

TOWN OF GORHAM
PLANNING BOARD
APPLICATION FOR: MAJOR SUBDIVISION, MINOR SUBDIVISION
LOT LINE ADJUSTMENT OR SITE PLAN REVIEW

Map **U3 Lot 64 & 65**

Major Subdivision Minor Subdivision

Lot Line Agreement/Boundary Adjustment Site Plan Review

Street/Location 20 Glen Road

To have an application accepted as complete prior to Planning Board's Consideration for approval, an applicant must:

1. submit this form, along with the appropriate checklist attached
2. Provide all information required by the subdivision Regulation, and:
3. Remit full payment of application fees to the Board **15 days before** the regular monthly meeting.

The undersigned owner and/or his designated agent hereby submits to the Gorham Planning Board a subdivision plat dated 7-5-21 which is entitled **Site Plan for 20 Glen Rd, LLC** and requests approval of said plat, pursuant to the requirements of the APPROPRIATE checklist. In consideration of this approval and the privileges adherent thereto, the applicant hereby agrees:

1. To carry out the improvements as shown and intended by said plat. Including any work made necessary by unforeseen conditions, which become apparent during construction.
2. To post all streets "Private" until accepted by the Town and to provide and install standard street signs approved by the Town for all street intersections.
3. To give to the Town on demand, proper deeds for And or right-of-way reserved on the plat for the streets, drainage or other purposes as agreed upon
4. to hold the Town harmless from any obligation it may incur, or repairs it may make, because of applicant's failure to carry out any of the foregoing provisions.
5. To make no changes whatsoever in the Final Plat as approved by the Board unless a revised plat or resubdivision is submitted to and approved by the Board.

The undersigned owner may designate an agent (relative, surveyor, real estate broker, etc.) to carry out the application process and to whom all related communications may be addressed:

Owners Name and Address

**20 Glen Rd, LLC
34 Jimtown Road
Gorham, NH 03581**

Agents Name and Address

**Burke J. York
York Land Services, LLC
3 12th Street
Berlin, NH 03570**

List of Abutters
 20 Glen Road, LLC
 Site Plan
 Map U3 Lot 64 & 65
 Glen Road
 Gorham, NH 03581
 June 30, 2021

Owners

Parcel Number	Property Address	Owner Name	Owner Address	Owner Address 2	Owner City	Owner State	Owner Zip
00U3-00064-0000	26 GLEN RD	KELLEY, BARRY J	220 CHURCH ST		BERLIN	NH	03570
00U3-00628-0000	0 GLEN RD	KELLEY, BARRY J	220 CHURCH ST		BERLIN	NH	03570
00U3-00065-0000	20 GLEN RD	20 GLEN RD LLC	101 US ROUTE 2		RANDOLPH	NH	03593
		Agent					
		BURKE J. YORK	3 TWELFTH STREET		BERLIN	NH	03570
		Engineer					
		DON BOUCHARD	34 SCHOOL STREET		LITTLETON	NH	03561
		Co-Owner Name					
00U2-00052-0000	15 GLEN RD	SCHILKE, MARLENA	1635 US HWY 206		CHESTER	NJ	07930
00U2-00053-0000	17 GLEN RD	RODGERS II, ALLEN J	17 GLEN ROAD		GORHAM	NH	03581
00U2-00054-0000	4 RAILROAD ST	GARGANO, ROBERT	4 RAILROAD STREET		GORHAM	NH	03581
00U2-00056-0000	19 GLEN RD	BJB PROPERTIES	124 ROGERS ROAD		BELMONT	NH	03220
00U2-00057-0000	1 WASHINGTON ST	TROW, RICHARD	23 KENDRICK ROAD		WAKEFIELD	MA	01880
00U3-00031-0000	10 WASHINGTON ST	TAILLON, DANIEL R.	10 WASHINGTON STREET		GORHAM	NH	03581
00U3-00032-0000	2 WASHINGTON ST	NEW HAMPSHIRE, STATE OF	P. O. BOX 483		CONCORD	NH	03302-0483
00U3-00033-0000	25 GLEN RD	VILLENEUVE WAYNE	25 GLEN ROAD	APT #2	GORHAM	NH	03581
00U3-00033-0001	23 GLEN RD	VILLENEUVE LORRAINE T	117 WEST MILAN ROAD		BERLIN	NH	03570
00U3-00034-0000	31 GLEN RD	TURNER, TIMOTHY J	31 FEDERAL FURNACE ROAD		PLYMOUTH	MA	02360
00U3-00035-0000	33 GLEN RD	WILLIAMS, SHAWN M	33 GLEN ROAD		GORHAM	NH	03581
00U3-00062-0000	36 GLEN RD	GORHAM STORAGE, LLC	10 WASHINGTON ST		GORHAM	NH	03581
00U3-00063-0000	30 GLEN RD	WALLINGFORD TRUST RICHARD E	RICHARD WALLINGFORD JR TRUSTEE	30 GLEN RD	GORHAM	NH	03581
00U3-00066-0000	18 GLEN RD	EIGHTEEN GLEN LLC	18 GLEN RD		GORHAM	NH	03581
00U5-00001-0000	69 MAIN ST	GORHAM, TOWN OF	OFFICE OF SELECTMEN		GORHAM	NH	03581
00U5-00012-0000	25 RAILROAD ST	ST. LAWRENCE & ATLANTIC RAILRD	9001 BOUL DE L'ACADIE		GORHAM	NH	03581
00U5-00012-0001	25 RAILROAD ST	GORHAM HISTORICAL SOCIETY	PO BOX 351		MONTREAL	QC	H4N 3H5
					GORHAM	NH	03581-1330

June 29, 2021

Planning Board
Town of Gorham NH
20 park St.
Gorham, NH 03581

To Whom it May Concern:

By this letter, I hereby authorize Horizons Engineering, Inc and 20 Glen Rd. LLC to act as my Agent to apply for Site Plan Review and Lot Line Adjustment in regards to Lot 64 and Lot 65 found on Map U-3 on my behalf. I agree to the conditions stated on the application for the Site Plan Review and Lot Line Adjustment.

Sincerely,


Mark Kelly (owner)

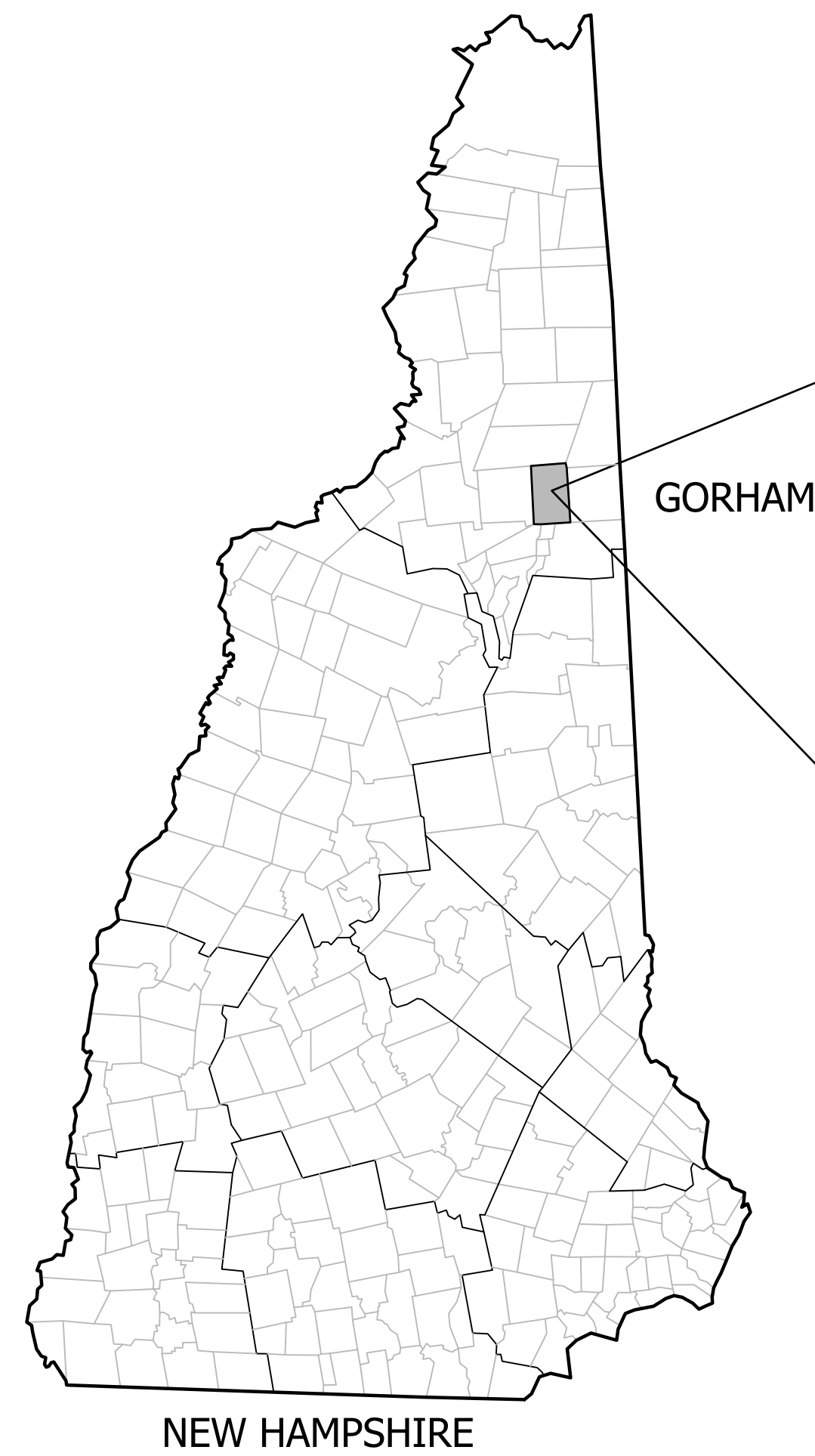

Barry Kelly (owner)

20 GLEN ROAD, LLC

SITE DESIGN - MAP U3 LOT 64 AND 65

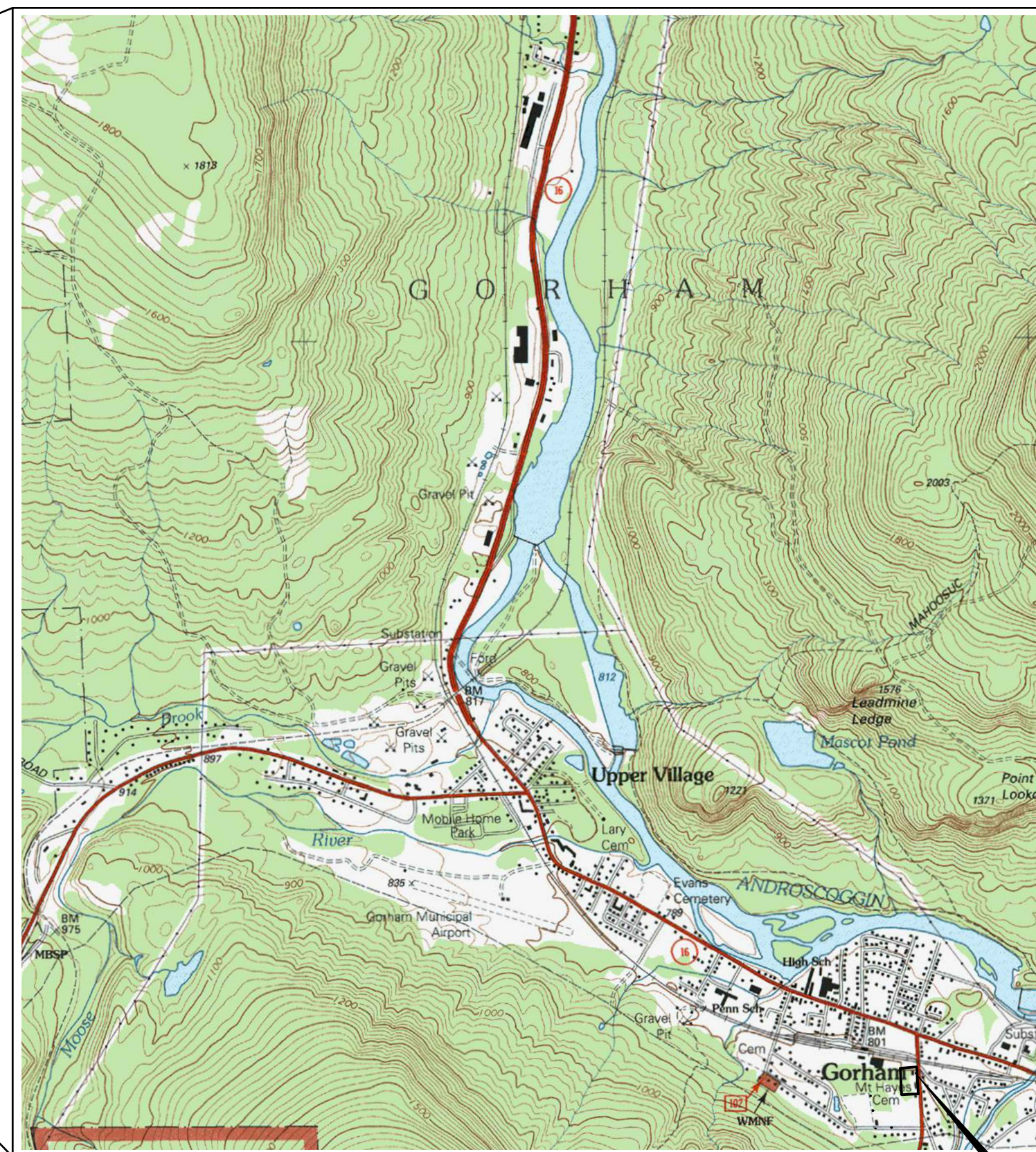
GORHAM, NEW HAMPSHIRE

JULY, 2021



NEW HAMPSHIRE

GORHAM



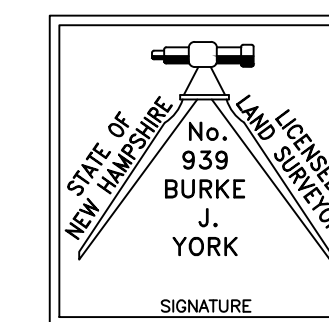
LOCATION PLAN

SCALE: 1" = 2000'

PROJECT LOCATION
MAP U3 LOT 64
AND 65

APPROVED BY GORHAM, NH PLANNING BOARD
DATE: _____

FOR REVIEW
NOT FOR CONSTRUCTION



OWNER:

JASON HUNTER
34 JIMTOWN ROAD
GORHAM, NH 03581
(603) 723-8025

ENGINEER:

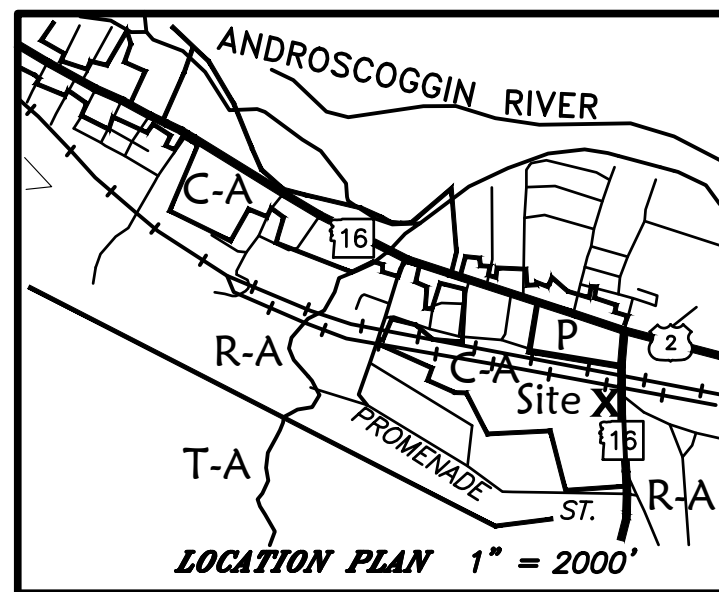
horizons
Engineering

34 SCHOOL STREET
LITTLETON, NH 03561
(603) 444-4111

SURVEYOR:

YORK LAND SERVICES, LLC
RIVERSIDE COURTS
3 TWELFTH STREET
BERLIN, NH 03570
(603) 752-7282

SHEET INDEX SHEET NO.	DESCRIPTION
C1.0	COVER
C1.1	OVERALL SITE PLAN, GENERAL NOTES AND LEGEND
C2.0	EXISTING CONDITIONS PLAN
C2.1	PROPOSED SITE PLAN
C2.2	WB-62 TURN TEMPLATES
C3.1	MISCELLANEOUS DETAILS
C3.2	EROSION CONTROL DETAILS AND NOTES



