

# THE RIDGE MARKETPLACE

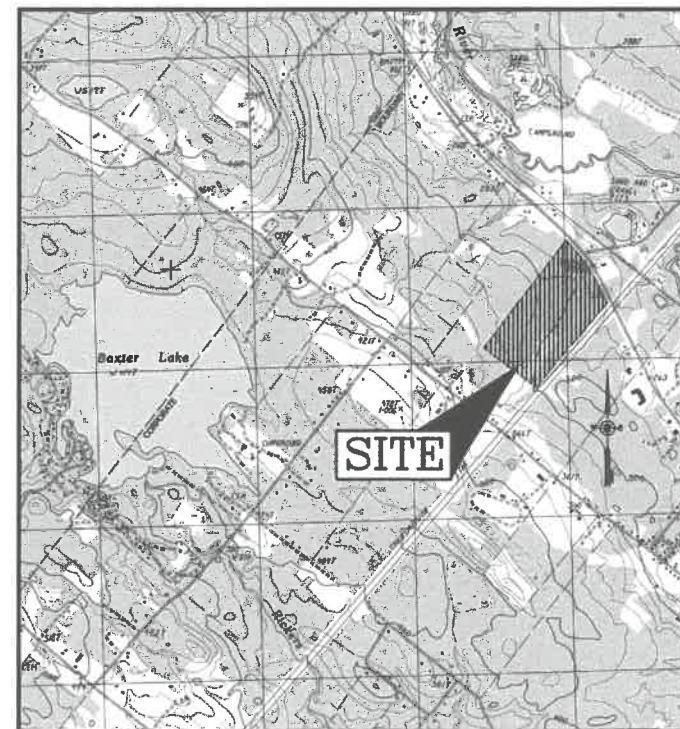
## FARMINGTON ROAD (ROUTE 11) ROCHESTER, NEW HAMPSHIRE

### PERMIT DRAWINGS

#### OCTOBER 5, 2020

#### LAST REVISED DECEMBER 21, 2020

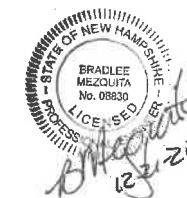
LIST OF DRAWINGS		
SHEET NO.	SHEET TITLE	LAST REVISED
	COVER SHEET	12/21/2020
C-101	OVERALL EXISTING CONDITIONS PLAN	12/21/2020
C-101.1	EXISTING CONDITIONS / DEMOLITION PLAN	12/21/2020
C-102	OVERALL SITE PLAN	12/21/2020
C-102.1	SITE PLAN	12/21/2020
C-103	GRADING, DRAINAGE & EROSION CONTROL PLAN	12/21/2020
C-104	UTILITY PLAN	12/21/2020
C-105	LANDSCAPE PLAN	12/21/2020
C-106	PHOTOMETRICS PLAN	12/21/2020
C-501	EROSION CONTROL NOTES & DETAILS SHEET	12/21/2020
C-502	DETAILS SHEET	12/21/2020



LOCATION MAP  
SCALE: 1" = 2,000'

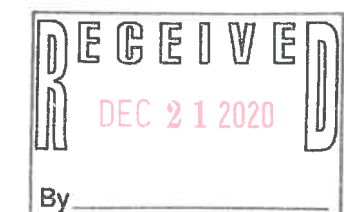
PREPARED BY:

**Tighe&Bond**  
Engineers | Environmental Specialists



OWNER:

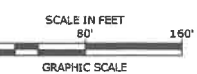
Waterstone Rochester, LLC  
322 Reservoir Street  
Needham, MA 02494



Certified by  
Nicole Romack  
1/7/21

COMPLETE SET 11 SHEETS



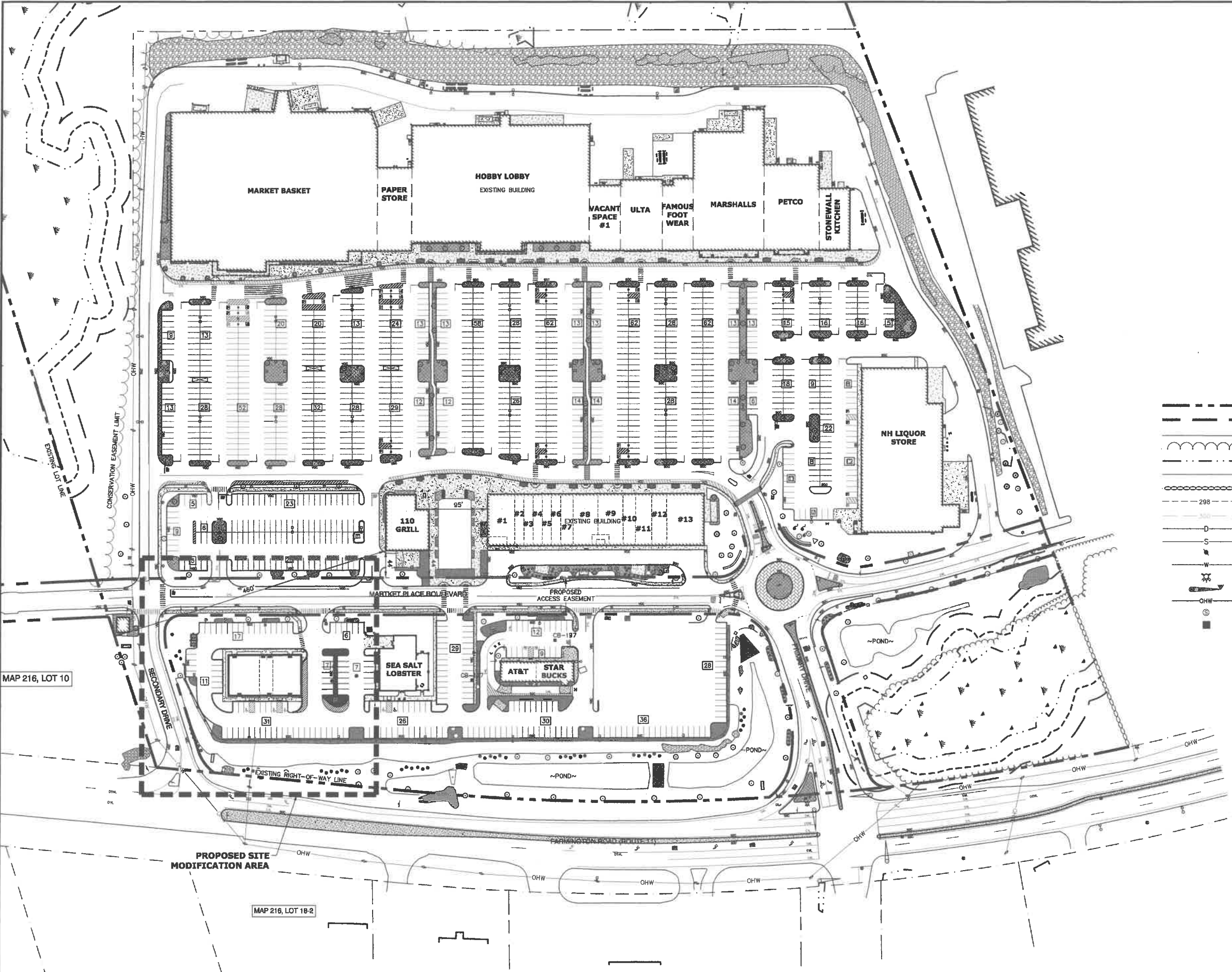


THE RIDGE  
MARKETPLACE

Farmington Road  
(Route 11)

Rochester, NH

- LEGEND**
- PROPERTY LINE
  - EASEMENT LINE
  - EXISTING TREELINE
  - APPROXIMATE EXISTING TREELINE
  - EDGE OF WETLAND
  - EXISTING FENCE
  - EXISTING STONEWALL
  - EXISTING CONTOUR
  - EXISTING 10' CONTOUR
  - EXISTING DRAINAGE
  - EXISTING SEWER LINE
  - EXISTING UTILITY POLE
  - EXISTING WATER LINE
  - EXISTING HYDRANT
  - EXISTING TRAFFIC SIGNAL
  - EXISTING OVERHEAD WIRE
  - EXISTING SEWER MANHOLE
  - EXISTING OUTLET STRUCTURE



FILENAME: J:\R\18183 ROUTE 11 INVESTMENTS ROCHESTER, NH\DWG-CAD\CONSTRUCTION\R-0195-3\_CONST DRIVE THRU.DWG  
SAVE DATE: 12/21/2020 12:34 PM  
PLOT DATE: 12/21/2020 12:46 PM

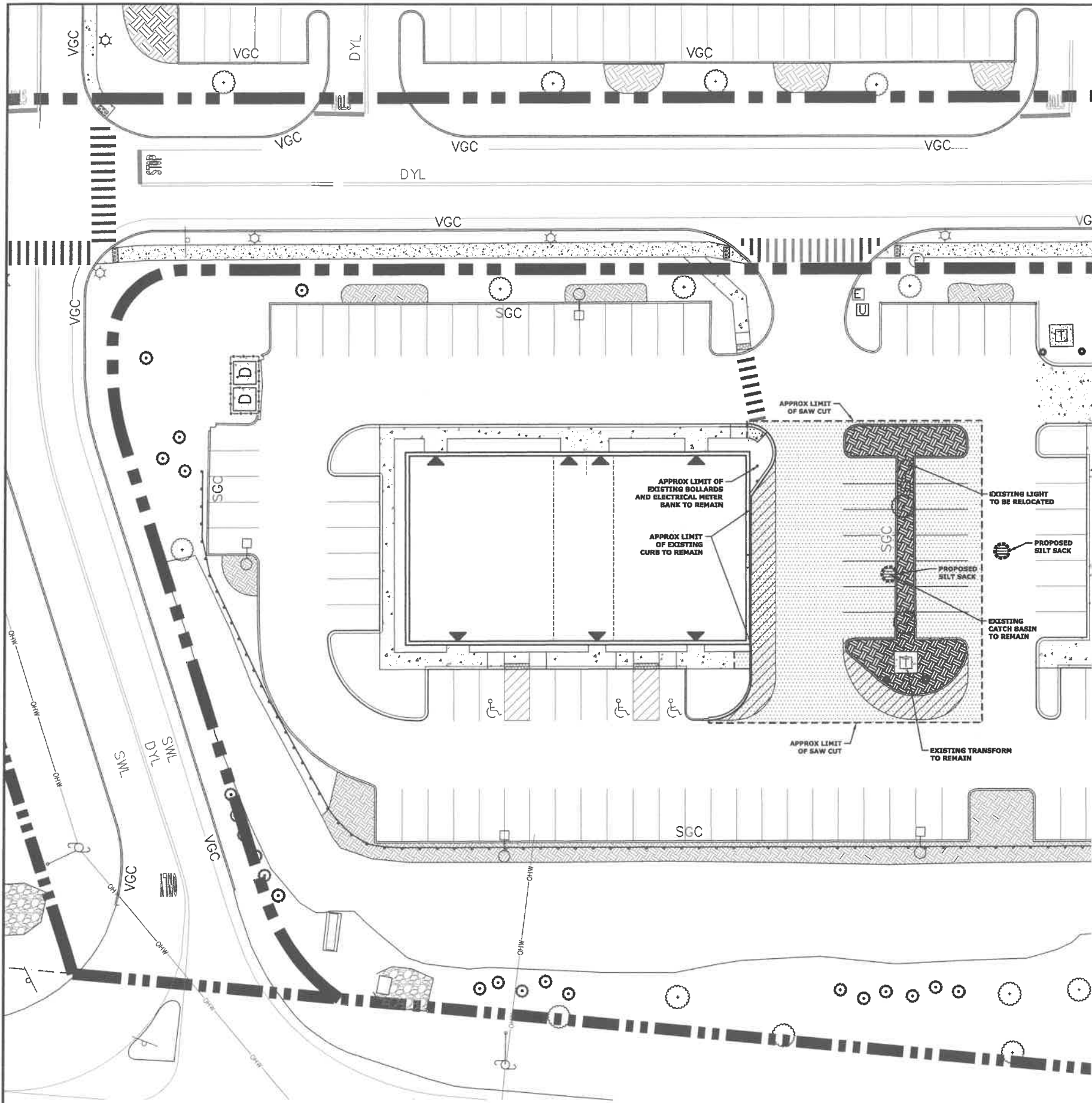
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DRAWN BY:	CML	
CHECKED:	PMC	
APPROVED BY:	BLM	

OVERALL EXISTING CONDITIONS  
PLAN

SCALE: AS SHOWN



FILENAME: A:\P\0195 ROUTE 11 INVESTMENTS ROCHESTER, NH\DWG-CAD\CONSTRUCTION\0195-3\_CONST DRIVE THRU.dwg  
SAVE DATE: 12/21/2020 12:34 PM  
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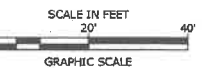
#### DEMOLITION NOTES:

1. THE LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE AND THE LOCATIONS ARE NOT GUARANTEED BY THE OWNER OR THE ENGINEER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UTILITIES, ANTICIPATE CONFLICTS, REPAIR EXISTING UTILITIES AND RELOCATE EXISTING UTILITIES REQUIRED TO COMPLETE THE WORK.
2. ALL MATERIALS SCHEDULED TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. THE CONTRACTOR SHALL DISPOSE OF ALL MATERIALS OFF-SITE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS, ORDINANCES AND CODES.
3. COORDINATE REMOVAL, RELOCATION, DISPOSAL OR SALVAGE OF UTILITIES WITH THE OWNER AND APPROPRIATE UTILITY COMPANY.
4. ANY EXISTING WORK OR PROPERTY DAMAGED OR DISRUPTED BY CONSTRUCTION/ DEMOLITION ACTIVITIES SHALL BE REPLACED OR REPAIRED TO MATCH ORIGINAL EXISTING CONDITIONS BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
5. THE CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES. CALL DIG SAFE AT LEAST 72 HOURS PRIOR TO THE COMMENCEMENT OF ANY DEMOLITION/CONSTRUCTION ACTIVITIES.
6. SAWCUT AND REMOVE PAVEMENT ONE FOOT OFF PROPOSED EDGE OF PAVEMENT OR EXISTING CURB LINE IN ALL AREAS WHERE PAVEMENT TO BE REMOVED ADJUTS EXISTING PAVEMENT OR CONCRETE TO REMAIN.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FAMILIARIZE THEMSELVES WITH THE CONDITIONS OF ALL OF THE PERMIT APPROVALS.
8. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ADDITIONAL PERMITS, NOTICES AND FEES NECESSARY TO COMPLETE THE WORK AND ARRANGE FOR AND PAY FOR NECESSARY INSPECTIONS AND APPROVALS FROM THE AUTHORITIES HAVING JURISDICTION.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION AND OFF-SITE DISPOSAL OF MATERIALS REQUIRED TO COMPLETE THE WORK, EXCEPT FOR WORK NOTED TO BE COMPLETED BY OTHERS.
10. UTILITIES SHALL BE TERMINATED AT THE MAIN LINE PER UTILITY COMPANY STANDARDS. THE CONTRACTOR SHALL REMOVE ALL ABANDONED UTILITIES LOCATED WITHIN THE LIMITS OF WORK. CONTRACTOR SHALL VERIFY ORIGIN OF ALL DRAINS AND UTILITIES PRIOR TO REMOVAL/TERMINATION TO DETERMINE IF DRAINS OR UTILITY IS ACTIVE AND SERVICES ANY ON OR OFF-SITE STRUCTURE TO REMAIN. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY SUCH UTILITY FOUND AND SHALL MAINTAIN THESE UTILITIES UNTIL PERMANENT SOLUTION IS IN PLACE.
11. PAVEMENT REMOVAL LIMITS ARE SHOWN FOR CONTRACTOR'S CONVENIENCE. ADDITIONAL PAVEMENT REMOVAL MAY BE REQUIRED DEPENDING ON THE CONTRACTOR'S OPERATION. CONTRACTOR TO VERIFY FULL LIMITS OF PAVEMENT REMOVAL PRIOR TO BID.
12. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING UTILITIES AND PAVEMENT WITHIN THE WORK LIMITS SHOWN.
13. COORDINATE ALL WORK WITHIN THE PUBLIC RIGHT OF WAYS WITH THE CITY OF ROCHESTER AND THE NEW HAMPSHIRE DEPARTMENT OF TRANSPORTATION.
14. REMOVE TREES AND BRUSH AS REQUIRED FOR COMPLETION OF WORK. CONTRACTOR SHALL GRUB AND REMOVE ALL STUMPS WITHIN LIMITS OF WORK AND DISPOSE OF OFF SITE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS.
15. CONTRACTOR SHALL PROTECT ALL PROPERTY MONUMENTATION THROUGHOUT DEMOLITION AND CONSTRUCTION OPERATIONS. SHOULD ANY MONUMENTATION BE DISTURBED BY THE CONTRACTOR, HE SHALL EMPLOY A LICENSED SURVEYOR TO REPLACE IT.
16. PROVIDE INLET PROTECTION BARRIERS AT ALL CATCH BASINS WITHIN CONSTRUCTION LIMITS AND MAINTAIN FOR THE DURATION OF THE PROJECT. INLET PROTECTION BARRIERS SHALL BE "HIGH FLOW SILT SACK" BY ACF ENVIRONMENTAL OR APPROVED EQUAL. INSPECT BARRIERS WEEKLY AND AFTER EACH RAIN OF 0.25 INCHES OR GREATER. CONTRACTOR SHALL COMPLETE A MAINTENANCE INSPECTION REPORT AFTER EACH INSPECTION. SEDIMENT DEPOSITS SHALL BE REMOVED AFTER EACH STORM EVENT OR MORE OFTEN IF THE FABRIC BECOMES CLOGGED.
17. THE CONTRACTOR SHALL PHASE DEMOLITION AND CONSTRUCTION AS REQUIRED TO PROVIDE CONTINUOUS SERVICE TO EXISTING BUSINESSES AND HOMES THROUGHOUT THE CONSTRUCTION PERIOD. EXISTING BUSINESS AND HOME SERVICES INCLUDE, BUT ARE NOT LIMITED TO ELECTRICAL, COMMUNICATION, FIRE PROTECTION, DOMESTIC WATER AND SEWER SERVICES. TEMPORARY SERVICES, IF REQUIRED, SHALL COMPLY WITH ALL FEDERAL, STATE, LOCAL AND UTILITY COMPANY STANDARDS. CONTRACTOR SHALL PROVIDE DETAILED CONSTRUCTION SCHEDULE TO OWNER PRIOR TO ANY DEMOLITION/CONSTRUCTION ACTIVITIES.
18. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF ANY CLEARING OR DEMOLITION ACTIVITIES.
19. THE CONTRACTOR SHALL PAY ALL COSTS NECESSARY FOR TEMPORARY PARTITIONING, BARRICADING, FENCING, SECURITY AND SAFETY DEVICES REQUIRED FOR THE MAINTENANCE OF A CLEAN AND SAFE CONSTRUCTION SITE.
20. SAWCUT AND REMOVE PAVEMENT AND CONSTRUCT PAVEMENT TRENCH PATCH FOR ALL UTILITIES TO BE REMOVED AND PROPOSED UTILITIES LOCATED IN EXISTING PAVEMENT AREAS TO REMAIN.

