OWNER

MAP 7932 LOT 23 JTA REALTY INVESTMENTS, LLC. 47 HALL STREET CONCORD, NH 03301-3591

ENGINEER

NORTHPOINT ENGINEERING, LLC 119 STORRS ST., STE 201 CONCORD, NH 03301

ABUTTERS

MAP 793Z LOT 1 DHYAN HOTEL, LLC 83 HARTWELL AVENUE LEXINGTON, MA 02421-3116

MAP 793Z LOT 22 ATG CORPORATION

286 SOUTH STREET CONCORD, NH 03301-3185

MAP 7932 LOT 22 FLO HAMPSHIRE COMMONS, LLC. 50 BROAD STREET SALEM, MA 01970-3165

APPLICANT

METRO TREATMENT OF NEW HAMPSHIRE, LP 100 HALL STREET CONCORD, NH 03301

SURVEYOR

RICHARD D. BARTLETT, & ASSOCIATES, LLC. 214 NORTH STATE STREET CONCORD, NH 03301

<u>MAP 793Z LOT 25</u> C500 LIMITED PARTNERSHIP 286 SOUTH STREET CONCORD, NH 03301-2164

MAP 7922 LOT 39 CAPITAL HOTEL COMPANY III, LLC. 2 PILLSBURY STREET STE 500 CONCORD, NH 03301-3576

PROPOSED

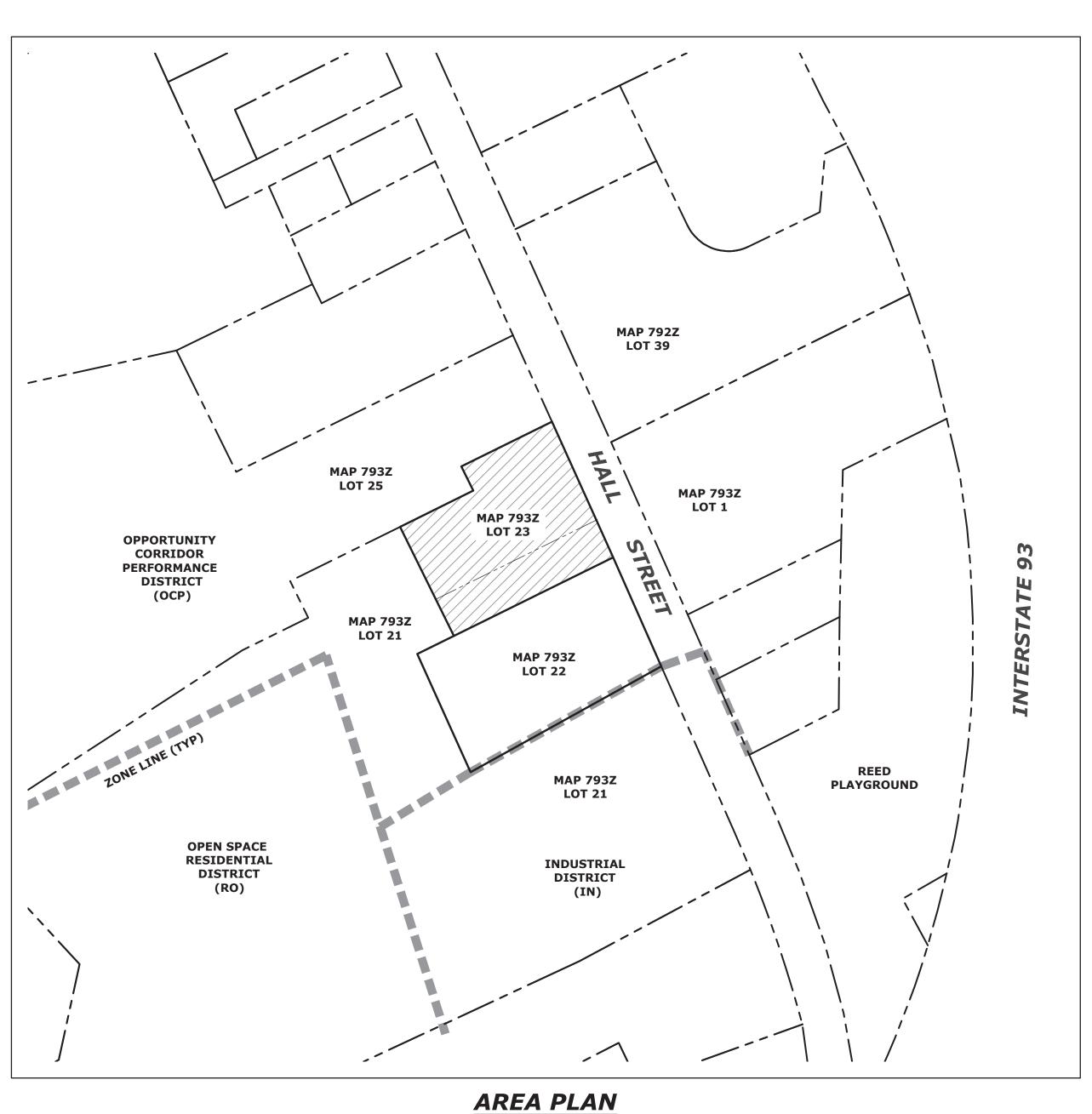
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DESCRIPTION
STONE BOUND
BENCHMARK
IRON PIPE/PIN
DRILL HOLE
CATCH BASIN
DRAIN MANHOLE
SEWER MANHOLE
CLEANOUT
MONITORING WELL
UTILITY VALVE
WATER SHUT-OFF VALVE
FIRE HYDRANT
WELL
SIGN
BOLLARD
UTILITY POLE
GUY WIRE
GOT WIKE
TREE
SHRUB
WETLAND SYMBOL
SPOT GRADE
WETLAND LIMITS
EDGE OF WATER
BOUNDARY
ABUTTER LINE
EASEMENT
EDGE OF PAVEMENT
CONTOUR (2-FT)
CONTOUR (10-FT)
WATER LINE
SEWER LINE
SEWER FORCE MAIN
GAS LINE
DRAINAGE LINE (<12")
DRAINAGE LINE (>12")
UNDERDRAIN
UNDERGROUND UTIL.
OVERHEAD UTIL.
STONEWALL
RETWALL
FENCE
SILT FENCE
TREELINE
WETLAND IMPACT AREA
WETLAND NON-DISTURB AREA

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METRO TREATMENT OF NEW HAMPSHIRE, LP



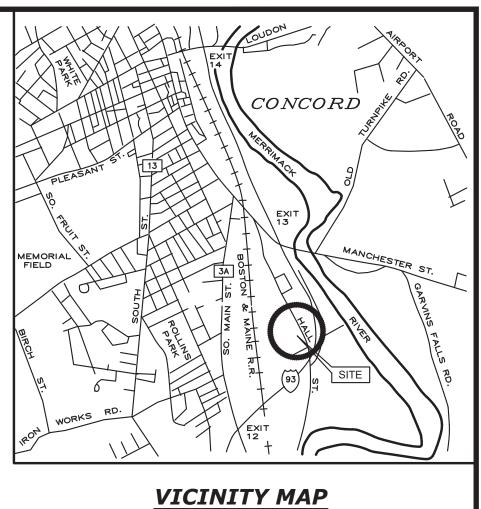


SITE IMPROVEMENT PLANS

PREPARED FOR:

(TAX MAP 793Z LOT 23) **96 HALL STREET** CONCORD, NH

SCALE: 1"=100'±

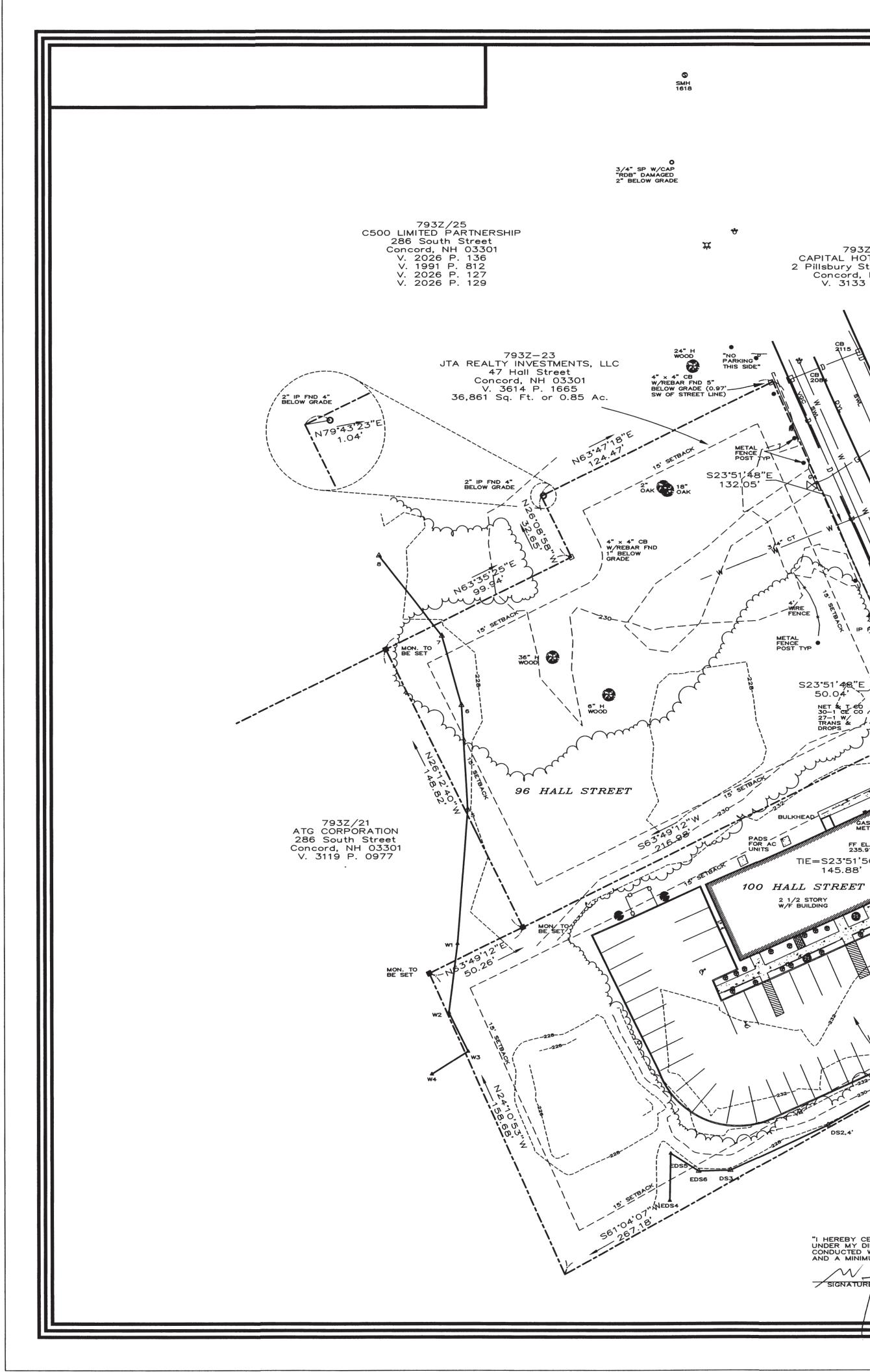


SCALE: 1"=2,000'±

SHEET INDEX

NO.	TITLE	LAST REVISED
	COVER SHEET	
1	EXISTING CONDITIONS PLAN	
2	SITE PLAN	
3	GRADING & DRAINAGE PLAN	
4	LANDSCAPE PLAN	
5	LIGHTING PLAN	
6	EROSION CONTROL PLAN	
7-9	CONSTRUCTION DETAILS	

COVER SHEET				
	PREPAR	ED FOR:		
METRO TRE	ATMENT OF	F NEV	V HAMPSH	IIRE, LP
	(TAX MAP 7	93Z LO	T 23)	-
	96 HALL	STREE	T	
	CONCO	RD, NH		
APPLICANT: METRO TREATMENT 100 HALL STREET CONCORD, NH 0330	T OF NEW HAMPSHIRE, LP 01	OWNER:	JTA REALTY INVESTM 47 HALL STREET CONCORD, NH 03301-	
JEFFREY W. LEWIS No.10420	REVISIONS: <u>NO.</u> <u>DATE</u> <u>DESCR.</u> 	<u>IPTION</u>		
STONAL ENGLISH				
	THPOIN NEERING, L	LC Tel Fax	9 Storrs St, Ste 201 acord, NH 03301 603-226-1166 c 603-226-1160	DATE: APRIL 2022 PROJ.: 21102 SCALE: AS SHOWN
Civil Engineering 🦨 Land Plan	ning <i>d</i> Construction Serv.	ices ^{WW}	w.northpointeng.com	SHEET:



LEGEND

FOR: RICHARD D. BARTLETT

			LEGEN
			PROPERTY LINE
			EDGE OF PAVEMENT EDGE OF GRAVEL
		OH	OVERHEAD UTILITY LINES
		D	DRAINAGE LINE SEWER LINE
		S G	GAS LINE
		T UG	TEL. LINE
		DYL	UNDERGROUND ELECT. DOUBLE YELLOW LINE
		SWL	SINGLE WHITE LINE
		VGC OR SGC	VERTICAL OR SLOPED GRANITE CURB
7077 70			SHORE LINE
793Z–39 AL HOTEL CO, LLC			CHAIN LINK FENCE
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3133 P. 1157			EDGE OF WOODS CONCRETE
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	793Z-4 CITY OF CONCORD		
	41 Green Street 呈 Concord, NH 03301		
	V. 857 p. 206		
FLO HAMPSHIRE	\backslash		
COMMONS LLC DS1,4' 50 Broad Street			
Salem, MA 01970 V V. 3377 Р. 177. 388. 388.			
40,602 Sq. Ft. or 0.93 Acres			
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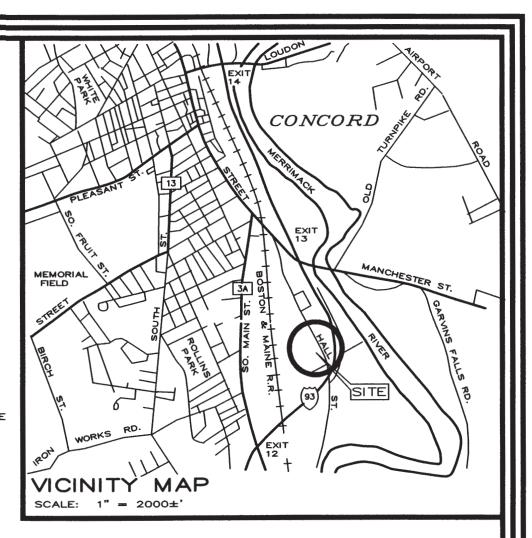
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REVISION

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CONIFEROUS TREE SHRUB DECIDUOUS TREE ARTESIAN WELL IRON PIPE OR REBAR GRANITE OR CONCRETE BOUND (GB OR CB) DRILL HOLE (DH) UTILITY POLE LIGHT POLE SEWER MANHOLE DRAIN MANHOLE CATCH BASIN HYDRANT WATER SHUTOFF WATER VALVE IRRIGATION CONTROL VALVE GAS SHUTOFF MONITORING WELL



WETLAND NOTES

The limits of jurisdictional wetlands depicted on this plan were delineated Northpoint Engineering wetland scientist Randall Shuey, NH CWS #85, who certifies that the areas depicted are classified as jurisdictional wetlands according to the following standards:

1. The Corps of Engineers Federal Manual for Identifying and Delineating Jurisdictional Wetlands. 2. U.S. Army Corps of Engineers. 2012. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region (Version 2.0), ed. J. S. Wakeley, R. W. Lichvar, C. V. Noble, and J. F. Berkowitz. ERDC/EL TR-12-1. Vicksburg, MS: U.S. Army Engineer Research and Development Center.

3. Field Indicators for Identifying Hydric Soils in New England, Version 4, May 2017 as published by the New England Interstate Water Pollution Control Commission and/or the current version of the Field Indicators of Hydric Soils in the United States, as published by the USDA, NRCS, as appropriate.

4. U.S. Army Corps of Engineers 2020. National Wetland Plant List, version 3.5 http://wetland-plants.usace.army.mil/ , U.S. Army Corps of Engineers, Engineer Research and Development Center, Cold Regions Research and Engineering Laboratory, Hanover, NH

NOTES

1. Survey by total station October 28, 2021. Control Traverse error of closure is less than 1: 15,000'. Additional field survey on December 10, 2021.

2. Horizontal datum is based on New Hampshire State Plane Coordinate System NAD 83 based on GPS observations and OPUS solutions.

3. Vertical datum is based on NAVD 88.

4. Owners of record: JTA Realty Investments, LLC 47 Hall Street Concord, NH 03301 — Map 793 Z, Lot 23 V. 3614 P. 1665. ATG Corporation 286 SOuth Street Concord, NH 03301 — Map 793Z, Lot 21 V. 3491 P. 1866

5. Affected portion of parcel is zoned OCP-Building setbacks: front 15', rear 15', and side 15'. Minimum Lot size = N/A Minimum frontage = 150', Maximum Lot coverage is 85%.

6. The underground utilities depicted hereon have been located from field survey information and plotted from existing drawings. The surveyor makes no guarantee that the underground utilities depicted comprise all such utilities in the area, either in service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although they are located as accurately as possible from the information available. The surveyor has not physically located the underground portion of the utilities. All contractors should notify, in writing, any utility company and appropriate governmental agencies prior to any excavation work and call DIG-SAFE at 811.

7. The intent of this plat is to depict the existing conditions of 96 and 100 Hall Street.

8. The premises is located in within a Flood Zone Area having a 0.2% chance annual flood as shown on the Flood Insurance Rate Map for Concord, NH Map No. 33013C0542E with an effective date of April 19, 2010.

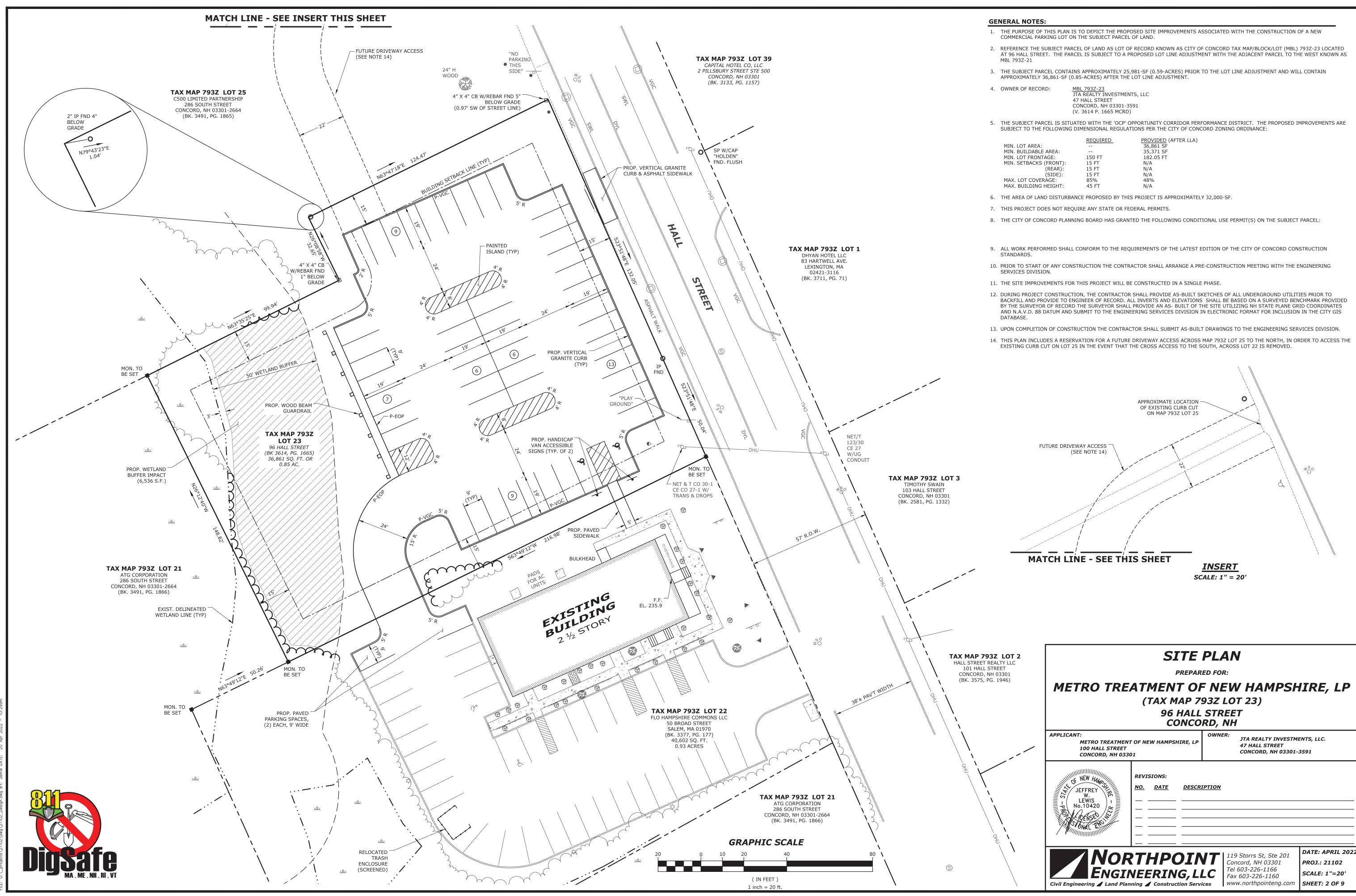
REFERENCES

1. "Resubdivision Plat prepared for C—500 Ltd. Partnership, ATG Corporation, Turntable Inc., Yukon Realty Investment Ltd. Partnership & CFA Corporation" dated through June 9, 2008 by Richard D. Bartlett & Associates, LLC recorded at the MCRD as plan no. 19143.

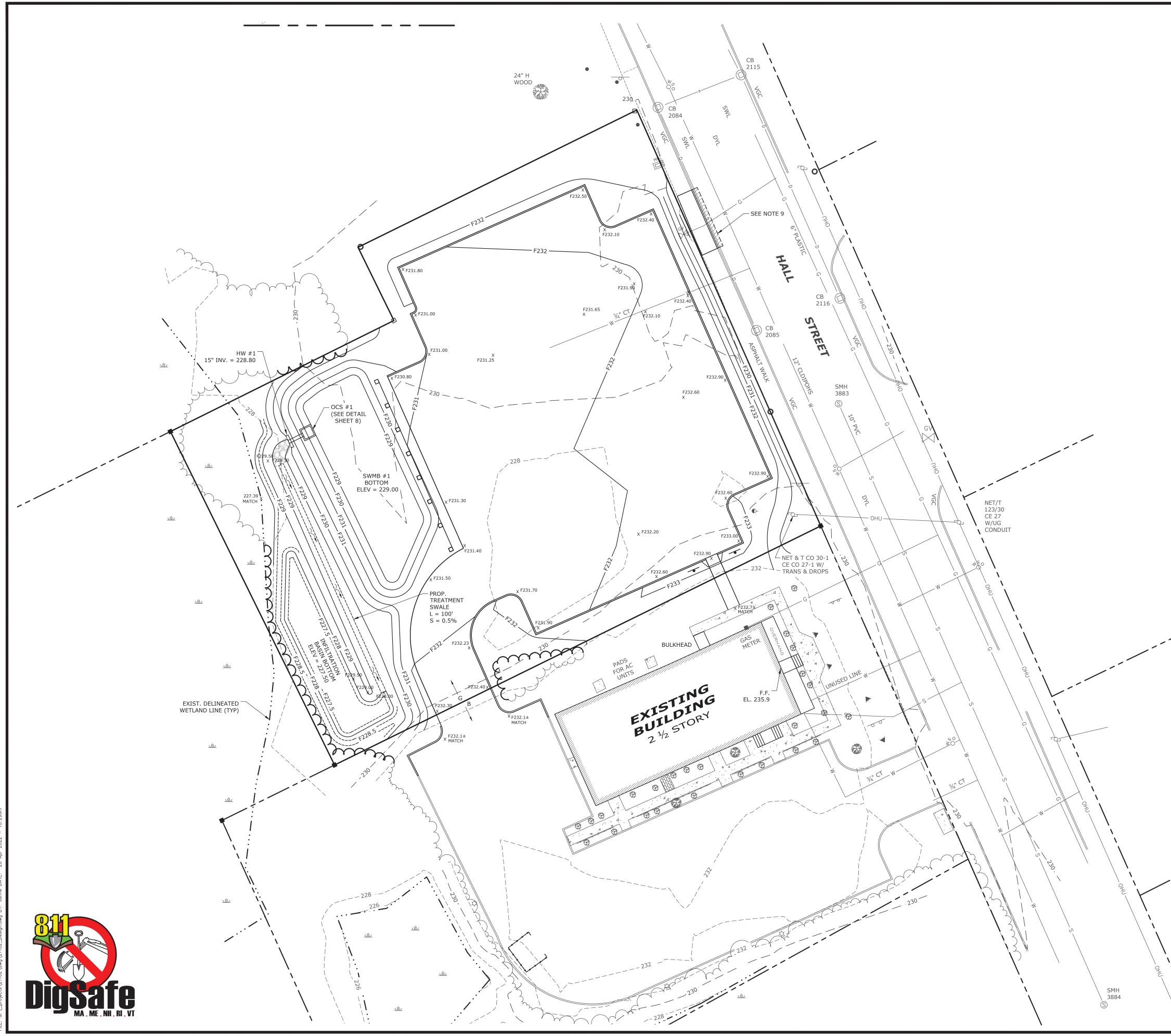
2. "Existing Conditions Plat of land of 100 Hall Street, a Business Condominium" dated August 8, 2012 by Richard D. Bartlett & Associates, LLC. on file at this office.

3. Plat entitled "Lot Line Adjustment Plat lands of JTA Realty Investements, LLC & ATG Corporation" dated November 3, 2021 by Richard D. Bartlett & Assoc. LLC.