GENERAL NOTES

- ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE PLANS AND TECHNICAL SPECIFICATIONS FOR "20 GLEN ROAD, LLC - BREW PUB SITE DESIGN LOTS 64 & 65 TAX MAP U-3" DATED "JULY, 2021"
- NO EXISTING MONUMENTS, BOUNDS, OR BENCHMARKS SHALL BE DISTURBED WITHOUT FIRST MAKING PROVISIONS FOR RELOCATION.
- ALL WORK SHALL BE PERFORMED WITHIN THE PROPERTY OF, AND EASEMENTS SECURED BY, THE OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DATA COLLECTION AND PREPARATION OF RECORD DRAWINGS.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONTROLLING EROSION IN ALL AREAS DISTURBED BY HIS ACTIONS. COSTS FOR REQUIRED EROSION CONTROL, REGARDLESS OF WHETHER OR NOT SUCH MEASURES ARE SHOWN ON THE ENGINEERING DRAWINGS, SHALL BE BORNE BY HIM.
- UTILITY LOCATIONS ARE BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR LOCATION AND PROTECTION OF EXISTING UTILITIES AND SHALL REPAIR ANY DAMAGE AS QUICKLY AS POSSIBLE AT HIS OWN EXPENSE. ALL UTILITIES ENCOUNTERED SHALL BE LOCATED BY DEPTH AND TIES AND SHOWN BY THE CONTRACTOR ON HIS "AS BUILT" DRAWINGS. HAND EXCAVATION SHALL BE DONE WHEREVER UNDERGROUND UTILITIES ARE SHOWN OR ANTICIPATED. THE CONTRACTOR SHALL CONTACT DIG SAFE AND THE APPROPRIATE AUTHORITIES PRIOR TO ANY CONSTRUCTION IN ORDER TO VERIFY EXISTING CONDITIONS AND UTILITY LOCATIONS.
- BASE MAP INFORMATION INCLUDING BOUNDARY AND TOPOGRAPHY ON THESE PLANS IS FROM PLANS PREPARED BY YORK LAND SERVICES, INC., TITLED "BIG DAY BREWING COMPANY AND BARKER MOUNTAIN BIKES FOR 20 GLEN ROAD LLC.", AND DATED "FEBRUARY 2021".
- HORIZONS ENGINEERING, INC. CANNOT BE HELD ACCOUNTABLE FOR SYSTEM FAILURES WHEN CONSTRUCTION ACTIVITIES ARE NOT CONTINUOUSLY MONITORED BY OUR CONSTRUCTION OBSERVERS. FURTHERMORE, HORIZONS ENGINEERING, INC. WILL NOT BE HELD ACCOUNTABLE FOR SYSTEM FAILURES WHERE CONSTRUCTION ACTIVITIES DEVIATE FROM THOSE SPECIFIED REGARDING MATERIALS AND WORKMANSHIP.
- ACTUAL CONDITIONS ENCOUNTERED IN THE FIELD DURING CONSTRUCTION MAY BE DIFFERENT THAN SHOWN AND MAY REQUIRE DESIGN MODIFICATIONS.

LEGEND

- 1 FOOT CONTOURS
- 5 FOOT CONTOURS
- PROPERTY LINE
- SETBACK
- OVER HEAD ELECTRICAL
- CATCH BASIN
- SEWER MANHOLE
- SEWER SERVICE
- PAVEMENT
- UTILITY POLE
- TREELINE
- IRON PIN FOUND



NEWPORT VT • LITTLETON NH • NEW LONDON NH
POMFRET VT • KENNEBUNK ME • CONWAY NH

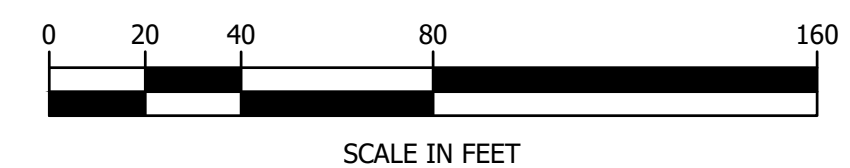
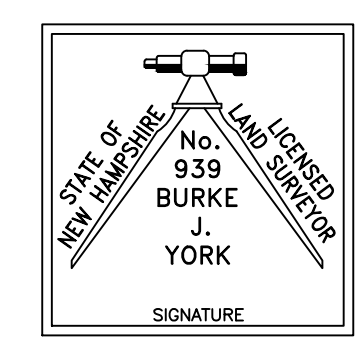
20 GLEN ROAD, LLC

SITE DESIGN
MAP U3 LOT 65
GORHAM, NEW HAMPSHIRE

OVERALL SITE PLAN, GENERAL NOTES,
AND LEGEND

NO.	DATE	REVISION DESCRIPTION	ENG	DWG

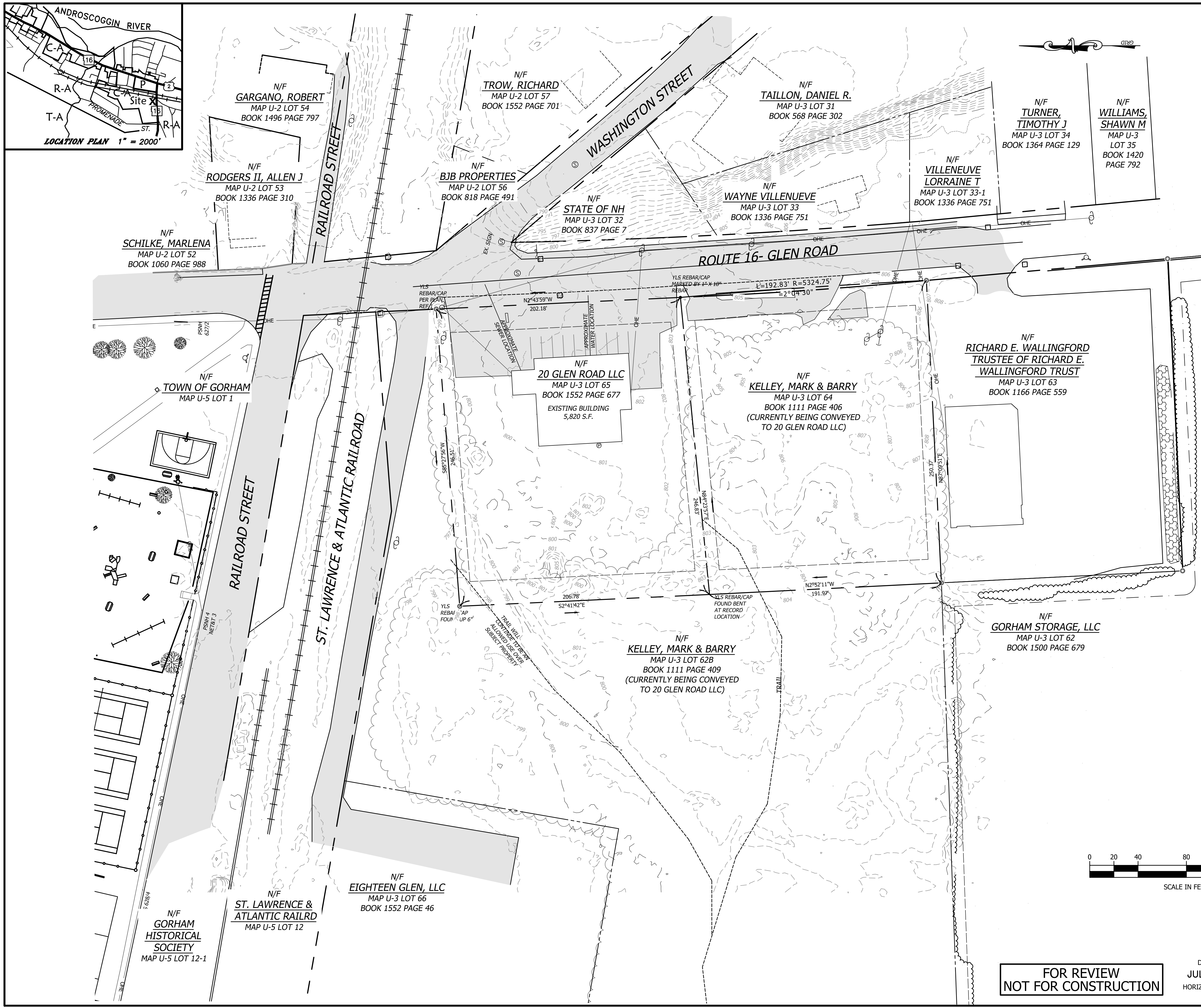
	DATE:	PROJECT #:
	JULY 2021	21047
	ENGINE'D BY:	DRAWN BY:
	DEB	DEB
CHECK'D BY:	ARCHIVE #:	
CFC	H-5671	
SHEET NO.		C1.1



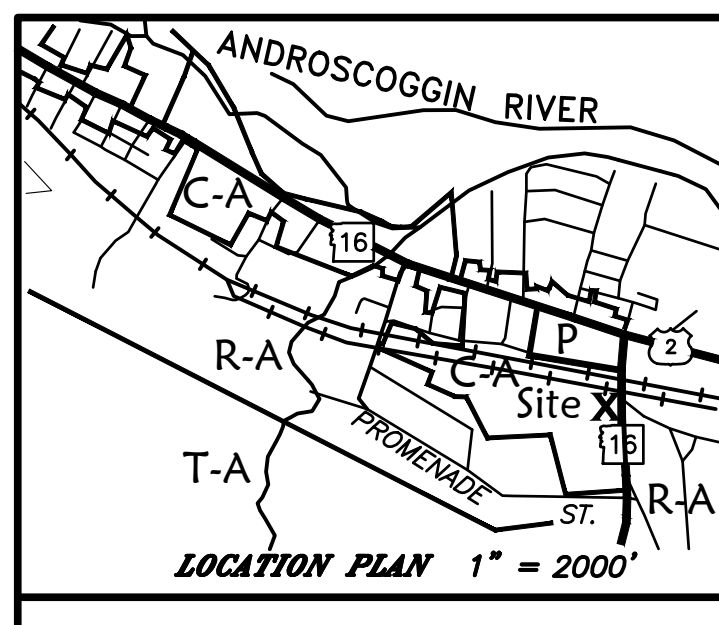
**FOR REVIEW
NOT FOR CONSTRUCTION**

DATE OF PRINT
JULY 02 2021
HORIZONS ENGINEERING

© 2021
horizons Engineering
All rights reserved



\\192.168.50.34\ltp\proj_2021\21047\Glen Rd - Hunter Drive Permit-Gorham\DWG\Site\21047_GlenRd_Site03.dwg, CL_1, 7/2/2021 2:42:56 PM, DBouchard



TIES
T 56
GE 491

N/F
STATE OF NH
MAP U-3 LOT 32
BOOK 837 PAGE 7

N/F
WAYNE VILLENEUVE
MAP U-3 LOT 33
BOOK 1336 PAGE 751

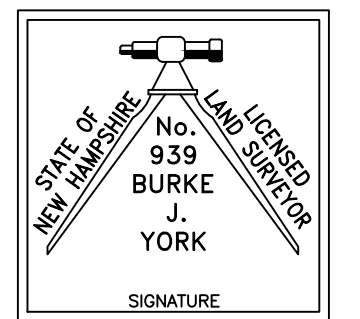
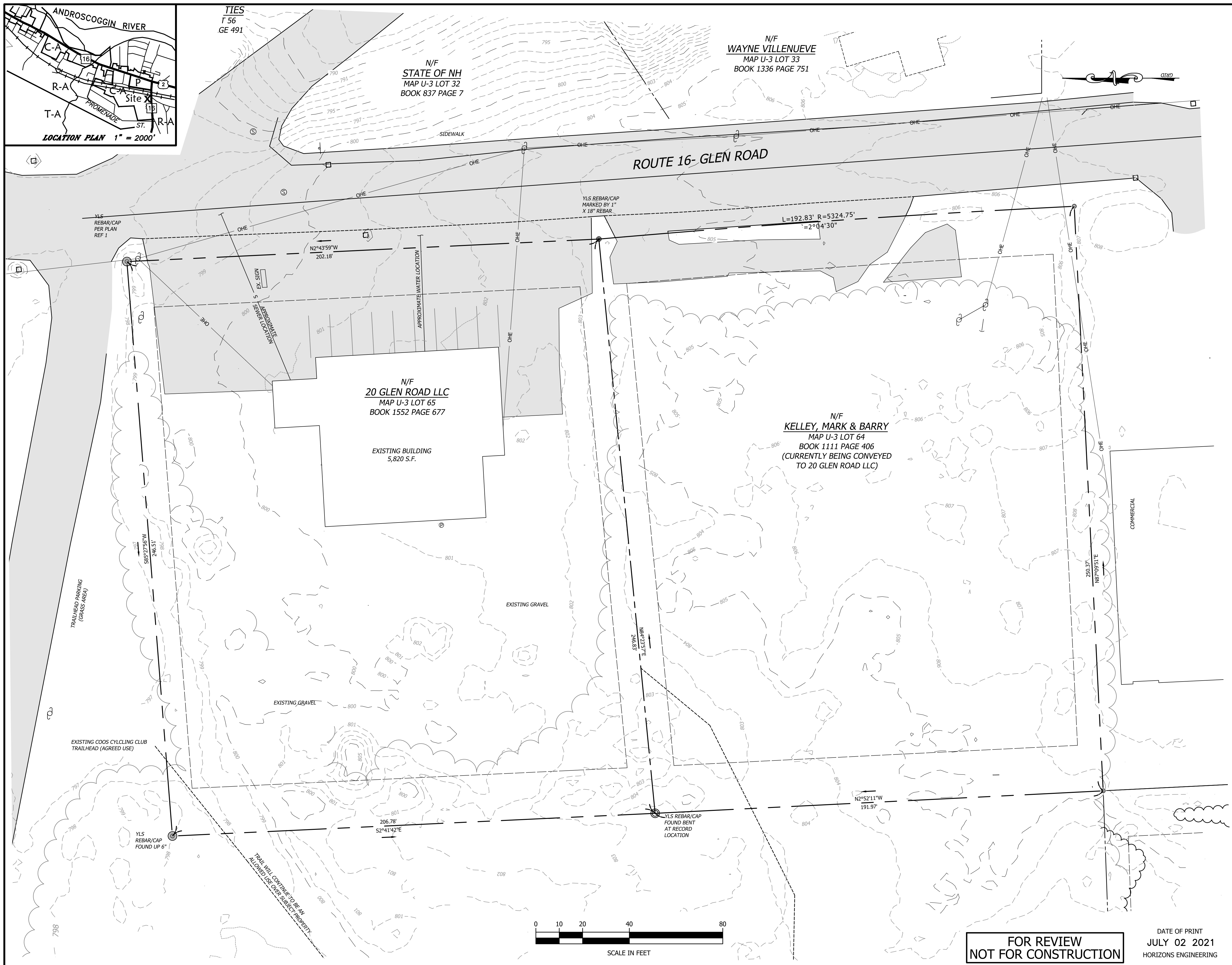
N/F
20 GLEN ROAD LLC
MAP U-3 LOT 65
BOOK 1552 PAGE 677

N/F
KELLEY, MARK & BARRY
MAP U-3 LOT 64
BOOK 1111 PAGE 406
(CURRENTLY BEING CONVEYED
TO 20 GLEN ROAD LLC)

PLAN REFERENCES:
1) "PLAT OF MAJOR SUBDIVISION AND LOT LINE ADJUSTMENT FOR ST. LAWRENCE & ATLANTIC RAILROAD," DATED NOVEMBER 30, 1989, REVISED TO JUNE 26, 1990, BY YORK LAND SERVICES CO., RECORDED AT COOS COUNTY REGISTRY OF DEEDS AS PLAN 452A (YLS DWG. #89-174).

