAICA (POURRET EX LAPEYR.) Á. LÖVE; RUMEX ACETOSELLA L. VAR. PYRENAICUS (POURRET EX LAPEYR.) TIMBAL-LAGRAVE; R. PYRENAICUS POURRET EX	SHEED DOOK	11 KING COURT KEENE, NH 03431
POMOEA AQUATICA FORRSK. (ALOPANAX SEPTEMLOBUS (THUNB.) KOIDZ	IPOMOEA REPTANS AUCT. ACANTHOPANAX RICINIPOLIUS (SIEB. & ZUCC.) SEEM.; KALOPANAX PICTUS (THUNB.) NAKAI	WATER SPINACH CASTOR-ARALIA	LAPEYR.) AKEROYD	LAPEYR.	ONEEY DUUK	KEENE, NH 03431 P. (603) 352-7005
,	BASSIA SCOPARIA (L.) A.J. SCOTT; CHENOPODIUM SCOPARIUM L.; KOCHIA SCOPARIA (L.) SCHRAD. VAR.	+		SAGITTARIA JAPONICA (HORT.); SAGITTARIA SAGITTIFOLIA VAR. EDULIS SIEBOLD EX MIQ.; SAGITTARIA		OTHER
(OCHIA SCOPARIA (L.) SCHRAD.	PUBESCENS FENZL; K. SCOPARIA (L.) SCHRAD. VAR. SUBVILLOSA MOQ.	SUMMER-CYPRESS	SAGITTARIA SSAGITTIFOLIA L.	SAGITTIFOLIA VAR. LEUCOPETALA MIQ.; SAGITTARIA SINENSIS SIMS; SAGITTARIA TRIFOLIA L.; SAGITTARIA TRIGOLIA VAR. EDULIS (SIEBOLD EX MIQ.); SAGITTARIA TRIFOLIA VAR. SINENSIS (SIMS) MAKINO	GIANT SAGITTARIA	N/A
AGAROSIPHON MAJOR (RIDL.) MOSS	ELODEA CRISPA HORT. EX HENKEL; LAGAROSIPHON MUSCOIDES HARV. VAR. MAJOR RIDL.	AFRICAN OXYGEN WEED	CALVINIA MOLECTA MITOLIELI	The state of the s	CIANT CALVINIA	
AMIUM AMPLEXICAULE L. VAR. AMPLEXICAULE		COMMON HENBIT	SALVINIA MOLESTA MITCHELL		GIANT SALVINIA	
AMIUM PURPUREUM L.	LAMIUM DISSECTUM WITH.; L. HYBRIDUM, OF AUTHORS NOT VILL.	RED HENBIT	SECURIGERA VARIA (L.) LASSEN	CORONILLA VARIA L.	PURPLE CROWN-VETCH	
EPIDIUM LATIFOLIUM L.	CARDARIA LATIFOLIA (L.) SPACH	PERENNIAL PEPPERWEED	SILPHIUM PERFOLIATUM L.		CUP-PLANT ROSINWEED	│ Warren
LESPENDEZA BICOLOR TURCZ.		TWO-COLORED BUSH-CLOVER	SINAPIS ARVENSIS L.	BRASSICA ARVENSIS RABENH.; B. KABER (DC.) L.C. WHEELER; B. KABER (DC.) L.C. WHEELER VAR. PINNATIFI	IDA COBN CHABI OCK	Planning Landscapes
		TWO-COLORED BOSH-CLOVER	SINAPIS ARVENSIS L.	(STOKES) L.C. WHEELER	CORN CHARLOCK	WARRENSTREET ARCHITECTS, IN
LIGUSTRUM OBTUSIFOLIUM SIEB. & ZUCC. VAR. OBTUSIFOLIUM	LIGUSTRUM OBTUSIFOLIUM VAR. LEIOCALYX (NAKAI) H. HARA	BLUNT-LEAVED PRIVET	SOLANUM CAROLINENSE L. VAR. CAROLINENSE		CAROLINA NIGHTSHADE	4 CRESCENT STREET, UNIT 2 CONCORD, NEW HAMPSHIRE 0330