#### LEGEND

---	PROPERTY LINE
- - - - -	EXISTING TREELINE
- - - - -	APPROXIMATE EXISTING TREELINE
- - - - -	EDGE OF WETLAND
- - - - -	EXISTING FENCE
- - - - -	EXISTING STONEWALL
- - - - -	EXISTING CONTOUR
- - - - -	EXISTING 10' CONTOUR
- - - - -	EXISTING DRAINAGE
- - - - -	EXISTING UTILITY POLE
- - - - -	EXISTING WATER LINE
- - - - -	EXISTING HYDRANT
- - - - -	EXISTING SEWER LINE
- - - - -	EXISTING TRAFFIC SIGNAL
- - - - -	EXISTING OVERHEAD WIRE
- - - - -	EXISTING SEWER MANHOLE
- - - - -	EXISTING OUTLET STRUCTURE
- - - - -	SAWCUT LIMIT
- - - - -	SILT SOCK
- - - - -	LIMIT OF PAVEMENT TO BE REMOVED

**Tighe & Bond**



## THE RIDGE MARKETPLACE

Farmington Road  
(Route 11)

Rochester, NH

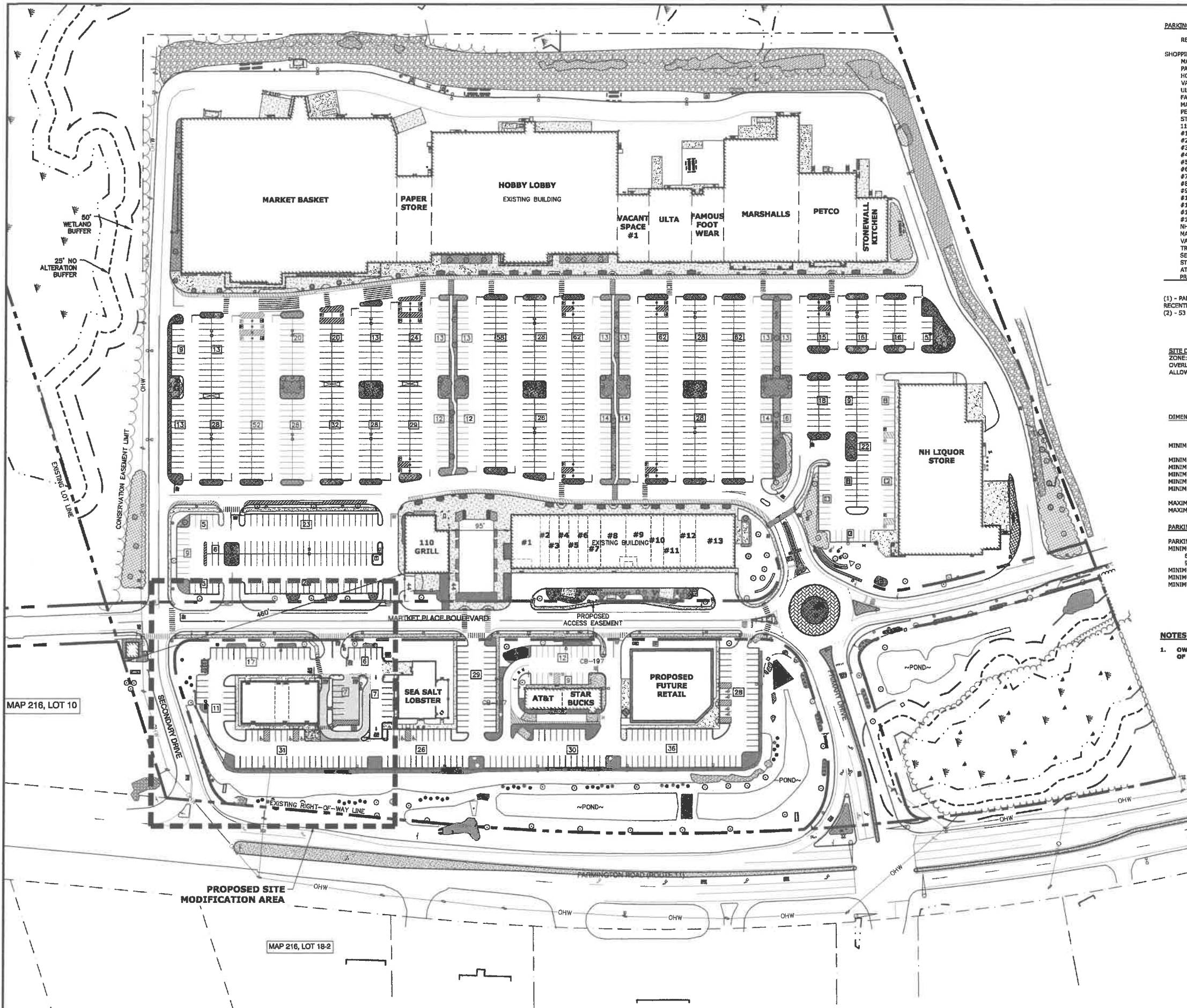
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A	9/8/20	Submitted for Modification to Approved Project
Mark	Date	Description
PROJECT NO:	R-0195-3	
FILE:	R-0195-3_CONST DRIVE THRU.dwg	
DRAWN BY:	CML	
CHECKED:	PMC	
APPROVED BY:	BLM	

EXISTING CONDITIONS  
/ DEMOLITION PLAN

SCALE: AS SHOWN

C-101.1

REVISION: 1. 1/19/2019 ROUTE 11 INVESTMENTS ROCKESTER, NH DWG-540 CONSTRUCTION R-0195-3 CONST DRIVE THRU DRIVING  
DATE: 12/21/2020 12:34 PM  
PLOT DATE: 12/21/2020 12:40 PM



**PARKING CALCULATIONS:**

RETAIL, OFFICE, RESTAURANT, OR SERVICE USE: 3 SPACES / 1,000 GFA (1)

SHOPPING CENTER TENANT:	AREA (SF)	MIN REQ'D (1)	PROVIDED
MARKET BASKET	±76,100 SF	229 SPACES	
PAPER STORE	±9,600 SF	29 SPACES	
HOBBY LOBBY	±53,600 SF	161 SPACES	
VACANT SPACE #1	±4,700 SF	15 SPACES	
ULTA	±7,100 SF	22 SPACES	
FAMOUS FOOTWEAR	±5,000 SF	15 SPACES	
MARSHALLS	±21,900 SF	66 SPACES	
PETCO	±11,900 SF	36 SPACES	
STONEWALL KITCHEN	±5,000 SF	15 SPACES	
110 GRILL	±5,500 SF	17 SPACES	
#1 - MOOYAH	±3,200 SF	10 SPACES	
#2 - VACANT SPACE	±1,200 SF	4 SPACES	
#3 - VACANT SPACE	±1,200 SF	4 SPACES	
#4 - CRICKET WIRELESS	±1,200 SF	4 SPACES	
#5 - THE BLOOM'N COW	±1,200 SF	4 SPACES	
#6 - TIARE NAIL SPA	±1,200 SF	4 SPACES	
#7 - SUPER CUTS	±1,600 SF	5 SPACES	
#8 - SALLY BEAUTY	±3,100 SF	10 SPACES	
#9 - VACANT SPACE	±3,100 SF	10 SPACES	
#10 - T MOBILE	±1,500 SF	5 SPACES	
#11 - VACANT SPACE	±2,000 SF	6 SPACES	
#12 - EASTERN PARADISE	±1,900 SF	6 SPACES	
#13 - VACANT SPACE	±4,500 SF	14 SPACES	
NH LIQUOR STORE	±32,000 SF	96 SPACES	
MATTRESS FIRM	±3,300 SF	10 SPACES	
VACANT SPACE #3	±1,300 SF	4 SPACES	
TROPICAL SMOOTHIE	±3,000 SF	9 SPACES	
SEA SALT LOBSTER	±4,300 SF	13 SPACES	
STARBUCKS	±1,600 SF	5 SPACES	
AT&T	±1,600 SF	5 SPACES	
PROPOSED FUTURE RETAIL	±13,300 SF	40 SPACES	
TOTAL:		873 SPACES (1)	1,359 SPACES (2)

(1) - PARKING CALCULATIONS PER CITY OF ROCHESTER SITE PLAN REGULATIONS MOST RECENTLY AMENDED NOVEMBER 19, 2018  
(2) - 53 TOTAL ADA PARKING SPACES PROVIDED

**SITE DATA:**

ZONE: GRANITE RIDGE DEVELOPMENT ZONE (GRD)  
OVERLAY DISTRICT: CONSERVATION OVERLY DISTRICT  
ALLOWED USES: RETAIL/COMMERCIAL DEVELOPMENT  
RESTAURANT WITH DRIVE-THRU  
RESTAURANT  
OFFICE  
BANK

**DIMENSIONAL REQUIREMENTS:**

	REQUIRED	PROVIDED
MINIMUM LOT SIZE:	N/A	85.9 ACRES (W/EASEMENT) 39.7 ACRES (W/O EASEMENT)
MINIMUM FRONTAGE:	50.0 FT	1,585.0 FT
MINIMUM FRONT YARD SETBACK:	10.0 FT	126.4 FT
MINIMUM SIDE YARD:	5.0 FT	60.6 FT
MINIMUM REAR YARD:	10.0 FT	1,324.9 FT
MINIMUM OPEN SPACE:	25.0%	68.5% (W/EASEMENT) 31.7% (W/O EASEMENT)
MAXIMUM LOT COVERAGE:	N/A	N/A
MAXIMUM BUILDING HEIGHT:	35.0 FT	≤35.0 FT

**PARKING REQUIREMENTS:**

	REQUIRED	PROVIDED
PARKING STALL SIZE	9' X 18'	9' X 18'
MINIMUM DRIVE AISLE		
60°	18 FT	18 FT
90°	22 FT	24 FT
MINIMUM FRONT SETBACK	10 FT	±56.3 FT
MINIMUM SIDE SETBACK	5 FT	±23.9 FT
MINIMUM REAR SETBACK	10 FT	±1,251.7 FT

**NOTES:**

- OWNER SHALL BE RESPONSIBLE FOR REMOVING AND PROPERLY DISPOSING OF SNOW IF IT EXCEEDS DESIGNATED SNOW STORAGE AREAS.

LEGEND	
	PROPERTY LINE
	EDGE OF WETLAND
	25' NO ALTERATION BUFFER
	50' WETLAND BUFFER
	LIMIT OF CONSERVATION EASEMENT
	EXISTING TREE LINE
	PROPOSED TREE LINE
	EXISTING STONEWALL
	FENCE
	GUARDRAIL
	CONCRETE SIDEWALK/PAD
	BITUMINOUS SIDEWALK/PAD
	PROPOSED STANDARD DUTY PAVEMENT SECTION
	STAMPED CONCRETE TRUCK APRON
	PROPOSED SIGN
	LIGHT POLE BASE
	ACCESSIBLE PARKING SPACE
	PROPOSED SNOW STORAGE AREA

**Tighe & Bond**



SCALE IN FEET  
80' 160'  
GRAPHIC SCALE

**THE RIDGE  
MARKETPLACE**

Farmington Road  
(Route 11)

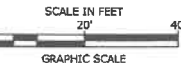
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DRAWN BY:	CML	
CHECKED:	PMC	
APPROVED BY:	BLM	

OVERALL SITE PLAN

SCALE: AS SHOWN

C-102



THE RIDGE  
MARKETPLACE

Farmington Road  
(Route 11)

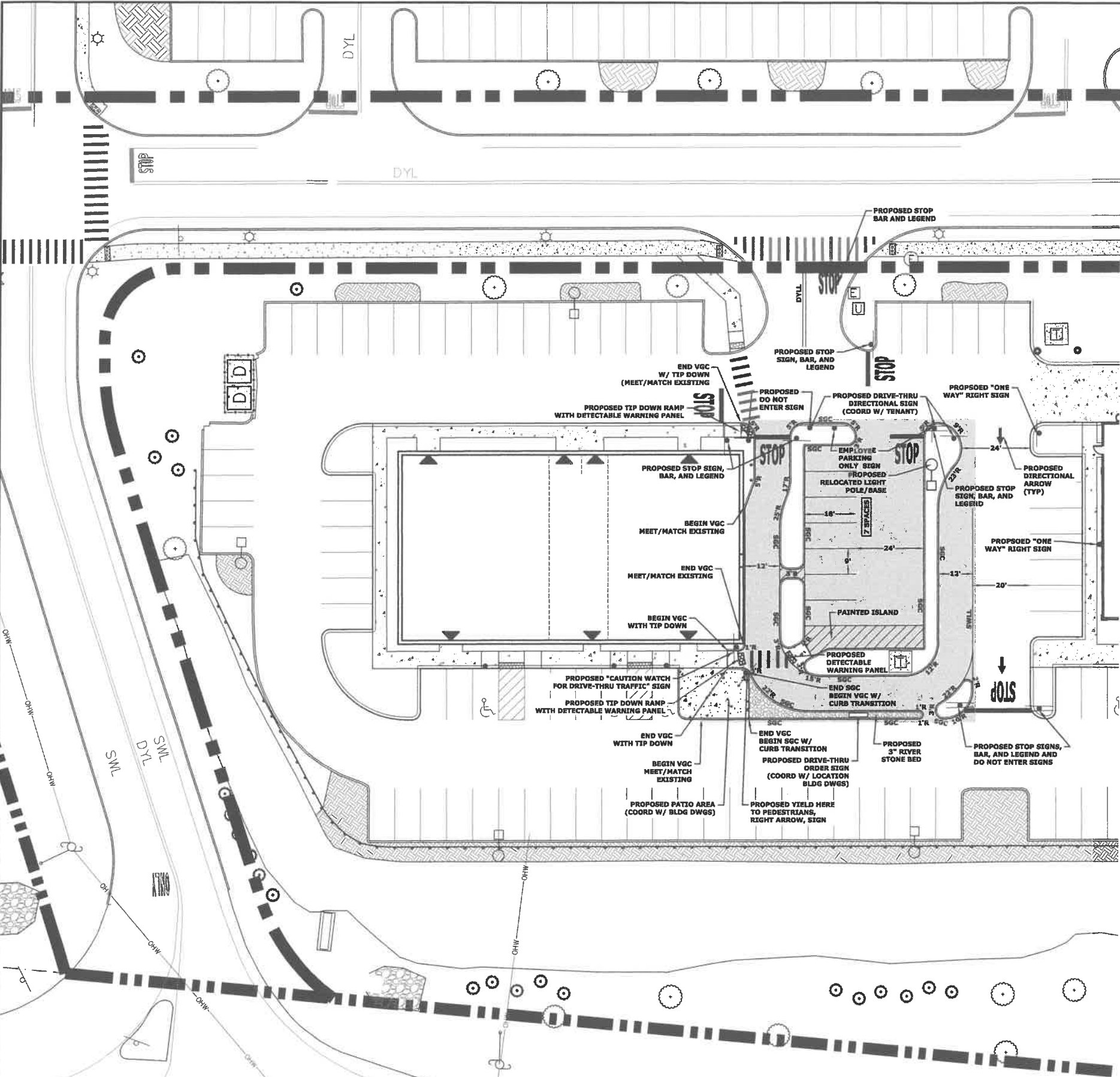
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DRAWN BY:	CML	
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SITE PLAN