LEGEND

- 1 FOOT CONTOURS
- 5 FOOT CONTOURS
- PROPERTY LINE
- SETBACK
- OHE --- OVER HEAD ELECTRICAL
- CATCH BASIN
- ⊙ SEWER MANHOLE
- SEWER SERVICE
- PAVEMENT
- ⊕ UTILITY POLE
- TREELINE
- IRON PIN FOUND

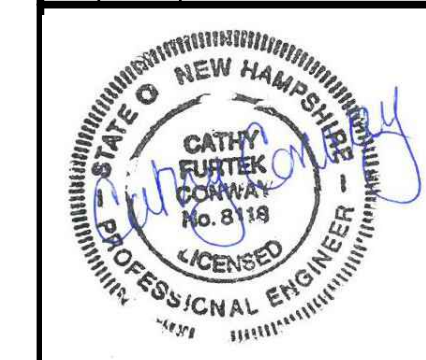


horizons
Engineering
NEWPORT VT • LITTLETON NH • NEW LONDON NH
POMFRET VT • KENNEBUNK ME • CONWAY NH

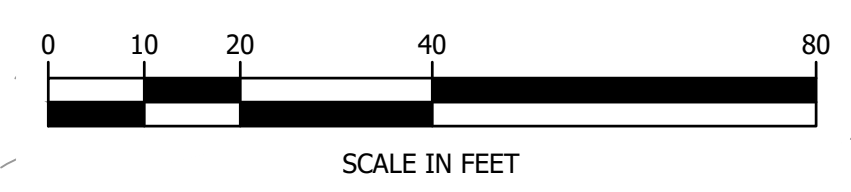
20 GLEN ROAD, LLC
SITE DESIGN
MAP U3 LOT 65
GORHAM, NEW HAMPSHIRE

EXISTING CONDITIONS PLAN

NO.	DATE	REVISION DESCRIPTION	ENG	DWG



DATE: JULY 2021
PROJECT #: 21047
ENGIN'D BY: DEB
DRAWN BY: DEB
CHECK'D BY: ARCHIVE #:
CFC H-5671
SHEET NO. C2.0



FOR REVIEW
NOT FOR CONSTRUCTION

DATE OF PRINT
JULY 02 2021
HORIZONS ENGINEERING

© 2021
horizons
Engineering
All rights reserved

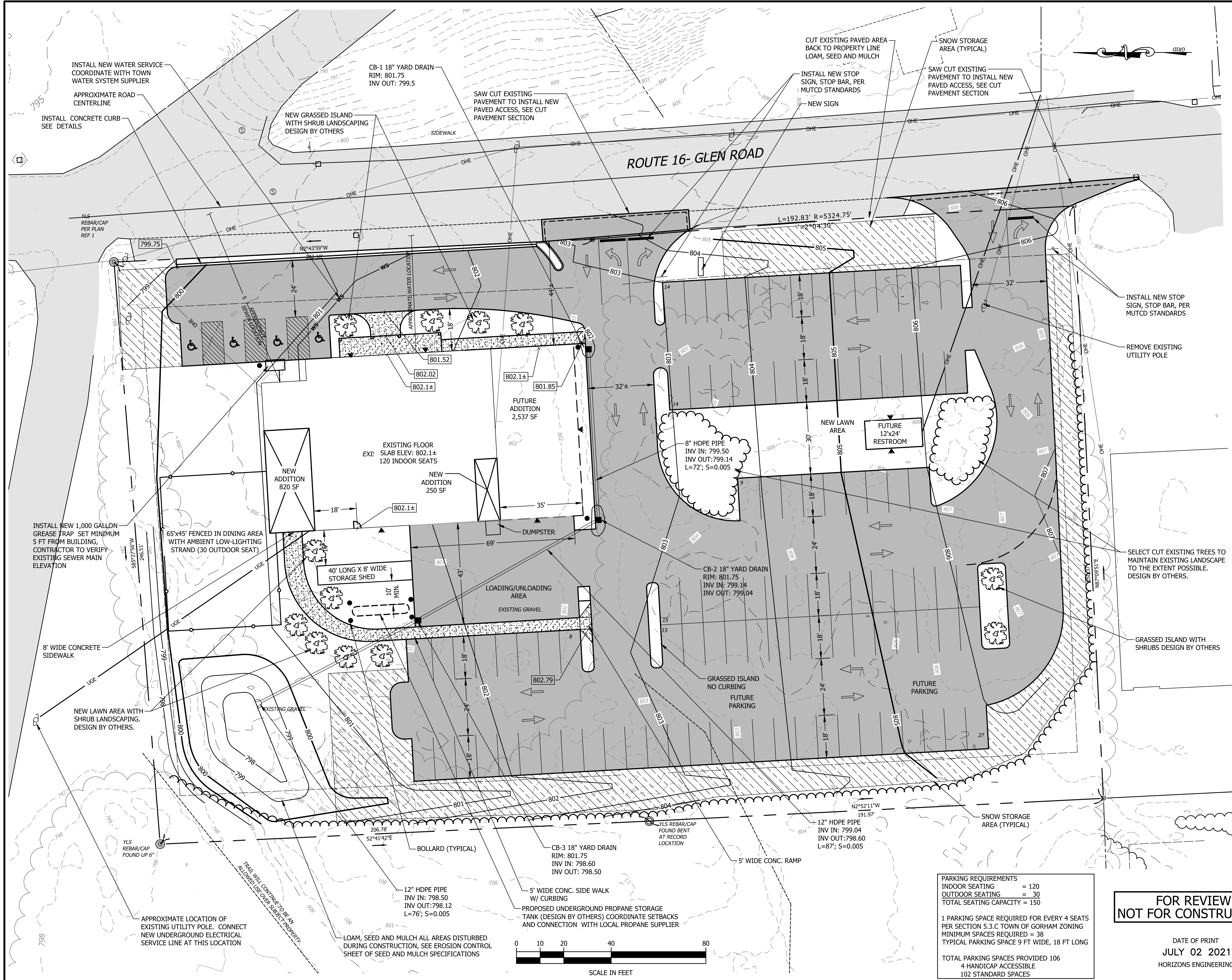
\\192.168.50.34\ltp\proj_2021\21047\Glen Rd - Hunter Drive Permit\Gorham\DWG\Final\21047 Glen Rd - Hunter Drive Permit_Site03.dwg, C2_0_7/2/2021 2:43:05 PM, DBoisard

SITE PLAN NOTES

- ZONING DISTRICT: C-A, COMMERCIAL A. CURRENT BUILDING SETBACKS: 20' FRONT/REAR, 10' SIDES.
- NORTH IS NEW HAMPSHIRE STATE PLANE GRID NAD83 BASED ON OPUS DERIVED POSITION OF A SURVEY CONTROL POINT ESTABLISHED AS PART OF THIS PROJECT. VERTICAL DATUM IS NAVD83 BASED ON USGS BENCHMARK AFFIXED TO SOUTH WALL OF TOWN HALL (USGS 0 1 1922, PF0381- NHDOT 177-0050- FEMA RM16). 1' CONTOURS DERIVED FROM PUBLICLY ACCESSIBLE LIDAR DATA.
- SUBJECT PROPERTY DOES NOT FALL WITHIN A FEMA DESIGNATED SPECIAL FLOOD HAZARD AREA (SFHA).
- I, BURKE YORK, CERTIFY TO THE BEST OF MY KNOWLEDGE THAT THERE IS NO CURRENT ZONING OR LAND USE VIOLATIONS (NONE HAVE BEEN PRESENTED BY TOWN OF GORHAM) OR UNRESOLVED BOUNDARY CLAIMS OR DISPUTES PERTAINING TO THE SUBJECT PARCEL.
- BUILDING HEIGHTS OF RESIDENTIAL AND COMMERCIAL BUILDINGS SHOWN ARE TYPICAL 1-2 STORY. SUBJECT STRUCTURE IS 1 STORY. MAX HEIGHT PER TOWN STANDARDS IS 35'.
- VEGETATION IN THE VICINITY OF THE SUBJECT STRUCTURE IS SHOWN. TREELINE TO BE TRIMMED BACK TO BOUNDARY LINES.
- UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE LOCATIONS ONLY.
- NO EXISTING LIGHTING IS EXPECTED TO REMAIN. NEW LIGHTING MUST CONFORM TO TOWN OF GORHAM STANDARDS. "BISTRO LIGHTS" SHOWN IN THE OUTSIDE DINING AREA ARE AMBIENT LOW-LIGHTING STRAND LIGHTS AFFIXED TO POSTS. "POST LIGHTS" ARE AN AMBIENT LED LIGHT. THE COVERED ENTRANCE AND COVERED DINING AREA WILL HAVE DOWNWARD FACING HANGING BARN LIGHTS FOCUSED ON THE TABLES OR ENTRANCES. LIGHTS AFFIXED TO BUILDING WILL BE DOWNWARD FACING BARN LIGHTS. SIGN LIGHTS WILL BE TYPICAL DOWNWARD FACING SIGN LIGHTS.
- SIGNS: ONE FREESTANDING SIGN IN THE ROADSIDE ISLAND AND TWO ADDITIONAL SIGNS AFFIXED TO THE BUILDING ARE PROPOSED (ONE FOR BIKE SHOP, ONE FOR BREW/PUB). ALL NEW SIGNAGE MUST COMPLY TO TOWN OF GORHAM ZONING STANDARDS.
- RUBBISH REMOVAL: ENCLOSED DUMPSTER AND RECYCLING AREA SHOWN. PRIVATE REMOVAL.
- HOURS OF OPERATION ARE TYPICAL: RETAIL AND RENTAL BIKE SHOP: 8AM TO 8PM. BREW PUB: 11AM TO 10PM.
- STORMWATER FLOW FROM THE EXISTING BUILDING AND NEW IMPERVIOUS AREAS SHALL BE DIRECTED TO THE LOW POINT OF THE SITE AT ELEVATION 798 WHERE STORMWATER WILL INFILTRATE INTO THE EXISTING GRAVEL SUB-BASE.
- THE SITE PLAN REGULATIONS OF THE TOWN OF GORHAM, ARE A PART OF THIS PLAN, AND APPROVAL OF THIS PLAN IS CONTINGENT ON COMPLETION OF ALL REQUIREMENTS OF SAID SUBDIVISION REGULATIONS, EXCEPTING ONLY ANY WAIVERS OR MODIFICATIONS MADE IN WRITING BY THE TOWN PLANNING BOARD AND ATTACHED HERETO

LEGEND

- 1 FOOT CONTOURS
- 5 FOOT CONTOURS
- PROPERTY LINE
- SNOW STORAGE
- OVER HEAD ELECTRIC
- UNDERGROUND ELECTRIC
- NYOPLAST BASIN
- WATER SERVICE
- SEWER SERVICE
- PAVEMENT
- TREELINE
- SIGHT LIGHTING SEE NOTE 8 DESIGN BY OTHERS
- LANDSCAPE AREA DESIGN BY OTHERS



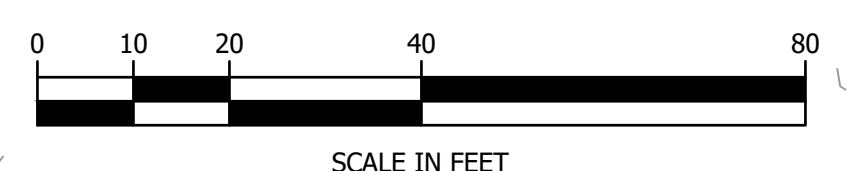
PARKING REQUIREMENTS
 INDOOR SEATING = 120
 OUTDOOR SEATING = 30
 TOTAL SEATING CAPACITY = 150

1 PARKING SPACE REQUIRED FOR EVERY 4 SEATS PER SECTION 5.3.C TOWN OF GORHAM ZONING MINIMUM SPACES REQUIRED = 38
 TYPICAL PARKING SPACE 9 FT WIDE, 18 FT LONG

TOTAL PARKING SPACES PROVIDED 106
 4 HANDICAP ACCESSIBLE
 102 STANDARD SPACES

**FOR REVIEW
 NOT FOR CONSTRUCTION**

DATE OF PRINT
 JULY 02 2021
 HORIZONS ENGINEERING



NEWPORT VT • LITTLETON NH • NEW LONDON NH
 POMFRET VT • KENNEBUNK ME • CONWAY NH

20 GLEN ROAD, LLC

SITE DESIGN
 MAP U3 LOT 65
 GORHAM, NEW HAMPSHIRE

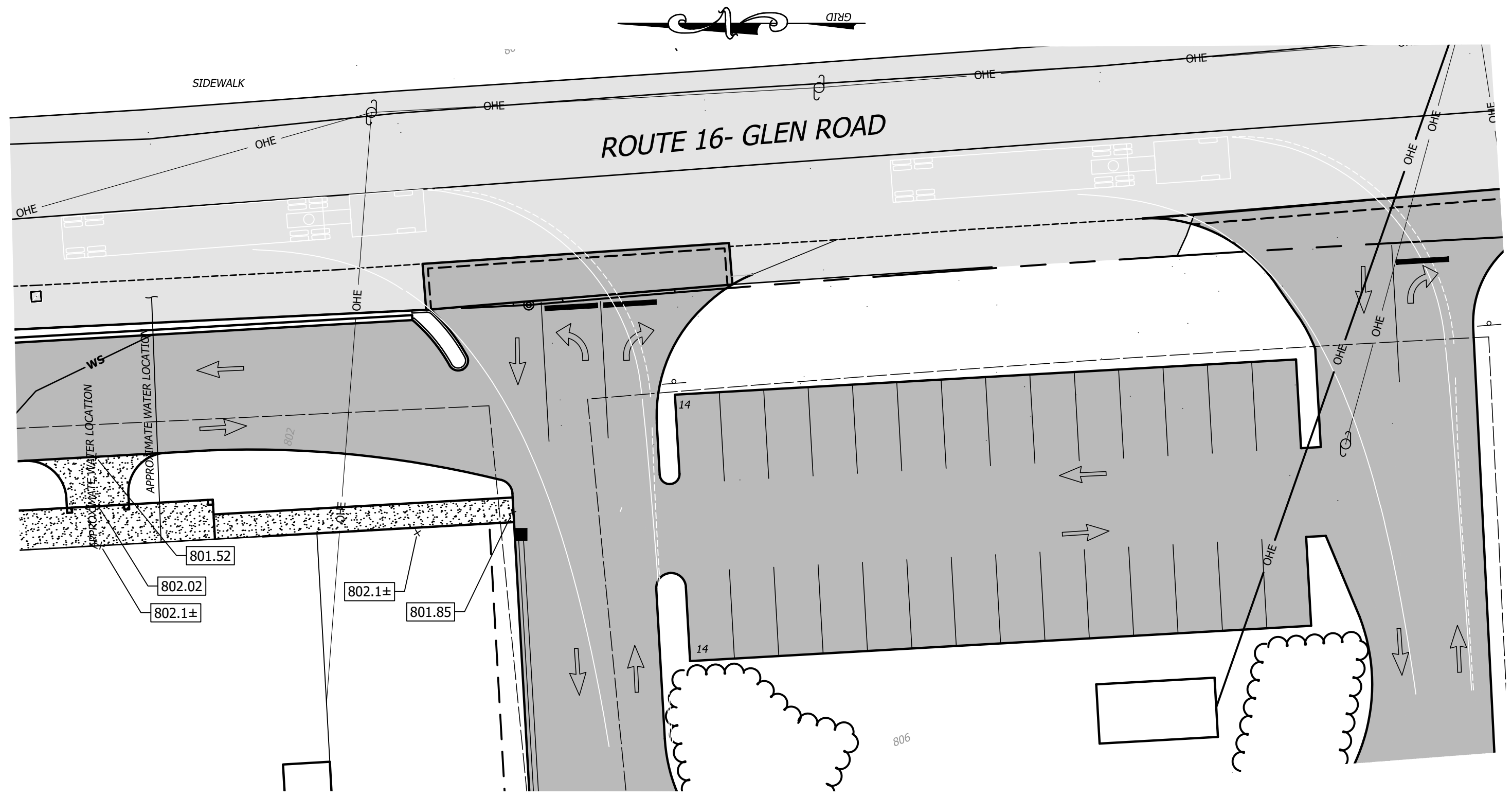
PROPOSED SITE PLAN

NO.	DATE	REVISION DESCRIPTION	ENG	DWG

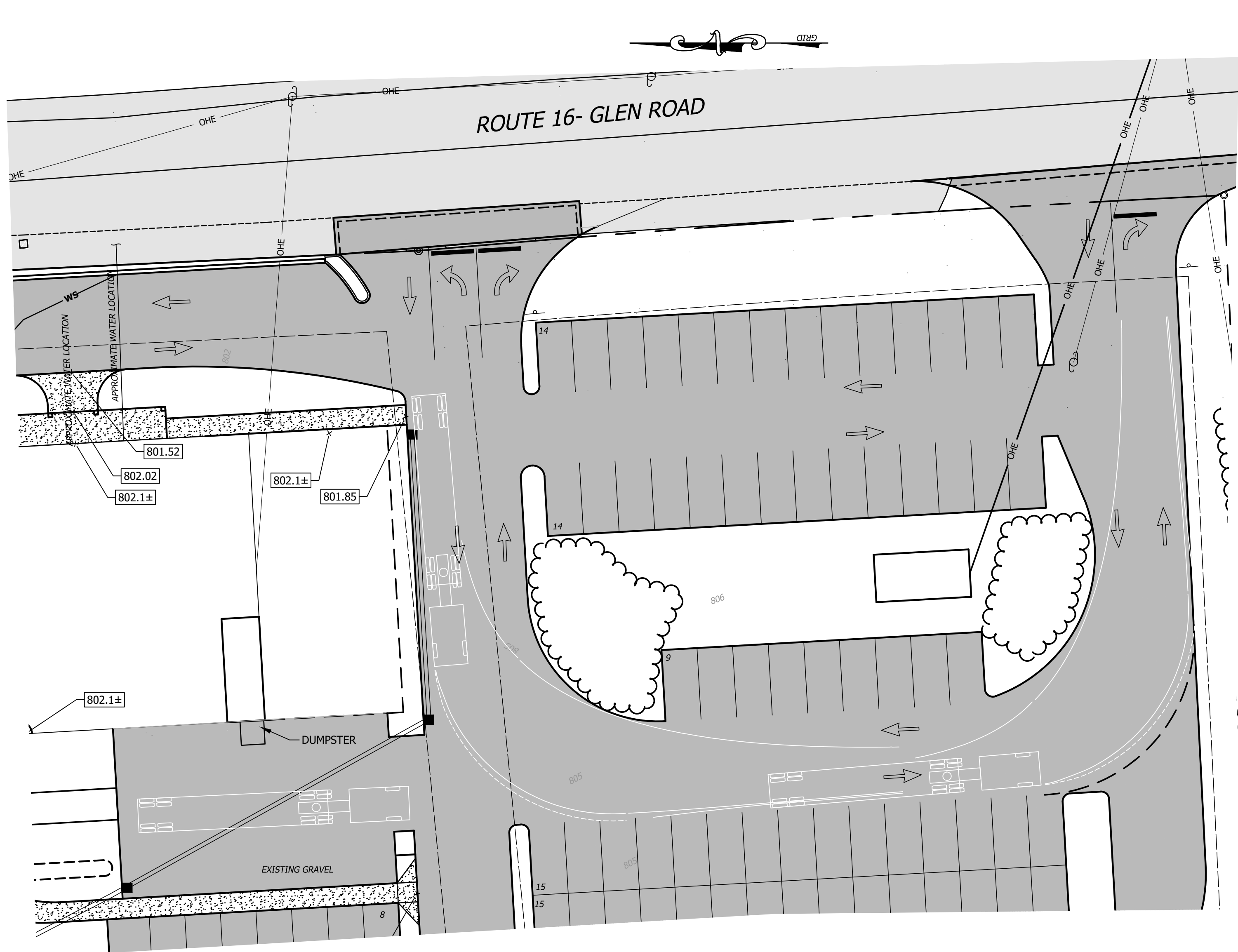
DATE:	PROJECT #:
JULY 2021	21047
ENGINE'D BY:	DRAWN BY:
DEB	DEB
CHECK'D BY:	ARCHIVE #:
CFC	H-5671
SHEET NO.	C2.1