LIGUSTRUM VULGARE L.		COMMON PRIVET	SOLANUM DULCAMARA L.		CLIMBING NIGHTSHADE	40 STARK STREET MANCHESTER, NEW HAMPSHIRE
IMNIRIS PSEUDACORUS (L.) FUSS	IRIS PSEUDACORUS L.	YELLOW IRIS		CONSULIO ADVENDO L. COD. LILICINOCULO (DIED.) ANAMANI O LILICINOCULO DIED.		P. (603) 225-0640
IMNOPHILA SESSILIFLORA (VAHL) BLUME	HOTTONIA SESSILIFLORA (VAHL); TEREBINTHINA SESSILIFLORA (VAHL) KUNTZE	AMBULIA	SONCHUS ARVENSIS L. SORBARIA SORBIFOLIA (L.) A. BRAUN	SONCHUS ARVENSIS L. SSP. ULIGINOSUS (BIEB.) NYMAN; S. ULIGINOSUS BIEB. SCHIZONOTUS SORBIFOLIUS (L.) LINDL.; SPIRAEA SORBIFOLIA L.	FIELD SOW-THISTLE FALSE SPIRAEA	WWW.WARRENSTREET.COOP
ONICERA FRAGRANTISSIMA LINDL. & PAXTON	XYLOSTEON FRAGRANTISSIMUM (LINDL. & PAXTON) SMALL	SWEET BREATH OF SPRING	SPIREA JAPONICA VAR. GOLDFLAME	SOURCE OF SOUR	JAPANESE SPIREA	SEAL:
	, , ,		TANACETUM VULGARE L.	CHRYSANTHEMUM ULIGINOSUM PERS.; C. VULGARE (L.) BERNH.	COMMON TANSY	
ONICERA JAPONICA THUNB.	NINTOOA JAPONICA (THUMB.) SWEET	JAPANESE HONEYSUCKLE	TRAPA NATANS L. (AND ALL OTHER TRAPA SPECIES)		WATER CHESTNUT	JONATH R.
ONICERA MAACKII (RUPR.) HERDER		AMUR HONEYSUCKLE	, , , , , , , , , , , , , , , , , , ,			HALLI
LONICERA MORROWII GRAY		MORROW'S HONEYSUCKLE	TRIBULUS TERRESTRIS L.		PUNCTURE-VINE	1/10
ONICERA TATARICA L.	LONIOS DA MODROMINAL TATADIOA	TARTARIAN HONEYSUCKLE	TUSSILAGO FARFARA L. TYPHA GRACILIS JORD.	TYPHA LUGDUNENSIS P. CHABERT	COLTSFOOT SLENDER CATTAIL	
ONICERA XBELLA ZABEL ONICERA XYLOSTEUM L.	LONICERA MORROWII X L. TATARICA	BELLA HONEYSUCKLE FLY HONEYSUCKLE	TYPHA LAXMANII LEPECH.		DRAWF CATTAIL	PROJECT TITLE / ADDRESS:
LUPINUS POLYPHYLLUS LINDL. VAR. POLYPHYLLUS	LUPINUS PALLIDIPES HELLER; L. POLYPHYLLUS LINDL. VAR. ALBIFLORUS L.H. BAILEY; L. POLYPHYLLUS LIND		TYPHA MINIMA FUNCK EX HOPPE	ROHRBACHIA MINIMA [FUNCK EX HOPPE] MAVRODIEV	MINIATURE CATTAIL	BANGOR SAVING
	VAR. FALLIDIFES (HELLER) C.F. SW.		TYPHA ×GLAUCA GODR.		HYBRID CATTAIL	
LYCHNIS FLOS-CUCULI L. SSP. FLOS-CUCULI	CORONARIA FLOS-CUCULI (L.) A. BRAUN; SILENE FLOS-CUCULI (L.) CLAIRVILLE	RAGGED ROBIN LYCHNIS	ULMUS PUMILA L.		SIBERIAN ELM	LOUDON