SCALE: AS SHOWN

C-102.1



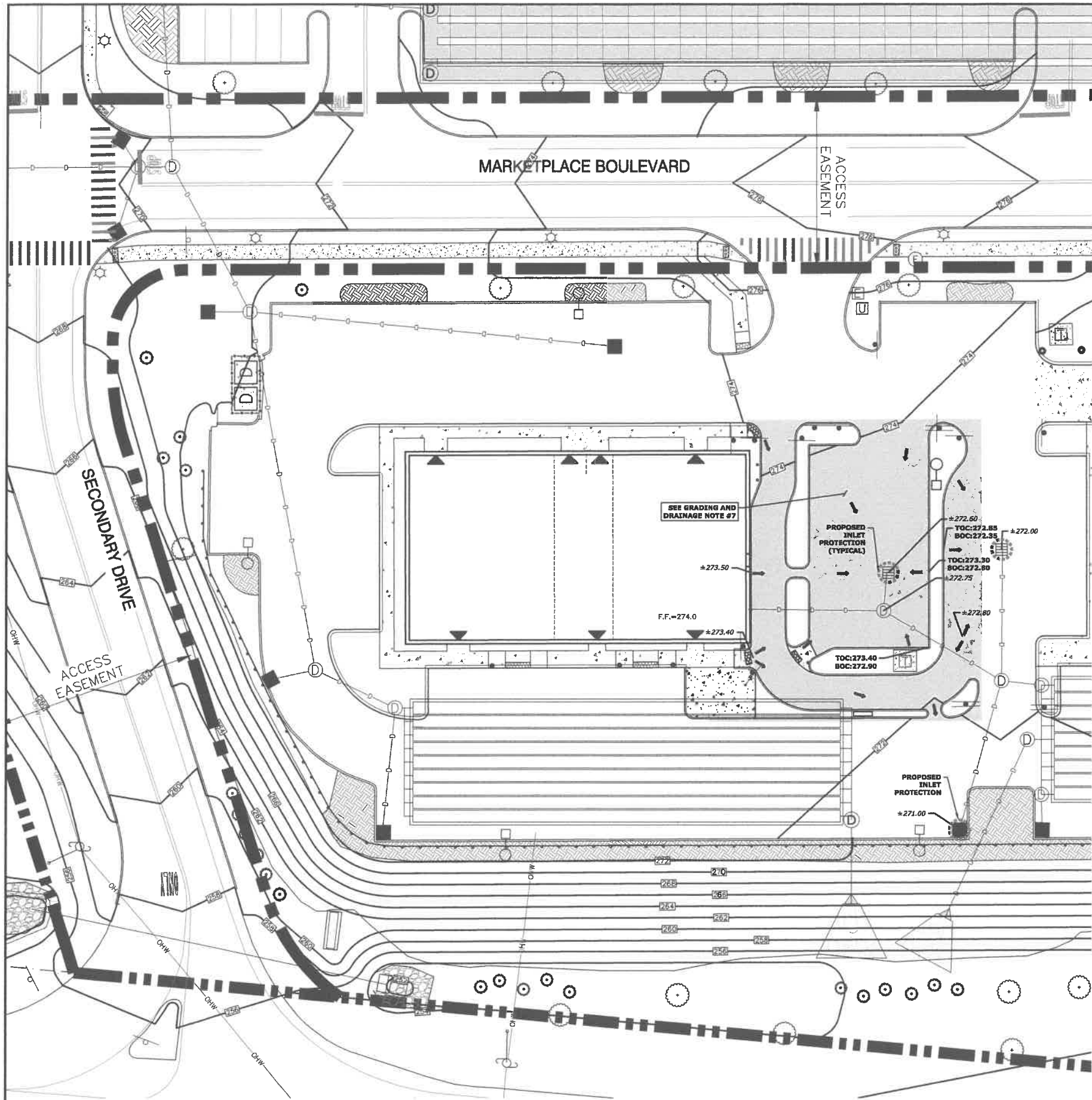
- LEGEND**
- PROPOSED CITY RIGHT OF WAY
  - PROPERTY LINE
  - MATCHLINE
  - EDGE OF WETLAND
  - EXISTING TREE LINE
  - EXISTING STONEWALL
  - FENCE
  - GUARDRAIL
  - PROPOSED PAVEMENT SECTION
  - PROPOSED SIGN
  - POLE BASE
  - PROPOSED BOLLARD

**SITE NOTES:**

1. STRIPE PARKING AREAS AS SHOWN, INCLUDING PARKING SPACES, STOP BARS, HANDICAP SYMBOLS, PAINTED ISLANDS, CROSS WALKS, ARROWS, LEGENDS AND CENTERLINES (ALL MARKINGS EXCEPT CENTERLINE, MEDIAN ISLANDS, AND FIRE LANES TO BE CONSTRUCTED USING WHITE TRAFFIC PAINT, CENTERLINE, MEDIAN ISLANDS, AND FIRE LANES TO BE CONSTRUCTED USING YELLOW TRAFFIC PAINT. ALL TRAFFIC PAINT SHALL MEET THE REQUIREMENTS OF AASHTO M248 TYPE "F").
2. ALL PAVEMENT MARKINGS AND SIGNS TO CONFORM TO "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKINGS", AND THE AMERICANS WITH DISABILITIES ACT REQUIREMENTS, LATEST EDITIONS.
3. SEE DETAILS SIGNS AND SIGN POSTS.
4. PAINTED ISLANDS SHALL BE FOUR (4) INCH WIDE DIAGONAL LINES AT 3'-0" O.C. BORDERED BY FOUR (4) INCH WIDE LINES.
5. THE CONTRACTOR SHALL EMPLOY A LICENSED ENGINEER/SURVEYOR TO DETERMINE ALL LINES AND GRADES.
6. CLEAN AND COAT VERTICAL FACE OF EXISTING PAVEMENT AT SAWCUT LINE WITH RS-1 EMULSION IMMEDIATELY PRIOR TO PLACING NEW BITUMINOUS CONCRETE.
7. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM WITH APPLICABLE FEDERAL, STATE AND/OR CITY CODES & SPECIFICATIONS.
8. WORK WITHIN FRONTAGE ROAD SHALL BE COORDINATED WITH CITY OF ROCHESTER.
9. CONTRACTOR TO SUBMIT AS-BUILT PLANS ON REPRODUCIBLE MYLARS AND IN DIGITAL FORMAT (.DWG FILE) ON DISK TO THE OWNER AND ENGINEER UPON COMPLETION OF THE PROJECT. AS-BUILT SHALL BE PREPARED AND CERTIFIED BY A LICENSED LAND SURVEYOR OR PROFESSIONAL ENGINEER AND SHALL BE TIED INTO THE NEW HAMPSHIRE STATE PLANE COORDINATE SYSTEM.
10. ALL WORK SHALL CONFORM TO THE CITY OF ROCHESTER DEPARTMENT OF PUBLIC WORKS, STANDARD SPECIFICATIONS.
11. ALL DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.



FILENAME: J:\PROJECTS\ROUTE 11 INVESTMENTS\ROCHESTER, NH\DWG-CAD\CONSTRUCTION\0195-3 CONST DRIVE THRU.DWG  
SAVE DATE: 12/21/2020 12:34 PM  
PLOT DATE: 12/21/2020 12:41 PM



#### GRADING AND DRAINAGE NOTES:

1. COMPACTION REQUIREMENTS  
BELOW PAVED OR CONCRETE AREAS 95%  
TRENCH BEDDING MATERIAL AND  
SAND BLANKET BACKFILL 95%  
BELOW LOAM AND SEED AREAS 90%  
\*ALL PERCENTAGES OF COMPACTION SHALL BE OF THE MAXIMUM DRY DENSITY AT THE  
OPTIMUM MOISTURE CONTENT AS DETERMINED AND CONTROLLED IN ACCORDANCE WITH ASTM  
D-1557, METHOD C FIELD DENSITY TESTS SHALL BE MADE IN ACCORDANCE WITH ASTM D-1556  
OR ASTM-1922.
2. ALL STORM DRAINAGE PIPES SHALL BE HIGH DENSITY POLYETHYLENE (HANCOR HE-Q, ADS  
N-12 OR APPROVED EQUAL) OR RCP CLASS IV, UNLESS OTHERWISE SPECIFIED.
3. ADJUST ALL MANHOLES, CATCHBASINS, CURB BOXES, ETC. WITHIN LIMITS OF WORK TO  
FINISH GRADE.
4. CONTRACTOR SHALL PROVIDE A FINISHED PAVEMENT SURFACE AND LAWN AREAS FREE OF  
LOW SPOTS AND PONDING AREAS. CRITICAL AREAS INCLUDE BUILDING ENTRANCES, EXITS,  
RAMPS AND LOADING DOCK AREAS ADJACENT TO THE BUILDING.
5. CONTRACTOR SHALL THOROUGHLY CLEAN ALL CATCHBASINS AND DRAIN LINES, WITHIN  
THE LIMIT OF WORK, OF SEDIMENT IMMEDIATELY UPON COMPLETION OF CONSTRUCTION.
6. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM WITH APPLICABLE FEDERAL, STATE  
AND LOCAL CODES.
7. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL VERIFY ALL EXISTING GRADES AND  
NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

#### EROSION CONTROL NOTES:

1. INSTALL EROSION CONTROL BARRIERS AS SHOWN AS FIRST ORDER OF WORK.
2. SEE GENERAL EROSION CONTROL NOTES ON EROSION CONTROL NOTES SHEET.
3. PROVIDE SILT SACK INLET PROTECTION WITHIN ALL EXISTING AND PROPOSED CATCH BASIN  
INLETS WITHIN THE WORK LIMITS. MAINTAIN FOR THE DURATION OF THE PROJECT UNTIL  
PAVEMENT HAS BEEN INSTALLED.
4. INSTALL STABILIZED CONSTRUCTION ENTRANCES/EXITS.
5. INSPECT INLET PROTECTION AND SILT SOCKS WEEKLY AND AFTER EACH RAIN STORM OF 0.25  
INCH OR GREATER. REPAIR/MODIFY PROTECTION AS NECESSARY TO MAXIMIZE EFFICIENCY OF  
FILTER. REPLACE ALL FILTERS WHEN SEDIMENT IS 1/3 THE FILTER HEIGHT.
6. ALL DISTURBED AREAS NOT OTHERWISE BEING TREATED SHALL RECEIVE 4" LOAM, SEED, AND  
FERTILIZER OR 3" PERMANENT MULCH AND SEED.
7. CONSTRUCT EXCELSIOR MAT ON ALL SLOPES STEEPER THAN 3:1.
8. PRIOR TO ANY WORK OR SOIL DISTURBANCE COMMENCING ON THE SUBJECT PROPERTY,  
INCLUDING MOVING OF EARTH, THE APPLICANT SHALL INSTALL ALL EROSION AND SILTATION  
MITIGATION AND CONTROL MEASURES AS REQUIRED BY STATE AND LOCAL PERMITS AND  
APPROVALS.
9. CONTRACTOR SHALL BE RESPONSIBLE TO CONTROL DUST AND WIND EROSION THROUGHOUT THE  
CONSTRUCTION PERIOD. DUST CONTROL MEASURES SHALL INCLUDE, BUT NOT LIMITED TO,  
SPRINKLING WATER ON UNSTABLE SOILS SUBJECT TO ARID CONDITIONS.
10. THE CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL TEMPORARY EROSION  
CONTROL DEVICES UPON COMPLETION OF CONSTRUCTION.
11. TEMPORARY SOIL STOCKPILE SHALL BE SURROUNDED BY SILT SOCK AND SHALL BE STABILIZED BY  
TEMPORARY EROSION CONTROL SEEDING. STOCKPILE AREAS TO BE LOCATED AS FAR AS POSSIBLE  
FROM THE DELINEATED EDGE OF WETLAND.
12. SAFETY FENCING SHALL BE PROVIDED AROUND STOCKPILES OVER 10 FT.
13. THE ALTERATION OF TERRAIN PERMIT HOLDER MUST SUBMIT TO THE NEW HAMPSHIRE  
DEPARTMENT OF ENVIRONMENTAL SERVICES A WRITTEN UPDATE OF THE PROJECT AND REVISED  
PLANS DOCUMENTING THE PROJECT EVERY FIVE YEARS FROM THE DATE OF THE PERMIT.

#### LEGEND

- PROPERTY LINE
- EDGE OF WETLAND
- EXISTING STONEWALL
- EXISTING CONTOUR
- EXISTING 10' CONTOUR
- FINISHED GRADE
- EXISTING DRAINAGE
- PROPOSED DRAINAGE
- PROPOSED DRAINAGE W/INSULATION  
(LESS THEN 4" OF COVER)
- CATCH BASIN
- DRAIN MANHOLE
- YARD DRAIN
- PROPOSED SPOT GRADE
- TYP.
- CONST.
- PROPOSED SILT SOCK
- INLET PROTECTION BARRIER

Tighe & Bond



SCALE IN FEET  
0 20' 40'  
GRAPHIC SCALE

## THE RIDGE MARKETPLACE

Farmington Road  
(Route 11)

Rochester, NH

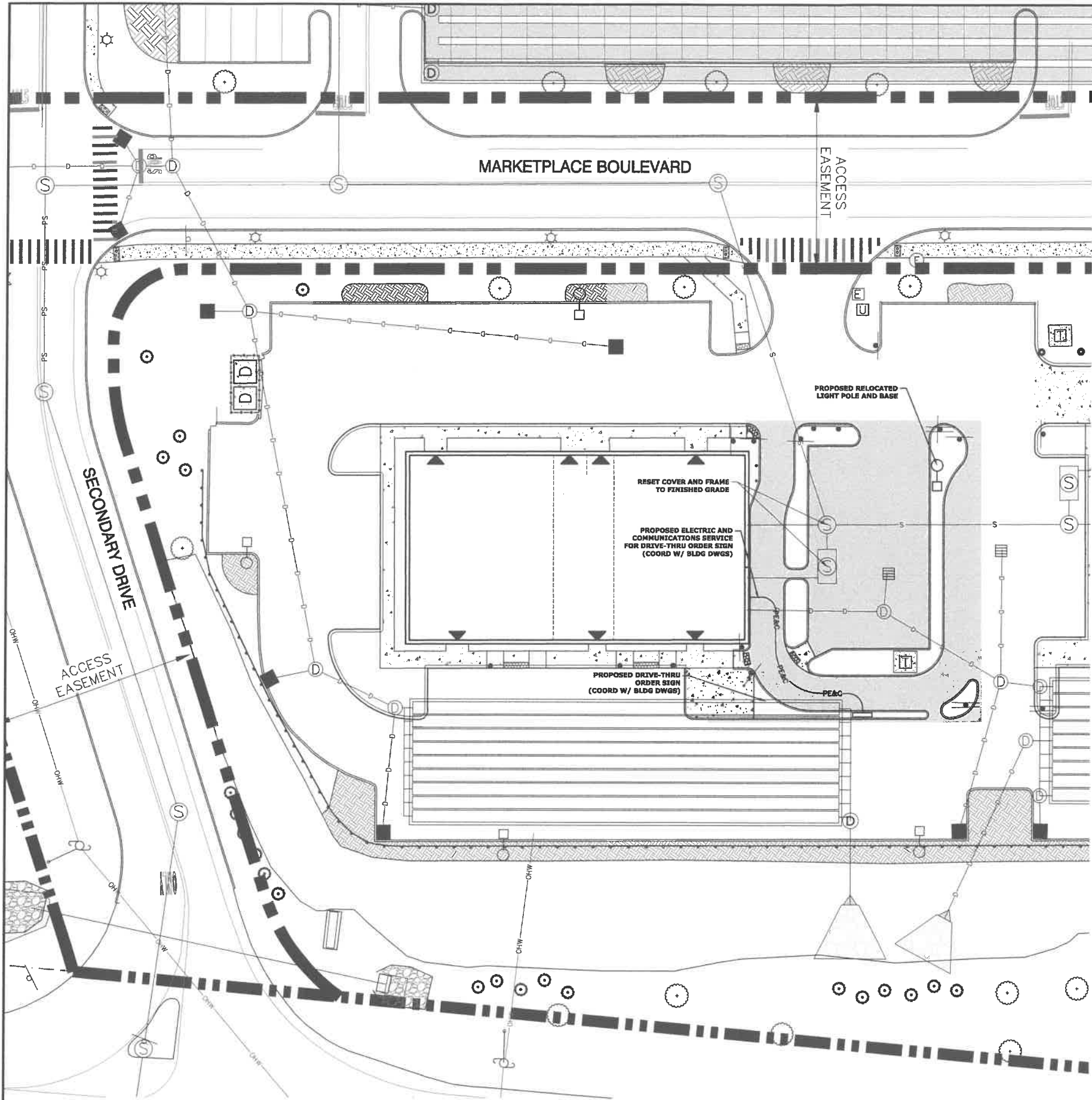
D	12/21/20	Submitted for Final Approval
C	11/9/20	Rev per Client / Town Comments
B	10/21/20	Rev per Town Comments
A	9/8/20	Submitted for Modification to Approved Project
Mark	Date	Description
PROJECT NO:	R-0195-3	
FILE:	R-0195-3 CONST DRIVE THRU.dwg	
DRAWN BY:	CML	
CHECKED:	PMC	
APPROVED BY:	BLM	

GRADING, DRAINAGE, AND  
EROSION CONTROL PLAN

SCALE: AS SHOWN

C-103

FILENAME: J:\PROJECTS\ROUTE 11 INVESTMENTS\ROCHESTER, NH\DWG-CAD\CONSTRUCTION\R-0195-3\_CONST DRIVE THRU.DWG  
DATE: 12/21/2020 12:34 PM  
PLOT DATE: 12/21/2020 12:42 PM



#### UTILITY NOTES:

1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE AND THE LOCATIONS ARE NOT GUARANTEED BY THE OWNER OR ENGINEER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UTILITIES, ANTICIPATE CONFLICTS, REPAIR EXISTING UTILITIES, AND RELOCATE EXISTING UTILITIES REQUIRED TO COMPLETE THE WORK AT NO ADDITIONAL COST TO THE OWNER.
2. COORDINATE ALL UTILITY WORK WITH APPROPRIATE UTILITY COMPANY.
3. SEE GRADING, DRAINAGE, AND EROSION CONTROL PLAN FOR PROPOSED GRADING AND EROSION CONTROL MEASURES.
4. CONTRACTOR SHALL MAINTAIN UTILITY SERVICES TO ADJUTING PROPERTIES AND BUSINESSES THROUGHOUT CONSTRUCTION.
5. ALL ELECTRICAL MATERIAL WORKMANSHIP SHALL CONFORM TO THE NATIONAL ELECTRIC CODE, LATEST EDITION, AND ALL APPLICABLE STATE AND LOCAL CODES.
6. THE EXACT LOCATION OF NEW UTILITY SERVICES AND CONNECTIONS SHALL BE COORDINATED WITH THE BUILDING DRAWINGS AND THE UTILITY COMPANIES.
7. ADJUST ALL MANHOLES, CATCH BASINS, CURB BOXES, ETC. WITHIN LIMITS OF WORK TO FINISH GRADE.
8. ALL UNDERGROUND CONDUITS SHALL HAVE NYLON PULL ROPES TO FACILITATE PULLING CABLES.
9. THE CONTRACTOR SHALL OBTAIN, PAY FOR, AND COMPLY WITH ALL REQUIRED PERMITS, ARRANGE FOR ALL INSPECTIONS, AND SUBMIT COPIES OF ACCEPTANCE CERTIFICATES TO THE OWNER PRIOR TO THE COMPLETION OF THIS PROJECT.
10. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL MANHOLES, BOXES, FITTINGS, CONNECTORS, COVER PLATES, AND OTHER MISCELLANEOUS ITEMS NOT NECESSARILY DETAILED ON THESE DRAWINGS TO RENDER INSTALLATION OF UTILITIES COMPLETE AND OPERATIONAL.
11. THE CONTRACTOR SHALL CONTACT "DIG-SAFE" 72 HOURS PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL HAVE THE "DIG-SAFE" NUMBER ON SITE AT ALL TIMES.
12. CONTRACTOR TO SUBMIT AS-BUILT PLANS ON REPRODUCIBLE MYLARS AND IN DIGITAL FORMAT (.DXF FILES) TO THE OWNER AND ENGINEER UPON COMPLETION OF THE PROJECT. AS-BUILTS SHALL BE PREPARED AND CERTIFIED BY A LICENSED LAND SURVEYOR OR PROFESSIONAL ENGINEER.
13. SAWCUT AND REMOVE PAVEMENT AND CONSTRUCT PAVEMENT TRENCH PATCH FOR ALL PROPOSED UTILITIES LOCATED IN EXISTING PAVEMENT AREAS TO REMAIN.
14. CONTRACTOR SHALL COORDINATE ALL ELECTRIC WORK POWER COMPANY.