© 2021 horizons Engineering
 All rights reserved

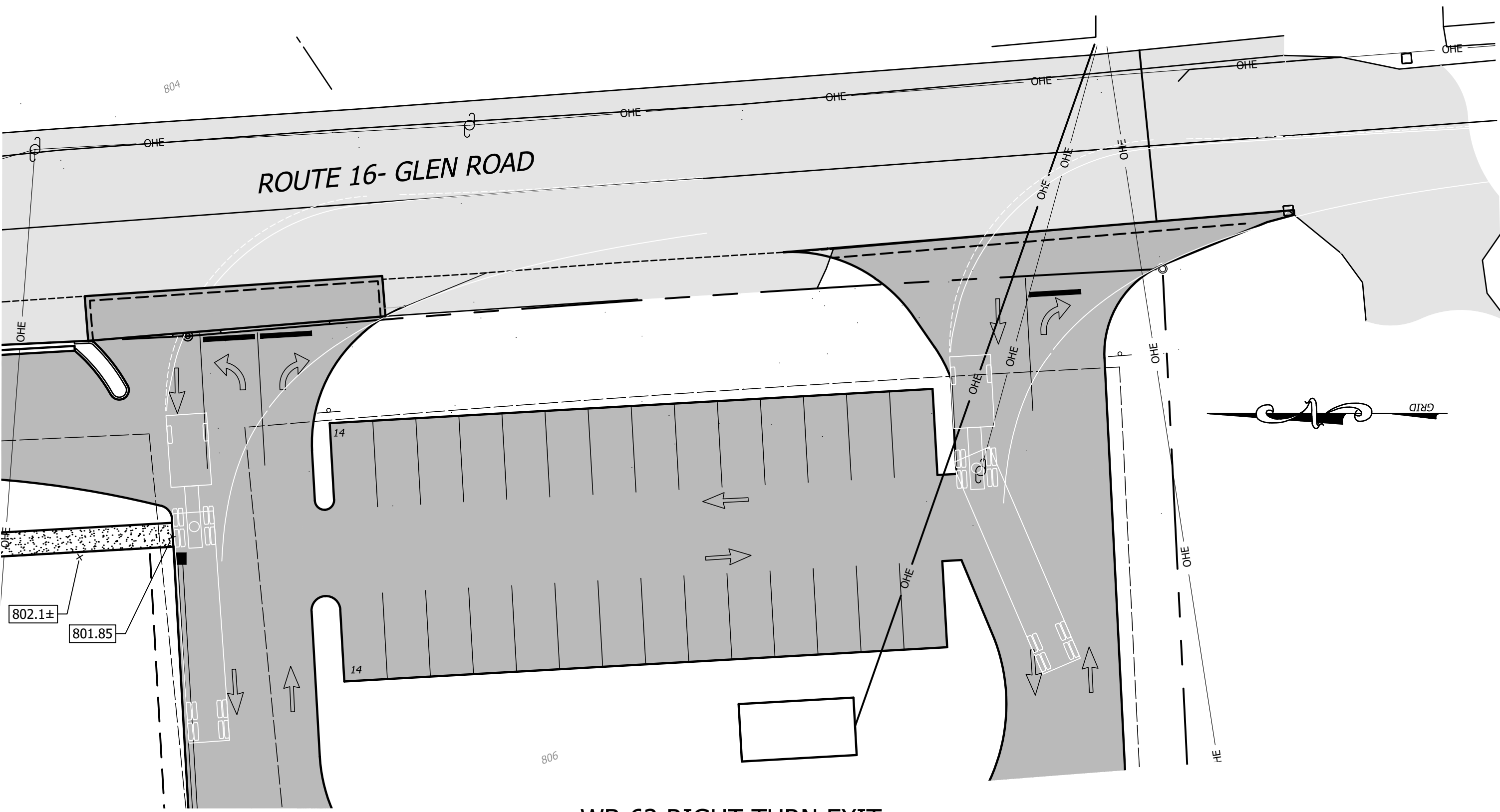
I:\192.168.50.34\ltp\proj_2021\21047 Glen Rd - Hunter Drive Permit-Gorham\DWGS\Final\21047 GlenRd_Site03.dwg, C2_1_7/2/2021 2:43:13 PM, DBouchard



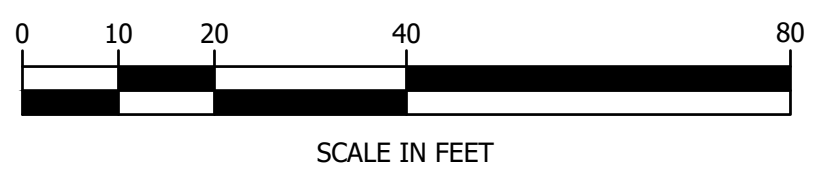
WB-62 RIGHT TURN ENTERING



WB-62 ON-SITE LEFT TURNS



WB-62 RIGHT TURN EXIT



**FOR REVIEW
NOT FOR CONSTRUCTION**

DATE OF PRINT
JULY 02 2021
HORIZONS ENGINEERING

© 2021
horizons
Engineering
All rights reserved

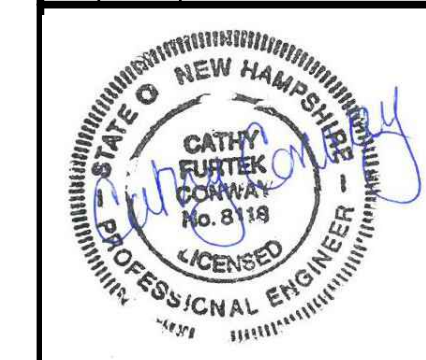
horizons
Engineering
NEWPORT VT • LITTLETON NH • NEW LONDON NH
POMFRET VT • KENNEBUNK ME • CONWAY NH

20 GLEN ROAD, LLC

SITE DESIGN
MAP U3 LOT 65
GORHAM, NEW HAMPSHIRE

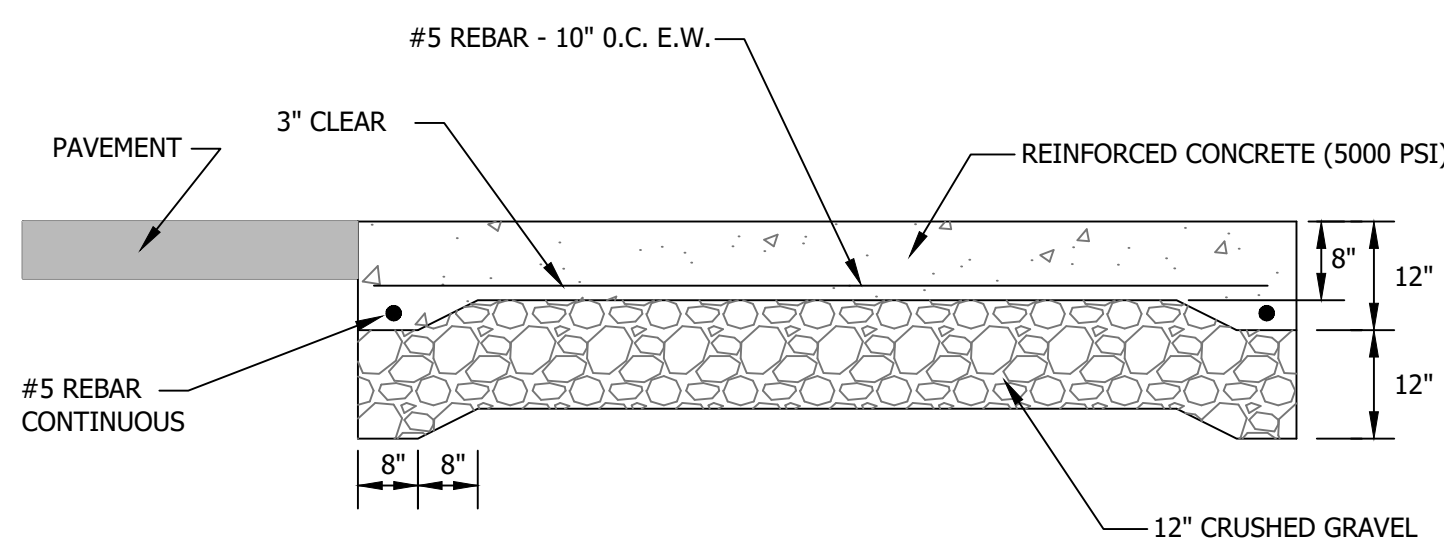
WB-62 TURN TEMPLATES

NO.	DATE	REVISION DESCRIPTION	ENG	DWG



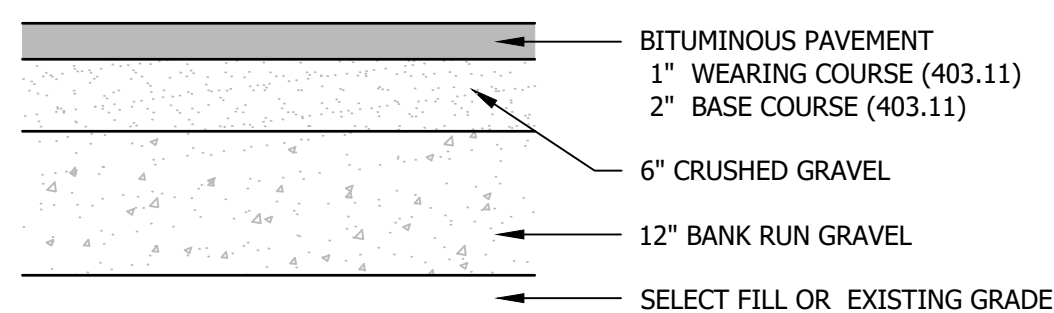
DATE: JULY 2021	PROJECT #: 21047
ENGIN'D BY: DEB	DRAWN BY: DEB
CHECK'D BY: CFC	ARCHIVE #: H-5671
SHEET NO. C2.2	

\\192.168.50.3\l\proj_2021\21047 Glen Rd - Hunter Drive Permit_Gorham\DWGS\Final\21047 Glen Rd - Hunter Drive Permit_Site.dwg, C2_2_EX_7/2/2021 2:43:23 PM, DBouchard