RICHARD D. BARTLETT & ASSOCIATES, LLC 214 North State Street	EXISTING CONDITONS PLAT of the lands of JTA REALTY INVESTMENTS, LLC FLO HAMPSHIRE COMMONS, LLC				
Concord, N.H. 03301	PROJECT MAP 793Z , LOTS 21 & 23				
Tel.: (603) 225-6770	LOCATION 96 & 102 HALL ST CONCORD, NH				
info@richarddbartlett.com	GRAPHIC SCALE	DATE: DEC. 2021			
www.richarddbartlett.com	0' 30' 60'	JOB NO.: 1121.242			
LICENSED LAND SURVEYORS	15' 1" = 30'	SHEET 1 OF 1			



	REQUIRED	PROVIDED (AFTER
MIN. LOT AREA:		36,861 SF
MIN. BUILDABLE AREA:		35,371 SF
MIN. LOT FRONTAGE:	150 FT	182.05 FT
MIN. SETBACKS (FRONT):	15 FT	N/A
(REAR):	15 FT	N/A
(SIDE):	15 FT	N/A
MAX. LOT COVERAGE:	85%	48%
MAX. BUILDING HEIGHT:	45 FT	N/A



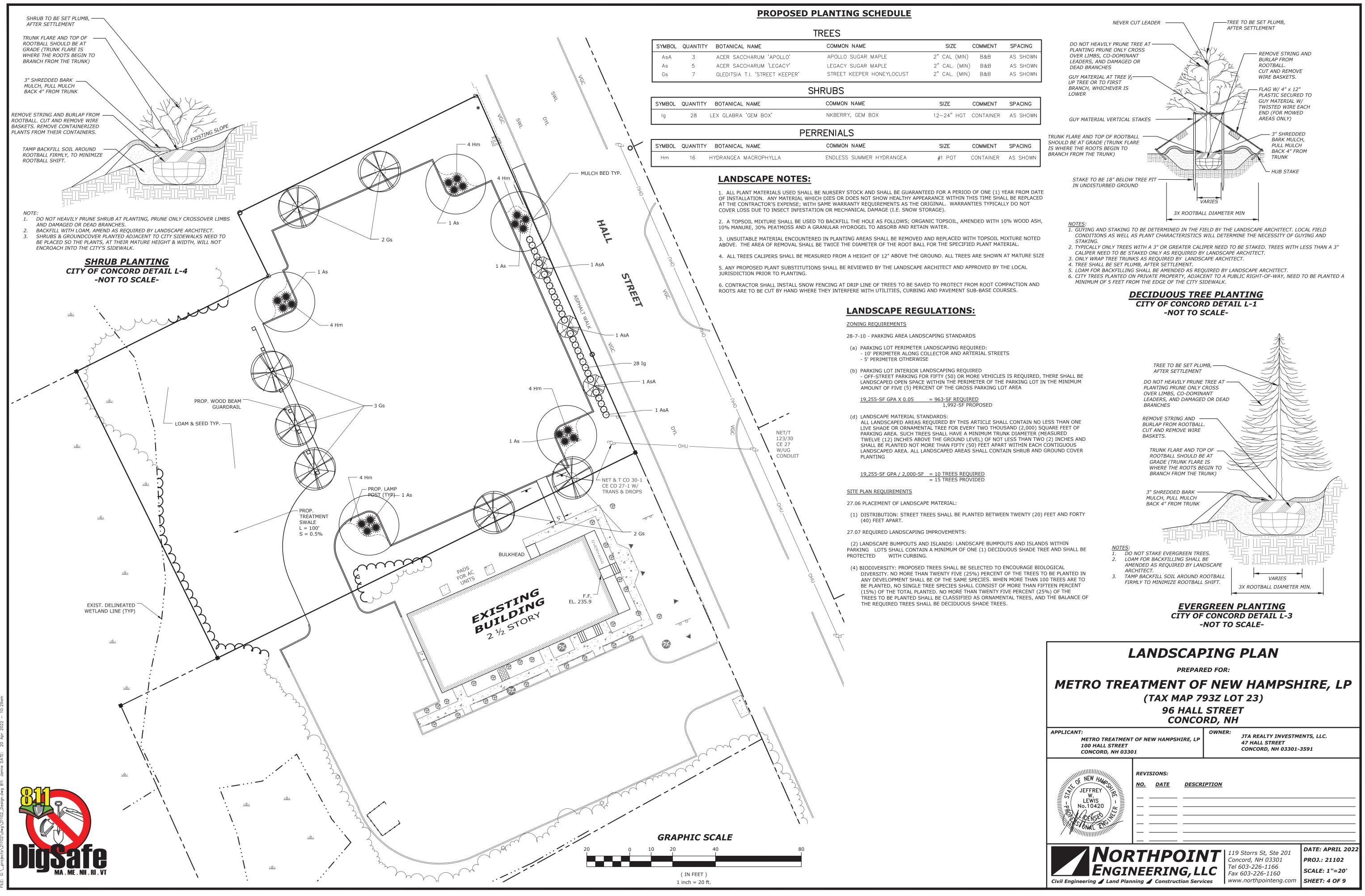
: G: _projects \21102 \dwq \21102_Design.dwq BY: Jamie DATE: 20 Apr 2022 - 10:29am

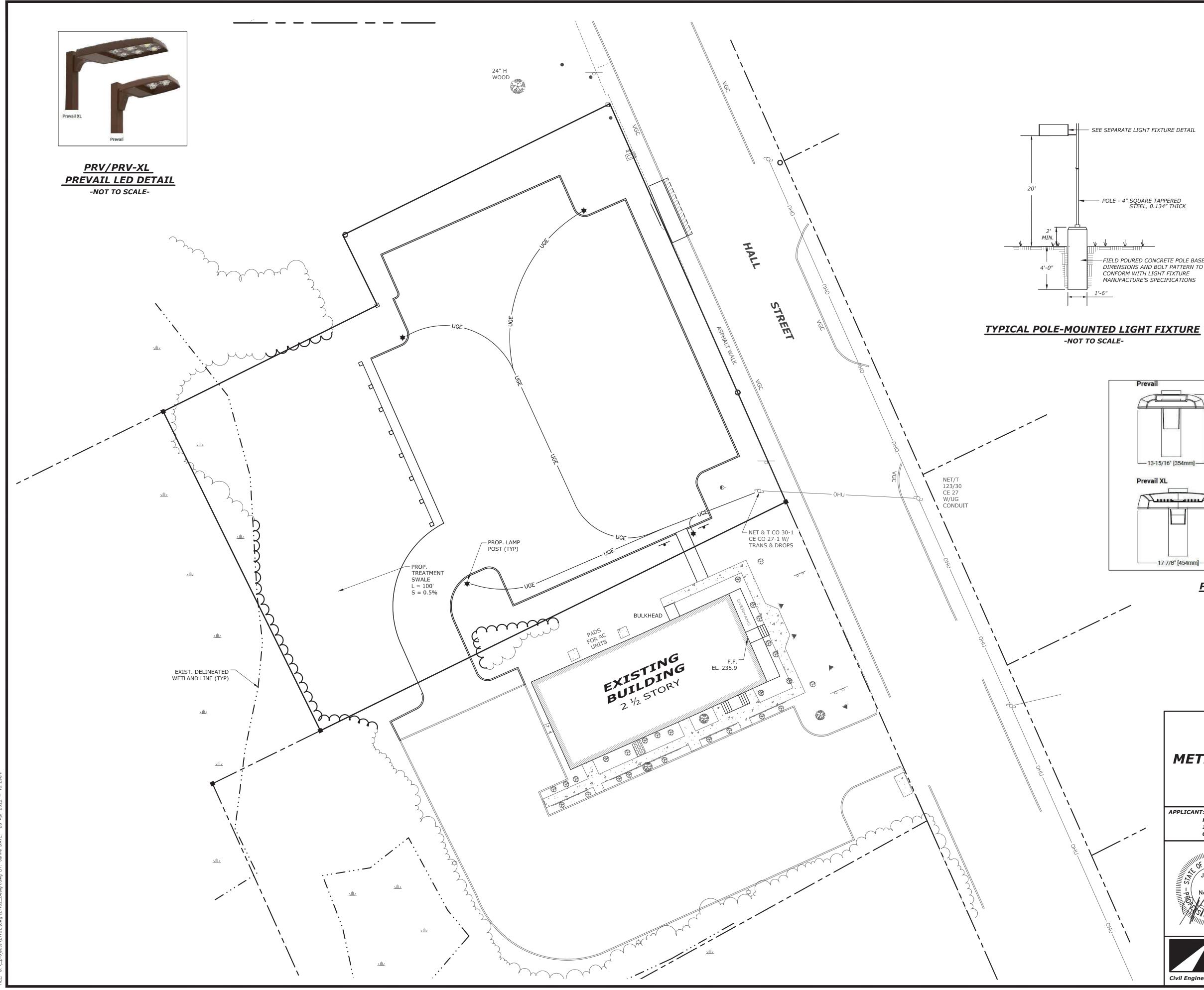
CONSTRUCTION NOTES:

- PRIOR TO CONSTRUCTION, CONTACT DIG SAFE CENTER, TOLL FREE 811. NEW HAMPSHIRE LAW REQUIRES NOTIFICATION AT LEAST THREE BUSINESS DAYS BEFORE DIGGING OPERATIONS START. IN AN EMERGENCY, CALL IMMEDIATELY.
- 2. LOCATION AND/OR ELEVATIONS OF EXISTING UTILITIES AND STRUCTURES SHOWN ON THIS PLAN SET ARE BASED ON PREVIOUS PLANS AND WHERE POSSIBLE VERIFIED IN THE FIELD. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE EXACT SIZE, LOCATION, DEPTH AND EXISTENCE OF ALL EXISTING UNDERGROUND UTILITIES THAT ARE TO BE ACCESSED OR CROSSED DURING CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IN WRITING IF ANY UTILITIES ARE FOUND TO BE INTERFERING WITH THE PROPOSED CONSTRUCTION AND APPROPRIATE REMEDIAL ACTION SHALL BE TAKEN BEFORE PROCEEDING WITH THE WORK.
- 3. ALL WORK SHALL CONFORM TO THE NHDOT STANDARDS AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE CITY OF CONCORD 2016 CONSTRUCTION STANDARDS AND DETAILS, AND THE CITY OF CONCORD SITE PLAN REGULATIONS, AND SHALL BE BUILT IN A WORKMAN LIKE MANNER IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
- 4. PRIOR TO THE START OF CONSTRUCTION THE LIMITS OF CLEARING SHALL BE STAKED OUT. NO TREES SHALL BE CUT BEYOND THE LIMITS SHOWN ON THIS PLAN AND TEMPORARY FENCING SHALL BE INSTALLED AROUND THE LIMITS OF CLEARING PRIOR TO CLEARING TO ENSURE THAT NO ADDITIONAL TREES ARE DAMAGED DURING CONSTRUCTION. IMMEDIATELY AFTER CLEARING HAS OCCURRED, ALL TEMPORARY EROSION CONTROL MEASURES SHOWN ON THE EROSION CONTROL PLAN SHALL BE INSTALLED AND SHALL REMAIN IN PLACE AT ALL TIMES DURING CONSTRUCTION, AND UNTIL FINAL STABILIZATION HAS OCCURRED.
- 5. ALL PROPOSED UTILITIES SHALL BE CONSTRUCTED UNDERGROUND.
- 6. PROPOSED UNDERGROUND UTILITIES TO INCLUDE CONDUIT FOR ELECTRIC, SERVING PROPOSED LIGHT POLES. TRENCH AND CONDUIT PER TYPICAL DETAIL ON CONSTRUCTION DETAIL SHEETS.
- 7. SAWCUT, REMOVE AND REPAIR EXISTING PAVEMENT IN HALL STREET TO INSTALL NEW CURB AND SIDEWALK.
- 8. ALL CONSTRUCTION DEBRIS, INCLUDING STUMPS, SHALL BE REMOVED FROM THE JOB SITE AND DISPOSED OF PROPERLY OFFSITE, UNLESS OTHERWISE APPROVED.
- 9. THE CONTRACTOR SHALL APPLY FOR AN EXCAVATION PERMIT (AVAILABLE FROM ENGINEERING SERVICES) PER CITY ORDINANCE ARTICLE 5-1-4 FOR WORK WITHIN THE CITY RIGHT-OF-WAY OR ON CITY OWNED PROPERTY. CONTACT THE CITY OF CONCORD ENGINEERING SERVICES DIVISION PRIOR TO CONSTRUCTION TO APPLY FOR THE PERMIT.
- 10. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE PERMANENTLY STABILIZED WITH 6" OF LOAM AND SEED, PER THE TURF ESTABLISHMENT SCHEDULE. REFER TO THE EROSION CONTROL PLANS FOR ADDITIONAL REQUIREMENTS FOR TEMPORARY AND PERMANENT STABILIZATION PRACTICES IN CERTAIN AREAS OF THE SITE AS MAY BE APPLICABLE.
- 11. PRIOR TO START OF ANY CONSTRUCTION THE CONTRACTOR SHALL ARRANGE A PRE-CONSTRUCTION MEETING WITH THE CITY OF CONCORD, ENGINEERING SERVICES DIVISION.
- 12. DURING PROJECT CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE AS-BUILT SKETCHES OF ALL UNDERGROUND UTILITIES PRIOR TO BACKFILL AND PROVIDE TO ENGINEER OR RECORD. ALL INVERTS AND ELEVATIONS SHALL BE BASED ON A SURVEYED BENCHMARK PROVIDED BY THE SURVEYOR OF RECORD THE SURVEYOR SHALL PROVIDE AN AS-BUILT OF THE SITE UTILIZING NH STATE PLANE GRID COORDINATES AND N.A.V.D. 88 DATUM AND SUBMIT TO THE ENGINEERING SERVICES DIVISION IN ELECTRONIC FORMAT FOR INCLUSION IN THE CITY GIS DATABASE.