YSIMACHIA ARVENSIS (L.) U. MANNS & A. ANDERB.	ANAGALLIS ARVENSIS L.; A. ARVENSIS L. VAR. CAERULEA (SCHREB.) GREN. & GODR.; A. CAERULEA SCHREB.	SCARLET PIMPERNEL	UTRICULARIA INFLATA WALT.	PLECTOMA INFLATA (WALT.) RAF.; UTRICULARIA CERATOPHYLLA MICHX.	SWOLLEN BLADDERWORT	111 LOUDON RD
LYSIMACHIA NUMMULARIA L.		MONEYWORT	VALERIANA OFFICINALIS L.		COMMON VALERIAN	CONCORD, NH 03301
			VERBASCUM THAPSUS		GREAT MULLELIN SEED	DI ANIZEV.
LYSIMACHIA VULGARIS L.		GARDEN YELLOW-LOOSESTRIFE	VINCA MAJOR L.	VINCA MAJOR VAR. VARIEGATA LOUD.	GREATER PERIWINKLE	PLAN KEY:
YTHRUM SALICARIA L.	LYTHRUM SALICARIA VAR. GRACILIOR TURCZ.; LYTHRUM SALICARIA VAR. TOMENTOSUM (P. MILL.) DC.	PURPLE LOOSESTRIFE	VINCA MINOR L.		LESSER PERIWINKLE	
			VINCETOXICUM NIGRUM (L.) PERS.	CYNANCHUM LOUISEAE KARTESZ & GANDHI; CYNANCHUM NIGRUM (L.) PERS.	BLACK SWALLOWWORT	
MARSILEA QUADRIFOLIA L.	ANDDODOCON VIMINICIAN TOIN - CHI ALIA VIMINICA /TDIN VIZINITE	WATER FERM				
MICROSTEGIUM VIMINEUM (TRIN.) A. CAMUS	ANDROPOGON VIMINEUM TRIN.; EULALIA VIMINEA (TRIN.) KUNTZE	JAPANESE STILT GRASS	VINCETOXICUM ROSSICUM (KLEOPOW) BARBARICH	CYNANCHUM MEDIUM, OF AUTHORS NOT R. BR.; CYNANCHUM ROSSCUM KLEOPOW IN HILL; VINCETOXICUM MEDIUM, OF AUTHORS NOT (R. BR.) DCNE.	PALE SWALLOWWORT	
MICROTHLASPI PERFOLIATUM (L.) F.K. MEY.	THLASPI PERFOLIATUM L.	THOROUGHWORT PENNYCRESS	WISTERIA SINENSIS		CHINESE WISTERIA, BLUE WISTERIA	
MISCANTHUS SINENSIS ANDERSS.	MISCANTHUS SINENSIS ANDERSS. VAR. GRACILLIMUS A.S. HITCHC.	CHINESE SILVERGRASS, JAPANESE SILVERGRAS	SS			
MICCANTUIC CINECIC VARIFOATUO		MAIDEN CDASS				
MISCANTHUS SINESIS VARIEGATUS	LACTUCA MUDALIC (LA EDECETICA	MAIDEN GRASS				
MYCELIS MURALIS (L.) DUMORT.	LACTUCA MURALIS (L.) FRESEN.	WALL-LETTUCE	_			
MYOSOTIS SCORPIOIDES L.	MYOSOTIS PALUSTRIS (L.) HILL	WATER FORGET-ME-NOT				SCALE: AS NOTED DWN B
MYRIOPHYLLUM AQUATICUM (VELL.) VERDC.	ENYDRIA AQUATICA VELL.; MYRIOPHYLLUM BRASILIENSE CAMB., MYRIOPHYLLUM PROSERPINACOIDES GILLIES EX HOOK. & ARN.	PARROT FEATHER				PROJECT #: 3728 CHK BY PRINT DATE: 12/17/2
MYRIOPHYLLUM HETEROPHYLLUM MICHX.	ORELEO EN HOOK, & AIM.	VARIABLE MILFOIL				
MYRIOPHYLLUM SPICATUM L.		EURASIAN WATER-MILFOIL				ISSUE DATE: 12/17/202