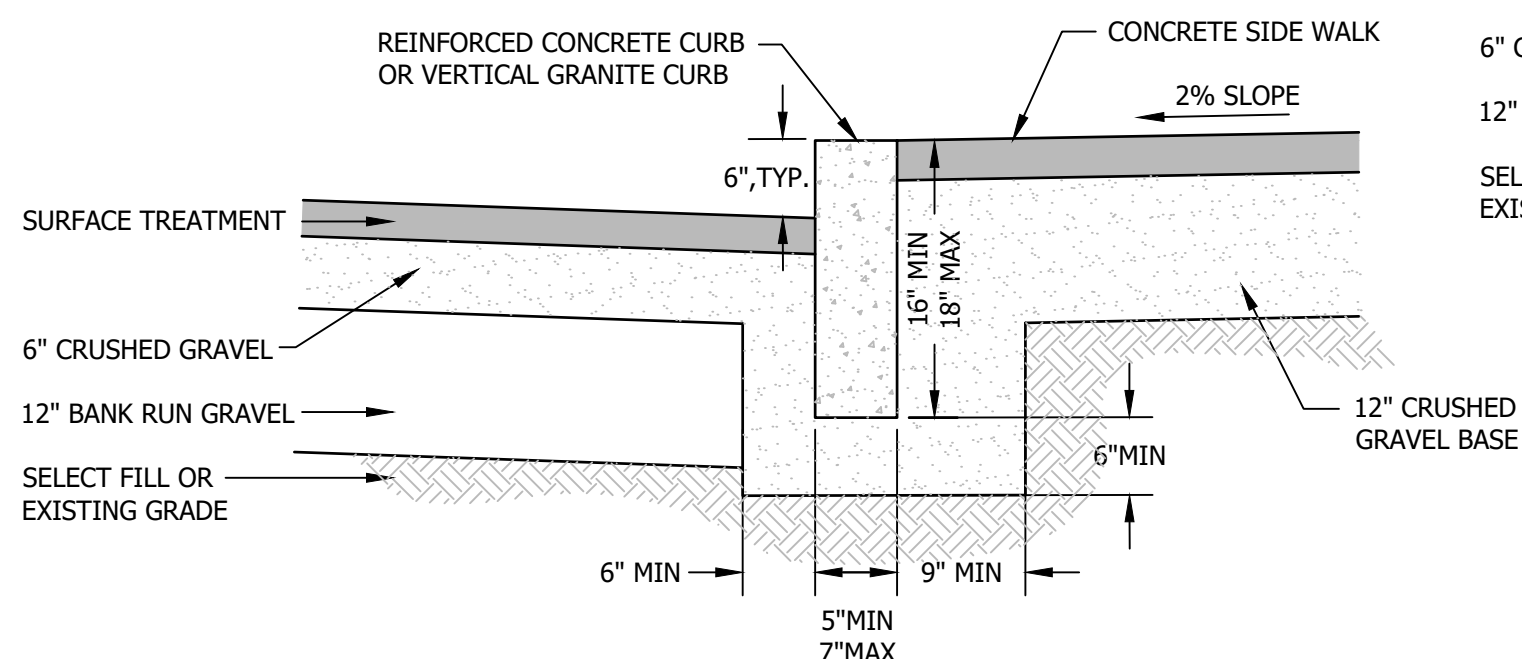
DUMPSTER PAD DETAIL

NOT TO SCALE



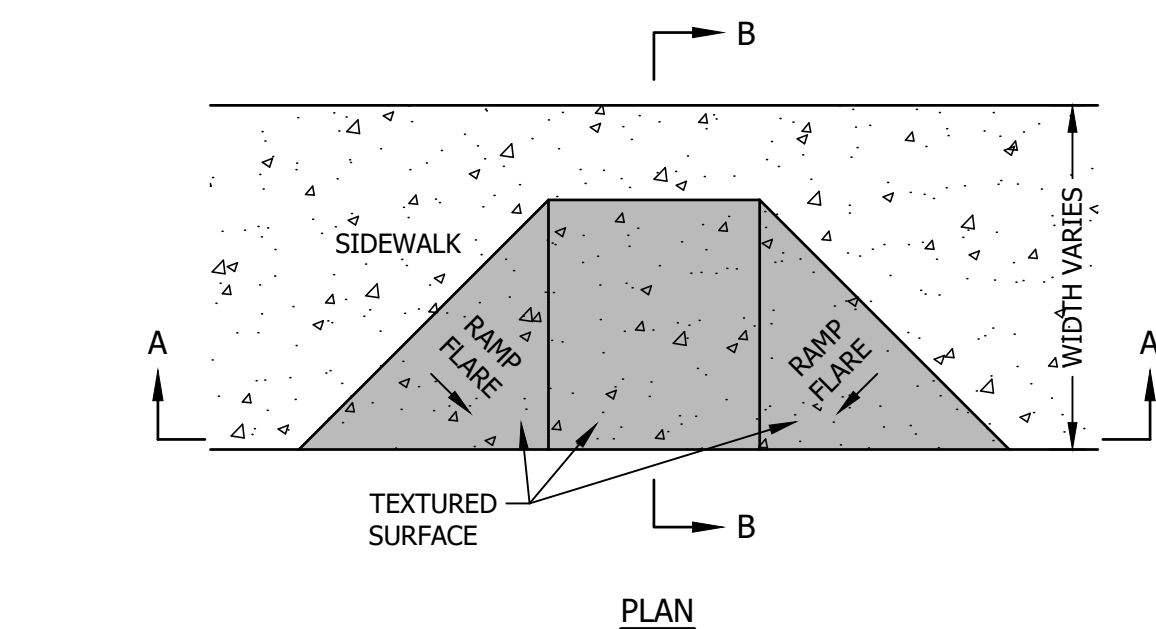
TYPICAL PAVEMENT SECTION

NOT TO SCALE

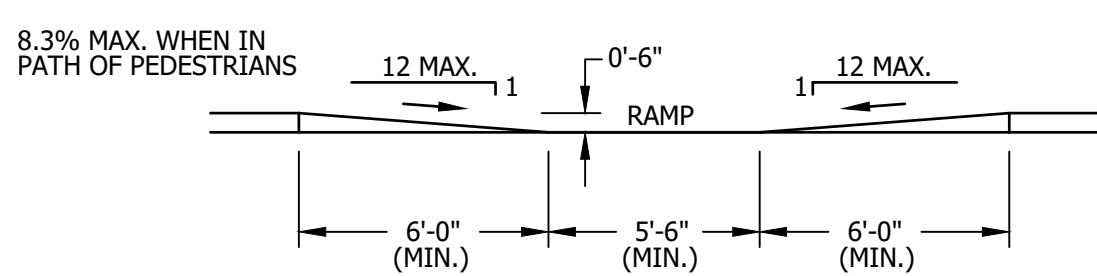


CONCRETE SIDEWALK WITH VERTICAL CURB DETAIL

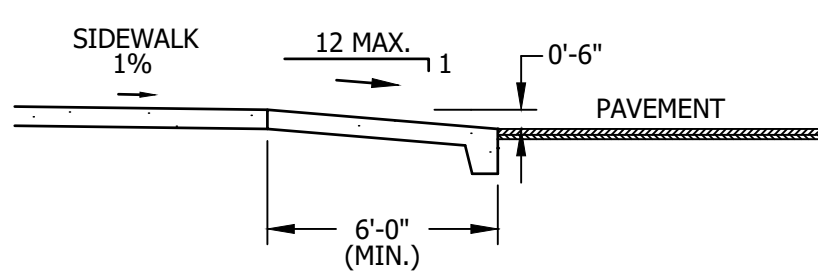
NOT TO SCALE



PLAN



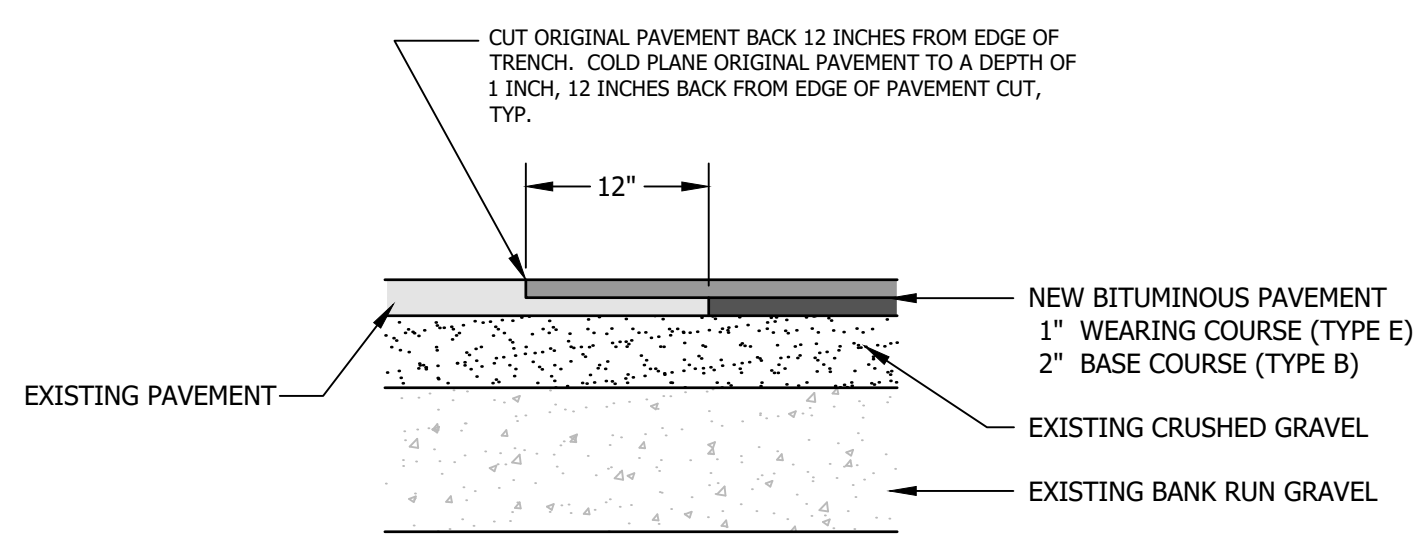
SECTION A - A



SECTION B - B

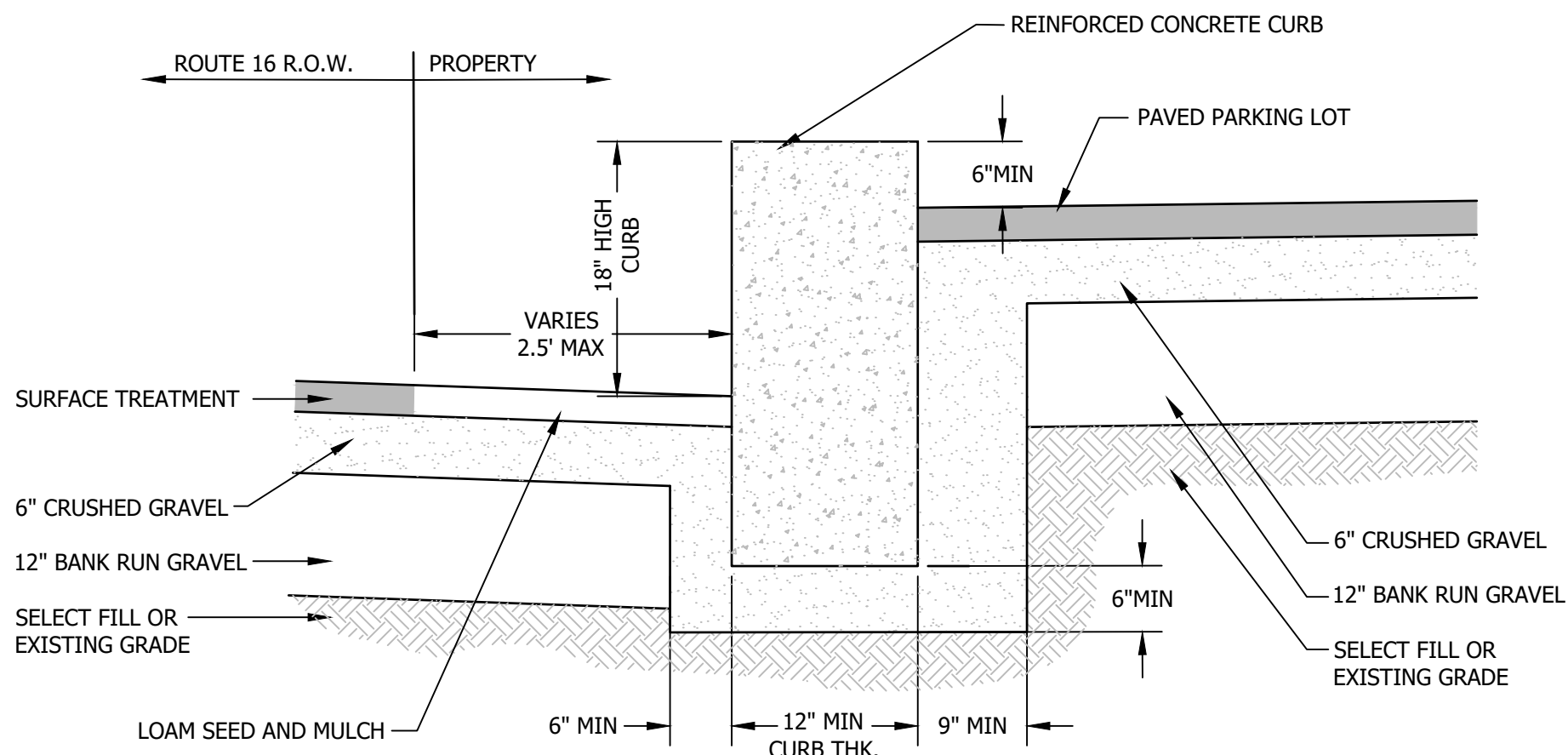
SIDEWALK RAMP DETAIL

NOT TO SCALE



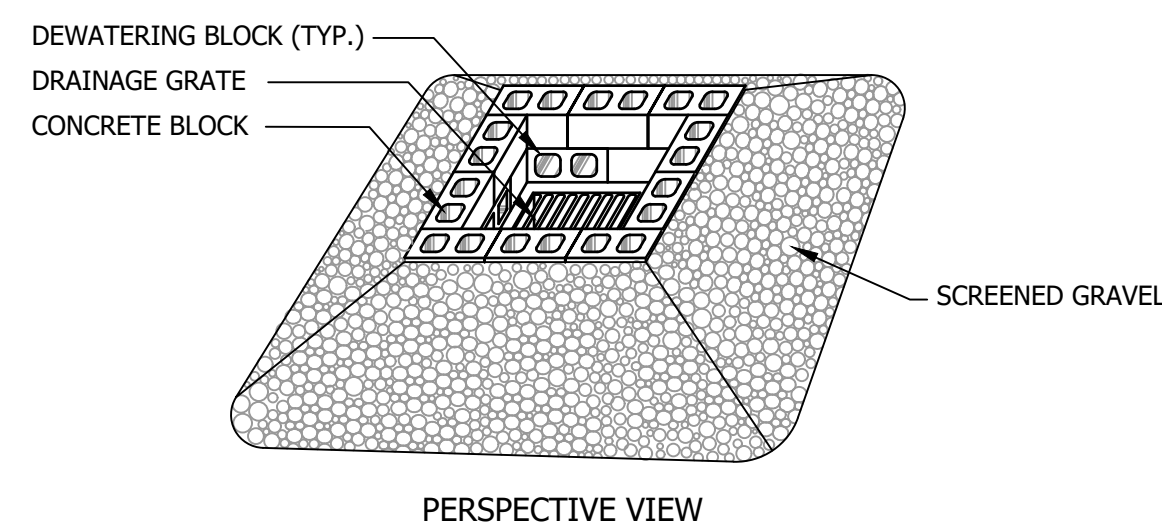
TYPICAL CUT PAVEMENT SECTION

NOT TO SCALE

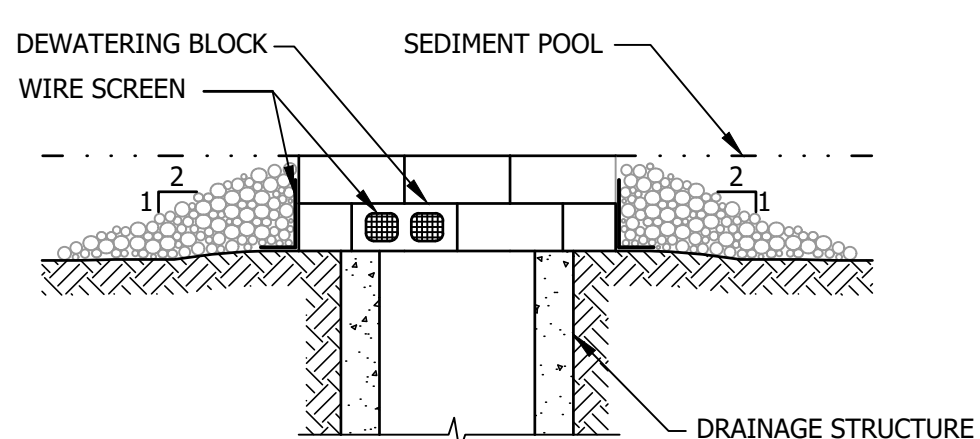


CONCRETE CURB DETAIL

NOT TO SCALE



PERSPECTIVE VIEW



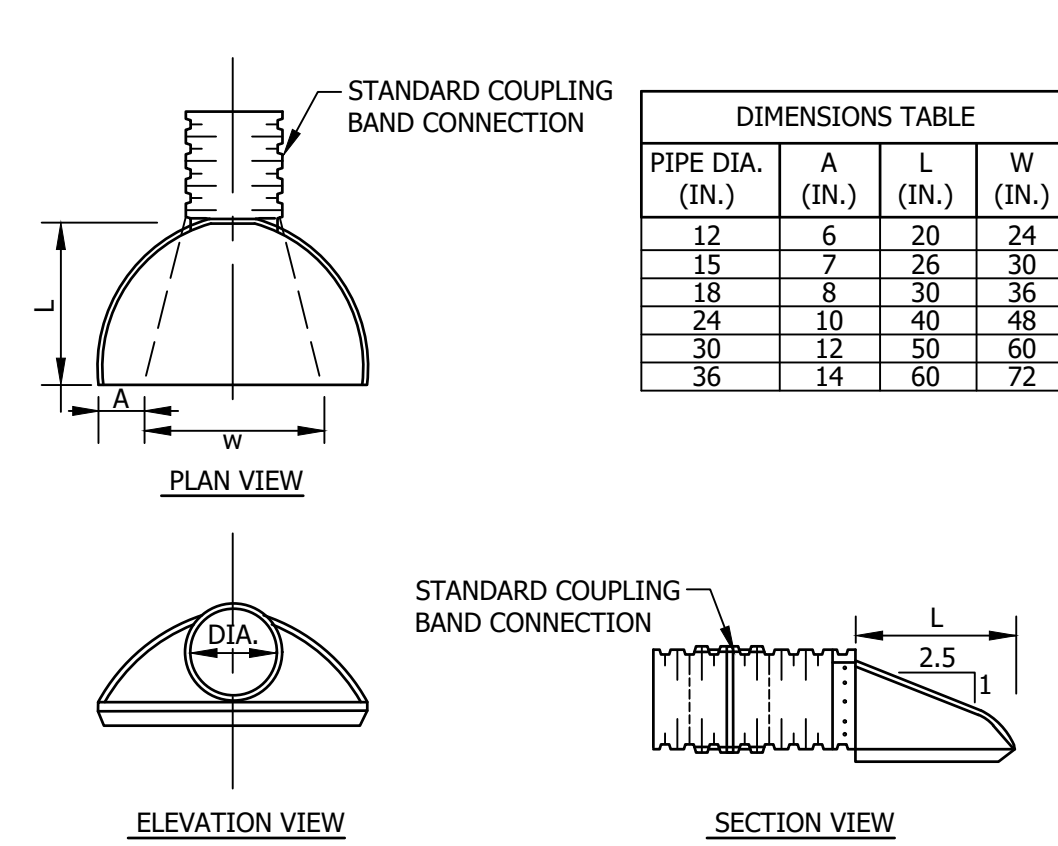
SECTION

MATERIALS SPECIFICATIONS:

1. CONCRETE BLOCKS: HOLLOW LOAD BEARING CONCRETE MASONRY UNITS, 8" x 8" x 16" DIMENSION.
2. WIRE SCREEN: HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH 1/2" OPENINGS.
3. SCREENED GRAVEL: UNIFORMLY GRADED 3/8" TO 1-1/2" DIA. STONE.
1. INSTALL BLOCK AND GRAVEL INLET PROTECTION WHERE INDICATED OR WARRANTED.
2. EXCAVATE FOUNDATION 2" BELOW RIM OF STORM DRAIN.
3. PLACE BOTTOM ROW OF BLOCKS AGAINST EDGE OF STORM DRAIN WITH ONE BLOCK ON EACH SIDE OF THE ROW BEING LAID ON ITS SIDE. PLACE TOP ROW OF BLOCKS.
4. INSTALL WIRE SCREEN OVER ALL DEWATERING BLOCKS.
5. PLACE SCREENED GRAVEL AROUND EXTERIOR OF BLOCK BARRIER TO 1" BELOW THE TOP OF THE BLOCKS.