	IN FEET) hch = 20 ft.			
GRADING & DRAINAGE PLAN PREPARED FOR: METRO TREATMENT OF NEW HAMPSHIRE, LP (TAX MAP 793Z LOT 23)				
	STREET RD, NH OWNER: JTA REALTY INVESTMENTS, LLC. 47 HALL STREET CONCORD, NH 03301-3591			
JEFFREY W. LEWIS No.10420 JOENSE No.10420 JENSE No.10420 JENSE JEN	<u>IPTION</u>			
Civil Engineering & Land Planning & Construction Serv	LC Tel 603-226-1166 Fax 603-226-1160 SCALE: 1"=20'			

GRAPHIC SCALE





SEE SEPARATE LIGHT FIXTURE DETAIL

—— POLE - 4" SQUARE TAPPERED STEEL, 0.134" THICK

-FIELD POURED CONCRETE POLE BASE-DIMENSIONS AND BOLT PATTERN TO CONFORM WITH LIGHT FIXTURE MANUFACTURE'S SPECIFICATIONS

NOTES:

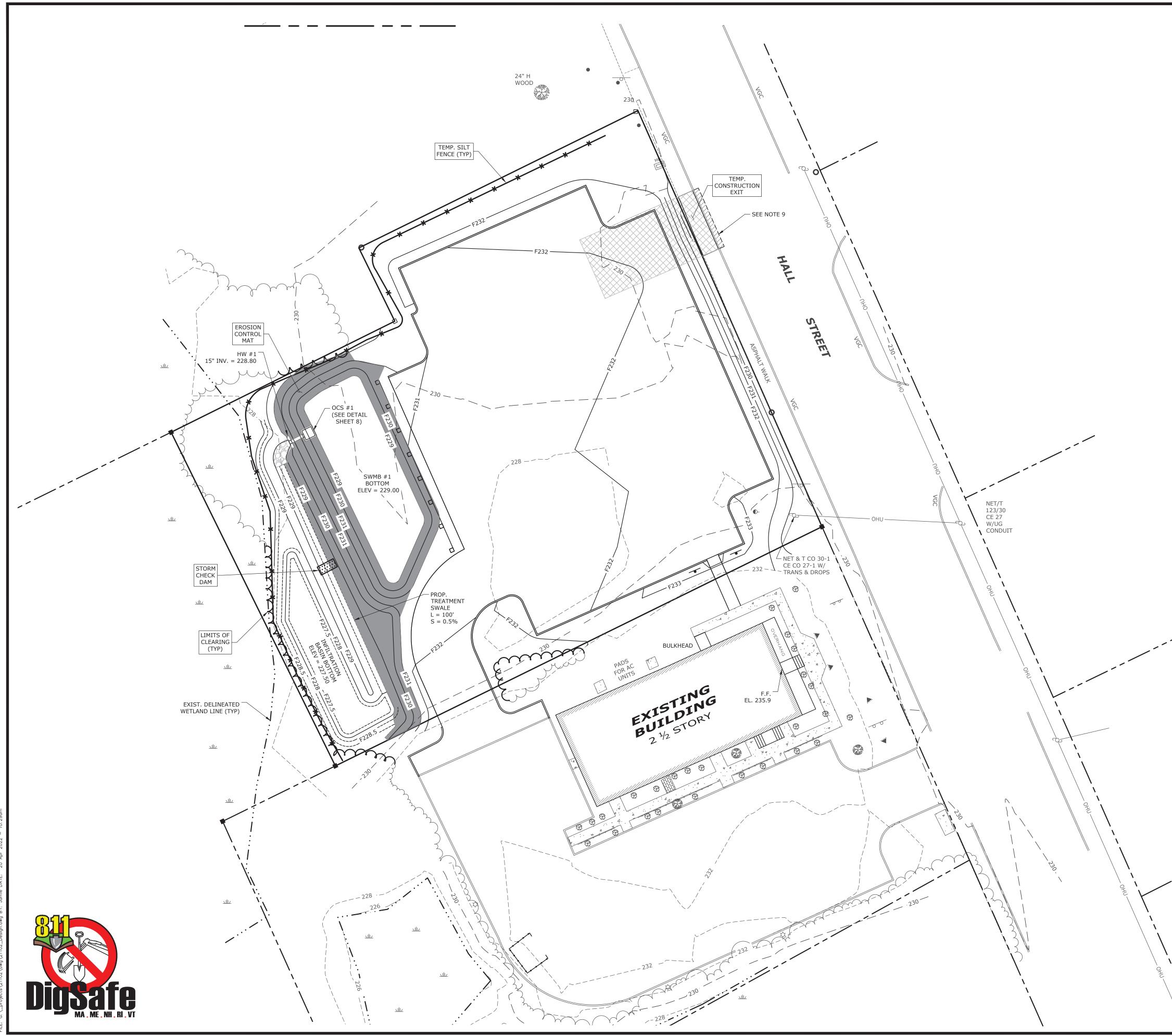
1. ALL LIGHT FIXTURES SHALL BE FULL-CUTOFF.

2. PROPOSED LIGHTING SHALL BE DIRECTED ONTO THE SITE AND AWAY FROM THE ROADWAY AND ADJACENT PROPERTIES.

3. ELECTRICAL CONDUIT, IF SHOWN, IS FOR COORDINATION PURPOSES ONLY. CONTRACTOR TO VERIFY EXISTING UNDERGROUND ELECTRICAL FOR LIGHTING IN FIELD.

2-3/4 15/10 - 26-13/16" [681mm]---Prevail XL 3-11/16" [94mm] 7-1/8" [180mm] - 39-5/8" [1006mm] -— 17-7/8* [454mm] — PRV/PRV-XL PREVAIL LED DIMENSIONS -NOT TO SCALE-**GRAPHIC SCALE** (IN FEET) 1 inch = 20 ft. LIGHTING PLAN PREPARED FOR: METRO TREATMENT OF NEW HAMPSHIRE, LP (TAX MAP 793Z LOT 23) 96 HALL STREET CONCORD, NH APPLICANT: **OWNER:** JTA REALTY INVESTMENTS, LLC. 47 HALL STREET METRO TREATMENT OF NEW HAMPSHIRE, LP 100 HALL STREET CONCORD, NH 03301 CONCORD, NH 03301-3591 **REVISIONS:** OF NEW HAY NO. DATE DESCRIPTION STATE JEFFREY W. LEWIS No.10420 **Civil Engineering & Land Planning & Construction Services** DATE: APRIL 2022 PROJ.: 21102 SCALE: 1"=20'

SHEET: 5 OF 9



G: __projects\21102\dwa\21102_Desian.dwa BY: Jamie DATE: 20 Apr 2022 - 10:29am

CONSTRUCTION NOTES

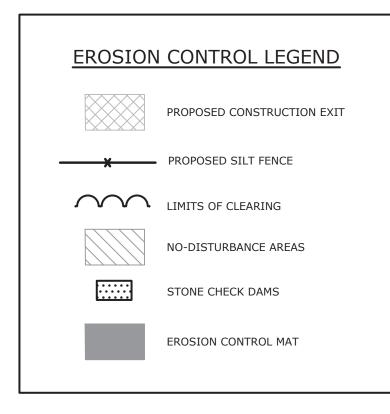
1. DIG SAFE SHALL BE CONTACTED 72 HOURS PRIOR TO CONSTRUCTION COMMENCING (1-888-344-7233).

2. TEMPORARY EROSION CONTROL MEASURES, INCLUDING SILT FENCE WHERE SHOWN, SHALL BE IN PLACE PRIOR TO THE START OF ANY CONSTRUCTION AND SHALL REMAIN IN PLACE UNTIL SITE IS STABILIZED.

3. INLET FILTER BASKETS SHALL BE INSTALLED AT ALL EXISTING AND PROPOSED CATCH BASINS THAT WILL RECEIVE RUNOFF DURING CONSTRUCTION.

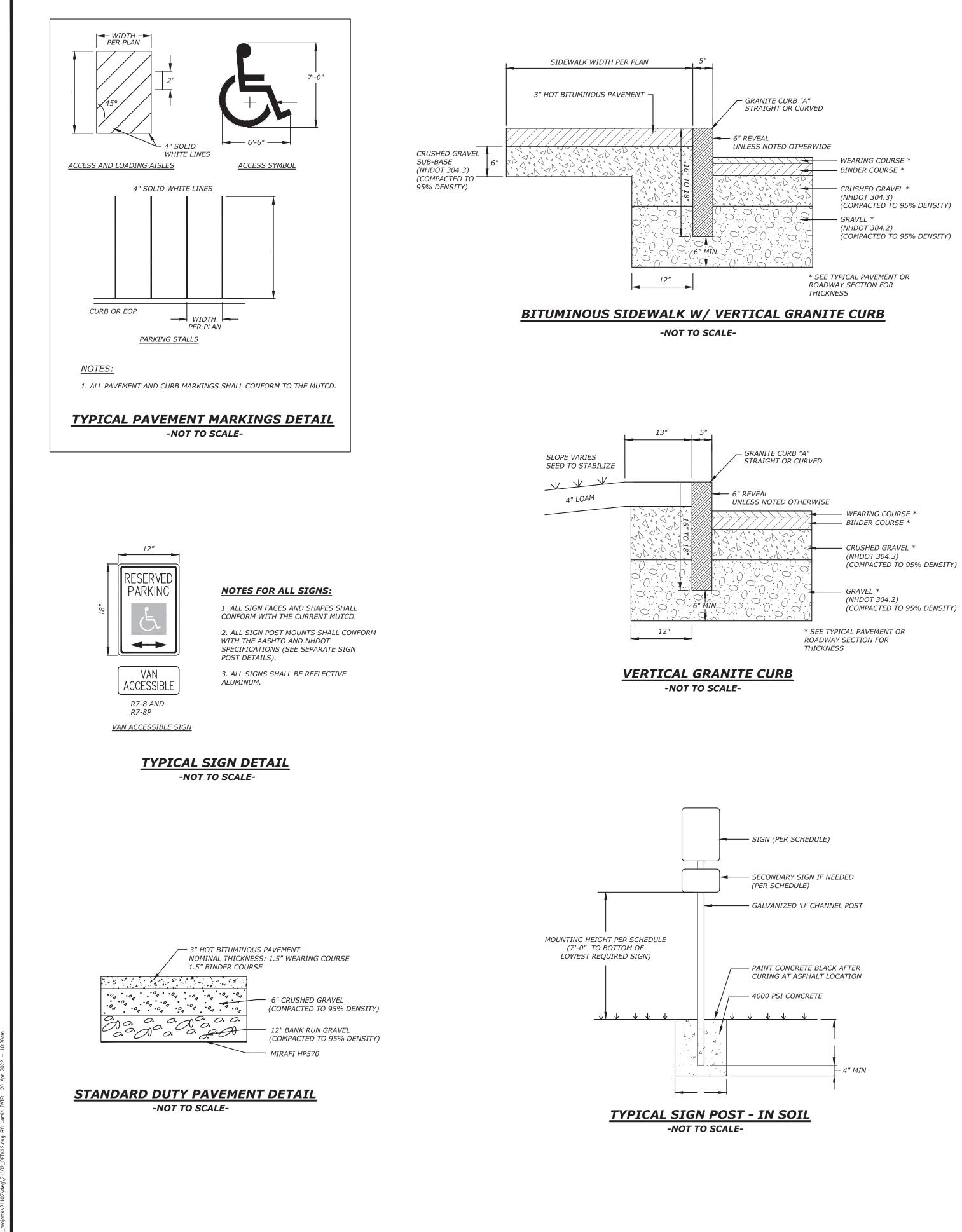
4. ALL TEMPORARY EROSION CONTROL MATS/BLANKETS USED ON THIS SITE SHALL BE CURLEX NET FREE EROSION CONTROL BLANKETS MANUFACTURED BY AMERICAN EXCELSIOR COMPANY, OR APPROVED EQUAL. WELDED PLASTIC OR BIODEGRADABLE PLASTIC NETTING OR THREAD IN MATTING IS SPECIFICALLY <u>NOT</u> ALLOWED ON THIS SITE.

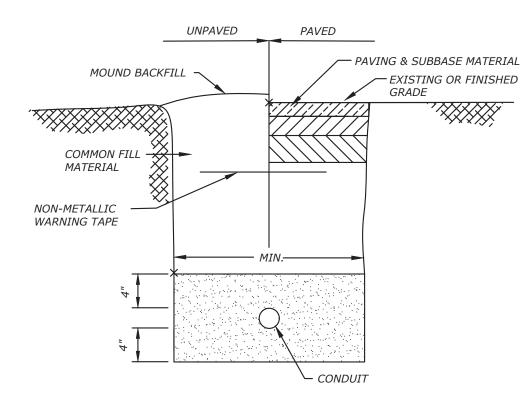
5. SEDIMENT TRAPS AND/OR BASINS SHOULD BE USED AS NECESSARY TO CONTAIN RUNOFF UNTIL BASINS/PONDS ARE STABILIZED.