NAJAS MINOR ALL.	CAULINIA MINOR (ALL.) COSS. & GERM.	EUROPEAN NAIAD				PERMIT SET
NASTURTIUM MICROPHYLLUM BOENN. EX REICHENB.	NASTURTIUM OFFICINALE AIT. F. VAR. MICROPHYLLUM (BOENN. EX REICHENB.) THELLUNG; RORIPPA MICROPHYLLA (BOENN. EX REICHENB.) HYL. EX A. & D. LÖVE	ONE-ROWED WATER-CRESS				
NASTURTIUM OFFICINALE AIT. F.	BAEUMERTA NASTURTIUM-AQUATICUM (L.) HAYEK; RORIPPA NASTURTIUM AQUATICUM (L.) HAYEK;	TWO-ROWED WATER-CRESS				REV. DATE
	SISYMBRIUM NASTURTIUM-AQUATICUM L.					
NYMPHOIDES PELTATA (GMEL.) KUNTZE	LIMNANTHEMUM PELTATUM GMEL.; NYPHOIDES NYMPHAEOIDES (L.) BRITT.	YELLOW FLOATING HEART				
DENANTHE JAVANICA (BLUME) DC	DAOTINA OA OATIVA VAD DE TENEVO DETE	JAVA WATER DROPWORT				
PASTINACA SATIVA L.	PASTINACA SATIVA VAR. PRATENSIS PERS.	WILD PARSNIP				
PAULOWNIA TOMENTOSA (THUNB.) SIEB. & ZUCC. EX STEUD.	BIGNONIA TOMENTOSA THUNB.	EMPRESS-TREE				
DEDOLO DIA LO MONOSTA (DE 11 11 11 11 11 11 11 11 11 11 11 11 11	PERSICARIA CAESPITOSA (BLUME) NAKAI VAR. LONGISETA (BRUIJN) REED; POLYGONUM CAESPITOSUM	ODIENTAL LADVIC TURES COM-				INVASIVE SPECIE
PERSICARIA LONGISETA (BRUIJN) KITAGAWA	BLUME VAR. LONGISETUM (BRUIJN) STEWARD; P. LONGISETUM BRUIJN	ORIENTAL LADY'S-THUMB SMARTWEED				CONT.
PERSICARIA PERFOLIATA (L.) H. GROSS	AMPELYGONUM PERFOLIATUM (L.) ROBERTY & VAUTIER; POLYGONUM PERFOLIATUM L.	MILE-A-MINUTE WEED				
· ·	PHALARIS ARUNDINACEA VAR. PICTA L.: PHALAROIDES ARUNDINACEA (L.) RAEUSCH.: PHALAROIDES		_			1 A 4
PHALARIS ARUNDINACEA L.	PHALARIS ARUNDINACEA VAR. PICTA L.; PHALAROIDES ARUNDINACEA (L.) RAEUSCH.; PHALAROIDES ARUNDINACEA VAR. PICTA (L). TZVELEV	REED CANARY GRASS				 Δ1
PHELLODENDRON AMURENSE RUPR.	PHELLODENDRON AMURENSE RUPR. VAR. SACHALINENSE F. SCHMIDT; P. JAPONICUM MAXIM.; P. SACHALINENSE (F. SCHMIDT) SARG.	AMUR CORKTREE				
	PHRAGMITES COMMUNIS TRIN.	COMMON REED				SHEET NUMBER: 7 OF 8 LA
'HRAGMITES AUSTRALIS (CAV.) TRIN EX STELLO		COMMON NEED				THE DRAWING AND ITS CONTENT IS THE INTELLEC' ARCHITECTS INC. WITH THE SOLE INTENT TO BUILD
PHRAGMITES AUSTRALIS (CAV.) TRIN. EX STEUD. PINUS SYLVESTRIX L.		SCOTCH PINE				LOCATION NOTED HEREIN. THE USE OF THE CONTE PROHIBITED AND PROTECTED UNDER COPYRIGHT