CATCH BASIN INLET PROTECTION DETAIL

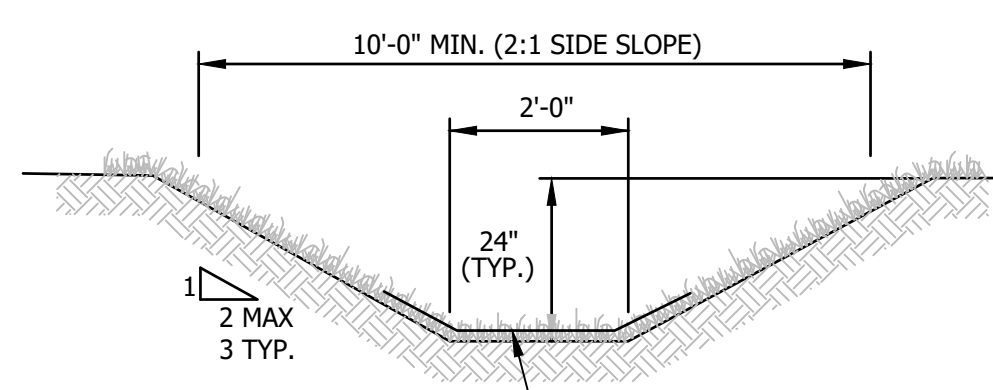
NO SCALE



FLARED END SECTION DETAIL

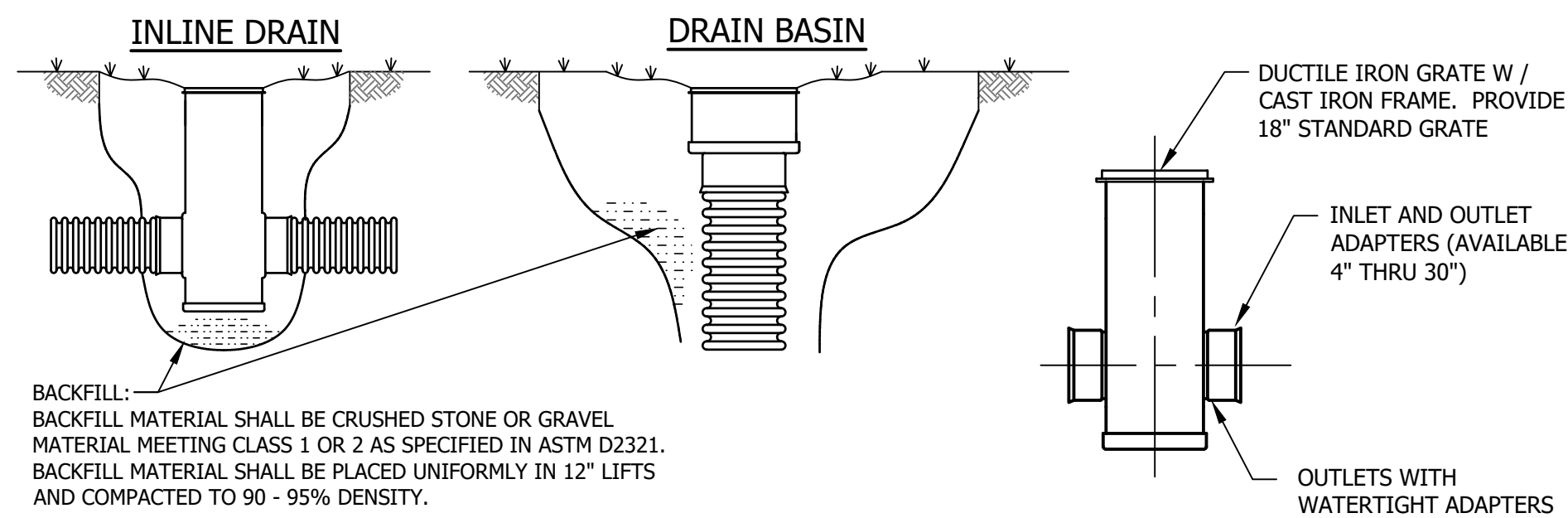
NO SCALE

PIPE DIA. (IN.)	A (IN.)	L (IN.)	W (IN.)
12	6	20	24
15	7	26	30
18	8	30	36
24	10	40	48
30	12	50	60
36	14	60	72



GRASS LINED DITCH DETAIL

NOT TO SCALE

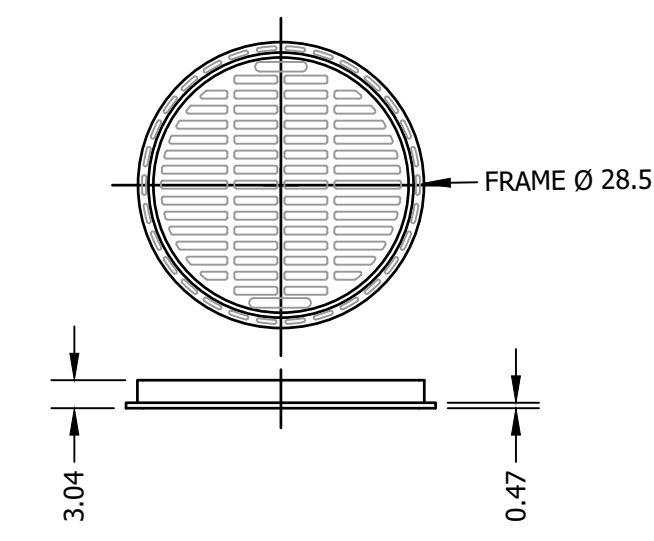


TRENCH DETAILS

18" DRAIN BASIN

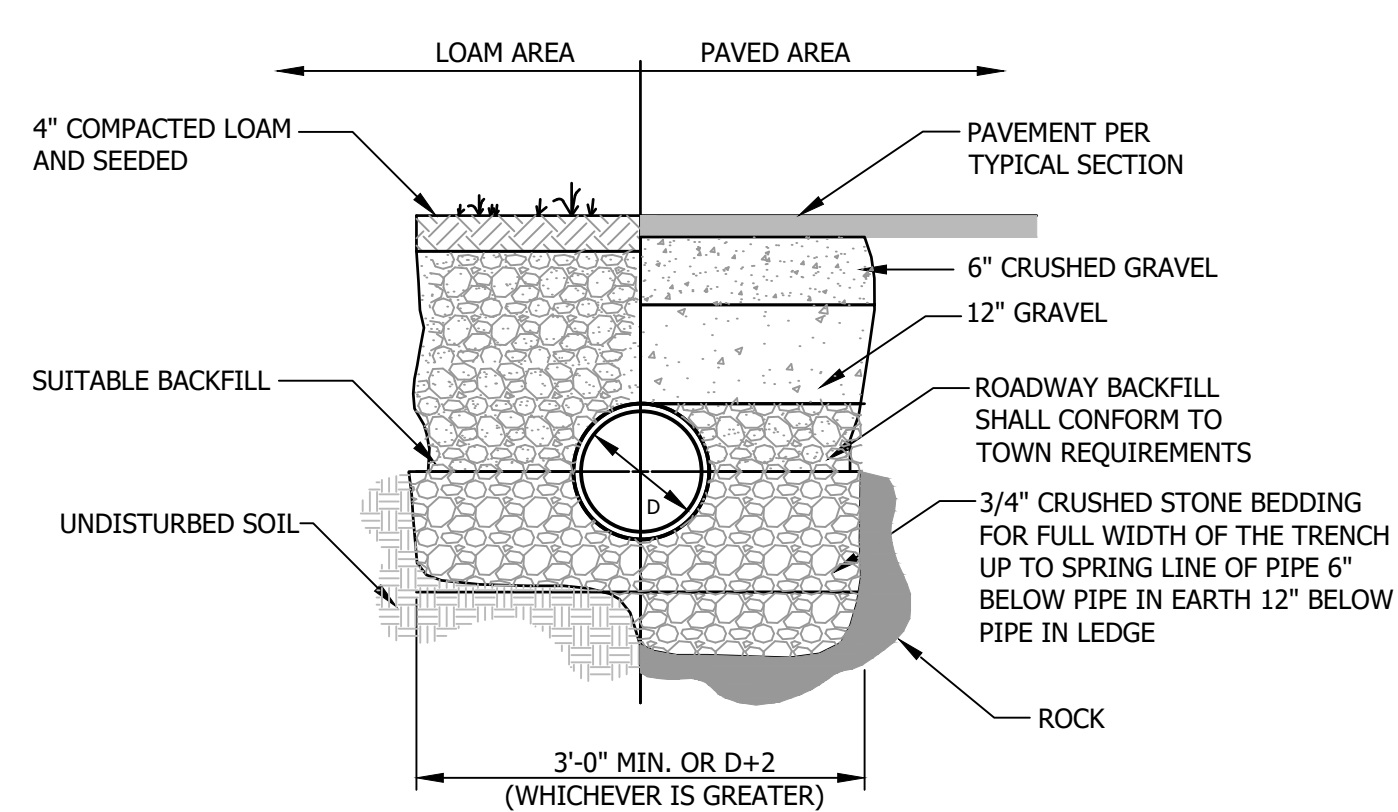
GRATE SPECS:
 QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05
 MATERIAL: DUCTILE IRON FRAME & GRATE
 PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT
 LOCKING DEVICE AVAILABLE UPON REQUEST

Nyloplast
 3130 VERONA AVE
 BUFORD, GA 30518
 PHN (770) 932-2443
 FAX (770) 932-2490



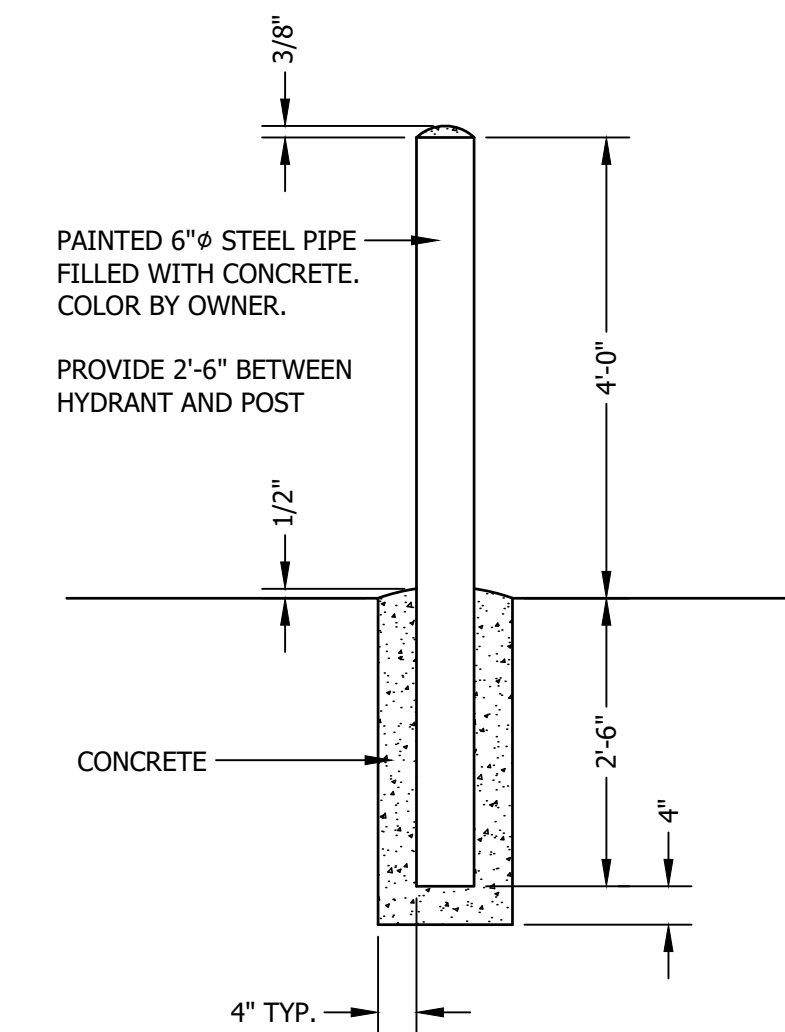
18" STANDARD GRATE

NYLOPLAST® YARD DRAIN



TYPICAL CULVERT TRENCH DETAIL

NOT TO SCALE



CONCRETE FILLED BOLLARD DETAIL

NOT TO SCALE

horizons Engineering
 NEWPORT VT • LITTLETON NH • NEW LONDON NH
 POMFRET VT • KENNEBUNK ME • CONWAY NH

20 GLEN ROAD, LLC

SITE DESIGN
 MAP U3 LOT 64 & 65
 GORHAM, NEW HAMPSHIRE

MISCELLANEOUS DETAILS

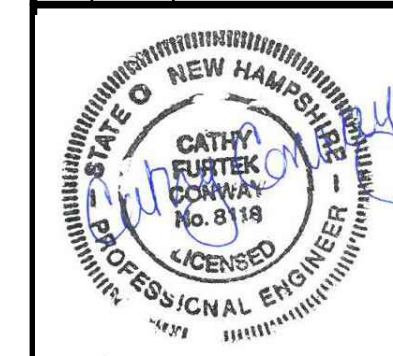
NO.	DATE	REVISION DESCRIPTION	ENG	DWG

DATE: JULY 2021
PROJECT #: 21047
ENGINE'D BY: DEB
DRAWN BY: DEB
CHECK'D BY: CFC
ARCHIVE #: H-5671
SHEET NO.: C3.1

FOR REVIEW
NOT FOR CONSTRUCTION

DATE OF PRINT: JULY 02 2021
HORIZONS ENGINEERING

© 2021
horizons Engineering
 All rights reserved



\\192.168.50.3\ltp\proj_2021\21047\Glen Rd - Hunter Drive Permit-Gorham\DWG\Final\21047 Glen Rd - Hunter Drive Permit-Gorham.dwg, C3_1_7/2/2021 2:43:45 PM, DBouchard

SEEDING RECOMMENDATIONS

- GRADING AND SHAPING**
A. SLOPES SHALL NOT BE STEEPER THAN 2:1; 3:1 SLOPES OR FLATTER ARE PREFERRED. WHERE MOWING WILL BE DONE, 3:1 SLOPES OR FLATTER ARE RECOMMENDED.
- SEEDBED PREPARATION**
A. SURFACE AND SEEPAGE WATER SHOULD BE DRAINED OR DIVERTED FROM THE SITE TO PREVENT DROWNING OR WINTER KILLING OF THE PLANTS.
B. STONES LARGER THAN 4 INCHES AND TRASH SHOULD BE REMOVED BECAUSE THEY INTERFERE WITH SEEDING AND FUTURE MAINTENANCE OF THE AREA. WHERE FEASIBLE, THE SOIL SHOULD BE AMENDED WITH ORGANIC MATTER AND TILLED TO A DEPTH OF ABOUT 4 INCHES TO PREPARE A SEEDBED AND MIX FERTILIZER AND LIME THOROUGHLY INTO THE SOIL. THE SEEDBED SHOULD BE LEFT IN A REASONABLY FIRM AND SMOOTH CONDITION. THE LAST TILLAGE OPERATION SHOULD BE PERFORMED ACROSS THE SLOPE WHEREVER PRACTICAL.
- ESTABLISHING VEGETATION**
A. LIME AND FERTILIZER SHOULD BE APPLIED PRIOR TO OR AT THE TIME OF SEEDING AND INCORPORATED INTO THE SOIL. KINDS AND AMOUNTS OF LIME AND FERTILIZER SHOULD BE BASED ON AN EVALUATION OF SOIL TESTS. WHEN A SOIL TEST IS NOT AVAILABLE, THE FOLLOWING MINIMUM AMOUNTS SHOULD BE APPLIED:
-AGRICULTURAL LIMESTONE, 2 TONS PER ACRE OR 100 LBS. PER 1,000 SQ. FT.
-NITROGEN (N), 50 LBS., PER ACRE OR 1.1 LBS. PER 1,000 SQ. FT.
-PHOSPHATE (P₂O₅), 100 LBS. PER ACRE OR 2.2 LBS. PER 1,000 SQ. FT.
-POTASH (K₂O), 100 LBS. PER ACRE OR 2.2 LBS. PER 1,000 SQ. FT.

(NOTE: THIS IS THE EQUIVALENT OF 500 LBS. PER ACRE OF 10-20-20 FERTILIZER OR 1,000 LBS. PER ACRE OF 5-10-10).

- B. SEED SHOULD BE SPREAD UNIFORMLY BY THE METHOD MOST APPROPRIATE FOR THE SITE. METHODS INCLUDE BROADCASTING, DRILLING, AND HYDROSEEDING. WHERE BROADCASTING IS USED, COVER SEED WITH .25 INCH OF SOIL OR LESS, BY CULTIPACKING OR RAKING.