#### LEGEND

---	PROPERTY LINE
- - -	EDGE OF WETLAND
-----	EXISTING STONEWALL
○	EXISTING DRAINAGE
OH	EXISTING OVERHEAD WIRE
E	EXISTING ELECTRIC/TELEPHONE/CABLE
PE&C	PROPOSED UNDERGROUND ELECTRIC/TELEPHONE/CABLE
W	EXISTING WATER
PW	PROPOSED WATER
S	EXISTING SEWER
S	SEWER MANHOLE
▨	CONCRETE SIDEWALK/PAD
▩	BITUMINOUS SIDEWALK/PAD
●	PROPOSED BOLLARD
★	LIGHT POLE BASE
□	CATCHBASIN
⊙	DRAIN MANHOLE
⋈	HYDRANT
⋈	VALVE

Tighe&Bond



SCALE IN FEET  
20' 40'  
GRAPHIC SCALE

## THE RIDGE MARKETPLACE

Farmington Road  
(Route 11)

Rochester, NH

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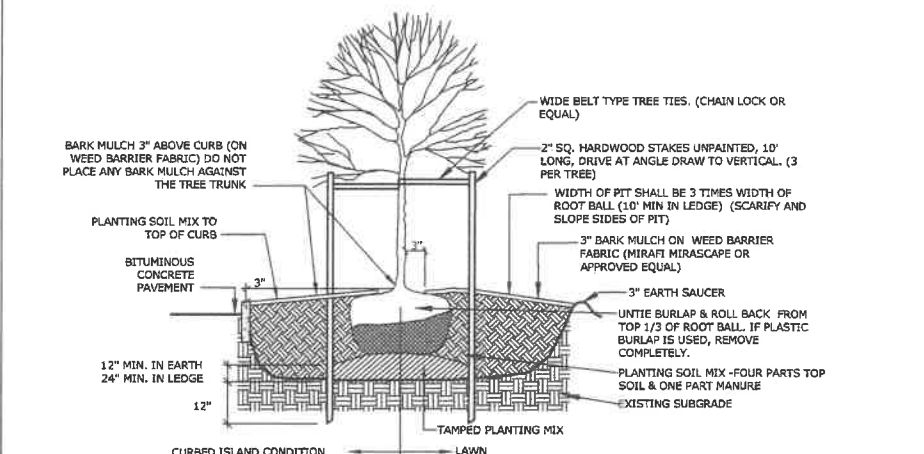
#### UTILITIES PLAN

SCALE: AS SHOWN

C-104

LANDSCAPE NOTES:

1. THE CONTRACTOR SHALL FURNISH AND PLANT ALL PLANTS IN QUANTITIES AS SHOWN ON THIS PLAN. NO SUBSTITUTIONS WILL BE PERMITTED UNLESS APPROVED BY OWNER. ALL PLANTS SHALL BE NURSERY GROWN.
2. ALL PLANTS SHALL BE NURSERY GROWN AND PLANTS AND WORKSMANSHIP SHALL CONFORM TO THE AMERICAN ASSOCIATION OF NURSERYMEN STANDARDS, INCLUDING BUT NOT LIMITED TO SIZE, HEALTH, SHAPE, ETC., AND SHALL BE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT PRIOR TO ARRIVAL ON-SITE AND AFTER PLANTING.
3. PLANT STOCK SHALL BE GROWN WITHIN THE HARDINESS ZONES 4 THRU 7 ESTABLISHED BY THE PLANT HARDINESS ZONE MAP, MISCELLANEOUS PUBLICATIONS NO. 814, AGRICULTURAL RESEARCH SERVICE, UNITED STATES DEPARTMENT AGRICULTURE, LATEST REVISION.
4. ALL PLANTS SHALL BE PLANTED IN ACCORDANCE WITH THE SPECIFIED GRADE RELATIONSHIP TO THE ORIGINAL PLANTING GRADE PRIOR TO DIGGING.
5. THE NUMBER OF EACH INDIVIDUAL PLANT TYPE AND SIZE PROVIDED IN THE PLANT LIST OR ON THE PLAN IS FOR THE CONTRACTOR'S CONVENIENCE ONLY. IF A DISCREPANCY EXISTS BETWEEN THE NUMBER OF PLANTS ON THE LABEL AND THE NUMBER OF SYMBOLS SHOWN ON THE DRAWINGS, THE GREATER NUMBER SHALL APPLY.
6. NO SUBSTITUTION OF PLANT MATERIALS WILL BE ALLOWED WITHOUT THE PRIOR WRITTEN APPROVAL OF THE OWNER'S REPRESENTATIVE.
7. THE CONTRACTOR SHALL LOCATE, VERIFY AND MARK ALL EXISTING AND NEWLY INSTALLED UNDERGROUND UTILITIES PRIOR TO ANY LAWN WORK OR PLANTING. ANY CONFLICTS WHICH MIGHT OCCUR BETWEEN PLANTING AND UTILITIES SHALL IMMEDIATELY BE REPORTED TO THE OWNER SO THAT ALTERNATE PLANTING LOCATIONS CAN BE DETERMINED.
8. ALL DISTURBED AREAS NOT TO BE PAVED OR OTHERWISE TREATED, SHALL RECEIVE SIX (6) INCHES OF LOAM AND SEED. NO FILL SHALL BE PLACED IN ANY WETLAND AREA.
9. THREE (3) INCH BARK MULCH IS TO BE USED AROUND THE TREE AND SHRUB PLANTING AS SPECIFIED IN THE DETAILS. WHERE BARK MULCH IS TO BE USED IN A CURBED ISLAND THE BARK MULCH SHALL MEET THE TOP INSIDE EDGE OF THE CURB. ALL OTHER AREAS SHALL RECEIVE SIX (6) INCHES OF LOAM AND SEED.
10. HOSE BARS/EXTERIOR FAUCETS SHALL BE INSTALLED AT THE FRONT AND REAR OF ALL BUILDINGS TO SUPPLEMENT WATER REQUIREMENTS FOR PLANTS DURING PERIODS OF DROUGHT (COORDINATE WITH BUILDING ARCHITECT).
11. SEE PLANTING DETAILS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
12. TREE STAKES SHALL REMAIN IN PLACE FOR NO LESS THAN 6 MONTHS AND NO MORE THAN 1 YEAR.
13. PLANTING SHALL BE COMPLETED FROM APRIL 15TH THROUGH OCTOBER 15TH (NORTHERN NEW ENGLAND) OR OCTOBER 15TH (SOUTHERN NEW ENGLAND). LATE PLANTING DATES AND AVOIDANCE OF FROST PROVISIONS ARE MADE FOR ADRIFT.
14. PARKING AREA PLANTED ISLANDS TO HAVE MINIMUM OF 1" - 2" TOPSOIL PLACED TO WITHIN 3 INCHES OF THE TOP OF CURB ELEVATION. REMOVE ALL CONSTRUCTION DEBRIS BEFORE PLACING TOPSOIL.
15. TREES SHALL BE PRUNED IN ACCORDANCE WITH THE LATEST EDITION OF ANSI A300 "TREES, SHRUBS AND OTHER WOOD PLANT MAINTENANCE STANDARD PRACTICES".
16. ALL PLANTS SHALL BE WATERED THOROUGHLY TWICE DURING THE FIRST 24 HOUR PERIOD AFTER PLANTING. ALL PLANTS SHALL BE WATERED WEEKLY, OR MORE OFTEN, IF NECESSARY DURING THE FIRST GROWING SEASON.
17. EXISTING TREES AND SHRUBS SHOWN ON THE PLAN ARE TO REMAIN UNDISTURBED. ALL EXISTING TREES AND SHRUBS SHOWN TO REMAIN ARE TO BE PROTECTED WITH A 4-FOOT SNOW FENCE PLACED AT THE DRIP LINE OF THE BRANCHES OR AT 8 FEET MINIMUM FROM THE TREE TRUNK. ANY EXISTING TREE OR SHRUB SHOWN TO REMAIN, WHICH IS REMOVED DURING CONSTRUCTION, SHALL BE REPLACED BY A TREE OF COMPARABLE SIZE AND SPECIES TO THE TREE OR SHRUB.
18. THE CONTRACTOR SHALL GUARANTEE ALL PLANTINGS TO BE IN HEALTHY, FLOURISHING AND ACCEPTABLE CONDITION FOR A PERIOD OF (1) YEAR BEGINNING AT THE DATE OF ACCEPTANCE OF SUBSTANTIAL COMPLETION. ALL GRASSES, TREES AND SHRUBS THAT, IN THE OPINION OF THE LANDSCAPE ARCHITECT, SHOW LESS THAN 80% HEALTHY GROWTH AT THE END OF ONE YEAR PERIOD SHALL BE REPLACED BY THE CONTRACTOR. MAIN GROUND COVER SHALL BE MAINTAINED FOR THREE (3) YEARS.
19. UPON EXPIRATION OF THE CONTRACTOR'S ONE YEAR GUARANTEE PERIOD, THE OWNER SHALL BE RESPONSIBLE FOR LANDSCAPE MAINTENANCE INCLUDING WATERING DURING PERIODS OF DROUGHT.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL PLANTING AND LAWNS AGAINST DAMAGE FROM ONGOING CONSTRUCTION. THIS PROTECTION SHALL BEGIN AT THE TIME THE PLANT IS INSTALLED AND CONTINUE UNTIL THE FORMAL ACCEPTANCE OF ALL THE PLANTINGS.
21. PRE-PURCHASE PLANT MATERIALS AND ARRANGE FOR DELIVERY TO MEET PROJECT SCHEDULE AS REQUIRED IT MAY BE NECESSARY TO PRE-DIG CERTAIN SPECIES WELL IN ADVANCE OF ACTUAL PLANTING DATES.
22. ALL LANDSCAPING SHOULD BE COMPLETED PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY. IF THE LANDSCAPING CANNOT BE COMPLETED PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY, THE OWNER SHALL SUBMIT APPROPRIATE SURETY TO COVER THE COMPLETE COST OF PLANTING AND MAINTENANCE OF THE LANDSCAPING UNTIL THE PROJECT IS COMPLETED.
23. A CONSERVATION SEED MIX IS TO BE USED IN DISTURBED WETLAND BUFFER AREAS. MIX IS TO BE 80% HARD FESCUE 20% CHEWING FESCUE FROM NORTHERN NURSERIES, INC. OR EQUAL. CARE MUST BE TAKEN NOT TO SPREAD SEED OR MULCH IN WETLANDS.
24. WEED FREE MULCH IS TO BE USED THROUGHOUT SITE.
25. ALL PERENNIAL PLANTS AND ORNAMENTAL GRASSES WITHIN SNOW STORAGE AREAS SHALL BE CUT BACK IN LATE FALL ON AN ANNUAL BASIS.
26. PLANTINGS PROPOSED WITHIN THE CITY OF ROCHESTER AND NHDOT RIGHT OF WAYS SHALL BE COORDINATED WITH THE CITY OF ROCHESTER AND NHDOT.



**Diagram Labels:**

- BARK MULCH 3" ABOVE CURB (ON WEED BARRIER FABRIC) DO NOT PLACE ANY BARK MULCH AGAINST THE SHRUB TRUNK
- 3" BARK MULCH ON WEED BARRIER FABRIC (MIRAFI MIRASCAPE OR APPROVED EQUAL)
- WIDTH OF PIT SHALL BE 3 TIMES WIDTH OF ROOT BALL (5" MIN IN LEDGE) (SCARIFY AND SLOPE SIDES OF PIT)
- 3" EARTH SAUCER
- PLANTING SOIL MIX TO TOP OF CURB
- 3"
- 1"
- CURB
- BITUMINOUS CONCRETE PAVEMENT 6" MIN. IN EARTH 18" MIN. IN LEDGE
- PLANTING SOIL MIX: DECIDUOUS - FOUR PART TOPSOIL & ONE PART MANURE EVERGREEN - FOUR PARTS TOPSOIL & ONE PART PEAT HUMUS
- COMPACTED SUBGRADE
- TAMPED PLANTING MIX
- UNTIE BURLAP & ROLL BACK 1/3 OF ROOT BALL. IF PLASTIC BURLAP IS USED, REMOVE COMPLETELY.
- CONTAINER GROWN REMOVE CONTAINER
- NURSERY DUG BALL & BURLAP
- CURBED ISLAND CONDITION
- LAWN CONDITION

**NOTE:**  
PLANT AT SAME DEPTH AS PREVIOUSLY PLANTED, OR WITHIN 2" ABOVE.

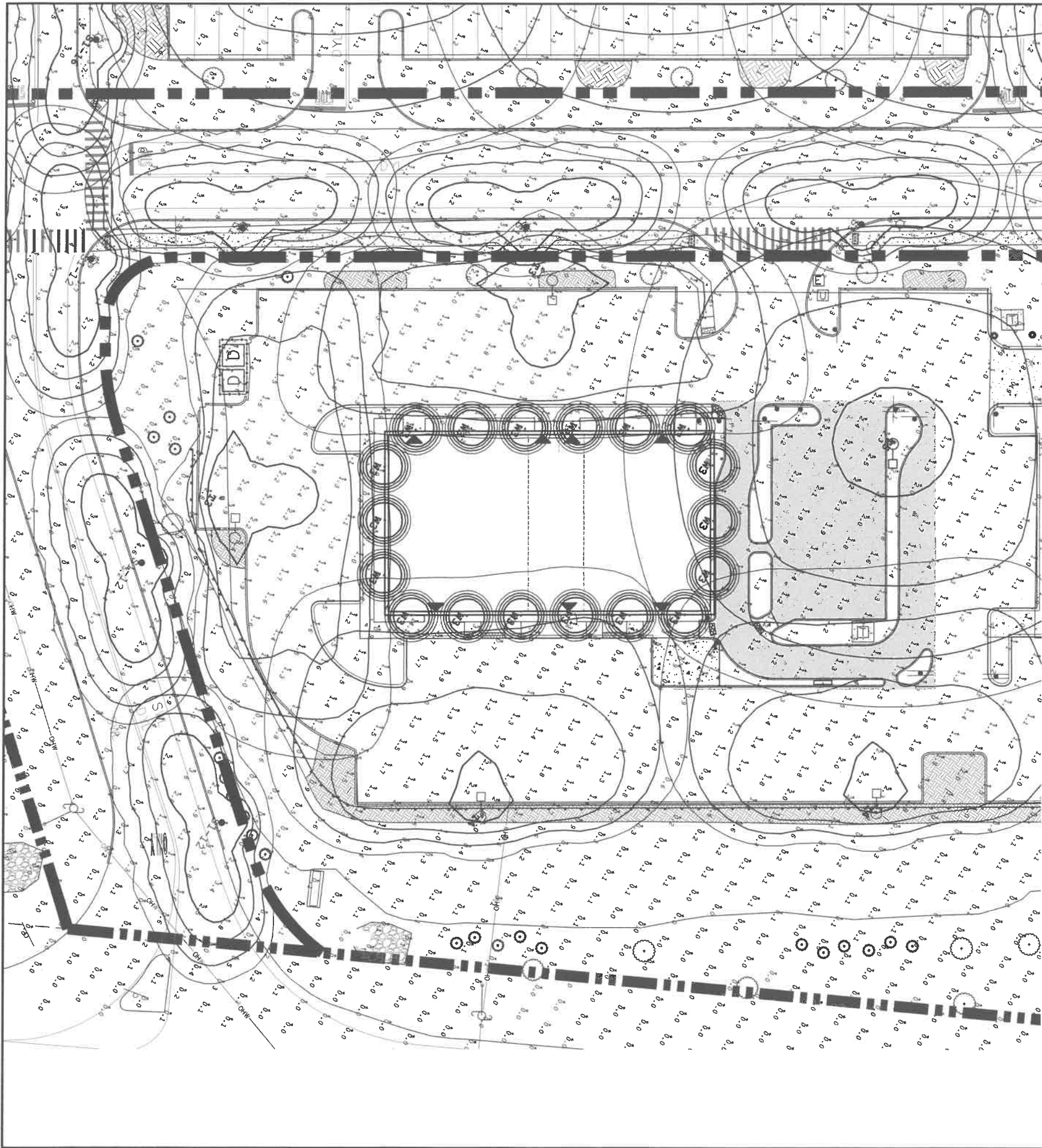
## Rochester, NH

LANDSCAPE PLAN

C-105



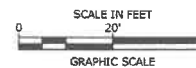
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SAVE DATE: 12/21/2020 12:34 PM  
PLOT DATE: 12/21/2020 12:43 PM