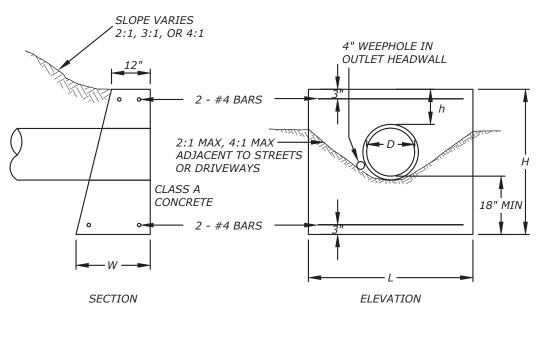
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EROSION CO	EROSION CONTROL PLAN					
PREPARED FOR: METRO TREATMENT OF NEW HAMPSHIRE, LP (TAX MAP 793Z LOT 23) 96 HALL STREET CONCORD, NH						
APPLICANT: METRO TREATMENT OF NEW HAMPSHIRE, LP 100 HALL STREET CONCORD, NH 03301 OWNER: JTA REALTY INVESTMENTS, LLC. 47 HALL STREET CONCORD, NH 03301-3591						
REVISIONS: NEW HAMON JEFFREY W. LEWIS No. DATE DESCR. NO. DATE DESCR. NO. DATE DESCR. 	<u>IPTION</u>					
Civil Engineering & Land Planning & Construction Serve	LC Tel 603-226-1166 Fax 603-226-1160 SCALE: 1"=20'					

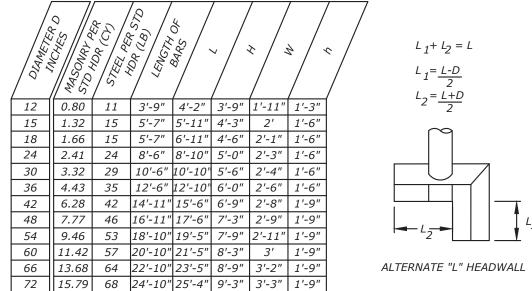
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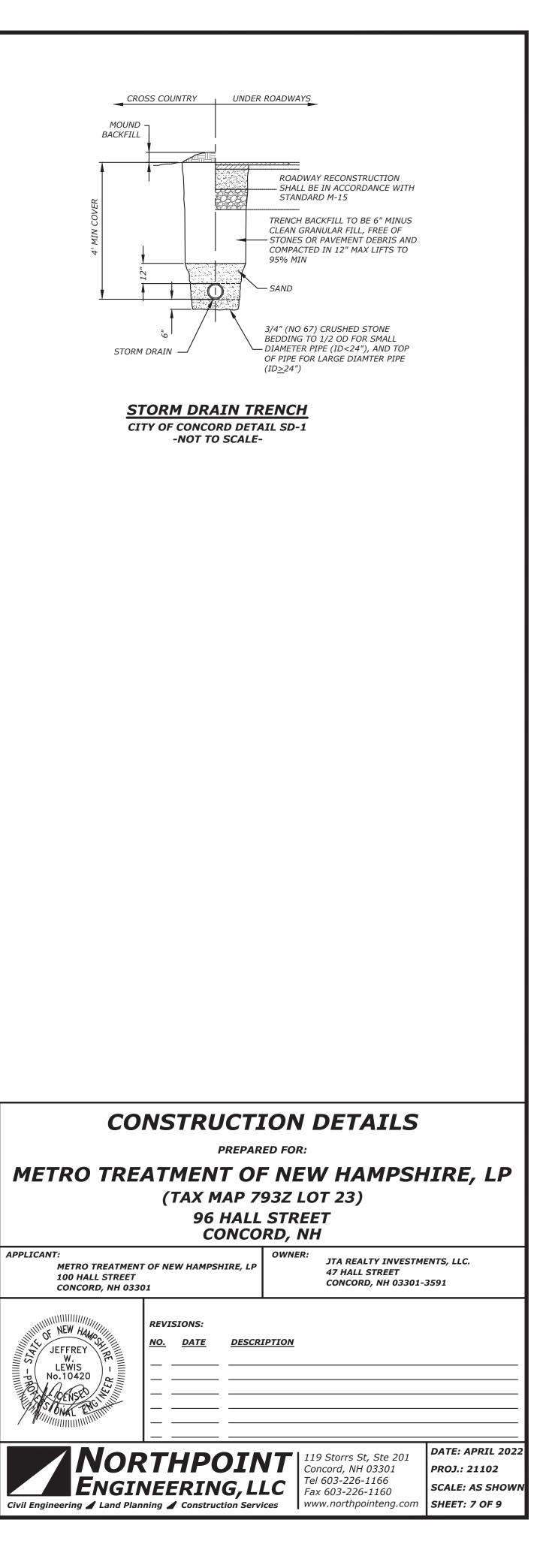


SITE LIGHTING TRENCH SECTION TYP. -NOT TO SCALE-









SITE PREPARATION

1. GRADE AND SHAPE AREA OF INSTALLATION.

2. REMOVE ALL ROCKS, CLODS, AND VEGETATIVE OR OTHER OBSTRUCTIONS SO THAT THE INSTALLED BLANKETS OR MATS WILL HAVE DIRECT CONTACT WITH THE SOIL.

3. PREPARE SEEDBED BY LOOSENING 2-3 INCHES OF TOPSOIL ABOVE FINAL GRADE, AND INCORPORATE AMENDMENTS, SUCH AS LIME AND FERTILIZER, INTO SOIL ACCORDING TO SOIL TEST AND THE SEEDING PLAN.

5. SEED AREA BEFORE BLANKET INSTALLATION FOR EROSION CONTROL AND RE-VEGETATION. SEEDING AFTER MAT INSTALLATION IS OFTEN SPECIFIED FOR TURF REINFORCEMENT APPLICATION.

ANCHORING 1. WHEN APPLICABLE, ANCHORING SHOULD BE DONE PER MANUFACTURERS RECOMMEDATION.

2. U-SHAPED WIRE STAPLES, METAL GEOTEXTILE STAKE PINS, OR TRIANGULAR WOODEN STAKES CAN BE USED TO ANCHOR MATS TO THE GROUND SURFACE. WIRE STAPLES SHOULD BE A MINIMUM OF 11 GAUGE. METAL STAKE PINS SHOULD BE 3/16-INCH DIAMETER STEEL WITH A 1 ½-INCH STEEL WASHER AT THE HEAD OF THE PIN. WIRE STAPLES AND METAL STAKES SHOULD BE DRIVEN FLUSH TO THE SOIL SURFACE. ALL ANCHORS SHOULD BE 6-8 INCHES LONG AND HAVE SUFFICIENT GROUND PENETRATION TO RESIST PULLOUT. LONGER ANCHORS MAY BE REQUIRED FOR LOOSE SOILS. INSTALLATION ON SLOPES

1. BEGIN AT THE TOP OF THE SLOPE AND ANCHOR ITS BLANKET IN A 6-INCH DEEP X 6-INCH WIDE TRENCH. BACKFILL TRENCH AND TAMP EARTH FIRMLY

2. UNROLL BLANKET DOWN SLOPE IN THE DIRECTION OF THE WATER FLOW. THE EDGES OF ADJACENT PARALLEL ROLLS MUST BE OVERLAPPED 4 INCHES AND BE STAPLED EVERY 3 FEET.

4. WHEN BLANKETS MUST BE SPLICED, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH 6-INCH OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12 INCHES APART

5. LAY BLANKETS LOOSELY AND MAINTAIN DIRECT CONTACT WITH THE SOIL - DO NOT STRETCH.

6. BLANKETS SHALL BE STAPLED SUFFICIENTLY TO ANCHOR BLANKET AND MAINTAIN CONTACT WITH THE SOIL. STAPLES SHALL BE PLACED DOWN THE CENTER AND STAGGERED WITH THE STAPLES PLACED ALONG THE EDGES. STEEP SLOPES, 1:1 TO 2:1, REQUIRE 2 STAPLES PER SQUARE YARD. MODERATE SLOPES, 2:1 TO 3:1, REQUIRE 1-2 STAPLES PER SQUARE YARD (1 STAPLE 3' O/C). GENTLE SLOPES REQUIRE 1 STAPLE PER SQUARE YARD. INSTALLATION IN CHANNELS

1. DIG INITIAL ANCHOR TRENCH 12 INCHES DEEP AND 6 INCHES WIDE ACROSS THE CHANNEL AT THE LOWER END OF THE PROJECT AREA.

2. EXCAVATE INTERMITTENT CHECK SLOTS, 6 INCHES DEEP AND 6 INCHES WIDE ACROSS THE CHANNEL AT 25-30 FOOT INTERVALS ALONG THE CHANNEL.

3. CUT LONGITUDINAL CHANNEL ANCHOR SLOTS 4 INCHES DEEP AND 4 INCHES WIDE ALONG EACH SIDE OF THE INSTALLATION TO BURY EDGES OF MATTING. WHENEVER POSSIBLE EXTEND MATTING 2-3 INCHES ABOVE THE CREST OF CHANNEL SIDE SLOPES

4. BEGINNING AT THE DOWNSTREAM END AND IN THE CENTER OF THE CHANNEL, PLACE THE INITIAL END OF THE FIRST ROLL IN THE ANCHOR TRENCH AND SECURE WITH FASTENING DEVICES AT 1-FOOT INTERVALS. NOTE: MATTING WILL INITIALLY BE UPSIDE DOWN IN ANCHOR TRENCH.

5. IN THE SAME MANNER, POSITION ADJACENT ROLLS IN ANCHOR TRENCH, OVERLAPPING THE PRECEDING ROLL A MINIMUM OF 3 INCHES. SECURE THESE ENDS OF MATS WITH ANCHORS AT 1-FOOT INTERVALS, BACKFILL AND COMPACT

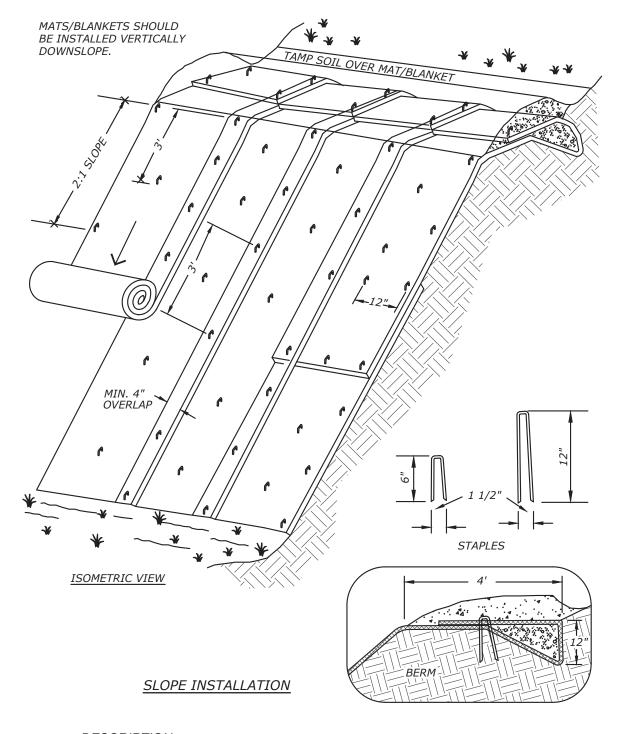
UNROLL CENTER STRIP OF MATTING UPSTREAM. STOP AT NEXT CHECK SLOT OR TERMINAL ANCHOR TRENCH. UNROLL ADJACENT MATS UPSTREAM IN SIMILAR FASHION, MAINTAINING A 3-INCH OVERLAP.

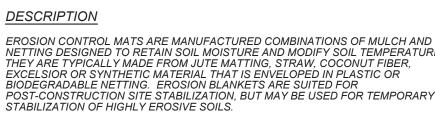
9. FOLD AND SECURE ALL ROLLS OF MATTING SNUGLY INTO ALL TRANSVERSE CHECK SLOTS. LAY MAT IN THE BOTTOM OF THE SLOT THEN FOLD BACK AGAINST ITSELF. ANCHOR THROUGH BOTH LAYERS OF MAT AT 12-INCH INTERVALS, THEN BACKFILL AND COMPACT SOIL. CONTINUE ROLLING ALL MAT WIDTHS UPSTREAM TO THE NEXT CHECK SLOT OR TERMINAL ANCHOR TRENCH. INSPECTION AND MAINTENANCE

1. ALL BLANKET AND MATS SHOULD BE INSPECTED PERIODICALLY FOLLOWING INSTALLATION.

2. INSPECT INSTALLATION AFTER SIGNIFICANT RAINSTORMS TO CHECK FOR EROSION AND UNDERMINING. ANY FAILURE SHOULD BE REPAIRED IMMEDIATELY.

3. IF WASHOUT OR BREAKAGE OCCURS, RE-INSTALL THE MATERIAL AFTER REPAIRING THE DAMAGE TO THE SLOPE OR DRAINAGE WAY.





EROSION CONTROL MATS -NOT TO SCALE-

CONSTRUCTION SPECIFICATIONS

1. A SUITABLE GEOTEXTILE FABRIC OR FILTER MATERIAL SHALL BE PLACED BETWEEN THE SOIL AND THE RIP-RAP APRON.

2. THE SUBGRADE FOR THE FILTER MATERIAL, GEOTEXTILE FABRIC, OR RIPRAP SHALL BE CLEARED AND GRUBBED TO REMOVE ALL ROOTS, VEGETATION, AND DEBRIS AND PREPARED TO THE LINES AND GRADES SHOWN ON THE PLANS.

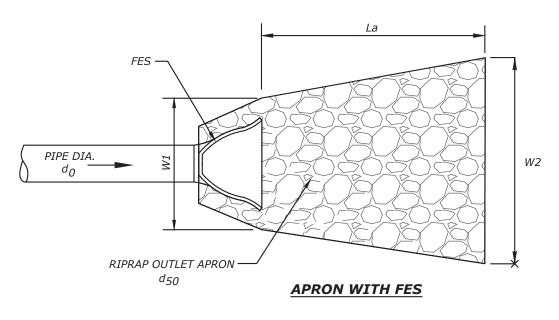
3. THE ROCK OR GRAVEL USED FOR FILTER OR RIPRAP SHALL CONFORM TO THE SPECIFIED GRADATION.

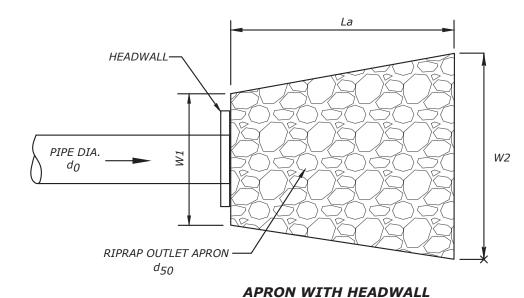
4. GEOTEXTILE FABRICS SHALL BE PROTECTED FROM PUNCTURE OR TEARING DURING THE PLACEMENT OF THE ROCK RIPRAP BY PLACING A CUSHION OF SAND AND GRAVEL OVER THE FABRIC. DAMAGED AREAS IN THE FABRIC SHALL BE REPAIRED BY PLACING A PIECE OF FABRIC OVER THE DAMAGED AREA OR BY COMPLETE REPLACEMENT OF THE FABRIC. ALL OVERLAPS REQUIRED FOR REPAIRS OR JOINING TWO PIECES OF FABRIC SHALL BE A MINIMUM OF 12 INCHES.