USE	SEEDING MIXTURE (SEE 3D)	SOIL TYPE			
		DROUGHTY	WELL DRAINED	MOD. WELL DRAINED	POORLY DRAINED
STEEP CUTS AND FILLS, BORROW AND DISPOSAL AREAS	A	FAIR	GOOD	GOOD	FAIR
	B	POOR	GOOD	FAIR	FAIR
	C	FAIR	EXCELLENT	EXCELLENT	POOR
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	A	GOOD	GOOD	GOOD	FAIR
	B	GOOD	GOOD	GOOD	FAIR
LIGHTLY USED PARKING LOTS, ODD AREAS, UNUSED LANDS, AND LOW INTENSITY USE RECREATION SITES	A	GOOD	GOOD	GOOD	FAIR
	B	GOOD	GOOD	FAIR	POOR

MIXTURE	SEEDING RATES:	
	POUNDS PER ACRE	POUNDS PER 1,000 SQ. FT.
A TALL FESCUE CREEPING RED FESCUE REDTOP	20 20 2	0.45 0.45 0.05
TOTAL:	42	0.95
B TALL FESCUE CREEPING RED FESCUE CROWN VETCH OR FLATPEA	15 10 15 OR 30	0.35 0.25 0.35 OR 0.75
TOTAL:	40 OR 55	0.95 OR 1.35
C TALL FESCUE FLATPEA	20 30	0.45 0.75
TOTAL:	50	1.20

- E. WHEN SEEDING AREAS ARE MULCHED, PLANTINGS MAY BE MADE FROM EARLY SPRING TO SEPTEMBER 15. WHEN SEEDING AREAS ARE NOT MULCHED, PLANTINGS SHOULD BE MADE FROM EARLY SPRING TO MAY 20 OR FROM AUGUST 10 TO SEPTEMBER 1.

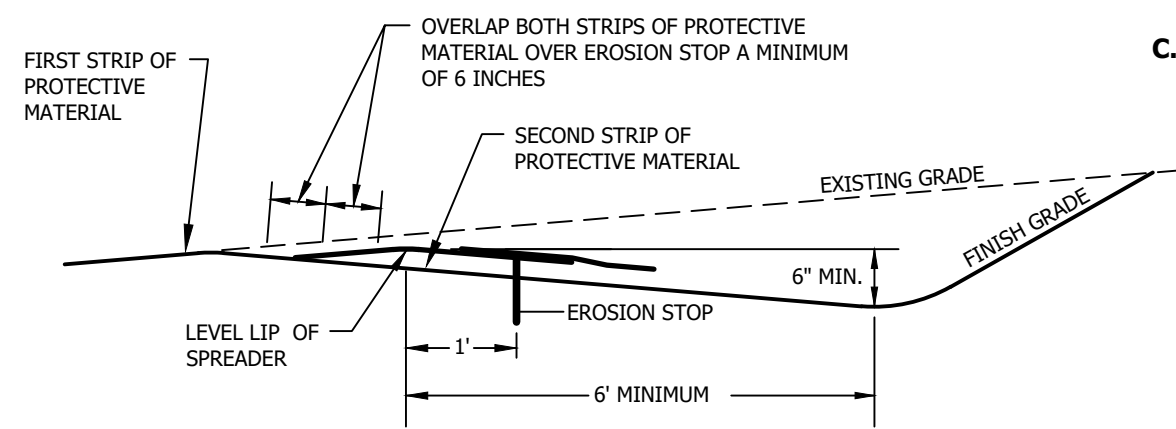
F. TEMPORARY SEEDING RATES:

SPECIES	POUNDS PER ACRE	POUNDS PER 1,000 SQ. FT.	REMARKS
WINTER RYE	112	2.5	BEST FOR FALL SEEDING. SEED FROM AUGUST TO SEPTEMBER 5TH FOR BEST COVER. SEED TO A DEPTH OF 1 INCH.
OATS	80	2.0	BEST FOR SPRING SEEDING. SEED NO LATER THAN MAY 15TH FOR SUMMER PROTECTION. SEED TO A DEPTH OF 1 INCH.
ANNUAL RYEGRASS	40	1.0	GROWS QUICKLY, BUT IS OF SHORT DURATION. USE WHERE APPEARANCES ARE NOT IMPORTANT. SEED EARLY SPRING AND/OR BETWEEN AUGUST 15TH AND SEPTEMBER 15TH. COVER SEED WITH NO MORE THAN 0.25 INCH OF SOIL.
PERENNIAL RYEGRASS	30	0.7	GOOD COVER WHICH IS LONGER LASTING THAN ANNUAL RYEGRASS. SEED BETWEEN APRIL 1ST AND JUNE 1ST AND/OR BETWEEN AUGUST 15TH AND SEPTEMBER 15TH. MULCHING WILL ALLOW SEEDING THROUGHOUT THE GROWING SEASON. SEED TO A DEPTH OF APPROXIMATELY 0.5 INCH.

- MULCH**
A. HAY, STRAW, OR OTHER MULCH, WHEN NEEDED, SHOULD BE APPLIED IMMEDIATELY AFTER SEEDING.
B. MULCH WILL BE HELD IN PLACE USING APPROPRIATE TECHNIQUES FROM THE BEST MANAGEMENT PRACTICE FOR MULCHING.
- MAINTENANCE TO ESTABLISH A STAND**
A. PLANTED AREAS SHOULD BE PROTECTED FROM DAMAGE BY FIRE, GRAZING, TRAFFIC, AND DENSE WEED GROWTH.
B. FERTILIZATION NEEDS SHOULD BE DETERMINED BY ON SITE INSPECTIONS. SUPPLEMENTAL FERTILIZER IS USUALLY THE KEY TO FULLY COMPLETE THE ESTABLISHMENT OF THE STAND BECAUSE MOST PERENNIALS TAKE 2 TO 3 YEARS TO BECOME ESTABLISHED.
C. IN WATERWAYS, CHANNELS, OR SWALES WHERE UNIFORM FLOW CONDITIONS ARE ANTICIPATED, OCCASIONAL MOWING MAY BE NECESSARY TO CONTROL GROWTH OF WOODY VEGETATION.

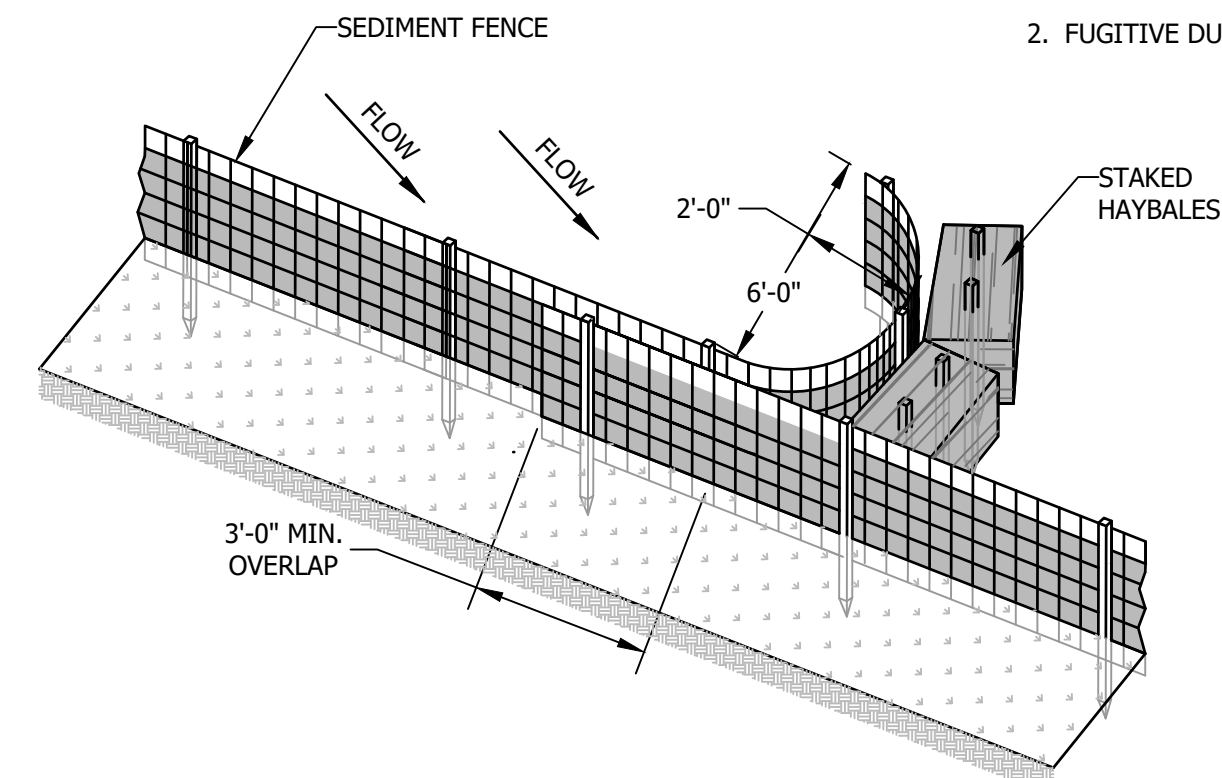
LEVEL LIP SPREADER INSTALLATION

- CONSTRUCT THE LEVEL SPREADER LIP ON A ZERO PERCENT GRADE TO INSURE UNIFORM SPREADING OF RUNOFF.
- LEVEL SPREADER SHALL BE CONSTRUCTED ON UNDISTURBED SOIL AND NOT ON FILL.
- AN EROSION STOP SHALL BE PLACED VERTICALLY A MINIMUM OF SIX INCHES DEEP IN A SLIT TRENCH ONE FOOT BACK OF THE LEVEL LIP AND PARALLEL TO THE LIP. THE EROSION STOP SHALL EXTEND THE ENTIRE LENGTH OF THE LEVEL LIP.
- THE ENTIRE LEVEL LIP AREA SHALL BE PROTECTED BY PLACING TWO STRIPS OF JUTE OR EXCELSIOR MATTING ALONG THE LIP. EACH STRIP SHALL OVERLAP THE EROSION STOP BY AT LEAST SIX INCHES.
- THE ENTRANCE CHANNEL TO THE LEVEL SPREADER SHALL NOT EXCEED A 1 PERCENT GRADE FOR AT LEAST 50 FEET BEFORE ENTERING INTO THE SPREADER.
- THE FLOW FROM THE LEVEL SPREADER SHALL OUTLET ONTO STABILIZED AREAS. WATER SHOULD NOT RE-CONCENTRATE IMMEDIATELY BELOW THE SPREADER.
- PERIODIC INSPECTION AND REQUIRED MAINTENANCE SHALL BE PERFORMED.
- PROTECTIVE MATERIAL AND EROSION STOP SHALL BE NORTH AMERICAN GREEN C125 EROSION CONTROL BLANKET OR APPROVED EQUAL.



LEVEL SPREADER DETAIL

NO SCALE
SOURCE: ROCKINGHAM COUNTY CONSERVATION SERVICE

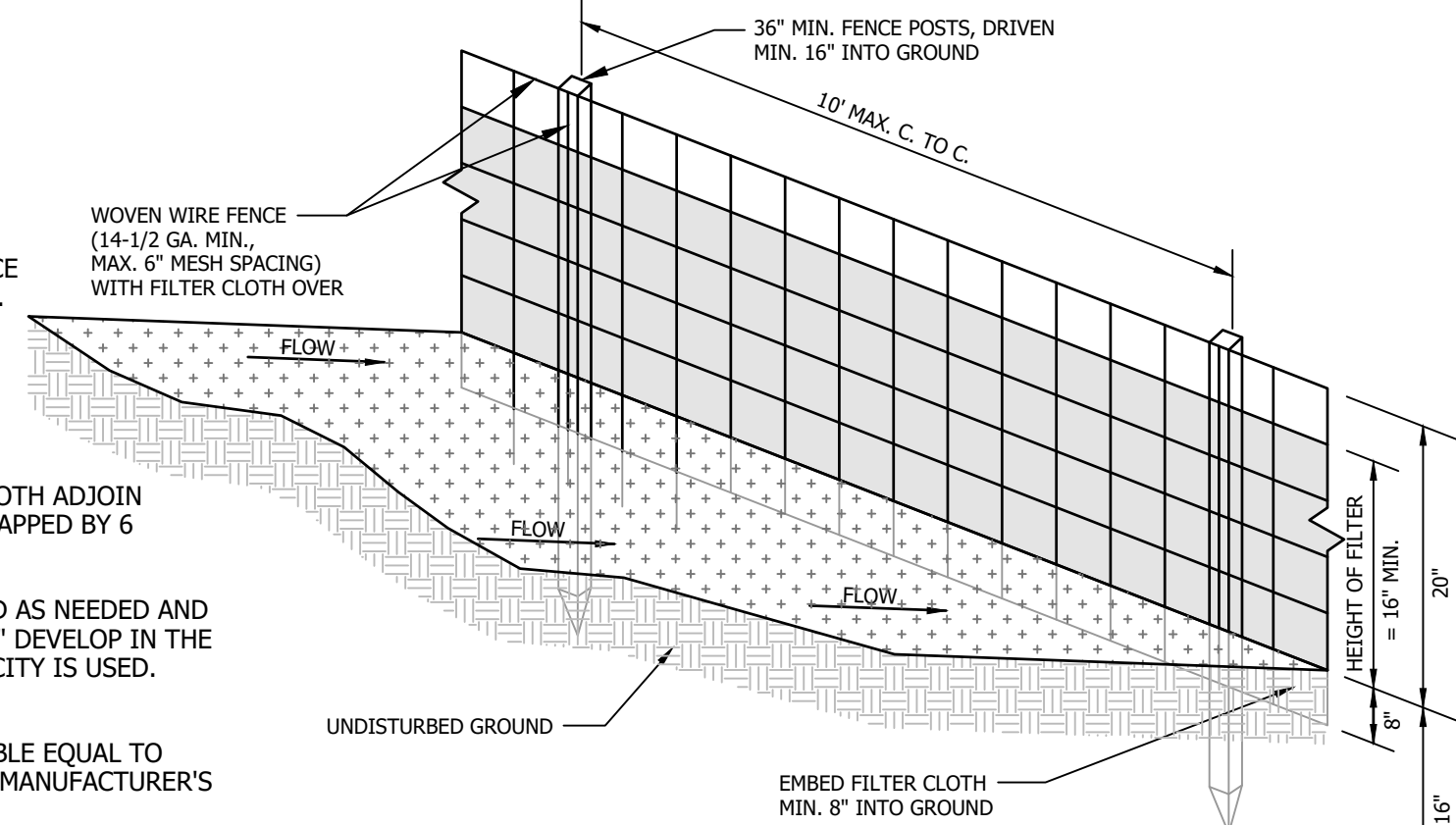


SEDIMENT FENCE POCKET

NO SCALE

CONSTRUCTION NOTES FOR SEDIMENT FENCE

- WOVEN WIRE FENCE, IF REQUIRED, TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP, MID SECTION, AND BOTTOM.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES, FOLDED AND STAPLED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SEDIMENT FENCE, OR 50% OF CAPACITY IS USED.
- 12" DIAMETER FILTREXX SILTSOXX SHALL BE CONSIDERED AN ACCEPTABLE EQUAL TO SEDIMENT FENCE IF INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.