- LEGEND**
- PROPOSED CITY RIGHT OF WAY
  - PROPERTY LINE
  - MATCHLINE
  - EDGE OF WETLAND
  - EXISTING TREE LINE
  - EXISTING STONEWALL
  - FENCE
  - GUARDRAIL
  - PROPOSED PAVEMENT SECTION
  - PROPOSED SIGN
  - POLE BASE
  - PROPOSED BOLLARD

Luminaire Schedule				
Symbol	Qty	Label	Arrangement	Description
●	2	S1	SINGLE	SIQ2-II-64VLED-NW-525/ 16' POLE
●	23	S1-12	SINGLE	SIQ2-II-64VLED-NW-525/ 12' POLE
●	3	S1-12F	SINGLE	SIQ2-II-64VLED-NW-525/ 12' FIBERGLASS POLE
●	24	S1-16	SINGLE	SIQ2-II-64VLED-NW-525/ 16' POLE
●	5	S2-12	BACK-BACK	2-SIQ2-V8Q-64VLED-NW-525/ XAM-2-180/12' POLE
●	2	S3	SINGLE	SIQ2-V8Q-64VLED-NW-525/ 16' AFG
●	11	T3	SINGLE	GLEON-AR-03-LED-E1-SL3/ 30' AFG
●	8	T4	SINGLE	GLEON-AR-03-LED-E1-SL4/ 30' AFG
●	25	T5	SINGLE	GLEON-AR-06-LED-E1-5WQ/ 30' AFG
●	29	W2	SINGLE	XFOR3A
●	162	W3	SINGLE	LSRW6A15D0107E BRCH6A15840 61MIN

**Tighe&Bond**



## THE RIDGE MARKETPLACE

Farmington Road  
(Route 11)

Rochester, NH

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PROJECT NO: R-0195-3		
FILE: R-0195-3.CONST DRIVE THRU.dwg		
DRAWN BY: CML		
CHECKED: PMC		
APPROVED BY: BLM		

PHOTOMETRICS PLAN

SCALE: AS SHOWN

C-106

FILENAME: A:\PROJECTS\ROUTE 11 INVESTMENTS\ROCHESTER, NH\DWG-CAD\CONSTRUCTION\19-0195-1\_DRIVE\_THRU\_DETAILS.DWG  
PLOT DATE: 12/21/2020 10:10 AM  
PLOT DATE: 12/21/2020 12:43 PM

PROJECT NAME AND LOCATION  
THE RIDGE MARKETPLACE  
ROUTE 11 (FARMINGTON ROAD)  
ROCHESTER, NH 03867

DESCRIPTION  
THE PROJECT CONSISTS OF THE CONSTRUCTION OF A COMMERCIAL DEVELOPMENT WITH ASSOCIATED PARKING, DRAINAGE, UTILITIES, LANDSCAPING AND A NEW FRONTAGE ROAD CONSISTENT WITH THE CITY OF ROCHESTER'S MASTER PLAN.

DISTURBED AREA  
THE TOTAL AREA TO BE DISTURBED IS APPROXIMATELY 43.80 ACRES.

SOIL CHARACTERISTICS  
BASED ON SITE SPECIFIC SOIL SURVEY CONDUCTED BY NHSC, INC. THE SITE CONSISTS MAINLY OF MODERATELY TO POORLY DRAINABLE SOILS WITH HYDROLOGIC SOIL GROUPS B, C, AND D.

SEQUENCE OF MAJOR ACTIVITIES  
THE PROJECT IS TO BE MANAGED IN A MANNER THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430:53 AND CHAPTER AGR 3800 RELATIVE TO INVASIVE SPECIES.

- CUT AND CLEAR TREES.
- CONSTRUCT TEMPORARY AND PERMANENT SEDIMENT, EROSION AND DETENTION CONTROL FACILITIES. EROSION, SEDIMENT AND DETENTION MEASURES SHALL BE INSTALLED PRIOR TO ANY EARTH MOVING OPERATIONS THAT WILL INFLUENCE STORMWATER RUNOFF SUCH AS:
  - NEW CONSTRUCTION
  - DEVELOPMENT OF BORROW PIT AREAS
  - DISPOSAL OF SEDIMENT SPOIL, STUMP AND OTHER SOLID WASTE
  - FLOOD PLAIN EXCAVATION WORK
  - STREAM CHANNEL MODIFICATIONS
  - CONTROL OF DUST
  - CONSTRUCTION OF ACCESS AND HAIL ROAD
  - NEARNESS OF CONSTRUCTION SITE TO RECEIVING WATERS
  - CONSTRUCTION DURING LATE WINTER AND EARLY SPRING
- ALL PERMANENT DITCHES, SWALES, DETENTION, RETENTION AND SEDIMENTATION BASINS TO BE STABILIZED USING THE VEGETATIVE AND NON-STRUCTURAL BMPs PRIOR TO DIRECTING RUNOFF TO THEM. CLEAR AND DISPOSE OF DEBRIS.
- CONSTRUCT TEMPORARY CULVERTS AND DIVERSION CHANNELS AS REQUIRED.
- GRADE AND GRAVEL ROADWAYS AND PARKING AREAS - ALL ROADS AND PARKING AREA SHALL BE STABILIZED IMMEDIATELY AFTER THE CONSTRUCTION.
- BEGIN PERMANENT AND TEMPORARY SEEDING AND MULCHING. ALL CUT AND FILL SLOPES SHALL BE SEDED AND MULCHED IMMEDIATELY AFTER THEIR CONSTRUCTION.
- DAILY, OR AS REQUIRED, CONSTRUCT TEMPORARY BERMS, DRAINS, DITCHES, SILT FENCES, SEDIMENT TRAPS, ETC., MULCH AND SEED AS REQUIRED.
- FINISH PAVING ALL ROADWAYS AND PARKING LOTS.
- INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES.
- COMPLETE PERMANENT SEEDING AND LANDSCAPING.
- REMOVE TRAPPED SEDIMENTS FROM COLLECTOR DEVICES AS APPROPRIATE AND THEN REMOVE TEMPORARY EROSION CONTROL MEASURES.

NOTE: THE CONSTRUCTION SEQUENCE MUST LIMIT THE DURATION AND AREA OF DISTURBANCE.

NAME OF RECEIVING WATERS  
THE STORM WATER RUNOFF WILL BE DISCHARGED VIA OVERLAND FLOW TO UNNAMED WETLANDS WHICH ULTIMATELY FLOW TO THE COCHICHEO RIVER.

#### EROSION AND SEDIMENT CONTROLS AND STABILIZATION PRACTICES

- STABILIZATION SHALL BE INITIATED ON ALL LOAM STOCKPILES AND DISTURBED AREAS WHERE CONSTRUCTION ACTIVITY WILL NOT OCCUR FOR MORE THAN TWENTY ONE (21) CALENDAR DAYS BY THE FOURTEENTH (14TH) DAY AFTER CONSTRUCTION ACTIVITY HAS PERMANENTLY OR TEMPORARILY CEASED IN THAT AREA. ALL CUT AND FILL SLOPES AND ROADWAYS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE. STABILIZATION MEASURES TO BE USED INCLUDE:
  - TEMPORARY SEEDING
  - MULCHING
  - STONE RIPRAP
  - LUTE MATTING
- DURING CONSTRUCTION, RUNOFF WILL BE DIVERTED AROUND THE SITE WITH EARTH DIKES, PIPING OR STABILIZED CHANNELS WHERE POSSIBLE. SHEET RUNOFF FROM THE SITE WILL BE FILTERED THROUGH HAYBALE BARRIERS AND SILT FENCES. ALL STORM DRAIN BASIN INLETS SHALL BE PROVIDED WITH FLARED END SECTIONS AND TRASH RACKS. THE SITE SHALL BE STABILIZED FOR THE WINTER BY NOVEMBER 15TH.
- IF AN AREA SHALL BE CONSIDERED STABLE WHEN ONE OF THE FOLLOWING HAS OCCURRED:
  - BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED.
  - A MINIMUM OF 3" OF NON-BROSIVE MATERIAL SUCH AS STONE OR RIPRAP HAS BEEN INSTALLED.
  - A MINIMUM OF 3" OF NON-BROSIVE MATERIAL SUCH AS STONE OR RIPRAP HAS BEEN INSTALLED.
  - EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.

#### WINTER CONSTRUCTION STABILIZATION PRACTICES

- ALL PROPOSED VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING ELSEWHERE. THE INSTALLATION OF EROSION CONTROL 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.
- ALL DITCHES AND SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR DESIGN FLOW CONDITIONS; AND
- AFTER NOVEMBER 15TH, INCOMPLETE ROAD WORK 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.

OFF SITE VEHICLE TRACKING  
THE CONTRACTOR SHALL CONSTRUCT THE STABILIZED CONSTRUCTION ENTRANCE(S) PRIOR TO ANY EXCAVATION ACTIVITIES.

#### INSTALLATION, MAINTENANCE AND INSPECTION PROCEDURES OF EROSION AND SEDIMENT CONTROLS

- GENERAL  
THESE ARE THE GENERAL INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE USED TO IMPLEMENT THE PLAN:
  - ALL DITCHES AND SWALES SHALL BE STABILIZED PRIOR TO DIRECTING FLOW TO THEM.
  - THE SMALLEST PRACTICAL PORTION OF THE SITE WILL BE DENuded AT ONE TIME. UNDER NO CIRCUMSTANCES SHALL MORE THAN 5.0 ACRES OF THE PROJECT SITE BE UNSTABLE AT ONE TIME.
  - ALL CONTROL MEASURES WILL BE INSPECTED AT LEAST ONCE EACH WEEK AND FOLLOWING ANY STORM EVENT OF 1/4 INCH OR GREATER.
  - ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.
  - BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE OR HAYBALE BARRIERS WHEN IT HAS REACHED THE HEIGHT OF THE FENCE OR BALE.
  - ALL DIVERSION DIKES WILL BE INSPECTED AND ANY BREACHES PROMPTLY REPAIRED.
  - TEMPORARY SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND UNHEALTHY GROWTH.
  - A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION.
  - A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC), WILL BE RESPONSIBLE FOR INSPECTIONS AND FILLING OUT THE INSPECTION AND MAINTENANCE REPORT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND REPAIR ACTIVITIES.
  - THE EROSION CONTROL PROCEDURES SHALL CONFORM TO THE "NH STORMWATER MANUAL, VOL. 3, EROSION AND SEDIMENT CONTROLS DURING CONSTRUCTION" PREPARED BY COMPREHENSIVE ENVIRONMENTAL, INC. AND THE NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES.
    - ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES, AND CONDUITS, ETC., SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL CODES OR SPECIFICATIONS.
  - THE USE OF SAND FOR THE PURPOSE OF PEDESTRIAN SAFETY AND SAFE DRIVING CONDITION SHALL BE MINIMIZED.
  - THE OWNER SHALL CLEAN ALL CATCH BASINS, DRAIN MANHOLES AND SWEEP THE PARKING LOT ON AN ANNUAL BASIS.
- FILTREXX SILT SOXK APPLICATION
  - A. FILTREXX SILT SOXK ARE TO BE INSTALLED DOWN SLOPE OF ANY DISTURBED AREA REQUIRING EROSION AND SEDIMENT CONTROL. FILTRATION OF SOLUBLE POLLUTANTS FROM RUNOFF, SILT SOXK ARE EFFECTIVE WHEN INSTALLED PERPENDICULAR TO SHEET OR LOW CONCENTRATED FLOW.
  - 2. INSTALLATION DETAILS
    - A. SILT SOXK USED FOR PERIMETER CONTROL OF SEDIMENT AND SOLUBLE POLLUTANTS IN STORM RUNOFF SHALL MEET FILTREXX SILT SOXK MATERIAL SPECIFICATIONS AND USE CERTIFIED FILTREXX FILTER MEDIA.
    - B. CONTRACTOR IS REQUIRED TO BE FILTREXX CERTIFIED AS DETERMINED BY FILTREXX INTERNATIONAL, LLC. CERTIFICATION SHALL BE CONSIDERED CURRENT IF APPROPRIATE EVIDENCE IS SHOWN DURING TIME OF BID OR AT TIME OF APPLICATION. LOOK FOR THE FILTREXX CERTIFIED SEAL.
    - C. SILT SOXK WILL BE PLACED AT LOCATIONS INDICATED ON PLANS AS DIRECTED BY THE ENGINEER.
    - D. SILT SOXK SHOULD BE INSTALLED PARALLEL TO THE BASE OF THE SLOPE OR OTHER DISTURBED AREA, IN EXTREME CONDITIONS (I.E. 2:1 SLOPES), A SECOND SILT SOXK SHALL BE CONSTRUCTED AT THE TOP OF THE SLOPE.
    - E. STAKES SHALL BE INSTALLED THROUGH THE MIDDLE OF THE SILT SOXK ON 10 FT CENTERS, USING 2 INCH BY 2 INCH BY 3 FEET WOODEN STAKES. IN THE EVENT STAKING IS NOT POSSIBLE, I.E., WHEN SILT SOXK ARE USED ON PAVEMENT, CONCRETE BLOCKS SHALL BE USED BEHIND THE SILT SOXK TO HELP STABILIZE DURING RAINFALL/RUNOFF EVENTS. STAKING DEPTH FOR SAND AND SILT LOAM SOILS SHALL BE 12 INCHES, AND 8 INCHES FOR CLAY SOILS.
    - F. LOOSE COMPOST MAY BE BACKFILLED ALONG THE UPSLOPE SIDE OF THE SILT SOXK, FILLING THE SEAM BETWEEN THE SOIL SURFACE AND THE DEVICE, IMPROVING FILTRATION AND SEDIMENT RETENTION.
    - H. IF THE SILT SOXK IS TO BE LEFT AS A PERMANENT FILTER OR PART OF THE NATURAL LANDSCAPE AT THE END OF THE CONSTRUCTION PERIOD, THE SILT SOXK SHALL BE PERM FILTREXX SILT SOXK ARE NOT TO BE USED IN PERENNIAL, EPHEMERAL, OR INTERMITTENT STREAMS.
    - J. SEE DETAIL FOR CORRECT FILTREXX SILT SOXK INSTALLATION.
- MAINTENANCE
  - A. SILT SOXK BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. THEY SHALL BE REPAIRED IF THERE ARE ANY SIGNS OF EROSION OR SEDIMENTATION BELOW THEM. ANY REQUIRED REPAIRS SHALL BE MADE PROMPTLY. IF THERE ARE SIGNS OF UNDERCUTTING AT THE CENTER OR THE EDGES, OR IMPOUNDING OF LARGE VOLUMES OF WATER BEHIND THEM, SEDIMENT BARRIERS SHALL BE REPLACED WITH A TEMPORARY CHECK DAM.
  - B. SHOULD THE FABRIC ON A SILT SOXK BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL IS NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
  - C. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-THIRD (1/3) THE HEIGHT OF THE BARRIER.
  - D. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT SOXK BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, REPAIRED AND RESEED.