5. STONE FOR THE RIPRAP MAY BE PLACED BY EQUIPMENT AND SHALL BE CONSTRUCTED TO THE FULL LAYER THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO PREVENT SEGREGATION OF THE STONE SIZES AND/OR DISPLACEMENT OF THE UNDERLYING MATERIALS. HAND PLACEMENT MAY BE REQUIRED TO PREVENT DAMAGE TO ANY PERMANENT STRUCTURES.

6. STONES FOR RIPRAP SHALL BE ANGULAR OR SUBANGULAR. THE STONES SHOULD BE SHAPED SO THAT THE LEAST DIMENSION OF THE STONE FRAGMENT SHALL BE NOT LESS THAN ONE-THIRD OF THE GREATEST DIMENSION OF THE FRAGMENT. FLAT ROCKS SHALL NOT BE USED FOR RIPRAP.

7. VOIDS IN THE ROCK RIPRAP SHOULD BE FILLED WITH SPALLS AND SMALLER ROCKS.





OUTLET PROTECTION APRON DETAIL -NOT TO SCALE-

NETTING DESIGNED TO RETAIN SOIL MOISTURE AND MODIFY SOIL TEMPERATURE. POST-CONSTRUCTION SITE STABILIZATION, BUT MAY BE USED FOR TEMPORARY

MAINTENANCE

HW 1

9'

THE OUTLET PROTECTION SHOULD BE CHECKED AT LEAST ANNUALLY AND AFTER EVERY MAJOR STORM. IF THE RIPRAP HAS BEEN DISPLACED, UNDERMINED, OR DAMAGED, IT SHOULD BE REPAIRED IMMEDIATELY. WOODY VEGETATION SHOULD BE REMOVED FROM THE ROCK RIPRAP ANNUALLY BECAUSE TREE ROOTS WILL EVENTUALLY DISLODGE THE ROCK RIPRAP.

THE CHANNEL IMMEDIATELY BELOW THE OUTLET SHOULD BE CHECKED TO SEE THAT EROSION IS NOT OCCURRING. THE DOWNSTREAM CHANNEL SHOULD BE KEPT CLEAR OF OBSTRUCTIONS SUCH AS FALLEN TRESS, DEBRIS, AND SEDIMENT THAT COULD CHANGE FLOW PATTERNS AND/OR TAILWATER DEPTHS ON THE PIPES.

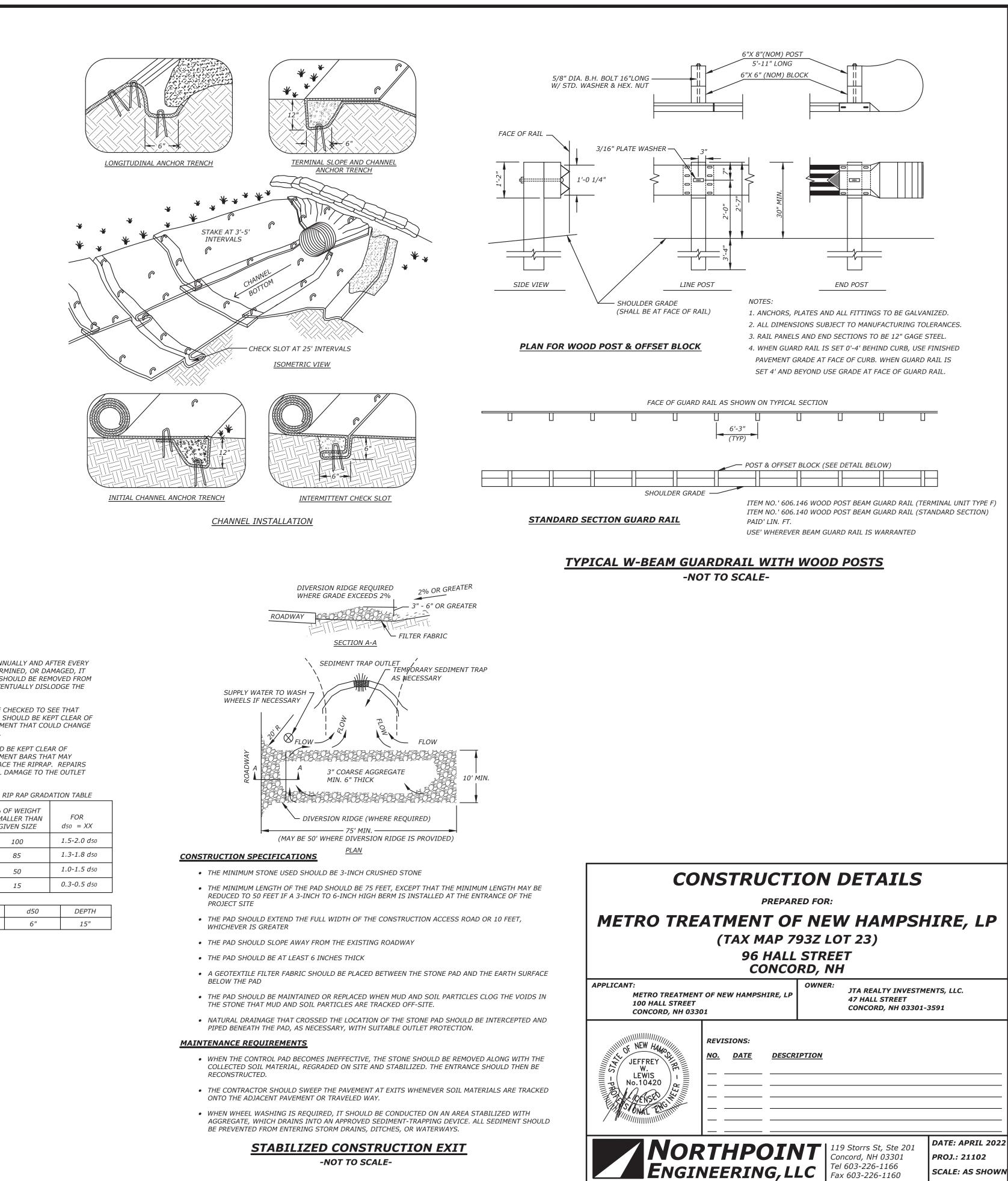
IF THE RIPRAP IS ON A CHANNEL BANK, THE STREAM SHOULD BE KEPT CLEAR OF OBSTRUCTIONS SUCH AS FALLEN TREES, DEBRIS, AND SEDIMENT BARS THAT MAY CHANGE FLOW PATTERNS WHICH COULD DAMAGE OR DISPLACE THE RIPRAP. REPAIRS MUST BE CARRIED OUT IMMEDIATELY TO AVOID ADDITIONAL DAMAGE TO THE OUTLET PROTECTION APRON.

				RIP RAP GRADATION TABLE			
NOTES: W1 = W2 FOR OUTLETS THAT DISCHARGE				SMA	% OF WEIGHT SMALLER THAN GIVEN SIZE		FOR d50 = XX
TO A WELL-DEFINED CHANNEL OR WATERWAY. $W1 = 3*d_0$ FOR OUTLETS THAT DO NOT				100			1. 5-2.0 d 50
				85			1. 3-1.8 d 50
DISCHARGE TO A WELL-DEFINED CHANNEL OR WATERWAY.				50		1.0-1.5 d50	
Chainel OR WATERWAT.				15			0.3-0.5 d50
DESCRIPTION	La	W1	W2		d50		DEPTH

13'

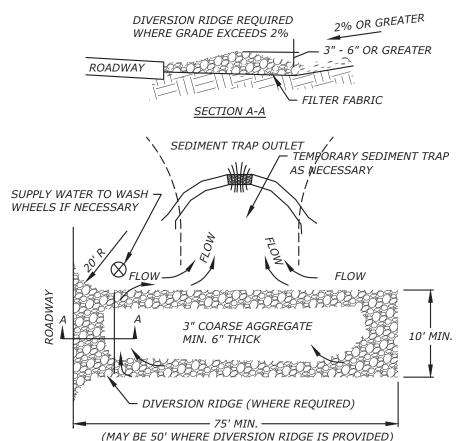
6"

4'



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SHEET: 8 OF 9



EROSION CONTROL NOTES

1. THE SMALLEST PRACTICAL AREA SHALL BE DISTRURBED DURING CONSTRUCTION, BUT IN NO CASE SHALL EXCEED 5 ACRES AT ANY ONE TIME BEFORE DISTRURBED AREAS ARE STABILIZED.

2. ALL PERIMETER CONTROLS SHALL BE INSTALLED PRIOR TO ANY EARTH MOVING OPERATIONS.

3. ALL AREAS OF UNSTABILIZED SOIL SHALL BE TEMPORARILY STABILIZED AS SOON AS PRACTICAL BUT NO LATER THAN 45 DAYS OF INITIAL DISTURBANCE.

4. TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH PROJECT PLANS. IN ADDITION, SIMILAR MEASURES SHALL BE INSTALLED WHERE AND WHEN THE FIELD CONDITION, OR FIELD OPERATION OF OF THE INDIVIDUAL SITE CONTRACTOR MAY WARRANT.

5. <u>ALL TEMPORARY EROSION CONTROL MEASURES USED SHALL BE INSPECTED WEEKLY AND AFTER EVERY 0.5-INCH OR</u> GREATER RAINFALL WITHIN A 24-HOUR PERIOD. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE CLEANED AND MAINTATINED AND OTHERWISE KEPT IN AN EFFECTIVE OPERATIONS MANNER THROUGHOUT THE CONSTRUCTION PERIOD.

6. ALL ROADWAYS AND PARKING LOTS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINSHED GRADE. ALL CUT AND FILL SLOPES SHALL BE LOAMED AND SEEDED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.

7. ALL DISTURBED AREAS DESIGNATED TO BE TURF, SHALL RECEIVE A MINIMUM APPLICATION OF 4-INCHES OF LOAM (COMPACTED THICKNESS), PRIOR TO FINAL SEEDING AND MULCHING.

8. ALL SWALES AND DITCHLINES SHALL BE FULLY STABILIZED PRIOR TO HAVING STORMWATER DIRECTED TOWARDS

9.ALL SWALES AND DITCHLINES SHALL BE PERIODICALLY CLEANED OF DEPOSITED SEDIMENT SO AS TO MAINTAIN AN EFFECTIVE GRADE AND CROSS SECTION.

10. IN THE EVENT THAT DURING CONSTRUCTION OF ANY PORTION OF THIS PROJECT, A WINTER SHUTDOWN IS NECESSARY, THE CONTRACTOR SHALL STABILIZE ALL INCOMPLETE WORK AND PROVIDE FOR SUITABLE METHODS OF DIVERTING RUNOFF IN ORDER TO ELIMINATE SHEET FLOW ACROSS FROZEN SURFACES.

11. ALL PROPOSED VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, ELSEWHERE. THE PLACEMENT OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS

12. 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.

13. AFTER NOVEMBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED GRAVEL PER NHDOT ITEM 304.3, OR IF CONSTRUCTION IS TO CONTINUE THROUGH THE WINTER SEASON, BE CLEARED OF ANY ACCUMULATED SNOW AFTER EACH STORM EVENT.

14. DUST SHALL BE CONTROLLED BY THE USE OF WATER AS NECESSARY THROUGHOUT THE CONSTRUCTION PERIOD.

15. IN NO WAY ARE THOSE TEMPORARY EROSION CONTROL MEASURES INDICATED ON THESE PLANS TO BE CONSIDERED ALL INCLUSIVE. THE CONTRACTOR SHALL USE JUDGEMENT IN INSTALLING SUPPLEMENTARY EROSION CONTROL MEASURES WHERE AND WHEN SPECIFIC SITE CONDITIONS AND/OR CONSTRUCTION METHODOLOGIES MAY WARRANT.

16. AREAS HAVING FINISH GRADE SLOPES STEEPER THAN 3 : 1 SHALL BE STABILIZED WITH EROSION CONTROL MATS WHEN AND IF FIELD CONDITIONS WARRANT, OR IF SO ORDERED. EROSION CONTROL MATS SHALL BE INSTALLED TO CONFORM WITH THE RECOMMENDED BEST MANAGEMENT PRACTICE OUTLINED IN THE "STORMWATER MANAGEMENT AND EROSION AND SEDIMENT CONTROL HANDBOOK FOR URBAN AND DEVELOPING AREAS IN NEW HAMPSHIRE"

17. IN ORDER TO PROTECT WETLAND AREAS FROM SILTATION DURING CONSTRUCTION OF HOMES ON INDIVIDUAL LOTS, SILTATION FENCE SHALL BE INSTALLED UP GRADIENT OF DESIGNATED WETLANDS WHERE EXCAVATION IS PROPOSED TO OCCUR WITHIN 30-FEET OF SAID WETLANDS.

18. ALL CONSTRUCTION WITHIN 100 FEET OF ANY WETLAND SHALL BE UNDERTAKEN WITH SPECIAL CARE TO AVOID EROSION AND SILTATION INTO THE WETLANDS.

19. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURED:

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

- A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIPRAP HAS BEEN INSTALLED; OR - EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.

CONSTRUCTION SEQUENCE

1. CONTRACTOR TO NOTIFY DIG-SAFE 72-HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.

2. CUT AND CLEAR TREES AND BRUSH ONLY WITHIN DESIGNATED LIMITS OF CLEARING AS NECESSARY TO FACILITATE PROPOSED CONSTRUCTION. ALL TREES, BRANCHES AND OTHER VEGETATIVE MATERIALS SHALL BE PROPERLY DISPOSED OF OFF SITE BY THE CONTRACTOR.