SEDIMENT FENCE

NO SCALE

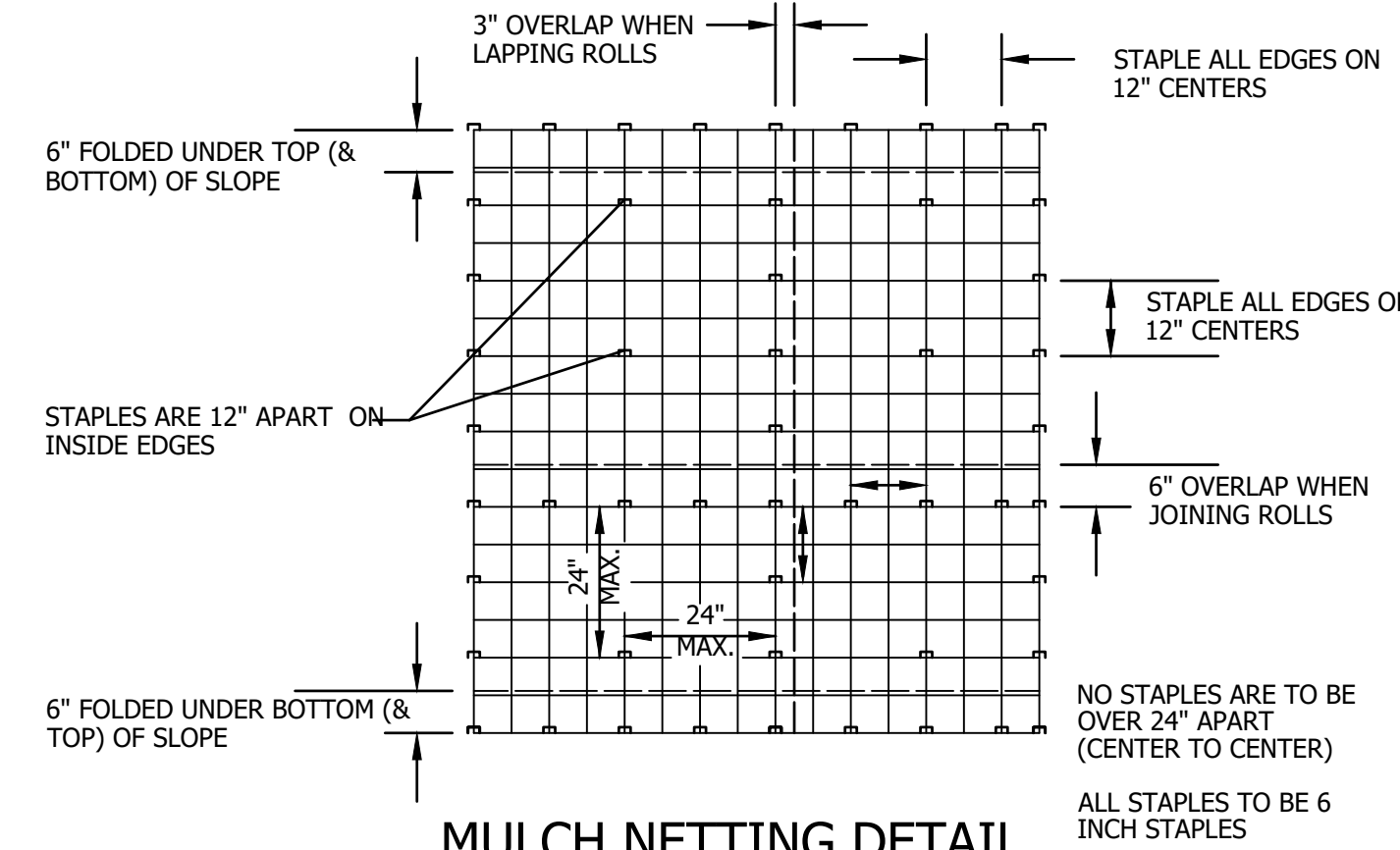
EROSION CONTROL GENERAL NOTES

- KEEP SITE MODIFICATION TO A MINIMUM**
1. CONSIDER FITTING THE BUILDINGS AND STREETS TO THE NATURAL TOPOGRAPHY. THIS REDUCES THE NEED FOR CUTS AND FILLS. AVOID EXTENSIVE GRADING THAT WOULD ALTER DRAINAGE PATTERNS OR CREATE VERY STEEP SLOPES.
2. EXPOSE AREAS OF BARE SOIL TO EROSION ELEMENTS FOR THE SHORTEST TIME POSSIBLE.
3. SAVE AND PROTECT DESIRABLE EXISTING VEGETATION WHERE POSSIBLE. ERECT BARRIERS TO PREVENT DAMAGE FROM CONSTRUCTION EQUIPMENT.
4. LIMIT THE GRADES OF SLOPES SO VEGETATION CAN BE EASILY ESTABLISHED AND MAINTAINED.
5. AVOID SUBSTANTIAL INCREASE IN RUNOFF LEAVING THE SITE.
- MINIMIZE POLLUTION OF WATER DURING CONSTRUCTION ACTIVITIES**
1. STOCKPILE TOPSOIL REMOVED FROM CONSTRUCTION AREA AND SPREAD OVER ANY DISTURBED AREAS PRIOR TO REVEGETATION. TOPSOIL STOCKPILES MUST BE PROTECTED FROM EROSION.
2. PROTECT BARE SOIL AREAS EXPOSED BY GRADING ACTIVITIES WITH TEMPORARY VEGETATION OR MULCHES.
3. USE SEDIMENT BASINS TO TRAP DEBRIS AND SEDIMENT WHICH WILL PREVENT THESE MATERIALS FROM MOVING OFF SITE.
4. USE DIVERSIONS TO DIRECT WATER AROUND THE CONSTRUCTION AREA AND AWAY FROM EROSION PRONE AREAS TO POINTS OF SAFE DISPOSAL.
5. USE TEMPORARY CULVERTS OR BRIDGES WHEN CROSSING STREAMS WITH EQUIPMENT.
6. PLACE CONSTRUCTION FACILITIES, MATERIALS, AND EQUIPMENT STORAGE AND MAINTENANCE AREAS AWAY FROM DRAINAGE WAYS.
- PROTECT AREA AFTER CONSTRUCTION.**
1. ESTABLISH GRASS OR OTHER SUITABLE VEGETATION ON ALL DISTURBED AREAS. SELECT SPECIES ADAPTED TO THE SITE CONDITIONS AND THE FUTURE USE OF THE AREA. FINAL GRADES SHALL BE SEEDING WITHIN 72 HOURS. STABILIZATION SHALL BE DEFINED AS 85% VEGETATIVE COVER.
2. MAINTAIN VEGETATED AREAS USING PROPER VEGETATIVE 'BEST MANAGEMENT PRACTICES' DURING THE CONSTRUCTION PERIOD.
3. MAINTAIN NEEDED STRUCTURAL 'BEST MANAGEMENT PRACTICES' AND REMOVE SEDIMENT FROM DETENTION PONDS AND SEDIMENT BASINS AS NEEDED.
4. DETERMINE RESPONSIBILITY FOR LONG TERM MAINTENANCE OF PERMANENT 'BEST MANAGEMENT PRACTICES'.
5. IF CONSTRUCTION IS ANTICIPATED DURING WINTER MONTHS, REFER TO 'COLD WEATHER SITE STABILIZATION REQUIREMENTS'.
- INVASIVE SPECIES AND FUGITIVE DUST**
1. THE PROJECT SHALL NOT CONTRIBUTE TO THE SPREAD OF INVASIVE SPECIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EVALUATE WORK AREAS FOR THE PRESENCE OF INVASIVE SPECIES, AND IF FOUND SHALL TAKE NECESSARY MEASURES TO PREVENT THEIR SPREAD IN ACCORDANCE WITH RSA 430:51-57 AND AGR 3800. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PREVENT THE INTRODUCTION OF INVASIVE SPECIES BY INSPECTING AND CLEANING ALL EQUIPMENT ARRIVING ON SITE.
2. FUGITIVE DUST SHALL BE CONTROLLED IN ACCORDANCE WITH ENV-A 1000.

COLD WEATHER SITE STABILIZATION REQUIREMENTS

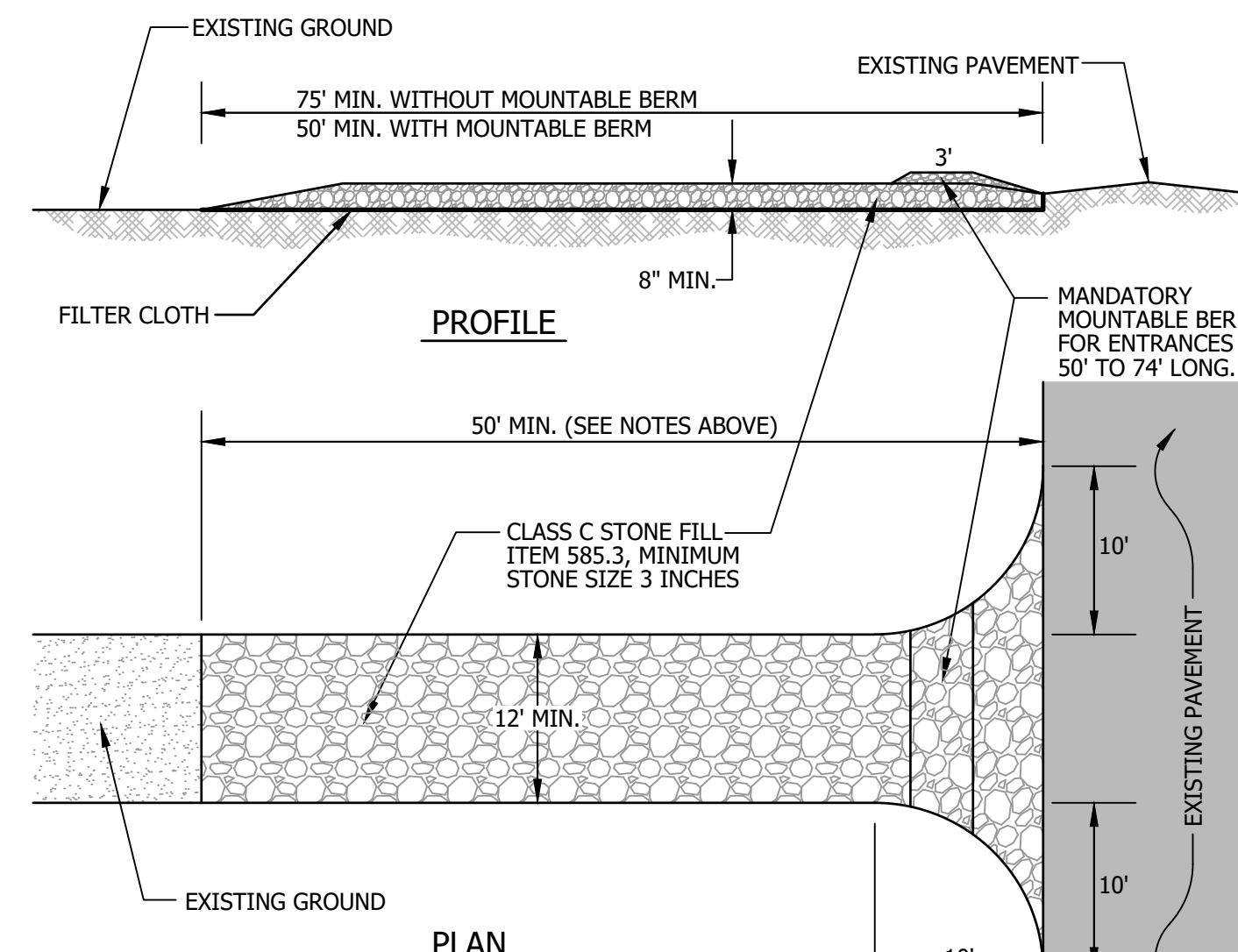
TO ADEQUATELY PROTECT WATER QUALITY DURING COLD WEATHER AND DURING SPRING RUNOFF, THE FOLLOWING ADDITIONAL STABILIZATION TECHNIQUES SHALL BE EMPLOYED DURING THE PERIOD FROM OCTOBER 15 THROUGH MAY 1:

- THE AREA OF EXPOSED, UNSTABILIZED SOIL SHALL BE LIMITED TO 1 ACRE AND SHALL BE PROTECTED AGAINST EROSION BY THE METHODS DESCRIBED IN THIS SECTION PRIOR TO ANY THAW OR SPRING MELT EVENT. THE ALLOWABLE AREA OF EXPOSED SOIL MAY BE INCREASED IF A WINTER CONSTRUCTION PLAN, DEVELOPED BY A QUALIFIED ENGINEER OR A CPESC SPECIALIST, IS REVIEWED AND APPROVED BY NHDES.
- ALL PROPOSED VEGETATED AREAS HAVING A SLOPE OF LESS THAN 15% WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE SEEDING AND COVERED WITH 3 TO 4 TONS OF HAY OR STRAW MULCH PER ACRE, SECURED WITH ANCHORED NETTING OR TACKIFIER, OR 2 INCHES OF EROSION CONTROL MIX MEETING THE CRITERIA OF ENV-WQ 1506.05(D) THROUGH (H).
- ALL PROPOSED VEGETATED AREAS HAVING A SLOPE OF GREATER THAN 15% WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE SEEDING AND COVERED WITH PROPERLY INSTALLED AND ANCHORED EROSION CONTROL MATTING OR WITH A MINIMUM 4 INCH THICKNESS OF EROSION CONTROL MIX MEETING THE CRITERIA OF ENV-WQ 1506.05(D) THROUGH (H).
- INSTALLATION OF ANCHORED HAY MULCH OR EROSION CONTROL MIX, MEETING THE CRITERIA OF ENV-WQ 1506.05(D) THROUGH (H), SHALL NOT OCCUR OVER SNOW OF GREATER THAN 1 INCH IN DEPTH.
- INSTALLATION OF EROSION CONTROL MATTING SHALL NOT OCCUR OVER SNOW OF GREATER THAN ONE INCH IN DEPTH OR ON FROZEN GROUND.
- ALL PROPOSED STABILIZATION IN ACCORDANCE WITH NOTES 2 OR 3 ABOVE, SHALL BE COMPLETED WITHIN 1 DAY OF ESTABLISHING THE GRADE THAT IS FINAL OR THAT OTHERWISE WILL EXIST FOR MORE THAN 5 DAYS.
- ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS, AS DETERMINED BY THE OWNER'S ENGINEERING CONSULTANT.
- AFTER OCTOBER 15, INCOMPLETE ROAD OR PARKING AREAS WHERE ACTIVE CONSTRUCTION OF THE ROAD OR PARKING AREA HAS STOPPED FOR THE WINTER SEASON SHALL BE PROTECTED WITH A MINIMUM 3 INCH LAYER OF BASE COURSE GRAVELS MEETING THE GRADATION REQUIREMENTS OF NHDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, 2016, ITEM NO. 304.1 OR 304.2.



MULCH NETTING DETAIL

NO SCALE
SOURCE: USDA SOIL CONSERVATION SERVICE



STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE

CONSTRUCTION SEQUENCE

- PREPARE AN EROSION CONTROL PLAN OR A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.
- INSTALL CONSTRUCTION ENTRANCE, SEE DETAIL.
- CUT AND CLEAR TREES WITHIN THE CLEARING LIMITS.
- INSTALL SEDIMENT FENCES, ROCK CHECK DAMS, AND OTHER APPROPRIATE EROSION CONTROL MEASURES AT LOCATIONS SHOWN ON THE PLANS AND AS NEEDED.
- GRUB SITE WITHIN GRADING LIMITS.
- STRIP AND STOCKPILE TOPSOIL AND INSTALL EROSION CONTROL MEASURES.
- INSTALL/ADJUST SEDIMENT FENCE, CHECK DAMS, AND HAYBALES, AS REQUIRED.
- CONSTRUCT PERMANENT STORMWATER CONTROLS AS SOON AS PRACTICAL. DO NOT DIRECT STORMWATER TOWARD TREATMENT BASINS, PONDS, SWALES, DITCHES AND LEVEL SPREADERS UNTIL THEY HAVE BEEN STABILIZED.
- PROCEED WITH WORK, LIMITING THE DURATION OF DISTURBANCE. THE MAXIMUM OF UNCOVERED DISTURBED EARTH AT ANY ONE TIME IS FIVE ACRES. THE MAXIMUM LENGTH OF TIME THAT DISTURBED EARTH MAY BE LEFT UNSTABILIZED IS 45 DAYS.
- AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:
A) BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;
B) A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;
C) A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIPRAP HAS BEEN INSTALLED; OR
D) EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
- INSPECT ALL EROSION CONTROL MEASURES ON A DAILY BASIS AND AFTER EVERY 0.5 INCHES OF PRECIPITATION. MAINTAIN SEDIMENT FENCE, SEDIMENT TRAPS, HAY BALES, ETC., AS NECESSARY.
- PAVE ROADWAYS AND/OR PARKING AREAS.
- PLACE TOPSOIL, SEED AND MULCH.
- COMPLETE ALL REMAINING PERMANENT EROSION CONTROL STRUCTURES.
- MONITOR THE SITE AND MAINTAIN STRUCTURES AS NEEDED UNTIL FULL VEGETATION IS ESTABLISHED.

FOR REVIEW
NOT FOR CONSTRUCTION

horizons
Engineering

NEWPORT VT • LITTLETON NH • NEW LONDON NH
POMFRET VT • KENNEBUNK ME • CONWAY NH

20 GLEN ROAD, LLC

SITE DESIGN
MAP U3 LOT 64 & 65
GORHAM, NEW HAMPSHIRE

CONSTRUCTION SEQUENCE, EROSION CONTROL NOTES AND DETAILS

NO.	DATE	REVISION DESCRIPTION	ENG	DWG

DATE OF PRINT
JULY 02 2021
HORIZONS ENGINEERING

© 2021
horizons
Engineering
All rights reserved

	DATE:	PROJECT #:
	JULY 2021	21047
	ENGINE'D BY:	DRAWN BY:
	DEB	DEB
CHECK'D BY:	ARCHIVE #:	
CFC	H-5671	
SHEET NO.	C3.2	