#### C. MULCHING

- TIMING  
IN ORDER FOR MULCH TO BE EFFECTIVE, IT MUST BE IN PLACE PRIOR TO MAJOR STORM EVENTS. THERE ARE TWO (2) TYPES OF STANDARDS WHICH SHALL BE USED TO ASSURE THIS:
  - A. APPLY MULCH PRIOR TO ANY STORM EVENT. IT WILL BE NECESSARY TO CLOSELY MONITOR WEATHER PREDICTIONS, USUALLY BY CONTACTING THE NATIONAL WEATHER SERVICE IN CONCORD, TO HAVE ADEQUATE WARNING OF SIGNIFICANT STORMS.
  - B. REQUIRED MULCHING TIME PERIOD. THE TIME PERIOD CAN RANGE FROM 14 TO 21 DAYS OF INACTIVITY ON A AREA. THE LENGTH OF TIME VARYING WITH SITE CONDITIONS. PROFESSIONAL JUDGMENT SHALL BE USED TO EVALUATE THE INTENTION OF SITE CONDITIONS. SOILERABILITY, SEASON OF YEAR, EXTENT OF DISTURBANCE, PROXIMITY TO SENSITIVE RESOURCES, ETC.) AND THE POTENTIAL IMPACT OF EROSION ON ADJACENT AREAS TO CHOOSE AN APPROPRIATE TIME PERIOD.
- APPLICATION RATE  
MULCH SHALL BE APPLIED AT A RATE OF BETWEEN 1.5 TO 2 TONS PER ACRE, OR 90 TO 100 POUNDS PER 1000 SQUARE FEET. THE MINIMUM MULCH REQUIREMENT, REGARDLESS OF APPLICATION RATE IS THAT SOIL MUST NOT BE VISIBLE.
- GUIDELINES FOR WINTER MULCH APPLICATION:
  - WHEN MULCH IS APPLIED TO PROVIDE PROTECTION OVER WINTER (PAST THE GROWING SEASON) IT SHALL BE AT A RATE OF 6,000 POUNDS OF HAY OR STRAW PER ACRE. A TACKIFIER MAY BE ADDED TO THE MULCH, NO MULCH IS TO BE APPLIED OVER MORE THAN TWO (2) INCHES OF SNOW. IF SNOW DEPTH IS GREATER THAN TWO (2) INCHES IT SHALL BE REMOVED BEFORE MULCHING.
- MAINTENANCE  
ALL MULCHES MUST BE INSPECTED PERIODICALLY, IN PARTICULAR AFTER RAINSTORMS, TO CHECK FOR RILL EROSION. IF LESS THAN 90% OF THE SOIL SURFACE IS COVERED BY MULCH, ADDITIONAL MULCH SHALL BE IMMEDIATELY APPLIED.
- EXCERIOR MATTING  
EXCERIOR MATTING SHALL BE USED IN PLACE OF MULCH ON ALL SLOPES STEEPER THAN 3:1.
- SLOPES  
ALL SLOPES GREATER THAN 15% DURING THE REGULAR CONSTRUCTION SEASON ARE TO HAVE NETTING OVER MULCH OR COMBINATION EROSION CONTROL MAT USED (MULCH AND NET). THIS APPLIES TO ALL SLOPES GREATER THAN 8% AFTER OCTOBER 1. MULCHING IS REQUIRED OVER HYDROSEEDING.
- TEMPORARY GRASS COVER
  - 1. SEEDING PREPARATION  
APPLY FERTILIZER AT THE RATE OF 600 POUNDS PER ACRE OF 10-10-10; APPLY LIMESTONE (EQUIVALENT TO 50 PERCENT CALCIUM PLUS MAGNESIUM OXIDE) AT A RATE OF THREE (3) TONS PER ACRE.
  - 2. SEEDING
    - A. UTILIZE ANNUAL RYE GRASS AT A RATE OF 40 LBS/ACRE.
    - B. WHERE THE SOIL HAS BEEN COMPACTED BY CONSTRUCTION OPERATIONS, LOOSEN SOIL TO A DEPTH OF TWO (2) INCHES BEFORE APPLYING FERTILIZER, LIME AND SEED.
    - C. APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, OR HYDROSEEDER (SLURRY INCLUDING SEED AND FERTILIZER). HYDROSEEDING, WHICH INCLUDE MULCH, MAY BE LEFT ON SOIL SURFACE. SEEDING RATES MUST BE INCREASED 10% WHEN HYDROSEEDING.
  - 3. MAINTENANCE  
TEMPORARY SEEDINGS SHALL BE PERIODICALLY INSPECTED. AT A MINIMUM, 99% OF THE SOIL SURFACE SHOULD BE COVERED BY VEGETATION. IF ANY EVIDENCE OF EROSION OR SEDIMENTATION IS APPARENT, REPAIRS SHALL BE MADE AND OTHER TEMPORARY MEASURES USED IN THE INTERIM (MULCH, FILTER BARRIERS, CHECK DAMS, ETC.).
- PERMANENT MULCHING
  - 1. TIMING
    - A. APPLYING PLANT RESIDUES OR OTHER SUITABLE MATERIALS THAT RESIST DECOMPOSITION SUCH AS WOOD CHIPS OR CRUSHED STONE TO THE SOIL SURFACE WHERE VEGETATION STABILIZATION IS EITHER IMPRACTICAL OR DESIRED.
    - B. WINTER STABILIZATION SHALL MEET OR EXCEED THE FOLLOWING REQUIREMENTS.
  - 2. CONSIDERATIONS
    - A. PERMANENT MULCHING SHALL BE USED TO STABILIZE CHRONIC EROSION AREAS WHICH RECEIVE HEAVY FOOT OR VEHICLE TRAFFIC. NOT INTENDED FOR AREAS OF CONCENTRATED FLOWS.
    - B. IF WOOD CHIPS ARE USED IN LANDSCAPED AREAS (TREES & SHRUBS), A SUPPLEMENTAL APPLICATION OF CHEMICAL FERTILIZER SHOULD BE APPLIED AT A RATE OF TWO POUNDS OF 5-10-5 PER 100 SQUARE FEET OF MULCH.
    - C. IF CRUSHED STONE IS USED, A PLASTIC FILTER CLOTH SHALL BE PLACED BETWEEN THE GROUND AND THE STONE.
  - 3. SPECIFICATIONS
    - A. WOOD CHIPS OR AGGREGATE SHALL BE USED ON SLOPES NO STEEPER THAN 3 HORIZONTALLY ON 1 VERTICALLY.
    - B. PERMANENT MULCH SHALL BE 3 INCHES OR MORE IN DEPTH.
    - C. WOOD CHIPS SHALL BE APPLIED AT A RATE OF 500-900 POUNDS PER 1,000 SQUARE FEET OR 10-20 TONS PER ACRE. WOOD CHIPS SHALL BE GREEN OR AIR-DRIED AND FREE OF OBJECTIONABLE COARSE MATERIALS.
    - D. AGGREGATE COVER (GRAVEL, CRUSHED STONE OR SLACK) SHALL BE WASHED, 1/4 INCH TO 2 1/2 INCHES AND APPLIED AT A RATE OF 9 CUBIC YARDS PER 1,000 SQUARE FEET.
  - 4. MAINTENANCE
    - A. WOOD CHIPS SHALL BE MONITORED FOR DECOMPOSITION AND NEW APPLICATIONS MADE.
    - B. CRUSHED STONE SHALL BE MONITORED FOR WASH OUT AND SLIPPING DOWN SLOPE. IF EITHER OCCUR, NEW MATERIAL SHALL BE PROVIDED ON THE BARREN AREAS.
- VEGETATIVE PRACTICE
  - 1. FOR PERMANENT MEASURES AND PLANTINGS.
    - A. LIMESTONE SHALL BE INCORPORATED INTO THE LOAM LAYER AT A RATE OF 3 TONS PER ACRE IN ORDER TO PROVIDE A PH VALUE OF 5.5 TO 6.5.
    - B. FERTILIZER SHALL BE SPREAD ON THE TOP LAYER OF LOAM AND WORKED INTO THE SURFACE. FERTILIZER APPLICATION RATES SHALL BE LIMITED TO LIME, WOOD ASH, OR LOW PHOSPHATE AND SLOW RELEASE NITROGEN VARIETIES, UNLESS A SOIL TEST WARRANTS OTHERWISE.
    - C. SOIL CONDITIONERS AND FERTILIZER SHALL BE APPLIED AT THE RECOMMENDED RATES AND SHALL BE THOROUGHLY WORKED INTO THE LOAM. LOAM SHALL BE RAKED UNTIL THE SURFACE IS FINELY MULCHIZED, SMOOTH AND EVEN, AND THE TOP LAYER OF LOAM IS COMPACTED TO AN EVEN SURFACE CORRESPONDING TO THE REQUIRED LINES GRADUES WITH APPROVED ROLLERS WEIGHING BETWEEN 4-1/2 POUNDS AND 5-1/2 POUNDS PER INCH OF WIDTH.
    - D. SEED SHALL BE SHOWN BLOWN, SOWING SHALL BE DONE ON A CALM, DRY DAY, PREFERABLY BY MACHINE, BUT IF BY HAND, ONLY BY EXPERIENCED WORKMEN. IMMEDIATELY BEFORE SEEDING, THE SOIL SHALL BE LIGHTLY RAKED. ONE HALF THE SEED SHALL BE SOWN IN ONE DIRECTION AND THE OTHER HALF IN THE OPPOSITE DIRECTION. IT SHALL BE LIGHTLY RAKED IN THE SOIL TO A DEPTH NOT OVER 1/4 INCH AND ROLLED WITH A HAND ROLLER WEIGHING NOT OVER 100 POUNDS PER LINEAR FOOT OF WIDTH.
    - E. HAY MULCH, IMMEDIATELY AFTER SEEDING AS INDICATED ABOVE.
    - F. THE SURFACE SHALL BE WATERED AND KEPT MOIST WITH A FINE SPRAY AS REQUIRED, WITHOUT WASHING AWAY THE SOIL UNTIL THE GRASS IS WELL ESTABLISHED. ANY AREAS WHICH ARE NOT SATISFACTORILY COVERED WITH GRASS SHALL BE RESEEDED, AND ALL NOXIOUS WEEDS REMOVED.
    - G. THE CONTRACTOR SHALL PROTECT AND MAINTAIN THE SEEDING AREAS UNTIL ACCEPTED.
    - H. A GRASS SEED MIXTURE CONTAINING THE FOLLOWING SEED REQUIREMENTS SHALL BE APPLIED AT THE INDICATED RATE:

GENERAL COVER	SEEDING RATE POUNDS PER ACRE
KEEPING RED PEGUOSE	50 LBS/ACRE
KENTUCKY BLUEGRASS	100 LBS/ACRE
PERENNIAL RYE GRASS	50 LBS/ACRE
    - I. IN NO CASE SHALL THE WEED CONTENT EXCEED 1 PERCENT BY WEIGHT. ALL SEED SHALL COMPLY WITH STATE AND FEDERAL SEED LAWS. SEEDING SHALL BE DONE NO LATER THAN SEPTEMBER 15. IN NO CASE SHALL SEEDING TAKE PLACE OVER SNOW.
  - 2. DORMANT SEEDING (SEPTEMBER 15 TO FIRST SNOWFALL)  
FOLLOW PERMANENT MEASURES FOR SEED, LIME, FERTILIZER AND GRADING REQUIREMENTS. APPLY SEED MIXTURE AT TWICE THE INDICATED RATE. APPLY MULCH AS INDICATED FOR PERMANENT MEASURES.
- STORM DRAIN INLET PROTECTION
  - 1. SILT SACK  
A SACK SHALL BE INSTALLED WITHIN CATCHBASIN, MAKING SURE EMPTY STRAPS ARE LAID FLAT OUTSIDE THE BASIN.
    - A. SACK SHALL FIT TIGHTLY WITHIN THE BASIN TO PREVENT SEDIMENT FROM GOING THROUGH ANY GAPS.
    - B. ALL STRUCTURES SHOULD BE INSPECTED AFTER EVERY RAINSTORM AND REPAIRS MADE AS NECESSARY.
    - C. SEDIMENT SHOULD BE REMOVED FROM THE DEVICES AFTER THE SEDIMENT HAS REACHED A MAXIMUM OF ONE-THIRD THE DEPTH OF THE TRAP.
    - E. SILT SACK SHALL BE REMOVED UPON THE COMPLETION OF PROJECT.
  - 2. STABILIZED CONSTRUCTION ENTRANCE
    - 1. SPECIFICATIONS
      - A. AGGREGATE SIZE: USE TWO (2) INCHES STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
      - B. AGGREGATE THICKNESS: NOT LESS THAN SIX (6) INCHES.
      - C. WIDTH: TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH OF POINTS WHERE INGRESS OR EGRESS OCCURS.
      - D. LENGTH: AS REQUIRED, BUT NOT LESS THAN FIFTY (50) FEET.
      - E. GEOTEXTILE: TO BE PLACED OVER THE ENTIRE AREA TO BE COVERED WITH AGGREGATE. PIPING OF SURFACE WATER UNDER ENTRANCE SHALL BE BACKFILLED AGAINST THE BARRIER. BACKFILL SOIL SHALL CONFORM TO THE GROUND LEVEL ON THE DOWNHILL SIDE AND SHALL BE BUILT UP TO FOUR (4) INCHES AGAINST THE UPHILL SIDE OF THE BARRIER. IDEALLY, BALES SHOULD BE PLACED TEN (10) FEET AWAY FROM THE TOE OF THE BARRIER.
      - D. EACH BALE SHALL BE SECURELY ANCHORED BY AT LEAST TWO (2) STAKES OR REBARS DRIVEN THROUGH THE BALE. THE FIRST SAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE TO FORCE THE BALES TOGETHER. STAKES OR REBARS SHALL BE DRIVEN DEEP ENOUGH INTO THE GROUND TO SECURELY ANCHOR THE BALES.
      - E. THE GAPS BETWEEN BALES SHALL BE CHINKED (FILLED BY WEDGING) WITH STRAW/HAY TO PREVENT WATER FROM ESCAPING BETWEEN THE BALES.
      - F. ALL STRUCTURES SHOULD BE INSPECTED AFTER EVERY RAINSTORM AND REPAIRS MADE AS NECESSARY.
      - G. SEDIMENT SHOULD BE REMOVED FROM THE DEVICES AFTER THE SEDIMENT HAS REACHED A MAXIMUM OF ONE-THIRD THE DEPTH OF THE TRAP.
      - H. HAYBALES SHOULD BE REMOVED AND THE AREA REPAIRED AS SOON AS THE CONTRIBUTING DRAINAGE AREA TO THE INLET HAS BEEN COMPLETELY STABILIZED

#### TIMING OF CONTROLS/MEASURES

THE MAXIMUM AREA TO BE DISTURBED AT ONE TIME SHALL BE KEPT UNDER FIVE (5) ACRES. A PHASING PLAN DESCRIBING THE AREAS TO BE DISTURBED SHALL BE SUBMITTED TO THE DESIGN ENGINEER AND NHAES. AN INDEPENDENT MONITORING COMPANY SHALL BE HIRED BY THE CONTRACTOR TO MONITOR ALL EROSION CONTROL DEVICES.

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES THE EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO COMMENCING ANY CLEARING OR CUTTING OF THE SITE. STRUCTURE CONTROLS SHALL BE INSTALLED CONCURRENTLY WITH THE APPLICABLE ACTIVITY. AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN TWENTY ONE (21) DAYS WILL BE STABILIZED WITH A TEMPORARY SEED AND MULCH WITHIN FORTY EIGHT (48) HOURS OF THE LAST DISTURBANCE. AREAS WHERE CONSTRUCTION ACTIVITY PERMANENTLY OR TEMPORARILY CEASES WITHIN 100 FEET OF ANY WETLAND OR STREAM, THE AREA SHALL BE STABILIZED WITHIN 7 DAYS OR PRIOR TO A RAIN EVENT. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, SLOPE BARRIERS AND ANY EARTH/DIKES WILL BE REMOVED ONCE PERMANENT MEASURES ARE ESTABLISHED.

#### WASTE DISPOSAL

- WASTE MATERIALS  
ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN SECURELY LIDDED RECEPTACLES. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN A DUMPSTER. NO CONSTRUCTION WASTE MATERIALS WILL BE BURIED ON SITE. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL BY THE SUPERINTENDENT.
- HAZARDOUS WASTE  
ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR MANUFACTURER. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES BY THE SUPERINTENDENT.
- SANITARY WASTE  
ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONCE PER WEEK BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR.

#### SPILL PREVENTION

A. MATERIAL MANAGEMENT PRACTICES  
THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES DURING CONSTRUCTION TO STORMWATER RUNOFF:

- GOOD HOUSEKEEPING:
  - 1. THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ON SITE DURING THE CONSTRUCTION PROJECT:
    - A. AN EFFORT WILL BE MADE TO STORE ONLY SUFFICIENT AMOUNTS OF PRODUCTS TO DO THE JOB.
    - B. ALL MATERIALS STORED ON SITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR PROPER (ORIGINAL IF POSSIBLE) CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
    - C. MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.
    - D. THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS.
    - E. SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
    - F. WHENEVER POSSIBLE ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.
  - 2. HAZARDOUS PRODUCTS:
    - 1. THE FOLLOWING PRACTICES WILL BE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS:
      - A. PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.
      - B. ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED FOR IMPORTANT PRODUCT INFORMATION.
      - C. SURPLUS PRODUCT THAT MUST BE DISPOSED OF WILL BE DISCARDED ACCORDING TO THE MANUFACTURER'S RECOMMENDED METHODS OF DISPOSAL.
    - 2. PRODUCT SPECIFICATION PRACTICES  
THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ON SITE:
      - 1. ALL ON SITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT BASED SUBSTANCES USED ON SITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
      - 2. FERTILIZERS  
FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS DIRECTED BY THE SPECIFICATIONS. ONCE APPLIED FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORMWATER. STORAGE WILL BE IN A COVERED SHED OR ENCLOSED TRAILERS. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.
      - 3. PAINTS:
        - A. CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE DISPOSED OF PROPERLY ACCORDING TO MANUFACTURER'S INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.
  - 3. SPILL CONTROL PRACTICES  
IN ADDITION TO GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTION THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:
    - 1. MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.
    - 2. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ON SITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUSTPANS, HOPS, RAGS, GLOVES, SAND, SAWDUST AND PLASTIC OR METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.
    - 3. ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
    - 4. THE SPILL AREA WILL BE KEPT WED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
    - 5. SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE.
    - 6. THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM RECURRING AND HOW TO CLEANUP THE SPILL IF IT RECURS. A DESCRIPTION OF THE SPILL, ITS CAUSE, AND THE CLEANUP MEASURES WILL BE INCLUDED IN THE SPILL PREVENTION PLAN.
    - 7. THE SITE SUPERINTENDENT RESPONSIBLE FOR DAY-TO-DAY SITE OPERATIONS WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR.
    - 8. THE FUELING AND MAINTENANCE PRACTICES:
      - 1. EFFORTS SHOULD BE MADE TO PERFORM EQUIPMENT/VEHICULAR FUELING AND MAINTENANCE AT AN OFF-SITE FACILITY.
      - 2. CONTRACTOR SHALL PROVIDE AN ON-SITE FUELING AND MAINTENANCE AREA THAT IS CLEAN AND DRY.
      - 3. IF POSSIBLE KEEP AREA COVERED.
      - 4. KEEP A SPILL KIT AT THE FUELING AND MAINTENANCE AREA.
      - 5. VEHICLES SHALL BE INSPECTED REGULARLY FOR LEAKS AND DAMAGE.
      - 6. USE DRIP PANS, DRIP CLOTHS, OR ABSORBENT PADS WHEN REPLACING SPENT FLUID.

#### DUST CONTROL

THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTROL DUST THROUGHOUT THE CONSTRUCTION PERIOD. DUST CONTROL MEASURES SHALL BE LIMITED TO SPRINKLING WATER ON EXPOSED AREAS, COVERING LOADED DUMP TRUCKS LEAVING THE SITE, AND TEMPORARY MULCHING. DUST CONTROL MEASURES SHALL BE UTILIZED SO AS TO PREVENT THE MIGRATION OF DUST FROM THE SITE TO ADJUTING AREAS.