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WV FNGINFFRING ASSOCIATES

WV ENGINEERING ASSOCIATES

WARRENSTREET ARCHITECTS, INC. 4 CRESCENT STREET, UNIT 2 CONCORD, NEW HAMPSHIRE 03303 MANCHESTER, NEW HAMPSHIRE 03103

JONATHAN HALLE

BANGOR SAVINGS BANK -

SCALE: AS NOTED DWN BY: EH PROJECT #: 3728 CHK BY: JH 12/17/2024 3:10:18 PM

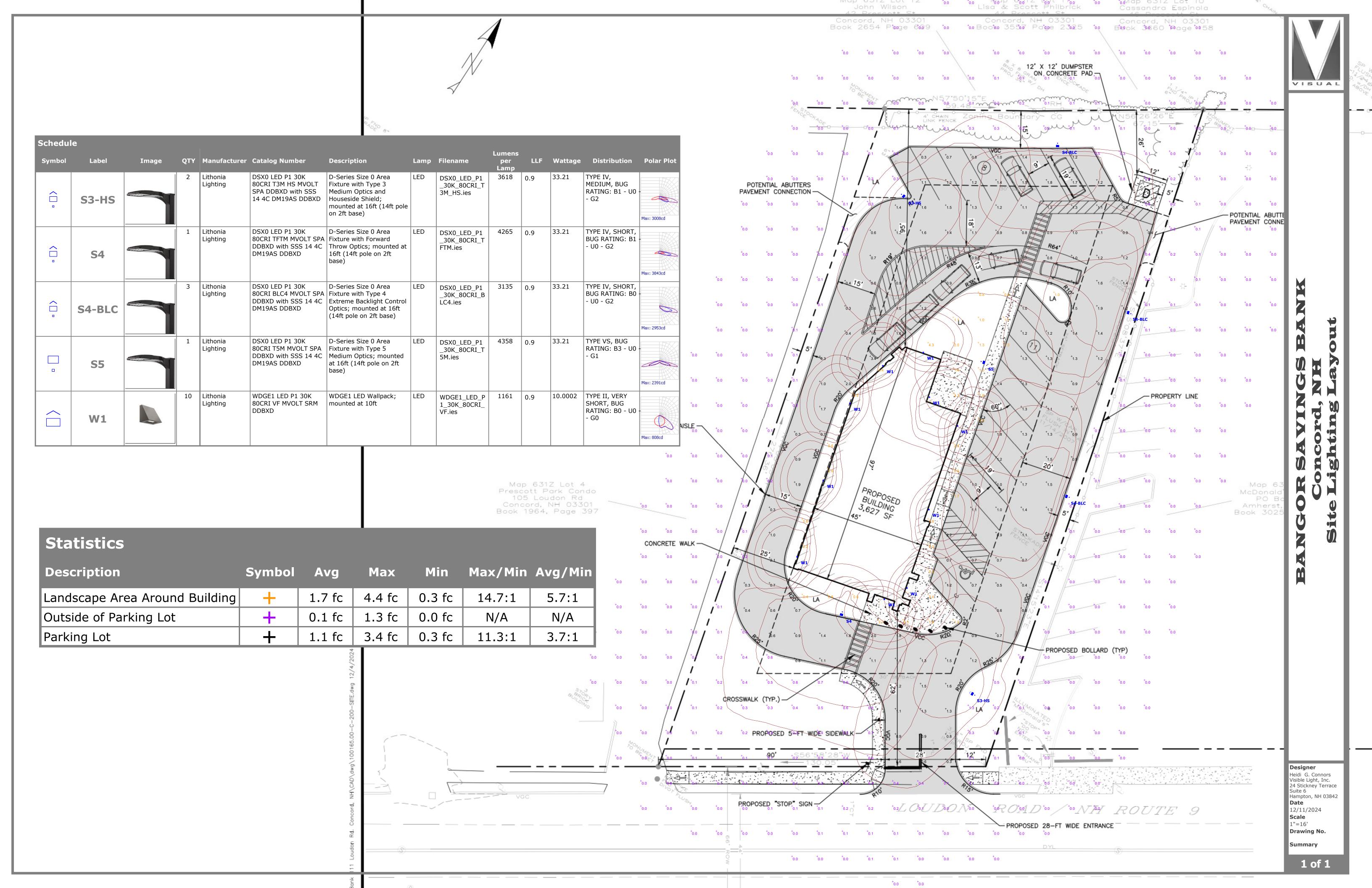
COMMENTS

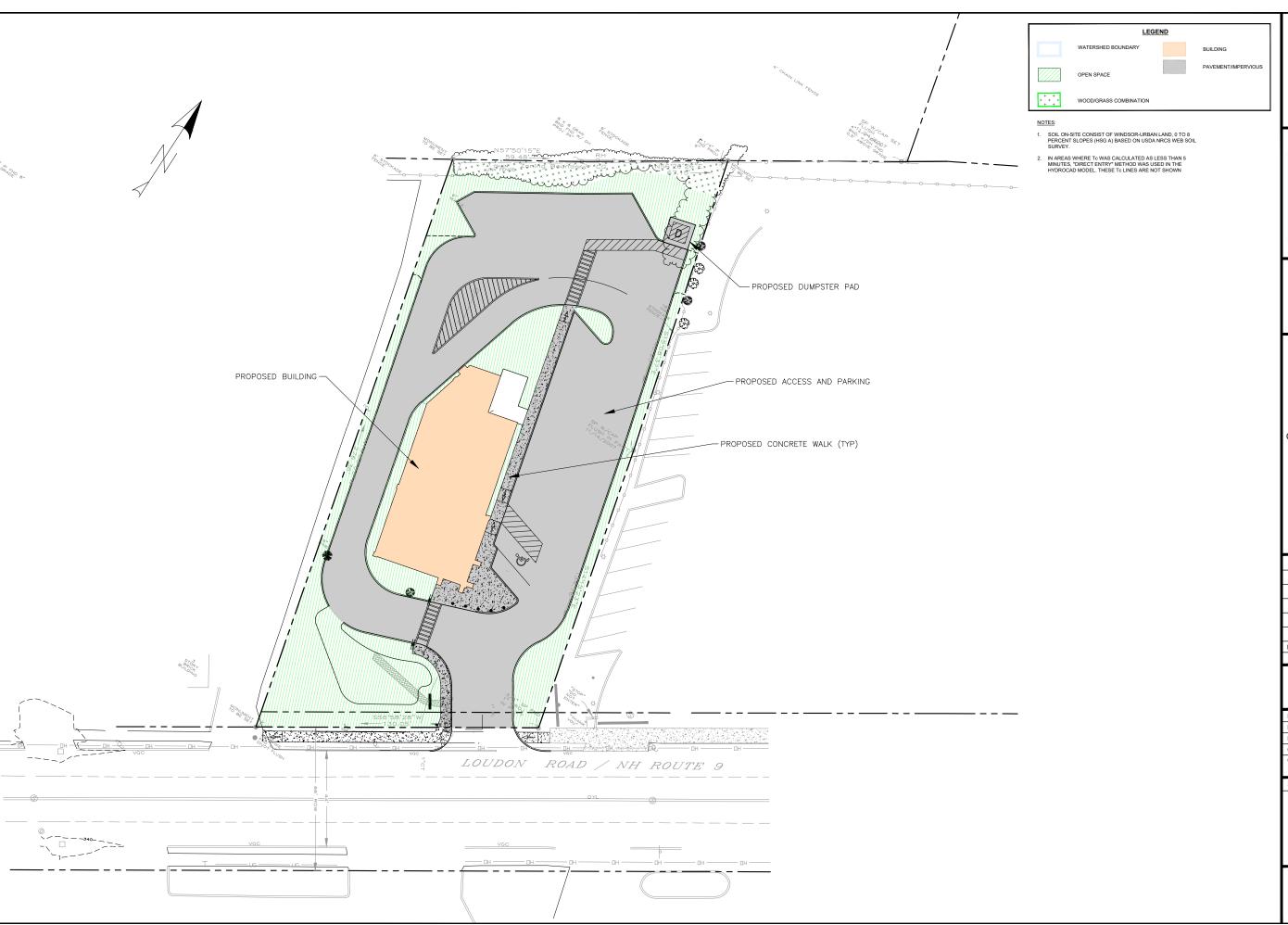
IRRIGATION SPECIFICATIONS

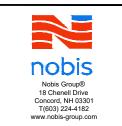
SHEET NUMBER: 8 OF 8 LANDSCAP

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BANGOR SAVINGS BANK

111 LOUDON ROAD CONCORD, NEW HAMPSHIRE

APPLICANT: BANGOR SAVINGS BANK P.O BOX 930 BANGOR, ME 04402

NO.	DATE	DESCRIPTION
	RF'	VISIONS

0 20' 40 GRAPHIC SCALE

DATE:	DEC 2024
NOBIS PROJECT NO.	100165.00
DRAWN BY:	KLR
CHECKED BY:	JIR
CAD DRAWING FILE:	
100165.000- PROPOSI	ED WATERSHED

SHEET TITLE

COLORED OVERVIEW MAP

SHEET C