3. PRIOR TO COMMENCEMENT OF ANY GRUBBING OR EARTHMOVING OPERATIONS. ALL SPECIFIED PERIMETER CONTROLS AND STABILIZED CONSTRUCTION EXIT SHALL BE IN PLACE AS SHOWN ON THE PROJECT PLANS.

4. COMPLETE GRUBBING OPERATIONS. ALL STUMPS AND SIMILAR ORGANIC DEBRIS SHALL BE PROPERLY DISPOSED OF BY AREAS OUT OF THE WAY OF OTHER CONSTRUCTIONS ACTIVITIES AND DRAINAGE FLOW. STOCKPILES SHALL BE TEMPORARILY SEEDED WITH WINTER RYE AND BE SURROUNDED WITH HAY BALES AND/OR FABRIC SILTATION FENCE IN ORDER TO PREVENT LOSS DUE TO EROSION.

5. PRIOR TO ROUGH GRADING ANY PORTION OF THE SITE, THE PERMANENT RETENTION BASINS AND DRAINAGE SWALES SHALL BE INSTALLED FOR ANY PORTIONS OF THE SITE THAT WILL DIRECT RUNOFF TO THE BASINS OR SWALES.

6. BEGIN EARTHMOVING OPERATIONS: PERMANENT DOWNSLOPE WORK SHALL BE PROTECTED FROM UPGRADIENT STORMWATER FLOW BY THE CONSTRUCTION OF TEMPORARY EARTHEN DIKES OR EXCAVATED SWALES.

7. INSTALL DRAINAGE SWALE SYSTEMS, DETENTION BASINS AND OTHER UTILITIES WORKING FROM LOW TO HIGH. INCOMPLETE WORK SHALL BE PROTECTED FROM SILTATION BY THE USE OF SILTATION BARRIERS AROUND SWALES UNTIL THE SITE HAS BECOME FULLY STABILIZED.

8. CONSTRUCT TEMPORARY CULVERTS AS NECESSARY TO FACILITATE CONSTRUCTION ACTIVITIES. ALL SUCH CROSSINGS SHALL BE PROTECTED WITH HAY BALE BARRIERS TO LIMIT EROSION.

9. CONSTRUCT CLOSED DRAINAGE SYSTEM, AND OTHER SUBSURFACE UTILITIES, AS APPLICABLE.

10. COMMENCE CONSTRUCTION OF ROADWAYS. PERFORM EXCAVATION ACTIVITIES REQUIRED TO ACHIEVE SUBGRADE ELEVATION. ALL EXCAVATED EMBANKMENTS, DITCHES, SWALES AND ROADWAY CROSS CULVERTS SHALL BE INSTALLED AND STABILIZED. ALL SWALES AND DITCHLINES SHALL BE PROTECTED FROM EROSION BY IMPLEMENTATION OF SILT FENCES AND/OR EROSION CONTROL MULCH BERMS AS SHOWN ON THE PROJECT PLANS. DIVERT STORMWATER RUNOFF THROUGH THE USE OF TEMPORARY CULVERTS, OR OTHER MEANS NECESSARY PRIOR TO THE COMPLETIONS OF A FUNCTIONAL STORM DRAINAGE SYSTEM. SLOPES AND EMBANKMENTS SHALL BE STABILIZED BY TRACKING AND TEMPORARY SEEDING WITH WINTER RYE PRIOR TO TURF ESTABLISHMENT. ALL DITCHES AND SWALES SHALL BE STABILIZED PRIOR TO HAVING RUNOFF DIRECTED TO THEM.

11. COMPLETE CONSTRUCTION OF ROADWAY EMBANKMENTS BY ADDING APPROPRIATE BASE MATERIALS GRADED TO PROPER ELEVATION.

12. COMPLETE EXCAVATION /STABILIZATION GRADING ACTIVITIES. WHEN COMPLETE, IMMEDIATELY BEGIN TOPSOILING PROPOSED TURF AREAS USING STOCKPILED LOAM SUPPLEMENTED WITH BORROW LOAM, IF NECESSARY TO LEAVE A THICKNESS OF 4-INCHES OF FRIABLE LOAM.

13. APPLY TOPSOIL TO ROADWAY SLOPES AND OTHER AREAS DISTURBED BY CONSTRUCTION. TOPSOIL USED MAY BE NATIVE ORGANIC MATERIAL SCREENED SO AS TO BE FREE OF ROOTS, BRANCHES, STONES, AND OTHER DELETERIOUS MATERIALS. TOPSOIL SHALL BE APPLIED SO AS TO PROVIDE A MINIMUM OF A 4-INCH COMPACTED THICKNESS.

14. FINE GRADE ALL FUTURE TURF AREAS AND HYDROSEED WITH THE SPECIFIED SEED MIXTURE IMMEDIATELY AFTER FINE GRADING IS COMPLETED.

15. PERFORM FINE GRADING OF ROADWAY BASE MATERIALS. INSTALL THE BINDER COURSE OF PAVEMENT OVER ALL DESIGNATED AREAS.

16. INSTALL THE SPECIFIED WEARING COURSE OF PAVEMENT OVER THE BINDER COURSE. COMPLETE INSTALLATION OF LANDSCAPING, SIGNAGE AND OTHER SITE AMENITIES.

17. CONTINUE TO MONITOR AND RECTIFY MINOR SITE AND SLOPE EROSION UNTIL ENTIRE SITE APPEARS TO BE COMPLETELY STABILIZED AND VEGETATED WITH A HEALTHY STAND OF TURF OR GROUND COVER. MAINTAIN SPECIFIED SILTATION/EROSION CONTROL MEASURES THROUGH ONE WINTER.

18. AFTER STABILIZATION REMOVE AND SUITABLY DISPOSE OF TEMPORARY EROSION CONTROL MEASURES.

19. MONITOR CONSTRUCTION ACTIVITIES ON INDIVIDUAL LOTS TO INSURE CONSTRUCTION ACTIVITIES ARE BEING PERFORMED IN SUCH A WAY AS NOT TO ENDANGER THE INTEGRITY OF ROADWAY EMBANKMENTS, STORMWATER SYSTEMS AND UTILITIES. ALL DRIVEWAYS ACROSS DITCHLINES SHALL HAVE CULVERTS INSTALLED IN ACCORDANCE WITH LOCAL REQUIREMENTS.

20. THE SMALLEST PRACTICAL AREA SHALL BE DISTURBED DURING CONSTRUCTION, BUT IN NO CASE SHALL EXCEED FIVE (5) ACRES AT ANY ONE TIME BEFORE DISTURBED AREAS ARE STABILIZED.

21. THE PROJECT SHALL BE MANAGED IN A MANNER THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430:53 AND CHAPTER AGR 38000 RELATIVE TO INVASIVE SPECIES.

CONSTRUCTION SPECIFICATIONS 1. CHECKS DAMS SHOULD BE INSTALLED BEFORE RUNOFF IS DIRECTED TO THE SWALE OR DITCH.

2. CAREFUL PLACEMENT WILL BE NECESSARY TO ACHIEVE COMPLETE COVERAGE OF THE DITCH OR SWALE AND TO ENSURE THAT THE CENTER OF THE STRUCTURE IS LOWER THAN THE EDGES.

3. THE MAXIMUM HEIGHT OF THE STRUCTURE SHOULD BE 2-FEET AND THE CENTER OF THE STRUCTURE SHOULD BE AT LEAST 6-INCHES LOWER THAN THE OUTER EDGES. 4. THE MAXIMUM SPACING BETWEEN THE STRUCTURES SHOULD BE SUCH THAT THE TOE OF THE UPSTREAM STRUCTURE IS AT THE SAME ELEVATION AS THE TOP OF

5. STRUCTURES SHALL BE REMOVED FROM THE CHANNEL WHEN THEIR USEFUL LIFE HAS EXPIRED.

MAINTENANCE & INSPECTION 1. CHECK DAMS SHOULD BE CHECKED AFTER EACH

DOWNSTREAM STRUCTURE.

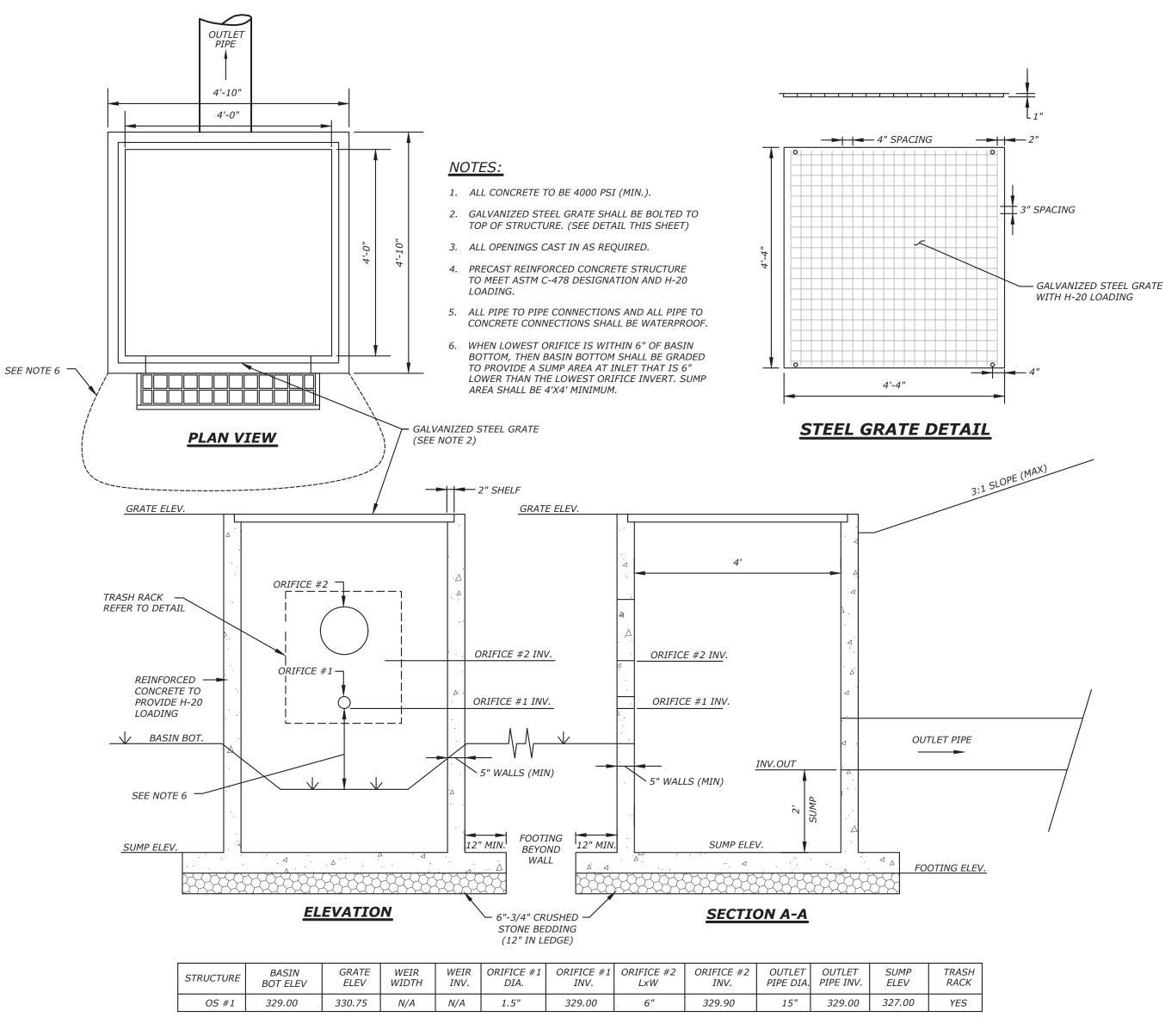
RAINFALL AND AT LEAST DAILY DURING PROLONGED STORMS, AND ANY NECESSARY REPAIRS SHOULD BE MADE IMMEDIATELY.