#### CONCRETE WASHOUT AREA

- THE CONCRETE CONTRACTOR SHOULD BE ENCOURAGED WHERE POSSIBLE, TO USE WASHOUT FACILITIES AT THEIR OWN PLANT OR DISPATCH FACILITY.
- IF IT IS NECESSARY, THE CONTRACTOR SHALL DESIGNATE SPECIFIC WASHOUT AREAS AND DESIGN FACILITIES TO HANDLE ANTICIPATED WASHOUT WATER.
- WASHOUT AREAS SHOULD ALSO BE PROVIDED FOR PAINT AND STUCCO OPERATIONS.
- ATTEMPTS SHOULD BE MADE TO LOCATE WASHOUT AREA AT LEAST 50 YARDS AWAY FROM STORM DRAINS AND WATER WAYS WHENEVER POSSIBLE.
- INSPECT WASHOUT FACILITIES DAILY TO DETECT LEAKS OR TEARS AND TO IDENTIFY WHEN MATERIALS NEED TO BE REMOVED.

#### ALLOWABLE NON-STORMWATER DISCHARGES

- DISCHARGES FROM FIRE-FIGHTING ACTIVITIES
- FIRE HYDRANT FLUSHINGS
- WATERS USED TO WASH VEHICLES WHERE DETERGENTS ARE NOT USED
- WATER USED TO CONTROL DUST
- POTABLE WATER INC. UNCONTAMINATED WATER LINE FLUSHINGS
- ROUTINE EXTERNAL BUILDING WASH DOWN -NO DETERGENTS
- PAVEMENT WASH WATERS -NO SPILLS OR DETERGENTS
- UNCONTAMINATED AIR CONDITIONING/COMPRESSOR CONDENSATE
- UNCONTAMINATED GROUND WATER OR SPRING WATER
- FOUNDATION OR FOOTING DRAINS -NO CONTAMINATED
- UNCONTAMINATED EXCAVATION DEWATERING
- LANDSCAPE IRRIGATION

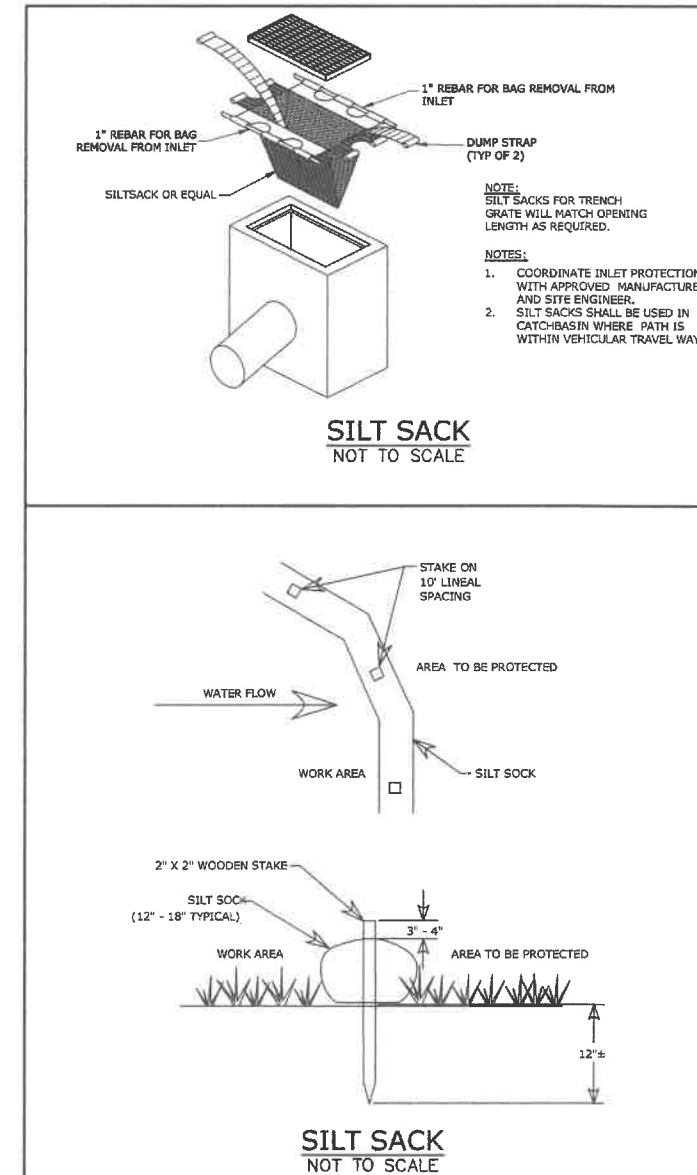
#### BLASTING NOTES

- IF MORE THAN 5000 CUBIC YARDS ARE TO BE BLASTED: IDENTIFY DRINKING WATER WELLS LOCATED WITHIN 2000 FEET OF THE PROPOSED BLASTING ACTIVITIES. DEVELOP A GROUNDWATER QUALITY SAMPLING PROGRAM TO MONITOR FOR NITRATE AND NITRITE EITHER IN THE DRINKING WATER SUPPLY WELLS OR IN OTHER WELLS THAT ARE REPRESENTATIVE OF THE DRINKING WATER SUPPLY WELLS IN THE AREA. THE PLAN MUST INCLUDE PRE AND POST BLAST WATER QUALITY MONITORING AND BE APPROVED BY NHDOS PRIOR TO INITIATING BLASTING. THE GROUNDWATER SAMPLING PROGRAM MUST BE IMPLEMENTED ONCE APPROVED BY NHDOS.

- THE FOLLOWING BEST MANAGEMENT PROCEDURES FOR BLASTING SHALL BE COMPLIED WITH:

- LOADING PRACTICES  
THE FOLLOWING BLASTHOLE LOADING PRACTICES TO MINIMIZE ENVIRONMENTAL EFFECTS SHALL BE FOLLOWED:
  - (1) DRILLING LOGS SHALL BE MAINTAINED BY THE DRILLER AND COMMUNICATED DIRECTLY TO THE BLASTER. THE LOGS SHALL INDICATE DEPTHS AND LENGTHS OF VOIDS, CAVITIES, AND FAULT ZONES OR OTHER WEAK ZONES ENCOUNTERED AS WELL AS GROUNDWATER CONDITIONS.
  - (2) EXPLOSIVE PRODUCTS SHALL BE MANAGED ON-SITE SO THAT THEY ARE EITHER USED IN THE BOREHOLE, RETURNED TO THE DELIVERY VEHICLE, OR PLACED IN SECURE CONTAINERS FOR OFF-SITE DISPOSAL.
  - (3) SPILLAGE AROUND THE BOREHOLE SHALL EITHER BE PLACED IN THE BOREHOLE OR CLEANED UP AND RETURNED TO AN APPROPRIATE VEHICLE FOR HANDLING OR PLACEMENT IN SECURED CONTAINERS FOR OFF-SITE DISPOSAL.
  - (4) LOADED EXPLOSIVES SHALL BE DETONATED AS SOON AS POSSIBLE AND SHALL NOT BE LEFT IN THE BLASTHOLES OVERTNIGHT, UNLESS WEATHER OR OTHER SAFETY CONCERNS REASONABLY DICTATE THAT DETONATION SHOULD BE POSTPONED.
  - (5) LOADING EQUIPMENT SHALL BE CLEANED IN AN AREA WHERE WASTEWATER CAN BE PROPERLY REMOVED AND HANDLED IN A MANNER THAT PREVENTS RELEASE OF CONTAMINANTS TO THE ENVIRONMENT.
  - (6) EXPLOSIVES SHALL BE LOADED TO MAINTAIN GOOD CONTINUITY IN THE COLUMN LOAD TO PROMOTE COMPLETE DETONATION. INDUSTRY ACCEPTED LOADING PRACTICES FOR PRIMING, STEMMING, DECKING AND COLUMN RISE NEED TO BE ATTENDED TO.

- EXPLOSIVE SELECTION.  
THE FOLLOWING BMPs SHALL BE FOLLOWED TO REDUCE THE POTENTIAL FOR GROUNDWATER CONTAMINATION WHEN EXPLOSIVES ARE USED:
  - (1) EXPLOSIVE PRODUCTS SHALL BE SELECTED THAT ARE APPROPRIATE FOR SITE CONDITIONS AND SAFE BLAST EXECUTION.
  - (2) EXPLOSIVE PRODUCTS SHALL BE SELECTED THAT HAVE THE APPROPRIATE WATER RESISTANCE FOR THE SITE CONDITIONS PRESENT TO MINIMIZE THE POTENTIAL FOR HAZARDOUS EFFECT OF THE PRODUCT UPON GROUNDWATER.
- PREVENTION OF MISFIRES. APPROPRIATE PRACTICES SHALL BE DEVELOPED AND IMPLEMENTED TO PREVENT MISFIRES.
- MUCK PILE MANAGEMENT.  
MUCK PILES (THE BLASTED PIECES OF ROCK) AND ROCK PILES SHALL BE MANAGED IN A MANNER TO REDUCE THE POTENTIAL FOR CONTAMINATION BY IMPLEMENTING THE FOLLOWING MEASURES:
  - (1) REMOVE THE MUCK PILE FROM THE BLAST AREA AS SOON AS REASONABLY POSSIBLE.
  - (2) MANAGE THE INTERACTION OF BLASTED ROCK PILES AND STORMWATER TO PREVENT CONTAMINATION OF WATER SUPPLY WELLS OR SURFACE WATER.
- SPILL PREVENTION MEASURES AND SPILL MITIGATION.  
SPILL PREVENTION AND SPILL MITIGATION MEASURES SHALL BE IMPLEMENTED TO PREVENT THE RELEASE OF FUEL AND OTHER RELATED SUBSTANCES TO THE ENVIRONMENT. THE MEASURES SHALL INCLUDE AT A MINIMUM:
  - (1) THE FUEL STORAGE REQUIREMENTS SHALL INCLUDE:
    - a. STORAGE OF REGULATED SUBSTANCES ON AN IMPERVIOUS SURFACE;
    - b. SECURE STORAGE AREAS AGAINST UNAUTHORIZED ENTRY;
    - c. LABEL REGULATED CONTAINERS CLEARLY AND VISIBLY;
    - d. INSPECT STORAGE AREAS WEEKLY;
    - e. COVER REGULATED CONTAINERS IN OUTSIDE STORAGE AREAS;
    - f. WHEREVER POSSIBLE, KEEP REGULATED CONTAINERS THAT ARE STORED OUTSIDE MORE THAN 50 FEET FROM SURFACE WATER AND STORM DRAINS, 75 FEET FROM PRIVATE WELLS, AND 400 FEET FROM PUBLIC WELLS; AND
  - (2) THE FUEL HANDLING REQUIREMENTS SHALL INCLUDE:
    - a. EXCEPT WHEN IN USE, KEEP CONTAINERS CONTAINING REGULATED SUBSTANCES CLOSED AND SEALED;
    - b. PLACE DRIP PANS UNDER SPIGOTS, VALVES, AND PUMPS;
    - c. HAVE SPILL CONTROL AND CONTAINMENT EQUIPMENT READILY AVAILABLE IN ALL WORK AREAS;
    - d. USE FUNNELS AND DRIP PANS WHEN TRANSFERRING REGULATED SUBSTANCES; AND
    - e. PERFORM TRANSFERS OF REGULATED SUBSTANCES OVER AN IMPERVIOUS SURFACE.
  - (3) THE TRAINING OF ON-SITE EMPLOYEES AND THE ON-SITE POSTING OF RELEASE RESPONSE INFORMATION DESCRIBING WHAT TO DO IN THE EVENT OF A SPILL OF REGULATED SUBSTANCES.
  - (4) FUELING AND MAINTENANCE OF EXCAVATION, EARTHMOVING AND OTHER CONSTRUCTION RELATED EQUIPMENT WILL COMPLY WITH THE REGULATIONS OF THE NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES (NHDOS). THESE REQUIREMENTS ARE SUMMARIZED IN WD-DWG-22-6 BEST MANAGEMENT PRACTICES FOR FUELING AND MAINTENANCE OF EXCAVATION AND EARTHMOVING EQUIPMENT OR ITS SUCCESSOR DOCUMENT. (SEE [HTTP://DCES.NH.GOV/ORGANIZATION/COMMISSIONER/PIP/FACTSHEETS/DWGS/DOCUMENTS/DWGB-22-6.PDF](http://dces.nh.gov/organization/commissioner/pip/factsheets/dwgs/documents/dwgb-22-6.pdf))



Tighe&Bond



## THE RIDGE MARKETPLACE

Farmington Road  
(Route 11)

Rochester, NH

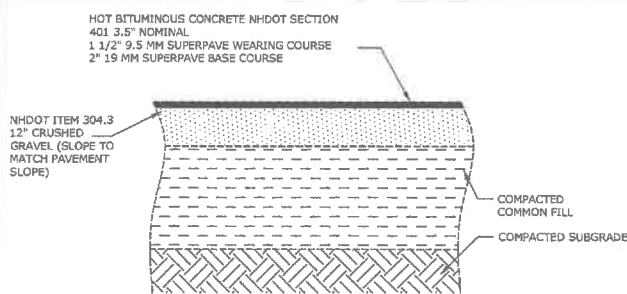
EROSION CONTROL NOTE &  
DETAILS SHEET

SCALE: AS SHOWN

C-501

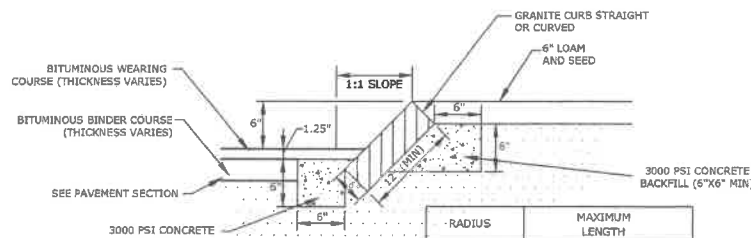


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SAVE DATE: 12/21/2020 10:10 AM  
PLOT DATE: 12/21/2020 12:43 PM



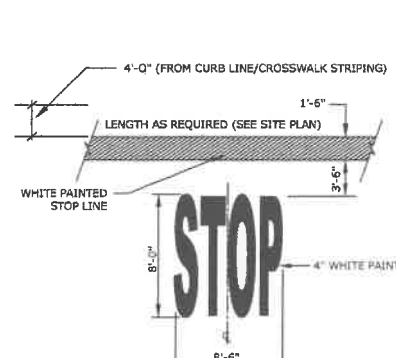
- NOTE:
1. SEE SITE PLAN FOR PAVEMENT WIDTH AND LOCATION.
  2. SEE GRADING, DRAINAGE AND EROSION CONTROL PLAN FOR PAVEMENT SLOPE AND CROSS-SLOPE.
  3. A TACK COAT SHALL BE PLACED ON TOP OF BINDER COURSE PAVEMENT PRIOR TO PLACING WEARING COURSE.
  4. THIS DETAIL IS FOR PLANNING PURPOSES ONLY. FINAL PAVEMENT DESIGN SHOULD BE BASED ON THE RECOMMENDATIONS OF A GEOTECHNICAL ENGINEER AFTER A SITE INVESTIGATION.

**STANDARD DUTY PAVEMENT SECTION**  
NOT TO SCALE



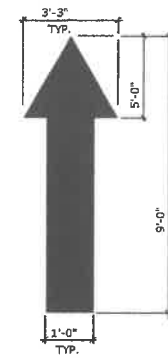
- NOTES:
1. SEE SITE PLAN FOR LIMITS OF CURBING.
  2. ADJOINING STONES OF STRAIGHT CURB LAID ON CURVES SHALL HAVE THE SAME OR APPROXIMATELY THE SAME LENGTH.
  3. MINIMUM LENGTH OF STRAIGHT CURB STONES = 18 INCHES.
  4. MAXIMUM LENGTH OF STRAIGHT CURB STONES = 8 FEET.
  5. MAXIMUM LENGTH OF STRAIGHT CURB STONES LAID ON CURVES - SEE CHART.
  6. JOINTS BETWEEN STONES SHALL BE MORTARED.

**SLOPED GRANITE CURB**  
NOT TO SCALE



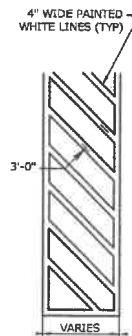
- NOTE:
1. PAVEMENT MARKINGS TO BE INSTALLED IN LOCATIONS AS SHOWN ON SITE PLAN.

**STOP BAR AND LEGEND**  
NOT TO SCALE



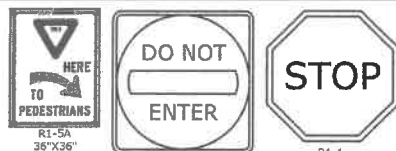
- NOTE:
1. ARROWS SHALL BE CONSTRUCTED USING FAST DRYING TRAFFIC PAINT, MEETING THE REQUIREMENTS OF AASHTO M248-TYPE F. PAINT SHALL BE APPLIED AS SPECIFIED BY MANUFACTURER.

**PAINTED TRAFFIC ARROW**  
NOT TO SCALE



- NOTE:
1. ALL PAINT SHALL BE FAST DRYING TRAFFIC PAINT, MEETING THE REQUIREMENTS OF AASHTO M248-TYPE F. PAINT SHALL BE APPLIED AS SPECIFIED BY MANUFACTURER.

**PAINTED ISLAND**  
NOT TO SCALE

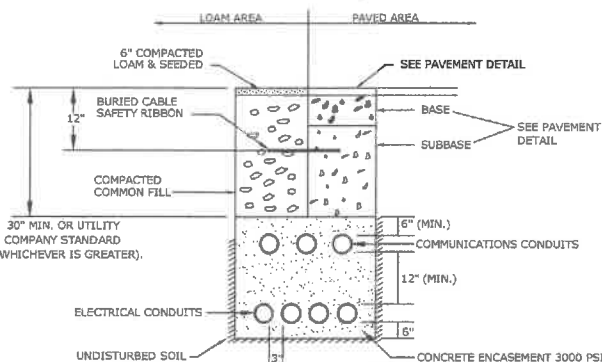


LENGTH: AS REQUIRED  
WEIGHT PER LINEAR FOOT: 2.50 LBS (MIN.)  
HOLES: 3/8\"/>

FINISH: SHALL BE PAINTED WITH TWO COATS OF AN APPROVED MEDIUM GREEN BAKED ON OR DRIED 1/3 POST HEIGHT PAINT OF WEATHER RESISTANT QUALITY. ALL FABRICATION SHALL BE COMPLETE BEFORE PAINTING.

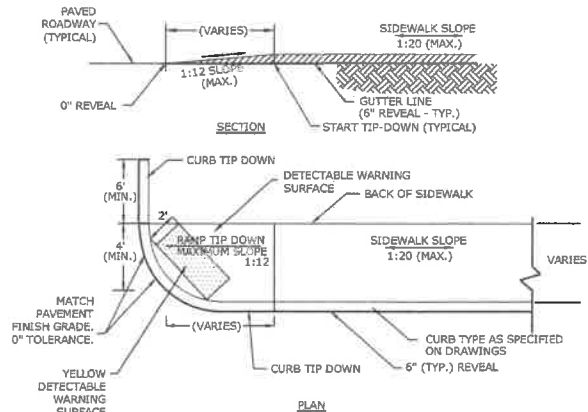
NOTE: ALL SIGNS TO BE CONSTRUCTED PER THE LATEST EDITION OF THE FHWA STANDARD HIGHWAY SIGNS MANUAL AND INSTALLED AS INDICATED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.

**SIGN LEGEND & SIGN POST**  
NOT TO SCALE

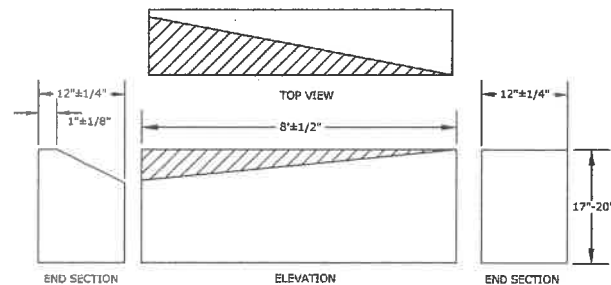


- NOTES:
1. NUMBER, MATERIAL & SIZE OF UTILITY CONDUITS TO BE DETERMINED BY LOCAL UTILITY OR AS SHOWN ON ELECTRICAL DRAWINGS. CONTRACTOR TO PROVIDE ONE SPARE CONDUIT FOR EACH UTILITY TO BUILDING. CONDUITS TO BE ENCASED IN CONCRETE.
  2. DIMENSIONS SHOWN REPRESENT OWNERS MINIMUM REQUIREMENTS. ACTUAL DIMENSIONS MAY BE GREATER BASED ON UTILITY COMPANY STANDARDS, BUT SHALL NOT BE LESS THAN THOSE SHOWN.
  3. NO CONDUIT RUN SHALL EXCEED 360 DEGREES IN TOTAL BENDS.
  4. A SUITABLE PULLING STRING, CAPABLE OF 200 POUNDS OF PULL, MUST BE INSTALLED IN THE CONDUIT BEFORE UTILITY COMPANY IS NOTIFIED TO INSTALL CABLE. THE STRING SHOULD BE BLOWN INTO THE CONDUIT AFTER THE RUN IS ASSEMBLED TO AVOID BONDING THE STRING TO THE CONDUIT.
  5. UTILITY COMPANY MUST BE GIVEN THE OPPORTUNITY TO INSPECT THE CONDUIT PRIOR TO BACKFILL. THE CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS SHOULD THE UTILITY COMPANY BE UNABLE TO INSTALL ITS CABLE IN A SUITABLE MANNER.
  6. ALL CONDUIT INSTALLATIONS MUST CONFORM TO THE CURRENT EDITION OF THE NATIONAL ELECTRIC SAFETY CODE, STATE AND LOCAL CODES AND ORDINANCES, AND WHERE APPLICABLE, THE NATIONAL ELECTRIC CODE.
  7. ALL 90° SWEEPS WILL BE MADE USING RIGID GALVANIZED STEEL. SWEEPS WITH A 36 TO 48 INCH RADIUS.

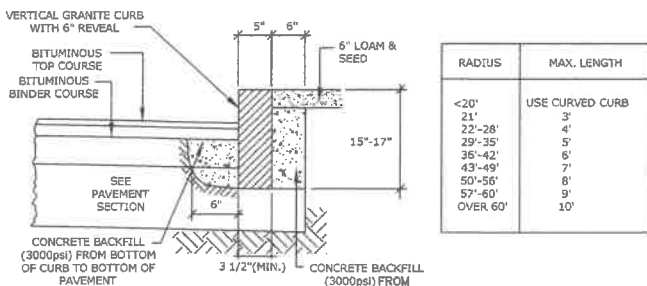
**TYPICAL ELECTRICAL AND COMMUNICATION CONDUIT**  
NOT TO SCALE



**CONCRETE SIDEWALK TIP DOWN RAMP**  
NOT TO SCALE

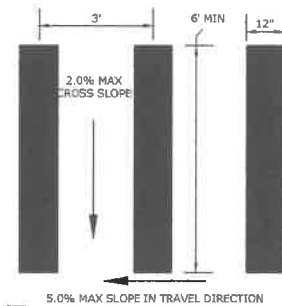


**CURB TRANSITION**  
NOT TO SCALE



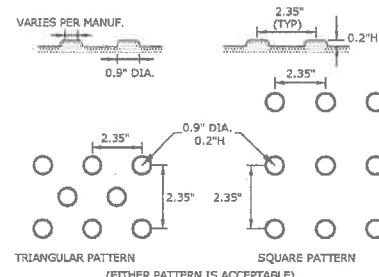
- NOTES:
1. SEE SITE PLAN FOR LIMITS OF CURBING.
  2. ADJOINING STONES SHALL HAVE THE SAME OR APPROXIMATELY THE SAME LENGTH.
  3. MINIMUM LENGTH OF CURB STONES = 3\"/>

**VERTICAL GRANITE CURB**  
NOT TO SCALE



- NOTE:
1. PAINTED CROSSWALK SHALL BE USED FOR ACCESSIBLE ROUTES ONLY.
  2. ALL PAINT SHALL BE FAST DRYING TRAFFIC PAINT, MEETING THE REQUIREMENTS OF AASHTO M248-TYPE F. PAINT SHALL BE APPLIED AS SPECIFIED BY MANUFACTURER.

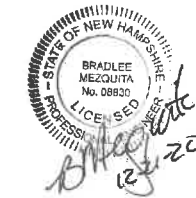
**CROSSWALK STRIPING**  
NOT TO SCALE



- NOTE:
1. CURB RAMPS MUST HAVE A DETECTABLE WARNING FEATURE EXTENDING THE FULL WIDTH AND DEPTH OF THE RAMP. A HEIGHT OF NOMINAL 0.2 INCHES. THE DETECTABLE SURFACE MUST CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 INCHES AND A CENTER TO CENTER SPACING OF NOMINAL 2.35 INCHES. THE TEXTURE OF THE DETECTABLE WARNING FEATURE MUST CONTRAST VISUALLY WITH THE SURROUNDING SURFACES (EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT).

**DETECTABLE WARNING SURFACE**  
NOT TO SCALE

**Tighe & Bond**



**THE RIDGE MARKETPLACE**

**Farmington Road (Route 11)**

**Rochester, NH**

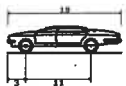
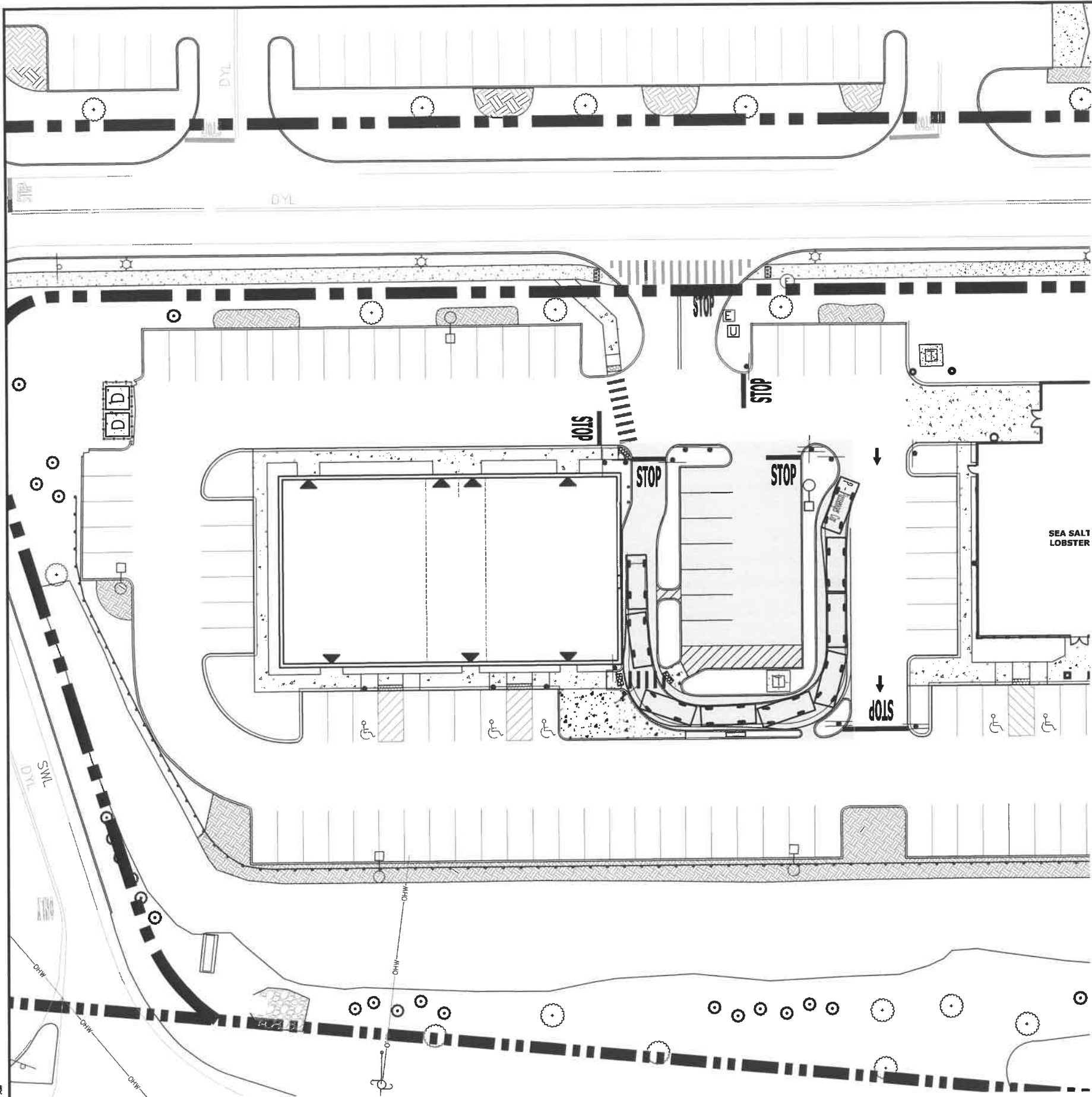
D	12/21/20	Submitted for Final Approval
C	11/9/20	Rev per Client / Town Comments
B	10/21/20	Rev per Town Comments
A	10/5/20	Submitted for Modification to Approved Project
Mark	Date	Description
PROJECT NO.	R-0195-3	
FILE:	R-0195-3_drive thru details.dwg	
DRAWN BY:	CML	
CHECKED:	PMC	
APPROVED BY:	BLM	

DETAILS SHEET

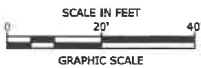
SCALE: AS SHOWN

**C-502**





Large Car  
Overall Length 19.000ft  
Overall Width 7.000ft  
Overall Body Height 4.300ft  
Min Body Ground Clearance 1.115ft  
Track Width 6.000ft  
Lock-to-lock time 4.00s  
Max Steering Angle (Virtual) 31.60°



THE RIDGE  
MARKETPLACE

Farmington Road  
(Route 11)

Rochester, NH

Mark	Date	Description
B	12/21/20	Submitted for Final Approval
A	11/18/20	Rev per Client / Town Comments
PROJECT NO: R-0195-3		
FILE: R-0195-3_CONST DRIVE THRU.dwg		
DRAWN BY: CML		
CHECKED: PMC		
APPROVED BY: BLM		

DRIVE-THRU QUEUE EXHIBIT

SCALE: AS SHOWN

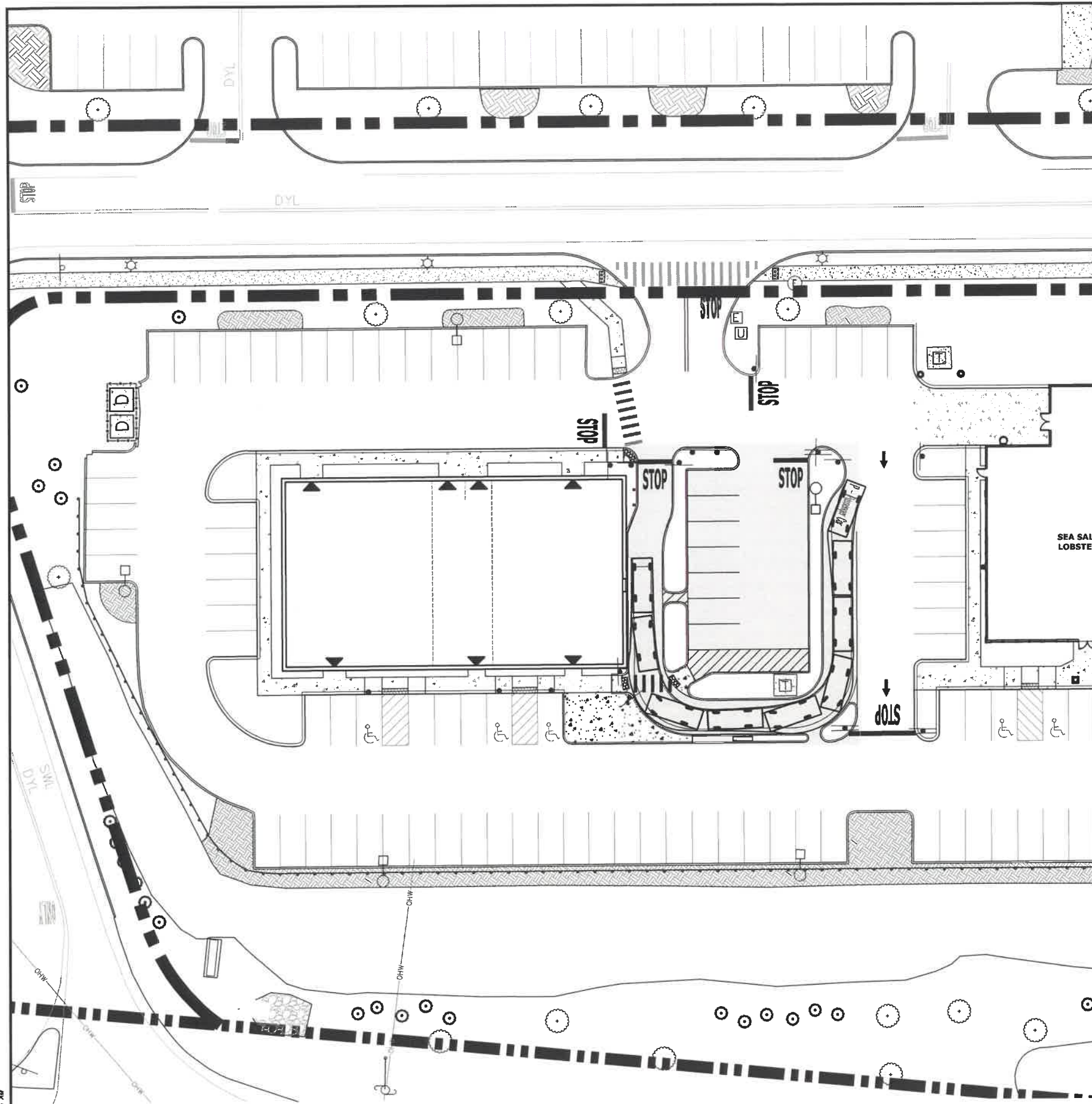
Rochester, NH

B	12/21/99	Submitted for Final Approval	
A	11/9/20	Rev per Client / Town Comments	
Mark	Date	Description	
PROJECT NO:		R-0195-3	
FILE:		R-0195-3_CONST DRIVE THRU.dwg	
DRAWN BY:		CML	
CHECKED:		PMC	
APPROVED BY:		BLM	

### DRIVE-THRU QUEUE EXHIBIT

SALE: AS SHOWN

1 OF 1



A diagram showing a car on a platform. The car has a total length of 19 units. The front wheel is 3 units from the left edge of the platform. The rear wheel is 11 units from the right edge of the platform.

Large Car	
Overall Length	19.000ft
Overall Width	7.000ft
Overall Body Height	4.300ft
Min Body Ground Clearance	1.115ft
Track Width	6.000ft
Lock-to-lock time	4.00s
Max Steering Angle (Virtual)	31.60°

A horizontal scale bar with alternating black and white segments. It is labeled "SCALE IN FEET" at the top and "GRAPHIC SCALE" at the bottom. The bar has markings for 0, 20, and 40 feet.