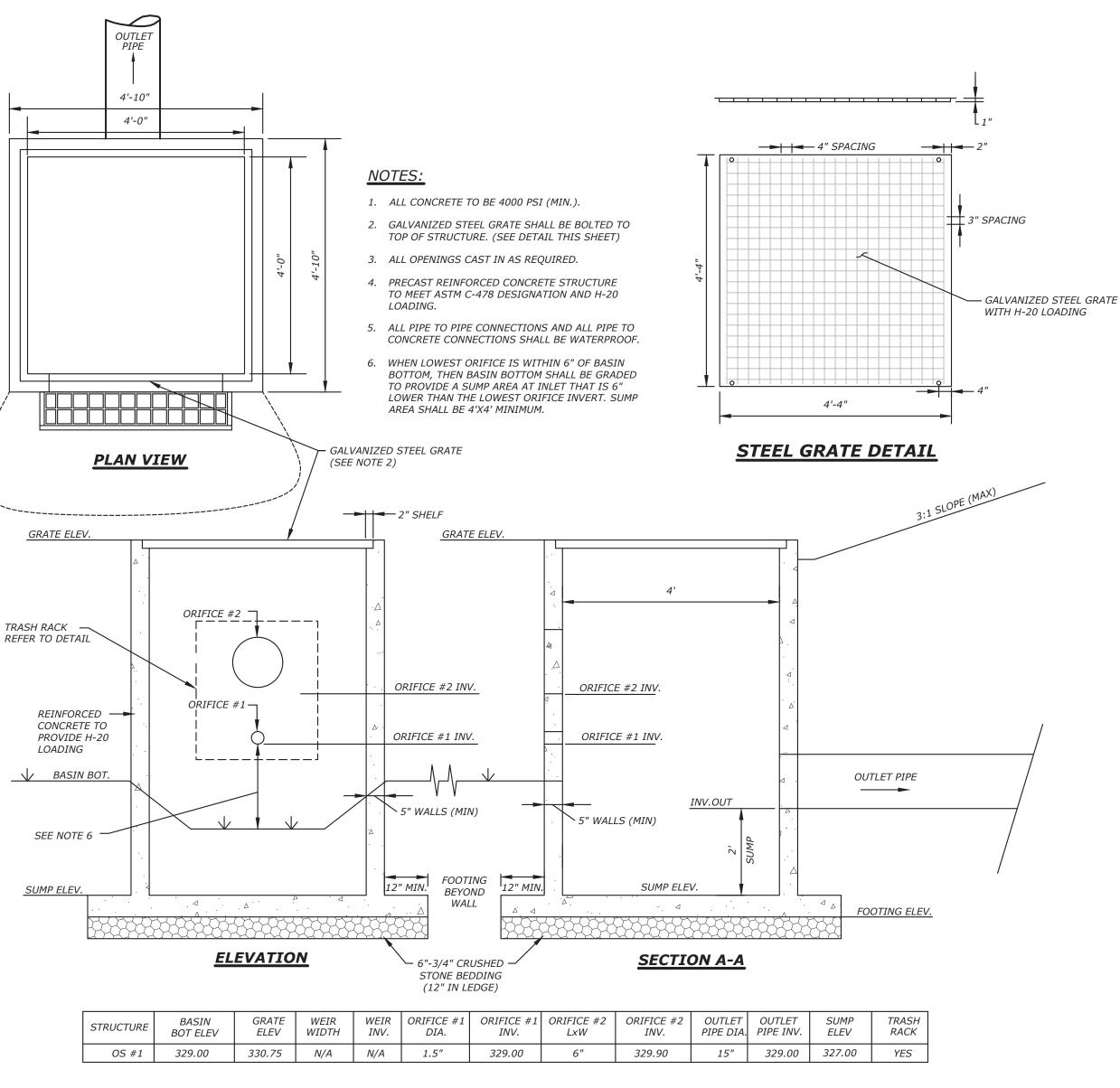
2. PARTICULAR ATTENTION SHOULD BE GIVEN TO END RUN AND EROSION AT THE DOWNSTREAM TOE OF THE STRUCTURE, AND TO ENSURE THAT THE CENTER OF THE DAM IS LOWER THAN THE EDGES.

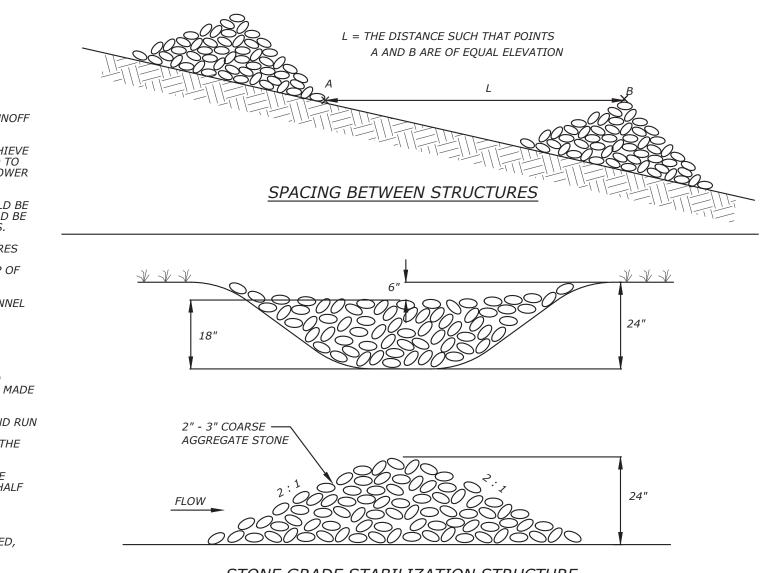
SEDIMENT SHALL BE REMOVED FROM BEHIND THE STRUCTURES WHEN IT HAS ACCUMULATED TO ONE HALF OF THE ORIGINAL HEIGHT OF THE STRUCTURE.

WHEN THE STRUCTURES ARE REMOVED, THE DISTURBED PORTION SHOULD BE BROUGHT TO THE EXISTING CHANNEL GRADE AND THE AREAS PREPARED.

SEEDED, AND MULCHED IMMEDIATELY.







STONE GRADE STABILIZATION STRUCTURE

CONSTRUCTION SPECIFICATIONS

1. THE GEOTEXTILE FABRIC SHALL MEET THE DESIGN CRITERIA FOR SILT FENCES.

2. THE FABRIC SHALL BE EMBEDDED A MINIMUM OF 8 INCHES INTO THE GROUND AND THE SOIL COMPACTED OVER THE EMBEDDED FABRIC.

. WHEN APPLICABLE, WOVEN WIRE FENCE SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH WIRE TIE OR STAPLES. FILTER CLOTH SHALL BE FASTENED SECURELY TO THE WOVEN WIRE FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP, MID-SECTION, AND ВОТТОМ.

4. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES, FOLDED, AND STAPLED.

5. FENCE POSTS SHALL BE A MINIMUM OF 36 INCHES LONG AND DRIVEN A MINIMUM OF 16 INCHES INTO THE GROUND. WOOD POSTS SHALL BE OF SOUND QUALITY HARDWOOD AND SHALL HAVE A MINIMUM CROSS SECTIONAL AREA OF 3.0 SQUARE INCHES.

MAINTENANCE

1. SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY.

2. IF THE FABRIC ON A SILT FENCE SHOULD DECOMPOSE OR BECOME INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY.

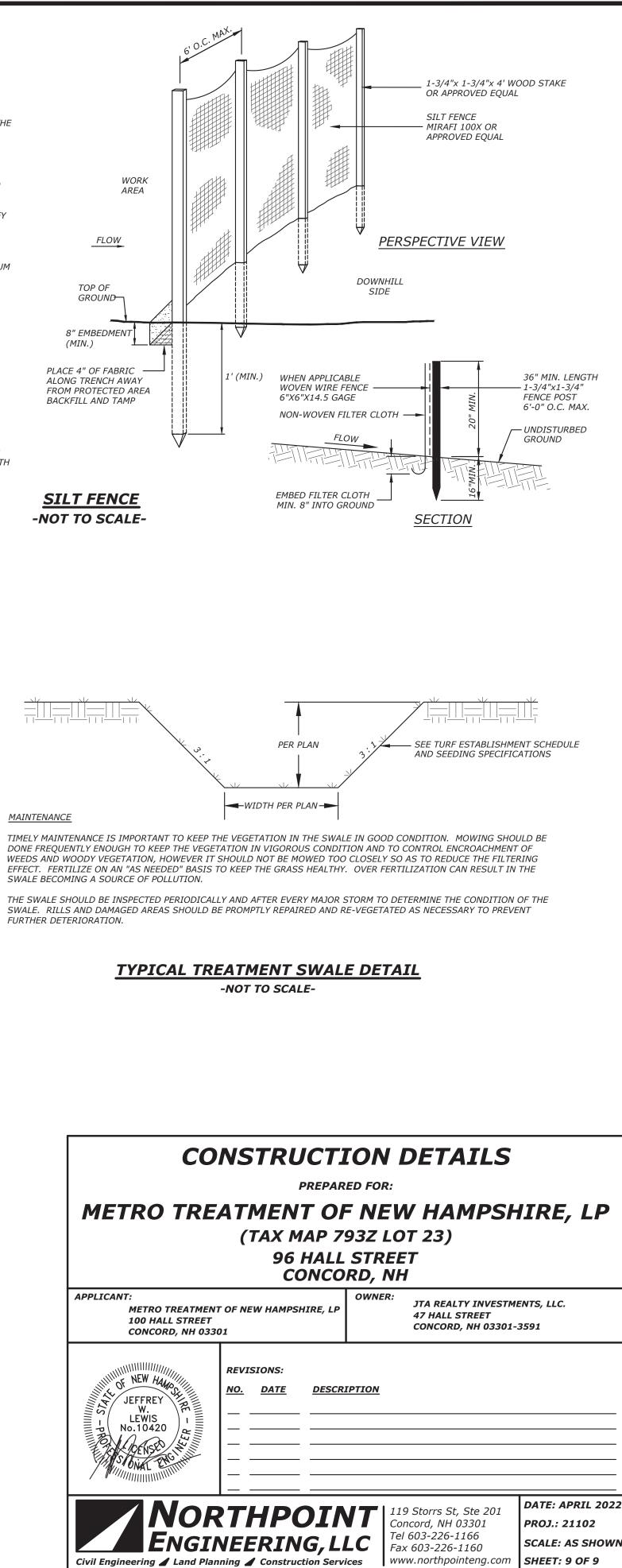
3. SEDIMENT DEPOSITS SHOULD BE INSPECTED AFTER EVERY STORM EVENT. THE DEPOSITS SHOULD BE REMOVED WHEN THEY REACH APPROXIMATELY ONE-THIRD THE HEIGHT OF THE BARRIER.

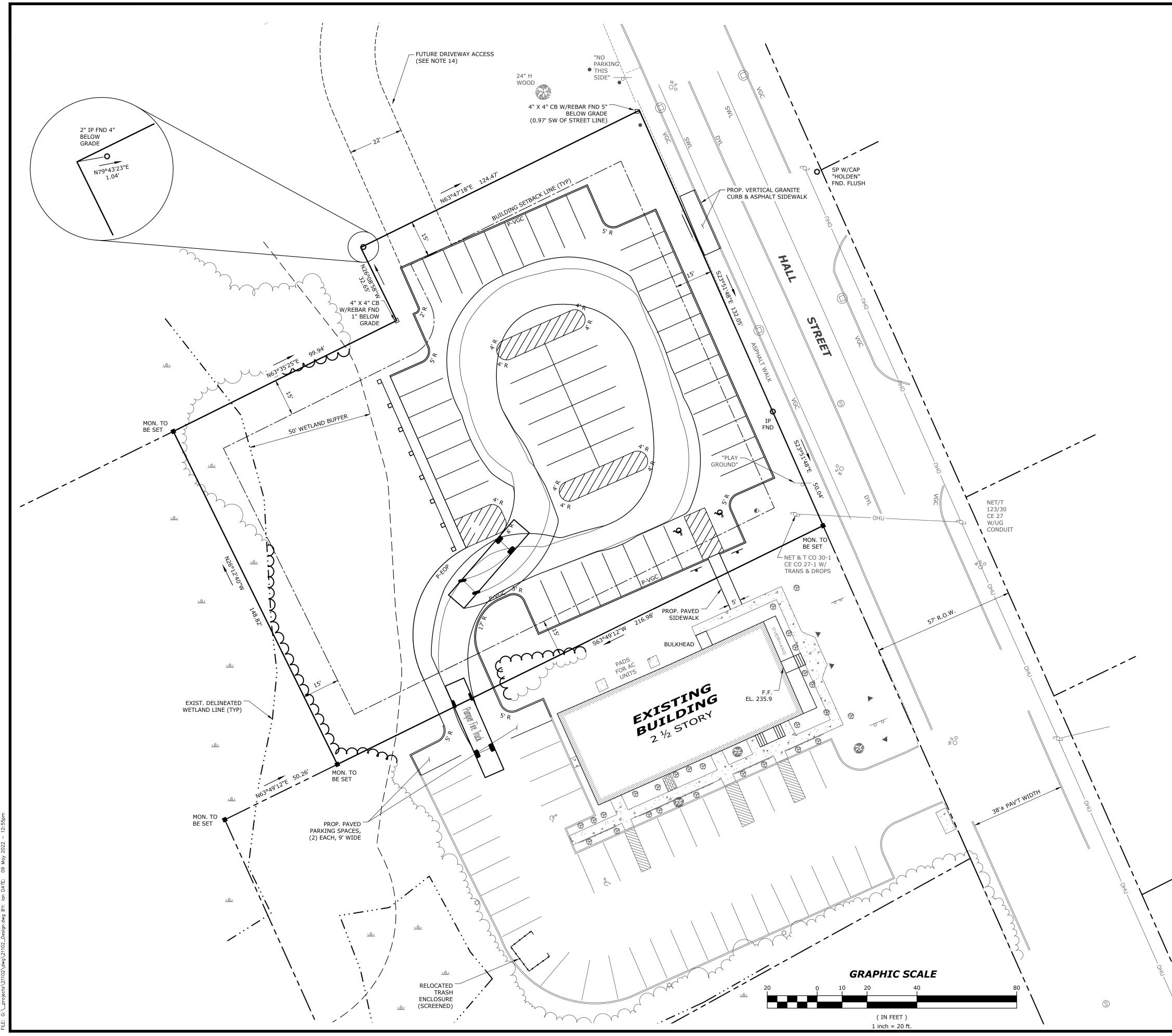
4. SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE FABRIC HAS BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.

STONE CHECK DAM -NOT TO SCALE-

OUTLET STRUCTURE #1

-NOT TO SCALE-





	CK EXHIBIT
METRO TREATMENT OF NEW HAMPSHIRE, LP (TAX MAP 793Z LOT 23) 96 HALL STREET CONCORD, NH	
APPLICANT: METRO TREATMENT OF NEW HAMPSHIRE, LP 100 HALL STREET CONCORD, NH 03301	OWNER:
REVISIONS: NO. DATE DESCR. — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — —	RIPTION
Civil Engineering & Land Planning & Construction Server	LC Tel 603-226-1166 Fax 603-226-1160 SCALE: 1"=20